CITY OF Albuquerque

CONSTRUCTION PLANS FOR
SUNPORT BOULEVARD – PHASE II
(STA. 95+00 TO E.O.P.)

JUNE 1996

PUBLIC WORKS DEPT.
ENGINEERING GROUP/TRANSPORTATION
CITY PROJECT NO. 4044.91

2e-4044.91 C193

MOLZEN-CORBIN & Associates
2701 Miles Road, Southeast
Albuquerque, New Mexico 87106
Telephone 505/262-0700

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE

APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
DATE 3-17-98

W M Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT. THESE DRAWINGS WERE ORIGINALLY PREPARED IN CADD FORMAT AND APPROVED FOR CONSTRUCTION BY THE CITY ENGINEER ON 5/30/96. DRAWINGS INCLUDED IN THIS SET WHICH DO NOT HAVE ORIGINAL DRC SIGNATURES HAVE BEEN MODIFIED AND REPLOTTED FOR RECORD DRAWING PURPOSES.

WILLIAM N. HANNAH NEW MEXICO 5439 REGISTERED PROFESSIONAL ENGINEER

THORNTON D. SCHWENK NEW MEXICO 4739 REGISTERED PROFESSIONAL ENGINEER

ENGINEERS STAMP & SIGNATURE	APPROVALS	ENGINEER	DATE	**********
	DRC Chairman			APPROVED FOR CONSTRUCTION
	Transportation			
	Water/Wastewater			
	Hydrology			
	Parks			
	Constr. Mngmt.			
				City Engineer Date
City Project No. C.O.A. 4044.91				Sheet 1–1 Of

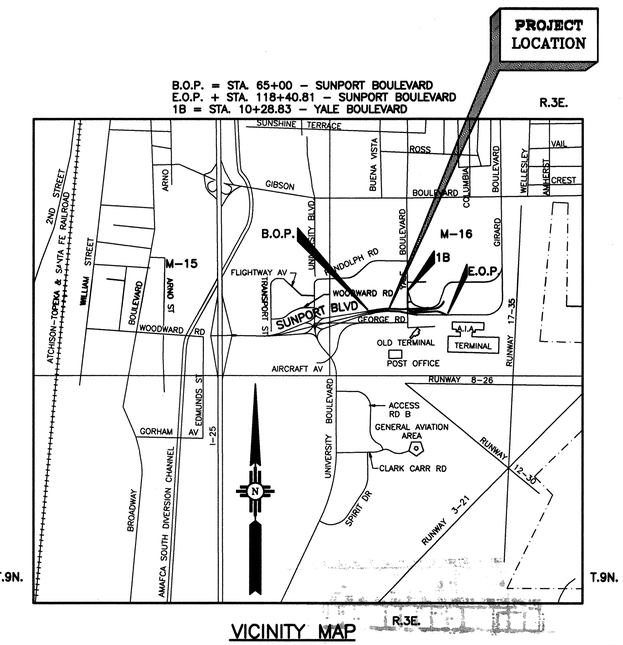
INDEX OF SHEETS

NUMBER	DESCRIPTION	REV. DATE	SERIAL
1-1	COVER SHEET		
1-2	INDEX TO DRAWINGS & PROJECT LOCATION MAP		
1-3	GENERAL NOTES		
1-4.1 THRU 1-8.1	SUMMARY OF QUANTITIES		
	SUB-TOTAL 8		
2-1 THRU 2-5A	TYPICAL ROADWAY SECTIONS		
2-6	RETAINING WALL SYSTEM LOCATION PLAN		
2-7 THRU 2-12	WALL "A" PLAN & ELEVATION		
2-13 THRU 2-16	WALL "B" PLAN & ELEVATION		
2-17 THRU 2-21	WALL "B" PLANTER WALLS, PLAN & ELEVATION		
2-22 THRU 2-23	WALL "B" SECTIONS		
2-24 THRU 2-32	WALL "C" PLAN & ELEVATION		
2-33	WALL "D" PLAN & ELEVATION		
2-34	WALL "D" PLANTERS, PLAN & ELEVATION		
2-35	WALL "D" SECTIONS		
2-36 THRU 2-37	WALL "E" PLAN & ELEVATION		
2-38	WALL "E" PLANTERS, PLAN, ELEVATION & SECTIONS		
2-39 THRU 2-40	WALL "F" PLAN & ELEVATION		
2-41	WALL "F" SECTIONS		
2-42	WALL TYPE I, TYPICAL SECTIONS AND DETAILS		
2-43	WALL TYPE II, TYPICAL SECTIONS AND DETAILS		
2-44	WALL TYPE III, TYPICAL SECTIONS AND DETAILS		
~~2-45 THRU 2-46~~	~~(NOT USED)~~		
2-47 THRU 2-48	GRADING PLAN		
2-49 THRU 2-55	TEMPORARY EROSION & SEDIMENT CONTROL MEASURES		
2-56 THRU 2-57	REMOVAL PLAN		
2-58	LANDSCAPE DEMO PLAN		
2-59	SIGN POST BARRIER DETAILS		
2-60	MISCELLANEOUS DETAILS		
	SUB-TOTAL 59		
3-1	SUNPORT BLVD. PLAN & PROFILE - STA. 95+00 TO STA. 106+00		
3-2	SUNPORT BLVD. PLAN & PROFILE - STA. 106+00 TO STA. 188+40.81		
3-3 THRU 3-5	YALE BLVD. - PLAN		
3-6	YALE BLVD. - PROFILES		
3-7	MISCELLANEOUS ROADWAY PROFILES		
3-8	O.G.F.C. OVERLAY		
3-9.1	SERVICE RD. TURNOUT & PARKING LOT MODIFICATIONS SITE/GRADING PLAN		
3-10	GEOMETRIC DATA SCHEDULES		
	SUB-TOTAL 10		
4-1	EXISTING & RELOCATED UTILITIES - GENERAL PLAN		
4-2	SAS LINE 1 - PLAN & PROFILE - STA. 2+00 TO STA. 13+50		
4-3	SAS PLAN & PROFILE - LINE 1 STA. 13+50 TO 15+73.26		
	LINE 2 STA. 1+00 TO STA. 4+17.31		
4-4	20" WATERLINE PLAN & PROFILE - STA. 1+00.00 TO 11+00.00		
4-5	20" WATERLINE PLAN & PROFILE - STA. 11+00.00 TO 20+42.10		
4-5A	12" WATERLINE RELOCATION		
4-6	6" WATERLINE PLAN & PROFILE - STA. 1+00 TO STA. 3+51.07		
4-7	WATER SHUT-OFF PLAN		
4-8	ESTIMATED UTILITY QUANTITIES		
4-8A THRU 4-8C	GEORGE RD. 18" WATERLINE RELOCATION PLAN & PROFILE & DETAILS		
	SUB-TOTAL 12		
5-1	PLAN & PROFILE STORM DRAIN LINE "B" - STA. 10+00 TO STA. 23+00		
5-2	PLAN & PROFILE STORM DRAIN LINE "B" - STA. 23+00 TO E.O.P.		
5-3	PLAN & PROFILE STORM DRAIN LINE "B3" - STA. 10+00 TO E.O.P.		
5-4	STORM DRAIN LINE "B4" AND CONCRETE CHANNEL PLAN & PROFILE		
	STA. 10+00 TO STA. 15+00		
5-5	CONCRETE CHANNEL PLAN & PROFILE - STA. 15+00 TO STA. 19+15.89		
5-6	STORM DRAIN DROP INLETS & CHANNEL SECTIONS		
5-7	STORM DRAIN MISCELLANEUS DETAILS		
5-7A	MISCELLANEOUS DRAINAGE DETAILS		
5-8	ESTIMATED STRUCTURE QUANTITIES		
	SUB-TOTAL 9		
6-1	GENERAL NOTES		
6-2	BRIDGE PLAN		
6-3	YALE EAST CONTROL LINE PROFILE		
6-4	YALE WEST CONTROL LINE PROFILE		
6-5	ABUTMENT #1 FOUNDATION AND WALL PLANS		
6-6	ABUTMENT #1 WALL SECTIONS		
6-7	ABUTMENT #2 FOUNDATION AND WALL PLANS		
6-8	ABUTMENT #2 WALL SECTIONS		
6-9	ABUTMENT WALL ELEVATIONS AND DETAILS		
6-10	BRIDGE SEAT DETAILS		
6-11	BEARINGS PLANS AND DETAILS		
6-12	PIER FOUNDATION PLAN AND DETAILS		
6-13	WEBS AND DIAPHRAGM LAYOUT		
6-14	TOP OF SLAB ELEVATIONS		
6-15	BOTTOM DECK REINFORCING		
6-16	TOP DECK REINFORCING		
6-17	TRANSVERSE SECTION		
6-18 THRU 6-21	WEBS A, B, C, D, E, F ,G & H REINFORCING		
6-22	SECTIONS & DETAILS		
	SUB-TOTAL 22		

NUMBER	DESCRIPTION	REV. DATE	SERIAL
7-1	CONSTRUCTION SEQUENCE STAGE IA, IB, IC, ID & II		
7-2.1	CONSTRUCTION SEQUENCE STAGE III, IVA, IVB, IVC & IVD		
7-3 THRU 7-4	TRAFFIC CONTROL PLAN STAGE IA, IB, IC & ID		
7-5 THRU 7-6	TRAFFIC CONTROL PLAN STAGE II		
7-7 THRU 7-8.1	TRAFFIC CONTROL PLAN STAGE III		
7-9	TRAFFIC CONTROL PLAN STAGE IV A, B, & C		
7-9.1	TRAFFIC CONTROL PLAN STAGE IV A		
7-9A	TRAFFIC CONTROL PLAN STAGE IV B		
7-9B	TRAFFIC CONTROL PLAN STAGE IV C & D		
7-10	TRAFFIC CONTROL PLAN STAGE IV A ,B & C		
7-11	TRAFFIC CONTROL PLAN YALE BLVD. DETOUR&TEMP. PAVEMENT CONNECTION		
7-12	SIGNING & TRAFFIC CONTROL STANDARDS		
7-13	TRAFFIC CONTROL SIGNING EXAMPLES		
7-14.1	TRAFFIC CONTROL PLAN ESTIMATED QUANTITIES		
7-15.1	SIGN FACE DETAILS		
	SUB-TOTAL 18		
8-1	PERMANENT SIGNING & STRIPING PLAN STA. 65+00 TO STA. 75+00		
8-2	PERMANENT SIGNING & STRIPING PLAN STA. 75+00 TO STA. 85+50		
8-3	PERMANENT SIGNING & STRIPING PLAN STA. 24+00 TO STA. 35+00		
8-4	PERMANENT SIGNING & STRIPING PLAN STA. 85+50 TO STA. 95+00		
8-5	PERMANENT SIGNING & STRIPING PLAN STA. 95+00 TO STA. 105+50		
8-6	PERMANENT SIGNING & STRIPING PLAN STA. 105+50 TO E.O.P.		
8-7	PERMANENT SIGNING & STRIPING PLAN YALE BLVD. & SUNPORT LOOP		
8-8	OVERHEAD SIGN STRUCTURE LAYOUT & SCHEDULES		
8-9 THRU 8-10	OVERHEAD SIGN STRUCTURE SECTIONS & DETAILS		
8-11	OVERHEAD SIGN STRUCTURE FOUNDATION DETAILS		
8-12	SPECIAL PERMANENT SIGN DETAILS		
8-13	PERMANENT SIGNING FROM RIO BRAVO BLVD. TO GIBSON BLVD. - I-25		
8-14 THRU 8-16	PERMANENT SIGN FACE DETAILS		
8-17 THRU 8-18	PERMANENT SIGNING ESTIMATED QUANTITIES		
	SUB-TOTAL 18		
9-1	GENERAL NOTES, ELECTRICAL LIGHTING DETAILS & ESTIMATED QUANITIES		
9-2	MODIFICATIONS TO ELECTRICAL LIGHTING STA. 87+50 TO STA. 118+40.81		
9-3	ELECTRICAL LIGHTING PLAN SUNPORT BLVD. STA. 95+00 TO STA. 106+00		
9-4	ELECTRICAL LIGHTING PLAN SUNPORT BLVD. STA. 106+00 TO E.O.P.		
9-5	ELECTRICAL LIGHTING PLAN SUNPORT BLVD. STA. 75+00 TO STA. 85+50		
9-6	ELECTRICAL LIGHTING PLAN SUNPORT BLVD. STA. 85+50 TO STA. 95+00		
9-7	SIGN LIGHTING AND GENERAL POWER SUNPORT BLVD.		
9-8	SIGN LIGHTING AND GENERAL POWER SUNPORT BLVD.		
9-9	TYPE "V" STANDARDS		
9-10	TYPE "V" STANDARDS FOUNDATION AND BASE DETAILS		
	SUB-TOTAL 10		
10-1	TRAFFIC SIGNAL NOTES & LEGEND		
10-2	TRAFFIC SIGNAL ESTIMATED QUANTITIES		
10-3	TRAFFIC SIGNAL PLAN UNIVERSITY/SUNPORT BLVD. (NORTH SIDE)		
10-4	TRAFFIC SIGNAL CONDUITS & CABLES UNIVERSITY/SUNPORT (NORTH SIDE)		
10-5	FUNCTIONS AND DETECTORS UNIVERSITY/SUNPORT BLVD. (NORTH SIDE)		
10-6	TRAFFIC SIGNAL PLAN UNIVERSITY/SUNPORT BLVD. (SOUTH SIDE)		
10-7	TRAFFIC SIGNAL CONDUITS & CABLES UNIVERSITY/SUNPORT (SOUTH SIDE)		
10-8	FUNCTIONS AND DETECTORS UNIVERSITY/SUNPORT BLVD. (SOUTH SIDE)		
10-9	TRAFFIC SIGNAL PLAN UNIVERSITY BLVD/RELOCATED GEORGE ROAD		
10-10	TRAFFIC SIGNAL CONDUITS & CABLES UNIVERSITY BLVD./GEORGE ROAD		
10-11	FUNCTIONS AND DETECTORS UNIVERSITY BLVD./RELOCATED GEORGE ROAD		
10-12	UNIVERSITY BLVD. INTERCONNECT PLAN STA. 13+00 TO STA. 24+00		
10-13	UNIVERSITY BLVD. INTERCONNECT PLAN STA. 35+00 TO STA. 45+32		
10-14	SUNPORT BLVD. INTERCONNECT PLAN STA. 95+00 TO STA. 106+00		
10-15	SUNPORT BLVD. INTERCONNECT PLAN STA. 106+00 TO E.O.P.		
10-16	SUNPORT BLVD. VIDEO DETECTION PLAN STA. 65+00 TO STA. 85+50		
10-16A	TRAFFIC SIGNAL MASTARM DETAILS TYPE II STANDARD GALVANIZED STEEL		
10-17	TRAFFIC SIGNAL MASTARM DETAILS TYPE III MASTARM DETAILS		
10-18	TRAFFIC SIGNAL MASTARM DETAILS TYPE III STANDARD MISC. DETAILS		
10-19	TRAFFIC SIGNAL MISC. DETAILS - GALVANIZED STEEL		
10-20	TRAFFIC SIGNAL MASTARM DETAILS FOUNDATION DETAILS TYPE II & TYPE III		
	STANDARDS		
10-21	TRAFFIC SIGNAL CONTROLLER CABINET & PEDESTAL FOUNDATION DETAILS		
10-22	TRAFFIC SIGNAL PULL BOX DETAILS		
10-23	ELECTRICAL SERVICE DETAILS FOR SIGNALS		
10-24	METER PEDESTAL DETAILS FOR SIGNALS		
10-25	TRAFFIC SIGNAL TRAFFIC MANHOLE & SPLICE CABINET DETAILS		
10-26	TRAFFIC SIGNAL OPTICAL DETECTOR INSTALLATION DETAILS		
10-27	TRAFFIC SIGNAL OPTICAL DETECTOR WIRING		
10-28	MACHINE VISION VEHICLE DETECTOR SYSTEM		
	SUB-TOTAL 29		
11-1	SUNPORT BLVD. LANDSCAPE PLAN UNIVERSITY BLVD. TO STA. 87+50		
11-2	SUNPORT BLVD. LANDSCAPE PLAN STA. 87+50 TO STA. 95+00		
11-3	SUNPORT BLVD. LANDSCAPE PLAN STA. 95+00 TO STA. 102+50		
11-4	SUNPORT BLVD. LANDSCAPE PLAN STA. 102+50 TO 109+00		
11-5	YALE BLVD. AT SUNPORT BLVD. LANDSCAPE PLAN STA. 109+00 TO E.O.P.		
11-6	MEDIAN PLANTER DETAIL MEDIANS F, G, AND H		
11-7	MEDIAN PLANTER DETAIL MEDIANS I, J, AND K		
11-8	WALL PLANTER DETAIL WALL PLANTER NO. 1		
11-9	WALL PLANTER DETAIL WALL PLANTER NO. 2 & 3		

NUMBER	DESCRIPTION	REV. DATE	SERIAL
11-10	WALL PLANTER DETAIL WALL PLANTER NO. 4 ROADSIDE PLANTER		
11-11	SUNPORT BLVD. LANDSCAPING PLAN EMPLOYEE PARKING LOT		
11-12	YALE BLVD. MEDIAN PLANTER DETAILS		
11-13	ESTIMATED QUANITIES WALL PLANTER & GUARD RAIL DETAIL		
11-14	PILASTER AND FENCE PANEL SALVAGE AND REINSTALLATION		
11-15	EXISTING LANDFILL LINER		
11-16	YALE BLVD. MEDIAN PLANTER DETAILS		
11-17	SUNPORT BLVD. IRRIGATION PLAN, UNIVERSITY BLVD. TO STA. 87+50		
11-17a	SUNPORT BLVD. IRRIGATION PLAN PHASE I EMPLOYEE PARKING		
11-18	SUNPORT BLVD. IRRIGATION PLAN STA. 87+50 TO STA. 95+00		
11-19	SUNPORT BLVD. IRRIGATION PLAN STA. 95+00 TO STA. 102+50		
11-19a	SUNPORT BLVD. IRRIGATION PLAN STA. 100+00 TO 105+00 (REVISIONS)		
11-20	SUNPORT BLVD. IRRIGATION PLAN STA. 102+50 TO TO 108+00		
11-21	SUNPORT BLVD. IRRIGATION PLAN STA. 108+00 TO E.O.P.		
11-22	IRRIGATION PLAN, MEDIAN PLANTER DETAIL, MEDIAN PLANTERS F, G, & H		
11-23	IRRIGATION PLAN, MEDIAN PLANTER DETAIL, MEDIAN PLANTERS I, J, & K		
11-24	IRRIGATION PLAN, WALL PLANTER DETAIL, WALL PLANTER NO. 1		
11-25	IRRIGATION PLAN, WALL PLANTER DETAIL, WALL PLANTERS NO. 2 & 3		
11-26	IRRIGATION PLAN, WALL PLANTER DETAIL, WALL PLANTER NO. 4 &		
	ROADSIDE PLANTER		
11-27	IRRIGATION PLAN, EMPLOYEE PARKING LOT		
11-28	IRRIGATION PLAN, YALE BLVD. PLANTER DETAIL		
11-29	IRRIGATION NOTES, DETAILS & LEGEND		
	SUB-TOTAL 31		
	TOTAL 226		

B.O.P. = STA. 65+00 - SUNPORT BOULEVARD
E.O.P. + STA. 118+40.81 - SUNPORT BOULEVARD
1B = STA. 10+28.83 - YALE BOULEVARD



VICINITY MAP

2G 4044.91 197 0252

Wm Jones P.E

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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AS BUILT INFORMATION

CONTRACTOR
STAKED BY — DATE
INSPECTOR'S
MATERIALS BY — DATE
FIELD
VERIFICATION BY — DATE
MARKED
CORRECTED BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY WMJ — DATE 6/4/96
DRAWN BY DKS — DATE 6/4/96
CHECKED BY TDS — DATE 6/4/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD - PHASE II

INDEX TO DRAWINGS AND PROJECT LOCATION MAP

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	1-2	

SPINDEX 1=1 6/4/96

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GENERAL NOTES

1. THE PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE N.M.S.H. & TD STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION EDITION OF 1994 AS MODIFIED AND STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION, EXCEPT AS MODIFIED HEREIN. GENERAL CONDITIONS OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATION WILL BE USED FOR ADMINISTRATION OF THE CONTRACT. SEE SPECIFICATION SPECIAL PROVISION SECTION 9.

2. ALL DATA SHOWN HEREIN CONCERNING EXISTING UTILITIES HAS BEEN OBTAINED FROM THE OWNERS OF THE UTILITIES, FROM RECORDS OF THE CITY OF ALBUQUERQUE, AND FROM FIELD OBSERVATIONS. THESE MAY OR MAY NOT BE ACCURATE. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATIONS AND FOR PROTECTION OF ALL LINES DURING CONSTRUCTION. UTILITY RELOCATIONS REQUIRED BY THE CONSTRUCTION OF THIS PROJECT ARE TO BE COORDINATED BY THE CONTRACTOR. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCE CAUSED BY UTILITY COMPANY WORK CREWS. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE HIS ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK. ANY DAMAGE TO LINES, VALVES, METERS, ETC., AND ADJACENT PROPERTY WILL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS EXPENSE.

3. QUANTITIES SHOWN HEREIN FOR THE VARIOUS BID ITEMS ARE FOR THE CONTRACTOR'S INFORMATION ONLY. PAYMENT SHALL BE BASED ON ACTUAL QUANTITIES AS CONSTRUCTED.

4. ACCESS TO ALBUQUERQUE INTERNATIONAL AIRPORT FACILITIES SHALL BE PROVIDED AT ALL TIMES. ACCESS FOR FIRE PROTECTION AND EMERGENCY SERVICES MUST BE OPEN AT ALL TIMES. SCHEDULES FOR THE RELEASE OF WORK WILL BE DETERMINED AT THE PRE-CONSTRUCTION CONFERENCE. ADDITIONAL OR SUPPLEMENTAL SCHEDULES MAY BE REQUIRED AS THE PROJECT PROGRESSES, AS REQUESTED BY THE PROJECT MANAGER. THE CONTRACTOR SHALL SUBMIT A PROJECT CONSTRUCTION SCHEDULE UTILIZING THE CRITICAL PATH METHOD OR NETWORK ANALYSIS SYSTEM METHOD (SEE SPECIFICATION SECTION 1605).

5. IT IS THE CONTRACTORS RESPONSIBILITY TO KNOW AND COMPLY WITH THE "OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970", AS AMENDED.

6. THE AIR POLLUTION CONTROL REGULATIONS OF THE ALBUQUERQUE-BERNALILLO COUNTY AIR QUALITY CONTROL BOARD (505)-768-2600 LIMIT EMISSION OF PARTICULATE MATTER AND THE USE OF CUT BACK ASPHALT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CLARIFY THESE RESTRICTIONS WITH THE ENVIRONMENTAL HEALTH DEPARTMENT PRIOR TO SUBMITTAL OF BIDS TO AVOID CONFLICTS WITH THE REGULATIONS. ANY REQUIRED PERMITS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

7. ALL EXCAVATION SHALL BE GOVERNED BY FEDERAL STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.

8. NOISE SUPPRESSION DEVICES SHALL BE KEPT IN WORKING ORDER ON ALL EQUIPMENT IN ACCORDANCE WITH ALL FEDERAL AND STATE REGULATIONS AND CITY ORDINANCES THROUGHOUT THE COURSE OF CONSTRUCTION.

9. THE CONTRACTOR SHALL CONFINE HIS OPERATIONS TO THE RIGHT-OF-WAY AND LIMITS OF CONSTRUCTION OF THE PROJECT AND WILL BE HELD RESPONSIBLE FOR ANY DAMAGE CAUSED, BY HIS OPERATION, TO PUBLIC OR PRIVATE PROPERTY, INCLUDING UTILITIES.

10. WATERING FOR DUST CONTROL, AS REQUIRED, SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, AND NO MEASUREMENT OR PAYMENT SHALL BE MADE THEREFOR. CONSTRUCTION AREAS SHALL BE WATERED OR OTHERWISE KEPT DUST FREE. THE CONTRACTOR SHALL USE WATERING EQUIPMENT FOR DUST POLLUTION ABATEMENT AS DIRECTED BY THE PROJECT MANAGER.

11. A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION THE CONTRACTOR MUST CONTACT ONE-CALL SYSTEMS, INC., (260-1990). FOR FIELD LOCATIONS OF EXISTING UTILITIES CALL U.S. WEST COMMUNICATIONS @ 245-6296, GAS COMPANY OF NEW MEXICO @ 761-7225, JONES INTERCABLE @ 761-6220, PUBLIC SERVICE COMPANY OF NEW MEXICO @ 848-3426, AT & T @ 842-2806 AND CITY OF ALBUQUERQUE (WATER & SANITARY SEWER) @ 768-2718.

12. THE CONTRACTOR IS TO EXERCISE CARE WHEN REMOVING EXISTING PAVEMENT TO AVOID DISTURBING ANY EXISTING UNDERGROUND UTILITIES. IT SHALL BE HIS RESPONSIBILITY TO COORDINATE WITH THE UTILITY COMPANIES IN ORDER TO PREVENT ANY SERVICE DISRUPTION. ANY EXISTING UTILITIES OR SERVICE LINES THAT DO NOT REQUIRE RELOCATION AND ARE DAMAGED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE. THIS EXPENSE SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE PAYMENT WILL BE MADE.

13. CURB AND GUTTER AND SIDEWALKS SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THIS CONTRACT, WHICH ARE DAMAGED OR DISPLACED BY THE CONTRACTOR, SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.

14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, SUPPORTING AND MONITORING ALL IN-SERVICE EXISTING UTILITIES.

15. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED TO EXISTING VALVE BOXES, FIRE HYDRANTS, TRAFFIC CONDUIT AND MANHOLES DURING CONSTRUCTION AND SHALL REPAIR OR REPLACE SAME AT THE CONTRACTOR'S EXPENSE.

16. THE CITY OF ALBUQUERQUE FIRE DEPARTMENT SHALL BE NOTIFIED 48 HOURS IN ADVANCE BY THE CONTRACTOR WHENEVER A FIRE HYDRANT IS TO BE REMOVED OR RELOCATED.

17. ALL EXISTING GAS VALVES, VALVE BOXES, ELECTRICAL AND TELEPHONE MANHOLES AND UTILITY POLES WILL BE ADJUSTED TO GRADE OR RELOCATED BY OTHERS.

18. UTILITY ADJUSTMENTS WILL BE DONE CONCURRENT WITH CONSTRUCTION BY UTILITY COMPANIES INVOLVED. THE CONTRACTOR IS HEREBY ADVISED THAT HE SHALL COORDINATE HIS WORK WITH THE RESPECTIVE UTILITY COMPANIES SO AS NOT TO IMPEDE CONSTRUCTION.

19. PRIOR TO CONSTRUCTION IN ANY STAGE, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO DIRECT PAYMENT WILL BE MADE.

20. THE CONTRACTOR SHALL NOTIFY THE CITY OF ALBUQUERQUE SURVEYOR 7 DAYS IN ADVANCE OF CONSTRUCTION AFFECTING A CITY SURVEY MONUMENT. PHONE NO. (505)-768-3612

21. ALL PERMANENT STRIPING AND PAVEMENT MARKINGS FOR THIS PROJECT SHALL BE APPLIED BY THE CONTRACTOR. PAYMENT FOR THIS WORK WILL BE MADE UNDER APPROPRIATE BID ITEMS.

22. THE DESIGN "R" VALUE FOR THIS PROJECT IS 65. MATERIAL WITH AN "R" VALUE OF LESS THAN THE DESIGN "R" VALUE SHALL NOT BE PLACED OR ALLOWED TO REMAIN WITHIN TWO FEET OF THE FINISHED SUBGRADE. IF THE REMOVAL OF UNSATISFACTORY MATERIAL IS NECESSARY, IT SHALL BE REPLACED TO THE EXTENT POSSIBLE WITH ACCEPTABLE EXCESS MATERIAL. IF SUFFICIENT EXCESS MATERIAL IS NOT AVAILABLE, BORROW WILL BE USED. THIS SHALL INCLUDE THE YALE BLVD. DETOUR SUBGRADE.

23. AFTER CONDUCTING THE NECESSARY TESTS, THE CITY WILL DETERMINE IF HYDRATED LIME OR LIQUID ANTI-STRIPPING AGENT WILL BE USED FOR THE OPEN GRADED FRICTION COURSE. IF REQUIRED, THE COST OF HYDRATED LIME OR ANTI-STRIPPING AGENT SHALL BE INCLUDED UNDER ITEM NO. 404002. NO SEPERATE PAYMENT WILL BE MADE.

24. AN ENVIRONMENTALLY SUITABLE DISPOSAL SITE FOR ALL NON SALVAGEABLE REMOVALS SHALL BE OBTAINED BY THE CONTRACTOR. ADDITIONAL REMOVALS NOT SHOWN ON THE PLANS WILL BE DESIGNATED BY THE PROJECT MANAGER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE AND HAUL THERETO SHALL BE INCLUDED IN THE PRICE FOR "REMOVAL OF STRUCTURES AND OBSTRUCTIONS". BURIAL OF DEBRIS SHALL NOT BE ALLOWED WITHIN THE R.O.W. OR LIMITS OF CONSTRUCTION.

25. THE OPEN-GRADED FRICTION COURSE OPERATION SHALL BE THE LAST SURFACING OPERATION.

26. THE USE OF ADJUSTING RINGS WITHIN THE MANHOLE FRAMES TO ADJUST MANHOLE COVERS TO GRADE WILL NOT BE PERMITTED.

27. ALL TEXTURED CONCRETE MEDIAN PAVEMENT ON THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS, SECTION 346. THE COLOR SHALL BE SHOWN ON THE LANDSCAPING PLANS. (RUNNING BAND PATTERN)

28. MEASUREMENT AND PAYMENT FOR WHEEL CHAIR RAMPS SHALL BE PER EQUIVALENT QUANTITY OF FOUR INCH SIDEWALK.

29. EARTHWORK QUANTITIES ARE BASED ON A SHRINKAGE FACTOR OF 30% IN ROADWAY EMBANKMENT.

30. THE EARTHWORK HAUL ON THIS PROJECT IS INCLUDED IN THE CONTRACT UNIT PRICE FOR ITEMS NO. 203000, UNCLASSIFIED EXCAVATION, AS APPLICABLE AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFORE.

31. MATERIALS ASSURANCE TESTING WILL BE PERFORMED BY THE CITY OF ALBUQUERQUE OR A DESIGNATED AGENT.

32. WHEN ABUTTING NEW PAVEMENT TO EXISTING, SAWCUT EXISTING PAVEMENT TO A NEAT STRAIGHT LINE TO MATCH NEW SURFACING DEPTH. PAVEMENT CUT SHALL BE MADE AT A LOCATION SUITABLE FOR REMOVING BROKEN OR CRACKED PAVEMENT. NO PAYMENT WILL BE MADE FOR CUTTING EXISTING PAVEMENT, AND SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION. CURB & GUTTER AND SIDEWALKS SHALL BE REMOVED TO NEAREST JOINT.

33. THE CONTRACTOR SHALL RESTRICT THE USE OF ROLLING EQUIPMENT TO A MAXIMUM OF 35 TONS AT LOCATIONS WITH UNDERGROUND UTILITIES. THE USE OF A VIBRATORY ROLLER WILL NOT BE ALLOWED AT SUCH LOCATIONS.

34. WARP SLOPES WHERE NECESSARY TO STAY IN THE RIGHT-OF-WAY, TEMPORARY CONSTRUCTION EASEMENTS AND CONSTRUCTION MAINTENANCE EASEMENT.

35. THE CONTRACTOR SHALL NOT EXCEED STATE OF NEW MEXICO LEGAL LOAD LIMITS ON EXISTING PAVED ROADWAYS.

36. SALVAGED MATERIAL THAT IS PROPERTY OF THE CITY OF ALBUQUERQUE SHALL BE DELIVERED TO THE CITY PINO YARDS. (5501 PINO AVE. N.E. 505-857-8025) 8:00 AM TO 5:00 PM THIS WORK WILL BE INCIDENTAL TO REMOVAL OF STRUCTURES AND OBSTRUCTIONS ITEM.

37. THE SUNPORT BLVD. ROADWAY ALIGNMENT TRAVERSES AN EXISTING LANDFILL THAT EXTENDS FROM JUST EAST OF UNIVERSITY BOULEVARD TO THE ALBUQUERQUE INTERNATIONAL AIRPORT. DEPTH OF THE MUNICIPAL REFUSE DISPOSAL IS HIGHLY VARIABLE AND MEASUREMENTS HAVE INDICATED THE PRESENCE OF METHANE GAS. SEE SPECIFICATION SECTION 1602 AND 1603 FOR HANDLING SHOULD LANDFILL EXCAUATION OF ANY HAZARDOUS MATERIALS BE ENCOUNTERED.

38. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO SECURE AND SUPPLY WATER FOR, PROJECT CONSTRUCTION. THE COST WILL BE INCIDENTAL TO COMPLETION OF THE PROJECT AND NO SEPARATE PAYMENT WILL BE MADE THEREFOR.

39. THE CONTRACTOR SHALL COMPLY WITH ALL REGULATIONS OF THE U.S. ENVIRONMENTAL PROTECTION AGENCY, INCLUDING THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEMS (NPDES) PROGRAM. FOR INFORMATION, CONTACT THE NPDES HOTLINE AT (703) 821-4823. THE CONTRACTOR IS RESPONSIBLE FOR FILING A "NOTICE OF INTENT" UNDER THE U.S. E.P.A. "GENERAL PERMIT" FOR ALL STORM WATER DRAINAGE ACTIVITY DURING PROJECT CONSTRUCTION.

40. THE CONTRACTOR SHALL MAINTAIN AN UP-TO-DATE SET OF RECORD PLANS FOR THE PROJECT. THESE SHALL BE KEPT CURRENT WITHIN TWO WEEKS AT ALL TIMES AND SHALL BE SUBJECT TO REVIEW BY THE PROJECT MANAGER THROUGHOUT THE PROJECT. THE FINAL RECORD PLANS SHALL BE SUBMITTED TO THE PROJECT MANAGER PRIOR TO FINAL PAYMENT.

41. ACCESS TO AND FROM THE CONSTRUCTION SITE SHALL BE LIMITED TO SOUTH UNIVERSITY. GEORGE ROAD AND RANDOLPH ROAD WILL NOT BE USED FOR CONSTRUCTION ACCESS WITHOUT SPECIAL WRITTEN AUTHORIZATION FROM THE PROJECT MANAGER.

42. THE CONTRACTOR SHALL BE REQUIRED TO OBTAIN A BARRICADING PERMIT FROM THE CITY OF ALBUQUERQUE.

43. THE CITY OF ALBUQUERQUE WILL PLACE A NOTICE OF CONSTRUCTION ACTIVITY IN LOCAL NEWSPAPER(S) AT LEAST TWO WEEKENDS PRECEDING THE BEGINNING OF EACH MAJOR STAGE OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE THE PROJECT MANAGER WITH TIMELY SCHEDULE AND DETOUR INFORMATION AND UPDATES FOR PREPARATION OF THESE NOTICES. THERE SHALL BE NO DIRECT COMPENSATION FOR THIS CONTRACTOR SERVICE.

44. IF A PAVEMENT DROP-OFF IS CREATED DURING CONSTRUCTION, THE CONTRACTOR SHALL INITIATE PROTECTIVE ACTION IN ACCORDANCE WITH THE N.M.S.H.T.D. CURRENT "DROP-OFF POLICY". THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.

45. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PROTECT HORIZONTAL AND VERTICAL CONTROL SURVEY MONUMENTS (MARK) FROM DAMAGE PRIOR TO INITIATING CONSTRUCTION. IF DURING THE COURSE OF CONSTRUCTION OPERATIONS, THE CONTRACTOR DISTURBS OR DESTROYS A MARK, THE CONTRACTOR SHALL ESTABLISH A NEW MARK IN COMPLIANCE WITH THE STANDARDS AND PROCEDURES SET FORTH IN THE "GEODETIC MARK PRESERVATION GUIDEBOOK", NATIONAL GEODETIC SURVEY, MARCH 1990, CONTACT: NGS MARK PRESERVATION CENTER - NOAA. TELEPHONE (505) 768-3606.

46. THE CONTRACTOR SHALL PROPERLY HANDLE AND DISPOSE OF ALL ASPHALT PAVEMENT MATERIAL REMOVED ON THE PROJECT BY:
- HAULING TO AN ENVIRONMENTALLY APPROVED LANDFILL IN ACCORDANCE WITH THE REGULATIONS OF THE NEW MEXICO SOLID WASTE ACT; OR,
- IF APPROVED BY THE PROJECT MANAGER, THE CONTRACTOR SHALL BREAK DOWN ASPHALT SURFACING REMOVED ON THE PROJECT DOWN TO A 2 (TWO) INCH MAXIMUM SIZE AND HAUL AND STOCKPILE THE MATERIAL AT A LOCATION DESIGNATED BY THE PROJECT MANAGER. PAYMENT FOR THIS WORK WILL BE INCLUDED IN THE CONTRACT PRICE FOR UNCLASSIFIED EXCAVATION AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.

47. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF 110 GALLONS OF DISTILLED WATER FOR CURING CONCRETE SPECIMENS. PAYMENT FOR THIS WILL BE CONSIDERED AS INCLUDED IN THE CONTRACT PRICE FOR FIELD LABORATORIES AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFORE.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT. THESE DRAWINGS WERE ORIGINALLY PREPARED IN CADD FORMAT AND APPROVED FOR CONSTRUCTION BY THE CITY ENGINEER ON 5/30/96. DRAWINGS INCLUDED IN THIS SET WHICH DO NOT HAVE ORIGINAL DRC SIGNATURES HAVE BEEN MODIFIED AND REPLOTTED FOR RECORD DRAWING PURPOSES.

W M Jones P.E.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

BENCH MARKS
STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.85, Y=473027.84, EL=5310.21

AS BUILT INFORMATION

CONTRACTOR
WORK STAKED BY — DATE
VERIFIED WORK ACCEPTANCE BY — DATE
FIELD EVALUATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY	OV
		DRAWN BY	DKS
		CHECKED BY	TDS

DATE	4/5/96	
DATE	4/5/96	
DATE	4/5/96	

2C-4044.91 03198

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD-PHASE II

GENERAL NOTES

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	1-3	

SPNOTES 1=1 5/28/96

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SUMMARY OF QUANTITIES

SEQUENCE NO.	ITEM NO.	ITEM DESCRIPTION	UNIT	ROADWAY ESTIMATE	ROADWAY FINAL	UTILITIES ESTIMATE	UTILITIES FINAL	BRIDGE ESTIMATE	BRIDGE FINAL	CONSTRUCTION SIGNING ESTIMATE	CONSTRUCTION SIGNING FINAL	PERMANENT SIGNING ESTIMATE	PERMANENT SIGNING FINAL	SIGNALIZATION AND LIGHTING ESTIMATE	SIGNALIZATION AND LIGHTING FINAL	LANDSCAPING ESTIMATE	LANDSCAPING FINAL	PROJECT TOTAL ESTIMATE	PROJECT TOTAL FINAL
1	108000	CONTRACTOR'S CONSTRUCTION SCHEDULE	LS	1														1	
2	201002	CLEARING & GRUBBING	LS	1														1	
3	202001	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LS	1														1	
4	202100	PLUG & CAP ABANDONED 4-1/2" MONITORING WELL	LF	300														300	
5	203000	UNCLASSIFIED EXCAVATION	CY	290,538														290,538	
6	203501	LANDFILL EXCAVATION AND HAUL - 0 TO 25,000 TONS	TON	5,000														5,000	
7	207001	SUBGRADE PREPARATION	SY	20,425														20,425	
8	212011	SEED MIX (NATIVE GRASS)	AC													3.40		3.40	
9	212012	SEED MIX (TURF GRASS)	AC													11.80		11.80	
10	304000	BASE COURSE	SY	20,425														20,425	
11	401218	PLANT MIX BITUM. PVMT, SHRP, 1" NOM., 4.0" DEPTH	SY	20,125														20,125	
12	404002	OPEN GRADED FRICTION COURSE	SY	35,000														35,000	
13	405000	DETOUR PAVEMENT CONSTRUCTION	SY	4,000														4,000	
14	406001	CORING BY CONTRACTOR	EA	15														15	
15	502024	DRILLED SHAFT FOUNDATION - 24" DIA.	LF	2,585														2,585	
16	502036	DRILLED SHAFT FOUNDATION - 36" DIA.	LF	5,775														5,775	
17	502048	DRILLED SHAFT FOUNDATION - 48" DIA.	LF	172														172	
18	504850	PERFORMANCE TEST FOR PERMANENT GROUND ANCHORS	EA	15														15	
19	511000	STRUCTURAL CONCRETE CLASS "A"	CY	296										65				361	
20	511240	STRUCTURAL CONCRETE CLASS "B" - 6"	SY	504														504	
21	511300	SUBSTRUCTURE CONCRETE CLASS "A"	CY	1,084														1,084	
22	511850	SHOTCRETE FOR TIED BACK WALL (6" MINIMUM)	SF	13,255														13,255	
23	512000	SUPERSTRUCTURE CONCRETE - CLASS "AA"	CY	3,509														3,509	
24	513350	PERMANENT GROUND ANCHOR FOR TIED BACK WALL	EA	285														285	
25	534150	CHEMICAL GROUTING FOR TIED BACK WALL (SOIL VOLUME)	CF	41,834														41,834	
26	540040	REINFORCING BARS, GR. 40	LB	7,000										4,100				11,100	
27	540060	REINFORCING BARS, GR. 60	LB	441,077										83				441,160	
28	540200	WELDED WIRE FABRIC	LB	8,371														8,371	
29	543100	METAL PEDESTRIAN RAILING (MODIFIED)	LF	1,849														1,849	
30	570426	18" REINFORCED CONCRETE PIPE CLASS III	LF	460														460	
31	570438	24" REINFORCED CONCRETE PIPE CLASS III	LF	1,245														1,245	
32	570439	24" REINFORCED CONCRETE PIPE CLASS IV	LF	925														925	
33	570462	36" REINFORCED CONCRETE PIPE CLASS III	LF	1,026														1,026	
34	602010	LOOSE RIP RAP	CY	9														9	
35	603000	FILTER DAM	LF	2,800														2,800	
36	603090	TEMPORARY SOIL STABILANT	AC	4														4	
37	603100	BERM	LF	700														700	
38	604034	FILTER FABRIC	SY	26														26	
39	606007	WEATHERING METAL BARRIER THRIE BEAM	LF	64														64	
40	606008	WEATHERING METAL BARRIER W-BEAM	LF	152														152	
41	606151	METAL BARRIER ANCHORAGE TYPE "C"	EA	8														8	
42	606201	CONCRETE WALL BARRIER	LF	120														120	
43	606202	CONCRETE WALL BARRIER- 40" (W/ PARAPET)	LF	648														648	
44	606600	TEMPORARY CONCRETE WALL BARRIER	LF							1,810		160						1,970	
45	606619	RESETTING OF CONCRETE WALL BARRIER	LF							1,410								1,410	
46	607300	PILASTER AND FENCE PANEL, SALVAGE & REINSTALLATION	LF													150		150	
47	608004	CONCRETE SIDEWALK - 4"	SF	750														750	

AS BUILT INFORMATION

CONTRACTOR — DATE
WORK PERFORMED BY — DATE
INSPECTION'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS DISCREPANCIES BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1939". SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)

PROJECT: X=389231.63, Y=473027.84, EL=5310.21

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

NORMAN D. SCHWAB, NEW MEXICO, 4739, REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY TDS — DATE 6/27/96	
		DRAWN BY JLR — DATE 6/27/96	
		CHECKED BY TDS — DATE 6/27/96	

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD - PHASE II

SUMMARY OF QUANITIES

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
	6/27/96			

City Project No. 4044.91 | Zone Map No. M15&16 | Sheet 1-4.1 | Of

216 4044.91 911 04418

Wm Jones P.E.

RECORD DRAWING

DATE: 11/03/97 | DRAFTED BY: O.V.

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SUMMARY1 1=1 6/27/96

SUMMARY OF QUANTITIES

SEQUENCE NO.	ITEM NO.	ITEM DESCRIPTION	UNIT	ROADWAY		UTILITIES		BRIDGE		CONSTRUCTION SIGNING		PERMANENT SIGNING		SIGNALIZATION AND LIGHTING		LANDSCAPING		PROJECT TOTAL	
				ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL
48	608136	CONCRETE MEDIAN PVMT.– 4" (COLORED & PATTERNED)	SY	1,074														1,074	
49	609033	CONCRETE MOUNTABLE C&G TYPE "A" (6"x24")	LF	3,000														3,000	
50	609036	PINNED CURB, TYPE IV	LF	150														150	
51	609059	STANDARD CONCRETE BARRIER C&G (8"x2'–7 1/2")	LF	7,600														7,600	
52	609060	STANDARD CONCRETE BARRIER C&G (6"x18")	LF	1,000														1,000	
53	618000	TRAFFIC CONTROL MANAGEMENT	LS							1								1	
54	621001	MOBILIZATION	LS	1														1	
55	621002	CONTRACTOR QUALITY CONTROL	LS	1														1	
56	622102	FIELD LABORATORY, TYPE II	EA	1														1	
57	622500	FIELD OFFICE	EA	1														1	
58	623003	MEDIAN DROP INLET, 3' TO 6' DEPTH	EA	3														3	
59	623006	MEDIAN DROP INLET, 6' TO 8' DEPTH	EA	1														1	
60	623292	DROP INLET W/ ELEVATED COVER, FRAME & GRATE	VF	12														12	
61	623335	DROP INLET, SINGLE TYPE "A", 4' TO 8' DEPTH	EA	5														5	
62	623336	DROP INLET, SINGLE MODIFIED TYPE "A", 4' TO 8' DEPTH	EA	1														1	
63	623337	DROP INLET, SINGLE TYPE "C", 4' TO 8' DEPTH	EA	2														2	
64	660010	TRCH & BKFL FOR 6"–16", 0' TO 8' DEPTH	LF	698														698	
65	660011	TRCH & BKFL FOR 6"–16", OVER 8' TO 14' DEPTH	LF	992														992	
66	660030	TRCH & BKFL FOR 18"–36", LESS THAN 8' DEPTH	LF	588														588	
67	660040	TRCH & BKFL FOR 18"–36", OVER 8' TO 12' DEPTH	LF	2,131														2,131	
68	660050	TRCH & BKFL FOR 18"–36", 12' TO 16' DEPTH	LF	907														907	
69	662000	MANHOLE TYPE C – 4' DIA, 0' TO 6' DEPTH	EA			1												1	
70	662062	MANHOLE TYPE E – 4' DIA, OVER 6' TO 10' DEPTH	EA			6												6	
71	662064	MANHOLE TYPE E – 4' DIA, OVER 10' TO 14' DEPTH	EA			8												8	
72	662066	MANHOLE TYPE E – 4' DIA, OVER 14' TO 18' DEPTH	EA			2												2	
73	662072	MANHOLE TYPE E – 6' DIA, OVER 6' TO 10' DEPTH	EA			2												2	
74	662074	MANHOLE TYPE E – 6' DIA, OVER 10' TO 14' DEPTH	EA			2												2	
75	662992	LINING 4' DIA. MANHOLE, >6' DEPTH	VF			23												23	
76	663358	TIE TO EXISTING 12" WATERLINE	EA			2												2	
77	663361	TIE TO EXISTING 18" WATERLINE	EA			1												1	
78	663428	BUTTERFLY VALVE – 16"	EA			1												1	
79	663430	BUTTERFLY VALVE – 18"	EA			3												3	
80	663456	VALVE BOX W/ COVER – TYPE "A"	EA			6												6	
81	663550	DUCTILE IRON FITTINGS	LB			8,860												8,860	
82	663606	6" PVC WATERLINE TO 8' DEPTH	LF			903												903	
83	663608	8" PVC WATERLINE TO 6' DEPTH	LF			45												45	
84	663612	12" PVC WATERLINE TO 6' DEPTH	LF			34												34	
85	663812	16" DIP WATERLINE 0' TO 6' DEPTH	LF			50												50	
86	663820	20" DIP WATERLINE 0' TO 6' DEPTH	LF			1,892												1,892	
87	663897	GATE VALVE – 6"	EA			2												2	
88	663898	GATE VALVE – 8"	EA			1												1	
89	663899	CROSS ZONE WATER PUMPING STATION	LS			1												1	
90	663950	CONNECTION OF NEW STROM DRAIN LINE TO EXISTING MANHOLE	EA	1														1	
91	663951	AIR RELEASE VALVE, PER COA STD. DWG. 2350	EA			2												2	
92	664400	NON–PRESSURE CONNECTION (SAS)	EA			1												1	
93	664408	SANITARY SEWER– 8"	LF			1,690												1,690	
94	664465	CONNECTION OF NEW SEWERLINE TO EXIST. M.H.	EA			1												1	

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
INSPECTION ACCEPTANCE BY — DATE
VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO–FILM INFORMATION
DATE
RECORDED BY
NO.

BENCH MARKS
STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL
WILLIAM D. SCHUMACHER, NEW MEXICO No. 6738, REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS
		REVISIONS
		DESIGN
	DESIGNED BY	TDS — DATE 6/27/96
	DRAWN BY	JLR — DATE 6/27/96
	CHECKED BY	TDS — DATE 6/27/96

26-4044.91 05798

W M Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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MOLZEN–CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

SUMMARY OF QUANTITIES

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
	6/27/96			

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	1–5.1	

SUMMARY2 1=1 6/27/96

SUMMARY OF QUANTITIES

SEQUENCE NO.	ITEM NO.	ITEM DESCRIPTION	UNIT	ROADWAY		UTILITIES		BRIDGE		CONSTRUCTION SIGNING		PERMANENT SIGNING		SIGNALIZATION AND LIGHTING		LANDSCAPING		PROJECT TOTAL	
				ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL
95	667210	ROCK MULCH (LANDSCAPE GRAVEL)	SY													3,111		3,111	
96	701000	PANEL SIGN	SF									374						374	
97	701010	EXTRUDED PANEL SIGN	SF									3,955						3,955	
98	701101	STEEL POST & BASE POST FOR PANEL SIGN	LF									729						729	
99	701109	STEEL I-BEAM POST TYPE W6x9	LF									371						371	
100	701115	STEEL I-BEAM POST TYPE W6x15	LF									30						30	
101	701122	STEEL I-BEAM POST TYPE W10x22	LF									40						40	
102	701126	STEEL I-BEAM POST TYPE W10x26	LF									53						53	
103	701136	STEEL I-BEAM POST TYPE W12x26	LF									48						48	
104	701209	BREAKAWAY BASE SYSTEM W6x9	EA									28						28	
105	701215	BREAKAWAY BASE SYSTEM W6x15	EA									2						2	
106	701222	BREAKAWAY BASE SYSTEM W10x22	EA									2						2	
107	701226	BREAKAWAY BASE SYSTEM W10x26	EA									2						2	
108	701236	BREAKAWAY BASE SYSTEM W12x26	EA									2						2	
109	701440	CANTILEVER SIGN STRUCTURE - 201 TO 250 SF	EA									1						1	
110	701450	CANTILEVER SIGN STRUCTURE - 251 TO 300 SF	EA									1						1	
111	701500	BRIDGE TYPE MOUNT - 0 TO 50 SF	EA									2						2	
112	701570	SIGN BRIDGE STRUCTURE - 351 TO 400 SF	EA									2						2	
113	701580	SIGN BRIDGE STRUCTURE - 401 TO 450 SF	EA									1						1	
114	701595	SIGN BRIDGE STRUCTURE - 501 TO 550 SF	EA									1						1	
115	702000	CONSTRUCTION SIGNING	SF							606.5								606.5	
116	702145	PORTABLE SIGN SUPPORT	EA							45								45	
117	702238	BARRICADE TYPE III - 8'	EA							15								15	
118	702520	CHANNELIZATION DEVICES (BARREL) TYPE "H"	EA							35								35	
119	703200	FLEXIBLE TRAFFIC MARKER	EA									3						3	
120	703300	REFLECTIVE BARRIER DELINEATOR	EA									20						20	
121	704015	REMOVEABLE MARKING TAPE	LF							600								600	
122	704204	REFLECTORIZED PLASTIC PAVEMENT STRIPE - 4"	LF									25,882						25,882	
123	704208	REFLECTORIZED PLASTIC PAVEMENT STRIPE - 8"	LF									3,465						3,465	
124	704300	REFLECTORIZED PLASTIC COMBINATION THRU & LEFT ARROW	EA									2						2	
125	704320	REFLECTORIZED PLASTIC RIGHT ARROW	EA									6						6	
126	704330	REFLECTORIZED PLASTIC LEFT ARROW	EA									6						6	
127	704400	REFLECTORIZED PLASTIC WORD "ONLY"	EA									5						5	
128	706030	SERVICE POLE (SIGNAL)	EA											3				3	
129	706100	SERVICE RISER (SIGNAL)	EA											3				3	
130	706200	METER PEDESTAL (SIGNAL)	EA											3				3	
131	707002	TYPE I STANDARD - 2'	EA											3				3	
132	707013	TYPE I STANDARD - 13'	EA											16				16	
133	707120	TYPE V STANDARD - 40'	EA											86				86	
134	707299	TEMPORARY DETOUR LIGHTING	LS	1														1	
135	707326	TYPE III ALBUQUERQUE STANDARD - 25' ARM	EA											2				2	
136	707331	TYPE III ALBUQUERQUE STANDARD - 30' ARM	EA											3				3	
137	707336	TYPE III ALBUQUERQUE STANDARD - 35' ARM	EA											4				4	
138	709010	RIGID ELECTRICAL CONDUIT - 1"	LF											660				660	
139	709020	RIGID ELECTRICAL CONDUIT - 2"	LF											13,016				13,016	
140	709030	RIGID ELECTRICAL CONDUIT - 3"	LF											816				816	
141	710000	ELECTRICAL PULL BOX (STANDARD)	EA											16				16	

AS BUILT INFORMATION

CONTRACTOR WORK STARTED BY — DATE
CONSTRUCTION ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)

PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

NORMAN D. SCHREINER — NEW MEXICO — No. 4739 — REGISTERED PROFESSIONAL ENGINEER — 4.27.96

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	DATE 6/27/96
		DESIGNED BY TDS	DATE 6/27/96
		DRAWN BY JLR	DATE 6/27/96
		CHECKED BY TDS	

26-4044.91 0694

W M Jones P.E.

RECORD DRAWING

DATE: 11/03/97 — DRAFTED BY: O.V.

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MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD - PHASE II

SUMMARY OF QUANTITIES

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
	6/27/96			

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	1-6.1	

SUMMARY3 1=1 6/27/96

SUMMARY OF QUANTITIES

SEQUENCE NO.	ITEM NO.	ITEM DESCRIPTION	UNIT	ROADWAY		UTILITIES		BRIDGE		CONSTRUCTION SIGNING		PERMANENT SIGNING		SIGNALIZATION AND LIGHTING		LANDSCAPING		PROJECT TOTAL	
				ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL
142	710011	ELECTRICAL PULL BOX (LARGE)	EA											3				3	
143	710012	TRAFFIC SIGNAL MANHOLE	EA											12				12	
144	710300	SPLICE CABINET	EA											3				3	
145	711005	MULTICONDUCTOR CABLE 5	LF											4,999				4,999	
146	711007	MULTICONDUCTOR CABLE 7	LF											207				207	
147	711020	MULTICONDUCTOR CABLE 20	LF											3,450				3,450	
148	711102	SINGLE CONDUCTOR #4	LF											7,163				7,163	
149	711108	SINGLE CONDUCTOR #8	LF											34,820				34,820	
150	711222	SINGLE CONDUCTOR #12	LF											2,516				2,516	
151	711224	SINGLE CONDUCTOR #10	LF											6.350				6,350	
152	711228	SINGLE CONDUCTOR #6	LF											4,850				4,850	
153	711234	SINGLE CONDUCTOR #2	LF											1,500				1,500	
154	711506	COMMUNICATION CABLE – 6 PAIR	LF											50				50	
155	711525	COMMUNICATION CABLE – 25 PAIR	LF											1,325				1,325	
156	712030	3–SECTION TRAFFIC SIGNAL ASSEMBLY	EA											34				34	
157	712050	5–SECTION TRAFFIC SIGNAL ASSEMBLY	EA											6				6	
158	712200	PEDESTRIAN SIGNAL (NEON)	EA											20				20	
159	712330	3–SECTION BACK PLATE	EA											16				16	
160	713020	PUSH BUTTON STATION	EA											22				22	
161	713430	PHASE SELECTOR MODULE, 2 CHANNEL	EA											6				6	
162	713511	OPTICAL DETECTOR 1D/1C	EA											9				9	
163	713600	OPTICAL DETECTOR CABLE	LF											2,923				2,923	
164	713800	MACHINE VISION VEHICLE DETECTION SYSTEM	EA											3				3	
165	713805	VIDEO COAXIAL CABLE	LF											5,273				5,273	
166	713806	VIDEO POWER CABLE	LF											5,273				5,273	
167	713810	VIDEO CAMERA	EA											11				11	
168	714000	TRAFFIC ACTUATED CONTROLLER	EA											3				3	
169	714280	8–PHASE DUAL RING CONTROLLER CABINET	EA											3				3	
170	716021	ROADWAY LUMINAIRE TYPE 400 S	EA											86				86	
171	716301	UNDERPASS LUMINAIRE	EA											2				2	
172	716401	SIGN LUMINAIRE	EA											17				17	
173	720100	SAND BARREL VEHICULAR IMPACT ATTENUATOR	EA							4								4	
174	764118	ELAEAGNUS ANGUSTIFOLIA (RUSSIAN OLIVE)	EA													103		103	
175	764121	FRAXINUS VELUTINA (ARIZONA ASH)	EA													65		65	
176	764149	PLATINUS ACERFOLIA (LONDON PLANE TREE)	EA													9		9	
177	764178	PRUNUS VIRGINIANA 'CANADA RED' (CANADA RED CHOKECHERRY)	EA													140		140	
178	764195	COTINUS COGGYGRIA (SMOKE TREE)	EA													46		46	
179	764215	CUPRESSUS ARIZONICA (ARIZONA CYPRESS)	EA													39		39	
180	764231	JUNIPERUS SCOPULORUM 'WICHITA BLUE JUNIPER'	EA													111		111	
181	764323	BERBERIS THUNBERGII 'ATROPURPUREA' (RED–LEAF JAPANESE BARBERRY)	EA													921		921	
182	764333	CHRYSOTHAMNUS NAUSEOSUS (RUBBER RABBIT BRUSH)	EA													303		303	
183	764351	FORESTIERA NEOMEXICANA (NEW MEXICO OLIVE)	EA													50		50	
184	764408	ELAEAGNUS PUNGENS (SILVERBERRY)	EA													132		132	
185	764500	ROSMARINUS OFFICINALIS 'PROSTRATUS' (ROSEMARY)	FLAT													153		153	
186	764510	EUONYMOUS FORTUNEI (WINTER CREEPER)	EA													586		586	
187	764531	JUNIPERUS HORIZONTALIS 'PLUMOSA' (ANDORRA JUNIPER)	EA													84		84	
188	764533	JUNIPERUS SABINE 'BROADMOOR' (BROADMOOR JUNIPER)	EA													241		241	

AS BUILT INFORMATION

CONTRACTOR
WORK STARTED BY DATE
WORK SUSPENDED DATE
ACCEPTANCE BY DATE
VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

WILLIAM D. SCHNEIDER NEW MEXICO No. 9795 REGISTERED PROFESSIONAL ENGINEER 6-17-96

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY TDS DATE 6/27/96
DRAWN BY JLR DATE 6/27/96
CHECKED BY TDS DATE 6/27/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

SUMMARY OF QUANTITIES

Design Review Committee | City Engineer Approval 4/27/96 | Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 4044.91 | Zone Map No. M15&16 | Sheet 1–7.1 Of

1 2 3 4 5 6 7 8 9 10
246-4044.91-0798

Wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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SUMMARY4 1=1 6/27/96

SUMMARY OF QUANTITIES

SEQUENCE NO.	ITEM NO.	ITEM DESCRIPTION	UNIT	ROADWAY		UTILITIES		BRIDGE		CONSTRUCTION SIGNING		PERMANENT SIGNING		SIGNALIZATION AND LIGHTING		LANDSCAPING		PROJECT TOTAL	
				ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL
189	764651	PARTHENOCISSUS TRICUSPIDATA (BOSTON IVY)	EA													38		38	
190	764710	HEDERA HELIX (ENGLISH IVY)	EA													8		8	
191	764974	YUCCA ELATA (SOAP TREE YUCCA)	EA													12		12	
192	767019	CONCRETE EDGING (MOW STRIPS)	LF													7,000		7,000	
193	767031	BARK MULCH @ 4"	SF													135,901		135,901	
194	767508	BRICK PAVING FOR PLANTERS	LS													1		1	
195	770003	IRRIGATION SYSTEM	SF													825,000		825,000	
196	850000	YALE BLVD. BRIDGE OVER SUNPORT BLVD., COMPLETE IN PLACE	LS					1										1	
197	870001	CONSTRUCTION STAKING BY THE CONTRACTOR	LS	1														1	
10A	303720	GRANULAR FILL MATERIAL (WALL B)	CY	150														150	
19A	511040	STRUCTURAL CONCRETE CLASS E	CY	100														100	
20A	511242	STRUCTURAL CONCRETE CLASS B	CY	52														52	
45A	607026	CHAIN LINK FENCE	LF	620														620	
45B	607220	REMOVE & REBUILD CHAIN LINK FENCE	LF	260														260	
49A	609006	6" PCC CURB	LF	220														220	
52A	609600	VALLEY GUTTER	SF	405														405	
75A	663357	TIE TO EXISTING 6" WATERLINE	EA	1														1	
77A	663416	GATE VALVE – 12"	EA	1														1	
80A	663501	TIE TO EXISTING 16" WATERLINE	EA	1														1	
80B	663506	18" DIP WATERLINE TO 6' DEPTH	LF	20														20	
89A	663906	CONNECT 6" PVC TO 36" STORM DRAIN	EA	1														1	
95A	667216	PLANTER MIX	CY													13		13	
120A	704000	REFLECTORIZED PAINTED MARKINGS	LF	1250														1250	

AS BUILT INFORMATION

CONTRACTOR
REVIEWED BY — DATE
STAKED BY
INSPECTOR'S — DATE
AS-BUILT MARKS BY
FIELD
VERIFICATION BY — DATE
DATA ENTRY
CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

WILLIAM D. SCHNEIDER NEW MEXICO 4739 REGISTERED PROFESSIONAL ENGINEER 6-27-96

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	TDS
		DESIGNED BY	TDS
		DRAWN BY	JLR
		CHECKED BY	TDS
		DATE	6/27/96
		DATE	6/27/96
		DATE	6/27/96

2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
26-90499.97 08/98

wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

SUMMARY OF QUANTITIES

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
	6/27/96			

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	1-8.1	

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SUMMARY5 1=1 6/27/96

SUMMARY OF QUANTITIES

SEQUENCE NO.	ITEM NO.	ITEM DESCRIPTION	UNIT	ROADWAY		UTILITIES		BRIDGE		CONSTRUCTION SIGNING		PERMANENT SIGNING		SIGNALIZATION AND LIGHTING		LANDSCAPING		PROJECT TOTAL	
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189	764651	PARTHENOCISSUS TRICUSPIDATA (BOSTON IVY)	EA													38		38	
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195	770003	IRRIGATION SYSTEM	LS					1								825,000		825,000	
196	850000	YALE BLVD. BRIDGE OVER SUNPORT BLVD., COMPLETE IN PLACE	LS	1														1	
197	870001	CONSTRUCTION STAKING BY THE CONTRACTOR	CY	150														150	
10A	303720	GRANULAR FILL MATERIAL (WALL B)	CY	100														100	
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77A	663416	GATE VALVE – 12"	LF	1														1	
80A	663501	TIE TO EXISTING 16" WATERLINE	EA	20														20	
80B	663506	18" DIP WATERLINE TO 6' DEPTH	CY	1														1	
89A	663906	CONNECT 6" PVC TO 36" STORM DRAIN	LF	1250												13		13	
95A	667216	PLANTER MIX																1250	
120A	704000	REFLECTORIZED PAINTED MARKINGS																	

AS BUILT INFORMATION

CONTRACTOR — DATE
WORK INSPECTORS — DATE
ACCEPTANCE BY — DATE
VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

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PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

REGISTERED PROFESSIONAL ENGINEER — RAYMOND D. SCHMIDT — NEW MEXICO — No. 4739 — 6-27-96

REVISIONS

NO.	DATE	REMARKS	BY
		DESIGN	
	6/27/96	DESIGNED BY	TDS
	6/27/96	DRAWN BY	JLR
	6/27/96	CHECKED BY	TDS

2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-40.44, 97 08/98

wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

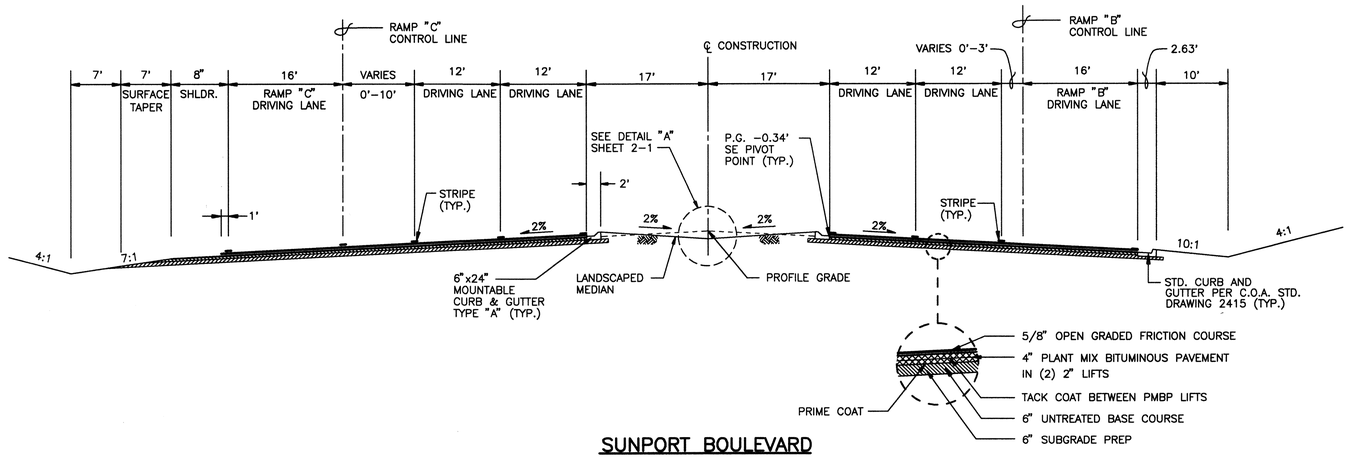
TITLE: SUNPORT BOULEVARD – PHASE II

SUMMARY OF QUANTITIES

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
	6/27/96			

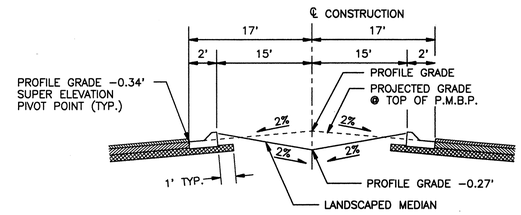
City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	1-8.1	

SUMMARYS 1=1 6/27/96



SUNPORT BOULEVARD

STA. 95+00.00 TO STA. 96+03.61 LT.
STA. 95+00.00 TO STA. 96+44.60 RT.
SCALE: 1"=10'

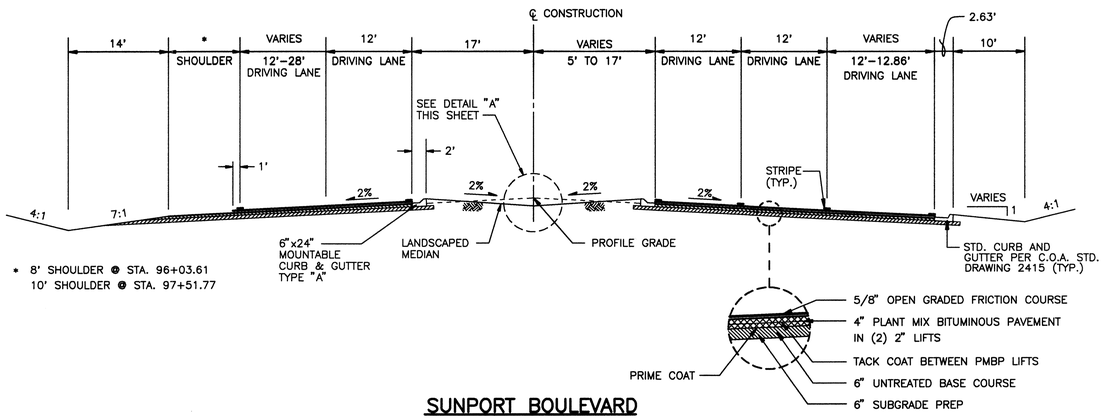


DETAIL "A"

SCALE: NONE

NOTES

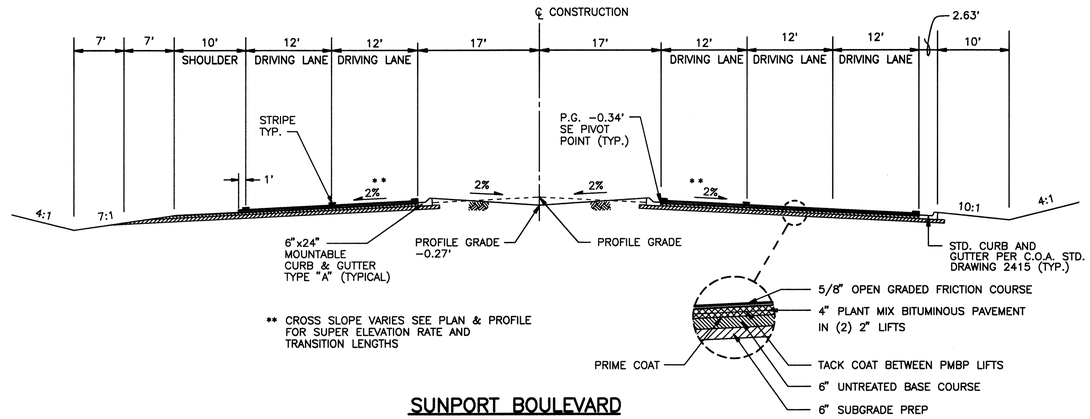
1. SEE PLAN AND PROFILE SHEETS FOR SUPER ELEVATION RATE AND TRANSITION LENGTHS.
2. SUBGRADE PREP FOR CONCRETE CURB AND GUTTER SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION OF THE CURB AND GUTTER. MEASUREMENT FOR SUBGRADE PREP SHALL INCLUDE AREA BETWEEN LIP OF GUTTER.



* 8' SHOULDER @ STA. 96+03.61
10' SHOULDER @ STA. 97+51.77

SUNPORT BOULEVARD

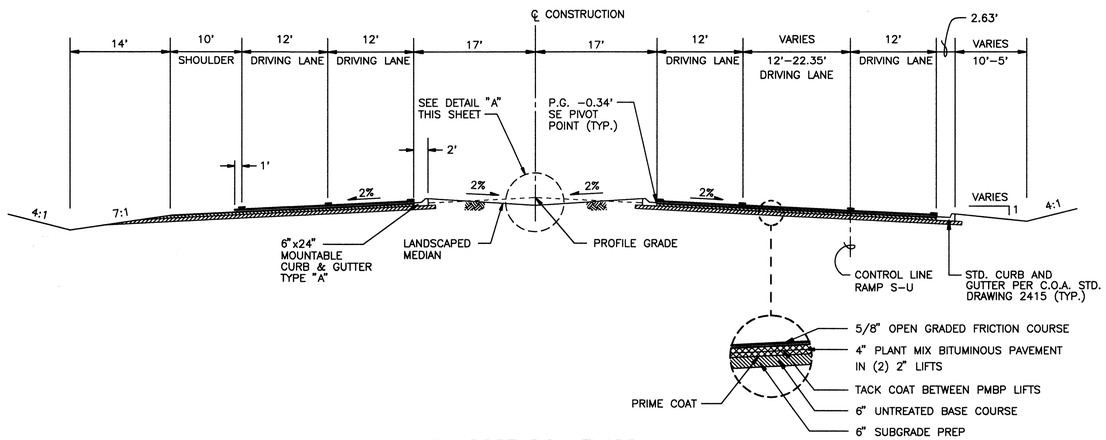
STA. 96+03.61 TO STA. 97+51.77 LT.
STA. 96+44.60 TO STA. 97+28.93 RT.
SCALE: 1"=10'



** CROSS SLOPE VARIES SEE PLAN & PROFILE FOR SUPER ELEVATION RATE AND TRANSITION LENGTHS

SUNPORT BOULEVARD

STA. 97+51.77 TO STA. 99+42.41 LT.
STA. 97+28.93 TO STA. 99+42.41 RT.
SCALE: 1"=10'



SUNPORT BOULEVARD

STA. 99+42.41 TO STA. 100+75.00
SCALE: 1"=10'

2C-4044.91 0998

wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY DATE
INSPECTED BY
ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE

BENCH MARKS
STATION "WEST", A BRASS TABLET STAMPED "WEST 19.39". SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

MICRO–FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

NO.	DATE	REVISIONS REMARKS	BY
		DESIGN	
		DESIGNED BY O.V. DATE 5/25/96	
		DRAWN BY STAFF DATE 5/25/96	
		CHECKED BY TDS DATE 5/25/96	

MOLZEN–CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

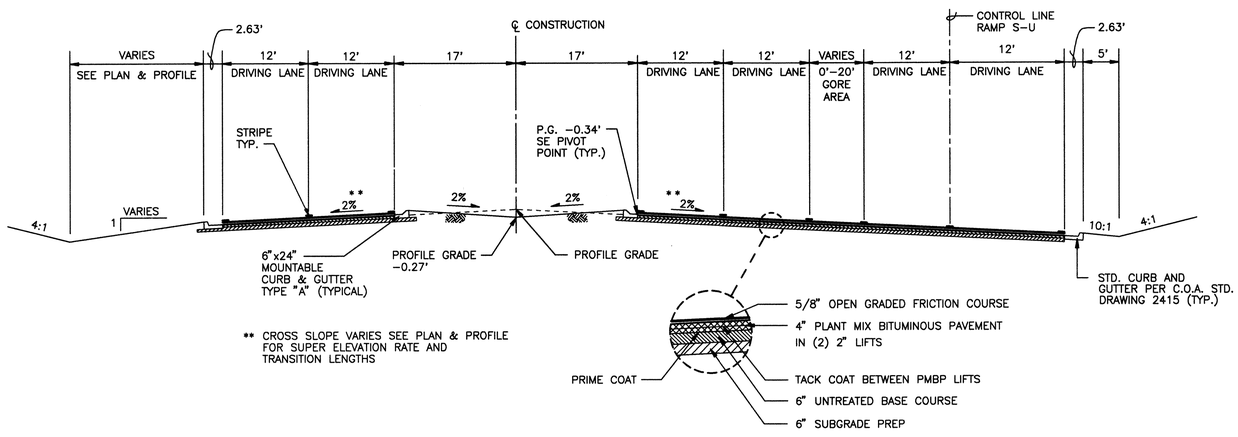
TITLE: SUNPORT BOULEVARD – PHASE II

TYPICAL ROADWAY SECTIONS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	2–1	

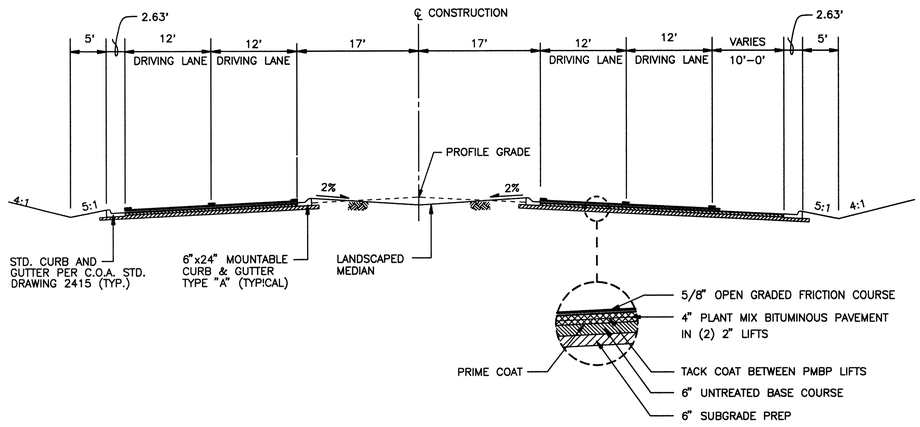
SPSEC1 1=10 05/25/96



SUNPORT BOULEVARD

STA. 100+75.00 TO STA. 102+31.91

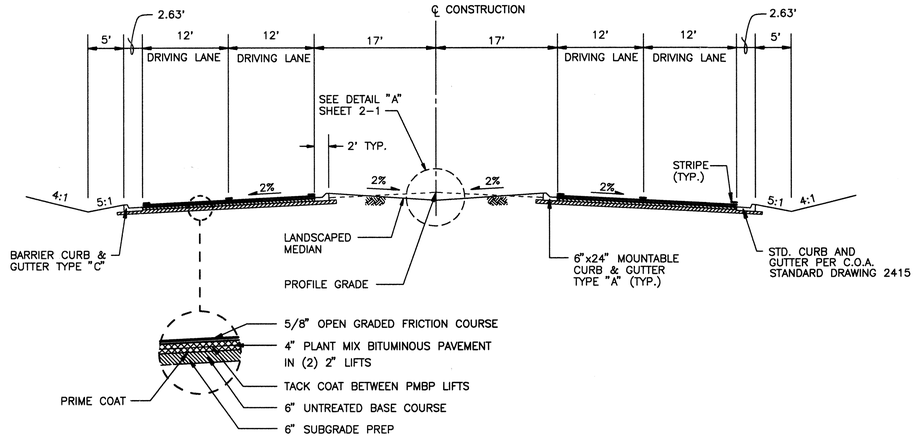
SCALE: 1"=10'



SUNPORT BOULEVARD

STA. 102+31.91 TO STA. 105+70.58

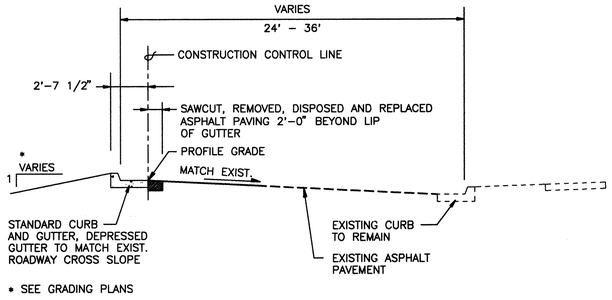
SCALE: 1"=10'



SUNPORT BOULEVARD

STA. 105+70.58 TO STA. 109+21.20

SCALE: 1"=10'



SUNPORT LOOP

SCALE: 1"=5'

NOTE:

SUBGRADE PREP FOR CONCRETE CURB AND GUTTER WAS CONSIDERED INCIDENTAL TO THE CONSTRUCTION OF THE CURB AND GUTTER.

26 96 49 37 1278

wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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AS BUILT INFORMATION

CONTRACTOR WORK STAKED BY — DATE
INSPECTED BY — DATE
ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE — NO.

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)

PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

NO.	DATE	REMARKS
		REVISIONS
		DESIGN
		DESIGNED BY O.V. — DATE 5/25/96
		DRAWN BY STAFF — DATE 5/25/96
		CHECKED BY TDS — DATE 5/25/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **SUNPORT BOULEVARD – PHASE II**

TYPICAL ROADWAY SECTIONS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	2-2	

SPSEC2 1=10 05/25/96

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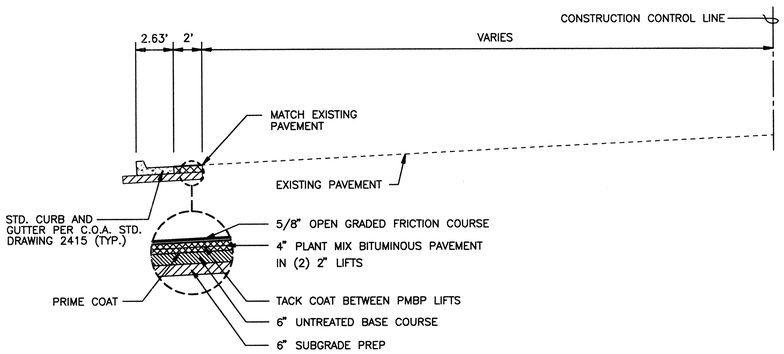
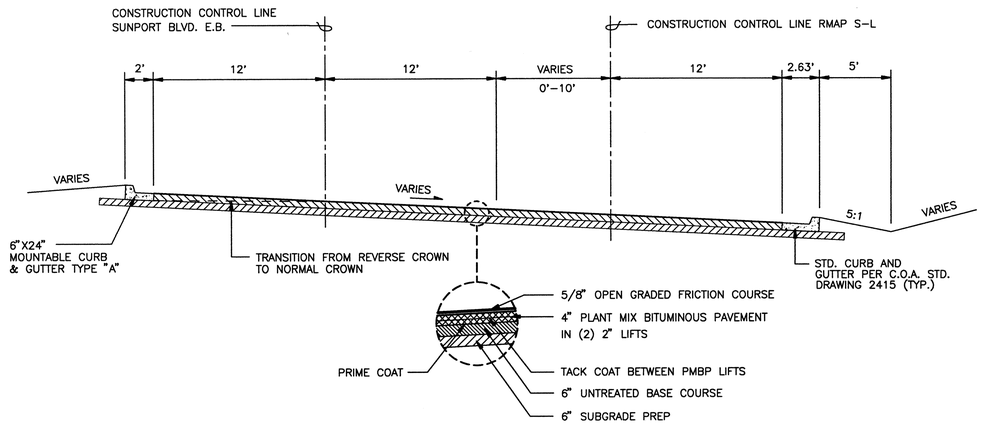


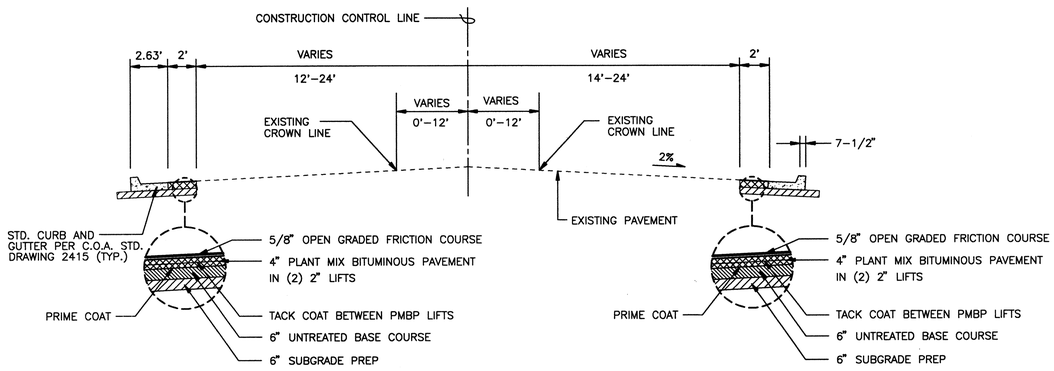
SUNPORT BLVD. EAST BOUND

STA. 115+50 TO STA. 118+50
SCALE: 1"=5'



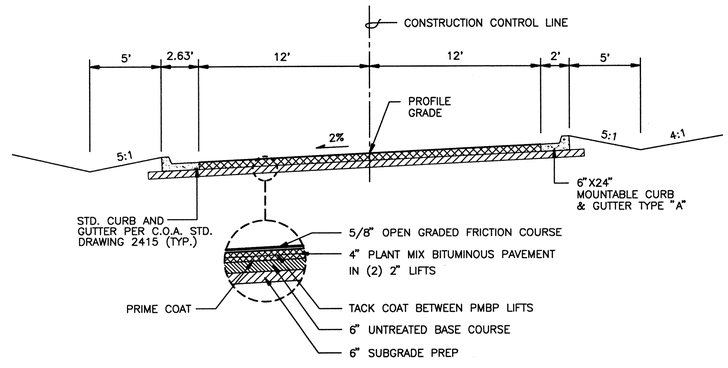
SUNPORT BLVD. EAST BOUND

STA. 113+01.17 TO STA. 114+50
SCALE: 1"=5'



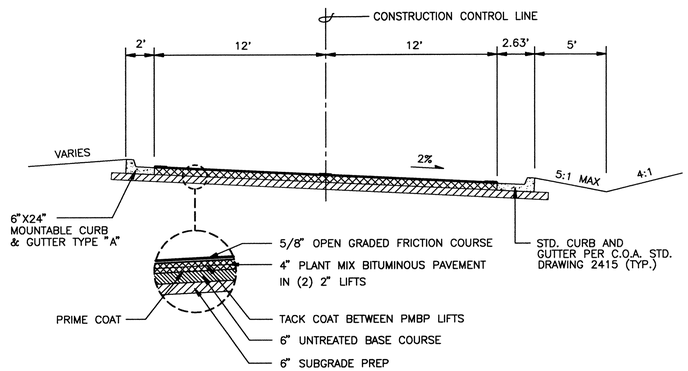
SUNPORT BLVD. EAST BOUND

STA. 114+50 TO STA. 115+50
SCALE: 1"=5'



SUNPORT BLVD. WEST BOUND

STA. 0+00 TO STA. 4+00
SCALE: 1"=5'



SUNPORT BLVD. EAST BOUND

STA. 109+21.20 TO STA. 113+01.17
SCALE: 1"=5'

NOTE:
SUBGRADE PREP FOR CONCRETE CURB AND GUTTER WAS CONSIDERED INCIDENTAL TO THE CONSTRUCTION OF THE CURB AND GUTTER.

Wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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AS BUILT INFORMATION
CONTRACTOR
WORK STAMPED BY DATE
INSPECTED BY DATE
ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
RECORDED BY DATE

BENCH MARKS
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PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY O.V.	DATE 5/25/96
		DRAWN BY STAFF	DATE 5/25/96
		CHECKED BY TDS	DATE 5/25/96

216-40199.91 11/98

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

TYPICAL ROADWAY SECTIONS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	2-3	

SPSEC5 1=5 5/25/96

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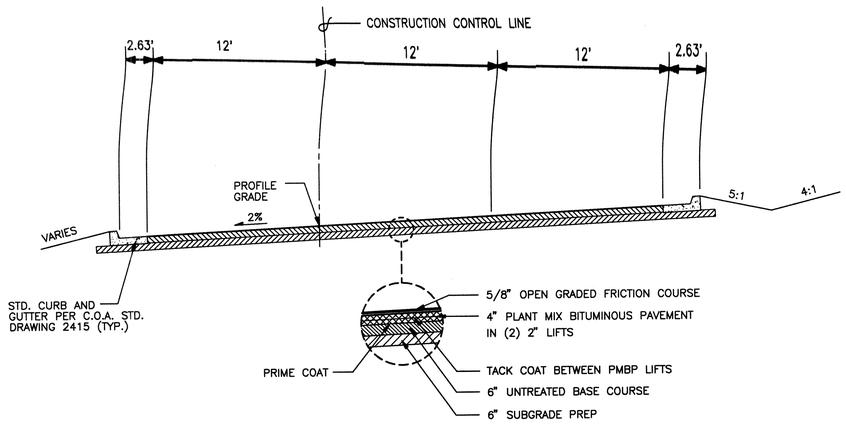
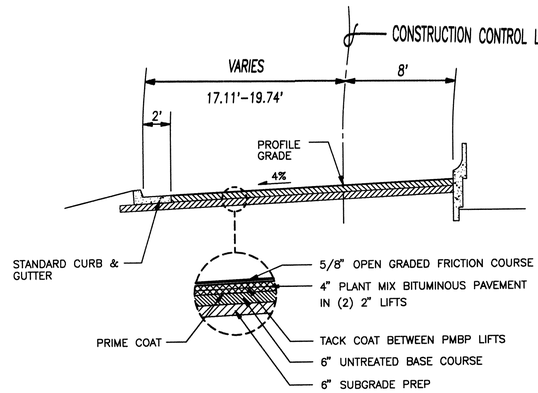


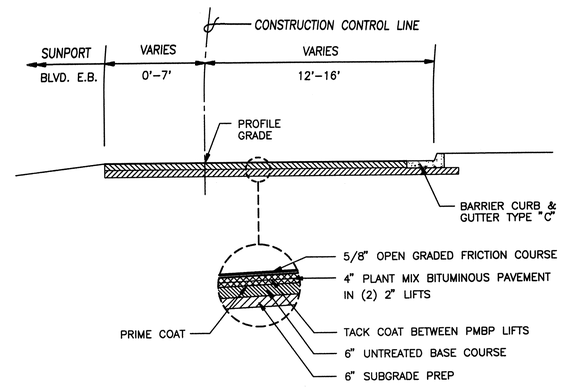
RAMP Y-U

STA. 17+67.03 TO STA. 20+00.00
SCALE: 1"=5'



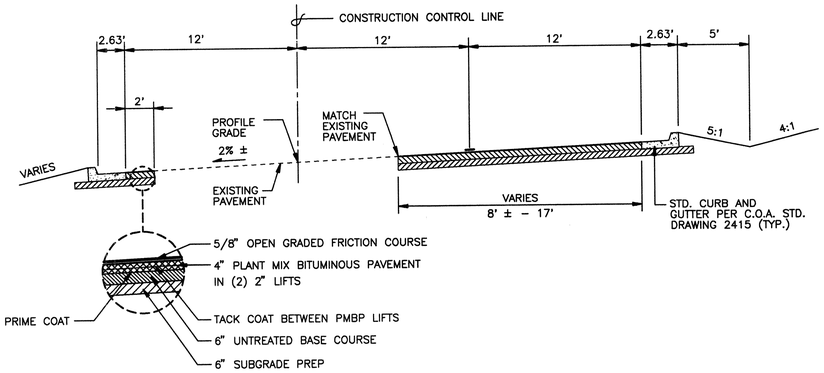
YALE BLVD. RAMP Y-U

STA. 16+12.04 TO STA. 16+95.84
SCALE: 1"=5'



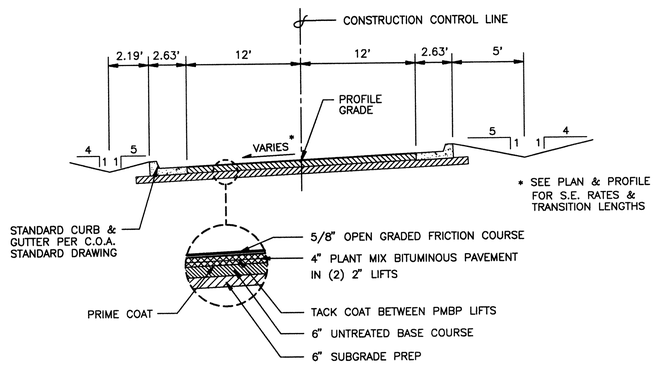
YALE BLVD. RAMP Y-L

STA. 20+05 TO STA. 23+53.66
SCALE: 1"=5'



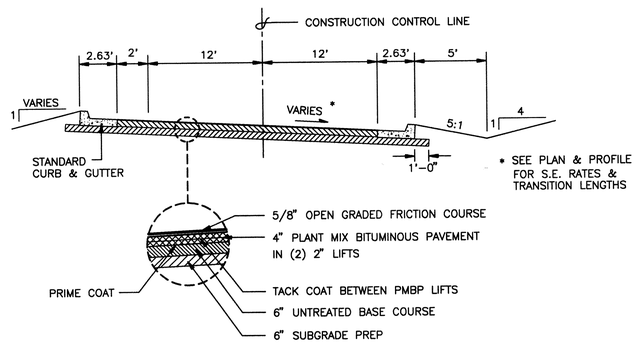
RAMP Y-U

STA. 20+00 - 20+80 ±
SCALE: 1"=5'



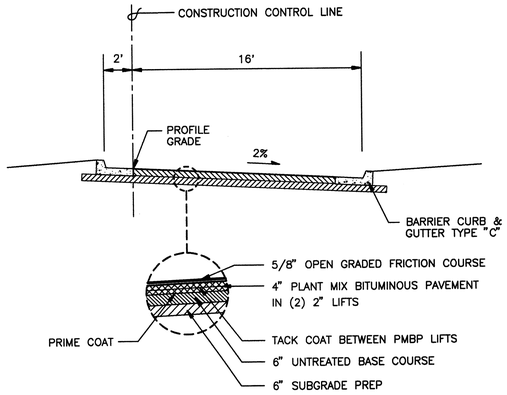
RAMP S-U

STA. 4+82.71 TO STA. 10+76.65
SCALE: 1"=5'



RAMP S-U

STA. 3+80.17 TO STA. 4+82.71
SCALE: 1"=5'



YALE BLVD. RAMP Y-L

STA. 18+65 TO STA. 20+05±
SCALE: 1"=5'

NOTE:

SUBGRADE PREP FOR CONCRETE CURB AND GUTTER WAS CONSIDERED INCIDENTAL TO THE CONSTRUCTION OF THE CURB AND GUTTER.

AS BUILT INFORMATION

CONTRACTOR WORK STARTED BY — DATE
CONSTRUCTION STAKES STAKED BY — DATE
FINAL ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE — NO.

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1939" SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY
		DESIGN	
	5/25/96		O.V.
	5/25/96		STAFF
	5/25/96		TDS

DESIGNED BY O.V.
DRAWN BY STAFF
CHECKED BY TDS

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD - PHASE II

TYPICAL ROADWAY SECTIONS

wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	2-4	

SPSEC3 1=5 5/25/96

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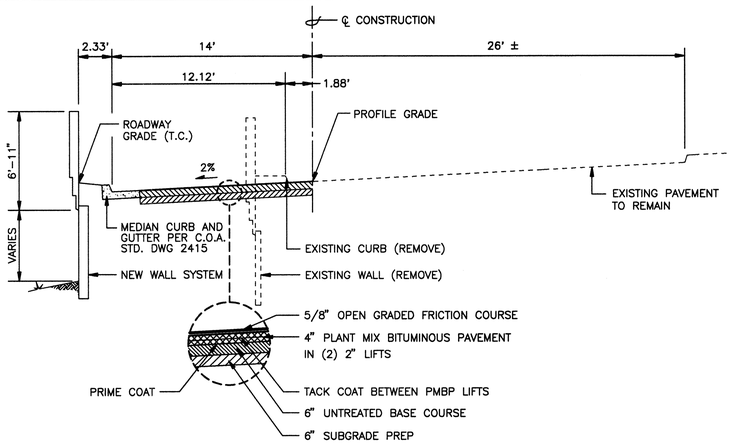
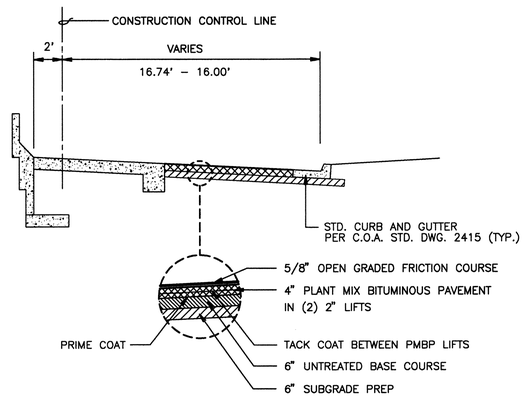


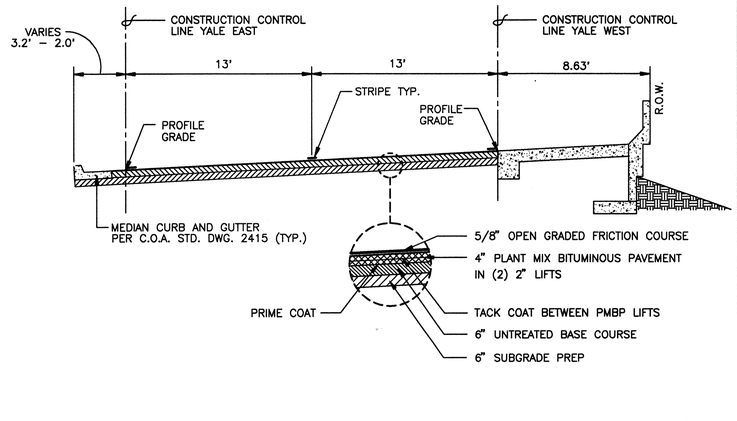
RAMP Y-U

STA. 23+64.94 TO STA. 25+13.09
SCALE: 1"=5'



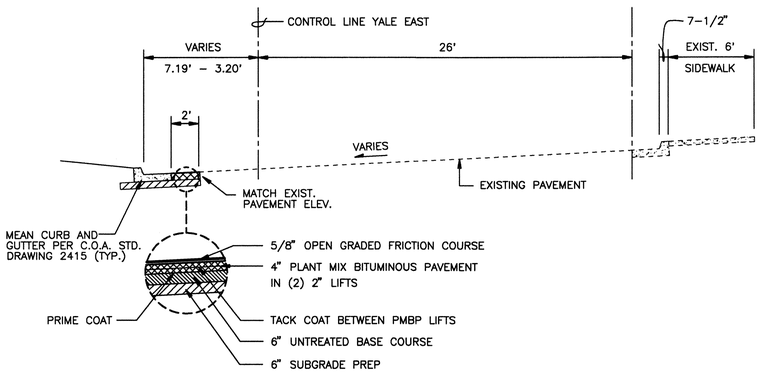
YALE BLVD. RAMP Y-L

STA. 16+56.73 TO STA. 17+19.31
SCALE: 1'=5'



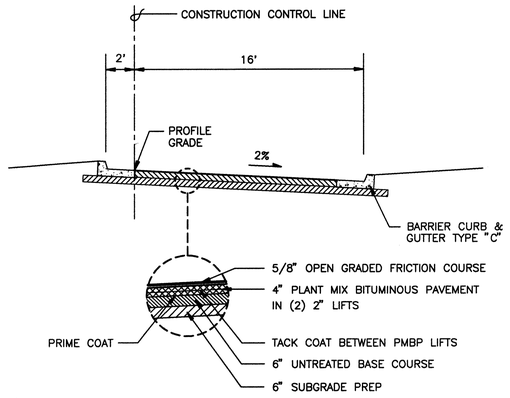
YALE BLVD.

STA. 12+50 TO STA. 14+07.63 (YALE WEST)
SCALE: 1"=5'



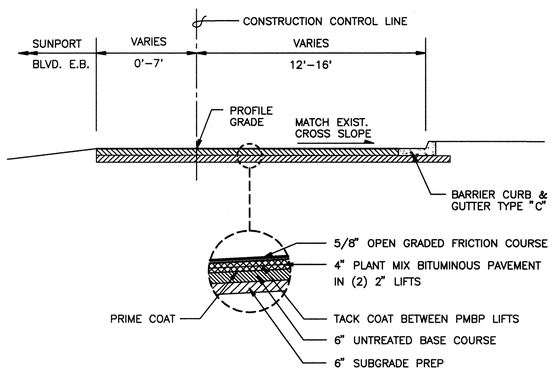
YALE BLVD.

STA. 10+00 TO STA. 12+50
SCALE: 1"=5'



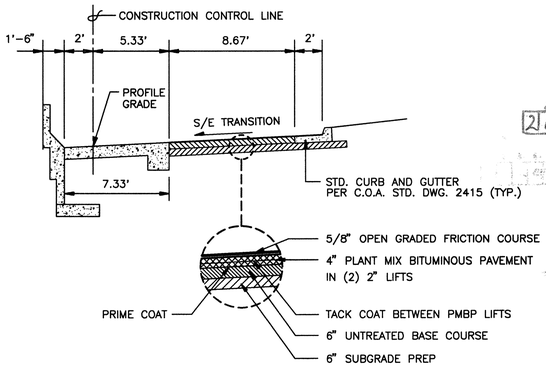
YALE BLVD. RAMP Y-L

STA. 19+00 TO STA. 20+07.04
SCALE: 1"=5'



YALE BLVD. RAMP Y-L

STA. 20+07.04 TO STA. 23+53.66
SCALE: 1"=5'



YALE BLVD. RAMP Y-L

STA. 17+19.31 TO STA. 19+00
SCALE: 1'=5'

NOTE:

SUBGRADE PREP FOR CONCRETE CURB AND GUTTER WAS BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION OF THE CURB AND GUTTER.

2G-4044.91 7/3/98

W M Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V

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AS BUILT INFORMATION

CONTRACTOR
WORK STARTED BY — DATE
WORK COMPLETED BY — DATE
ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE

BENCH MARKS

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PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

SEAL

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY O.V. — DATE 5/28/96	
		DRAWN BY STAFF — DATE 5/28/96	
		CHECKED BY TRS — DATE 5/28/96	

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD - PHASE II

TYPICAL ROADWAY SECTIONS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	2-5	

SPSEC4 1=5 5/28/96

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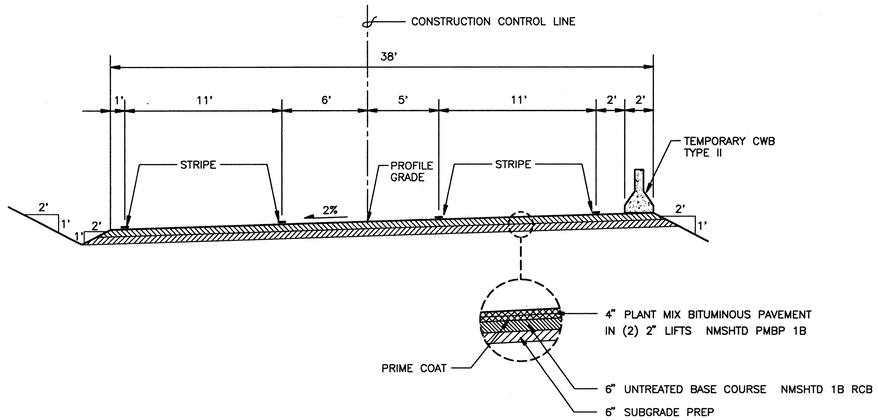
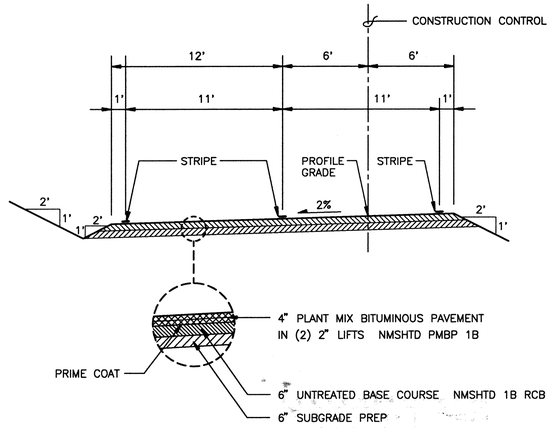


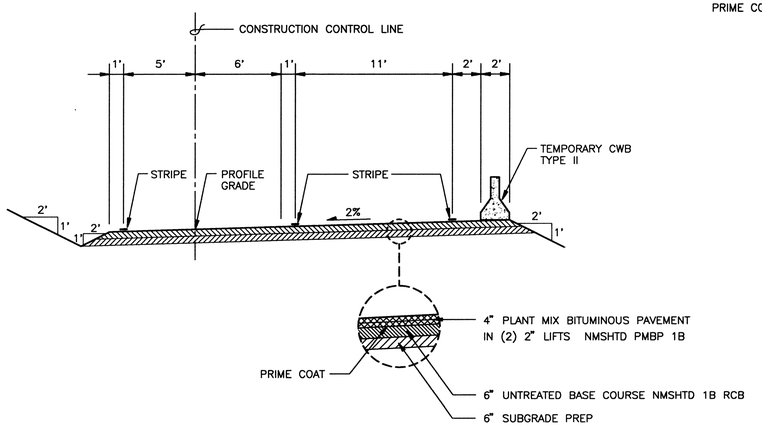
YALE BLVD. DETOUR

STA. 11+18.65 YD-1 TO STA. 15+07.40 YD-1
SCALE: 1'=5'



YALE BLVD. DETOUR

STA. 1+00 YD-2 TO STA. 4+20 YD-2
SCALE: 1'=5'



YALE BLVD. DETOUR

STA. 15+07.40 YD-1 TO STA. 16+78.55 YD-1
SCALE: 1'=5'

2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-4044.91 1498

W M Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT. THESE DRAWINGS WERE ORIGINALLY PREPARED IN CADD FORMAT AND APPROVED FOR CONSTRUCTION BY THE CITY ENGINEER ON 5/30/96. DRAWINGS INCLUDED IN THIS SET WHICH DO NOT HAVE ORIGINAL DRC SIGNATURES HAVE BEEN MODIFIED AND REPLOTTED FOR RECORD DRAWING PURPOSES.

AS BUILT INFORMATION

CONTRACTOR — DATE
STAKED BY — DATE
INSPECTED BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS DESIGN	

DESIGNED BY O.V. DATE 5/28/96
DRAWN BY STAFF DATE 5/28/96
CHECKED BY TDS DATE 5/28/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **SUNPORT BOULEVARD – PHASE II**

TYPICAL ROADWAY SECTIONS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 4044.91 | Zone Map No. M15&16 | Sheet 2-5A Of

SPSECAA 1=5 5/28/96

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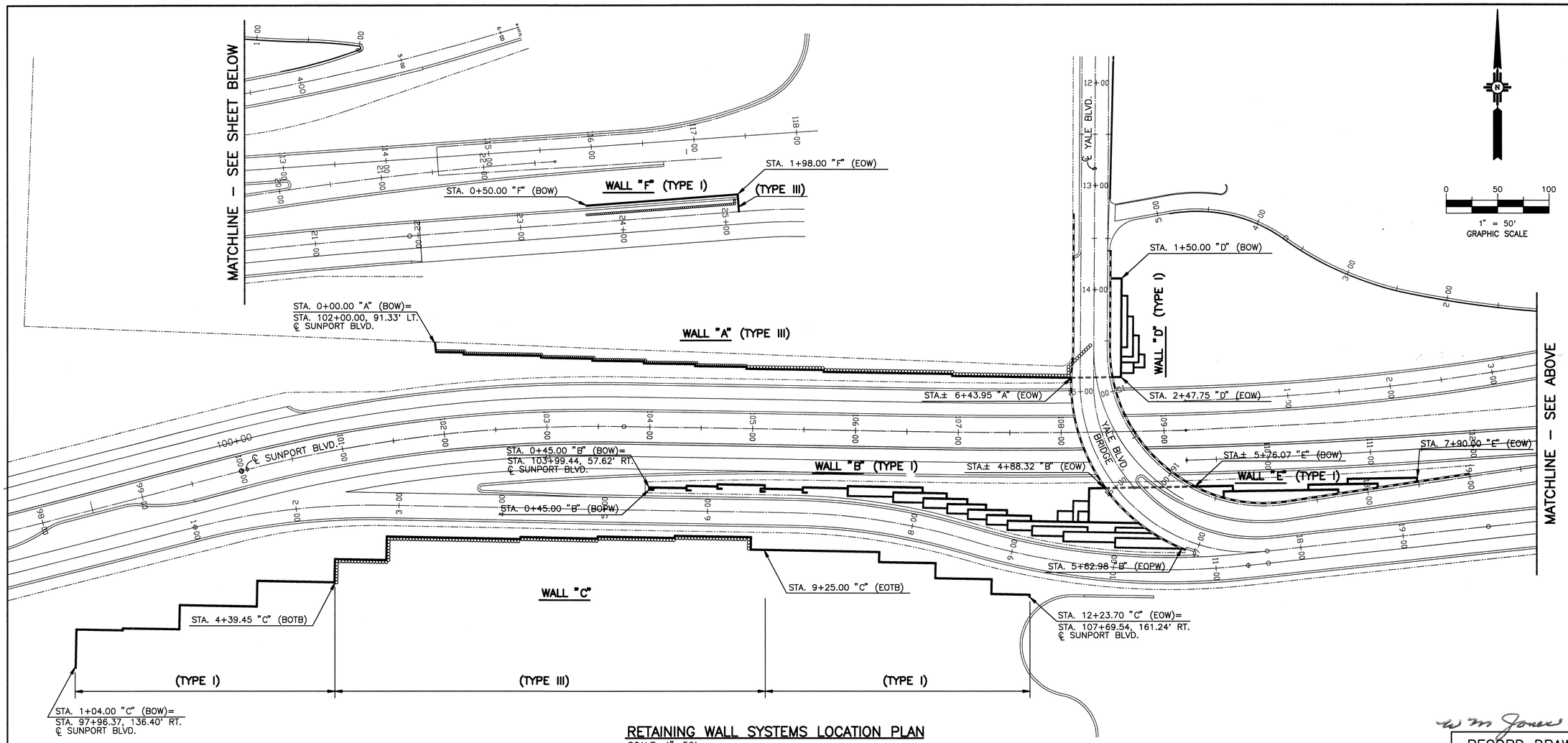

RETAINING WALL SYSTEMS LOCATION PLAN

SCALE: 1"=50'

ESTIMATE			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
	Wall "A"		
203000	Unclassified Excavation	CY	1060
502024	Drilled Shaft Foundation – 24" Diameter	LF	2585
502036	Drilled Shaft Foundation – 36" Diameter	LF	3920
511300	Substructure Concrete Class A	CY	555
540060	Reinforcing Bars Grade 60	LB	37100
543100	Metal Pedestrian Railing (modified)	LF	632
	Wall "B"		
203000	Unclassified Excavation	CY	20770
512000	Superstructure Concrete Class AA	CY	1820
540060	Reinforcing Bars Grade 60	LB	165200

ESTIMATE			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
	Wall "C"		
	Soldier Pile Wall		
203000	Unclassified Excavation	CY	800
502036	Drilled Shaft Foundation – 36" Diameter	LF	6826
511300	Substructure Concrete Class A	CY	520
540060	Reinforcing Bars Grade 60	LB	31562
543100	Metal Pedestrian Railing (modified)	LF	415
	Cantilever Wall		
203000	Unclassified Excavation	CY	13385
512000	Substructure Concrete Class AA	CY	940
540060	Reinforcing Bars Grade 60	LB	85050
543100	Metal Pedestrian Railing (modified)	LF	644

ESTIMATE			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
	Wall "D"		
203000	Unclassified Excavation	CY	2770
512000	Substructure Concrete Class AA	CY	230
540060	Reinforcing Bars Grade 60	LB	21270
	Wall "E"		
203000	Unclassified Excavation	CY	4410
512000	Superstructure Concrete Class AA	CY	350
540060	Reinforcing Bars Grade 60	LB	31460
	Wall "F"		
203000	Unclassified Excavation	CY	343
502036	Drilled Shaft Foundation – 24" Diameter	LF	1100
511300	Substructure Concrete Class A	CY	4
512000	Superstructure Concrete Class AA	CY	169
540060	Reinforcing Bars Grade 60	LB	18700
	Metal Pedestrian Railings	LF	158

NOTES:

1. FOR CANTILEVER WALL SYSTEM (TYPE I) AND DETAILS SEE SHEET NO. 2–42.
2. FOR TIED–BACK WALL SYSTEM (TYPE II) AND DETAILS SEE SHEET NO. 2–43.
3. FOR SOLDIER PILE WALL SYSTEM (TYPE III) AND DETAILS SEE SHEET NO. 2–44.
4. ABBREVIATIONS:
   - T/W = TOP OF WALL
   - T/P = TOP OF PILE
   - T/F = TOP OF FOOTING
   - P/T = PILE TIP
   - B/FW = BOTTOM OF FACING WALL
   - BOW = BEGIN OF WALL
   - EOW = END OF WALL
   - BOPW = BEGIN OF PLANTER WALL
   - EOPW = END OF PLANTER WALL
   - BOTB = BEGIN OF TIED–BACK WALL
   - EOTB = END OF TIED–BACK WALL
5. GEOTECHNICAL INVESTIGATION REPORT RELATED TO RETAINING WALL SYSTEMS FOR THIS PROJECT IS INCLUDED IN THE SPECIFICATIONS FOR THE INFORMATION OF THE CONTRACTOR.

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY DATE
INSPECTOR'S ASSISTANTS BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO–FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

W.M. Jones P.E.

RECORD DRAWING

DATE: 11/20/97	DRAFTED BY: W.M.J.

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT. THESE DRAWINGS WERE ORIGINALLY PREPARED IN CADD FORMAT AND APPROVED FOR CONSTRUCTION BY THE CITY ENGINEER ON 6/15/94. DRAWINGS INCLUDED IN THIS SET WHICH DO NOT HAVE ORIGINAL DRC SIGNATURES HAVE BEEN MODIFIED AND REPLOTTED FOR RECORD DRAWING PURPOSES.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-40944.191 15798

NO.	DATE	REVISIONS	BY
1	8/96	WALL "C" QUANTITIES	FOQ

DESIGNED BY F.O.Q. DATE 04\10\96
DRAWN BY L.A.H. DATE 05\21\96
CHECKED BY R.S.P. DATE 04\10\96

MOLZEN–CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BLVD

RETAINING WALL SYSTEMS LOCATION PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet Of
		2–6

LOCATION.DWG 1=50 05\21\96

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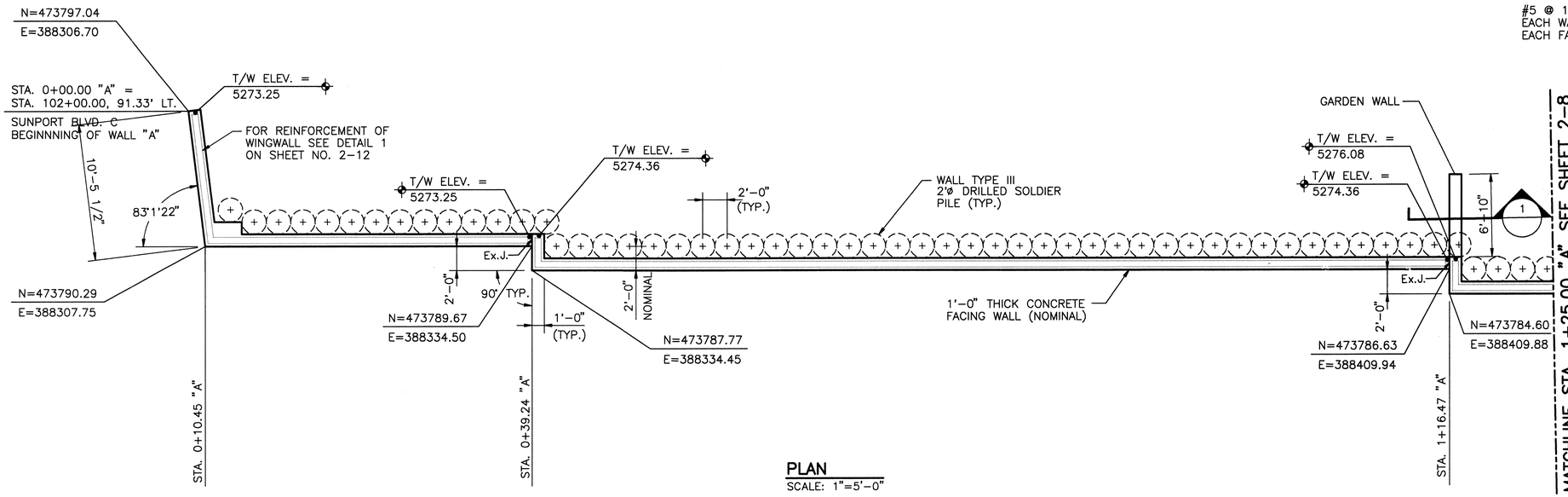
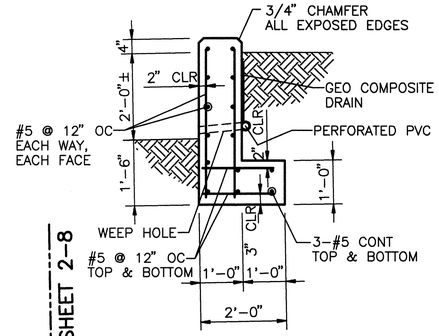
CHANGE ORDER NO. 1



PLAN
SCALE: 1"=5'-0"

GARDEN WALL



SECTION A-A
NTS

wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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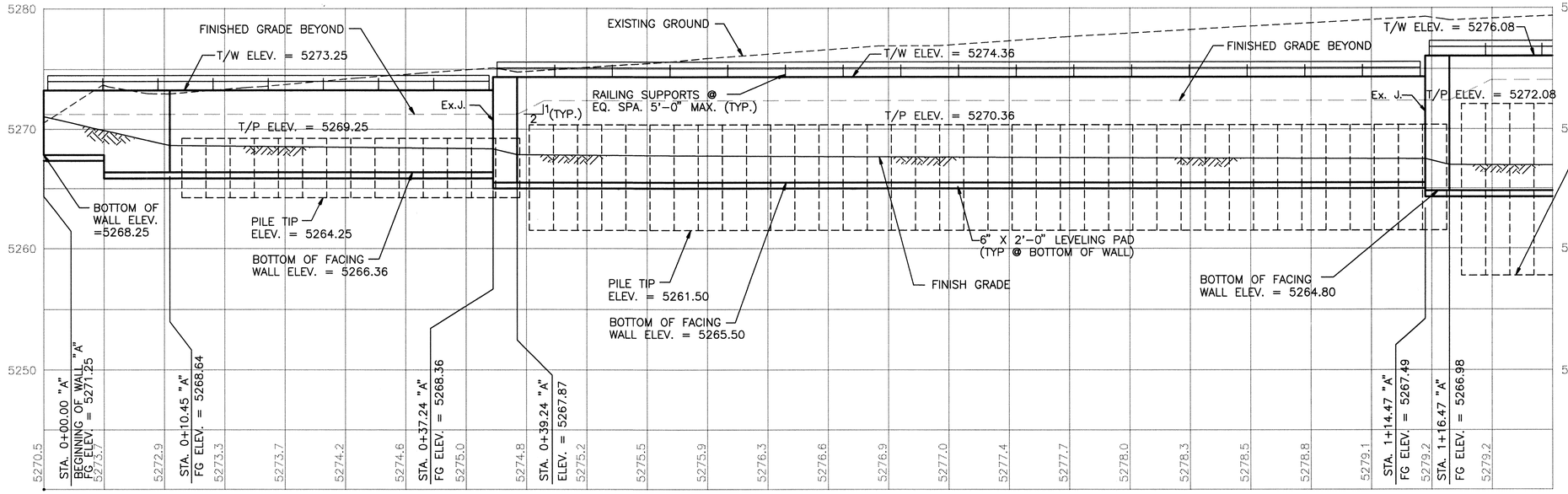
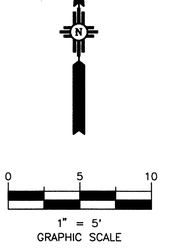


ELEVATION
SCALE: 1"=5'-0"



MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BLVD.

WALL "A" PLAN & ELEVATION
STA. 0+00.00 "A" (BOW) TO STA. 1+25.00 "A"

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
		2-7	

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY / INSPECTED BY / ACCEPTANCE BY / FIELD VERIFICATION BY / DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE — NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY F.O.Q. DATE 03\20\96
DRAWN BY T.D.S. DATE 05\08\96
CHECKED BY R.S.P. DATE

1=5' 05\22\96
WALLAPP1

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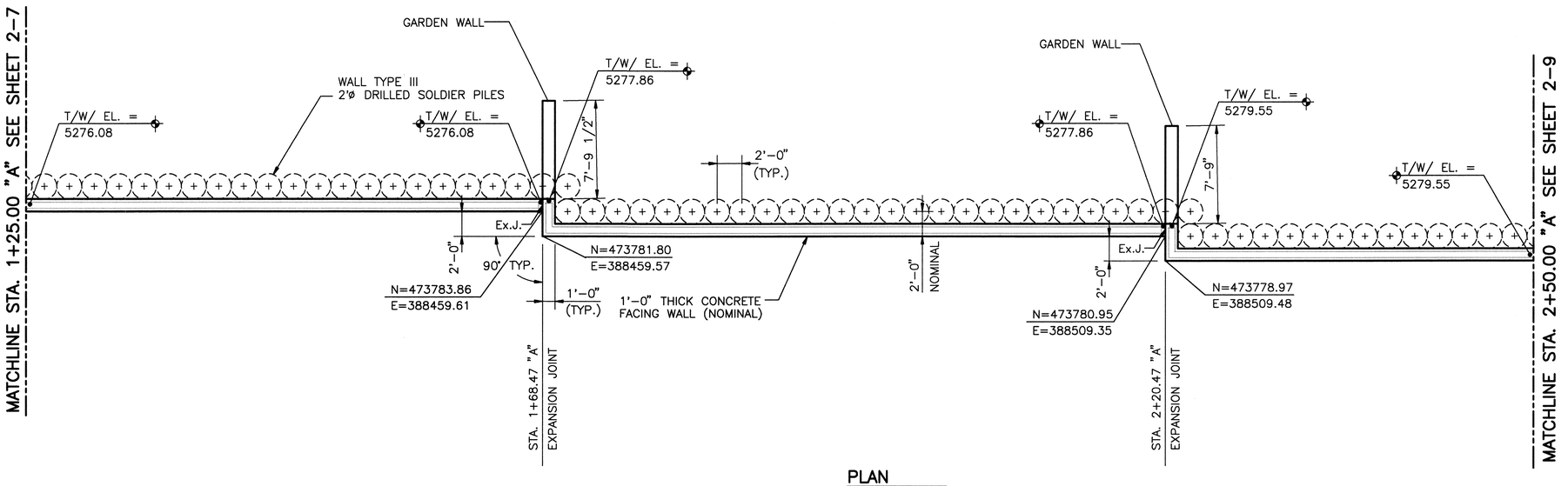
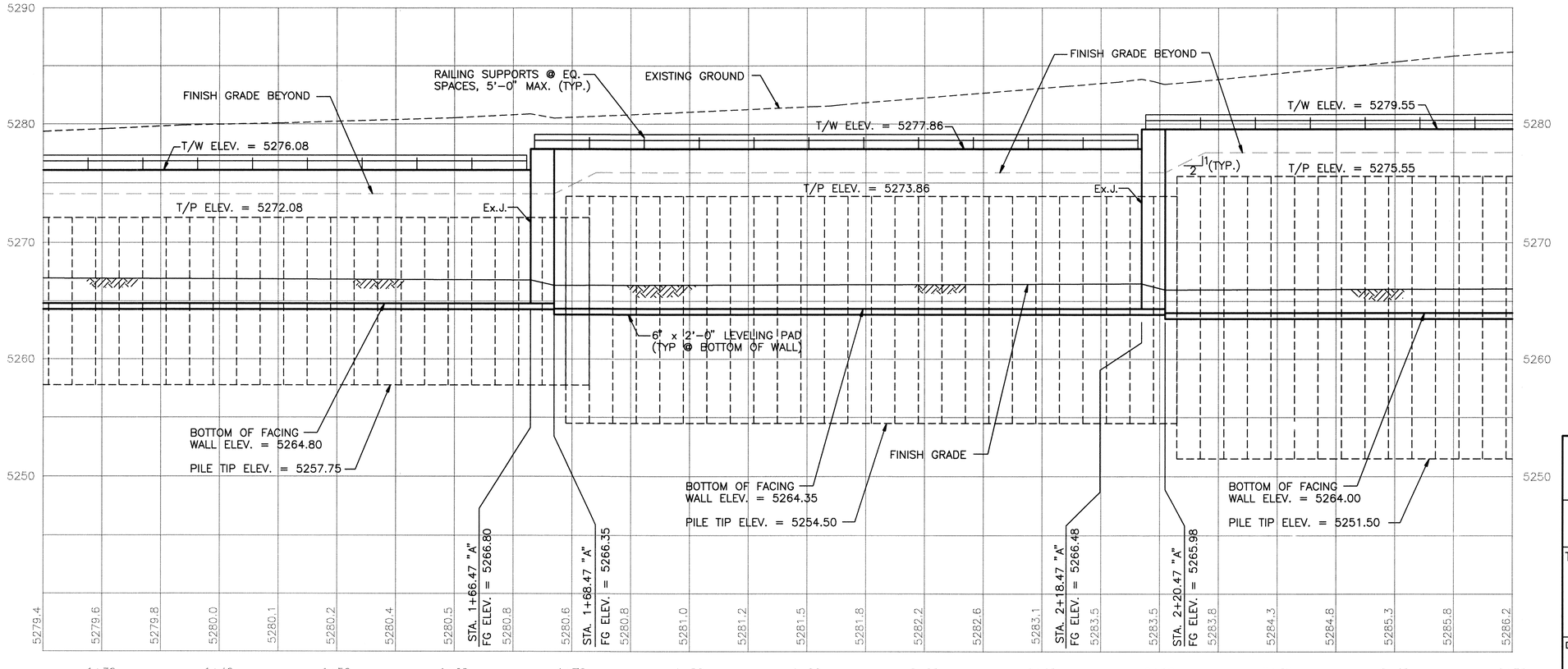


PLAN
SCALE: 1"=5'-0"



ELEVATION
SCALE: 1"=5'-0"

WALLAPP2 1-5' 05\21\96

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wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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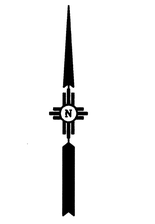
AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY DATE
INSPECTOR'S ASSISTANTS BY DATE
FIELD STAKING BY DATE
VERIFICATION BY
FIELD NOTES DATE
CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL



NO.	DATE	REMARKS	BY
		REVISIONS DESIGN	
		DESIGNED BY F.O.Q.	DATE 03\20\96
		DRAWN BY T.D.S.	DATE 05\08\96
		CHECKED BY R.S.P.	DATE

MOLZEN-CORBIN & Associates

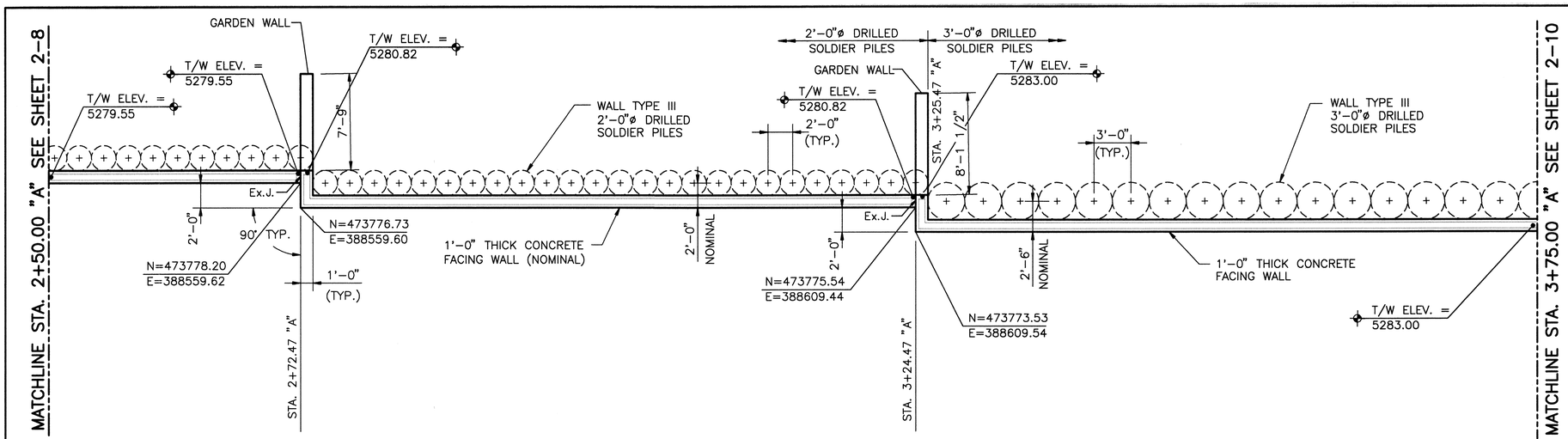
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **SUNPORT BLVD.**

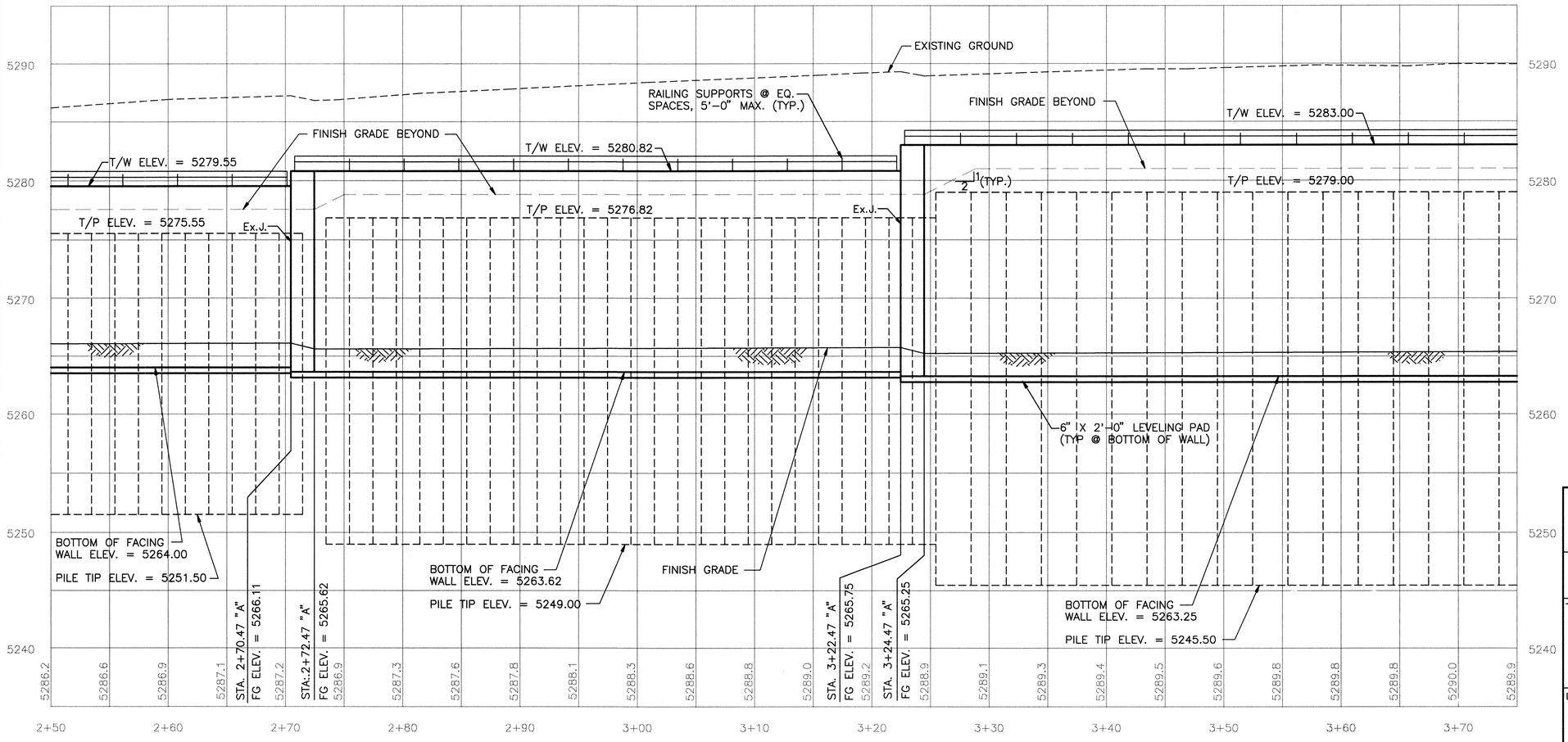
WALL "A" PLAN & ELEVATION
STA. 1+25.00 "A" TO STA.2+50.00 "A"

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
		2-8	



PLAN
SCALE: 1"=5'-0"



ELEVATION
SCALE: 1"=5'-0"

0 5 10
1" = 5'
GRAPHIC SCALE

W m Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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AS BUILT INFORMATION
CONTRACTOR WORK STARTED BY DATE
SURVEYED BY DATE
ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

REVISIONS
NO. DATE REMARKS BY
DESIGNED BY F.O.Q. DESIGN DATE 03\20\96
DRAWN BY T.D.S. DATE 05\08\96
CHECKED BY R.S.P. DATE

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BLVD.

WALL "A" PLAN & ELEVATION
STA. 2+50.00 "A" TO STA.3+75.00 "A"

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
		2-9	

WALLAPP3 1=5' 05\22\96

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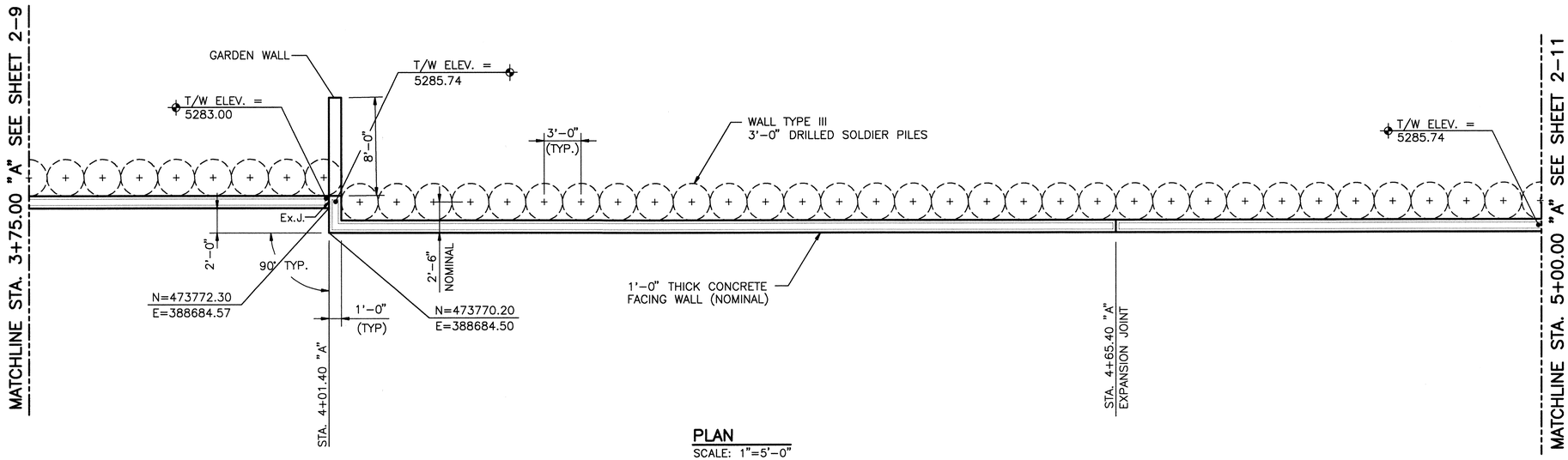
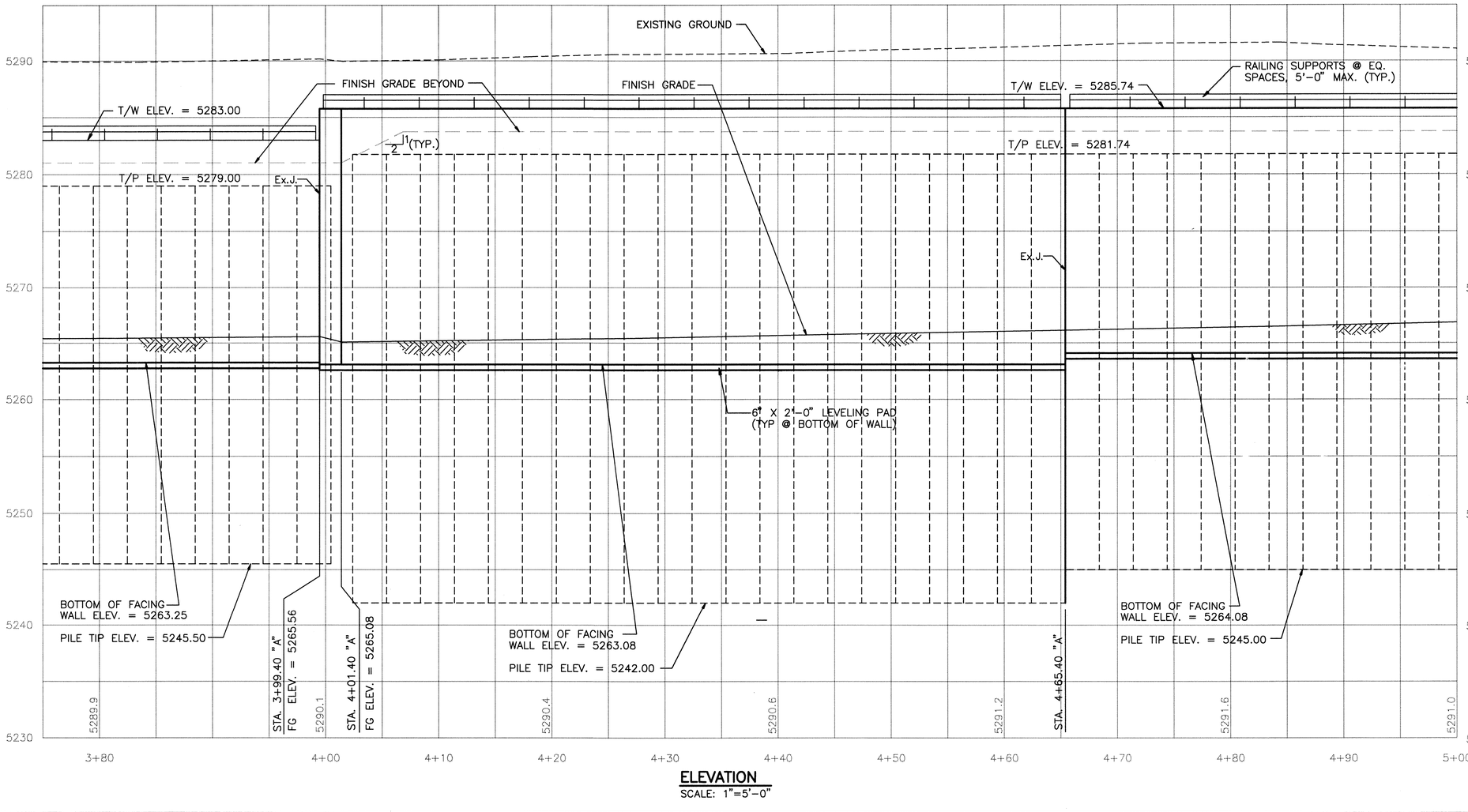


PLAN
SCALE: 1"=5'-0"



ELEVATION
SCALE: 1"=5'-0"

WM Jones P.E

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
SURVEYED BY
ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY F.O.Q.	DATE 03\20\96
		DRAWN BY T.D.S.	DATE 05\08\96
		CHECKED BY R.S.P.	DATE

0 5 10
1" = 50'
GRAPHIC SCALE

216-9044.91 1/1998

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BLVD.

WALL "A" PLAN & ELEVATION
STA. 3+75.00 "A" TO STA.5+00.00 "A"

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
		2-10	

1=5' 05\22\96
WALLAPP4

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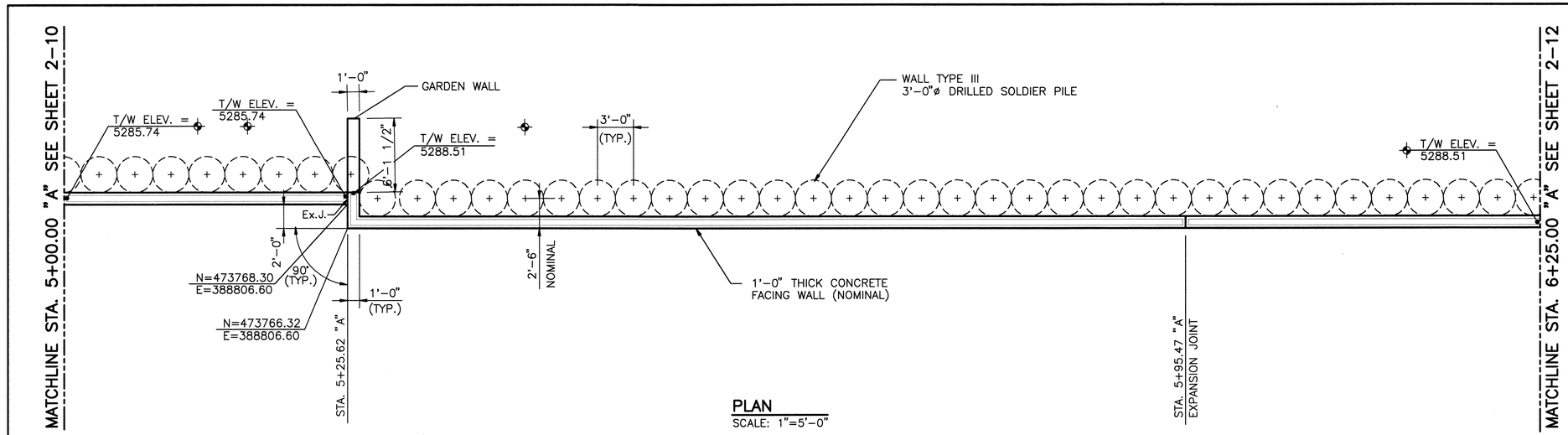
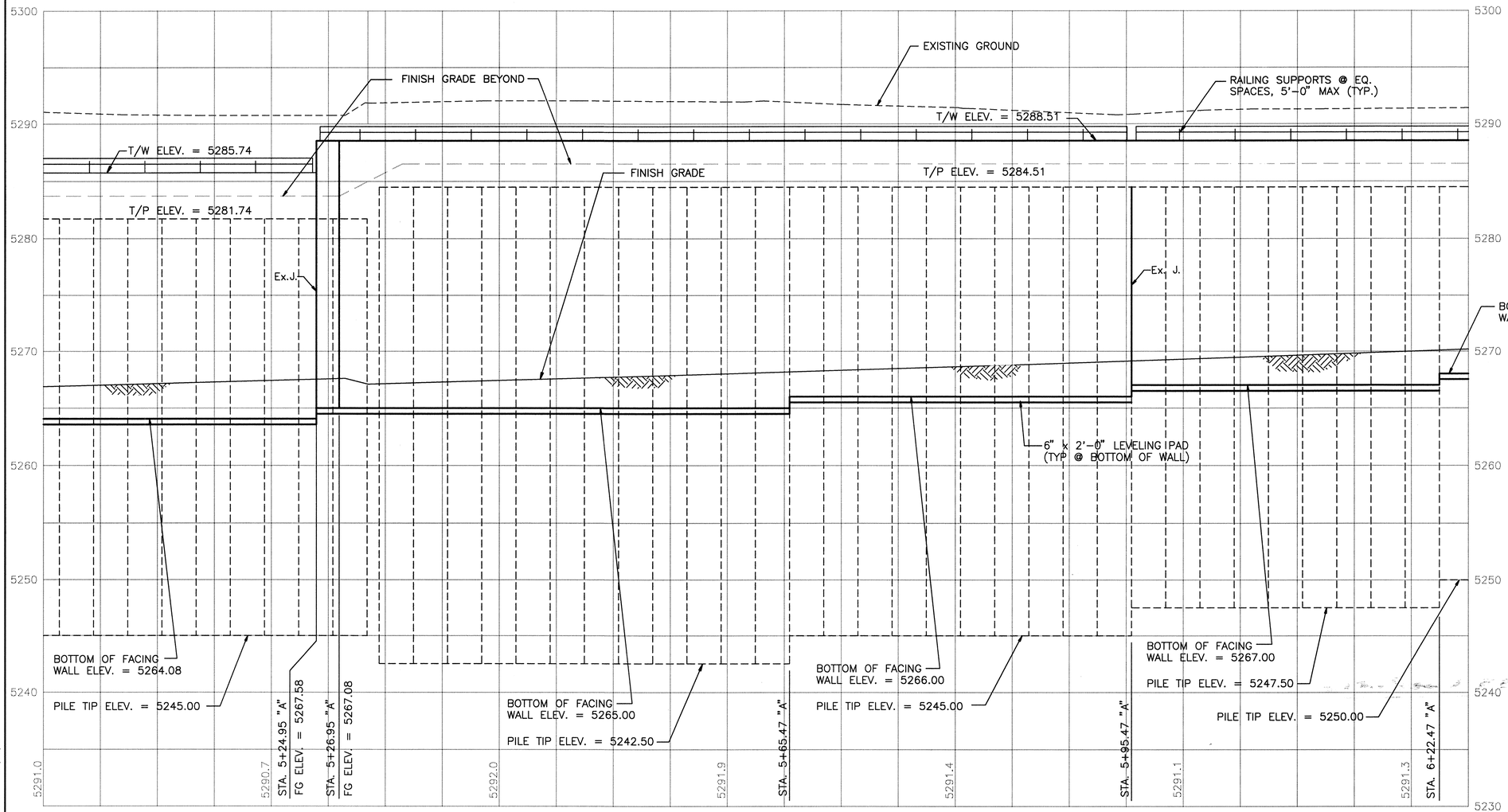
MATCHLINE STA. 5+00.00 "A" SEE SHEET 2-10

MATCHLINE STA. 6+25.00 "A" SEE SHEET 2-12



PLAN
SCALE: 1"=5'-0"



ELEVATION
SCALE: 1"=5'-0"

0 5 10
1" = 50'
GRAPHIC SCALE

w m Jones P.E

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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AS BUILT INFORMATION

	DATE
CONTRACTOR	
WORK STAKED BY	
INSPECTOR'S NOTES/MARKS BY	
FIELD VERIFICATION BY	
MARK-UPS CORRECTED BY	

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

NO.	DATE	BY

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN		
DESIGNED BY	F.O.Q.	DATE 03\20\96
DRAWN BY	T.D.S.	DATE 05\08\96
CHECKED BY	R.S.P.	DATE

26-410W/S.9/1/2098

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BLVD.

WALL "A" PLAN & ELEVATION
STA. 5+00.00 "A" TO STA.6+25.00 "A"

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
		2-11	

WALLAPP5 05\08\96 1=5'

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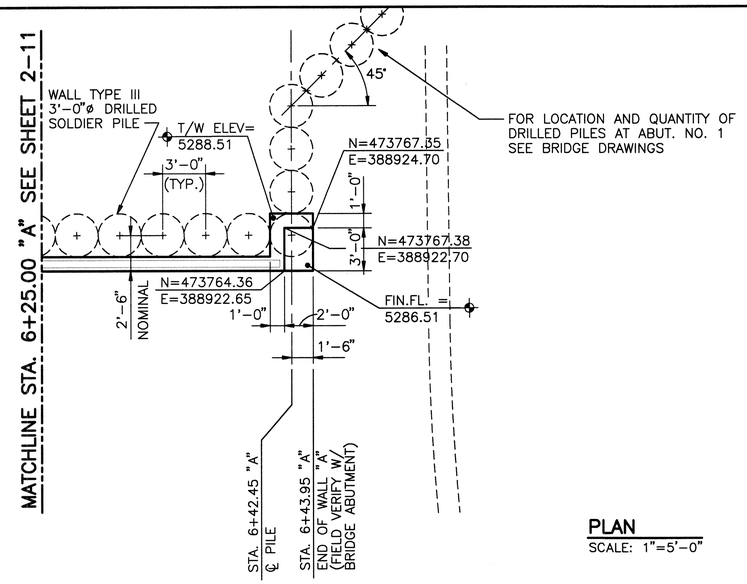
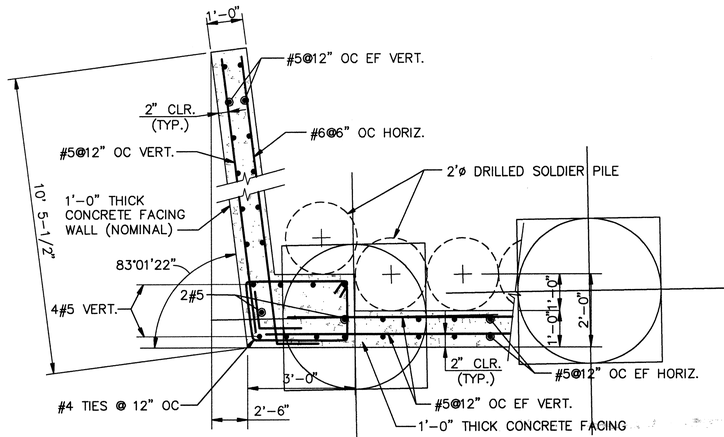
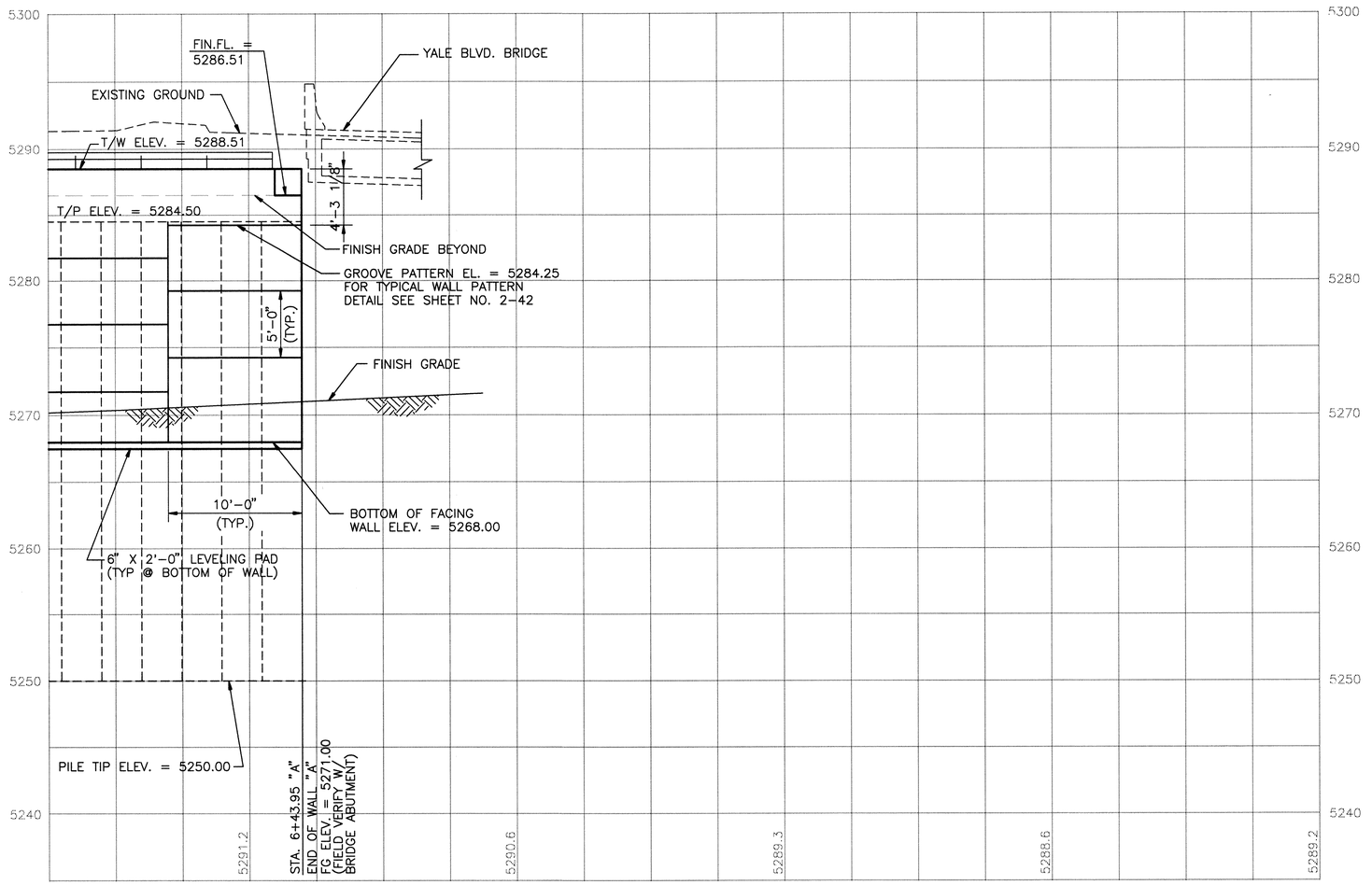


PLAN
SCALE: 1"=5'-0"



DETAIL 1
SCALE: 1/2"=1'-0"



ELEVATION
SCALE: 1"=5'-0"

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY DATE
INSPECTED BY DATE
ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

REVISIONS
NO. DATE BY REMARKS
DESIGNED BY F.O.Q. DESIGN DATE 3\20\96
DRAWN BY T.D.S. DATE 05\08\96
CHECKED BY R.S.P. DATE

2 6 9 6 6 4 9 12 18

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BLVD.

WALL "A" PLAN & ELEVATION
STA. 6+25.00 "A" TO STA.6+94.37 "A" (EOW)

wm Jones P.E.

RECORD DRAWING
DATE: 11/03/97
DRAFTED BY: O.V.
THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT. THESE DRAWINGS WERE ORIGINALLY PREPARED IN CADD FORMAT AND APPROVED FOR CONSTRUCTION BY THE CITY ENGINEER ON 5/30/96. DRAWINGS INCLUDED IN THIS SET WHICH DO NOT HAVE ORIGINAL DRC SIGNATURES HAVE BEEN MODIFIED AND REPLOTTED FOR RECORD DRAWING PURPOSES.

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. | Zone Map No. | Sheet 2-12 Of

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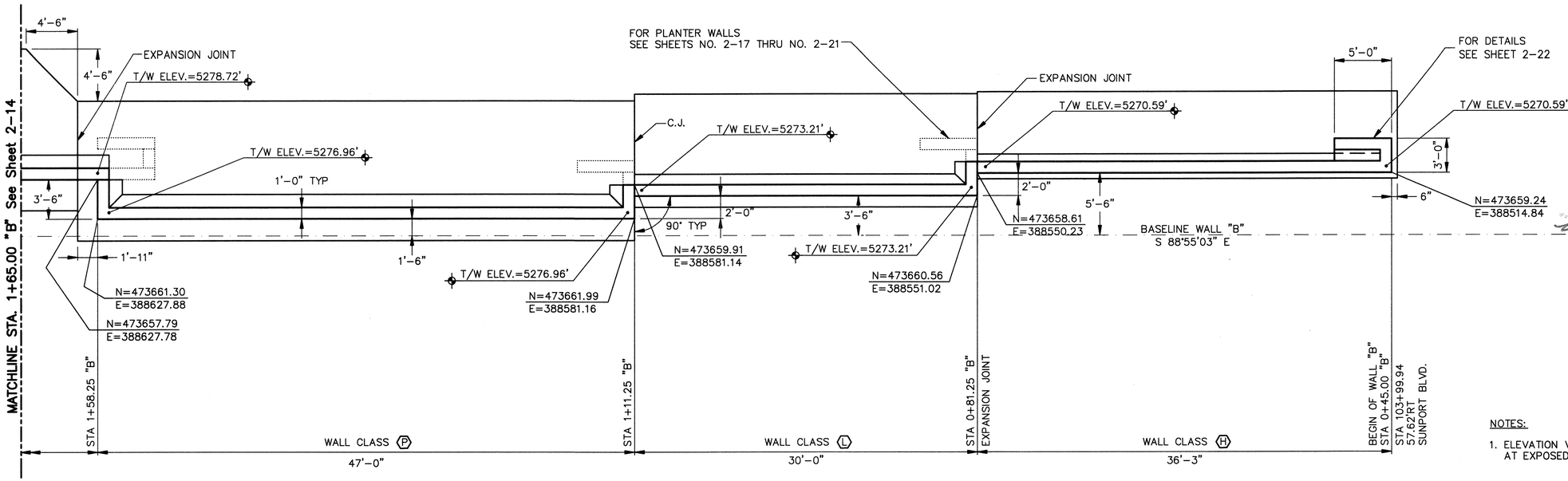
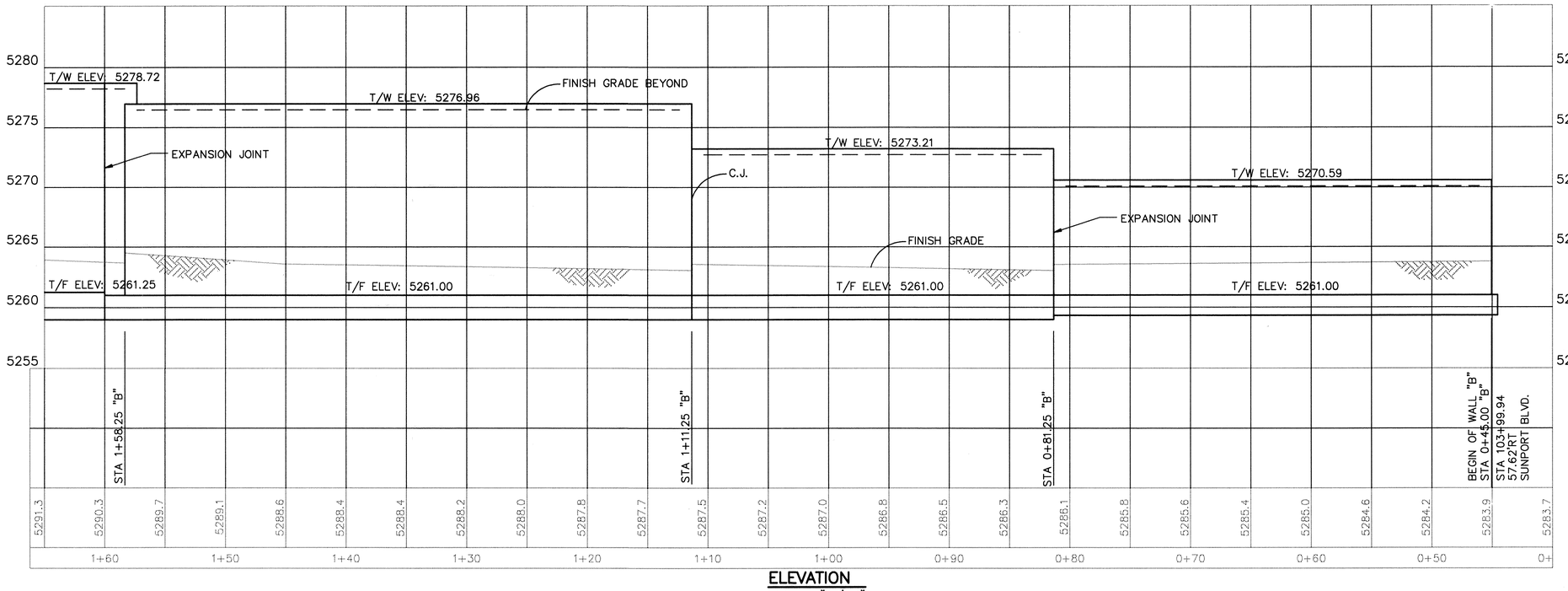
WALLAPP6 1=5' 05\22\96



PLAN
SCALE: 1"=5'-0"



ELEVATION
SCALE: 1"=5'-0"

NOTES:

1. ELEVATION VIEW IS SHOWN LOOKING SOUTH AT EXPOSED FACE OF WALL.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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0 5 10
1" = 5'
GRAPHIC SCALE

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
INSPECTED BY — DATE
ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

ENGINEER'S SEAL

REVISIONS
NO. | DATE | REMARKS | BY
DESIGNED BY RSP — DATE
DRAWN BY RJA — DATE 05\08\96
CHECKED BY FOQ — DATE

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BLVD.

WALL "B" PLAN & ELEVATION
STA. 0+45.00 "B" (BOW) to STA. 1+65.00 "B"

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
		2-13	

05\22\96
WALLBPP1.DWG

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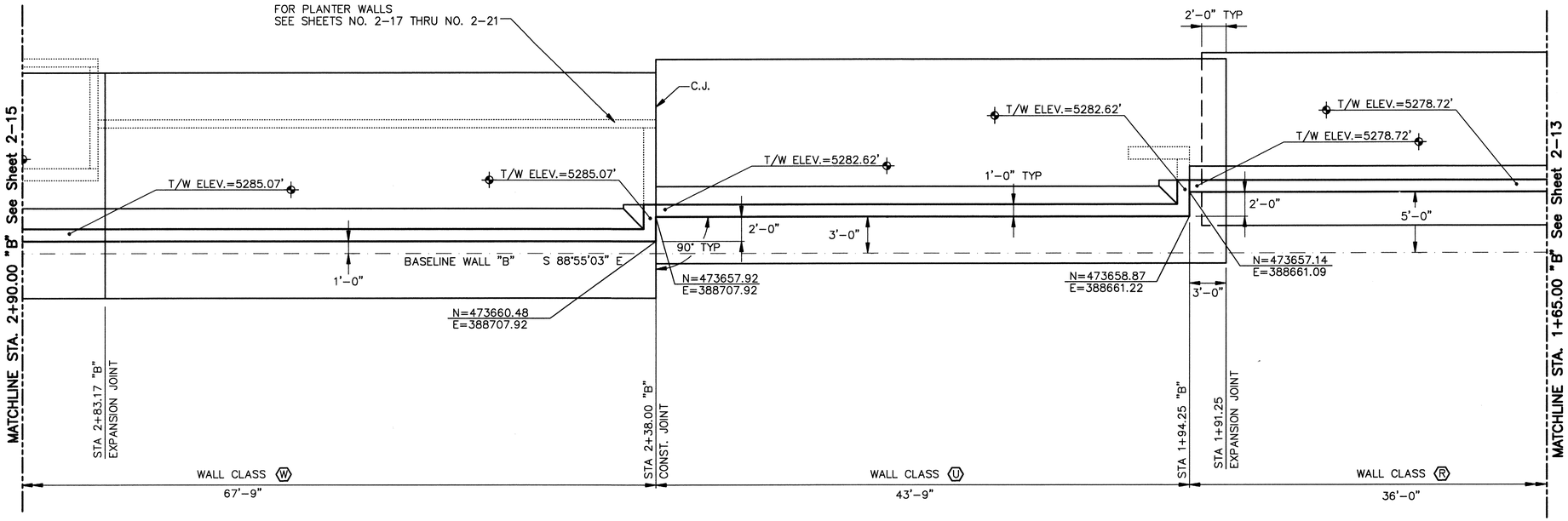
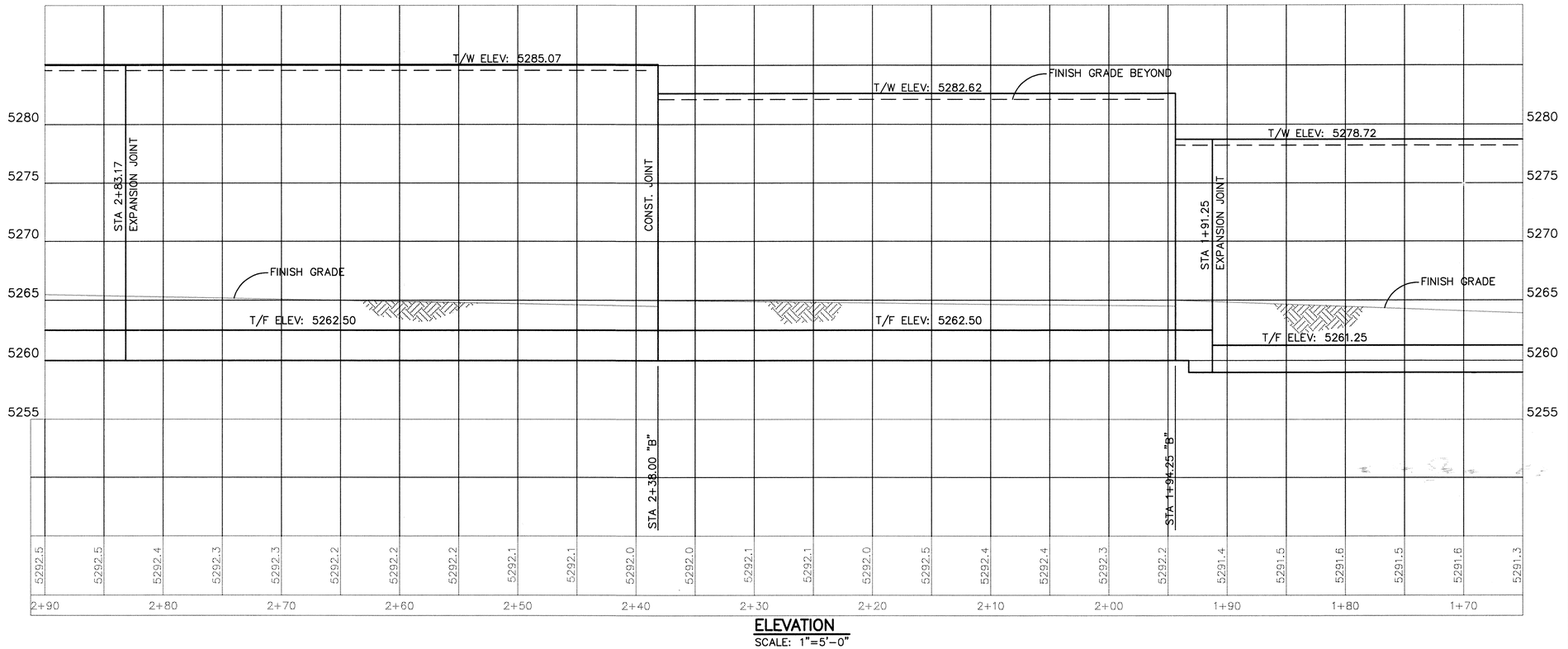


PLAN
SCALE: 1"=5'-0"



ELEVATION
SCALE: 1"=5'-0"

NOTES:

1. ELEVATION VIEW IS SHOWN LOOKING SOUTH AT EXPOSED FACE OF WALL.

216-4644 911 2398

wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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AS BUILT INFORMATION
CONTRACTOR
STAKED BY DATE
INSPECTOR'S
LOCATIONS BY DATE
FIELD
VERIFICATION BY DATE
DRAWINGS
CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

REVISIONS
NO. DATE BY REMARKS
DESIGNED BY RSP DESIGN DATE
DRAWN BY RJA DATE 05\08\96
CHECKED BY FOQ DATE

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BLVD.

WALL "B" PLAN & ELEVATION
STA. 1+65.00 "B" to STA. 2+90.00 "B"

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. | Zone Map No. | Sheet 2-14 Of

05\22\96
WALLBPP2.DWG

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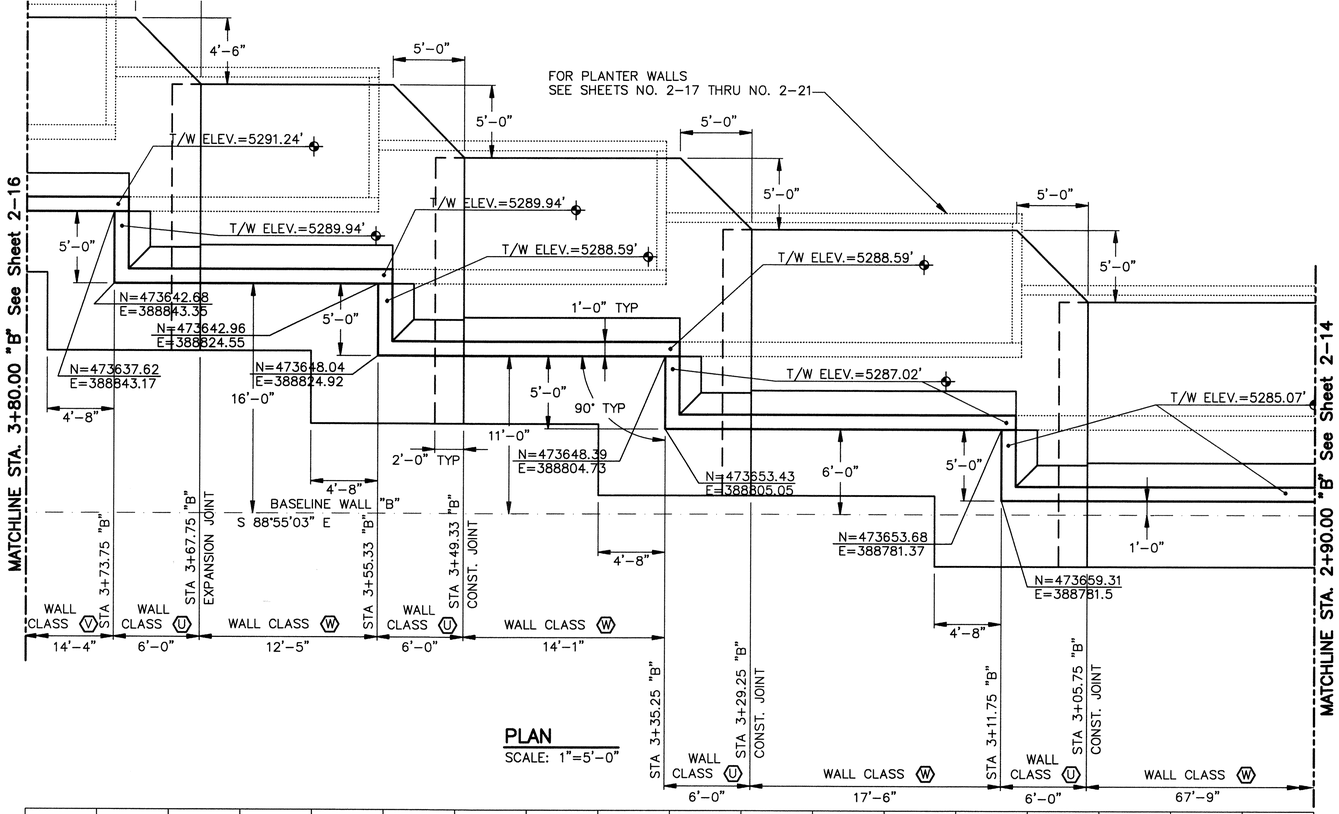
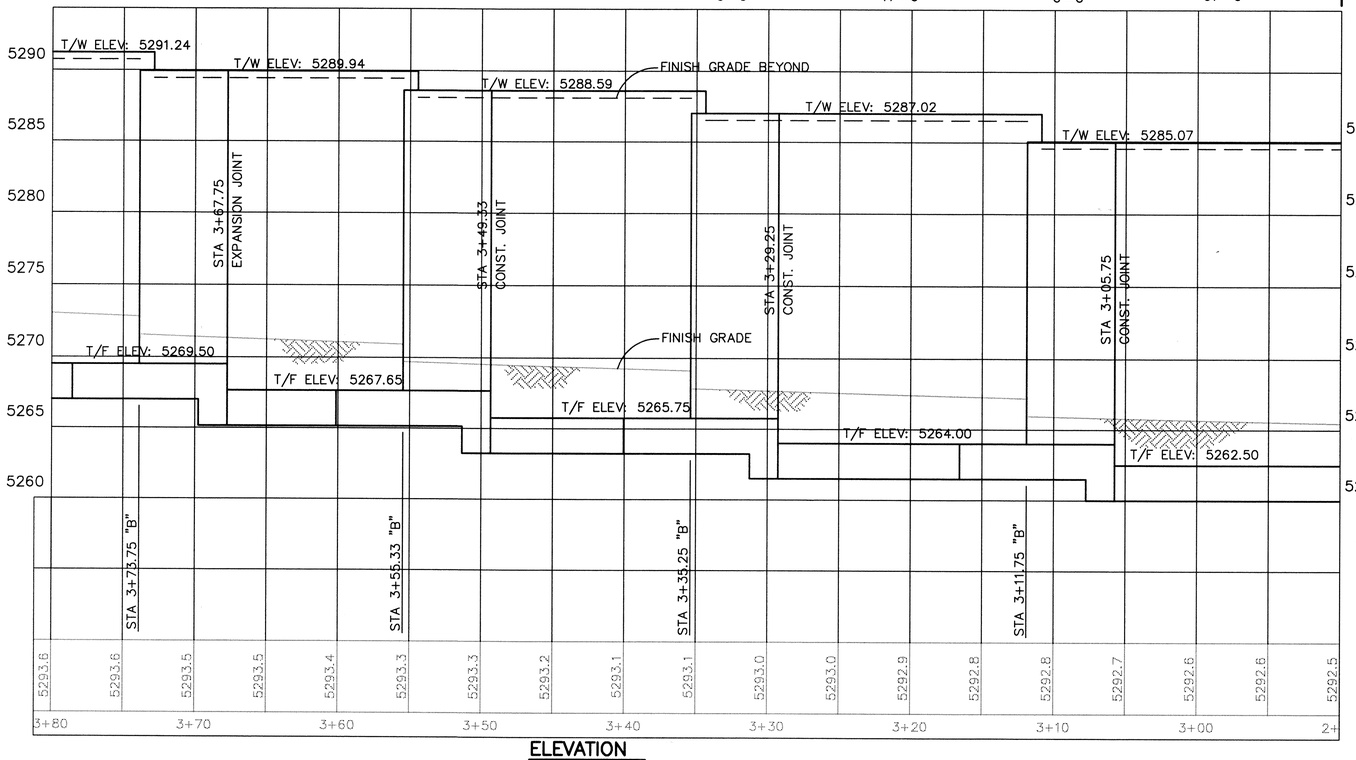


PLAN
SCALE: 1"=5'-0"



ELEVATION
SCALE: 1"=5'-0"

NOTES:

1. ELEVATION VIEW IS SHOWN LOOKING SOUTH AT EXPOSED FACE OF WALL.

0 5 10
1" = 5'
GRAPHIC SCALE

W M Jones P.E

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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AS BUILT INFORMATION

BENCH MARKS	
CONTRACTOR	
NAME	
STAKED BY	DATE
INSPECTOR'S	
ACCEPTANCE BY	DATE
FIELD	
VERIFICATION BY	DATE
DRAWINGS	
CORRECTED BY	DATE

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY

REVISIONS
DESIGN DATE
DESIGNED BY RSP DATE
DRAWN BY RJA DATE 05\08\96
CHECKED BY FOQ DATE

21-4101A49.19A1-2498

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BLVD.

WALL "B" PLAN & ELEVATION
STA. 2+90.00 "B" to STA. 3+80.00 "B"

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. | Zone Map No. | Sheet 2-15 Of

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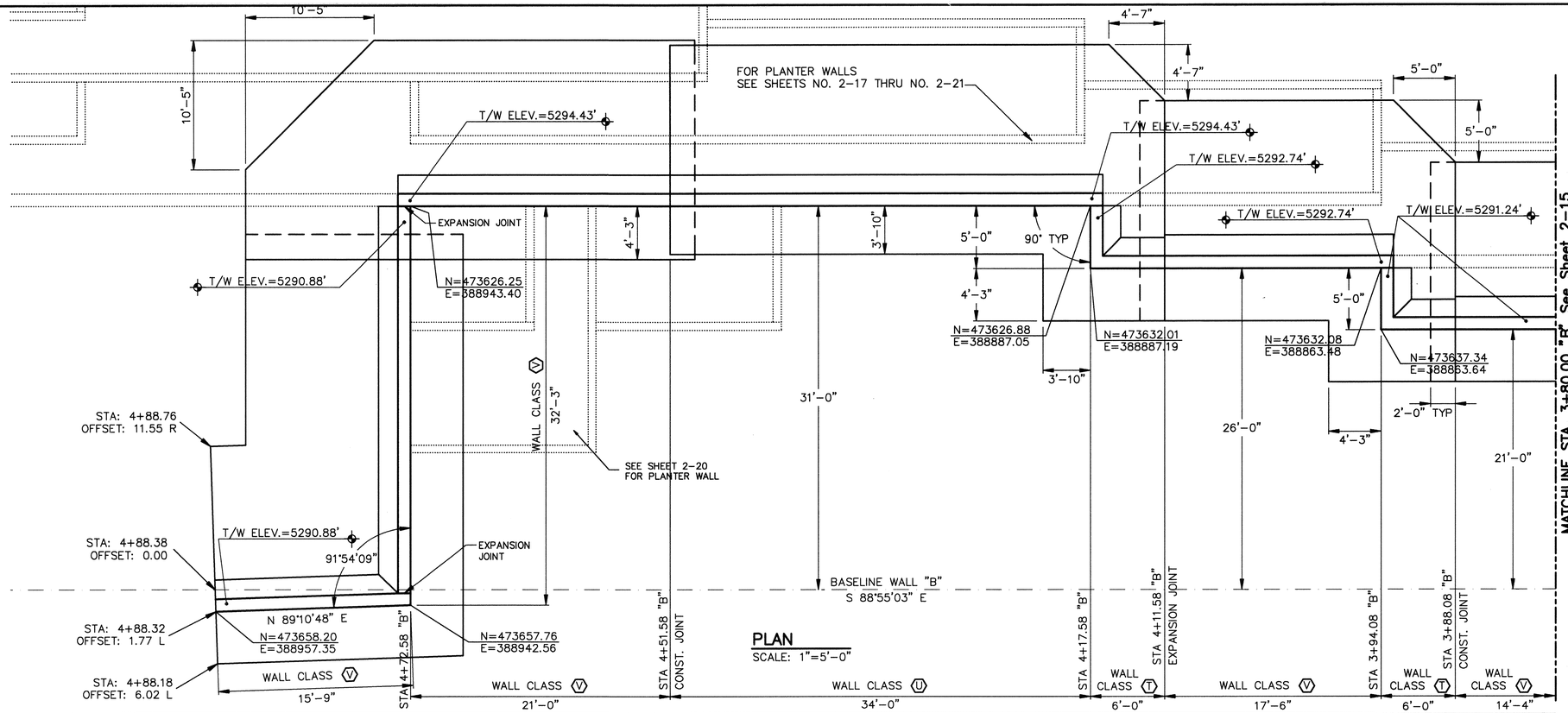
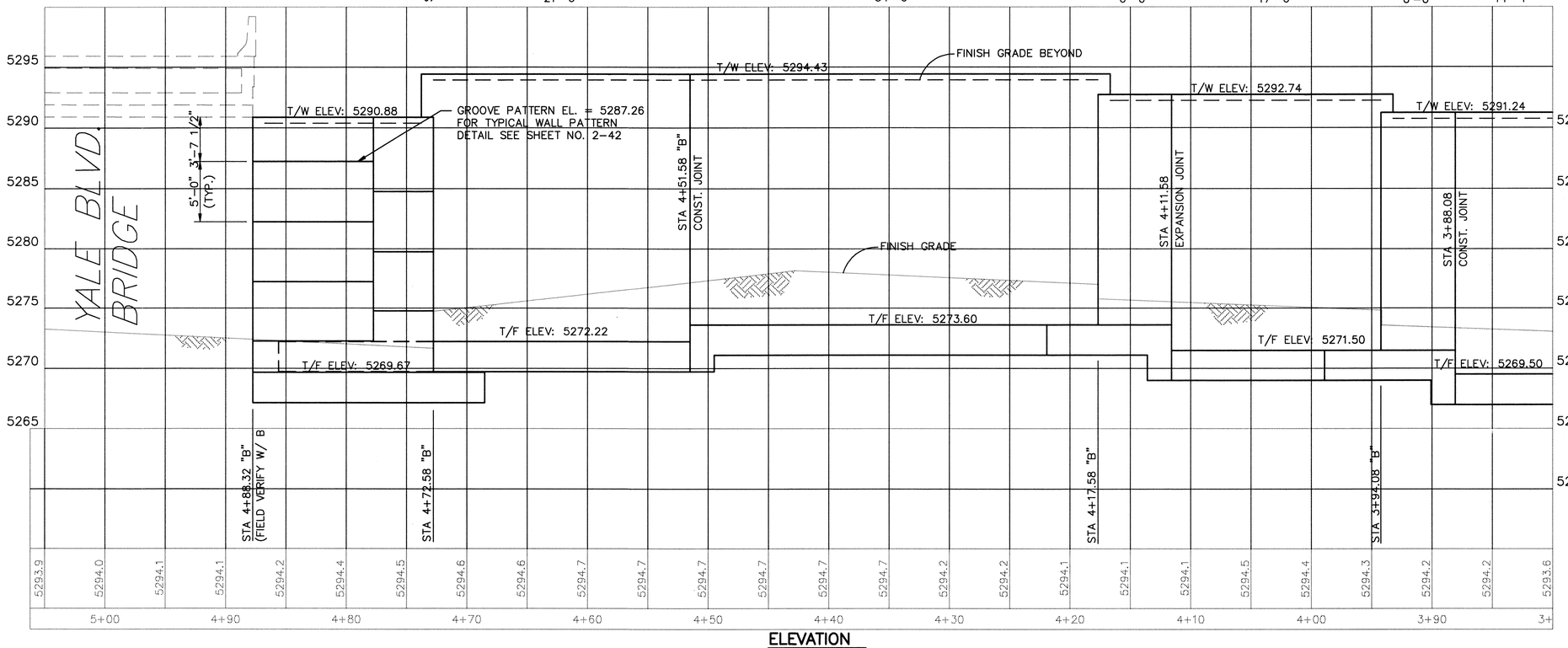
WALLBPP3.DWG



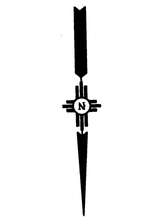
PLAN
SCALE: 1"=5'-0"



ELEVATION
SCALE: 1"=5'-0"

NOTES:

1. ELEVATION VIEW IS SHOWN LOOKING SOUTH AT EXPOSED FACE OF WALL.



W M Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
FINAL INSPECTION
ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

SEAL

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	DATE
DESIGNED BY	RSP		DATE 05\08\96
DRAWN BY	RJA		DATE
CHECKED BY	FOQ		

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BLVD.

WALL "B" PLAN & ELEVATION
STA. 3+80.00 "B" to STA. 4+88.32 "B" (EOW)

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. | Zone Map No. | Sheet 2-16 Of

05\22\96
WALLBPP4.DWG

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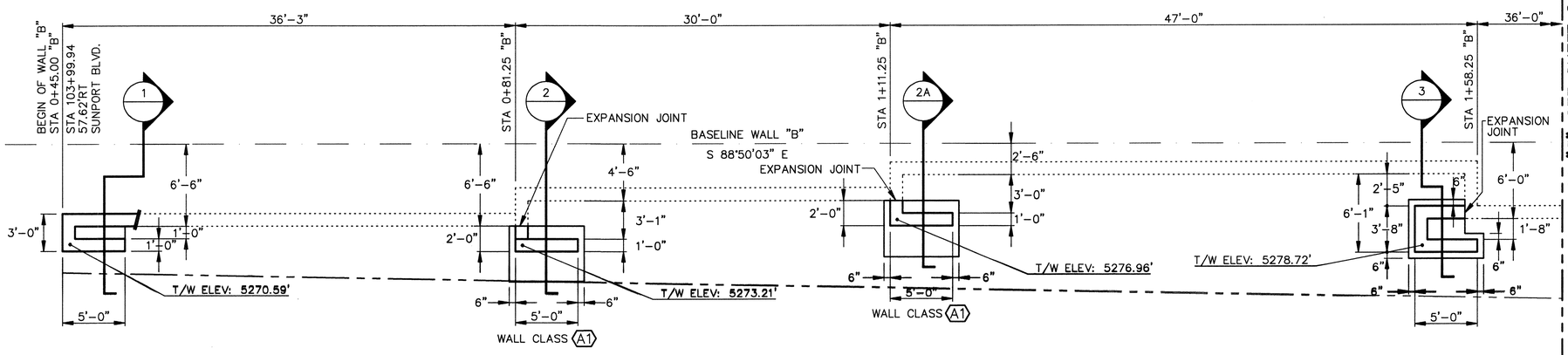
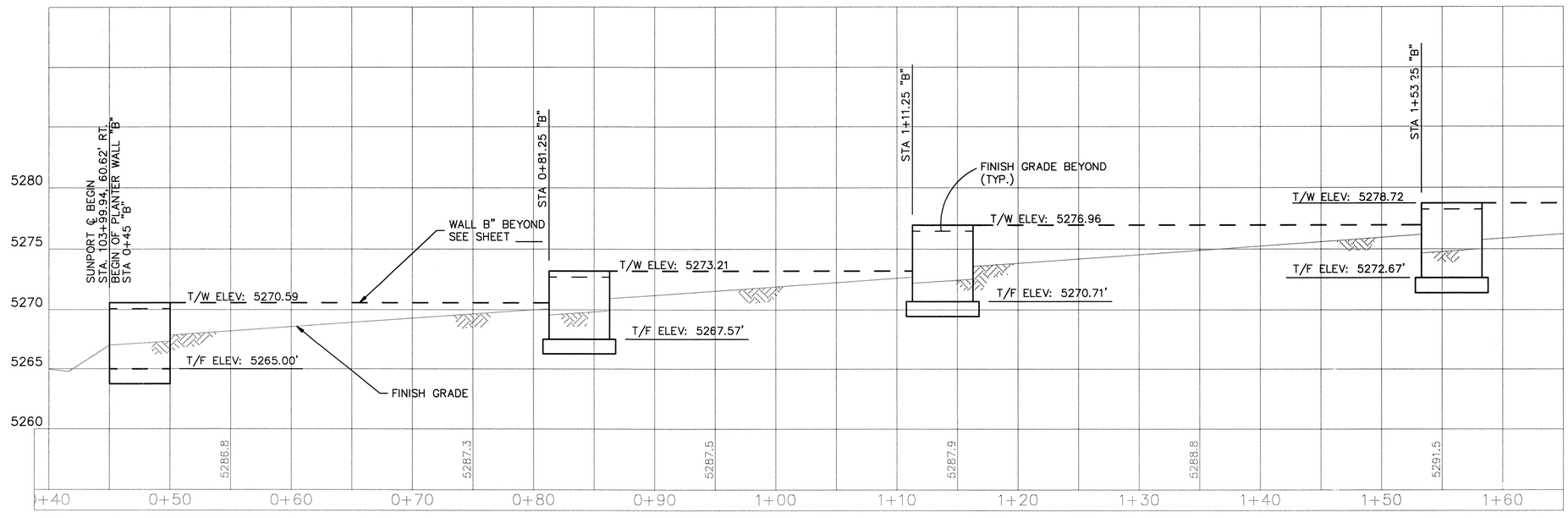


NOTE: FOR WALL SECTIONS & REINFORCEMENT DETAILS SEE SHEET 2-22

PLAN
SCALE: 1"=5'-0"



ELEVATION
SCALE: 1"=5'-0"

0 5 10
1" = 5'
GRAPHIC SCALE

AS BUILT INFORMATION
CONTRACTOR
STAKED BY DATE
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
WORK MARKED CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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NO. DATE BY REMARKS
REVISIONS
DESIGNED BY RSP DATE
DRAWN BY RJA DATE
CHECKED BY FOQ DATE

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BLVD.

WALL "B" – PLANTER WALLS
PLAN & ELEVATION
STA. 0+45.00 "B" (BOW) to 1+65.00 "B"

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. | Zone Map No. | Sheet 2–17 Of

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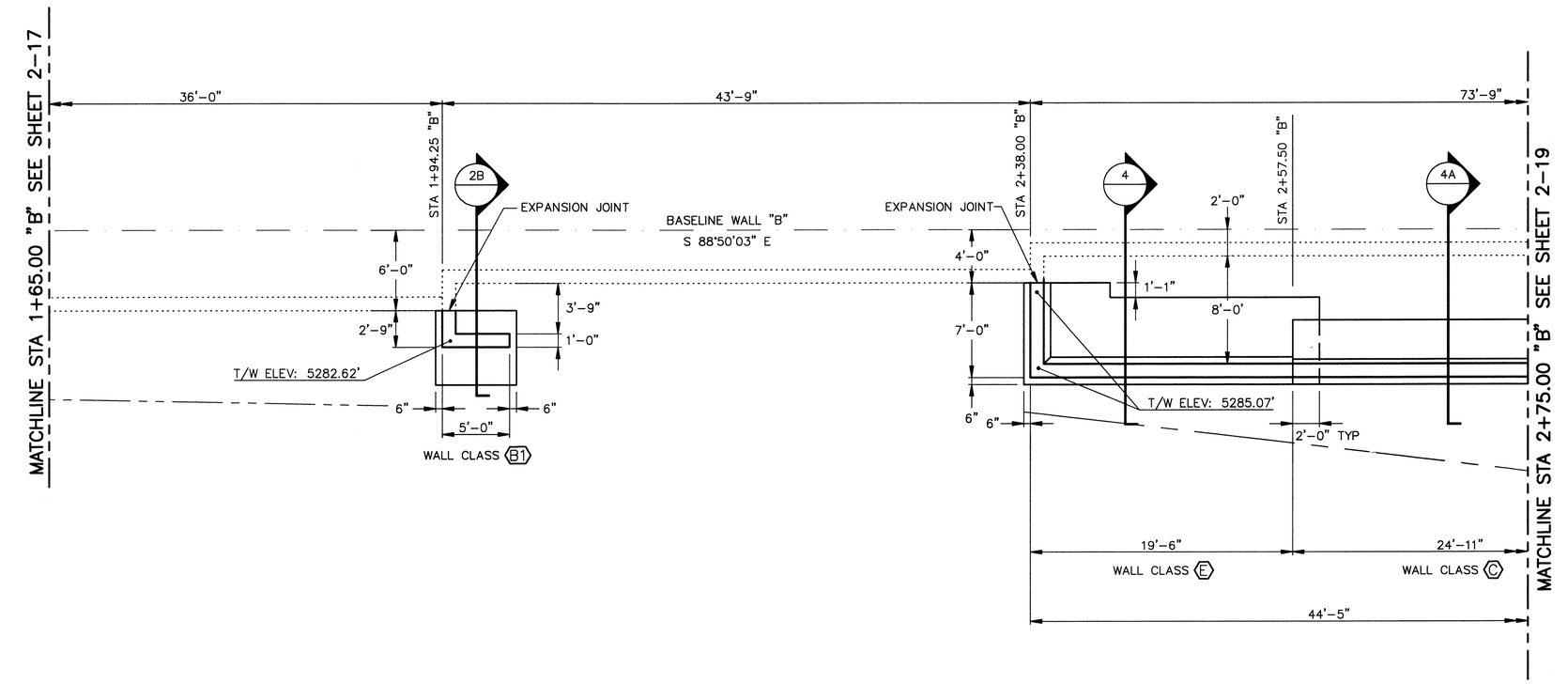
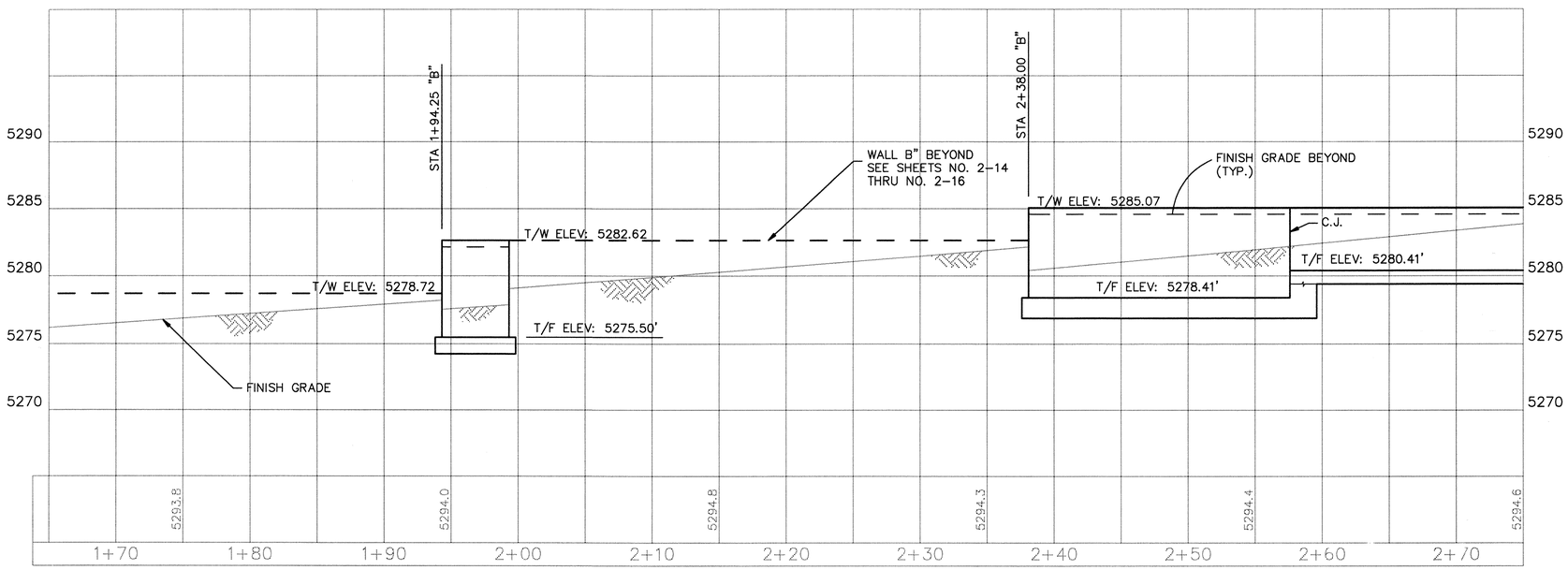
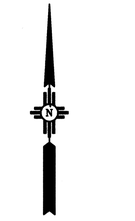


NOTE: FOR WALL SECTIONS & REINFORCEMENT DETAILS SEE SHEET 2-22

PLAN
SCALE: 1"=5'-0"



ELEVATION
SCALE: 1"=5'-0"



Wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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AS BUILT INFORMATION

CONTRACTOR STAKED BY — DATE
INSPECTOR'S ADDITIONS BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

BENCH MARKS

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY

DESIGNED BY RSP — DATE
DRAWN BY RJA — DATE
CHECKED BY FOQ — DATE

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **SUNPORT BLVD.**

WALL "B" – PLANTER WALLS
PLAN & ELEVATION
STA. 1+65.00 "B" to 2+75.00 "B"

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. | Zone Map No. | Sheet 2-18 Of

C:\OPEC\PLNTBPP2.dwg 5/22/96

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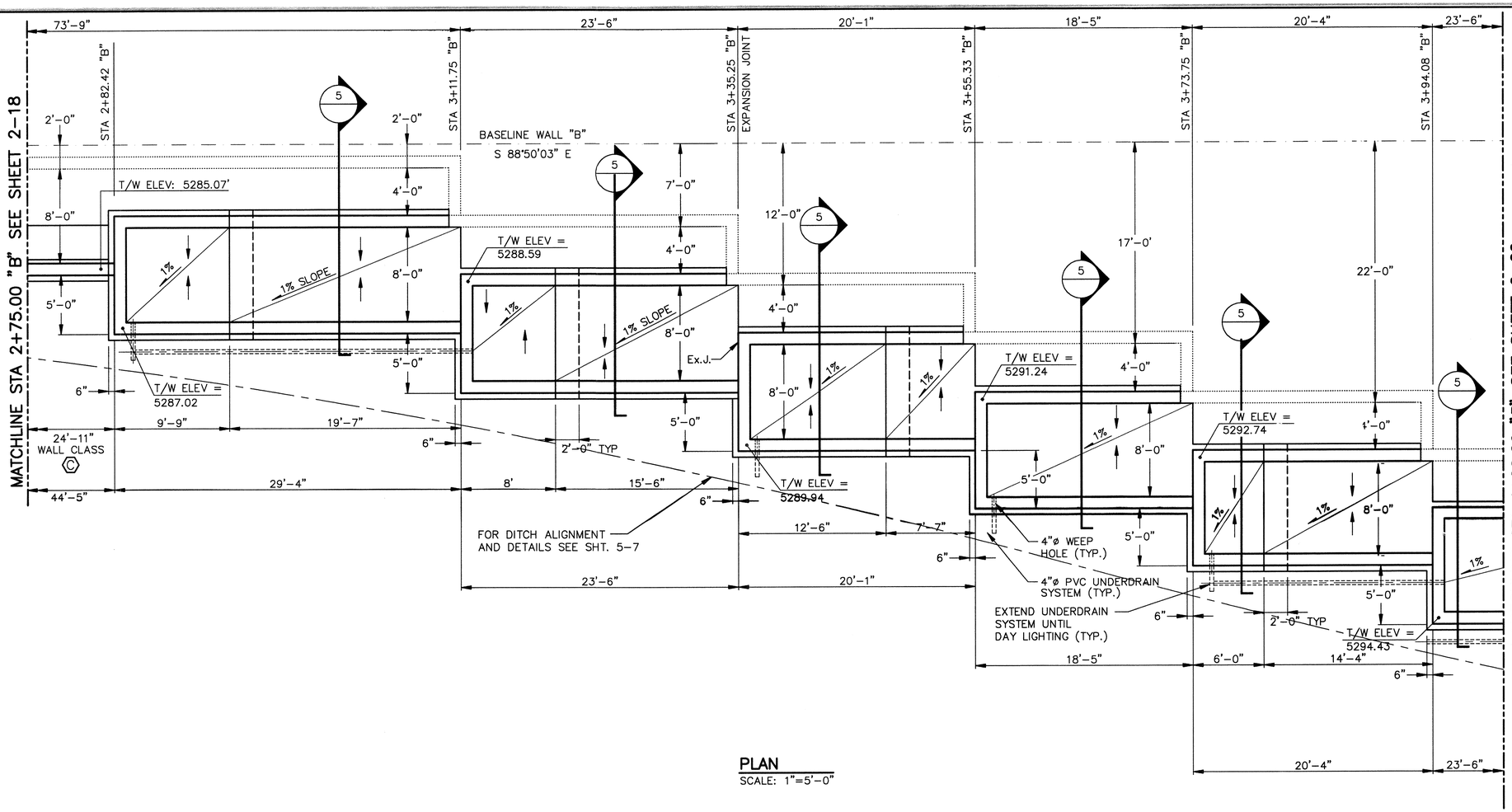
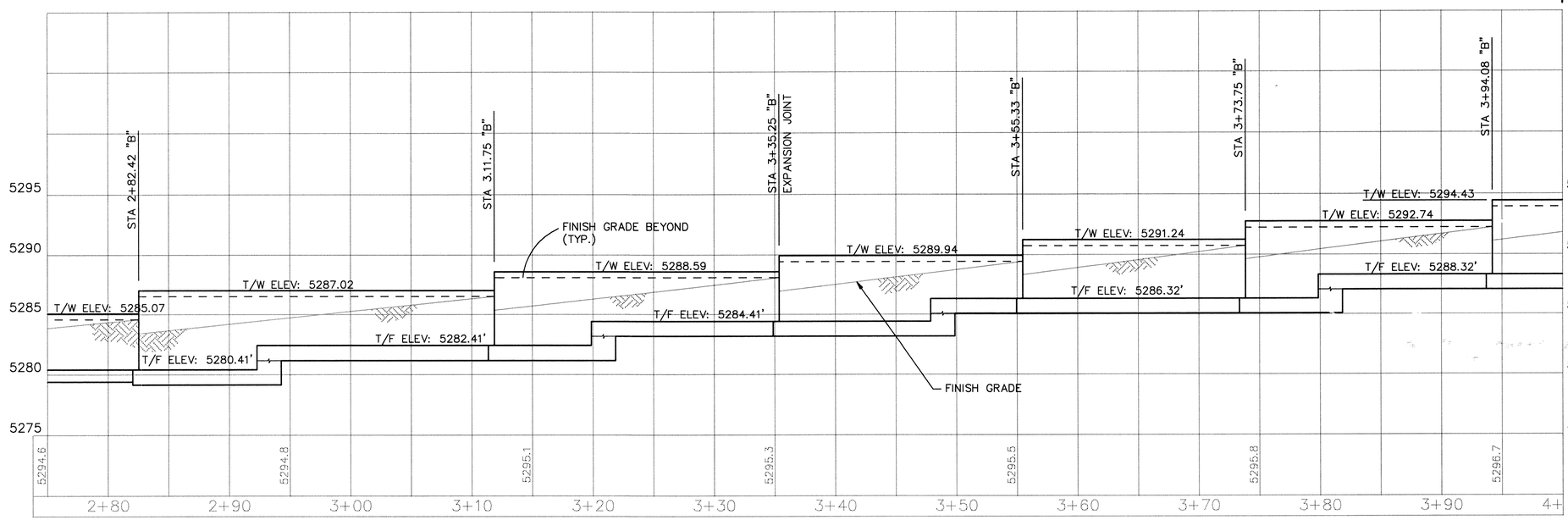


PLAN
SCALE: 1"=5'-0"



ELEVATION
SCALE: 1"=5'-0"

NOTE: 1. FOR WALL SECTIONS & REINFORCEMENT DETAILS SEE SHEET 2-22.

2. FOR IRRIGATION SLEEVE LOCATIONS SEE IRRIGATION PLANS. SLEEVES WERE CAST IN THE WALL. NO CORE DRILLING OR CUTTING WAS ALLOWED

W M Jones P.E.

RECORD DRAWING

DATE: 11/03/97	DRAFTED BY: O.V.

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N

0 5 10
1" = 5'
GRAPHIC SCALE

AS BUILT INFORMATION
CONTRACTOR — DATE
WORK STAKED BY — DATE
INSPECTOR'S AUTOGRAPH BY — DATE
FIELD VERIFICATION BY — DATE
DRAWING CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES BY — DATE
NO.

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY
		DESIGN	

DESIGNED BY RSP DATE
DRAWN BY RJA DATE 05\08\96
CHECKED BY FOQ DATE

2 3 4 5 6 7 8 9 10 11 12 13 14 15
21-4641.91 2888

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BLVD.

WALL "B" – PLANTER WALLS
PLAN & ELEVATION
STA. 2+75.00 "B" to 4+00.00 "B"

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
		2-19	

05\08\96
PLNTBPP3.DWG

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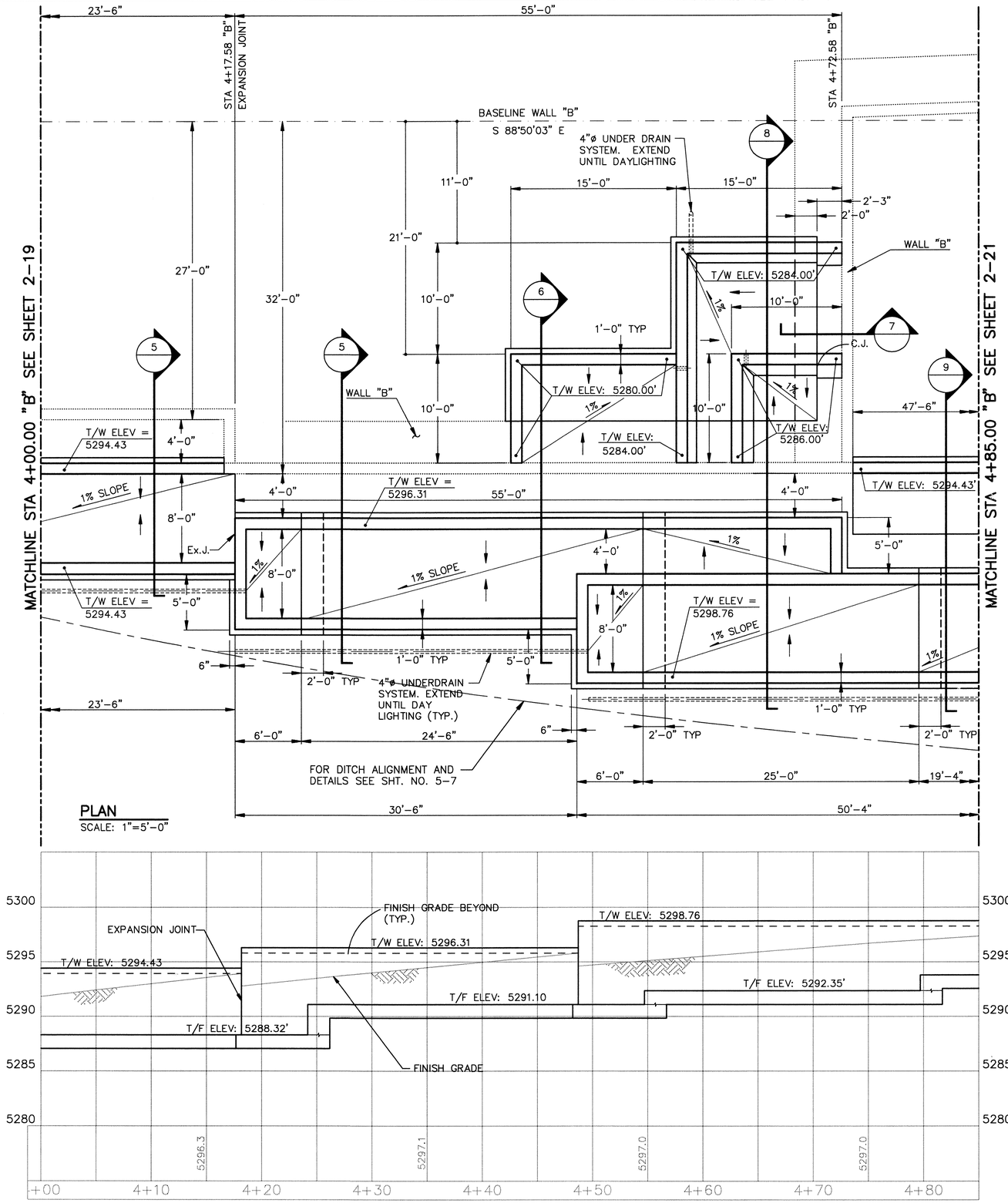

NOTE: FOR WALL SECTIONS & REINFORCEMENT DETAILS SEE SHEETS 2-22 AND 2-23

0 5 10
1" = 5'
GRAPHIC SCALE

AS BUILT INFORMATION
CONTRACTOR
STAKED BY DATE
INSPECTOR'S CUTSHEETS BY DATE
FIELD VERIFICATION BY DATE
AS-BUILTS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

REVISIONS
NO. DATE REMARKS BY
DESIGN DATE 05\08\96
DESIGNED BY RSP
DRAWN BY RJA DATE 05\08\96
CHECKED BY FOQ

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BLVD.

WALL "B" – PLANTER WALLS
PLAN & ELEVATION
STA. 4+00.00 "B" to 4+85.00 "B"

Wm Jones P.E.

RECORD DRAWING

DATE: mm/dd/yy	DRAFTED BY: O.V.

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Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
		2-20	

05\22\96
PLNTBPP4.DWG

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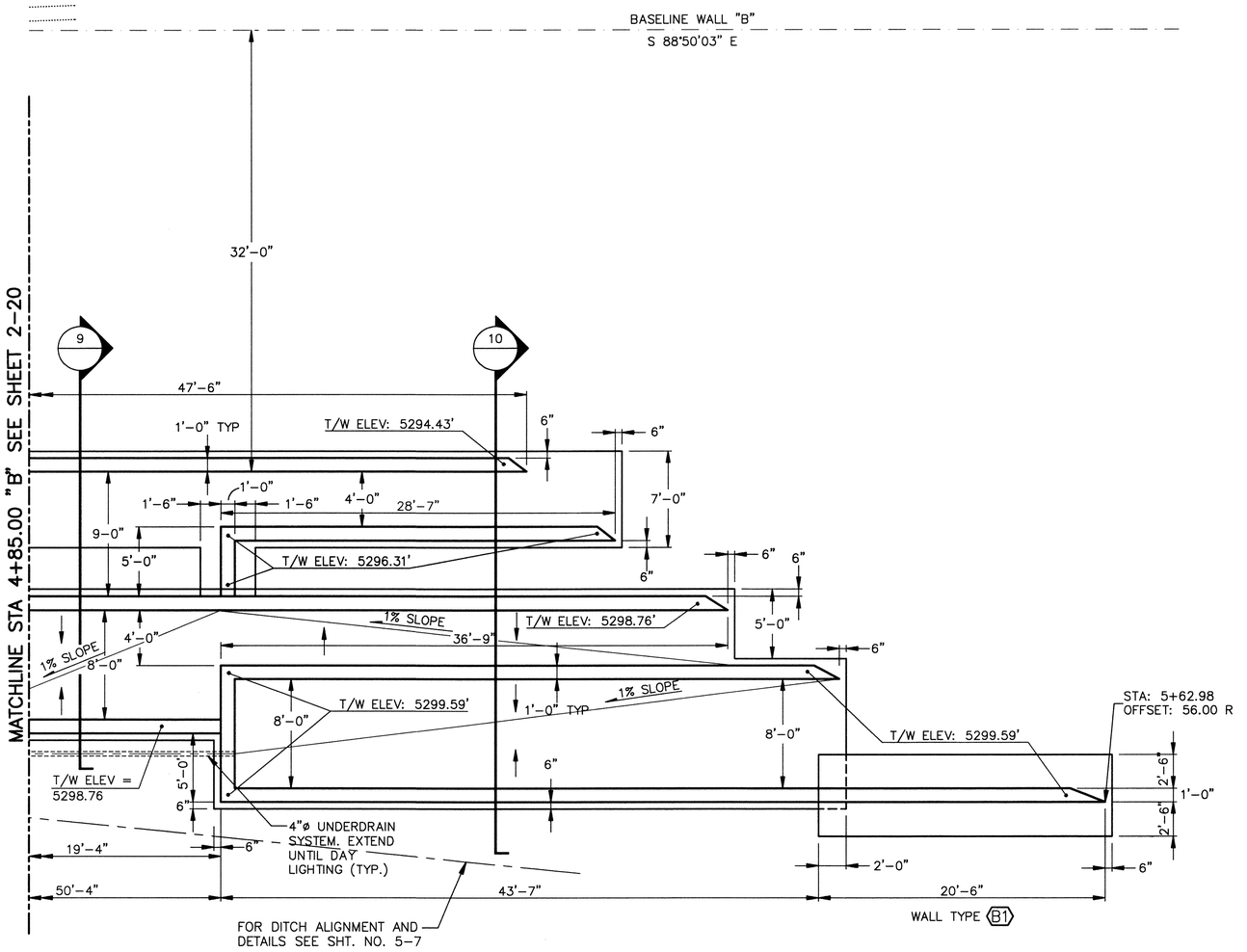
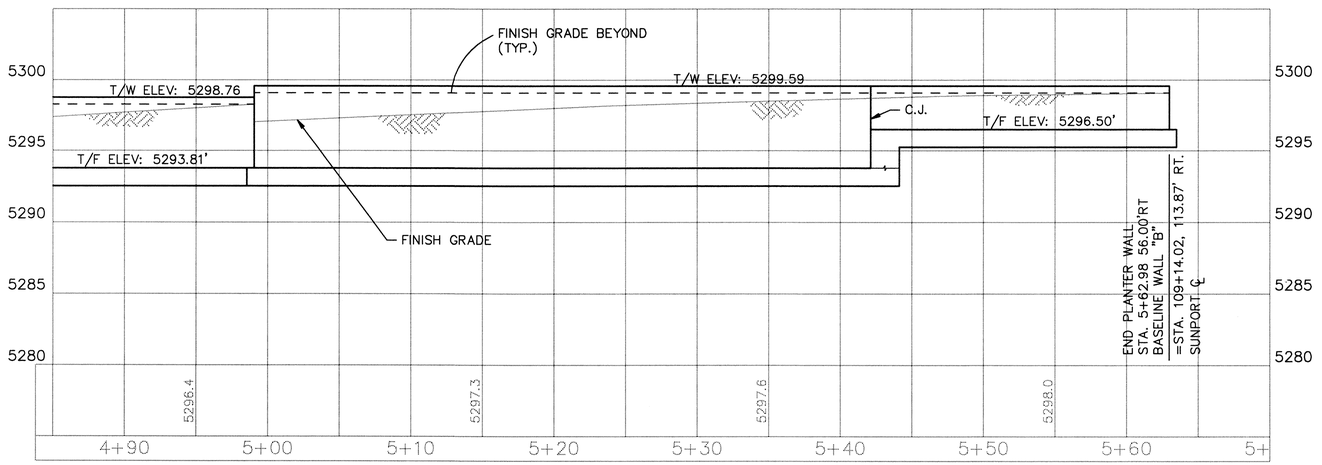


PLAN
SCALE: 1"=5'-0"



ELEVATION
SCALE: 1"=5'-0"

NOTE: FOR WALL SECTIONS & REINFORCEMENT DETAILS SEE SHEET 2-23

W M Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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N

0 5 10
1" = 5'
GRAPHIC SCALE

AS BUILT INFORMATION
CONTRACTOR
STAKED BY DATE
INSPECTION'S BY DATE
ADDITIONS BY FIELD DATE
VERIFICATION BY DATE
INFORMATION BY DATE
CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

REVISIONS
NO. DATE REMARKS BY
DESIGNED BY RSP DATE 05\08\96
DRAWN BY RJA DATE
CHECKED BY FOQ DATE

26-M0144.01 30198

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BLVD.

WALL "B" – PLANTER WALLS
PLAN & ELEVATION
STA. 4+85.00 "B" to STA. 5+62.98 "B" (EOW)

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
		2-21	

05\22\96
PLNTBP25.DWG

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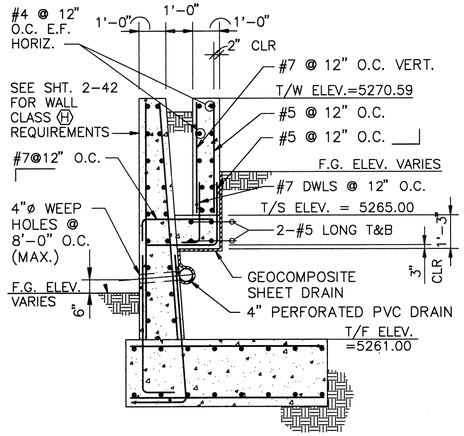
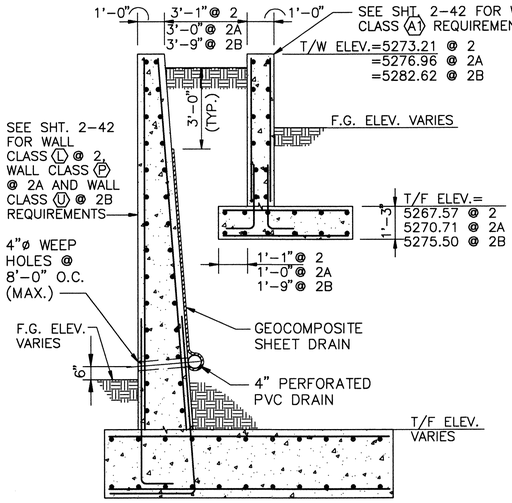
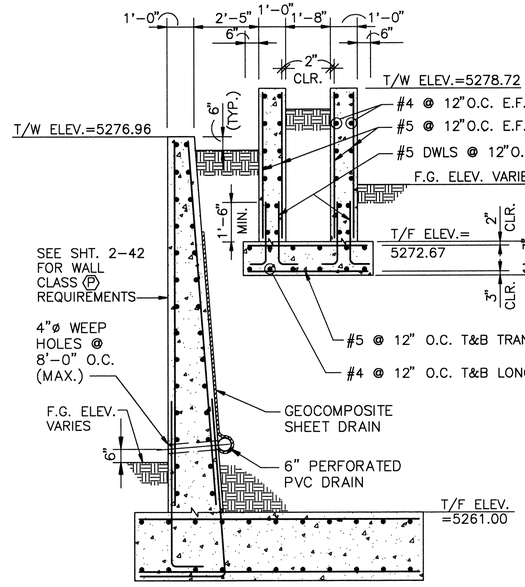


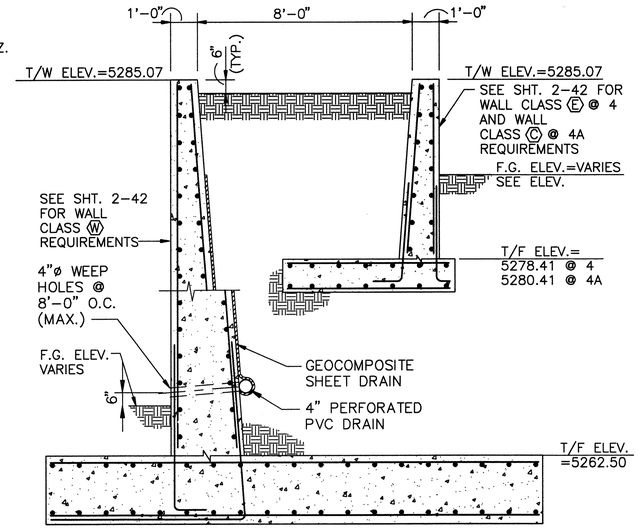
1 SECTION
SCALE: 3/8"=1'-0"



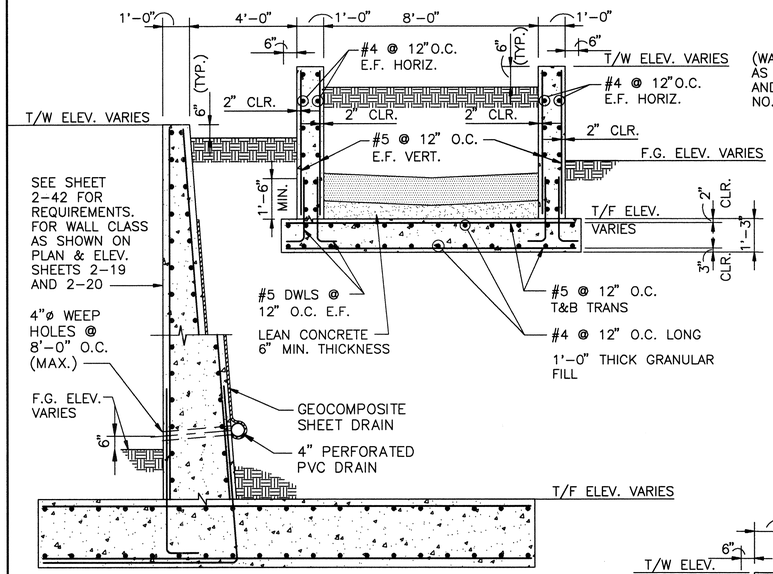
2 2A 2B SECTION
SCALE: 3/8"=1'-0"



3 SECTION
SCALE: 3/8"=1'-0"

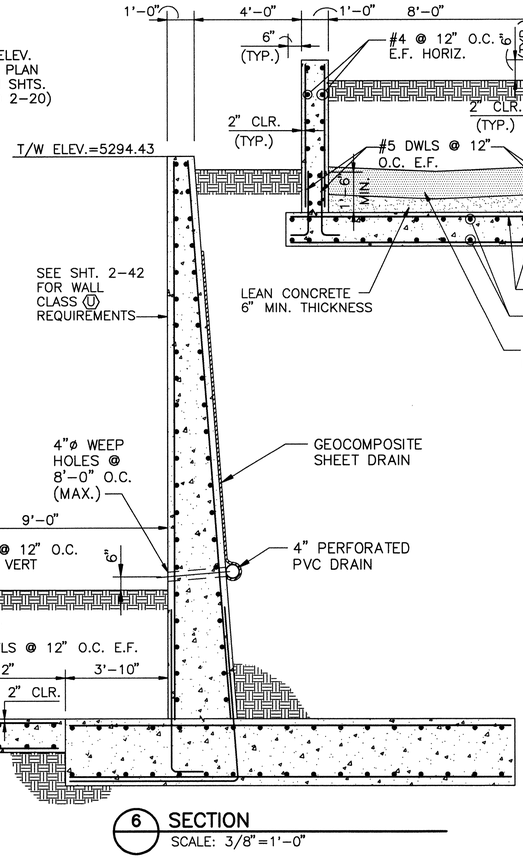


4 4A SECTION
SCALE: 3/8"=1'-0"

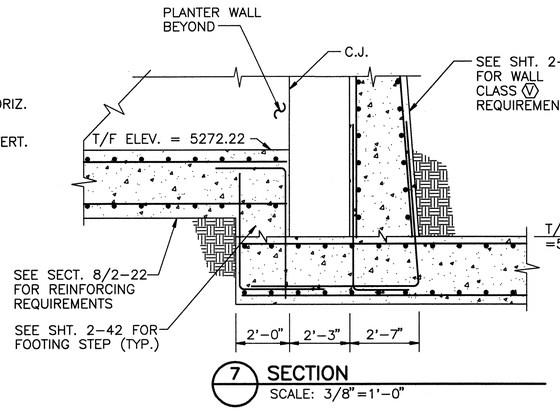


5 SECTION
SCALE: 3/8"=1'-0"

(WALL & FTG ELEV. AS SHOWN ON PLAN AND ELEVATION SHTS. NO. 2-19 AND 2-20)



6 SECTION
SCALE: 3/8"=1'-0"



7 SECTION
SCALE: 3/8"=1'-0"

NOTES:

1. FOR SECTION CUT LOCATIONS SEE PLAN AND ELEVATION SHEETS NO. 2-17 THRU 2-20

Wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT. THESE DRAWINGS WERE ORIGINALLY PREPARED IN CADD FORMAT AND APPROVED FOR CONSTRUCTION BY THE CITY ENGINEER ON 5/30/96. DRAWINGS INCLUDED IN THIS SET WHICH DO NOT HAVE ORIGINAL DRC SIGNATURES HAVE BEEN MODIFIED AND REPLOTTED FOR RECORD DRAWING PURPOSES.

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY DATE
INSPECTOR'S NOTES BY DATE
FIELD VERIFICATION BY DATE
DRAWING CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. DATE BY

ENGINEER'S SEAL

REVISIONS
NO. DATE REMARKS BY
DESIGN DATE
DESIGNED BY RSP
DRAWN BY CAM DATE
CHECKED BY FOQ DATE

2G-40H19.9V1 3198

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BLVD

WALL "B" SECTIONS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. | Zone Map No. | Sheet 2-22 Of

B-DETS-1.DWG 1=32 5\22\96

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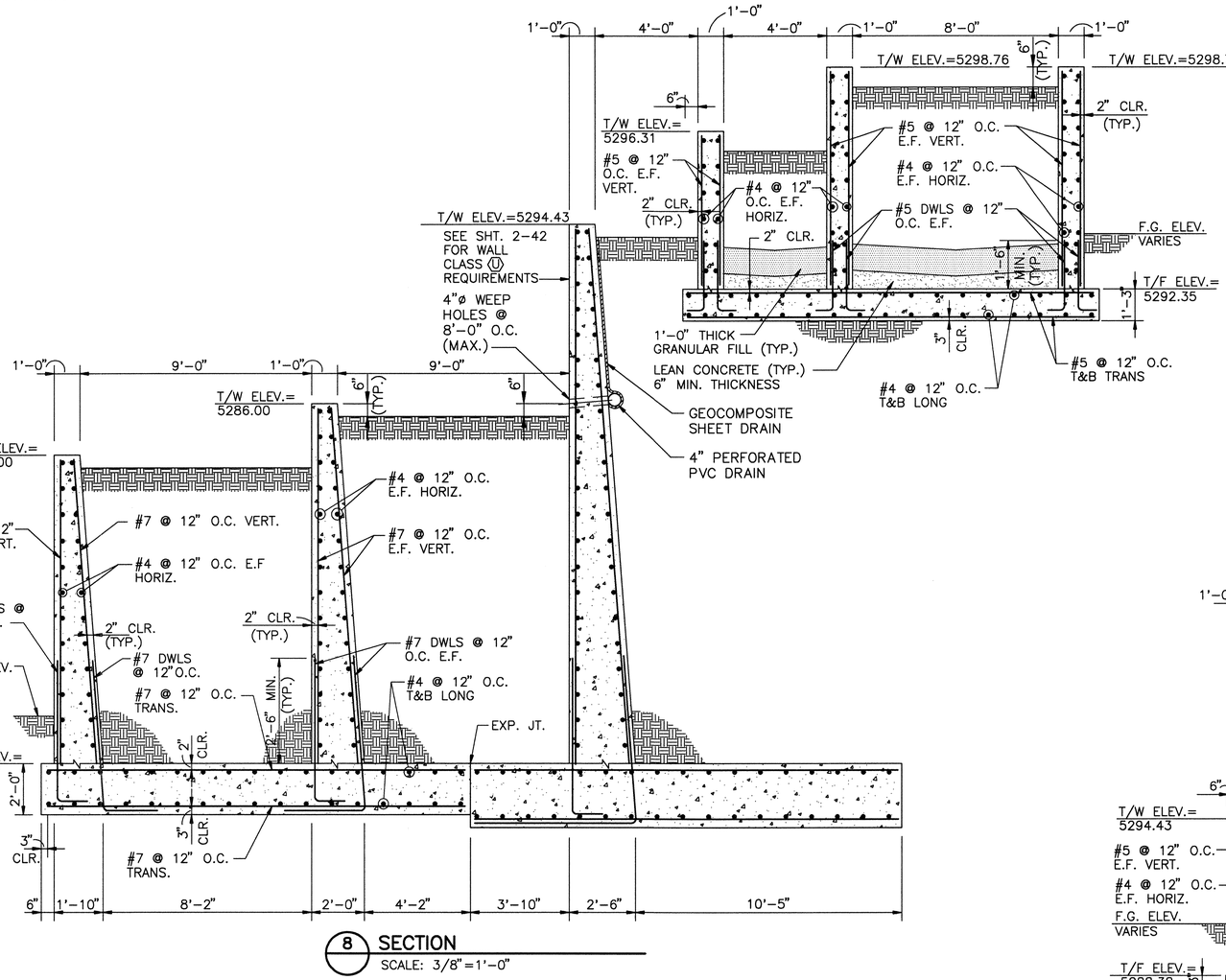

8 SECTION
SCALE: 3/8"=1'-0"

9 SECTION
SCALE: 3/8"=1'-0"

10 SECTION
SCALE: 3/8"=1'-0"

NOTE:

1. FOR SECTION CUT LOCATIONS SEE PLAN & ELEVATION SHEETS NO. 2-20 AND 2-21

wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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AS BUILT INFORMATION

CONTRACTOR	
STAKED BY	DATE
INSPECTOR'S	
AS-STAKES BY	DATE
FIELD	
VERIFICATION BY	DATE
REMARKS	
CORRECTED BY	DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

SURVEY INFORMATION

NO.	FIELD NOTES BY	DATE

ENGINEER'S SEAL

NO.	REVISIONS / REMARKS	DATE	BY
DESIGN		MON DA, 199X	
DESIGNED BY	RSP	DATE	
DRAWN BY	CAM	MON DA, 199X	
CHECKED BY	FOQ	DATE	
		MON DA, 199X	

26-4644.91 32198

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **SUNPORT BLVD**

WALL "B" SECTIONS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. | Zone Map No. | Sheet 2-23 Of

B-DETS-2.DWG 1=32 5\22\96

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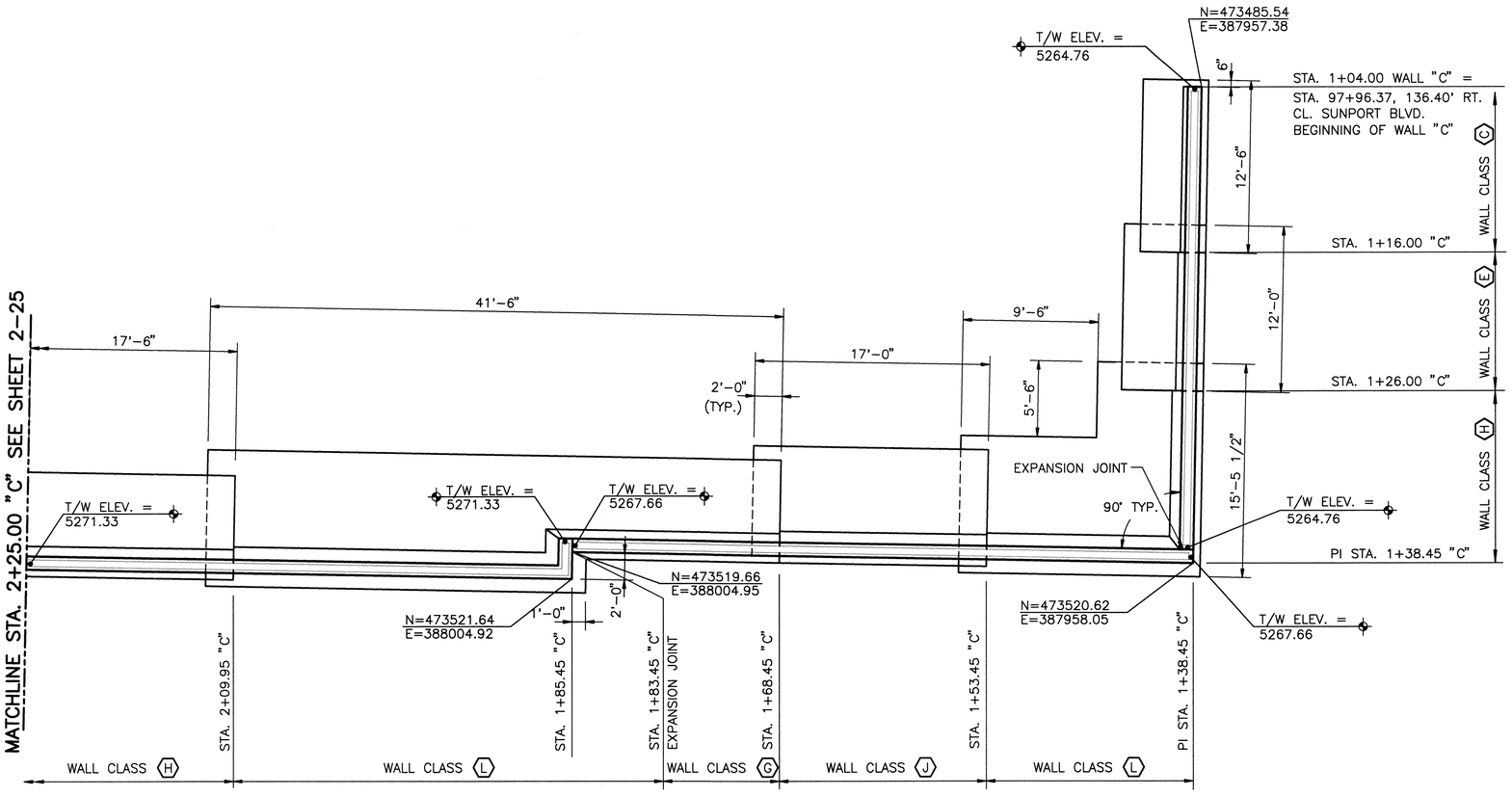
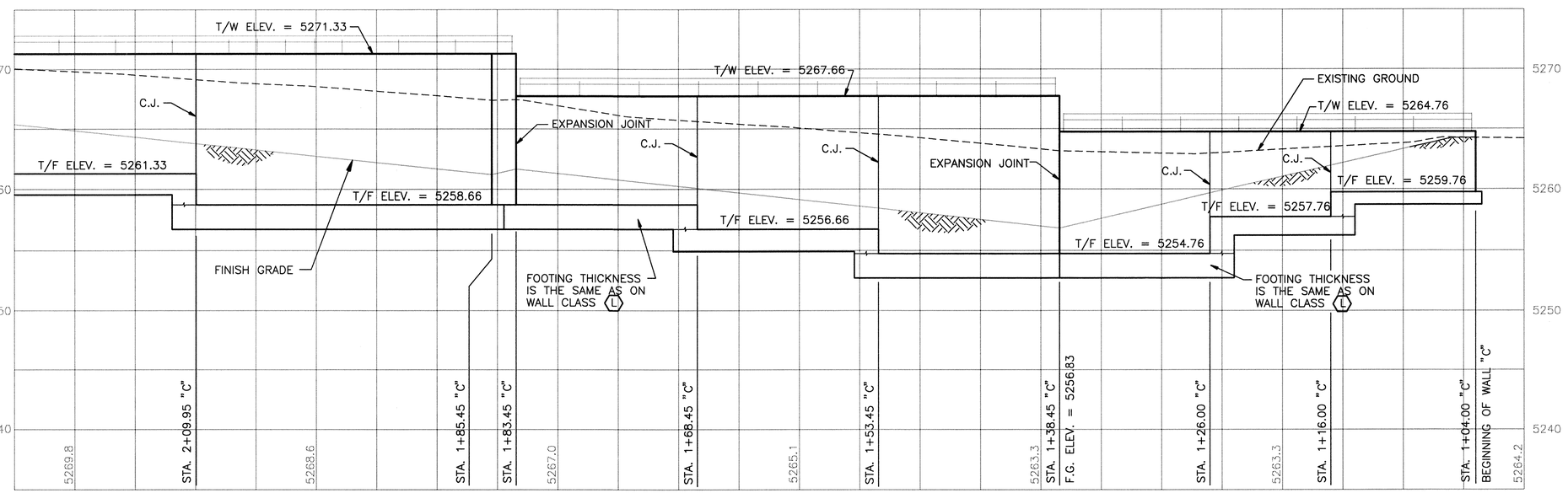
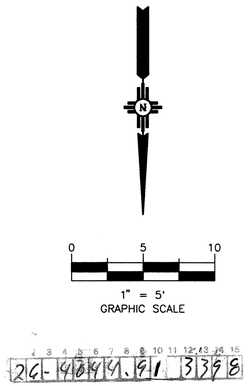


PLAN
SCALE: 1"=5'-0"



ELEVATION
SCALE: 1"=5'-0"

NOTE:
1. ELEVATION VIEW IS SHOWN LOOKING SOUTH AT EXPOSED FACE OF WALL.



w m Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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AS BUILT INFORMATION

CONTRACTOR
WORK STARTED BY DATE
WORK COMPLETED DATE
ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

SEAL
ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY F.O.Q. DATE 03\19\96
DRAWN BY T.D.S. DATE 03\19\96
CHECKED BY R.S.P. DATE 03\19\96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BLVD.

WALL "C" PLAN & ELEVATION
STA. 1+04.00 "C" (BOW) TO STA. 2+25.00 "C"

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. | Zone Map No. | Sheet 2-24 Of

1=5 5\22\96
WALLCPP1

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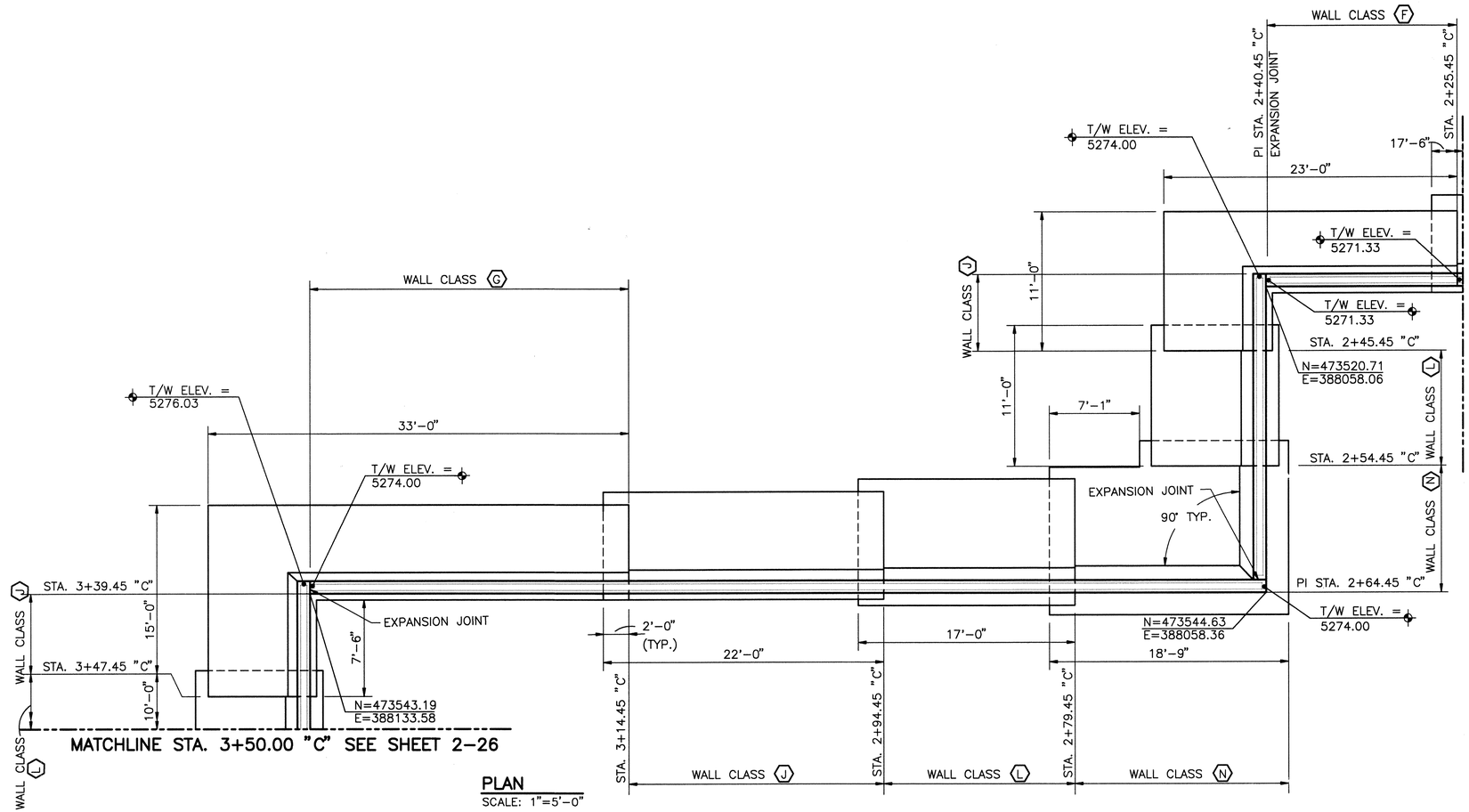
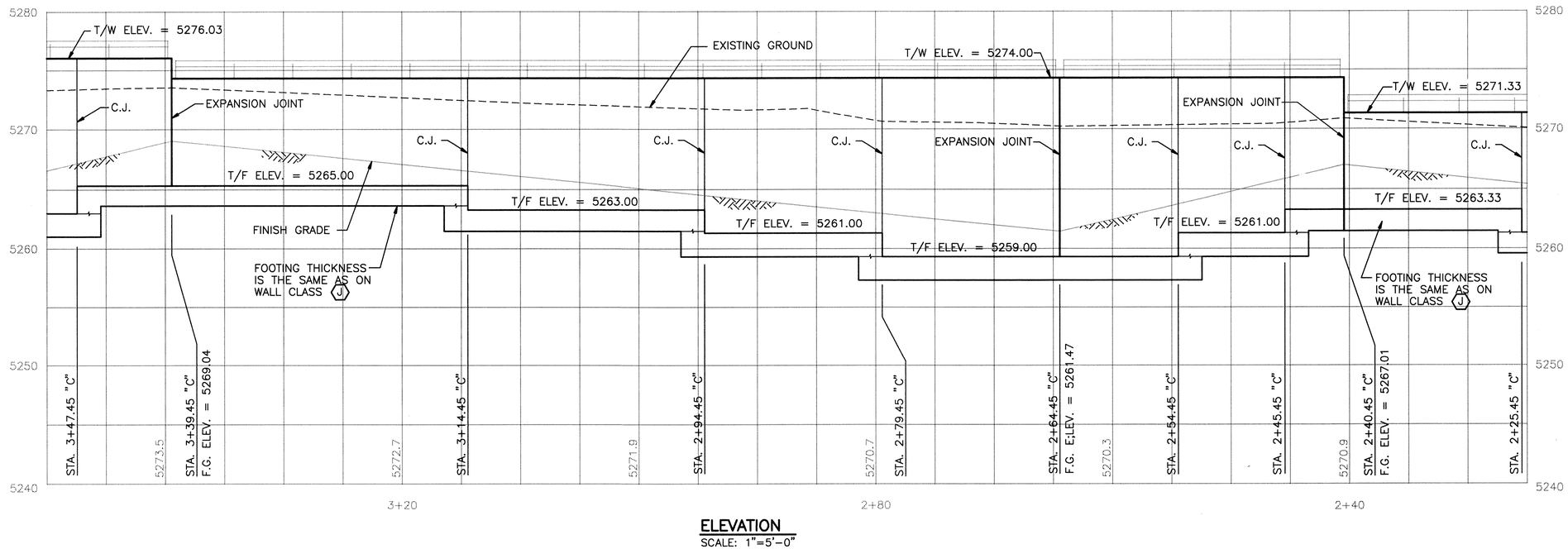
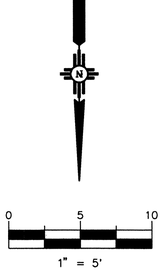


PLAN
SCALE: 1"=5'-0"



ELEVATION
SCALE: 1"=5'-0"

NOTE:
1. ELEVATION VIEW IS SHOWN LOOKING SOUTH AT EXPOSED FACE OF WALL.



W M Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY DATE
WORK ACCEPTED BY DATE
ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY F.O.Q. DATE 03\19\96
DRAWN BY T.D.S. DATE 03\19\96
CHECKED BY R.S.P. DATE 03\19\96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BLVD.

WALL "C" PLAN & ELEVATION
STA. 2+25.00 "C" TO STA. 3+50.00 "C"

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. | Zone Map No. | Sheet 2-25 Of

WALLCPP2 1=5 5\22\96

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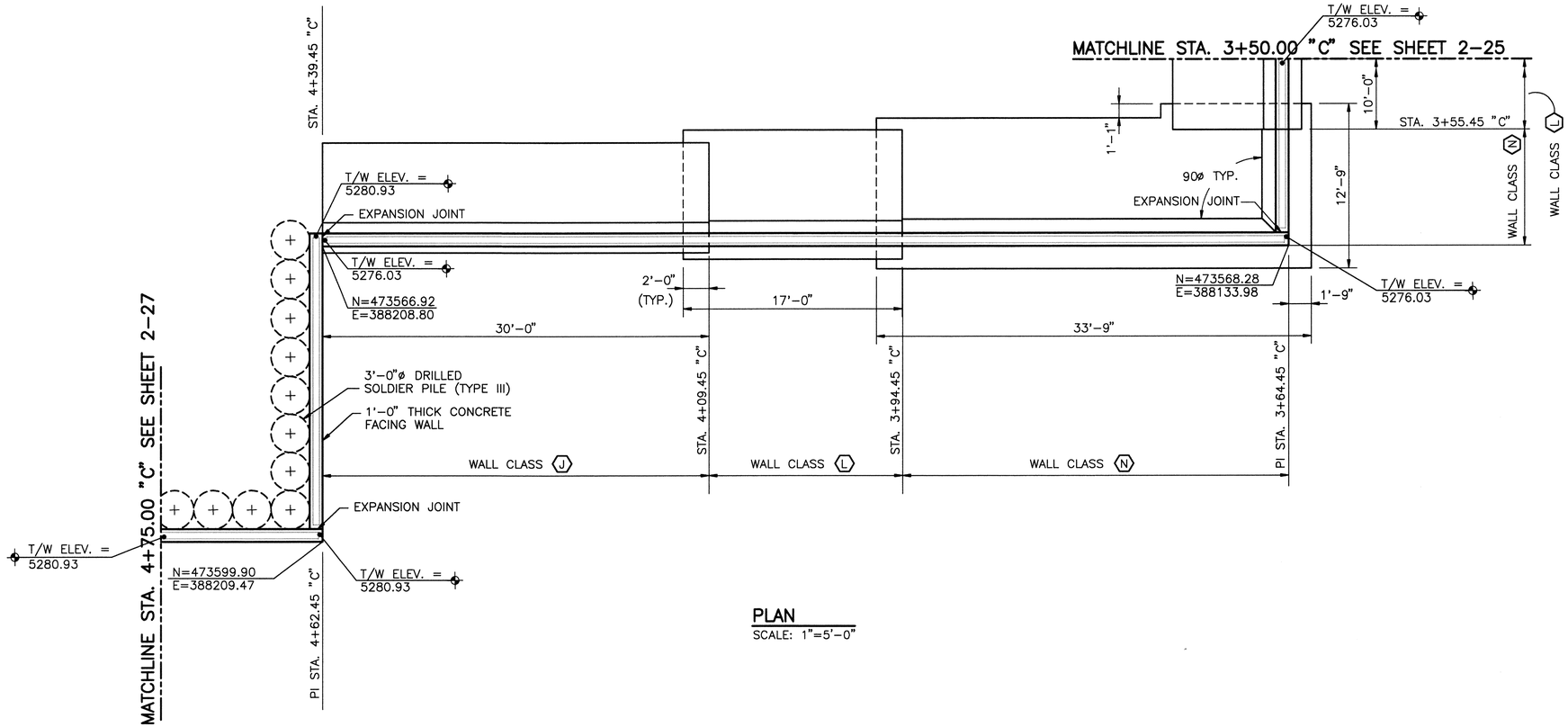
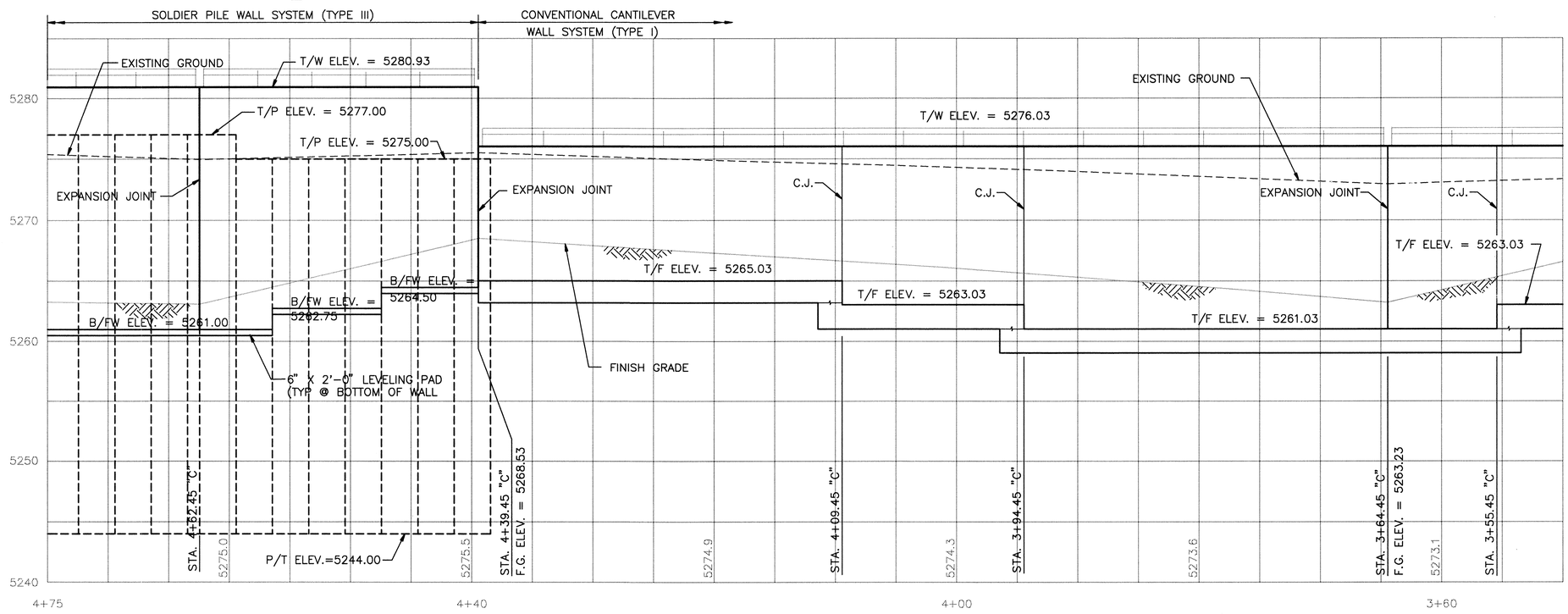


PLAN
SCALE: 1"=5'-0"

NOTE:
1. ELEVATION VIEW IS SHOWN LOOKING SOUTH AT EXPOSED FACE OF WALL.



ELEVATION
SCALE: 1"=5'-0"

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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AS BUILT INFORMATION
CONTRACTOR WORK STAKED BY DATE
STAKES CHECKED BY DATE
ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

SEAL

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
1	8/96	TIED-BACK WALL REPLACED	FOQ

REVISIONS

DESIGN	DATE 3\19\96
DESIGNED BY F.O.Q.	DATE 3\20\96
DRAWN BY T.D.S.	DATE 3\19\96
CHECKED BY R.S.P.	

0 5 10
1" = 5'
GRAPHIC SCALE

2Q-46644-81 L 35918

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BLVD

WALL "C" PLAN & ELEVATION
STA. 3+50.00 "C" TO STA 4+75.00 "C"

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
		2-26	

CHANGE ORDER NO. 1

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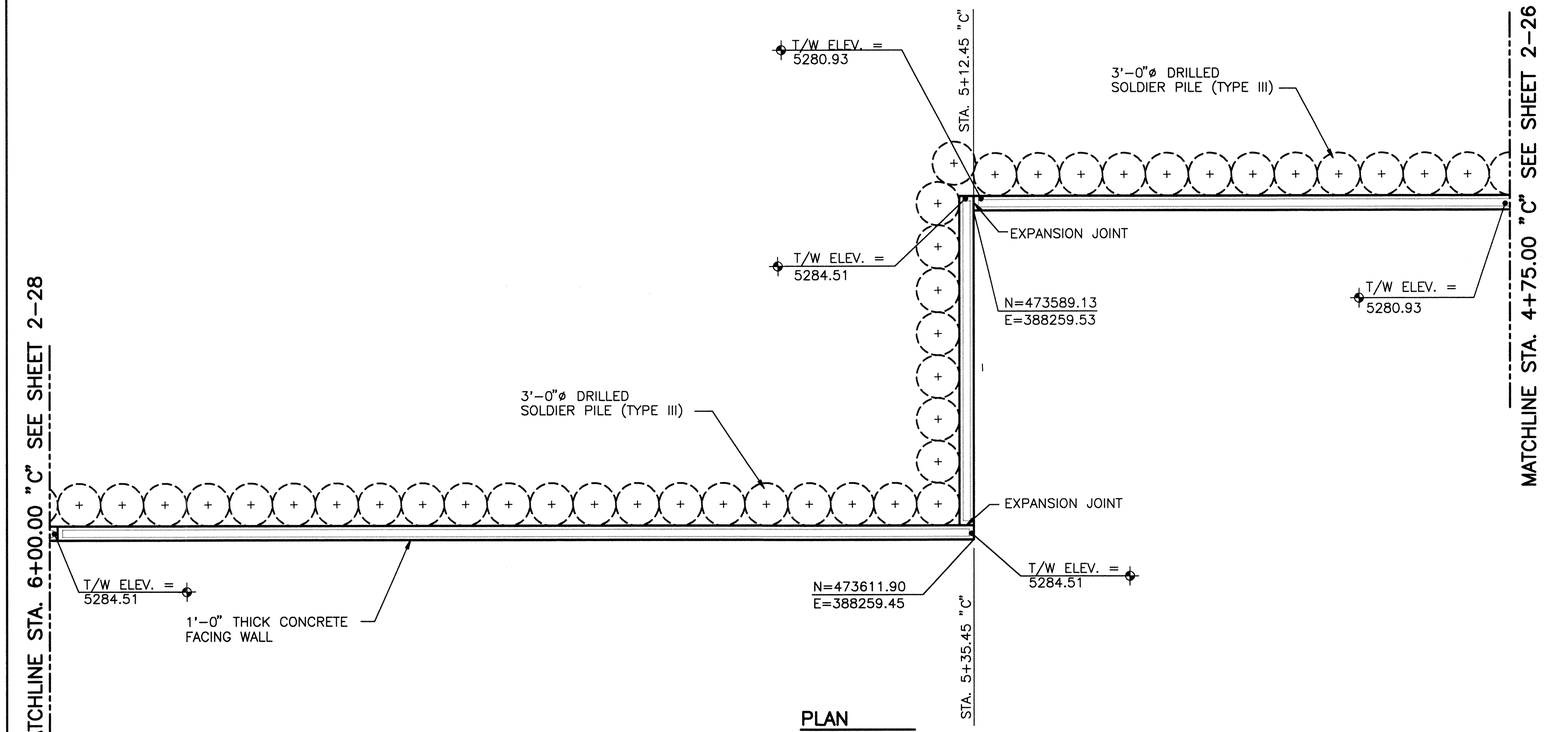
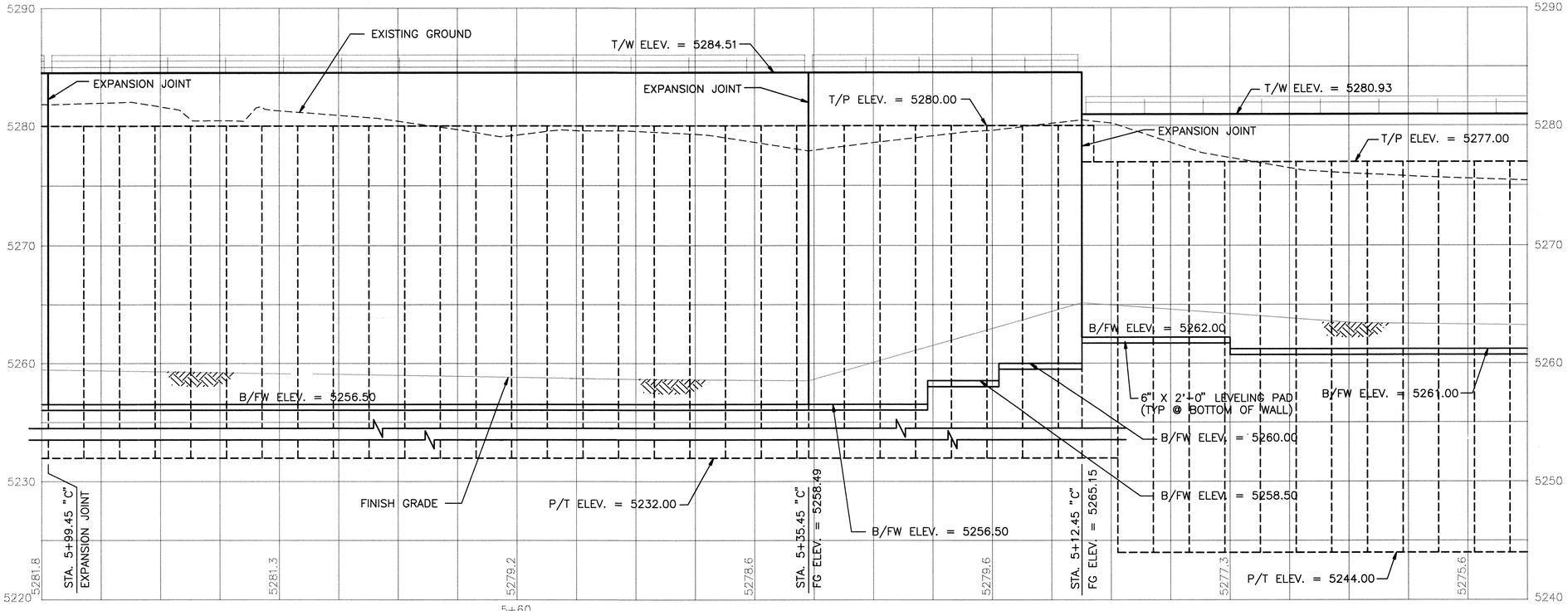
WALLCPP3 1=5 5\22\96

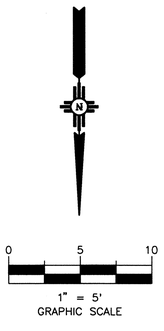


PLAN
SCALE: 1"=5'-0"



ELEVATION
SCALE: 1"=5'-0"

NOTE:
1. ELEVATION VIEW IS SHOWN LOOKING SOUTH AT EXPOSED FACE OF WALL.



W m Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
INSPECTED BY
ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
1	8/96	TIED-BACK WALL REPLACED	FOQ

REVISIONS

DESIGN	DRAWN	CHECKED
F.O.Q.	T.D.S.	R.S.P.
DATE 3\19\96	DATE 3\20\96	DATE 3\19\96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BLVD

WALL "C" PLAN & ELEVATION
STA. 4+75.00 "C" TO STA 6+00.00 "C"

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
		2-27	

WALLCRP4 1=5 5\22\96

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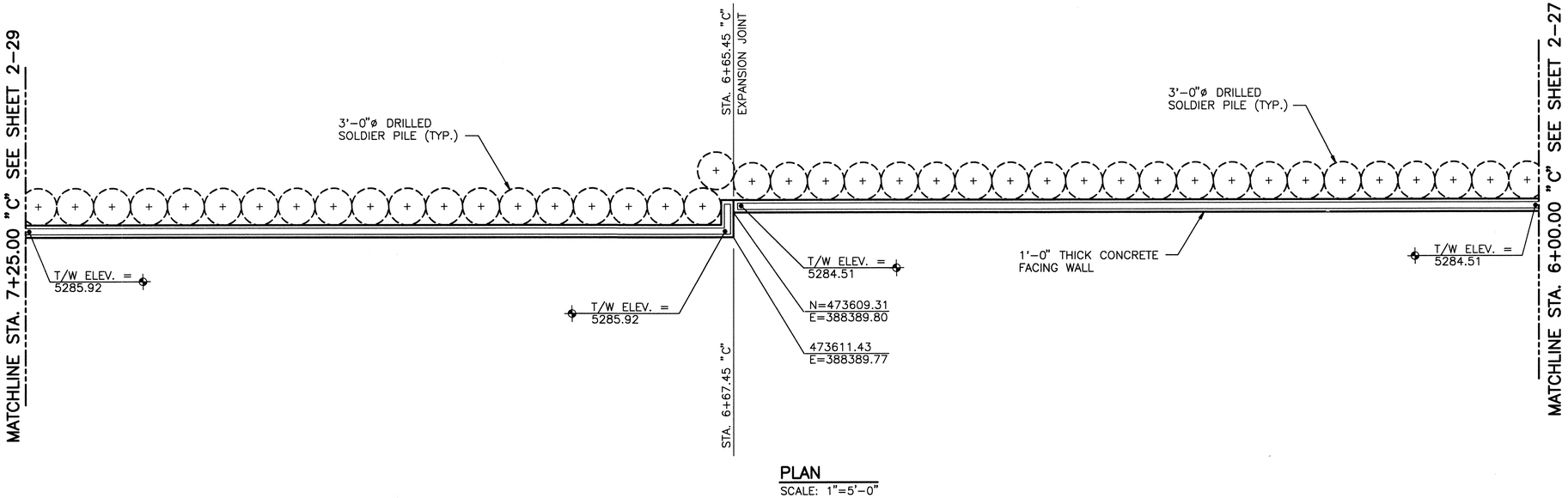
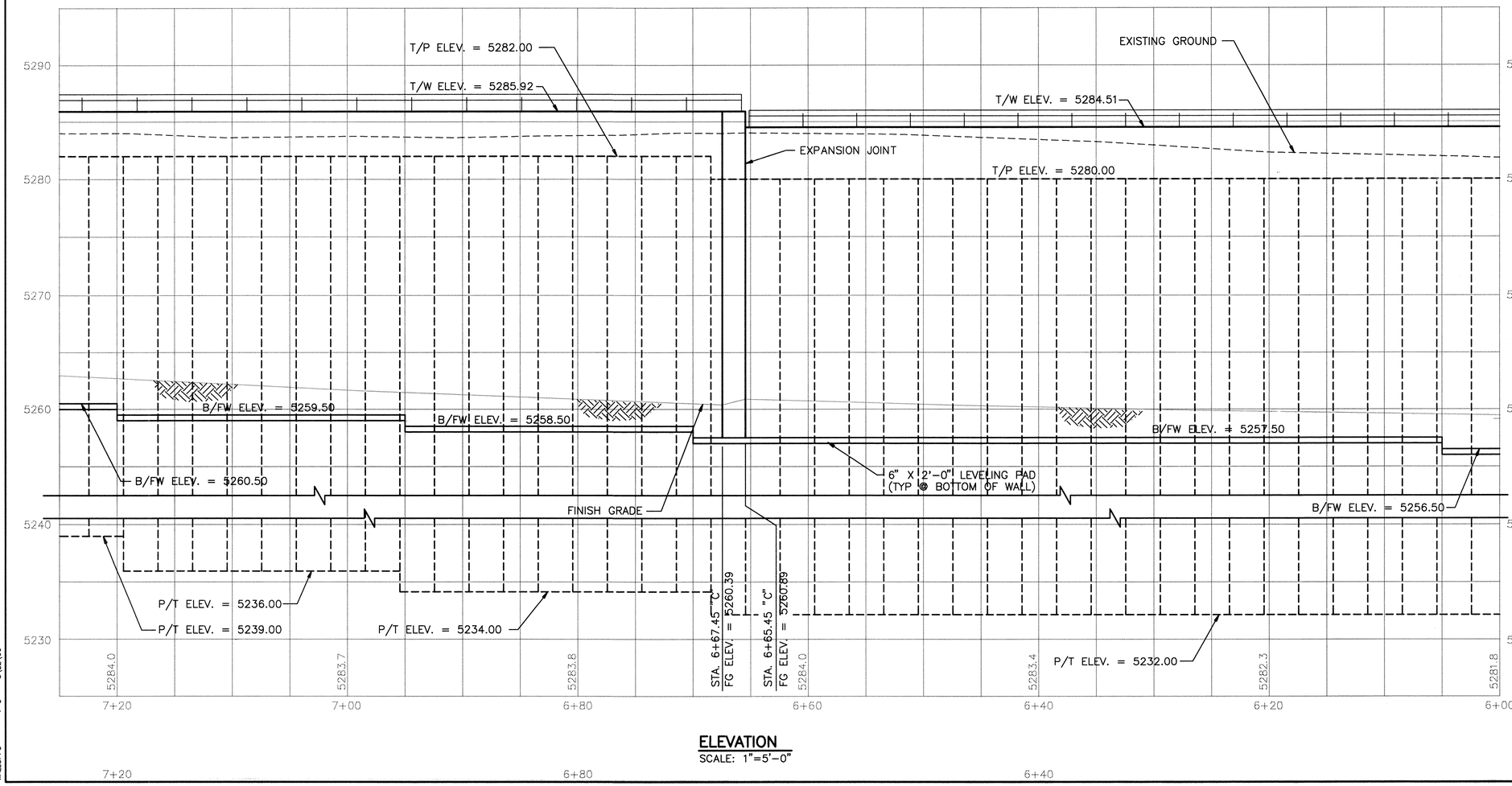
CHANGE ORDER NO. 1

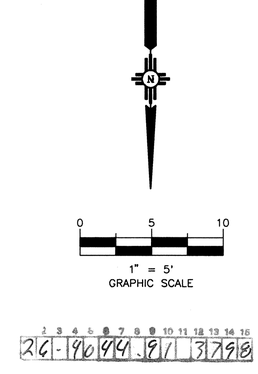


PLAN
SCALE: 1"=5'-0"



ELEVATION
SCALE: 1"=5'-0"

NOTE:
1. ELEVATION VIEW IS SHOWN LOOKING SOUTH AT EXPOSED FACE OF WALL.



W M Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
INSPECTED BY
ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REVISIONS REMARKS	BY
1	8/96	TIED-BACK WALL REPLACED	FOQ

DESIGN
DESIGNED BY F.O.Q. DATE 3\19\96
DRAWN BY T.D.S. DATE 3\20\96
CHECKED BY R.S.P. DATE 3\19\96

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
26-196494.871.3798

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **SUNPORT BLVD**

WALL "C" PLAN & ELEVATION
STA. 6+00.00 "C" TO STA 7+25.00 "C"

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
		2-28	

WALLCPPS 1=5 5\22\96

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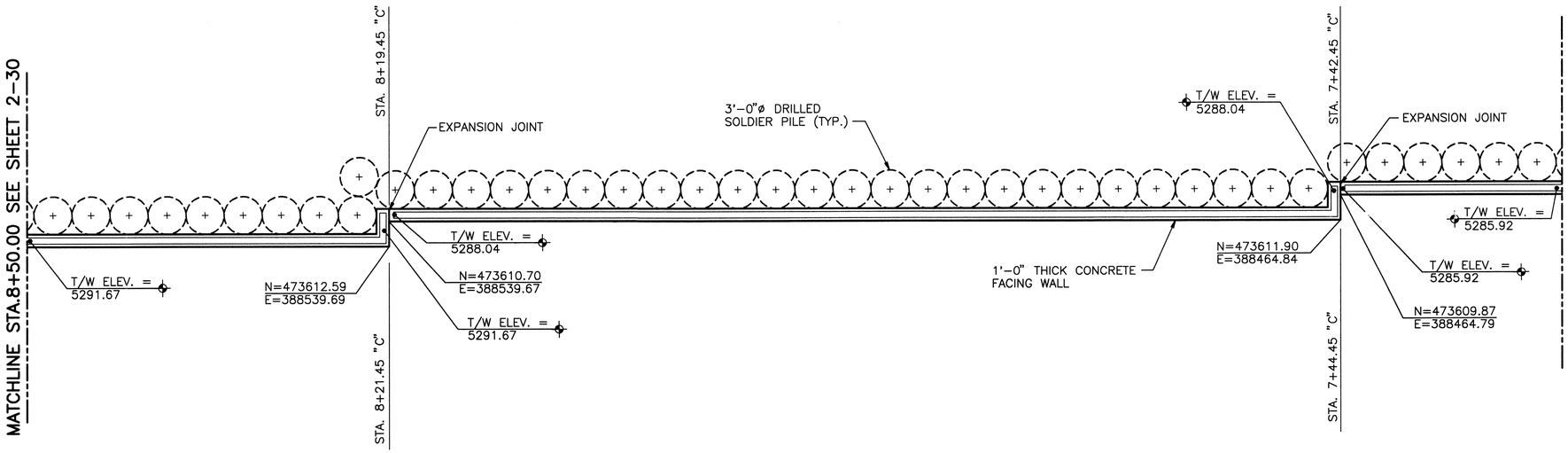
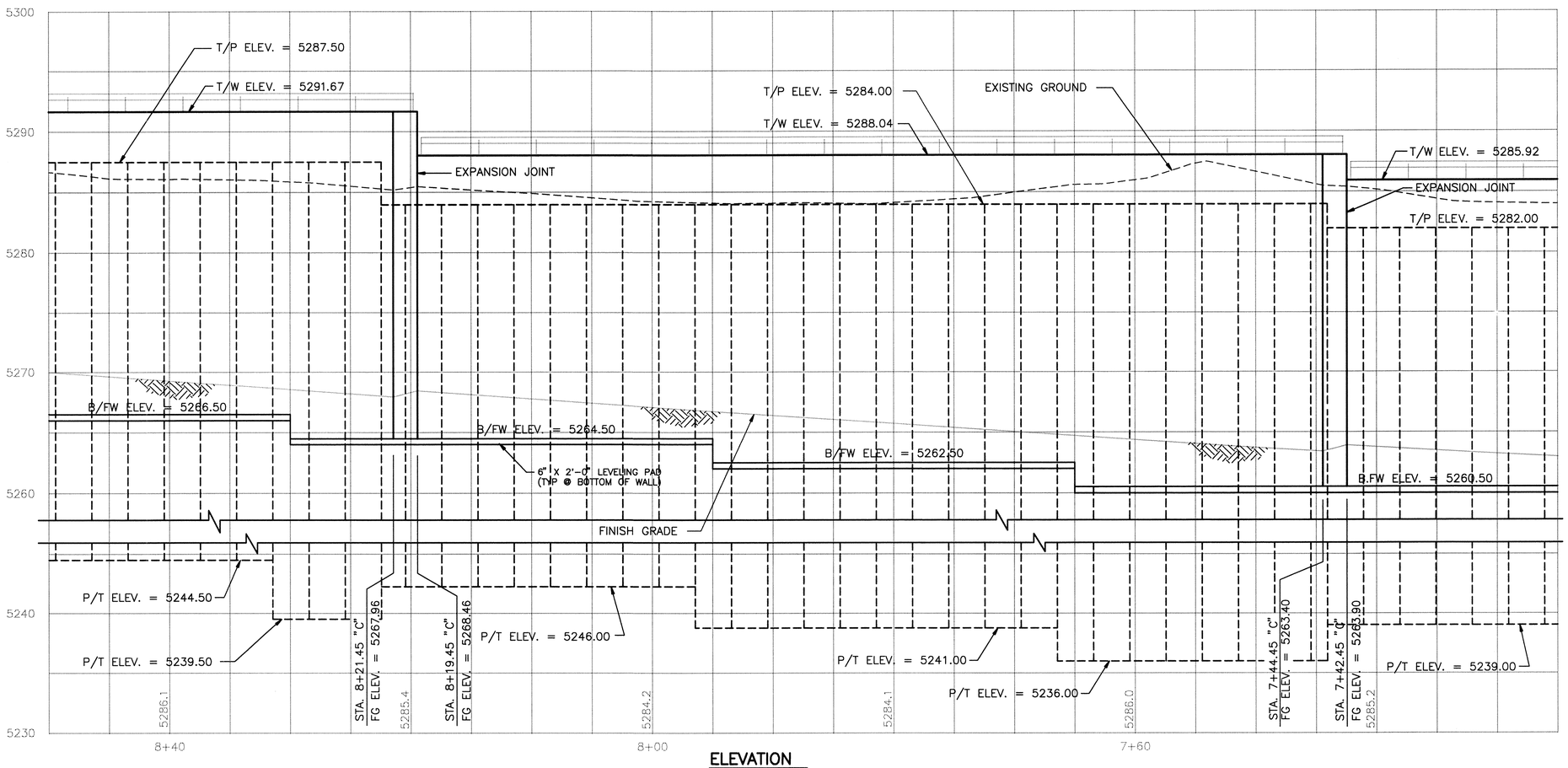
CHANGE ORDER NO. 1

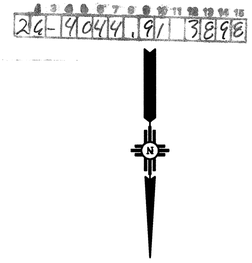


PLAN
SCALE: 1"=5'-0"



ELEVATION
SCALE: 1"=5'-0"

NOTE:
1. ELEVATION VIEW IS SHOWN LOOKING SOUTH AT EXPOSED FACE OF WALL.



wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT. THESE DRAWINGS WERE ORIGINALLY PREPARED IN CADD FORMAT AND APPROVED FOR CONSTRUCTION BY THE CITY ENGINEER ON 5/30/96. DRAWINGS INCLUDED IN THIS SET WHICH DO NOT HAVE ORIGINAL DRC SIGNATURES HAVE BEEN MODIFIED AND REPLOTTED FOR RECORD DRAWING PURPOSES.

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
INSPECTION BY — DATE
ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
STATION "WEST" A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL
EDWARD D. QUIROGA NEW MEXICO (9630) REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS
1	8/96	TIED-BACK WALL REPLACED

REVISIONS — BY: FOQ

DESIGN
DESIGNED BY F.O.Q. — DATE 3\19\96
DRAWN BY T.D.S. — DATE 3\20\96
CHECKED BY R.S.P. — DATE 3\19\96

QPEC
QUIROGA-PFEIFFER ENGINEERING CORPORATION

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BLVD

WALL "C" PLAN & ELEVATION
STA. 7+25.00 "C" TO STA. 8+50.00 "C"

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 4044.91 | Zone Map No. M15 & M16 | Sheet 2-29 Of

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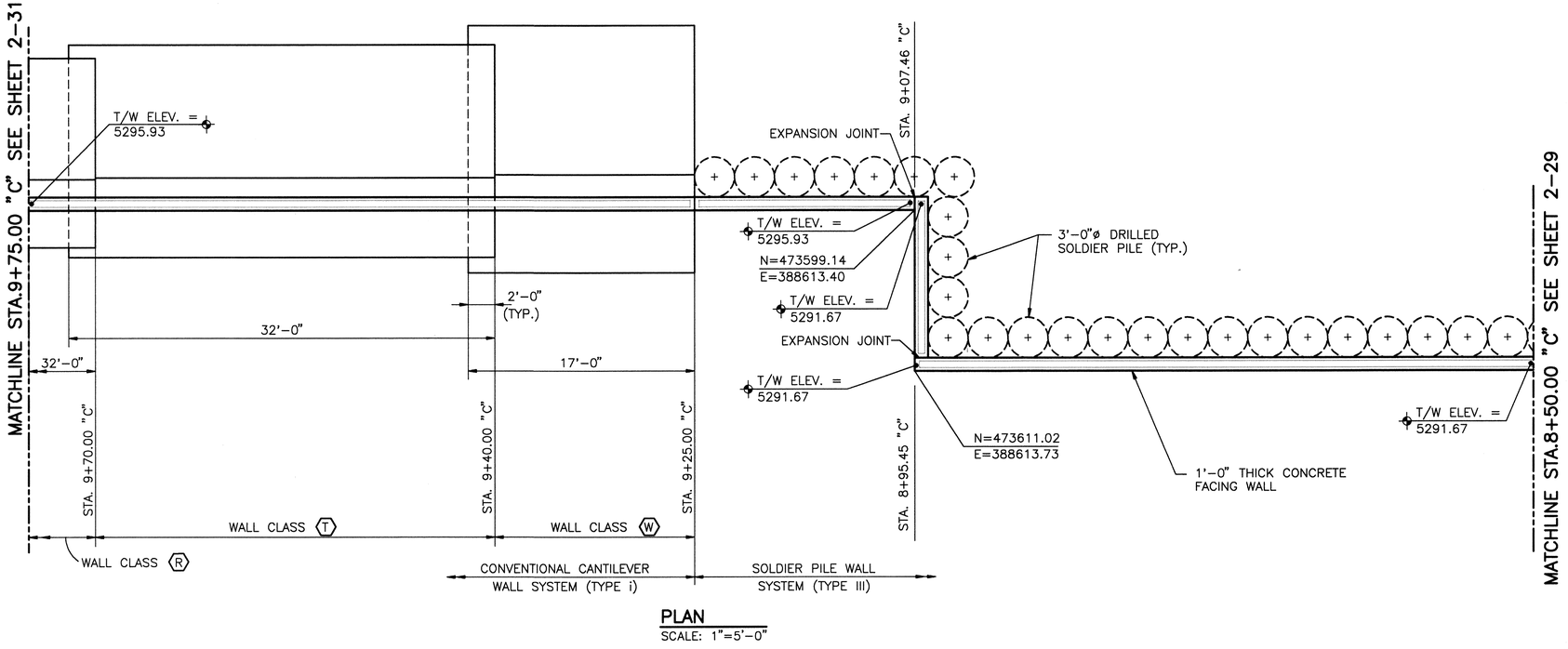
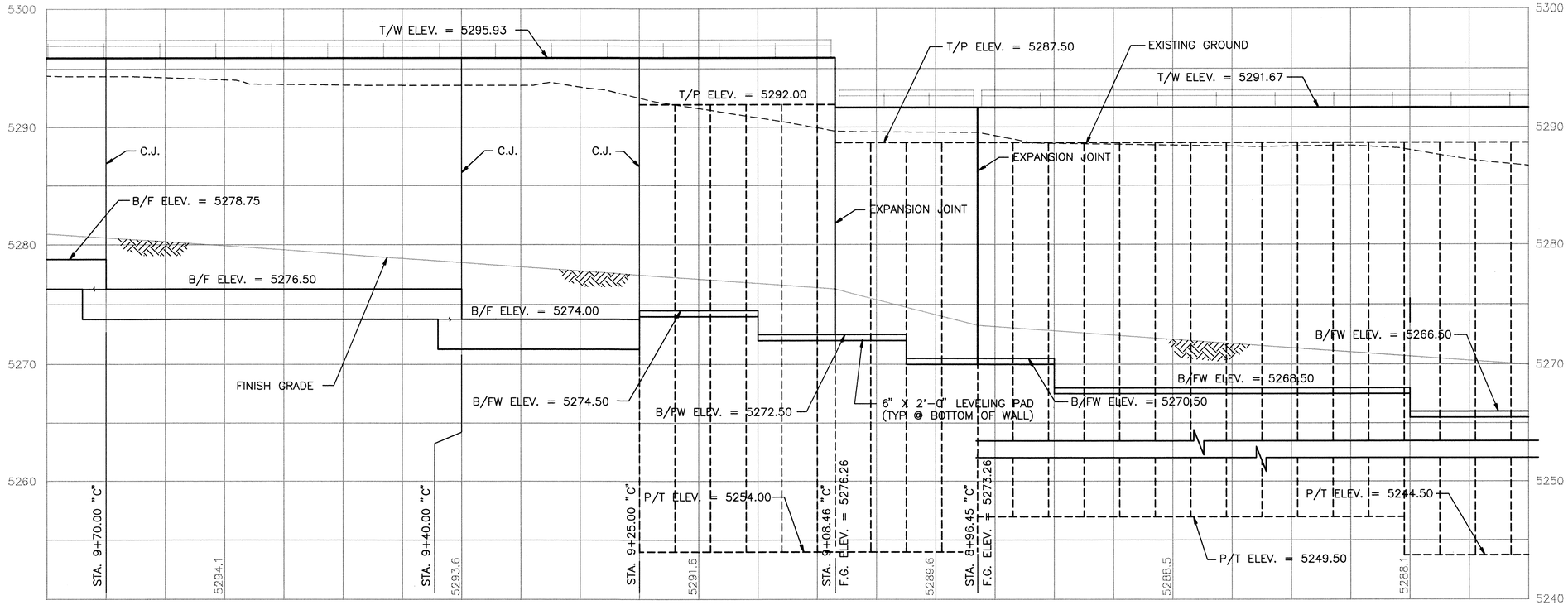
CHANGE ORDER NO. 1

WALLCPP6 1=5 5\22\96



PLAN
SCALE: 1"=5'-0"



ELEVATION
SCALE: 1"=5'-0"

NOTE:
1. ELEVATION VIEW IS SHOWN LOOKING SOUTH AT EXPOSED FACE OF WALL.

W.M. Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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N

0 5 10
1" = 5'
GRAPHIC SCALE

2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-4044.91 3998

AS BUILT INFORMATION
CONTRACTOR WORK STARTED BY DATE
INSPECTED BY DATE
ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

REVISIONS

NO.	DATE	BY	REMARKS
1	8/96	FOQ	TIED-BACK WALL REPLACED

DESIGN
DESIGNED BY F.O.Q. DATE 3\19\96
DRAWN BY T.D.S. DATE 3\20\96
CHECKED BY R.S.P. DATE 3\19\96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BLVD

WALL "C" PLAN & ELEVATION
STA. 8+50.00 "C" TO STA. 9+75.00 "C"

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. | Zone Map No. | Sheet 2-30 Of

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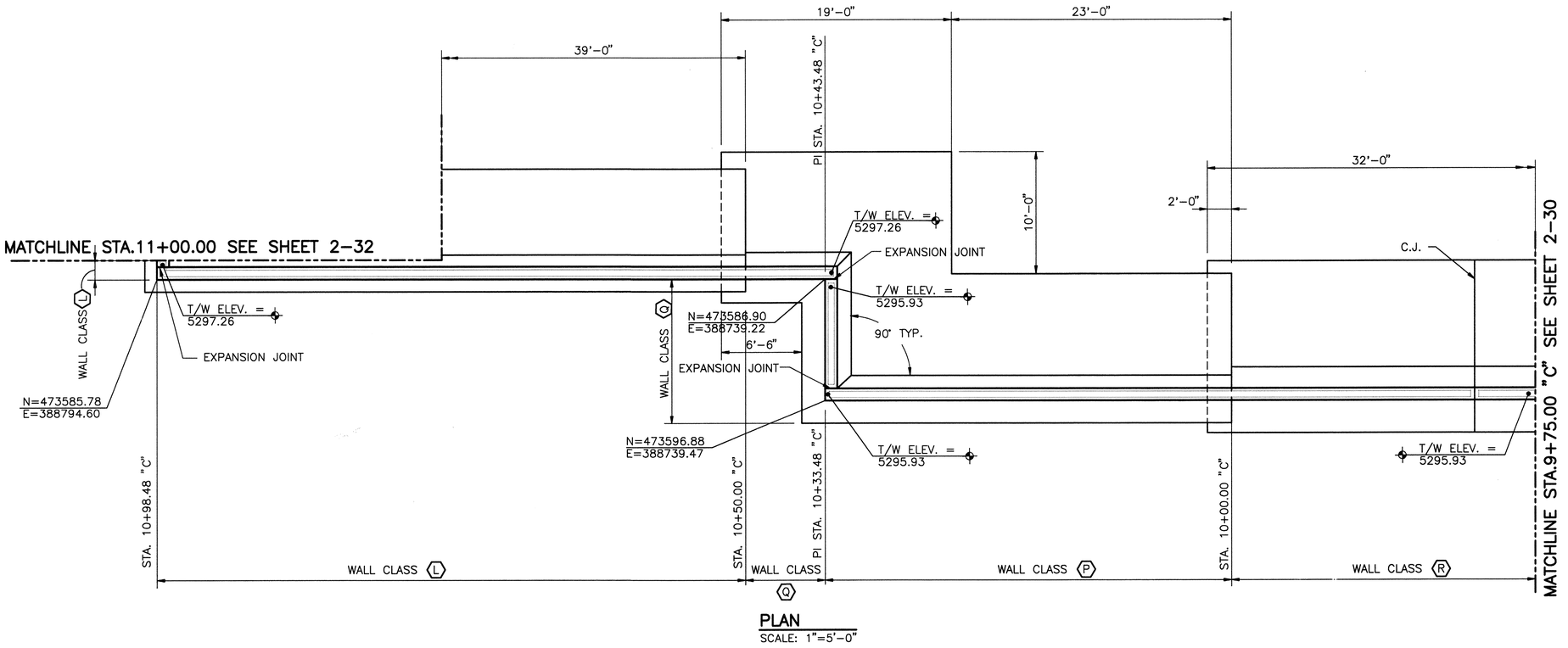
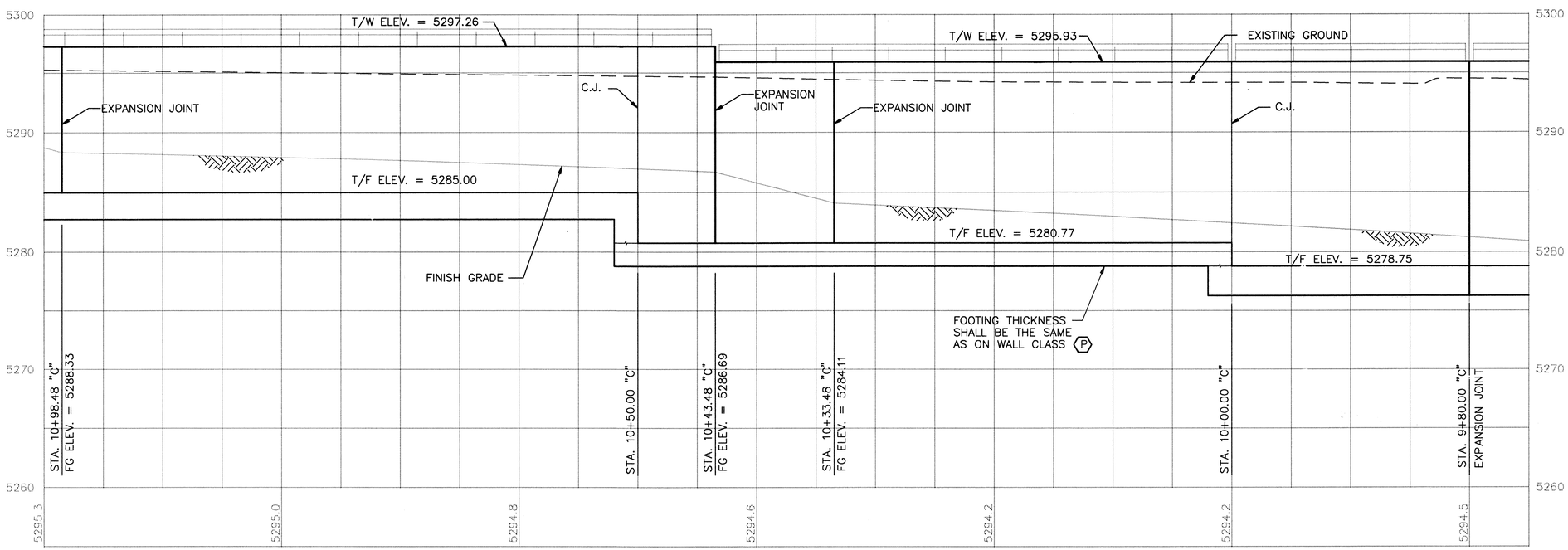
CHANGE ORDER NO. 1

WALLCPP7 1=5 5\22\96

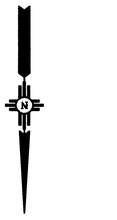


PLAN
SCALE: 1"=5'-0"



ELEVATION
SCALE: 1"=5'-0"

NOTE:
1. ELEVATION VIEW IS SHOWN LOOKING SOUTH AT EXPOSED FACE OF WALL.



W M Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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AS BUILT INFORMATION
CONTRACTOR WORK STARTED BY DATE
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY F.O.Q. DATE 3\19\96
DRAWN BY T.D.S. DATE 3\20\96
CHECKED BY R.S.P. DATE 3\19\96

26-4099.91 4098

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BLVD

WALL "C" PLAN & ELEVATION
STA. 9+75.00 "C" TO STA. 11+00.00 "C"

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
		2-31	

WALLCPP8 1=5 5\22\96

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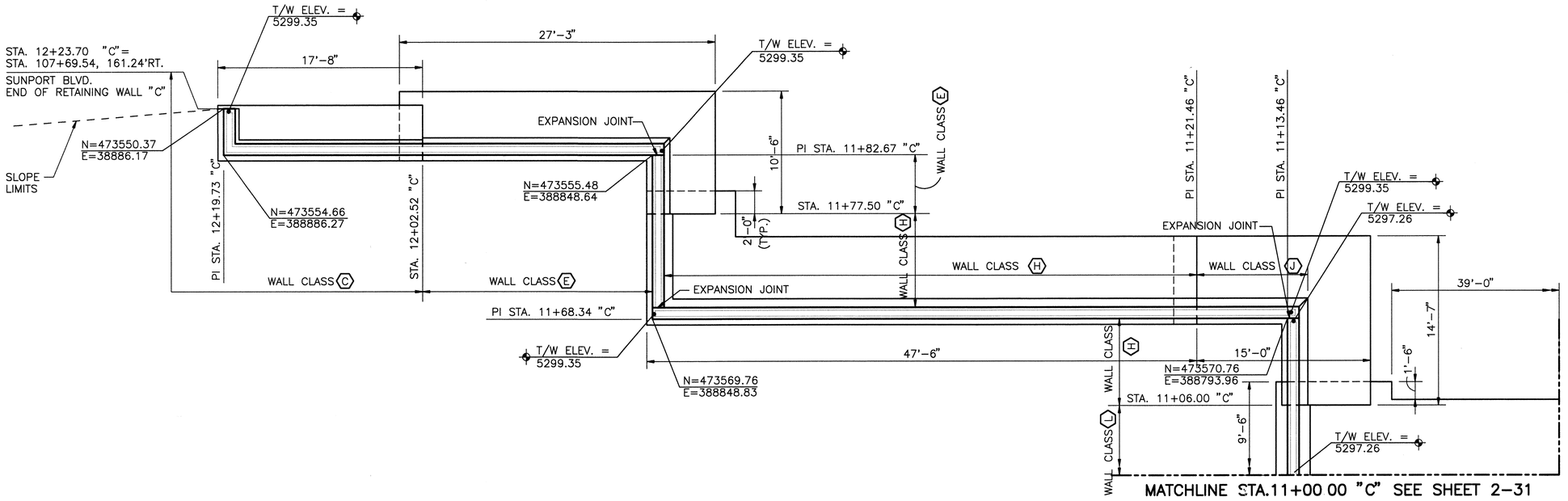
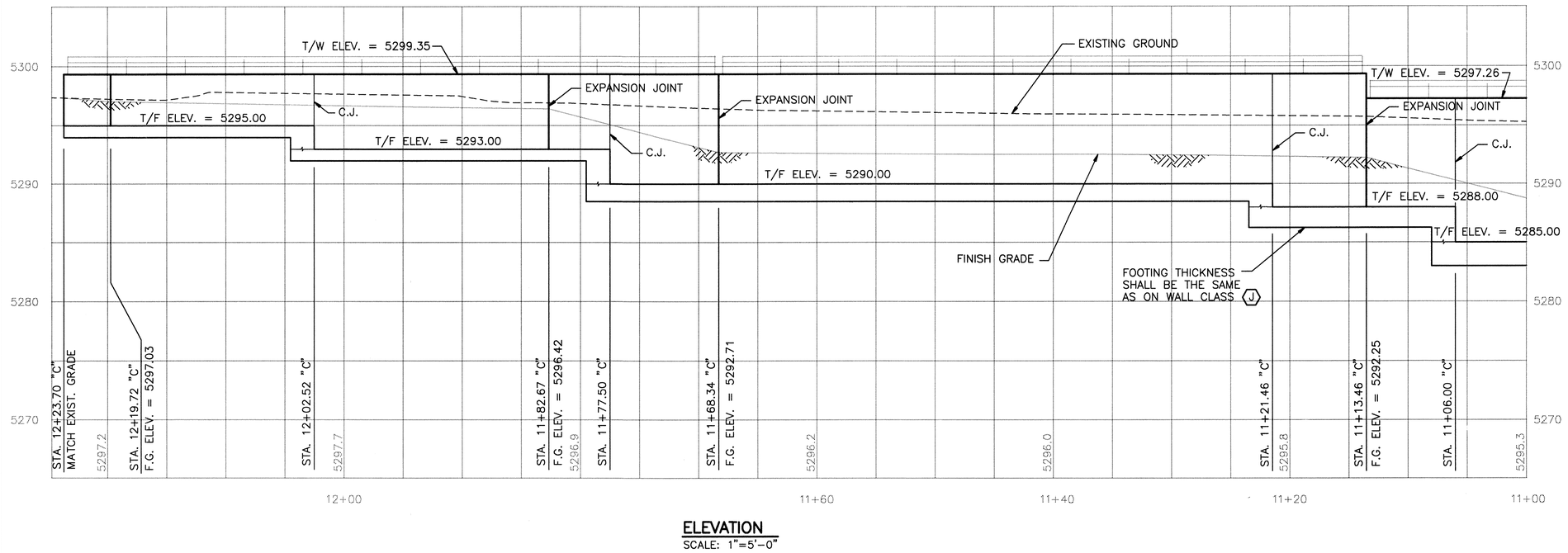
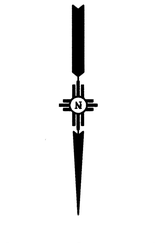


PLAN
SCALE: 1"=5'-0"



ELEVATION
SCALE: 1"=5'-0"

NOTE:
1. ELEVATION VIEW IS SHOWN LOOKING SOUTH AT EXPOSED FACE OF WALL.



wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY DATE
INSPECTED BY DATE
ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY F.O.Q. DATE 3\19\96
DRAWN BY T.D.S. DATE 3\20\96
CHECKED BY R.S.P. DATE 3\19\96

26-40459.91 91998

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BLVD

WALL "C" PLAN & ELEVATION
STA. 11+00.00 "C" TO STA. 12+23.70 "C" (EOW)

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
		2-32	

WALLCPP9 1=5 5\22\96

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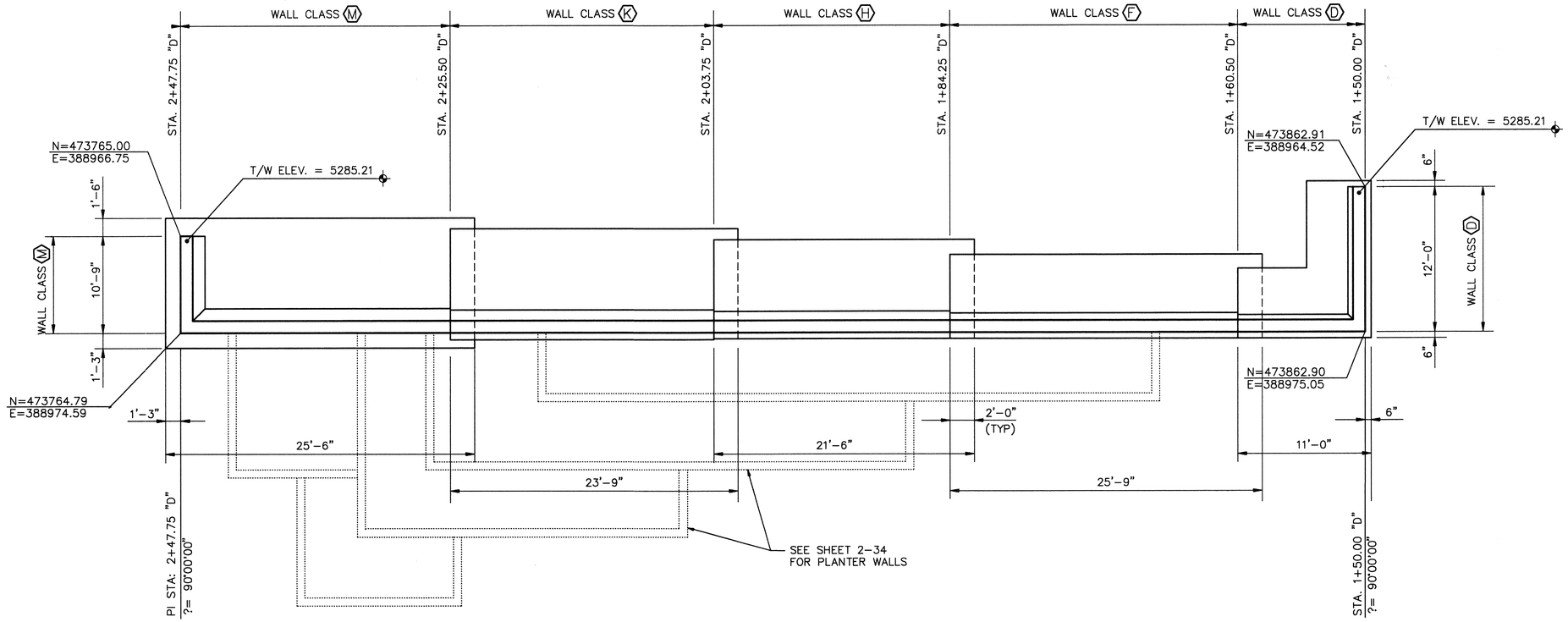
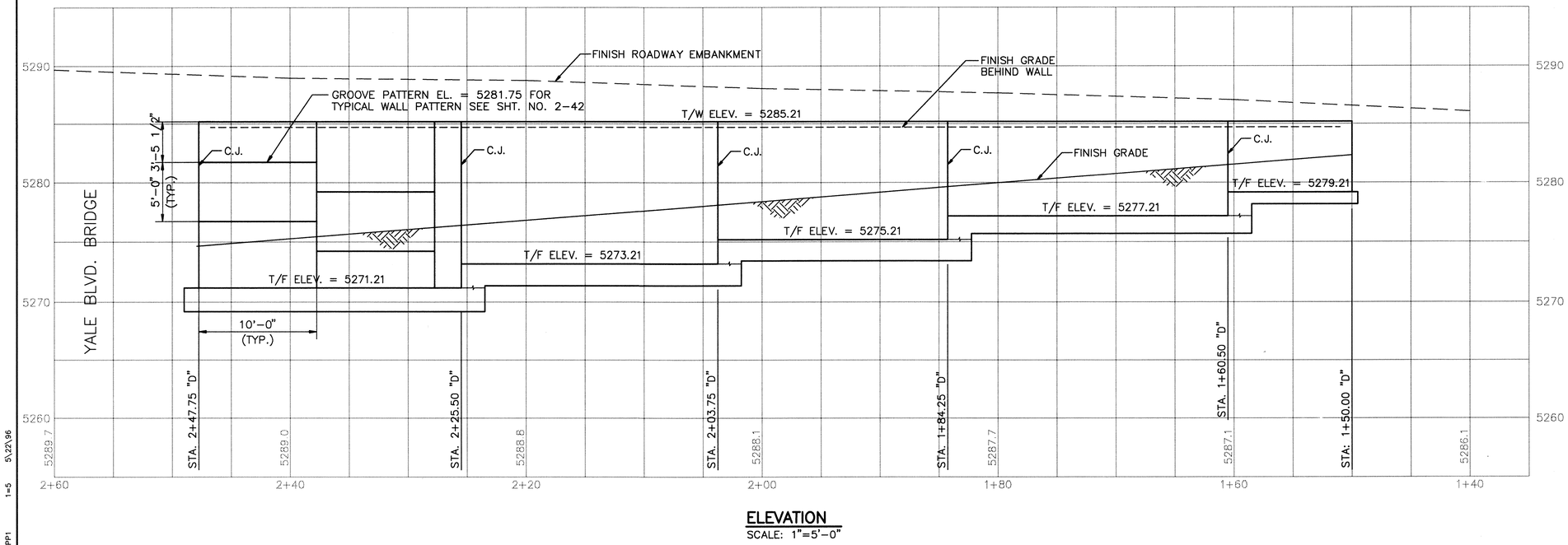


PLAN
SCALE: 1"=5'-0"



ELEVATION
SCALE: 1"=5'-0"

NOTE: ELEVATION VIEW IS SHOWN LOOKING WEST AT EXPOSED FACE OF WALL

0 5 10
1" = 5'
GRAPHIC SCALE

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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AS BUILT INFORMATION
CONTRACTOR WORK STAKED BY DATE
INSPECTED BY DATE
ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY F.O.Q.	DATE 03\24\96
		DRAWN BY L.A.H.	DATE 04\29\96
		CHECKED BY R.S.P.	DATE 03\24\96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BLVD

WALL "D" PLAN & ELEVATION
STA. 1+50.00 "D" (BOW)
TO STA. 2+47.75 "D" (EOW)

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. | Zone Map No. | Sheet 2-33 Of

WALLDPP1 1=5 5\22\96

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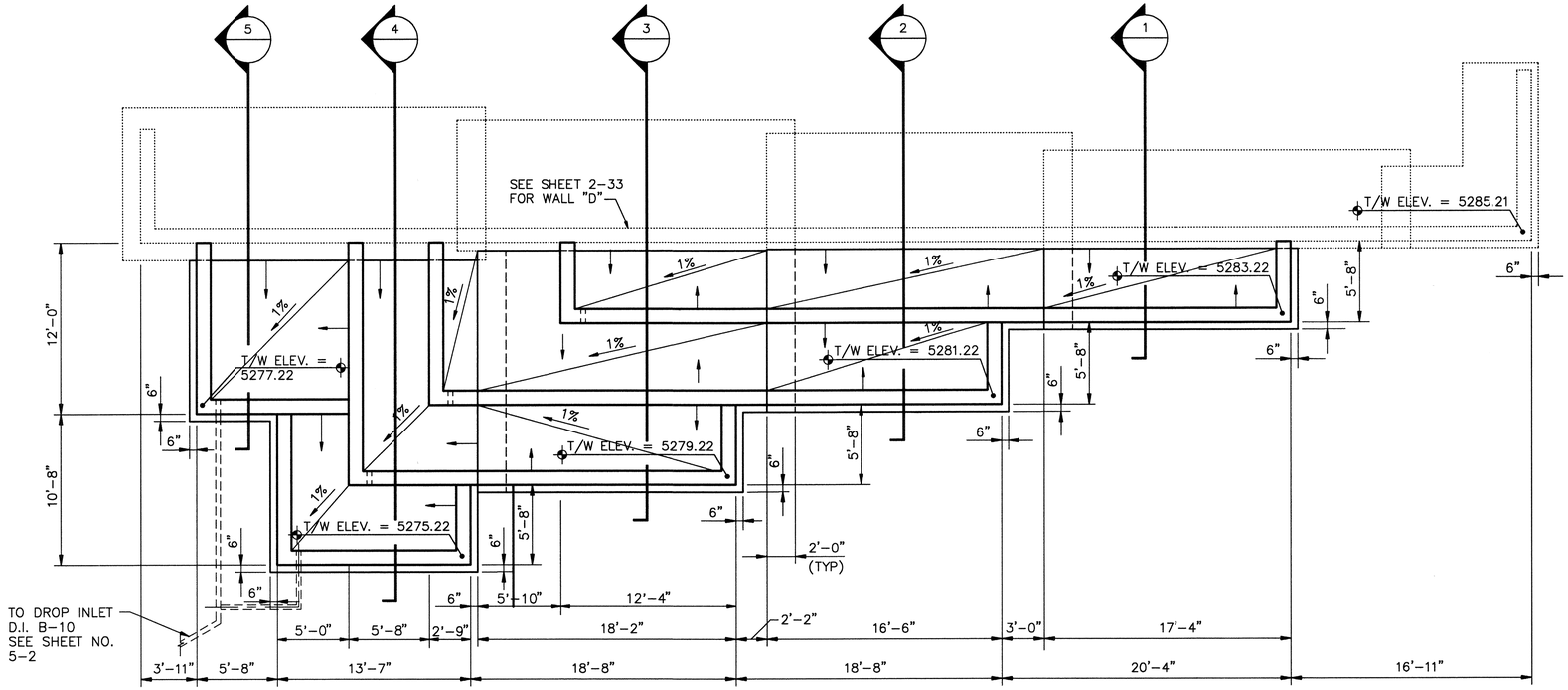
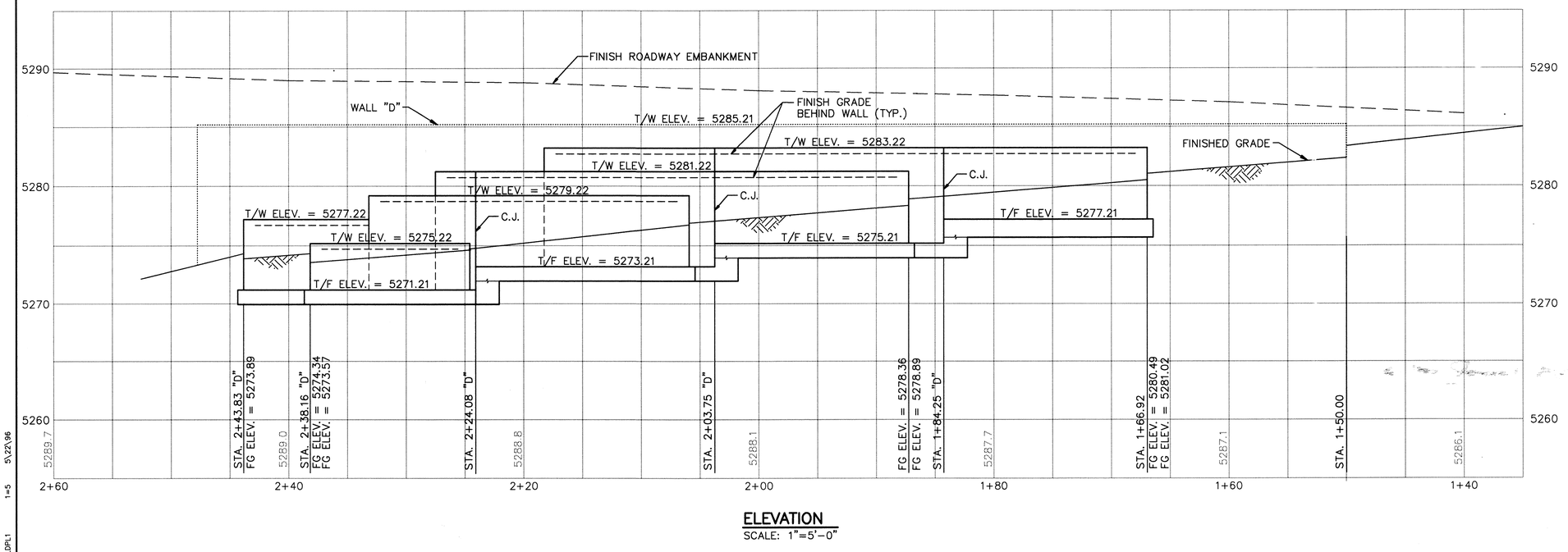


PLAN
SCALE: 1"=5'-0"



ELEVATION
SCALE: 1"=5'-0"

NOTES:

1. FOR WALL SECTIONS AND REINFORCEMENT DETAILS SEE SHEET 2-35
2. FOR IRRIGATION SLEEVE LOCATIONS SEE IRRIGATION PLANS. SLEEVES SHOULD BE CAST IN THE WALL. NO CORE DRILLING OR CUTTING IS ALLOWED

W M Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY DATE
WORK COMPLETED DATE
ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY F.O.Q.	DATE 03\24\96
		DRAWN BY L.A.H.	DATE 04\29\96
		CHECKED BY R.S.P.	DATE 03\24\96

0 5 10
1" = 5'
GRAPHIC SCALE

2 3 4 6 7 8 9 10 11 12 13 14 15 16

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BLVD

WALL "D" PLANTERS
STA. 1+66.94 "D" TO STA. 2+43.83 "D"
PLAN & ELEVATION

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. | Zone Map No. | Sheet 2-34 Of

WALLOPL1 1=5 5\22\96

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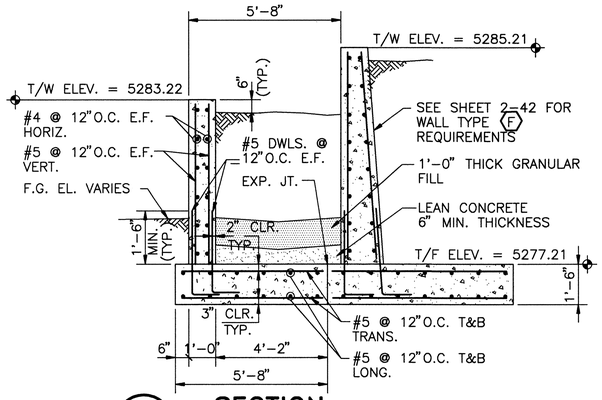
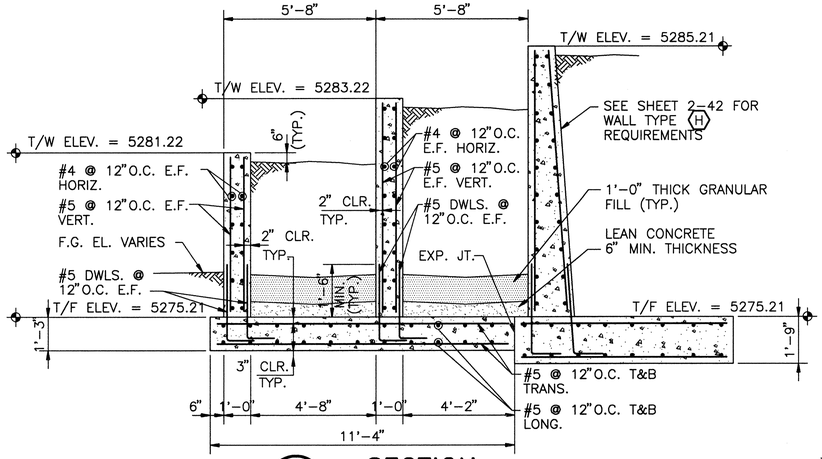
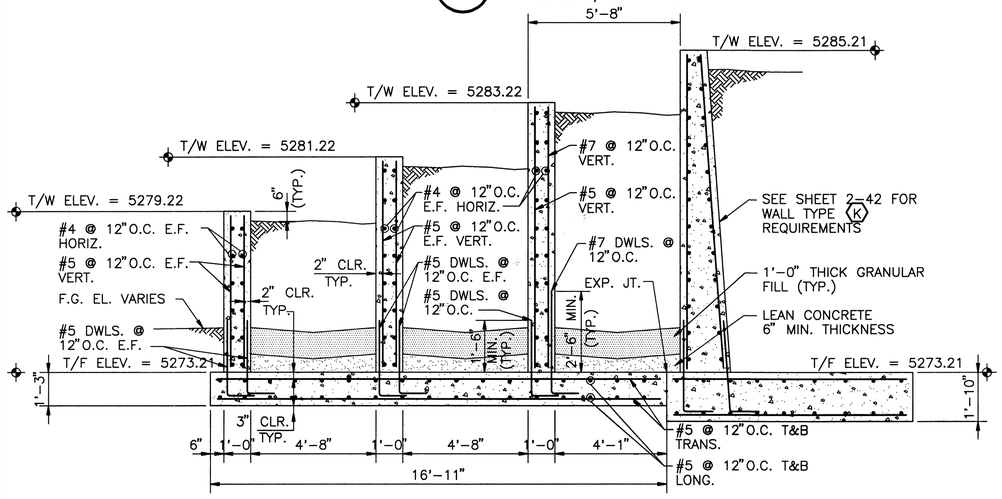


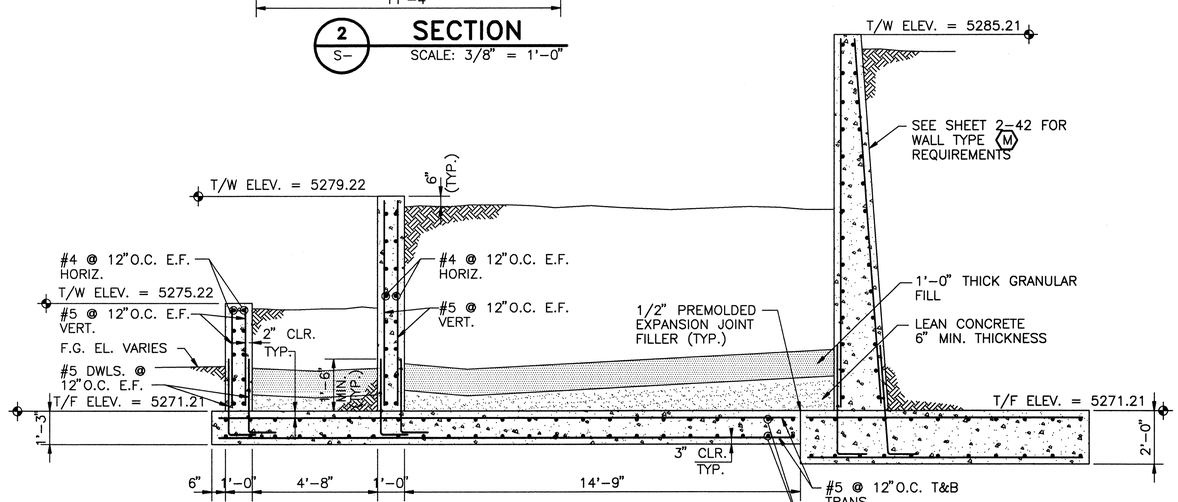
1 S– **SECTION**
SCALE: 3/8" = 1'-0"



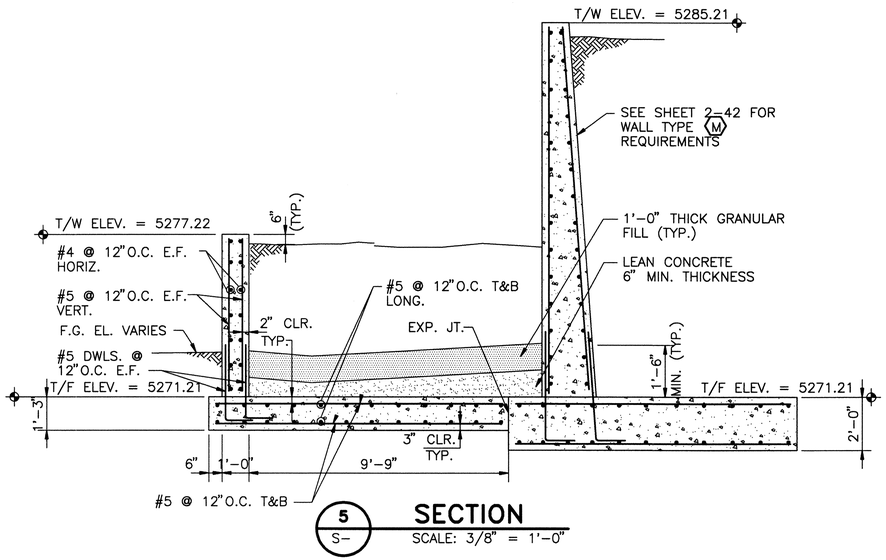
2 S– **SECTION**
SCALE: 3/8" = 1'-0"



3 S– **SECTION**
SCALE: 3/8" = 1'-0"



4 S– **SECTION**
SCALE: 3/8" = 1'-0"



5 S– **SECTION**
SCALE: 3/8" = 1'-0"

NOTE:
FOR SECTION CUT LOCATIONS
SEE SHEET NO. 2-34

2 3 4 6 7 8 9 10 11 12 13 14 15
216 · 96 94 · 97 · 99 98

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **SUNPORT BLVD.**

WALL "D" SECTIONS

W m Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
		2-35	

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
INSPECTOR'S NOTES BY — DATE
FIELD VERIFICATION BY — DATE
MARKUPS CORRECTED BY — DATE

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY
DESIGNED BY	F.O.Q.	DATE 4/2/96	
DRAWN BY	T.D.S.	DATE 4/2/96	
CHECKED BY	R.S.P.	DATE 4/2/96	

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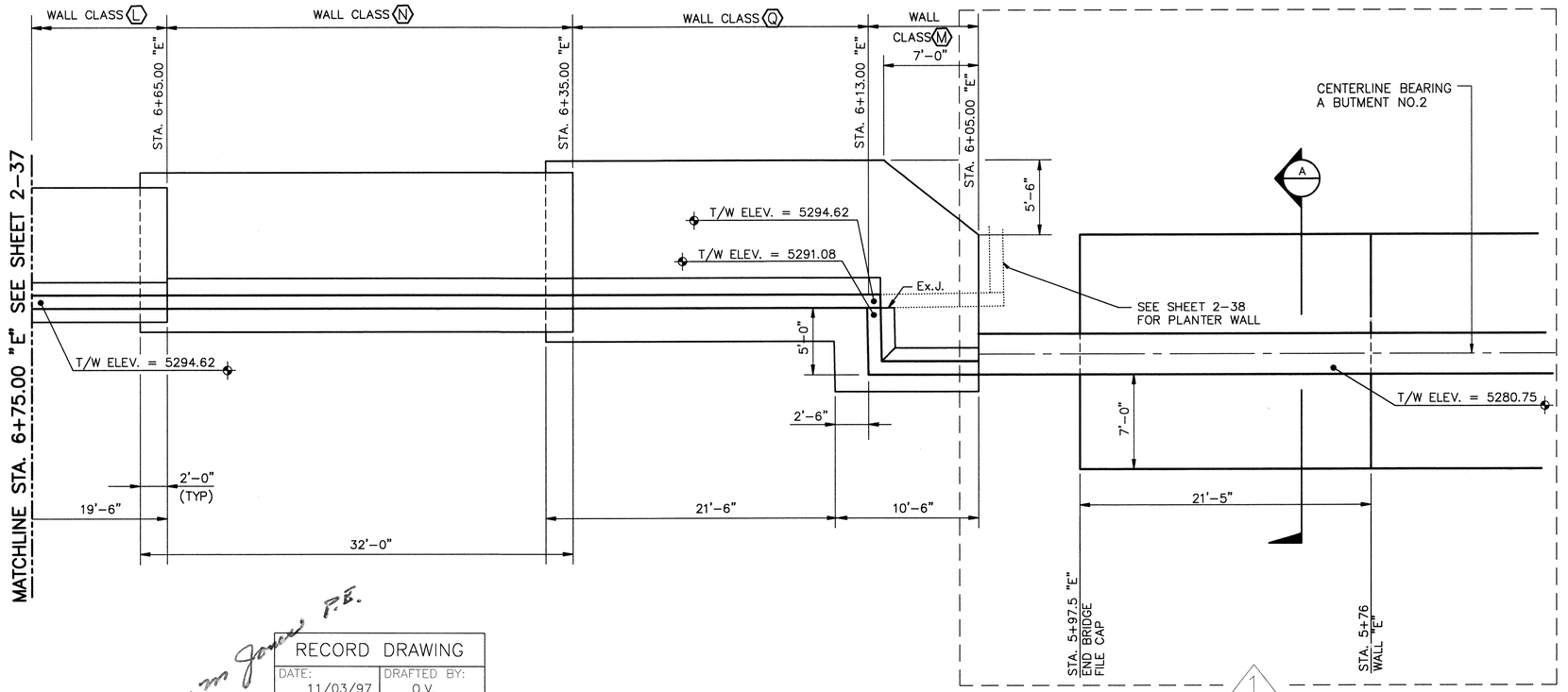
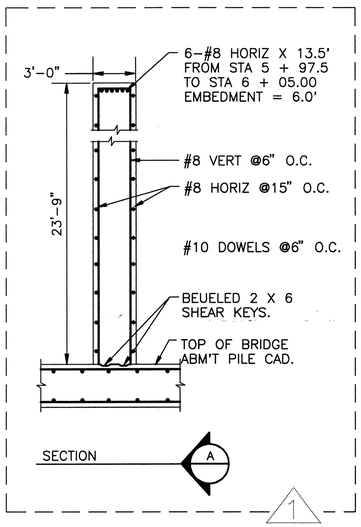
WALDDET1 AS SHOWN 12/1/96





NOTES:

1. ELEVATION VIEW IS SHOWN LOOKING SOUTH AT EXPOSED FACE OF WALL.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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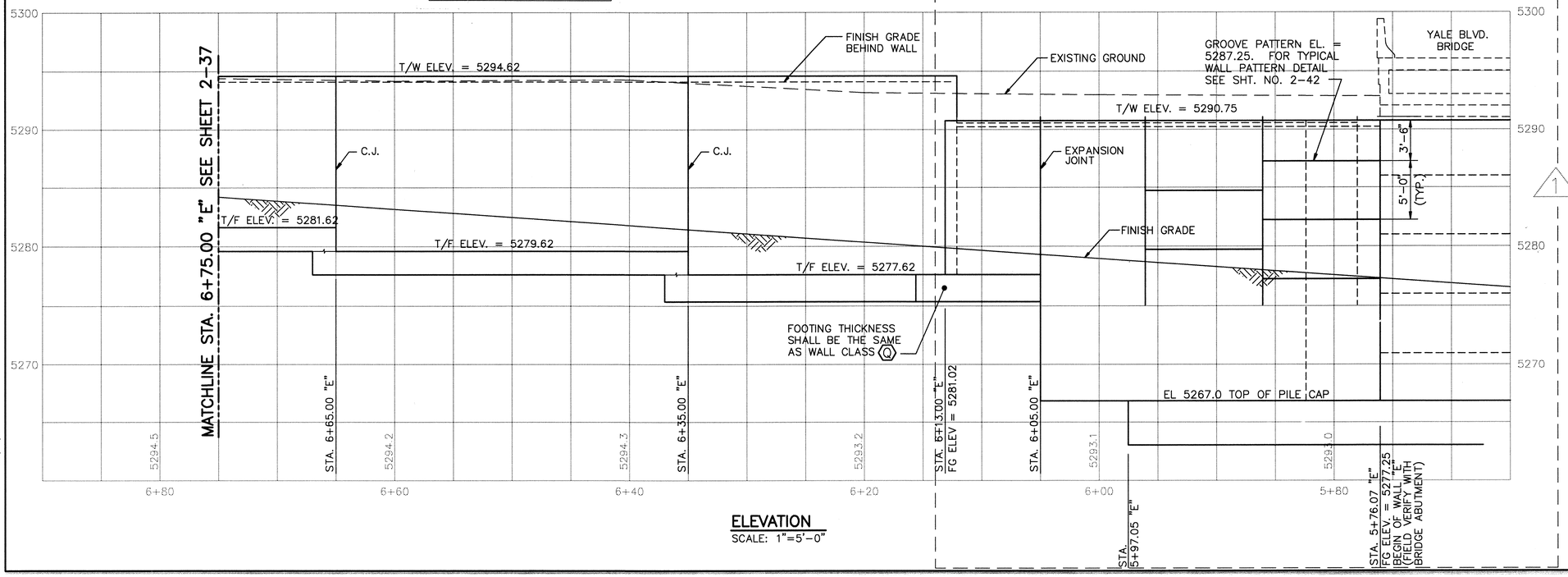
PLAN
SCALE: 1"=5'-0"



ELEVATION
SCALE: 1"=5'-0"

2C-410-44.97 46.78

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BLVD

WALL "E" PLAN & ELEVATION
STA. 5+76.07 "E" (BOW) TO STA. 6+75.00 "E"

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. | Zone Map No. | Sheet 2-36 Of

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY DATE
INSPECTION BY DATE
ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL

NO.	DATE	REVISIONS REMARKS	BY
1	11/96	REVISION TO RETAINING WALL.	FOO

DESIGNED BY F.O.Q. DESIGN DATE 03.24.96
DRAWN BY L.A.H. DATE 11\15\96
CHECKED BY R.S.P. DATE 03\27\96

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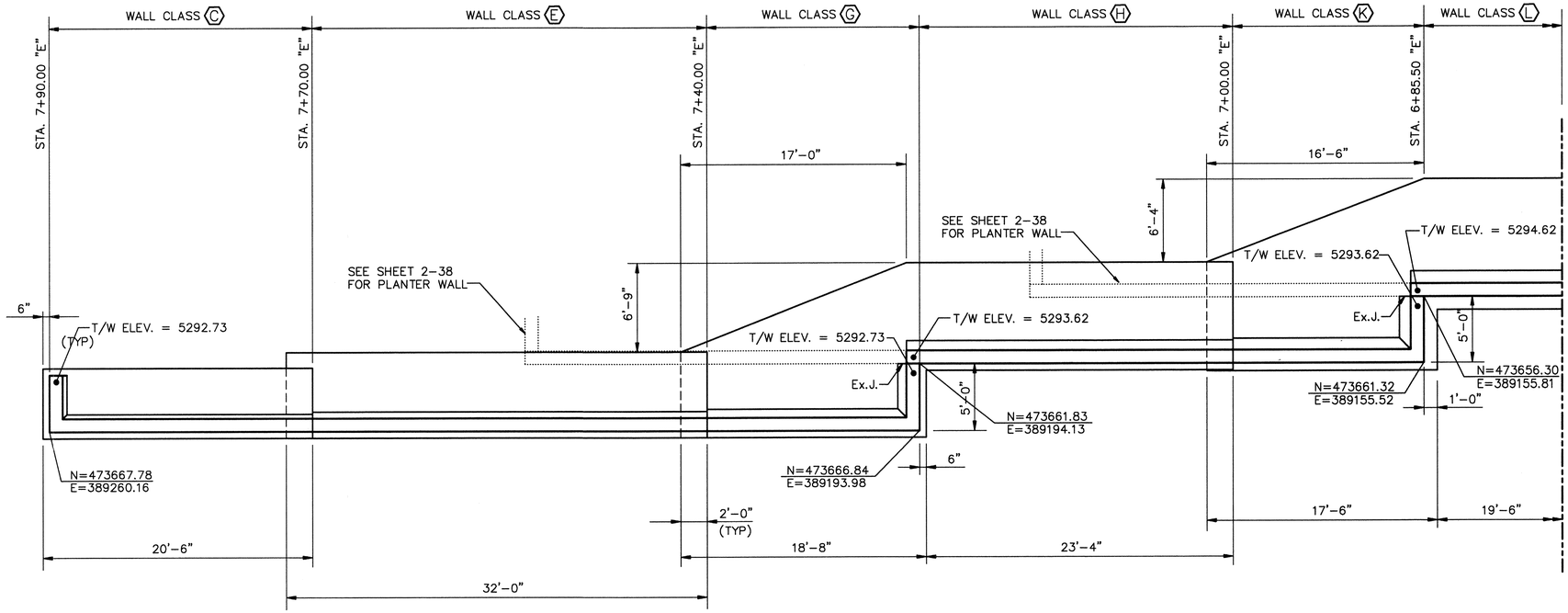
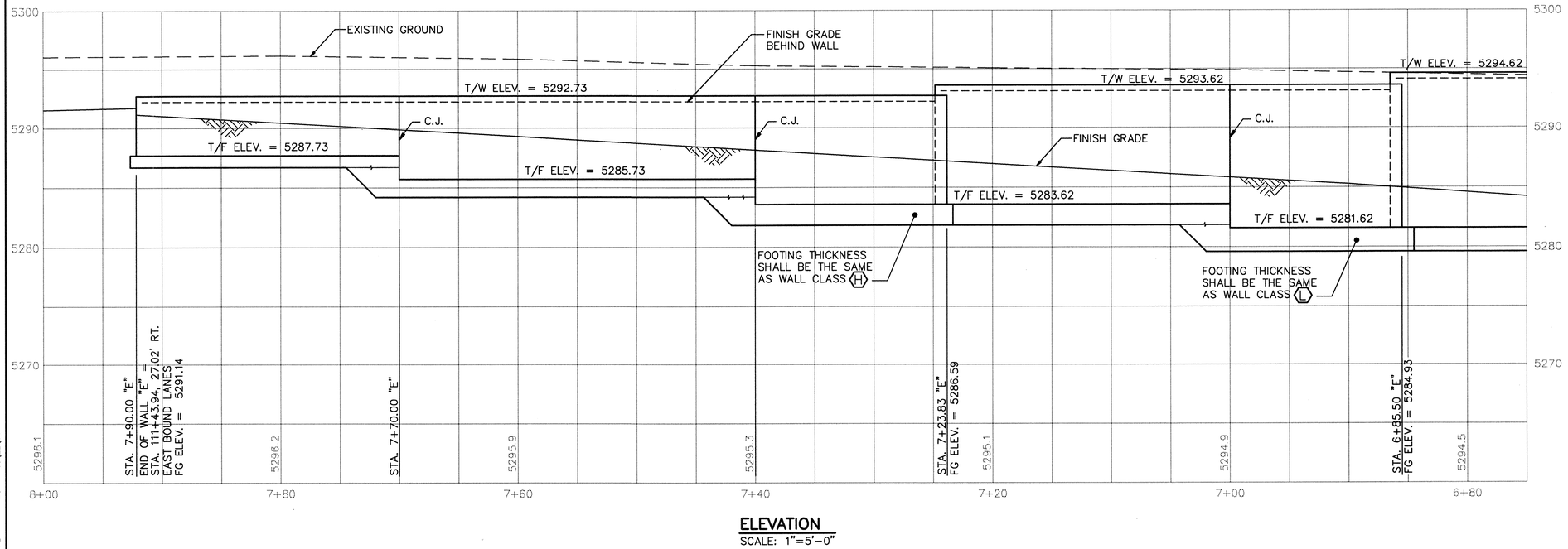
WALLEPP1 1=5 05\22\96



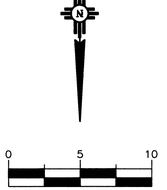
PLAN
SCALE: 1"=5'-0"



ELEVATION
SCALE: 1"=5'-0"

NOTES:

1. ELEVATION VIEW IS SHOWN LOOKING SOUTH AT EXPOSED FACE OF WALL.



W. M. Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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AS BUILT INFORMATION
CONTRACTOR WORK STARTED BY DATE
WORK ACCEPTED BY DATE
ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY F.O.Q.	DATE 03\24\96
		DRAWN BY L.A.H.	DATE 05\08\96
		CHECKED BY R.S.P.	DATE 03\27\96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BLVD

WALL "E" PLAN & ELEVATION
STA. 6+75.00 "E" TO STA. 7+90.00 "E" (E.O.W.)

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. | Zone Map No. | Sheet 2-37 Of

WALLEPP2 05\22\96 1=5

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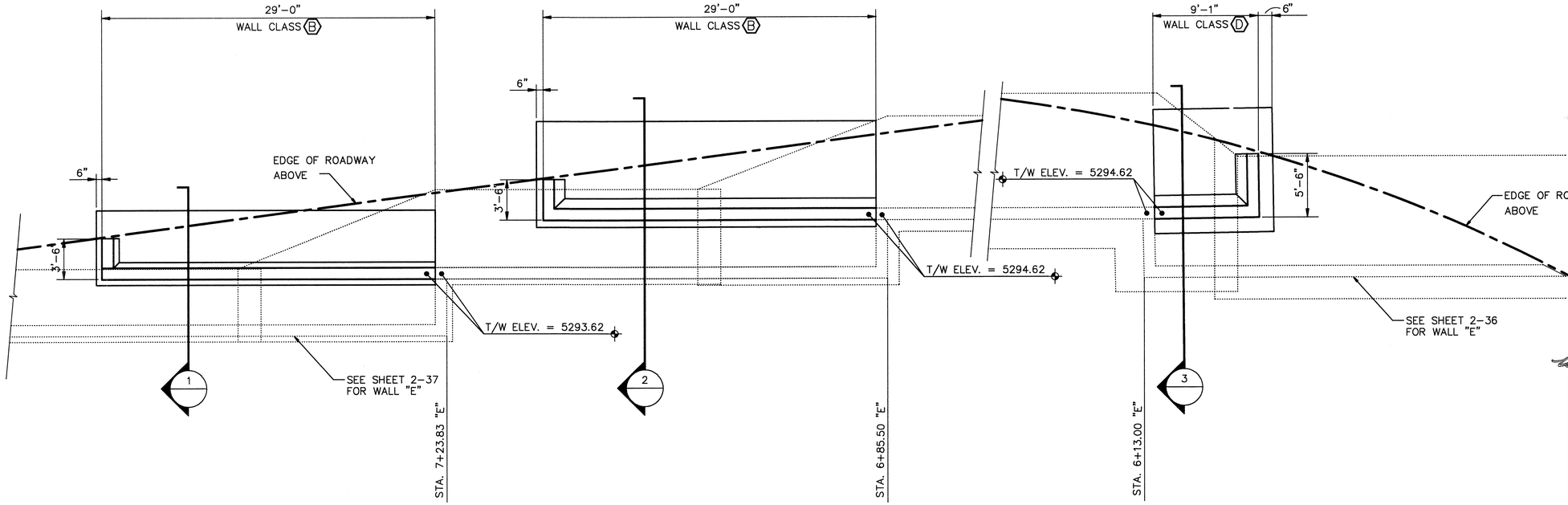

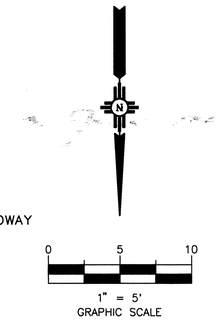

wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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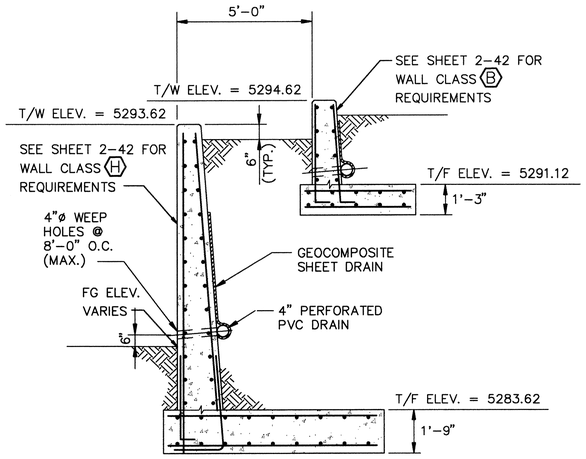
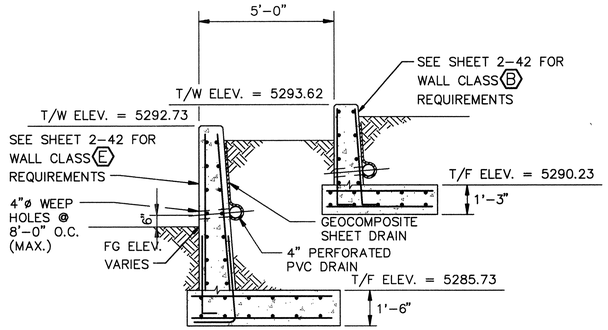
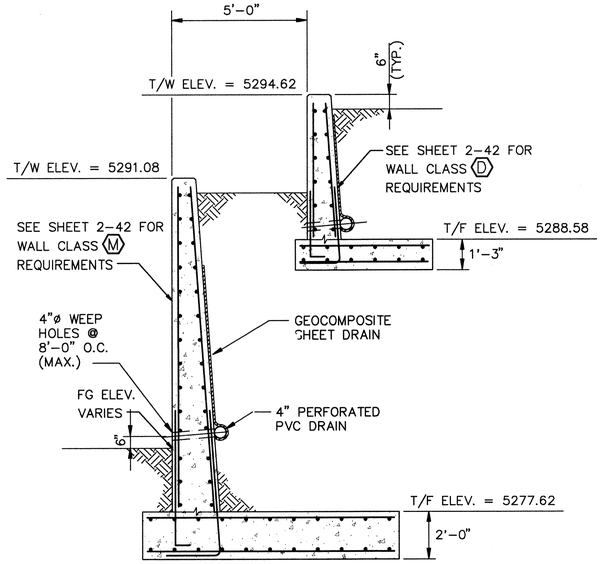
PLAN
SCALE: 1"=5'-0"



SECTION 2
SCALE: 1"=3'-0"



SECTION 1
SCALE: 1"=3'-0"



SECTION 3
SCALE: 1"=3'-0"

NOTES:

1. ELEVATION VIEW IS SHOWN LOOKING SOUTH AT EXPOSED FACE OF WALL.

AS BUILT INFORMATION

	DATE
CONTRACTOR	
WORK STAKED BY	
INSPECTED BY	DATE
ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY F.O.Q.	DATE 03\24\96
		DRAWN BY L.A.H.	DATE 05\08\96
		CHECKED BY R.S.P.	DATE 03\27\96

216-90999.91 9798

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BLVD

WALL "E" PLANTERS
PLAN, ELEVATION & SECTIONS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
		2-38	

WALLEP1.DWG 1=5 05\22\96

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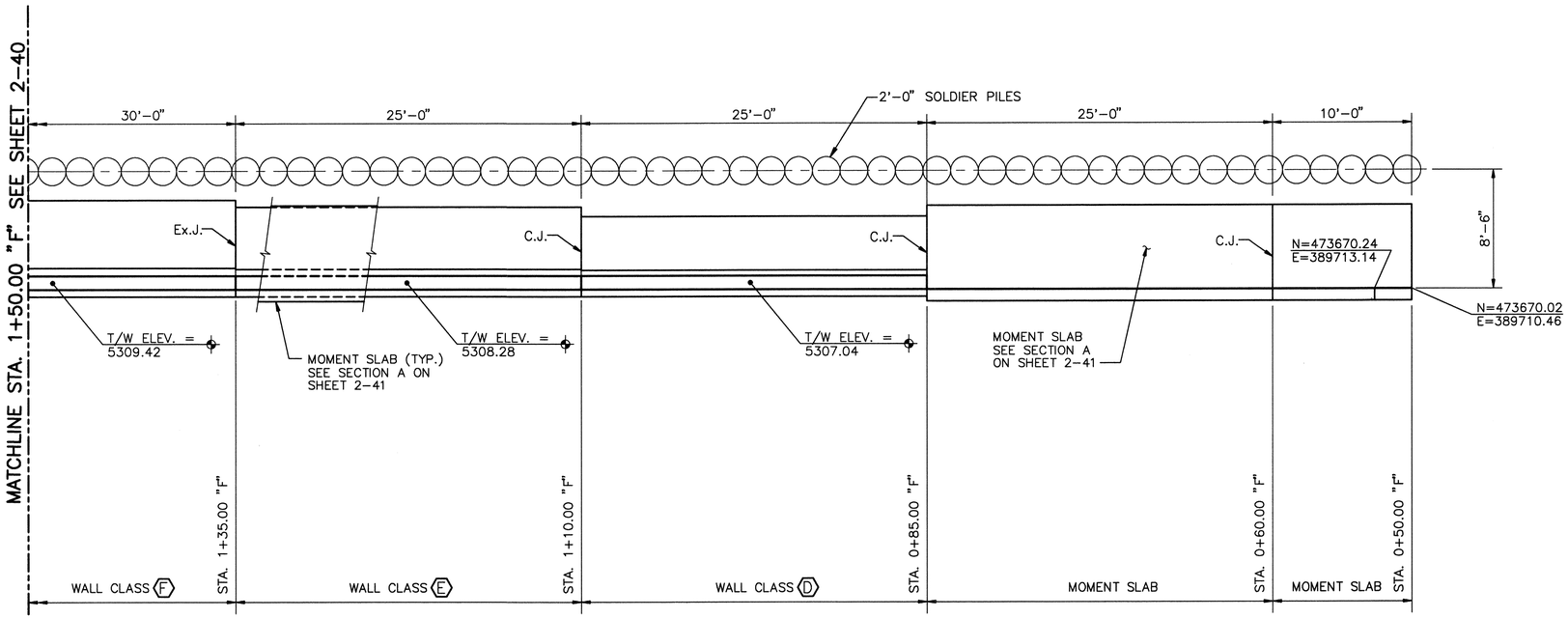
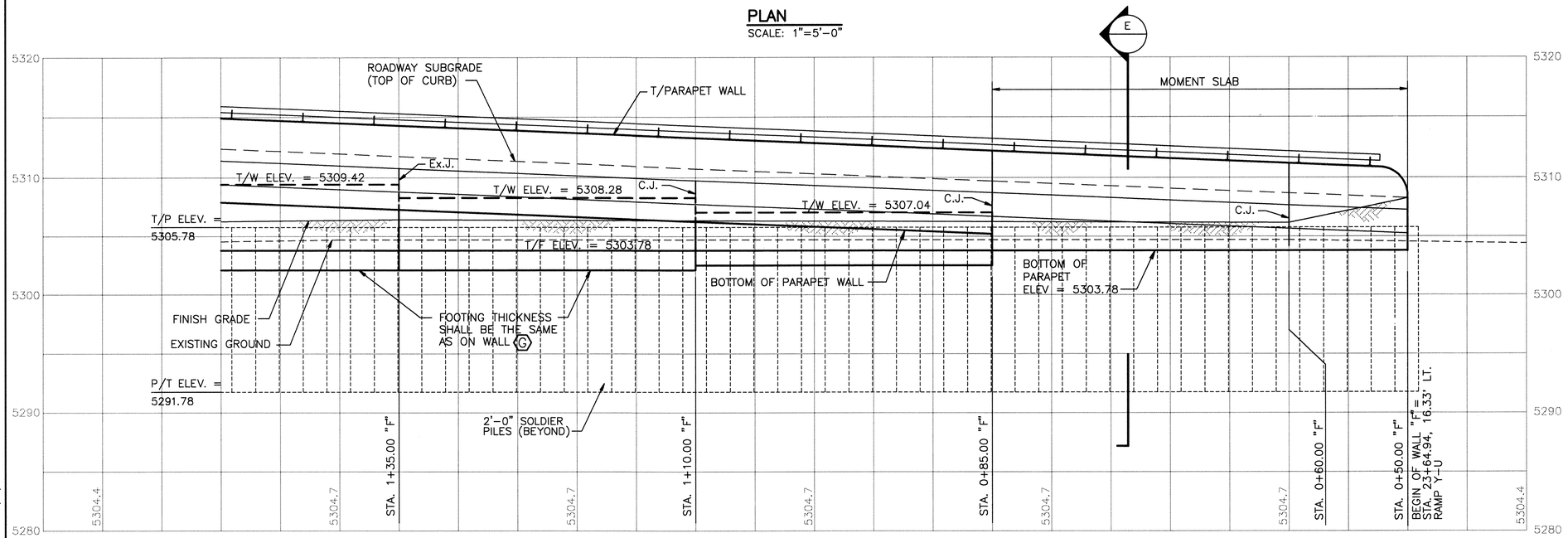


NOTE: FOR SECTION CUT SEE SHEET NO. 2-41.

PLAN
SCALE: 1"=5'-0"



ELEVATION
SCALE: 1"=5'-0"

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AS BUILT INFORMATION

CONTRACTOR
WORK STAKED BY — DATE
INSPECTED BY
ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

W. M. Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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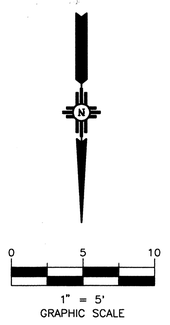


NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY F.O.Q.	DATE 03\19\96
		DRAWN BY T.D.S.	DATE 05\08\96
		CHECKED BY R.S.P.	DATE 03\19\96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

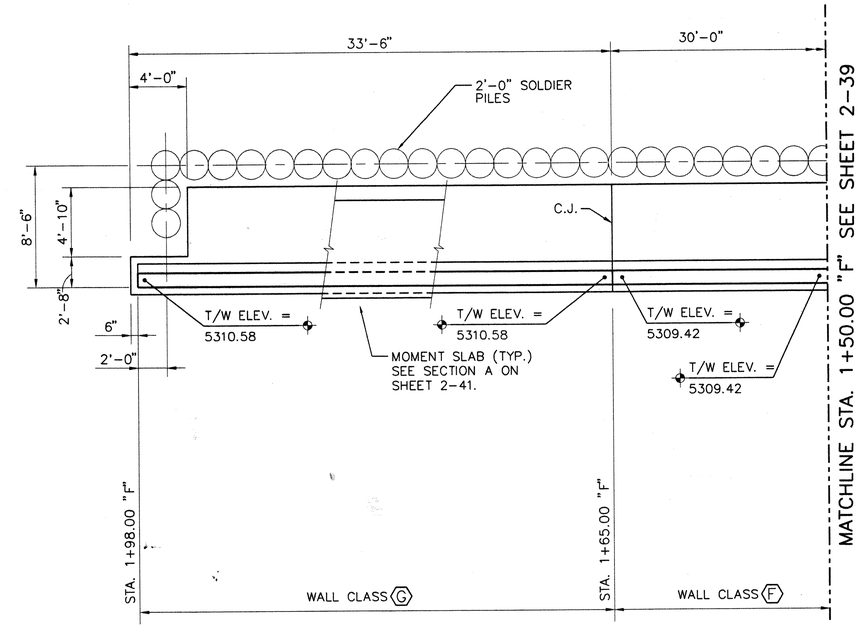
TITLE: SUNPORT BLVD

WALL "F" PLAN & ELEVATION
STA. 0+50.00 "F" (BOW) TO STA. 1+50.00 "F"

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. | Zone Map No. | Sheet 2-39 Of

WALLFPP1 1=5 05\22\96



NOTE: FOR SECTION CUT SEE SHEET NO. 2-41.

RECORD DRAWING

DATE: 11/03/97	DRAFTED BY: O.V.

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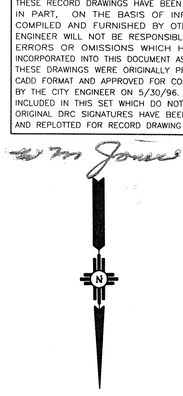
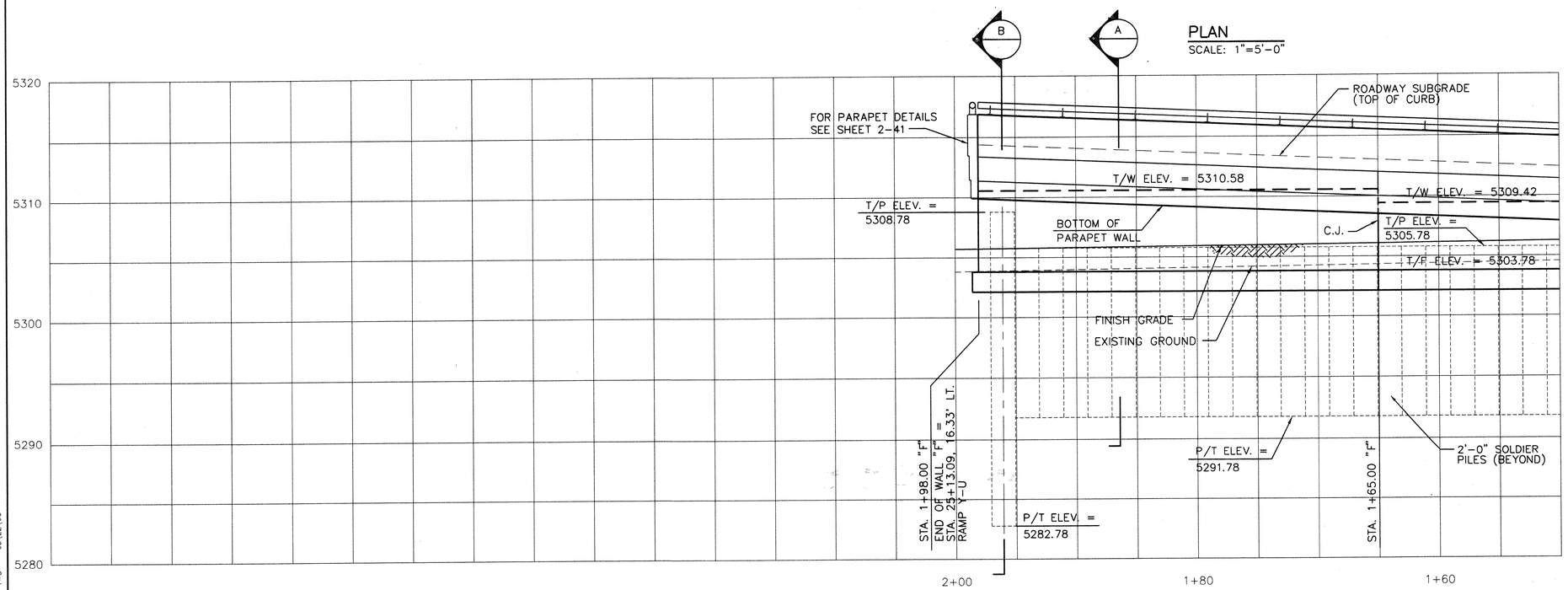
W M Jones P.E.





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AS BUILT INFORMATION

CONTRACTOR
WORK STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
MARKINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

BENCH MARKS

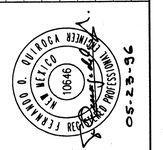
STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL



REVISIONS

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY F.Q.Q.	DATE 03\19\96
		DRAWN BY T.D.S.	DATE 05\08\96
		CHECKED BY R.S.P.	DATE 03\19\96

QPEC
QUIROGA-PFEIFFER ENGINEERING CORPORATION

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BLVD

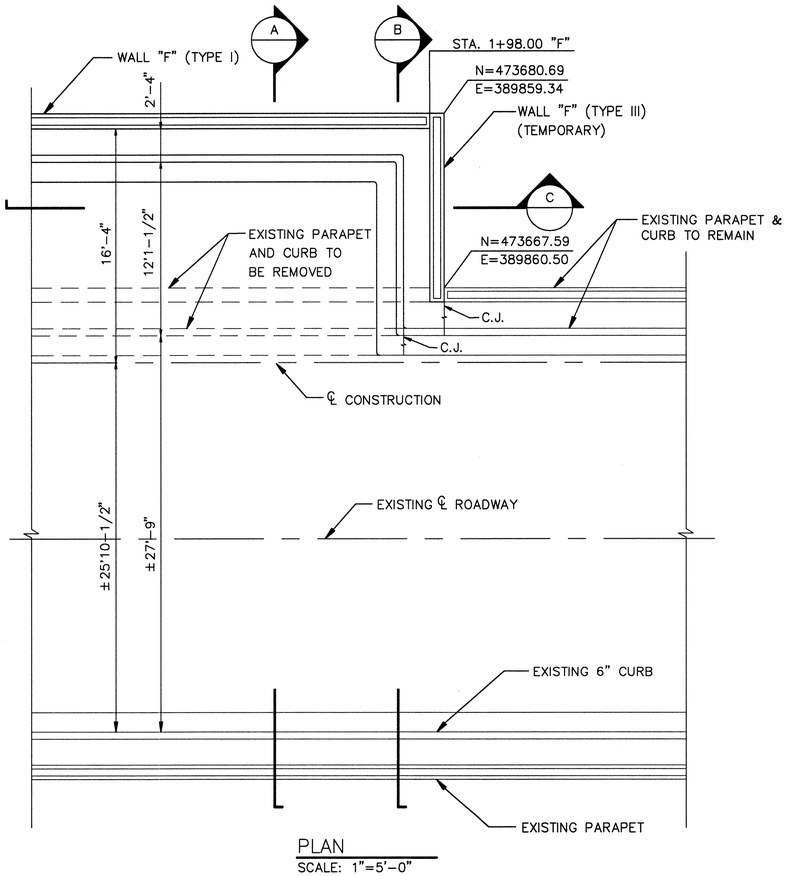
WALL "F" PLAN & ELEVATION
STA. 1+50.00 "F" TO STA. 1+98.00 "F" (EOW)

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED MAY 30 1996 DESIGN REVIEW COMMITTEE	APPROVED CITY ENGINEER			

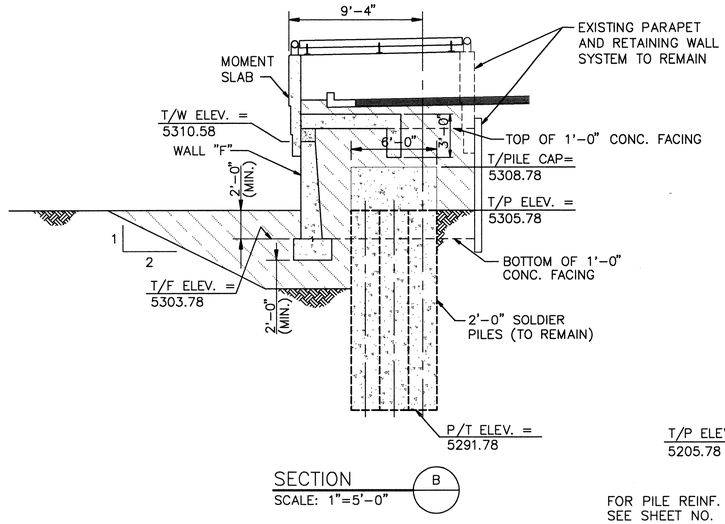
City Project No.	Zone Map No.	Sheet	Of
4044.91	M15 & M16	2-40	

26-4044.91 4998

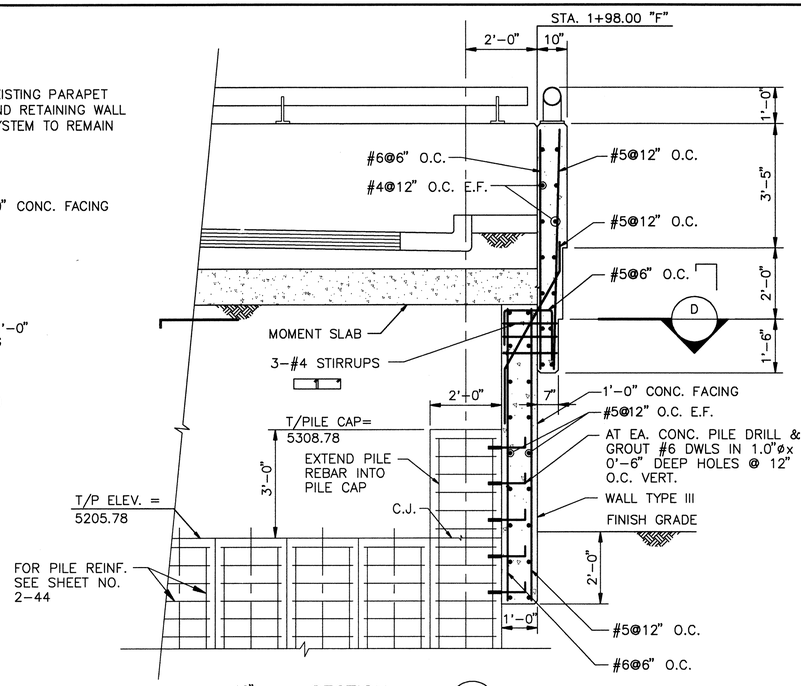
WALLFPP2 1=5 05\23\96

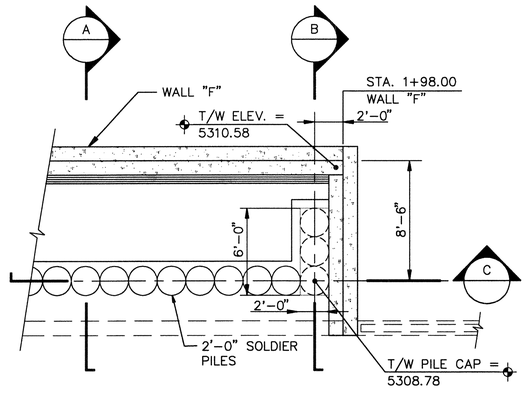


PLAN
SCALE: 1"=5'-0"

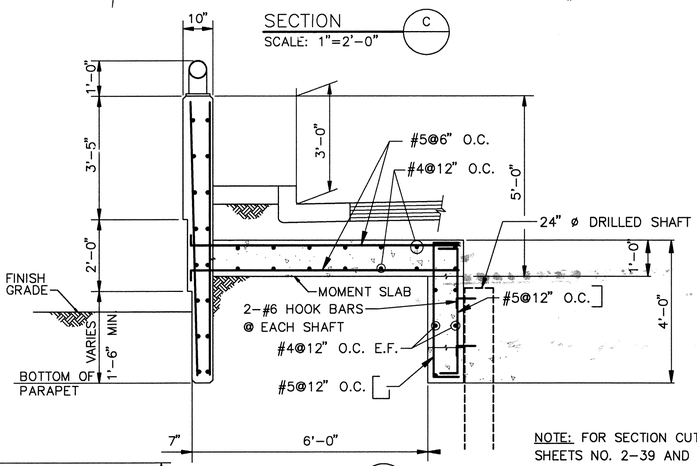


SECTION
SCALE: 1"=5'-0"

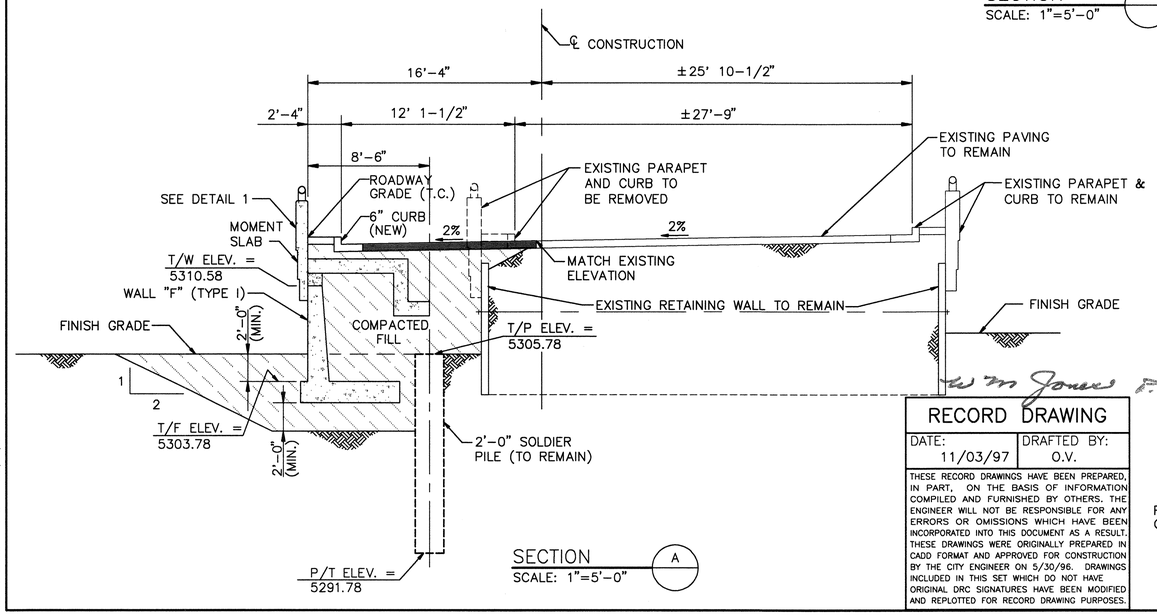




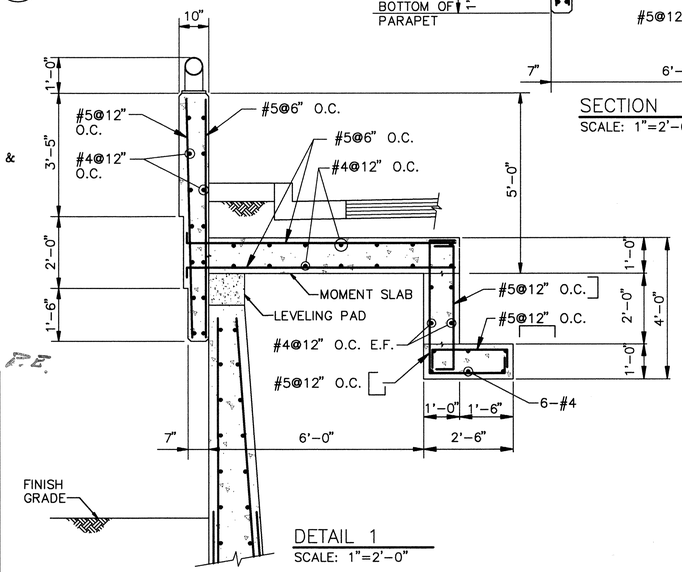
SECTION
SCALE: 1"=5'-0"



NOTE: FOR SECTION CUT SEE SHEETS NO. 2-39 AND 2-40.



SECTION
SCALE: 1"=5'-0"



DETAIL 1
SCALE: 1"=2'-0"

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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W M Jones P.E.

AS BUILT INFORMATION

CONTRACTOR WORK STARTED BY	DATE
WORK ACCEPTED BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY F.O.Q.	DATE 04\10\96
		DRAWN BY L.A.H.	DATE 05\08\96
		CHECKED BY R.S.P.	DATE 04\10\96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BLVD

WALL "F" SECTIONS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
		2-41	

WALLFSEC.DWG 1=5 05\22\96

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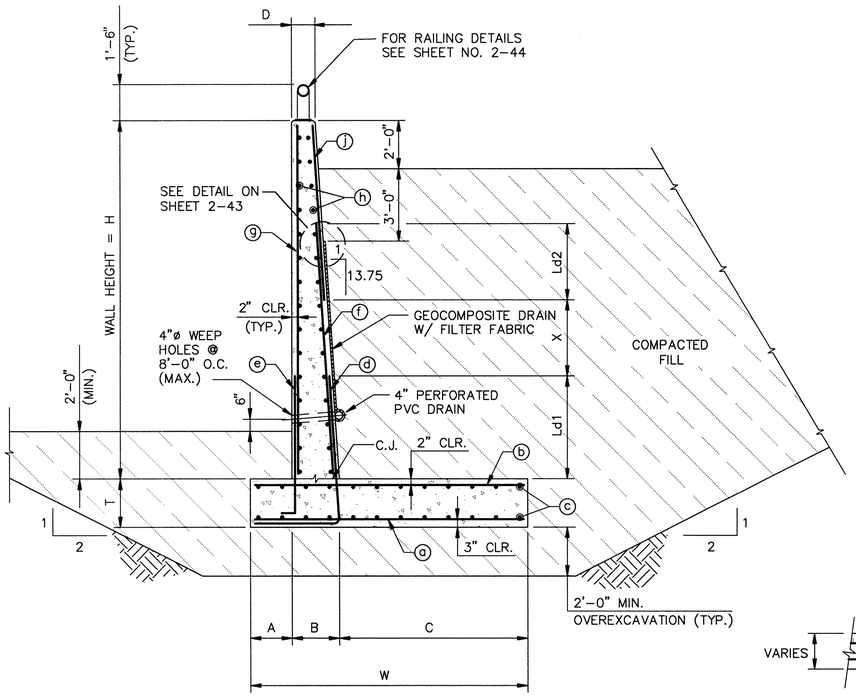
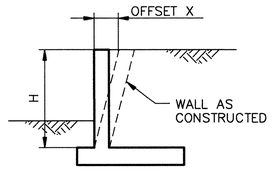


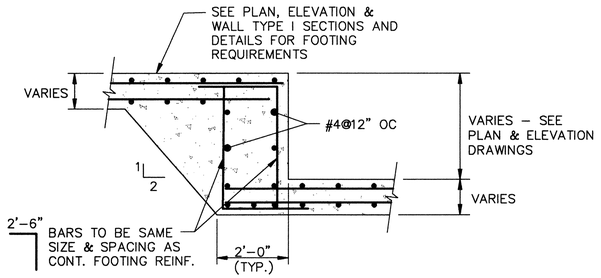
TYPICAL CANTILEVER WALL SYSTEM (TYPE I)

SCALE: 1"=3'-0"



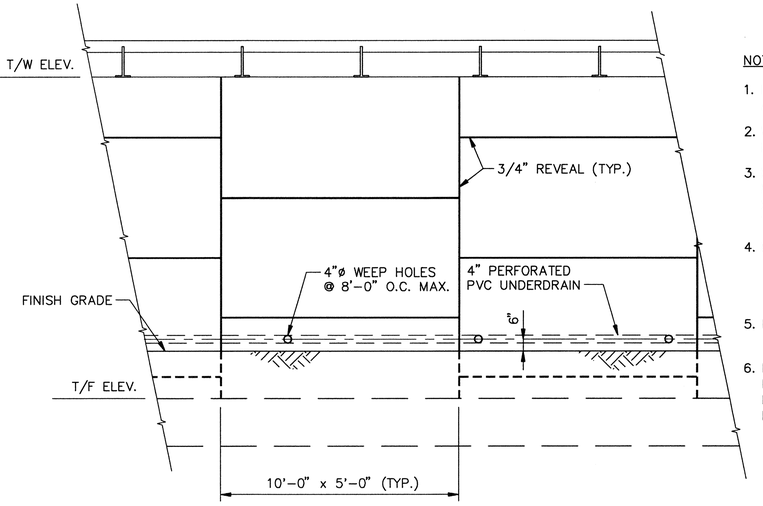
APPROXIMATE WALL OFFSET VALUES

H (Feet)	X (Inches)
3	1/8
4	1/4
6	3/8
8	1/2
10	5/8
12	3/4
14	1
16	1-1/4
18	1-1/2
20	1-3/4
22	2
24	2-1/4



DETAIL 1 - TYPICAL STEPPED FOOTING

NTS

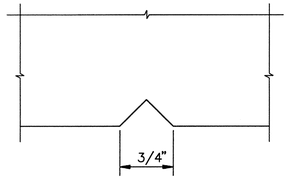


TYPICAL WALL PATTERN DETAIL

SCALE: 1"=3'-0"

NOTES:

1. EXPANSION JOINTS SHALL BE PLACED A MAXIMUM OF 90'-0" O.C.
2. WEAKENED PLANE JOINTS SHALL BE PLACED A MAXIMUM OF 30'-0" O.C.
3. FORMLINER ON EXTERIOR FACE SHALL PROVIDE 1/2" REVEALS AT 10' HORIZ. X 5' VERT. SEE TYPICAL DETAIL THIS SHEET.
4. MATERIAL STRENGTHS:
   CONCRETE CLASS AA PER NMSHTD STANDARD SPECIFICATIONS.
   STEEL fy = 60,000 psi
5. LOADS:
   MAX. VERTICAL SURCHARGE = 234 lbs/sf
6. FULL COMPENSATION FOR GEOCOMPOSITE DRAIN WITH PVC UNDERDRAIN AND FILTER FABRIC SYSTEM SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.



TYPICAL REVEAL DETAIL

SCALE: 1"=1'-0"

DIMENSIONS (FEET)								STEEL REINFORCEMENT											
WALL CLASS	H	T	A	B	C	D	W	ⓐ	ⓑ	ⓒ	ⓓ	ⓔ	ⓕ	ⓖ	ⓗ	ⓙ	Ld1	Ld2	X
Ⓐ	3.0	1.25	0.50	1.25	2.42	1.00	4.17	#4@12"	#4@12"	#4@12"	#5@12"	#5@12"	#5@12"	#5@12"	#5@12"	N/A	1'-6"	N/A	N/A
Ⓐ1	3.0	1.25	1.00	1.00	2.42	1.00	4.42	#4@12"	#4@12"	#4@12"	#5@12"	#5@12"	#5@12"	#5@12"	#5@12"	N/A	1'-6"	N/A	N/A
Ⓑ	4.0	1.25	0.50	1.25	3.08	1.00	4.83	#4@12"	#4@12"	#4@12"	#5@12"	#5@12"	#5@12"	#5@12"	#5@12"	N/A	1'-6"	N/A	N/A
Ⓑ1	4.0	1.25	1.88	1.00	2.79	1.00	5.67	#4@12"	#4@12"	#4@12"	#5@12"	#5@12"	#5@12"	#5@12"	#5@12"	N/A	1'-6"	N/A	N/A
Ⓒ	5.0	1.25	0.50	1.33	3.42	1.00	5.25	#4@12"	#4@12"	#4@12"	#5@12"	#5@12"	#5@12"	#5@12"	#5@12"	N/A	1'-6"	N/A	N/A
Ⓓ	6.0	1.25	0.50	1.42	3.83	1.00	5.75	#4@12"	#4@12"	#4@12"	#5@12"	#5@12"	#5@12"	#5@12"	#5@12"	N/A	1'-6"	N/A	N/A
Ⓔ	7.0	1.50	0.50	1.50	4.42	1.00	6.42	#4@12"	#4@12"	#4@12"	#5@12"	#5@12"	#5@12"	#5@12"	#5@12"	N/A	1'-6"	N/A	N/A
Ⓕ	8.0	1.50	0.50	1.58	4.84	1.00	6.92	#4@12"	#5@12"	#4@12"	#5@12"	#5@12"	#5@12"	#5@12"	#5@12"	N/A	1'-6"	N/A	N/A
Ⓖ	9.0	1.66	0.50	1.66	5.34	1.00	7.50	#4@12"	#5@12"	#4@12"	#5@12"	#5@12"	#5@12"	#5@12"	#5@12"	N/A	1'-6"	N/A	N/A
Ⓗ	10.0	1.75	0.50	1.75	5.92	1.00	8.17	#4@12"	#6@12"	#4@12"	#5@12"	#5@12"	#5@12"	#5@12"	#5@12"	N/A	1'-6"	N/A	N/A
Ⓙ	11.0	1.83	0.50	1.83	6.17	1.00	8.50	#4@12"	#6@12"	#4@12"	#6@12"	#5@12"	#5@12"	#5@12"	#5@12"	N/A	1'-6"	N/A	N/A
Ⓚ	12.0	1.83	0.58	1.87	6.72	1.00	9.17	#4@12"	#7@12"	#4@12"	#6@12"	#5@12"	#5@12"	#5@12"	#5@12"	N/A	2'-0"	N/A	N/A
Ⓛ	13.0	2.00	1.00	1.95	7.05	1.00	10.00	#4@12"	#7@12"	#4@12"	#7@12"	#5@12"	#5@12"	#5@12"	#5@12"	N/A	3'-0"	N/A	N/A
Ⓜ	14.0	2.00	1.25	2.00	7.50	1.00	10.75	#4@12"	#7@12"	#4@12"	#7@12"	#5@12"	#7@12"	#5@12"	#5@12"	#5@12"	2'-6"	1'-6"	1'-6"
Ⓝ	15.0	2.00	1.75	2.08	7.84	1.00	11.67	#4@12"	#7@12"	#4@12"	#7@12"	#5@12"	#7@12"	#5@12"	#5@12"	#5@12"	2'-6"	1'-6"	1'-6"
Ⓟ	16.0	2.00	1.92	2.16	8.25	1.00	12.33	#4@12"	#8@12"	#4@12"	#7@12"	#5@12"	#7@12"	#5@12"	#5@12"	#5@12"	2'-6"	1'-6"	2'-0"
Ⓠ	17.0	2.25	2.50	2.25	8.67	1.00	13.42	#4@12"	#8@12"	#4@12"	#8@12"	#5@12"	#8@12"	#5@12"	#5@12"	#5@12"	3'-6"	1'-6"	2'-0"
Ⓡ	18.0	2.25	2.75	2.33	9.09	1.00	14.17	#4@12"	#8@12"	#4@12"	#8@12"	#5@12"	#8@12"	#5@12"	#5@12"	#5@12"	3'-6"	1'-6"	3'-0"
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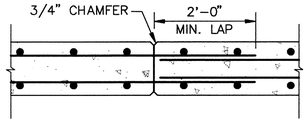
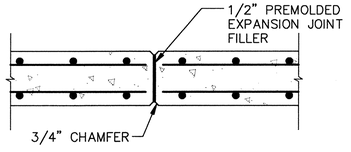
Ⓣ	20.0	2.50	3.50	2.45	9.97	1.00	15.92	#4@12"	#9@12"	#4@12"	#9@12"	#5@12"	#9@12"	#5@12"	#5@12"	#5@12"	5'-0"	1'-6"	3'-6"
Ⓤ	21.0	2.50	3.83	2.50	10.42	1.00	16.75	#4@12"	#9@12"	#4@12"	#9@12"	#5@12"	#9@12"	#5@12"	#5@12"	#5@12"	5'-0"	1'-6"	4'-6"
Ⓥ	22.0	2.50	4.25	2.60	10.73	1.00	17.58	#4@12"	#10@12"	#4@12"	#10@12"	#5@12"	#10@12"	#5@12"	#5@12"	#5@12"	5'-3"	1'-6"	5'-3"
Ⓦ	23.0	2.50	4.66	2.67	11.17	1.00	18.50	#4@12"	#10@12"	#4@12"	#10@12"	#5@12"	#10@12"	#5@12"	#5@12"	#5@12"	5'-3"	1'-6"	6'-3"



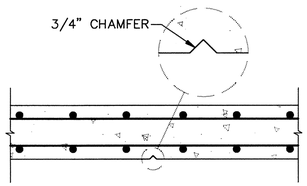
TYPICAL CONSTRUCTION JOINT

SCALE: 3/4"=1'-0"



TYPICAL EXPANSION JOINT

SCALE: 3/4"=1'-0"



TYPICAL WEAKENED PLANE JOINT

SCALE: 3/4"=1'-0"

ENGINEER'S SEAL

26-4044.91 5/98

W M Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
O.V.	XXX

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AS BUILT INFORMATION

CONTRACTOR — DATE
WORK ORDER NO.
STAKED BY — DATE
INSPECTOR'S DIARY NO.
FIELD REVISION BY — DATE
FINAL DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

BENCH MARKS

SURVEY INFORMATION

NO.	FIELD NOTES BY	DATE

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY F.O.Q. DATE 04\01\96
DRAWN BY L.A.H. DATE 05\08\96
CHECKED BY R.S.P. DATE 04\02\96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BLVD

WALL TYPE I
TYPICAL SECTIONS AND DETAILS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
		2-42	

1"=3" 05\22\96
TYPE1.DWG

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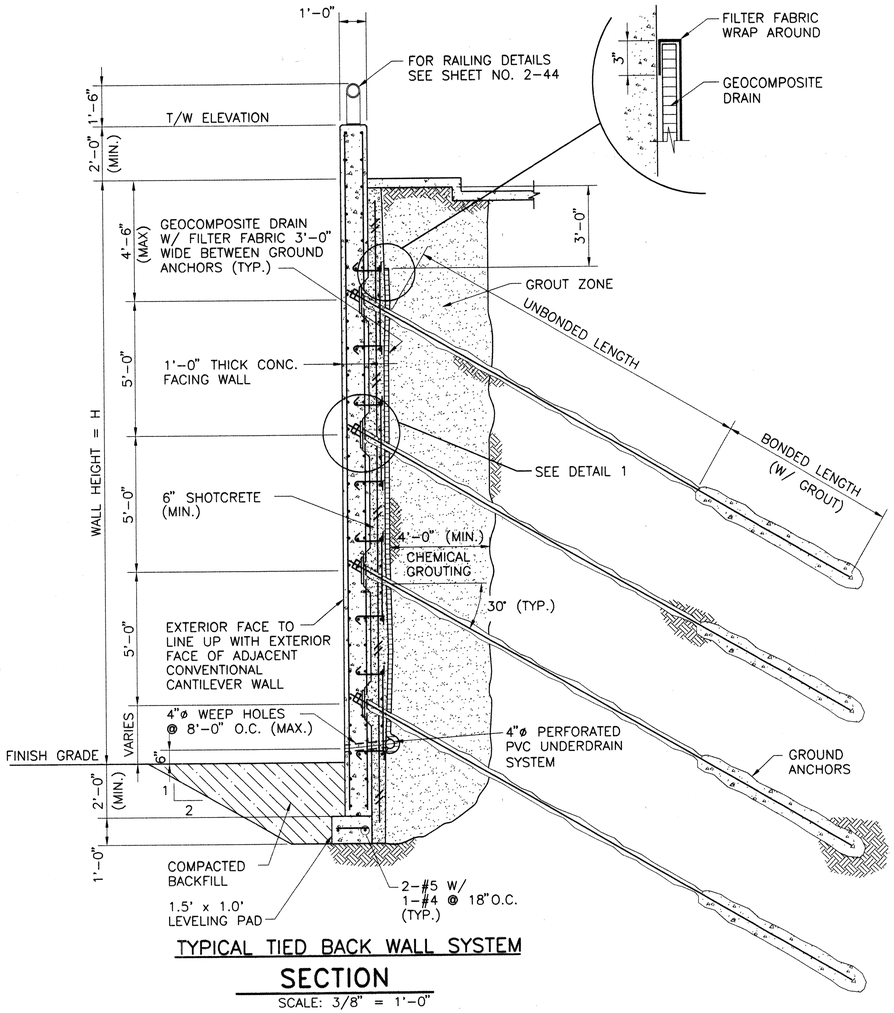
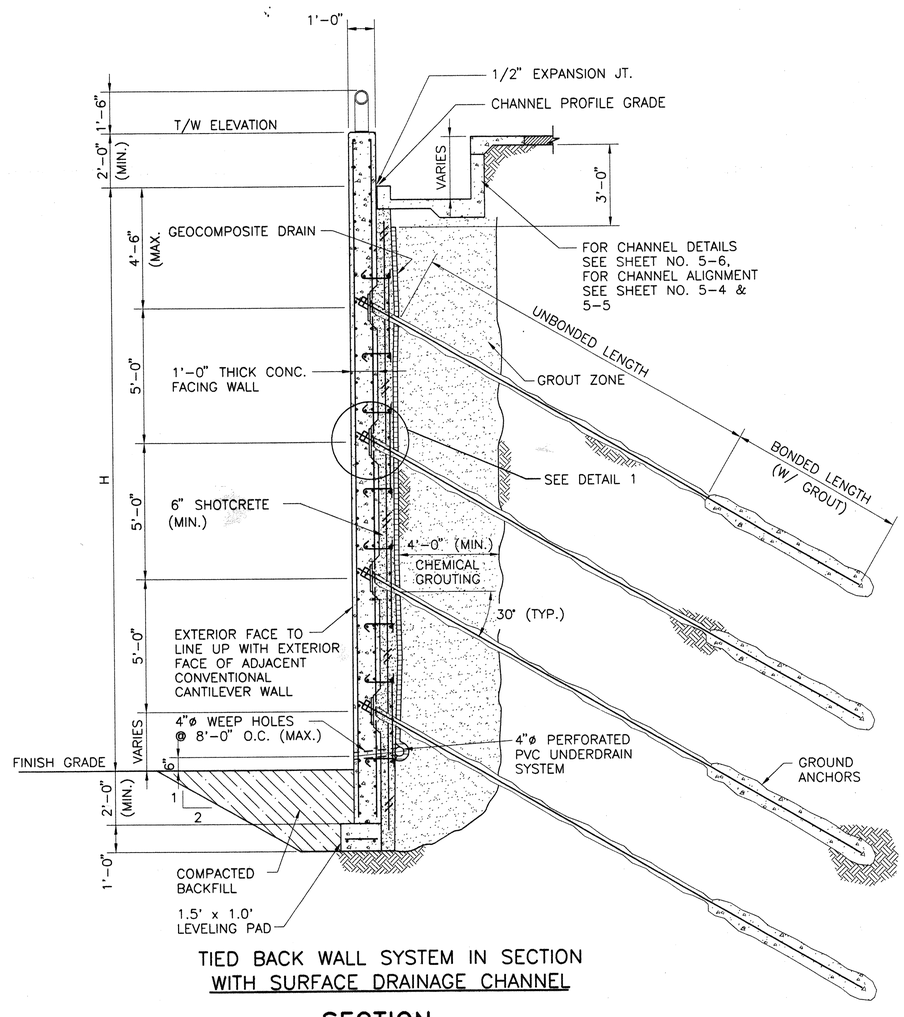
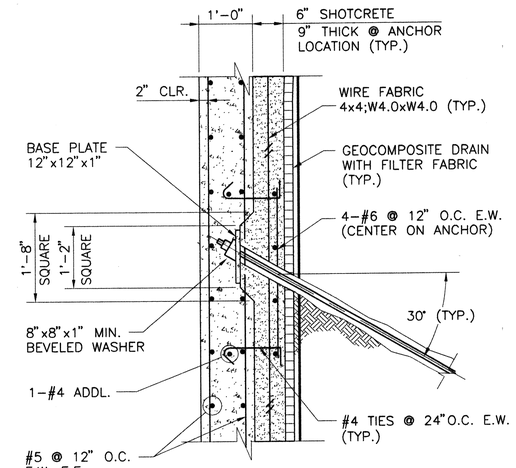


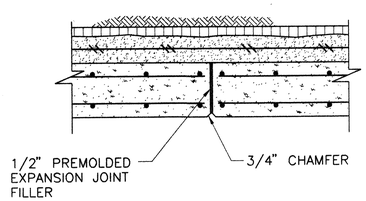
TYPICAL TIED BACK WALL SYSTEM
SECTION
SCALE: 3/8" = 1'-0"



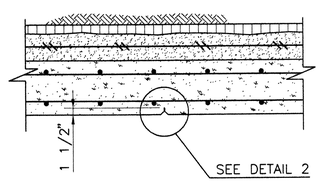
TIED BACK WALL SYSTEM IN SECTION WITH SURFACE DRAINAGE CHANNEL
SECTION
SCALE: 3/8" = 1'-0"



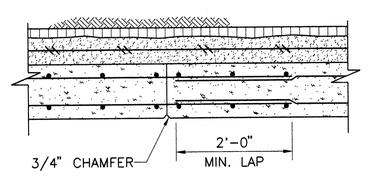
DETAIL 1
SCALE: 3/4" = 1'-0"



TYP. EXPANSION JOINT
SCALE: 3/4" = 1'-0"



TYP. WEAKENED PLANE JOINT
SCALE: 3/4" = 1'-0"



TYP. CONSTRUCTION JOINT
SCALE: 3/4" = 1'-0"

GROUND ANCHOR SCHEDULE

WALL HEIGHT H (FT)	ANCH. SPACING (HOR. x VERT.)	ULTIMATE CAPACITY (k)	TRANSFER LOAD (k)	ESTIMATED TOTAL LENGTH	MIN. UNBONDED LENGTH (FT.)	BONDED LENGTH	ANGLE FROM HORIZONTAL
15 TO 20	8' x 5'	116	95	TBD	20	TBD	30°
20 TO 29	6' x 5'	**120**	**98**	TBD	20	TBD	30°

TBD = TO BE DETERMINED BY CONTRACTOR

NOTES:

1. PRIOR TO EXCAVATING, CHEMICAL GROUT 4.0 FEET OF GROUND BEHIND THE WALL OVER THE ENTIRE DEPTH.
2. EXCAVATE AND INSTALL GROUND ANCHORS UTILIZING TOP DOWN CONSTRUCTION METHOD.
3. COST FOR PROVIDING AND INSTALLING THE ANCHORS, ANCHOR HEADS, NUTS, PLATES, GREASE, GROUT, CAPS, COUPLERS, CENTRALIZERS, TUBES AND TROMPETS SHALL BE INCLUDED IN THE COST FOR GROUND ANCHORS.
4. SET BASE PLATES INTO SHOTCRETE PRIOR TO HARDENING FOR FULL CONTACT BEARING.
5. CONTRACTOR TO REVIEW GEOTECHNICAL REPORTS FOR INFORMATION TO DETERMINE BONDED LENGTHS.
6. WEAKENED PLANE JOINT SHALL BE PLACED A MAXIMUM OF 30'-0" O.C.
7. EXPANSION JOINTS SHALL BE PLACED A MAXIMUM OF 90'-0" O.C.
8. FORMLINER ON EXTERIOR FACE SHALL PROVIDE 3/4" REVEALS AT 10' HORIZONTAL x 5' VERTICAL. SEE TYPICAL REVEAL AND WALL PATTERN DETAIL ON SHEET 2-42
9. FULL COMPENSATION FOR GEOCOMPOSITE DRAIN WITH PVC UNDERDRAIN AND FILTER FABRIC SYSTEM SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. FOR THE TYPICAL LAYOUT OF THE UNDERDRAIN SYSTEM SEE TYPICAL WALL PATTERN DETAIL ON SHEET 2-42.
10. MATERIAL STRENGTHS PER NMSHTD STANDARD SPECIFICATIONS:
    - CONCRETE CLASS A FOR 1'-0" THICK CONCRETE FACING WALL
    - SHOTCRETE MIN. fc' = 4,000 psi
    - STEEL REINFORCIMENT MIN. fy = 60,000 psi

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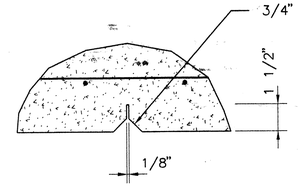

DETAIL 2
SCALE: 3" = 1'-0"

AS SHOWN@1:22\96

WALCDET1

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)

PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

AS BUILT INFORMATION

CONTRACTOR		
WORK STAKED BY		DATE
INSPECTOR'S FIELD TASKS BY		DATE
VERIFICATION BY		DATE
FIELD WORKS CORRECTED BY		DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

ENGINEER'S SEAL

NEW MEXICO EDWARD O. QUIROGA 10646 REGISTERED PROFESSIONAL ENGINEER

05-28-96

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY F.O.Q.	DATE 4.21.96
		DRAWN BY T.D.S.	DATE 05.08.96
		CHECKED BY R.S.P.	DATE 4.21.96

QPEC QUIROGA - PFEIFFER ENGINEERING CORPORATION

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BLVD.

WALL TYPE II
TYPICAL SECTIONS & DETAILS

wm Jones P.E

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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Design Review Committee: APPROVED MAY 30 1996 DESIGN REVIEW COMMITTEE

City Engineer Approval: APPROVED CITY ENGINEER

Last Design Update

Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 4044.91 | Zone Map No. M15 & M16 | Sheet 2-43 Of

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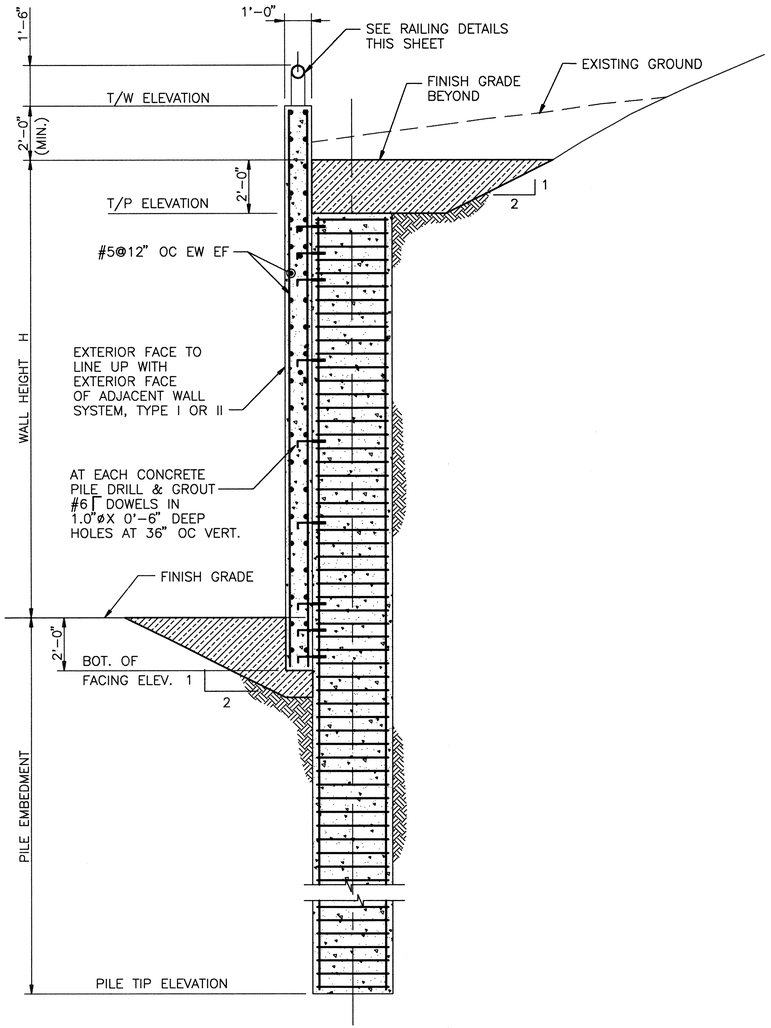
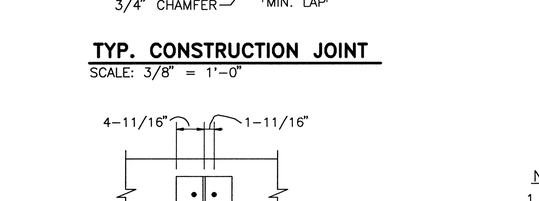
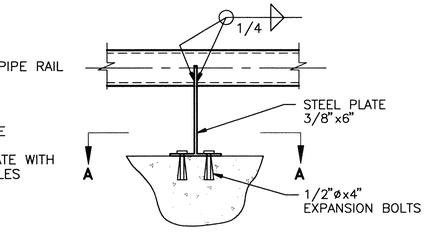


TYPICAL SOLDIER PILE WALL SYSTEM
SCALE: 3/8" = 1'-0"



TYP. EXPANSION JOINT
SCALE: 3/8" = 1'-0"



TYP. WEAKENED PLANE JOINT
SCALE: 3/8" = 1'-0"

TYP. CONSTRUCTION JOINT
SCALE: 3/8" = 1'-0"

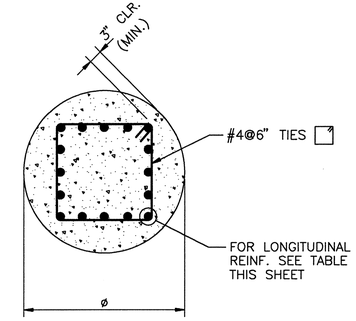
SECTION A-A

TYPICAL SECTION

END DETAIL

INTERMEDIATE PLATES

TYPICAL RAILING DETAILS
SCALE: 1" = 1'-0"



TYPICAL DRILLED PILE SECTION
SCALE: 3/4" = 1'-0"

WALL HEIGHT H (ft)	ø (In)	BAR SIZE	NUMBER OF BARS
3'-0" TO 16'-0"	24	8	16
16'-0" TO 20'-0"	36	8	16
21'-0"	36	9	16
22'-0"	36	9	24
23'-0"	36	9	24
24'-0"	36	9	24

NOTES:

1. WEAKENED PLANE JOINT SHALL BE PLACED A MAXIMUM OF OF 30'-0" O.C.
2. EXPANSION JOINTS SHALL BE PLACED A MAXIMUM OF 90'-0" O.C.
3. FORMLINER ON EXTERIOR FACE SHALL PROVIDE 3/4" REVEALS @ 10' HORIZ. x 5' VERT. SEE TYPICAL REVEAL AND WALL PATTERN DETAIL ON SHEET 2-42.
3. MATERIAL STRENGTHS PER NMSHTD:
   - CONCRETE CLASS G FOR DRILLED PILES
   - CONCRETE CLASS A FOR 1'-0" THICK CONCRETE FACING WALL
   - STEEL REINFORCEMENT MIN. fy^1 = 60,000 psi
3. FULL COMPENSATION FOR PROVIDING AND INSTALLING GROUTED DOWELS SHALL BE CONSIDERED INCIDENTAL IN THE CONTRACT UNIT PRICES PAID FOR STRUCTURAL CONCRETE.

2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-4044.91 5398

RECORD DRAWING

DATE: 11/03/97	DRAFTED BY: O.V.

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AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY DATE
WORK COMPLETED BY
ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
1	8/96	TABLE ADDED	FOQ

REVISIONS

DESIGN
DESIGNED BY F.O.Q. DATE 04\01\96
DRAWN BY L.A.H. DATE 05\09\96
CHECKED BY R.S.P. DATE 04\02\96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BLVD

WALL TYPE III
TYPICAL SECTIONS AND DETAILS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. | Zone Map No. | Sheet 2-44 Of

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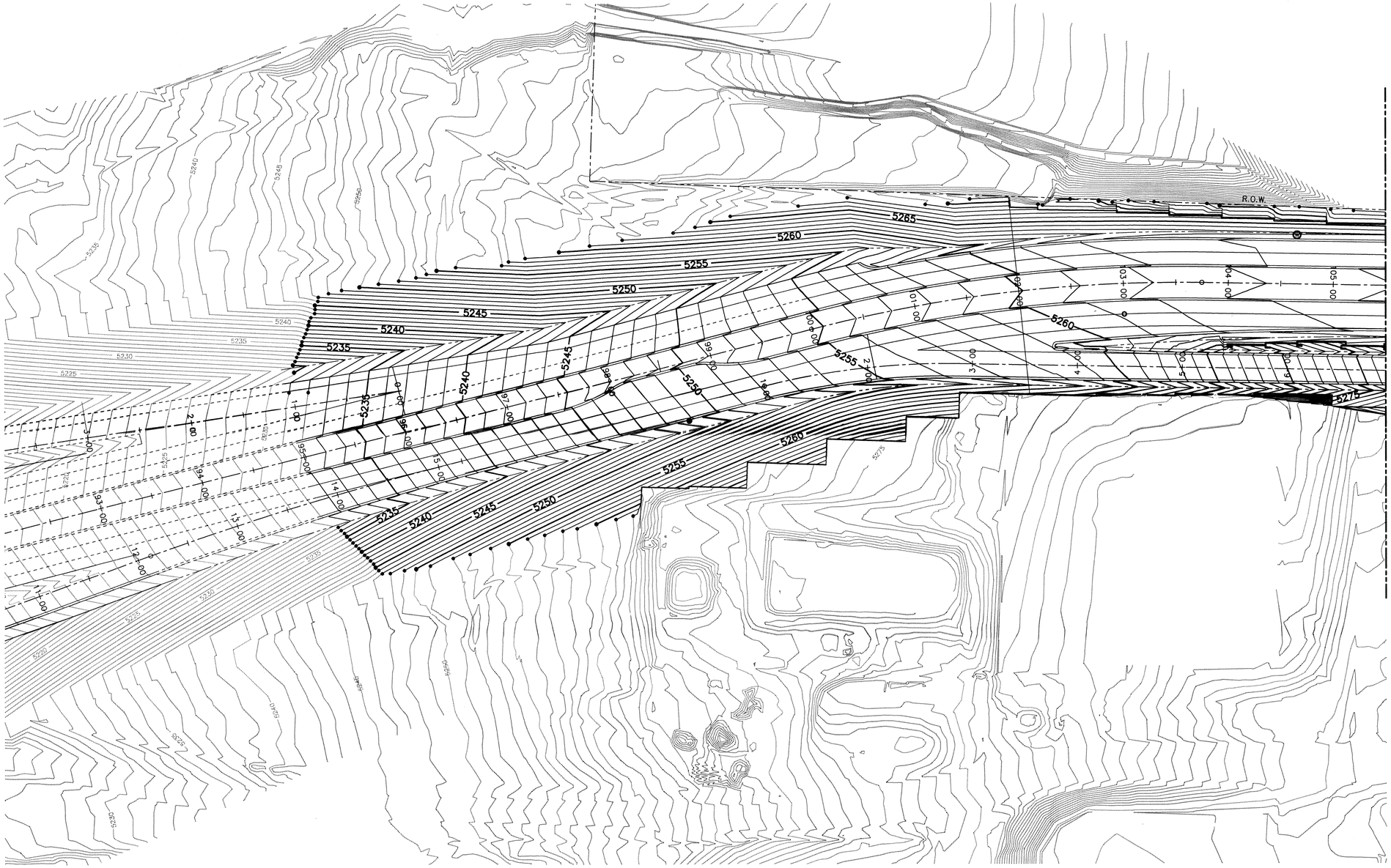
CHANGE ORDER NO. 1

#WALDET1.DWG 1=1 05\22\96



26-40444.97 51998

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 19.39", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)

PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

AS BUILT INFORMATION

CONTRACTOR

WORK STAKED BY — DATE

INSPECTED BY

ACCEPTANCE BY — DATE

FIELD VERIFICATION BY — DATE

DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

DESIGNED BY O.V. DATE 5/25/96

DRAWN BY STAFF DATE 5/25/96

CHECKED BY TDS DATE 5/25/96

ENGINEER'S SEAL

THEODORE D. SCHMENK NEW MEXICO 4739 REGISTERED PROFESSIONAL ENGINEER

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **SUNPORT BOULEVARD – PHASE II**

GRADING PLAN

STA. 95+00.00 TO STA. 105+50.00

wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	2-47	

SPGRAD1 1=50/1=1 5/25/96

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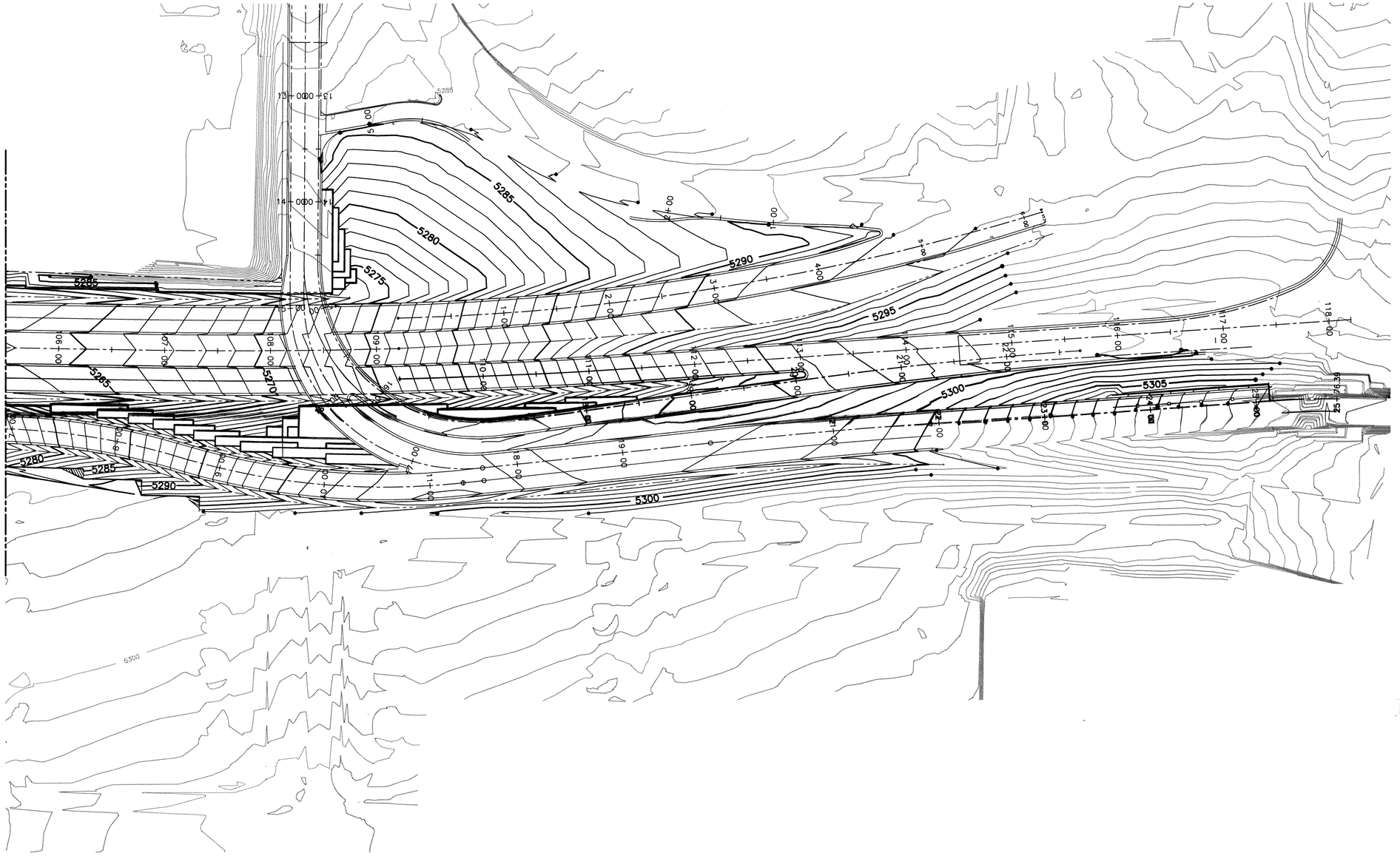
MATCHLINE STA. 105+50.00 SEE SHEET 2-47



26-4044.91 5 5 9 9

0 50 100
1" = 50'
GRAPHIC SCALE

ENGINEER'S SEAL

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL=5310.21

AS BUILT INFORMATION

CONTRACTOR
WORK STAKED BY — DATE
INSPECTORS
ASSISTANTS — DATE
FIELD VERIFICATION BY — DATE
STAKING DRAWINGS
CORRECTED BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY O.V. DATE 5/25/96
DRAWN BY STAFF DATE 5/25/96
CHECKED BY TDS DATE 5/25/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II
GRADING PLAN
STA. 105+50.00 TO E.O.P.

W.M. Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT. THESE DRAWINGS WERE ORIGINALLY PREPARED IN CADD FORMAT AND APPROVED FOR CONSTRUCTION BY THE CITY ENGINEER ON 5/30/96. DRAWINGS INCLUDED IN THIS SET WHICH DO NOT HAVE ORIGINAL DRC SIGNATURES HAVE BEEN MODIFIED AND REPLOTTED FOR RECORD DRAWING PURPOSES.

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	2-48	

SPGRA02 1=50/1=1 5/25/96

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TEMPORARY EROSION & SEDIMENT CONTROL MEASURES ESTIMATED QUANTITIES

STATION	TO	STATION	LOCATION	DESCRIPTION	603000 FILTER DAM LIN. FT.	603100 TEMPORARY SOIL STABILENT ACRES	603090 BEIZM LIN. FT.
94 + 95		–	SUNPORT BLVD	FILTER DAM (1)	30		
95 + 25		–	SUNPORT BLVD	FILTER DAM (1)	50		
95 + 00		101 + 75	SUNPORT BLVD	FILTER DAM (1)	675		
96 + 21.82		–	SUNPORT BLVD	FILTER DAM (1)	30		
97 + 50			SUNPORT BLVD	FILTER DAM (1)	80		
199 + 50			SUNPORT BLVD	FILTER DAM (1)	115		
101 + 50			SUNPORT BLVD	FILTER DAM (1)	55		
3 + 00			RAMP S–4	FILTER DAM (1)	25		
102 + 85			SUNPORT BLVD	FILTER DAM (1)	30		
103 + 50			SUNPORT BLVD	FILTER DAM (1)	55		
5 + 00			RAMP S–4	FILTER DAM (1)	10		
103 + 96			SUNPORT BLVD	FILTER DAM (1)	40		
105 + 57			SUNPORT BLVD	FILTER DAM (1)	60		
7 + 00			RAMP S–4	FILTER DAM (1)	25		
9 + 00			RAMP S–4	FILTER DAM (1)	25		
9 + 25			RAMP S–4	FILTER DAM (1)	30		
107 + 50			SUNPORT BLVD	FILTER DAM (1)	25		
108 + 00			SUNPORT BLVD	FILTER DAM (1)	40		
13 + 61			YALE BLVD	FILTER DAM (1)	25		
12 + 50			YALE BLVD	FILTER DAM (1)	30		
109 + 15			SUNPORT BLVD	FILTER DAM (1)	60		
109 + 25			SUNPORT BLVD	FILTER DAM (1)	30		
110 + 00			SUNPORT BLVD	FILTER DAM (1)	15		
110 + 50			SUNPORT BLVD	FILTER DAM (1)	33		
19 + 07			RAMP Y–4	FILTER DAM (1)	70		
2 + 50			SUNPORT BLVD (W.B.)	FILTER DAM (1)	30		
19 + 30			RAMP Y–L	FILTER DAM (1)	30		
112 + 50			SUNPORT BLVD	FILTER DAM (1)	50		
113 + 65			SUNPORT BLVD	FILTER DAM (1)	30		
114 + 50		117 + 00	SUNPORT BLVD (E.B.)	FILTER DAM (1)	250		
95 + 00		101 + 75	SUNPORT BLVD	BERM			675
B.O.P.		E.O.P.	SUNPORT BLVD			4.0	
				TOTAL	2728	4.0	675
				USE	2,800	4.0	700

(1) TO BE USED IN MULTIPLE CONSTRUCTION STAGES

NOTES:

RAINFALL AND RUNOFF DATA –
RAINFALL: 2 YR. – 24 HR.: 1.2 INCHES

HYDROLOGIC SOIL CLASSIFICATION (SCS):
STA 95+00 TO E.O.P. = A

SCS CURVE NUMBER AND DIRECT RUNOFF – DISTURBED AREAS:

DURING CONSTRUCTION:
STA 95+00 TO E.O.P. – CW=80 q=0.17 INCHES

FOLLOWING CONSTRUCTION:
STA 95+00 TO E.O.P. – CN=96 q=1.6 INCHES

SOIL CHARACTERISTICS –

THE SOILS WITHIN THE PROJECT LIMITS GENERALLY CONSIST OF SANDY LOAM AND. LOAMY FINE SAND AND GRAVELY SAND CUT & FILL LAND. RUN OFF IS SLOW TO VERY RAPID AND THE HAZARD OF EROSION IS SLIGHT TO SEVERE.

26-4044.91 5698

W. M. Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT. THESE DRAWINGS WERE ORIGINALLY PREPARED IN CADD FORMAT AND APPROVED FOR CONSTRUCTION BY THE CITY ENGINEER ON 5/30/96. DRAWINGS INCLUDED IN THIS SET WHICH DO NOT HAVE ORIGINAL DRC SIGNATURES HAVE BEEN MODIFIED AND REPLOTTED FOR RECORD DRAWING PURPOSES.

AS BUILT INFORMATION

CONTRACTOR STAKING	DATE
STAKED BY	
INSPECTOR'S NOTES/STAKES BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)

PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

MICRO–FILM INFORMATION

RECORDED BY DATE

NO.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY	WMJ
		DRAWN BY	JLR
		CHECKED BY	WMJ

DESIGN DATE 4/10/96
DATE 4/10/96
DATE 4/10/96

MOLZEN–CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

TEMPORARY EROSION & SEDIMENT CONTROL MEASURES ESTIMATED QUANTITIES

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	2–49	

EROSMEAS.DWG 1 = 1 4/17/96

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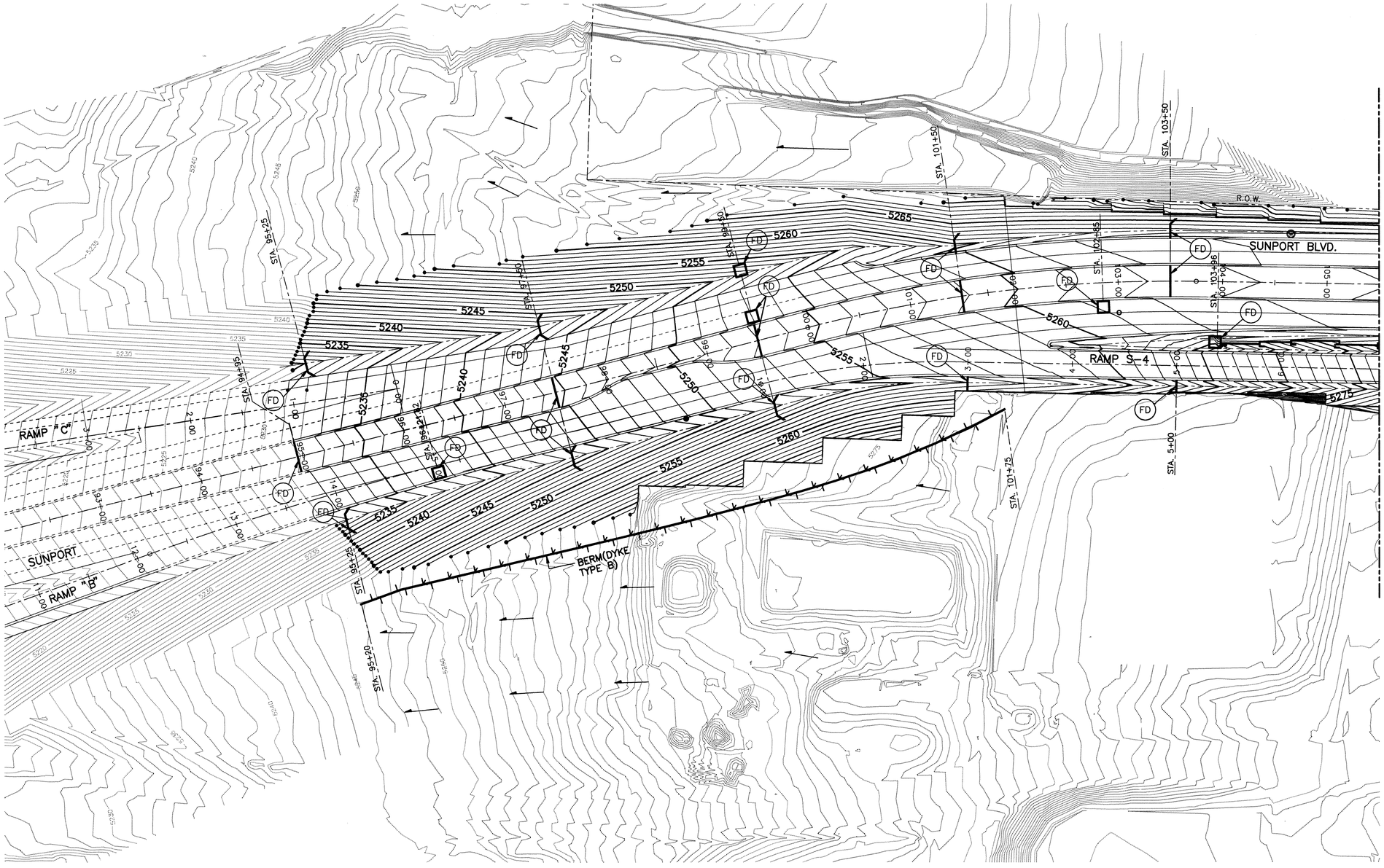

26-4044.91 5798

AS BUILT INFORMATION

CONTRACTOR
WORK STAKED BY — DATE
INSPECTOR'S AUTHORIZATIONS BY — DATE
FIELD VERIFICATION BY — DATE
DRAWING CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
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FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY	MJ
	5/8/96	DATE	
		DRAWN BY	JRR
	5/8/96	DATE	
		CHECKED BY	TRS
	5/8/96	DATE	

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD PHASE II

TEMPORARY EROSION & SEDIMENT CONTROL PLAN
STA. 95+00.00 TO STA. 105+50.00

NOTE:
EROSION AND SEDIMENT CONTROL MEASURES WERE INSTALLED AND MAINTAINED IN THE APPLICABLE CONSTRUCTION STAGE.

W M Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	2–50	

EROSP1 1=50/1=1 5/8/96

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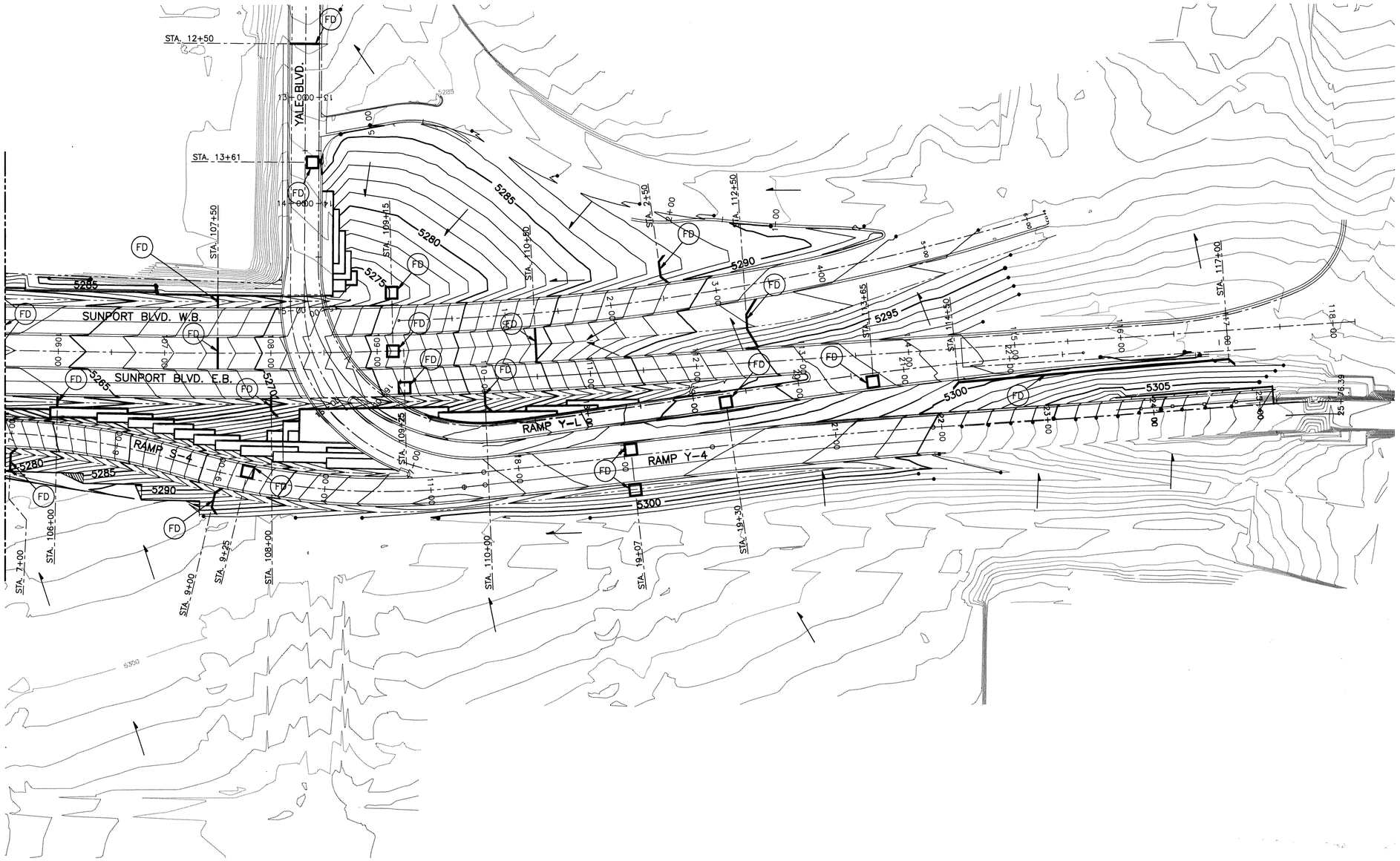
* STAGE II CONSTRUCTION ONLY



0 50 100

1" = 50'
GRAPHIC SCALE

NOTE:
EROSION AND SEDIMENT CONTROL MEASURES WERE INSTALLED AND MAINTAINED IN THE APPLICABLE CONSTRUCTION STAGE.

W M Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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ENGINEER'S SEAL

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
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PROJECT: X=389231.63, Y=473027.84, EL=5310.21

AS BUILT INFORMATION

CONTRACTOR	
REVISED BY	DATE
STAKED BY	DATE
INSPECTOR'S AS-BUILTS BY	DATE
FIELD VERIFICATION BY	DATE
REMARKS	
CORRECTED BY	DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

NO.	DATE	REMARKS	BY

REVISIONS

DESIGNED BY	O.V.	DATE 5/8/96
DRAWN BY	STAFF	DATE 5/8/96
CHECKED BY	TRS	DATE 5/8/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

TEMPORARY EROSION & SEDIMENT CONTROL PLAN STA. 105+50.00 TO E.O.P.

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	2–51	

ERDSP2 1=50/1=1 5/8/96

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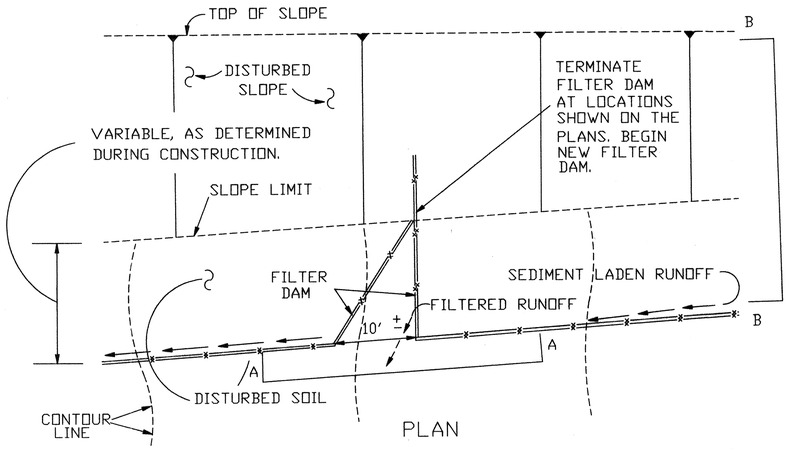
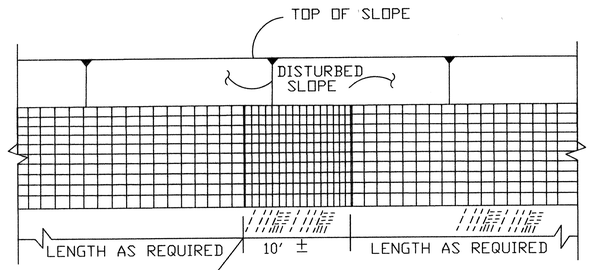
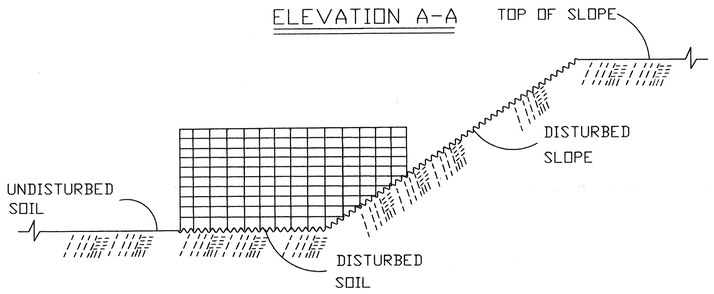


PLAN



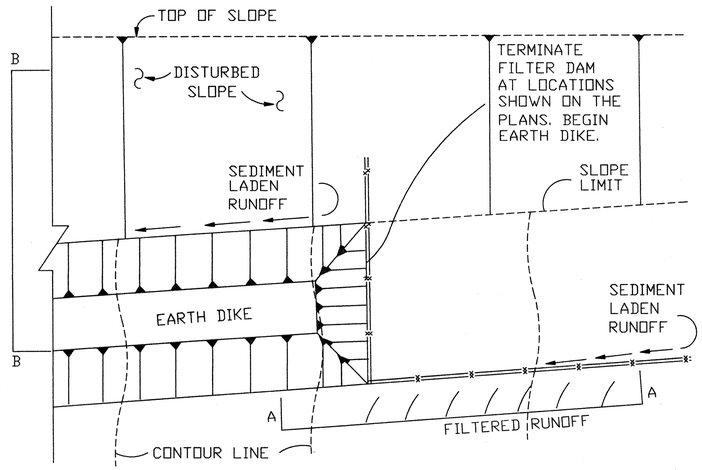
RELOCATE THE FILTER DAM AS CONSTRUCTION PROGRESSES. NO DIRECT PAYMENT SHALL BE MADE FOR RELOCATION OF THE FILTER DAM.

ELEVATION A-A

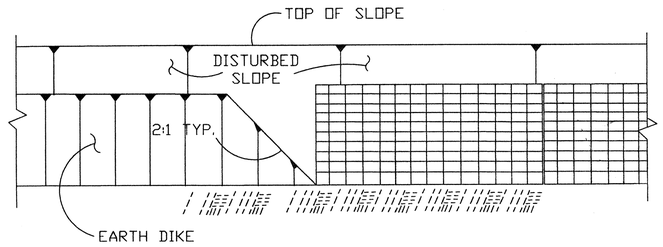


ELEVATION B-B

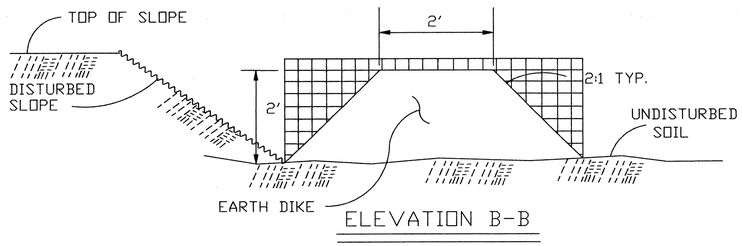
TYPICAL INSTALLATION FOR FILTER DAM ON SLOPES WITH LONGITUDINAL SLOPE *



PLAN



ELEVATION A-A



ELEVATION B-B

TYPICAL INSTALLATION FOR FILTER DAM WITH EARTH DIKE ON SLOPES WITH LONGITUDINAL SLOPE *

TEMPORARY EROSION & SEDIMENT CONTROL MEASURES (T.E.S.C.M.)

GENERAL NOTES:

1. THE SOIL RETENTION BLANKET INSTALLATION DETAILS SHOWN FOR DITCH LINERS SHALL BE USED FOR ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES UTILIZING SOIL RETENTION BLANKETS UNLESS OTHERWISE NOTED.
2. ROCK PLATING USED IN THE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THESE SHEETS SHALL HAVE A MINIMUM THICKNESS OF 9 INCHES UNLESS OTHERWISE INDICATED.
3. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES PLACED WITHIN THE CLEAR ZONE SHALL BE INSTALLED WITH 8:1 SLOPES PARALLEL TO TRAFFIC AND 3:1 SLOPES PERPENDICULAR TO TRAFFIC WHERE APPLICABLE. FOR SEDIMENT TRAPS LOCATED WITHIN THE CLEAR ZONE, THE MAXIMUM HEIGHT OR EXCAVATED DEPTH OF THE TRAP SHALL NOT EXCEED 12 INCHES.
4. SEDIMENT BASINS AND TRAPS SHALL BE CLEANED OF ACCUMULATED SEDIMENT WHEN APPROXIMATELY 50% FILLED.
5. FILTER DAMS SHALL BE CLEANED OF ACCUMULATED SEDIMENT WHEN THE DEPOSITS REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE FILTER DAM.
6. DITCH LINER SHALL BE INSTALLED UPON INITIATION OF EARTH ACTIVITIES AND MAINTAINED AS PRACTICAL UNTIL STABILIZATION IS COMPLETED AND ACCEPTED. DITCH LINER MAY BE REMOVED FOR PERIODS OF TIME AS REQUIRED DURING CONSTRUCTION TO COMPLETE ADJACENT IMPROVEMENTS.

* THE CONTRACTOR MAY CONSTRUCT AN EARTH DIKE, AS SHOWN OR RELOCATE THE FILTER DAM AS CONSTRUCTION PROGRESSES. NO DIRECT PAYMENT SHALL BE MADE FOR RELOCATION OF THE FILTER DAM.

RECORD DRAWING
DATE: 11/03/97
DRAFTED BY: O.V.
THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT. THESE DRAWINGS WERE ORIGINALLY PREPARED IN CADD FORMAT AND APPROVED FOR CONSTRUCTION BY THE CITY ENGINEER ON 5/30/96. DRAWINGS INCLUDED IN THIS SET WHICH DO NOT HAVE ORIGINAL DRC SIGNATURES HAVE BEEN MODIFIED AND REPLOTTED FOR RECORD DRAWING PURPOSES.

APPROVED — DESIGN REVIEW COMMITTEE

APPROVED — CITY ENGINEER

2C-4044.91 5998

NO.	DESCRIPTION	DATE	BY
3			
2	REVISED FILTER DAM DRAWINGS	10-6-93	JH/BL
1	MINOR TYPING REVISIONS	8-27-93	BSL

REVISIONS (OR CHANGE NOTICES)

NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENT

CA DD

TEMPORARY EROSION & SEDIMENT CONTROL MEASURES

LAYOUT BY
DRAWN BY
CHECKED BY

APPROVAL
RECOMMENDED ENGINEER DATE
APPROVED DESIGN BUREAU CHIEF DATE

DRAWING 050 SHEET 1 OF 4

STANDARDS-MISC_DRAW$4A_8-27-93

CITY #4044.91

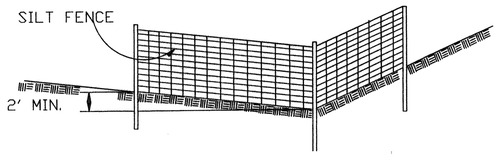
SHT. 2-52

DESIGNED BY

DRAWN BY RH J.H.

CHECKED BY

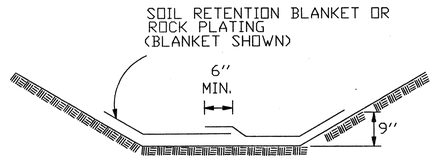
NOTE: WHEN SILT FENCE IS USED FOR FILTER DAM INSTALLED IN DITCHES A SUPPORTING FENCE SHALL BE PROVIDED AND THE POST SPACING SHALL BE 10' MAXIMUM.



ELEVATION - FILTER DAM
(SILT FENCE OPTION)

SILT FENCE NOTES:

1. POST SPACING SHALL BE 4 FT. MAXIMUM W/O SUPPORTING FENCE, 10 FT. MAXIMUM WITH SUPPORTING FENCE.
2. POSTS FOR 4 FT. MAXIMUM POST SPACING SHALL BE 2 INCH SQUARE OR HEAVIER WOOD POSTS OR STANDARD T OR U SECTION STEEL POSTS WEIGHING NOT LESS THAN 1.0 LB. PER LINEAR FOOT. POSTS FOR 10 FT. MAXIMUM POST SPACING SHALL BE 4 INCH SQUARE OR HEAVIER WOOD POSTS OR STEEL POSTS AS SPECIFIED ABOVE.
3. SUPPORTING FENCE SHALL BE WIRE MESH (14 GA. MIN., 6 INCH MAX. MESH OPENINGS) OR SNOW FENCE.
4. SUPPORTING FENCE SHALL BE FASTENED SECURELY TO POSTS WITH STAPLES OR WIRE TIES. FILTER FABRIC SHALL BE FASTENED SECURELY TO SUPPORTING FENCE WITH WIRE TIES SPACED AT 24 INCH CENTERS ALONG THE TOP AND MID-SECTION. WHEN A SUPPORTING FENCE IS NOT USED, FILTER FABRIC SHALL BE SECURELY FASTENED TO POSTS WITH STAPLES OR WIRE TIES.



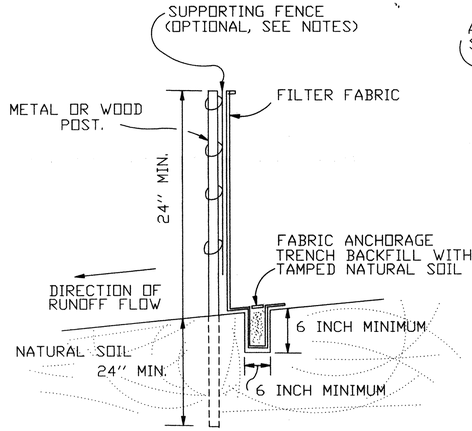
SECTION B-B

DITCH LINER NOTES:

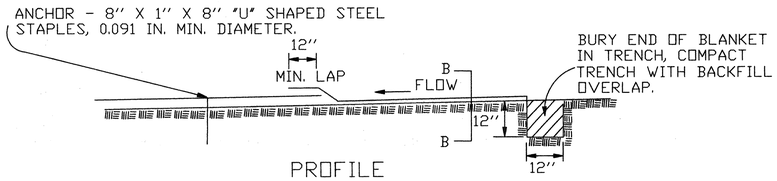
1. THE DITCH LINER WIDTH REQUIRED SHALL BE IN ACCORDANCE WITH THESE DETAILS UNLESS SPECIFIED OTHERWISE.
2. THE SOIL RETENTION BLANKET INSTALLATION SHOWN OUTLINES MINIMUM REQUIREMENTS. MANUFACTURERS RECOMMENDATIONS SHALL BE USED IF THEY ARE MORE STRINGENT.
3. WHEN DITCH LINER IS SPECIFIED, EITHER SOIL RETENTION BLANKETS OR ROCK PLATING MAY BE PROVIDED.

NOTE: STONE SHALL CONSIST OF 1" TO 3" WASHED GRAVEL.

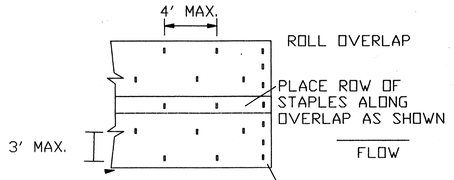
ELEVATION - FILTER DAM
(STONE DAM OPTION)



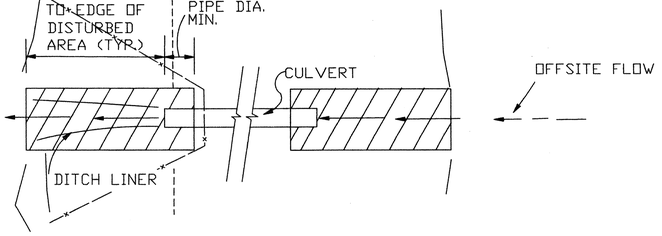
ELEVATION - FILTER DAM
(SILT FENCE OPTION)



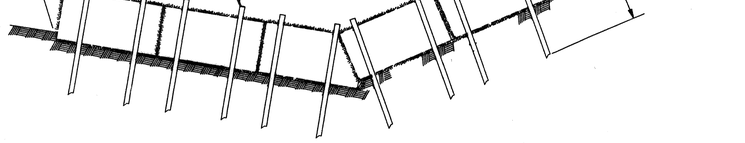
PROFILE
DITCH LINER



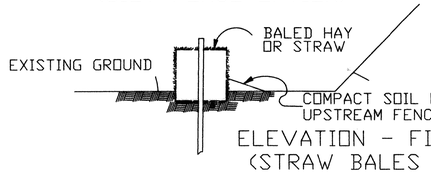
SOIL RETENTION BLANKET
STAPLE PATTERN



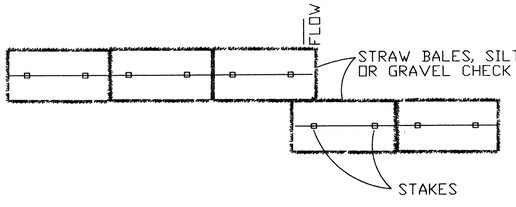
TYPICAL DITCH LINER
INSTALLATIONS AT CULVERTS



ELEVATION - FILTER DAM
(STRAW BALES OPTION)



ELEVATION - FILTER DAM
(STRAW BALES OPTION)

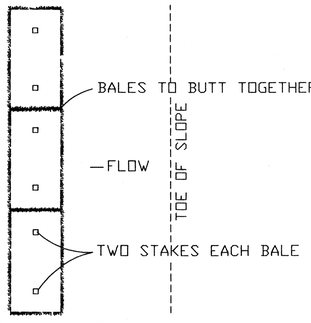


FILTER DAM
(FOR DITCHES)

SEE FILTER DAM (FOR SLOPES) FOR ADDITIONAL CONSTRUCTION DETAILS OF SILT FENCE AND STRAW BALES.

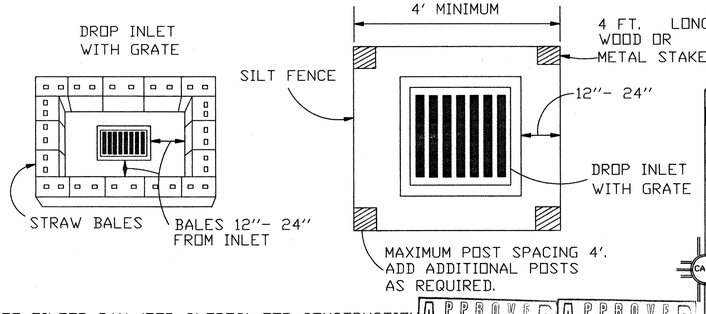
STRAW BALES FILTER DAM NOTES:

1. EMBED BALES 4 TO 6 INCHES INTO GROUND.
2. IN AREAS WHERE BALES MAY BE ALLOWED TO REMAIN IN PLACE, WOOD STAKES MUST BE USED. IN OTHER AREAS ALTERNATE STAKES MAY BE USED.
3. LOOSE HAY OR STRAW SHALL BE STUFFED BETWEEN BALES TO FILL VOIDS.
4. STAKES SHALL BE 2"X 2" WOOD, REBAR (#4 MIN.) OR STANDARD STEEL POSTS DRIVEN 2' MIN,. INTO GROUND.



PLAN

FILTER DAM
(FOR SLOPES)



SEE FILTER DAM (FOR SLOPES) FOR CONSTRUCTION DETAILS OF SILT FENCE.

CHECK DAM

CHECK DAM SHOWN FOR DROP INLET, LAYOUT FOR CURB INLETS SIMILAR.

APPROVED
DESIGN REVIEW COMMITTEE

APPROVED
CITY ENGINEER

W M Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-4044.91 6098

NO.	DESCRIPTION	DATE	BY
3			
2			
1	MINOR TYPING REVISIONS	8-27-93	BSL

REVISIONS (OR CHANGE NOTICES)

NEW MEXICO STATE
HIGHWAY AND TRANSPORTATION
DEPARTMENT

CA DD

T.E.S.C.M.
FILTER DAM ALTERNATES &
RETENTION BLANKET DETAILS

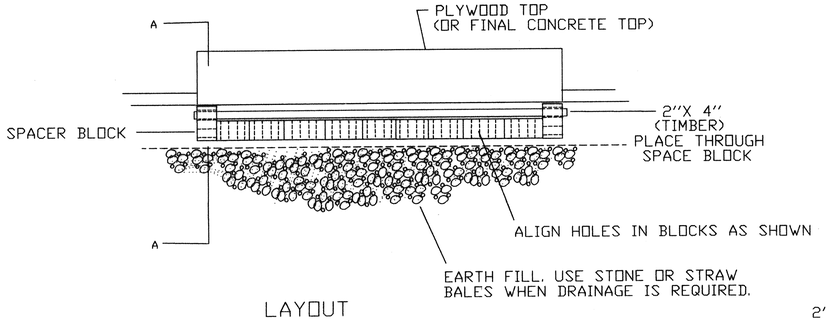
LAYOUT BY	APPROVAL	
DRAWN BY	RECOMMENDED ENGINEER	DATE
CHECKED BY	APPROVED DESIGN BUREAU CHIEF	DATE

DRAWING 050 SHEET 2 OF 4

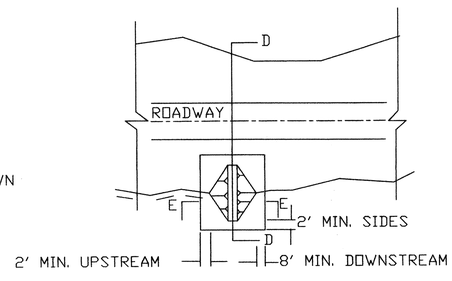
..STANDARDS_MISC_DRAWS\30_8-27-93

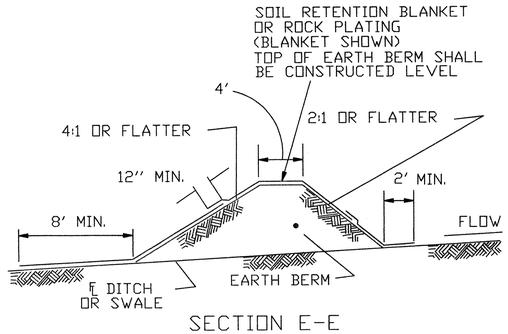
CITY # 4044.91

SHT. 2-53

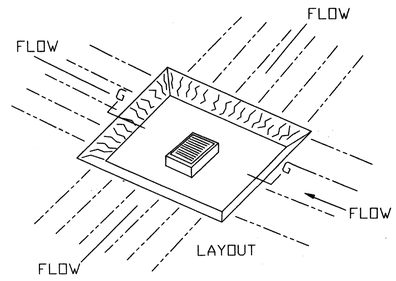


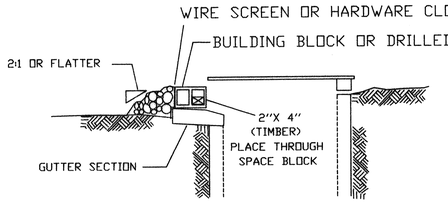
LAYOUT
CURB INLET



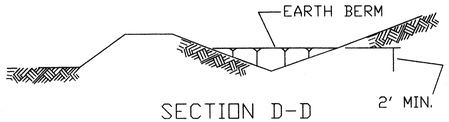


SECTION E-E

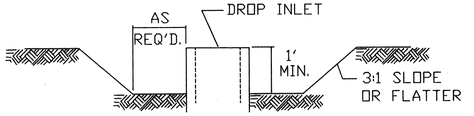




SECTION A-A



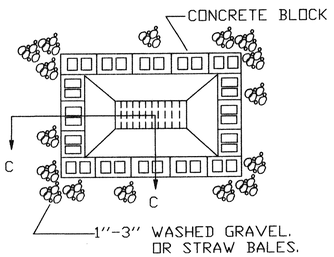
SECTION D-D
SEDIMENT BASIN
(EARTH BERM)



SECTION G-G
SEDIMENT TRAP
(EXCAVATED)

SEDIMENT TRAP (EXCAVATED) SHOWN FOR DROP INLET, LAYOUT FOR CURB INLETS SIMILAR.

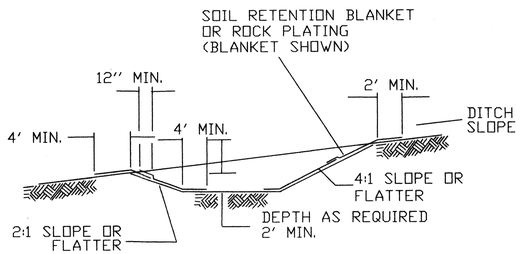
2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-4044.91 6/98



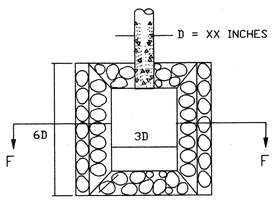
LAYOUT

DROP INLET

NOTE: STONE SHALL CONSIST OF 1"-3" WASHED GRAVEL.

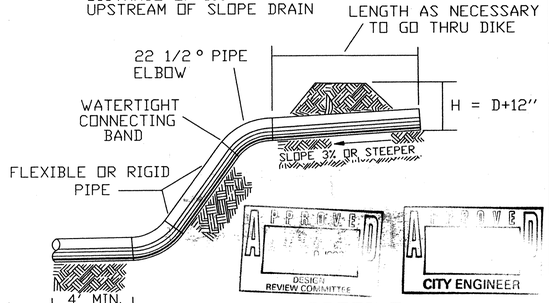


SECTION B-B



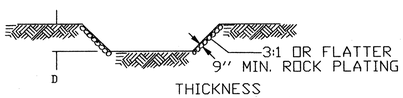
PLAN
(AT OUTLET)

NOTE: INCREASE EARTH DIKE HEIGHT FOR A DISTANCE OF 100' UPSTREAM OF SLOPE DRAIN



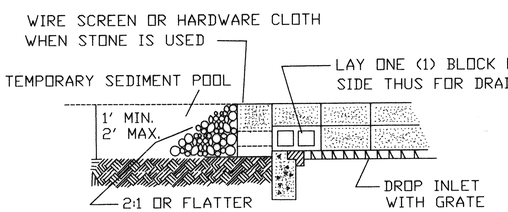
PROFILE
SLOPE DRAIN

SECTION H-H

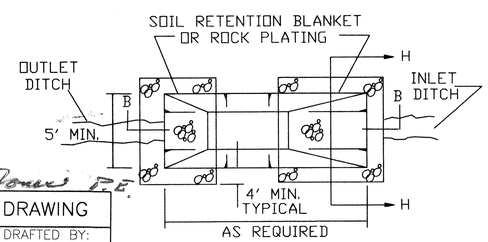


SECTION F-F

TEMPORARY SLOPE DRAIN



SECTION C-C
SEDIMENT TRAP
(BUILT UP)



PLAN
SEDIMENT BASIN
(EXCAVATED)

NOTES:

1. THE FLEXIBLE PIPE SHALL BE THE SAME DIAMETER AS THE INLET PIPE AND SHALL BE CONSTRUCTED OF A DURABLE MATERIAL WITH HOLD-DOWN GROMMETS SPACED AT 10 FT. ON CENTER.
2. THE FLEXIBLE PIPE SHALL BE SECURELY FASTENED TO THE CORRUGATED METAL OR HDPE PIPE WITH METAL STRAPPING OR WATERTIGHT CONNECTING COLLARS.
3. THE FLEXIBLE PIPE SHALL BE STAKED AT 10 FT. CENTERS ALONG THE SLOPE USING MINIMUM 4 INCH SQUARE WOOD POSTS OR STANDARD STEEL POSTS DRIVEN 2 FT. MINIMUM INTO THE GROUND.
4. RIGID PIPE SHALL BE ANCHORED AT BENDS. ANCHORAGE SHALL CONSIST TO A MINIMUM OF 4 INCHES SQUARE WOOD POSTS OR STANDARD STEEL POSTS DRIVEN 2 FT. MINIMUM INTO THE GROUND OR EARTHEN THRUST BLOCK.

W.M. Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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NO.	DESCRIPTION	DATE	BY
3			
2			
1	MINOR TYPING REVISIONS	8-27-93	BSL

REVISIONS (OR CHANGE NOTICES)

NEW MEXICO STATE
HIGHWAY AND TRANSPORTATION
DEPARTMENT

CADD

T.E.S.C.M.
CHECK DAM &
SEDIMENT BASIN DETAILS

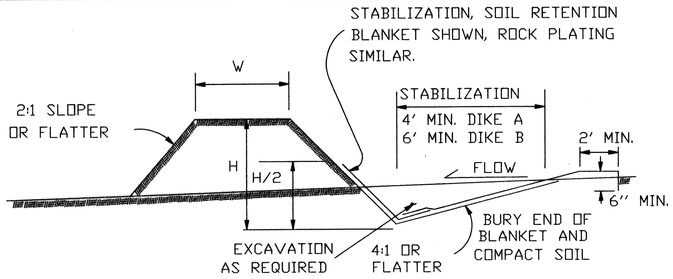
LAYOUT BY	APPROVAL
DRAWN BY	RECOMMENDED ENGINEER DATE
CHECKED BY	APPROVED DESIGN BUREAU CHIEF DATE

DRAWING 050 SHEET 3 OF 4

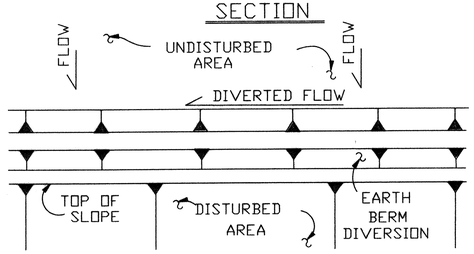
CITY # 4044.91 SHT. 2-54

DESIGNED BY DRAWN BY JH & BL CHECKED BY

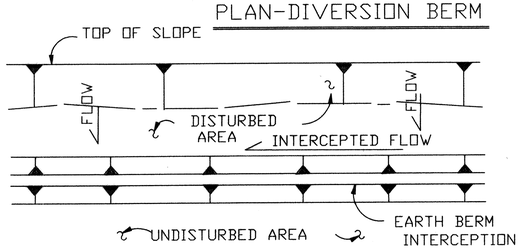
STANDARDS MISC_DRAW$29 8-27-93



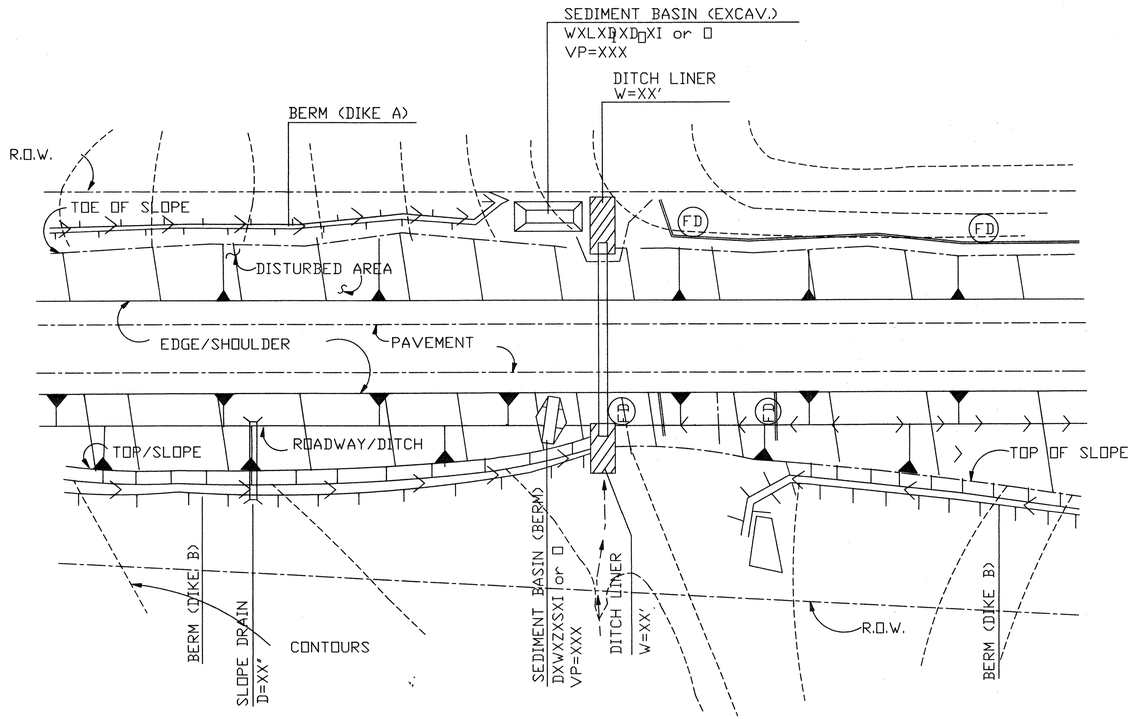
SECTION



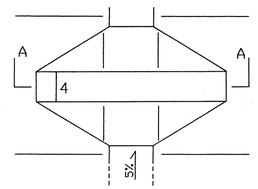
PLAN-DIVERSION BERM



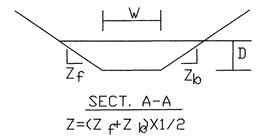
PLAN-INTERCEPTION BERM



TYPICAL USAGE OF SELECTED EROSION AND SEDIMENT CONTROL MEASURES



I=IN CLEAR ZONE
O=OUT CLEAR ZONE



SECT. A-A

Z=(Zf+Zb)X1/2

PLAN DESIGNATION _ D x W x Z x S x I or O

STANDARD SYMBOLS FOR EROSION AND SEDIMENT CONTROL MEASURES

FILTER DAM — FD

FILTER DAM INSTALLED W/ LONGITUDINAL SLOPE — FILTER DAM TERMINATION — FD

SEDIMENT BASIN- EARTH BERM

SEDIMENT BASIN- EXCAVATED

SEDIMENT TRAP (EXCAVATED)

SEDIMENT TRAP (BUILT UP)

BERM

BERM W/LEVEL SPREADER — SLOPE

TEMPORARY SLOPE DRAIN

DITCH LINER

DITCH LINER - PERMAMENT MEASURE

DIMENSIONS

	DIKE A	DIKE B
W (MIN.)	24"	36"
H (MIN.)	18"	24"

STABILIZATION REQUIREMENTS

CHANNEL GRADE	DIKE A	DIKE B
0.5 - 3.0 %	MULCH WITH NETTING	SOIL RETENTION BLANKET
3.1 - 8.0 %	SOIL RETENTION BLANKET	SOIL RETENTION BLANKET
8.1 - 20%	C/A. DRY RIPRAP	C/A. DRY RIPRAP

NOTES:

1. ROCK PLATING MAY BE SUBSTITUTED FOR SOIL RETENTION BLANKETS.
2. SEE DITCH LINER FOR INSTALLATION DETAILS OF SOIL RETENTION BLANKETS.

BERM

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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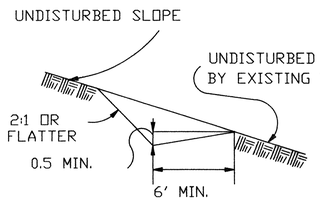
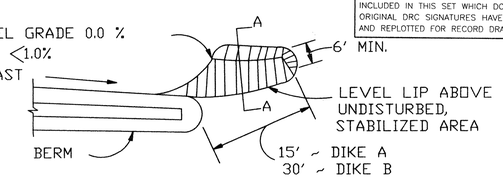


SECTION A-A



LEVEL SPREADER

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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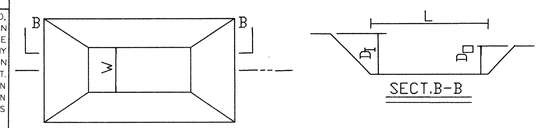
SEDIMENT BASIN - EARTH BERM



I=IN CLEAR ZONE
O=OUT CLEAR ZONE

PLAN DESIGNATION _ W x L x D_I x D_O x I or O

SEDIMENT BASIN - EXCAVATED

SEDIMENT BASIN DIMENSION

APPROVED — DESIGN REVIEW COMMITTEE

APPROVED — CITY ENGINEER

NO.	DESCRIPTION	DATE	BY
3			
2			
1	MINOR TYPING REVISIONS	8-27-93	BSL

REVISIONS (OR CHANGE NOTICES)

NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENT

T.E.S.C.M.

EARTH BERM STANDARD LAYOUT & SYMBOLS

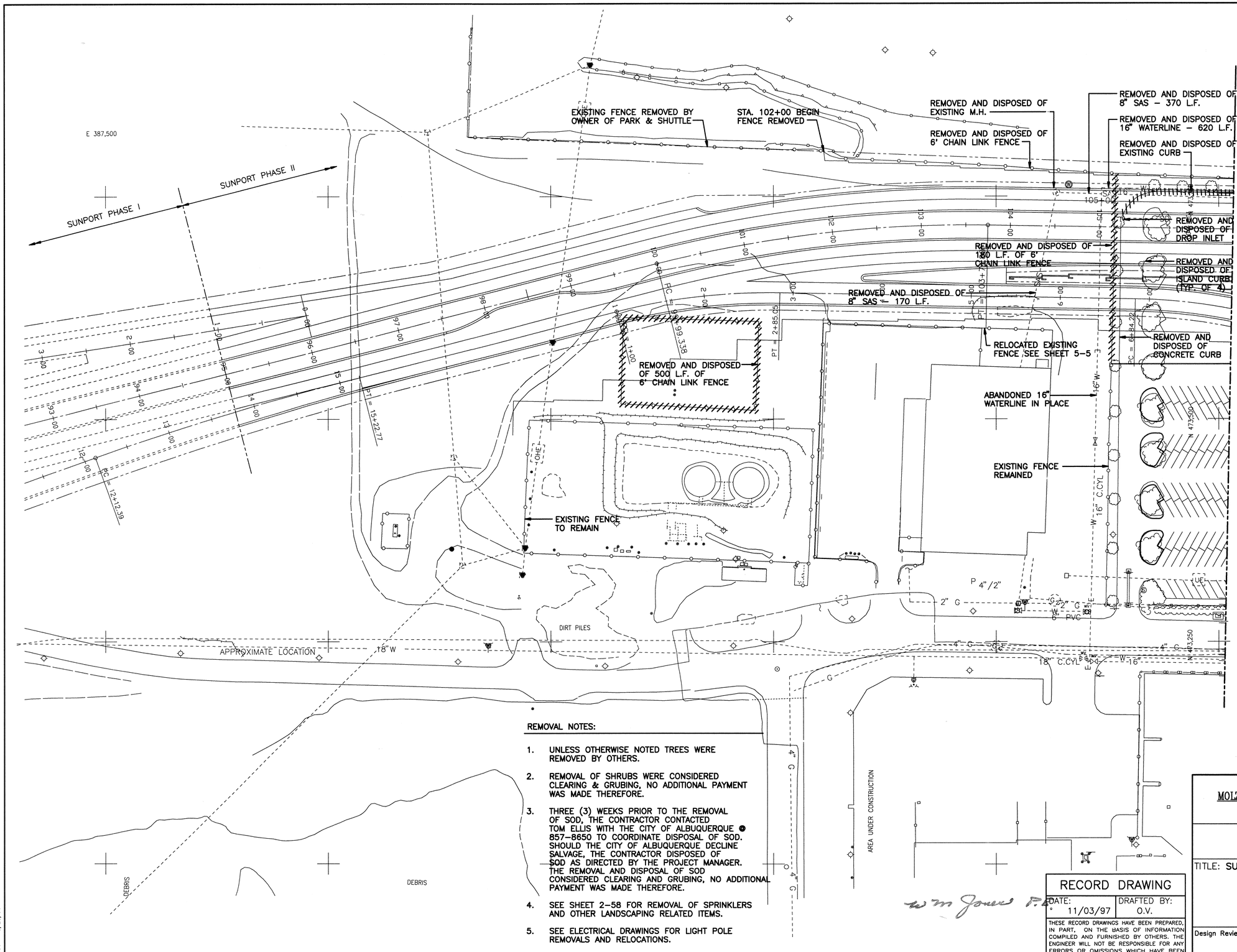
LAYOUT BY	APPROVAL	
DRAWN BY	RECOMMENDED ENGINEER	DATE
CHECKED BY	APPROVED DESIGN BUREAU CHIEF	DATE

DRAWING 050 SHEET 4 OF 4

CITY # 4044.91 SHT. 2-55

DESIGNED BY
DRAWN BY J.H. B.L.
CHECKED BY

STANDARDS-MISC_DRAW$6 8-27-93



REMOVAL NOTES:

1. UNLESS OTHERWISE NOTED TREES WERE REMOVED BY OTHERS.
2. REMOVAL OF SHRUBS WERE CONSIDERED CLEARING & GRUBING, NO ADDITIONAL PAYMENT WAS MADE THEREFORE.
3. THREE (3) WEEKS PRIOR TO THE REMOVAL OF SOD, THE CONTRACTOR CONTACTED TOM ELLIS WITH THE CITY OF ALBUQUERQUE @ 857-8650 TO COORDINATE DISPOSAL OF SOD. SHOULD THE CITY OF ALBUQUERQUE DECLINE SALVAGE, THE CONTRACTOR DISPOSED OF SOD AS DIRECTED BY THE PROJECT MANAGER. THE REMOVAL AND DISPOSAL OF SOD CONSIDERED CLEARING AND GRUBING, NO ADDITIONAL PAYMENT WAS MADE THEREFORE.
4. SEE SHEET 2-58 FOR REMOVAL OF SPRINKLERS AND OTHER LANDSCAPING RELATED ITEMS.
5. SEE ELECTRICAL DRAWINGS FOR LIGHT POLE REMOVALS AND RELOCATIONS.
6. PRIVATE UTILITIES WERE REMOVED AND RELOCATED BY THE UTILITY OWNER. IT WAS THE CONTRACTORS RESPONSIBILITY TO NOTIFY THE UTILITY COMPANIES PRIOR TO CONSTRUCTION.

wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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AS BUILT INFORMATION

CONTRACTOR WORK STAKED BY — DATE
INSPECTOR'S NOTATIONS BY — DATE
FIELD VERIFICATION BY — DATE
DRAWING CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

216-40419.97 63198

ENGINEER'S SEAL

THEODORE D. SCHMENK NEW MEXICO 4739 REGISTERED PROFESSIONAL ENGINEER

REVISIONS

NO.	DATE	REMARKS	BY
	5/28/96	DESIGN	O.V.
	5/28/96	DRAWN	STAFF
	5/28/96	CHECKED	TRS

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

REMOVAL PLAN
STA. 95+00.00 TO STA. 106+50.00

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 4044.91 | Zone Map No. M15&16 | Sheet 2-56 Of

CABRMVL1 1=50 5/28/96

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MATCHLINE STA. 106+50.00 SEE SHEET 2-56

MATCHLINE STA. 108+25 ± SEE SHEET 2-56

REMOVED AND DISPOSED OF DROP INLET

REMOVED 6' WIDE SIDEWALK

REMOVED ASPHALT PAVING

REMOVED AND DISPOSED OF MEDIAN CURB

REMOVED AND DISPOSED OF VALLEY GUTTER INCLUDING FILLETS

REMOVED AND DISPOSED OF 24" RCP – 280 L.F.

REMOVED AND DISPOSED OF 24" RCP – 120 L.F.

REMOVED AND DISPOSED OF 16" WATERLINE

REMOVED AND DISPOSED OF 4' ø MANHOLE

STA. 108+25 ± END FENCE REMOVAL

REMOVED AND DISPOSED OF EXISTING DROP INLETS

REMOVED AND DISPOSED OF 12" WATERLINE – 360 L.F.

TELEPHONE CABLE TO BE RELOCATED BY OTHERS

REMOVED AND DISPOSED OF 4' ø MANHOLE

REMOVED AND DISPOSED OF 24" RCP – 80 L.F.

REMOVED AND DISPOSED OF 24" RCP – 135 L.F.

REMOVED AND DISPOSED OF EXISTING DROP INLET

REMOVED AND DISPOSED OF CURB AND GUTTER

REMOVED AND DISPOSED OF 24" RCP – 305 L.F.

REMOVED AND DISPOSED OF 24" RCP – 105 L.F.

MANHOLE REMOVED

REMOVED AND DISPOSED OF M.H.

REMOVED AND DISPOSED OF 8" SAS – 380 L.F.

REMOVED AND DISPOSED OF SIDEWALK

REMOVED AND DISPOSED OF PIPE BOULARDS

REMOVED AND DISPOSED OF ISLAND CURB (TYP. OF 7)

REMOVED AND DISPOSED OF CURB AND SIDEWALK

24" RCP TO REMAINED

8" SAS TO REMAINED

TEL. 4 WAY DUCT BANK w/FAA & FO CABLE

REMOVED AND DISPOSED OF CONCRETE CURB & GUTTER

UNDERGROUND ELECTRICAL RELOCATED BY OTHERS (TYP.)

REMOVED OVERHEAD SIGN RETURNED TO AVIATION DEPARTMENT

REMOVED AND DISPOSED OF ASPHALT PAVING

LIMITS OF PAVEMENT REMOVAL SEE ROADWAY PLANS

REMOVED AND DISPOSED OF 24" RCP – 345 L.F.

REMOVED AND DISPOSED OF DROP INLET

GAS LINE TO BE RELOCATED BY OTHERS

REMOVED AND DISPOSED OF CURB AND GUTTER

REMOVED SIGN

REMOVED AND DISPOSED OF 12" WATERLINE – 310 L.F.

2" W.M. REMAINED

REMOVED SIDEWALK

LIMIT OF SIDEWALK REMOVAL

REMOVED CONC. GUTTER

REMOVED OVERHEAD SIGN, RETURNED TO AVAITION DEPARTMENT

LIMITS OF PAVEMENT REMOVAL

REMOVED AND DISPOSED OF CURB AND GUTTER

REMOVED AND DISPOSED OF CURB AND GUTTER

E 389,500

E 389,750

E 390,000

1. CAPPED H_2O LINE – N=473595.90/E=389004.70

2. 4" GASS LINE – TOP FLANGE N=473577.60/E=388897.60/ELEV=5291.2
ELBOW N=473577.60/E=388900.01/ELEV.=5290.7

0 50 100

1" = 50' GRAPHIC SCALE

w m Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT. THESE DRAWINGS WERE ORIGINALLY PREPARED IN CADD FORMAT AND APPROVED FOR CONSTRUCTION BY THE CITY ENGINEER ON 5/30/96. DRAWINGS INCLUDED IN THIS SET WHICH DO NOT HAVE ORIGINAL DRC SIGNATURES HAVE BEEN MODIFIED AND REPLOTTED FOR RECORD DRAWING PURPOSES.

216-90444.PR 6/4/96

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)

PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

AS BUILT INFORMATION

CONTRACTOR

STAKED BY DATE

INSPECTOR'S ASSISTANTS STAKED BY DATE

FIELD VERIFICATION BY DATE

REMARKS

CORRECTED BY DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

ENGINEER'S SEAL

D. SCHNEIDER 4739 NEW MEXICO PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY O.V.	DATE 5/28/96
		DRAWN BY STAFF	DATE 5/28/96
		CHECKED BY TRS	DATE 5/28/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

REMOVAL PLAN
STA. 106+50.00 TO E.O.P.

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M14&15	2-57	

CABRWL2 1=50 5/28/96

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MATCHLINE STA. 11+00

PLANTERS TO BE REMOVED

SIDEWALK TO BE REMOVED

MATCH LINE STA. 105+50

REMOVE ISLANDS WITHIN CLOUD. SALVAGE SPRINKLER HEADS BEFORE REMOVAL.

FENCE WITHIN CLOUD TO BE REMOVED EXISTING STEEL FENCE PANELS TO BE SALVAGED FROM EXISTING PILASTERS PRIOR TO DEMOLITION OF PILASTERS. STORE PANELS FOR REINSTALLATION.

GENERAL NOTES

A. FOR UTILITY DEMOLITION, SEE SHEETS 2-56 & 2-57

B. SALVAGE SPRINKLER HEADS BEFORE DEMOLITION BEGINS. SEE LEGEND FOR DESCRIPTION OF COMPONENTS. DELIVER SALVAGED COMPONENTS TO OWNER REPRESENTATIVE.

LEGEND	
●	360° GEAR DRIVEN POP-UP ROTARY SPRINKLER, 40' SPACING
◓	180° GEAR DRIVEN POP-UP ROTARY SPRINKLER, 40' SPACING
◣	90° GEAR DRIVEN POP-UP ROTARY SPRINKLER, 40' SPACING
o	360° GEAR DRIVEN POP-UP ROTARY SPRINKLER, 30' SPACING
◓	180° GEAR DRIVEN POP-UP ROTARY SPRINKLER, 30' SPACING
◣	90° GEAR DRIVEN POP-UP ROTARY SPRINKLER, 30' SPACING
•	360° POP-UP SPRAY SPRINKLER
◓	180° POP-UP SPRAY SPRINKLER
◣	90° POP-UP SPRAY SPRINKLER
▫	PRESSURE COMPENSATING BUBBLER
●	PLASTIC REMOTE CONTROL ZONE VALVE IN BOX
■	2 1/2" BRASS REMOTE CONTROL MASTER VALVE IN METER BOX
◆	AIR VENT VALVE IN PLASTIC VALVE BOX

N

0 50 100

1" = 50'
GRAPHIC SCALE

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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AS BUILT INFORMATION

CONTRACTOR
WORK STARTED BY DATE
DISPATCHORS DATE
ACCEPTANCE BY
FINAL DATE
VERIFICATION BY
FINAL DATE
CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

STATE OF NEW MEXICO
JOHN M. PAGE
REGISTERED
LANDSCAPE ARCHITECT
5/28/96

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY DD	DATE 2-29-96
		DRAWN BY DD	DATE 2-29-96
		CHECKED BY JDP	DATE 2-29-96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

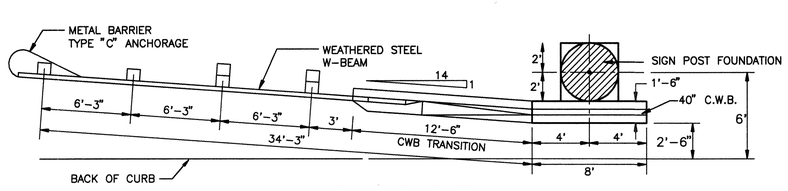
TITLE: SUNPORT BOULEVARD – PHASE II

SUNPORT BOULEVARD
LANDSCAPE DEMO PLAN

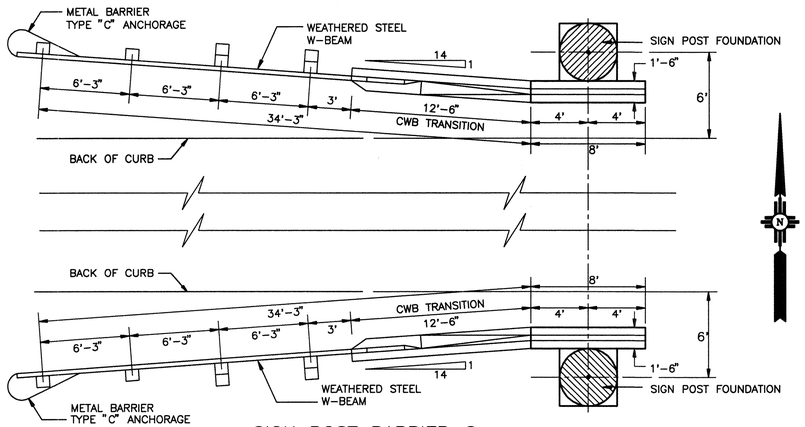
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED MAY 20 1996 DESIGN REVIEW COMMITTEE	APPROVED CITY ENGINEER			

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	2-58	

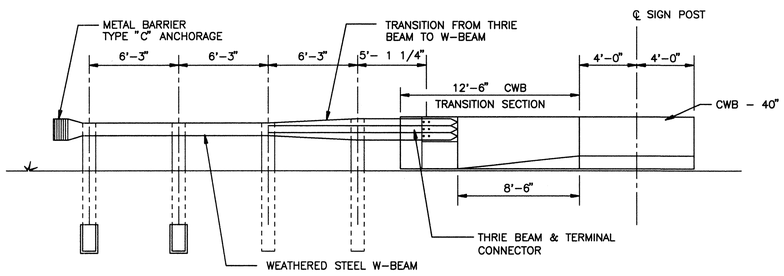
spdemo.dwg 1=50 5-29-96



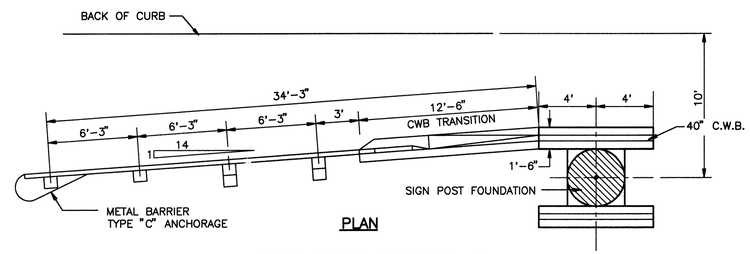
SIGN POST BARRIER @
STA. 106+25 SUNPORT BLVD. E.B.
SCALE: 1"=5'



SIGN POST BARRIER @
STA. 114+45 SUNPORT BLVD E.B.
SCALE: 1"=5'

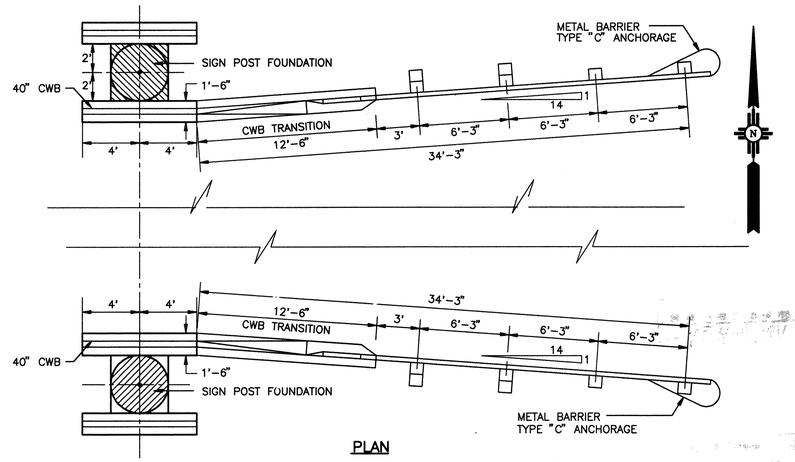


TYPICAL BARRIER ELEVATION



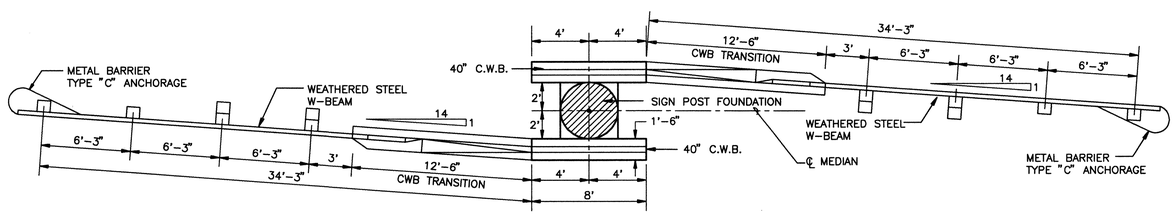
PLAN

SIGN POST BARRIER @
STA. 2+50 RAMP S-U
SCALE: 1"=5'



PLAN

SIGN POST BARRIER @
STA. 5+30 SUNPORT LOOP W.B.
SCALE: 1"=5'



SIGN POST BARRIER @
STA. 96+00 SUNPORT BLVD.
SCALE: 1"=5'

SPMSCDT2.DWG 1=20 5/28/96

AS BUILT INFORMATION

CONTRACTOR
WORK STARTED BY DATE
STAKING BY
WORK COMPLETED DATE
ACCEPTANCE BY
FIELD VERIFICATION BY DATE
FINAL DRAWINGS
CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY WMJ	DATE 5/28/96
		DRAWN BY STAFF	DATE 5/28/96
		CHECKED BY TDS	DATE 5/28/96

216-960144.191 626198

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

SIGN POST BARRIER DETAILS

W M Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	2-59	

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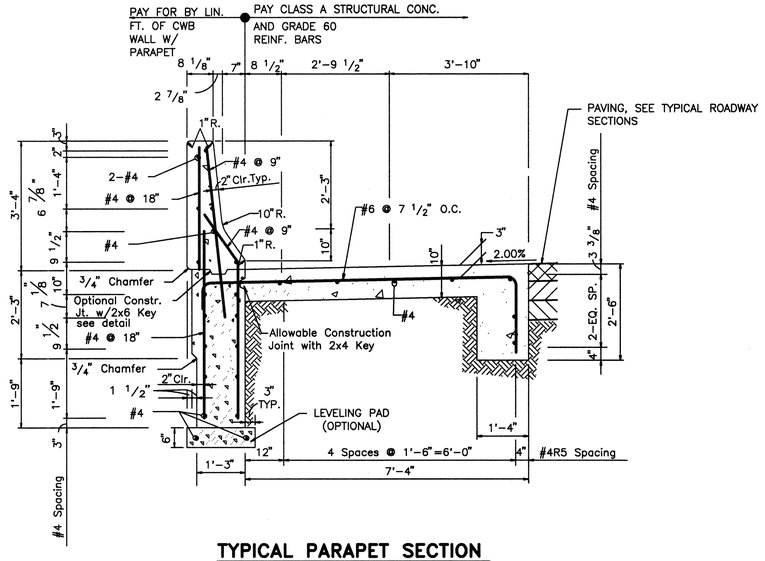
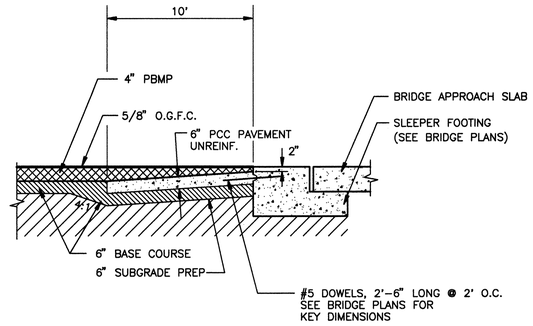


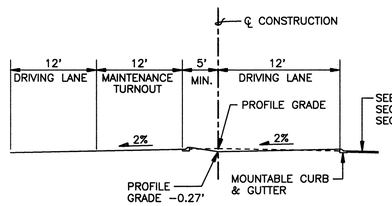
TYPICAL PARAPET SECTION

SCALE: 3/4"=1'-0"



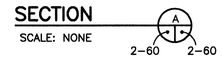
TRANSITION FROM ASPHALT PAVEMENT TO CONCRETE AT BRIDGE APPROACH SLAB

SCALE: NONE



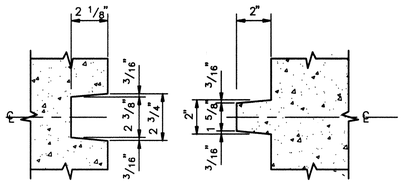
SECTION

SCALE: NONE

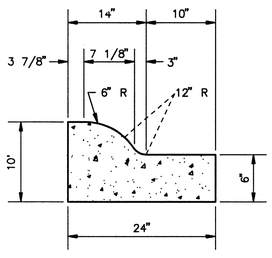


CURVE	RADIUS	LENGTH	TANGENT	DELTA
C1	148.00'	51.53'	26.03'	19°56'54"
C2	52.00'	18.10'	9.14'	19°56'54"
C3	52.00'	18.10'	9.14'	19°56'54"
C4	148.00'	51.53'	26.03'	19°56'54"

NOTE: ALL CURVE DATA FOR MEDIAN MOUNTABLE CURB IS TO THE BACK OF CURB UNLESS OTHERWISE NOTED.

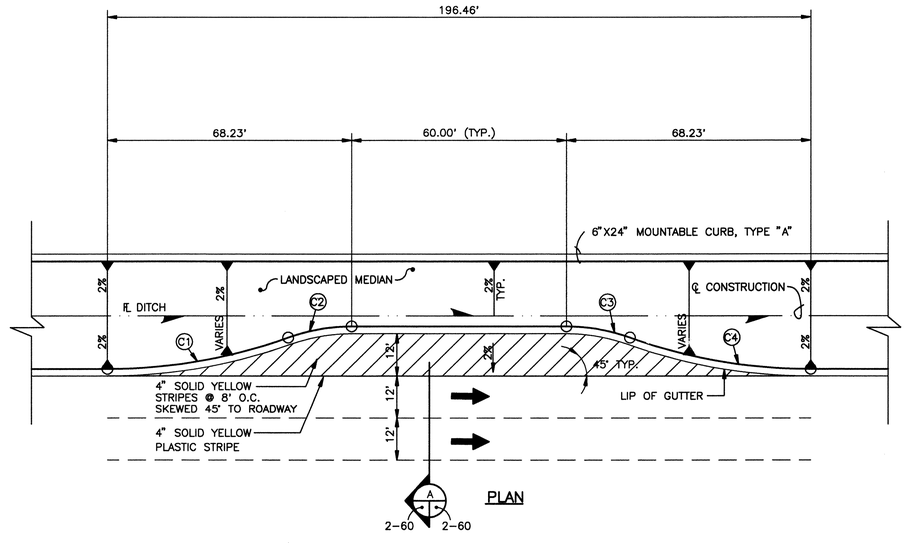


OPTIONAL PRECAST KEYWAY DETAILS



6" x 24" TYPE "A" MOUNTABLE CURB AND GUTTER

SCALE: NONE



MAINTENANCE TURNOUT DETAIL

SCALE 1"=20'

SPMSCDET 1=20 5/28/96

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AS BUILT INFORMATION

BENCH MARKS
STATION "WEST", A BRASS TABLET STAMPED "WEST 1938". SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

CONTRACTOR WORK STAKED BY DATE
ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

26-4044.91 67198

wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY WMJ DATE 5/28/96
DRAWN BY DKS DATE 5/28/96
CHECKED BY TDS DATE 5/28/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

MISCELLANEOUS DETAILS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 4044.91 | Zone Map No. M15&16 | Sheet 2-60 Of

STA. 95+00 SUNPORT BLVD.
BEGAN FULL CONSTRUCTION OF
PHASE II C.O.A. PROJECT NO. 4044.91

STA. 95+00.00 MATCH
EXISTING CONSTRUCTION

8' SHOULDER

STA. 96+03.61, 41.00' LT. =
STA. 0+00 RAMP "C"
ENDED RAMP "C"

STA. 97+51.77
64.86' LT.DITCH
FL ELEV. = 41.96

STA. 97+71.05
41.00' LT.
ENDED RAMP TAPER

STA. 100+57.84 TO
STA. 101+50.00
WARPED DITCH FORE
SLOPE, 2:1 TO 5:1

STA. 100+57.84, 64.80' LT.
DITCH FL EL. = 55.54

STA. 99+48.23 – 15' RT.
ENDED TURNOUT

STA. 100+75 – 43' LT.
BEGAN CURB AND GUTTER
TC. ELEV. = 58.46

STA. 101+50.00 – 48.63' LT.
DITCH FL EL. = 59.49

STA. 102+00 – 90.52' LT.
BEGAN RETAINING WALL "A"
SEE STRUCTURAL SHEETS
BEGAN NEW 6' CHAIN LINK FENCE

STA. 103+99.94 – 57.62' RT.
BEGAN RET. WALL "B" SEE
STRUCT. SHEETS

STA. 104+64.74 – 47.06' LT.
WELL DEPTH – 30 FT. REMOVED WITH
EXCAVATION. SEE SPECIFICATIONS

6' CHAINLINK FENCE
BUILT 6" INTO R.O.W.

R.O.W.

105+00

100+00

95+00

SLOPE LIMITS

RAMP "C"

N 81°11'59" E

CONTROL LINE

RAMP "B"

CONTROL LINE

℄ DITCH

10' SHOULDER

CURB TRANSITION

SUNPORT BLVD.

N 75°43'00" E

℄ DITCH

SLOPE LIMITS

R=25.0'

PT = 103+74.80

S 88°55'03" E

RAMP S-U

PC = 6+84.22

PT = 1+85.05

PC = 99+99.34

STA. 99+42.41, 41.00' RT.
SUNPORT = STA. 1+00
RAMP S-U, BEGAN RAMP
S-U

MATCHLINE STA. 106+00.00 SEE SHEET 3-2

STA. 95+00.00, 61.32' RT.
MATCHED EXIST. CURB
AND GUTTER

STANDARD CURB AND GUTTER

STA. 96+44.60, 41.00' RT. =
STA. 15+22.77 RAMP "B"
ENDED RAMP "B"

STA. 97+28.93, 55.00' RT.
ENDED RAMP TRANSITION

STA. 97+51.77, 15.0' RT.
BEGAN TUNOUT

STA. 97+95.20, 146.32' RT.
BEGAN WALL "C", SEE
STRUCTURAL DWGS.

CONCRETE CHANNEL SEE PLAN
AND PROFILE SHEETS

STA. 99+42.41, 65.63' RT. DITCH
FL EL.= 51.45

STA. 101+27.45 — 79.07' RT. DITCH
FL EL.= 55.76

STA. 99+42.41 TO STA. 101+27.45 RT.
WARPED DITCH FORE SLOPE 10:1 TO 5:1

STA. 102+29.86 TO STA. 102+99.80 RT.
PROVIDED PRESS PATT. CONCRETE
IN MEDIAN. SEE LANDSCAPING PLANS

SEE STORM DRAINAGE SHEEETS
FOR RUNDOWN DETAIL

RELOCATED EXISTING FENCE SEE
SHEET 5-5 & 5-6 FOR DETAILS

CONCRETE CHANNEL SEE PLAN
AND PROFILE SHEETS

NOTES:

ALL EXCESS EXCAVATION
WAS STOCKPILED AS
DIRECTED BY THE PROJECT MANAGER

CXX CURB CURVE DATA
SEE SHEET 3–10

(XX) COORDINATE POINT
SEE SHEET 3–10

℄ SUNPORT

PI STA. 101+88.20
Δ = 15°21'58"
R = 1400.00'
T = 188.87'
L = 375.46'
SE = 0.037 FT./FT

℄ RAMP S-U

PI STA. 1+93.08
Δ = 15°21'57"
R = 690.00'
T = 93.08'
L = 185.05'

0 50 100
1" = 50'
GRAPHIC SCALE

SCALE: 1"=50' HORIZ.
1"=10" VERT.

690.00' VC
PVI STA = 100+50
PVI ELEV = 5260.20
A.D. = –4.29
K = 160.75

414.03' VC

PVC 97+05
ELEV.= 5242.63

PVT 103+95
ELEV.= 5262.96

PVC 105+45.96
ELEV.= 5264.17

EXIST. GRADE @
℄ OF CONSTRUCTION

FINISHED GRADE @
℄ OF CONSTRUCTION

5.09%

0.80%

STA. 98+18
BEGAN SE TRANSITION
NORMAL CROWN

95.44'
RUNOUT

0% CROSS SLOPE
OUTSIDE LANES

176.56'
RUNOFF

STA. 100+90
BEGAN FULL SUPER ELEVATION

STA. 102+84.14

176.56'
RUNOFF

0% CROSS SLOPE
OUTSIDE LANES

95.44'
RUNOUT

STA. 105+56.14
NORMAL CROWN

MATCHLINE STA. 106+00.00 SEE SHEET 3-2

5300 5290 5280 5270 5260 5250 5240 5230 5220

5248.2 5232.20 5247.8 5233.47 5248.7 5234.74 5249.3 5236.01 5251.6 5237.29 5252.8 5238.56 5254.2 5239.83 5255.6 5241.11 5257.2 5242.38 5258.7 5243.64 5260.2 5244.86 5261.6 5246.05 5262.8 5247.19 5264.3 5248.30 5265.4 5249.36 5266.7 5250.39 5268.2 5251.38 5269.5 5252.33 5270.9 5253.24 5270.0 5254.11 5270.6 5254.95 5271.3 5255.74 5271.9 5256.50 5272.3 5257.21 5272.9 5257.89 5273.5 5258.53 5273.8 5259.13 5274.0 5259.69 5274.5 5260.22 5275.2 5260.70 5278.0 5261.14 5277.2 5261.55 5278.1 5261.92 5279.3 5262.25 5280.7 5262.54 5281.9 5262.79 5283.7 5263.00 5284.8 5263.20 5285.6 5263.40 5286.7 5263.60 5287.7 5263.80 5290.4 5264.00 5291.1 5264.20 5291.0 5264.45 5291.1 5264.80

95+00 96+00 97+00 98+00 99+00 100+00 101+00 102+00 103+00 104+00 105+00 106+00

SCALE: 1"=50' HORIZ.
1"=10" VERT.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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AS BUILT INFORMATION

CONTRACTOR — DATE
STAKED BY — DATE
INSPECTIONS BY — DATE
AS BUILTED BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1938", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)

PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

NO.	DATE	REVISIONS	BY
		DESIGN	
		REMARKS	

DESIGNED BY O.V. DATE 5/23/96
DRAWN BY STAFF DATE 5/23/96
CHECKED BY T.D.S. DATE 5/23/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD PHASE II

SUNPORT BLVD. PLAN AND PROFILE
STA. 95+00.00 TO STA. 106+00.00

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	3–1	

5/25/96
1=50
SPCLPP5

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℄ SUNPORT

PI STA. 107+89.92
Δ = 02°39'19"
R = 5666.60'
T = 131.33'
L = 262.61'
SE = NORMAL CROWN

℄ EAST BOUND LANES

PI STA. 110+36.50
Δ = 02°19'10"
R = 5695.600'
T = 115.303'
L = 230.574'
SE = NORMAL CROWN

MATCHLINE STA.106+00 SEE SHEET 3-1

YALE BLVD.

STA. 198+15 END CHAINLINK FENCE

R.O.W.

PC = 106+58.39

PC = 108+88.37

SHIFT SUNPORT ALING. 29.0'RT.

POC = 109+21.20

STA. 0+00 WEST BOUND LANES SUNPORT BLVD., BEGIN WEST BOUND LANES

STA. 109+21.20, 29' LT. SUNPORT BLVD., BEGIN WEST BOUND LANES

℄ WEST BOUND LANES
PI STA. 3+10.72
Δ = 15°22'25"
R = 2302.130'
T = 310.722'
L = 617.712'
SE = NORMAL CROWN

WEST BOUND LANES

EAST BOUND LANES

℄ DITCH

RAMP Y-L

RAMP S-U

SERVICE ROAD

WEST EMPLOYEE PARKING LOT

STA. 107+69.52, 161.24' RT. SUNPORT BLVD. END WALL

SLOPE LIMITS

STA. 17+67.03, 12.0' RT. LINE YALE WEST = STA. 11+51.18 RAMP S-U

SUNPORT LOOP

STA. 6+17.71, 12.50' RT. MATCHED EXIST. CURB & GUTTER

STA. 6+17.71, 22.62' RT. MATCHED EXIST. GRADE ELEV. = 94.0±

LIMITS OF PAVEMENT REMOVAL, SEE STORM DRAIN PLANS FOR ADDIT. REMOVALS

N86°06'28"E

PT = 22+89.62

PC = 25+16.39

PT = 25+23.31

PT = 2+46.83

5+00

115+00

110+00

℄ RAMP S-U

C1	C2
PI STA. 7+71.85	PI STA. 9+96.76
Δ = 15°38'31"	Δ = 23°01'51"
R = 638.00'	R = 679.15'
T = 87.63'	T = 138.37'
L = 174.17'	L = 273.00'
SE = 0.030	SE = 0.030

NOTES:

1. SEE SHEETS 3-3 THRU 3-5 FOR YALE AND ASSOCIATED RAMP GEOMETRY.
2. SEE REMOVAL SHEETS FOR REMOVAL LIMITS.
3. SEE LANDSCAPE DEMO PLAN FOR IRRIGATION SYSTEM REMOVAL.

CXX CURB CURVE DATA SEE SHEET 3-10

(XX) COORDINATE POINT SEE SHEET 3-10

0 50 100
1" = 50'
GRAPHIC SCALE

SCALE: 1"=50' HORIZ.
1"=10" VERT.

414.03' VC
PVI STA = 107+52.98
PVI ELEV = 5265.82
A.D. = -5.68
K = 72.87

PVT STA. 109+59.99
EL= 5278.66(AHD.)

PVC STA. 110+60.96
EL= 5285.19

300.00' VC
PVI STA = 112+10.96
PVI ELEV = 5294.91
A.D. = 4.94
K = 60.73

PVT STA. 113+60.96
EL= 5297.22

EXIST. GROUND @ EAST BOUND LANES CONTROL LINE

PROFILE GRADE @ EAST BOUND LANES CONTROL LINE

PROFILE GRADE @ CONTROL LINE

0.80%

6.48%

1.54%

STA. 109+21.20 SHIFT 29.00' RT.
EL. BK.=5276.83
EL. AHD.=5276.25

STA. 114+50 MATCHED EXIST. PAVEMENT ELEV.

MATCHLINE STA. 106+00 SEE SHEET 3-1

EAST BOUND LANES

5350 5340 5330 5320 5310 5300 5290 5280

5264.80 5265.23 5265.74 5266.34 5267.02 5267.80 5268.65 5269.60 5270.62 5271.74 5272.94 5274.22 5275.59 5278.00 5279.62 5281.24 5282.86 5284.48 5286.08 5287.59 5289.00 5290.31 5291.51 5292.61 5293.60 5294.50 5295.29 5295.98 5296.56 5297.04 5297.44 5297.82 5298.21 5298.59

106+00 107+00 108+00 109+00 110+00 111+00 112+00 113+00 114+00 115+00 116+00 117+00 118+00

5/25/96 1=50 SPCLPP6

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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wm Jones P.E.

AS BUILT INFORMATION

CONTRACTOR
WORK STARTED BY DATE
INSPECTORS
ACCEPTANCE BY DATE
FINAL INSP. BY
VERIFICATION BY DATE
DRAWINGS BY
CHECKED BY DATE

MICRO-FILM INFORMATION

RECORDED BY DATE
NO.

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1939". SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL=5310.21

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

20-4044.91 6998

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
	DESIGNED BY	O.V.	DATE 5/22/96
	DRAWN BY	O.V.	DATE 5/22/96
	CHECKED BY	TDS	DATE 5/22/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

SUNPORT BLVD. PLAN AND PROFILE
STA. 106+00.00 TO STA. 118+40.81

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	3-2	

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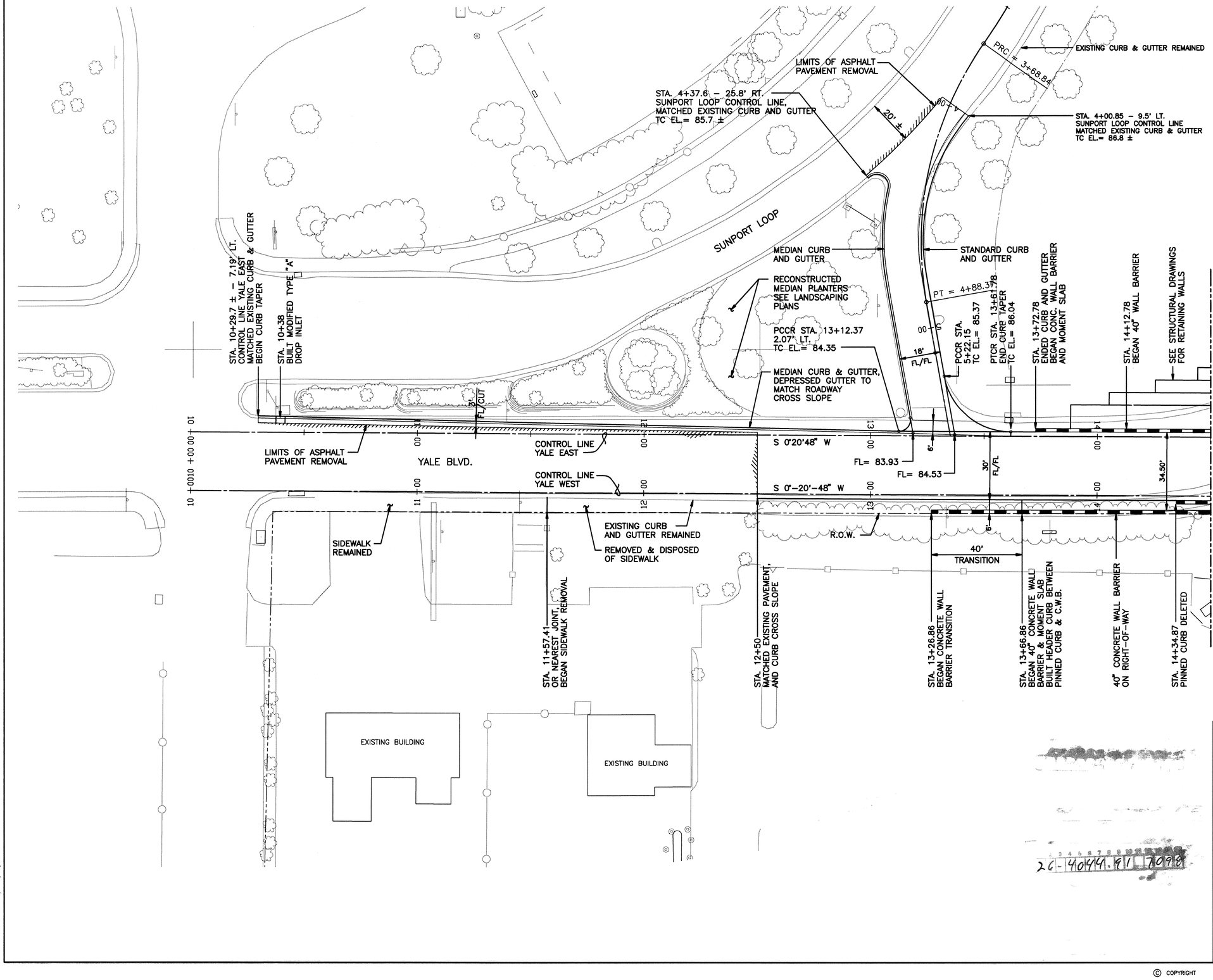

W m Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)

N.M. CENTRAL ZONE: X=3890997.37, Y=1472805.36

PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

AS BUILT INFORMATION

CONTRACTOR WORK STAKED BY	DATE
INSPECTOR'S AS-BUILTMARKS BY	DATE
FIELD VERIFICATION BY	DATE
AS-BUILTS CORRECTED BY	DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

ENGINEER'S SEAL

THOMAS D. SCHMENK NEW MEXICO 4739 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS
		REVISIONS
		DESIGN

DESIGNED BY O.V. DATE 4/29/96

DRAWN BY DKS DATE 4/29/96

CHECKED BY TRS DATE 4/29/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

YALE BOULEVARD PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	3–3	

26-4044.91 7098

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C4DYLPP1 1=20/1=4/29/96

MATCHLINE SEE SHEET 3-3

MATCHLINE SEE SHEET 3-5

PC = 14+57.74
PC = 14+90.68
S 0°20'48" W
STA. 109+15 SUNPORT BLVD.
SINGLE MEDIAN DROP INLET
SEE STORM DRAIN SHEETS
POC STA. 109+21.20 – 29.0' LT.
SUNPORT BLVD.=
STA. 0+00
WEST BOUND LANES
TYPE "A" MOUNTABLE CURB
SEE GENERAL NOTE #3
STANDARD CURB
AND GUTTER
WEST BOUND LANES
BC/FL
28.0'
12.0'
12.0'
2'
2'
STA. 3+00 – 36.98' RT.
DITCH FL= 90.53
STA. 3+14.17 – 38.12' RT.
DITCH FL= 90.61
STA. 3+50 – 40.06' RT.
DITCH FL= 91.28
STA. 2+50 – 33.69' RT.
DITCH FL= 89.31
STA. 2+00 – 31.51' RT.
DITCH FL= 87.62
STA. 3+75
40.16' RT.
DITCH FL= 91.52
STA. 111+91.14 – 19.63' RT.
EAST BOUND LANES
END DITCH, FL= 91.67
STA. 1+00 – 28.88' RT.
DITCH FL= 82.79
STA. 1+50 – 30.43' RT.
DITCH FL= 85.43
DITCH FL
TYPE "A" MOUNTABLE
CURB
CONTROL LINE
"YALE WEST"
PINNED CURB
DELETED
STA. 108+67.77
SUNPORT BLVD.=
STA. 15+43.62
YALE BLVD. EAST
POC STA. 109+21.20
SHIFTED C.L. SUNPORT BLVD.
29.0' RT. BEGIN EAST BOUND LANES
29.0'
29.0'
PT = 111+51.77
FL/FL
28.0'
14'
2%
EAST BOUND LANES
STA. 113+01.17
14' RT.
EAST BOUND LANES
TC EL.= 96.31
STA. 112+50 – 14' RT.
BEGAN PRESS
PATTERNED CONC.
R= 3.0'
STA. 108+25.74
SUNPORT BLVD.=
STA. 15+40.75
YALE BLVD. WEST
C1A
C3A
SUNPORT BLVD.
R= 3.0'
21.38'
FL/FL
27.78'
FL/FL
4%
RAMP Y-U
RAMP S-U
40" CONC.
WALL BARRIER
DITCH FL
RAMP Y-L
2%
18.0'
16.0'
RAMP Y-L
0%
PT STA.
17+19.31
PT = 17+67.03
STANDARD
CURB & GUTTER
CONTROL LINE
YALE EAST
STA. 19+00 – 2' LT.
END CONC. WALL BARRIER
SEE DETAIL SHEET
18.0'
FL/FL
9.99'
FL/FL
STA. 20+06.96
2.0' LT. YALE EAST
TC EL.= 96.12
PC = 20+07.04
LIMIT OF PAVEMENT
REMOVAL
4'
FL/CUT
STA. 19+07 – 14' LT.
SINGLE TYPE "C" D.I.
SEE STORM DRAIN SHEETS
CONTROL LINE
YALE WEST
C2A
EXIST. PAVEMENT
REMAINED
N 83°41'35" E
PT = 11+31.39
7+17.03
14'
FL/FL
40'
RAMP Y-U
PC = 19+83.42
NEW STANDARD CURB & GUTTER
4'
FL/CUT
28.0'
FL/FL
3%
3%
2%
STA. 19+07.00 – 31.63' RT.
TYPE "D" DROP INLET
SEE STORM DRAIN SHEETS
STANDARD CURB & GUTTER
CURB CUT TO DRAIN GUTTER
STA. 20+00
CONTROL LINE YALE WEST
MATCHED EXIST. PAVEMENT
ELEV. & CROSS SLOPE
DITCH FL
STA. 11+14.90 – 19.63' RT.
RAMPS S-U CONTROL LINE
DITCH FL= 98.73
STA. 17+67.03 – 12.0' RT.
RAMP Y-U C.L.=
STA. 11+51.18 RAMP S-U
END RAMP S-U
SERVICE ROAD
YALE BLVD.
EMPLOYEE PARKING (EAST)

N

0 20 40
1" = 20'
GRAPHIC SCALE

26-4044.91 / 7198

w m Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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AS BUILT INFORMATION

CONTRACTOR
WORK STAKED BY — DATE
INSPECTOR'S ADDITIONS BY — DATE
FIELD VERIFICATION BY — DATE
AS BUILT MARKS CORRECTED BY — DATE

BENCH MARKS

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N.M. CENTRAL ZONE: X=3890997.37, Y=1472805.36
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

ENGINEER'S SEAL
THOMAS D. SCHMENK NEW MEXICO 4739 REGISTERED PROFESSIONAL ENGINEER

REVISIONS

NO.	DATE	REMARKS	BY
DESIGNED BY		O.V.	DATE 4/29/96
DRAWN BY		DKS	DATE 4/29/96
CHECKED BY		TRS	DATE 4/29/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

YALE BOULEVARD PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 4044.91 | Zone Map No. M15&16 | Sheet 3-4 | Of

CADYLPP2 1=20/1=#/29/96

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MATCHLINE SEE SHEET 3-4

SUNPORT LOOP

STA. 4+63.46 – 22.87' LT.
TC EL.= 92.0 ±
LIP OF GUTTER MATCHED
EXISTING PAVEMENT ELEV.

EXISTING
CURB TO REMAINED

STANDARD
CURB & GUTTER

24' ± FL/FL

28.4' ± FL/FL

R=2.0'

STA. 4+62.98 – 19.0' LT.
TC EL.= 92.44

33.0' FL/FL

20' TRANSITION

MOUNTABLE
CURB & GUTTER

2%

PCC STA. 4+68.48 – 14' RT.
ENDED MOUNTABLE CURB TC EL.=

STA. 4+35.64 – 36.19' RT.
DITCH FL= 92.59

STA. 4+50 – 34.59' RT.
DITCH FL= 92.30

STA. 4+75 – 32.0' RT.
DITCH FL= 92.58

STA. 5+50
25.25' RT. DITCH FL= 93.38

STA. 5+25 – 27.69' RT.
DITCH FL= 93.12

STA. 5+00 – 29.71' RT.
DITCH FL= 92.85

STA. 5+75 – 24.49' RT.
DITCH FL= 93.35

STA. 6+17.71 – 12.0' RT.
MATCHED EXISTING CURB & GUTTER
TC EL.= 94.2 ±

STA. 6+17.71 – 22.62' RT.
WEST BOUND LANES, END DITCH
MATCHED EXISTING GRADE
EL.= 94.0 ±

C4A CONTROL LINE CURVE DATA YALE EAST

PI STA.= 21+38.40
Δ= 4°21'26"
R= 3452.96'
T= 131.36'
L= 262.59'

1 STA. 4+88.36 – 13.96' RT.
BEGAN STANDARD
CURB & GUTTER
TC EL.=

2 STA. 114+00 TO STA. 114+50.00
TRANSITIONED FROM 2% CROSS SLOPE
TO EXISTING CROSS SLOPE

STA. 118+15.67 – 95.02' LT.
MATCHED EXISTING CURB & GUTTER
TC EL.= 96.3 ±

MEDIAN CURB
& GUTTER

REMOVED SIDEWALK ± 10'
BACK FROM CURB, REPLACED
SIDEWALK AND MATCHED
NEW CURB FLOWLINE

10'

STA. 117+78.61 – 39' LT. TO
STA. 117+87.78 – 44' LT.
DEPRESSED CURB @ EXIST.
SIDEWALK

STA. 116+41.02 – 14' LT.
END MOUNTABLE
CURB

10' TRANSITION

30.50' ±

CONTROL LINE
EAST BOUND LANES

MOUNTABLE
CURB & GUTTER

STA. 114+50
MATCHED EXISTING
ELEVATIONS
AND CROSS SLOPE

4.0' CUT/FL

10'

18.67'

LIMITS OF
PAVEMENT REMOVAL

PC STA. 116+41.02 – 13.33' LT.
BEGAN MEDIAN CURB & GUTTER
TC EL.=

2

CONTROL LINE
YALE EAST

RAMP Y-L

C4A

STA. 115+63.89 – 12' LT.
EAST BOUND LANES=
PT STA. 22+69.63
CONTROL LINE YALE EAST
ENDED RAMP Y-L

STANDARD
CURB & GUTTER

STA. 116+81.58
23.5' ± RT.
MATCHED EXISTING
CURB & GUTTER
TC EL.= 99.9 ±

STA. 25+10.76 – 14' LT.
ENDED MEDIAN CURB & GUTTER
TC EL.= 14.26

STA. 23+64.94 – 16.33' LT.
YALE WEST
BEGIN RETAINING WALL

2.33'

14' CL/FL

2' TYP.

10' CURB TRANSITION

STA. 21+91.83 – 26' RT.
AND 14' LT.
ENDED STANDARD
CURB & GUTTER

STA. 22+01.83 – 14' LT.
YALE WEST
BEGAN MEDIAN CURB & GUTTER

STANDARD CURB
& GUTTER

MEDIAN CURB
& GUTTER

PC = 25+23.39

PT = 25+76.39

RAMP Y-U

LIMITS OF
PAVEMENT REMOVAL

CONTROL LINE YALE WEST
N 85°54'50" E

EXIST. PAVEMENT
TO REMAIN

MATCHED EXISTING
PAVEMENT

EXISTING PAVEMENT

RETAINING WALL "F"
SEE STRUCTURAL SHEETS

PT = 21+01.83

STA. 21+98.80 – 26.0' RT.
"YALE WEST" MATCHED EXISTING
CURB & GUTTER TC EL.= 5301.3 ±

EXISTING
CURB & GUTTER

STA. 25+10.76 – 2.3' ± LT.
MATCHED EXISTING CURB & GUTTER
TC EL.= 14.50 ±

NEW STANDARD
CURB & GUTTER

STA. 21+56.60
NEW MEDIAN
CURB & GUTTER

STA.21+37.15
TRANSITION

STA. 21+00 – 31.63' RT.
DITCH FL= 97.92

STA. 22+01.83 – 40' RT.
"YALE WEST" MATCHED EXISTING
CONCRETE GUTTER EL.=5300.4 ±

EXISTING CONCRETE
GUTTER REMAINED

0 20 40
1" = 20'
GRAPHIC SCALE

CABYL.PP3 1-20/1-5/24/96

AS BUILT INFORMATION

CONTRACTOR — DATE
STAKED BY — DATE
INSPECTORS — DATE
ADDENDUMS BY
FIELD — DATE
DRAWING BY
CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (MENPOINT RD.)

N.M. CENTRAL ZONE: X=3890997.37, Y=1472805.36

PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

THORNTON D. SCHWENK
NEW MEXICO
4739
REGISTERED
NEW MEXICO PROFESSIONAL ENGINEER

REVISIONS

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY O.V.	DATE 5/22/96
		DRAWN BY DKS	DATE 5/22/96
		CHECKED BY TRS	DATE 5/22/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

YALE BOULEVARD PLAN

2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-40444.971 7298

W M Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	3-5	

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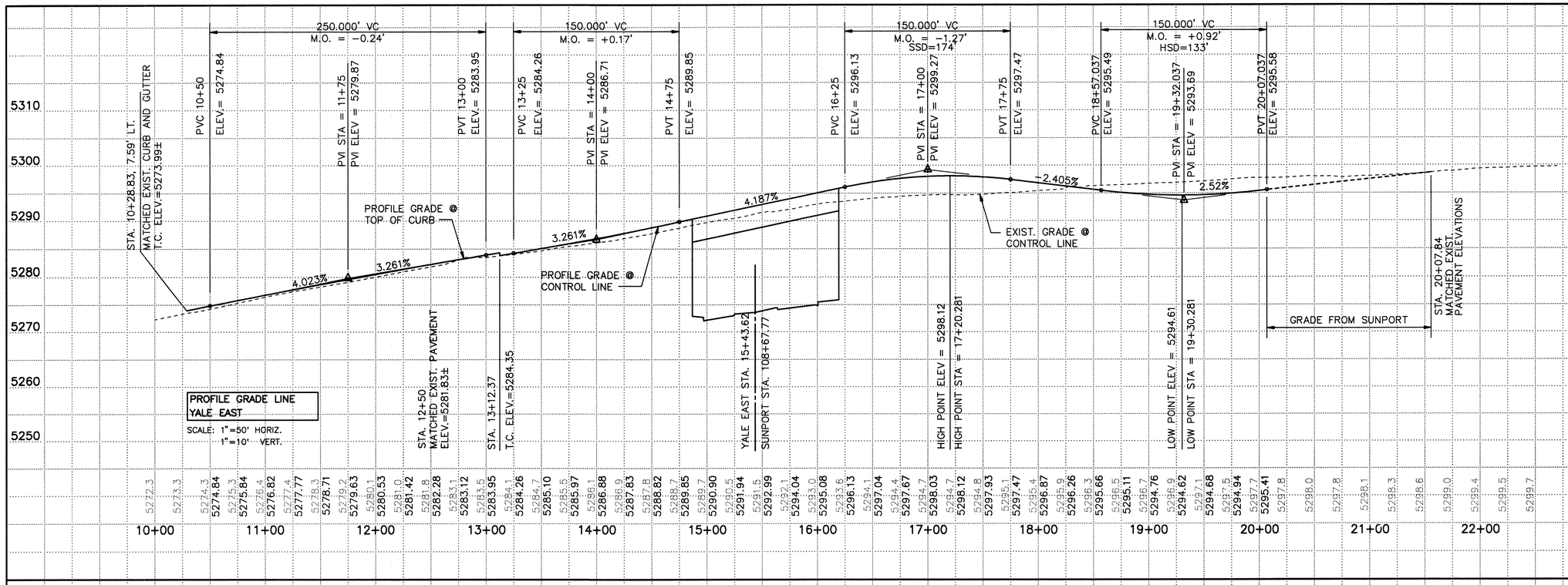

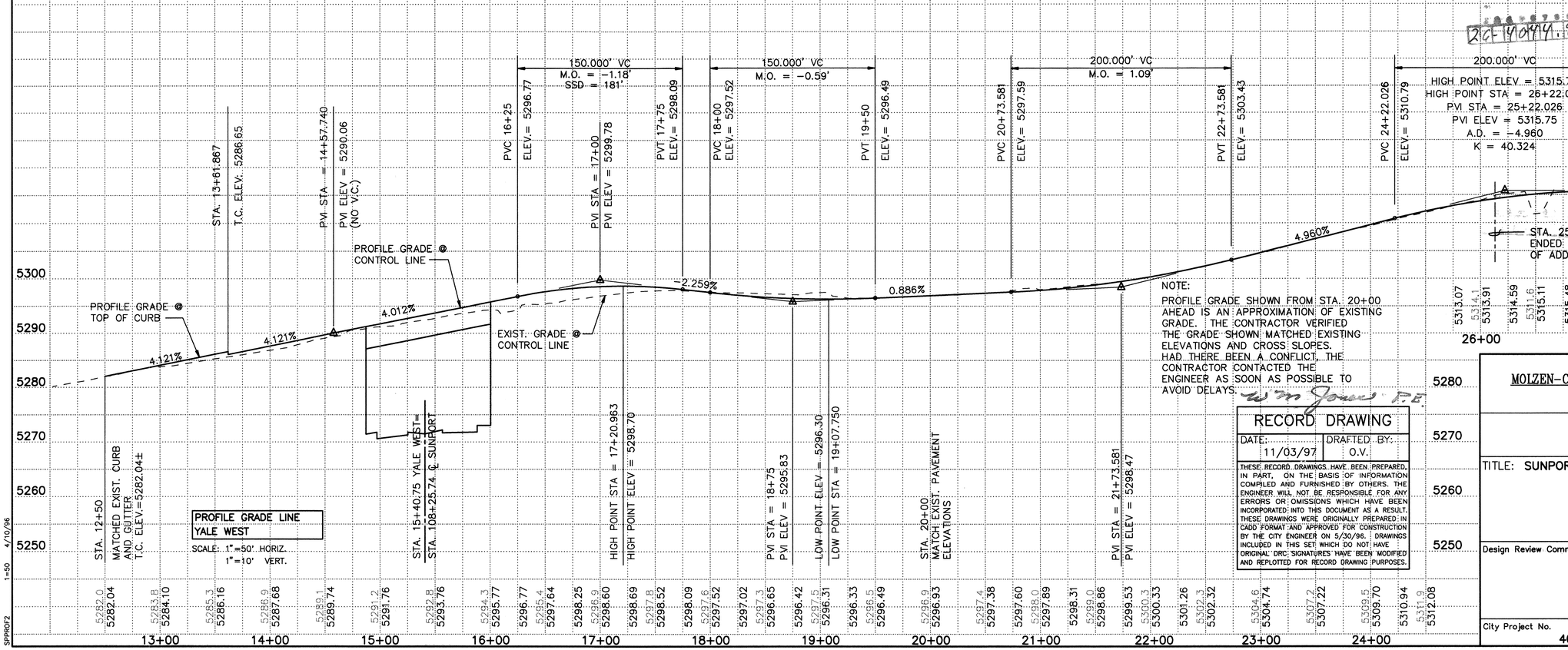

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT. THESE DRAWINGS WERE ORIGINALLY PREPARED IN CADD FORMAT AND APPROVED FOR CONSTRUCTION BY THE CITY ENGINEER ON 5/30/96. DRAWINGS INCLUDED IN THIS SET WHICH DO NOT HAVE ORIGINAL DRC SIGNATURES HAVE BEEN MODIFIED AND REPLOTTED FOR RECORD DRAWING PURPOSES.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 19.39". SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)

N.M. CENTRAL ZONE: X=389099.37, Y=1472805.36

PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

AS BUILT INFORMATION

CONTRACTOR
WORK STARTED BY — DATE
WORK COMPLETED — DATE
ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE

NO.

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY O.V. DATE 4/11/96
DRAWN BY DKS DATE 4/11/96
CHECKED BY TBS DATE 4/11/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

YALE BOULEVARD PROFILES

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	3–6	

SPRPOF2 4/10/96 1=50

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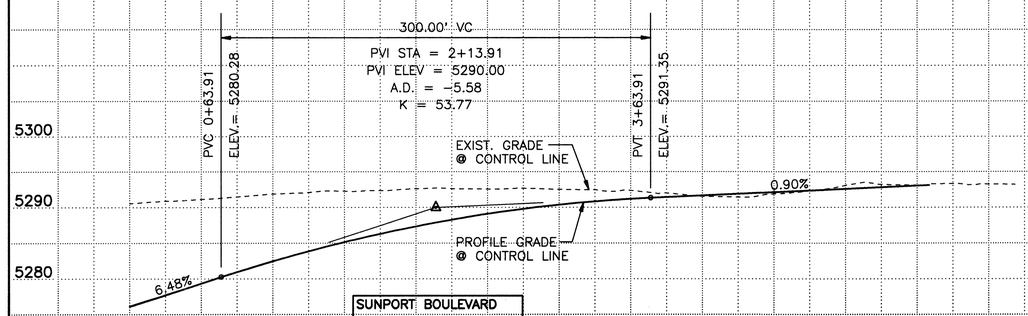
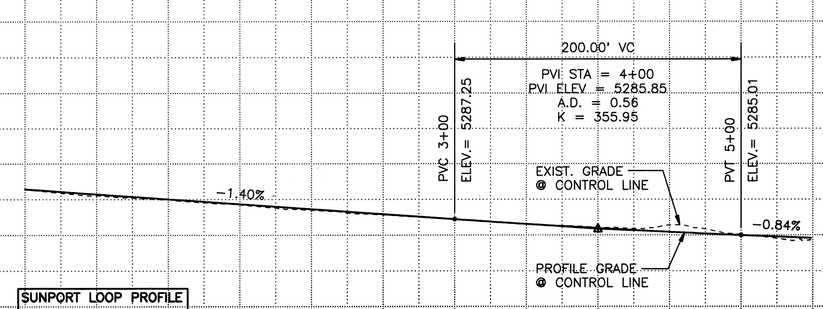


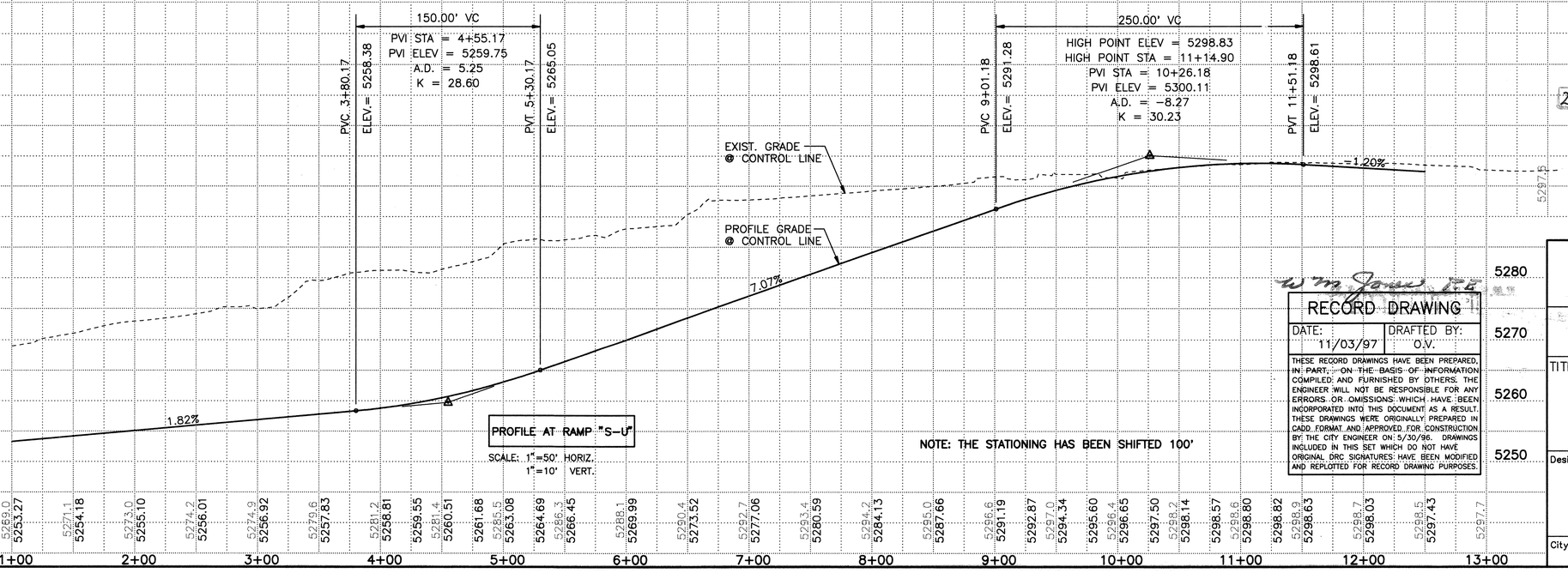
SUNPORT BOULEVARD
WEST BOUND LANES

SCALE: 1"=50' HORIZ.
1"=10' VERT.



SUNPORT LOOP PROFILE
AT LIP OF GUTTER

SCALE: 1"=50' HORIZ.
1"=10' VERT.



PROFILE AT RAMP "S-U"

SCALE: 1"=50' HORIZ.
1"=10' VERT.

NOTE: THE STATIONING HAS BEEN SHIFTED 100'

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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ENGINEER'S SEAL

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (WEMPOINT RD.)

N.M. CENTRAL ZONE: X=3890997.37, Y=1472805.36

PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

AS BUILT INFORMATION

CONTRACTOR _____ DATE
WORK STAKED BY _____ DATE
INSPECTOR'S COMMENTS _____ DATE
FIELD CORRECTION BY _____ DATE
DRAWINGS CORRECTED BY _____ DATE

MICRO-FILM INFORMATION

RECORDED BY _____ DATE
NO. _____

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
			DESIGNED BY O.V. DATE 4/10/96
			DRAWN BY DKS DATE 4/10/96
			CHECKED BY TRS DATE 4/10/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

MISCELLANEOUS ROADWAY PROFILES

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	3–7	

SPPROF1 4/11/96 1=50

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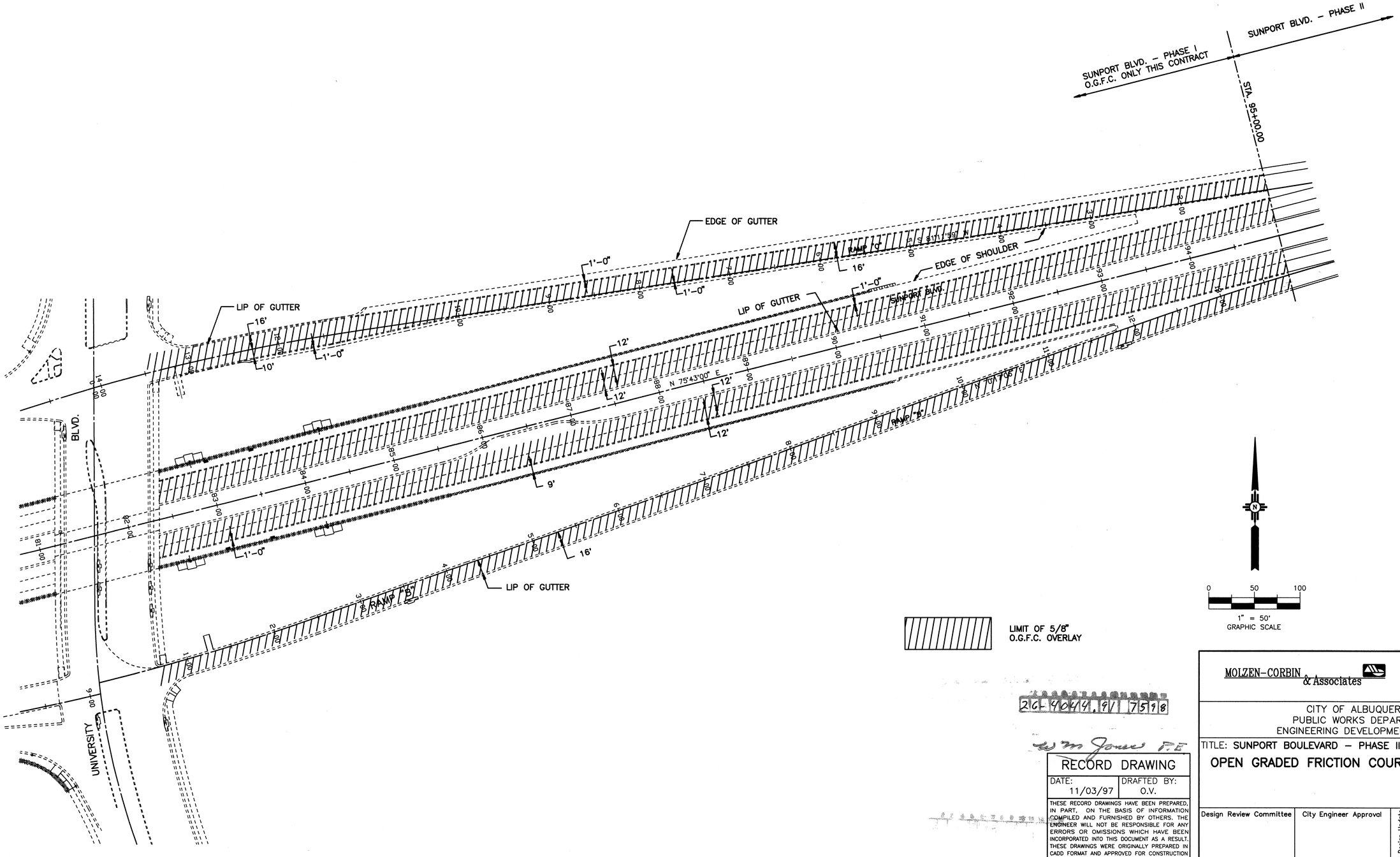

0 50 100
1" = 50'
GRAPHIC SCALE

LIMIT OF 5/8"
O.G.F.C. OVERLAY

2IC-404.91 | 7598

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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AS BUILT INFORMATION

CONTRACTOR WORK STAKED BY — DATE
INSPECTED BY — DATE
ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO–FILM INFORMATION

RECORDED BY — DATE
NO.

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1939".
SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY O.V. DATE 4/11/96
DRAWN BY STAFF DATE 4/11/96
CHECKED BY TDS DATE 4/11/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **SUNPORT BOULEVARD – PHASE II**

OPEN GRADED FRICTION COURSE OVERLAY PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	3–8	

CABOGFC 1=50 5/28/96

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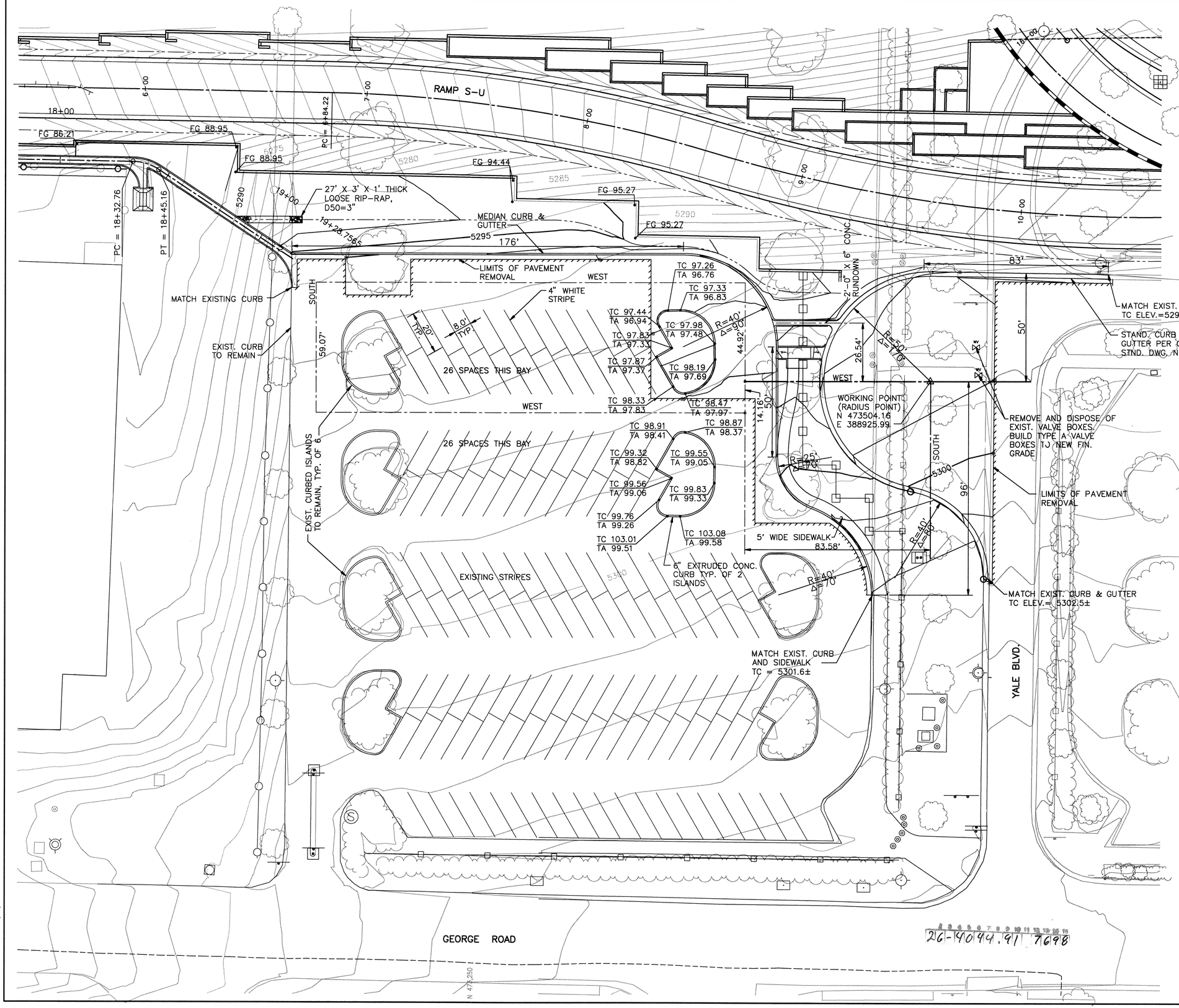
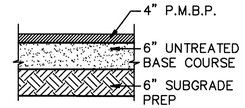
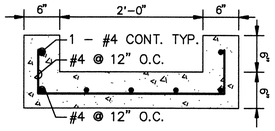




TYPICAL PAVING SECTION
TURNAROUND & PARKING LOT



TYPICAL RUNDOWN SECTION

RECORD DRAWING
DATE: 11/03/97
DRAFTED BY: O.V.
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AS BUILT INFORMATION
CONTRACTOR
WORKS BY DATE
INSPECTORS
FIELD ELEVATIONS BY DATE
VERIFICATION BY
SURVEYED BY DATE
CORRECTED BY DATE

BENCH MARKS
STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY O.V.	DATE 6/27/96
		DRAWN BY DKS	DATE 6/27/96
		CHECKED BY TRS	DATE 6/27/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

SERVICE ROAD TURNOUT AND PARKING LOT MODIFICATIONS SITE/GRADING PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	3-9.1	

26-140144.91 7698

CABPARK1 1=20 6/27/96

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CURB CURVE DATA – RADIUS POINT

CURVE	RADIUS	DELTA	TANGENT	LENGTH	NORTHING	EASTING
C1	676.00'	15°21'57.2"	91.19'	181.29'	472951.8202	388244.1457
C2	5709.60'	04°58'29.3"	248.03'	495.75'	479377.5239	388881.6072
C3	5623.60'	02°39'19.1"	130.33'	260.62'	479377.5239	388881.6072
C23	4986.09'	04°21'26.0"	189.68'	379.18'	468732.9685	390136.8864
C24	3.00'	175°38'34.0"	78.86'	9.20'	473688.2377	389418.3681
C25	5.00'	143°38'43.5"	15.23'	12.54'	473948.3464	389071.9728
C26	103.00'	22°44'34.7"	20.72'	40.88'	473842.9981	389048.1878
C27	150.00'	18°53'28.9"	24.96'	49.46'	473982.3805	389284.5863
C28	150.00'	13°59'12.9"	18.40'	36.62'	473684.9074	389323.4421
C29	85.00'	50°09'19.4"	39.78'	74.41'	473842.9981	389048.1878
C33	5.00'	101°24'22.1"	6.11'	8.85'	473938.5989	388968.5462
C34	148.44'	00°53'57.7"	1.17'	2.33'	473792.4348	389112.5962
C35	2.00'	159°43'09.4"	11.18'	5.58'	473594.8434	389042.8005
C36	171.82'	71°45'15.8"	124.27'	215.18'	473759.5894	389098.2187
C37	3.00'	171°15'01.1"	39.21'	8.97'	473665.0128	388993.5492
C38	177.44'	48°57'43.8"	80.79'	151.63'	473801.7848	389111.2439
C39	150.00'	55°46'09.0"	79.37'	146.00'	473760.5553	389105.2660
C40	652.00'	15°38'30.5"	89.56'	178.00'	472996.2700	388644.2283
C41	2.00'	174°09'09.4"	39.16'	6.08'	473657.8968	388352.6281
C42	4146.89'	03°09'52.4"	114.55'	229.04'	469535.5524	388893.5979
C43	3268.43'	05°50'53.1"	166.95'	333.60'	470402.7610	388624.0034
C44	2288.13'	09°31'10.2"	190.52'	380.17'	476043.3112	388973.1598
C45	450.00'	06°55'15.9"	27.21'	54.36'	473377.7150	389428.1008
C46	986.13'	05°33'14.1"	47.83'	95.59'	474813.6301	389452.9438
C47	2.00'	151°48'36.8"	7.97'	5.30'	473821.4500	389489.7709
C48	500.00'	09°11'06.6"	40.16'	80.16'	474288.5864	389317.1802
C49	30.00'	79°37'59.1"	25.01'	41.70'	473889.1316	388993.1862
C52	1443.00'	12°16'10.4"	155.10'	309.01'	472317.5467	388464.3709
C53	1621.77'	03°42'50.6"	52.58'	105.13'	475367.3824	389132.1021
C54	624.00'	15°38'30.5"	85.71'	170.35'	472996.2700	388644.2283
C55	665.15'	18°24'46.0"	107.81'	213.76'	474257.7084	389023.2600
C56	693.15'	23°01'52.2"	141.22'	278.63'	474257.7084	389023.2600
C57	5350.92'	02°19'40.5"	108.72'	217.41'	468276.1586	389921.9769
C58	5390.92'	02°13'15.0"	104.49'	208.96'	468276.1586	389921.9769
C59	5651.60'	02°39'19.1"	130.98'	261.92'	479377.5239	388881.6072
C60	5681.60'	04°58'29.3"	246.81'	493.32'	479377.5239	388881.6072
C61	70.10'	66°07'21.3"	45.63'	80.90'	473836.1260	389854.0642
C62	391.94'	19°00'19.3"	65.61'	130.01'	474132.6087	389728.8390
C63	1385.00'	15°21'57.2"	186.84'	371.44'	472317.5467	388464.3709
C64	1415.00'	15°21'57.2"	190.89'	379.48'	472317.5467	388464.3709
C65	52.00'	19°56'54.4"	9.14'	18.10'	473591.5249	388016.8813
C66	148.00'	19°56'54.4"	26.03'	51.53'	473742.0753	387846.2274
C67	2316.13'	11°39'34.7"	236.48'	471.33'	476043.3112	388973.1598
C68	1441.00'	03°05'46.9"	38.95'	77.87'	472317.5467	388464.3709

CURVE DATA FOR STANDARD CURB AND GUTTER AND MEDIAN CURB IS GIVEN TO THE FLOWLINE OF THE CURB.

MOUNTABLE CURB CURVE DATA IS GIVEN TO BACK OF CURB.

COORDINATE POINT SCHEDULE

POINT #	NORTHING	EASTING	DESCRIPTION	POINT #	NORTHING	EASTING	DESCRIPTION
1	473551.07	387635.06	CL	126	473661.07	388628.21	WALL
2	473491.65	387650.19	PC	127	473657.69	388628.14	WALL
3	473508.24	387645.97	CL	128	473657.01	388664.17	WALL
4	473547.02	387785.31	CL	129	473659.01	388664.21	WALL
5	473600.44	387622.50	CL	130	473658.18	388707.97	WALL
6	473616.37	387725.35	CL	131	473660.18	388708.01	WALL
7	473598.65	387882.74	PC	132	473653.19	388707.82	WALL
8	473619.71	387929.48	PRC	133	473649.35	388752.24	WALL
9	473627.11	387945.91	PT	134	473644.35	388752.14	WALL
10	473641.92	388004.05	PC	135	473658.79	388781.76	WALL
11	473643.27	388022.01	PRC	136	473653.79	388781.67	WALL
12	473647.12	388073.14	PT	137	473643.79	388781.48	WALL
13	473554.25	387870.48	PT	138	473638.79	388781.39	WALL
14	473606.92	388077.36	PC	139	473653.35	388805.16	WALL
15	473627.70	388256.92	PT	140	473648.35	388805.06	WALL
16	473620.49	388073.91	CL	141	473638.35	388804.88	WALL
17	473641.70	388257.18	CL	142	473633.35	388804.78	WALL
18	473674.27	388118.96	CL	143	473647.97	388825.17	WALL
19	473733.13	388184.41	PC	144	473642.97	388825.07	WALL
20	473717.30	388490.82	CL	145	473642.62	388843.45	WALL
21	473661.88	388352.30	PC	146	473637.62	388843.35	WALL
22	473653.90	388352.55	PC	147	473632.97	388824.88	WALL
23	473670.61	388685.75	PT	148	473627.97	388824.79	WALL
24	473711.94	388774.56	PC	149	473627.62	388843.16	WALL
25	473760.29	388491.63	PT	150	473637.24	388863.71	WALL
26	473732.29	388491.10	PT	151	473632.24	388863.61	WALL
27	473702.30	388490.54	PT	152	473622.63	388843.07	WALL
28	473696.94	388774.27	PC	153	473622.24	388863.42	WALL
29	473726.93	388774.84	PC	154	473617.24	388863.33	WALL
30	473754.93	388775.37	PC	155	473616.79	388887.31	WALL
31	473713.06	389037.15	CL	156	473611.79	388887.22	WALL
32	473742.05	389036.35	CL	157	473631.79	388887.14	WALL
33	473684.07	389037.94	CL	158	473626.80	388887.04	WALL
34	473756.04	389035.96	PCC	159	473611.21	388917.73	WALL
35	473728.05	389036.73	PCC	160	473606.26	388917.63	WALL
36	473695.06	389268.24	CL	161	473626.32	388912.04	WALL
37	473709.03	389267.29	PC	162	473636.32	388912.23	WALL
38	473681.09	389269.19	PC	163	473636.04	388927.22	WALL
39	473691.23	389418.16	PC	164	473646.03	388927.41	WALL
40	473685.27	389418.80	PC	165	473646.00	388942.81	WALL
41	473667.47	389421.45	PC	166	473655.00	388942.64	WALL
42	473683.30	389419.16	CL	167	473660.01	389083.23	WALL
43	473711.06	389680.21	CL	168	473655.02	389083.41	WALL
44	473707.56	389798.42	PT	169	473656.05	389155.68	WALL
45	473788.68	389503.33	PCC	170	473661.05	389155.61	WALL
46	473797.93	389413.38	PT	171	473661.60	389193.95	WALL
47	473819.57	389490.46	PC	172	473666.60	389193.88	WALL
48	473823.43	389490.05	PC	173	473667.58	389262.21	+
49	473827.65	389435.89	PC	174	473664.09	389262.26	WALL
50	473833.93	389340.54	PRC	175	473862.89	388975.11	WALL
51	473833.64	389304.01	PRC	176	473862.96	388964.45	WALL
52	473835.37	389254.81	PRC	177	473845.92	388980.62	WALL
53	473907.98	389102.98	PC	178	473845.95	388974.96	WALL
54	473926.70	389033.40	PT	179	473825.61	388980.49	WALL
55	473918.67	388987.97	PC	180	473825.57	388986.15	WALL
56	473889.31	388963.19	PT	181	473806.90	388986.04	WALL
57	473952.11	389075.33	PC	182	473806.87	388991.70	WALL
58	473943.47	389070.87	PT	183	473788.20	388991.59	WALL
59	473944.43	389030.27	PT	184	473788.17	388997.25	WALL
60	473933.68	388969.42	PC	185	473774.58	388997.17	WALL
61	473938.72	388963.55	PC	186	473774.64	388986.51	WALL
62	473741.56	389745.42	CURB	187	473768.98	388986.47	WALL
63	473741.57	389755.45	CURB	188	473764.97	388974.52	WALL
64	473771.55	389881.34	PCC	189	473764.86	388966.69	WALL
65	473834.93	389924.15	PT	190	473764.26	388924.93	WALL
66	473634.16	388656.28	CL	191	473766.10	388808.92	WALL
67	473582.66	389097.87	CL	192	473768.15	388808.95	WALL
68	473607.28	388827.82	CL	193	473770.13	388684.49	WALL
69	473584.84	389117.53	CL	194	473772.13	388684.52	WALL
70	473596.77	389116.21	CL	195	473773.32	388609.53	WALL
71	473611.46	389121.74	PT	196	473775.32	388609.57	WALL
72	473626.18	389136.70	PT	197	473776.11	388559.57	WALL
73	473596.74	389043.44	PC	198	473778.11	388559.60	WALL
74	473592.84	389042.86	PC	199	473778.91	388509.61	WALL
75	473620.69	388831.85	PRC	200	473780.91	388509.64	WALL
76	473593.88	388823.79	PRC	201	473781.70	388459.65	WALL
77	473648.15	388656.55	PC	202	473783.70	388459.68	WALL
78	473620.16	388656.02	PC	203	473784.50	388409.69	WALL
79	473668.94	388773.75	PC	204	473786.50	388409.72	WALL
80	473667.29	388995.51	PC	205	473787.69	388334.50	WALL
81	473663.06	388991.27	PC	206	473789.69	388334.53	WALL
82	473634.45	389329.76	PC	207	473790.12	388307.74	WALL
83	473594.70	389334.16	PC	208	473799.70	388306.72	WALL
84	473620.54	389331.30	CL	209	473561.58	388814.62	WALL
85	473639.41	389538.84	PT	210	473533.07	388854.29	CURB
86	473653.38	389537.85	PT	211	473531.71	388856.18	CURB
87	473614.18	389550.67	CURB	212	473529.71	388856.52	CURB
88	473568.75	389099.41	PT	213	473528.50	388855.54	CURB
89	473793.36	388960.60	CL	214	473529.71	388879.62	CURB
90	473760.58	388934.41	CL	215	473526.80	388881.41	CURB
91	473642.02	389134.41	CL	216	473531.71	388883.20	CURB
92	474001.26	388935.86	CL	217	473532.57	388884.84	CURB
93	473520.55	387957.96	WALL	218	473528.77	388803.57	CURB
94	473519.70	388002.95	WALL	219	473536.62	388807.54	CURB
95	473521.70	388002.99	WALL	220	473536.69	388813.13	CURB
96	473520.66	388057.98	WALL	221	473521.27	388828.95	CURB
97	473544.66	388058.43	WALL	222	473514.04	388829.05	CURB
98	473543.24	388133.42	WALL	223	473498.33	388815.55	CURB
99	473568.24	388133.89	WALL	224	473501.41	388809.84	CURB
100	473566.82	388208.88	WALL	225	473515.20	388801.98	CURB
101	473589.82	388209.31	WALL	226	473519.21	388809.02	CURB
102	473588.87	388259.31	WALL	227	473481.03	388815.45	CURB
103	473611.87	388259.74	WALL	228	473465.97	388829.05	CURB
104	473609.41	388389.72	WALL	229	473478.60	388809.84	CURB
105	473611.41	388389.75	WALL	230	473451.24	388803.57	CURB
106	473609.99	388464.74	WALL	231	473464.81	388801.98	CURB
107	473611.99	388464.78	WALL	232	473460.80	388809.02	CURB
108	473610.58	388539.77	WALL	233	473443.39	388807.54	CURB
109	473612.58	388539.80	WALL	234	473443.32	388813.13	CURB
110	473611.16	388614.79	WALL	235	473458.74	388828.95	CURB
111	473599.15	388614.56	WALL	236	473470.46	388856.47	CURB
112	473596.79	388739.54	WALL	237	473447.09	388872.57	CURB
113	473586.79	388739.35	WALL	238	473407.98	388899.53	CURB
114	473585.75	388794.34	WALL	239	473454.96	388917.10	CURB
115	473570.76	388794.05	WALL	240	473415.11	388949.98	CURB
116	473569.72	388848.90	WALL	241	473513.40	388876.85	CURB
117	473555.38	388848.63	WALL	242	473554.16	388926.77	CURB
118	473554.68	388885.68	WALL	243	473605.31	388967.96	WALL
119	473549.69	388885.59	WALL	244	473600.26	388967.87	WALL
120	473486.11	387957.31	WALL	245	473599.03	389032.94	WALL
121	473659.21	388514.86	WALL	246	473623.81	387616.55	EP
122	473658.52	388551.14	WALL	247	473662.32	387865.33	EP
123	473660.52	388551.18	WALL	248	473723.69	388106.38	EP
124	473659.96	388581.17	WALL	249	473737.42	388165.43	EP
125	473661.96	388581.21	WALL				

AS BUILT INFORMATION

CONTRACTOR
WORK STARTED BY — DATE
WORK SUSPENDED BY
ACCEPTANCE BY — DATE
TESTS BY
VERIFICATION BY — DATE
DRAWINGS BY
CONSTRUCTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)

PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

JOHN D. SCHMENK, NEW MEXICO, 4739, REGISTERED PROFESSIONAL ENGINEER

26-4044.91 1798

W M Jones P.E.

RECORD DRAWING

DATE: 11/03/97 — DRAFTED BY: O.V.

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NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
			DATE 5/28/96
		DESIGNED BY	OV
		DRAWN BY	STAFF
		CHECKED BY	TDS

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

GEOMETRIC DATA SCHEDULES

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED MAY 20 1998 DESIGN REVIEW COMMITTEE	APPROVED CITY ENGINEER			

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&15	3–10	

cabplabl 1=1 5/28/96

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0 100 200

1" = 100'
GRAPHIC SCALE

SUNPORT BOULEVARD PHASE I | SUNPORT BOULEVARD PHASE II

RELOCATED 20" WATERLINE
SEE PLAN & PROFILE SHEETS

REMOVED 16" SAS LINE
SEE REMOVAL PLANS

REMOVED 8" SAS LINE
SEE REMOVAL PLANS

8" SAS LINE
SEE PLAN & PROFILE
SHEETS 4-2 & 4-3

YALE BLVD.

SUNPORT LOOP

WEST BOUND LANES

EAST BOUND LANES

RAMP S-U

RAMP Y-L

RAMP Y-U

SERVICE ROAD

SUNPORT BLVD.

RELOCATED 8" SAS LINE
SEE PLAN & PROFILE
SHEET 4-3

ABANDONED 16" LINE
IN PLACE SEE
SHEET 4-6

RELOCATED 20" WATERLINE
SEE PLAN & PROFILE SHEETS
4-4 AND 4-5

GEORGE ROAD

RELOCATED GEORGE ROAD

RELOCATED 18" WATERLINE
PHASE I
C.O.A. [PROJECT #4044.90)

NOTES:

SEE REMOVAL PLANS FOR SEQUENCE AND LIMITS OF UTILITY LINE REMOVALS

SEE SHEETS 4-8A, 4-8B & 4-8C FOR GEORGE ROAD 18" WATERLINE RELOCATION DETAILS

CAUTION:

NOTE THAT ALL EXISTING UTILITIES MAY NOT BE SHOWN HEREON AND THAT ANY EXISTING UTILITIES THAT ARE SHOWN ARE IN APPROXIMATE LOCATION ONLY. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL THE UTILITY OWNERS AND TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATIONS OF UTILITIES AND OTHER IMPROVEMENTS.

2 3 4 5 6 7 8 9 10 11 12 13 14 15
2IC-140144.191 78198

wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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ENGINEER'S SEAL

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

BENCH MARKS
STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

AS BUILT INFORMATION

	DATE
CONTRACTOR WORK STARTED BY	
INSPECTION BY	DATE
ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE

MICRO-FILM INFORMATION

	DATE
RECORDED BY	
NO.	

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY O.V.	DATE 5/10/96
		DRAWN BY DKS	DATE 5/10/96
		CHECKED BY TDS	DATE 5/10/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

EXISTING AND RELOCATED UTILITIES GENERAL PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	4-1	

SPXUTIL1 1=100 5/21/96

STA. 5+33.00 SAS LINE 1=

STA. 98+34.41 – 8.8' LT. SUNPORT BLVD.
BUILT 4' ø TYPE "E"
M.H. SAS-1
N= 473642.13
E= 387956.95

STA. 8+93.90 SAS LINE 1=

STA. 3+46.80 – 6.0' RT. RAMP S-U
BUILT 4' ø TYPE "E" M.H.
M.H. SAS-2
N= 473634.54
E= 388318.83
M.H. WAS LINED, SEE SPECIFICATIONS

BUILT CURVILINEAR SAS LINE,
DEFLECT 8.69 JOINTS. EACH
JOINT DEFLECTED 1° 48' 47"
OFFSET = 0.63'

SUNPORT BOULEVARD PHASE I | SUNPORT BOULEVARD PHASE II

SUNPORT BLVD.

N 88°54'41" W

8" SAS

RAMP S-U

SAS JB 105+00

MATCHLINE STA. 13+50.00 SEE SHEET 4-3

N 75°43'00" E

8" SAS

20" W

SD

6" SAS

CONC. CHANNEL

OHE

16" W

16" C.C.T.L.

SEE SHEET 4-6
FOR WATERLINE
PLAN & PROFILE

6" W

STA. 2+00.00 SAS LINE 1=

STA. 95+00.00 – 8.50' LT SUNPORT BLVD.
BEGIN 8" SAS LINE
TIED TO EXISTING 8" SAS LINE
w/8" PVC COUPLING
N= 473559.31
E= 387632.97

Ⓒ1 CURVE DATA

PC = 12+33.62
PRC = 14+06.16
Δ = 15°38'31"
R = 632.000'
T = 86.81'
L = 172.54'

SEE SHEET 4-3
FOR SAS LINE 2
PLAN & PROFILE

NOTES:

1. CURVILINEAR SEWER LINE DEFLECTION ANGLES WHERE CALCULATED USING A PIPE JOINT LENGTH OF 20'.
2. IN THE AREA OF CURVILINEAR CONSTRUCTION, THE TRENCH WAS EXCAVATED TO A WIDTH THAT ALLOWED FOR STRAIGHT LINE INSTALLATION OF PIPE JOINTS. JOINTS WERE DEFLECTED AFTER INSTALLATION.
3. TRENCH & BACKFILL WAS MEASURED FROM THE SURFACE WHICH IS CLOSEST TO THE INVERT OF THE PIPE

0 50 100
1" = 50'
GRAPHIC SCALE

SCALE: 1"=50' HORIZ.
1"=5' VERT.

332.72' – 8" P.V.C. @ S = 4.580%

361.18' – 8" P.V.C. @ S = 1.12%

512.26' – 8" P.V.C. @ S = 6.26%

EXISTING GROUND

STA. 5+91.47
20" WATERLINE

RIM EL.=5248.68

FINISHED GRADE @
℄ SAS LINE

STA. 2+00.00
BEGIN NEW 8" SAS LINE
REMOVED CAP AND TIED
TO EXISTING SAS LINE
INV. EL.= 5226.0±

EXISTING GROUND

EXISTING GROUND

STA. 6+31.01
18" S.D.

STA. 6+82.33
36" S.D.

STA. 8+83.90
18" S.D.

RIM EL. =5257.55

FINISHED GRADE @
℄ SAS LINE

FINISHED GRADE @
℄ SAS LINE

MATCHLINE STA. 13+50.00
SEE SHEET 4-3

EXIST. 8" SANITARY
SEWER LINE

NEW 8" SAS LINE

STA. 5+32.72
BUILT 4' ø TYPE "E"
M.H. SAS-1
INV. W = 41.19
INV. E = 41.32

NEW 8" SAS LINE

NEW 8" SAS LINE

STA. 8+93.90 BUILT 4' ø
TYPE "E" M.H. SAS-2
INV. W = 45.28, INV. E = 45.63
M.H. WAS LINED, SEE SPECIFICATIONS

5280 5275 5270 5265 5260 5255 5250 5245 5240 5235 5230 5225

5285 5280 5275 5270 5265 5260 5255 5250

1+00 2+00 3+00 4+00 5+00 6+00 7+00 8+00 9+00 10+00 11+00 12+00 13+00 14+00

5244.2 5246.3 5249.0 5251.4 5254.1 5257.2 5260.1 5262.7 5264.3 5266.7 5269.4 5270.9 5273.0 5274.3 5276.3 5280.2 5282.0 5281.8 5286.4 5284.6 5288.1 5290.6 5293.2 5293.5

C4SSPP1 1=50 5/23/96

W m Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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AS BUILT INFORMATION

CONTRACTOR STAKED BY — DATE
INSPECTORS FIELD TASKS BY — DATE
VERIFICATION BY — DATE
DRAWING CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)

PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY
		DESIGN	
	DATE 5/10/96	DESIGNED BY	O.V.
	DATE 5/10/96	DRAWN BY	DKS
	DATE 5/10/96	CHECKED BY	TDS

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

SAS LINE 1
PLAN & PROFILE
STA. 2+00.00 TO STA. 13+50.00

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 4044.91 | Zone Map No. M15&16 | Sheet 4–2 | Of

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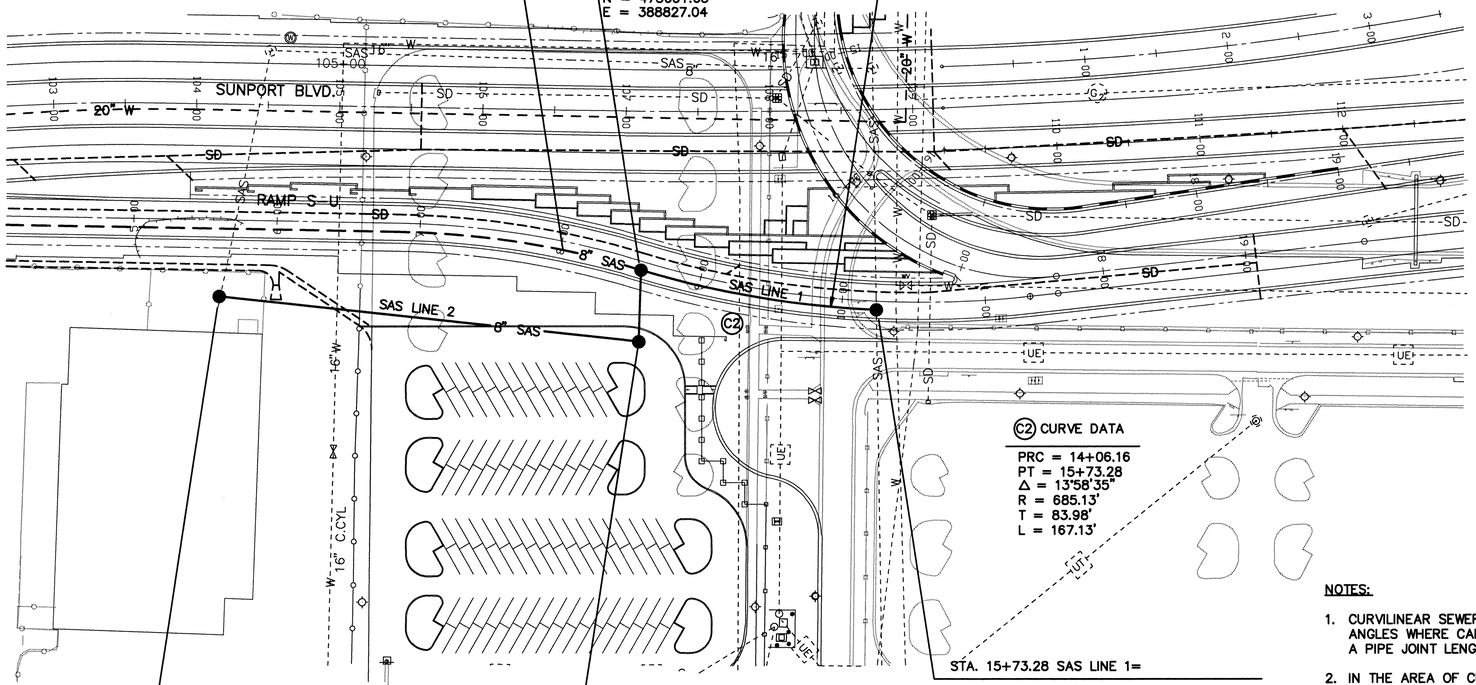
STA. 13+50.00 SAS LINE 1

SEE SHEET 4-2 FOR CONTINUATION

STA. 14+06.16 SAS LINE 1=

STA. 8+59.26 – 5.64' RT. RAMP S-U
BUILT 4' ø TYPE "E" M.H.
LINED M.H. SAS-4, SEE SPECIFICATIONS
N = 473601.63
E = 388827.04

BUILT CURVILINEAR SAS LINE,
DEFLECTED 8.40 JOINTS. EACH
JOINT DEFLECTED 1° 40' 21"
OFFSET = 0.60'



C2 CURVE DATA

PRC = 14+06.16
PT = 15+73.28
Δ = 13°58'35"
R = 685.13'
T = 83.98'
L = 167.13'

STA. 1+00.00 LINE 2=

STA. 5+60.30 – 53.4' RT. RAMP S-U
BUILT 4' ø TYPE "C", M.H. SAS-6
REMOVED LINE TO NORTH, SEE REMOVAL PLANS
N = 473583.13
E = 388531.35

STA. 3+94.72 LINE 2=

STA. 8+70.35 – 54.68' RT. RAMP S-U
BUILT 4' ø TYPE "E"
M.H. SAS-7
N = 473551.31
E = 388824.49

STA. 15+73.28 SAS LINE 1=

STA. 10+24.75 – 6.5' RT. RAMP S-U
BUILT 4' ø TYPE "E" M.H. OVER EXIST. LINE
REMOVED LINE TO NORTH, SEE REMOVAL PLANS
M.H. SAS-5
N = 473572.78
E = 388991.08

NOTES:

1. CURVILINEAR SEWER LINE DEFLECTION ANGLES WHERE CALCULATED USING A PIPE JOINT LENGTH OF 20'.
2. IN THE AREA OF CURVILINEAR CONSTRUCTION, THE TRENCH WAS EXCAVATED TO A WIDTH THAT ALLOWED FOR STRAIGHT LINE INSTALLATION OF PIPE JOINTS. JOINTS WERE DEFLECTED AFTER INSTALLATION.

wm Jones P.E.

RECORD DRAWING

DATE: 11/03/97	DRAFTED BY: O.V.

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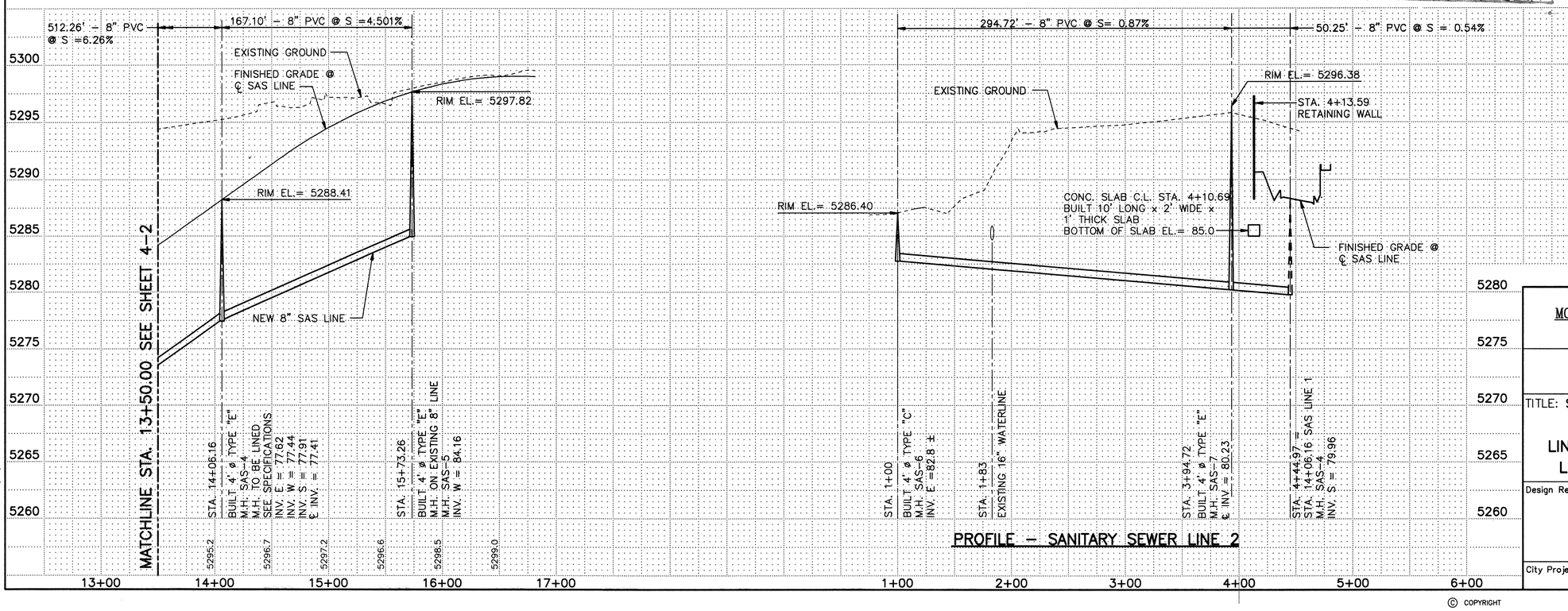
N

0 50 100
1" = 50'
GRAPHIC SCALE

SCALE: 1"=50' HORIZ.
1"=5' VERT.

24-90999.91 86998



PROFILE – SANITARY SEWER LINE 2

1=50 5/23/96
CABSSPP2

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AS BUILT INFORMATION

CONTRACTOR — DATE
STAKED BY — DATE
INSPECTOR'S FIELD NOTES BY — DATE
VERIFICATION BY — DATE
CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
No.

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY OV — DATE 5/14/96
DRAWN BY DKS — DATE 5/14/96
CHECKED BY TDS — DATE 5/14/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

SAS PLAN & PROFILE
LINE 1 – STA. 13+50.00 TO STA. 15+73.26
LINE 2 – STA. 1+00.00 TO STA. 4+17.31

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	4-3	

STA. 4+23.83
INSTALLED: 1–90° BEND
Lr= 43'
N = 473562.79
E = 387709.47

STA. 8+57.16
BEGAN CURVLINEAR WATERLINE
DEFLECTED 45 ± JOINTS
0°41'54" PER JOINT

MATCHLINE STA. 11+00.00 SEE SHEET 4–5

SUNPORT BLVD.

6" WATER VALVE
N = 473519.47
E = 387730.82
RIM ELEV. = 5435.52

S 75°43'00" W
7.00'
20" W

N = 473667.48
E = 388120.68

PC STA. 8+41.19

CONCRETE CHANNEL

STA. 3+76.90
1– 20"x6" TEE, Lr RUN= 20'
Lr BRANCH @ FITTING ONLY
1– 6" 90° BEND, Lr= 25'
ROTATED 90° BEND 7° 19" DOWNWARD
1– 6" GATE VALVE
50 L.F. – 6" PVC

6" IRRIGATION LINE SEE SHT. 4–6

STA. 2+96.37
INSTALLED: 1–11 1/4° BEND
1– AIR RELEASE VALVE
PER C.O.A. STD. DWG 2350
Lr= 9'

STA. 2+35.35
1–22 1/2° BEND
1–11 1/4° BEND
DEFLECTED 3 JOINTS
1°53' Lr=9'
N = 4733800.13
E = 387755.97

N 14°17'00" W

STA. 0+77.05
CONNECTED TO EXIST.
45° BEND. PROVIDED
RESTRAINING GLAND
AT FITTING AND RESTRAINED
ALL PIPE JOINTS 21'
NORTH OF CONNECTIION.
N 473266.58
E 387866.26

STA. 1+41.66
1–20" X 6" TEE
Lr RUN = 20'
Lr BRANCH @ FITTING ONLY
1– 6" GATE VALVE

N44°09'55"W

STA. 1+00.00
BEGAN 20" WATERLINE
1–20" X 16" REDUCER

16" WATERLINE INSTALLED PHASE I
C.O.A. PROJECT #4084.90

WATERLINE GENERAL NOTES

1. BEFORE FITTINGS WERE ORDERED FOR CONNECTIONS TO EXISTING WATERLINES, THE CONTRACTOR VERIFIED THE SIZE AND MATERIALS OF EXISTING LINES. THIS ACTIVITY WAS CONSIDERED INCIDENTAL TO WATERLINE CONSTRUCTION AND NO ADDITIONAL PAYMENT WAS MADE THEREFORE.
2. TEST PRESSURE OF 150 P.S.I. WAS USED TO CALCULATE LENGTHS OF RESTRAINT (Lr). Lr APPLIES TO BOTH SIDES OF FITTING. ALL JOINTS WITHIN THE Lr WERE RESTRAINED.
3. IN THE AREAS OF CURVLINEAR WATERLINE CONSTRUCTION, TRENCH WAS OF SUFFICIENT WIDTH TO ALLOW STRAIGHT LINE INSTALLATION OF PIPE JOINTS. PIPE JOINTS WERE ONLY DEFLECTED, AS SHOWN ON PLANS, AFTER INSTALLATION.
4. ALL VALVES WERE ANCHORED IN ACCORDANCE w/CITY OF ALBUQUERQUE STD. DWG NO. 2333
5. DURING THE PERIOD OF TIME THE EXISTING 16" WATERLINE WITHIN THE PROJECT WAS OUT OF SERVICE AND PRIOR TO COMPLETION OF THE NEW 20" WATERLINE, THE CONTRACTOR CONNECTED THE 12" WATERLINE IN ZONE 2E, (SEE WATER SHUT–OFF PLAN, SHEET 4–7) TO THE 18" WATERLINE IN ZONE 3E. THIS CONNECTION WAS MADE THROUGH A CROSS ZONE PUMPING STATION CAPABLE OF PRODUCING 3000 TO 5000 GRM AT 100 PSI STATIC, OR EQUIVALENT. IF THE CITY OF ALBUQUERQUE UNIT IS USED, THE CONTRACTOR BORE ALL COSTS ASSOCIATED WITH TRANSPORT, SET–UP MAINTENANCE, AND OPERATIONS. THESE ACTIVITIES WERE PERFORMED BY THE CITY'S WELL AND BOOSTER PUMP CONTRACTOR, ALPHA SOUTHWEST INC. – 205 ROSSMOOR RD. S.W. ALBUQUERQUE, NEW MEXICO 87105 PAYMENT WAS MADE UNDER ITEM 663899.

C1 CURVE DATA
Δ = 15°21'58"
R = 1476.890'
T = 199.238'
L = 396.085'

W m Jones P.E

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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26-4044.91 8/98

50 100
1" = 50' GRAPHIC SCALE

SCALE: 1"=50' HORIZ.
1"=5' VERT.

STA. 0+77.05 CONNECTED TO EXIST. LINE T/P ELEV. = 50.08±
NEW 20" D.I.P WATERLINE
STA. 2+50.00 T/P ELEV. = 43.37
STA. 2+96.37
1–11 1/4° VERT. BEND TP ELEV. = 45.48 Lr= 9'
STA. 3+73.57
1–11 1/4° VERT. BEND TP ELEV. = 29.94 Lr= 4'
EXISTING GRADE @ ℄ OF WATERLINE
FINISHED GRADE @ ℄ OF WATERLINE
4' MIN. COVER
STA. 3+91.56 TP ELEV. = 29.30
STA. 4+35.11 TP ELEV. = 31.39
STA. 4+09.56 TP ELEV. = 29.61
6" PVC WATER DRAIN, CONNECTED TO S.D. SEE DETAIL THIS SHEET
MH B–1 36" S.D. STA. 96+23.50 – 28.75' RT. ℄ SUNPORT BLVD.
STA. 5+86.97 TP ELEV. = 39.22
STA. 7+00.00 TP ELEV. = 44.84
STA. 7+38.21 8" SAS
STA. 7+83.17 18" SD
STA. 7+94.49 TP ELEV. = 49.20
STA. 9+40.00 TP ELEV. = 62.86
EXISTING GRADE @ ℄ OF WATERLINE
FINISHED GRADE @ ℄ OF WATERLINE
4' MIN. COVER
NEW 20" D.I.P WATERLINE
MATCHLINE STA. 11+00.00 SEE SHEET 4–5

5260 5255 5250 5245 5240 5235 5230 5225 5220
5244.9 5246.6 5247.1 5248.2 5247.9 5250.0 5249.9 5250.0 5251.0 5254.2 5256.5 5259.5 5262.3 5264.1 5266.4 5269.2 5270.4 5271.7 5273.1 5273.5 5274.9 5275.7
1+00 2+00 3+00 4+00 5+00 6+00 7+00 8+00 9+00 10+00 11+00

REVWTPP1 1=50 9/14/96

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AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY DATE
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
RECORDED BY DATE

BENCH MARKS
STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL=5310.21

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

MICRO–FILM INFORMATION
RECORDED BY DATE
NO.

NO.	DATE	REVISIONS	BY
1	9–96	20" WATERLINE REALINGED	O.V.

DESIGNED BY OV DATE 5/14/96
DRAWN BY DKS DATE 5/14/96
CHECKED BY TDS DATE 5/14/96

MOLZEN–CORBIN & Associates

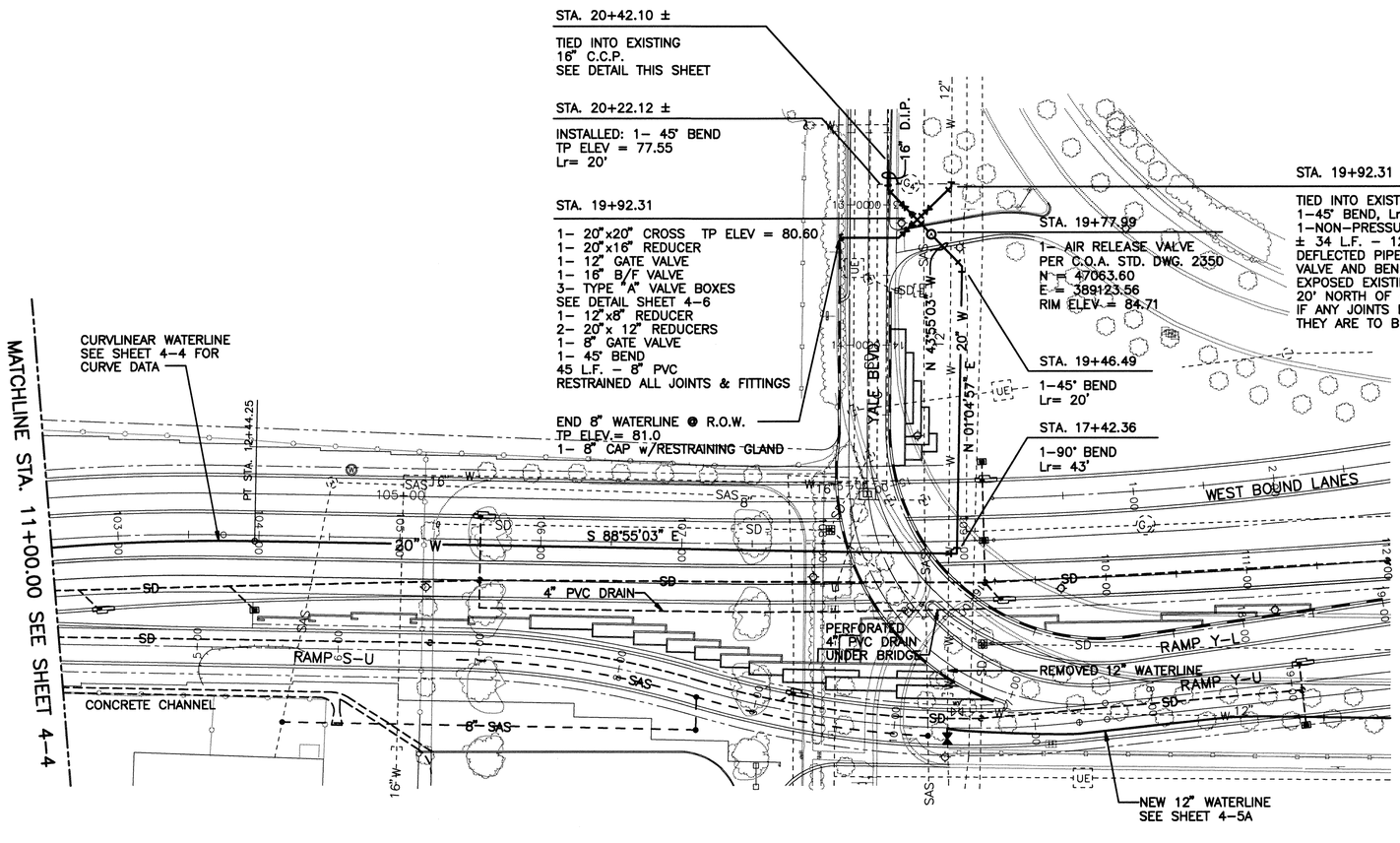
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

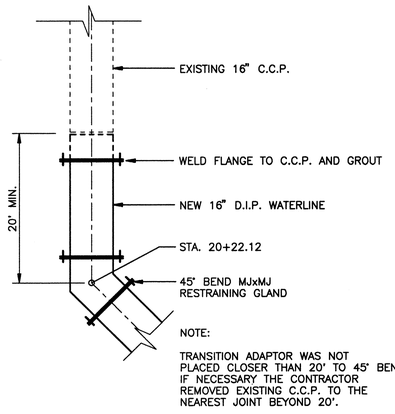
TITLE: SUNPORT BOULEVARD – PHASE II

20" WATERLINE PLAN & PROFILE STA. 1+00.00 TO STA. 11+00.00

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

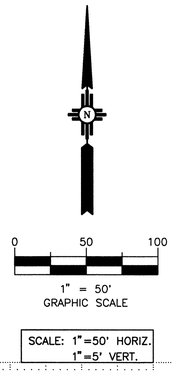
City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	4–4	





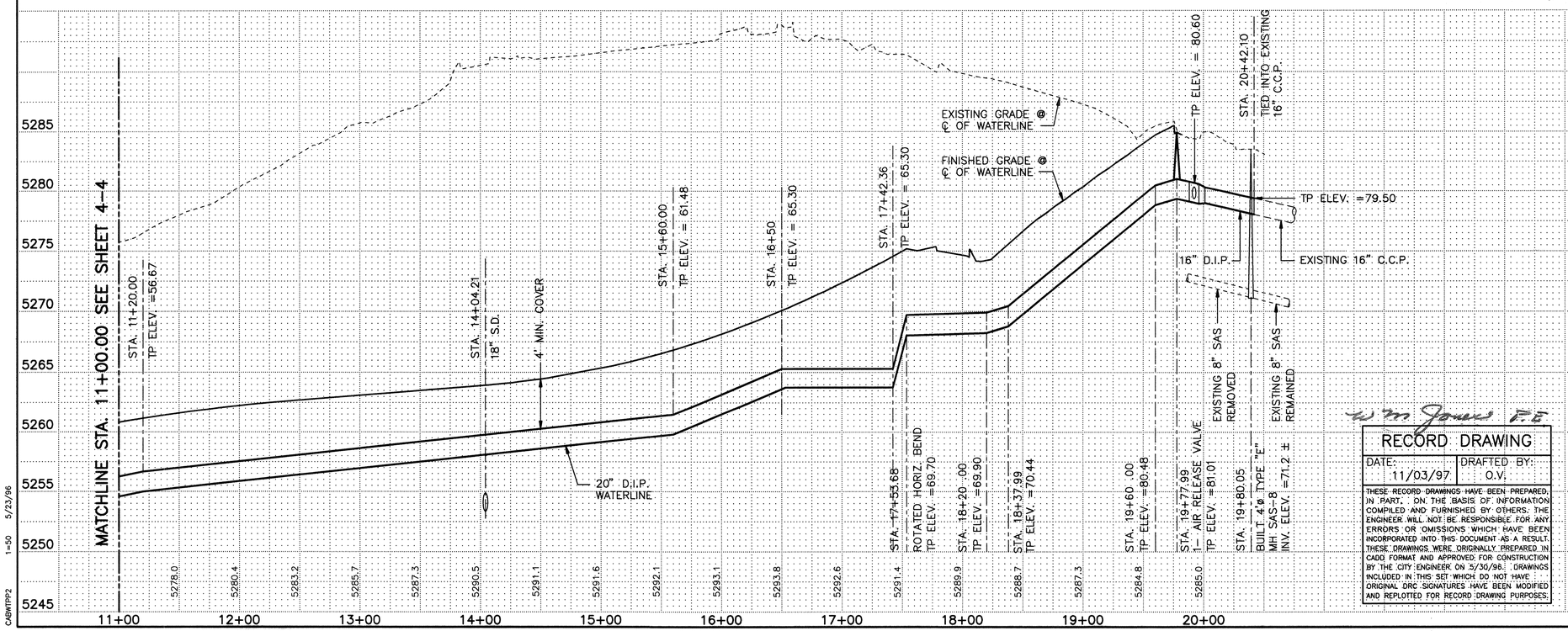
CONNECTION TO EXISTING 16" C.C.P.

SCALE: NONE



SCALE: 1"=50' HORIZ. 1"=5' VERT.

2G-90999.91 8/2/98



1=50 5/23/96

CABWTPP2

RECORD DRAWING

Wm Jones P.E.

DATE:	DRAFTED BY:
11/03/97	O.V.

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AS BUILT INFORMATION

CONTRACTOR	
STAKED BY	DATE
INSPECTOR'S AS-BUILTS	DATE
FIELD VERIFICATION BY	DATE
AS-BUILTS BY	DATE
CORRECTED BY	DATE

MICRO–FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DATE 5/15/96	OV
		DATE 5/15/96	DKS
		DATE 5/15/96	TDS

DESIGNED BY OV
DRAWN BY DKS
CHECKED BY TDS

MOLZEN–CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

20" WATERLINE PLAN & PROFILE STA. 11+00.00 TO STA. 20+42.10

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	4–5	

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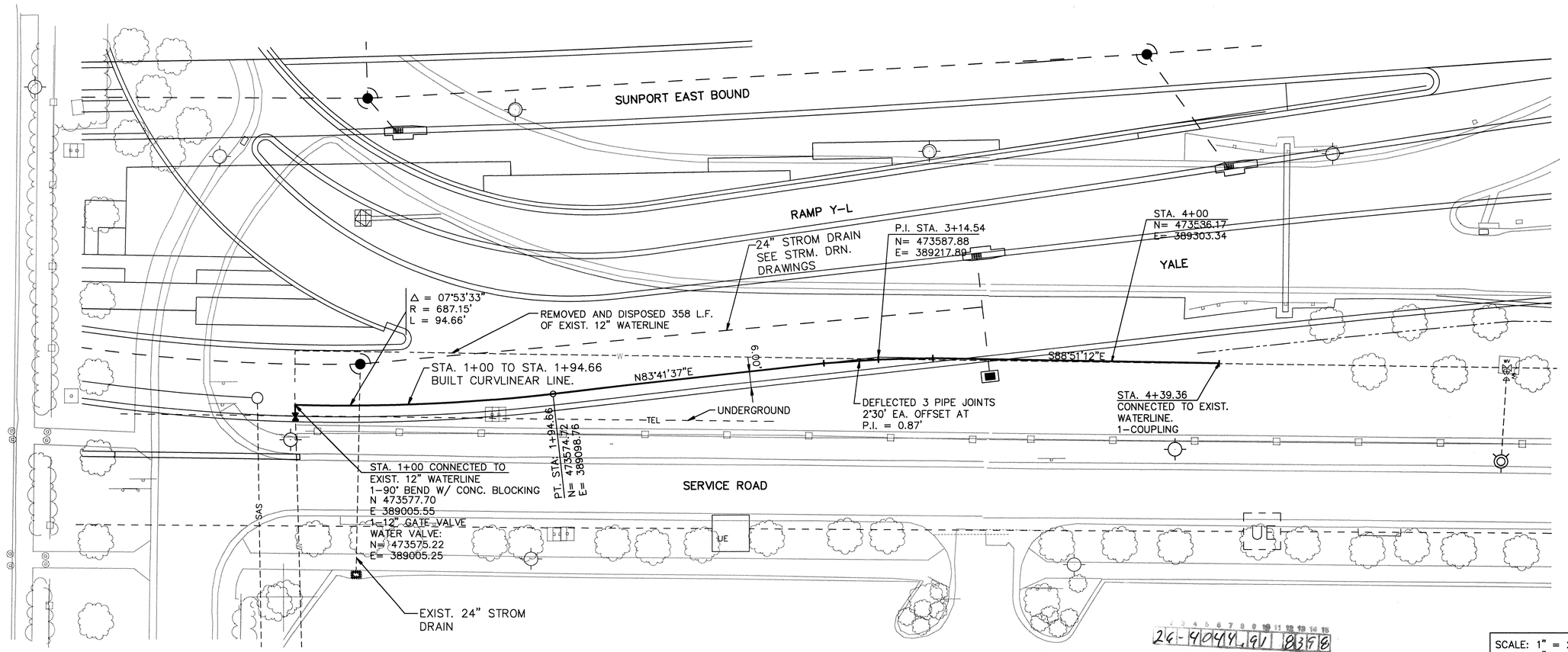

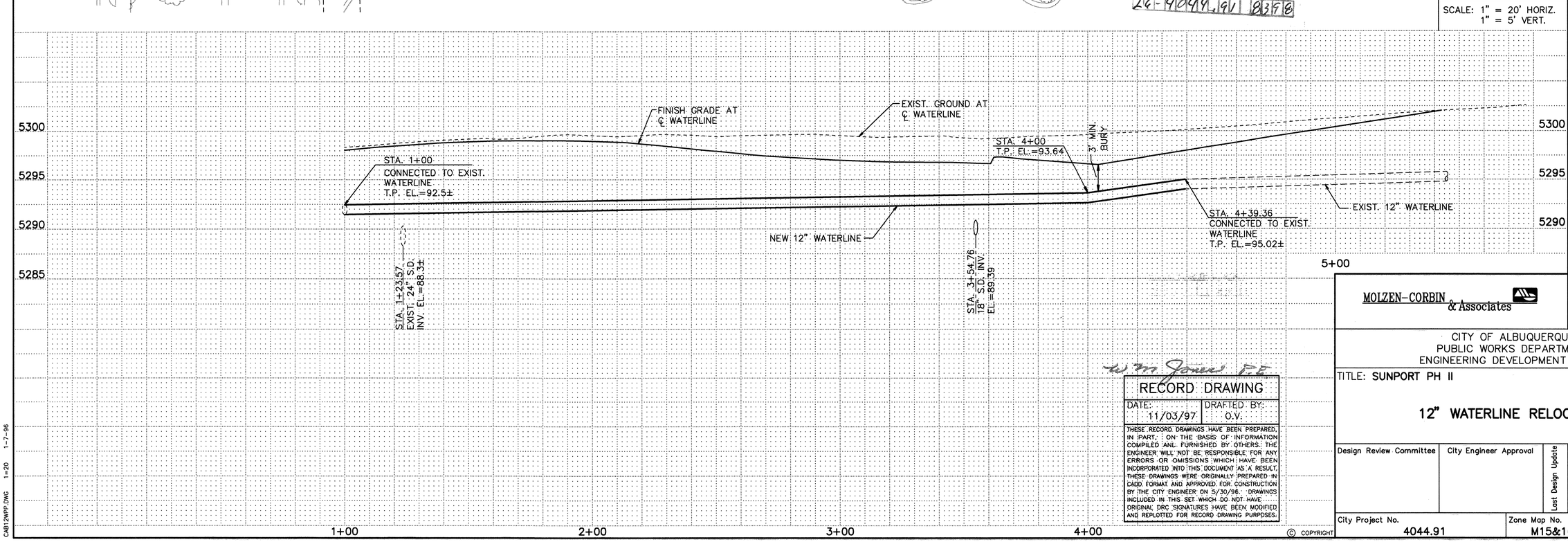

26-410944.91 8378

AS BUILT INFORMATION

CONTRACTOR WORK STAKED BY DATE
INSPECTION BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE

MICRO-FILM INFORMATION

RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY O.V.	DATE 5/10/96
		DRAWN BY O.V.	DATE 5/10/96
		CHECKED BY K.F.	DATE 5/10/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT PH II

12" WATERLINE RELOCATION

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	4-5A	

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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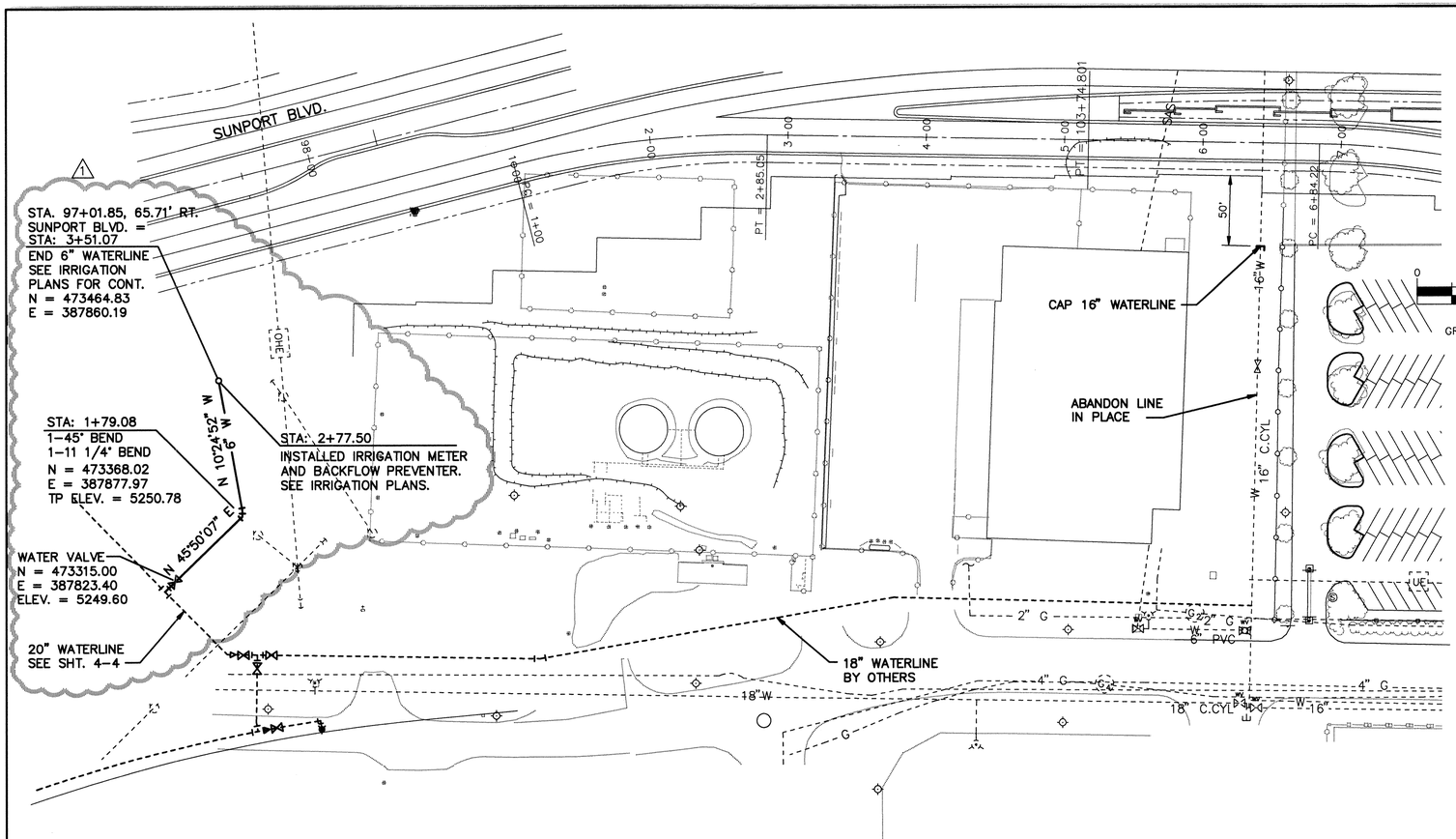
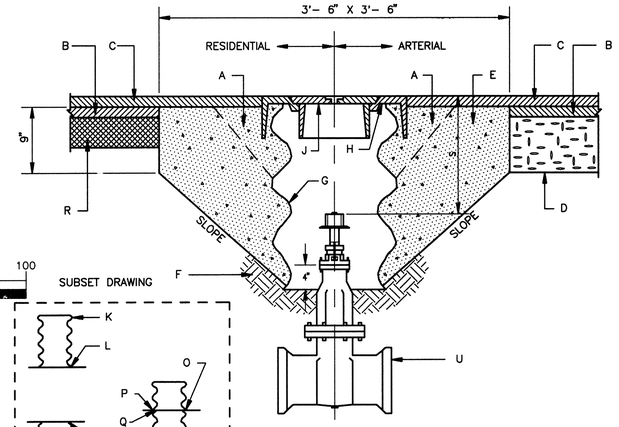
CAB12WPP.DWG 1=20 1-7-96





VALVE BOX EXTENSION

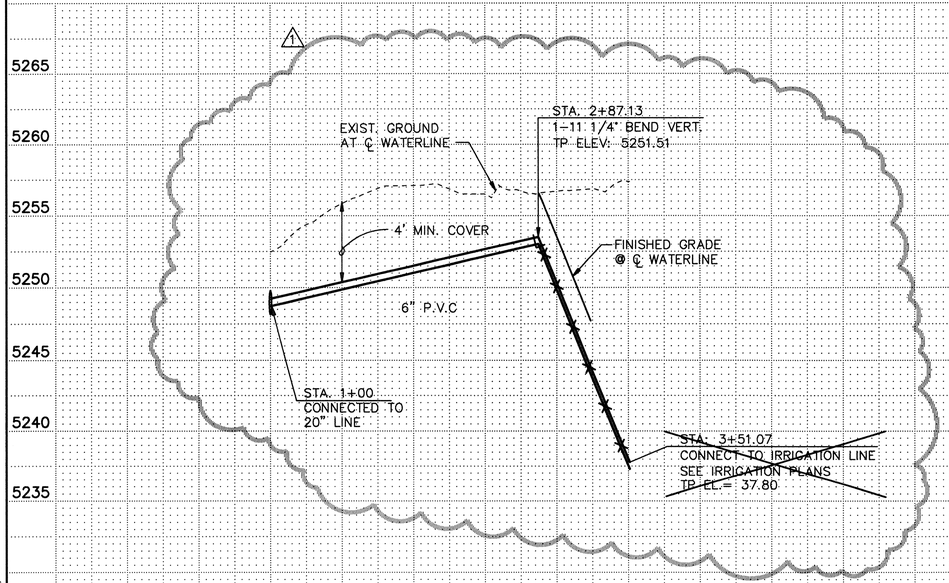
CONSTRUCTION NOTES:

A. AREA REMOVED FOR FUTURE RAISING TO GRADE WHEN OVERLAYED (SEE SUBSET DWG. BELOW, ALSO DWG. 2460.
B. ASPHALTIC CONC. BASE COURSE.
C. SURFACE COURSE.
D. CEMENT TREATED BASE COURSE.
E. PORTLAND CEMENT CONC. (ROUGH SURFACE FINISH).
F. COMPACTED EARTH FILL (90% TO 95% OF MAX. DENSITY AS DETERMINED BY A.S.T.M. D 1557.
G. SPECIAL 12" DIA. CORRUGATED GALV. CULVERT. PIPE 14 GA., DIPPED IN COAL TAR ENAMEL, OR COATED WITH POLYMERIC COATING (WHEELING PLASTILOTE, MANUFACTURED BY WHEELING CORRUGATING CO. OR APPROVED EQUAL). 3 MILS THICK MIN. MEETING REQUIREMENTS SET BY A.A.S.H.T.O. M 246.
H. RING.
J. COVER.
K. ADJUSTING CAN.
L. CUT ON OUTSET.
M. CUT ON INSET.
N. ORIGINAL CAN.
O. PLACE ADJ. CAN ON ORIGINAL CAN.
P. OUTSET CUT.
Q. INSET CUT.
R. COMPACTED SUBBASE.
S. 18" MAX. USE STEM EXTENSIONS AS NECESSARY.
T. FOR VALVE STEM EXTENSION SEE DWG. 2331.
U. NEW OR EXISTING VALVE.

WATER VALVE BOX TYPE "A"

SCALE: NONE

SCALE: 1"=50' HORIZ.
1"=10' VERT.



1=50 5/23/96
CABRPP

2C-4044.91 8998

Wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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AS BUILT INFORMATION

	DATE
CONTRACTOR	
WORK STAKED BY	
INSPECTOR'S NOTES/WORK BY	
FIELD VERIFICATION BY	
AS-BUILTS CORRECTED BY	

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

MICRO-FILM INFORMATION

RECORDED BY _____ DATE _____
NO. _____

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

NO.	DATE	BY	REMARKS
1	9-96	O.V.	REALIGNED 6" WATERLINE

REVISIONS

	DATE
DESIGNED BY O.V.	5/16/96
DRAWN BY DKS	5/16/96
CHECKED BY TDS	5/16/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

6" WATERLINE PLAN & PROFILE
STA. 1+00.00 TO STA. 3+51.07

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	4-6	

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SCALE : 1"=400'

WATER SHUT-OFF REQUIREMENTS:

CONTRACTOR WAS RESPONSIBLE FOR THE TIMING AND COORDINATION OF THE WATER SHUT-OFF REQUIERMENTS IN CONJUNCTION WITH THE COMPLETION OF THE PROJECT.

AT LEAST THREE(3) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR CONTACTED PWD/ WATER SYSTEMS DIVISION (857-8200) TO INITIATE IMPLEMENTATION OF THIS WATER SHUT-OFF PLAN. CONTRACTOR DID NOT OPERATE CITY VALVES.

VALVE CLOSURES:

1. REMOVAL OF 16" WATER LINE WITHIN SUNPORT BLVD. CORRIDOR & CONSTRUCTION OF 20" WATER LINE; CONNECTED 20" LINE TO EXIST. 16" LINE AT YALE: 1043, 944, 943, 595.

2. CONNECTION "A", 20" WATER LINE TO 18" WATER LINE. 1045 AND VALVE INSTALLED IN PHASE I OF SUNPORT BLVD. PROJECT. NUMBER NOT AVAILABLE.

3. CONNECTION "B", CROSS CONECTION FROM EXIST. 12" WATER LINE TO 20" WATER LINE. 944, 1049, 1094. CUT & CAP 12", REMOVED 12" LINE TO NORTH.

4. 6" IRRIGATION WATER LINE: 1042

NOTE:
SEQUENCE OF CONSTRUCTION AND VALVE CLOURES WAS AS SHOWN:

ENGINEER'S SEAL

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

AS BUILT INFORMATION

CONTRACTOR
STAKED BY — DATE
INSPECTOR'S
ADDITIONS BY — DATE
FIELD VERIFICATION BY — DATE
DRAWING CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

NO.	DATE	REMARKS
		REVISIONS
		DESIGN

BY

DESIGNED BY O.V. — DATE 5/25/96
DRAWN BY STAFF — DATE 5/25/96
CHECKED BY T.D.S. — DATE 5/25/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

WATER SHUT-OFF PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 4044.91 | Zone Map No. M14&15 | Sheet 4 Of 7

2C-4044.91 | 85 98

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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96/25/5 1=400 SHEET

ESTIMATED UTILITY QUANTITIES
(WATER & SEWER LINE RELOCATIONS)

STATION		STATION	DESCRIPTION/LOCATION	663506 18" D.I.P WATERLINE TO 6' DEPTH L.F.	663508 20" D.I.P WATERLINE TO 6' DEPTH L.F.	663501 TIE TO EXISTING 16" W.L. N.P. CONNECTION EACH	663612 12" PVC WATERLINE TO 6' DEPTH L.F.	663608 8" PVC WATERLINE TO 6' DEPTH L.F.	663419 12" GATE VALVE EACH	663428 18" BUTTERFLY VALVE EACH	663456 VALVE BOX W/COVER TYPE A PER C.O.A. STND. DWG. NO. 2325 EACH	663606 6" PVC WATERLINE TO 8' DEPTH L.F.	663951 AIR RELEASE VALVE PER C.O.A. STND. DWG NO. 2350 EACH	663361 TIE TO EXISTING 18" WATERLINE NON-PRESSURE CONNECTION EACH	663898 8" GATE VALVE EACH	663897 6" GATE VALVE EACH	663895 16" BUTTERFLY VALVE EACH	663550 DUCTILE IRON FITTINGS LB.	663898 CONNECT 6" PVC TO 36" STORM DRAIN PER DETAIL SHEET 4-4 EACH	664408 8" SANITARY SEWER L.F.	660010 TRENCH & BACKFILL FOR 6'-16', 0-8' DEPTH L.F.	660011 TRENCH & BACKFILL FOR 6'-16', OVER 8'-14' D L.F.	662062 MANHOLE TYPE "E" 4'ø 0'-10' DEPTH EACH	662064 MANHOLE TYPE "E" 4'ø 10'-14' DEPTH EACH	662000 M.H. TYPE "C" - 4'ø 0'-6' DEPTH EACH	663358 TIE TO EXISTING 12" W.L. N.P. CONNECTION V.F.	662992 LINING 4' DIA. MANHOLE > 6' DEPTH V.F.	663899 CROSS ZONE PUMPING STA. L.S.	663812 16" DIP WATERLINE TO 6' DEPTH L.F.
2+00		15+73	SAS LINE 1																	1373	618	755	1	3			23			
1+00		4+17	SAS LINE 2																	317	80	237	1		1					
1+00		20+42	20" WATERLINE	20	1892	1	34	45	1	3	6	50	2	1	1	1	1	7950	1							1		1	50
1+00		9+52	6" WATERLINE									853				1		910												
			TOTAL	20	1892	1	34	45	1	3	6	903	2	1	1	2	1	8860	1	1690	698	992	2	3	1	1	23	1	50
			USE																											

LENGTHS OF PIPE AND QUANTITIES LISTED ABOVE ARE SUBJECT TO CHANGE, DEPENDING ON THE TYPE OF PIPE CHOSEN AND SPECIFIED ON THE BID PROPOSAL BY THE CONTRACTOR. QUANTITIES ARE FOR ESTIMATING PURPOSES ONLY. PAYMENT SHALL BE MADE ON ACTUAL QUANTITIES CONSTRUCTED.

THE COST FOR TEES, BENDS, CAPS, AND PLUGS SHALL BE INCLUDED IN THE UNIT PRICE OF PIPE. THEREFORE, NO SEPARATE PAYMENT WILL BE MADE FOR SUCH ITEMS.

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
INSPECTOR'S NOTATIONS BY — DATE
FIELD VERIFICATION BY — DATE
AS BUILTING CORRECTED BY — DATE

BENCH MARKS
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N.M. CENTRAL ZONE: X=3890997.37, Y=1472805.36
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY MJ	DATE 6/27/96
		DRAWN BY STAFF	DATE 6/27/96
		CHECKED BY TS	DATE 6/27/96

MOLZEN-CORBIN & Associates

2C-4044.91 8698

wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **SUNPORT BOULEVARD – PHASE II**

ESTIMATED UTILITY QUANTITIES

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	4–8	

ESTWSLQ.DWG 1=1 6/27/96

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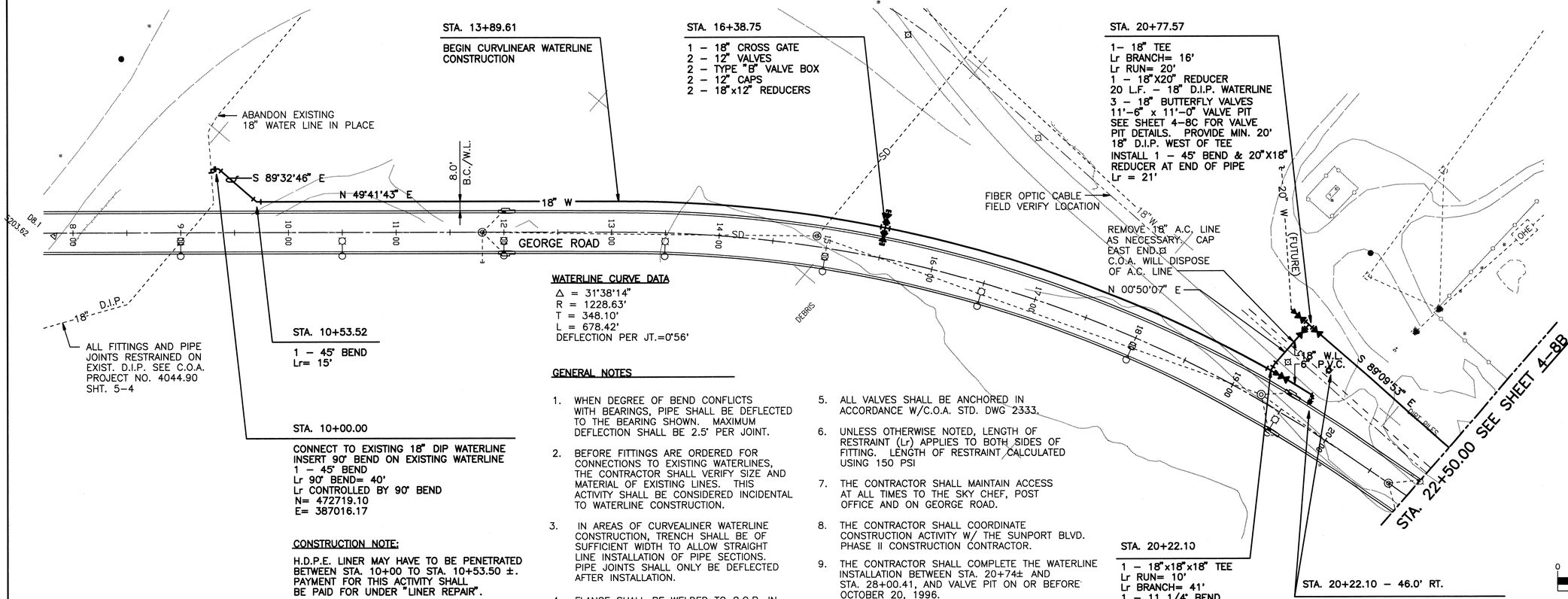

AS BUILT INFORMATION

CONTRACTOR
WORK STARTED
STAKED BY — DATE
ACCEPTANCE
ACCEPTANCE'S BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO–FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	DATE 09/12/96
		DESIGNED BY O.V.	DATE 09/12/96
		DRAWN BY STAFF	DATE 09/12/96
		CHECKED BY TDS	

MOLZEN–CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

18" WATERLINE PLAN & PROFILE STA. 10+00.00 TO STA. 22+50.00

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 4044.90 | Zone Map No. M15&16 | Sheet 4–8A Of

CA818WT1 09/12/96 1=50

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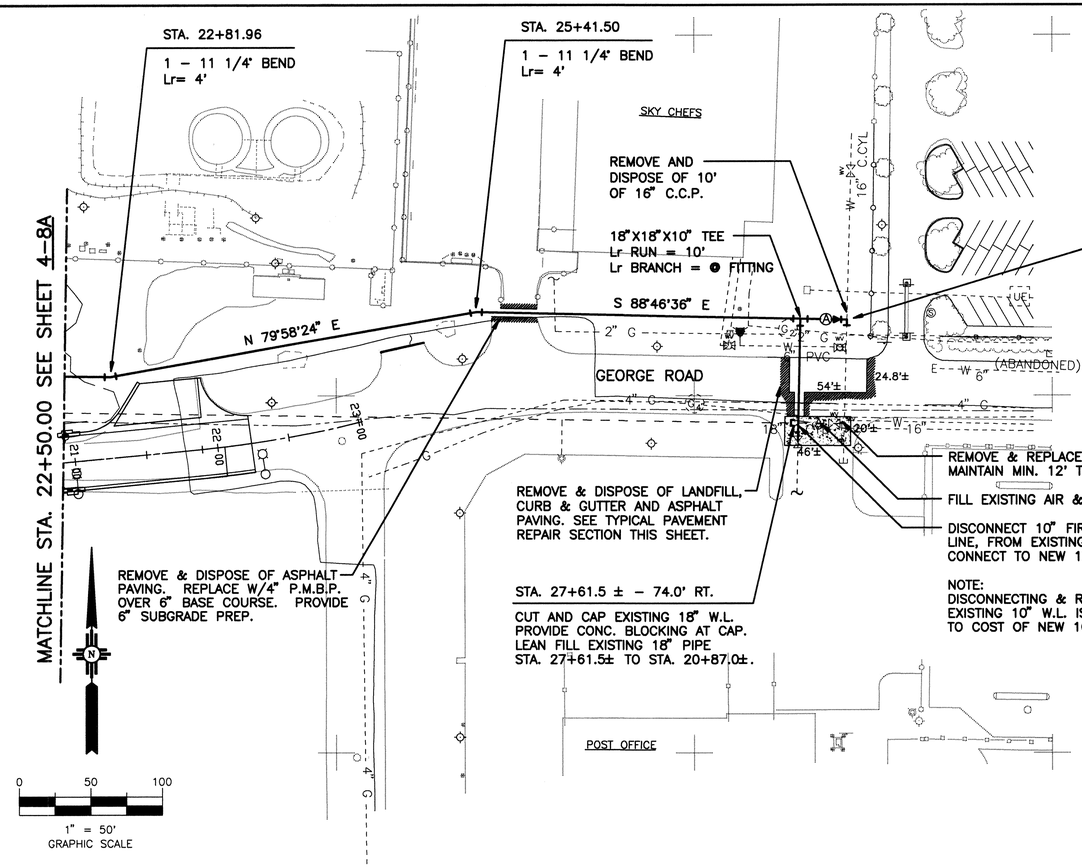
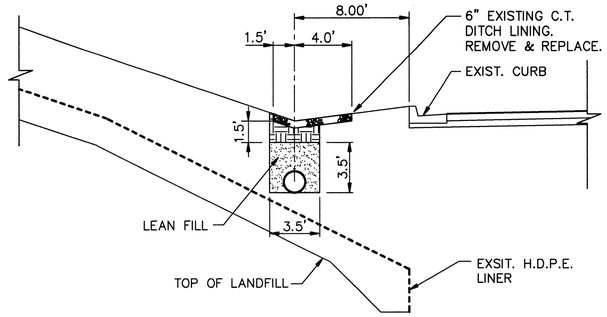
CHANGE ORDER NO. 15



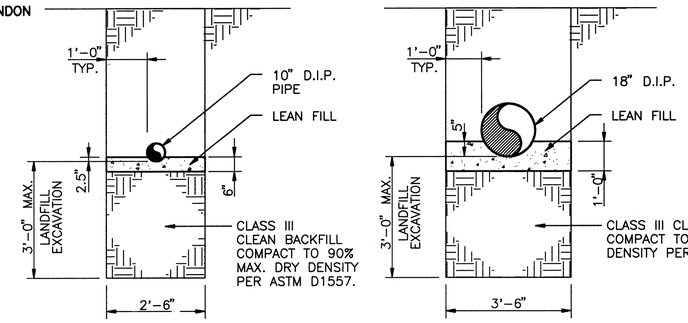
NOTE:

THE CONTRACTOR SHALL EXCAVATE WITH CAUTION ALONG GEORGE ROAD SO AS NOT TO DAMAGE EXISTING H.D.P.E. LINER. SHOULD DAMAGE TO THE LINER OCCUR IT SHALL BE REPAIRED PER MANUFACTURE'S REQUIRMENTS AT NO ADDITIONAL COST TO THE OWNER UNLESS IT IS A REQUIRED LINER PENETRATION.



TYPICAL TRENCH SECTION ALONG GEORGE ROAD

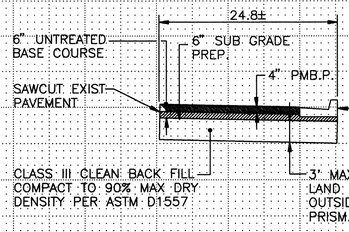
SCALE: 1" = 5'



TYPICAL TRENCH SECTION THRU LANDFILL

N.T.S.

SCALE: 1"=50' HORIZ.
1"=5' VERT.



TYPICAL SECTION AT GEORGE RD PAVEMENT REPAIR

SCALE: 1" = 5'

NOTES:

1. THE CONTRACTOR SHALL MAINTAIN POTABLE WATER SERVICE TO SKY CHEF AND POST OFFICE AT ALL TIMES.
2. CONTRACTOR TO MINIMIZE TIME FIRE PROTECTION LINES ARE OUT OF SERVICE.

2c 4044.91 8898

RECORD DRAWING
DATE: 11/03/97 | DRAFTED BY: O.V.
THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT. THESE DRAWINGS WERE ORIGINALLY PREPARED IN CADD FORMAT AND APPROVED FOR CONSTRUCTION BY THE CITY ENGINEER ON 5/30/96. DRAWINGS INCLUDED IN THIS SET WHICH DO NOT HAVE ORIGINAL ORC SIGNATURES HAVE BEEN MODIFIED AND REPLOTTED FOR RECORD DRAWING PURPOSES.

AS BUILT INFORMATION
CONTRACTOR — DATE
STAKED BY — DATE
INSPECTOR'S NOTES/WORKS BY — DATE
FIELD VERIFICATION BY — DATE
DRAWING CORRECTED BY — DATE

BENCH MARKS
STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
REVISIONS			
		DESIGN	
		DESIGNED BY O.V.	DATE 09/12/96
		DRAWN BY STAFF	DATE 09/12/96
		CHECKED BY TDS	DATE 09/12/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

18" WATERLINE
PLAN & PROFILE
STA. 22+50.00 TO STA. 28+00.41

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.90	M15&16	4–8B	

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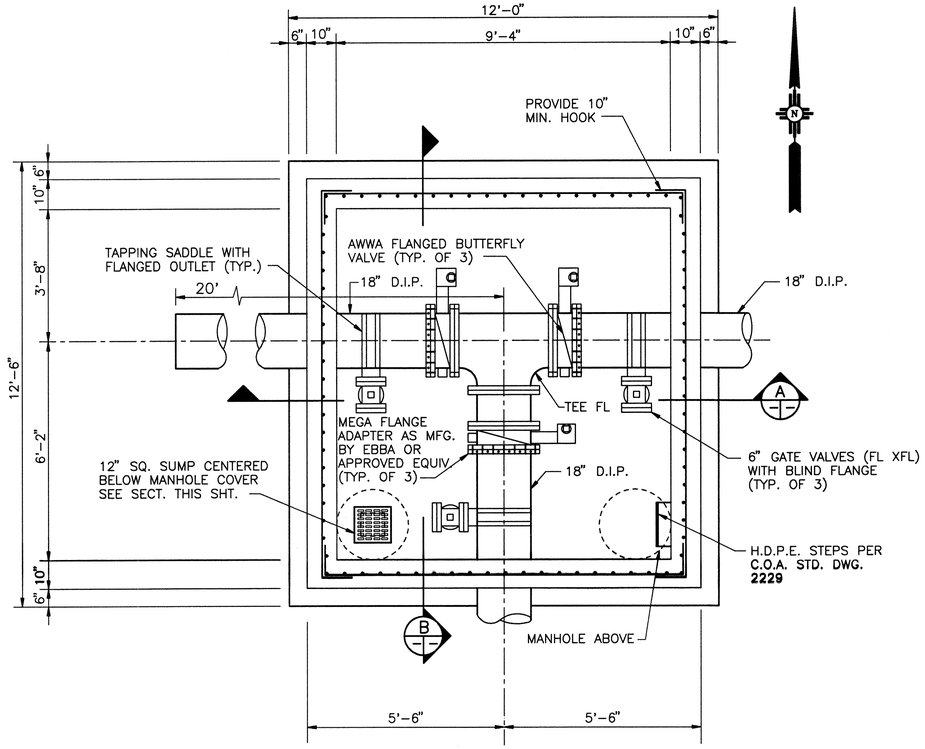
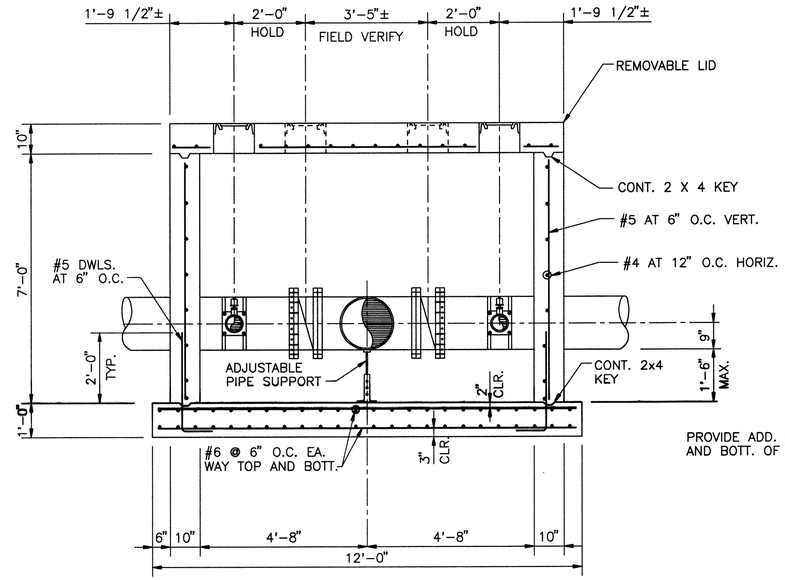
CHANGE ORDER NO. 15

09/12/96
1-50
C4818ET2



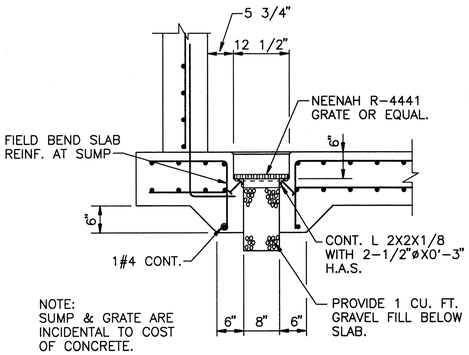
PLAN

SCALE: 1/2"=1'-0"



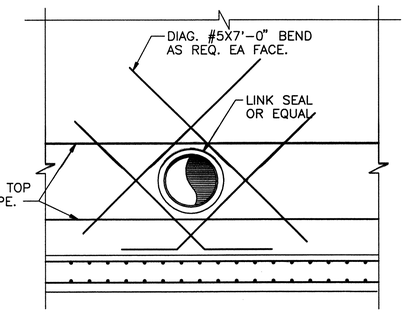
SECTION A

SCALE: 1/2"=1'-0"



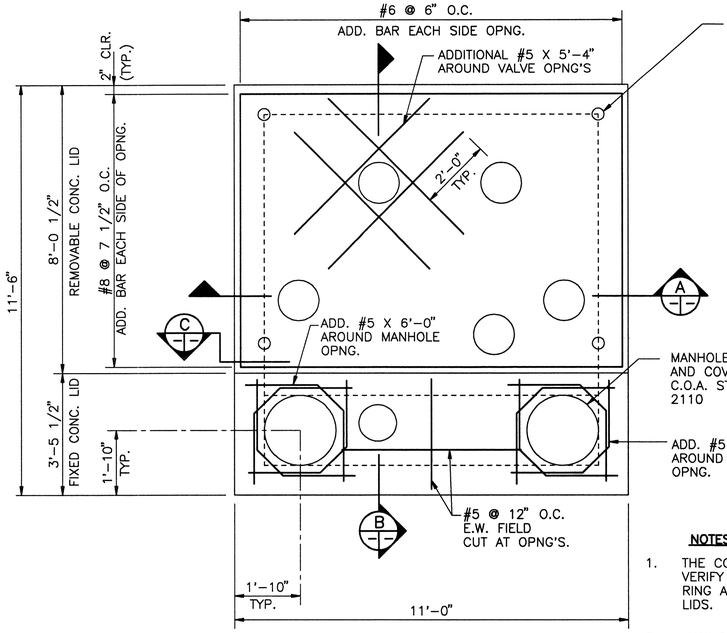
SUMP SECTION

SCALE: 3/4"=1'-0"



TYP. WALL PENETRATION DETAIL

SCALE: 1/2"=1'-0"



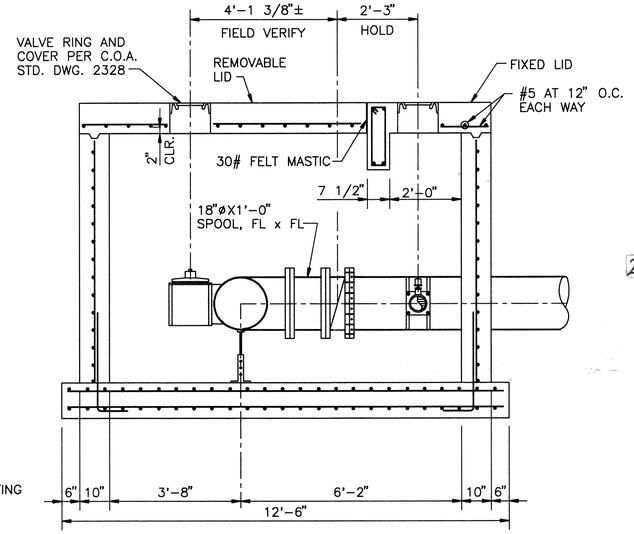
REMOVABLE LID PLAN

SCALE: 1/2"=1'-0"

COIL INSERT W/5000# CAPACITY PROVIDE GREASED BOLT. COVER W/ ASPHALT. PROVIDE SINGLE SWIVEL LIFT PLATE & WIRE TIE TO BOTTOM MANHOLE STEPS (TYP OF 4) COST OF LIFTING DEVICE IS INCIDENTAL TO STRUCTURAL CONCRETE CLASS A.

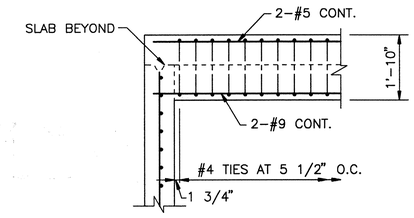
NOTES:

1. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF VALVE RING AND COVERS BEFORE CASTING LIDS.
2. MANHOLE RINGS & COVERS, VALVE RINGS & COVERS SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION OF THE VALVE PIT.



SECTION B

SCALE: 1/2"=1'-0"



SECTION C – BEAM SUPPORT

SCALE: 1/2"=1'-0"

2C-4044.91 8598

wm Jones P.E.

RECORD DRAWING	
DATE: 11/03/97	DRAFTED BY: O.V.

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AS BUILT INFORMATION

CONTRACTOR — DATE
STAKED BY — DATE
INSPECTOR'S — DATE
FIELD CHANGES BY — DATE
VERIFICATION BY — DATE
PLANS CORRECTED BY — DATE

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY O.V.	DATE 9/05/96
		DRAWN BY STAFF	DATE 9/05/96
		CHECKED BY T.D.S.	DATE 9/05/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

VALVE PIT
STA. 20+77.57

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.90	M15&16	4-8C	

CHANGE ORDER NO. 15

PIT.DWG 1/2"=1'-0" 09-05-96

0 50 100
1" = 50'
GRAPHIC SCALE

STA. 96+21.82 – 56.37' RT.
BUILT SINGLE TYPE "A" DROP INLET
D.I. B-1
TC EL.= 5237.90
INV.= 5233.78

STA. 96+23.50 – 28.75' RT.=
STA. 11+21.82 LINE "B"
MH B-1
RIM EL.= 38.02
X= 387761.83
Y= 473553.67

STA. 99+50.00 – 17' LT.
BUILT SINGLE MODIFIED TYPE "A" DROP INLET
D.I. B-4
TC EL.= 5253.45
INV.= 5246.08

STA. 99+50.00 – 64.80' LT.
BUILT SINGLE MEDIAN DROP INLET
D.I. B-3
GRATE EL.= 5250.50
INV.= 5246.92

STA. 101+56.10 – 25± RT.=
STA. 16+51.61 LINE "B"
MH B-3
RIM EL.= 58.65
X= 388276.23
Y= 473679.17

STA. 102+85.00 – 52.44' RT.
BUILT SINGLE TYPE "A" DROP INLET
D.I. B-5
TC EL.= 5260.47
INV.= 5252.19

STA. 102+67.70 – 34.30' RT.=
STA. 17+67.70 LINE "B"
MH B-3A
RIM EL.= 5260.47
X= 388385.72
Y= 473680.96

STA. 103+97.44 – 53.21' RT.
BUILT SINGLE MEDIAN DROP INLET
D.I. B-6
GRATE EL.= 5261.61
INV.= 5256.08

STA. 105+57.00 – 43' LT.
BUILT SINGLE TYPE "A" D.I.
D.I. B-7
TC EL.= 5264.43
INV.= 5256.37

STA. 105+56 – 29.6' RT.=
STA. 20+48.53 LINE "B"
MH B-4
RIM EL.= 63.75
X= 388671.44
Y= 473684.24

STA. 95+00 – 29' RT.=
STA. 10+00 LINE "B"
TIED INTO EXISTING
36" ø RCP

47.80' @ 1.46%
18" RCP
CLASS III

51.91' @ 2.00%
18" RCP
CLASS III

22.37' @ 25.53%
18" RCP
CLASS III

20.91' @ 1.00%
18" RCP
CLASS III

111.00' @ 2.13%
18" RCP
CLASS III

70.0' @ 8.25%
18" RCP
CLASS III

SUNPORT BLVD.
LINE "B"
RAMP "S"
8" SAS
20' W
R.O.W.

CONCRETE CHANNEL SEE PLAN & PROFILE SHEETS 5-4 AND 5-5

STORM DRAIN LINE "B4" SEE PLAN & PROFILE SHEET 5-4

STORM DRAIN LINE "B3" SEE PLAN & PROFILE SHEET 5-3

STA. 99+23.00 – 31.7' RT.=
STA. 14+20.00 LINE "A"
MH B-2
RIM EL.= 51.73
X= 388052.76
Y= 473624.72

MATCHLINE STA. 23+00.00 SEE SHT. 5-2

SCALE: 1"=50' HORIZ.
1"=10' VERT.

	118.83' @ 4.5%	292.17' @ 6.78%	225.61' @ 2.62%	108.21' @ 0.49%	280.71' @ 0.38%	354.51' @ 4.70%
	36" RCP, CLASS III Bd = 7.0'	36" RCP, CLASS III Bd = 7.0'	36" RCP, CLASS III Bd = 7.0'	36" RCP, CLASS III Bd = 7.0'	36" RCP, CLASS III Bd = 7.0'	24" RCP, CLASS III Bd = 5.0'
	Q_{100} = 97.39 CFS V_{100} = 21.58 FT/S Y_N = 1.83 FT	Q_{100} = 71.55 CFS V_{100} = 23.81 FT/S Y_N = 1.32 FT	Q_{100} = 65.87 CFS V_{100} = 14.90 FT/S Y_N = 1.80 FT	Q_{100} = 44.98 CFS V_{100} = 7.30 FT/S Y_N = 2.44 FT	Q_{100} = 43.88 CFS V_{100} = 6.53 FT/S Y_N = 2.71 FT	Q_{100} = 42.65 CFS V_{100} = 17.48 FT/S Y_N = 1.44 FT
HGL=	5220.04	5225.11	5246.60	5252.34	5253.34	5253.29

EXISTING GRADE @ ℄ OF PIPE

FINISHED GRADE @ ℄ OF PIPE

MATCHLINE STA. 23+00.00 SEE SHT. 5-2

	STA. 10+00.00	STA. 10+75.00	STA. 11+23.50	STA. 14+23.00	STA. 16+52.71	STA. 17+70	STA. 20+47.53
	TIED INTO EXIST. RCP @ INV.= 18.21	20' WATERLINE	BUILT 6' ø TYPE "E" M.H. M.H. B-1 INV. E= 23.89 INV. W= 27.69 INV. S= 24.08	BUILT 15" ø TYPE "E" M.H. M.H. B-2 INV. E= 43.90 INV. W= 43.70 INV. NE= 44.30 ℄ INV. = 43.69	BUILT 6' ø TYPE "E" M.H. M.H. B-3 INV. E= 50.00 INV. SE= 50.37 INV. W= 49.80	BUILT 6' ø TYPE "E" M.H. M.H. B-3A INV. E= 50.73 INV. SE= 51.63 INV. W= 50.53 ℄ INV. = 50.77	BUILT 4' ø TYPE "E" M.H. M.H. B-4 INV. E= 55.00 INV. W= 55.89 INV. N= 55.96

NOTE:
CLASS OF STORM DRAIN IS BASED ON CLASS "B" BEDDING CONDITION AND WIDTH OF TRENCH (Bd) INDICATED. PIPES SHOWN w/o TRENCH WIDTH ARE CONSIDERED POSITIVE PROJECTING EMBANKMENT CONDITION.

LENGTHS SHOWN ON PLAN AND PROFILE ARE ACTUAL LENGTHS OF PIPE. SLOPES WERE COMPUTED USING THESE LENGTHS.

RECORD DRAWING
DATE: 11/03/97 | DRAFTED BY: O.V.
THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT. THESE DRAWINGS WERE ORIGINALLY PREPARED IN CADD FORMAT AND APPROVED FOR CONSTRUCTION BY THE CITY ENGINEER ON 5/30/96. DRAWINGS INCLUDED IN THIS SET WHICH DO NOT HAVE ORIGINAL ORC SIGNATURES HAVE BEEN MODIFIED AND REPLOTTED FOR RECORD DRAWING PURPOSES.

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY DATE
WORK ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE

BENCH MARKS
STATION "WEST", A BRASS TABLET STAMPED "WEST 1938", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY JRD	DATE 5/16/96
		DRAWN BY DKS	DATE 5/16/96
		CHECKED BY TDS	DATE 5/16/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

PLAN & PROFILE STORM DRAIN LINE "B"
STA. 10+00 TO STA. 23+00.00

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 4044.91 | Zone Map No. M15&16 | Sheet 5–1 Of

STRMA-1 1-50 5/28/96

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MATCHLINE STA. 23+00.00 SEE SHT. 5-1

STA. 109+15 – 55' LT.
BUILT SINGLE MEDIAN DROP INLET
D.I. B-10
GRATE EL.= 5274.57
INV.= 5270.41

STA. 109+15 – 43' LT.
BUILT SINGLE TYPE "A" DROP INLET
D.I. B-9
TC EL.= 5276.07
INV.= 5269.94

STA. 109+15.00
BUILT SINGLE MEDIAN DROP INLET
D.I. B-8
GRATE EL.= 5275.56
INV.= 5269.07

STA. 109+10 – 26.9' RT.
STA. 24+07.04 LINE "B"
MH B-5
RIM EL.= 75.76
X= 389026.60
Y= 473685.92

STA. 109+25 – 14' RT.
BUILT SINGLE TYPE "A" D.I.
D.I. B-13
TC EL.= 5276.52
INV.= 5271.99

STA. 112+03.00 – 1.64' LT.=
STA. 26+92.87 LINE "B"
MH B-6
RIM EL.= 92.87
X= 389319.21
Y= 473700.17

STA. 112+25.00 – 43.68' RT.
BUILT SINGLE TYPE "C" DROP INLET
D.I. B-11
TC EL.= 5294.73
INV.= 5288.62

STA. 113+30.70 – 1.35' LT=
STA. 28+24.80 LINE "B"
M.H. B-7
RIM EL.= 96.81
X= 389446.64
Y= 473708.55

STA. 113+64 – 33.52' RT.
BUILT SINGLE TYPE "A" DROP INLET
D.I. B-12
TC EL.= 5297.05
INV.= 5292.10

STA. 115+53.40 – 1.11' LT.
STA. 30+46.55 ± LINE "B"
TIE NEW SD TO EXISTING M.H.
INV.= 87.21
RIM EL.= 00.00
X= 389668.86
Y= 473723.43

YALE BLVD.

12.0' @ 2.00% 18" RCP, CLASS III
43.0' @ 2.00% 18" RCP, CLASS III
21.98' @ 1.00% 18" RCP, CLASS III
14.94' @ 8.50% 18" RCP, CLASS III
49.50' @ 12.56% 18" RCP CLASS III
48.22' @ 11.20% 18" RCP CLASS III

RAMP Y-U

STORM DRAIN LINE "B3" SEE PLAN & PROFILE SHEETS

0 50 100
1" = 50' GRAPHIC SCALE

SCALE: 1"=50' HORIZ.
1"=10' VERT.

21C-190199 911 91188

354.51' @ 4.70% 24" RCP, CLASS III Bd = 5.0'
281.83' @ 4.20% 24" RCP, CLASS III Bd = 5.0'
127.93' @ 1.99% 24" RCP, CLASS IV Bd = 5.0'
221.73' @ 1.74% 24" RCP, CLASS IV Bd = 5.0'

Q_{100} = 42.65 CFS
V_{100} = 17.48 FT/S
Y_N = 1.44 FT
HGL= 5269.87

Q_{100} = 34.10 CFS
V_{100} = 16.13 FT/S
Y_N = 1.27 FT
HGL= 5282.21

Q_{100} = 32.26 CFS
V_{100} = 11.58 FT/S
Y_N = 1.66 FT
HGL= 5284.93

Q_{100} = 30.4 CFS
V_{100} = 10.82 FT/S
Y_N = 1.68 FT
HGL= 5289.21

EXISTING GRADE @ ℄ OF PIPE
FINISHED GRADE @ ℄ OF PIPE

STA. 24+05.04
BUILT 4' ϕ TYPE "E" M.H.
M.H. B-5
INV. E= 68.65
INV. W= 68.55
INV. N= 68.70
INV. SE= 70.75
℄ INV. = 68.66

STA. 25+23 ±
RELOCATED 20" WATERLINE

STA. 26+95.87
BUILT 4' ϕ TYPE "E" M.H.
M.H. B-6
INV. E= 80.60
INV. W= 80.50
INV. SE= 82.50
℄ INV. = 81.21

STA. 28+24.80
BUILT 4' ϕ TYPE "E" M.H.
M.H. B-7
INV. E= 83.35
INV. SE= 87.15
INV. W= 83.45
℄ INV. = 83.59

STA. 30+46.95
TIED INTO EXISTING M.H.
INV. W= 87.21

MATCHLINE STA. 23+00.00 SEE SHT. 5-1

23+00 24+00 25+00 26+00 27+00 28+00 29+00 30+00 31+00

5300 5290 5280 5270 5260 5250 5240

NOTE:

CLASS OF STORM DRAIN IS BASED ON CLASS "B" BEDDING CONDITION AND WIDTH OF TRENCH (Bd) INDICATED. PIPES SHOWN w/o TRENCH WIDTH ARE CONSIDERED POSITIVE PROJECTING EMBANKMENT CONDITION.

LENGTHS SHOWN ON PLAN AND PROFILE ARE ACTUAL LENGTHS OF PIPE. SLOPES ARE COMPUTED USING THESE LENGTHS.

RECORD DRAWING
DATE: 11/03/97
DRAFTED BY: O.V.

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AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
INSPECTED BY
ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY JRD — DATE 5/22/96	
		DRAWN BY DKS — DATE 5/22/96	
		CHECKED BY TRS — DATE 5/22/96	

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

PLAN & PROFILE STORM DRAIN LINE "B" STA. 23+00.00 TO E.O.P.

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	5-2	

STRMA-2 1=50 5/22/96

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STA. 101+56.10 – 25.4' RT. SUNPORT=
STA. 10+11.60 LINE "B3"
MH B-3

STORM DRAIN LINE "B" SEE PLAN AND PROFILE SHEETS 5-1 AND 5-2

SUNPORT BLVD.

LINE "B"

LINE "A"

LINE "B3"

RAMP S-U

RAMP Y-U

R.O.W.

16.07' @ 5.29%
18" RCP, CLASS III

8" SAS

STA. 3+34.30 – 6.2' LT. RAMP S-U=
STA. 10+54.37 LINE "B3"
MH B3-1
RIM EL= 57.25
X= 388306.56
Y= 473646.95

STA. 3+34.50 – 14' RT. RAMP S-U
BUILT SINGLE TYPE "A" DROP INLET
D.I. B3-1
TC EL= 5257.71
INV.= 5249.38

STA. 6+67.80 – 5.8' LT.
RAMP S-U= +87.87
STA. 13+85.07 LINE "B3"
MH B3-2
RIM EL= 75.02
X= 388639.93
Y= 473640.24

STA. 9+14.90 – 5.9' LT. RAMP S-U=
STA. 16+36.09 LINE "B3"
MH B3-3
RIM EL= 92.28
X= 388883.76
Y= 473599.03

STA. 9+25.00 – 14' LT. RAMP S-U
BUILT SINGLE TYPE "A" DROP INLET
D.I. B3-2
TC EL= 5293.20
INV.= 5285.48

STA. 10+62.20 – 8.20' LT. RAMP S-U=
STA. 17+81.14 LINE "B3"
MH B3-4
RIM ELEV= 98.38
X= 389028.54
Y= 473586.74

STA. 19+07.00 – 14' LT. RAMP Y-U
BUILT SINGLE TYPE "C" DROP INLET
D.I. B3-3
TC EL= 5296.44
INV.= 5289.40

STA. 19+07.00 – 31.63' RT. RAMP Y-U
BUILT SINGLE MEDIAN DROP INLET
D.I. B3-5
GRATE EL= 5295.83
INV.= 5291.58

STA. 19+07.70 – 6.37' RT. RAMP Y-U=
STA. 20+10.87 LINE "B3"
MH B3-5
RIM ELEV= 96.49
X= 389256.69
Y= 473605.88

0 50 100
1" = 50'
GRAPHIC SCALE

SCALE: 1"=50' HORIZ.
1"=10" VERT.

21C-KHKHH.191 9/2/96

37.97' @ 0.74%
24" RCP, CLASS III
Q_{100} = 20.89 CFS
V_{100} = 6.90 FT/S
Y_N = 1.84 FT.
HGL= 5252.21

326.50' @ 2.45%
24" RCP, CLASS IV
Bd = 5.0'
Q_{100} = 18.90 CFS
V_{100} = 11.46 FT/S
Y_N = 1.04 FT.
HGL= 5251.79

249.04' @ 9.14%
24" RCP, CLASS IV
Bd = 5.0'
Q_{100} = 18.90 CFS
V_{100} = 18.61 FT/S
Y_N = 0.72 FT
HGL= 5260.57

139.25' @ 3.91%
24" RCP, CLASS III
Bd = 5.0'
Q_{100} = 18.00 CFS
V_{100} = 13.47 FT/S
Y_N = 0.88 FT.
HGL= 5282.88

224.80' @ 0.27%
24" RCP, CLASS III
Bd = 5.0'
Q_{100} = 6.1 CFS
V_{100} = 3.78 FT/S
Y_N = 1.02 FT.
HGL= 5288.57

HGL= 5290.25

EXISTING GRADE @ ℄ OF PIPE

FINISHED GRADE @ ℄ OF PIPE

STA. 10+11.80
M.H. B-3
INV. S= 50.37

STA. 10+54.37
BUILT 4' ϕ TYPE "E" M.H.
M.H. B3-1
INV. E= 50.85
INV. W= 50.85
INV. S= 52.00
℄ INV.= 50.26

STA. 13+87.87
BUILT 4' ϕ TYPE "E" M.H.
M.H. B3-2
INV. E= 56.05
INV. W= 56.85
℄ INV.= 59.34

STA. 16+36.09
BUILT 4' ϕ TYPE "E" M.H.
M.H. B3-3
TIE INTO EXIST. 24" RCP
INV. E= 82.00
INV. W= 81.80
℄ INV.= 81.90

STA. 17+81.14
BUILT 4' ϕ TYPE "E" M.H.
M.H. B3-4
TIE INTO EXIST. 24" RCP
INV. E= 87.65
INV. W= 87.45
INV. S= 87.55
℄ INV.= 87.76

STA. 20+10.87
BUILT 4' ϕ TYPE "E" M.H.
M.H. B3-5
INV. N= 88.75
INV. S= 88.75
INV. W= 88.25
℄ INV.= 88.53

5290 5280 5270 5260 5250 5240

10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00 18+00 19+00 20+00 21+00 23+00

NOTE:
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RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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STRMB-1 5/23/96 1=50

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AS BUILT INFORMATION

CONTRACTOR
WORK STARTED BY DATE
WORK COMPLETED BY DATE
ACCEPTANCE BY DATE
FIELD INSPECTION BY DATE
AS BUILT DRAWINGS CORRECTED BY DATE

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY JRD DATE 5/21/96
DRAWN BY DKS DATE 5/21/96
CHECKED BY TDS DATE 5/21/96

MOLZEN-CORBIN & Associates

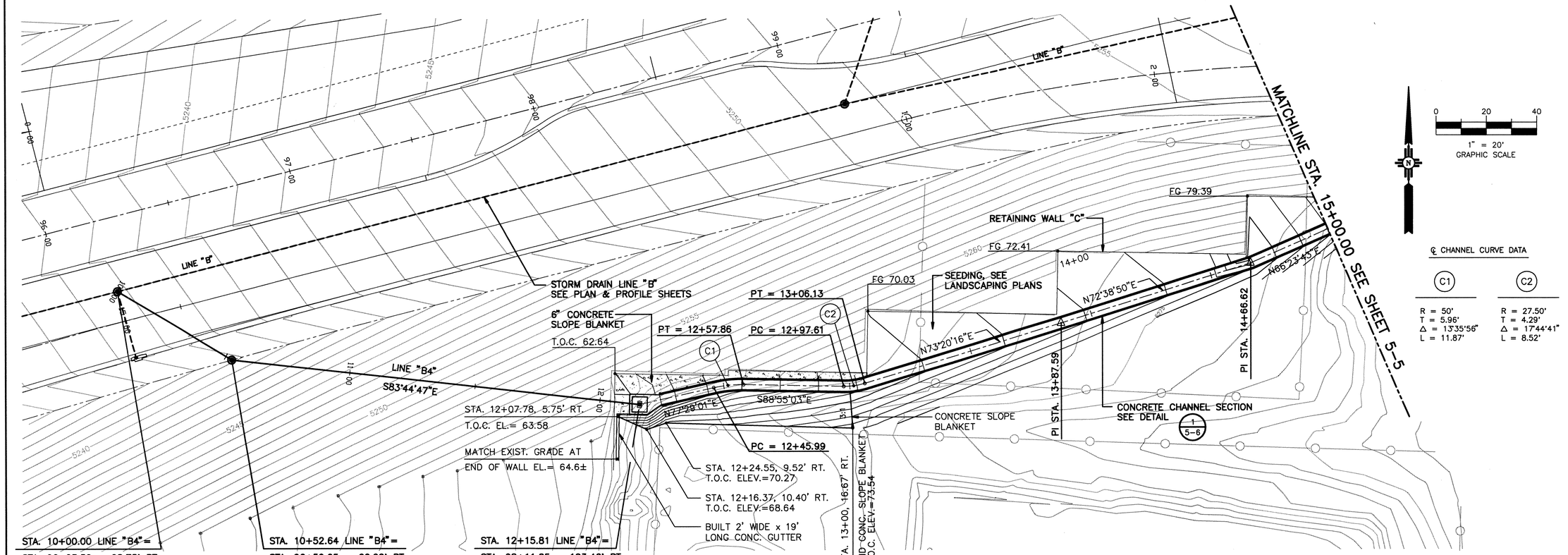
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

PLAN & PROFILE STORM DRAIN LINE "B3" STA. 10+00 TO E.O.P.

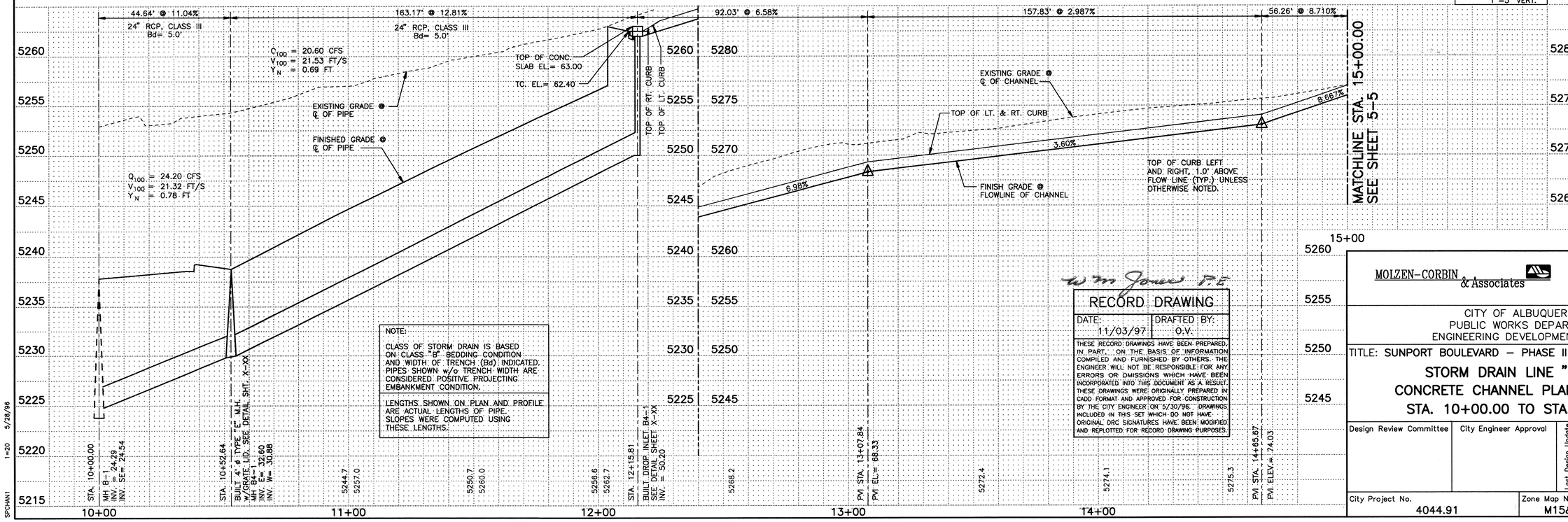
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 4044.91 | Zone Map No. M15&16 | Sheet 5-3 Of



2 9-40444.91 93918

SCALE: 1"=20' HORIZ.
1"=5' VERT.



NOTE:

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Wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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AS BUILT INFORMATION

CONTRACTOR
WORK STAKED BY — DATE
STAKING CHECKED BY — DATE
ACCEPTANCE BY — DATE
FIELD LOCATION BY — DATE
DRAWINGS CORRECTED BY — DATE
RECORDED BY — DATE
NO.

BENCH MARKS

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PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

MICRO-FILM INFORMATION

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY JRD	DATE 5/28/96
		DRAWN BY STAFF	DATE 5/28/96
		CHECKED BY T.D.S	DATE 5/28/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

STORM DRAIN LINE "B4" AND CONCRETE CHANNEL PLAN & PROFILE STA. 10+00.00 TO STA. 15+00.00

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	5-4	

1=20 5/28/96
SPCHAN1

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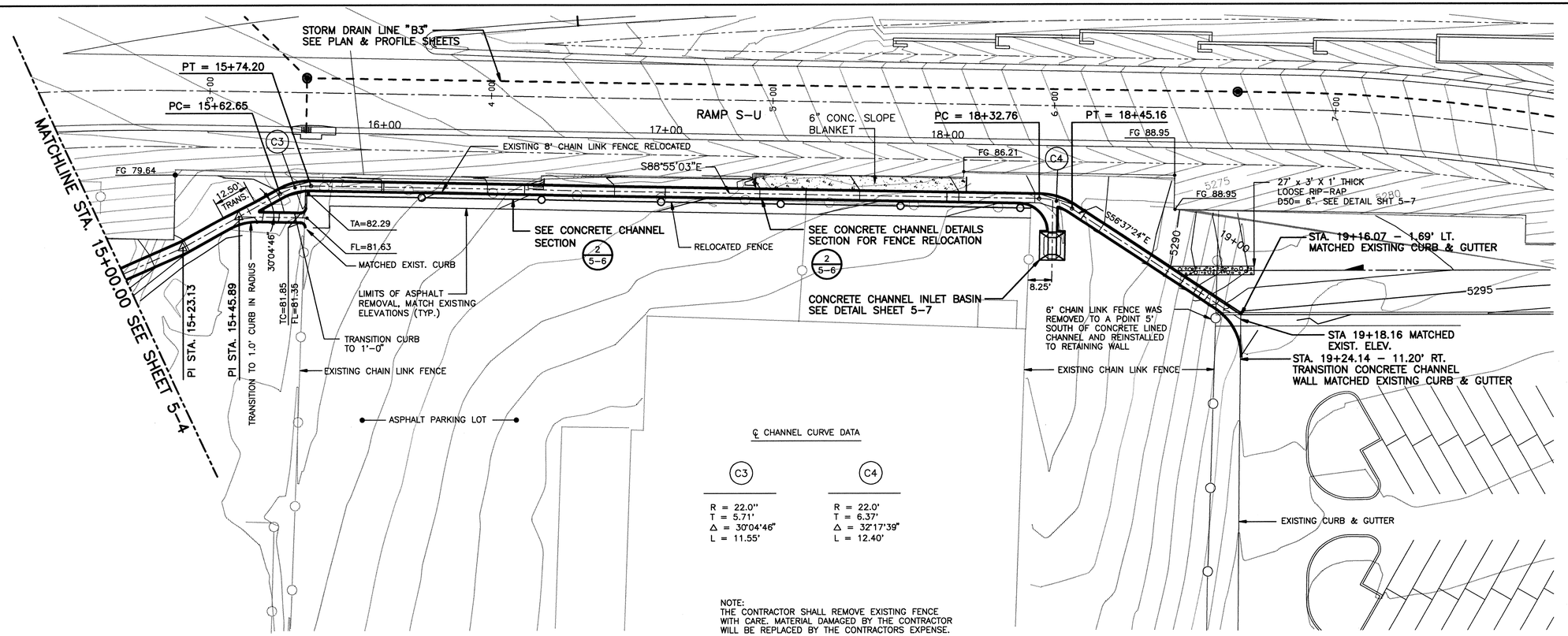

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

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PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
INSPECTIONS
ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
REVISIONS/ADDITIONS TO DRAWINGS
CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

ENGINEER'S SEAL

RECORD DRAWING
DATE: 11/03/97 | DRAFTED BY: O.V.
THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT. THESE DRAWINGS WERE ORIGINALLY PREPARED IN CADD FORMAT AND APPROVED FOR CONSTRUCTION BY THE CITY ENGINEER ON 5/30/96. DRAWINGS INCLUDED IN THIS SET WHICH DO NOT HAVE ORIGINAL DRC SIGNATURES HAVE BEEN MODIFIED AND REPLOTTED FOR RECORD DRAWING PURPOSES.

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY JRD	DATE 5/22/96
		DRAWN BY STAFF	DATE 5/22/96
		CHECKED BY T.D.S	DATE 5/22/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

CONCRETE CHANNEL PLAN & PROFILE STA. 15+00.00 TO STA. 19+15.89

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	5-5	

SPCHAN2 5/28/96 1=20

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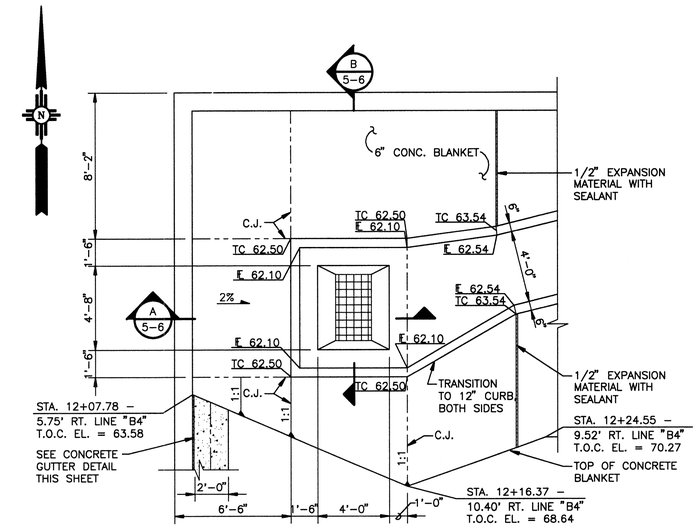
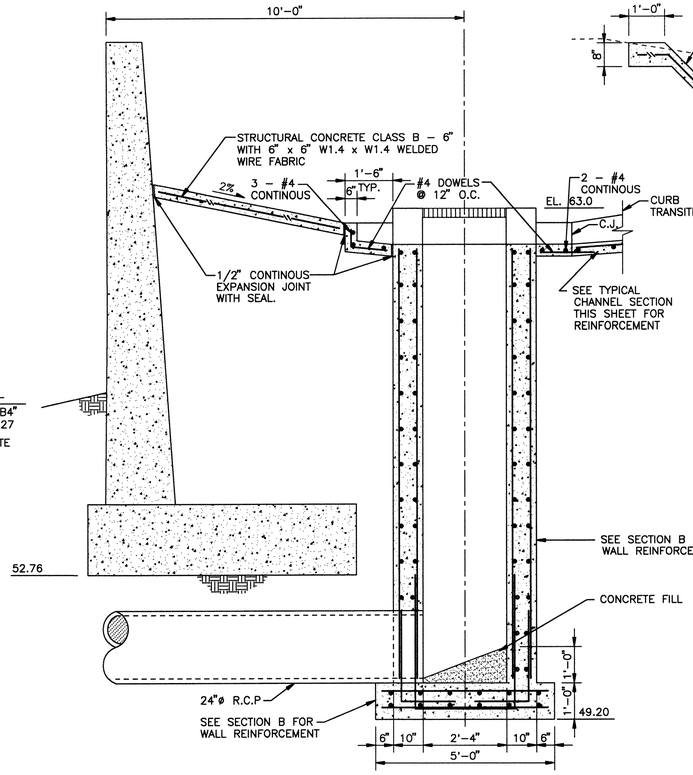


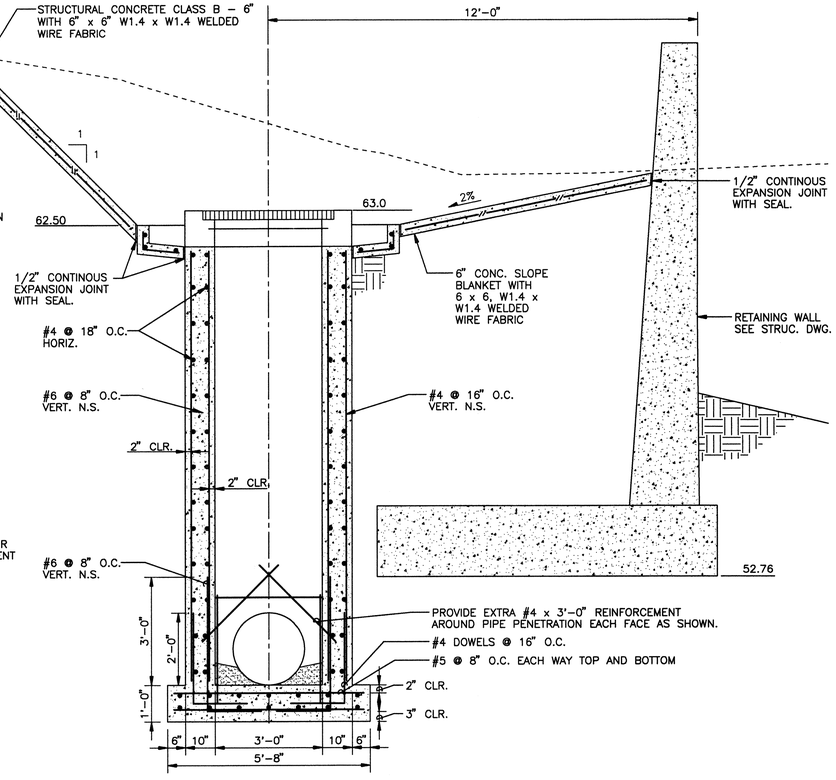
DROP INLET W/ ELEVATED COVER, FRAME & GRATE

SCALE: 1/4" = 1'-0"



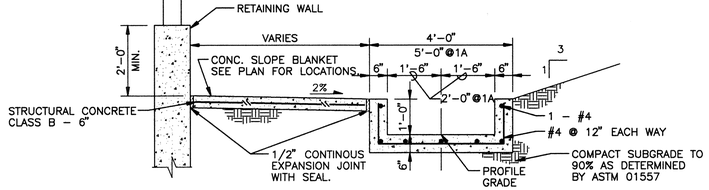
A 5-6 SECTION

SCALE: 1/2" = 1'-0"



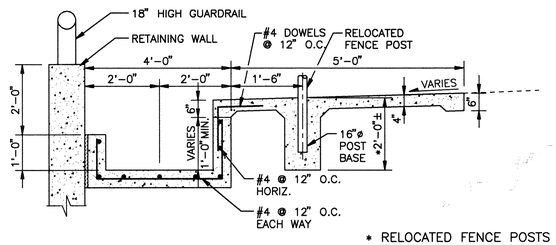
B 5-6 SECTION

SCALE: 1/2" = 1'-0"



1 5-5 1A 5-4 TYPICAL CONCRETE CHANNEL SECTION

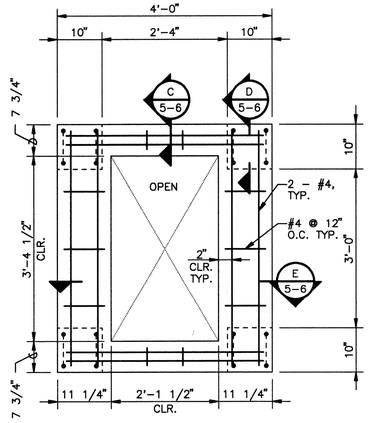
SCALE: 1/2" = 1'-0"



* RELOCATED FENCE POSTS SHALL BE INSTALLED TO THE SAME HEIGHT AS EXISTING FENCE.

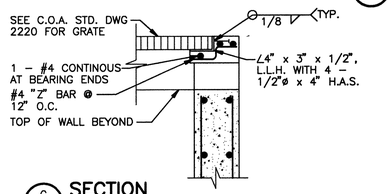
2 5-5 CHANNEL SECTION

SCALE: 1/2" = 1'-0"



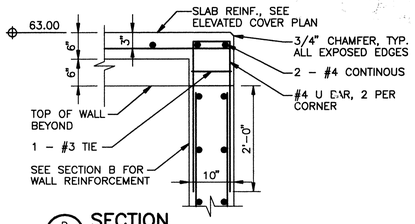
ELEVATED COVER – PLAN

SCALE: 3/4" = 1'-0"



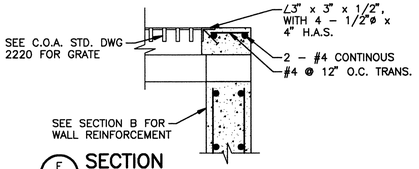
C 5-6 SECTION

SCALE: 3/4" = 1'-0"



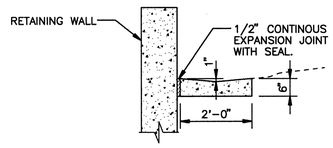
D 5-6 SECTION

SCALE: 3/4" = 1'-0"



E 5-6 SECTION

SCALE: 3/4" = 1'-0"



CONCRETE GUTTER DETAIL

SCALE: 1/2" = 1'-0"

26-40444.91 / 95598

AS BUILT INFORMATION	
CONTRACTOR	
STAKED BY	DATE
INSPECTOR'S NOTES	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

BENCH MARKS

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PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

REVISIONS	NO.	DATE	BY
DESIGN		DATE 5/28/96	
DESIGNED BY	OV	DATE 5/28/96	
DRAWN BY	JLR	DATE 5/28/96	
CHECKED BY	WMJ	DATE 5/28/96	

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **SUNPORT BOULEVARD – PHASE II**

STORM DRAIN

DROP INLET & CHANNEL SECTIONS

wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/3/97	O.V.

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Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	5-6	

CABINLET.DWG 1 = 4 5/28/96

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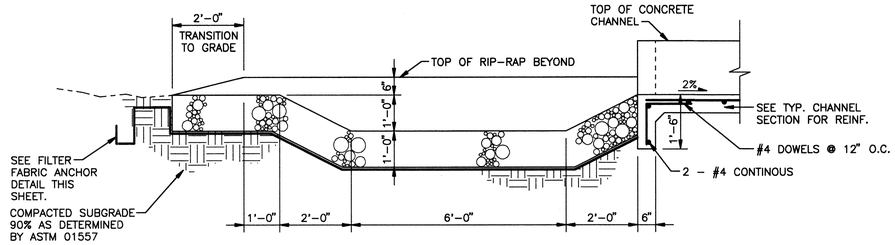
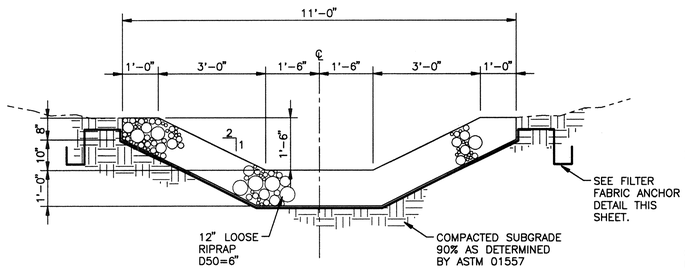
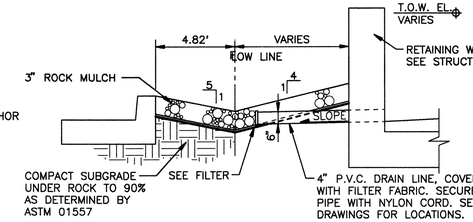


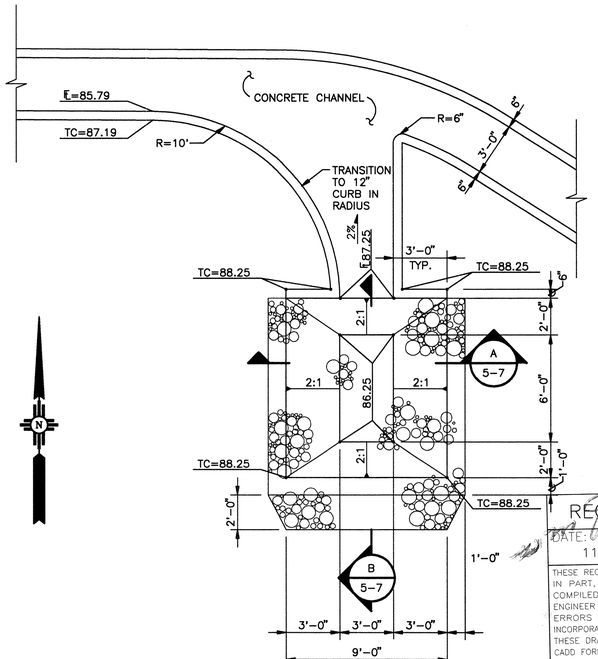
B 5-7 **SECTION**
SCALE: 1/2" = 1'



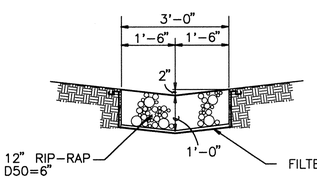
A 5-7 **SECTION**
SCALE: 1/2" = 1'



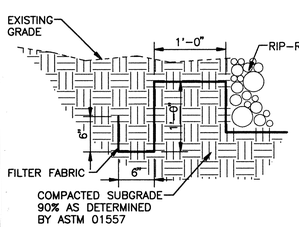
DITCH NORTH SIDE OF RAMP S-U
SCALE: NONE



CONCRETE CHANNEL INLET BASIN
SCALE: 1/4" = 1'



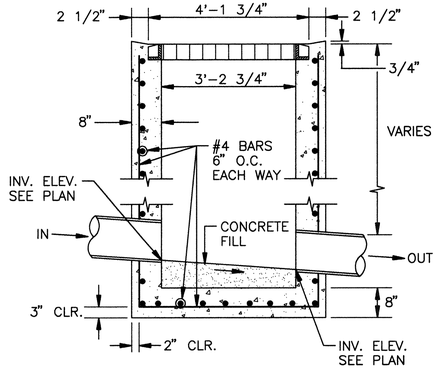
RIPRAP RUN DOWN
SCALE: 1/2" = 1'



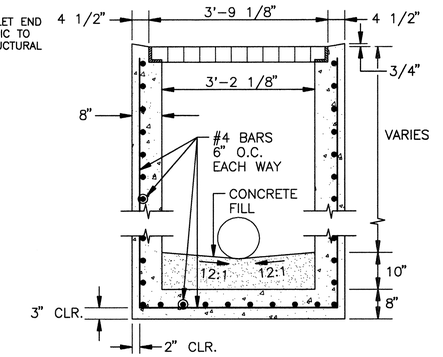
FILTER FABRIC ANCHOR DETAIL
SCALE: 1" = 1'

RECORD DRAWING
DATE: 11/03/97 | DRAFTED BY: O.V.
THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT. THESE DRAWINGS WERE ORIGINALLY PREPARED IN CADD FORMAT AND APPROVED FOR CONSTRUCTION BY THE CITY ENGINEER ON 5/30/96. DRAWINGS INCLUDED IN THIS SET WHICH DO NOT HAVE ORIGINAL DRC SIGNATURES HAVE BEEN MODIFIED AND REPLOTTED FOR RECORD DRAWING PURPOSES.
P.E.

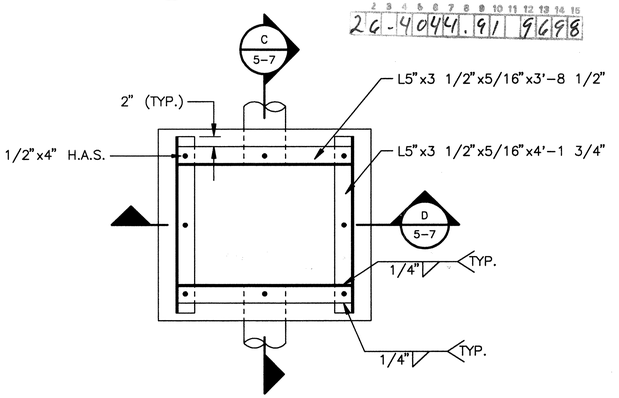
1



C 5-7 **SECTION**
SCALE: NONE



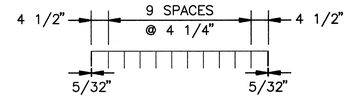
D 5-7 **SECTION**
SCALE: NONE



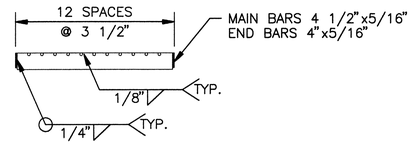
MEDIAN DROP INLET - PLAN
SCALE: NONE

NOTES:

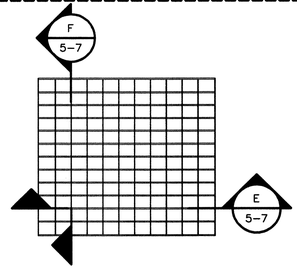
1. ALL BARS SHALL BE STRUCTURAL GRADE CARBON STEEL, GRADE ASTM A36.
2. THE GRATE SHALL BE WELDED WITH 1/8" FILLET WELD AROUND BOTH SIDES OF CROSS BARS, 1/4". FILLET WELD BOTH SIDES OF BEARING BARS TO END BARS.
3. AFTER CLEANING SURFACE OF SCALE, RUST, OILS, ETC., PAINT GRATE WITH ONE SHOP COAT RED OXIDE, TWO FINISH COATS ALUMINUM PAINT (AASHTO M69).
4. TOP OF CROSS BARS SHALL BE FLUSH WITH TOP OF GRATE.
5. GRIND WELDS FLUSH WITH BEARING BARS.
6. WHEN INSTALLED IN FRAME, PUSH TIGHT TO ONE SIDE, OTHER SIDE SHALL HAVE 1/2" MAX. OPENING. SPACERS WELDED TO FRAME MAY BE USED IF REQUIRED TO KEEP 1/2" SPACE OR LESS.



F 5-7 **SECTION**
SCALE: NONE



E 5-7 **SECTION**
SCALE: NONE



GRATE - PLAN
SCALE: NONE

2C-4044.91 | 96198

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD - PHASE II

MISCELLANEOUS DETAILS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	5-7	

ENGINEER'S SEAL

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

BENCH MARKS
STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

AS BUILT INFORMATION

CONTRACTOR	
NAME	
STAKED BY	DATE
INSPECTOR'S ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
AS BUILTED BY	DATE
CORRECTED BY	DATE

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

REVISIONS

NO.	DATE	REVISED DIMENSIONS ON DROP INLET	BY
1	11/27/96	REMARKS	WMJ

DESIGNED BY	OV	DATE	12/2/96
DRAWN BY	JLR	DATE	12/2/96
CHECKED BY	WMJ	DATE	12/2/96

CABBASIN.DWG 1 = 4 12/2/96

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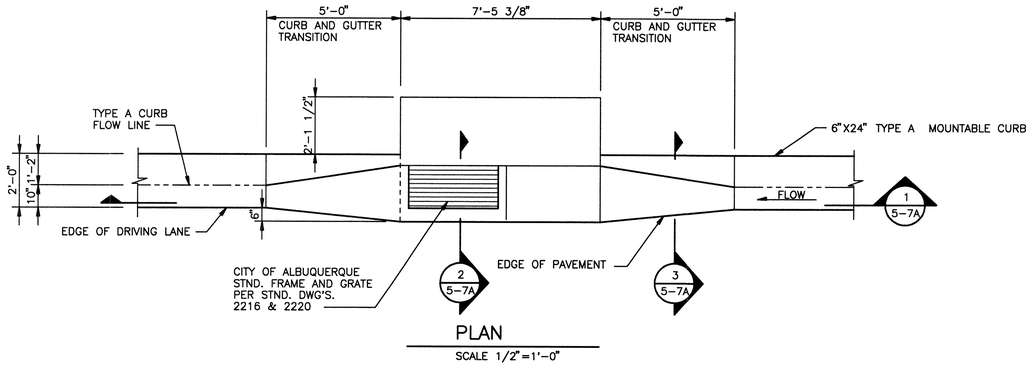
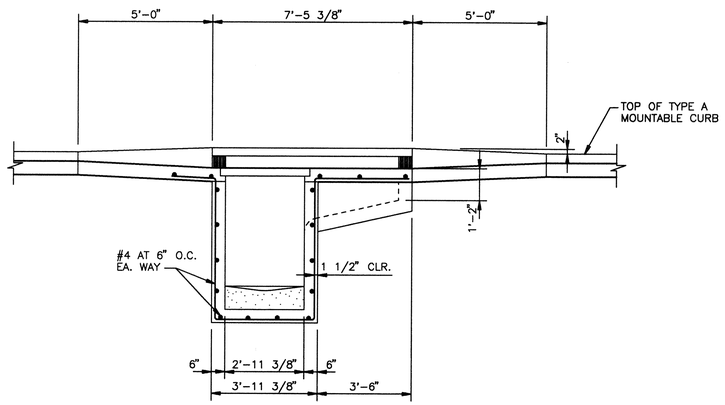


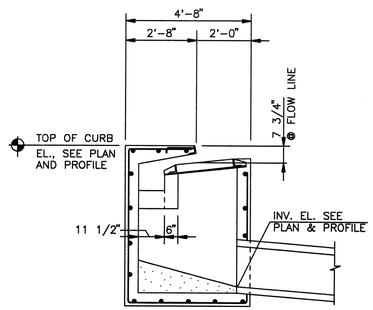
PLAN

SCALE 1/2"=1'-0"



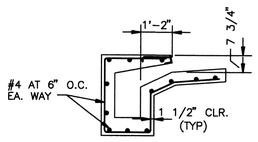
SECTION 1 5-7A

SCALE: 1/4" = 1'-0"



SECTION 2 5-7A

SCALE: 1/4" = 1'-0"

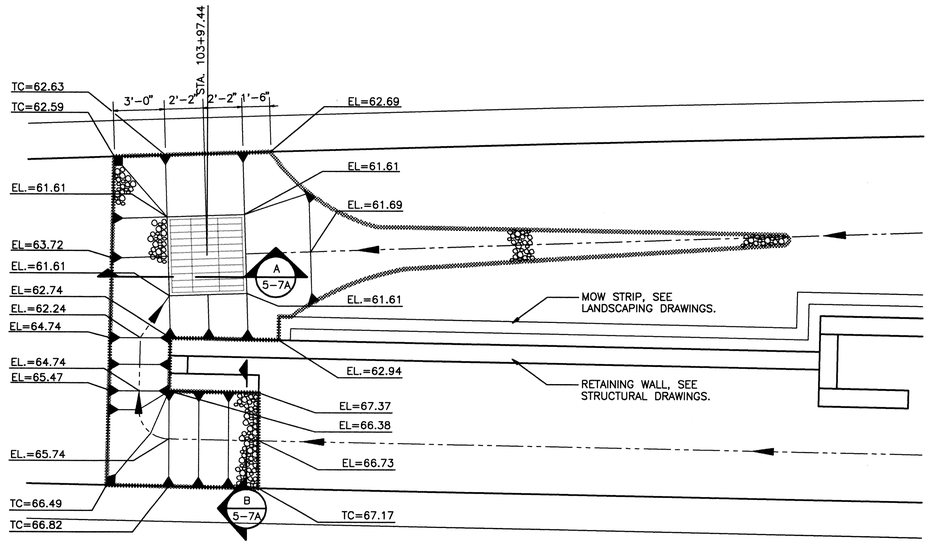


NOTE:
FOR ANGLE AND ANGLE ANCHOR SEE CITY OF ALBUQUERQUE STND. DWG. #2205

SECTION 3 5-7A

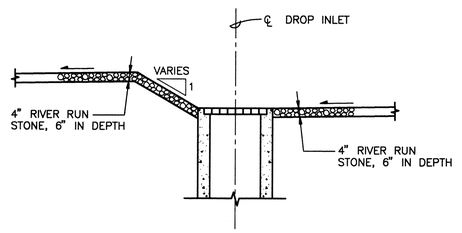
SCALE: 1/4" = 1'-0"

MODIFIED TYPE A INLET



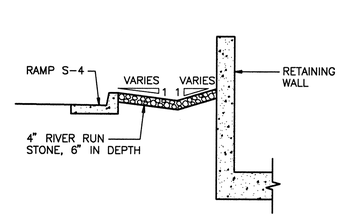
PLAN

DROP INLET DETAIL – STA. 103+97.44 – 53.21' RT.



SECTION A 5-7A

SCALE: 1/4" = 1'-0"



SECTION B 5-7A

SCALE: 1/4" = 1'-0"

RUNDOWN – STA. 103+97.44

26-4044 9/1 9798

W M Jones P.E

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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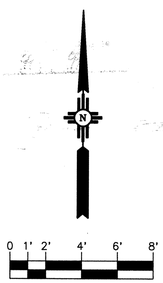

1/4" = 1' GRAPHIC SCALE

AS BUILT INFORMATION

CONTRACTOR
WORK PERFORMED BY DATE
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE

MICRO-FILM INFORMATION

RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY OV	DATE 6/25/96
		DRAWN BY JLR	DATE 6/25/96
		CHECKED BY WMJ	DATE 6/25/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **SUNPORT BOULEVARD – PHASE II**

MISCELLANEOUS DRAINAGE DETAILS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	5-7A	

RUNDOWN2.DWG 1/4" = 1'-0" 6/25/96

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ESTIMATED STRUCTURE QUANTITIES
(STORM DRAINAGE SYSTEM)

STATION	TO	STATION	DESIGNATION	511240 STRUCTURAL CONCRETE CLASS "B" - 6" S.Y.	540040 REINFORCING BARS GRADE 40 L.B.	540200 WELDED WIRE FABRIC L.B.	570426 18" ø R.C.P. CLASS III L.F.	570438 24" ø R.C.P. CLASS III L.F.	570439 24" ø R.C.P. CLASS IV L.F.	570462 36" ø R.C.P. CLASS III L.F.	660030 TRENCHING, BACKFILL & COMP., 18"-36" 6'< D L.F.	660040 TRENCHING, BACKFILL & COMP., 18"-36" 8'-12' D L.F.	660050 TRENCHING, BACKFILL & COMP., 18"-36" 12'-16' D L.F.	602010 LOOSE RIP-RAP C.Y.	604024 FILTER FABRIC S.Y.	623003 MEDIAN DROP INLET, 3' TO 6' D EACH	623006 MEDIAN DROP INLET, 6' TO 8' D EACH	623292 DROP INLET W/ ELEVATED COVER, FRAME & GRATE V.F.	623335 DROP INLET, SINGLE TYPE "A", 4' TO 8' D EACH	623336 DROP INLET, SINGLE MODIFIED TYPE "A", 4' TO 8' D EACH	623337 DROP INLET, SINGLE TYPE "C", 4' TO 8' D EACH	662062 MANHOLE TYPE "E", 4' ø, OVER 6' TO 10' DEPTH EACH	662064 MANHOLE TYPE "E", 4' ø, OVER 10' TO 14' DEPTH EACH	662066 MANHOLE TYPE "E", 6' ø, OVER 6'-10' DEPTH EACH	662072 MANHOLE TYPE "E", 6' ø, OVER 10'-14' DEPTH EACH	662074 CONNECTION OF NEW STORM DRAIN LINE TO EXIST. M.H. EACH	663950 EACH
10+00		30+46.55	LINE "B"				408.63	636.3	349.7	1025.53	408	1454	580			3	1		4	1	1	1	3	1	2	2	1
10+11.60		20+10.17	LINE "B3"				51.1	402.0	575.4		180	534	262						1		1	2	2	1			
10+00		12+15.81	LINE "B4"					207.1				143.0	65.0					12.0				1					
12+17.81		19+18.16	CONCRETE CHANNEL	80	7000	1700								9	26												
TOTAL				80	7000	1700	459.73	1245.4	925.1	1025.53	588	2131	907	9	26	3	1	12.0	5	1	2	4	5	2	2	2	1
USE																											

AS BUILT INFORMATION

CONTRACTOR — DATE
WORK STARTED BY — DATE
WORK ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

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PROJECT: X=389231.63, Y=473027.84, EL=5310.21

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

THADDEUS D. SCHMENK — NEW MEXICO — 4739 — REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY MJ — DATE 4/16/1996
DRAWN BY STAFF — DATE 4/16/1996
CHECKED BY TS — DATE 4/16/1996

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

ESTIMATED STRUCTURE QUANTITIES

2 3 4 5 6 7 8 9 10 11 12 13 14 15
24-4044.91 9898

Wm Jones P.E.

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DATE: 11/03/97 — DRAFTED BY: O.V.
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Design Review Committee: APPROVED — DESIGN REVIEW COMMITTEE — Mo./Day/Yr.
City Engineer Approval: APPROVED — CITY ENGINEER — Mo./Day/Yr.
Last Design Update

City Project No. 4044.91 — Zone Map No. M15&16 — Sheet 5 Of 8

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GENERAL NOTES

1 WORKMANSHIP AND MATERIALS SHALL CONFORM TO NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 1994 EDITION, INCLUDING ALL SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS.

2 FOUNDATION DATA SHOWN ON PLANS ARE FOR DESIGNERS ONLY. THE CITY OF ALBUQUERQUE IS NOT RESPONSIBLE FOR ANY INTERPRETATION OR ASSUMPTIONS MADE BY CONTRACTORS BASED ON THIS INFORMATION.

3 THE CONTRACTOR IS CAUTIONED THAT THE HORIZONTAL & VERTICAL GEOMETRY OF THE BRIDGE IS COMPLEX. CARE SHOULD BE TAKEN TO INSURE THE LAYOUT OF THE FOUNDATIONS & DECK SLABS ARE ACCURATE & CORRECT. ALL DIMENSIONS SHOWN ON THE DRAWINGS SHALL BE VERIFIED BY THE CONTRACTOR. ANY CALCULATIONS TO DETERMINE CRITICAL DIMENSIONS SHOULD BE VERIFIED BY A REGISTERED SURVEYOR. UPON REQUEST, THE ENGINEER WILL REVIEW GEMOETRIC CALCULATIONS.

4 TOP OF DECK ELEVATIONS AT ANY DESIRED POINT WILL BE FURNISHED BY THE ENGINEER UPON REQUEST.

5 SUPERSTRUCTURE CONCRETE, INCLUDING THE PIER COLUMNS, SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 5,000 PSI.

6 SUBSTRUCTURE CONCRETE, EXCEPT THE DRILLED PIERS, SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 4,000 PSI.

7 CONCRETE FOR DRILLED PIERS AT PIERS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 5,000 PSI

8 CONCRETE FOR DRILLED PIERS AT ABUTMENTS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 4,000 PSI

9 REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60, UNLESS NOTED OTHERWISE ON THE DRAWINGS.

10 ALL REINFORCING BARS IN THE TOP DECK SLAB SHALL BE GRADE 60, EPOXY COATED, UNLESS NOTED OTHERWISE ON THE DRAWINGS.

11 THE CONTRACTOR IS RESPONSIBLE FOR PREPARING THE SHOP DRAWINGS AND DETAILS FOR ALL REINFORCING BARS. ALL SHOP DRAWINGS AND DETAILS SHALL BE IN ACCORDANCE WITH THE ACI STANDARD DETAILING MANUAL, (ACI-315), AND SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO STARTING FABRICATION. ALLOW TWO WEEKS FOR THE REVIEW.

12 POST-TENSIONING TENDONS SHALL BE 1/2" DIAMETER, SEVEN-WIRE STRAND STRESS RELIEVED LOW RELAXATION, CONFORMING TO ASTM A416 AND SHALL HAVE A MINIMUM STRENGTH OF 270,000 psi.

13 A FULLY QUALIFIED POST-TENSIONING INSTALLER SHALL HAVE THE UNDIVIDED RESPONSIBILITY FOR ENGINEERING AND INSTALLING THE POST-TENSIONING SYSTEM TO PROVIDE THE PRESTRESSING FORCES INDICATED ON THE DRAWINGS AT LOCATIONS INDICATED. A QUALIFIED PROFESSIONAL REGISTERED ENGINEER SHALL PREPARE THE NECESSARY DESIGN CALCULATIONS AND SHOP DRAWINGS, AND MONITOR THE COMPLETE INSTALLATION PROCESS.

14 STRUCTURAL STEEL SHALL BE CARBON STEEL CONFORMING TO AASHTO SPECIFICATION M-183, EXCEPT AS NOTED. SHOP PLANS MUST BE REVIEWED BY THE ENGINEER BEFORE FABRICATION IS STARTED.

15 ANCHOR BOLTS. ANCHOR BOLTS SHALL BE FABRICATED FROM ASTM A572, GRADE 50 STEEL. ANCHOR BOLTS SHALL BE ACCURATELY ALIGNED USING A TEMPLATE, AND GROUTED IN CORED HOLES.

16 PAINT. ALL STRUCTURAL STEEL ITEMS SHALL BE PAINTED IN CONFORMANCE WITH THE REQUIREMENTS OF THE SPECIAL PROVISION FOR PROTECTIVE COATING OF NEW RAILING AND MISCELLANEOUS STEEL, TYPE 2.

17 PERMANENT STEEL DECK FORMS SHALL BE UTILIZED FOR SLAB CONSTRUCTION ON THIS STRUCTURE. COMPLETE SHOP PLANS, DESIGN CALCULATIONS AND SPECIFICATIONS FOR THE PROPOSED FORMING SYSTEM ARE TO BE REVIEWED BY THE ENGINEER PRIOR TO INSTALLATION.

18 EXPANSION JOINT FILLERS. ALL PREFORMED BITUMINOUS JOINT FILLERS SHALL CONFORM TO AASHTO SPECIFICATION M213.

19 CHAMFER ALL EXPOSED EDGES OF CONCRETE STRUCTURES 3/4 INCH UNLESS NOTED OTHERWISE ON THE DRAWINGS.

20 PROVIDE BAR SUPPORTS AND SPACERS FOR REBAR IN ACCORDANCE WITH ACI 315 AND CHAIRS WITH 22 ga. SAND PLATES FOR ALL REBAR BEARING ON GRADE.

21 WHERE LAPPED SPLICES IN REINFORCING OCCUR, THE MINIMUM LAP SHALL BE FOR A CLASS B LAP SPLICE UNLESS NOTED OTHERWISE.

22 ALL HORIZONTAL REINFORCING IN CONTINUOUS FOOTINGS AND WALLS SHALL BE CONTINUOUS AROUND CORNERS OR HAVE CORNER BARS OF THE SAME SIZE AND SPACING AS THE HORIZONTAL BARS AND LAPPED ACCORDING TO ACI 318. FOR ALL CONCRETE BEAMS INSTALL ONE CORNER REBAR OF THE SAME SIZE FOR EACH HORIZONTAL REBAR IN THE BEAM.

23 CONCRETE COVER FOR REINFORCING SHALL CONFORM TO ACI 318.

GENERAL NOTES (CONT.)

24 THE CONTRACTOR SHALL ENSURE ALL REBAR IS PROPERLY ALIGNED AND TIED IN PLACE BEFORE PLACING CONCRETE. ALL COLUMN, WALL DOWELS AND VERTICAL STEEL SHALL BE ACCURATELY LOCATED AND SECURED IN PLACE SO THAT IT REMAINS IN THIS POSTION DURING THE PLACING OPERATION.

25 ANY REBAR FOUND TO BE IMPROPERLY INSTALLED SHALL BE REMOVED AND REPLACED AT NO ADDITIONAL COST TO THE OWNER.

26 EPOXY BONDING OF THE TOPS AND BOTTOMS OF ELASTOMERIC BEARING PADS TO BRIDGE SEATS AND SOLE PLATES, AS REQUIRED BY SUBSECTION 514.031 OF THE STANDARD SPECIFICATIONS WILL NOT BE REQUIRED. ALL FAYING SURFACES OF PADS, CONCRETE AND STEEL PLATES SHALL BE THOROUGHLY CLEANED IN TOLUENE OR OTHER APPROVED SOLVENTS TO REMOVE ALL GREASE, DIRT AND OTHER CONTAMINANTS PRIOR TO PLACING THE PADS. THE 10 PERCENT MAXIMUM COMPRESSIVE STRAIN REQUIREMENT SHALL CONTINUE TO APPLY.

27 THE LOWER & TOP DECKS MAY BE PLACED AND FINISHED BY HAND OR BY MACHINE.

28 DECK SLAB SURFACE TEXTURE. DECK SLAB SURFACE TEXTURE SHALL CONSIST OF A BROOMED FINISH APPLIED TO THE PLASTIC CONCRETE FOLLOWED BY GROOVING OF THE HARDENED CONCRETE. GROOVING SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AS MODIFIED BY APPROPRIATE SUPPLEMENTAL SPECIFICATIONS OR SPECIAL PROVISIONS, EXCEPT THAT LINSEED OIL AND MINERAL SPIRITS MIXTURE SHALL NOT BE APPLIED TO THE GROOVED SURFACE.

29 PENETRATING WATER REPELLENT TREATMENT, A PENETRATING WATER REPELLENT IS TO BE APPLIED TO THE FOLLOWING CONCRETE SURFACES:
- (A) TOP OF DECK SLAB
- (B) SIDES OF BRIDGE DECK
- (C) ALL SURFACES OF ALL RAILINGS
- (D) TOP AND VERTICAL SURFACES OF ABUTMENT SEATS AND PEDESTALS
- (E) TOP OF SIDEWALK
- (F) TOP OF ABUTMENT BACKWALL
- (G) TOP OF BRIDGE APPROACH SLAB
- (H) OUTSIDE FACE OF ABUTMENT WALLS
- (I) VERTICAL SURFACES OF PIER COLUMNS

30 SHORING SHALL NOT BE REMOVED UNTIL THE POST TENSIONING HAS BEEN COMPLETED, AND THE CONCRETE HAS ATTAINED ITS SPECIFIED 28 DAY COMPRESSIVE STRENGTH.

31 ALL DRILLED PIERS SHALL BE TESTED AND CERTIFIED USING THE CROSS-HOLE, SONIC TEST METHOD IN ACCORDANCE WITH NMSHTD STANDARDS.

DESIGN DATA

DESIGN IS IN ACCORDANCE WITH AASHTO SPECIFICATIONS, FIFTEENTH EDITION, 1992, AND THE 1993 AND 1994 INTERIM SPECIFICATIONS.

LIVE LOAD: HS 20-44

WEARING SURFACE: 1/4" MONOLITHIC CONCRETE PLUS 30 PSF ALLOWANCE FOR FUTURE WEARING SURFACE.

HORIZONTAL EARTH PRESSURE:
36 PCF EQUIVALENT FLUID PRESSURE AND 2 FT. SURCHARGE.

WIND VELOCITY: 80 MPH.

DESIGN STRESSES

SUPERSTRUCTURE CONCRETE:
f'c = 5,000 PSI AT 28 DAYS
f'c = 3,500 PSI AT TRANSFER OF PRESTRESS

SUBSTRUCTURE CONCRETE: (ABUTMENTS)
f'c = 4,000 PSI

DRILLED PIERS
f'c = 5,000 PSI @ PIER COLUMNS
f'c = 4,000 PSI @ ABUTMENTS

DEFORMED STEEL REINFORCING BARS:
fy = 60,000 PSI

POST-TENSION STRAND
fs = 270,000 psi
MAXIMUM JACKING FORCES VARY, SEE DRAWINGS
EFFECTIVE FORCES VARY, SEE DRAWINGS

STRUCTURAL STEEL
fy = 36,000 PSI

ANCHOR BOLTS
fv = 11,100 PSI

MAXIMUM COMPUTED LOAD ON DRILLED PIERS:
@ ABUTMENTS 225 KIPS (DOWNWARD)
45 KIPS (UPWARD)
@ PIERS 550 KIPS

SPECIAL PROVISIONS

THE FOLLOWING SPECIAL PROVISIONS MODIFY THE 1994 EDITION OF THE NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION:

1 SPECIAL PROVISIONS MODIFYING SECTION 511- CONCRETE STRUCTURES, DATED 5/06/94.

2 SPECIAL PROVISION MODIFYING SECTION 512-SUPERSTRUCTURE, DATED 5/06/94.

3 SPECIAL PROVISION MODIFYING SECTION 532- PENETRATING WATER REPELLENT TREATMENT, DATED 6/28/94.

4 SPECIAL PROVISION MODIFYING SECTION 502-DRILLED SHAFT CONCRETE BEARING PILES, DATED 7/12/95.

5 SPECIAL PROVISION MODIFYING SECTION 606- METAL AND CONCRETE WALL BARRIER, DATED 10/20/95.

SUPPLEMENTAL SPECIFICATIONS

THE FOLLOWING SUPPLEMENTAL SPECIFICATIONS MODIFY THE 1994 EDITION OF THE NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION:

none

FOUNDATION NOTES

SEE SHEETS 6-3 AND 6-4 FOR FOUNDATION NOTES.

DRAWINGS REQUIRED

SHEET NO.	TITLE
6-1	GENERAL NOTES
6-2	BRIDGE PLAN
6-3	YALE EAST CONTROL LINE PROFILE
6-4	YALE WEST CONTROL LINE PROFILE
6-5	ABUTMENT #1 FOUNDATION AND WALL PLANS
6-6	ABUTMENT #1 WALL SECTIONS
6-7	ABUTMENT #2 FOUNDATION AND WALL PLANS
6-8	ABUTMENT #2 WALL SECTIONS
6-9	ABUTMENT WALL ELEVATIONS AND DETAILS
6-10	BRIDGE SEAT DETAILS
6-11	BEARINGS, PLANS AND DETAILS
6-12	PIER PLAN, ELEVATION, AND DETAILS
6-13	WEBS AND DIAPHRAGM LAYOUT PLAN
6-14	TOP OF SLAB ELEVATIONS
6-15	LOWER DECK REINFORCING PLAN
6-16	TOP DECK REINFORCING PLAN
6-17	TRANSVERSE SECTION & DETAILS
6-18	WEBS A & B REINFORCING
6-19	WEBS C & D REINFORCING
6-20	WEBS E & F REINFORCING
6-21	WEBS G & H REINFORCING
6-22	SECTIONS AND DETAILS

NMSHTD SERIALS REQUIRED

1	EXCAVATION AND BACKFILL FOR BRIDGES, WALLS AND CBC'S:	BEB-001-04
2	ELASTOMERIC EXPANSION JOINT SEALS FOR BRIDGES	BJS-01-02 BJS-002-01 AND BJS-003-01
3	BARRIER RAILING	BBR-001 THROUGH 004

INCIDENTAL ITEMS

PAYMENT FOR THE COMPLETE BRIDGE SYSTEM, INCLUDING BRIDGE APPROACH SLABS, AND ANY SHORING SYSTEMS REQUIRED FOR EXCAVATION OF THE BRIDGE WILL BE LUMP SUM.

W M Jones P.E

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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AS BUILT INFORMATION

CONTRACTOR
WORK STARTED DATE
STAKED BY
INSPECTOR'S
ACCEPTANCE BY DATE
FIELD
VERIFICATION BY DATE
REMARKS
CORRECTED BY DATE

MICRO-FILM INFORMATION

RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY BAS DATE 5/28/96
DRAWN BY RV DATE 5/28/96
CHECKED BY BAS DATE 5/28/96

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
26-40N-1W.91 9998

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ALBUQUERQUE, NEW MEXICO 87110

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

YALE BLVD. BRIDGE OVER SUNPORT BLVD.
GENERAL NOTES

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
C.O.A. 4044.91	M-15&16	6-1	

6015501.DWG XX-XX 5/28/96

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GENERAL NOTES:

1. See roadway for alignment information.

RADIUS POINT EAST

RADIUS POINT YALE WEST

2'-8" ℄ BRG. 54'-9" 114'-10" BACK TO BACK OF BACKWALL ℄ PIER (NORMAL TO ℄ BEARINGS) N 00 49' 12.3"W 54'-9" ℄ BRG. 2'-8"

WEST BOUND SUNPORT BLVD.

EAST BOUND SUNPORT BLVD.

℄ BRG. ABUTMENT No.2
P.O.C. STA. 16+02.66 YALE BLVD. WEST
P.O.C. STA. 16+23.81 YALE BLVD. EAST

POC STA. = 109+21.20

PT = 17+60.77

17+00

19+00

B.H.#5

OUTSIDE EDGE OF BARRIER R=148.50'

N89 10'47.7"E

18+00

YALE EAST
△ = 98°35'46"
R = 152.00'
T = 176.70'
L = 261.57'
D = 38° 24' 35"

STA. 108+67.77 ℄ SUNPORT BLVD. =
STA. 15+43.62 YALE BLVD. EAST

B.H.#1

℄ BRG. ABUTMENT No.1
P.O.T. STA. 14+86.37 YALE BLVD. WEST
P.O.T. STA. 14+84.93 YALE BLVD. EAST

15+00

B.H.#3

N89 10'47.7"E

16+00

BRIDGE APPROACH SLAB

B.H.#6

℄ PIER = 14+57.74 ℄ YALE EAST

N00 20'47.7"E

CONTROL LINE "YALE EAST"

BRIDGE APPROACH SLAB

26.995'

10'-6"

℄ PIER = 14+90.68 ℄ YALE WEST

B.H.#4

OUTSIDE EDGE OF BARRIER R=173.31'

N00 20'47.7"E

CONTROL LINE "YALE WEST"

2'

YALE WEST
△ = 94°27'55"
R = 163.81'
T = 177.11'
L = 270.09'
D = 34° 58' 34"

STA. 108+25.74 ℄ SUNPORT BLVD. =
STA. 15+40.75 YALE BLVD. WEST

9'-0"

BRIDGE APPROACH SLAB

B.H.#2

RAMP S-U

18+00

℄ PIER
P.O.C. STA. 15+40.75 YALE BLVD. WEST
P.O.C. STA. 15+43.62 YALE BLVD. EAST

PLAN
SCALE: 1"=10'

- BORE HOLE TO 106.5'
- BORE HOLE 65' TO 85'

HAMMER WEIGHT = 140 LBS.
HAMMER DROP = 30 IN.
BORING METHOD = 7.25" HSA
SPLIT SPOON I.D. = 1.4 IN.
SHELBY TUBE O.D. = 2.0 IN.

2-C-40449.91 10/06/98

W M Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

YALE BLVD. BRIDGE OVER SUNPORT BLVD.
BRIDGE PLAN
STA. 15+43.62 EAST, STA. 15+40.75 WEST

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
C.O.A. 4044.91	M-15&16	6-2	

DESIGNED BY BAS DATE 5/28/96
DRAWN BY RV DATE 5/28/96
CHECKED BY BAS DATE 5/28/96

NO.	DATE	REVISED BRIDGE PLANS REMARKS
1	10/28/98	

REVISIONS

AS BUILT INFORMATION

CONTRACTOR STAKED BY DATE
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
AS-BUILTS CORRECTED BY DATE

MICRO-FILM INFORMATION

RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION

FIELD NOTES BY DATE

ENGINEER'S SEAL

6015502.DWG 1"=10' 2/28/96

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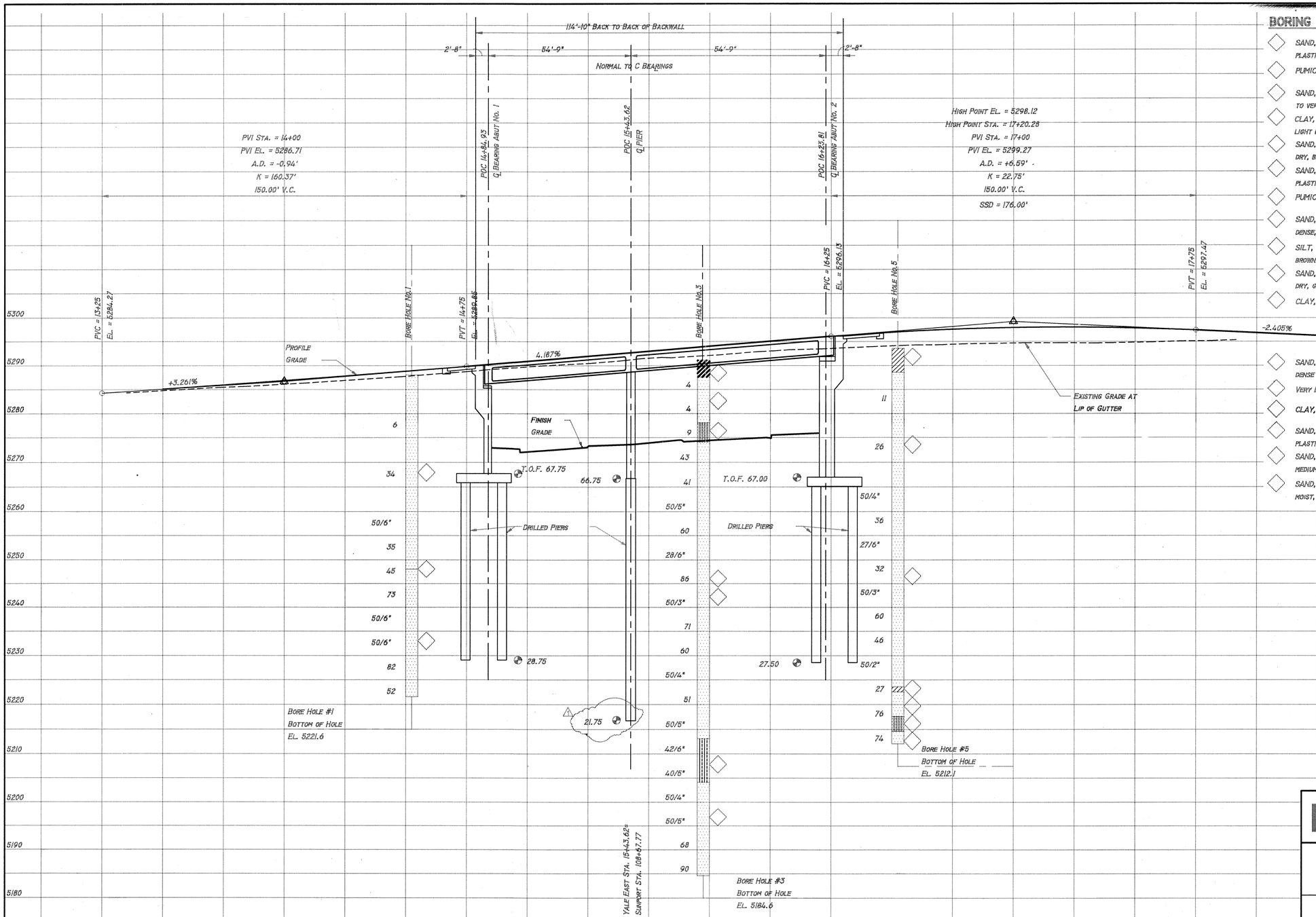

PROFILE ALONG YALE BLVD. EAST CONTROL LINE

SCALE: 1"= 20' HORIZONTAL
1"= 10' VERTICAL

BORING LEGEND

- SAND, CLEAN, SOME GRAVELS, LOOSE, NON-PLASTIC, DRY, BROWN
- PUMICE
- SAND, CLEAN, SOME GRAVELS, MEDIUM DENSE TO VERY DENSE, NON-PLASTIC, DRY, BROWN
- CLAY, SANDY, STIFF, MEDIUM PLASTICITY, MOIST, LIGHT BROWN
- SAND, SOME GRAVELS, LOOSE, NON-PLASTIC, DRY, BROWN
- SAND, SILTY, SOME GRAVELS, LOOSE, NON-PLASTIC, DRY, BROWN
- PUMICE
- SAND, CLEAN, SOME GRAVELS, DENSE TO VERY DENSE, NON-PLASTIC, DRY, BROWN
- SILT, SANDY, VERY HARD, NON-PLASTIC, MOIST, BROWN
- SAND, CLEAN, SOME SMALL GRAVEL, VERY DENSE, DRY, GRAY BROWN
- CLAY, SANDY, MEDIUM PLASTICITY, BROWN
- SAND, CLEAN WITH SOME GRAVEL, MEDIUM DENSE TO DENSE, NON-PLASTIC, BROWN
- VERY DENSE
- **CLAY, HARD, HIGH PLASTICITY, MOIST, RED BROWN**
- SAND, CLEAN WITH SOME GRAVEL, DENSE, NON-PLASTIC, DRY, BROWN
- SAND, SILTY, SLIGHTLY CLAYEY, DENSE, LOW TO MEDIUM PLASTICITY, DRY, GRAY
- SAND, CLEAN WITH SOME GRAVEL, VERY DENSE, MOIST, BROWN

AS BUILT INFORMATION
BENCH MARKS
SURVEY INFORMATION
FIELD NOTES
NO. BY DATE
CONTRACTOR
WORK STARTED BY DATE
INSPECTOR'S FIELD ACCEPTANCE BY DATE
VERIFICATION BY DATE
AS BUILTS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL

216-140/14.9/11/01/98

W. M. Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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NO.	DATE	REMARKS	BY
1	10/28/96	REVISED BRIDGE PLANS	

REVISIONS
DESIGN
DESIGNED BY BAS DATE 5/28/96
DRAWN BY RV DATE 5/28/96
CHECKED BY BAS DATE 5/28/96

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MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

YALE BLVD. BRIDGE OVER SUNPORT BLVD.
YALE EAST CONTROL LINE PROFILE
STA. 14+00 TO STA. 17+00

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
C.O.A. 4044.91	M-15&16	6-3	

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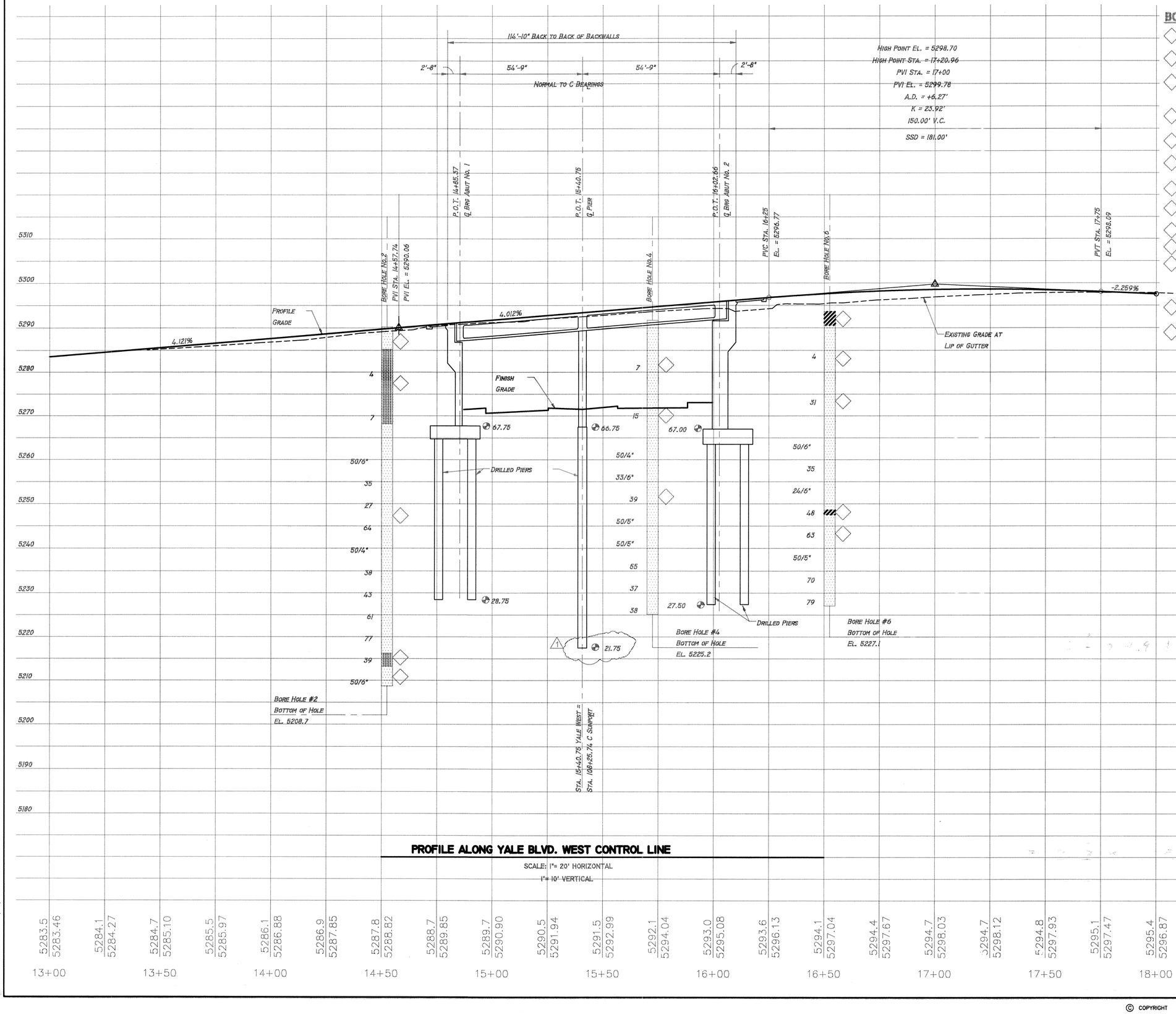

PROFILE ALONG YALE BLVD. WEST CONTROL LINE

SCALE: 1"= 20' HORIZONTAL
1"= 10' VERTICAL

BORING LEGEND

- SAND, GRAVELLY, LOOSE TO MEDIUM DENSE, NON-PLASTIC, DRY, BROWN
- SAND, SILTY WITH GRAVELS, LOOSE, NON-PLASTIC, DRY, BROWN
- SAND, CLEAN, SOME PUMICE, SOME GRAVELS, MEDIUM DENSE TO VERY DENSE, NON-PLASTIC, DRY TO MOIST, BROWN
- SAND, SILTY, FINE, DENSE, NON-PLASTIC, DRY, BROWN
- SAND, CLEAN, VERY DENSE, NON-PLASTIC, DRY, BROWN
- SAND, CLEAN, SOME GRAVELS, LOOSE, NON-PLASTIC, DRY, BROWN
- MEDIUM DENSE
- SAND, CLEAN, SOME GRAVELS, DENSE TO VERY DENSE, NON-PLASTIC, DRY, BROWN
- CLAY, SANDY, MEDIUM PLASTICITY, LIGHT BROWN
- LOOSE
- SAND, CLEAN, SOME GRAVELS, MEDIUM DENSE TO VERY DENSE, NON-PLASTIC, BROWN
- CLAY, SILTY, HARD, MEDIUM PLASTICITY, MOIST, BROWN
- SAND, CLEAN, SOME GRAVELS, VERY DENSE, NON-PLASTIC, DRY, BROWN

AS BUILT INFORMATION
CONTRACTOR
STAKED BY — DATE
INSPECTOR'S ASSISTANTS BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL

26-4044.9 1/1/6298

w m Jones P.E.

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NO.	DATE	REVISIONS / REMARKS	BY
1	10/28/98	REVISED BRIDGE PLANS	

DESIGNED BY BAS — DATE 5/28/96
DRAWN BY RV — DATE 5/28/96
CHECKED BY BAS — DATE 5/28/96

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MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

YALE BLVD. BRIDGE OVER SUNPORT BLVD.
YALE WEST CONTROL LINE PROFILE
STA. 14+00 TO STA. 17+00

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. C.O.A. 4044.91 | Zone Map No. M-15&16 | Sheet 6-4 Of

6015504.DWG AS NOTED 5/28/96

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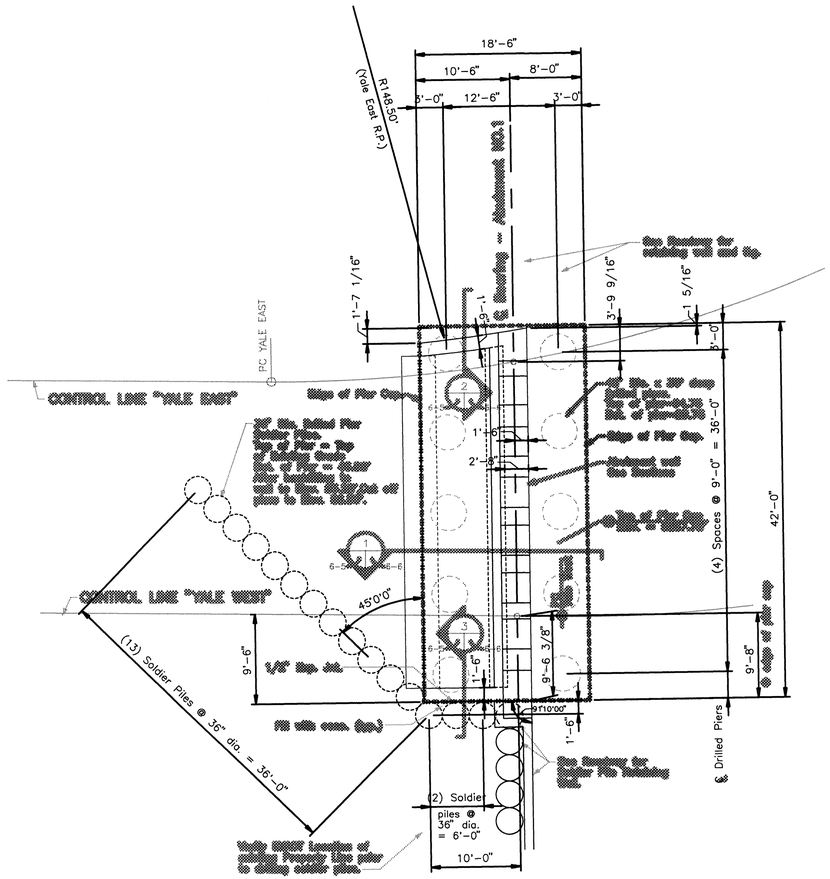
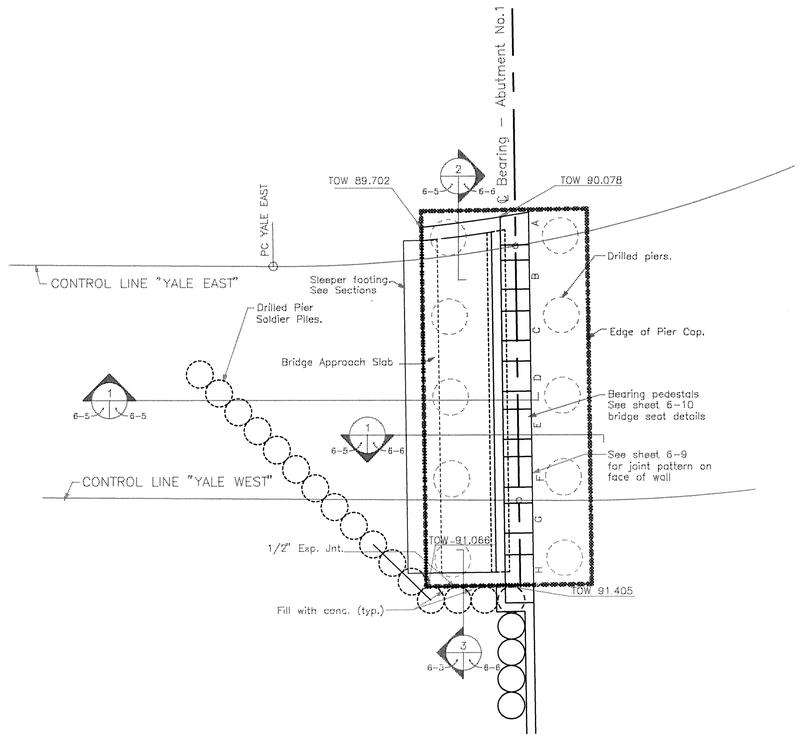


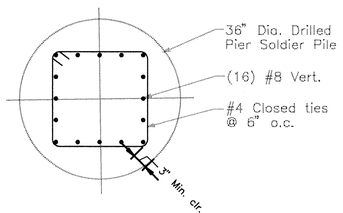
FOUNDATION PLAN ABUTMENT NO. 1

SCALE: 1/8" = 1'-0"



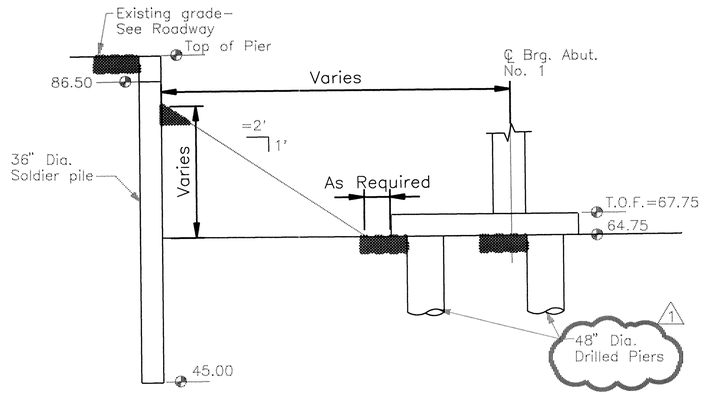
WALL PLAN ABUTMENT NO. 1

SCALE: 1/8" = 1'-0"



SOLDIER PILE SECTION

SCALE: 3/4" = 1'-0"



SECTION AT EXCAVATION

W M Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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AS BUILT INFORMATION

BENCH MARKS

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

CONTRACTOR

STAKED BY — DATE

INSPECTOR'S ACCEPTANCE BY — DATE

FIELD VERIFICATION BY — DATE

DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE

NO.

ENGINEER'S SEAL

NO.	DATE	REVISED BRIDGE PLANS REMARKS	BY
1	10/28/96	REVISIONS DESIGN	JNW

DESIGNED BY JNW — DATE 5/28/96

DRAWN BY RV — DATE 5/28/96

CHECKED BY BAS — DATE 5/28/96

BPLW ARCHITECTS & ENGINEERS, INC. 2400 LOUISIANA N.E. AFC-5, SUITE 400 ALBUQUERQUE, NEW MEXICO 87110

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD — PHASE III

YALE BLVD. BRIDGE OVER SUNPORT BLVD.
ABUTMENT NO. 1
FOUNDATION AND WALL PLANS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
C.O.A. 4044.91	M-15&16	6-5	

2G-4044.91/10398

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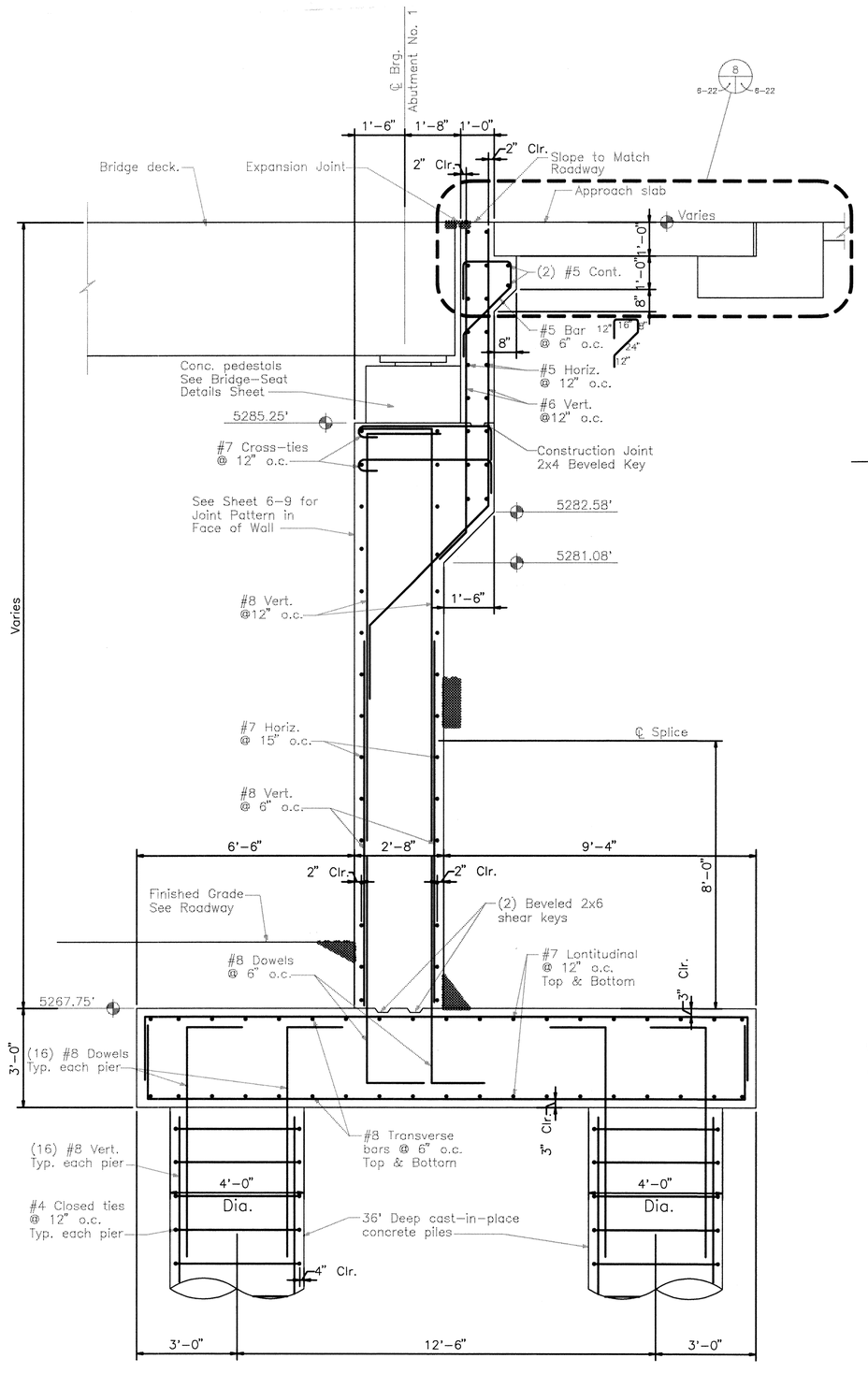
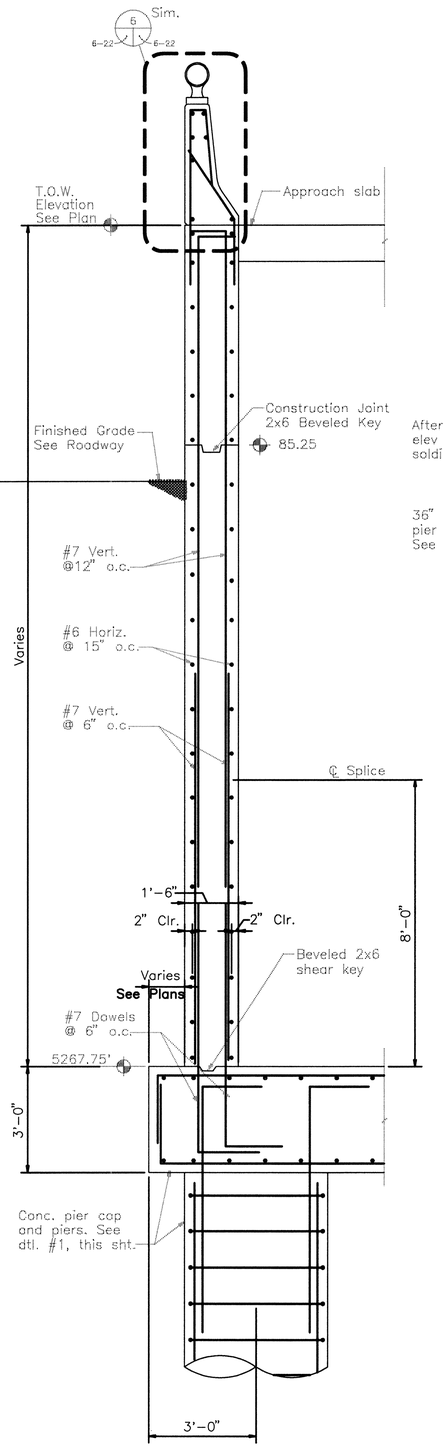
6015505.DWG 1/8=1'-0" 5/28/96



TYPICAL ABUTMENT SECTION

1 — 6-5 / 6-6

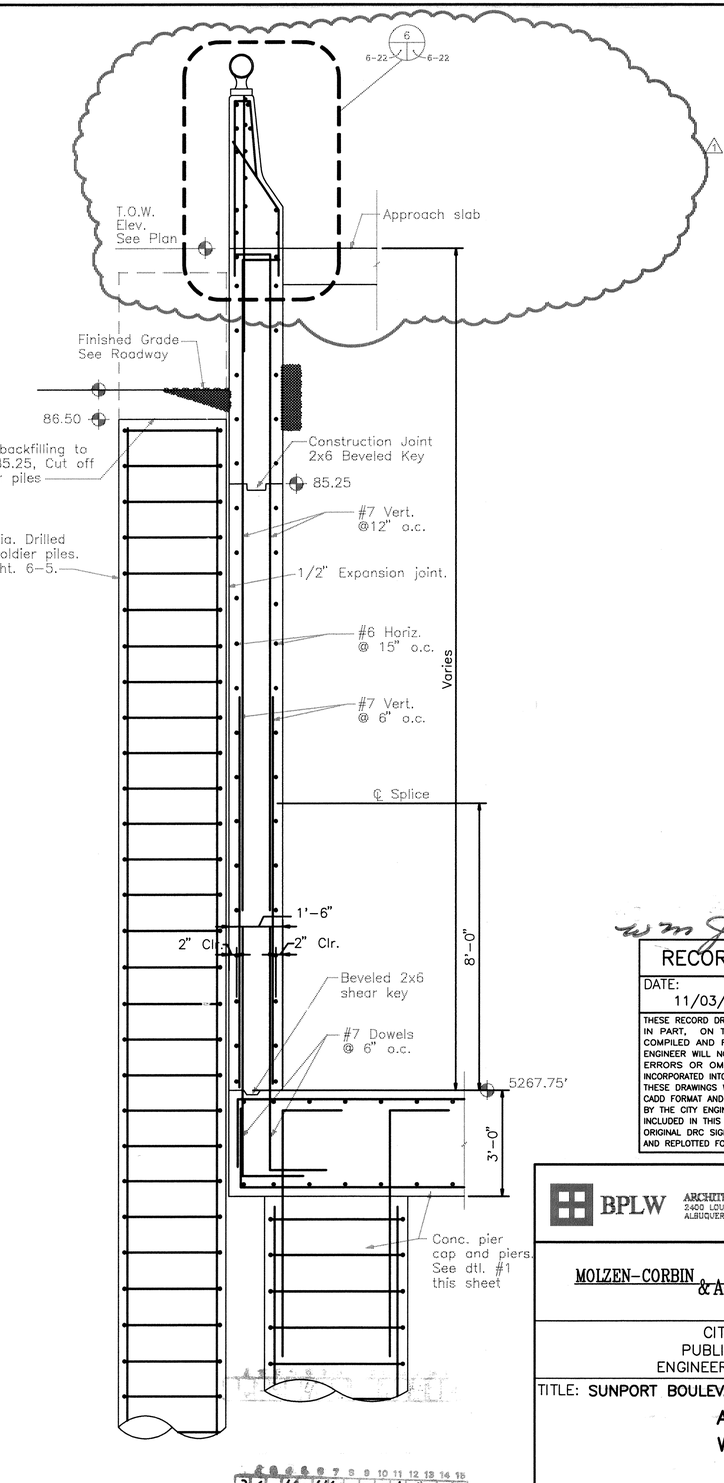
SCALE: 1/2" = 1'-0"



WING WALL SECTION

2 — 6-5 / 6-6

SCALE: 1/2" = 1'-0"



WING WALL SECTION

3 — 6-5 / 6-6

SCALE: 1/2" = 1'-0"

21C-140144, 9/11/1998

AS BUILT INFORMATION		
CONTRACTOR		
STAKED BY		DATE
INSPECTOR'S ACCEPTANCE BY		DATE
FIELD VERIFICATION BY		DATE
AS BUILTS CORRECTED BY		DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE —
NO. —

BENCH MARKS

SURVEY INFORMATION

NO.	FIELD NOTES BY	DATE

ENGINEER'S SEAL

wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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NO.	DATE	REVISIONS REMARKS	BY
1	10/28/98	REVISED BRIDGE PLANS	

DESIGNED BY	JMW	DATE	5/28/96
DRAWN BY	RCV	DATE	5/28/96
CHECKED BY	BAS	DATE	5/28/96

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ALBUQUERQUE, NEW MEXICO 87110

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

ABUTMENT NO.1
WALL SECTIONS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
C.O.A. 4044.91	M-15&16	6-6	

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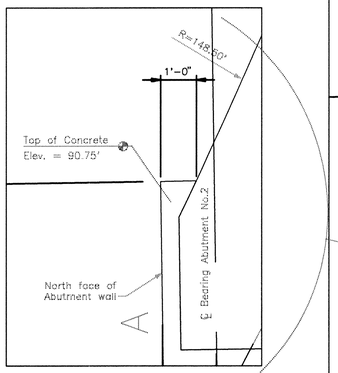
6015506.DWG 1/2"=1'-0" 8/28/96



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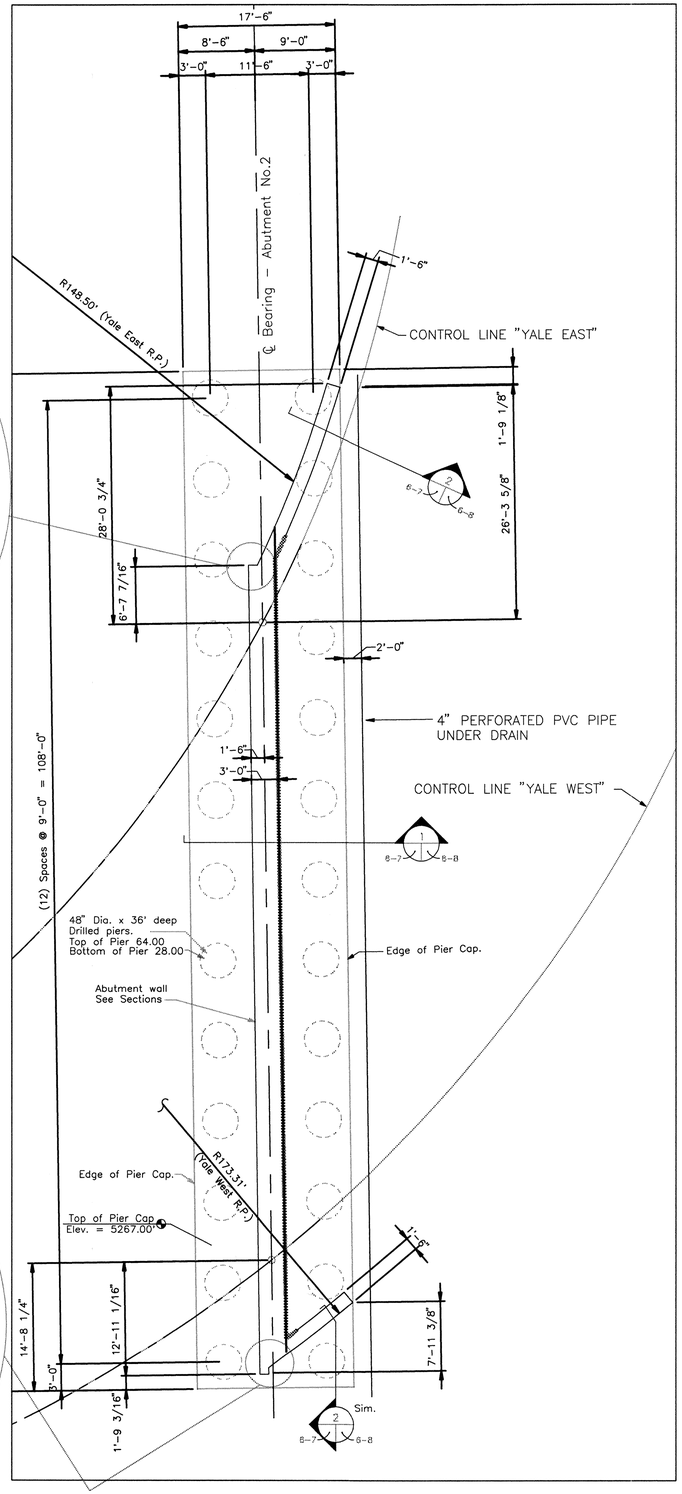
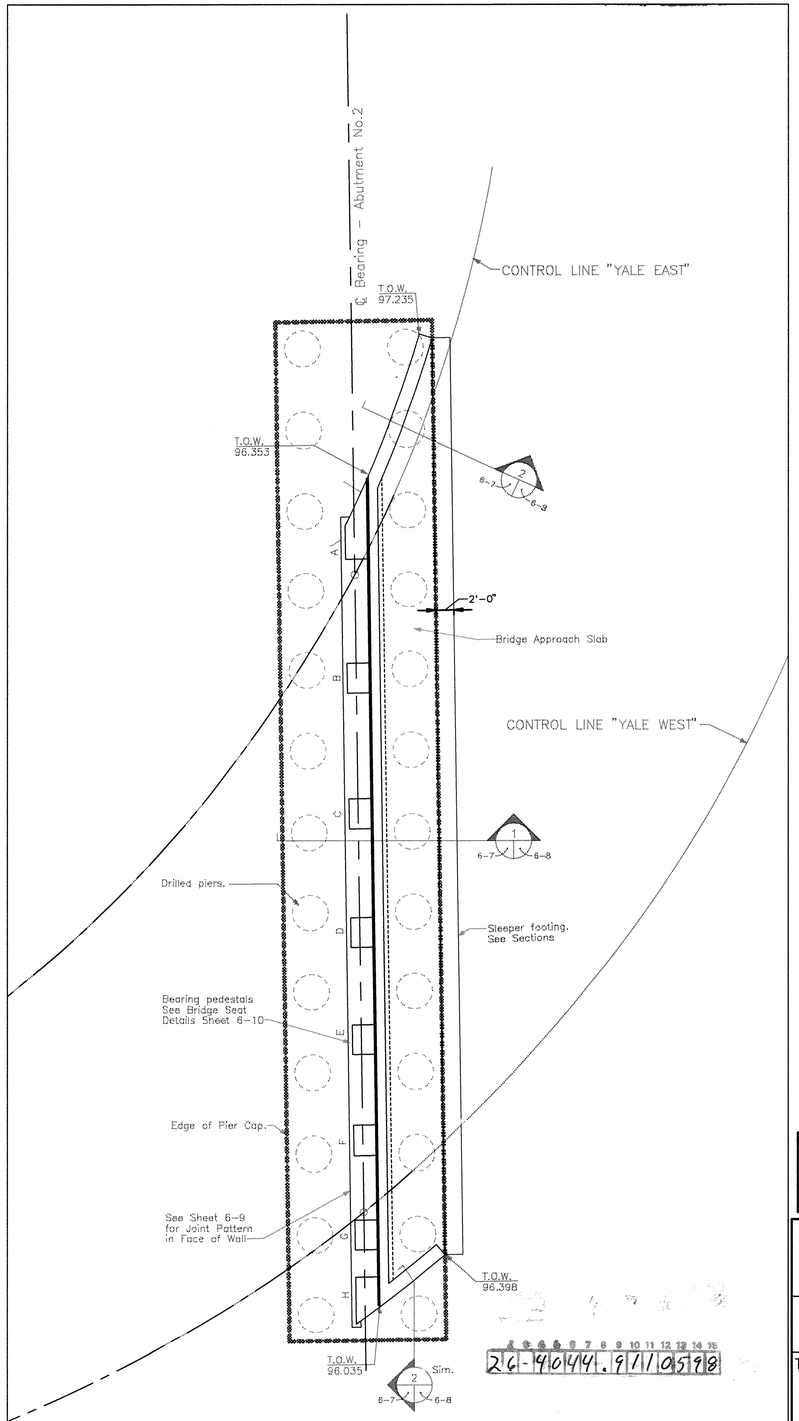
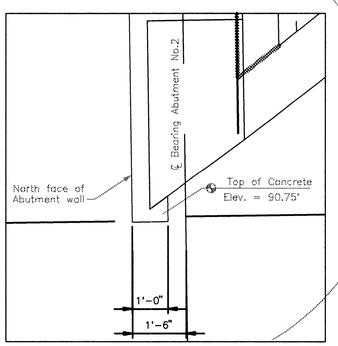


FOUNDATION PLAN
ABUTMENT NO. 2
SCALE: 1/8" = 1'-0"



WALL PLAN
ABUTMENT NO. 2
SCALE: 1/8" = 1'-0"



DETAIL
SCALE: 1/2" = 1'-0"

6015507.DWG 1/8=1'-0" 5/28/96

AS BUILT INFORMATION

CONTRACTOR
STAKED BY — DATE
INSPECTOR'S
AS-BUILTS BY — DATE
FIELD
VERIFICATION BY — DATE
WORKING
CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

BENCH MARKS

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

W. M. Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
DESIGNED BY		JNW	DATE 5/28/96
DRAWN BY		RV	DATE 5/28/96
CHECKED BY		BAS	DATE 5/28/96

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2400 LOUISIANA N.E. AFC-5, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ~~SUNPORT BOULEVARD – PHASE II~~

YALE BLVD. BRIDGE OVER SUNPORT BLVD.
ABUTMENT NO. 2
FOUNDATION AND WALL PLANS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. C.O.A. 4044.91 | Zone Map No. M-15&16 | Sheet 6-7 Of

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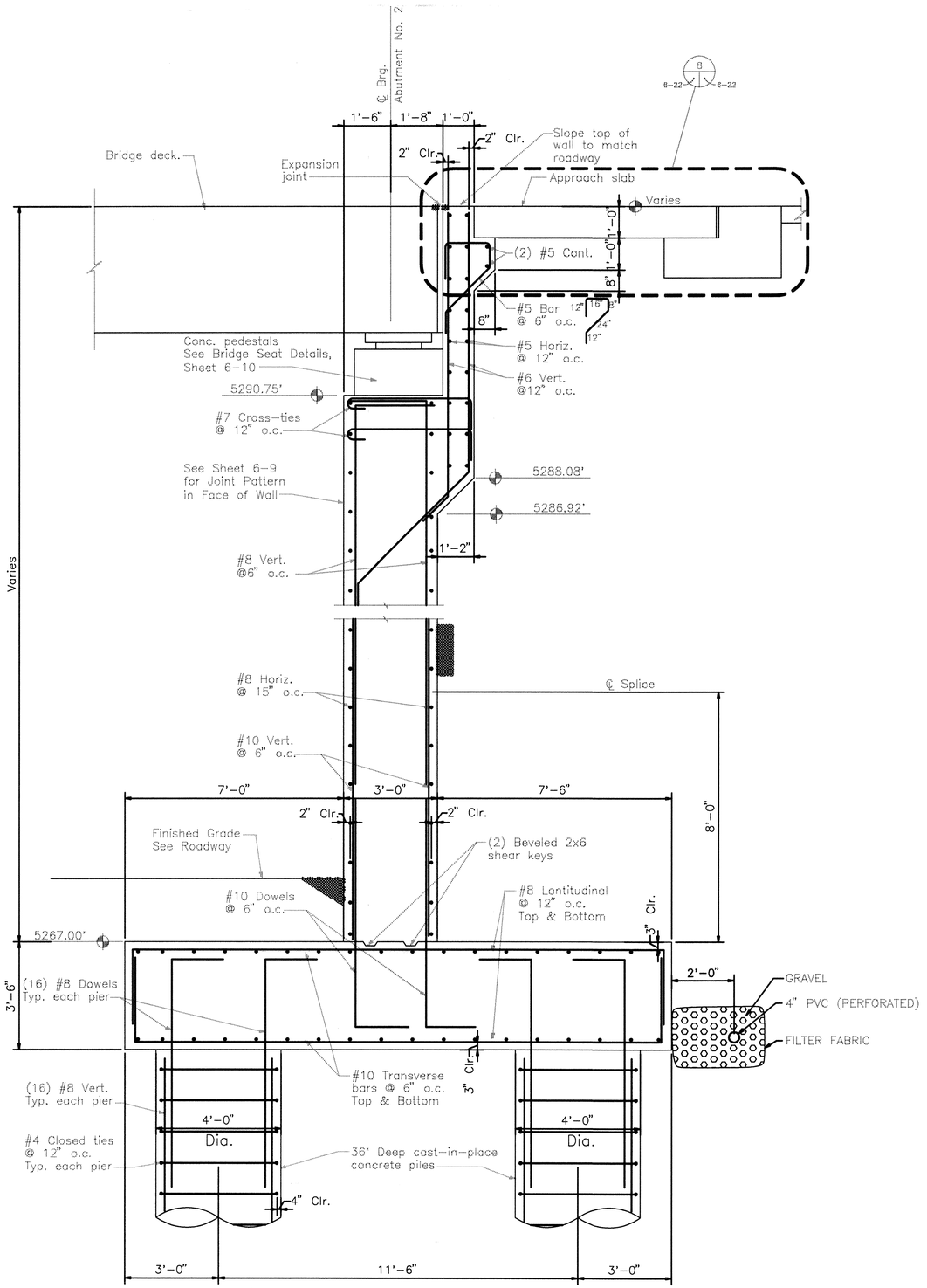
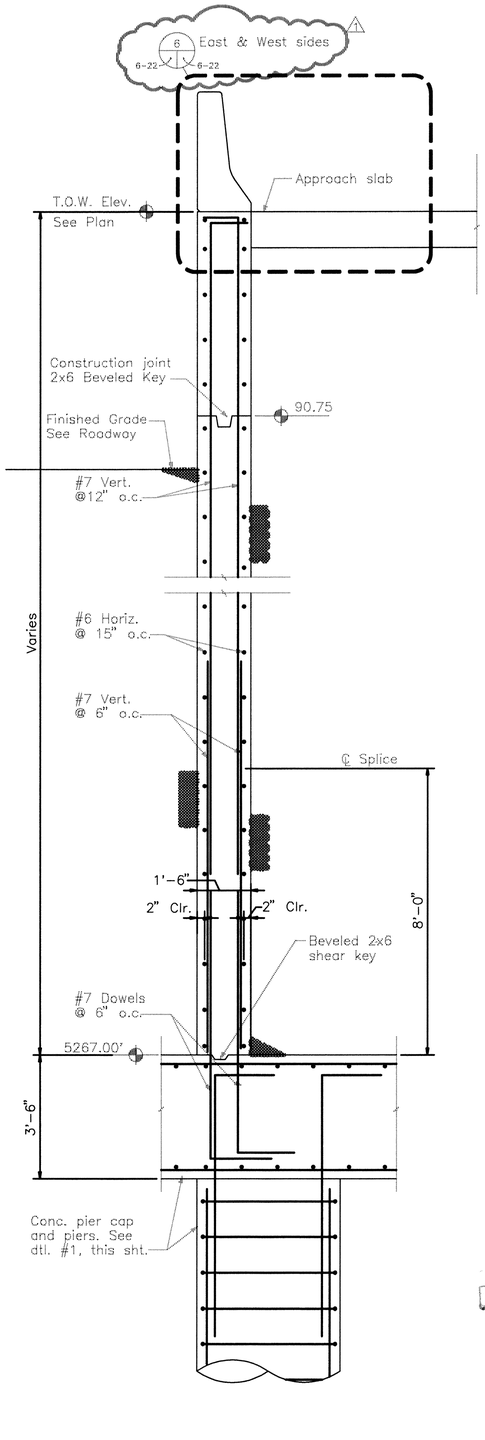


1 6-7 6-8

TYPICAL ABUTMENT SECTION

SCALE: 1/2" = 1'-0"



2 6-7 6-8

WING WALL SECTION

SCALE: 1/2" = 1'-0"

6015508.DWG 1/2"=1'-0" 7/28/96

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AS BUILT INFORMATION

CONTRACTOR
STAKED BY DATE
INSPECTOR'S
ACCEPTANCE BY DATE
FIELD
VERIFICATION BY DATE
DRAWINGS
CORRECTED BY DATE

MICRO-FILM INFORMATION

RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION

NO. FIELD NOTES BY DATE

ENGINEER'S SEAL

NO.	DATE	REVISED BRIDGE PLANS REMARKS	BY
1	10/28/96	DESIGN	
		DESIGNED BY JMW DATE 5/28/96	
		DRAWN BY RCV DATE 5/28/96	
		CHECKED BY BAS DATE 5/28/96	

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

ABUTMENT NO.2
WALL SECTIONS

26-4044.91 1 1 01 6 F 8

wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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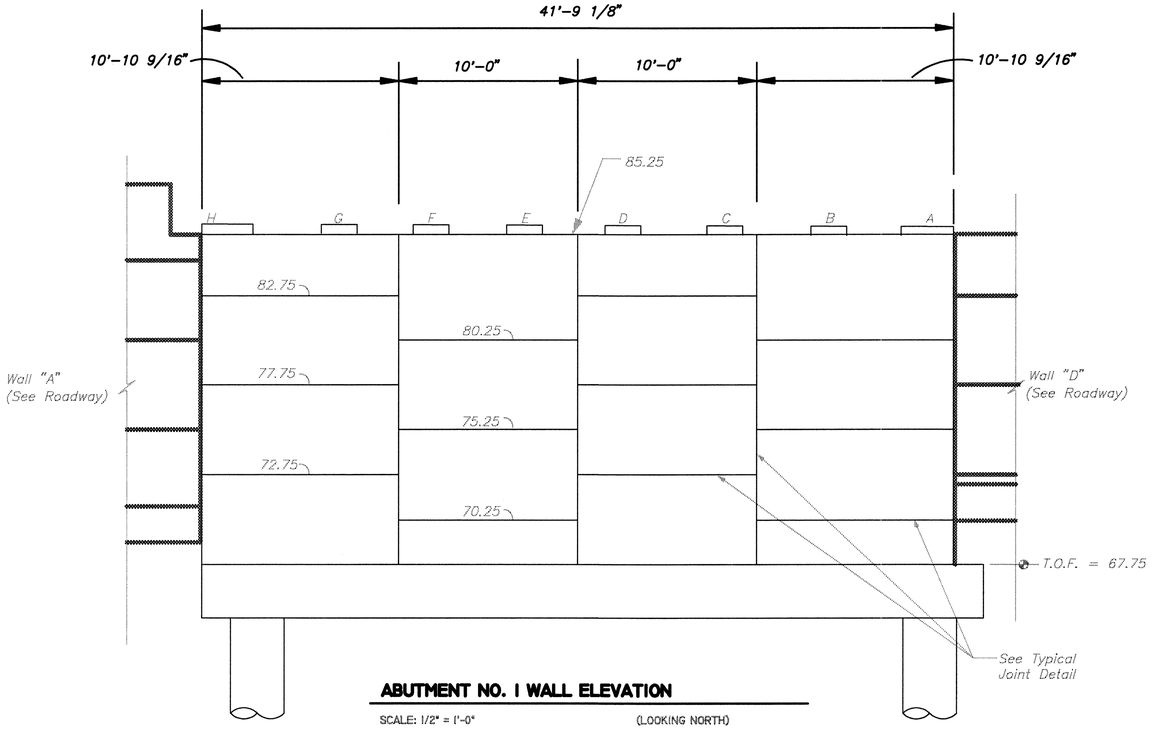
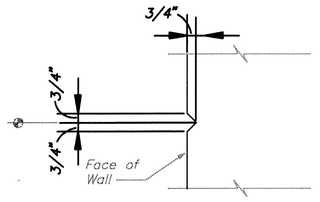
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
C.O.A. 4044.91	M-15&16	6-8	

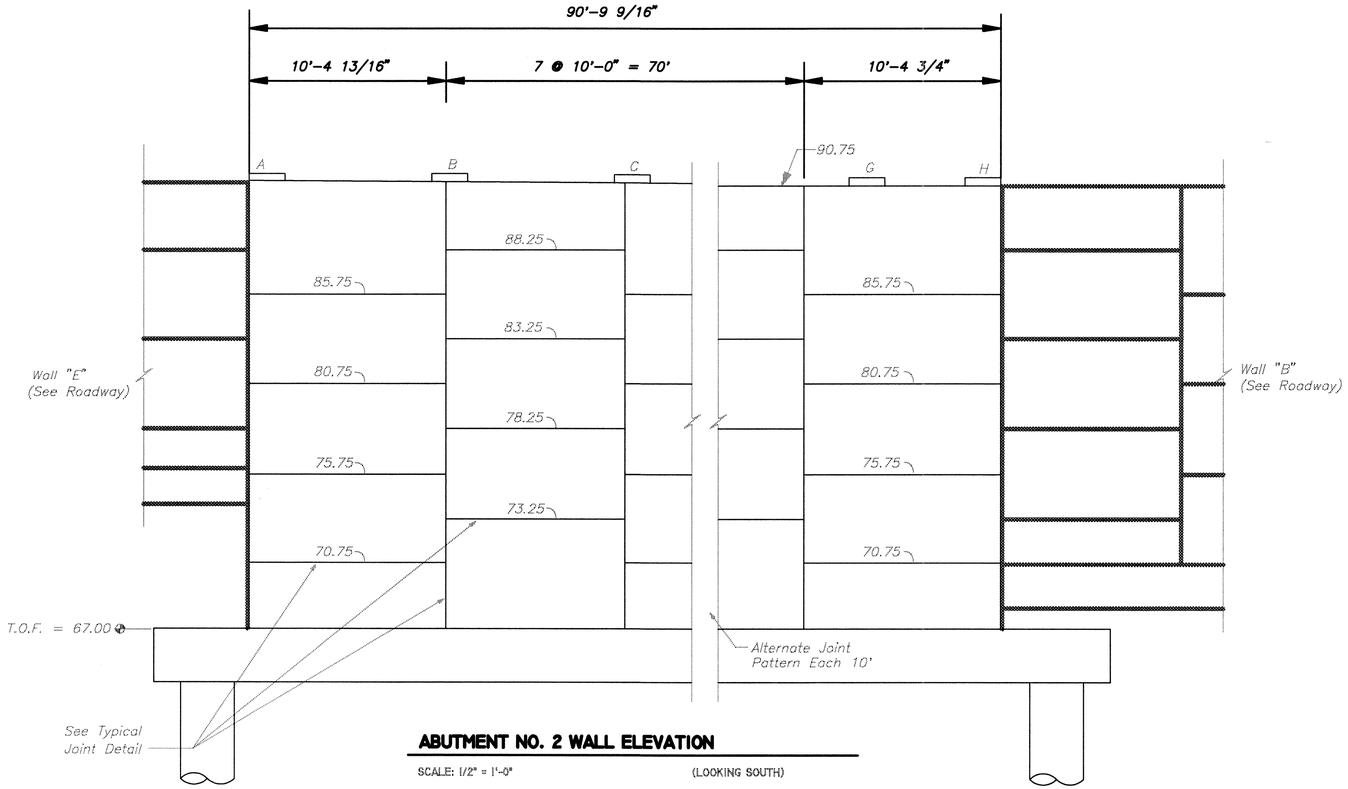


ABUTMENT NO. 1 WALL ELEVATION

SCALE: 1/2" = 1'-0" (LOOKING NORTH)



TYPICAL JOINT DETAIL



ABUTMENT NO. 2 WALL ELEVATION

SCALE: 1/2" = 1'-0" (LOOKING SOUTH)

AS NOTED5/28/96

6015509.DWG

AS BUILT INFORMATION

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

CONTRACTOR
STAKED BY — DATE
INSPECTOR'S
ASSISTANCE BY — DATE
FIELD
VERIFICATION BY — DATE
MICRO-FILM
CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

REVISIONS

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY	JMW
	5/28/96	DRAWN BY	RCV
	5/28/96	CHECKED BY	BAS
	5/28/96		

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MOLZEN-CORBIN & Associates

2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-4644.91 10798

W M Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

YALE BLVD. BRIDGE OVER SUNPORT BLVD.
ABUTMENT WALL ELEVATIONS AND DETAILS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
C.O.A. 4044.91	M-15&16	6-9	

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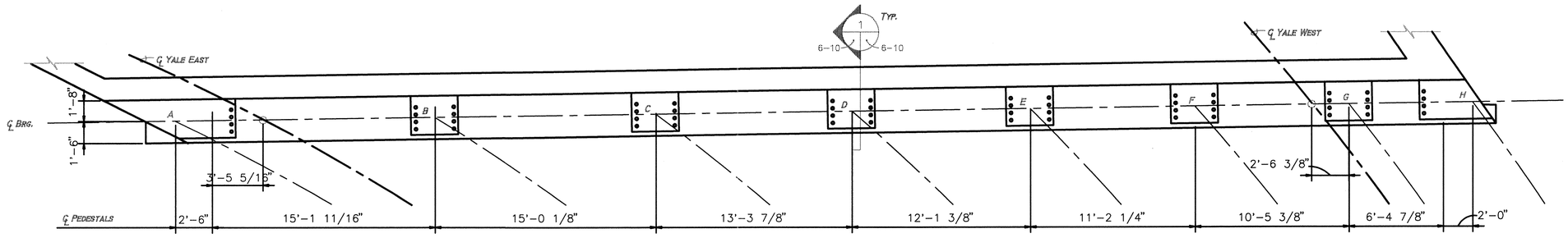
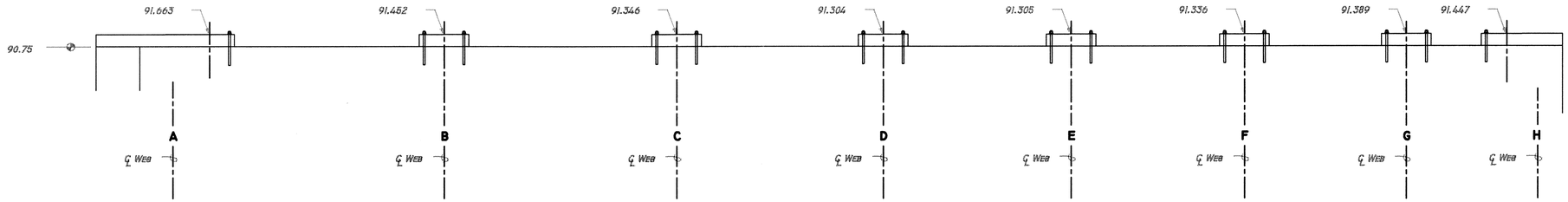


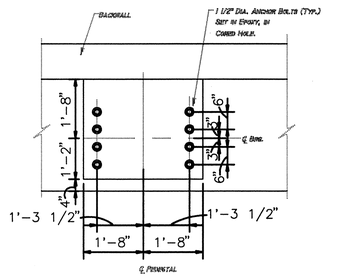
BRIDGE SEAT PLAN - ABUTMENT NO.2

SCALE: 1/2" = 1'-0"

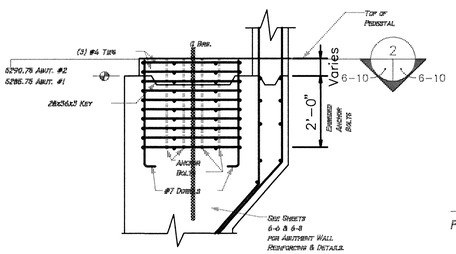


ELEVATION - ABUTMENT NO.2 (LOOKING SOUTH)

SCALE: 1/2" = 1'-0"



TYPICAL ANCHOR BOLT LAYOUT



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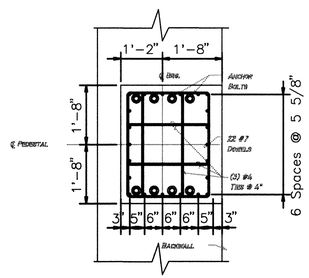
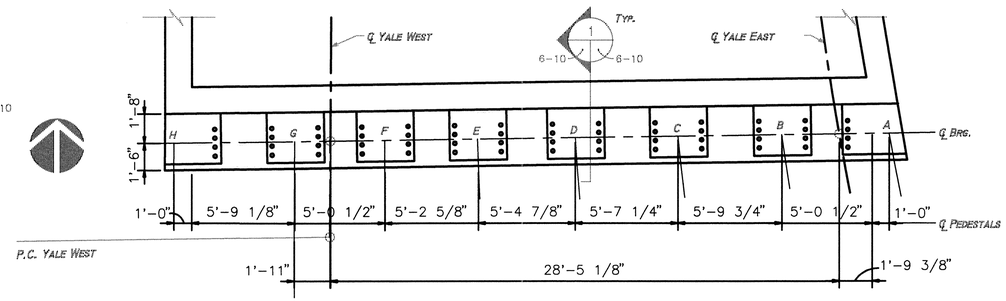
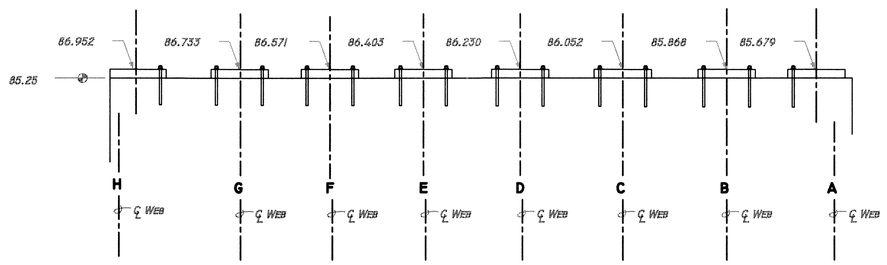


PLAN
TYPICAL PEDESTAL REINFORCING



BRIDGE SEAT PLAN - ABUTMENT NO.1

SCALE: 1/2" = 1'-0"



ELEVATION ● ABUTMENT NO.1 (LOOKING NORTH)

SCALE: 1/2" = 1'-0"

AS BUILT INFORMATION	
CONTRACTOR	
STAKED BY	DATE
INSPECTOR'S AS-BUILTS BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

SURVEY INFORMATION			
NO.	FIELD NOTES BY	DATE	

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY BAS	DATE 5/28/96
		DRAWN BY RCV	DATE 5/28/96
		CHECKED BY BAS	DATE 5/28/96

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ALBUQUERQUE, NEW MEXICO 87110

MOLZEN-CORBIN & Associates

26-4044.91/10898

W M Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

YALE BLVD. BRIDGE OVER SUNPORT BLVD.
BRIDGE SEAT DETAILS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
C.O.A. 4044.91	M-15&16	6-10	

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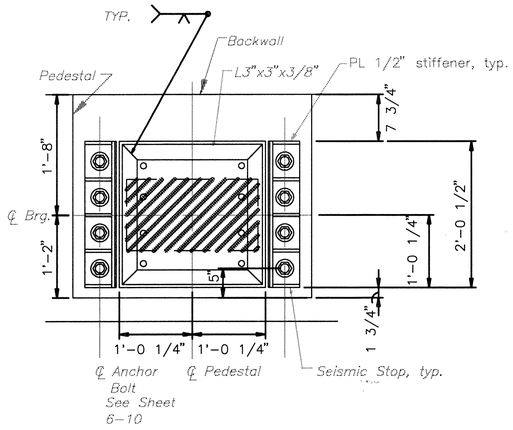
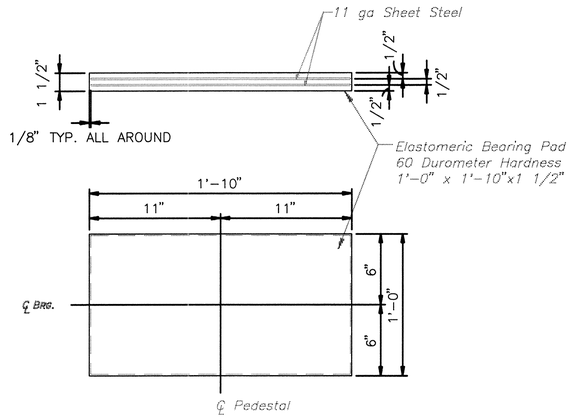
60155I0.DWG XX-XX 5/28/96



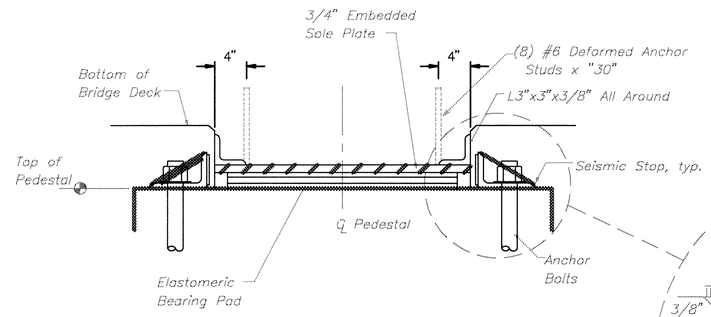
PLAN SECTION



ELASTOMERIC BEARING PAD DETAIL

GENERAL NOTES:

1. *Following Completion of the Post-Tensioning of the Bridge, the Seismic Stops Can Be Installed On the Anchor Bolts. Install Shims as Noted to Achieve the Specified Gap Between the Angle & the embedded Sole Plate. Use a Gage Plate of the Specified Thickness to Insure All the Gaps at Each Abutment Are Identical.*
2. *Bottom Surfaces of Embedded Sole Plates Shall Be Flat Within 0.030 Inches Total Indicator Reading. Surface Finish Shall Be ANSI 1000 or Better. The Plate Thickness is the Finished Thickness.*
3. *If Machining Processes are Used to Achieve the Required Flatness Tolerances of the Sole Plates. The Direction of Machining on the Surface to be in Contact With the Elastomeric Pad Shall Be Perpendicular to the Longitudinal Axis of the Beams.*



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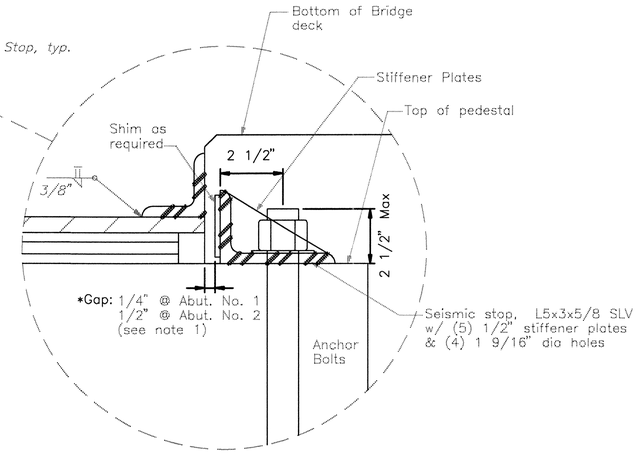

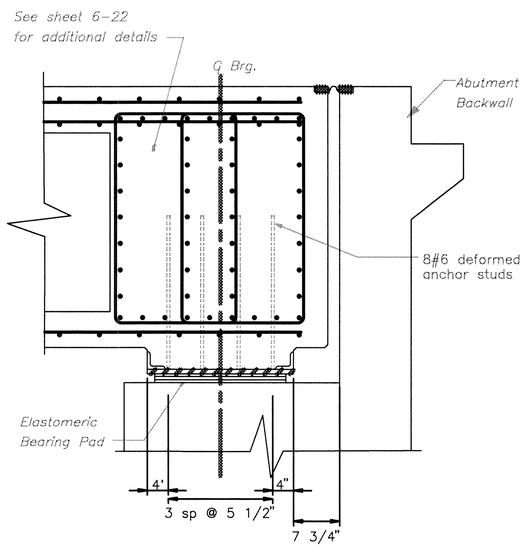

SECTION

AS BUILT INFORMATION
CONTRACTOR — DATE
SURVEYED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWING CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY BAS	DATE 5/28/96
		DRAWN BY RV	DATE 5/28/96
		CHECKED BY BAS	DATE 5/28/96

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ALBUQUERQUE, NEW MEXICO 87110

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

YALE BLVD. BRIDGE OVER SUNPORT BLVD. BEARINGS, PLANS & DETAILS

2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-4044.91 | 09/98

wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
C.O.A. 4044.91	M-15&16	6-11	

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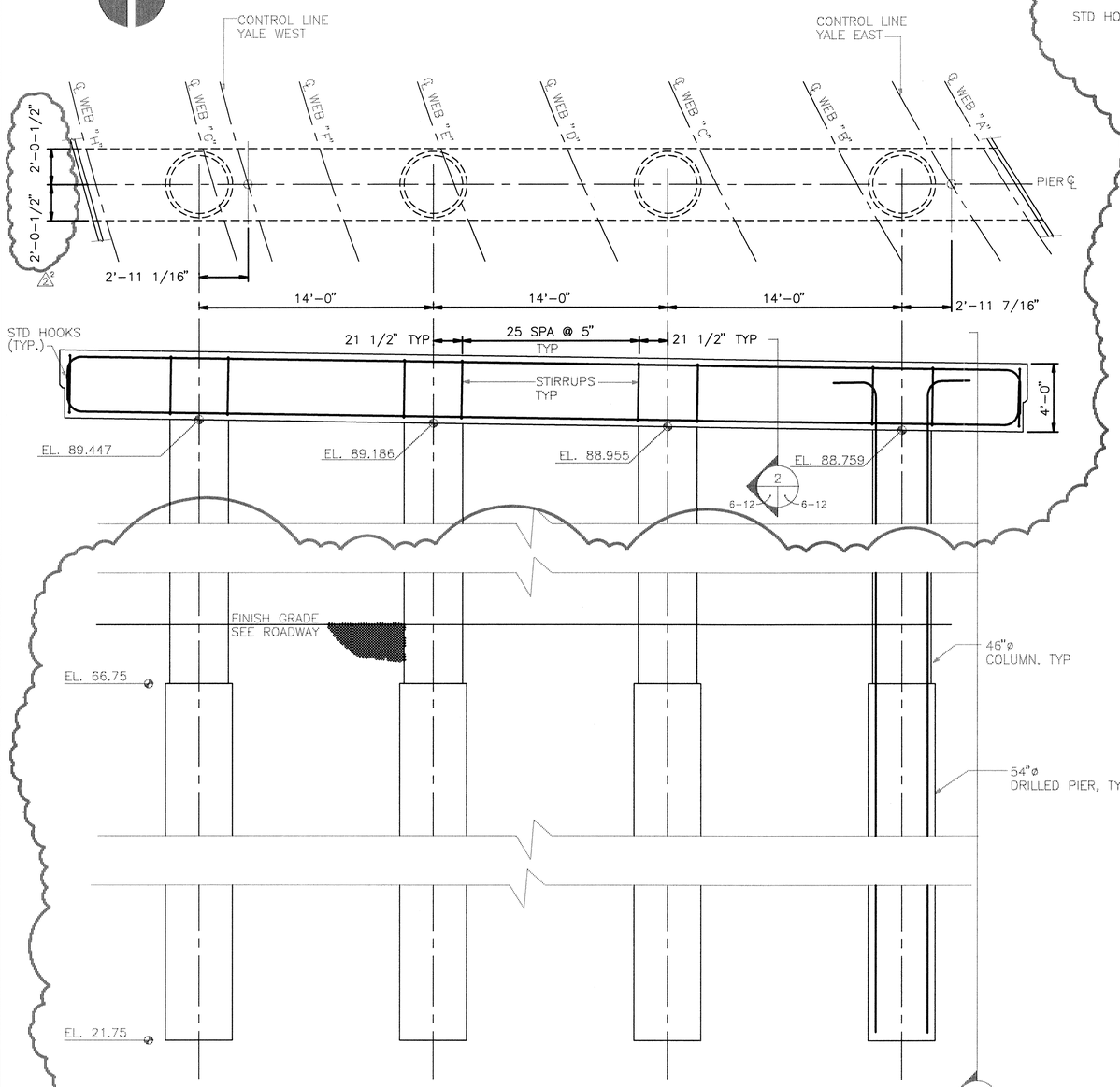
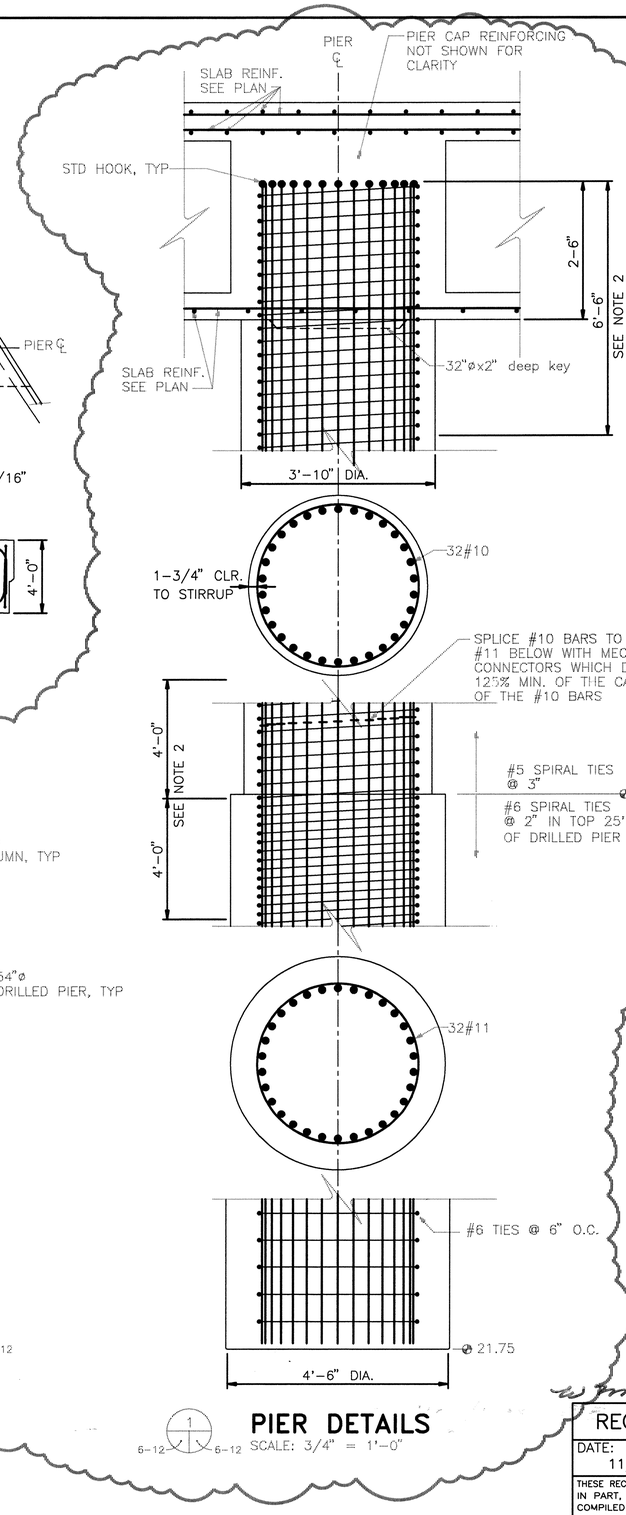
6015S11.DWG XX=XX 5/28/96

SEE SHEETS 6-18 THRU 6-21 FOR WEB REINFORCING PASSING THROUGH PIER CAP.



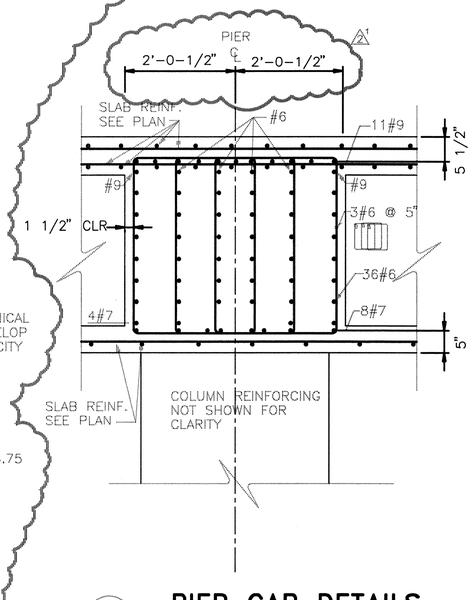
PIER PLAN & ELEVATION

SCALE: 1/4" = 1'-0"



PIER DETAILS

SCALE: 3/4" = 1'-0"



PIER CAP DETAILS

SCALE: 3/4" = 1'-0"

GENERAL NOTES:

1. ALL DRILLED PIERS SHALL BE TESTED & CERTIFIED USING THE CROSS HOLE, SONIC TEST METHOD IN ACCORDANCE WITH THE NMSHTD STANDARD TESTING PROCEDURES.
2. SPIRAL REINFORCEMENT IN AREA SHOWN SHALL BE CONNECTED WITH MECHANICAL CONNECTORS WHICH DEVELOP 100% OF THE CAPACITY OF THE SPIRAL BAR. LAPPING OF SPIRAL REINFORCING IN THIS AREA IS NOT PERMITTED.

AS BUILT INFORMATION		
CONTRACTOR		
STAKED BY		DATE
INSPECTOR'S (CUTSHEETS) BY		DATE
FIELD VERIFICATION BY		DATE
DRAWINGS CORRECTED BY		DATE

BENCH MARKS		
MICRO-FILM INFORMATION		
RECORDED BY		DATE
NO.		

SURVEY INFORMATION FIELD NOTES		
NO.	BY	DATE

ENGINEER'S SEAL

REVISIONS			
NO.	DATE	REMARKS	BY
1	1/24/97	REVISED DIMENSIONS	
2	10/7/96	NEW PIERS & COLUMNS	
DESIGN			
DESIGNED BY	BAS	DATE	5/28/96
DRAWN BY	SJB	DATE	5/28/96
CHECKED BY	BAS	DATE	5/28/96

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2c-4044.91/1/1098

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ALBUQUERQUE, NEW MEXICO 87110

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD - PHASE II

YALE BLVD. BRIDGE OVER SUNPORT BLVD. PIER PLAN, ELEVATION, & DETAILS

RECORD DRAWING	
DATE: 11/03/97	DRAFTED BY: O.V.

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Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
C.O.A. 4044.91	M-15&16	6-12	

6015512.DWG AS NOTED 5/28/96

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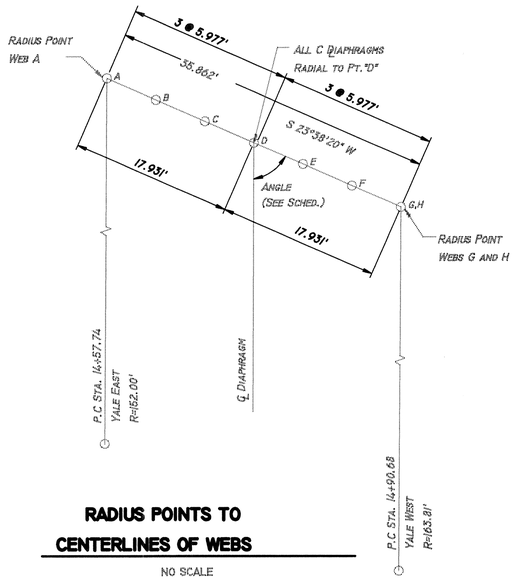
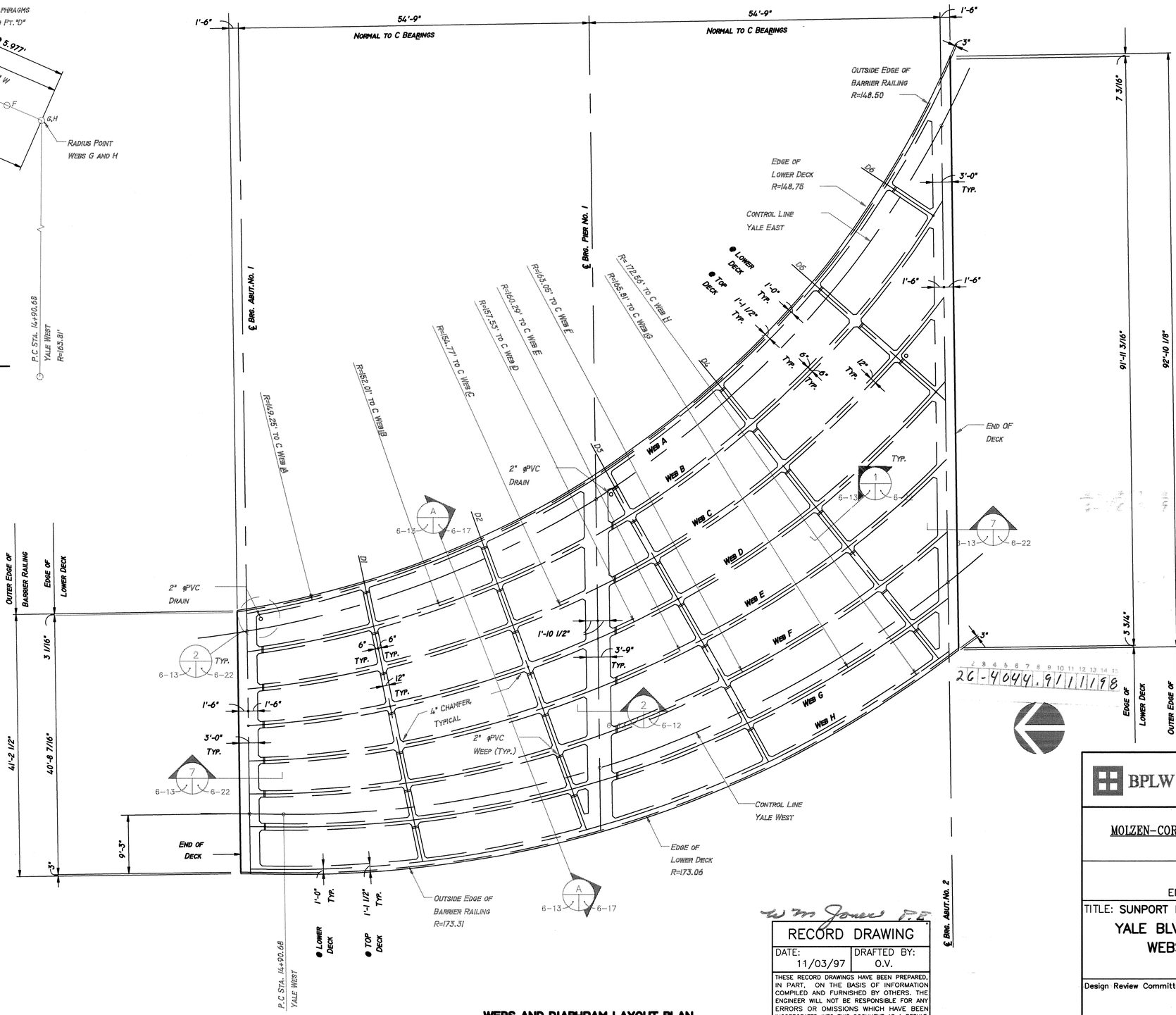


RADIUS POINTS TO CENTERLINES OF WEBS

NO SCALE

DIAPHRAGM	ANGLE
D1	54 °56'-52.6 "
D2	46 °28'-48.4 "
D3	36 °53'-59.0 "
D4	27 °39'-56.9 "
D5	18 °16'-44.8 "
D6	9 °51'-31.7 "



WEBS AND DIAPHRAM LAYOUT PLAN

SCALE: 1/8"=1'-0"

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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AS BUILT INFORMATION

BENCH MARKS

NO.	DATE	BY

SURVEY INFORMATION

FIELD NOTES

NO.	DATE	BY

ENGINEER'S SEAL

CONTRACTOR
STAKED BY — DATE
INSPECTOR'S AS-STAKES BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

REVISIONS

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY BAS	DATE 5/28/96
		DRAWN BY RV	DATE 5/28/96
		CHECKED BY BAS	DATE 5/28/96

BPLW ARCHITECTS & ENGINEERS, INC.
2400 LOUISIANA N.E. AFC-5, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

YALE BLVD. BRIDGE OVER SUNPORT BLVD. WEBS & DIAPHRAM LAYOUT PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. C.O.A. 4044.91 | Zone Map No. M-15&16 | Sheet 6-13 Of

26-4044.91 1 1 1 98

601551 3.DWG 1/8"=1'-0" 7/28/96

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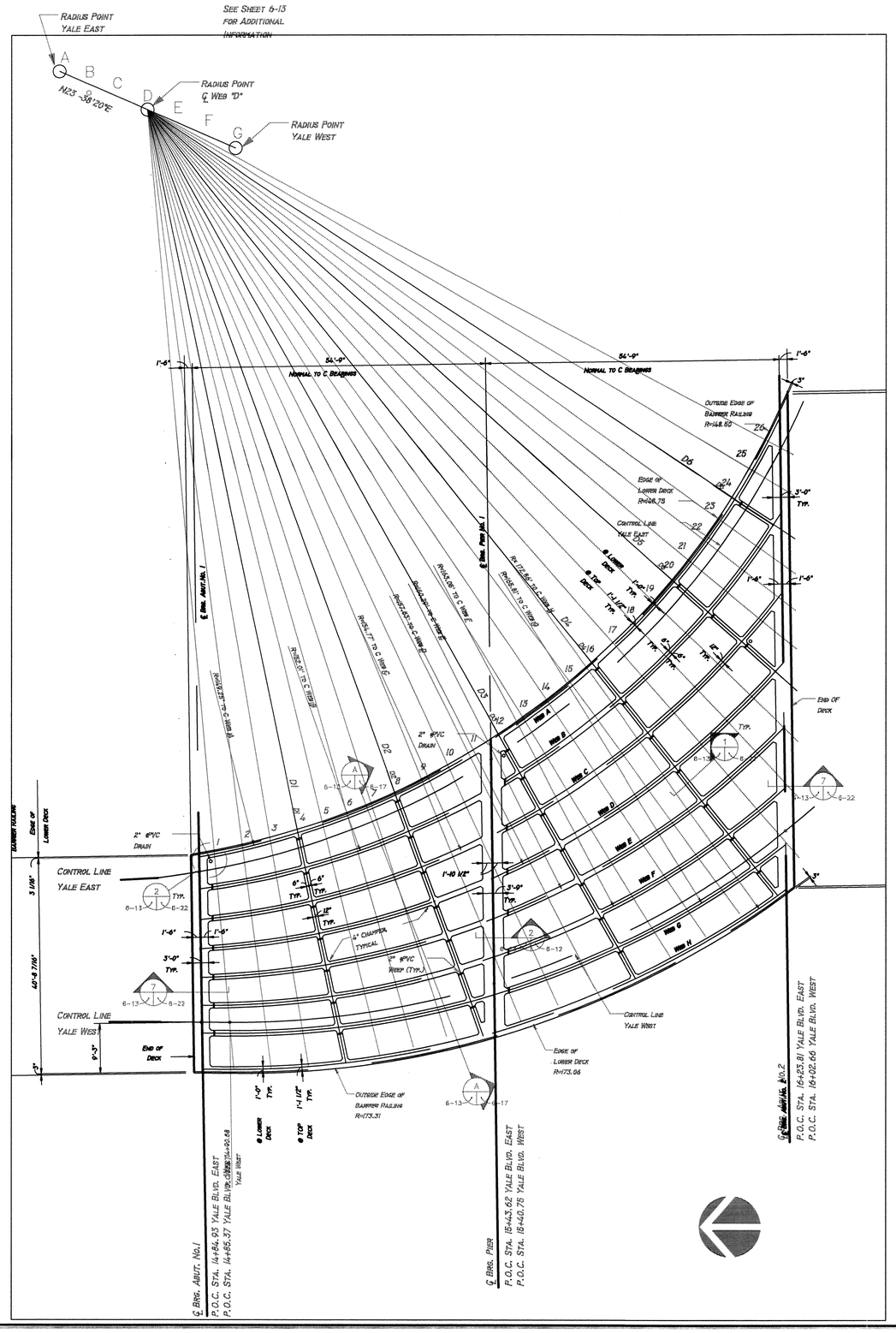
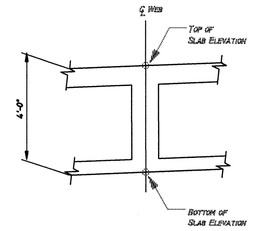


℄ WEB

			A	B	C	D	E	F	G	H
		RADIUS	149.25'	152.01'	154.77'	157.53'	160.29'	163.05'	165.81'	172.56'
	BEARING OF LINE									
℄ BRG. ABUT. #1		ELEV.	90.179'	90.368'	90.552'	90.730'	90.903'	91.071'	91.233'	91.452'
		DEFL.	0.000'	0.000'	0.000'	0.000'	0.000'	0.000'	0.000'	0.000'
LINE 1	N84 -21'-15.8"E	ELEV.	90.356'	90.563'	90.764'	90.958'	91.147	91.330'	91.508'	91.737'
		DEFL.	0.002'	.002'	.002'	.002	.003'	.004	.005	.006'
LINE 2	N82 -19'-14.9"E	ELEV.	90.569'	90.781'	90.987'	91.187'	91.381'	91.570'	91.754'	91.982'
		DEFL.	.004'	.004'	.004'	.005'	.005'	.006'	.008	.010'
LINE 3	N80 -17'-13.6"E	ELEV.	90.780'	90.998'	91.209'	91.415'	91.615'	91.811'	92.001'	92.229'
		DEFL.	.006'	.006'	.006'	.006'	.006'	.008'	.009'	.012'
LINE 4 (D1)	N78 -15'-12.6"E	ELEV.	90.991'	91.214'	91.431'	91.643'	91.850'	92.052'	92.249'	92.477'
		DEFL.	.007'	.006'	.006'	.006'	.007'	.008'	.009'	.012'
LINE 5	N76 -13'-11.6"E	ELEV.	91.201'	91.429'	91.653'	91.871'	92.085'	92.293'	92.498'	92.727'
		DEFL.	.007'	.007'	.006'	.006'	.006'	.007'	.008'	.010'
LINE 6	N74 -11'-10.3"E	ELEV.	91.409'	91.644'	91.874'	92.099'	92.320'	92.536'	92.747'	92.977'
		DEFL.	.007'	.006'	.005'	.005'	.005'	.005'	.006'	.008'
LINE 7	N72 -09'-09.4"E	ELEV.	91.617'	91.859'	92.095'	92.327'	92.555'	92.778'	92.998'	93.229'
		DEFL.	.006'	.005'	.004'	.003'	.003'	.003'	.004'	.005'
LINE 8 (D2)	N70 -07'-08.4"E	ELEV.	91.824'	92.072'	92.316'	92.555'	92.790'	93.021'	93.249'	93.482'
		DEFL.	.005'	.004'	.003'	.002'	.002'	.002'	.002'	.004'
LINE 9	**N67 -58'-38.3"E**	ELEV.	**92.041'**	**92.297'**	**92.548'**	**92.795'**	**93.039'**	–	**93.514'**	**93.750'**
		DEFL.	.004'	.002'	.001'	.001'	.001'	–	.003'	.006'
LINE 10	N65 -50'-08.2"E	ELEV.	92.258'	92.521'	92.780'	–	93.287'	93.535'	93.780'	94.019'
		DEFL.	.003'	.001'	.001'	–	.003'	.005'	.006'	.011'
LINE 11	N63 -11'-13.6"E	ELEV.	92.524'	–	93.066'	93.332'	93.595'	93.854'	94.111'	94.353'
		DEFL.	.003'	–	.003'	.005'	.007'	.010'	.013'	.017'
LINE 12 (D3)	N60 -32'-19.0"E	ELEV.	92.789'	93.072'	93.352'	93.629'	93.903'	94.174'	94.442'	94.689'
		DEFL.	.006'	.006'	.008'	.010'	.012'	.015'	.018'	.021'
LINE 13	N58 -13'-48.4"E	ELEV.	93.019'	93.312'	93.601'	93.888'	94.171'	94.453'	94.731'	94.982'
		DEFL.	.010'	.010'	.012'	.014'	.016'	.017'	.019'	.022'
LINE 14	N55 -55'-18.1"E	ELEV.	93.248'	93.550'	93.850'	94.146'	94.440'	94.732'	95.022'	95.277'
		DEFL.	.016'	.016'	.017'	.018'	.018'	.018'	.018'	.018'
LINE 15	N53 -36'-47.5"E	ELEV.	93.477'	93.789'	94.098'	94.405'	94.710'	95.012'	95.313'	95.573'
		DEFL.	.021'	.020'	.020'	.020'	.018'	.016'	.014'	.011'
LINE 16 (D4)	N51 -18'-16.9"E	ELEV.	93.705'	94.026'	94.346'	94.663'	94.979'	95.293'	95.605'	95.870'
		DEFL.	.026'	.024'	.022'	.020'	.016'	.012'	.008'	.002'
LINE 17	N48 -57'-29.2"E	ELEV.	93.936'	94.268'	94.598'	94.926'	95.253'	95.578'	–	–
		DEFL.	.030'	.026'	.022'	.018'	.012'	.006'	–	–
LINE 18	N46 -36'-41.0"E	ELEV.	94.166'	94.508'	94.850'	95.189'	95.527'	–	–	–
		DEFL.	.032'	.027'	.021'	.014'	.007'	–	–	–
LINE 19	N44 -16'-52.9"E	ELEV.	94.395'	94.749'	95.101'	95.452'	–	–	–	–
		DEFL.	.034'	.026'	.018'	.009'	–	–	–	–
LINE 20 (D5)	N41 -55'-04.8"E	ELEV.	94.624'	94.989'	95.352'	95.710'	–	–	–	–
		DEFL.	.033'	.023'	.013'	.002'	–	–	–	–
LINE 21	N39 -48'-46.4"E	ELEV.	94.829'	95.204'	95.578'	–	–	–	–	–
		DEFL.	.032'	.019'	.007'	–	–	–	–	–
LINE 22	N37 -42'-28.1"E	ELEV.	95.034'	95.419'	–	–	–	–	–	–
		DEFL.	.029'	.014'	–	–	–	–	–	–
LINE 23	N35 -36'-10.1"E	ELEV.	95.238'	95.633'	–	–	–	–	–	–
		DEFL.	.025'	.009'	–	–	–	–	–	–
LINE 24 (D6)	N33 -29'-51.7"E	ELEV.	95.442'	95.848'	–	–	–	–	–	–
		DEFL.	.021'	.003'	–	–	–	–	–	–
LINE 25	N31 -30'-31.3"E	ELEV.	95.683'	–	–	–	–	–	–	–
		DEFL.	.014'	–	–	–	–	–	–	–
LINE 26	N28 -31'-10.9"E	ELEV.	95.923'	–	–	–	–	–	–	–
		DEFL.	.007'	–	–	–	–	–	–	–
℄ BRG. ABUT. #2		ELEV.	96.163'	95.952'	95.846'	95.804'	95.805'	95.836'	95.889'	95.947'
		DEFL.	0.000'	0.000'	0.000'	0.000'	0.000'	0.000'	0.000'	0.000'

GENERAL NOTES:

1. BOTTOM OF SLAB ELEVATION = TOP OF SLAB ELEVATION AT THE CORRESPONDING LOCATION, MINUS 4'-0".
2. "DEFL" IS THE DEADLOAD DEFLECTION DUE TO THE WEIGHT OF THE SUPERSTRUCTURE, POST-TENSIONING EFFECTS, & SUPERIMPOSED DEAD LOADS. ADD THIS NUMBER TO THE CORRESPONDING BOTTOM OF SLAB ELEVATION TO SET FORMWORK.



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

26-4044.91/1298

wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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AS BUILT INFORMATION

CONTRACTOR STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

BENCH MARKS

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
DESIGNED BY	BAS	DATE	5/28/96
DRAWN BY	RV	DATE	5/28/96
CHECKED BY	BAS	DATE	5/28/96

BPLW ARCHITECTS & ENGINEERS, INC.
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MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

YALE BLVD. BRIDGE OVER SUNPORT BLVD.
TOP OF SLAB ELEVATIONS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
C.O.A. 4044.91	M-15&16	6-14	

6015S14.DWG XX=XX 5/28/96

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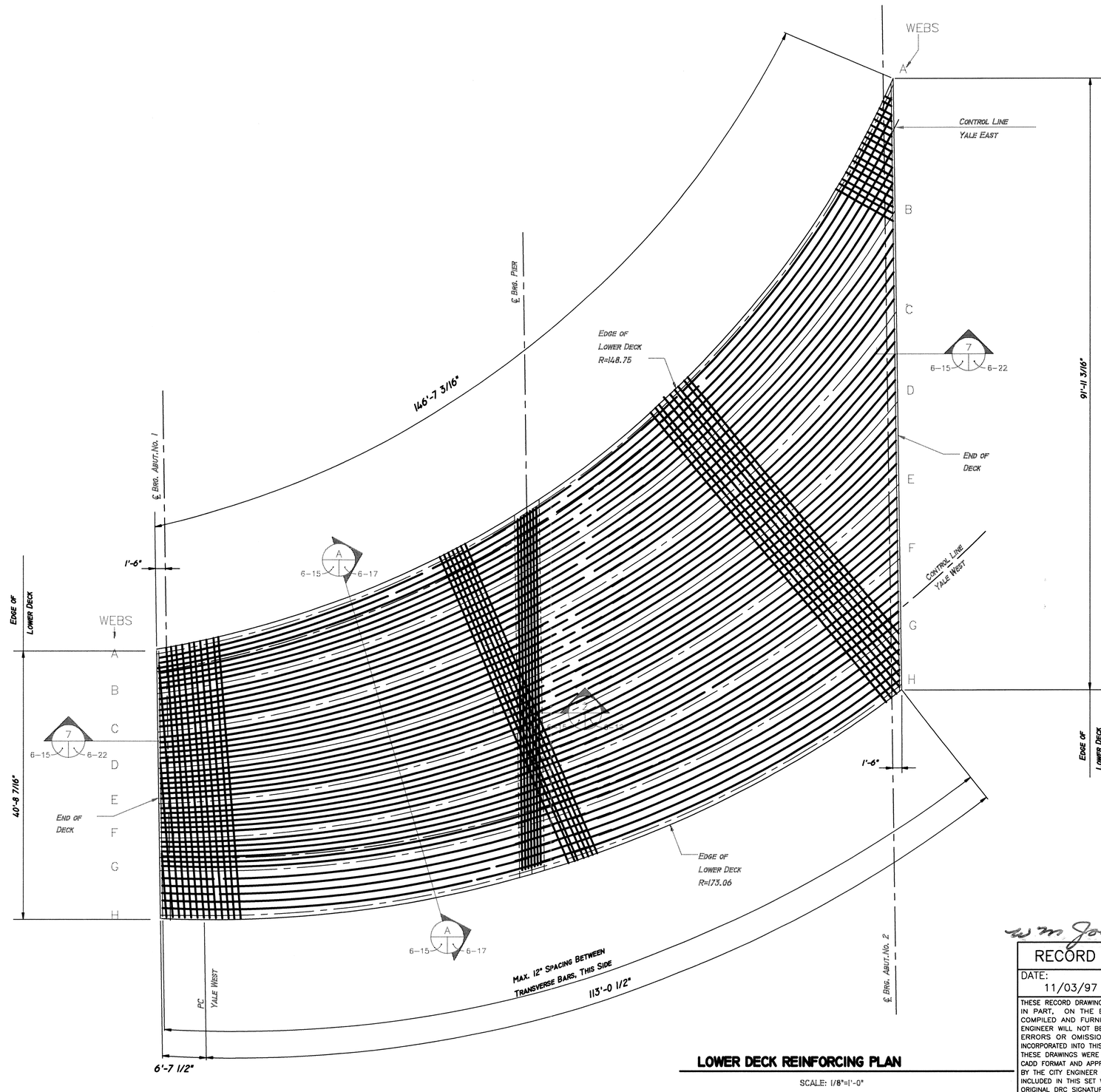

GENERAL NOTES:

1. ALL TRANSVERSE BARS ARE RADIAL TO THE RADIUS POINT FOR WEB "D", SEE SHEET 6-13.
2. MAXIMUM SPACING OF TRANSVERSE BARS IS 12".
3. STAGGER LAPS IN ADJACENT LINES OF BARS 6'-0" MINIMUM.
4. SEE SHEETS 6-17 FOR TRANSVERSE SECTION.
5. SEE SHEET 6-13 FOR LOCATION OF 2" PVC DRAINS @ IN LOWER DECK.
6. ALL LONGITUDINAL BARS ARE #6 UNLESS NOTED OTHERWISE.
7. ALL TRANSVERSE BARS ARE #5 UNLESS NOTED OTHERWISE.

LOWER DECK REINFORCING PLAN

SCALE: 1/8"=1'-0"

216-4099.9/11/1398

AS BUILT INFORMATION		
CONTRACTOR		
STAKED BY		DATE
INSPECTOR'S FIELD STAKES BY		DATE
VERIFICATION BY		DATE
WORK NOTES CORRECTED BY		DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY BAS	DATE 5/28/96
		DRAWN BY RV	DATE 5/28/96
		CHECKED BY BAS	DATE 5/28/96

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MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

YALE BLVD. BRIDGE OVER SUNPORT BLVD.
LOWER DECK REINFORCING PLAN

W. M. Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
C.O.A. 4044.91	M-15&16	6-15	

6015S15.DWG 1/8"=1'-0" 5/28/96

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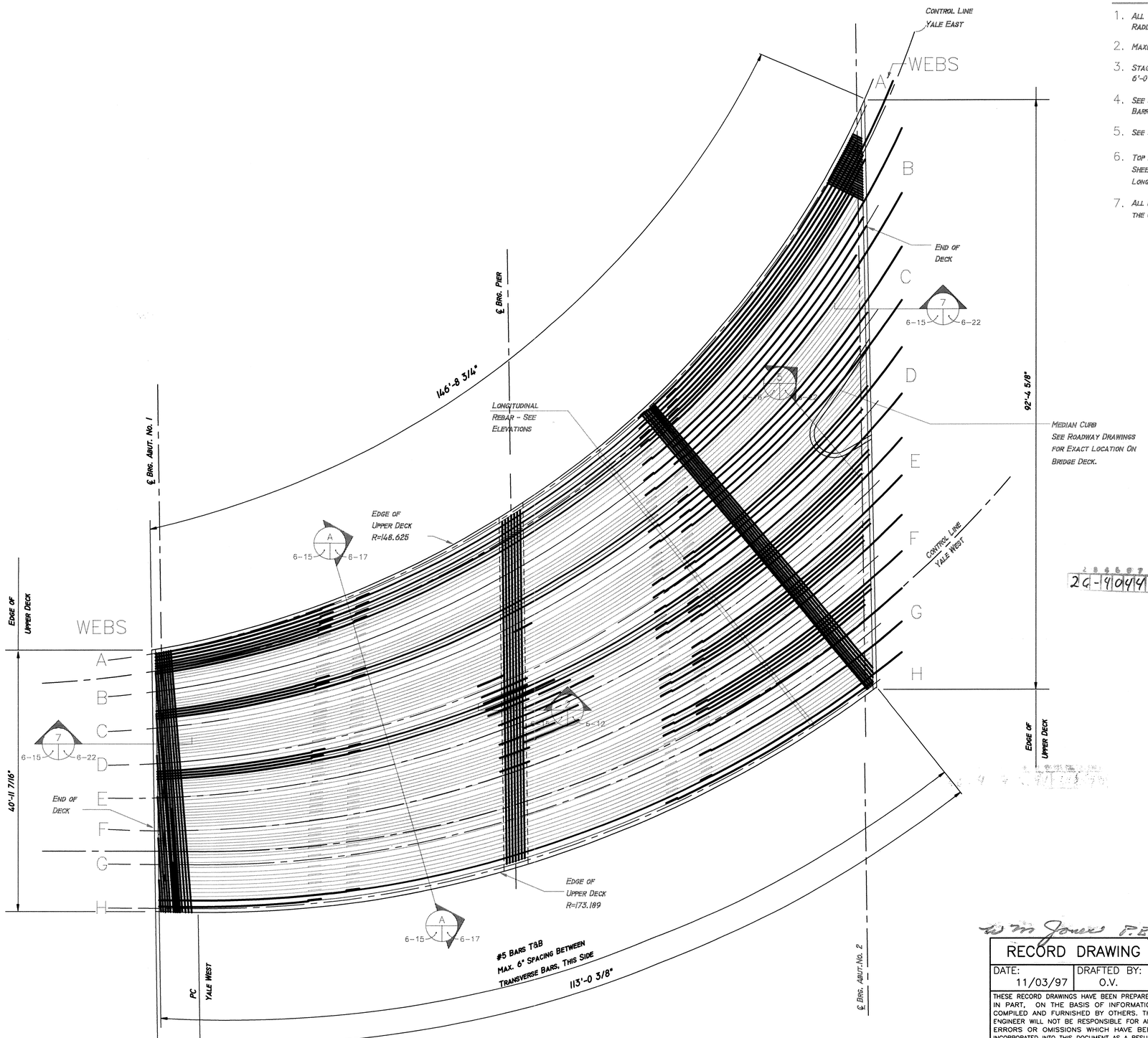

GENERAL NOTES:

1. ALL TRANSVERSE BARS ARE #5 BARS AND ARE RADIAL TO THE RADIUS POINT FOR WEB "D".
2. MAXIMUM SPACING OF TRANSVERSE BARS IS 6".
3. STAGGER LAPS IN ADJACENT BARS IN A LAYER 6'-0" MINIMUM, UNLESS NOTED OTHERWISE.
4. SEE SHEET 6-22 FOR REINFORCING IN SIDEWALK & BARRIER RAILS.
5. SEE SHEET 6-17 FOR TRANSVERSE SECTION.
6. TOP MAT OF LONGITUDINAL BARS ARE #5. SEE SHEETS 6-19 THRU 6-22 FOR BOTTOM MAT OF LONGITUDINAL BARS.
7. ALL REINFORCING BARS WITHIN, OR EXTENDING INTO, THE UPPER DECK ARE EPOXY COATED.

UPPER DECK REINFORCING PLAN

SCALE: 1/8"=1'-0"

AS BUILT INFORMATION
CONTRACTOR
STAKED BY DATE
INSPECTOR'S
AS-BUILTMARKS BY
FIELD DATE
VERIFICATION BY
DRAWINGS DATE
CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY
		DESIGN	
	DESIGNED BY	BAS	DATE 5/28/96
	DRAWN BY	RV	DATE 5/28/96
	CHECKED BY	BAS	DATE 5/28/96

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MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD - PHASE II

YALE BLVD. BRIDGE OVER SUNPORT BLVD.
TOP DECK REINFORCING PLAN

RECORD DRAWING
DATE: 11/03/97 | DRAFTED BY: O.V.

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wm Jones P.E.

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. C.O.A. 4044.91 | Zone Map No. M-15&16 | Sheet 6-16 Of

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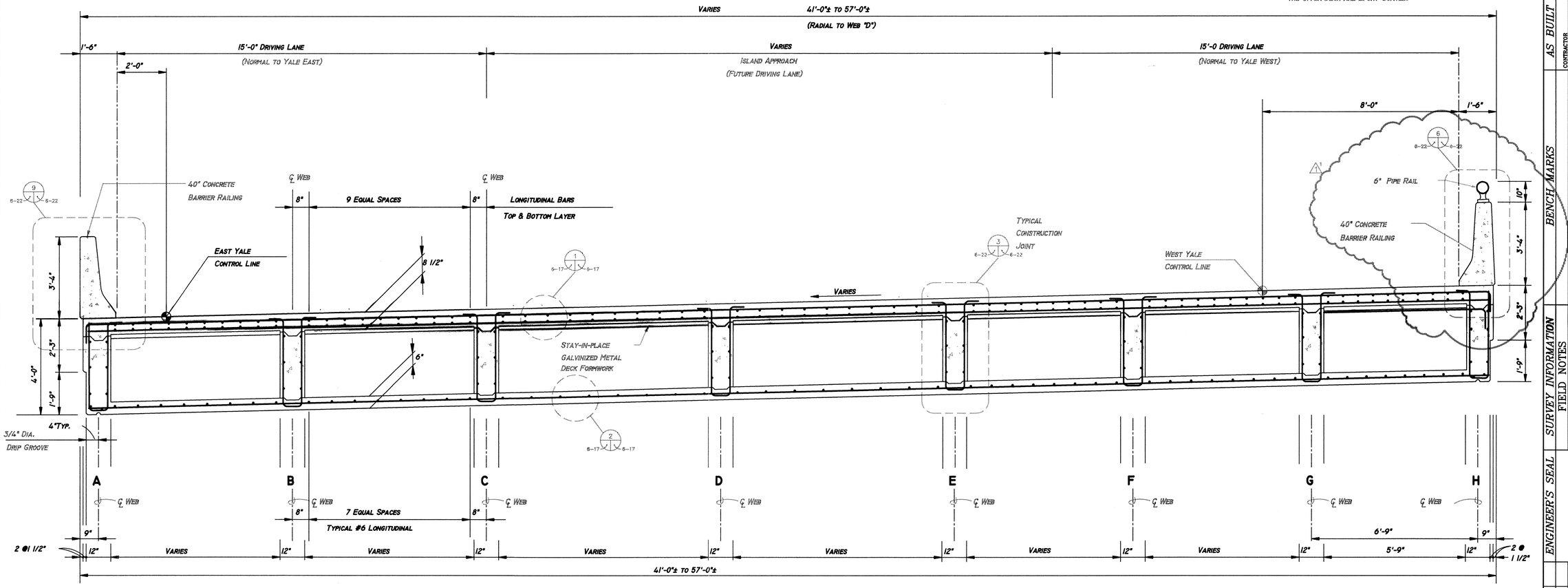
6015S16.DWG 1/8"=1'-0" 5/28/96

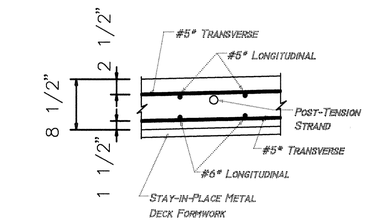
GENERAL NOTES:

1. SEE SHEETS 6-18 THROUGH 6-21 FOR LOCATION OF POST TENSION STRANDS & WEB REINFORCEMENT.
2. ALL REINFORCING BARS WITHIN, OR EXTENDING INTO, THE UPPER DECK ARE EPOXY COATED.

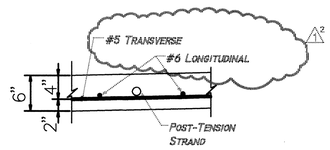


TYPICAL TRANSVERSE SECTION

SCALE: 1/2" = 1'-0"



TOP DECK REINFORCING



LOWER DECK REINFORCING

2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-4049.91 11/5/98

W. M. Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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AS BUILT INFORMATION

CONTRACTOR STAKED BY DATE
INSPECTOR'S STAKES BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE

MICRO-FILM INFORMATION

RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION

NO.	FIELD NOTES BY	DATE

ENGINEER'S SEAL

NO.	DATE	REVISED BRIDGE PLANS REMARKS	BY
1	10/28/96		

REVISIONS

DESIGN	DATE
DESIGNED BY BAS	5/28/96
DRAWN BY RV	5/28/96
CHECKED BY BAS	5/28/96

BPLW ARCHITECTS & ENGINEERS, INC.
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MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

YALE BLVD. BRIDGE OVER SUNPORT BLVD. TRANSVERSE SECTION & DETAILS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
C.O.A. 4044.91	M-15&16	6-17	

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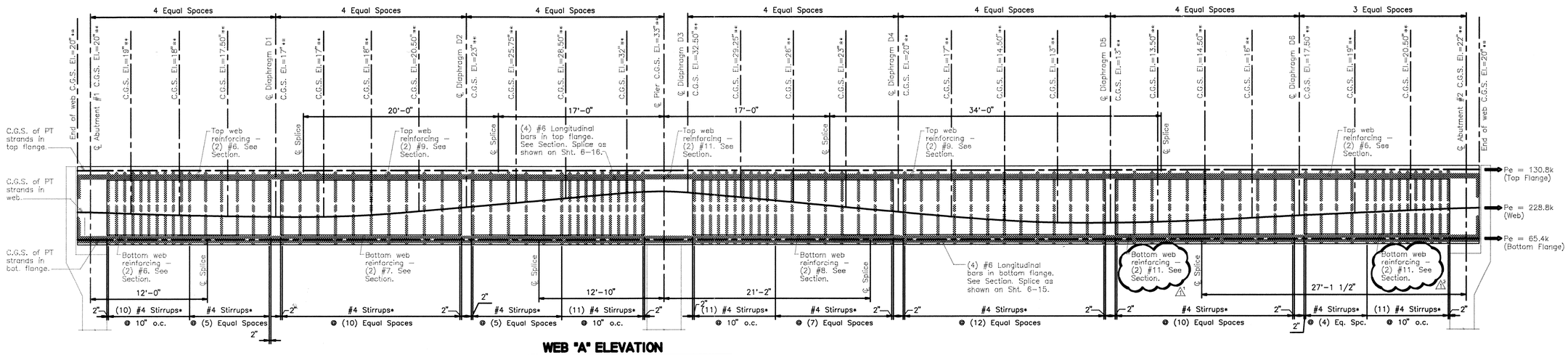
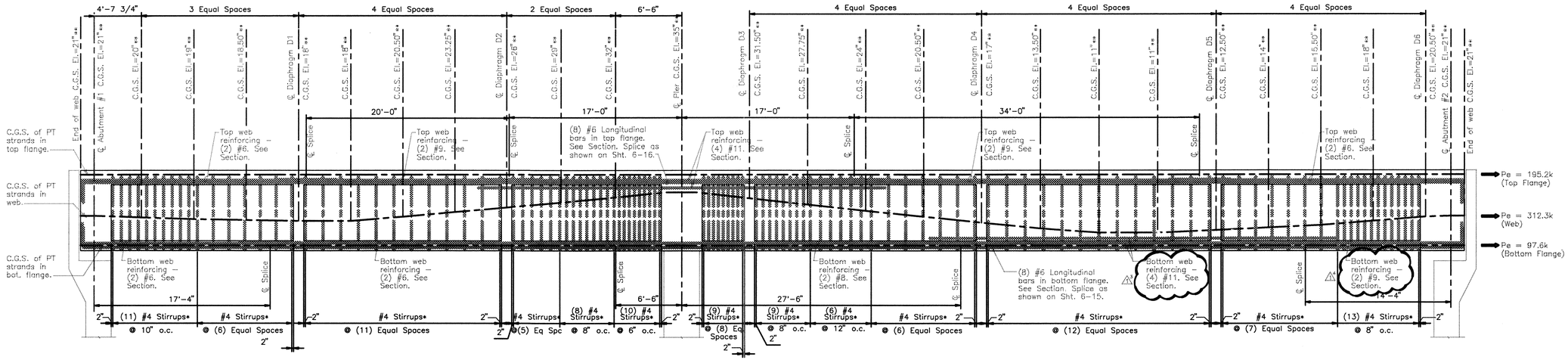


WEB "A" ELEVATION

LOOKING EAST

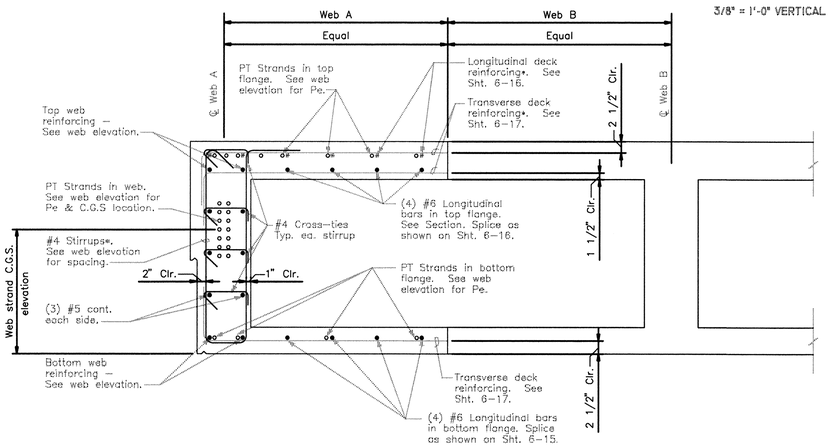
SCALE: 3/16" = 1'-0" HORIZONTAL
3/8" = 1'-0" VERTICAL



WEB "B" ELEVATION

LOOKING EAST

SCALE: 3/16" = 1'-0" HORIZONTAL
3/8" = 1'-0" VERTICAL



WEB "A" SECTION

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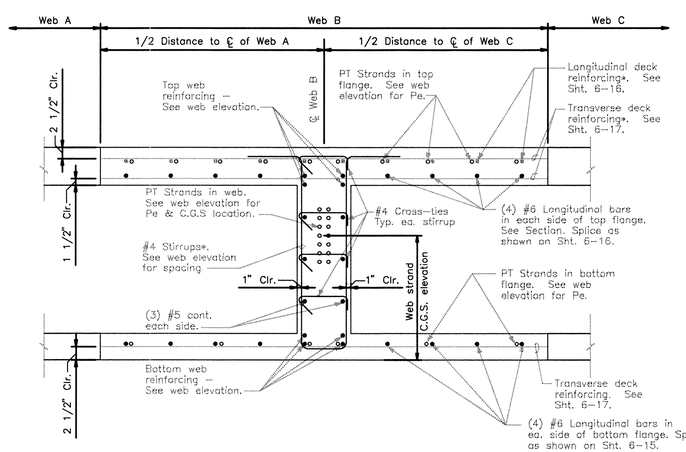

WEB "B" SECTION

SCALE: 3/4" = 1'-0"

2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-4044.91 11/11/98

Wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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* INDICATES EPOXY COATED REINFORCING

** WEB STRAND C.G.S. SHALL BE MEASURED FROM BOTTOM OF BOTTOM FLANGE.

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ALBUQUERQUE, NEW MEXICO 87110

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

YALE BLVD. BRIDGE OVER SUNPORT BLVD.
WEB REINFORCING
WEBS A & B

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
C.O.A. 4044.91	M-15&16	6-18	

AS BUILT INFORMATION
BENCH MARKS
SURVEY INFORMATION
FIELD NOTES BY DATE
ENGINEER'S SEAL

CONTRACTOR
STAKED BY DATE
INSPECTOR'S COPY STAKES BY DATE
FIELD VERIFICATION BY DATE
AS BUILT MARKS DATE
CORRECTED BY DATE

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

NO.	DATE	REVISIONS / REMARKS	BY
1	10/24/96	REVISED WEB ELEVATIONS	
		DESIGN DATE 5/28/96	DESIGNED BY JMW
		DATE 5/28/96	DRAWN BY JMW
		DATE 5/28/96	CHECKED BY BAS

6015S18.DWG XX-XX 5/28/96

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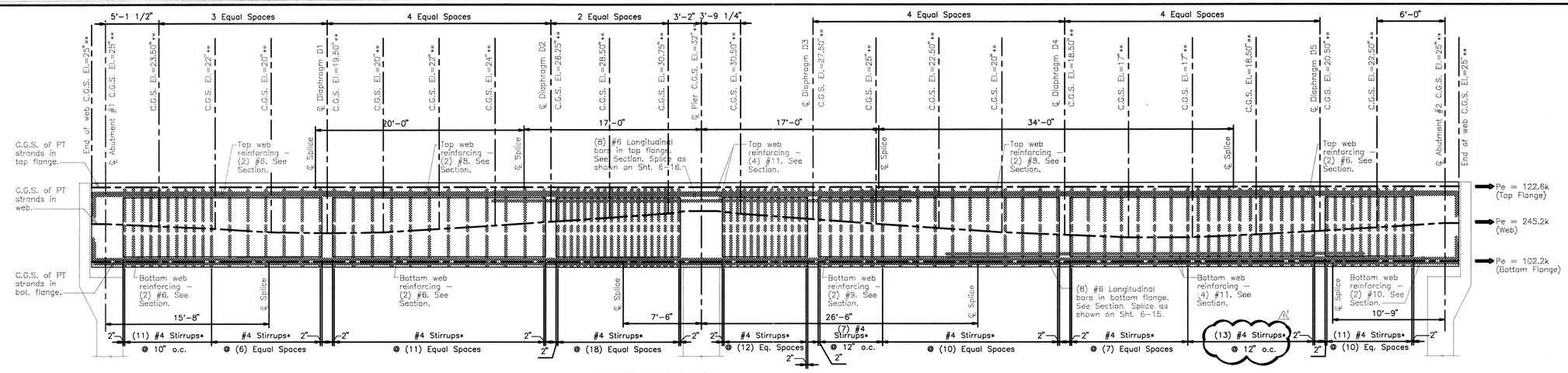
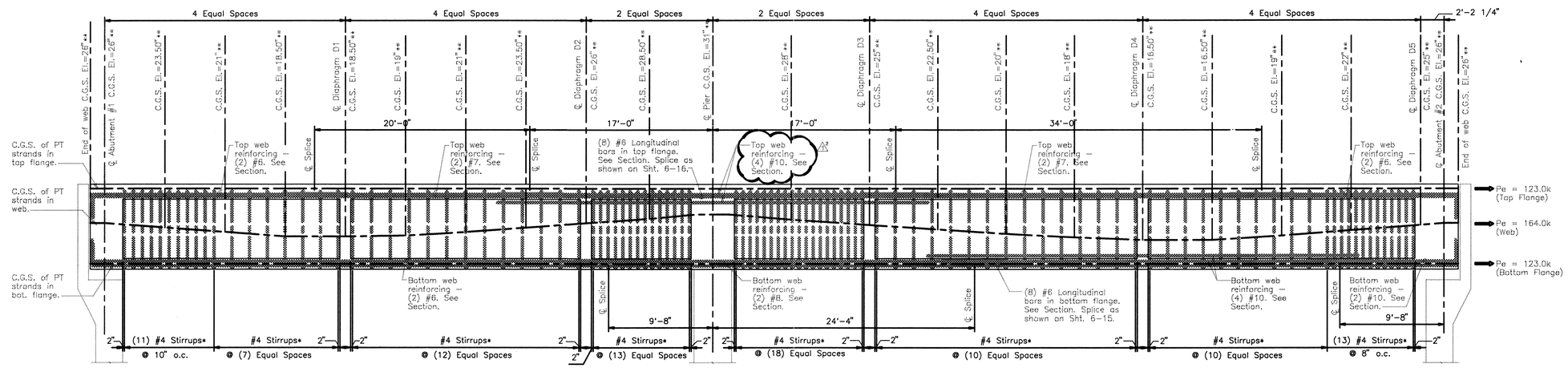


WEB "C" ELEVATION

LOOKING EAST

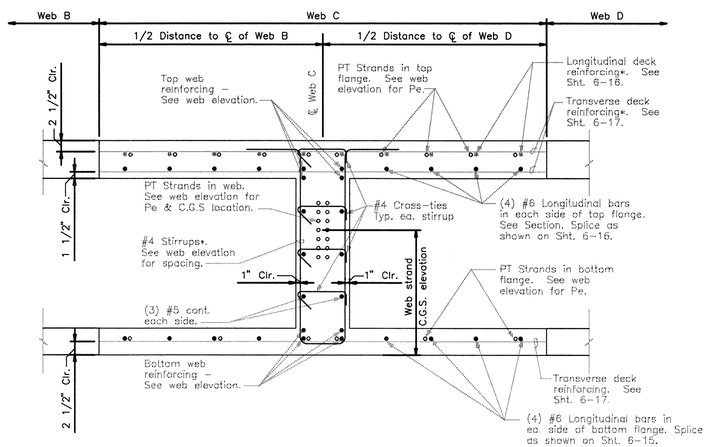
SCALE: 3/16" = 1'-0" HORIZONTAL
3/8" = 1'-0" VERTICAL



WEB "D" ELEVATION

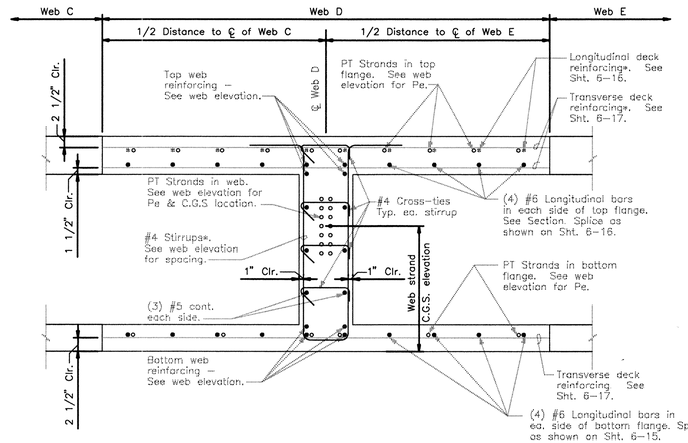
LOOKING EAST

SCALE: 3/16" = 1'-0" HORIZONTAL
3/8" = 1'-0" VERTICAL



WEB "C" SECTION

SCALE: 3/4" = 1'-0"



WEB "D" SECTION

SCALE: 3/4" = 1'-0"

* INDICATES EPOXY COATED REINFORCING

** WEB STRAND C.G.S. SHALL BE MEASURED FROM BOTTOM OF BOTTOM FLANGE.

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W M Jones P.E

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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ALBUQUERQUE, NEW MEXICO 87110

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

YALE BLVD. BRIDGE OVER SUNPORT BLVD.
WEB REINFORCING
WEBS C & D

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
C.O.A. 4044.91	M-15&16	6-19	

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS

AS BUILT INFORMATION

CONTRACTOR
STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWING CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		REVISED WEB ELEVATIONS	

DESIGNED BY JMW DATE 5/28/96
DRAWN BY JMW DATE 5/28/96
CHECKED BY BAS DATE 5/28/96

6015S19.DWG AS SHOWN 6/28/96

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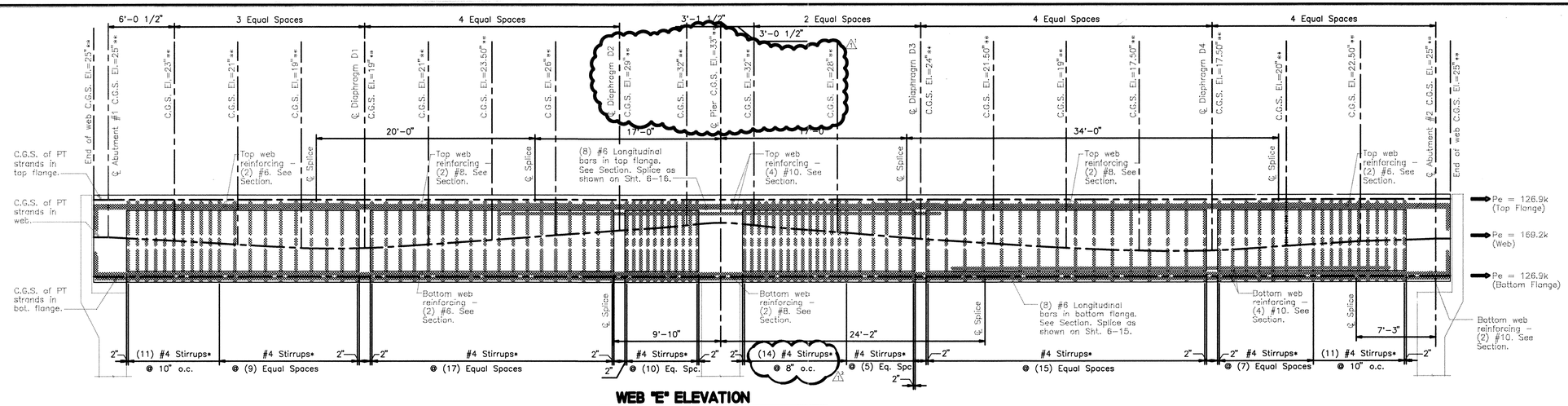
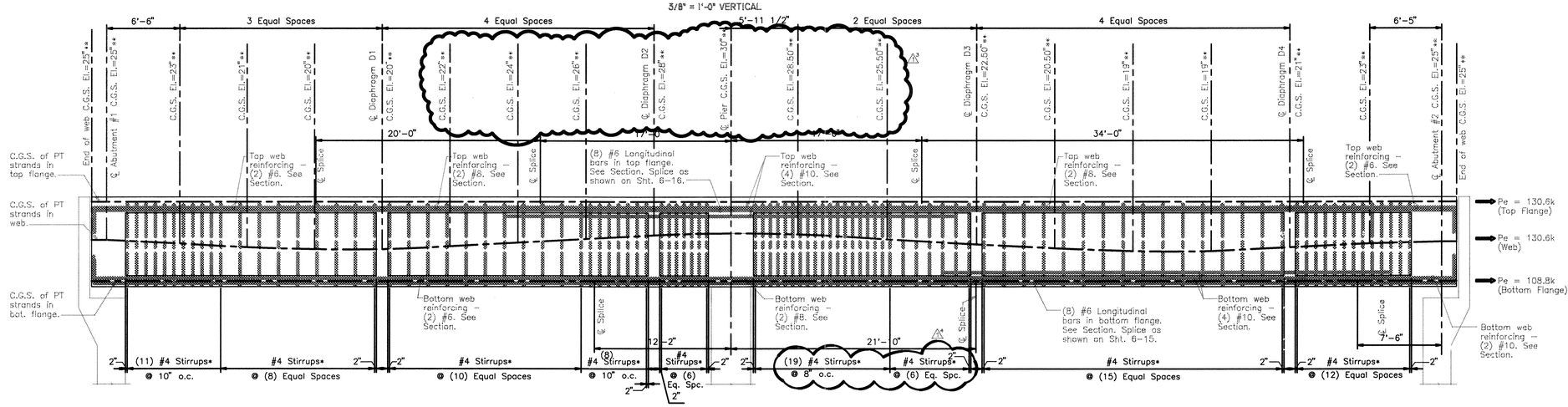


WEB "E" ELEVATION

LOOKING EAST

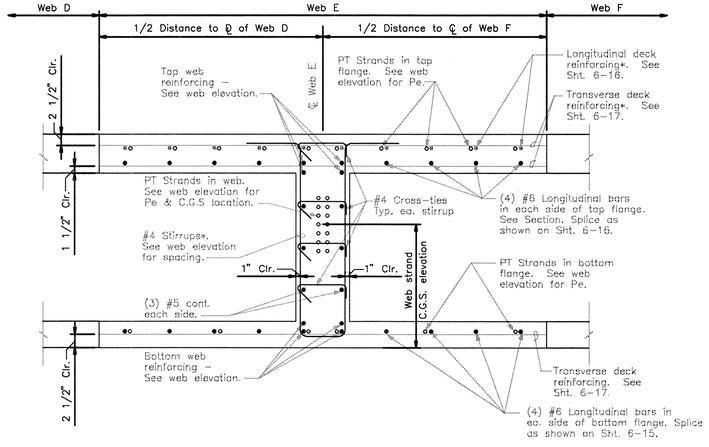
SCALE: 3/16" = 1'-0" HORIZONTAL
3/8" = 1'-0" VERTICAL



WEB "F" ELEVATION

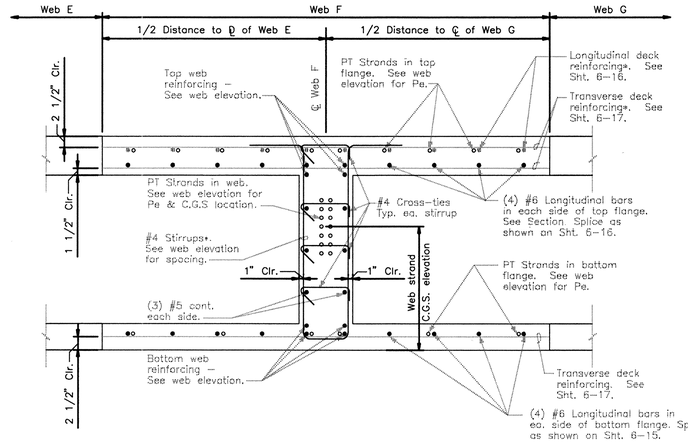
LOOKING EAST

SCALE: 3/16" = 1'-0" HORIZONTAL
3/8" = 1'-0" VERTICAL



WEB "E" SECTION

SCALE: 3/4" = 1'-0"



WEB "F" SECTION

SCALE: 3/4" = 1'-0"

* INDICATES EPOXY COATED REINFORCING

** WEB STRAND C.G.S. SHALL BE MEASURED FROM BOTTOM OF BOTTOM FLANGE.

AS BUILT INFORMATION

BENCH MARKS

CONTRACTOR
STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWING CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
	10/29/96	REVISED WEB ELEVATIONS	

REVISIONS

	DATE	BY
DESIGNED BY	5/28/96	JMW
DRAWN BY	5/28/96	JMW
CHECKED BY	5/28/96	BAS

24-4044.91 11 18 88

W M Jones P.E

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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BPLW ARCHITECTS & ENGINEERS, INC.
3400 LOUISIANA BLE. AFC-5, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

YALE BLVD. BRIDGE OVER SUNPORT BLVD.
WEB REINFORCING
WEBS E & F

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
C.O.A. 4044.91	M-15&16	6-20	

6015S20.DWG AS SHOWN 2/8/96

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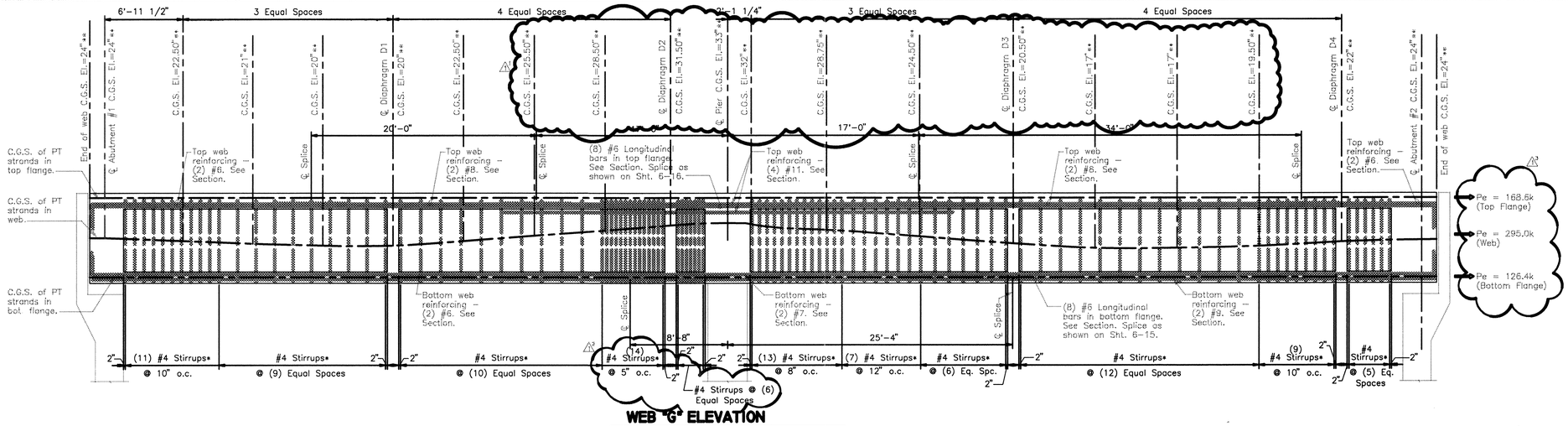
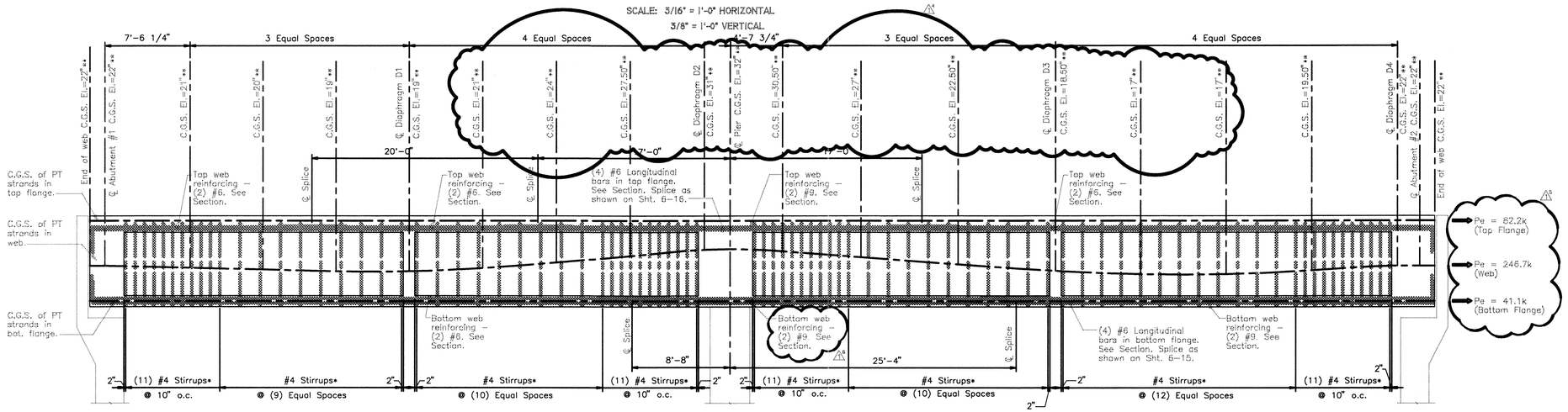


WEB "G" ELEVATION

LOOKING EAST

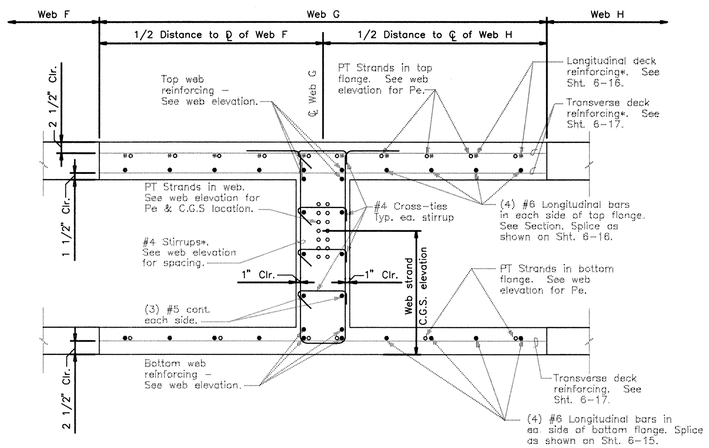
SCALE: 3/16" = 1'-0" HORIZONTAL
3/8" = 1'-0" VERTICAL



WEB "H" ELEVATION

LOOKING EAST

SCALE: 3/16" = 1'-0" HORIZONTAL
3/8" = 1'-0" VERTICAL



WEB "G" SECTION

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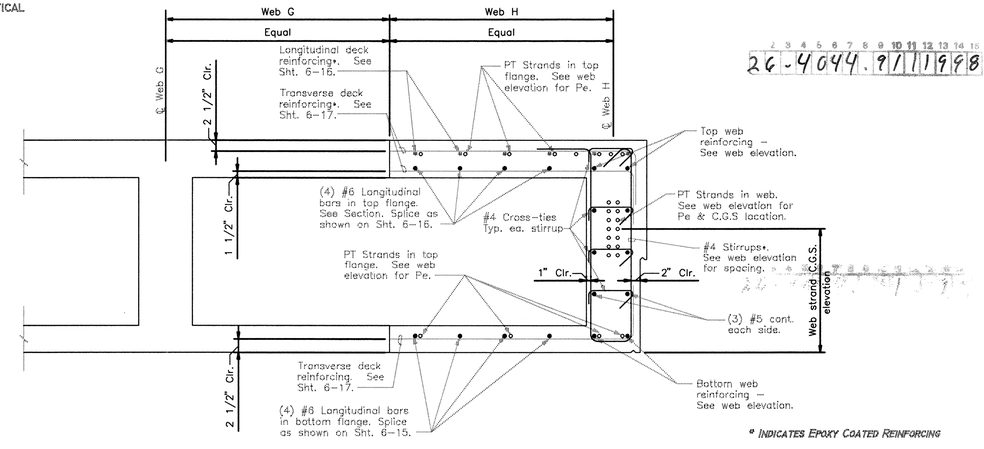

WEB "H" SECTION

SCALE: 3/4" = 1'-0"

* INDICATES EPOXY COATED REINFORCING

** WEB STRAND C.G.S. SHALL BE MEASURED FROM BOTTOM OF BOTTOM FLANGE.

AS BUILT INFORMATION

CONTRACTOR
STAKED BY — DATE
INSPECTORS
AS-STAKED BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

BENCH MARKS

SURVEY INFORMATION

NO.	FIELD NOTES BY	DATE

ENGINEER'S SEAL

W M Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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NO.	DATE	REVISIONS REMARKS	BY
1	10/29/98	REVISED WEB ELEVATIONS	

	DATE	BY
DESIGNED BY	5/28/96	JMW
DRAWN BY	5/28/96	JMW
CHECKED BY	5/28/96	BAS

26-4044.91 11 1998

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ALBUQUERQUE, NEW MEXICO 87110

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD — PHASE II

YALE BLVD. BRIDGE OVER SUNPORT BLVD.
WEB REINFORCING
WEBS G & H

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
C.O.A. 4044.91	M-15&16	6-21	

6015S21.DWG AS SHOWN 5/28/96

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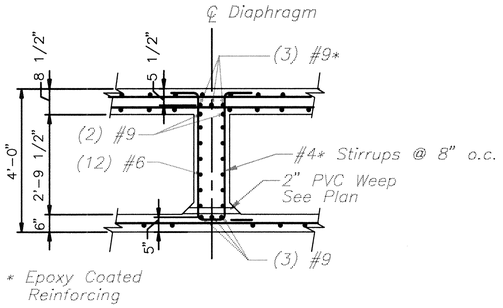

1 6-22 6-22 **DIAPHRAGM SECTION**
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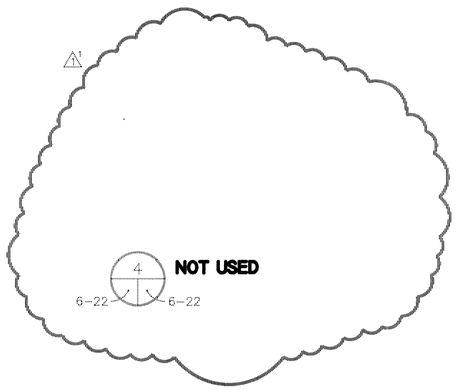
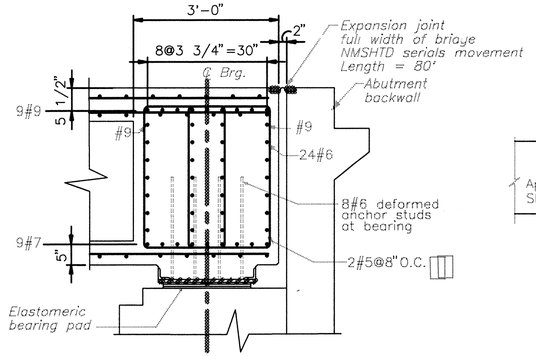
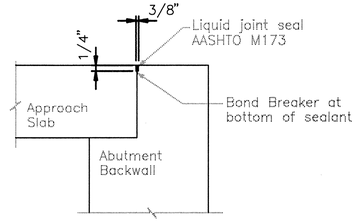
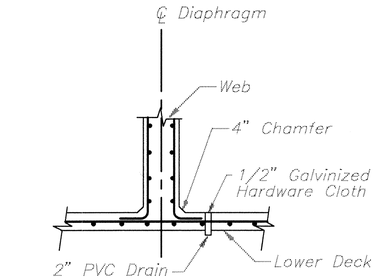


4 6-22 6-22



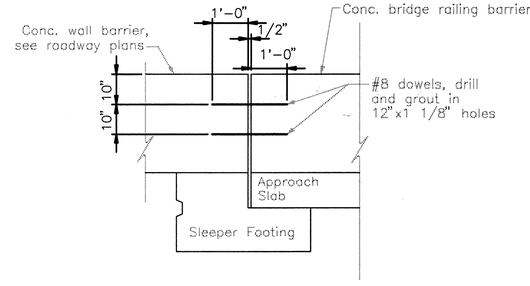


10 6-22 6-22 **DETAIL**
NTS

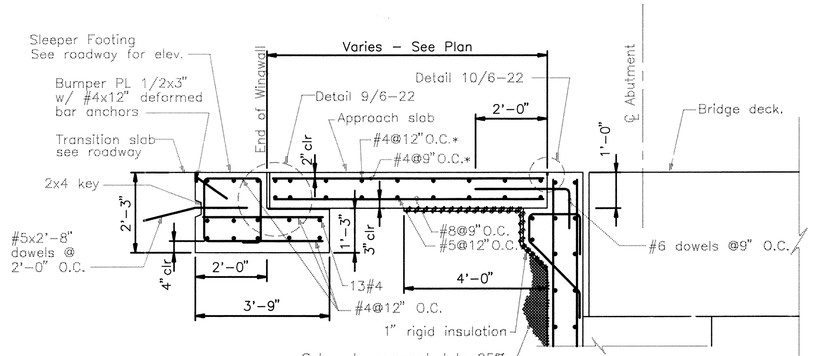


2 6-22 6-22 **DETAIL OF 2 PVC DRAIN**
SCALE: 1/2" = 1'-0"

7 6-22 6-22 **SECTION**
SCALE: 1/2" = 1'-0"

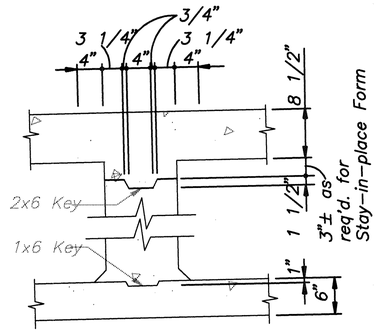


11 6-22 6-22 **DETAIL AT END OF BARRIER**
SCALE: 3/4" = 1'-0"

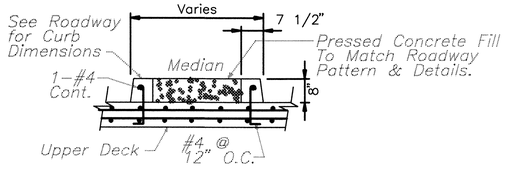


*epoxy coated bars

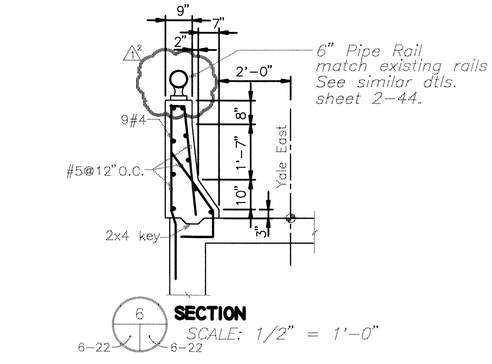
8 6-22 6-22 **APPROACH SLAB SECTION**
SCALE: 1/2 = 1'-0"



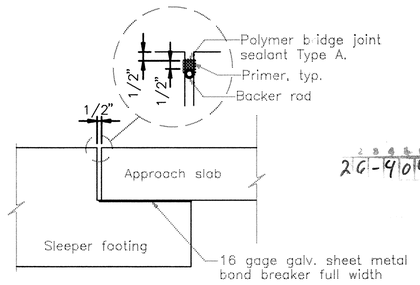
3 6-22 6-22 **CONSTRUCTION JOINT DETAIL**
SCALE: 1/2" = 1'-0"



5 6-22 6-22 **SECTION**
SCALE: 1/2" = 1'-0"



6 6-22 6-22 **SECTION**
SCALE: 1/2" = 1'-0"



9 6-22 6-22 **DETAIL**
Scale: 3/4" = 1'-0"

2C-40444.91 1 2 6 9 8

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS

AS BUILT INFORMATION

CONTRACTOR	
STAKED BY	DATE
INSPECTOR'S ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
AS BUILTS CORRECTED BY	DATE

MICRO-FILM INFORMATION

RECORDED BY DATE
NO.

ENGINEER'S SEAL

wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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NO.	DATE	REVISIONS REMARKS	BY
1	10/28/96	REVISED BRIDGE PLANS	
		DESIGN	DATE 5/28/96
		DESIGNED BY BAS	DATE 5/28/96
		DRAWN BY RV	DATE 5/28/96
		CHECKED BY BAS	DATE 5/28/96

BPLW ARCHITECTS & ENGINEERS, INC.
2400 LOUISIANA N.E. AFC-5, SUITE 400
ALBUQUERQUE, NEW MEXICO 87110

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD - PHASE II

YALE BLVD. BRIDGE OVER SUNPORT BLVD.
SECTIONS & DETAILS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
C.O.A. 4044.91	M-15&16	6-22	

6015522.DWG 1=1 5/28/96

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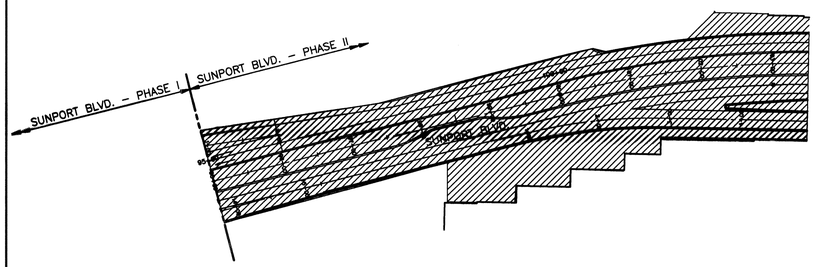

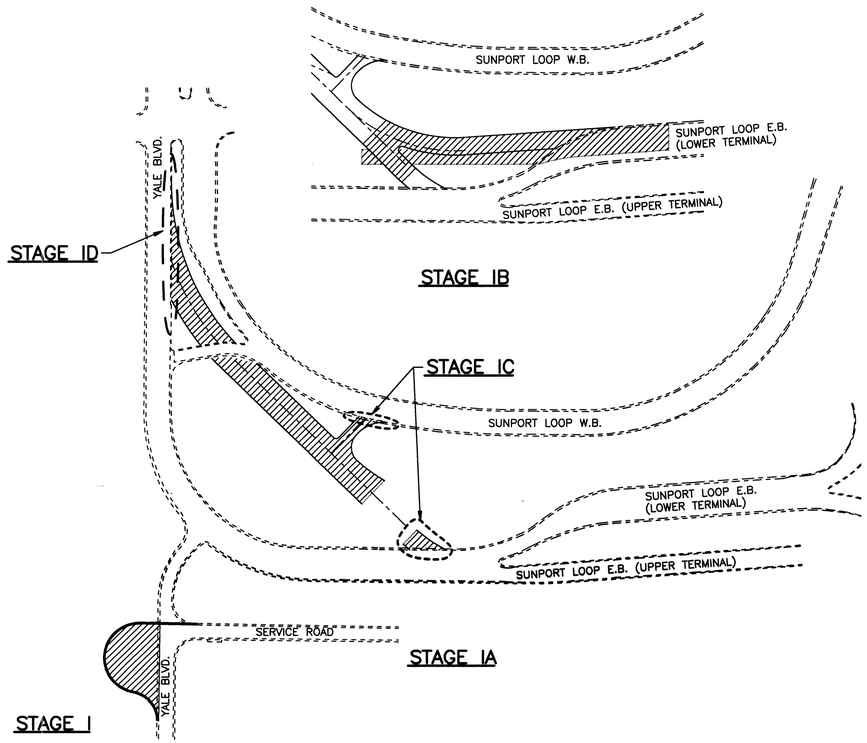

LEGEND

WORK ZONE

W m Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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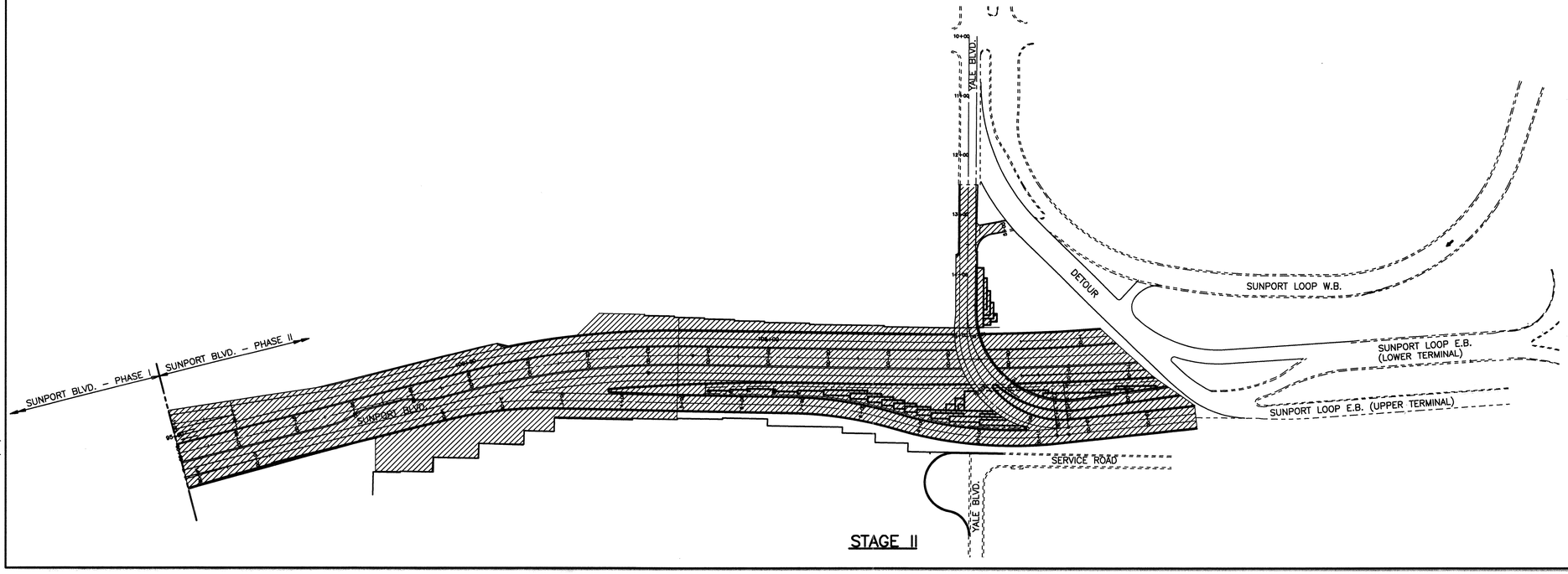
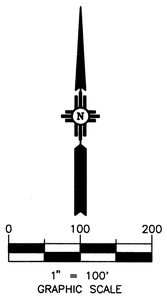
2 6 1 9 6 9 1 9 . 9 1 1 2 1 9 8





AS BUILT INFORMATION

CONTRACTOR
WORK STAKED BY — DATE
INSPECTOR'S COPY STAKES BY — DATE
FIELD VERIFICATION BY — DATE
AS-BUILTS CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

WILLIAM M. JONES, NEW MEXICO, 4137, REGISTERED PROFESSIONAL ENGINEER

REVISIONS

NO.	DATE	REMARKS	BY
		DESIGN	
DESIGNED BY	WMJ	DATE	5/30/96
DRAWN BY	JLR	DATE	5/30/96
CHECKED BY	WMJ	DATE	5/30/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **SUNPORT BOULEVARD – PHASE II**

CONSTRUCTION SEQUENCE
STAGE IA, IB, IC, ID, & II

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	7-1	

1"=100' 5/30/96

STAGALL1

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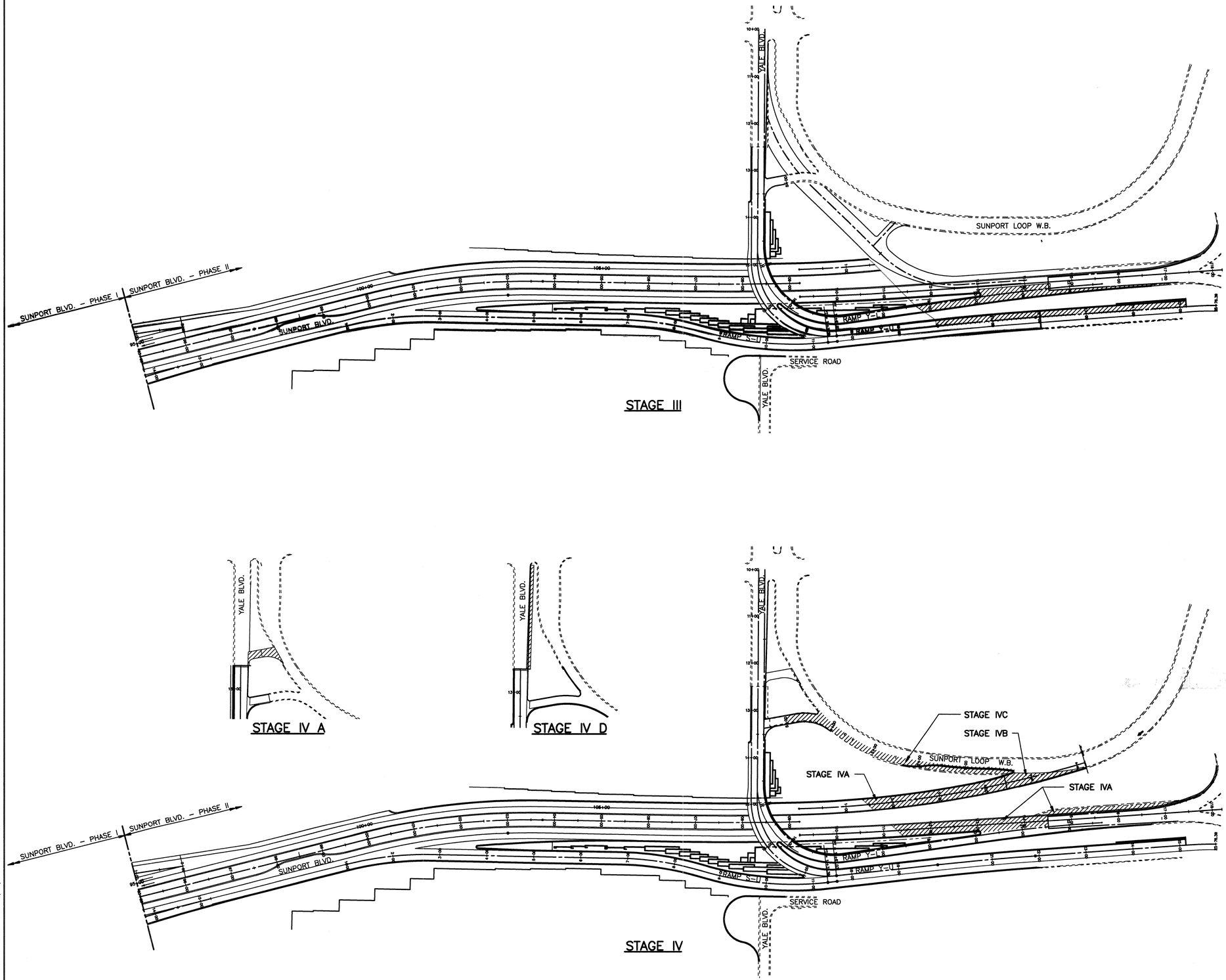

LEGEND

WORK ZONE

RECORD DRAWING

DATE: 11/03/97 | DRAFTED BY: O.V.

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wm Jones P.E.

2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-4044.91 12298

0 100 200
1" = 100'
GRAPHIC SCALE

AS BUILT INFORMATION

CONTRACTOR STAKED BY — DATE
INSPECTOR'S NOTATIONS BY — DATE
FIELD VERIFICATION BY — DATE
MARKINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

BENCH MARKS

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PROJECT: X=389231.63, Y=473027.84, EL=5310.21

SURVEY INFORMATION

FIELD NOTES BY: KOOGLE & POULS — DATE: 3/92

ENGINEER'S SEAL

NO.	DATE	REVISIONS	BY
1	6/13/96	REVISED STAGE IV	TDS

DESIGN — DESIGNED BY WMJ — DATE 5/20/96
DRAWN BY JLR — DATE 5/20/96
CHECKED BY WMJ — DATE 5/20/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

CONSTRUCTION SEQUENCE
STAGE III, IVA, IVB, IVC & IVD

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	7-2.1	

1"=100' 06/12/96
STAG_ALA

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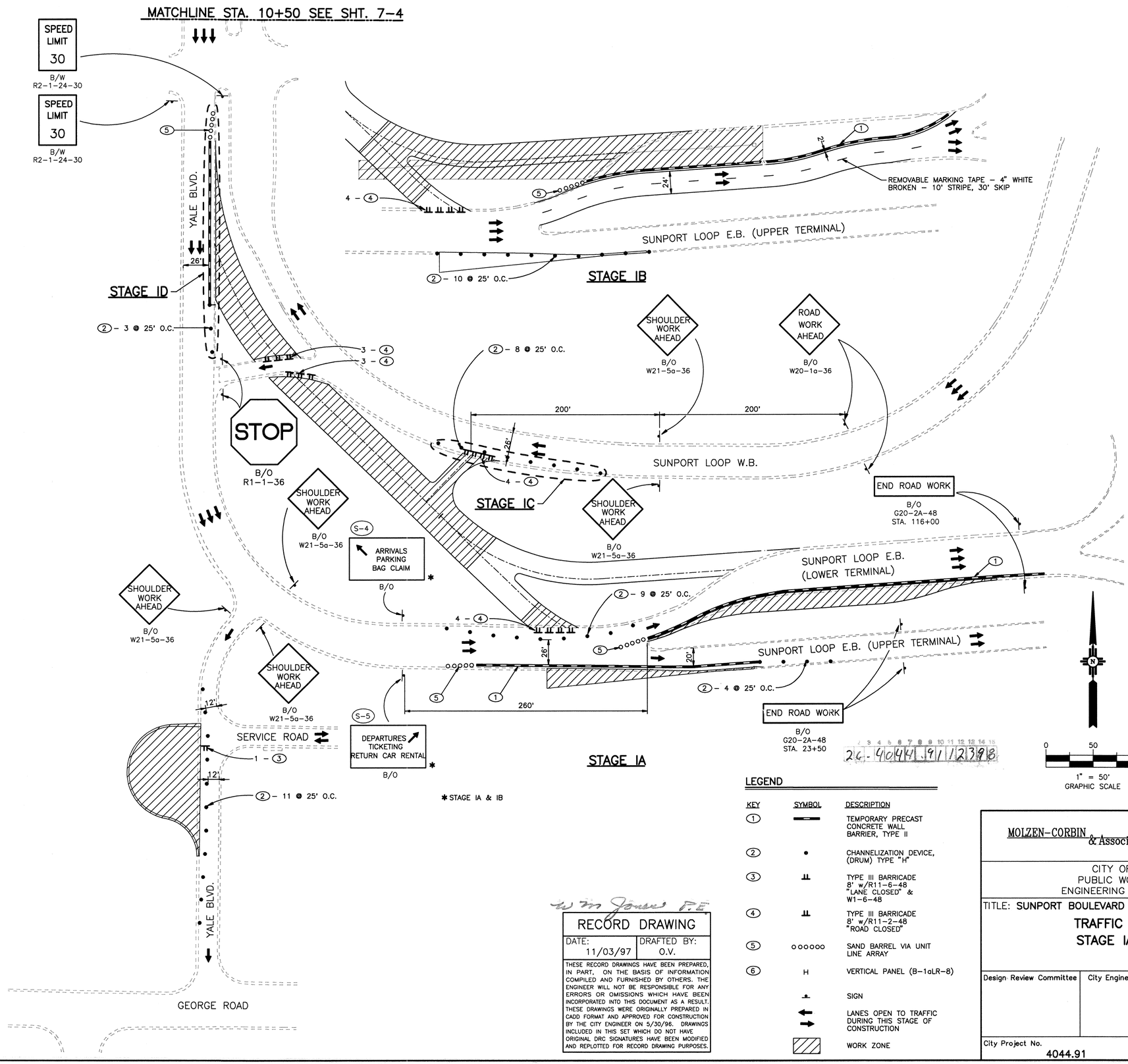

LEGEND

KEY	SYMBOL	DESCRIPTION
1	▬	TEMPORARY PRECAST CONCRETE WALL BARRIER, TYPE II
2	•	CHANNELIZATION DEVICE, (DRUM) TYPE "H"
3	⫼	TYPE III BARRICADE 8' w/R11-6-48 "LANE CLOSED" & W1-6-48
4	⫼	TYPE III BARRICADE 8' w/R11-2-48 "ROAD CLOSED"
5	ooooo	SAND BARREL VIA UNIT LINE ARRAY
6	H	VERTICAL PANEL (B-1aLR-8)
	▪	SIGN
	←	LANES OPEN TO TRAFFIC DURING THIS STAGE OF CONSTRUCTION
	▨	WORK ZONE

Wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

BENCH MARKS
STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY DATE
WORK ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY WMJ DATE 5/30/96
DRAWN BY JLR DATE 5/30/96
CHECKED BY WMJ DATE 5/30/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **SUNPORT BOULEVARD - PHASE II**

TRAFFIC CONTROL PLAN
STAGE IA, IB, IC, & ID

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	7-3	

1"=50' 5/30/96
YAL3STG1

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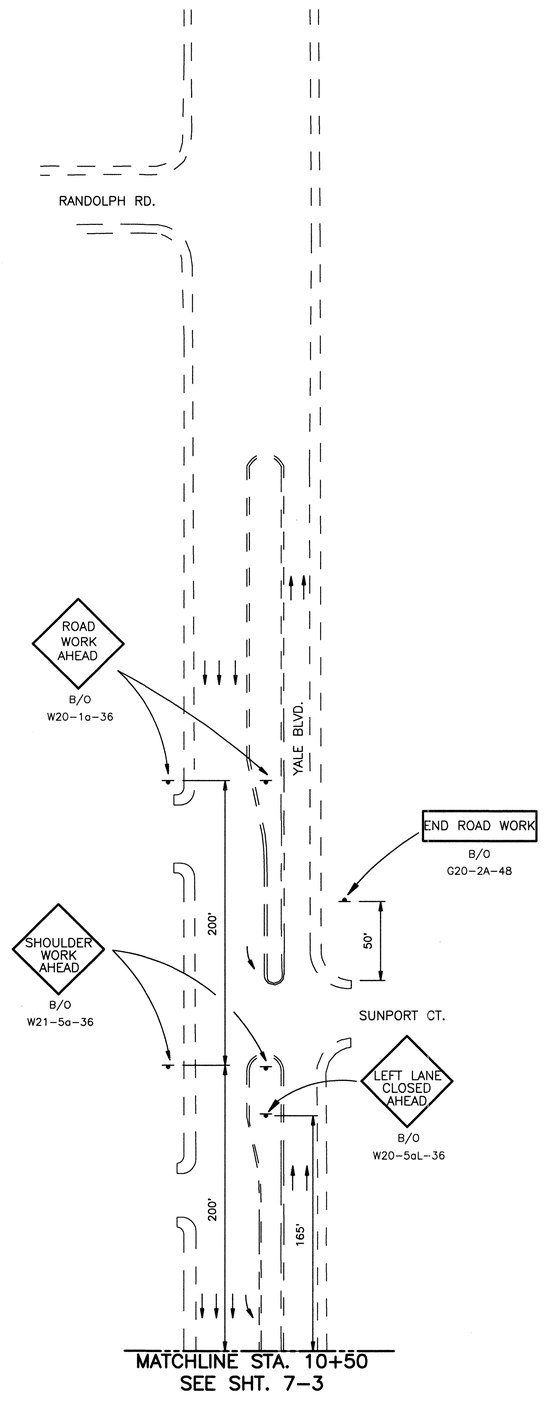

LEGEND

KEY	SYMBOL	DESCRIPTION
1	▬▬	TEMPORARY PRECAST CONCRETE WALL BARRIER, TYPE II
2	•	CHANNELIZATION DEVICE, (DRUM) TYPE "H"
3	⫫	TYPE III BARRICADE 8' w/R11-6-48 "LANE CLOSED" & W1-6-48
4	⫫	TYPE III BARRICADE 8' w/R11-2-48 "ROAD CLOSED"
5	ooooo	SAND BARREL VIA UNIT LINE ARRAY
6	H	VERTICAL PANEL (B-1aLR-8)
	⊥	SIGN
	⬅ ➡	LANES OPEN TO TRAFFIC DURING THIS STAGE OF CONSTRUCTION
	▨	WORK ZONE

W M Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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26-4044.91 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

0 50 100
1" = 50'
GRAPHIC SCALE

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

BENCH MARKS

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PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

AS BUILT INFORMATION

CONTRACTOR
WORK STAKED BY ____ DATE
INSPECTOR'S FIELD STAKES BY ____ DATE
FIELD VERIFICATION BY ____ DATE
WORK NOTES CORRECTED BY ____ DATE

MICRO-FILM INFORMATION

RECORDED BY ____ DATE
NO.

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY	WMJ
		DRAWN BY	JLR
		CHECKED BY	WMJ

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **SUNPORT BOULEVARD – PHASE II**

TRAFFIC CONTROL PLAN
STAGE IA, IB, IC, & ID

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	7-4	

P:\SIGN11.DWG 1 = 50 5/21/96

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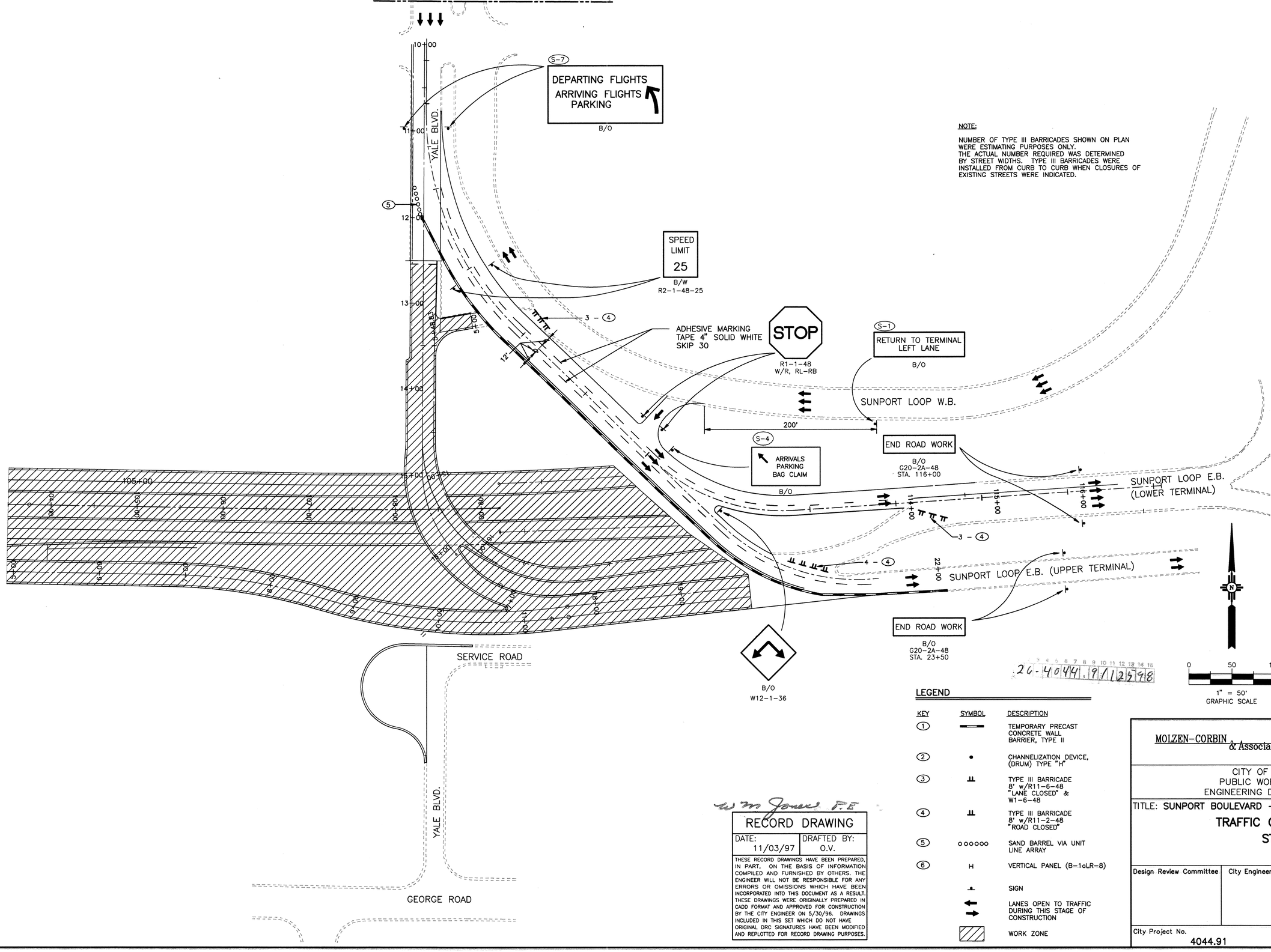
MATCHLINE STA. 10+50 SEE SHT. 7-6



NOTE:

NUMBER OF TYPE III BARRICADES SHOWN ON PLAN WERE ESTIMATING PURPOSES ONLY. THE ACTUAL NUMBER REQUIRED WAS DETERMINED BY STREET WIDTHS. TYPE III BARRICADES WERE INSTALLED FROM CURB TO CURB WHEN CLOSURES OF EXISTING STREETS WERE INDICATED.

LEGEND

KEY	SYMBOL	DESCRIPTION
(1)		TEMPORARY PRECAST CONCRETE WALL BARRIER, TYPE II
(2)	•	CHANNELIZATION DEVICE, (DRUM) TYPE "H"
(3)		TYPE III BARRICADE 8' w/R11-6-48 "LANE CLOSED" & W1-6-48
(4)		TYPE III BARRICADE 8' w/R11-2-48 "ROAD CLOSED"
(5)	oooooo	SAND BARREL VIA UNIT LINE ARRAY
(6)	H	VERTICAL PANEL (B-1aLR-8)
		SIGN
		LANES OPEN TO TRAFFIC DURING THIS STAGE OF CONSTRUCTION
		WORK ZONE

W M Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

BENCH MARKS

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PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

AS BUILT INFORMATION

CONTRACTOR
WORK STAKED BY — DATE
WORK INSPECTED BY
ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

ENGINEER'S SEAL

W. M. JONES NEW MEXICO 4137 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY WMJ — DATE 5/30/96
DRAWN BY JLR — DATE 5/30/96
CHECKED BY WMJ — DATE 5/30/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

TRAFFIC CONTROL PLAN
STAGE II

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	7-5	

YAL3ST2A 1"=50' 5/30/96

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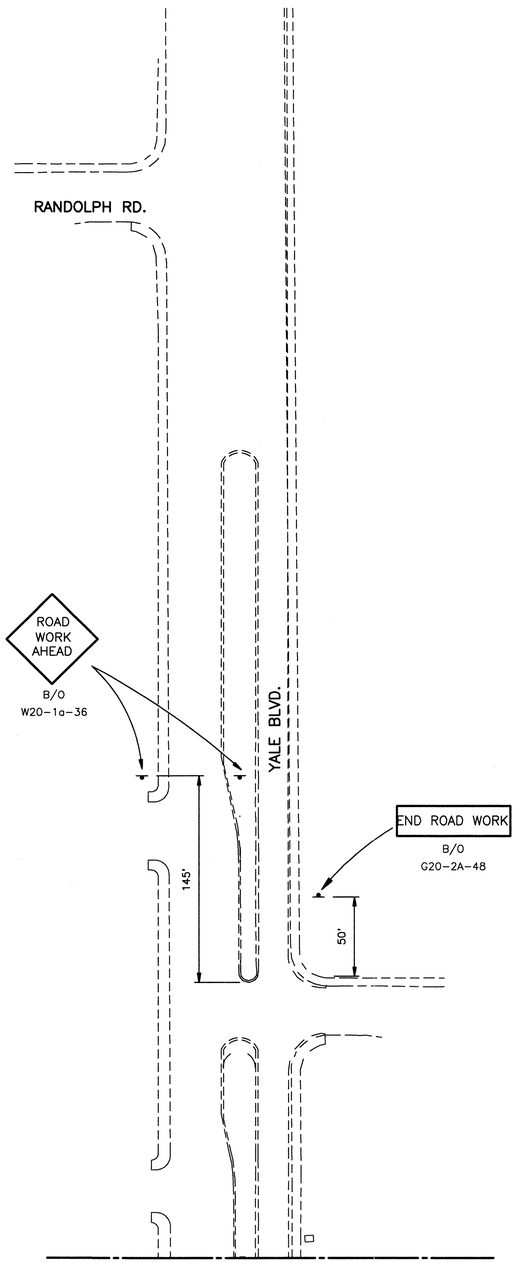

MATCHLINE STA. 10+50 SEE SHEET 7-5

2G-4044.91/1/26/98

LEGEND

KEY	SYMBOL	DESCRIPTION
1		TEMPORARY PRECAST CONCRETE WALL BARRIER, TYPE II
2	•	CHANNELIZATION DEVICE, (DRUM) TYPE "H"
3		TYPE III BARRICADE 8' w/R11-6-48 "LANE CLOSED" & W1-6-48
4		TYPE III BARRICADE 8' w/R11-2-48 "ROAD CLOSED"
5	ooooooo	SAND BARREL VIA UNIT LINE ARRAY
6	H	VERTICAL PANEL (B-1aLR-8)
		SIGN
		LANES OPEN TO TRAFFIC DURING THIS STAGE OF CONSTRUCTION
		WORK ZONE

W. M. Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

BENCH MARKS

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PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

AS BUILT INFORMATION

CONTRACTOR STAKED BY ____ DATE
INSPECTOR'S ACCEPTANCE BY ____ DATE
FIELD VERIFICATION BY ____ DATE
INFORMATION CORRECTED BY ____ DATE

MICRO-FILM INFORMATION

RECORDED BY ____ DATE
NO. ____

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY	WMJ	DATE 5/14/96
DRAWN BY	JLR	DATE 5/14/96
CHECKED BY	WMJ	DATE 5/14/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

TRAFFIC CONTROL PLAN STAGE II

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	7-6	

SIGN3_5.DWG 1 = 50 5/14/96

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MATCHLINE STA. 10+50 SEE SHT. 7-8

SPEED LIMIT 30
B/W R2-1-24-30

YALE BLVD.

S-3
ARRIVING FLIGHTS PARKING USE LEFT LANE
B/O

S-2
DEPARTING FLIGHTS TICKETING/CHECK-IN USE RIGHT LANE
B/O

B/O W4-2L-36

B/O W12-1-36

3 - 4 (CURB TO CURB)

REMOVABLE MARKING TAPE - 4" WHITE BROKEN, 10' STRIPE, 30' SKIP

SPEED LIMIT 25
B/W R2-1-24-25

STOP
W/R R1-1-36

S-1
RETURN TO TERMINAL AND PARKING LEFT LANE
B/O

SUNPORT LOOP

SUNPORT LOOP W.B.

200'

1 - 11 @ 25' O.C.

1 - 3

SUNPORT LOOP E.B. (LOWER TERMINAL)

SUNPORT LOOP E.B. (UPPER TERMINAL)

2 - 4

SERVICE ROAD

YALE BLVD.

GEORGE ROAD

0 50 100
1" = 50'
GRAPHIC SCALE

26-4044.91 11/27/98

LEGEND

KEY	SYMBOL	DESCRIPTION
1		TEMPORARY PRECAST CONCRETE WALL BARRIER, TYPE II
2	•	CHANNELIZATION DEVICE, (DRUM) TYPE "H"
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6	H	VERTICAL PANEL (B-1aLR-8)
		SIGN
		LANES OPEN TO TRAFFIC DURING THIS STAGE OF CONSTRUCTION
		WORK ZONE

W M Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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AS BUILT INFORMATION

CONTRACTOR
WORK STAKED BY — DATE
INSPECTED BY
ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
STATION "WEST", A BRASS TABLET STAMPED "WEST 19.39". SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY
		DESIGN	
	DATE 5/20/96	DESIGNED BY	WMJ
	DATE 5/20/96	DRAWN BY	JLR
	DATE 5/20/96	CHECKED BY	WMJ

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

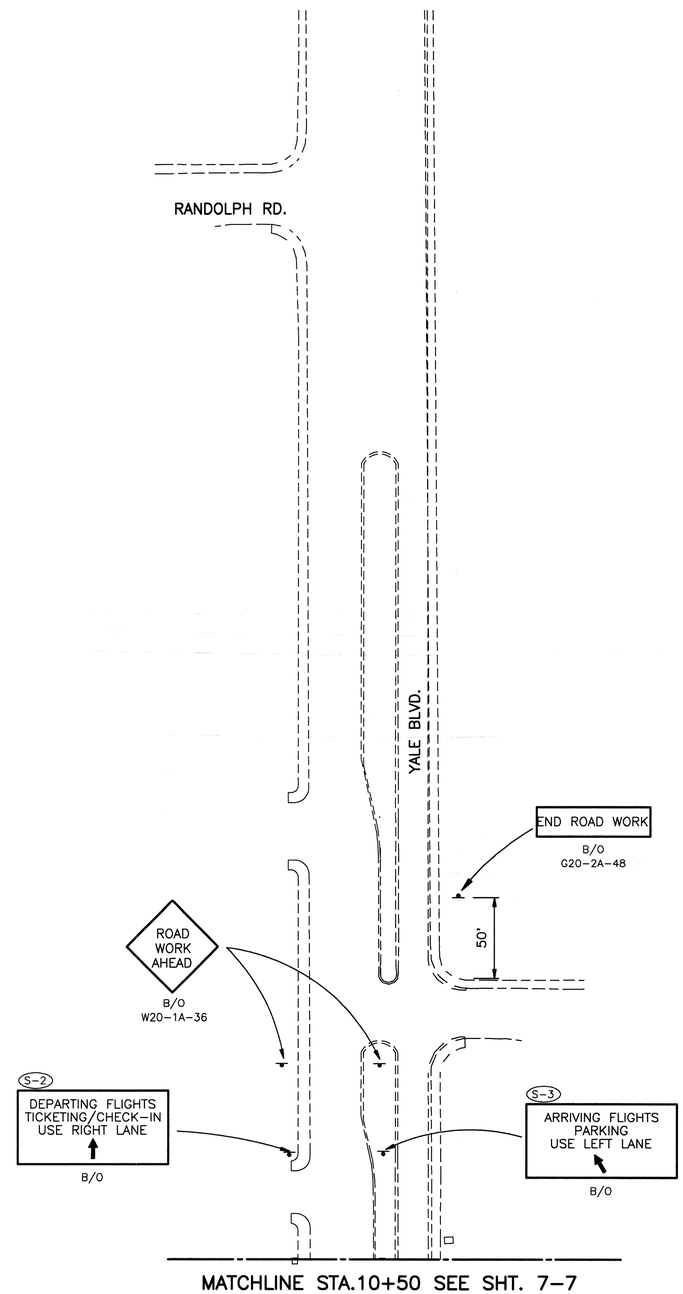
TITLE: SUNPORT BOULEVARD - PHASE II

TRAFFIC CONTROL PLAN
STAGE III

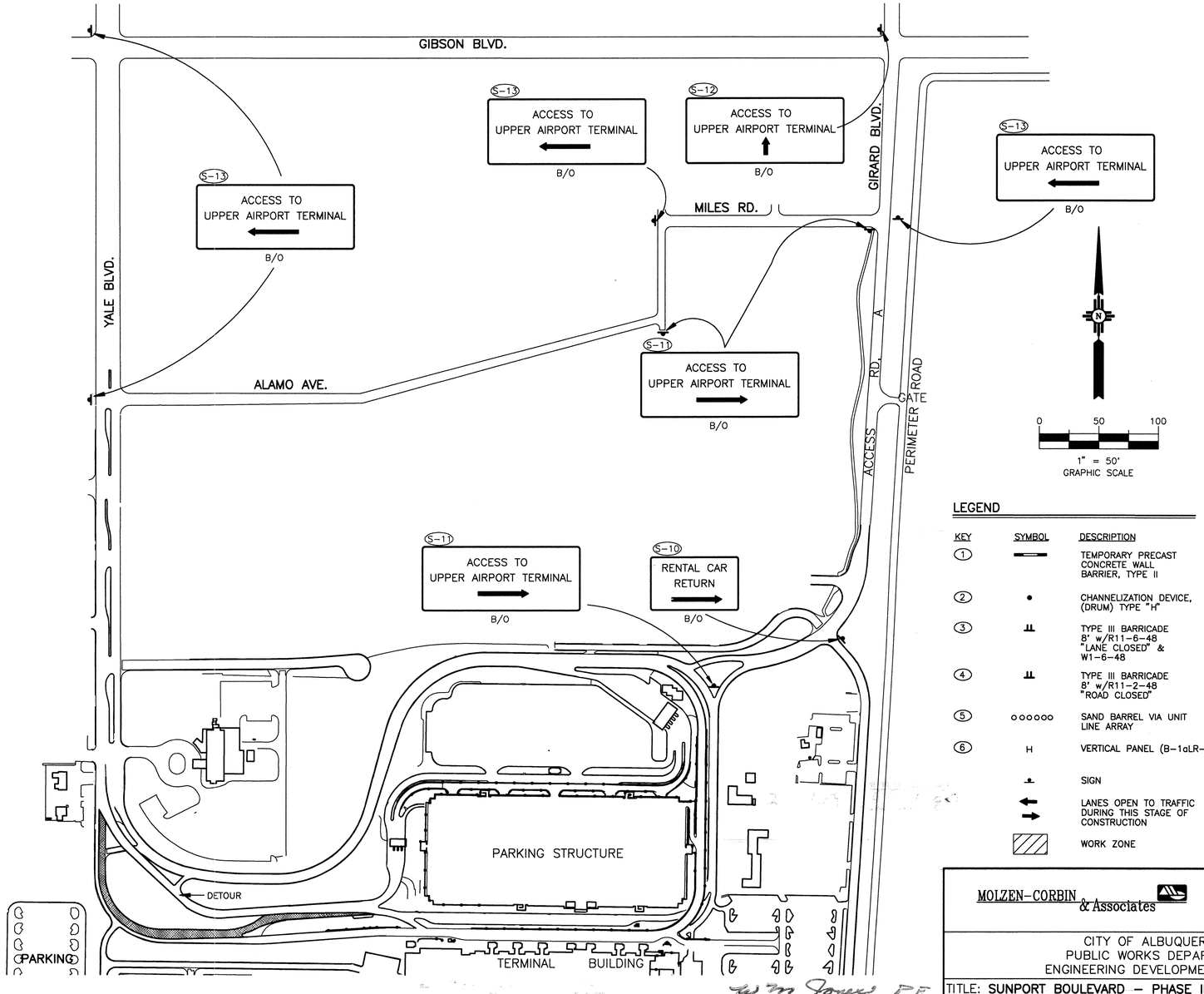
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	7-7	

1"=50' 5/20/96
YAL3ST3B



MATCHLINE STA.10+50 SEE SHT. 7-7



OFF-SITE TRAFFIC CONTROL SIGNING

LEGEND

KEY	SYMBOL	DESCRIPTION
1	▬	TEMPORARY PRECAST CONCRETE WALL BARRIER, TYPE II
2	•	CHANNELIZATION DEVICE, (DRUM) TYPE "H"
3	⫼	TYPE III BARRICADE 8' w/R11-6-48 "LANE CLOSED" & W1-6-48
4	⫼	TYPE III BARRICADE 8' w/R11-2-48 "ROAD CLOSED"
5	ooooo	SAND BARREL VIA UNIT LINE ARRAY
6	H	VERTICAL PANEL (B-1aLR-8)
	▪	SIGN
	←	LANES OPEN TO TRAFFIC DURING THIS STAGE OF CONSTRUCTION
	▨	WORK ZONE

0 50 100
1" = 50'
GRAPHIC SCALE

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

AS BUILT INFORMATION

CONTRACTOR
REVIEWED BY — DATE
INSPECTOR'S
FIELD CHANGES BY — DATE
FIELD
VERIFICATION BY — DATE
AS BUILTED
CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

ENGINEER'S SEAL

NO.	DATE	REVISIONS	BY
1	6/13/96	ADDED OFF-SITE TRAFFIC CONTROL	WMJ
		REMARKS	
		DESIGN	
		DESIGNED BY — DATE	WMJ 6/11/96
		DRAWN BY — DATE	JLR 6/11/96
		CHECKED BY — DATE	WMJ 6/11/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

TRAFFIC CONTROL PLAN
STAGE III

wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT. THESE DRAWINGS WERE ORIGINALLY PREPARED IN CADD FORMAT AND APPROVED FOR CONSTRUCTION BY THE CITY ENGINEER ON 5/30/96. DRAWINGS INCLUDED IN THIS SET WHICH DO NOT HAVE ORIGINAL DRC SIGNATURES HAVE BEEN MODIFIED AND REPLOTTED FOR RECORD DRAWING PURPOSES.

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	7-8.1	

26 4044.91 11/26/98

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SIGNJOST.DWG 1 = 50 6/11/96

MATCHLINE STA. 10+50 SEE SHT. 7-10

* STAGE IVA & IVC

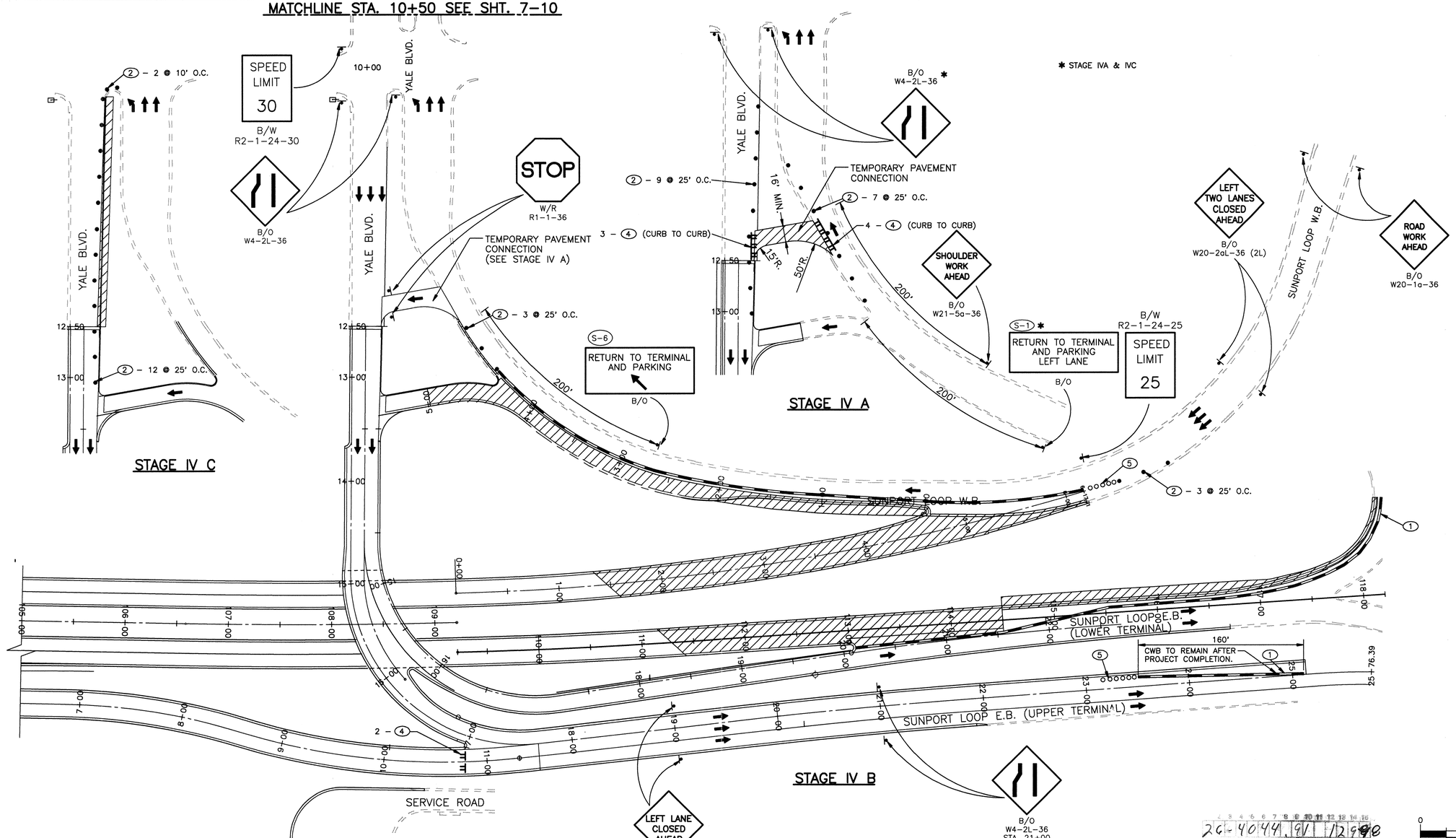
STAGE IV C

STAGE IV A

STAGE IV B

SERVICE ROAD

GEORGE ROAD



LEGEND

KEY	SYMBOL	DESCRIPTION
1	▬	TEMPORARY PRECAST CONCRETE WALL BARRIER, TYPE II
2	•	CHANNELIZATION DEVICE, (DRUM) TYPE "H"
3	⫼	TYPE III BARRICADE 8' w/R11-6-48 "LANE CLOSED" & W1-6-48
4	⫼	TYPE III BARRICADE 8' w/R11-2-48 "ROAD CLOSED"
5	ooooo	SAND BARREL VIA UNIT LINE ARRAY
6	H	VERTICAL PANEL (B-1aLR-8)
	▪	SIGN
	⬅ ➡	LANES OPEN TO TRAFFIC DURING THIS STAGE OF CONSTRUCTION
	▨	WORK ZONE

0 50 100
1" = 50'
GRAPHIC SCALE

2c-4044.91 12/96

W M Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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AS BUILT INFORMATION

CONTRACTOR
WORK STAKED BY — DATE
INSPECTION BY
ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 19.39", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL
WILLIAM M. JONES NEW MEXICO 4137 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY WMJ	DATE 5/30/96
		DRAWN BY JLR	DATE 5/30/96
		CHECKED BY WMJ	DATE 5/30/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

TRAFFIC CONTROL PLAN
STAGE IV A, B, & C

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	7-9	

YAL3ST04 1"=50' 5/30/96

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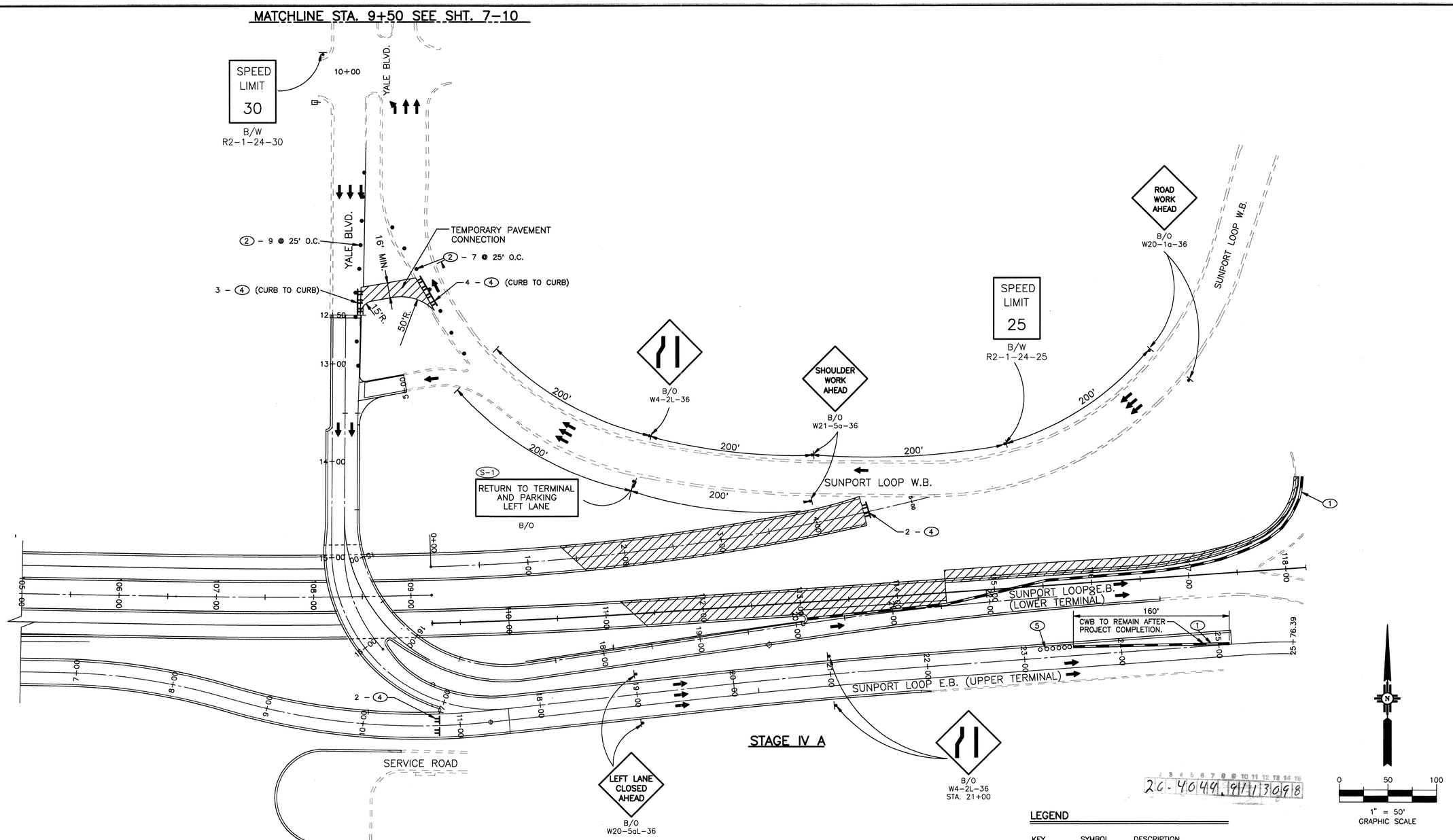

LEGEND

KEY	SYMBOL	DESCRIPTION
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5	ooooo	SAND BARREL VIA UNIT LINE ARRAY
6	H	VERTICAL PANEL (B-1aLR-8)
	▲	SIGN
	← →	LANES OPEN TO TRAFFIC DURING THIS STAGE OF CONSTRUCTION
	▨	WORK ZONE

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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W.M. Jones P.E.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 19.39", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)

PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

AS BUILT INFORMATION

CONTRACTOR WORK STARTED BY — DATE
INSPECTOR WORK ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

ENGINEER'S SEAL

NO.	DATE	REVISIONS REMARKS	BY
1		REVISED ENTIRE SHEET	WMJ

DESIGN — DESIGNED BY WMJ — DATE 6/11/96
DRAWN BY JLR — DATE 6/11/96
CHECKED BY WMJ — DATE 6/11/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **SUNPORT BOULEVARD – PHASE II**

TRAFFIC CONTROL PLAN
STAGE IV A

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	7-9.1	

YAL3ST4A 1"=50' 6/11/96

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MATCHLINE STA. 9+50 SEE SHT. 7-10

SPEED LIMIT 30

B/W R2-1-24-30

10+00

YALE BLVD.

TEMPORARY PAVEMENT CONNECTION

2 - (4) (CURB TO CURB)

3 - (4) (CURB TO CURB)

16' MIN.

15' R.

50' R.

12+50

13+00

14+00

S-1

RETURN TO TERMINAL AND PARKING LEFT LANE

B/O

200'

SUNPORT LOOP W.B.

B/W R2-1-24-25

SPEED LIMIT 25

200'

ROAD WORK AHEAD

B/O W20-1a-36

SHOULDER WORK AHEAD

B/O W21-5a-36

(22) - 4 @ 25' O.C.

(5) (2) - 5 @ 25' O.C.

STAGE IVB

STAGE IVA

SUNPORT LOOP E.B. (LOWER TERMINAL)

160'

CWB TO REMAIN AFTER PROJECT COMPLETION.

(1)

VIA UNIT TO REMAIN AFTER PROJECT COMPLETION.

(5)

SUNPORT LOOP E.B. (UPPER TERMINAL)

2 - (4)

LT. TT.

STAGE IV B

LEFT LANE CLOSED AHEAD

B/O W20-5aL-36

B/O W4-2L-36 STA. 21+00

SERVICE ROAD

YALE BLVD.

GEORGE ROAD

0 50 100

1" = 50' GRAPHIC SCALE

26-4044.91/7/31/98

LEGEND

KEY	SYMBOL	DESCRIPTION
(1)		TEMPORARY PRECAST CONCRETE WALL BARRIER, TYPE II
(2)	•	CHANNELIZATION DEVICE, (DRUM) TYPE "H"
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(5)	oooooo	SAND BARREL VIA UNIT LINE ARRAY
(6)	H	VERTICAL PANEL (B-1aLR-8)
		SIGN
		LANES OPEN TO TRAFFIC DURING THIS STAGE OF CONSTRUCTION
		WORK ZONE

W M Jones P.E.

RECORD DRAWING

DATE: 11/03/97	DRAFTED BY: O.V.

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SURVEY INFORMATION

FIELD NOTES

NO.	DATE	BY
	3/92	KOOGLE & POULS

BENCH MARKS

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PROJECT: X=369231.63, Y=1473027.84, EL=5310.21

AS BUILT INFORMATION

CONTRACTOR

WORK STARTED BY DATE

INSPECTIONS ACCEPTANCE BY DATE

FIELD VERIFICATION BY DATE

AS BUILT DRAWINGS CORRECTED BY DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY WMJ DATE 6/11/96

DRAWN BY JLR DATE 6/11/96

CHECKED BY WMJ DATE 6/11/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

TRAFFIC CONTROL PLAN
STAGE IV B

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	7-9A	

YAL3514B 1"=50' 6/11/96

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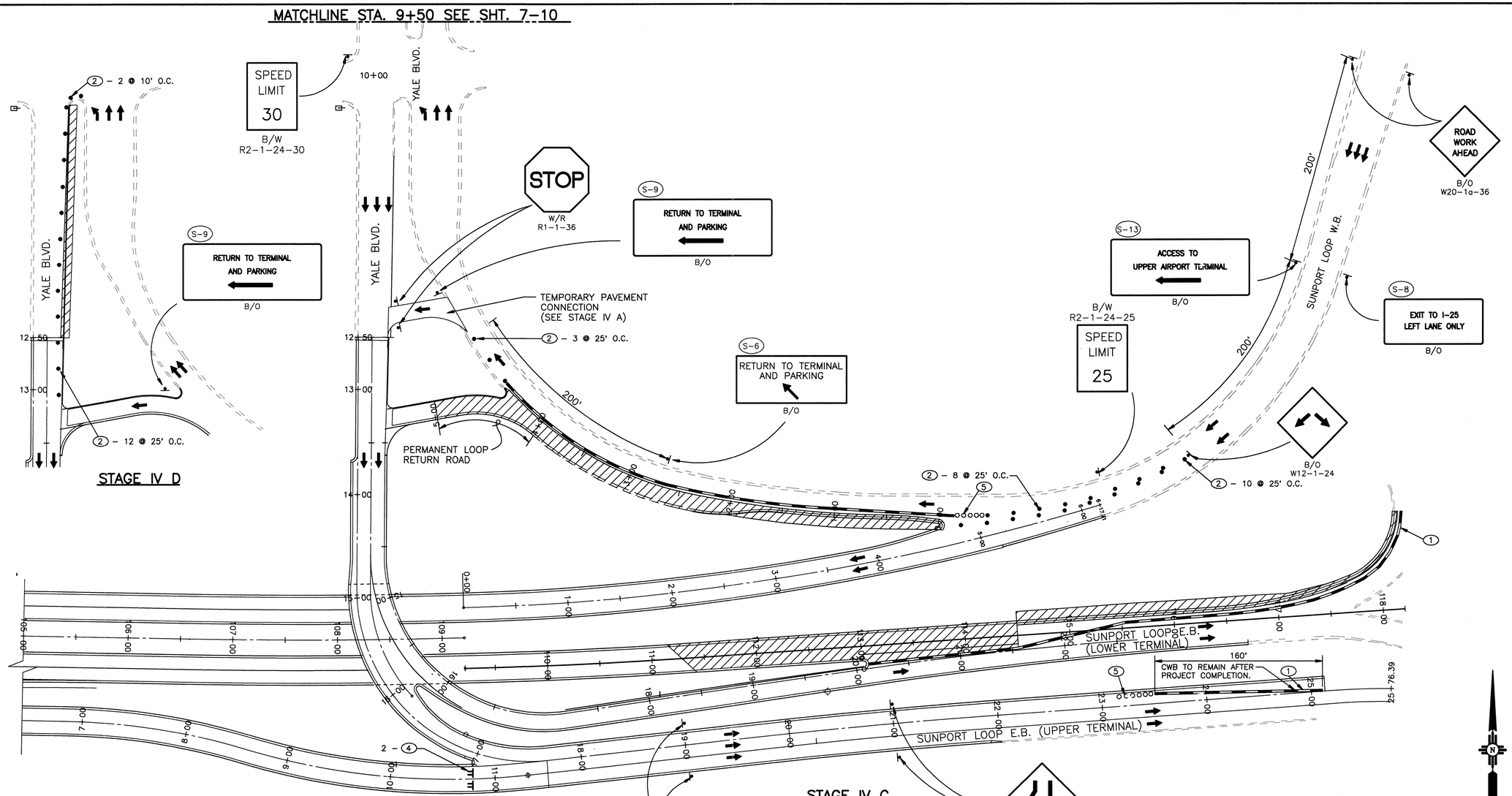
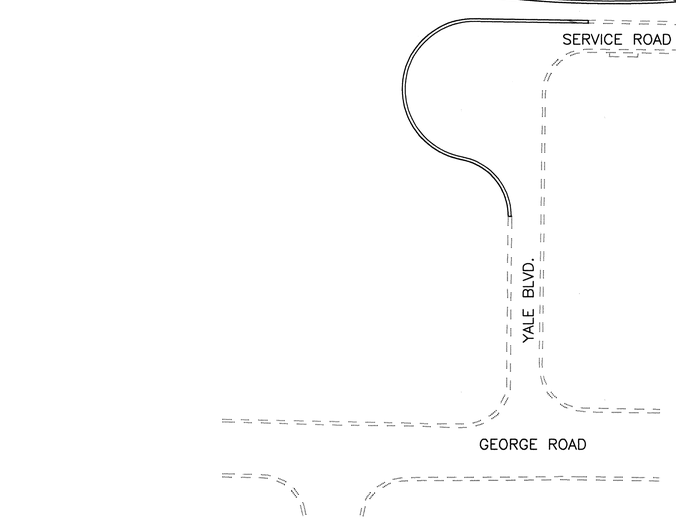
MATCHLINE STA. 9+50 SEE SHT. 7-10





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5	ooooooo	SAND BARREL VIA UNIT LINE ARRAY
6	H	VERTICAL PANEL (B-1aLR-8)
	▪	SIGN
	⬅ ➡	LANES OPEN TO TRAFFIC DURING THIS STAGE OF CONSTRUCTION
	▨	WORK ZONE

0 50 100
1" = 50' GRAPHIC SCALE

2d-40 44.91 1312 98

wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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CONTRACTOR
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INSPECTED BY
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DRAWINGS CORRECTED BY — DATE

BENCH MARKS
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PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY WMJ	DATE 6/11/96
		DRAWN BY JLR	DATE 6/11/96
		CHECKED BY WMJ	DATE 6/11/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II
TRAFFIC CONTROL PLAN
STAGE IV C & D

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	7-9B	

YAL35T4D 1"=50' 6/110/96

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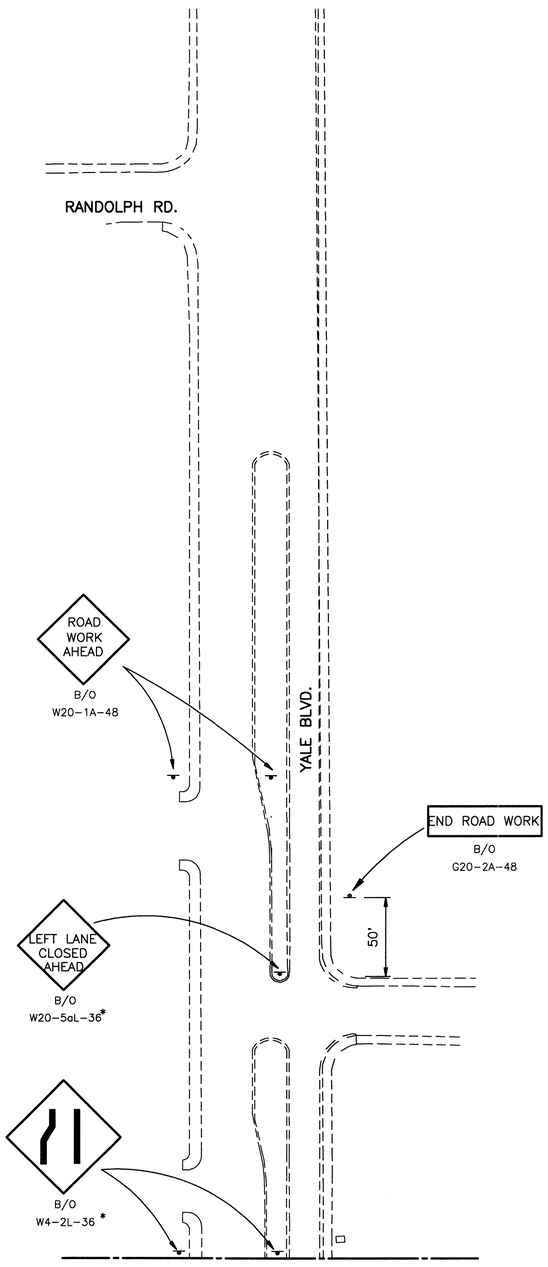

* STAGE IV

SIGN_4.DWG 1 = 50 5/14/96

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

BENCH MARKS

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PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

AS BUILT INFORMATION

CONTRACTOR STAKED BY DATE

INSPECTOR'S NOTATIONS BY DATE

FIELD VERIFICATION BY DATE

DRAWING CORRECTED BY DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

ENGINEER'S SEAL

NO.	DATE	REMARKS
		REVISIONS
		DESIGN
DESIGNED BY	WMJ	DATE 5/14/96
DRAWN BY	JLR	DATE 5/14/96
CHECKED BY	WMJ	DATE 5/14/96

0 50 100

1" = 50' GRAPHIC SCALE

26-4044.91 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

LEGEND

KEY	SYMBOL	DESCRIPTION
1		TEMPORARY PRECAST CONCRETE WALL BARRIER, TYPE II
2	•	CHANNELIZATION DEVICE, (DRUM) TYPE "H"
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6	H	VERTICAL PANEL (B-1aLR-8)
		SIGN
		LANES OPEN TO TRAFFIC DURING THIS STAGE OF CONSTRUCTION
		WORK ZONE

W M Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

TRAFFIC CONTROL PLAN
STAGE IV A, B, & C

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	7	10

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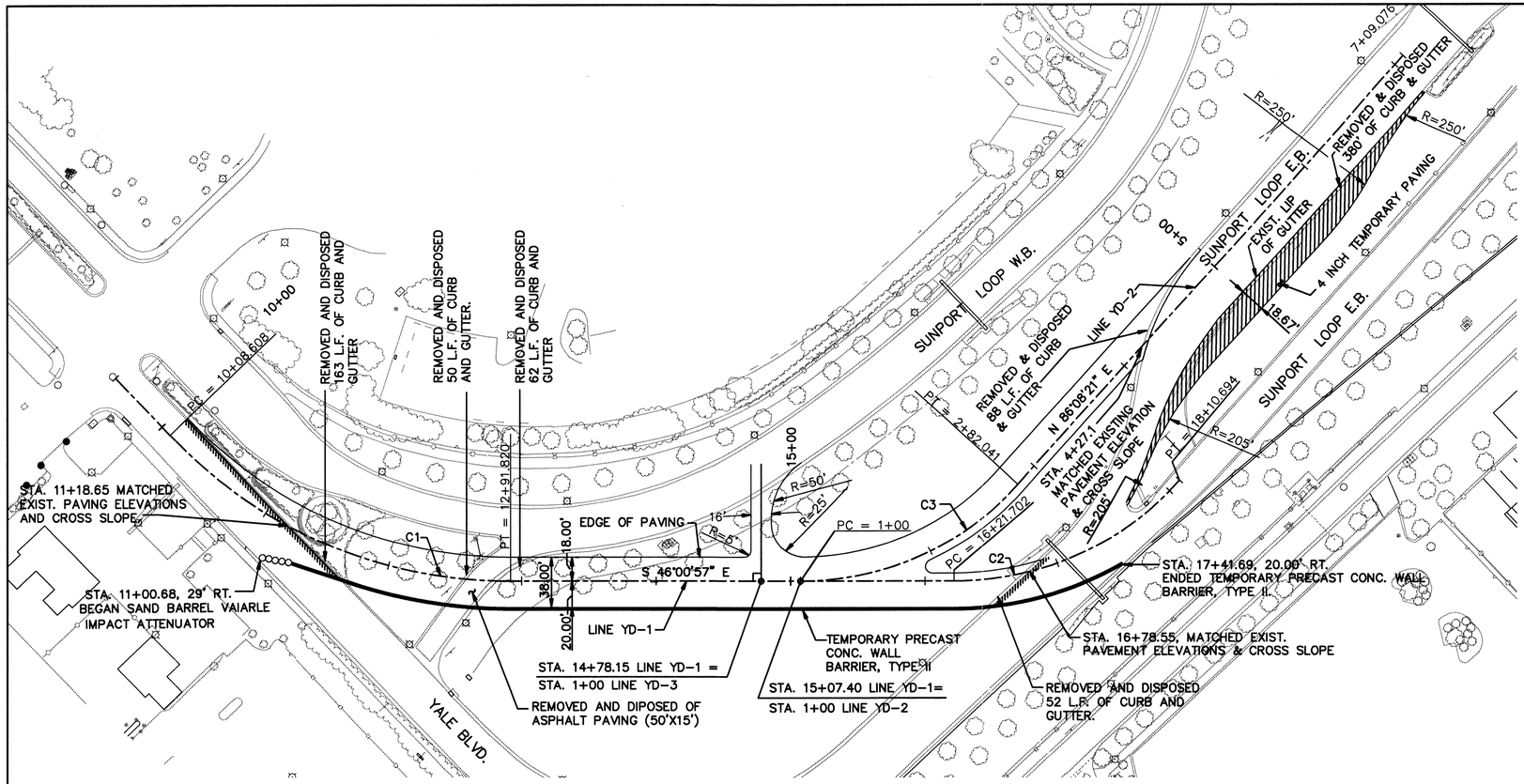
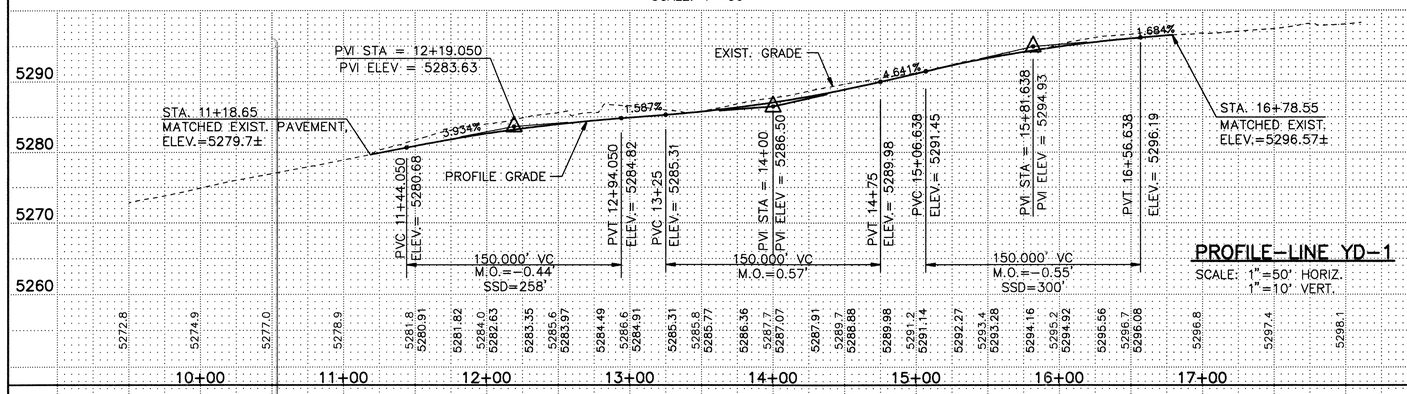


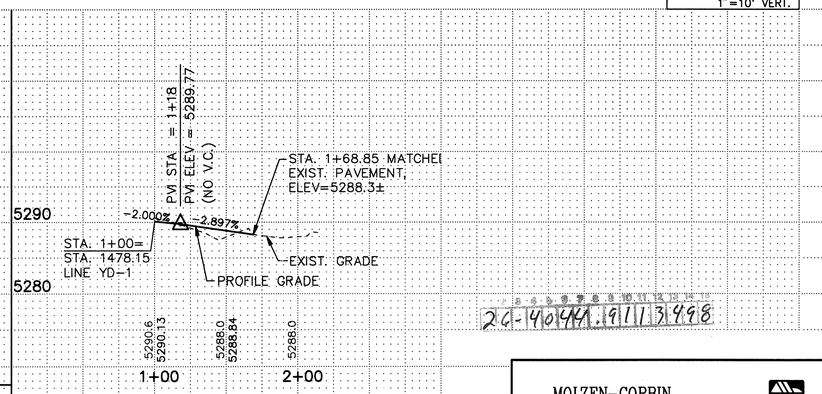
PLAN–YALE DETOUR

SCALE: 1"=50'



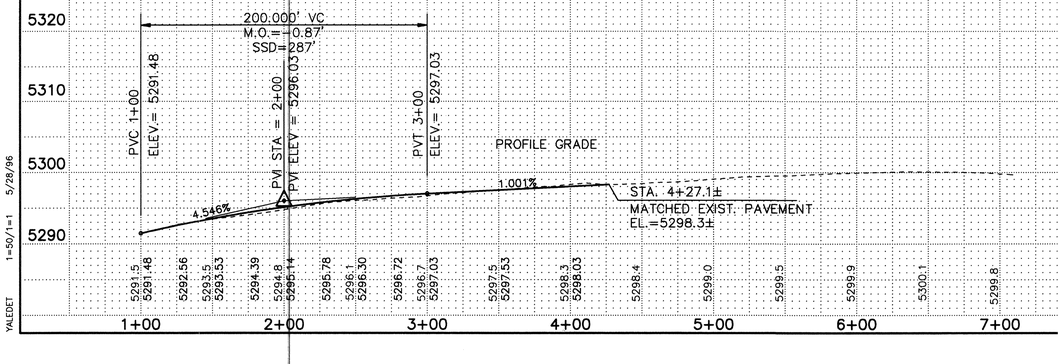
PROFILE–LINE YD–1

SCALE: 1"=50' HORIZ.
1"=10' VERT.



PROFILE–LINE YD–3

SCALE: 1"=50' HORIZ.
1"=10' VERT.



PROFILE–LINE YD–2

SCALE: 1"=50' HORIZ.
1"=10' VERT.

NOTES

1. THE REMOVAL OF CURB, GUTTER, PAVEMENT AND THE CONSTRUCTION OF THE DETOUR WAS SEQUENCED IN ACCORDANCE WITH THE TRAFFIC CONTROL PLANS AND CONSTRUCTION SEQUENCE.
2. TREES WERE REMOVED BY OTHERS.
3. IT WAS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE SPRINKLER HEADS AND IRRIGATION VAVLES, REMOVE AND RETURN THEM TO THE CITY PINO YARD BEFORE CONSTRUCTION OF THE DETOUR BEGAN.
4. FURNISH INSTALLED TEMPORARY STREETLIGHTING. USED 250 WATT HPS COBRA HEAD FIXTURES MOUNTED ON 35 FOOT WOOD POLES WITH SIX FOOT ARMS. POWERED FROM PORTABLE GENERATOR AND ARRANGED WITH PNM FOR ELECTRIC SERVICE. SPACE POLES @ 125' TO 150'.

CENTERLINE CURVE DATA					RADIUS POINT	
CURVE	RADIUS	DELTA	TANGENT	LENGTH	NORTHING	EASTING
C1	350.000'	46°21'45"	149.874'	283.212'	474172.1751	389302.1888
C2	225.000'	48°07'35"	100.474'	188.992'	473853.1443	389452.7416
C3	218.000'	47°50'42"	96.707'	182.041'	473927.4838	389365.6384

0 50 100
1" = 50'
GRAPHIC SCALE

SCALE: 1"=50' HORIZ.
1"=10' VERT.

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY / DATE
WORK ACCEPTED BY / DATE
FIELD VERIFICATION BY / DATE
DRAWINGS CORRECTED BY / DATE
RECORDED BY / DATE

BENCH MARKS
STATION "WEST", A BRASS TABLET STAMPED "WEST 19.39", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.83, Y=473027.84, EL.=5310.21

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY OV DATE 5/28/96
DRAWN BY OV DATE 5/28/96
CHECKED BY TDS DATE 5/28/96

26-40441.9111.3498

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

TRAFFIC CONTROL PLAN YALE BLVD. DETOUR & TEMP. PAVEMENT CONNECTION

RECORD DRAWING
DATE: 11/03/97 DRAFTED BY: O.V.

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Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	7–11	

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YALEDET 1=50/1=1 5/28/96

CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

1. CONTRACTOR MUST OBTAIN FROM CONSTRUCTION COORDINATION AN EXCAVATION/BARRICADING PERMIT BEFORE ENGAGING IN ANY CONSTRUCTION, MAINTENANCE OR REPAIR WORK IN ANY OF THE CITY OF ALBUQUERQUE'S RIGHTS-OF-WAY. EMERGENCY WORK THAT WOULD PRESERVE LIFE OR PROPERTY IS EXCLUDED WITH THE UNDERSTANDING, THAT A PERMIT SHALL BE OBTAINED WITHIN 24 TO 48 HOURS.

2. CONTRACTOR SHALL AT THE TIME OF PERMIT REQUEST, SUBMIT FOR APPROVAL BY CONSTRUCTION COORDINATION, A TRAFFIC CONTROL PLAN DETAILING ALL EXISTING TOPOGRAPHY SUCH AS LANE WIDTHS, DRIVEWAYS, AND BUSINESS/RESIDENTIAL ACCESSES. THE TRAFFIC CONTROL PLAN SHALL INCLUDE ALL PHASES OF WORK AND SCHEDULES INVOLVED IN THE CONSTRUCTION PROJECT. ANY SEPARATE PHASES OF A CONSTRUCTION PROJECT SHALL BE GIVEN AN INDIVIDUAL PERMIT EACH. BLANKET PERMITS WILL NOT BE ISSUED.

3. THESE TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, LANE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.

4. CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.

5. CONSTRUCTION COORDINATION SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY TRAFFIC CONTROL CHANGES NEEDED BY CONTRACTOR, THAT WERE NOT PREVIOUSLY APPROVED. THESE TRAFFIC CONTROL CHANGES SHALL BE REQUESTED IN WRITING ACCOMPANIED WITH A TRAFFIC CONTROL PLAN REFLECTING SUCH CHANGES.

6. ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION, PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

7. THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET-UP SHALL BE BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED WORKSITE TRAFFIC SUPERVISOR. THE MAINTENANCE AND SERVICING SHALL ALSO BE DONE BY AN ATSSA CERTIFIED WORKSITE TRAFFIC SUPERVISOR OR EQUIVALENT.

8. CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT. CONTRACTOR IS RESPONSIBLE THAT ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE MUTCD, LATEST EDITION.

9. ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE ARE MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.

10. ALL BARRICADES IN ALL TAPERS AND TANGENTS SHALL BE PLACED APART, A DISTANCE MEASURED IN FEET, EQUAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY CONSTRUCTION COORDINATION PER MUTCD SECTION 6A-4.

11. CONTRACTOR SHALL NOT BEGIN WORK BEFORE 7:00 A.M. OR END WORK AFTER 7:00 P.M. WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.

12. CONTRACTOR IS RESPONSIBLE TO PROVIDE CONSTRUCTION COORDINATION, A WEEKLY LOG OF DAILY INSPECTIONS OF BARRICADE AND MAINTENANCE SCHEDULES ON PROJECTS THAT ARE OVER ONE WEEK DURATION.

13. EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELLED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.

14. CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.

15. CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.

16. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.

17. CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCTION COORDINATION. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE OPAQUE LETTERING ON BLUE REFLECTORIZED BACKGROUND. ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BID AND NOT PART OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSINESSES SHALL BE LISTED ON A ACCESS SIGN. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.

18. ALL ADVANCE WARNING SIGNS SHALL MEET THE MINIMUM REFLECTIVE INTENSITY REQUIREMENTS SET FORTH BY THE CITY OF ALBUQUERQUE. CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

19. 24 HOURS PRIOR TO OCCUPYING OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.

20. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

21. EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.

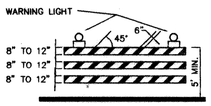
22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
    1. STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
    2. THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
    3. SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.

23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

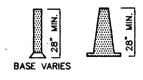
24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION. WASHING OF EQUIPMENT IS INCIDENTAL TO IT'S PLACEMENT AND MAINTENANCE.

25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

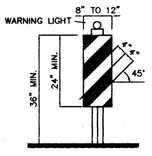
26. ADVANCE WARNING SIGNS SHALL BE 36"x36" WITH SUPER ENGINEERING GRADE SHEETING OR BETTER.



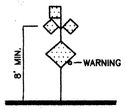
TYPE III BARRICADE



CONES



VERTICAL PANEL

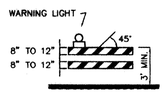


HIGH LEVEL WARNING DEVICE

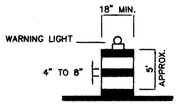
LEGEND

- WORK AREA
- BARRICADE – TYPE I, TYPE II, OR BARREL
- BARRICADE – TYPE III
- X VERTICAL PANEL
- WARNING SIGN
- D DISTANCE BETWEEN SIGNS – A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
- FLAGMAN POSITION
- S SPACING BETWEEN BARRICADES– A DISTANCE MEASURED IN FEET EQUAL TO THE SPEED LIMIT OF THE STREET
- L TAPER LENGTH – SEE CHART BELOW

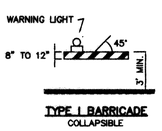
THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET.



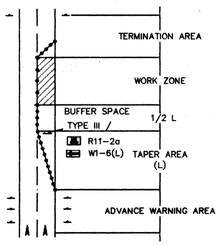
TYPE II BARRICADE
COLLAPSIBLE



BARREL



TYPE I BARRICADE
COLLAPSIBLE



TRAFFIC CONTROL ELEMENTS

TAPER REQUIREMENTS

SPEED LIMIT (MPH)	TAPER LENGTH (L) (FEET) 10' LANE	11' LANE	12' LANE	MINIMUM NUMBER OF DEVICES FOR TAPER	MAXIMUM DEVICE SPACING IN FEET: ALONG TAPER	AFTER TAPER
20	70	75	80	5	20	20
25	105	115	125	6	25	25
30	150	165	180	7	30	30
35	205	225	245	8	35	35
40	270	295	320	9	40	40
45	450	495	540	13	45	45
50	500	550	600	13	50	50
55	550	605	660	13	55	55

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT. THESE DRAWINGS WERE ORIGINALLY PREPARED IN CADD FORMAT AND APPROVED FOR CONSTRUCTION BY THE CITY ENGINEER ON 5/30/96. DRAWINGS INCLUDED IN THIS SET WHICH DO NOT HAVE ORIGINAL DRC SIGNATURES HAVE BEEN MODIFIED AND REPLOTTED FOR RECORD DRAWING PURPOSES.

RECOMMENDED SIGN SPACING(D) FOR ADVANCE WARNING SIGN SERIES

SPEED MILES PER HOUR	MINIMUM DISTANCE IN FEET BETWEEN SIGNS	FROM LAST SIGN TO TAPER
0-20	10 X SPEED LIMIT	10 X SPEED LIMIT
25-30	10 X SPEED LIMIT	10 X SPEED LIMIT
30-35	10 X SPEED LIMIT	10 X SPEED LIMIT
40-45	10 X SPEED LIMIT	10 X SPEED LIMIT
50-60	10 X SPEED LIMIT	10 X SPEED LIMIT

TAPER CRITERIA

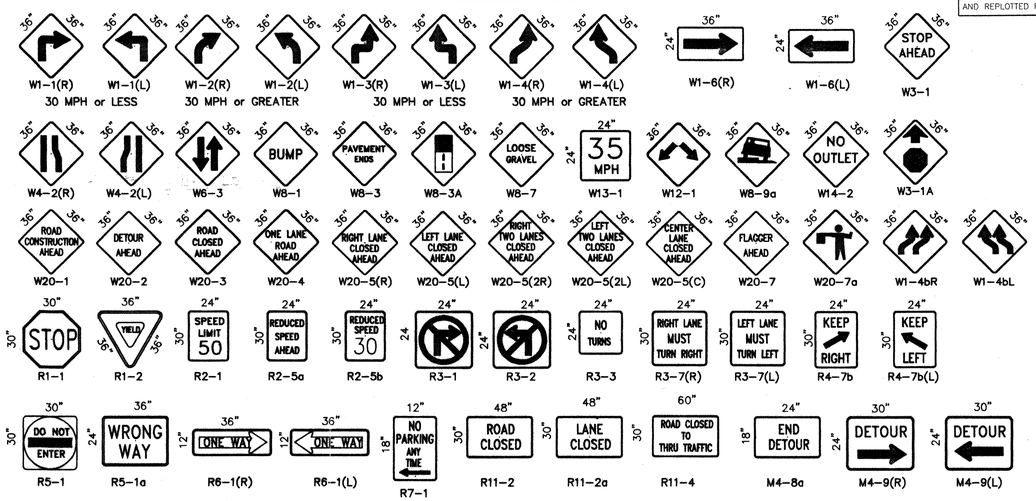
TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

SPEED LIMIT	
40 MPH OR LESS	$L = \frac{WS^2}{60}$
45 MPH OR GREATER	$L = W \times S$

L = TAPER LENGTH
W = WIDTH OF OFFSET IN FEET
S = POSTED SPEED OR OFF-PEAK 85-PERCENTILE SPEED IN MPH

SIGN FACE DETAILS



ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

AS BUILT INFORMATION
CONTRACTOR — DATE
WORK STAKED BY — DATE
ACCEPTANCE BY — DATE
FIELD DRAWINGS BY — DATE
CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES BY — DATE
NO.

ENGINEER'S SEAL

REMARKS / REVISIONS / DESIGN — NO. — DATE — BY

DESIGNED BY — DATE
DRAWN BY — C.O.A. STANDARDS — DATE
CHECKED BY — DATE

26-4044.91 1 3 5 7 8

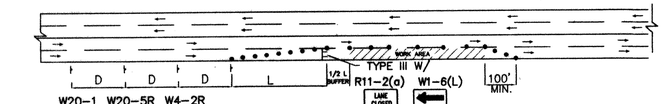
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:
SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS

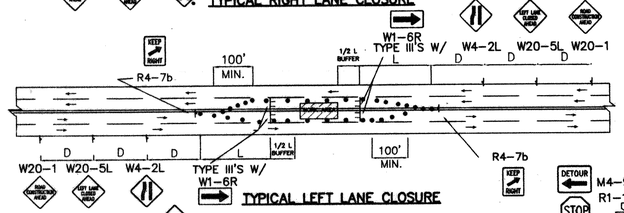
DESIGN REVIEW COMMITEE: APPROVED MAY 30 1998 DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL: APPROVED CITY ENGINEER
LAST UPDATE: MO./DAY/YR. | MO./DAY/YR.

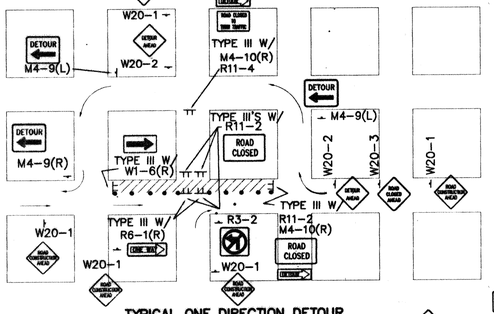
PROJECT NO. 4044.91
MAP NO. M-15&16
SHEET 7-12 OF

CTCSTND1.DWG

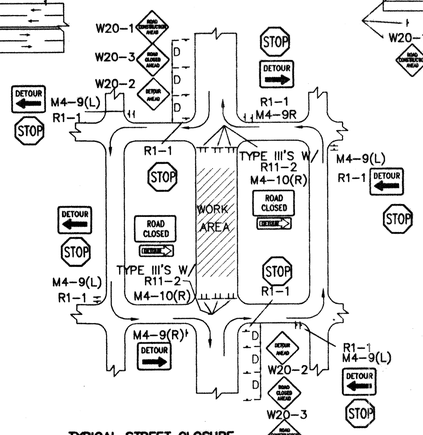


TYPICAL RIGHT LANE CLOSURE



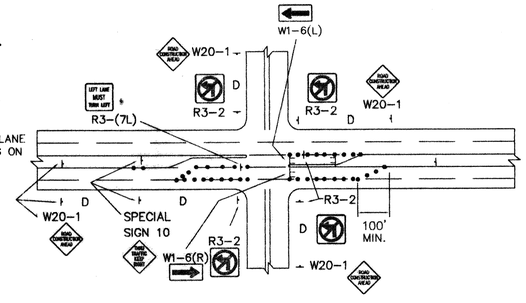


TYPICAL ONE DIRECTION DETOUR



TYPICAL STREET CLOSURE

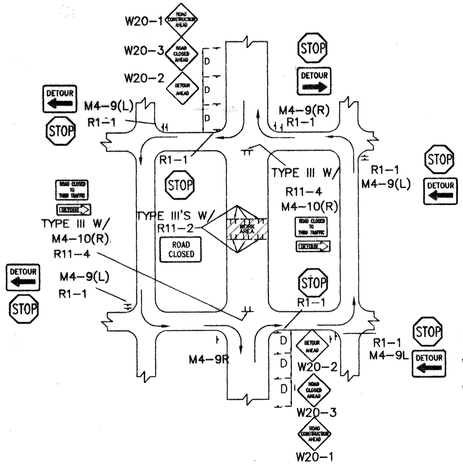
NOTE: (R1-1) BASED ON FIELD CONDITIONS.



NOTE:
MAY REQUIRE LEFT LANE CLOSURE DEPENDING ON FIELD CONDITIONS.

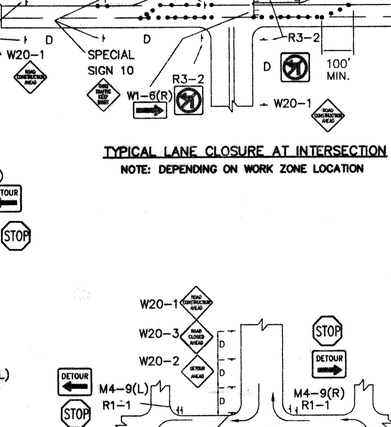
TYPICAL LANE CLOSURE AT INTERSECTION

NOTE: DEPENDING ON WORK ZONE LOCATION



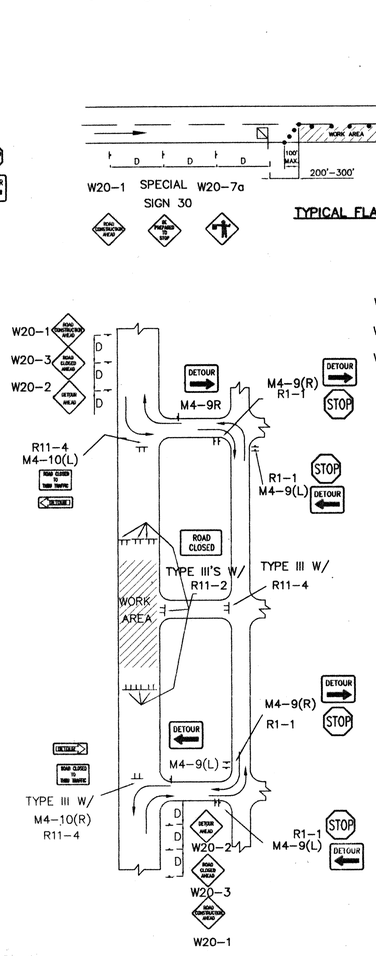
TYPICAL MID-BLOCK CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.



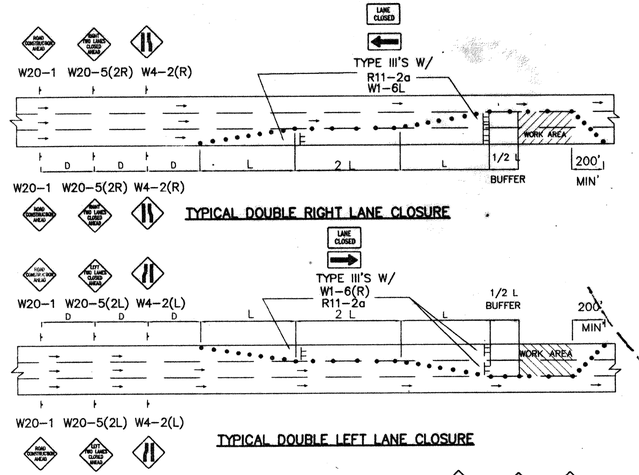
TYPICAL STREET CLOSURE

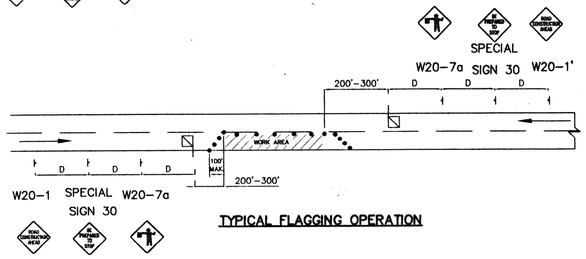
NOTE: (R1-1) BASED ON FIELD CONDITIONS.

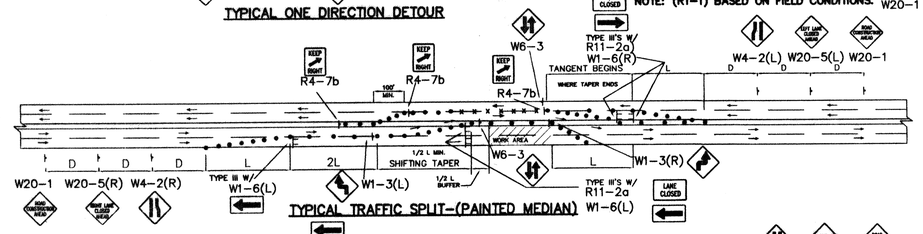


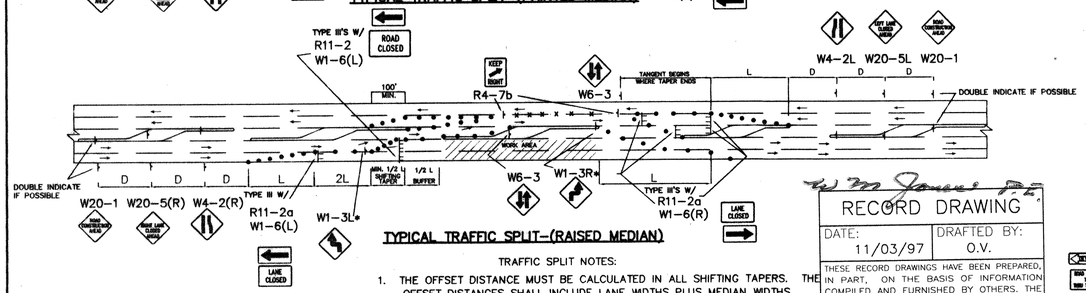
TYPICAL STREET CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.



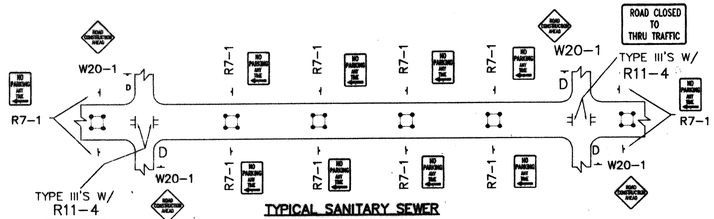






TRAFFIC SPLIT NOTES:

1. THE OFFSET DISTANCE MUST BE CALCULATED IN ALL SHIFTING TAPERS. THE OFFSET DISTANCES SHALL INCLUDE LANE WIDTHS PLUS MEDIAN WIDTHS.
2. 1/2 L IS MINIMUM DISTANCE FOR SHIFTING TAPERS.
3. REVERSE CURVES MAY BE IMPLEMENTED. ALL CURVE DATA SHALL BE CALCULATED.
4. MEDIAN REMOVAL SHALL BE REQUIRED IF 1/2 L OR REVERSE CURVE IS NOT SUFFICIENT. MEDIAN REMOVAL SHALL TAKE PLACE BEFORE SPLITS.
5. REDUCED SPEED MAY BE CONSIDERED.
6. * USE W1-3 FOR 30 MPH OR LESS, W1-4 FOR SPEED 35 MPH OR GREATER.



- ALL PITS TO HAVE TYPE-A FLASHING LIGHTS.
- ALL PITS TO HAVE FLAGLINE.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT. THESE DRAWINGS WERE ORIGINALLY PREPARED IN CADD FORMAT AND APPROVED FOR CONSTRUCTION BY THE CITY ENGINEER ON 5/30/96. DRAWINGS INCLUDED IN THIS SET WHICH DO NOT HAVE ORIGINAL DRC SIGNATURES HAVE BEEN MODIFIED AND REPLOTTED FOR RECORD DRAWING PURPOSES.

GENERAL NOTE:

ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

ALL ADVANCE WARNING SIGNS SHALL BE A MINIMUM OF FORTY EIGHT (48) INCHES BY FORTY EIGHT (48) INCHES IN SIZE AND SHALL HAVE ONE WARNING LIGHT.

2 3 4 5 6 7 8 9 10 11 12 13 14 15
216-9999-9111-3698

AS BUILT INFORMATION
CONTRACTOR DATE
WORK STARTED BY DATE
INSPECTED BY DATE
ACCEPTANCE BY DATE
AS-BUILTED BY DATE
VERIFICATION BY DATE
DRAWINGS DONE BY DATE
DOCUMENTS BY
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
RICHARD D. ROTHMAN NEW MEXICO 5985 REGISTERED PROFESSIONAL ENGINEER

REMARKS
REVISIONS
DESIGN BY
C.O.A. STANDARDS DATE
DRAWN BY DATE
CHECKED BY DATE
NO. DATE BY

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:
TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF. M.U.T.C.D.)

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST UPDATE	MO./DAY/YR	MO./DAY/YR
APPROVED MAY 30 1996 DESIGN REVIEW COMMITTEE	APPROVED MAY 30 1996 CITY ENGINEER			

PROJECT NO. 4044.91
MAP NO. M-15&16
SHEET OF 7-13

CTCSTND2.DWG

SIGN CODE	NO. OF SIGNS	TOTAL SIGN AREA SQ.FT.	POST LENGTHS				MOUNTING REQUIREMENTS						BASE–POSTS	
							FLANGED CHANNEL			DRIVEDOWN POSTS 0.1345 THICK				
			LEFT	CTR.	RIGHT	TOTAL	2.25 LB/FT	3.00 LB/FT	4.00 LB/FT	2 1/2 x 2 3/16	2 1/2 x 2 1/2	PORTABLE SIGN SUPPORT	NO.	TOTAL LENGTH
R1–1–36	(2)	18										2		
R2–1–24–25	(2)	10										1		
R2–1–24–30	(2)	10										3		
W4–2L–36	(4)	36										2		
W20–1a–36	(4)	36												
W20–5aL–36	(2)	18										2		
W21–5a–36	(7)	63										2		
W12–1–36	(1)	9										5		
G20–2A–48	(5)	32										5		
R11–6–48	(3)	30												
R11–2–48	(14)	70.0												
S–1	(1)	10.0										1		
S–2	(1)	17.5										2		
S–3	(1)	15.75										2		
S–4	(1)	12.50										2		
S–5	(1)	13.75										2		
S–6	(1)	17.50										2		
S–7	(1)	12.0										2		
S–8	(1)	9.0										1		
S–9	(2)	35.0										2		
S–10	(1)	7.5										1		
S–11	(2)	40.0										2		
S–12	(1)	24.0										1		
S–13	(3)	60.0										3		
TOTAL		606.5										45		

SUMMARY OF QUANTITIES

ITEM NO.	BID ITEM	UNITS	QUANTITY	TOTAL
606600	TEMPORARY CONCRETE WALL BARRIER	L.F.	1,810	
606619	RESETTING OF CONCRETE WALL BARRIER	L.F.	1,410	
702000	CONSTRUCTION SIGNING	SQ. FT.	606.5	
702145	PORTABLE SIGN SUPPORT	EACH	45	
702238	BARRICADE TYPE III – 8'	EACH	15	
702520	CHANNELIZATION DEVICES (BARREL) TYPE "H"	EACH	35	
704100	REMOVABLE MARKING TAPE	L.F.	600	
720100	SAND BARREL VEHICULAR IMPACT ATTENUATOR	EACH	4	

NOTES:

1. TRAFFIC CONTROL PLAN AND QUANTITIES VARIED AS FIELD CONDITIONS DICTATED. THE CONTRACTOR WAS PAID FOR ACTUAL QUANTITIES USED. PLACING, RELOCATION, AND MAINTENANCE OF TRAFFIC CONTROL DEVICES AS SHOWN ON THE PLAN, OR AS DIRECTED BY THE PROJECT MANAGER WERE INCIDENTAL TO THE UNIT PAID.
2. ALL TRAFFIC CONTROL DEVICES FOR DETOURS COMPLIED WITH NMSH & TD STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION–SECTION 702 (1994 EDITION) AND CHAPTER VI OF THE 1988 EDITION OF THE MUTCD.
3. ALL CONSTRUCTION SIGNING IS BLACK ON REFLECTIVE ORANGE UNLESS OTHERWISE SPECIFIED. ALL CONSTRUCTION BARRICADES AND CHANNELIZATION DEVICES ARE ORANGE ON WHITE REFLECTORIZED UNLESS OTHERWISE SPECIFIED.
4. BID ITEM–(STEEL POSTS AND BASE POSTS FOR DETOUR SIGNS). THE CONTRACTOR HAD THE OPTION OF SUPPLYING EITHER THE FLANGED CHANNEL OR THE DRIVEDOWN POST AS PER NEW MEXICO STATE HIGHWAY & TRANSPORTATION DEPARTMENT STANDARD SERIALS, REFER TO SERIALS SN 75–1 AND DRAWING NUMBER 33.
5. BID ITEM–(TYPE III BARRICADE–6'OR 8'). TYPE III BARRICADES ARE ORANGE ON WHITE REFLECTORIZED. ATTACHED TYPE "A" FLASHING BEACONS. PLYWOOD ARROW AND ROAD CLOSED SIGNS ARE INCIDENTAL TO BID PRICE. BID UNIT–PER EACH.
6. BID ITEM–(TYPE I BARRICADE–8'). TYP I BARRICADE ARE ORANGE ON WHITE REFLECTORIZED. ATTACHED HIGH INTENSITY FLASHING BEACON ARE TO BE INCIDENTAL TO BID PRICE. BID UNIT–PER EACH.
7. BID ITEM–(VERTICAL PANELS, SINGLE TYPE OR BACK TO BACK 8"x24"). VERTICAL PANELS ARE ORANGE ON WHITE REFLECTORIZED SHEETING .060 MIN 6061 T–6. PANELS WERE MOUNTED ON DRIVE–DOWN POST EITHER 3' DRIVE OR ON STANCHION. BID UNIT–PER EACH.
8. FLAGGING WAS PROVIDED FOR SAFETY AND/OR AS DIRECTED BY THE PROJECT MANAGER. FLAGGERS USED STOP/SLOW PADDLES (18"x18" MIN) IN ACCORDANCE WITH THE MUTCD. THE FLAGGERS, APPLICABLE SIGNS AND OTHER RELATED ITEMS WERE CONSIDERED INCIDENTAL TO CONSTRUCTION, NO PAYMENT OR MEASURMENT WAS MADE THERFORE.

( ) INDICATES SIGN AND/OR SUPPORT USED IN MULTIPLE CONSTRUCTION PHASES AND NO ADDITIONAL PAYMENT THEREFORE WAS MADE

* SIGN MOUNTED ON COMMON POST w/OTHER SIGN(S)

W M Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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AS BUILT INFORMATION

CONTRACTOR — DATE
WORK STAKED BY — DATE
INSPECTED BY — DATE
ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO–FILM INFORMATION

RECORDED BY — DATE
NO.

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1939". SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)

PROJECT: X=389231.63, Y=473027.84, EL=5310.21

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY MJ — DATE 6/26/96
DRAWN BY STAFF — DATE 6/26/96
CHECKED BY TS — DATE 6/26/96

MOLZEN–CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

TRAFFIC CONTROL PLAN ESTIMATED QUANTITIES

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	7–14.1	

TRAFCONT1.DWG 1=1 6/26/96

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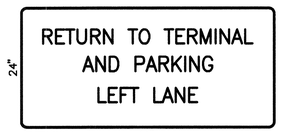
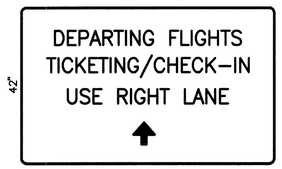
S-1



4" C
4" C
4" C

S-2



4" C
4" C
4" C
9" ARROW, 2 5/8" SHAFT

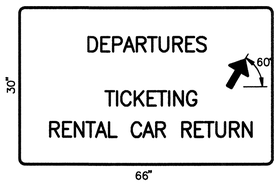
S-3

4" C
4" C
4" C
9" ARROW, 2 5/8" SHAFT

S-4

4" C
9" ARROW, 2 5/8" SHAFT
4" C
4" C

S-5



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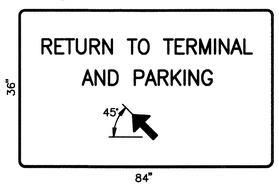
9" ARROW, 2 5/8" SHAFT
4" C
4" C

S-6



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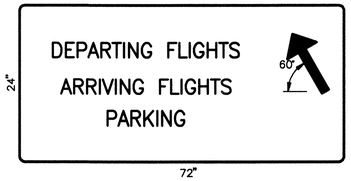
5" C
9" ARROW, 2 5/8" SHAFT

S-7



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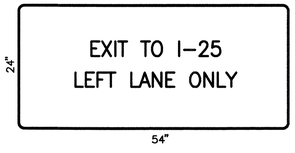
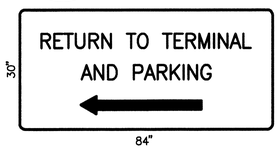
18" ARROW, 2 5/8" SHAFT
4" C
4" C

S-8



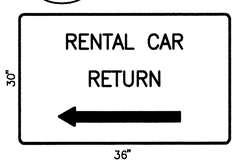
4" C
4" C

S-9



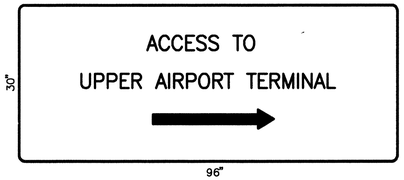
4" C
4" C
12" ARROW, 2" SHAFT

S-10



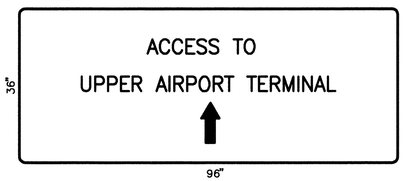
4" C
4" C
12" ARROW, 2" SHAFT

S-11



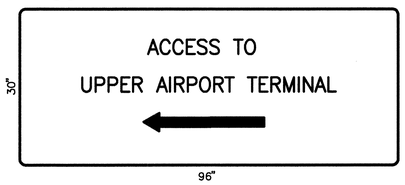
4" C
4" C
12" ARROW, 2" SHAFT

S-12



4" C
4" C
9" ARROW, 2" SHAFT

S-13



4" C
4" C
12" ARROW, 2" SHAFT

AS BUILT INFORMATION

BENCHMARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)

PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

CONTRACTOR
FIELD STAKED BY — DATE
INSPECTORS
CHANGES BY — DATE
FIELD
VERIFICATION BY — DATE
DRAWING
CORRECTED BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

RECORD DRAWING

DATE: 11/03/97 | DRAFTED BY: O.V.

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26-4044.91 1 3 8 9 8

NO.	DATE	REMARKS	BY
1	6/13/96	ADDED SIGNS (S-7 THROUGH S-13)	WMJ

REVISIONS

DESIGN		DATE 6/11/96
DESIGNED BY	MWJ	
DRAWN BY	JLR	DATE 6/11/96
CHECKED BY	MWJ	DATE 6/11/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

TRAFFIC CONTROL PLAN
SPECIAL SIGN FACE DETAILS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	7-15.1	

CADSGNF1.DWG 1 = 1 6/11/96

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KEYED NOTES

1. APPLIED PLASTIC BARRIER LINE – 4" WHITE SOLID
2. APPLIED PLASTIC LANE LINE – 4" WHITE BROKEN, 10' STRIPE, 30' SKIP
3. APPLIED PLASTIC BARRIER LINE – 4" YELLOW SOLID
4. APPLIED PLASTIC BARRIER LINE – 8" WHITE SOLID
5. APPLIED PLASTIC LEFT TURN ARROW – WHITE
6. APPLIED PLASTIC RIGHT TURN ARROW – WHITE
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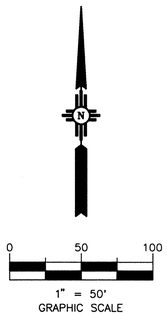
10. APPLIED PLASTIC LANE LINE – 4" WHITE SOLID
11. PAINTED CURB RADIUS YELLOW (INCIDENTAL TO STRIPING ITEM)
12. APPLIED PLASTIC COMBINATION ARROW (THRU & LEFT)

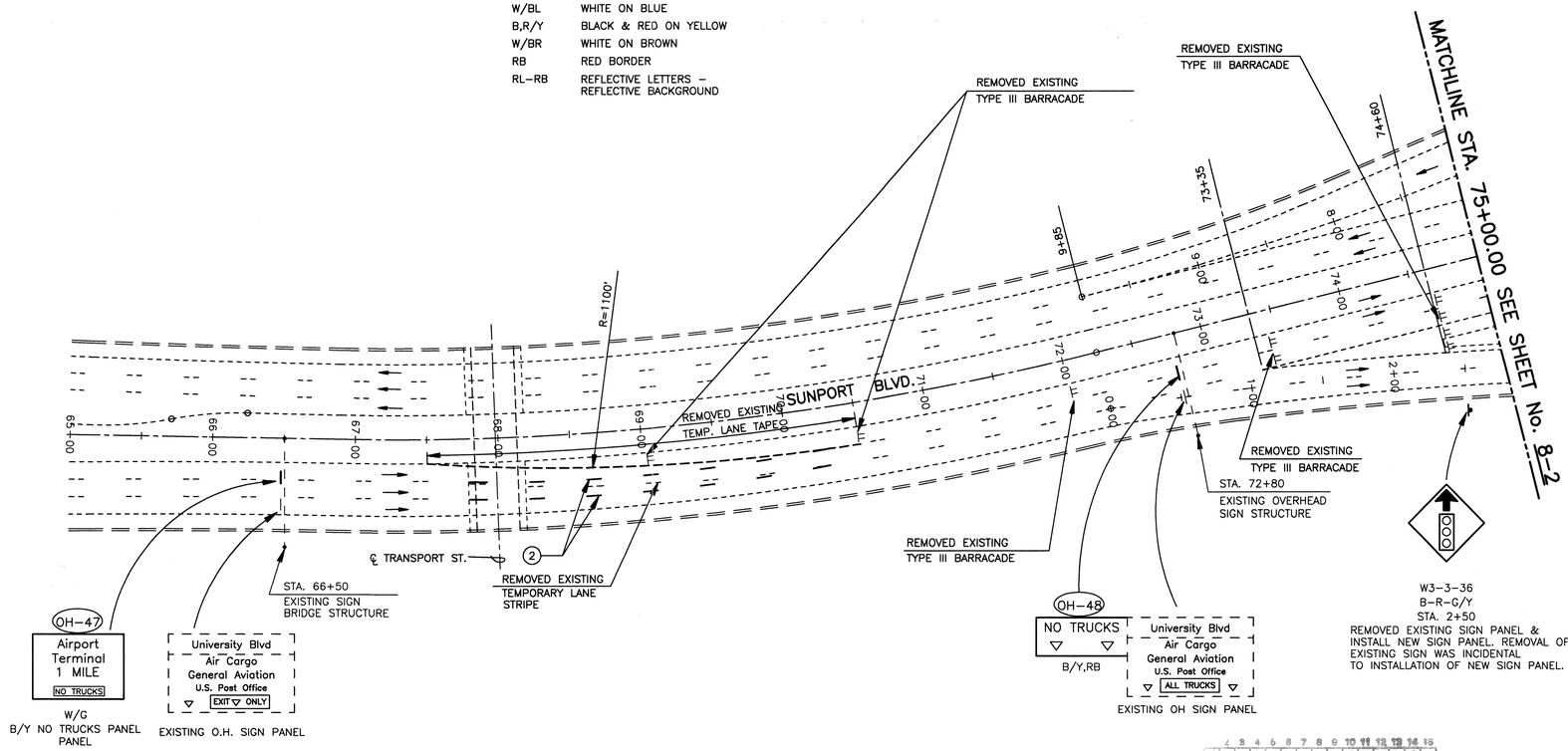
LEGEND

EXISTING	PROPOSED	
		SIGN
		CANTILEVER SIGN STRUCTURE
		SIGN BRIDGE STRUCTURE
		TRAFFIC FLOW ARROW
	(S-23)	SPECIAL SIGN IDENTIFICATION NUMBER
	(OH-21)	OVERHEAD SIGN IDENTIFICATION NUMBER

SIGN COLOR LEGEND:

B/W	BLACK ON WHITE
B/Y	BLACK ON YELLOW
W/G	WHITE ON GREEN
W/BL	WHITE ON BLUE
B,R/Y	BLACK & RED ON YELLOW
W/BR	WHITE ON BROWN
RB	RED BORDER
RL-RB	REFLECTIVE LETTERS – REFLECTIVE BACKGROUND





NOTE: REMOVAL OF BARRICADES & TEMPORARY LANE TAPE WAS INCIDENTAL & NO ADDITIONAL PAYMENT WAS MADE.

2G-4044.91/13998

W.M. Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

BENCH MARKS

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PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

AS BUILT INFORMATION

CONTRACTOR	
WORK STAKED BY	DATE
INSPECTION'S ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWING CORRECTED BY	DATE

MICRO-FILM INFORMATION

RECORDED BY: DATE:

NO.

ENGINEER'S SEAL

NO.	REVISIONS	DATE	BY
	DESIGN	5/24/96	WMJ
	REMARKS	5/24/96	STAFF
		5/24/96	TDS

DESIGNED BY WMJ
DRAWN BY STAFF
CHECKED BY TDS

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

PERMANENT SIGNING & STRIPING PLAN
STA. 65+00.00 TO STA. 75+00.00
SUNPORT BOULEVARD

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 4044.91 | Zone Map No. M15&16 | Sheet 8-1 Of

P:\SIGN1.DWG 1=50 5/24/96

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KEYED NOTES:

1. APPLIED PLASTIC BARRIER LINE – 4" WHITE SOLID
2. APPLIED PLASTIC LANE LINE – 4" WHITE BROKEN, 10' STRIPE, 30' SKIP
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5. APPLIED PLASTIC LEFT TURN ARROW – WHITE
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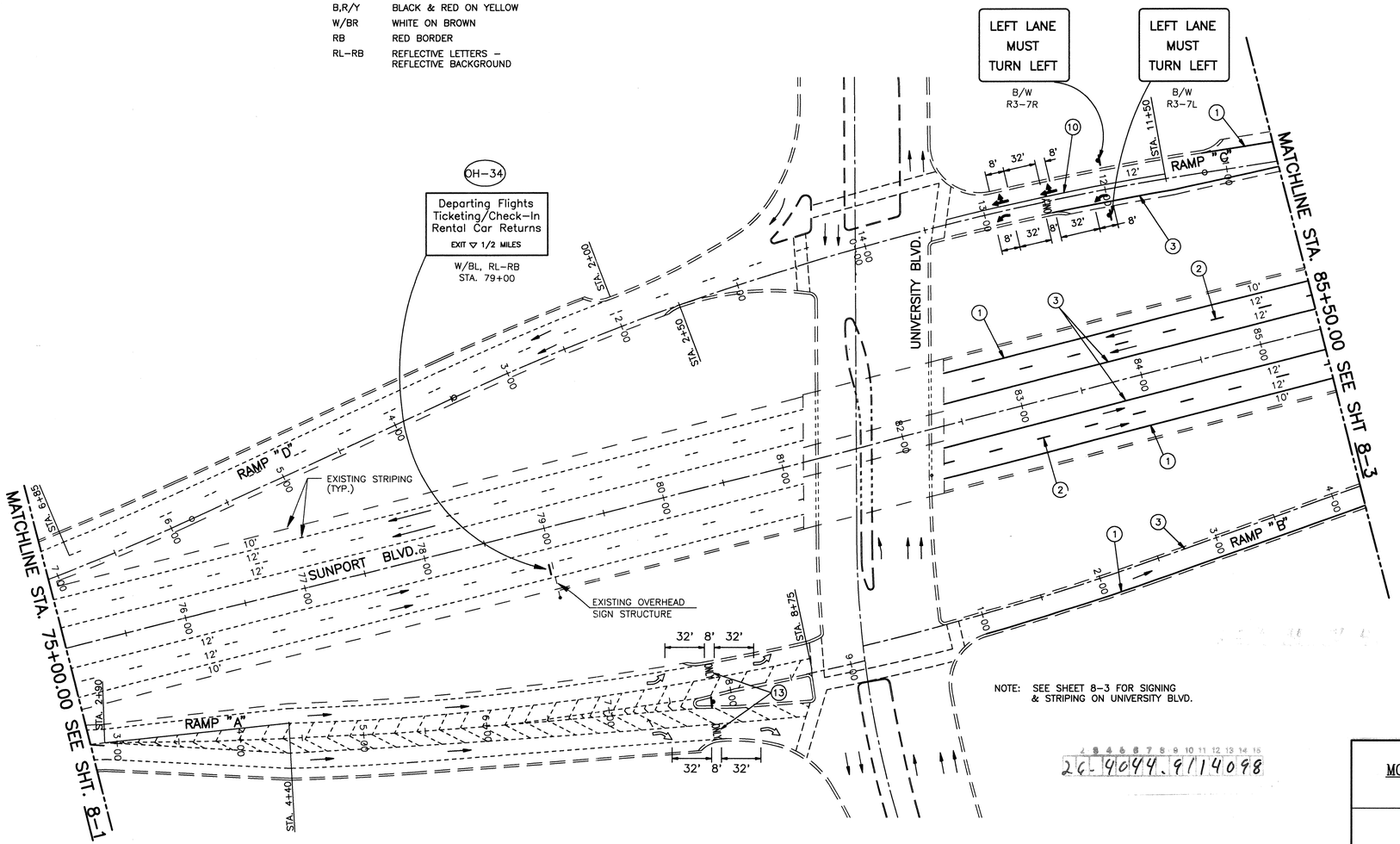
10. APPLIED PLASTIC LANE LINE – 4" WHITE SOLID
11. PAINTED CURB RADIUS YELLOW (INCIDENTAL TO STRIPING ITEM)
12. APPLIED PLASTIC COMBINATION ARROW (THRU & LEFT)
13. APPLIED PLASTIC WORD "ONLY" – WHITE

LEGEND

EXISTING	PROPOSED	
		SIGN
		CANTILEVER SIGN STRUCTURE
		SIGN BRIDGE STRUCTURE
		TRAFFIC FLOW ARROW
	(S-23)	SPECIAL SIGN IDENTIFICATION NUMBER
	(OH-21)	OVERHEAD SIGN IDENTIFICATION NUMBER

SIGN COLOR LEGEND:

B/W	BLACK ON WHITE
B/Y	BLACK ON YELLOW
W/G	WHITE ON GREEN
W/BL	WHITE ON BLUE
B,R/Y	BLACK & RED ON YELLOW
W/BR	WHITE ON BROWN
RB	RED BORDER
RL-RB	REFLECTIVE LETTERS – REFLECTIVE BACKGROUND



NOTE: SEE SHEET 8-3 FOR SIGNING & STRIPING ON UNIVERSITY BLVD.

0 50 100
1" = 50'
GRAPHIC SCALE

26-9044.91\4098

wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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ENGINEER'S SEAL

AS BUILT INFORMATION

CONTRACTOR		
STAKED BY		DATE
INSPECTOR'S AS-STAKES BY		DATE
FIELD VERIFICATION BY		DATE
AS-BUILTED CORRECTED BY		DATE

MICRO-FILM INFORMATION

RECORDED BY: DATE:
NO.

BENCH MARKS

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PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY WMJ	DATE 5/30/96
		DRAWN BY STAFF	DATE 5/30/96
		CHECKED BY TDS	DATE 5/30/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

PERMANENT SIGNING & STRIPING PLAN
STA. 75+00.00 TO STA. 85+50.00
SUNPORT BOULEVARD

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	8-2	

P3SIGN2.DWG 1=50 5/30/96

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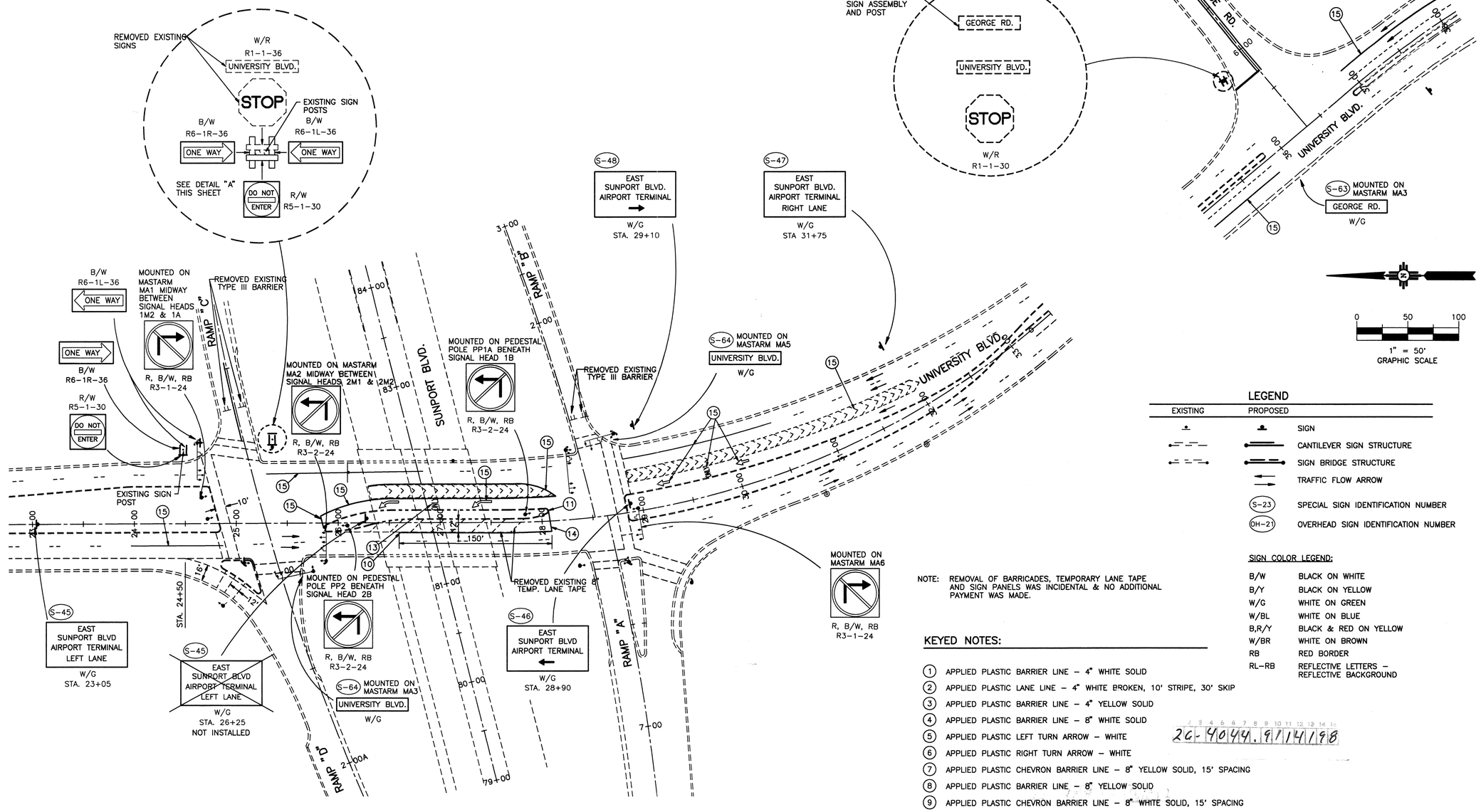
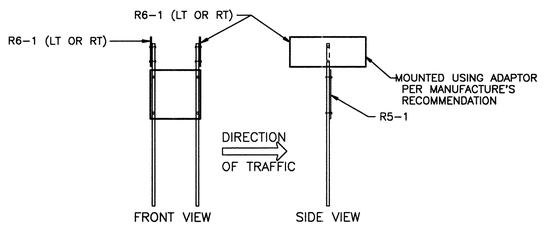


NOTE: SEE SHEET 8-2 FOR SIGNING & STRIPING ON SUNPORT. BLVD.



DETAIL A

LEGEND

EXISTING	PROPOSED	
		SIGN
		CANTILEVER SIGN STRUCTURE
		SIGN BRIDGE STRUCTURE
		TRAFFIC FLOW ARROW
	(S-23)	SPECIAL SIGN IDENTIFICATION NUMBER
	(OH-21)	OVERHEAD SIGN IDENTIFICATION NUMBER

SIGN COLOR LEGEND:

B/W	BLACK ON WHITE
B/Y	BLACK ON YELLOW
W/G	WHITE ON GREEN
W/BL	WHITE ON BLUE
B,R/Y	BLACK & RED ON YELLOW
W/BR	WHITE ON BROWN
RB	RED BORDER
RL-RB	REFLECTIVE LETTERS – REFLECTIVE BACKGROUND

NOTE: REMOVAL OF BARRICADES, TEMPORARY LANE TAPE AND SIGN PANELS WAS INCIDENTAL & NO ADDITIONAL PAYMENT WAS MADE.

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12. APPLIED PLASTIC COMBINATION ARROW – (THRU & LEFT)
13. APPLIED PLASTIC WORD "ONLY" – WHITE
14. APPLIED PLASTIC STOP BAR – 12" WHITE SOLID
15. EXISTING PAVEMENT MARKINGS REMAINED

2G-4044.91/14/98

Wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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AS BUILT INFORMATION

CONTRACTOR
STAKED BY — DATE
INSPECTORS ASSISTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

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PROJECT: X=389231.63, Y=473027.84, EL=5310.21

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

SURVEY INFORMATION

NO.	FIELD NOTES BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

WILLIAM M. JONES NEW MEXICO 4137 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY WMJ — DATE 5/30/96	
		DRAWN BY STAFF — DATE 5/30/96	
		CHECKED BY TDS — DATE 5/30/96	

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

PERMANENT SIGNING & STRIPING PLAN
STA. 24+00 TO STA. 35+00
UNIVERSITY BOULEVARD

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 4044.91 | Zone Map No. M15&16 | Sheet 8-3 Of

P:\UNIVSGN.DWG 1=50 5/30/96

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KEYED NOTES:

1. APPLIED PLASTIC BARRIER LINE – 4" WHITE SOLID
2. APPLIED PLASTIC LANE LINE – 4" WHITE BROKEN, 10' STRIPE, 30' SKIP
3. APPLIED PLASTIC BARRIER LINE – 4" YELLOW SOLID
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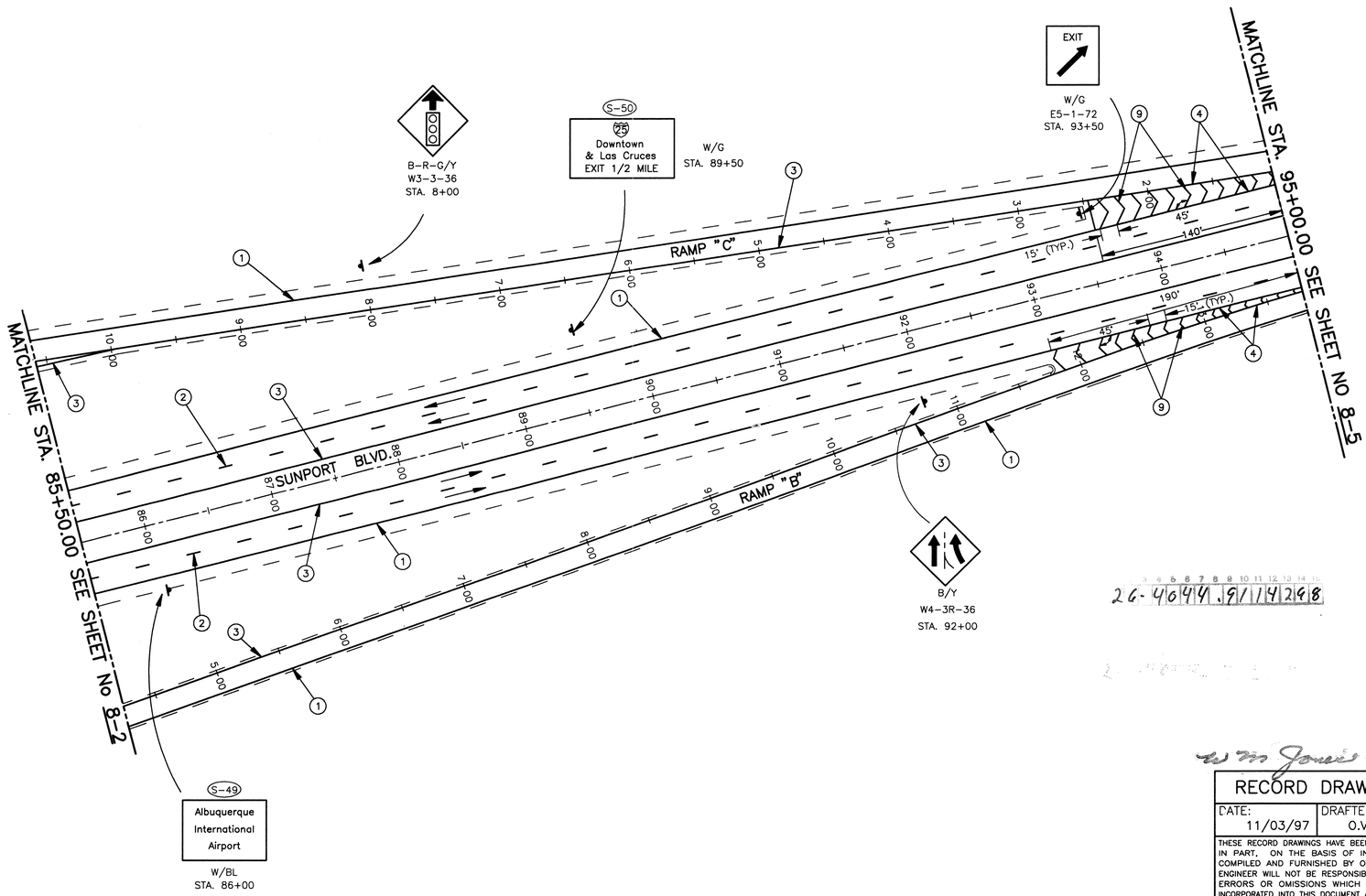
11. PAINTED CURB RADIUS YELLOW (INCIDENTAL TO STRIPING ITEM)
12. APPLIED PLASTIC COMBINATION ARROW – (THRU & LEFT)

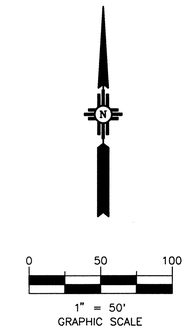
LEGEND

EXISTING	PROPOSED	
		SIGN
		CANTILEVER SIGN STRUCTURE
		SIGN BRIDGE STRUCTURE
		TRAFFIC FLOW ARROW
	(S-23)	SPECIAL SIGN IDENTIFICATION NUMBER
	(OH-21)	OVERHEAD SIGN IDENTIFICATION NUMBER

SIGN COLOR LEGEND:

B/W	BLACK ON WHITE
B/Y	BLACK ON YELLOW
W/G	WHITE ON GREEN
W/BL	WHITE ON BLUE
B,R/Y	BLACK & RED ON YELLOW
W/BR	WHITE ON BROWN
RB	RED BORDER
RL-RB	REFLECTIVE LETTERS – REFLECTIVE BACKGROUND





26-46449.9/14/98

wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT. THESE DRAWINGS WERE ORIGINALLY PREPARED IN CADD FORMAT AND APPROVED FOR CONSTRUCTION BY THE CITY ENGINEER ON 5/30/96. DRAWINGS INCLUDED IN THIS SET WHICH DO NOT HAVE ORIGINAL DRC SIGNATURES HAVE BEEN MODIFIED AND REPLOTTED FOR RECORD DRAWING PURPOSES.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)

PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

AS BUILT INFORMATION

CONTRACTOR	
NOTES STAKED BY	DATE
INSPECTOR'S ADDITIONS BY	DATE
FIELD VERIFICATION BY	DATE
FINAL MARKS CORRECTED BY	DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY
DESIGNED BY		WMJ	DATE 5/24/96
DRAWN BY		STAFF	DATE 5/24/96
CHECKED BY		TDS	DATE 5/24/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

PERMANENT SIGNING & STRIPING PLAN
STA. 85+50.00 TO STA. 95+00.00
SUNPORT BOULEVARD

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	8-4	

P:\SIGN3.DWG 1=50 5/24/96

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KEYED NOTES:

1. APPLIED PLASTIC BARRIER LINE – 4" WHITE SOLID
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12. APPLIED PLASTIC COMBINATION ARROW – (THRU & LEFT)
13. APPLIED PLASTIC LANE LINE – 4" WHITE BROKEN, 3' STRIPE, 7' SKIP

LEGEND:

EXISTING	PROPOSED	
		SIGN
		CANTILEVER SIGN STRUCTURE
		SIGN BRIDGE STRUCTURE
		TRAFFIC FLOW ARROW
	S-23	SPECIAL SIGN IDENTIFICATION NUMBER
	OH-21	OVERHEAD SIGN IDENTIFICATION NUMBER

SIGN COLOR LEGEND:

B/W	BLACK ON WHITE
B/Y	BLACK ON YELLOW
W/G	WHITE ON GREEN
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B,R/Y	BLACK & RED ON YELLOW
W/BR	WHITE ON BROWN
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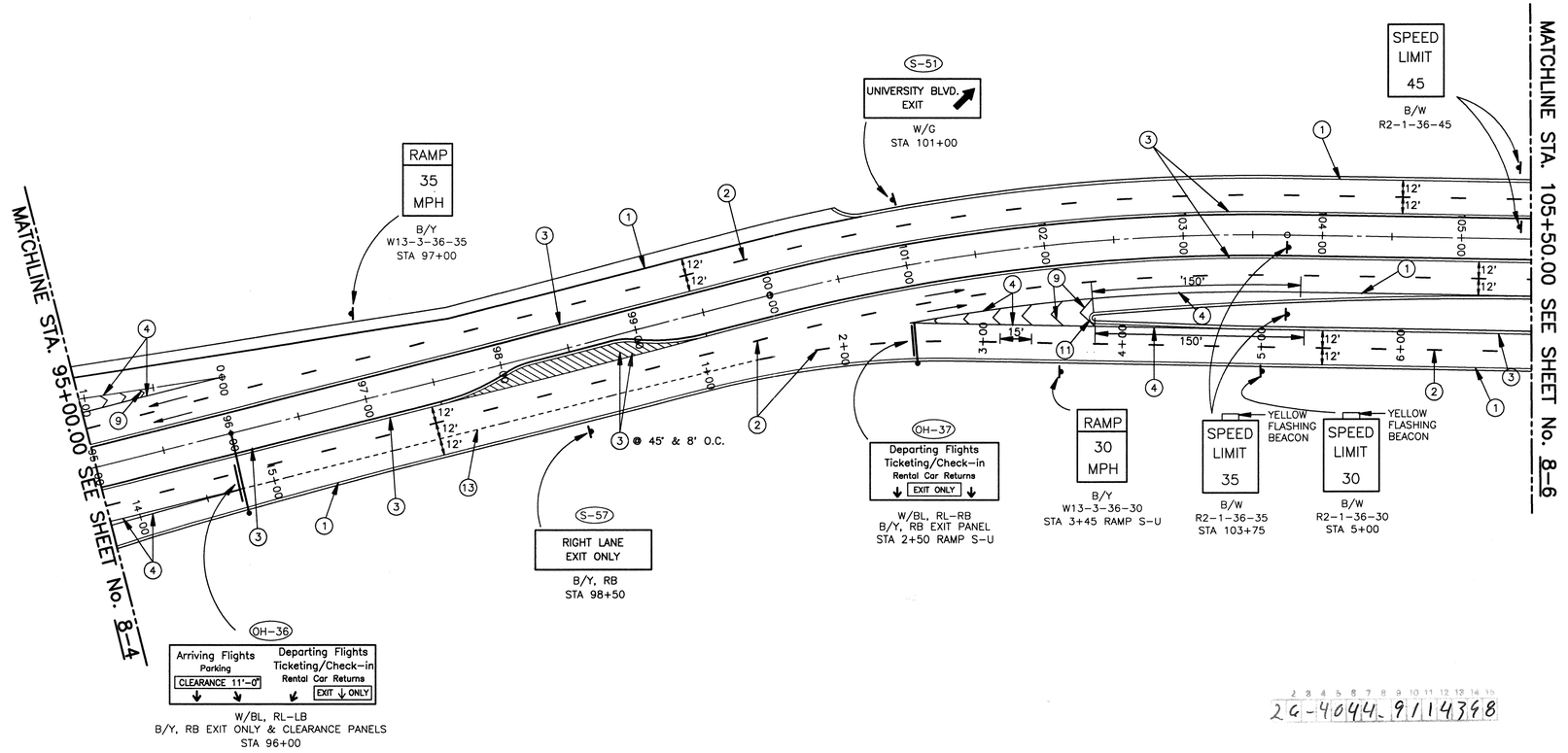
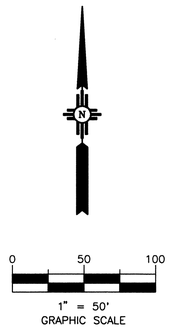
RL-RB	REFLECTIVE LETTERS – REFLECTIVE BACKGROUND





AS BUILT INFORMATION

CONTRACTOR
WORK STARTED BY DATE
WORK COMPLETED
ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)

PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY
		DESIGN	
	DATE 5/30/96	DESIGNED BY	WMJ
	DATE 5/30/96	DRAWN BY	STAFF
	DATE 5/30/96	CHECKED BY	TDS

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

PERMANENT SIGNING & STRIPING PLAN
STA. 95+00.00 TO STA. 105+50.00
SUNPORT BOULEVARD

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 4044.91 | Zone Map No. M15&16 | Sheet 8-5 Of

2 3 4 5 6 7 8 9 10 11 12 13 14 15
2G-4044.91 14348

W M Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT. THESE DRAWINGS WERE ORIGINALLY PREPARED IN CADD FORMAT AND APPROVED FOR CONSTRUCTION BY THE CITY ENGINEER ON 5/30/96. DRAWINGS INCLUDED IN THIS SET WHICH DO NOT HAVE ORIGINAL DRC SIGNATURES HAVE BEEN MODIFIED AND REPLOTTED FOR RECORD DRAWING PURPOSES.

P3SIGN6.DWG 5/30/96 1=50

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MATCHLINE STA. 10+50.00 SEE SHEET 8-7

MATCHLINE STA. 105+50.00 SEE SHEET 8-5

KEYED NOTES:

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14. APPLIED PLASTIC LANE LINE – 4" WHITE BROKEN, 3' STRIPE, 7' SKIP
15. SAND BARREL VIA UNIT LINE ARRAY

LEGEND

EXISTING	PROPOSED	
		SIGN
		CANTILEVER SIGN STRUCTURE
		SIGN BRIDGE STRUCTURE
		TRAFFIC FLOW ARROW
	S-23	SPECIAL SIGN IDENTIFICATION NUMBER
	OH-21	OVERHEAD SIGN IDENTIFICATION NUMBER

SIGN COLOR LEGEND:

B/W	BLACK ON WHITE
B/Y	BLACK ON YELLOW
W/G	WHITE ON GREEN
W/BL	WHITE ON BLUE
B,R/Y	BLACK & RED ON YELLOW
W/BR	WHITE ON BROWN
RB	RED BORDER
RL-RB	REFLECTIVE LETTERS – REFLECTIVE BACKGROUND

HOTEL ENTRANCE
YALE BLVD.
DRIVEWAY
THREE ORANGE TUBULAR TRAFFIC MARKERS 28" HIGH.
SUNPORT LOOP SE
B/Y W1-1L-30
W/B W13-1-18-25 STA 12+00
25 MPH
S-58 Departing Flights / Arriving Flights Parking W/BL STA 13+35
OH-46 Arriving Flights Parking LIMITED CLEARANCE / Departing Flights Ticketing/Check-In W/BL, RL-RB B/Y LIMITED CLEARANCE STA 14+80
STOP W/R R1-1-30
ONE WAY W/G R6-1L-36 MOUNTED BELOW STOP SIGN
S-55 University Blvd EXIT 1/4 MILE W/G STA 0+75
S-56 PARKING TERMINAL LEFT LANE W/B STA 2+20
S-60 PARKING TERMINAL W/BL, RL-RB STA 0+50
OH-43 AIRPORT EXIT TO Sunport Blvd To 25 / Yale Blvd W/G, RL-RB STA 5+30
S-59 PARKING TERMINAL CENTER LANE W/BL, RL-RB
S-62 XXFT XXIN W/G BRIDGE MOUNTED
STA. 14+60
SPEED LIMIT 15 B/W R2-1-36-15 STA 116+00
EXIST. OVERHEAD SIGN STRUCTURE
TEMPORARY CWB, TYPE II
SPEED LIMIT 15 B/W R2-1-36-15 STA 24+00 RAMP Y-U
OH-40 Arriving Flights Bag Claim Limos, Buses Vans LIMITED CLEARANCE
Parking Long Term / Short Term
W/BL, RL-RB B/Y "LIMITED CLEARANCE" PANEL
EXISTING SIGN
REMOVED EXIST. SIGN PANEL RESET NEW PANEL ON EXIST. SIGN STRUCTURE
SPEED LIMIT 25 B/W R2-1-36-25
OH-38 Parking / Arriving Flights Bag Claim Parking W/BL, RL-RB STA 106+25
S-61 XXFT XXIN W/G BRIDGE MOUNTED
B/Y W4-1L-36 STA 10+60 RAMP S-U
SPEED LIMIT 25 B/W R2-1-36-25 STA 16+70 RAMP Y-L STA 109+50 SUNPORT BLVD.
YELLOW FLASHING BEACON
S-52 Parking MERGE LEFT W/BL STA 18+00 RAMP Y-L
B/Y W4-3R-36 STA 111+50
LANE ENDS MERGE RIGHT B/Y W9-2R-36 STA 19+50 RAMP Y-U
S-53,54 Rental Car Returns CENTER LANE W/B STA 21+50 RAMP Y-U
SPEED LIMIT 20 B/W R2-1-36-20 STA 19+50 RAMP Y-U
YELLOW FLASHING BEACON
B/Y W4-2L-36 STA 22+75 RAMP Y-U
OH-39 Parking / Arriving Flights Bag Claim LIMITED CLEARANCE W/BL, RL-RB B/Y CLEARANCE PANEL STA 114+45
400'
125'
160'
115'
BC
0 50 100
1" = 50' GRAPHIC SCALE

NOTE: EACH TEMPORAY CONCRETE WALL BARRIER, TYPE II SEGMENT HAS A REFLECTIVE BARRIER DELINEATOR MOUNTED MIDWAY. DELINEATOR WAS MOUNTED ON THE FACE NEAR THE TOP OF THE BARRIER.

wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

BENCH MARKS
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PROJECT: X=389231.63, Y=473027.84, EL=5310.21

AS BUILT INFORMATION
CONTRACTOR
STAKED BY — DATE
INSPECTOR'S CHANGES BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY WNJ — DATE 5/24/96
DRAWN BY STAFF — DATE 5/24/96
CHECKED BY TDS — DATE 5/24/96

26-40449.91/144498

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

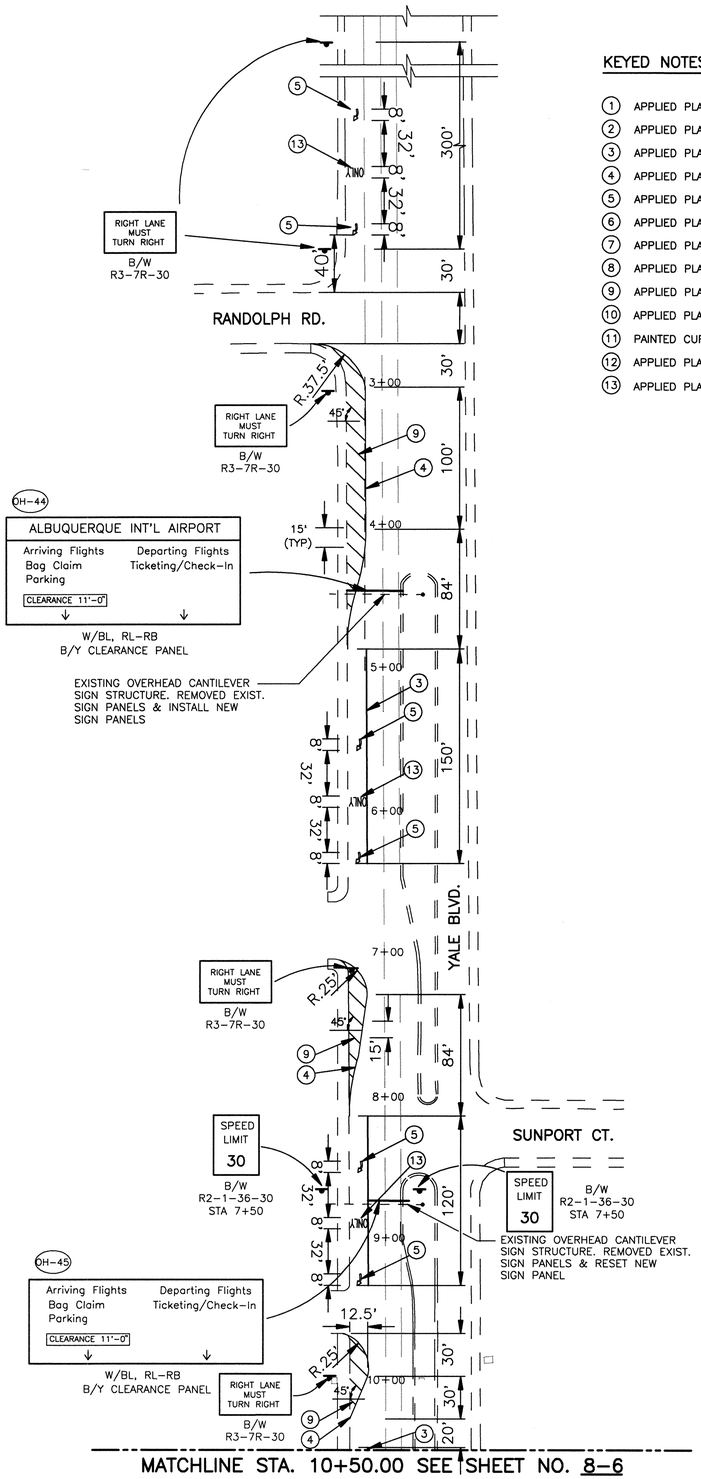
TITLE: SUNPORT BOULEVARD – PHASE II

PERMANANT SIGNING & STRIPING PLAN
STA. 105+50.00 TO E.O.P.
SUNPORT BOULEVARD

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 4044.91 | Zone Map No. M15&16 | Sheet 8-6 Of

P:\SIGN4.DWG 1"=50' 5/24/96



KEYED NOTES:

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LEGEND

EXISTING	PROPOSED	
		SIGN
		CANTILEVER SIGN STRUCTURE
		SIGN BRIDGE STRUCTURE
		TRAFFIC FLOW ARROW
	S-23	SPECIAL SIGN IDENTIFICATION NUMBER
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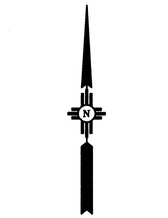
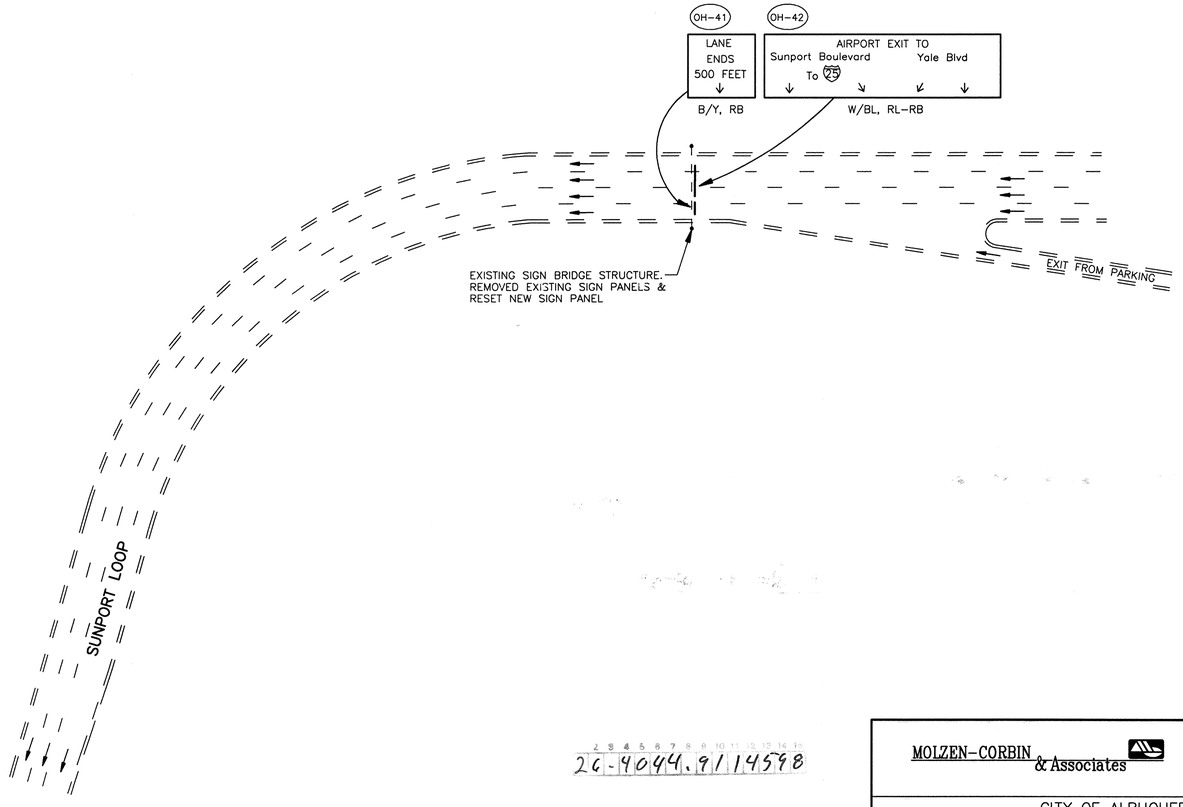


0 50 100

1" = 50'
GRAPHIC SCALE



26-4044.91/14598

wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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AS BUILT INFORMATION

CONTRACTOR
STAKED BY — DATE
INSPECTOR'S OFFICE STAKES BY — DATE
FIELD VERIFICATION BY — DATE
WORK MARKS CORRECTED BY — DATE

BENCH MARKS

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PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY WMJ — DATE 5/30/96	
		DRAWN BY STAFF — DATE 5/30/96	
		CHECKED BY TDS — DATE 5/30/96	

RECORDED BY — DATE

NO.

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **SUNPORT BOULEVARD – PHASE II**

PERMANENT SIGNING & STRIPING PLAN YALE BLVD AND SUNPORT LOOP

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	8-7	

P3SIGN5.DWG 1=50 5/30/96

© COPYRIGHT

SIGN STRUC. NO.	STATION	BASE ELEV. LT.	BASE ELEV. RT.	FOUNDATION TYPE LT.	FOUNDATION TYPE RT.	"H" LT. (FT.)	℄ LT. POST OFFSET D_L	"H" RT. (FT.)	℄ RT. POST OFFSET D_R	SPAN "S" (FT.)	SIGN A X	SIGN A Y	SIGN A a	SIGN B X	SIGN B Y	SIGN B b
1	96+00 E.B.	37.27	36.39	N	N	21.69	0.00	22.57	63.63 RT	63.63	38.0	11.0	8.63	–	–	–
2 *	2+50 RAMP S–U	–	56.54	–	R	–	–	22.02	24.69 RT	36.00	22.0	11.0	14.00	–	–	–
3 *	106+25 E.B.	65.40	–	R	–	21.50	9.00 RT	–	–	32.75	25.5	11.0	7.25**	–	–	–
4	114+45 E.B.	98.76	99.89	N	N	21.99	19.94 LT	20.86	36.31 RT	56.25	33.0	11.0	11.91	–	–	–
5	14+80 YALE BLVD.	85.02	86.75	K	K	28.17	22.19 LT	26.44	29.81 RT	52.00	33.0	11.0	12.93	–	–	–
6	5+30 W.B.	93.19	93.69	R	R	22.25	40.52 LT	21.75	19.98 RT	60.50	48.0	11.0	6.00	–	–	–

* CANTILEVER STRUCTURE
** MEASURED FROM LEFT

SIGN STRUCTURE SCHEDULE

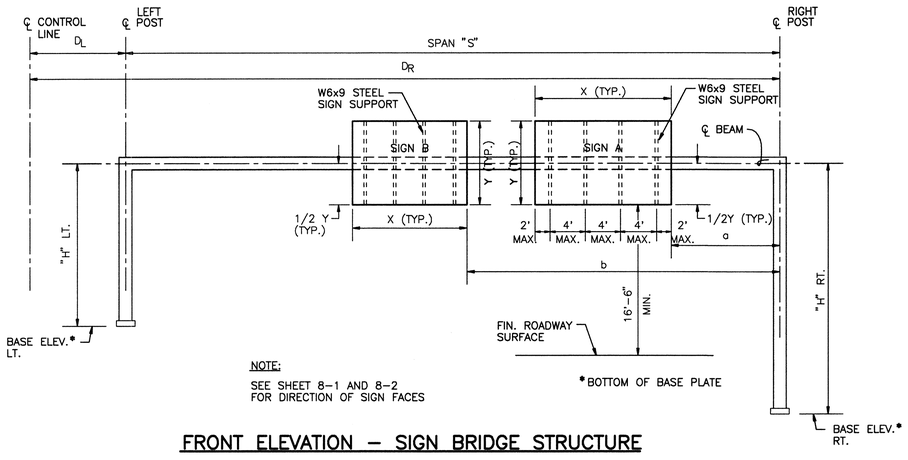
SIGN STRUC. NO.	SPAN "S" (FT.)	POSTS "A"	POSTS "B"	POSTS "t1"	BEAMS "B"	BEAMS "C"	BEAMS "t2"	BEAMS CAMBER	BOLTED** SPLICE "t4"	BOLTED** SPLICE "t5"
1	63.63	18	18	1/2	18	18	1/2	1.0	1 3/8	5/8
2 *	36.00	20	20	1/2	20	20	1/2	–	–	–
3 *	32.75	20	20	1/2	20	20	1/2	–	–	–
4	56.25	18	18	1/2	18	18	1/2	0.6	1 3/8	5/8
5	52.00	16	16	1/2	16	16	16	0.6	1 1/4	5/8
6	60.50	20	20	1/2	20	20	20	0.75	1 3/8	5/8

* CANTILEVER STRUCTURE
** SEE DETAILS B & H, SHT. 8–9.

POST AND BEAM SCHEDULE

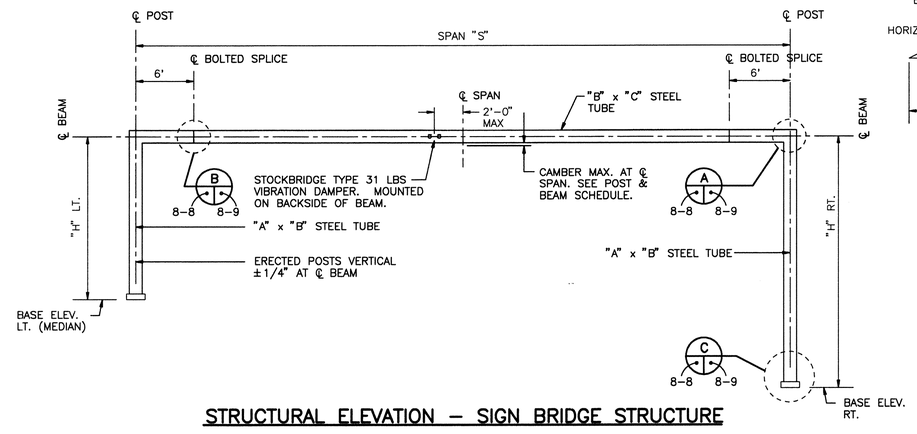
NOTES:

1. SEE FOUNDATION DETAILS FOR NOTE ON LEVELING THE BEAM OF THE CANTILEVER SIGN STRUCTURE.
2. THE BEAM OF EACH SIGN BRIDGE STRUCTURE WAS CAMBERED AS INDICATED TO OFFSET ANTICIPATED DEAD LOAD DEFLECTION.

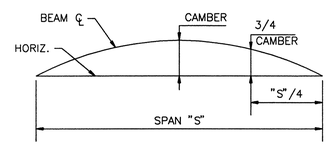


NOTE:
SEE SHEET 8–1 AND 8–2 FOR DIRECTION OF SIGN FACES

FRONT ELEVATION – SIGN BRIDGE STRUCTURE

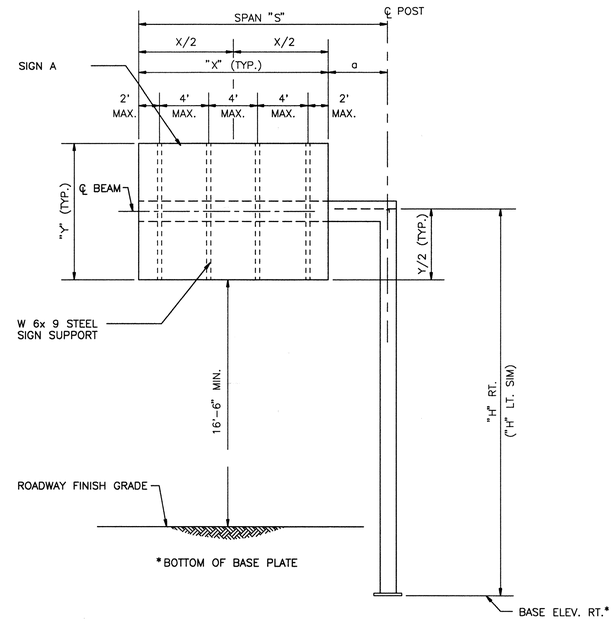


STRUCTURAL ELEVATION – SIGN BRIDGE STRUCTURE



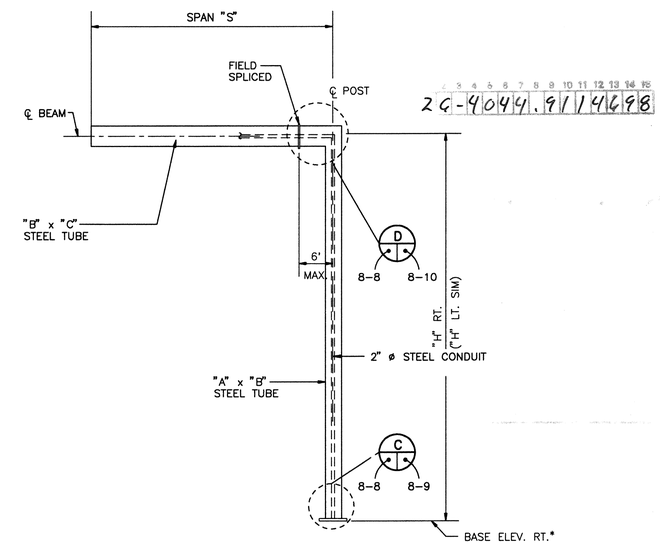
CAMBER DIAGRAM SIGN BRIDGE STRUCTURE

SCALE: NONE



FRONT ELEVATION – CANTILEVER SIGN STRUCTURE

SCALE: NONE



STRUCTURAL ELEVATION – CANTILEVER SIGN STRUCTURE

SCALE: NONE

AS BUILT INFORMATION

CONTRACTOR
STAKED BY — DATE
INSPECTORS
ADDITIONAL STAKES BY — DATE
FIELD
VERIFICATION BY — DATE
MARKINGS
CORRECTED BY — DATE

MICRO–FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
	5/26/96	DESIGNED BY	TDS
	5/26/96	DRAWN BY	DKS
	5/26/96	CHECKED BY	TDS

MOLZEN–CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

OVERHEAD SIGN STRUCTURE LAYOUT & SCHEDULES

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	8–8	

SIGNSET.DWG 1=1 5/26/96

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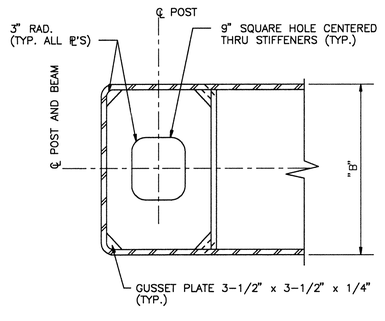
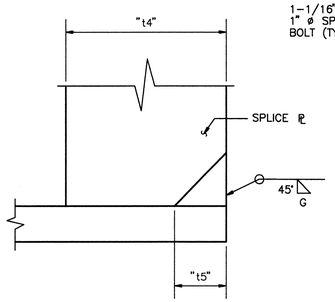
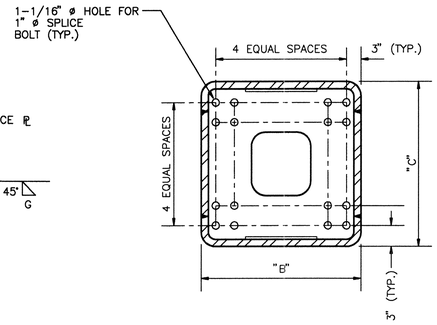
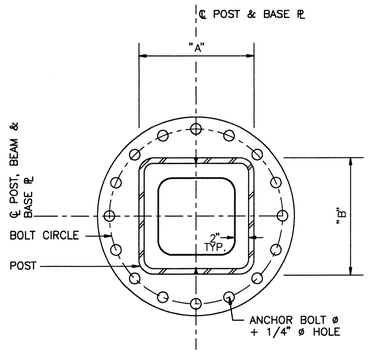
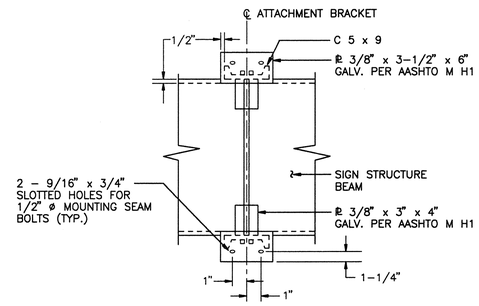






NOTE: DIAGONAL STIFFENER NOT SHOWN





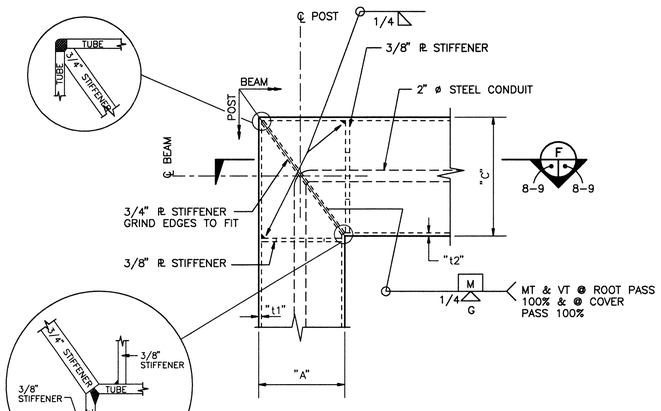
SECTION F — SCALE: NONE

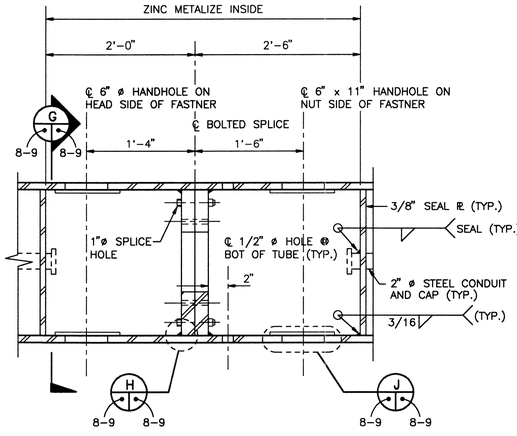
DETAIL H — SCALE: NONE

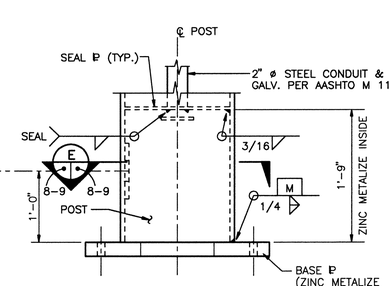
SECTION G — SCALE: NONE

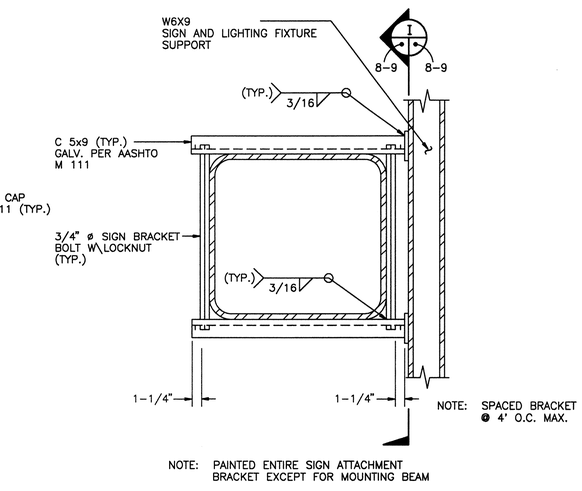
SECTION E — SCALE: NONE

SECTION I — SCALE: NONE





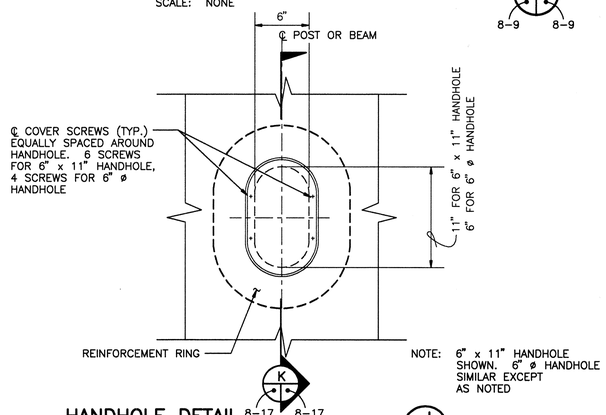




NOTE: PAINTED ENTIRE SIGN ATTACHMENT BRACKET EXCEPT FOR MOUNTING BEAM

POST/BEAM CONNECTION DETAIL — A

SCALE: NONE



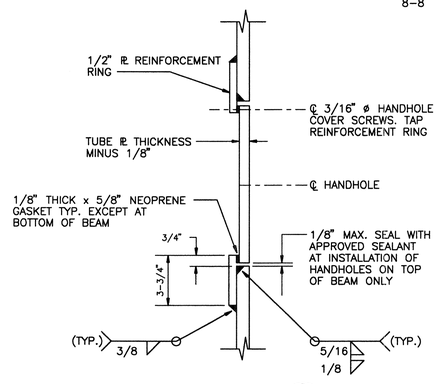
NOTE: 6" x 11" HANDHOLE SHOWN. 6" ø HANDHOLE SIMILAR EXCEPT AS NOTED

HANDHOLE DETAIL — J

SCALE: NONE

BEAM BOLTED SPLICE DETAIL — B

SCALE: NONE

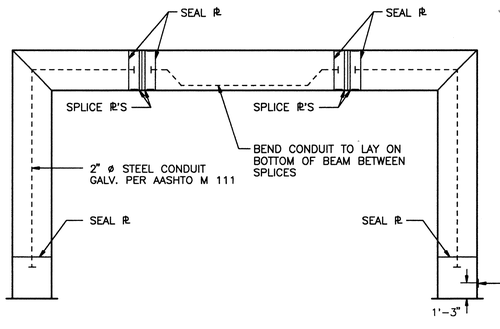


SECTION — K

SCALE: NONE

POST BASE ℞ DETAIL — C

SCALE: NONE



ELECTRICAL CONDUIT LOCATION DETAIL FOR BRIDGE SIGN

SCALE: NONE

SIGN ATTACHMENT BRACKET DETAIL

SCALE: NONE

W M Jones P.E

26-4044.91 11/17/98

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **SUNPORT BOULEVARD – PHASE II**

OVERHEAD SIGN STRUCTURE SECTIONS & DETAILS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	8–9	

AS BUILT INFORMATION

CONTRACTOR
STAKED BY — DATE
INSPECTOR'S — DATE
AS-STAKES BY
FIELD VERIFICATION BY — DATE
AS-BUILTS BY
CORRECTED BY — DATE

BENCH MARKS

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PROJECT: X=389231.63, Y=473027.84, EL=5310.21

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY	TDS — DATE 5/28/96
		DRAWN BY	DKS — DATE 5/28/96
		CHECKED BY	TDS — DATE 5/28/96

S\SIGNSEC.DWG 1 = 1 5/28/96

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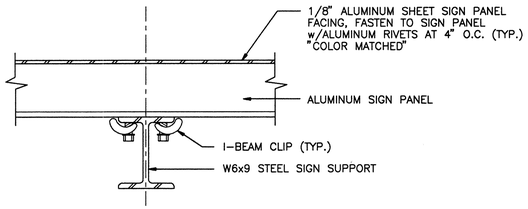
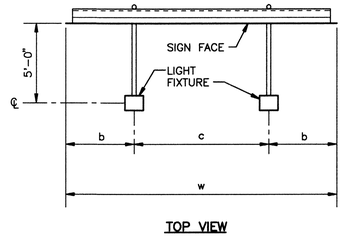
PLACEMENT OF SIGN LIGHTING				
WIDTH OF SIGN FACE	16'–0"	16'–1" TO 26'–0"	26'–1" TO 36'–0"	36'–1" TO 50'–0"
NUMBER OF FIXTURES	ONE	TWO	THREE	FOUR
EQUATIONS FOR PLACING FIXTURES ALONG SIGN WIDTH	w=2b	w=2b + c	w=2b + 2c	w=2b + 3c
	c=0	c=2b	c=2b	c=2b



SIGN PANEL/SIGN SUPPORT CONNECTION DETAIL

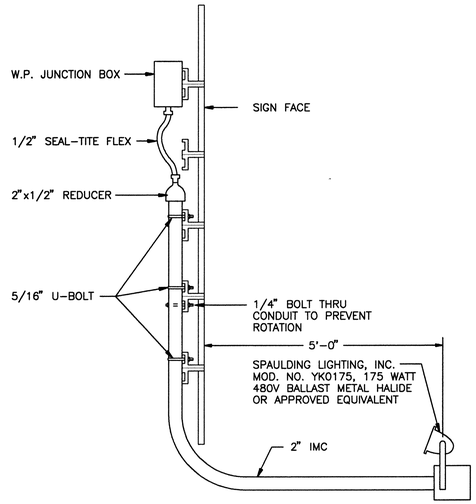
SCALE: NONE



TOP VIEW

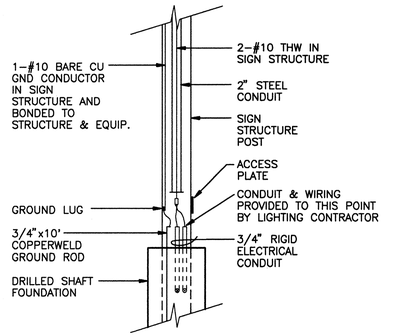
SIGN LIGHTING PLACEMENT DETAIL

SCALE: NONE



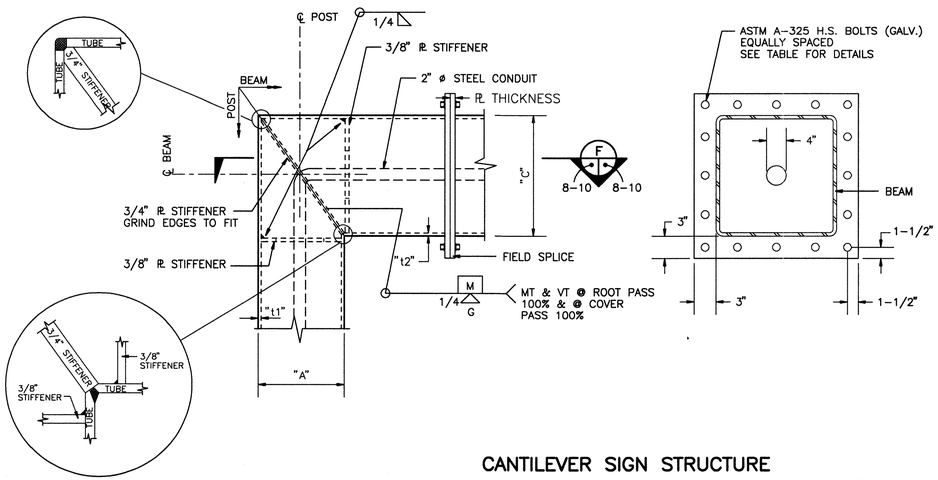
ELECTRICAL FIXTURE MOUNTING DETAIL FOR BRIDGE STRUCTURE & CANTILEVER SIGN

SCALE: NONE



SIGN STRUCTURE ELECTRICAL CONNECTION DETAIL

SCALE: NONE



CANTILEVER SIGN STRUCTURE POST/BEAM CONNECTION DETAIL

SCALE: NONE

D
8–10 8–10

FIELD SPLICE TABLE			
BEAM SIZE	PLATE THICKNESS	H.S. BOLTS	PLATE SIZE
20" x 20"	1 1/2"	24 – 7/8"	26" x 26"
–	–	–	–
–	–	–	–

FIELD SPLICE NOTES

1. PLATE SIZE MAY BE INCREASED BY 2" TO FACILITATE BOLTING.
2. TORQUED TO TENSION OF:

   19 KIPS FOR 5/8"ø BOLTS
   28 KIPS FOR 3/4"ø BOLTS
   39 KIPS FOR 7/8"ø BOLTS

W m Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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AS BUILT INFORMATION

CONTRACTOR
STAKED BY DATE
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE

MICRO–FILM INFORMATION

RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION

NO.	BY	DATE

FIELD NOTES

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NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY TDS	DATE 5/28/96
		DRAWN BY DKS	DATE 5/28/96
		CHECKED BY TDS	DATE 5/28/96

2G-4044.91/1748.8

MOLZEN–CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

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City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	8–10	

SIGNCANT.DWG 1 = 1 5/28/96

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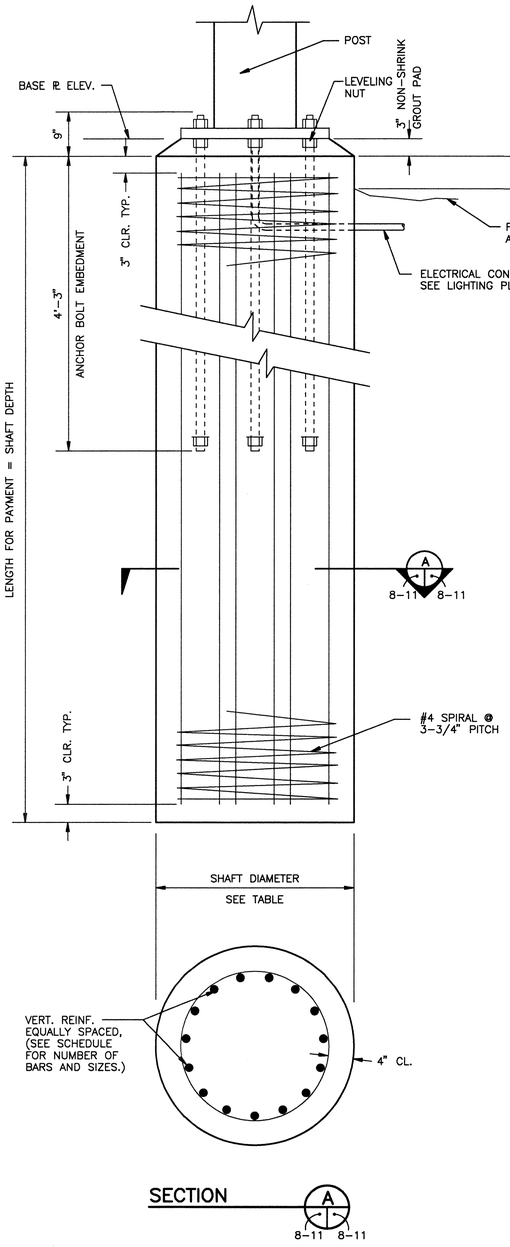


DRILLED SHAFT FOUNDATION DETAIL

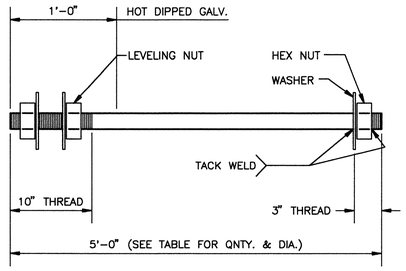
SCALE: NONE

FOUNDATION SCHEDULE

FOUNDATION TYPE	POST SIZE	BASE PLATE SIZE	THICKNESS "t3"	BOLT CIRCLE	ANCHOR BOLT	SHAFT DIA.	VERT. REINF.	SHAFT DEPTH
K	16" x 16" x 1/2"	34" ø	2 1/2"	25"	8 @ 2 1/4"	48"	18 – #9	14'–0"
N	18" x 18" x 1/2"	38" ø	2 3/4"	27"	8 @ 2 1/2"	48"	18 – #9	17'–0"
R	20" x 20" x 1/2"	40" ø	2 3/4"	29"	10 @ 2 1/4"	48"	18 – #9	19'–0"
–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–

ESTIMATED DRILLED SHAFT QUANITIES

ITEM NO.	ITEM DISCRIPTION	UNIT	ESTIMATE
502048	DRILLED SHAFT FOUNDATION – 48" DIA.	L.F.	172
–	–	–	–
–	–	–	–
–	–	–	–



ANCHOR BOLT DETAIL

SCALE: NONE

NOTES

1. FOUNDATIONS CONFORMED TO SECTION 502 OF STANDARD SPECIFICATIONS FOR DRILLED SHAFT FOUNDATIONS, UNLESS OTHERWISE SPECIFIED ON THE PLANS.
2. ALL CONCRETE WAS CLASS "A". DESIGN BASED ON ULTIMATE 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI. CHAMFER ALL EXPOSED EDGES 3/4 INCH UNLESS NOTED OTHERWISE. LIQUID MEMBRANE–FORMING COMPOUND USED IN MEMBRANE CURING OF CONCRETE CONFORMED TO SUBSECTION 511.395 OF THE STANDARD SPECIFICATIONS.
3. STRUCTURAL STEEL IS CARBON STEEL CONFORMING TO AASHTO SPECIFICATION M–183 UNLESS NOTED OTHERWISE. PIPE FOR COLUMN CONFORMED TO A.S.T.M. SPECIFICATION A–53. TYPE E OR S GRADE B.
4. ANCHOR BOLTS ARE TREATED CARBON STEEL BOLTS MEETING AASHTO SPECIFICATION M–164. FURNISHING AND PLACING OF ANCHOR BOLTS WERE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO DIRECT PAYMENT WAS MADE THERFOR.
5. FOUNDATION MATERIAL WAS NOT DISTURBED DURING CONSTRUCTION OPERATIONS. ANY FOUNDATION MATERIAL WHICH WAS CRACKED. LOOSENED OR MOVED BY OPERATIONS OF THE CONTRACTOR WAS REPLACED WITH CLASS "A" CONCRETE TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST TO THE CITY. ALL DRILLED HOLES WERE INSPECTED BY THE FOUNDATION ENGINEER BEFORE ANY CONCRETE WAS PLACED.
6. CONCRETE FOR DRILLED SHAFT FOUNDATIONS WAS PLACED IN DRILLED HOLES AGAINST UNDISTURBED MATERIAL, EXCEPT THAT THE UPPER 3 FEET OF THE SHAFT WAS FORMED.
7. PROVIDED BOLT TEMPLATE FOR CAST–IN–PLACE INSTALLATION OF ANCHOR BOLTS.
8. PRIOR TO ERECTION OF POSTS, EXCAVATIONS CREATED FOR SHAFT CONSTRUCTION WAS BACKFILLED WITH MATERIAL EQUIVALENT TO THE SURROUNDING SOIL AND WAS COMPACTED TO 95 PERCENT OF MAXIMUM DENSITY AS DETERMINED BY AASHTO T–99, METHOD "C". BACKFILL WAS CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO DIRECT PAYMENT WAS MADE THEREFOR.
9. BEFORE ANY PORTION OF THE SIGN FRAMES WERE ASSEMBLED IN THEIR FINAL POSITIONS THE CONTRACTOR DEMONSTRATED TO THE ENGINEER BY PREASSEMBLY OF OTHER APPROVED METHODS THAT THE SPAN LENGTHS OF THE FRAMES IN THE NO LOAD CONDITION MATCHED WITHIN 1/2"± THE FIELD MEASURED SPAN LENGTHS BETWEEN FOUNDATIONS.
10. IF THE SIGN FRAMES WERE ERECTED AS ONE UNIT, THEY WERE ADEQUATELY SUSPENDED TO AVOID DISTORTIONS OR CHANGES IN SPAN LENGTH BETWEEN BASE PLATES.
11. AFTER ALL SIGN PANELS WERE ATTACHED TO THE CANTILEVER SIGN STRUCTURE, THE POST WAS RAKED AS NECESSARY WITH THE LEVELING NUTS, TO MAKE THE SIGN PANEL LEVEL.
12. AFTER POSTS WERE PLACED IN THEIR FINAL POSITIONS, ALL TOP AND BOTTOM ANCHOR BOLT NUTS WERE WRENCH TIGHTENED AGAINST BASE PLATES.
13. ALL STEEL MEMBERS AND CONNECTIONS WERE PAINTED IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 544 OF THE STANDARD SPECIFICATIONS. ALL MEMBERS RECEIVED BOTH TOP AND PROTECTIVE COATS. THE COLOR OF TOP AND PROTECTIVE COATS ARE IN ACCORDANCE WITH THE FEDERAL COLOR STANDARD 595A.

2G-40449.97/14998

W M Jones P.E

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY DATE
INSPECTOR'S DIARY KEPT BY DATE
FIELD CHANGES BY DATE
VERIFICATION BY DATE
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PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

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RECORDED BY DATE
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY
		DESIGN	
	DESIGNED BY	WMJ	DATE 5/28/96
	DRAWN BY	DKS	DATE 5/28/96
	CHECKED BY	WMJ	DATE 5/28/96

MOLZEN–CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

OVERHEAD SIGN STRUCTURE FOUNDATION DETAILS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	8–11	

SIGNFDET.DWG 1 = 1 5/28/96

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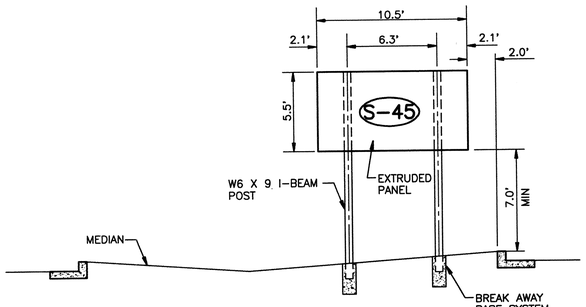
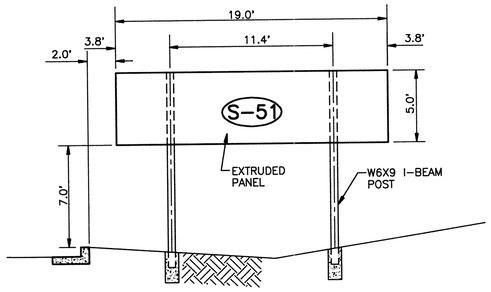


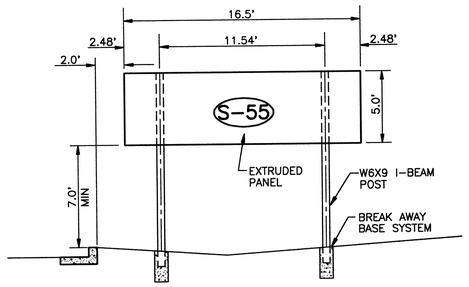
STA 23+05 UNIVERSITY BLVD S.B.

SCALE: 1"=5'



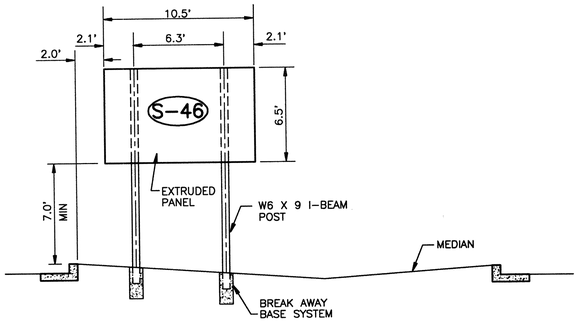
STA 101+00 SUNPORT BLVD W.B.

SCALE: 1"=5'



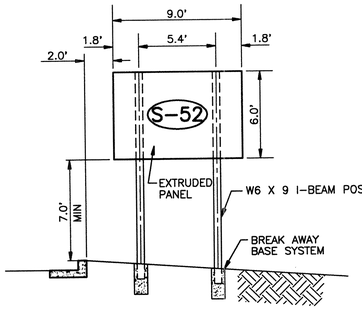
STA 0+75 SUNPORT BLVD W.B.

SCALE: 1"=5'



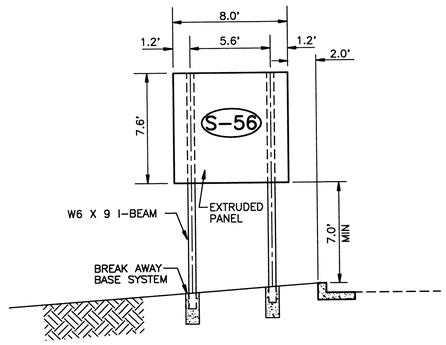
STA 28+90 UNIVERSITY BLVD S.B.

SCALE: 1"=5'



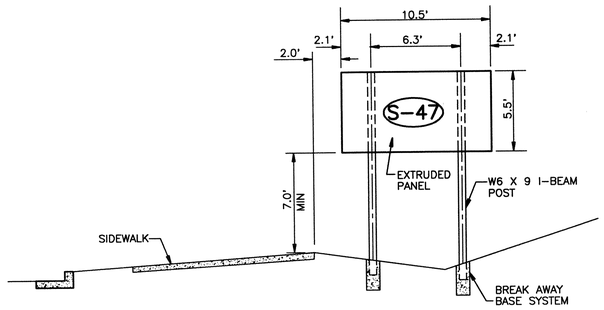
STA 18+50 RAMP Y-L E.B.

SCALE: 1"=5'



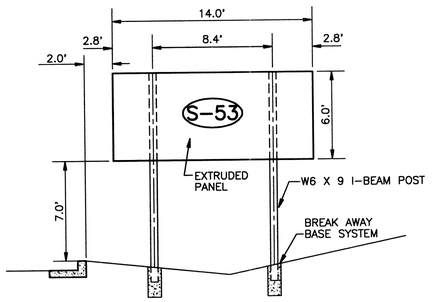
STA 2+20 SUNPORT LOOP W.B.

SCALE: 1"=5'



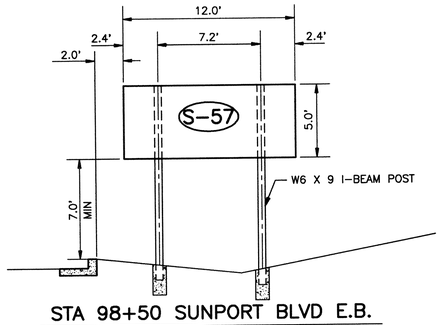
STA 31+75 UNIVERSITY BLVD N.B.

SCALE: 1"=5'



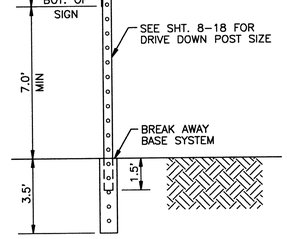
STA 21+50 RAMP Y-L RT.

SCALE: 1"=5'



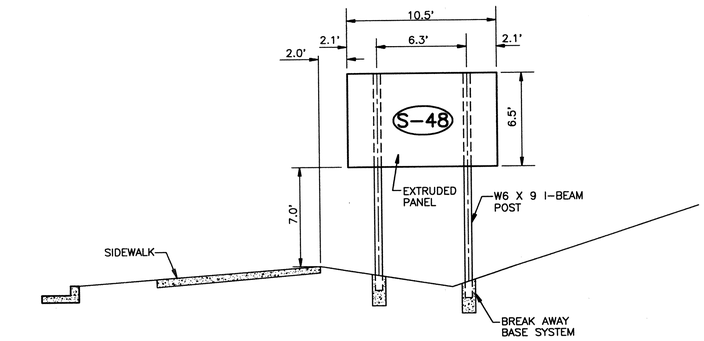
STA 98+50 SUNPORT BLVD E.B.

SCALE: 1"=5'



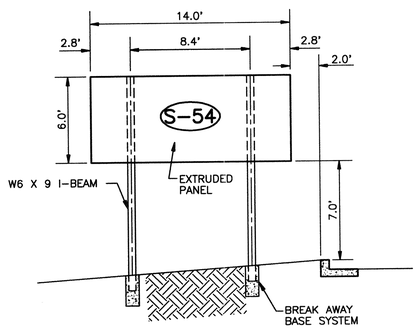
TUBULAR SIGN POST

N.T.S.



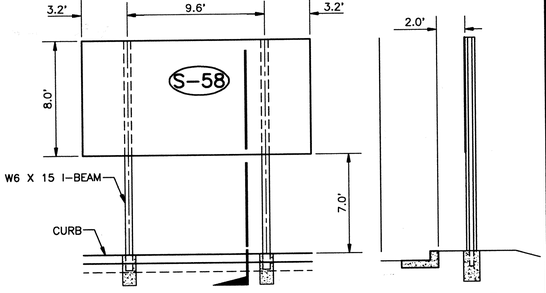
STA 29+75 UNIVERSITY BLVD N.B.

SCALE: 1"=5'



STA 21+50 RAMP Y-L LT.

SCALE: 1"=5'



STA 13+36 YALE BLVD S.B.

SCALE: 1"=5'

SECTION 1 8-12 / 8-12

SCALE: 1"=5'

1 8-12 / 8-12

2C-4044.91 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

AS BUILT INFORMATION

CONTRACTOR

WORK STARTED BY — DATE

WORK ACCEPTED BY — DATE

FIELD VERIFICATION BY — DATE

DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE

NO.

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)

PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT. THESE DRAWINGS WERE ORIGINALLY PREPARED IN CADD FORMAT AND APPROVED FOR CONSTRUCTION BY THE CITY ENGINEER ON 5/30/96. DRAWINGS INCLUDED IN THIS SET WHICH DO NOT HAVE ORIGINAL DRC SIGNATURES HAVE BEEN MODIFIED AND REPLOTTED FOR RECORD DRAWING PURPOSES.

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY WMJ	DATE 5/30/96
		DRAWN BY SMR	DATE 5/30/96
		CHECKED BY TDS	DATE 5/30/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

SPECIAL PERMANENT SIGN DETAILS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	8-12	

SPSGNDET.DWG 1=5 5/30/96

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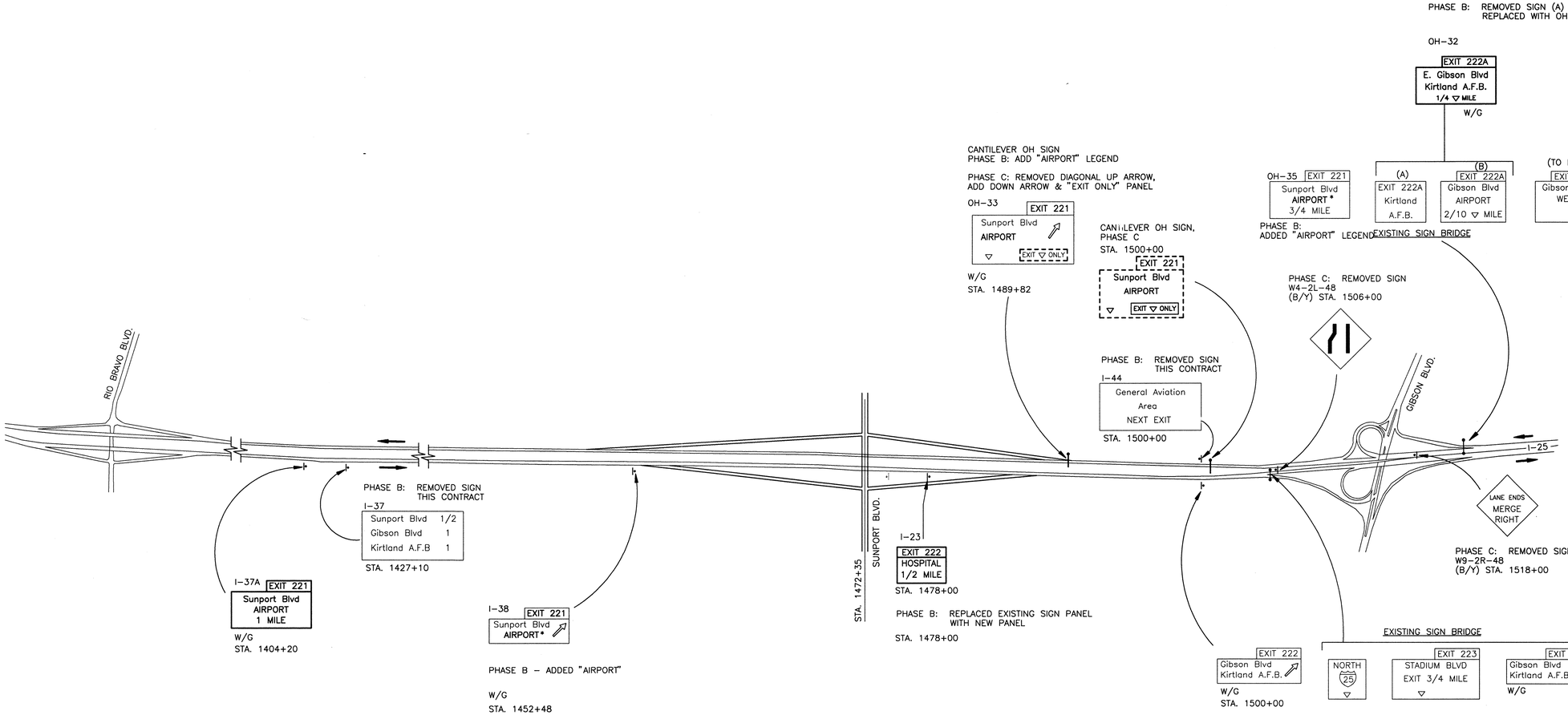

LEGEND

EXISTING SIGNS

NEW SIGNS THIS CONTRACT

PROPOSED SIGNING FUTURE PROJECT

LEGEND & SYMBOLS INCLUDED IN THIS CONTRACT

Sunport Blvd
AIRPORT

LEGEND/SYMBOLS NOT INCLUDED IN THIS CONTRACT (TO BE INCLUDED IN A FUTURE PROJECT)

NOTES:

1. SIGNING SHOWN IS FOR THE ULTIMATE TRAFFIC CONDITION, WITH SIGNING FOR EACH TRAFFIC CONDITION (A,B,C) INDICATED. ONLY SIGNS AND LEGENDS FOR THE PHASE B TRAFFIC CONDITION WERE INCLUDED IN THIS CONTRACT; HOWEVER, SIGNS WERE SIZED TO ACCOMODATE TRAFFIC CONDITIONS A, B, & C. FOLLOWING IS A DESCRIPTION OF EACH TRAFFIC CONDITION.

   PHASE A: SUNPORT OPEN I-25 TO UNIVERSITY BLVD. ONLY (EXISTING I-25 LANEAGE)

   PHASE B: SUNPORT OPEN I-25 TO AIRPORT TERMINAL (EXISTING I-25 LANEAGE)

   PHASE C: SUNPORT OPEN I-25 TO AIRPORT TERMINAL. I-25 LANEAGE INCREASED FROM 2 THRU LANES IN EACH DIRECTION TO 3 THRU LANES IN EACH DIRECTION BETWEEN GIBSON BLVD. AND RIO BRAVO BLVD. WITH A NEW AUXILIARY LANE IN EACH DIRECTION BETWEEN GIBSON BLVD. AND SUNPORT BLVD. THE SOUTH BOUND I-25 EXIT RAMP TO SUNPORT BLVD. WAS CONVERTED FROM A SIGNLE LANE EXIT TO A TWO LANE EXIT.

2. RAMP SIGNS AND SUNPORT BLVD. SIGNS ARE NOT SHOWN ON THIS SHEET, SEE SHEET

NOTE:
THIS SHEET PROVIDED FOR RELATIVE POSITION OF SIGNS.

0 500 1000
1" = 500'
GRAPHIC SCALE

wm Jones P.E.

RECORD DRAWING	
DATE: 11/03/97	DRAFTED BY: O.V

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SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)

PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

AS BUILT INFORMATION

CONTRACTOR WORK STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
AS-BUILTED CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY WMJ	DATE 5/30/96
		DRAWN BY STAFF	DATE 5/30/96
		CHECKED BY TDS	DATE 5/30/96

2G-4044.91 1 5 1 98

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **SUNPORT BOULEVARD – PHASE II**

PERMANENT SIGNING
RIO BRAVO BLVD.
TO GIBSON BLVD. I-25

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	8–13	

CHANGE0.DWG 1"=500' 05/30/96

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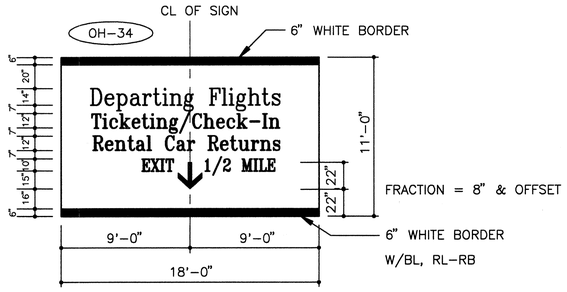

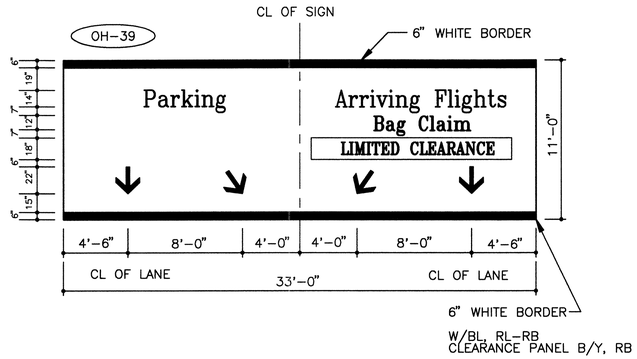

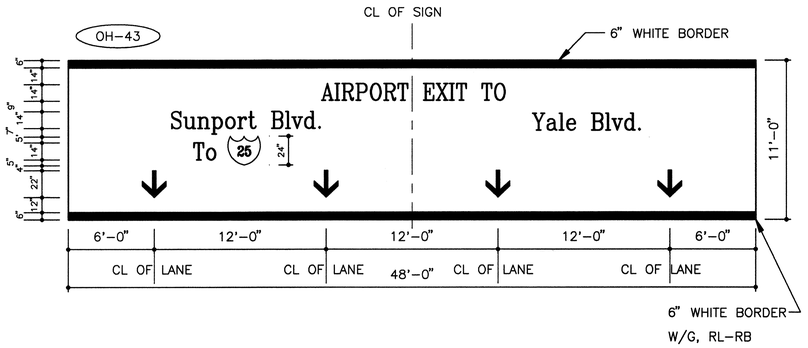

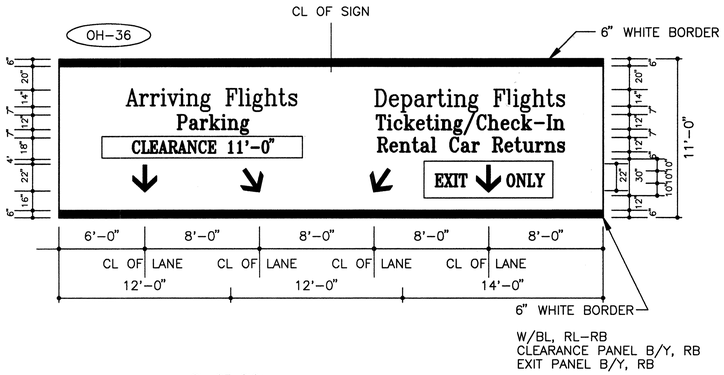

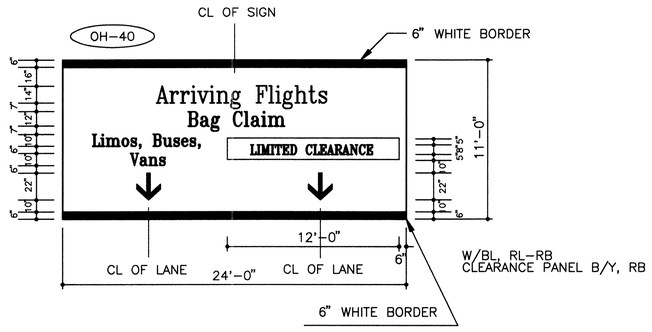

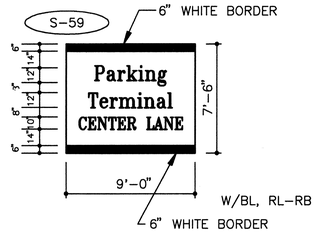

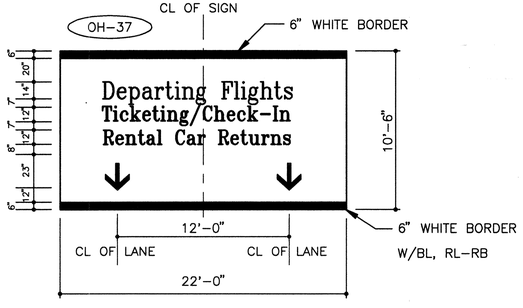

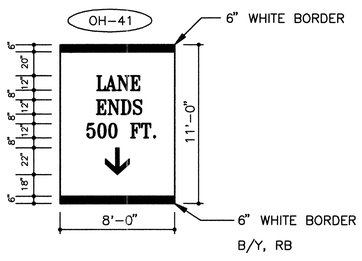

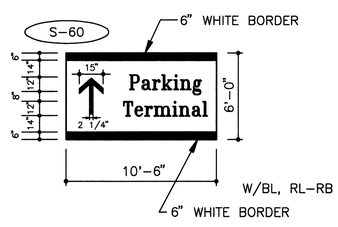

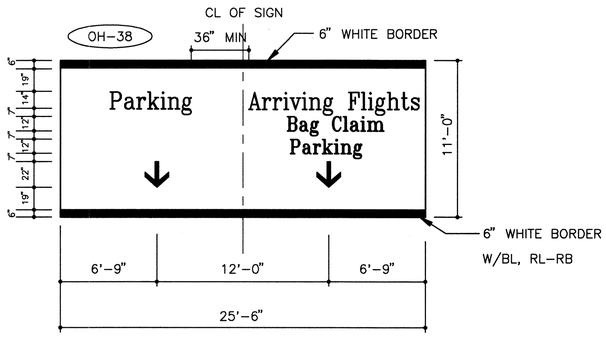

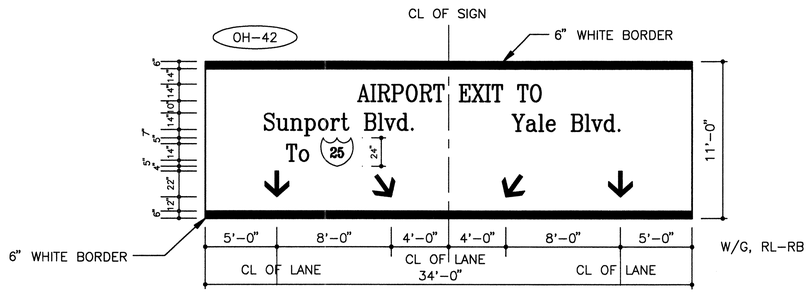

26-4044.91 | 15298

W M Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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AS BUILT INFORMATION

CONTRACTOR
STAKED BY — DATE
INSPECTOR'S FIELD CHANGE BY — DATE
VERIFICATION BY — DATE
CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY	WMJ
		DRAWN BY	JLR
		CHECKED BY	TDS
		DATE	5/24/96
		DATE	5/24/96
		DATE	5/24/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

PERMANENT SIGN FACE DETAILS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	8–14	

P:\SIGN10.DWG 1 = 5 5/24/96

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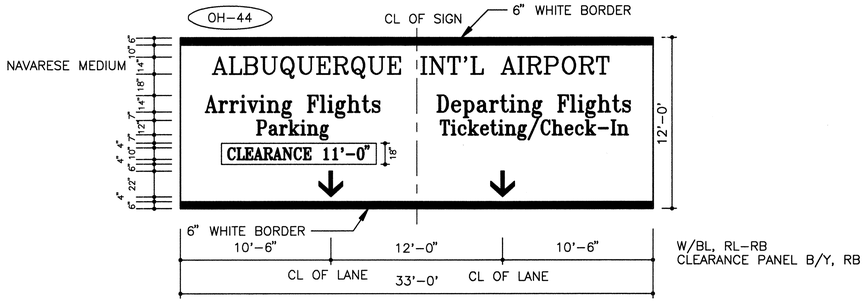
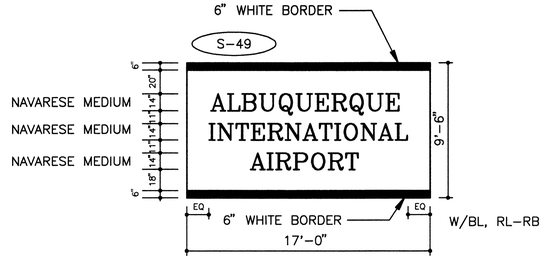
OH-44



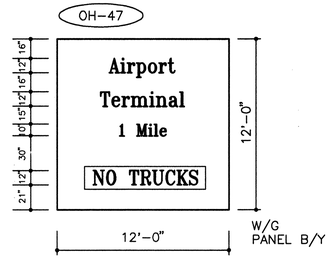
W/BL, RL-RB
CLEARANCE PANEL B/Y, RB

S-49



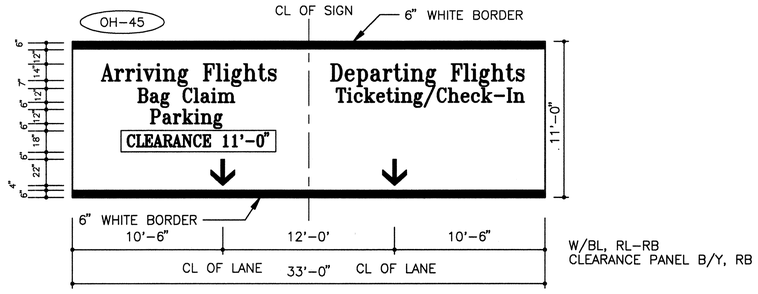
W/BL, RL-RB

OH-47



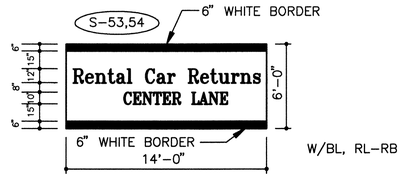
W/G
PANEL B/Y

OH-45



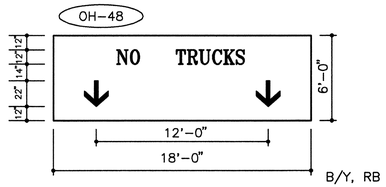
W/BL, RL-RB
CLEARANCE PANEL B/Y, RB

S-53,54



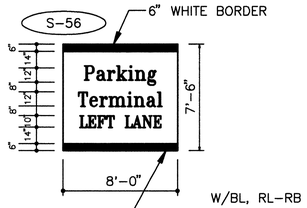
W/BL, RL-RB

OH-48



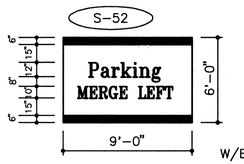
B/Y, RB

S-56



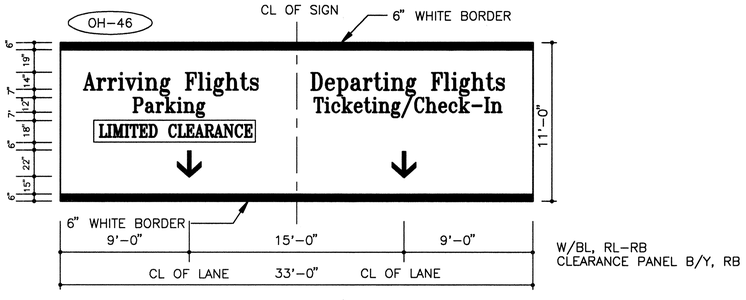
W/BL, RL-RB

S-52



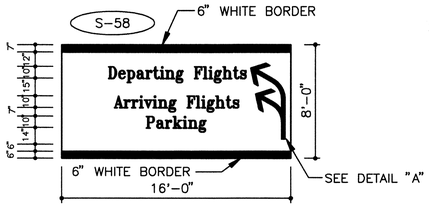
W/BL, RL-RB

OH-46

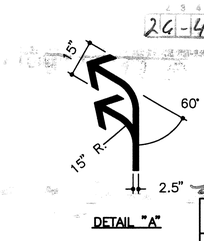


W/BL, RL-RB
CLEARANCE PANEL B/Y, RB

S-58



W/BL, RL-RB



DETAIL "A"

26-4044.9/153198

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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AS BUILT INFORMATION

CONTRACTOR
WORK STARTED BY — DATE
WORK COMPLETED BY
ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1939". SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.83, Y=473027.84, EL.=5310.21

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY WMJ — DATE 5/24/96
DRAWN BY JLR — DATE 5/24/96
CHECKED BY TDS — DATE 5/24/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

PERMANENT SIGN FACE DETAILS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 4044.91 | Zone Map No. M15&16 | Sheet 8-15 Of

P3SIGN9.DWG 1 = 5 5/24/96

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KEYED NOTES

(A) LOCATED @ STA. 1478+00 I-25 NORTH BOUND. SEE SHEET 8-13

(B) LOCATED @ STA. 1404+20 I-25 NORTH BOUND. SEE SHEET 8-13

(C) LOCATED @ STA. 1489+82 I-25 SOUTH BOUND. SEE SHEET 8-13

(D) LOCATED @ STA. 1452+48 I-25 NORTH BOUND. SEE SHEET 8-13

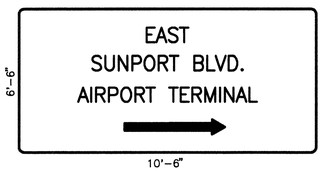
S-45

8" D
8" D
8" D
8" D

S-46

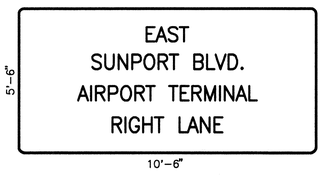
8" D
8" D
8" D
16"x30" ARROW

S-48



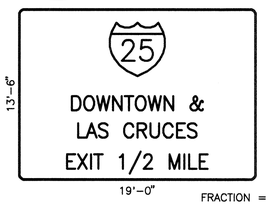
8" D
8" D
8" D
16"x30" ARROW

S-47



8" D
8" D
8" D
8" D

S-50

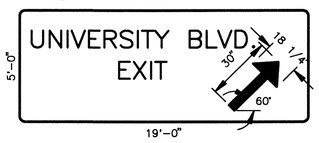


36" SHIELD
20"/15" EMOD
20"/15" EMOD
12" E, 18" E, 12" E
FRACTION = 12" & OFFSET

S-55

13.3"/10" EMOD
10" E, 12" E, 10" E
FRACTION = 10" & OFFSET

S-51

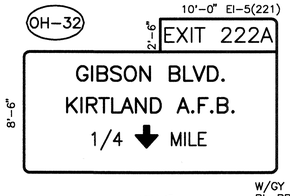


13.3"/10" EMOD
10" E

S-57

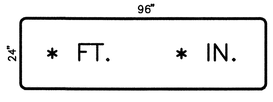
12" E
12" E

OH-32



10" E/15" E
16"/12" E MOD.
16"/12" E MOD.
15"/12" E 22" x 32" ARROW
W/GY
RL-RB
SB ON EXIST. OVERHEAD SIGN STRUCTURE N. OF GIBSON
FRACTION = 10" & OFFSET

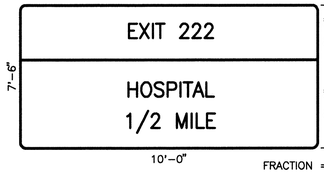
S-61 S-62



16" D/12" D

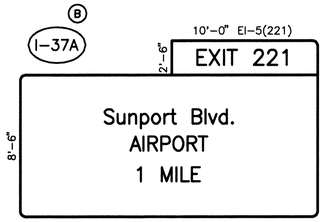
* BASE ON FIELD MEASUREMENT

(A) I-23



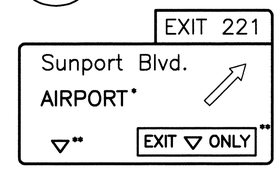
10" E/15" E
10" E
15" E/12
FRACTION = 10" & OFFSET

(B) I-37A



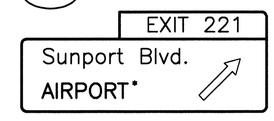
10" E/15" E
16"/12" E MOD.
16" E MOD.
15" E/12" E

(C) OH-33



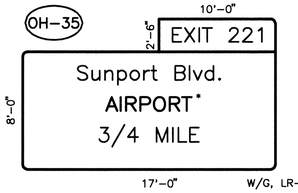
* ADDED "AIRPORT"
16" E MOD
** FUTURE (N.I.C.)

(D) I-38



* ADDED "AIRPORT"
16" E MOD

OH-35



W/G, LR-BR
* ADDED "AIRPORT" THIS CONTRACT

16" E MOD.

24-140404.9111.5498

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT. THESE DRAWINGS WERE ORIGINALLY PREPARED IN CADD FORMAT AND APPROVED FOR CONSTRUCTION BY THE CITY ENGINEER ON 5/30/96. DRAWINGS INCLUDED IN THIS SET WHICH DO NOT HAVE ORIGINAL DRC SIGNATURES HAVE BEEN MODIFIED AND REPLOTTED FOR RECORD DRAWING PURPOSES.

24" R3-2-24

30" 36" ONLY R3-5L-30

30" 36" ONLY R3-5R-30

24" 24" R3-1-24

36" RAMP 60" XX MPH W13-3-36-XX

24" 30" R4-7-24

XX=30 35

36" 36" W4-2R-36

30" 30" W1-1L-30

18" 18" 25 M.P.H. W13-1-18-25

30" 30" RIGHT LANE MUST TURN RIGHT R3-7R-30

36" 36" LANE ENDS MERGE RIGHT W9-2R-36

36" 36" W4-1L-36

36" 36" STOP R1-1-36

72" 60" EXIT E5-1-72

36" 36" W4-3R-36

36" 12" ONE WAY R6-1L-36

36" 12" ONE WAY R6-1R-36

30" 30" DO NOT ENTER R5-1-30

36" 12" SPEED LIMIT XX R2-1-36-XX

XX=15 25 30 35 45

S-63 4'-6" 1'-4" GEORGE RD. W/G

S-64 8'-6" 1'-4" UNIVERSITY BLVD. W/G

ENGINEER'S SEAL

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

BENCHMARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)

PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

AS BUILT INFORMATION

CONTRACTOR STAKED BY DATE
INSPECTOR'S FIELD CHANGES BY DATE
VERIFICATION BY DATE
CORRECTED BY DATE

MICRO-FILM INFORMATION

RECORDED BY DATE
NO.

REVISIONS

NO.	DATE	REMARKS	BY
DESIGNED BY	WMJ	DESIGN	DATE 5/24/96
DRAWN BY	JLR		DATE 5/24/96
CHECKED BY	WMJ		DATE 5/24/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

PERMANENT SIGN FACE DETAILS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	8-16	

SIGNFACE.DWG 1 = 1 5/24/96

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SIGN CODE	LOCATION	SIGN FACE					I-BEAM POSTS					BREAKAWAY BASE SYSTEMS
		WIDTH (FT.)	HEIGHT (FT.)	TOTAL AREA (SQ. FT.)	SHEETING		POST SECTION	POST LENGTHS (FT.)				N REQ'D
					REFLECTIVITY III	REFLECTIVITY II		LEFT	CTR.	RIGHT	TOTAL	
S-45	STA. 23+05 UNIVERSITY	10.5	5.5	57.75		X	W6X9	12.6		12.4		2
S-46	STA. 28+90 UNIVERSITY	10.5	6.5	68.25		X	W6X9	13.6		13.4		2
S-47	STA. 31+75 UNIVERSITY	10.5	5.5	57.75		X	W6X9	13.2		13.6		2
S-48	STA. 29+75 UNIVERSITY	10.5	6.5	68.25		X	W6X9	13.2		13.6		2
S-51	STA. 101+00 SUNPORT	19.0	5.0	95.0		X	W6X9	12.5		11.9		2
S-49	STA. 86+00 SUNPORT	17.0	9.5	161.5		X	W10X26	25.0		27.7		2
S-50	STA. 89+50 SUNPORT	19.0	13.5	256.5		X	W12X26	22.3		25.3		2
S-52	STA. 18+00 RAMP Y-L	19.0	6.0	54.0		X	W6X9	13.3		13.7		2
S-53	STA. 21+50(RT) RAMP Y-L	14.0	6.0	84.0		X	W6X9	13.5		13.2		2
S-54	STA. 21+50(LT) RAMP Y-L	14.0	6.0	84.0		X	W6X9	13.8		13.4		2
S-55	STA. 0+75 SUNPORT LOOP	16.5	5.0	82.5		X	W6X9	12.5		13.0		2
S-56	STA. 2+20 SUNPORT LOOP	8.0	7.5	60.0		X	W6X9	14.9		14.6		2
S-57	STA. 98+50 SUNPORT	12.0	5.0	60.0		X	W6X9	12.4		12.6		2
S-58	STA. 13+35 YALE	16.0	8.0	128.0		X	W6X15	15.0		15.0		2
S-59	SUNPORT LOOP W.B. (RT)	9.0	7.5	67.5		X	W6X9	14.8		15.1		2
S-59	**SUNPORT LOOP W.B. (LT)**	**9.0**	**7.5**	**67.5**		**X**	**W6X9**	**14.8**		**15.1**		**2**
S-60	STA. 0+50 SUNPORT LOOP	10.5	6.0	63.0		X	W6X9	10.0		10.0		2
S-61	YALE BRIDGE	8.0	2.0	16.0	X		(BRIDGE MOUNTED)					
S-62	YALE BRIDGE	8.0	2.0	16.0	X		(BRIDGE MOUNTED)					
S-63	TRAFFIC SIGNAL @ GEORGE RD.	1.33	4.0	5.3		X	(MOUNTED ON MASTARM & PEDESTAL POLE)					
S-64	TRAFFIC SIGNAL @ UNIV. BLVD.	1.33	8.5	22.6*		X	(MOUNTED ON MASTARM)					
OH-34	STA. 79+00 SUNPORT	18.0	11.0	198.0	X		(INSTALLED ON EXISTING SIGN STRUCTURE)					
OH-36	STA. 96+00 SUNPORT	38.0	11.0	418.0	X		(SIGN BRIDGE STRUCTURE)					
OH-37	STA. 2+50 RAMP S-U	22.0	10.5	231.0	X		(CANTILEVER SIGN STRUCTURE)					
OH-38	STA. 106+25 SUNPORT	25.5	11.0	280.5	X		(CANTILEVER SIGN STRUCTURE)					
OH-39	STA. 114+45 SUNPORT	33.0	11.0	363.0	X		(SIGN BRIDGE STRUCTURE)					
OH-40	STA. 117+30 SUNPORT	24.0	11.0	264.0	X		(INSTALLED ON EXISTING SIGN STRUCTURE)					
OH-41	SUNPORT LOOP W.B.	8.0	11.0	88.0	X		(INSTALLED ON EXISTING SIGN STRUCTURE)					
OH-42	SUNPORT LOOP W.B.	34.0	11.0	374.0	X		(INSTALLED ON EXISTING SIGN STRUCTURE)					
OH-43	STA. 5+30 SUNPORT LOOP W.B.	48.0	11.0	528.0	X		(SIGN BRIDGE STRUCTURE)					
OH-44	STA. 4+50 YALE	33.0	12.0	396.0	X		(INSTALLED ON EXISTING SIGN STRUCTURE)					
OH-45	STA. 8+75 YALE	33.0	11.0	363.0	X		(INSTALLED ON EXISTING SIGN STRUCTURE)					
OH-46	STA. 14+80 YALE	33.0	11.0	363.0	X		(SIGN BRIDGE STRUCTURE)					
OH-47	STA. 66+50 SUNPORT	12.0	12.0	144.0	X		(INSTALLED ON EXISTING SIGN STRUCTURE)					
OH-48	STA. 72+80 SUNPORT	18.0	6.0	108.0	X		(INSTALLED ON EXISTING SIGN STRUCTURE)					
OH-32	I-25	17.0	8.5	144.5	X		(INSTALLED ON EXISTING SIGN STRUCTURE)					
		2.5	10.0	25.0	X							
I-37A	STA. 1404+20 I-25	17.0	8.5	144.5	X		W10X22	19.0		21.0		2
		2.5	10.0	25.0	X							
I-23	I-25	10.0	7.5	75.0	X		(INSTALLED ON EXISTING SIGN POSTS)					
TOTAL				6107.9								
USE				6110.0								

* 2 SIGNS

SUMMARY OF QUANTITIES

EXTRUDED PANEL SIGNS

ITEM NO.	DESCRIPTION	UNIT	QUANT.
701010	EXTRUDED PANEL SIGN	S.F.	3955
701020	RETROREFLECTIVE SHEETING FIELD OVERLAY PANEL	S.F.	48
701040	REMOVED AND RESET EXTRUDED PANEL SIGNS	S.F.	2155

SIGN POSTS

I-BEAM POSTS				BREAKAWAY BASE SYSTEMS			
ITEM NO.	POST SECTION	UNIT	QUANT	ITEM NO.	POST SECTION	UNIT	QUANT
701109	W6X9	L.F.	370.7	701209	W6X9	EA.	28
701115	W6X15	L.F.	30.0	701215	W6X15	EA.	2
701122	W10X22	L.F.	40.0	701222	W10X22	EA.	2
701126	W10X26	L.F.	52.7	701226	W10X26	EA.	2
701136	W12X26	L.F.	47.6	701236	W12X26	EA.	2

OVERHEAD SIGN STRUCTURE

ITEM NO.	STRUCTURE NO.	DESCRIPTION	UNIT	QUANT.
701440	2	CANTILEVER TYPE, 201 TO 250 S.F.	EA.	1
701450	3	CANTILEVER TYPE, 251 TO 300 S.F.	EA.	1
701500	–	BRIDGE MOUNT TYPE 0 TO 50 S.F.	EA.	2
701570	4&5	BRIDGE TYPE, 351 TO 400 S.F.	EA.	2
701580	1	BRIDGE TYPE, 401 TO 450 S.F.	EA.	1
701595	6	BRIDGE TYPE, 501 TO 550 S.F.	EA.	1

NOTES:

1. ALL TRAFFIC CONTROL DEVICES COMPLY WITH N.M. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (1994 EDITION), ANY APPLICABLE SPECIAL PROVISION AND/OR SUPPLEMENTAL SPECIFICATION AND THE CURRENT EDITION OF THE MUTCD.
2. ON ALL EXTRUDED PANEL SIGNS AND LEGENDS, (INCLUDING BORDERS, SHIELDS, AND SYMBOLS) ARE DEMOUNTABLE (0.030 INCH, MINIMUM THICKNESS, 6061-T6 OR 5052-H38 ALUMINUM ALLOY WITH SHOP APPLIED ENCAPSULATED LENS SHEETING) ATTACHED WITH CORROSIVE RESISTANT SCREWS, BOLTS, OR HOLLOW SHANK ALUMINUM RIVETS OR APPLIED (ENCAPSULATED LENS SHEETING WITH INTEGRAL SEMI-RIGID, 0.005-INCH MINIMUM THICKNESS ALUMINUM BACKING) ATTACHED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.
3. POST LENGTHS AND SECTIONS SHOWN ARE FOR INFORMATION OF THE CONTRACTOR ONLY. FINAL POST LENGTHS AND SECTIONS WERE DETERMINED BY THE PROJECT MANAGER IN THE FIELD AND PROVIDED TO THE CONTRACTOR PRIOR TO FABRICATION OF SIGN POSTS.

wm Jones P.E.

RECORD DRAWING

DATE: 11/03/97 | DRAFTED BY: O.V.

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT. THESE DRAWINGS WERE ORIGINALLY PREPARED IN CADD FORMAT AND APPROVED FOR CONSTRUCTION BY THE CITY ENGINEER ON 5/30/96. DRAWINGS INCLUDED IN THIS SET WHICH DO NOT HAVE ORIGINAL DRC SIGNATURES HAVE BEEN MODIFIED AND REPLOTTED FOR RECORD DRAWING PURPOSES.

2c-4044.91/1 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
INSPECTOR'S LOCATIONS STAKED BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY
		DESIGN	DESIGNED BY MWJ — DATE 5/25/96
			DRAWN BY STAFF — DATE 5/25/96
			CHECKED BY TDS — DATE 5/25/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

PERMANENT SIGNING
ESTIMATED QUANTITIES

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	8-17	

CABQUAN1.DWG 1=1 5/25/96

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SIGN CODE	NO. OF SIGNS	TOTAL SIGN AREA SQ.FT.	POST LENGTHS (FT.)				MOUNTING REQUIREMENTS						BASE-POSTS (FT.)	
							FLANGED CHANNEL			DRIVEDOWN POSTS 0.1345 THICK		PORTABLE SIGN SUPPORT		
			LEFT	CTR.	RIGHT	TOTAL	2.50 LB/FT	3.00 LB/FT	4.00 LB/FT	2 3/16 x 2 3/16	2 1/2 x 2 1/2		NO.	TOTAL LENGTH
R1-1-30	2	12.5		9.5		19.0				X			2	7.0
R2-1-36-15	3	36.0	11.0		11.0	66.0				X			6	21.0
R2-1-36-20	1	12.0	11.0		11.0	22.0				X			2	7.0
R2-1-36-25	2	24.0	11.0		11.0	44.0				X			4	14.0
R2-1-36-30	3	36.0	11.0		11.0	66.0				X			6	21.0
R2-1-36-35	2	24.0	11.0		11.0	44.0				X			4	14.0
R2-1-36-45	1	12.0	11.0		11.0	22.0				X			2	7.0
R3-7R-30	2	12.5		9.5		19.0				X			2	7.0
R4-7-24	1	5.0		9.5		9.5				X			2	7.0
R3-5R-30	2	15.0		8.5		17.0				X			2	7.0
R5-1-30*	3	18.75		9.5		19.0				X			2	7.0
R3-5L-30	2	7.5												
R6-1L-36*	2	6.0		8.0		8.0				X			2	7.0
R6-1R-36*	2	6.0		8.0		8.0				X			2	7.0
W1-1L-30	2	12.5		10.5		21.0				X			2	7.0
W3-3-36(1)	2	18.0		10.5						X			1	3.5
W4-3R-36	2	18.0		10.5		21.0				X			2	7.0
W4-2L-36	1	9.0		10.5		21.0				X			2	7.0
W9-2R-36	1	9.0		10.5		21.0							2	7.0
W13-1-18-25	**2	4.5												
W13-3-36-30	1	15.0	12.0		12.0	36.0					X		2	7.0
W13-3-36-35	1	15.0	12.0		12.0	36.0					X		2	7.0
E5-1-72	1	30.0	12.0		12.0	24.0					X		2	7.0
R3-1-24(2)	2	8.0												
R3-2-24(2)	2	8.0												
TOTAL		374.25				543.5								185.5

* ONE SIGN MOUNTED ON SAME POST WITH ANOTHER SIGN.

** SIGN MOUNTED ON SAME POST WITH ANOTHER SIGN

(1) ONE SIGN MOUNTED ON EXISTING POST

(2) MOUNTED ON TRAFFIC SIGNAL MASTARM

NOTES:

1 ALL SIGNS, UNLESS OTHERWISE SPECIFIED, HAVE REFLECTIVITY III SHEETING FOR THE LEGEND, BORDER, AND BACKGROUND. ONLY ALUMINUM PANEL SIGNS ARE PERMITTED.

2 QUANTITIES MAY VARY AS FIELD CONDITIONS DICTATE. THE CONTRACTOR WAS PAID FOR ACTUAL QUANTITIES USED.

3 ALL TRAFFIC CONTROL DEVICES COMPLY WITH N.M. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (1994 EDITION) AND ANY APPLICABLE SPECIAL PROVISION AND/OR SUPPLEMENTAL SPECIFICATION. ALSO THE CURRENT EDITION OF THE M.U.T.C.D.

4 EACH SIGN FACE SHOWN ON PLANS MEETS THE SPECIFICATIONS IN THE STANDARD HIGHWAY SIGNS MANUAL (1979 EDITION) FOR PROPER ARRANGEMENT, SPACING OF LETTERS, LETTER HEIGHT, LETTER SERIES, SYMBOLS AND BORDERS FOR THE SPECIFIED SIZE AND MESSAGE AS SHOWN ON PLANS.

5 BID ITEM-STELL POSTS AND BASE POSTS OR ALUMINUM PANEL SIGN. THE CONTRACTOR HAD THE OPTION OF SUPPLYING EITHER THE FLANGED CHANNEL OR THE DRIVEDOWN POST CROSS-SECTION INDICATED. REFER TO NEW MEXICO STANDARDS, SN-75-1, TBAC-001, AND TBAC-002.

6 SIGN POST LENGTHS UP TO 14 FT ARE CONTINUOUS. SPLICING WAS ONLY PERMITTED WHEN THE POST LENGTH EXCEEDED 14 FT AND WHEN THE SPLICE WAS NOT MORE THAN 24 INCHES ABOVE GROUND, NOR SHOULD THE SPLICE EXTEND INTO THE GROUND.

7 PRIOR TO FABRICATION, THE CONTRACTOR SUBMITTED TO THE PROJECT MANAGER FOR APPROVAL, SHOP DRAWINGS OF SPECIAL SIGN FACE DETAILS (THOSE OTHER THAN STANDARD M.U.T.C.D. APPROVED SIGNS). THESE DRAWINGS SHOW THE ARRANGEMENT AND SPACING OF LETTERS, LETTER HEIGHT, SYMBOLS AND BORDERS FOR THE MESSAGE INDICATED ON THE PLANS.

8 POST LENGTHS ARE BASED ON A MINIMUM OF 7 FT. THE LENGTHS ARE MEASURED FROM THE BOTTOM OF THE SIGN TO NEAR EDGE OF THE TRAVELWAY OR TO TOP OF CURB.

SUMMARY OF QUANTITIES

ITEM NO.	BID ITEM	UNITS	QUANTITY	TOTAL
606600	TEMPORARY CWB	L.F.	160	
701000	PANEL SIGNS	S.F.	374.25	
701100	STEEL POST AND BASE POST FOR PANEL SIGNS	L.F.	729.0	
703200	FLEXIBLE TRAFFIC MARKER	EA.	3	
703300	REFLECTIVE BARRIER, DELINEATOR	EA.	20	
704204	REFLECTORIZED PLASTIC PAVEMENT STRIPE 4"	L.F.	25,882	
704208	REFLECTORIZED PLASTIC PAVEMENT STRIPE 8"	L.F.	3,465	
704300	REFLECTOIZED PLASTIC COMBINATION (THRU & LEFT) ARROW	EA.	2	
704320	REFLECTORIZED PLASTIC RIGHT ARROW	EA.	6	
704330	REFLECTORIZED PLASTIC LEFT ARROW	EA.	6	
704400	REFLECTORIZED PLASTIC WORD "ONLY"	EA.	5	

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
INSPECTED BY
ACCEPTANCE — DATE
FIELD
MODIFICATIONS BY — DATE
DRAWINGS
CORRECTED BY — DATE

BENCH MARKS
STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92
	"	

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY
		DESIGN	

DESIGNED BY WMJ — DATE 5/24/96
DRAWN BY STAFF — DATE 5/24/96
CHECKED BY TDS — DATE 5/24/96

26-4044.91 1/5/98

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BLVD - PHASE II

PERMANENT SIGNING ESTIMATED QUANTITIES

Wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	8-18	

PERMSIGN.DWG 1=1 5/24/96

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ESTIMATED LIGHTING QUANTITIES

NUMBER	ITEM	UNIT	QUANTITY	TOTAL
504010	REINFORCING BARS – GRADE 40	LB	4,100	
511000	STRUCTURAL CONCRETE – CLASS A	C.Y.	58	
710000	ELECTRICAL PULL BOX	EA	4	
707120	TYPE V STANDARD – 40	EA	86	
709010	RIGID ELEC. CONDUIT – 3/4" PVC	L.F.	200	
709020	RIGID ELEC. CONDUIT – 2" PVC	L.F.	8,300	
711222	SINGLE CONDUCTOR #12	L.F.	2,500	
711224	SINGLE CONDUCTOR #10	L.F.	6,350	
711108	SINGLE CONDUCTOR #8	L.F.	33,100	
711228	SINGLE CONDUCTOR #6	L.F.	4,850	
711231	SINGLE CONDUCTOR #4	L.F.	4,400	
711234	SINGLE CONDUCTOR #2	L.F.	1,500	
716021	ROADWAY LUMINARE – TYPE 4005	EA	86	
716301	UNDERPASS LUMINARE	EA	2	

FROM	TO	DIST.	CURRENT CARRYING NUMBER OF	CURRENT CARRYING SIZE	EQUIPMENT GROUND
CONT	6	249	3	2	10
6	3	146	3	8	10
3	2	147	2	8	10
2	1	142	3	8	10
~~6~~	~~5~~	~~100~~	3	2	10
5	4	62	2	8	10
5	8	154	3	2	10
8	7	42	2	8	10
8	11	155	3	2	10
11	10	85	3	4	10
10	13	146	3	4	10
13	22	136	3	4	10
~~22~~	~~21~~	~~50~~	3	8	10
21	20	211	3	8	10
~~20~~	~~17~~	~~175~~	2	8	10
22	26	148	3	4	10
26	29	154	3	4	10
29	32	156	3	4	10
32	35	156	3	6	10
35	38	160	3	6	10
38	40	165	3	8	10
40	42	155	3	8	10
42	44	156	2	8	10
PB	14	62	3	6	10
14	23	154	3	6	10
23	27	154	3	8	10
27	30	156	3	8	10
30	33	154	3	8	10
33	36	120	2	8	10
6	9	152	3	4	10
~~9~~	~~46~~	~~100~~	3	8	10
46	15	184	3	8	10
PB	12	162	3	4	10
12	16	144	3	4	10
16	24	142	3	8	10
24	19	65	3	8	10
19	18	72	2	8	10
16	25	154	3	4	10
25	28	154	3	6	10
28	31	154	3	6	10
31	34	156	3	6	10
34	37	156	3	6	10
37	39	156	3	6	10
39	41	156	3	8	10
41	43	156	3	8	10
43	45	156	2	8	10

STREET LIGHT WIRING SCHEDULE PHASE II

FROM	TO	DIST.	CURRENT CARRYING NUMBER OF	CURRENT CARRYING SIZE	EQUIPMENT GROUND
15	14	70	3	6	10
14	18	170	3	8	10
18	22	155	3	8	10
22	26	182	3	8	10
26	30	165	3	8	10
30	33	212	3	8	10
33	36	177	3	8	10
36	40	182	3	8	10
40	44	170	3	8	10
44	48	183	3	8	10
48	52	175	3	8	10
52	56	165	3	8	10
56	60	171	3	8	10
22	68	126	3	8	10
68	69	178	3	8	10
67	66	152	2	8	10
67	37	235	3	8	10
37	41	162	3	8	10
31	71	156	2	8	10

FROM	TO	DIST.	CURRENT CARRYING NUMBER OF	CURRENT CARRYING SIZE	EQUIPMENT GROUND
41	45	215	3	8	10
45	49	162	3	8	10
49	53	156	3	8	10
53	57	152	3	8	10
57	61	178	3	8	10
61	63	126	3	8	10
16	17	105	3	6	10
17	21	160	3	6	10
21	25	212	3	8	10
25	29	184	3	8	10
29	32	222	3	8	10
32	35	172	3	8	10
35	39	171	3	8	10
39	43	133	3	8	10
43	47	184	3	8	10
47	51	168	3	8	10
51	55	165	3	8	10
55	59	150	3	8	10
65	34	172	3	8	10
34	38	162	3	8	10
38	42	158	3	8	10
42	46	160	3	8	10
46	50	160	3	8	10
50	54	158	3	8	10
54	58	153	3	8	10
58	62	169	3	8	10

STREET LIGHT WIRING SCHEDULE

FOR INSTALLATION OF POLES AND FIXTURES WHERE BASES AND CONDUIT WERE INSTALLED AS PART OF PHASE I.

GENERAL ELECTRICAL NOTES

1. CIRCUIT #1 PHASE A & PHASE B
   CIRCUIT #2 PHASE B & PHASE C
   CIRCUIT #3 PHASE A & PHASE C
   } 480VAC
2. REFER TO WIRING SCHEDULE FOR WIRE SIZES FOR INSTALLATION AT EXISTING BASES.
3. REFER TO NMSHTD TYPE "V" STANDARD FOUNDATION AND BASE DETAILS (DATED MAY 1, 1992) FOR INSTALLATION REQUIREMENTS AT EACH FIXTURE LOCATION.
4. CONDUIT LOCATIONS ON PLANS ARE AS SHOWN FOR DRAFTING CLARITY. ROUTE AS REQUIRED BY DETAILS AND TO PROVIDE A DIRECT, PRACTICAL INSTALLATION. SHOW EXACT LOCATIONS ON RECORD DRAWING SET.
5. PULLBOX LOCATIONS ON PLANS ARE AS SHOWN FOR DRAFTING CLARITY. INSTALL AS REQUIRED BY DETAILS AND TO PROVIDE A DIRECT, PRACTICAL INSTALLATION. SHOW EXACT LOCATIONS ON RECORD DRAWING SET.
6. REFER TO SIGNAGE PLANS FOR EXACT LOCATIONS OF SIGN BASES FOR ALL LIGHTED SIGNS.
7. SPLICES MADE IN PULLBOXES WERE MADE WITH A WATERTIGHT REENTERABLE SPLICE KIT AND COMPRESSION BUTT SPLICES BY 3M.
8. ALL 400 WATT LUMINAIRES WERE FURNISHED WITH FLAT GLASS LENS AND CUTOFF OPTICS.
9. REFER TO IRRIGATION PLAN FOR EXACT LOCATION OF IRRIGATION CONTROLLERS AND BACKFLOW PREVENTER.

ELECTRICAL LEGEND

(##/#) – FIXTURE NUMBER / – CIRCUIT NUMBER

BAW BAW– PROVIDE BREAK–AWAY POLE BASE

– – – – 2" SCHEDULE 40 PVC CONDUIT 24" BFG WITH CIRCUITS INDICATED UNLESS NOTED OTHERWISE.

P ■ NMSHTD STANDARD PULLBOX WITH "ELECTRIC" LABELED SEALING LID

C ■ NMSHTD STANDARD PAD MOUNTED CONTROL CABINET FOR STREET LIGHTING AND SIGNAGE. ALSO USED ON PLANS FOR SPRINKLER CONTROLLER LOCATIONS. SPRINKLER CONTROLLERS ARE CALLED OUT IN THE IRRIGATION SECTION OF THE PLANS.

S ■ NMSHTD STANDARD PULLBOX WITH "SIGNAL" LABELED SEALING LID

NMSHTD STANDARD TYPE V LUMINAIRE, POLE AND BASE, COMPLETE

NMSHTD STANDARD POLE BASE AS CALLED FOR ON PLANS

SIGN BRIDGE STRUCTURE, SIGN CALLED OUT IN SIGNAGE SECTION OF THE PLANS

CANTILEVER SIGN STRUCTURE, SIGN CALLED OUT IN SIGNAGE SECTION OF THE PLANS

(PEC) PHOTOELECTRIC CELL 120/277V

600V CIRCUIT BREAKER

N.O. CONTACT OF LIGHTING CONTACTOR

NEMA 3R DISCONNECT

STA. # + ## — APPROX. LOCATION OF FIXTURE
SUNPORT — NAME OF ROAD/RAMP
40–10–400–3–S — HIGH PRESSURE SODIUM
LIGHTING DISTRIBUTION TYPE
LAMP WATTAGE
ARM LENGTH
MOUNTING HEIGHT

AS BUILT INFORMATION
CONTRACTOR — DATE
STAKED BY — DATE
INSPECTORS — DATE
FIELD CHANGES BY — DATE
VERIFICATION BY — DATE
MARKINGS CORRECTED BY — DATE
MICRO–FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
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PROJECT: X=389231.63, Y=473027.84, EL=5310.21

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS DESIGN	
		DESIGNED BY	WNH
		DRAWN BY	JRR
		CHECKED BY	SES

26-4044.91/157798

MOLZEN–CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

ELECTRICAL LIGHTING GENERAL NOTES, DETAILS & ESTIMATED QUANTITIES

W M Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	9–1	

EABEST01.DWG 1=1 05/28/96

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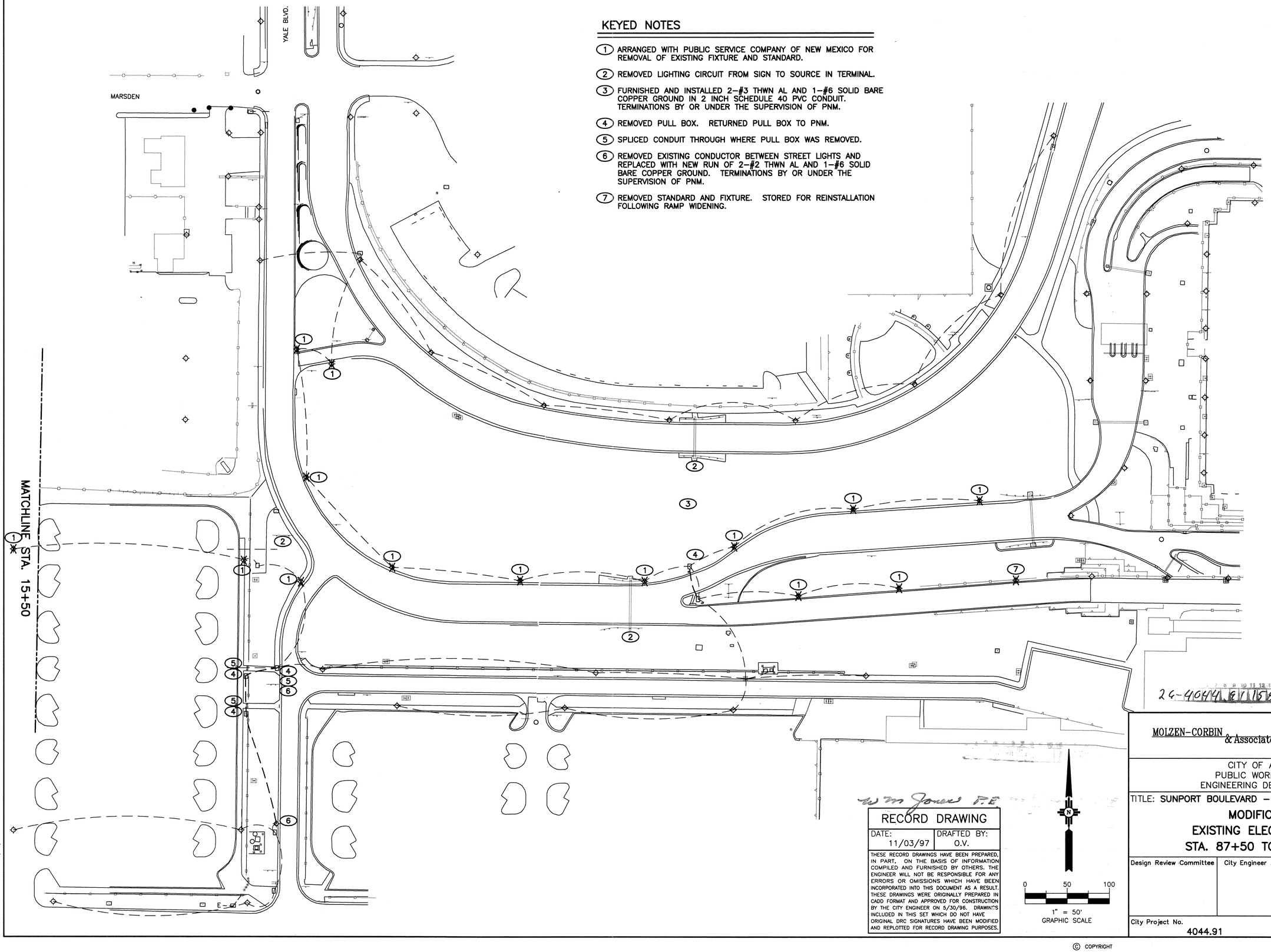

KEYED NOTES

1. ARRANGED WITH PUBLIC SERVICE COMPANY OF NEW MEXICO FOR REMOVAL OF EXISTING FIXTURE AND STANDARD.
2. REMOVED LIGHTING CIRCUIT FROM SIGN TO SOURCE IN TERMINAL.
3. FURNISHED AND INSTALLED 2–#3 THWN AL AND 1–#6 SOLID BARE COPPER GROUND IN 2 INCH SCHEDULE 40 PVC CONDUIT. TERMINATIONS BY OR UNDER THE SUPERVISION OF PNM.
4. REMOVED PULL BOX. RETURNED PULL BOX TO PNM.
5. SPLICED CONDUIT THROUGH WHERE PULL BOX WAS REMOVED.
6. REMOVED EXISTING CONDUCTOR BETWEEN STREET LIGHTS AND REPLACED WITH NEW RUN OF 2–#2 THWN AL AND 1–#6 SOLID BARE COPPER GROUND. TERMINATIONS BY OR UNDER THE SUPERVISION OF PNM.
7. REMOVED STANDARD AND FIXTURE. STORED FOR REINSTALLATION FOLLOWING RAMP WIDENING.

wm Jones P.E

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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0 50 100
1" = 50'
GRAPHIC SCALE

24-4044.91 15898

AS BUILT INFORMATION

CONTRACTOR
STAKED BY — DATE
INSPECTOR'S
AS-STAKES BY — DATE
FIELD
VERIFICATION BY — DATE
DRAWINGS
CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

BENCH MARKS

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PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY
		DESIGN	
DESIGNED BY		WNH	
DRAWN BY	05/21/96	JRR	
CHECKED BY	05/21/96	SES	
	05/21/96		

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **SUNPORT BOULEVARD – PHASE II**

MODIFICATIONS TO EXISTING ELECTRICAL LIGHTING STA. 87+50 TO STA. 118+40.81

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	9–2	

EABEXIST.DWG 1=50 05/23/96

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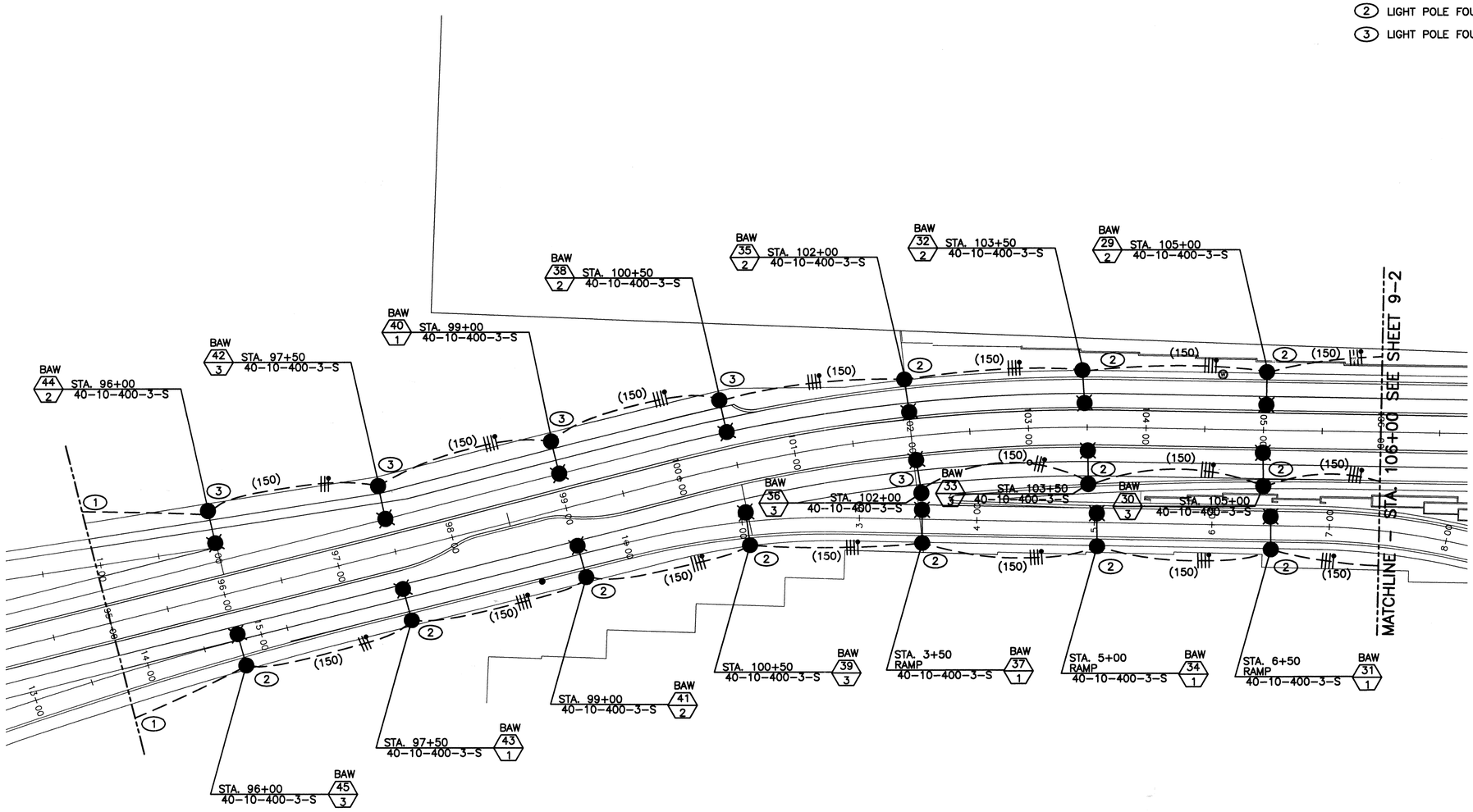
KEYED NOTES

1. LOCATED EXISTING 2" CONDUIT FROM PHASE 1 CONSTRUCTION AND EXTENDED TO POLE BASE. CONDUIT ONLY.
2. LIGHT POLE FOUNDATION WITH FACE 2' BEHIND BACK OF CURB.
3. LIGHT POLE FOUNDATION WITH FACE AT EDGE OF SHOULDER.



ELECTRICAL LIGHTING PLAN

SCALE: 1" = 50'-0"

0 50 100

1" = 50'
GRAPHIC SCALE

AS BUILT INFORMATION

CONTRACTOR
STAKED BY — DATE
INSPECTORS
ASSEMBLED BY — DATE
FIELD
VERIFICATION BY — DATE
MARKINGS
CORRECTED BY — DATE

MICRO-FILM INFORMATION

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SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

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REVISIONS

NO.	DATE	REMARKS	BY	DATE
		DESIGN	WNH	5/21/96
		DESIGNED BY	JRR	5/21/96
		DRAWN BY	SES	5/21/96
		CHECKED BY		

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **SUNPORT BOULEVARD – PHASE II**

ELECTRICAL LIGHTING PLAN
SUNPORT BLVD.
STA. 95 + 00 TO STA. 106 + 00

24-4044.91 / 5998

W M Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	9-3	

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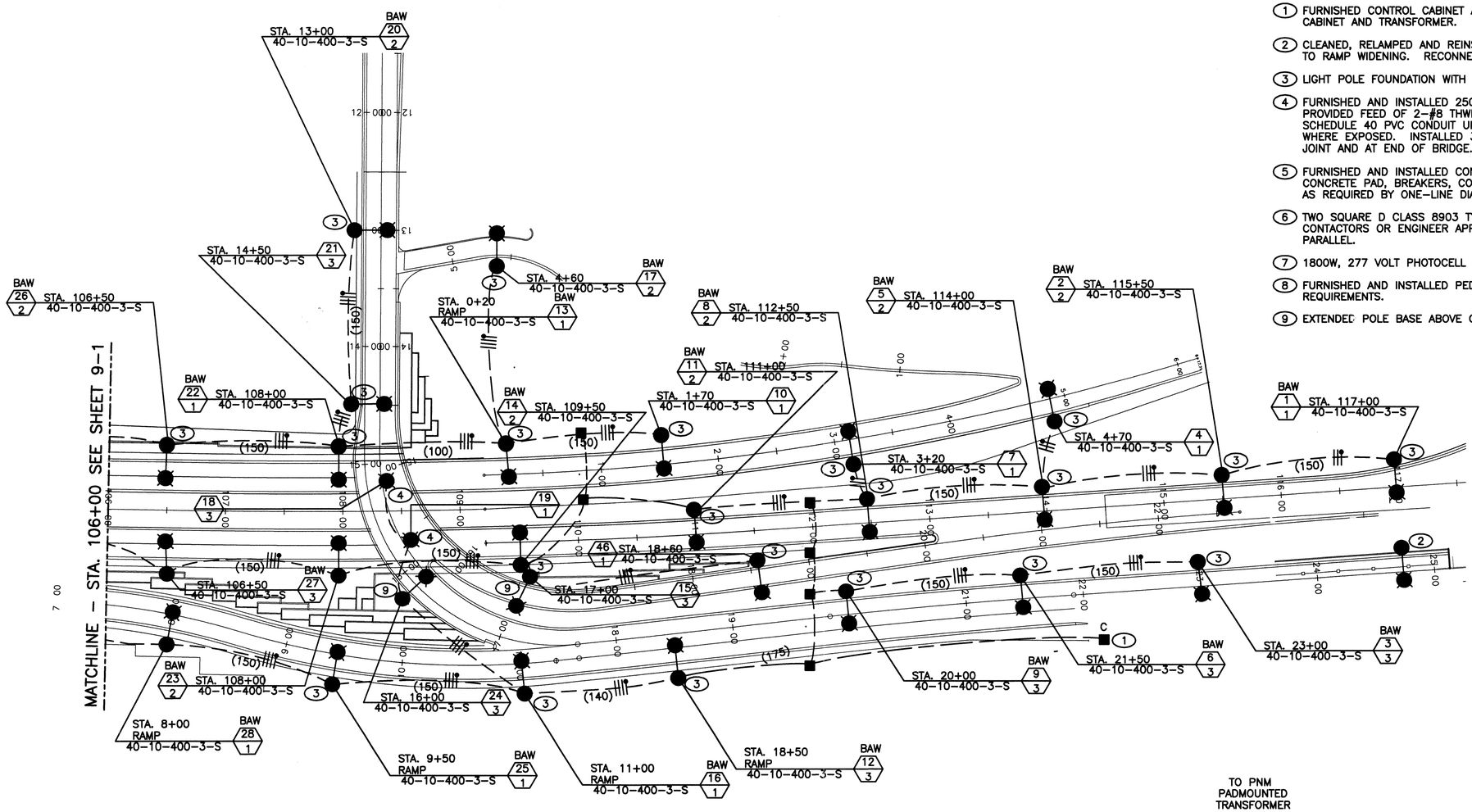
E4BLTGP1.DWG 1=1 05/23/96

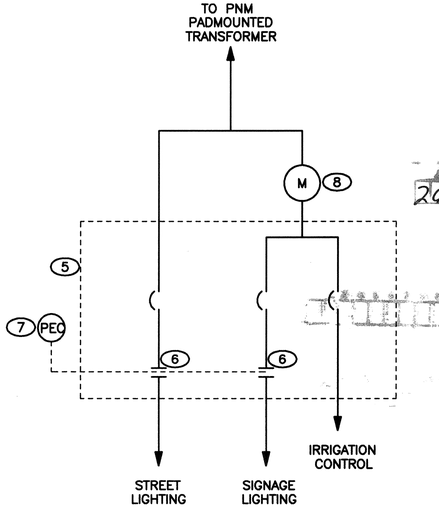
KEYED NOTES

1. FURNISHED CONTROL CABINET AND PAD AND INSTALLED ADJACENT TO EXISTING CONTROL CABINET AND TRANSFORMER.
2. CLEANED, RELAMPED AND REINSTALLED CITY OWNED STANDARD AND FIXTURE REMOVED PRIOR TO RAMP WIDENING. RECONNECTED TO CIRCUIT SERVING SIMILAR FIXTURES TO THE EAST.
3. LIGHT POLE FOUNDATION WITH FACE 2' BEHIND BACK OF CURB.
4. FURNISHED AND INSTALLED 250W HPS CROUSE-HINDS WPK25SC8XX UNDER BRIDGE. PROVIDED FEED OF 2-#8 THWN CU. AND 1-#10 GROUND IN 3/4" CONDUIT. USED SCHEDULE 40 PVC CONDUIT UNDERGROUND OR ENCASED IN CONCRETE AND IMT WHERE EXPOSED. INSTALLED 3/4" UV RESISTANT LFMC WHERE CROSSING EXPANSION JOINT AND AT END OF BRIDGE. REFER TO STRUCTURAL BRIDGE DETAILS.
5. FURNISHED AND INSTALLED CONTROL CABINET (HIGHWAY DEPARTMENT STANDARD), CONCRETE PAD, BREAKERS, CONTACTORS, PHOTOCELL, AND ASSOCIATED HARDWARE AS REQUIRED BY ONE-LINE DIAGRAM.
6. TWO SQUARE D CLASS 8903 TYPE-S OPEN TYPE, 600 VOLT, 100A 3 POLE CONTACTORS OR ENGINEER APPROVED EQUIVALENT, WITH 277VAC COILS WIRED PARALLEL.
7. 1800W, 277 VOLT PHOTOCELL MOUNTED ON NORTH SIDE OF ENCLOSURE.
8. FURNISHED AND INSTALLED PEDESTAL AND METER SOCKET CONFORMING TO PNM REQUIREMENTS.
9. EXTENDED POLE BASE ABOVE GROUND TO MATCH GRADE ON BRIDGE.



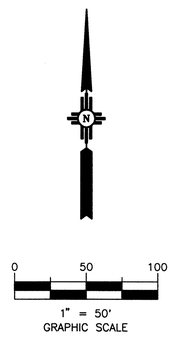
ELECTRICAL LIGHTING PLAN

SCALE: 1" = 50'-0"



CONTROL CABINET ONE-LINE DIAGRAM

SCALE: N.T.S.



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26-90449.1N/1616918

AS BUILT INFORMATION

CONTRACTOR STAKED BY	DATE
INSPECTOR'S ADDITIONS BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE

MICRO-FILM INFORMATION

RECORDED BY DATE NO.

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1935", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)

PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY	WNH
	5/21/96	DATE	
		DRAWN BY	JRR
	5/21/96	DATE	
		CHECKED BY	SES
	5/21/96	DATE	

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

ELECTRICAL LIGHTING PLAN
SUNPORT BLVD.
STA. 106+00 TO E.O.P.

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	9-4	

EARLTOP2.DWG 1=1 05/23/96

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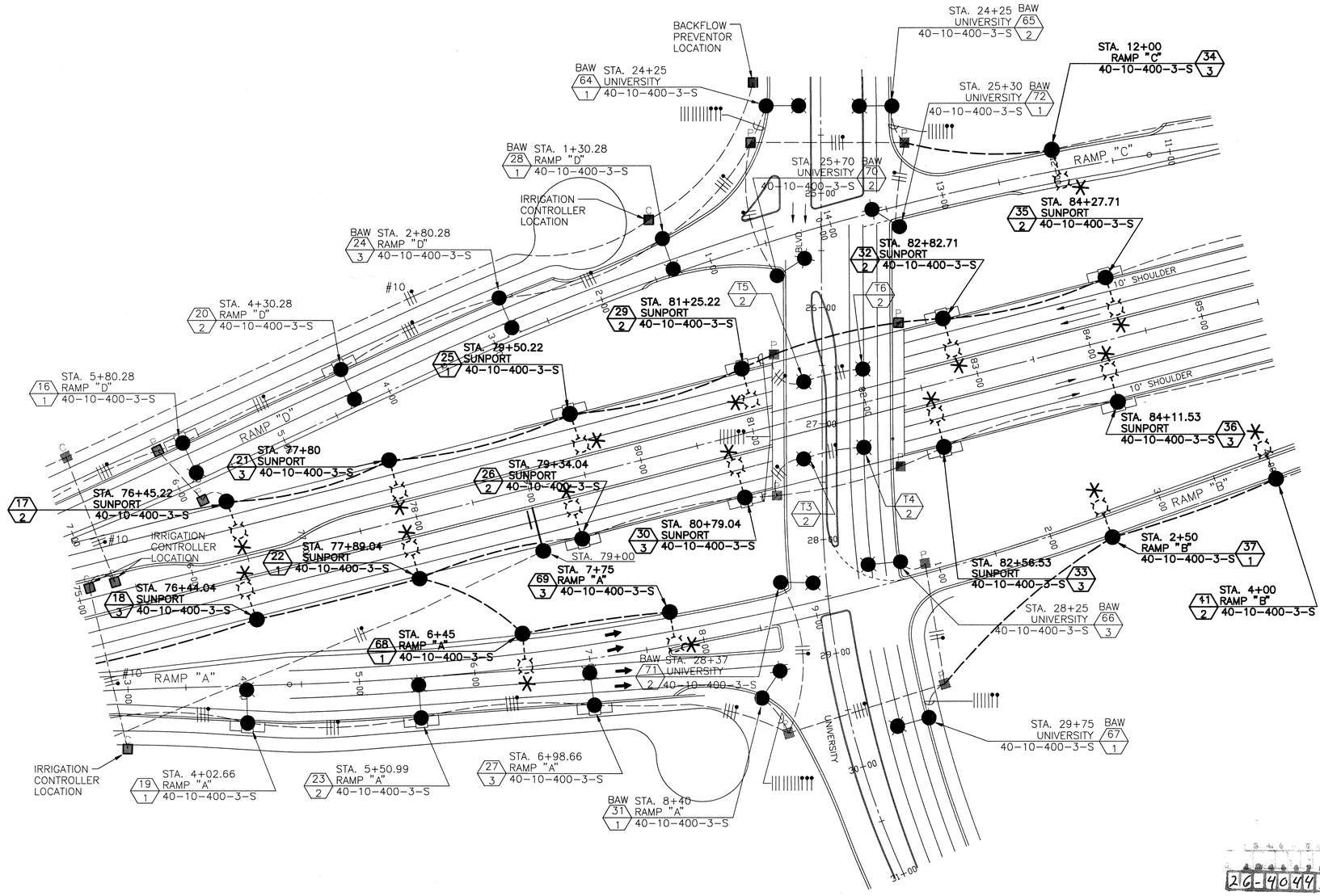
✳ POLE FOUNDATION AND CONDUIT INSTALLED IN SUNPORT BLVD PHASE I CONSTRUCTION CONTRACT. INSTALLED POLE (TYPE V STANDARD), WIRING AND LUMINAIRE THIS CONTRACT.



ELECTRICAL LIGHTING PLAN

SCALE: 1" = 50'-0"

AS BUILT INFORMATION	
CONTRACTOR	
STAKED BY	DATE
INSPECTOR'S CUTSHEETS BY	DATE
FIELD VERIFICATION BY	DATE
AS BUILTS CORRECTED BY	DATE

BENCH MARKS

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PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

RECORDED BY DATE

NO.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

REVISIONS	NO.	DATE	BY
DESIGN			
REMARKS			
DESIGNED BY WNH		DATE 5/23/96	
DRAWN BY STAFF		DATE 5/23/96	
CHECKED BY SES		DATE 5/23/96	

MOLZEN-CORBIN & Associates

26-4044.9 11 6 1 98

wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT. THESE DRAWINGS WERE ORIGINALLY PREPARED IN CADD FORMAT AND APPROVED FOR CONSTRUCTION BY THE CITY ENGINEER ON 5/30/96. DRAWINGS INCLUDED IN THIS SET WHICH DO NOT HAVE ORIGINAL DRC SIGNATURES HAVE BEEN MODIFIED AND REPLOTTED FOR RECORD DRAWING PURPOSES.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

ELECTRICAL LIGHTING PLAN
SUNPORT BLVD.
STA. 75+00 TO STA. 85+50

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	9–5	

ESPBV702.DWG 1"=50' 5/23/96

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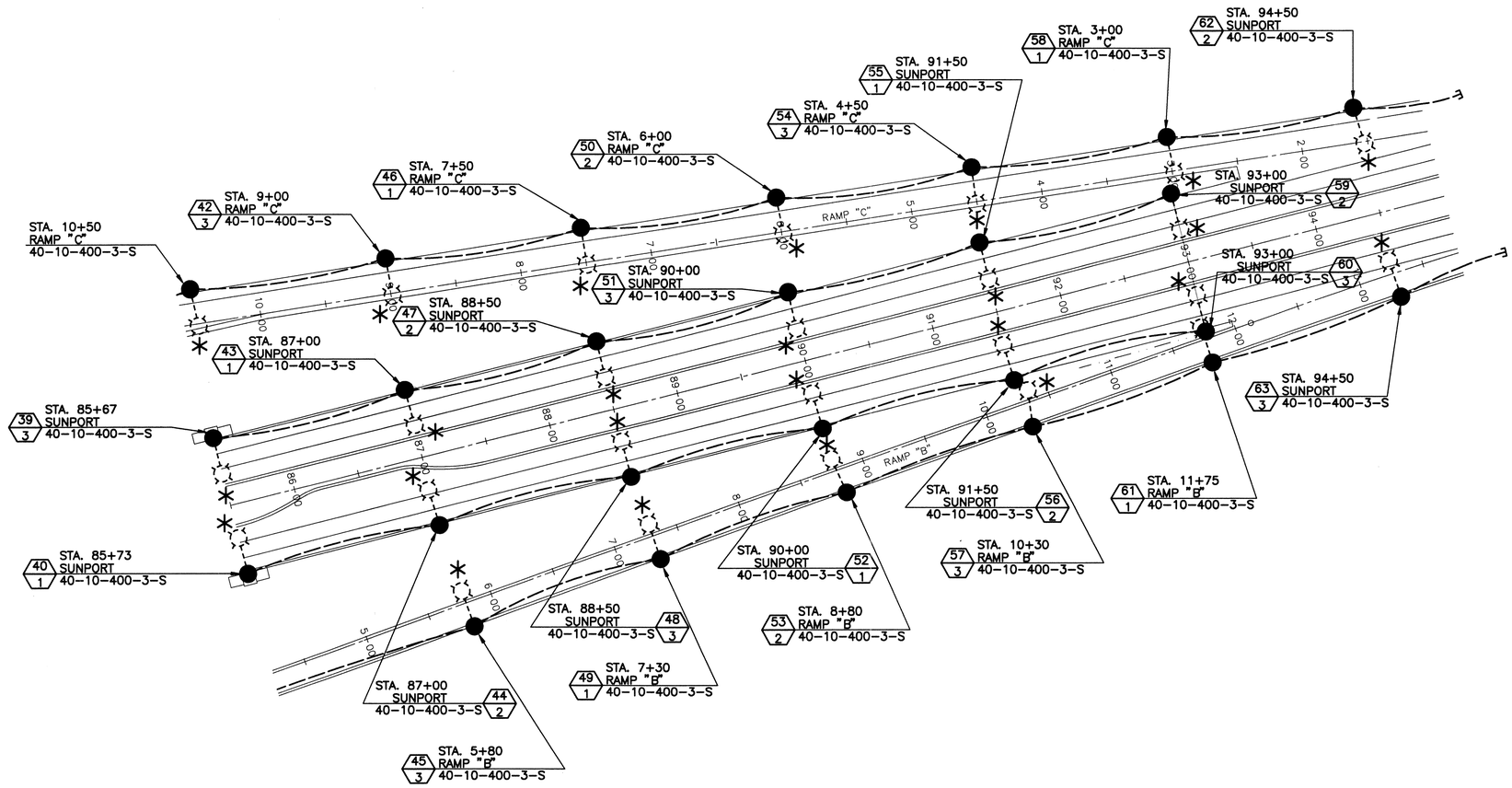
* POLE FOUNDATION AND CONDUIT INSTALLED IN SUNPORT BLVD PHASE I CONSTRUCTION CONTRACT. INSTALL POLE (TYPE V STANDARD), WIRING AND LUMINAIRE THIS CONTRACT.



ELECTRICAL LIGHTING PLAN

SCALE: 1" = 50'-0"

0 50 100

1" = 50'
GRAPHIC SCALE

AS BUILT INFORMATION

CONTRACTOR
STAKED BY — DATE
INSPECTOR'S
LOCATIONS BY — DATE
FIELD
VERIFICATION BY — DATE
AS-BUILTED
CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1935", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)

PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY WNH	DATE 5/23/96
		DRAWN BY STAFF	DATE 5/23/96
		CHECKED BY SES	DATE 5/23/96

MOLZEN-CORBIN & Associates

26-4044.91 11628

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **SUNPORT BLVD – PHASE II**

ELECTRICAL LIGHTING PLAN
SUNPORT BLVD.
STA. 85+50 TO STA. 95+00

W M Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	9–6	

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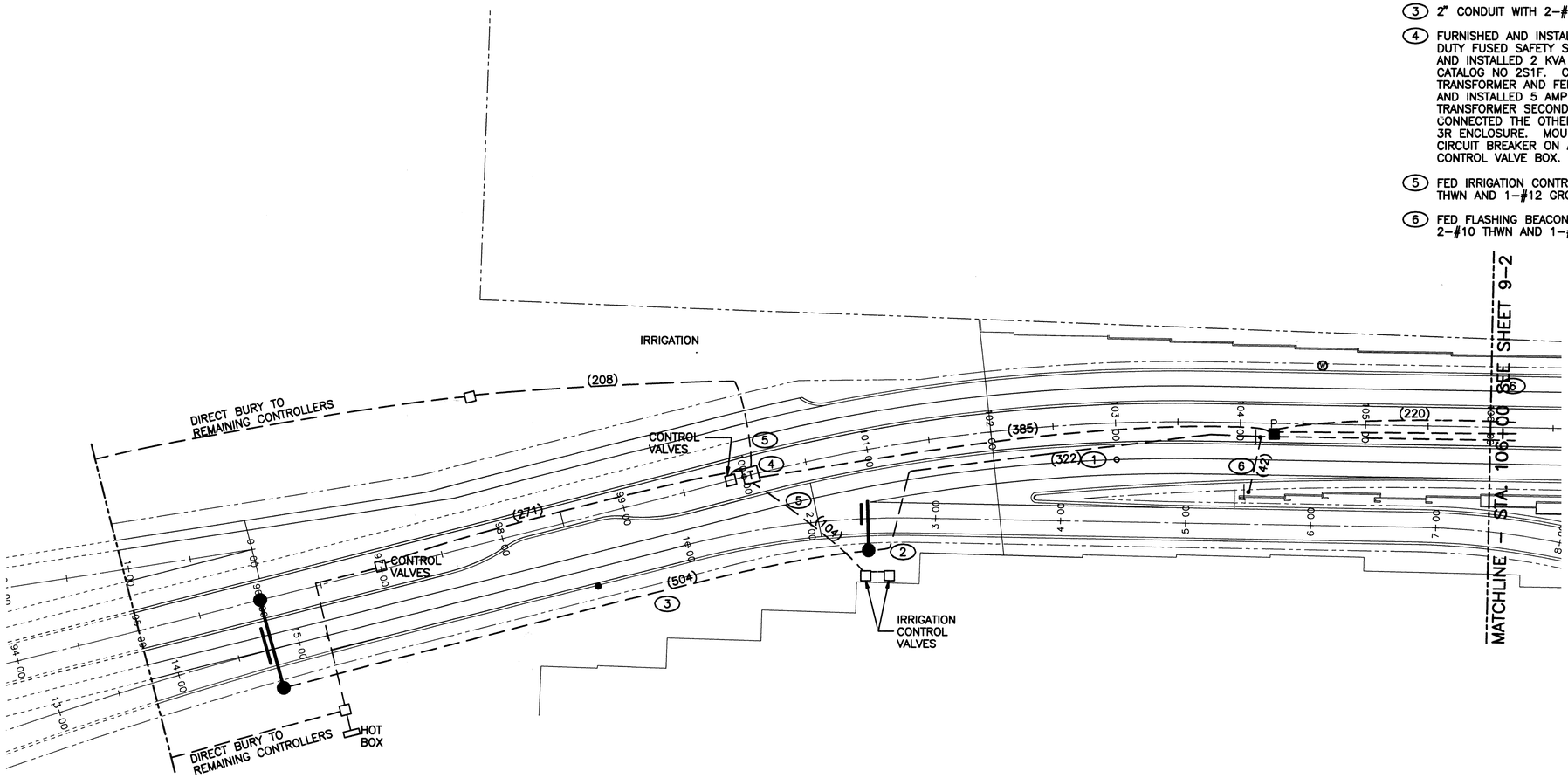
ESPBVT03.DWG 1=50 5/23/96

KEYED NOTES

1. SIGN LIGHTING CIRCUIT. 2" CONDUIT WITH 3–#8 THWN AND 1–#12 GND.
2. SERVED SIGN LIGHTING FROM PHASES A AND B.
3. 2" CONDUIT WITH 2–#10 THWN AND 1–#12 GND. PHASES B AND C.
4. FURNISHED AND INSTALLED 600 VOLT, 30 AMPERE, 2 POLE, NEMA 3R, GENERAL DUTY FUSED SAFETY SWITCH, SQUARE D CATALOG NO D211NRB. FURNISHED AND INSTALLED 2 KVA 480–120 VOLT SINGLE PHASE TRANSFORMER, SQUARE D CATALOG NO 2S1F. CONNECTED SAFETY SWITCH TO HIGH VOLTAGE SIDE OF TRANSFORMER AND FED FROM IRRIGATION CONTROLLER CIRCUIT. FURNISHED AND INSTALLED 5 AMPERE BUSS TYPE FRS–R FUSES. GROUNDED ONE LEG OF TRANSFORMER SECONDARY WITH A 5/8" X 10' COPPER CLAD GROUND ROD. CONNECTED THE OTHER LEG TO A 20 AMPERE GFI CIRCUIT BREAKER IN A NEMA 3R ENCLOSURE. MOUNTED SAFETY SWITCH, TRANSFORMER AND SECONDARY CIRCUIT BREAKER ON A STEEL FRAME SET IN CONCRETE NEAR IRRIGATION CONTROL VALVE BOX.
5. FED IRRIGATION CONTROLLERS FROM THE GFI CIRCUIT BREAKER WITH 2–#10 THWN AND 1–#12 GROUND IN 2" CONDUIT.
6. FED FLASHING BEACONS ON SPEED LIMIT SIGNS FROM TRANSFORMER WITH 2–#10 THWN AND 1–#12 GROUND IN 2" CONDUIT FOR EACH PAIR OF BEACONS.



ELECTRICAL POWER PLAN

SCALE: 1" = 50'–0"

AS BUILT INFORMATION	
CONTRACTOR	
STAKED BY	DATE
INSPECTOR'S	
AS-STAKES BY	DATE
FIELD	
VERIFICATION BY	DATE
REMARKS	
CORRECTED BY	DATE

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1935", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)

PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

MICRO–FILM INFORMATION

RECORDED BY DATE

NO.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY WNH DATE 5/23/96	
		DRAWN BY JRR DATE 5/23/96	
		CHECKED BY SES DATE 5/23/96	

MOLZEN–CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

SIGN LIGHTING AND GENERAL POWER SUNPORT BLVD.

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 4044.91 | Zone Map No. M15&16 | Sheet 9–7 Of

26 4044.91 1 1 6 3 98

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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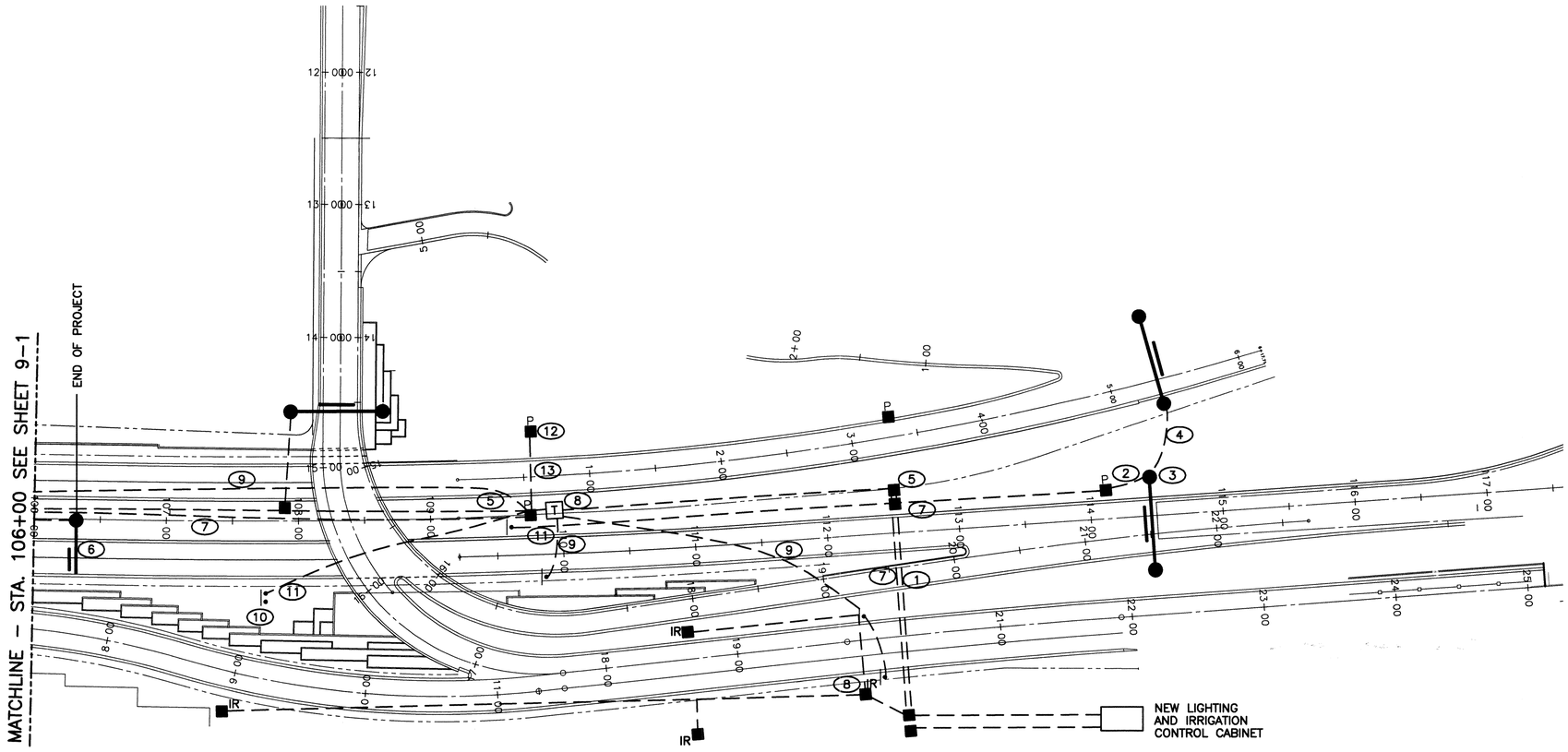
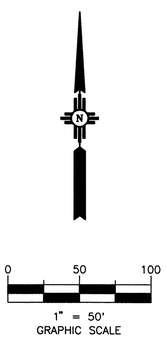


ELECTRICAL POWER PLAN

SCALE: 1" = 50'-0"



KEYED NOTES

1. 2" CONDUIT WITH 3–#8 THWN AND 1–#2 GND FROM SIGN LIGHTING CONTACTOR.
2. 2" CONDUIT WITH 3–#10 THWN AND 1–#12 GND TAP OF SIGN LIGHTING CIRCUIT.
3. SERVED SIGN LIGHTING FROM PHASES A AND B.
4. 2" CONDUIT WITH 2–#12 THWN AND 1–#12 GND. PHASES B AND C.
5. SIGN LIGHTING CIRCUIT. 2" CONDUIT WITH 3–#8 THWN AND 1–#12 GND.
6. SERVED SIGN LIGHTING FROM PHASES A AND C.
7. 2" CONDUIT WITH 2–#8 AND 1–#12 GND FROM IRRIGATION CONTROLLER CIRCUIT BREAKER.
8. FURNISHED AND INSTALLED 600 VOLT, 30 AMPERE, 2 POLE, NEMA 3R, GENERAL DUTY FUSED SAFETY SWITCH, SQUARE D CATALOG NO D211NRB. FURNISHED AND INSTALLED 1.5 KVA 480–120 VOLT SINGLE PHASE TRANSFORMER, SQUARE D CATALOG NO 1.5S1F. CONNECTED SAFETY SWITCH TO HIGH VOLTAGE SIDE OF TRANSFORMER AND FED FROM IRRIGATION CONTROLLER CIRCUIT. FURNISHED AND INSTALLED 5 AMPERE BUSS TYPE FRS–R FUSES. MOUNTED SAFETY SWITCH AND TRANSFORMER ON A STEEL FRAME SET IN CONCRETE NEAR PULL BOX.
9. FED FLASHING BEACONS ON SPEED LIMIT SIGNS FROM TRANSFORMER WITH 2–#10 THWN AND 1–#12 GND IN 2" CONDUIT FOR EACH PAIR OF BEACONS.
10. FURNISHED AND INSTALLED "SPEED MONITORING AWARENESS RADAR" UNIT FROM KUSTOM SIGNALS, INC., LENEXA, KANSAS. NO SUBSTITUTES. UNIT WAS INSTALLED FOR EVALUATION. INSTALLED UNIT AS RECOMMENDED BY MANUFACTURER BUT NO CLOSER THAN 2 FEET BEHIND BACK OF CURB.
11. FED RADAR UNIT WITH 2–#10 THWN AND 1–#12 GND IN 2" CONDUIT FROM TRANSFORMER USED TO SERVE BEACONS.
12. INSTALLED PULLBOX IN LANDSCAPED AREA FOR FUTURE LIGHTING. SEE LANDSCAPING DRAWING FOR EXACT LOCATION.
13. 2" CONDUIT ONLY WITH PULL STRING.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

BENCH MARKS

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PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

AS BUILT INFORMATION

CONTRACTOR
STAKED BY — DATE
INSPECTOR'S FIELD STAKES BY — DATE
VERIFICATION BY — DATE
WORK NOTES
CORRECTED BY — DATE

MICRO–FILM INFORMATION

RECORDED BY — DATE
NO.

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY
		DESIGN	

DESIGNED BY WNH — DATE 5/23/96
DRAWN BY JRR — DATE 5/23/96
CHECKED BY SES — DATE 5/23/96

26-4044.91 1 6498

MOLZEN–CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

SIGN LIGHTING AND GENERAL POWER SUNPORT BLVD.

W M Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	9–8	

EABSIGN2.DWG 1=1 05/23/96

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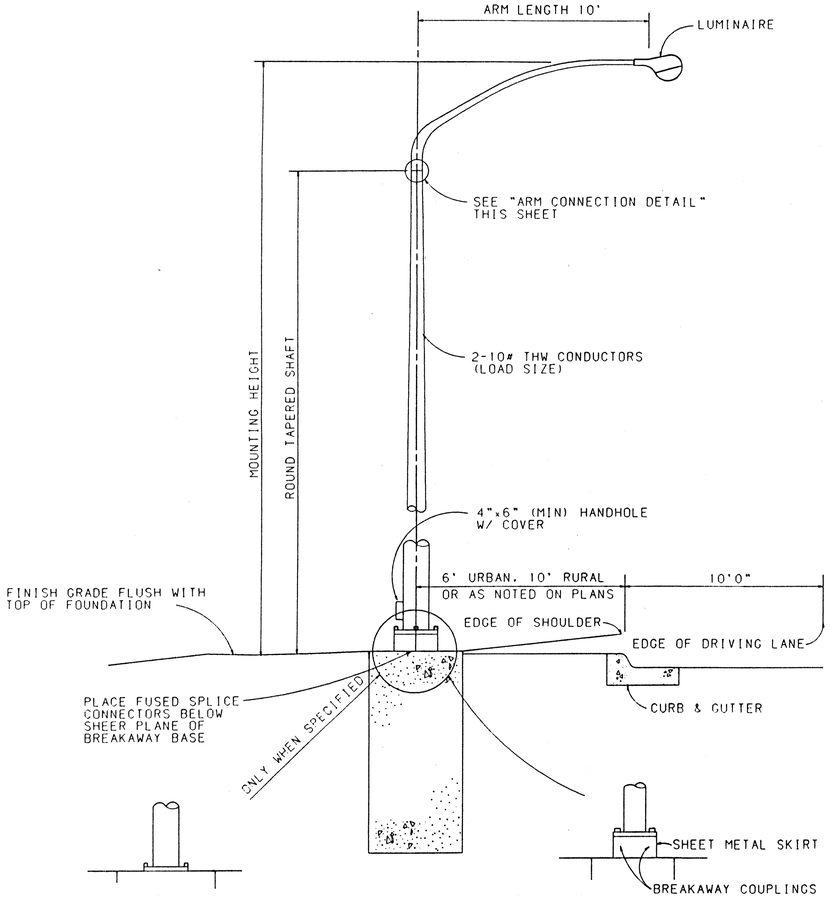
F.H.W.A. REGION NO. 6	SHEET NO.
NEW MEXICO PROJECT NO.	
PROJECT NUMBER	L-2

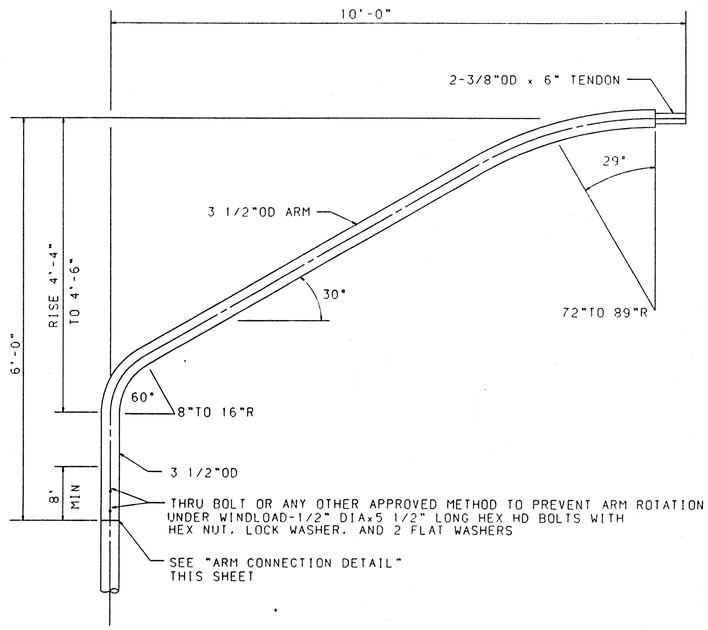


DIRECT ANCHOR BASE

TYPE "V" STANDARD INSTALLATION

NOTES

1. MASTARM SHALL BE DAVIT STYLE. DIMENSIONS SHALL BE NOTED. ARM SHALL BE ATTACHED ON A SHAFT TENON AS DETAILED. SHAFT SHALL BE A ROUND TAPERED TUBE.
2. NUTS, BOLTS OR FASTENERS SHALL COMPLY WITH ASTM A-307 AND BE EITHER ZINC PLATED, ASTM A-164 OR CADMIUM PLATED, ASTM A-165.
3. BOLT GASKET SHALL BE 22 GAGE STAINLESS STEEL SHEET OF 18-8 SERIES (301, 302, 303, 304).
4. GROUTING SHALL BE IN ACCORDANCE TO SECTION 617 OF THE STANDARD SPECIFICATIONS.
5. ACCEPTABLE TYPE V LIGHTING STANDARDS ARE VALMONT DRAWING NO DB00202, HYPCO ALUMINUM DRAWING NO B71627, AND UNION METAL DRAWING NO 71036-C30.



ARM DETAIL

wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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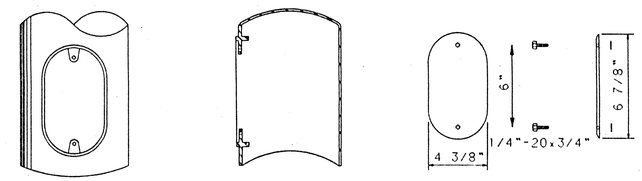


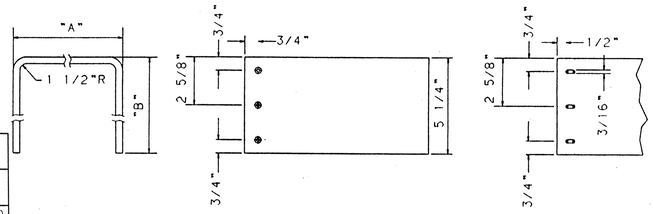
HANDHOLE REINFORCEMENT SHALL BE FORGED FROM STEEL CONFORMING TO ASTM A-576, GRADE 1021, AND SHALL BE FABRICATED FROM 3/16" WALL TUBING CONFORMING TO ASTM A-36; OR CAST FROM STEEL CONFORMING TO ASTM A-27, GRADE 65-35.

REINFORCEMENT SHALL BE WELDED TO THE POLE SHAFT IN THE 90 DEGREE LOCATION, PRIOR TO GALVANIZING POLE SHAFT. COVER SHALL BE FABRICATED FROM 3/16" SHEET STEEL OR ALUMINUM. STEEL COVER IS GALVANIZED ACCORDING TO ASTM A-143. COVER SHALL BE EQUIPPED WITH TWO (2) AISI 302 STAINLESS STEEL 1/4"-20x3/4" HEX CAP SCREW AND TWO (2) CAPTIVE WASHERS.

PROVISION FOR INTERNAL GROUNDING SHALL BE PROVIDED BY A TAPPED HOLE.

HANDHOLE REINFORCEMENT SHALL STRENGTHEN POLE SHAFT SECTION TO THAT OF A SHAFT FABRICATED WITHOUT A HANDHOLE.

HANDHOLE DETAILS



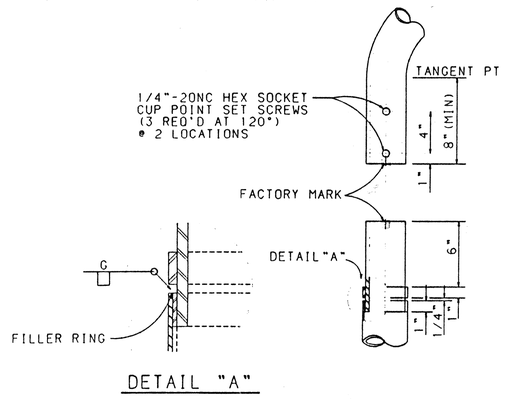
SPECIFICATION:

SKIRT COVER SHALL BE FABRICATED FROM 1/16" SHEET ALUMINUM ALLOY 3003H14 SCREWS ARE SELF TAPPING #10x5/8" STAINLESS STEEL. WHEN COUPLINGS ARE SPECIFIED, EACH LIGHT POLE WILL BE FURNISHED WITH TWO (2) SKIRT COVER SECTIONS AND SIX (6) SCREWS.

INTENDED USE:

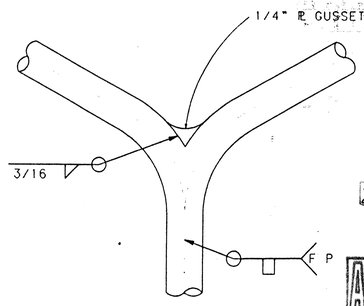
THE SKIRT COVER IS USED TO ENCLOSE VOID UNDER POLES WITH BREAKAWAY SUPPORT COUPLINGS.

SKIRT COVER DETAILS



DETAIL "A"

ARM CONNECTION DETAIL



DOUBLE ARM CONNECTION DETAIL

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

26-4044.91 16598

APPROVED
DESIGN REVIEW COMMITTEE

APPROVED
CITY ENGINEER

NO.	DESCRIPTION	DATE	BY
3			
2			
1			

REVISIONS (OR CHANGE NOTICES)

NEW MEXICO STATE
HIGHWAY AND TRANSPORTATION
DEPARTMENT

TRAFFIC DESIGN SECTION

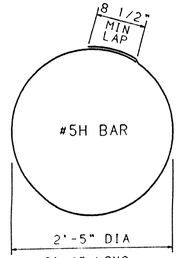
TYPE "V" STANDARD

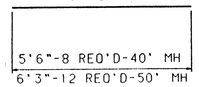
2-95

TRAN+(ETTOVHD.NMSHTD)TYPEVSTAN.GRF

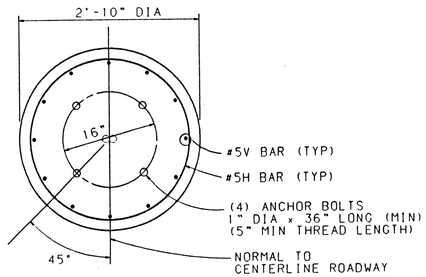
N.M. PROJECT NO. 4044.91 SHEET 9-9

F.H.W.A. REGION NO. 6	SHEET NO.
NEW MEXICO PROJECT NO.	
PROJECT NUMBER	L-3

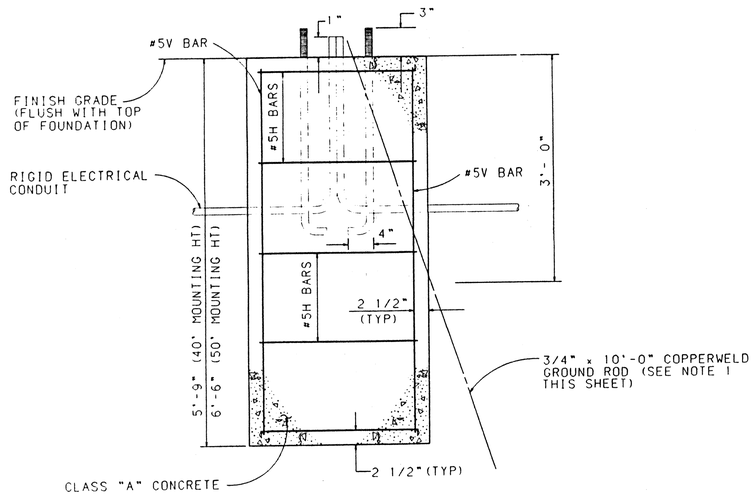




REINFORCING BARS



PLAN



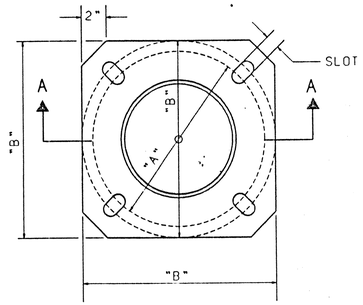
ELEVATION

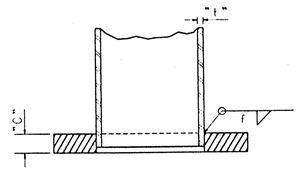
FOUNDATION DETAILS

ESTIMATED FOUNDATION MATERIAL

	40' MOUNTING HT	50' MOUNTING HT
REINFORCING BARS, GRADE 60	92 POUNDS	139 POUNDS
PORTLAND CEMENT CONCRETE CLASS "A"	1.33 CU YDS	1.5 CU YDS

(CONTRACTOR'S INFORMATION ONLY)





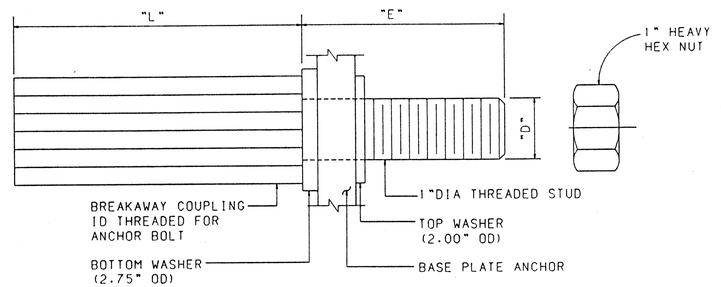
SECTION "A-A"

t = 0.120	f = 3/16"
t = 0.134	f = 3/16"
t = 0.179	f = 1/4"

DIMENSION TABLE					
MOUNTING HEIGHT	# OF ARMS	DIMENSIONS (INCHES) A (MIN)	B (MAX)	C	SLOT
30'-35'	1 OR 2	11	16	1"	1.13"x3.69"
40'	1 OR 2	11	16	1"	1.13"x3.69"
50'	1 OR 2	14	16	1"	1.13"x2.19"

ANCHOR BASE SHALL BE FABRICATED FROM PLATE STEEL CONFORMING TO ASTM A-36 AND SHALL BE WELDED TO POLE SHAFT PRIOR TO GALVANIZING SHAFT.

ANCHOR BASE DETAIL



DIMENSION TABLE							
D	THREAD	MINIMUM TENSILE STRENGTH	RESTRAINED SHEAR MIN	RESTRAINED SHEAR MAX	NUT TORQUE ± 25 FT LBS	L	E
1"	8 UNC	25 KIPS	30 KIPS	7.5 KIPS	175	4-3/4"	3-5/16"

2 3 4 5 6 7 8 9 10 11 12 13 14 15

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BREAKAWAY SUPPORT COUPLING SHALL CONFORM TO THE REQUIREMENTS OF AASHTO STANDARDS FOR BREAKAWAY SUPPORTS.

BREAKAWAY COUPLINGS SHOULD NOT BE USED ON 50' DOUBLE ARM POLES.

COUPLING SHALL BE FABRICATED FROM EITHER DIE CAST ALUMINUM ALLOY 380 ACCORDING TO ASTM B-85, OR EXTRUDED FROM ALLOY 2024-T8511 ACCORDING TO ASTM A-153.

WASHERS SHALL BE FABRICATED FROM ASTM A-36 STEEL PLATE AND SHALL BE GALVANIZED ACCORDING TO ASTM A-153.

HEX NUTS SHALL MEET THE REQUIREMENTS OF ASTM A-563 GRADE A, AND ANSI 18.2.2 HEX TYPE AND SHALL BE GALVANIZED ACCORDING TO ASTM A-153.

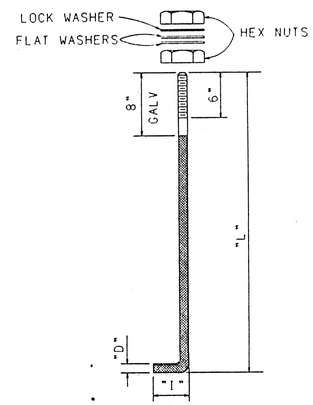
THREADED STUD SHALL MEET THE REQUIREMENT OF ASTM A-675 GRADE 90 AND IS GALVANIZED WITH ASTM A-153, OR IS FABRICATED FROM AISI STAINLESS STEEL.

WHEN COUPLINGS ARE FURNISHED, EACH LIGHT POLE SHALL BE FURNISHED WITH FOUR (4) COUPLINGS AND THREADED STUDS, EIGHT (8) FLAT WASHERS, AND FOUR (4) HEX NUTS.

BREAKAWAY SUPPORT COUPLING

GENERAL NOTES

1. ALL FOUNDATIONS SHALL INCLUDE COPPERWELD GROUND RODS AS SHOWN WHICH SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE FOUNDATION. NO PRICE OR PAYMENTS SHALL BE MADE THEREFOR.
2. WELDING SHALL BE IN ACCORDANCE WITH SECTION 1.4.2 OF AASHTO STANDARD SPECFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS.



DIMENSION TABLE					
MOUNTING HEIGHT	# OF ARMS	D	L	I	UNC
30'-50'	1 OR 2	1"	36	4	8

ANCHOLR BOLTS SHALL BE HOT BENT AND SHALL MEET REQUIREMENTS OF ASTM A-675 GRADE 90, NUTS MEET THE REQUIREMENTS OF ASTM A-563 GRADE A, AND ANSI B18.2.

FLAT WASHERS SHALL MEET THE REQUIREMENTS OF ANSI B27.2 HEAVY WASHERS.

LOCK WASHERS SHALL MEET THE REQUIREMENTS OF ANSI B18.21.1 HEAVY WASHERS.

BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A-153.

FOUR (4) ANCHOR BOLTS, EIGHT(8) HEX NUTS, EIGHT (8) FLAT WASHERS, AND FOUR (4) LOCK WASHERS SHALL BE FURNISHED WITH EACH POLE.

NUTS, FLAT WASHERS, AND LOCK WASHERS FURNISHED FOR BREAKAWAY SUPPORTS SHALL BE SPECIFIED ON DETAILS.

ANCHOR BOLTS

Wm Jones P.E.

RECORD DRAWING

DATE: 11/03/97 | DRAFTED BY: O.V.

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT. THESE DRAWINGS WERE ORIGINALLY PREPARED IN CADD FORMAT AND APPROVED FOR CONSTRUCTION BY THE CITY ENGINEER ON 5/30/96. DRAWINGS INCLUDED IN THIS SET WHICH DO NOT HAVE ORIGINAL DRC SIGNATURES HAVE BEEN MODIFIED AND REPLOTTED FOR RECORD DRAWING PURPOSES.

APPROVED MAY 30 1996 DESIGN REVIEW COMMITTEE

APPROVED CITY ENGINEER

NO.	DESCRIPTION	DATE	BY
3			
2			
1			

REVISIONS (OR CHANGE NOTICES)

NEW MEXICO STATE
HIGHWAY AND TRANSPORTATION
DEPARTMENT

TRAFFIC DESIGN SECTION

TYPE "V" STANDARD
FOUNDATION &
BASE DETAILS

2-95

TRAN4\CTTOVHD.NMSHTD3\TYPEVFOUND.GRF

N.M. PROJECT NO. 4044.91 SHEET 9-10

SIGNAL AND LIGHTING NOTES

1. ALL WORK ON THESE PLANS PERFORMED UNDER THIS CONTRACT CONFORMED TO THE CURRENT NATIONAL ELECTRIC CODE, AND THE STANDARDS OF THE NATIONAL BOARD OF FIRE UNDERWRITERS FOR ELECTRICAL WIRING AND APPARATUS.
2. LOCATIONS OF CONDUITS, FOUNDATIONS, CONTROL CABINETS, POLES, PULL BOXES, MANHOLES, AND SPLICE CABINETS SHOWN ON THE PLANS WERE TAKEN FROM PLANS FOR PROJECT TPE–HDP9253(1). THE CONTRACTOR MET WITH THE CITY TRAFFIC ENGINEERING OPERATIONS PERSONNEL IN THE FIELD AT ALL LOCATIONS TO SPOT EQUIPMENT BEFORE BEGINNING THE WORK.
3. SPLICING OF COMMUNICATIONS CABLE WAS NOT PERMITTED IN PULL BOXES. SPLICING OF COMMUNICATIONS CABLE (CONNECTIONS) WAS PERMITTED ONLY AT SPLICE CABINETS OR CONTROLLER CABINETS WITH SPLICED BARS. SPLICING FOR TRAFFIC SIGNALS MCC WAS PERMITTED IN LARGE PULL BOXES INCLUDING LARGE MEDIAN PULL BOXES.
4. ALL VIDEO CABLES WERE TAGGED AT CABINET TO IDENTIFY EACH CABLE BY CAMERA NUMBER.
5. THE CONTRACTOR NOTIFIED THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING OPERTIONS (857–8000) THREE WORKING DAYS IN ADVANCE OF ANY ANTICIPATED WORK ON SIGNALS, LIGHTING, AND POWER SERVICES. TRAFFIC ENGINEERING OPERATIONS PERSONNEL ASSISTED THE CONTRACTOR IN FIELD LOCATION OF EQUIPMENT, COLOR CODING OF WIRING, AND WAS PRESENT WHEN SIGNALS AND LIGHTING WERE SHUT–OFF OR TURNED ON. THE CONTRACTOR ALSO NOTIFIED THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING OPERATIONS EACH TIME A TRAFFIC SIGNAL CONTROL DOOR WAS OPENED.
6. THE CONTRACTOR NOTIFIED PUBLIC SERVICE COMPANY 30 DAYS IN ADVANCE OF ANTICIPATED POWER SERVICE CONNECTIONS. THE CONTRACTOR COORDINATED WITH PUBLIC SERVICE COMPANY TO ESTABLISH ELECTRICAL SERVICE IN THE CITY'S NAME.
7. THE CONTRACTOR REMOVED ALL CONFLICTING SIGNING AND DELIVER TO THE CITY YARDS WHEN TRAFFIC SIGNALS WERE PUT IN OPERATION.
8. LIVE UNUSED CONDUCTORS WERE NOT BE ALLOWED AT MAST ARM POLES AND PEDESTAL POLES. ALL SUCH UNUSED CONDUCTORS WERE DISCONNECTED AT THE LARGE PULL BOX ADJACENT TO THE POLE.
9. THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING OPERATIONS PERSONNEL PROVIDED TRAFFIC SIGNAL TIMING PLANS PROGRAMED TRAFFIC SIGNAL CONTROLLERS.
10. EXISTING CONDUITS WERE REPAIRED, ADJUSTED, OR REPLACED AS DIRECTED BY THE PROJECT MANAGER WHERE ELECTRICAL PULLBOXES OR TRAFFIC MANHOLES WERE INSTALLED OR REPLACED.
11. CONTRACTOR COILED EXCESS INTERCONNECT CABLE AT ALL NEW OR EXISTING TRAFFIC MANHOLES BETWEEN SPLICE CABINET OR CONTROL CABINETS WITH SPLICE BARS. IF MORE THAN ONE MANHOLE EXISTED BETWEEN SPLICE CABINETS OR CONTROL CABINETS WITH SPLICE BARS, THE COILING WAS ONLY REQUIRED AT ONE OF THE MANHOLES. THE FOLLOWING QUANTITIES OF COMMUNICATION CABLE WAS COILED:
    12 PAIR – 50 FT.
    25 PAIR – 50 FT.
    50 PAIR – 25 FT.
    75 PAIR – 25 FT.
12. TYPE III STANDARDS FOR THIS PROJECT ARE BEING USED FOR MACHINE VISION VIDEO CAMERA MOUNTING ONLY. NO LUMINARIES WERE REQUIRED. CAMERA MOUNTING HEIGHT ARE 40'.
13. PEDESTRIAN PUSH BUTTONS CONFORMED TO ADA REQUIREMENTS.
14. ALL WORK ON THESE PLANS CONFORMED TO THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING OPERATIONS "THIRD DRAFT SPECIFICATIONS" FOR TRAFFIC SIGNAL AND STREET LIGHTING ITEMS, JUNE 1994.

INCIDENTAL ITEMS *

1. REMOVAL OF EXISTING PULL BOXES, CONDUITS, FOUNDATIONS, OR OTHER SIGNAL EQUIPMENT FOR INSTALLATION OF NEW SIGNAL EQUIPMENT.
2. CABLE TESTING AND DIAGRAMS.
3. MANUFACTURER'S ASSISTANCE TO SET–UP, TEST, AND PROGRAM THE EMERGENCY VEHICLE PRE–EMPTION EQUIPMENT AND THE MACHINE VISION VEHICLE DETECTION SYSTEM.

* ITEMS LISTED ARE ONLY A GENERAL DESCRIPTION OF THE REQUIRED WORK AND MATERIALS, AND MAY NOT BE COMPLETE. THIS LIST DOES NOT INCLUDE ANY INCIDENTAL WORK OR MATERIAL REQUIRED BY THE SPECIAL PROVISIONS SERIALS (STANDARD DETAILS), SUPPLEMENTAL SPECIFICATIONS, OR THE STANDARD SPECIFICATIONS.

TRAFFIC SIGNAL EQUIPMENT REQUIREMENTS

1. THIS PROJECT IS AN EXTENSION OF AN EXISTING SIGNAL SYSTEM. THEREFORE, THE CONTRACTOR FURNISHED AND INSTALLED THE FOLLOWING:
    A. ALL TRAFFIC SIGNAL CONTROLLERS SUPPLIED FOR THIS PROJECT ARE MULTISONICS 820A VMS WITH THE ABILITY TO INTERFACE WITH THE ITMS CENTRAL EQUIPMENT.
    B. ALL TRAFFIC SIGNAL CONTROLLER CABINETS SUPPLIED FOR THIS PROJECT ARE MULTISONICS EIGHT PHASE "P" CABINETS WIRED TO CITY SPECIFICATIONS FOR SYSTEM OPERATION.
2. SPLICE CABINETS ARE NEMA 4 X WITH STEEL BACK PANEL. LOW VOLTAGE SPLICE BARS ARE 50 UNITS TO THE FOOT, WITH EACH SPLICE BAR CAPABLE OF HANDLING 25 PAIR CABLE (NUMBER OF SPLICE BARS IN EACH CABINET CAPABLE OF HANDLING NO. OF CONDUCTORS SHOWN ON PLANS). BELL SYSTEMS PART #66B–3–50 OR APPROVED EQUAL. ALL COMMUNCATION CABLE PAIRS WERE TERMINATED AT THE SPLICE CABINET INCLUDING INACTIVE PAIRS.
3. INTERCONNECT CABLES COMPLIED WITH REA SPECIFICATION PE–22, INTERCONNECT CABLE CONTAIN THE NUMBER OF WIRE PAIRS SHOWN ON THE PLANS AND THE INDIVIDUAL CONDUCTORS ARE NO. 19 SOLID.
4. INTERSECTION CONFLICT MONITORS ARE IDC SOLID STATE DEVICES (LCD SP–11), EBERLE DESIGN INC, OR APPROVED EQUAL, WITH FULL LCD DISPLAY, ENHANCED MONITORING FEATURES, AND DATA LOGGING CAPABILITIES.
5. 3M "OPTICOM" MODEL 562, PHASE SELECTORS, MOUNTED ON 3M "OPTICOM" MODEL 560 RACKS, OR APPROVED EQUAL. ALL RACKS ARE CAPABLE OF PROVIDING FOUR CHANNELS OF DETECTION. PHASE SELECTOR MODULES ARE CAPABLE OF TWO CHANNELS OF DETECTIONS EACH. 3M "OPTICOM" MODEL 511, OPTICAL DETECTORS, SINGLE DIRECTION, SIGNAL CHANGE (1D/1C), OR APPROVED EQUAL. 3M "OPTICOM" MODEL 138, DETECTOR CABLE OR APPROVED EQUAL. A 3M MANUFACTURERS REPRESENTATIVE PROVIDED FIELD ASSISTANCE DURING INSTALLATION, SET–UP, TESTING, AND PROGRAMMING.
6. THIS PROJECT INVOLVED THE INSTALLATION, SET–UP, AND TESTING OF A MACHINE VISION VEHICLE DETECTION SYSTEM (SEE SPECIAL PROVISIONS). THEREFOR, THE CONTRACTOR FURNISHED AND INSTALLED THE FOLLOWING:
    A. EITHER AN ECONOLITE "AUTOSCOPE 2004" OR A PEEK VISION SYSTEM "VIDEO TRAK–900" MACHINE VISION VEHICLE DETECTION SYSTEM UNIT INCLUDING ALL NECESSARY CABLES, HARNESSES, MATERIALS, FITTINGS, AND MISCELLANEOUS COMPONENTS NECESSARY TO PROVIDE A COMPLETE AND OPERATING SYSTEM.
    B. FOUR (4) FIXED LENSE VIDEO CAMERAS.
    C. MODEMS AND CABLES TO ALLOW REMOTE ACCESS.
    D. VIDEO POWER CABLE IS A THREE CONDUCTOR #12 AWG TWISTED POWER CABLE.
    E. MANUFACTURER'S REPRESENTATIVE SET–UP,TESTED, AND PROGRAMED MACHINE VISION VEHICLE DETECTION SYSTEM.

TRAFFIC SIGNAL LEGEND

NEW	EXISTING	ITEM
■	■	PULL BOX
●	○	SERVICE POLE
M	M	METER PEDESTAL
C	C	CONTROLLER CABINET
– – – –	– – – –	CONDUIT RUN (SIGNALS)
— · · · —	———	CONDUIT RUN (INTERCONNECT)
▭	▭	LOOP DETECTOR (THEORETICAL)
●←	○←	TRAFFIC SIGNAL PEDESTAL POLE
2	2	CONDUIT RUN NUMBER
		TYPE III POLE WITH MASTARM, TRAFFIC SIGNAL, BACKPLATE, OPTICAL DETECTOR AND LUMINAIRE
		PEDESTRIAN PUSH BUTTON (MOUNTED TO SIDE OF POLE WHERE INDICATED)
		PEDESTRIAN SIGNALS (MOUNTED TO SIDE OF POLE WHERE INDICATED)
SC	SC	SPLICE CABINET
●	⊘	TRAFFIC MANHOLE
		VIDEO CAMERA

AS BUILT INFORMATION

CONTRACTOR
NAME
STAKED BY — DATE
INSPECTOR'S CHANGES BY — DATE
FIELD VERIFICATION BY — DATE
REMARKS
CORRECTED BY — DATE

MICRO–FILM INFORMATION

RECORDED BY — DATE
NO.

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY
		DESIGN	
	DATE 5/30/96	DESIGNED BY	MWJ
	DATE 5/30/96	DRAWN BY	JLR
	DATE 5/30/96	CHECKED BY	TDS

26-1964.9111 67918

RECORD DRAWING

wm Jones P.E.

DATE:	DRAFTED BY:
11/03/97	O.V.

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MOLZEN–CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

TRAFFIC SIGNAL NOTES & LEGEND

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 4044.91 | Zone Map No. M15&16 | Sheet 10–1 Of

P2SCNTXT.DWG 1=1 5/30/96

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TRAFFIC SIGNAL ESTIMATED QUANTITIES

NUMBER	ITEM	UNIT	UNIVERSITY/SUNPORT NORTH	UNIVERSITY/SUNPORT SOUTH	UNIVERSITY/GEORGE	INTERCONNECT	TOTAL
511000	STRUCTURAL CONCRETE – CLASS A	CU YD	0.88	0.88	4.58	0	6.34
504015	REINFORCING BARS – GRADE 60	POUND	0	0	83	0	83
706030	SERVICE POLE (SIGNAL)	EACH	1	1	1	0	3
706100	SERVICE RISER (SIGNAL)	EACH	1	1	1	0	3
706200	METER PEDESTAL (SIGNAL)	EACH	1	1	1	0	3
707002	TYPE I STANDARD – 2'	EACH	0	0	0	3	3
707013	TYPE I STANDARD – 13'	EACH	6	6	4	0	16
707326	TYPE III ALBUQUERQUE STANDARD – 25' ARM	EACH	1	0	1	0	2
707331	TYPE III ALBUQUERQUE STANDARD – 30' ARM	EACH	0	2	1	0	3
707336	TYPE III ALBUQUERQUE STANDARD – 35' ARM	EACH	2	1	1	0	4
709010	RIGID ELECTRICAL CONDUIT – 1" DIA.	LIN FT	170	170	120	0	460
709020	RIGID ELECTRICAL CONDUIT – 2" DIA.	LIN FT	16	510	215	3975	4716
709030	RIGID ELECTRICAL CONDUIT – 3" DIA.	LIN FT	16	0	0	0	16
710000	ELECTRICAL PULL BOX (STANDARD)	EACH	0	0	0	12	12
710012	TRAFFIC SIGNAL MANHOLE	EACH	0	0	0	11	11
710300	SPLICE CABINET	EACH	0	0	0	3	3
711005	MULTI CONDUCTOR CABLE 5	LIN FT	1891	1658	1450	0	4999
711007	MULTI CONDUCTOR CABLE 7	LIN FT	101	30	76	0	207
711020	MULTI CONDUCTOR CABLE 20	LIN FT	1376	1028	1046	0	3450
711102	SINGLE CONDUCTOR 4	LIN FT	543	1545	675	0	2763
711108	SINGLE CONDUCTOR 8	LIN FT	683	514	523	0	1720
711506	COMMUNICATION CABLE – 6 PAIR	LIN FT	0	0	0	50	50
711525	COMMUNICATION CABLE – 25 PAIR	LIN FT	0	0	0	1325	1325
712030	3 SECTION TRAFFIC SIGNAL ASSEMBLY	EACH	11	13	10	0	34
712050	5 SECTION TRAFFIC SIGNAL ASSEMBLY	EACH	3	1	2	0	6
712200	PEDESTRIAN SIGNAL (INCANDESCENT)	EACH	6	8	6	0	20
712330	3 SECTION BACKPLATE	EACH	5	6	5	0	16
713020	PUSH BUTTON STATION	EACH	8	8	6	0	22
713430	PHASE SELECTOR MODULE, 2 CHANNEL	EACH	2	2	2	0	6
713511	OPTICAL DETECTOR 1D/1C	EACH	3	3	3	0	9
713600	OPTICAL DETECTOR CABLE	LIN FT	1307	930	686	0	2923
713800	MACHINE VISION VEHICLE DETECTION SYSTEM	EACH	1	1	1	0	3
713805	VIDEO COAXIAL CABLE	LIN FT	2295	2262	706	0	5263
713806	VIDEO POWER CABLE	LIN FT	2295	2262	706	0	5263
713810	VIDEO CAMERA	EACH	4	4	3	0	11
714000	TRAFFIC ACTUATED CONTROLLER	EACH	1	1	1	0	3
714280	EIGHT PHASE DUAL RING CONTROLLER CABINET	EACH	1	1	1	0	3

P2SCNCHT.DWG 1=1 5/24/96

AS BUILT INFORMATION

CONTRACTOR
WORK STAKED BY DATE
INSPECTOR'S AS-BUILT MARKS BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE

MICRO-FILM INFORMATION

RECORDED BY DATE
NO.

BENCH MARKS

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PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION

FIELD NOTES NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

W M Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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2 3 4 5 6 7 8 9 10 11 12 13 14
26-4044.91 11/03/98

REVISIONS

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY MWJ	DATE 5/22/96
		DRAWN BY JLR	DATE 5/22/96
		CHECKED BY TDS	DATE 5/22/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

TRAFFIC SIGNAL
ESTIMATED QUANTITIES

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	10-2	

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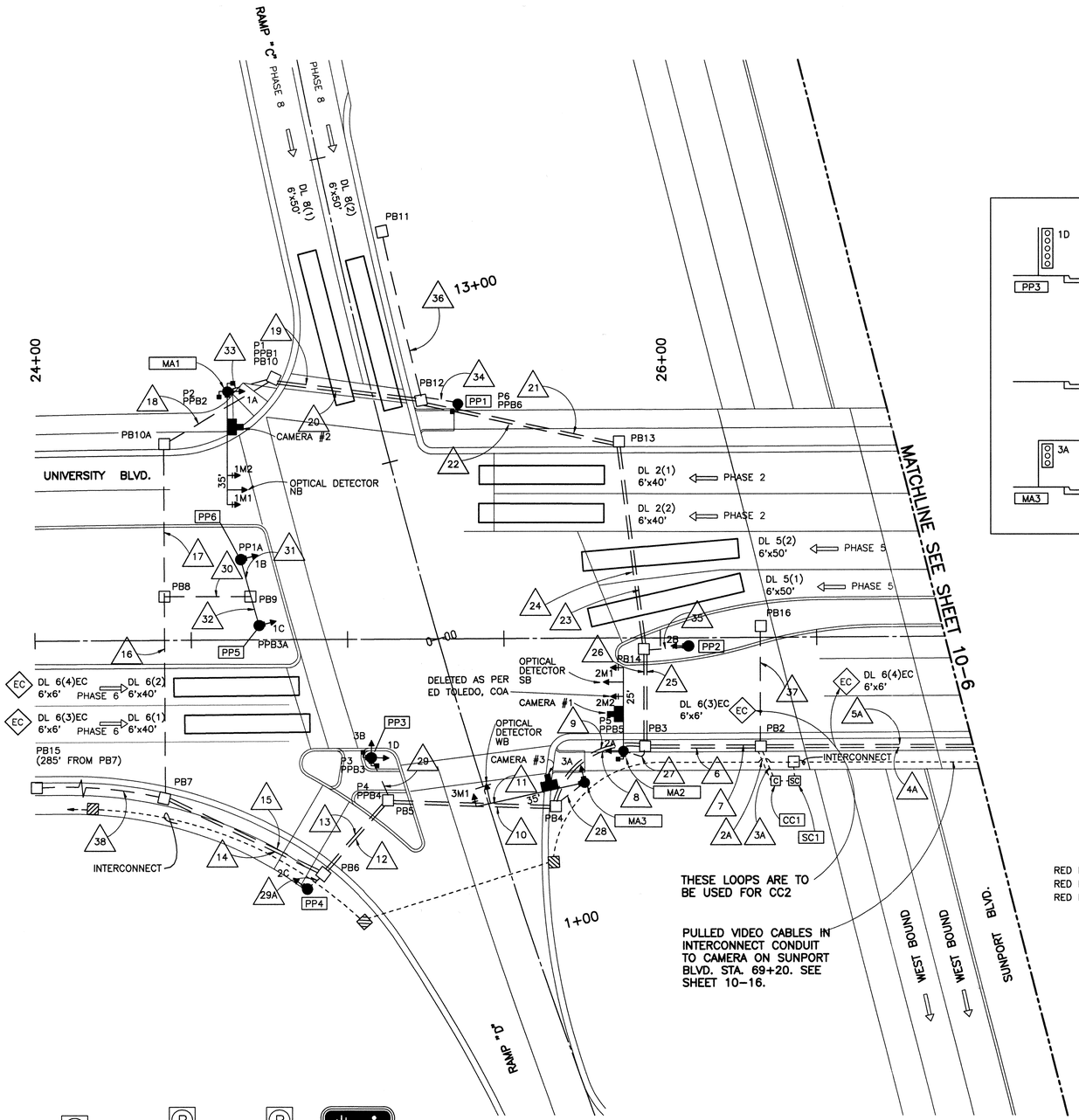
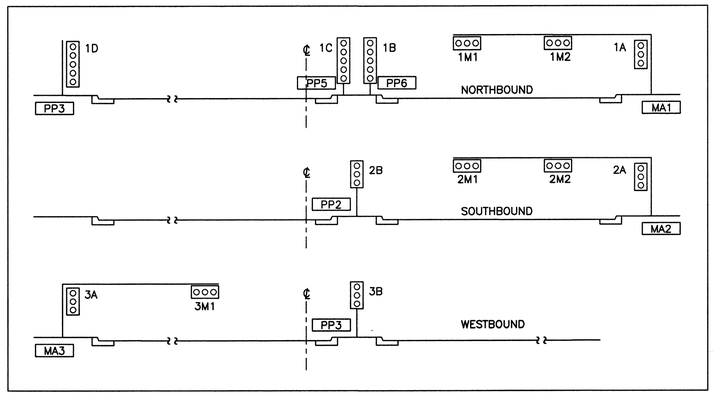


TRAFFIC SIGNAL CONFIGURATION BY APPROACH



SYMBOL KEY

MA1 — SIGNAL & CABINET ID

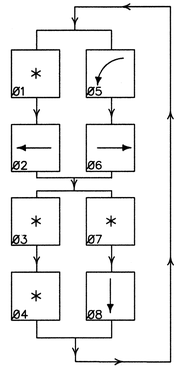
99 — CONDUIT RUN ID

ABBREVIATIONS

MA1	MASTARM NUMBER
PP1	PEDESTAL POLE NUMBER
PPB1	PEDESTRIAN PUSH BUTTON NUMBER
CC1	CONTROL CABINET NUMBER
PB1	PULL BOX NUMBER
DL1(1)	THEORETICAL DETECTOR PHASE #.
1A	SIGNAL HEAD NUMBER
P1	PEDESTRIAN SIGNAL NUMBER
BP	BACKPLATE
EC	EXTENDED CALL DETECTOR
SC1	SPLICE CABINET NUMBER

NOTES:

1. PULL BOXES 2, 3, 4, 5, 8, 7, 8, 9, 10, 10A, 12, 13, AND 14 ARE LARGE SIZE; PULL BOXES 11, 15, AND 16 ARE STANDARD SIZE.
2. CONDUIT, PULL BOXES, & SIGNAL FOUNDATIONS (EXCEPT CONTROL CABINET FOUNDATIONS) WERE INSTALLED BY OTHERS UNDER PROJECT TPE-HDP 9253(1).
3. INSTALLED NEW CONTROL CABINET FOUNDATION AND INSTALLED NEW CONDUITS 2A AND 3A FROM NEW CONTROL CABINET TO PULLBOX 2.
4. MASTARM FOUNDATIONS 1 & 3 ARE TYPE B. MASTARM FOUNDATION 2 IS TYPE A.
5. SEE SIGNAL INTERCONNECT PLAN SHEET 10-12.
6. SEE VIDEO DETECTION PLAN FOR SUNPORT BLVD, SHEET 10-16 . VIDEO CAMERA 4A WERE CONNECTED TO CC1.



* INACTIVE

SIGNAL PHASING

INITIALIZATION

ALL RED THEN PHASE 2 AND 6 GREEN

PEDESTRIAN PUSH BUTTON DESIGNATION SIGNS

PPB	1, 3, 3A, 5, 6	R10 – 4b L
PPB	1A, 2, 4,	R10 – 4b R

FLASH CONDITION *

RED BALL	HEADS	1A, 1B, 1C, 1D, 1M1, 1M2
RED BALL	HEADS	2A, 2B, 2C, 2M1, 2M2
RED BALL	HEADS	3A, 3B, 3M1

VIDEO DETECTION – COAXIAL AND POWER CABLES

FROM	TO	CONDUIT TRACE	NO.PAIR x LENGTH	TOTAL LENGTH
MA1	CC1	MA1+33+19+21+23+25+7+3A	1 @ 393	393
MA2	CC1	MA2+27+7+3A	1 @ 134	134
MA3	CC1	MA3+28+9+7+3A	1 @ 178	178
			TOTAL	705

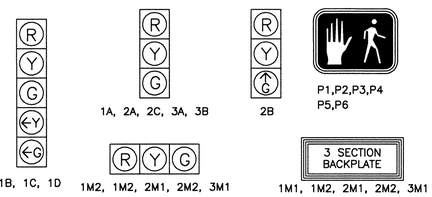
OPTICAL DETECTOR CABLE

FROM	TO	CONDUIT TRACE	NO.PAIR x LENGTH	TOTAL LENGTH
MA1	CC1	MA1+33+19+21+23+25+7+3A	1 @ 393	393
MA2	CC1	MA2+27+7+3A	1 @ 124	124
MA3	CC1	MA3+28+9+7+3A	1 @ 168	168
			TOTAL	685

CABINETS

ID NO.	TYPE	FOUNDATION
CC1	P	CONTROLLER

SIGNAL HEAD DETAILS



AS BUILT INFORMATION

CONTRACTOR WORK STARTED BY — DATE
FINAL INSPECTION AND ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
SURVEY DRAWINGS
CORRECTED BY — DATE

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 19.39", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)

PROJECT: X=389231.63, Y=473027.84, EL=5310.21

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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N

0 20 40
1" = 20' GRAPHIC SCALE

2C-90441.9/1/16918

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
	DATE		5/24/96
	DESIGNED BY	WMJ	
	DRAWN BY	JLR	5/24/96
	CHECKED BY	WMJ	5/24/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

TRAFFIC SIGNAL PLAN UNIVERSITY/SUNPORT BLVD. (NORTH SIDE)

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	10-3	

TRAFCON1.DWG 1 = 20 5/24/96

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CONDUIT AND CONDUCTOR REQUIREMENTS

RUN ID (##)	CONDUIT LENGTH, SIZE, AND TYPE: SIZE/LENGTH 1"	2"	3"	TYPE	REMARKS	CONDUIT FILL BY CONDUCTOR LENGTH AND TYPE: MCC 5 (# @ ft)	MCC 7 (# @ ft)	MCC 20 (# @ ft)	SCC #8 (# @ ft)	SCC #4 (# @ ft)	DLLIC (# @ ft)	CC 6 (# @ ft)	CC 12 (# @ ft)	OPTICOM (# @ ft)	VIDEO (# @ ft)
2A			16'	REC	CC1 TO PB2	1@ 21		2 @ 21	1 @ 21	3 @ 21					
2B*			(16)	REC	CC2 TO PB1					3 @ 21					
3A		16'		REC	CC1 TO PB2									3 @ 21	3 @ 21
3B*		(16)		REC	CC2 TO PB1										
4A			(69)	REC	PB2 TO CONDUIT 4B					3 @ 74					
4B*			(60)	REC	CONDUIT 4A TO PB1					3 @ 65					
5A		(69)		REC	PB2 TO CONDUIT 4B					4 @ 74					
5B*		(60)		REC	CONDUIT 4A TO PB1					4 @ 65					
6			(43)	REC	PB2 TO PB3	1 @ 49		2 @ 49	1 @ 49						
7		(43)		REC	PB2 TO PB3									3 @ 49	3 @ 49
8			(36)	REC	PB3 TO PB4	1 @ 45		2 @ 45	1 @ 45						
9		(36)		REC	PB3 TO PB4									1 @ 45	1 @ 45
10			(61)	REC	PB4 TO PB5	1 @ 65		2 @ 65	1 @ 65						
11		(61)		REC	PB4 TO PB5										
12			(31)	REC	PB5 TO PB6	1 @ 45		2 @ 45	1 @ 45						
13		(31)		REC	PB5 TO PB6										
14			(60)	REC	PB6 TO PB7	1 @ 67		2 @ 67	1 @ 67						
15		(60)		REC	PB6 TO PB7										
16			(67)	REC	PB7 TO PB8	1 @ 74		2 @ 74	1 @ 74						
17			(51)	REC	PB8 TO PB10A	1 @ 62		2 @ 62	1 @ 62						
18			(25)	REC	PB10A TO PB10	1 @ 61		2 @ 61	1 @ 61						
19		(60)		REC	PB10 TO PB12									1 @ 60	1 @ 60
20			(60)	REC	PB10 TO PB12	1 @ 60		2 @ 60	1 @ 60						
21		(66)		REC	PB12 TO PB13									1 @ 75	1 @ 75
22			(66)	REC	PB12 TO PB13	1 @ 75		2 @ 75	1 @ 75						
23		(70)		REC	PB13 TO PB14									1 @ 82	1 @ 82
24			(70)	REC	PB13 TO PB14	1 @ 82		2 @ 82	1 @ 82						
25		(32)		REC	PB14 TO PB3									1 @ 47	1 @ 47
26			(32)	REC	PB14 TO PB3	1 @ 47		2 @ 47	1 @ 47						
27		(10)		REC	PB3 TO MA2	~~5 @ 15~~		2 @ 21	2 @ 21					1 @ 21	1 @ 21
28		(13)		REC	PB4 TO MA3	2 @ 24								1 @ 24	1 @ 24
29		(15)		REC	PB5 TO PP3	~~5 @ 20~~		2 @ 19	2 @ 19						
29A		(9)		REC	PB6 TO PP4	1 @ 19	1 @ 19								
30		(58)		REC	PB8 TO PB9	~~4 @ 63~~		1 @ 43	1 @ 43						
31		(13)		REC	PB9 TO PP6	1 @ 23									
32		(13)		REC	PBP TO PP5	1 @ 17	1 @ 17								
33		(21)		REC	PB10 TO MA1	~~7 @ 26~~	1 @ 30	2 @ 30	2 @ 30					1 @ 30	1 @ 30
34		(15)		REC	PB12 TO PP1	2 @ 24									
35		(13)		REC	PB14 TO PP2	1 @ 22									
36		(56)		REC	PB11 TO PB12										
37		(40)		REC	PB2 TO PB16										
38		(250)		REC	PB7 TO PB15										
62*		(45)		REC	PB29 TO PB1										
	140'				LOOP TERMINATIONS										
SUBTOTAL	140'	16'	16'			930	66	1689	866	1099	0	0	0	594	594

CONDUIT AND CONDUCTOR REQUIREMENTS

RUN ID (##)	CONDUIT LENGTH, SIZE, AND TYPE: SIZE/LENGTH 1"	2"	3"	TYPE	REMARKS	CONDUIT FILL BY CONDUCTOR LENGTH AND TYPE: MCC 5 (# @ ft)	MCC 7 (# @ ft)	MCC 20 (# @ ft)	SCC #8 (# @ ft)	SCC #4 (# @ ft)	DLLIC (# @ ft)	CC 6 (# @ ft)	CC 12 (# @ ft)	OPTICOM (# @ ft)	VIDEO (# @ ft)
MA1					BASE TO 1A	1 @ 15									
					BASE TO 1M1	1 @ 55									
					BASE TO 1M2	1 @ 45									
					BASE TO P1 & P2	2 @ 15									
					BASE TO PPB1 & PPB2	2 @ 5									
					BASE TO OPTICOM									1 @ 50	
					BASE TO CAMERA #2										1 @ 50
MA2					BASE TO 2A	1 @ 15									
					BASE TO 2M1	1 @ 45									
					BASE TO 2M2	1 @ 35									
					BASE TO P5	1 @ 15									
					BASE TO PPB5	1 @ 5									
					BASE TO OPTICOM									1 @ 40	
					BASE TO CAMERA #1										1 @ 50
MA3					BASE TO 3A	1 @ 15									
					BASE TO 3M1	1 @ 5									
					BASE TO OPTICOM									1 @ 40	
					BASE TO CAMERA #3										1 @ 40
PP1					BASE TO P6	1 @ 15									
					BASE TO PPB6	1 @ 5									
PP2					BASE TO 2B	1 @ 15									
PP3					BASE TO 1D		1 @ 15								
					BASE TO 3B	1 @ 15									
					BASE TO P3 & P4	2 @ 15									
					BASE TO PPB3 & PPB4	2 @ 5									
PP4					BASE TO 2C	1 @ 15									
PP5					BASE TO 1C		1 @ 15								
					BASE TO PPB3A	1 @ 5									
PP6					BASE TO 1B		1 @ 15								
					BASE TO PPB1A	1 @ 5									
					VIDEO RUN TO										1 @ 1945
					CAMERA 4A ON										
					SUNPORT BLVD.										
					STA. 69+20										
SUBTOTAL	0	0	0			405	45	0	0	0	0	0	0	130	1740
TOTAL	140'	16'	16'			1335	111	1689	866	1099	0	0	0	724	2679

* SEE SHEET 10-9

NUMBERS IN PARENTHESIS (##) ARE TO BE INSTALLED BY PROJECT TPE-HDP 9253(1)

VIDEO = 1 COAXIAL CABLE & 1 POWER CABLE

ABBREVIATIONS

CC 6 – COMMUNICATION CABLE – 6 PAIR
CC 12– COMMUNICATION CABLE – 12 PAIR
DL – DETECTOR LOOP
DLLIC– DETECTOR LOOP LEAD – IN CABLE
MA – MASTARM
MCC – MULTI CONDUCTOR CABLE
PB – PULL BOX
PP – PEDISTAL POLE
PPB – PEDESTRIAN PUSH BOX
REC – RIGID ELECTRIC CONDUIT
SCC – SINGLE CONDUCTOR CABLE

TSGCABL1.DWG 1 = 1 5/24/96

AS BUILT INFORMATION

CONTRACTOR WORK STARTED BY — DATE
WORK ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1939". SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.83, Y=473027.84, EL.=5310.21

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY
		DESIGN	
	DATE 5/24/96	DESIGNED BY	WMJ
	DATE 5/24/96	DRAWN BY	JLR
	DATE 5/24/96	CHECKED BY	WMJ

2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
24-4044.91 7098

W M Jones P.E

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

TRAFFIC SIGNAL CONDUITS & CABLES UNIVERSITY BLVD./SUNPORT BLVD. (NORTH SIDE)

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	10-4	

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DETECTOR LOOPS *

LOOP ID	VEHICLE DETECTOR MODE	CALL	UNIT NO.	CHANNEL	LOOP TYPE	LOOP DIMENSIONS L	W	S	T	LOOP WIRE	PAVEMENT SAWCUT
DL2(1)	PRESENCE		TWO	CH1	QP	40	6				
DL2(2)	"		TWO	CH2	QP	40	6				
DL2(3)	"	EXTEND 3	FOUR	CH1	EC	6	6				
DL2(4)	"	EXTEND 3	FOUR	CH1	EC	6	6				
DL5(1)	PRESENCE		ONE	CH2	QP	50	6				
DL5(2)	"		ONE	CH1	QP	50	6				
DL5(3)	"	EXTEND 3	NINE	CH2	EC	6	6				
DL5(4)	"	EXTEND 3	NINE	CH2	EC	6	6				
DL6(1)	PRESENCE		THREE	CH1	QP	40	6				
DL6(2)	"		THREE	CH2	QP	40	6				
DL6(3)	"	EXTEND 3	FOUR	CH2	EC	6	6				
DL6(4)	"	EXTEND 3	FOUR	CH2	EC	6	6				
DL8(1)	PRESENCE		SIX	CH1	QP	50	6				
DL8(2)	"		SIX	CH2	QP	50	6				

* ALL LOOPS SHOWN ARE THEORETICAL AND WERE PROGRAMMED INTO VIDEO DETECTION SYSTEM. SIZES SHOWN ARE APPROXIMATE.

UNIT NUMBER →	POWER SUPPLY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
CHANNEL 1 →		ø1	ø2	ø6	ø2 EC	ø3	ø4	ø8	ø4 EC	DUAL LEFT ø1	DUAL LEFT ø3	SD 1	SD 3	SD 5	SD 7	SD 9	CMP NO-DPC-040	OPTICOM 1	OPTICOM 3
CHANNEL 2 →		ø5	ø2	ø6	ø6 EC	ø7	ø4	ø8	ø8 EC	DUAL LEFT ø5	DUAL LEFT ø7	SD 2	SD 4	SD 6	SD 8	SD 10		OPTICOM 2	OPTICOM 4
DETECTOR MODULE REQUIRED →	*																	✓	✓

* INCIDENTAL TO CONSTRUCTION

FUNCTION CHART – 115 VOLT CIRCUIT

CONDUCTOR			RING 1 – MULTI CONDUCTOR CABLE 20		RING 2 – MULTI CONDUCTOR CABLE 20 2/	
CONDUCTOR NUMBER	BASE COLOR	TRACER	FUNCTION	FIELD CONNECTION	FUNCTION	FIELD CONNECTION
1	BLACK	–	SPARE	SPARE	SPARE	SPARE
2	WHITE	–	SPARE	SPARE	SPARE	SPARE
3	RED	–	PHASE 1 RED	SPARE	PHASE 5 RED	SPARE
4	GREEN	–	PHASE 1 GREEN	SPARE	PHASE 5 GREEN	GREEN LT TURN ARROW 1B, 1C, 1D
5	ORANGE	–	PHASE 1 YELLOW	SPARE	PHASE 5 YELLOW	YELLOW LT TURN ARROW 1B, 1C, 1D
6	BLUE	–	SPARE	SPARE	SPARE	SPARE
7	WHITE	BLACK	SPARE	SPARE	SPARE	SPARE
8	RED	BLACK	PHASE 2 RED	RED BALL 1A, 1M1, 1M2	PHASE 6 RED	RED BALL 2A, 2B, 2C, 2M1, 2M2
9	GREEN	BLACK	PHASE 2 GREEN	GREEN BALL 1A, 1M1, 1M2	PHASE 6 GREEN	GREEN BALL 2A, 2B, 2C, 2M1, 2M2
10	ORANGE	BLACK	PHASE 2 YELLOW	YELLOW BALL 1A, 1M1, 1M2	PHASE 6 YELLOW	YELLOW BALL 2A, 2B, 2C, 2M1, 2M2
11	BLUE	BLACK	PHASE 2 WALK	PEDESTRIAN WALK P1, P6	PHASE 6 WALK	PEDESTRIAN WALK P4, P5
12	BLACK	WHITE	PHASE 2 DON'T WALK	PEDESTRIAN WALK P1, P6	PHASE 6 DON'T WALK	PEDESTRIAN DON'T WALK P4, P5
13	RED	WHITE	PHASE 3 RED	SPARE	PHASE 7 RED	SPARE
14	GREEN	WHITE	PHASE 3 GREEN	SPARE	PHASE 7 GREEN	SPARE
15	BLUE	WHITE	PHASE 3 YELLOW	SPARE	PHASE 7 YELLOW	SPARE
16	BLACK	RED	PHASE 4 RED	SPARE	PHASE 8 RED	RED BALL 3A, 3B, 3M1
17	WHITE	RED	PHASE 4 GREEN	SPARE	PHASE 8 GREEN	GREEN BALL 3A, 3B, 3M1
18	ORANGE	RED	PHASE 4 YELLOW	SPARE	PHASE 8 YELLOW	YELLOW BALL 3A, 3B, 3M1
19	BLUE	RED	PHASE 4 WALK	SPARE	PHASE 8 WALK	PEDESTRIAN WALK P2, P3
20	RED	GREEN	PHASE 4 DON'T WALK	SPARE	PHASE 8 DON'T WALK	PEDESTRIAN DON'T WALK P2, P3

FUNCTION CHART – 24 VOLT CIRCUIT 3/

MULTI CONDUCTOR CABLE 5

CONDUCTOR NUMBER	BASE COLOR	FUNCTION	FIELD CONNECTION
1	BLACK	PHASE 2 PPB	PPB2, PPB6
2	WHITE	COMMON	PPB1 TO PPB6
3	RED	PHASE 4 PPB	SPARE
4	GREEN	PHASE 6 PPB	PPB4, PPB5
5	ORANGE	PHASE 8 PPB	PPB1, PPB1A, PPB3, PPB3A

NOTES:

1/ IDENTIFIED CONDUCTORS LISTED AS "115 VOLTS"

2/ WRAPPED RING 2 CABLE AT EACH SPLICE POINT WITH COLORED ELECTRICAL TAPE. THE IDENTIFICATION MARKING WAS PROVIDED ON EACH RING 2 CABLE AT EACH SPLICE BOX AND LOCATED 6" BACK FROM THE END.

3/ IDENTIFIED CONDUCTORS LISTED AS "PPB – LOW VOLTAGE" AT EACH SPLICE POINT. FIVE (5) CONDUCTOR CABLE ARE 24 VOLTS AND USED FOR PUSH BUTTONS ONLY.

4/ CONDUCTOR CABLE RUNS TO TRAFFIC SIGNALS, PEDESTRIAN SIGNALS, AND PEDESTRIAN PUSH BUTTONS WERE SPLICED INTO THE MAIN CONDUCTORS AT THE NEAREST PULLBOX AND RUN WITHOUT ADDITIONAL SPLICES INTO EACH SIGNAL HEAD OR PUSH BUTTON ASSEMBLY.

ABBREVIATIONS

DL –DETECTOR LOOP (THEORETICAL)
EC –EXTENDED CALL
L –DETECTOR LENGTH
W –DETECTOR WIDTH
QP –QUADRAPOLE DETECTOR

W M Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-9044.91/17/98

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
STAKING OKD BY — DATE
ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

BENCH MARKS
STATION "WEST", A BRASS TABLET STAMPED "WEST 1939". SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY
		DESIGN	WMJ
			JLR
			WMJ

DESIGNED BY WMJ DATE 5/24/96
DRAWN BY JLR DATE 5/24/96
CHECKED BY WMJ DATE 5/24/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

FUNCTIONS AND DETECTORS UNIVERSITY/SUNPORT BLVD. (NORTH SIDE)

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 4044.91 | Zone Map No. M15&16 | Sheet 10-5 Of

SUNTR5.DWG 1 = 1 5/24/96

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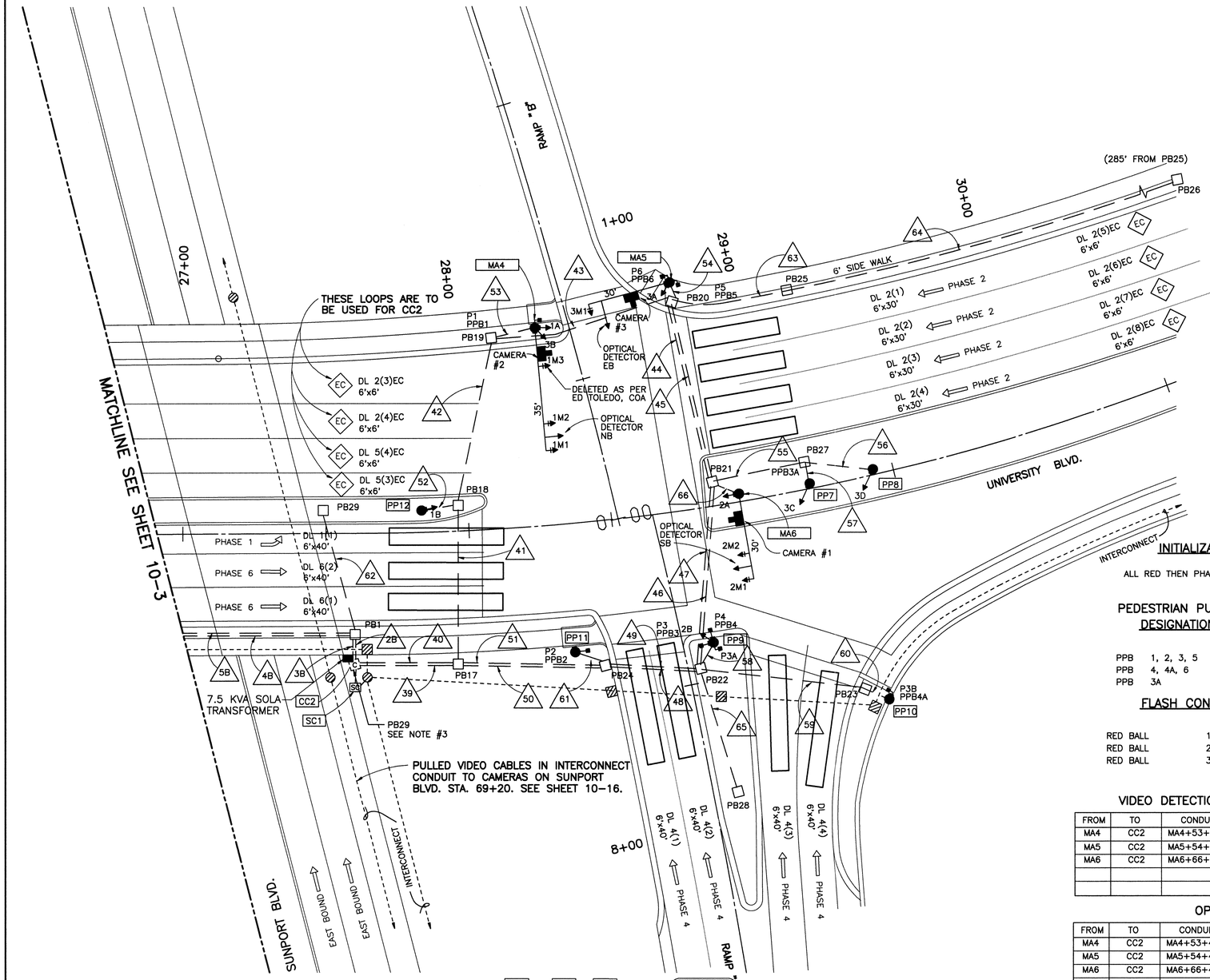
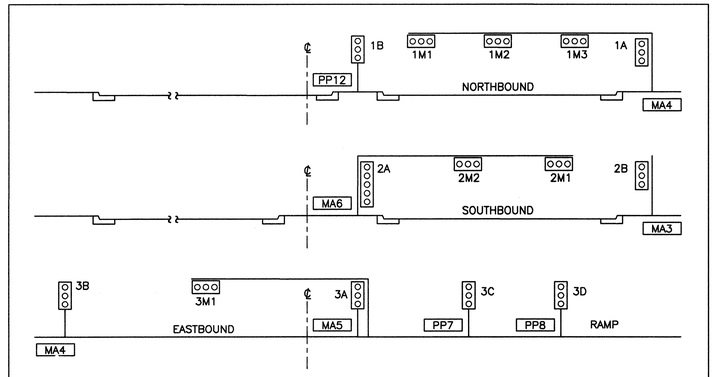


TRAFFIC SIGNAL CONFIGURATION BY APPROACH



SYMBOL KEY

MA1 — SIGNAL & CABINET ID

99 — CONDUIT RUN ID

ABBREVIATIONS

MA1	MASTARM NUMBER
PP1	PEDESTAL POLE NUMBER
PPB1	PEDESTRIAN PUSH BUTTON NUMBER
CC1	CONTROL CABINET NUMBER
PB1	PULL BOX NUMBER
DL1(1)	THEORETICAL DETECTOR PHASE #.
IA	SIGNAL HEAD NUMBER
P1	PEDESTRIAN SIGNAL NUMBER
BP	BACKPLATE
SD	SYSTEM LOOP DETECTOR
EC	EXTENDED CALL DETECTOR
SC1	SPLICE CABINET NUMBER

INITIALIZATION

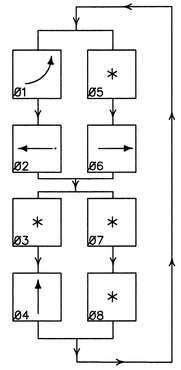
ALL RED THEN PHASE 2 AND 6 GREEN

PEDESTRIAN PUSH BUTTON DESIGNATION SIGNS

PPB	1, 2, 3, 5	R10 – 4b L
PPB	4, 4A, 6	R10 – 4b R
PPB	3A	R10 – 4b L & R

FLASH CONDITION *

RED BALL	1A, 1B, 1M1, 1M2, 1M3
RED BALL	2A, 2B, 2M1, 2M2
RED BALL	3A, 3B, 3C, 3D, 3M1



* INACTIVE

SIGNAL PHASING

VIDEO DETECTION – COAXIAL AND POWER CABLES

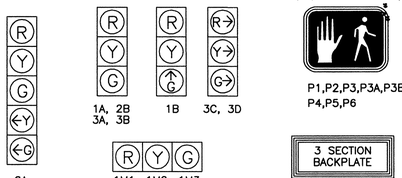
FROM	TO	CONDUIT TRACE	NO.PAIR x LENGTH	TOTAL LENGTH
MA4	CC2	MA4+53+42+41+39	1 @ 247	247
MA5	CC2	MA5+54+45+47+49+51+39	1 @ 357	357
MA6	CC2	MA6+66+47+49+51+39	1 @ 278	278
			TOTAL	882

OPTICAL DETECTOR CABLE

FROM	TO	CONDUIT TRACE	NO.PAIR x LENGTH	TOTAL LENGTH
MA4	CC2	MA4+53+42+41+39	1 @ 247	247
MA5	CC2	MA5+54+45+47+49+51+39	1 @ 347	347
MA6	CC2	MA6+66+47+49+51+39	1 @ 273	273
			TOTAL	867

NOTES:

1. PULL BOXES 1,AND 17–24 ARE LARGE SIZE; PULL BOXES 25, 26, 28, AND 29 ARE STANDARD SIZE.
2. CONDUIT, PULL BOXES, & SIGNAL FOUNDATIONS WERE INSTALLED BY PROJECT TPE–HDP 9253(1).
3. REMOVED PULL BOX 29 AND INSTALLED NEW CONTROLLER FOUNDATION. TIED CONDUITS INTO NEW CONTROL CABINET.
4. MAST ARM FOUNDATIONS 4, 5, & 6 ARE TYPE B.
5. SEE SIGNAL INTERCONNECT PLAN SHEET 10–12.
6. SEE VIDEO DETECTION PLAN FOR SUNPORT BLVD., SEE SHEET 10–16. VIDEO CAMERA 4B WERE CONNECTED TO CC2.



SIGNAL HEAD DETAILS

CABINETS

ID NO.	TYPE	FOUNDATION
CC2	P	CONTROLLER

wm Jones PE

RECORD DRAWING

DATE: 11/03/97 | DRAFTED BY: O.V.

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NO.

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 19.39", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)

PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

REMARKS

REVISIONS

NO.	DATE	BY
	DESIGN	
	DESIGNED BY	WMJ
	DRAWN BY	JLR
	CHECKED BY	WMJ

DATE 5/24/96
DATE 5/24/96
DATE 5/24/96

26-9044.91 172 98

0 20 40
1" = 20'
GRAPHIC SCALE

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

TRAFFIC SIGNAL PLAN UNIVERSITY/SUNPORT BLVD. (SOUTH SIDE)

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	10–6	##

TRAFCON2.DWG 1 = 20 5/24/96

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CONDUIT AND CONDUCTOR REQUIREMENTS

RUN ID ##	SIZE/LENGTH 1"	2"	3"	TYPE	REMARKS	MCC 5 (# @ ft)	MCC 7 (# @ ft)	MCC 20 (# @ ft)	SCC #8 (# @ ft)	SCC #4 (# @ ft)	DLLIC (# @ ft)	CC 6 (# @ ft)	CC 12 (# @ ft)	OPTICOM (# @ ft)	VIDEO (# @ ft)
1A		500		REC	CC2 TO METER					3 @ 500					
1B		10		REC	METER TO POWER					3 @ 15					
2B			(16)	REC	CC2 TO PB1	1 @ 21		2 @ 21	1 @ 21						
3B		(16)		REC	CC2 TO PB1										
5A		(69)		REC	PB2 TO CONDUIT 4B										
5B*		(60)		REC	CONDUIT 4A TO PB1										
39		(42)		REC	CC2 TO PB17									3 @ 36	3 @ 46
40			(42)	REC	CC2 TO PB17	1 @ 36		2 @ 36	1 @ 36						
41			(58)	REC	PB17 TO PB18	1 @ 66		2 @ 66	1 @ 66					1 @ 66	1 @ 66
42			(60)	REC	PB18 TO PB19	1 @ 73		2 @ 73	1 @ 73					1 @ 73	1 @ 73
43			(72)	REC	PB19 TO PB20	1 @ 79		2 @ 79	1 @ 79						
44			(70)	REC	PB20 TO PB21	1 @ 76		2 @ 76	1 @ 76						
45		(70)		REC	PB20 TO PB21									1 @ 76	1 @ 76
46			(62)	REC	PB21 TO PB22	1 @ 73		2 @ 73	1 @ 73						
47		(62)		REC	PB21 TO PB22									2 @ 73	2 @ 73
48			(35)	REC	PB22 TO PB24	1 @ 48		2 @ 48	1 @ 48						
49		(35)		REC	PB22 TO PB24									2 @ 46	2 @ 48
50			(54)	REC	PB24 TO PB17	1 @ 59		2 @ 59	1 @ 59						
51		(54)		REC	PB24 TO PB17									2 @ 59	2 @ 59
52		**(13)**		**REC**	**PB18 TO PP12**	**1 @ 21**									
~~53~~		~~(17)~~		~~REC~~	~~PB19 TO MA4~~	~~7 @ 22~~		**2 @ 28**	**1 @ 28**					**1 @ 28**	**1 @ 28**
54		(14)		REC	PB20 TO MA5	~~6 @ 19~~		2 @ 22	1 @ 22					1 @ 22	1 @ 22
55		(56)		REC	PB21 TO PB27	2 @ 56									
56		(24)		REC	PB27 TO PP8	1 @ 31									
57		(9)		REC	PB27 TO PP7	1 @ 24									
58		(12)		REC	PB22 TO PP9	4 @ 17		2 @ 15	2 @ 15						
59		(63)		REC	PB22 TO PB23										
60		(11)		REC	PB23 TO PP10										
61		(15)		REC	PB24 TO PP11	2 @ 25									
62*		(45)		REC	PB1 TO PB29										
63		(43)		REC	PB20 TO PB25										
64		(247)		REC	PB25 TO PB26										
65		(48)		REC	PB22 TO PB28										
66		(10)		REC	PB21 TO MA6	~~3 @ 15~~	1 @ 17	1 @ 17	1 @ 17					1 @ 17	1 @ 17
	170'				LOOP TERMINATIONS										
SUBTOTAL	170'	510	0			837	17	1209	613	1545	0	0	0	750	750

CONDUIT AND CONDUCTOR REQUIREMENTS

RUN ID ##	SIZE/LENGTH 1"	2"	3"	TYPE	REMARKS	MCC 5 (# @ ft)	MCC 7 (# @ ft)	MCC 20 (# @ ft)	SCC #8 (# @ ft)	SCC #4 (# @ ft)	DLLIC (# @ ft)	CC 6 (# @ ft)	CC 12 (# @ ft)	OPTICOM (# @ ft)	VIDEO (# @ ft)
MA4					BASE TO 1A	1 @ 15									
					BASE TO 3B	1 @ 15									
					BASE TO 1M1	1 @ 55									
					BASE TO 1M2	1 @ 45									
					BASE TO 1M3	1 @ 35									
					BASE TO P1	1 @ 15									
					BASE TO PPB1	1 @ 5									
					BASE TO OPTICOM									1 @ 50	
					BASE TO CAMERA #2										1 @ 50
MA5					BASE TO 3A	1 @ 15									
					BASE TO 3M1	1 @ 50									
					BASE TO P5 & P6	2 @ 15									
					BASE TO PPB5 & PPB6	2 @ 5									
					BASE TO OPTICOM									1 @ 40	
					BASE TO CAMERA #3										1 @ 50
MA6					BASE TO 2A		1 @ 15								
					BASE TO 2M1	1 @ 50									
					BASE TO 2M2	**1 @ 40**									
					BASE TO PPB3A	**1 @ 5**									
					BASE TO OPTICOM									1 @ 45	
					BASE TO CAMERA #1										1 @ 50
PP7					BASE TO 3C	1 @ 15									
PP8					BASE TO 3D	1 @ 15									
PP9					BASE TO 2B	1 @ 15									
					BASE TO P3 & P4	2 @ 15									
					BASE TO PPB3 & PPB4	2 @ 5									
					BASE TO P3A	1 @ 15									
PP10					BASE TO P3B	1 @ 15									
					BASE TO PPB4A	1 @ 5									
PP11					BASE TO P2	1 @ 15									
					BASE TO PPB2	1 @ 5									
PP12					BASE TO 1B	1 @ 15									
					VIDEO RUN TO										1 @ 1750
					CAMERA 4B ON										
					SUNPORT BLVD.										
					STA. 69+20										
SUBTOTAL	0	0	0			540	15	0	0	0	0	0	0	135	1900
TOTAL	170'	510	0			1377	30	1209	613	1545	0	0	0	885	2650

* SEE SHEET 10-9

NUMBERS IN PARENTHESIS (##) ARE TO BE INSTALLED BY PROJECT TPE-HDP 9253(1)

VIDEO = 1 COAXIAL CABLE & 1 POWER CABLE

ABBREVIATIONS
CC 6 – COMMUNICATION CABLE – 6 PAIR
CC 12– COMMUNICATION CABLE – 12 PAIR
DL – DETECTOR LOOP
DLLIC– DETECTOR LOOP LEAD – IN CABLE
MA – MASTARM
MCC – MULTI CONDUCTOR CABLE
PB – PULL BOX
PP – PEDISTAL POLE
PPB – PEDESTRIAN PUSH BOX
REC – RIGID ELECTRIC CONDUIT
SCC – SINGLE CONDUCTOR CABLE

TSGCABL2.DWG 1 = 1 5/24/96

AS BUILT INFORMATION

CONTRACTOR
WORK STARTED BY — DATE
WORK COMPLETED BY
ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
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PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY
		DESIGN	
	DATE 5/24/96		DESIGNED BY WMJ
	DATE 5/24/96		DRAWN BY JLR
	DATE 5/24/96		CHECKED BY WMJ

26-4044.91/173/98

RECORD DRAWING
DATE: 11/03/97 | DRAFTED BY: O.V.
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MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

TRAFFIC SIGNAL CONDUITS & CABLES UNIVERSITY BLVD./SUNPORT BLVD. (SOUTH SIDE)

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	10-7	

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DETECTOR LOOPS *

LOOP ID	VEHICLE DETECTOR MODE	CALL	UNIT NO.	CHANNEL	LOOP TYPE	LOOP DIMENSIONS L	W	S	T	LOOP WIRE	PAVEMENT SAWCUT
DL1(1)	PRESENCE		ONE	CH2	QP	40	6				
DL2(1)	PRESENCE		TWO	CH1	QP	30	6				
DL2(2)	PRESENCE		TWO	CH1	QP	30	6				
DL2(3)	PRESENCE		TWO	CH2	QP	30	6				
DL2(4)	PRESENCE		TWO	CH2	QP	30	6				
DL2(5)	"	EXTEND 3	FOUR	CH1	EC	6	6				
DL2(6)	"	EXTEND 3	FOUR	CH1	EC	6	6				
DL2(7)	"	EXTEND 3	FOUR	CH1	EC	6	6				
DL2(8)	"	EXTEND 3	FOUR	CH1	EC	6	6				
DL4(1)	PRESENCE		SIX	CH1	QP	40	6				
DL4(2)	"		SIX	CH1	QP	40	6				
DL4(3)	"		SIX	CH2	QP	40	6				
DL4(4)	"		SIX	CH2	QP	40	6				
DL6(1)	PRESENCE		THREE	CH1	QP	40	6				
DL6(2)	"		THREE	CH2	QP	40	6				
DL6(3)	"	EXTEND 3	FOUR	CH2	EC	6	6				
DL6(4)	"	EXTEND 3	FOUR	CH2	EC	6	6				

* ALL LOOPS ARE THEORETICAL AND WERE PROGRAMMED INTO VIDEO DETECTION SYSTEM. SIZES SHOWN ARE APPROXIMATE.

UNIT NUMBER →	POWER SUPPLY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
CHANNEL 1 →		ø1	ø2	ø6	ø2 EC	ø3	ø4	ø8	ø4 EC	DUAL LEFT ø1	DUAL LEFT ø3	SD 1	SD 3	SD 5	SD 7	SD 9	SPARE JUMPERED TO NO. 2	OPTICOM 1	OPTICOM 3
CHANNEL 2 →		ø5	ø2	ø6	ø6 EC	ø7	ø4	ø8	ø8 EC	DUAL LEFT ø5	DUAL LEFT ø7	SD 2	SD 4	SD 6	SD 8	SD 10		OPTICOM 2	OPTICOM 4
DETECTOR MODULE REQUIRED →	*																	✓	✓

* INCIDENTAL TO CONSTRUCTION

FUNCTION CHART – 115 VOLT CIRCUIT

CONDUCTOR			RING 1 – MULTI CONDUCTOR CABLE 20		RING 2 – MULTI CONDUCTOR CABLE 20 2/	
CONDUCTOR NUMBER	BASE COLOR	TRACER	FUNCTION	FIELD CONNECTION	FUNCTION	FIELD CONNECTION
1	BLACK	–	SPARE	SPARE	SPARE	SPARE
2	WHITE	–	SPARE	SPARE	SPARE	SPARE
3	RED	–	PHASE 1 RED	SPARE	PHASE 5 RED	SPARE
4	GREEN	–	PHASE 1 GREEN	GREEN LT TURN ARROW 2A	PHASE 5 GREEN	SPARE
5	ORANGE	–	PHASE 1 YELLOW	YELLOW LT TURN ARROW 2A	PHASE 5 YELLOW	SPARE
6	BLUE	–	SPARE	SPARE	SPARE	SPARE
7	WHITE	BLACK	SPARE	SPARE	SPARE	SPARE
8	RED	BLACK	PHASE 2 RED	RED BALL 1A, 1B, 1M1, 1M2, 1M3	PHASE 6 RED	RED BALL 2A, 2B, 2M1, 2M2
9	GREEN	BLACK	PHASE 2 GREEN	GREEN BALL 1A, 1B, 1M1, 1M2, 1M3	PHASE 6 GREEN	GREEN BALL 2A, 2B, 2M1, 2M2
10	ORANGE	BLACK	PHASE 2 YELLOW	YELLOW BALL 1A, 1B, 1M1, 1M2, 1M3	PHASE 6 YELLOW	YELLOW BALL 2A, 2B, 2M1, 2M2
11	BLUE	BLACK	PHASE 2 WALK	PEDESTRIAN WALK P1, P6	PHASE 6 WALK	PEDESTRIAN WALK P2, P3, P3A, P3B
12	BLACK	WHITE	PHASE 2 DON'T WALK	PEDESTRIAN DON'T WALK P1, P6	PHASE 6 DON'T WALK	PEDESTRIAN DON'T WALK P2, P3, P3A, P3B
13	RED	WHITE	PHASE 3 RED	SPARE	PHASE 7 RED	SPARE
14	GREEN	WHITE	PHASE 3 GREEN	SPARE	PHASE 7 GREEN	SPARE
15	BLUE	WHITE	PHASE 3 YELLOW	SPARE	PHASE 7 YELLOW	SPARE
16	BLACK	RED	PHASE 4 RED	RED BALL/ ARROW 3A, 3B, 3C, 3D, 3M1	PHASE 8 RED	SPARE
17	WHITE	RED	PHASE 4 GREEN	GREEN BALL/ ARROW 3A, 3B, 3C, 3D, 3M1	PHASE 8 GREEN	SPARE
18	ORANGE	RED	PHASE 4 YELLOW	YELLOW BALL/ ARROW 3A, 3B, 3C, 3D 3M1	PHASE 8 YELLOW	SPARE
19	BLUE	RED	PHASE 4 WALK	PEDESTRIAN WALK P4, P5	PHASE 8 WALK	SPARE
20	RED	GREEN	PHASE 4 DON'T WALK	PEDESTRIAN DON'T WALK P4, P5	PHASE 8 DON'T WALK	SPARE

FUNCTION CHART – 24 VOLT CIRCUIT 3/

MULTI CONDUCTOR CABLE 5			
CONDUCTOR NUMBER	BASE COLOR	FUNCTION	FIELD CONNECTION
1	BLACK	PHASE 2 PPB	PPB1, PPB5
2	WHITE	COMMON	PPB1 TO PPB6
3	RED	PHASE 4 PPB	PPB3, PPB3A, PPB6
4	GREEN	PHASE 6 PPB	PPB2, PPB4, PPB4A
5	ORANGE	PHASE 8 PPB	SPARE

ABBREVIATIONS

DL –DETECTOR LOOP (THEORETICAL)
EC –EXTENDED CALL
L –DETECTOR LENGTH
W –DETECTOR WIDTH
QP –QUADRAPOLE

NOTES:

1/ IDENTIFIED CONDUCTORS LISTED AS "115 VOLTS"

2/ WRAPPED RING 2 CABLE AT EACH SPLICE POINT WITH COLORED ELECTRICAL TAPE. THE IDENTIFICATION MARKING WAS PROVIDED ON EACH RING 2 CABLE AT EACH SPLICE BOX AND LOCATED 6" BACK FROM THE END.

3/ IDENTIFIED CONDUCTORS LISTED AS "PPB – LOW VOLTAGE" AT EACH SPLICE POINT. FIVE (5) CONDUCTOR CABLE ARE 24 VOLTS AND USED FOR PUSH BUTTONS ONLY.

4/ CONDUCTOR CABLE RUNS TO TRAFFIC SIGNALS, PEDESTRIAN SIGNALS, AND PEDESTRIAN PUSH BUTTONS WERE SPLICED INTO THE MAIN CONDUCTORS AT THE NEAREST PULLBOX AND RUN WITHOUT ADDITIONAL SPLICES INTO EACH SIGNAL HEAD OR PUSH BUTTON ASSEMBLY.

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY DATE
WORK COMPLETED DATE
ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
AS-BUILTS DRAWINGS
CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
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SURVEY INFORMATION
FIELD NOTES

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	KOOGLE & POULS	3/92

ENGINEER'S SEAL

wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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REVISIONS

NO.	DATE	REMARKS	BY
		DESIGN	DATE 5/24/96
		DESIGNED BY WMJ	
		DRAWN BY JLR	DATE 5/24/96
		CHECKED BY WMJ	DATE 5/24/96

22-4044.91/17498

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

FUNCTIONS AND DETECTORS UNIVERSITY BLVD./SUNPORT BLVD. (SOUTH SIDE)

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	10–8	

SUNTR8.DWG 1 = 1 5/24/96

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CABINETS

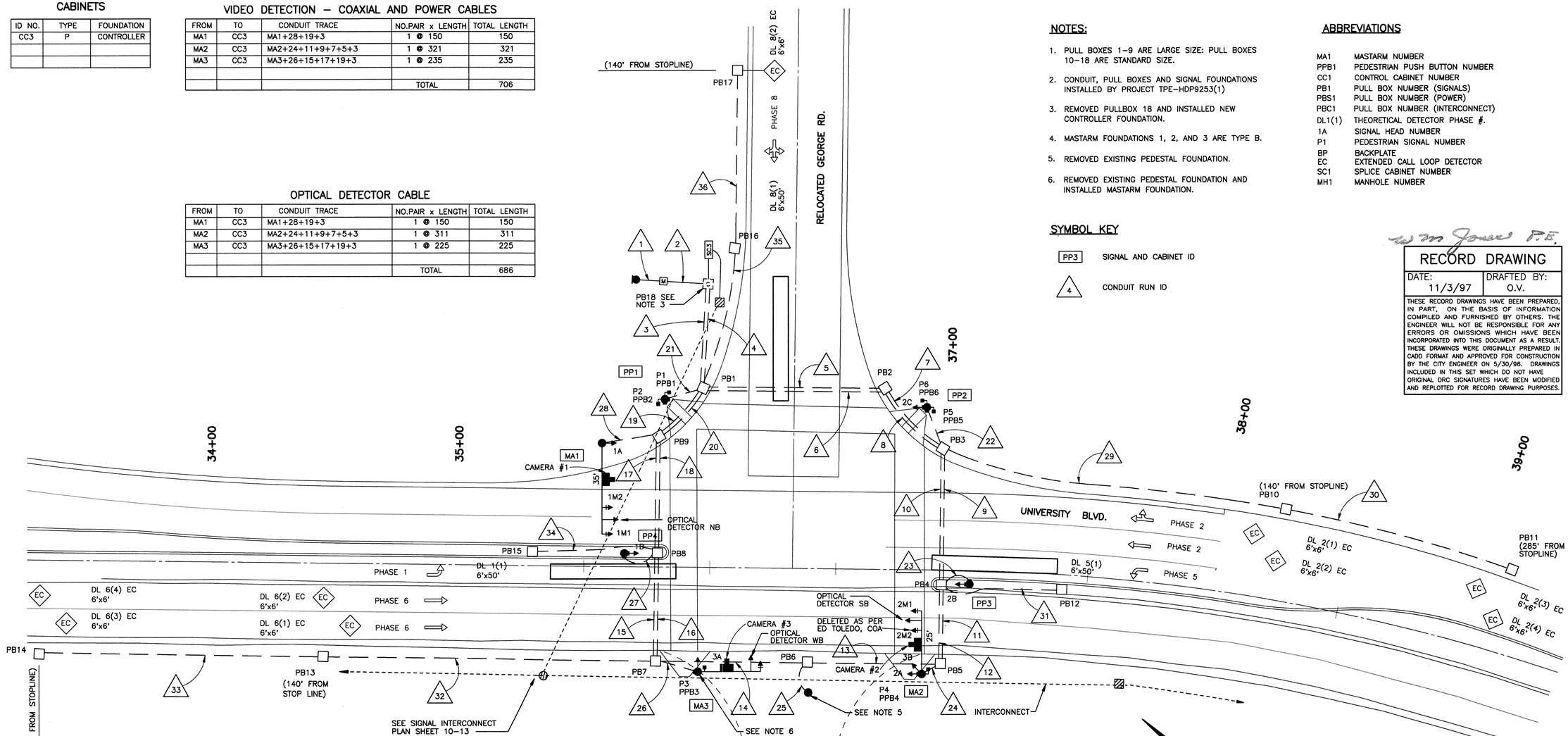
ID NO.	TYPE	FOUNDATION
CC3	P	CONTROLLER

VIDEO DETECTION – COAXIAL AND POWER CABLES

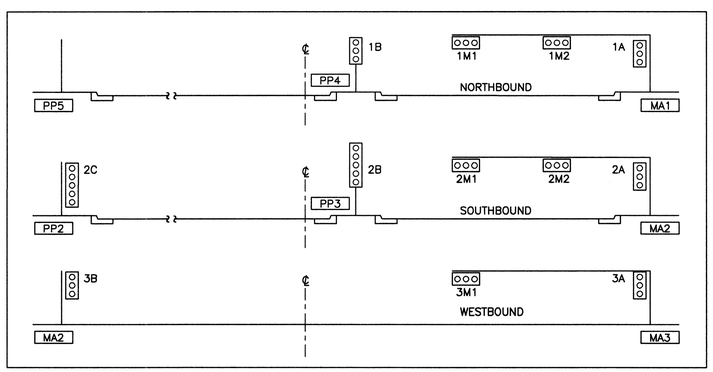
FROM	TO	CONDUIT TRACE	NO.PAIR x LENGTH	TOTAL LENGTH
MA1	CC3	MA1+28+19+3	1 @ 150	150
MA2	CC3	MA2+24+11+9+7+5+3	1 @ 321	321
MA3	CC3	MA3+26+15+17+19+3	1 @ 235	235
			TOTAL	706

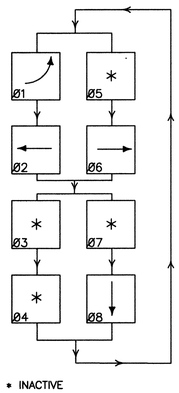
OPTICAL DETECTOR CABLE

FROM	TO	CONDUIT TRACE	NO.PAIR x LENGTH	TOTAL LENGTH
MA1	CC3	MA1+28+19+3	1 @ 150	150
MA2	CC3	MA2+24+11+9+7+5+3	1 @ 311	311
MA3	CC3	MA3+26+15+17+19+3	1 @ 225	225
			TOTAL	686

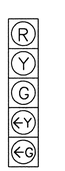


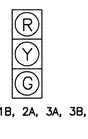
TRAFFIC SIGNAL CONFIGURATION BY APPROACH





SIGNAL PHASING





SIGNAL HEAD DETAILS

PEDESTRIAN PUSH BUTTON DESIGNATION SIGNS

PPB	1, 3, 4, 5	R10	4b L
PPB	2, 6	R10	4b R

P1, P2, P3, P4, P5, P6

3 SECTION BACKPLATE

1M1, 1M2, 2M1, 2M2, 3M1

NOTES:

1. PULL BOXES 1–9 ARE LARGE SIZE: PULL BOXES 10–18 ARE STANDARD SIZE.
2. CONDUIT, PULL BOXES AND SIGNAL FOUNDATIONS INSTALLED BY PROJECT TPE–HDP9253(1)
3. REMOVED PULLBOX 18 AND INSTALLED NEW CONTROLLER FOUNDATION.
4. MASTARM FOUNDATIONS 1, 2, AND 3 ARE TYPE B.
5. REMOVED EXISTING PEDESTAL FOUNDATION.
6. REMOVED EXISTING PEDESTAL FOUNDATION AND INSTALLED MASTARM FOUNDATION.

SYMBOL KEY

PP3 — SIGNAL AND CABINET ID

4 — CONDUIT RUN ID

ABBREVIATIONS

MA1	MASTARM NUMBER
PPB1	PEDESTRIAN PUSH BUTTON NUMBER
CC1	CONTROL CABINET NUMBER
PB1	PULL BOX NUMBER (SIGNALS)
PBS1	PULL BOX NUMBER (POWER)
PBC1	PULL BOX NUMBER (INTERCONNECT)
DL1(1)	THEORETICAL DETECTOR PHASE #.
1A	SIGNAL HEAD NUMBER
P1	PEDESTRIAN SIGNAL NUMBER
BP	BACKPLATE
EC	EXTENDED CALL LOOP DETECTOR
SC1	SPLICE CABINET NUMBER
MH1	MANHOLE NUMBER

wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/3/97	O.V.

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0 20 40
1" = 20'
GRAPHIC SCALE

FLASH CONDITION

RED BALL → HEADS: 1A, 1B, 1M1, 1M2, 2A, 2B, 2C, 2M1, 2M2, 3A, 3B, 3M1

INITIALIZATION

ALL RED, THEN PHASE 2 AND 6 GREEN

AS BUILT INFORMATION

CONTRACTOR WORK STARTED BY — DATE
FIELD INSPECTION BY — DATE
ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
AS BUILT DRAWINGS CORRECTED BY — DATE

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	KOOGLE & POULS	3/92

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		DESIGN	
		DESIGNED BY	WMJ
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DATE 5/24/96
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DATE 5/24/96

MOLZEN–CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

TRAFFIC SIGNAL PLAN
UNIVERSITY BLVD./
RELOCATED GEORGE ROAD

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	10–9	

TRAFCON3.DWG 1 = 20 5/24/96

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CONDUIT AND CONDUCTOR REQUIREMENTS

RUN ID ##	CONDUIT LENGTH, SIZE, AND TYPE 1"	2"	3"	TYPE	REMARKS	CONDUIT FILL BY CONDUCTOR LENGTH AND TYPE MCC 5 (# @ ft)	MCC 7 (# @ ft)	MCC 20 (# @ ft)	SCC #8 (# @ ft)	SCC #4 (# @ ft)	DLLIC (# @ ft)	CC 6 (# @ ft)	CC 12 (# @ ft)	OPTICOM (# @ ft)	VIDEO (# @ ft)
1		15		REC	POWER TO METER					3 @ 20					
2		200		REC	METER TO CC3					3 @ 205					
3		(34)		REC	CC3 TO PB1									3 @ 37	3 @ 37
4			(34)	REC	CC3 TO PB1	1 @ 37		2 @ 37	1 @ 37						
5		(74)		REC	PB1 TO PB2									1 @ 82	1 @ 82
6			(74)	REC	PB1 TO PB2	1 @ 82		2 @ 82	1 @ 82						
7		(35)		REC	PB2 TO PB3									1 @ 51	1 @ 51
8			(35)	REC	PB2 TO PB3	1 @ 51		2 @ 51	1 @ 51						
9		(55)		REC	PB3 TO PB4									1 @ 64	1 @ 64
10			(55)	REC	PB3 TO PB4	1 @ 64		2 @ 64	1 @ 64						
11		(31)		REC	PB4 TO PB5									1 @ 41	1 @ 41
12			(31)	REC	PB4 TO PB5	1 @ 41		2 @ 41	1 @ 41						
13			(54)	REC	PB5 TO PB6	1 @ 67		2 @ 67	1 @ 67						
14			(82)	REC	PB6 TO PB7	1 @ 69		2 @ 69	1 @ 69						
15		(43)		REC	PB7 TO PB8									1 @ 53	1 @ 53
16			(43)	REC	PB7 TO PB8	1 @ 53		2 @ 53	1 @ 53						
17		(37)		REC	PB8 TO PB9									1 @ 56	1 @ 56
18			(37)	REC	PB8 TO PB9	1 @ 56		2 @ 56	1 @ 56						
19		(28)		REC	PB9 TO PB1									2 @ 39	2 @ 39
20			(28)	REC	PB9 TO PB1	1 @ 39		2 @ 39	1 @ 39						
21		(20)		REC	PB1 TO PP1	~~4 @ 25~~		1 @ 26	1 @ 26						
22		(21)		REC	PB3 TO PP2	~~4 @ 26~~	1 @ 40	1 @ 40	1 @ 40						
23		(15)		REC	PB4 TO PP3		1 @ 20								
24		(12)		REC	PB5 TO MA2	~~6 @ 17~~		2 @ 16	2 @ 16					1 @ 16	1 @ 16
25		(11)		REC											
26		(18)		REC	PB7 TO MA3	~~4 @ 23~~		1 @ 26	1 @ 26					1 @ 26	1 @ 26
27		(15)		REC	PB8 TO PP4	1 @ 27									
28		(23)		REC	PB9 TO MA1	3 @ 37								1 @ 37	1 @ 37
29		(142)		REC	PB3 TO PB10										
30		(147)		REC	PB10 TO PB11										
31		(50)		REC	PB4 TO PB12										
32		(142)		REC	PB7 TO PB13										
33		(147)		REC	PB13 TO PB14										
34		(43)		REC	PB8 TO PB15										
35		(52)		REC	PB1 TO PB16										
36		(92)		REC	PB16 TO PB17										
	120'			REC	LOOP TERMINATIONS										
SUBTOTAL	120'	215'	0			694	60	1242	683	675	0	0	0	615	615

CONDUIT AND CONDUCTOR REQUIREMENTS

RUN ID ##	CONDUIT LENGTH, SIZE, AND TYPE 1"	2"	3"	TYPE	REMARKS	CONDUIT FILL BY CONDUCTOR LENGTH AND TYPE MCC 5 (# @ ft)	MCC 7 (# @ ft)	MCC 20 (# @ ft)	SCC #8 (# @ ft)	SCC #4 (# @ ft)	DLLIC (# @ ft)	CC 6 (# @ ft)	CC 12 (# @ ft)	OPTICOM (# @ ft)	VIDEO (# @ ft)
MA1					BASE TO 1A	1 @ 15									
					BASE TO 1M1	1 @ 55									
					BASE TO 1M2	1 @ 45									
					BASE TO OPTICOM									1 @ 50	
					BASE TO CAMERA #1										1 @ 50
MA2					BASE TO 2A	1 @ 15									
					BASE TO 2M1	1 @ 45									
					BASE TO 2M2	1 @ 35									
					BASE TO 3B	1 @ 15									
					BASE TO P4	1 @ 15									
					BASE TO PPB4	1 @ 5									
					BASE TO OPTICOM									1 @ 40	
					BASE TO CAMERA #2										1 @ 50
PP1					BASE TO P1 & P2	2 @ 15									
					BASE TO PPB1 & PPB2	2 @ 5									
PP2					BASE TO 2C		1 @ 15								
					BASE TO P5 & P6	2 @ 15									
					BASE TO PPB5 & PPB6	2 @ 5									
PP3					BASE TO 2B		1 @ 15								
MA3					BASE TO 3A	1 @ 15									
					BASE TO 3M1	1 @ 50									
					BASE TO OPTICOM									1 @ 40	
					BASE TO CAMERA #3										1 @ 50
					BASE TO P3	1 @ 15									
					BASE TO PPB3	1 @ 5									
PP4					BASE TO 1B	1 @ 15									
SUBTOTAL	0	0	0			425	30	0	0	0	0	0	0	130	150
TOTAL	120'	215'	0			1119	90	1242	683	675	0	0	0	745	765

* SEE SHEET 10-9

NUMBERS IN PARANTHESIS (##) ARE TO BE INSTALLED BY PROJECT TPE-HDP 9253(1)

VIDEO = 1 COAXIAL CABLE & 1 POWER CABLE

ABBREVIATIONS

CC 6 – COMMUNICATION CABLE – 6 PAIR
CC 12– COMMUNICATION CABLE – 12 PAIR
DL – DETECTOR LOOP
DLLIC– DETECTOR LOOP LEAD – IN CABLE
MA – MASTARM
MCC – MULTI CONDUCTOR CABLE
PB – PULL BOX
PP – PEDISTAL POLE
PPB – PEDESTRIAN PUSH BOX
REC – RIGID ELECTRIC CONDUIT
SCC – SINGLE CONDUCTOR CABLE

TSGCABL3.DWG 1 = 1 5/24/96

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
STAKES CHECKED BY
ACCEPTANCE BY — DATE
FIELD VERIFICATION BY
DRAWINGS CORRECTED BY — DATE

BENCH MARKS
STATION "WEST", A BRASS TABLET STAMPED "WEST 1939". SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)

MICRO-FILM INFORMATION
PROJECT: X=389231.83, Y=473027.84, EL.=5310.21
RECORDED BY — DATE
NO.

SURVEY INFORMATION
FIELD NOTES BY: KOOGLE & POULS — DATE: 3/92

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY
DESIGN	DATE 5/24/96	DESIGNED BY	WMJ
	DATE 5/24/96	DRAWN BY	JLR
	DATE 5/24/96	CHECKED BY	WMJ

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

TRAFFIC SIGNAL CONDUITS & CABLES UNIVERSITY BLVD./ RELOCATED GEORGE ROAD

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 4044.91 | Zone Map No. M15&16 | Sheet 10–10 Of

26-90944.9/17/98

W m Jones P.E.

RECORD DRAWING

DATE: 11/03/97 | DRAFTED BY: O.V.

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DETECTOR LOOPS*

LOOP ID	VEHICLE DETECTOR MODE	CALL	UNIT NO.	CHANNEL	LOOP TYPE	LOOP DIMENSIONS L	W	S	T	LOOP WIRE	PAVEMENT SAWCUT
DL1(1)	PRESENCE		ONE	CH1	QP	50	6				
DL2(1)	PRESENCE	EXTEND 3	FOUR	CH1	EC	6	6				
DL2(2)	"	"	"	"	"	6	6				
DL2(3)	"	"	"	"	"	6	6				
DL2(4)	"	"	"	"	"	6	6				
DL5(1)	PRESENCE		ONE	CH2	QP	50	6	5	5	449	167
DL6(1)	PRESENCE	EXTEND 3	FOUR	CH2	EC	6	6				
DL6(2)	"	"	"	"	"	6	6				
DL6(3)	"	"	"	"	"	6	6				
DL6(4)	"	"	"	"	"	6	6				
DL8(1)	PRESENCE		SEVEN	CH1	QP	50	6				
DL8(2)	"	EXTEND 3	EIGHT	CH2	EC	6	6				

* ALL LOOPS SHOWN ARE THEORETICAL AND SHALL BE PROGRAMMED INTO VIDEO DETECTION SYSTEM. SIZES SHOWN ARE APPROXIMATE.

UNIT NUMBER →	POWER SUPPLY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
CHANNEL 1 →		ø1	ø2	ø6	ø2 EC	ø3	ø4	ø8	ø4 EC	DUAL LEFT ø1	DUAL LEFT ø3	SD 1	SD 3	SD 5	SD 7	SD 9	PED ISOLATION	OPTICOM 1	OPTICOM 3
CHANNEL 2 →		ø5	ø2	ø6	ø6 EC	ø7	ø4	ø8	ø8 EC	DUAL LEFT ø5	DUAL LEFT ø7	SD 2	SD 4	SD 6	SD 8	SD 10		OPTICOM 2	OPTICOM 4
DETECTOR MODULE REQUIRED →	*																	✓	✓

* INCIDENTAL TO CONSTRUCTION

FUNCTION CHART – 115 VOLT CIRCUIT

CONDUCTOR NUMBER	CONDUCTOR BASE COLOR	CONDUCTOR TRACER	RING 1 – MULTI CONDUCTOR CABLE 20 FUNCTION	RING 1 – MULTI CONDUCTOR CABLE 20 FIELD CONNECTION	RING 2 – MULTI CONDUCTOR CABLE 20 2/ FUNCTION	RING 2 – MULTI CONDUCTOR CABLE 20 2/ FIELD CONNECTION
1	BLACK	–	SPARE	SPARE	SPARE	SPARE
2	WHITE	–	SPARE	SPARE	SPARE	SPARE
3	RED	–	PHASE 1 RED	SPARE	PHASE 5 RED	SPARE
4	GREEN	–	PHASE 1 GREEN	GREEN LT TURN ARROW 2B, 2C	PHASE 5 GREEN	SPARE
5	ORANGE	–	PHASE 1 YELLOW	YELLOW LT TURN ARROW 2B, 2C	PHASE 5 YELLOW	SPARE
6	BLUE	–	SPARE	SPARE	SPARE	SPARE
7	WHITE	BLACK	SPARE	SPARE	SPARE	SPARE
8	RED	BLACK	PHASE 2 RED	RED BALL 1A, 1B, 1M1, 1M2	PHASE 6 RED	RED BALL 2A, 2B, 2C, 2M1, 2M2
9	GREEN	BLACK	PHASE 2 GREEN	GREEN BALL 1A, 1B, 1M1, 1M2	PHASE 6 GREEN	GREEN BALL 2A, 2B, 2C, 2M1, 2M2
10	ORANGE	BLACK	PHASE 2 YELLOW	YELLOW BALL 1A, 1B, 1M1, 1M2	PHASE 6 YELLOW	YELLOW BALL 2A, 2B, 2C, 2M1, 2M2
11	BLUE	BLACK	PHASE 2 WALK	PEDESTRIAN WALK P1, P6	PHASE 6 WALK	SPARE
12	BLACK	WHITE	PHASE 2 DON'T WALK	PEDESTRIAN DON'T WALK P1, P6	PHASE 6 DON'T WALK	SPARE
13	RED	WHITE	PHASE 3 RED	SPARE	PHASE 7 RED	SPARE
14	GREEN	WHITE	PHASE 3 GREEN	SPARE	PHASE 7 GREEN	SPARE
15	BLUE	WHITE	PHASE 3 YELLOW	SPARE	PHASE 7 YELLOW	SPARE
16	BLACK	RED	PHASE 4 RED	SPARE	PHASE 8 RED	RED BALL 3A, 3B, 3C
17	WHITE	RED	PHASE 4 GREEN	SPARE	PHASE 8 GREEN	GREEN BALL 3A, 3B, 3C
18	ORANGE	RED	PHASE 4 YELLOW	SPARE	PHASE 8 YELLOW	YELLOW BALL 3A, 3B, 3C
19	BLUE	RED	PHASE 4 WALK	PEDESTRIAN WALK P4, P5	PHASE 8 WALK	PEDESTRIAN WALK P2, P3
20	RED	GREEN	PHASE 4 DON'T WALK	PEDESTRIAN DON'T WALK P4, P5	PHASE 8 DON'T WALK	PEDESTRIAN DON'T WALK P2, P3

FUNCTION CHART – 24 VOLT CIRCUIT 3/

MULTI CONDUCTOR CABLE 5

CONDUCTOR NUMBER	BASE COLOR	FUNCTION	FIELD CONNECTION
1	BLACK	PHASE 2 PPB	PPB2, PPB5
2	WHITE	COMMON	PPB1 TO PPB6
3	RED	PHASE 4 PPB	PPB4, PPB6
4	GREEN	PHASE 6 PPB	SPARE
5	ORANGE	PHASE 8 PPB	PPB1, PPB3

ABBREVIATIONS

DL –DETECTOR LOOP (THEORETICAL)
EC –EXTENDED CALL
L –DETECTOR LENGTH
W –DETECTOR WIDTH
QP –QUADRAPOLE

NOTES:

1/ IDENTIFIED CONDUCTORS LISTED AS "115 VOLTS"

2/ WRAPPED RING 2 CABLE AT EACH SPLICE POINT WITH COLORED ELECTRICAL TAPE. THE IDENTIFICATION MARKING WAS PROVIDED ON EACH RING 2 CABLE AT EACH SPLICE BOX AND LOCATED 6" BACK FROM THE END.

3/ IDENTIFIED CONDUCTORS LISTED AS "PPB – LOW VOLTAGE" AT EACH SPLICE POINT. FIVE (5) CONDUCTOR CABLE WAS 24 VOLTS AND USED FOR PUSH BUTTONS ONLY.

4/ CONDUCTOR CABLE RUNS TO TRAFFIC SIGNALS, PEDESTRIAN SIGNALS, AND PEDESTRIAN PUSH BUTTONS WERE SPLICED INTO THE MAIN CONDUCTORS AT THE NEAREST PULLBOX AND RUN WITHOUT ADDITIONAL SPLICES INTO EACH SIGNAL HEAD OR PUSH BUTTON ASSEMBLY.

26-4044.91/11798

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY DATE
WORK COMPLETED DATE
ACCEPTANCE BY
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE

BENCH MARKS
STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

w m Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY WMJ	DATE 5/24/96
		DRAWN BY JLR	DATE 5/24/96
		CHECKED BY WMJ	DATE 5/24/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

FUNCTIONS AND DETECTORS
UNIVERSITY BLVD./
RELOCATED GEORGE ROAD

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	10–11	

SUNTR11.DWG 1 = 1 5/24/96

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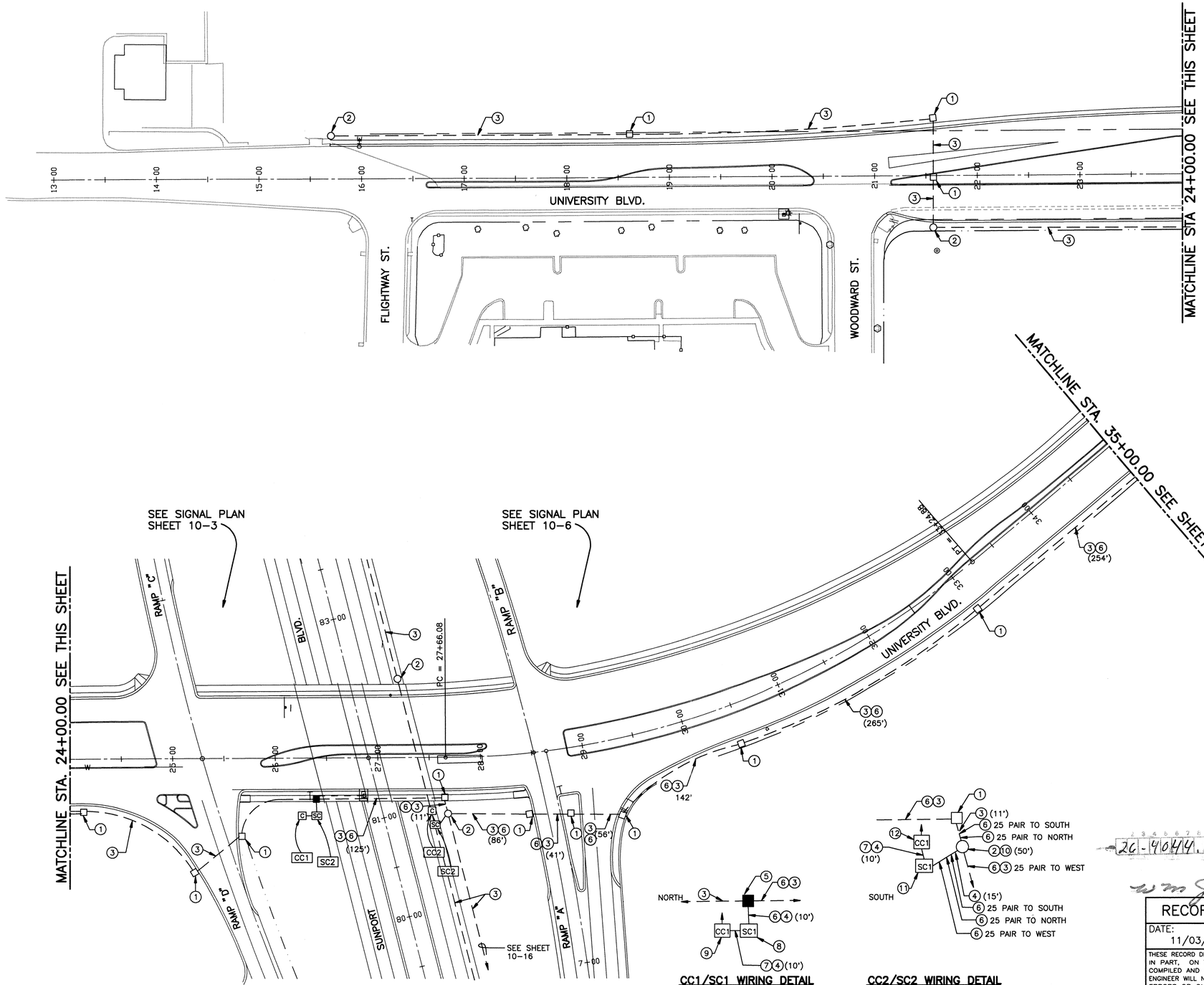

CC1/SC1 WIRING DETAIL
N.T.S

CC2/SC2 WIRING DETAIL
N.T.S

KEYED NOTES

1. EXISTING TRAFFIC SIGNAL PULL BOX – (STANDARD)
2. EXISTING TRAFFIC SIGNAL MANHOLE
3. EXISTING RIGID ELECTRICAL CONDUIT, 2"
4. INSTALLED NEW RIGID ELECTRICAL CONDUIT, 2"
5. INSTALLED NEW ELECTRICAL PULL BOX (STANDARD), INTERCEPTED, AND CONNECTED TO EXISTING CONDUIT.
6. PULLED NEW COMMUNICATION CABLE, 25 PAIR
7. PULLED NEW COMMUNICATION CABLE, 6 PAIR
8. INSTALLED NEW SPLICE CABINET SC1 ON NEW TYPE I STANDARD AND NEW FOUNDATION. CONNECTED NEW 25 PAIR COMMUNICATION CABLE FROM NEW CONTROLLER CABINET CC1.
8. INSTALLED NEW SPLICE CABINET SC1 ON NEW TYPE I STANDARD AND NEW FOUNDATION. CONNECTED NEW 25 PAIR COMMUNICATION CABLE FROM NEW CONTROLLER CABINET CC1.
9. CONNECTED NEW 6 PAIR COMMUNICATION CABLE FROM NEW SPLICE CABINET SC1 TO NEW CONTROLLER CABINET CC1.
10. COILED 45' OF COMMUNICATION CABLE IN MANHOLE (15' 25 PAIR SOUTH, 15' 25 PAIR NORTH, 15' 25 PAIR WEST)
11. INSTALLED NEW SPLICE CABINET SC2 ON NEW TYPE I STANDARD AND NEW FOUNDATION. CONNECTED NEW 25 PAIR COMMUNICATION CABLE FROM THE SOUTH. CONNECTED NEW 25 PAIR COMMUNICATION CABLE FROM THE WEST. CONNECTED NEW 6 PAIR COMMUNICATION CABLE FROM NEW CONTROLLER CABINET CC2.
12. CONNECTED NEW 6 PAIR COMMUNICATION CABLE FROM NEW SPLICE CABINET SC2 TO NEW CONTROLLER CABINET CC2.

GENERAL NOTES

1. SIGNAL EQUIPMENT LABELED AS 'EXISTING' IS TO BE INSTALLED BY PROJECT TPE-HDP-9253 (1).
2. SEE SHEET 10-16 FOR VIDEO DETECTION PLAN FOR SUNPORT BLVD.

0 50 100
1" = 50'
GRAPHIC SCALE

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY DATE
WORK COMPLETED DATE
ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (NEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL=5310.21

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY WMJ DATE 5/30/96	
		DRAWN BY JLR DATE 5/30/96	
		CHECKED BY WMJ DATE 5/30/96	

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

UNIVERSITY BLVD. INTERCONNECT PLAN STA. 13+00.00 TO STA. 24+00.00

2C-10414, 9/17/98

W M Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	10-12	

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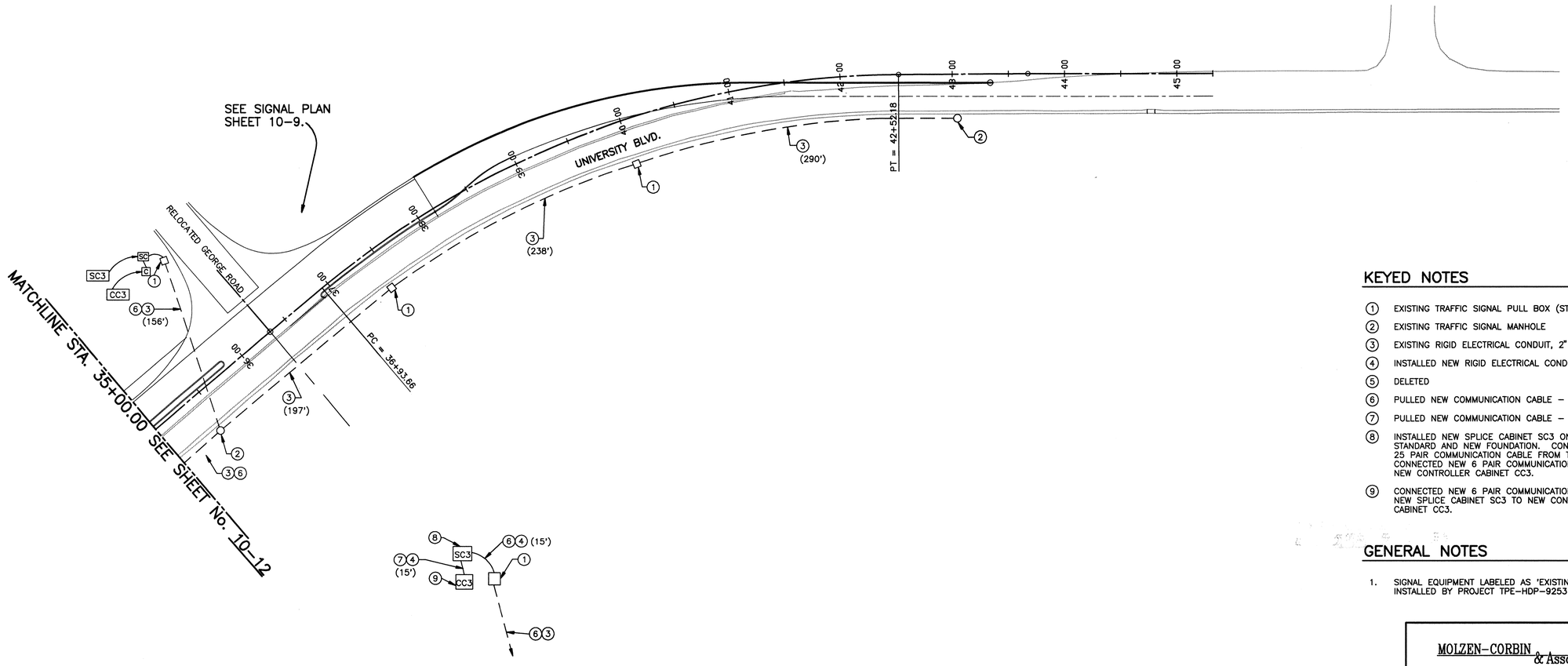
UNITERC1.DWG 1 = 50 5/30/96



CC3/SC3 WIRING DETAIL
N.T.S

KEYED NOTES

1. EXISTING TRAFFIC SIGNAL PULL BOX (STANDARD)
2. EXISTING TRAFFIC SIGNAL MANHOLE
3. EXISTING RIGID ELECTRICAL CONDUIT, 2"
4. INSTALLED NEW RIGID ELECTRICAL CONDUIT – 2"
5. DELETED
6. PULLED NEW COMMUNICATION CABLE – 25 PAIR
7. PULLED NEW COMMUNICATION CABLE – 6 PAIR
8. INSTALLED NEW SPLICE CABINET SC3 ON NEW TYPE I STANDARD AND NEW FOUNDATION. CONNECTED NEW 25 PAIR COMMUNICATION CABLE FROM THE NORTH. CONNECTED NEW 6 PAIR COMMUNICATION CABLE FROM NEW CONTROLLER CABINET CC3.
9. CONNECTED NEW 6 PAIR COMMUNICATION CABLE FROM NEW SPLICE CABINET SC3 TO NEW CONTROLLER CABINET CC3.

GENERAL NOTES

1. SIGNAL EQUIPMENT LABELED AS 'EXISTING' IS TO BE INSTALLED BY PROJECT TPE-HDP-9253 (1)

AS BUILT INFORMATION

CONTRACTOR
WORK STAKED BY — DATE
INSPECTED BY
ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 19.39", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY
		DESIGN	DESIGNED BY WMJ — DATE 5/24/96
			DRAWN BY JLR — DATE 5/24/96
			CHECKED BY WMJ — DATE 5/24/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

UNIVERSITY BLVD. INTERCONNECT PLAN
STA. 35+00.00 TO STA. 45+32.00

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 4044.91 — Zone Map No. M15&16 — Sheet 10-13 Of

24-90444.9117998

W M Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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UNITERC2.DWG 1 = 50 5/24/96

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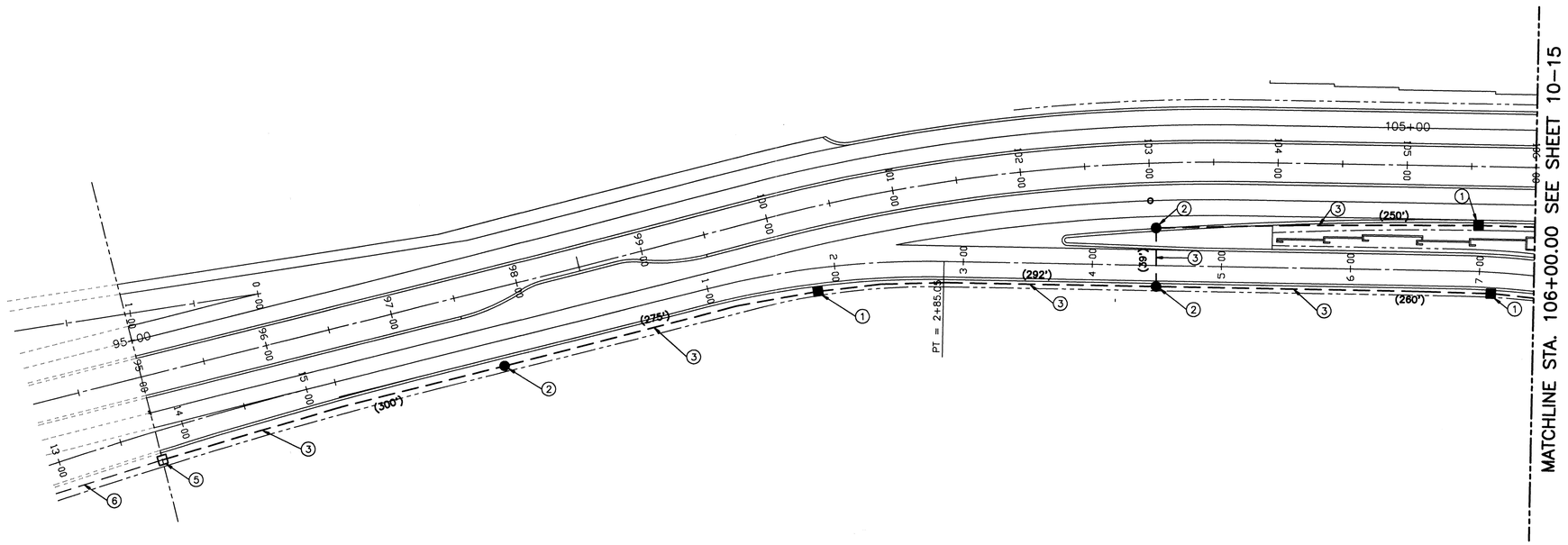

MATCHLINE STA. 106+00.00 SEE SHEET 10–15

KEYED NOTES

1. INSTALLED TRAFFIC SIGNAL PULL BOX, STANDARD SIZE.
2. INSTALLED TRAFFIC SIGNAL MANHOLE.
3. INSTALLED RIGID ELECTRICAL CONDUIT, 2".
4. INSTALLED 8'–0" STUBOUT, RIGID ELECTRICAL CONDUIT, 2". (FOR FUTURE EXTENSION)
5. EXISTING TRAFFIC SIGNAL PULL BOX.
6. EXISTING INTERCONNECT CONDUIT

1 2 3 4 5 6 7 8 9 10 11 12 13 14

26-4044.91/18698

0 50 100

1" = 50'
GRAPHIC SCALE

ENGINEER'S SEAL

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)

PROJECT: X=389231.63, Y=473027.84, EL=5310.21

AS BUILT INFORMATION

CONTRACTOR
STAKED BY — DATE
INSPECTORS
CHANGES BY — DATE
FIELD
VERIFICATION BY — DATE
MARKINGS
CORRECTED BY — DATE

MICRO–FILM INFORMATION

RECORDED BY — DATE
NO.

NO.	DATE	REMARKS
		REVISIONS
		DESIGN

DESIGNED BY	WMJ	DATE 5/24/96
DRAWN BY	JLR	DATE 5/24/96
CHECKED BY	WMJ	DATE 5/24/96

MOLZEN–CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BLVD. – PHASE II

SUNPORT BLVD. INTERCONNECT PLAN
STA. 95+00.00 TO STA. 106+00.00

W M Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT. THESE DRAWINGS WERE ORIGINALLY PREPARED IN CADD FORMAT AND APPROVED FOR CONSTRUCTION BY THE CITY ENGINEER ON 5/30/96. DRAWINGS INCLUDED IN THIS SET WHICH DO NOT HAVE ORIGINAL DRC SIGNATURES HAVE BEEN MODIFIED AND REPLOTTED FOR RECORD DRAWING PURPOSES.

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	10–14	

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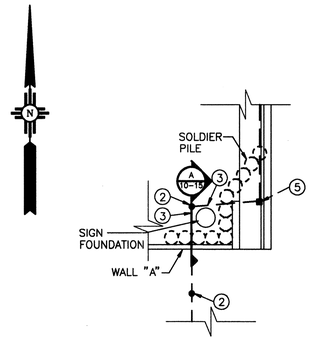
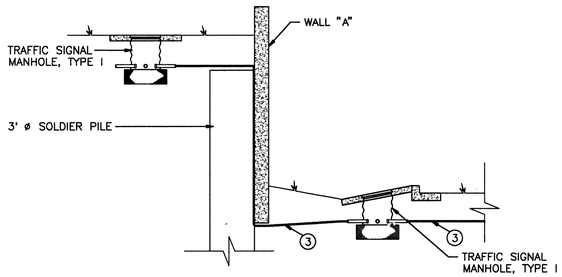
ESUNSTR1 1 = 50 5/24/96

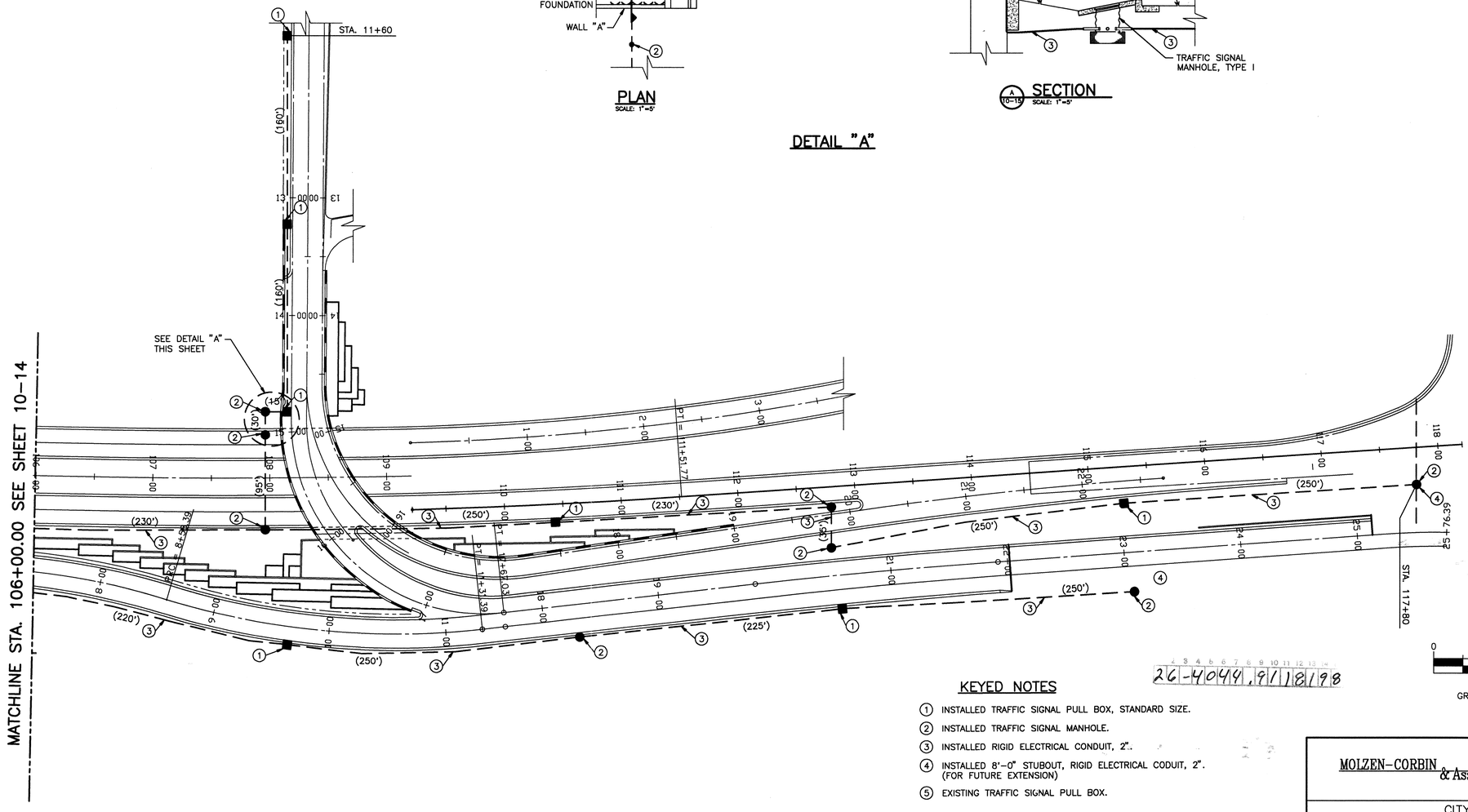


PLAN
SCALE: 1"=5'



A 10-15 SECTION
SCALE: 1"=5'

DETAIL "A"



KEYED NOTES

1. INSTALLED TRAFFIC SIGNAL PULL BOX, STANDARD SIZE.
2. INSTALLED TRAFFIC SIGNAL MANHOLE.
3. INSTALLED RIGID ELECTRICAL CONDUIT, 2".
4. INSTALLED 8'-0" STUBOUT, RIGID ELECTRICAL CODUIT, 2". (FOR FUTURE EXTENSION)
5. EXISTING TRAFFIC SIGNAL PULL BOX.

26-4099.9/1/18/98

wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

BENCH MARKS

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PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

AS BUILT INFORMATION

CONTRACTOR
STAKED BY — DATE
INSPECTOR'S FIELD STAKES BY — DATE
VERIFICATION BY — DATE
MARKINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY
DESIGN		DATE 5/24/96	
DESIGNED BY		WMJ	
DRAWN BY		JLR	DATE 5/24/96
CHECKED BY		WMJ	DATE 5/24/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

SUNPORT BLVD. INTERCONNECT PLAN STA. 106+00.00 TO E.O.P.

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	10-15	

ESUNSTR2 1 = 50 5/24/96

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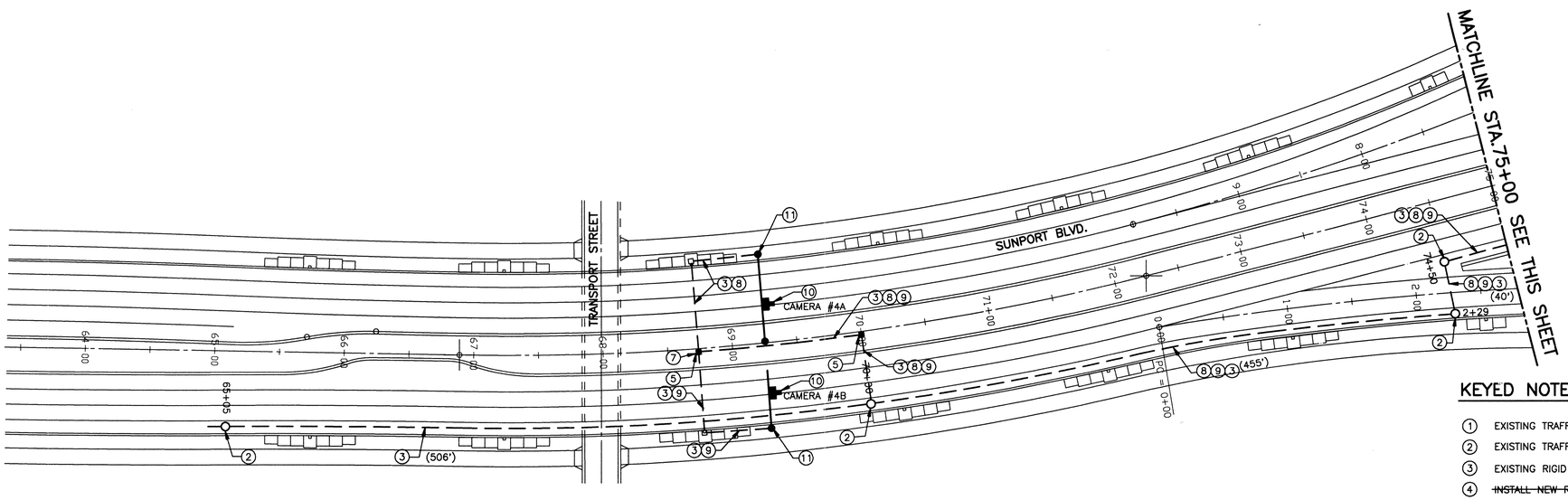

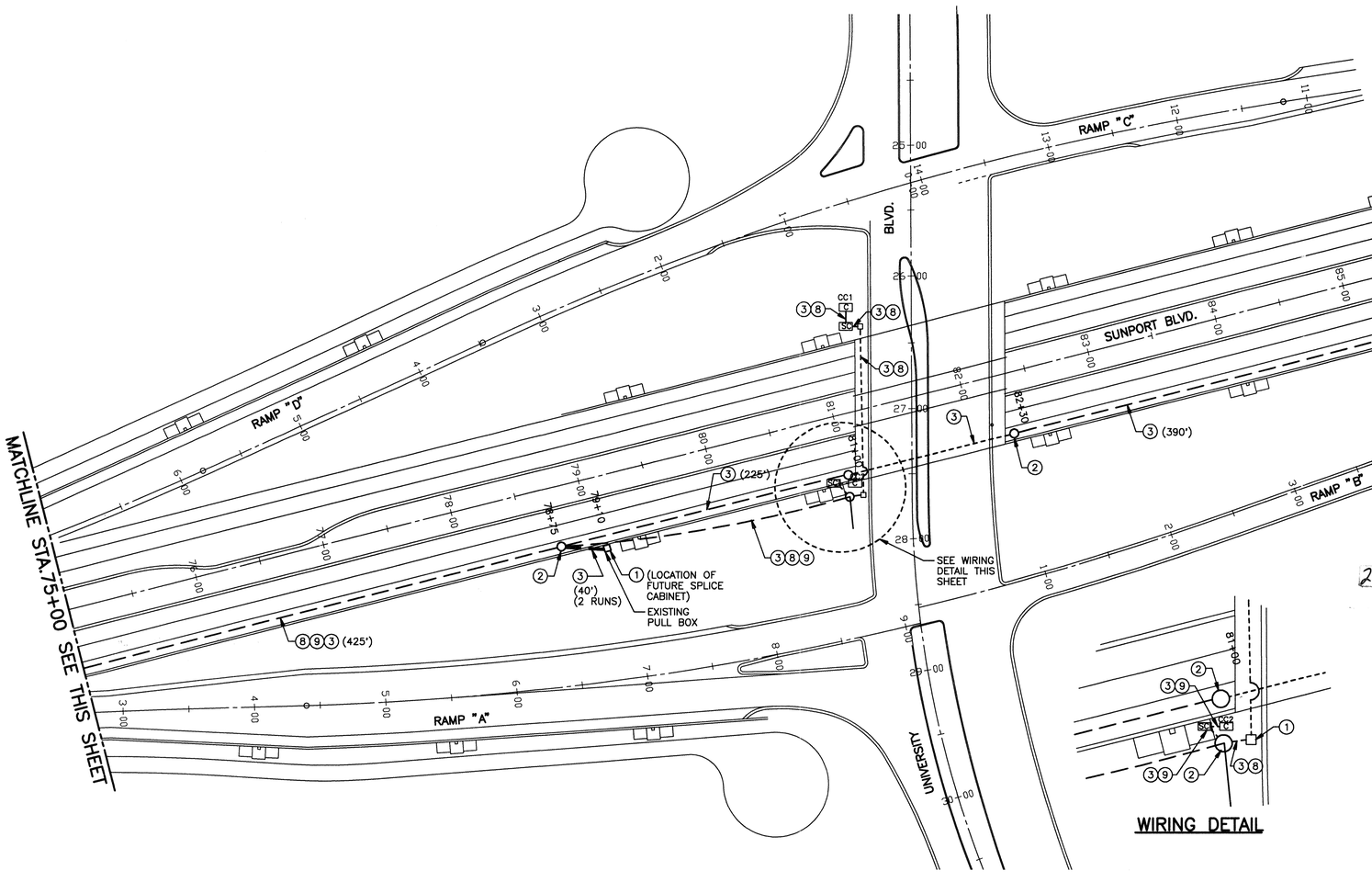

WIRING DETAIL

0 50 100
1" = 50'
GRAPHIC SCALE

KEYED NOTES

1. EXISTING TRAFFIC SIGNAL PULL BOX – (STANDARD SIZE).
2. EXISTING TRAFFIC SIGNAL MANHOLE.
3. EXISTING RIGID ELECTRICAL CONDUIT.
4. ~~INSTALL NEW RIGID ELECTRICAL CONDUIT – 3".~~
5. INSTALLED NEW ELECTRICAL PULL BOX – (STANDARD SIZE).
6. INTERCEPTED EXISTING INTERCONNECT CONDUIT.
7. INTERCEPTED EXISTING LIGHTING CONDUIT
8. PULLED NEW VIDEO COAXIAL CABLE AND VIDEO POWER CABLE FROM CC1 TO CAMERA #4A.
9. PULLED NEW VIDEO COAXIAL CABLE AND VIDEO POWER CABLE FROM CC2 TO CAMERA #4B.
10. INSTALLED NEW VIDEO CAMERA ON SIGN STRUCTURE.
11. EXISTING O.H. SIGN STRUCTURE @ STA. 69+20

GENERAL NOTES

1. EQUIPMENT LABELED AS "EXISTING" IS TO BE INSTALLED BY PROJECT TPE-HDP-9253(1).
2. CONTRACTOR SUBMITTED CAMERA MOUNTING DETAIL TO THE ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
3. CAMERA #4A WAS CONNECTED TO VIDEO INPUT #4 AT CC1. CAMERA #4B WAS CONNECTED TO VIDEO INPUT #4 AT CC2. CABLES WERE LABLED "CAMERA 4A WEST BOUND SUNPORT BLVD." "CAMERA 4B EAST BOUND SUNPORT BLVD."
4. CAMERA 4A WAS MOUNTED LOOKING EAST AND PROGRAMMED TO COUNT VEHICLES THAT ARE TRAVELING WEST BOUND. CAMERA 4B WAS MOUNTED LOOKING EAST AND PROJRAMMED TO COUNT VEHICLES TRAVELING EAST BOUND.

0 50 100
1" = 50'
GRAPHIC SCALE

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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26-4044.91 18298

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

SUNPORT BLVD. VIDEO DETECTION PLAN STA. 65+00 TO STA. 85+50

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	10	16

AS BUILT INFORMATION

NEW	CONTRACTOR	
	STAKED BY	DATE
	INSPECTOR'S ADDITIONS BY	DATE
	FIELD VERIFICATION BY	DATE
	DRAWING CORRECTED BY	DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

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ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY WMJ	DATE 5/24/96
		DRAWN BY JLR	DATE 5/24/96
		CHECKED BY WMJ	DATE 5/24/96

CABVIDET.DWG 1 = 50 5/24/96

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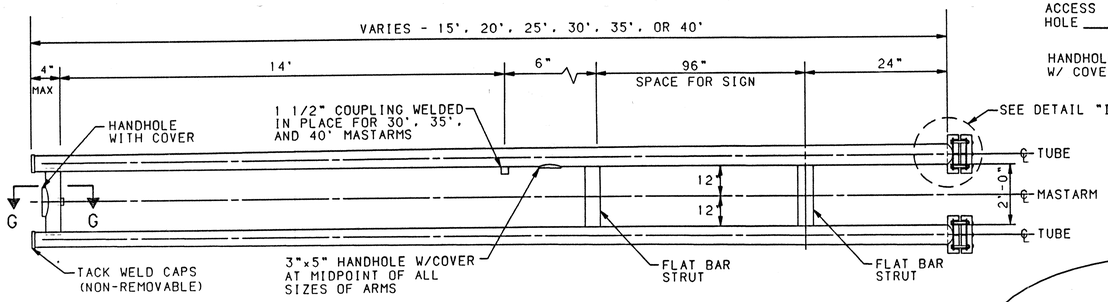
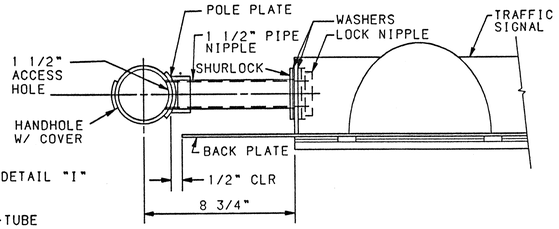
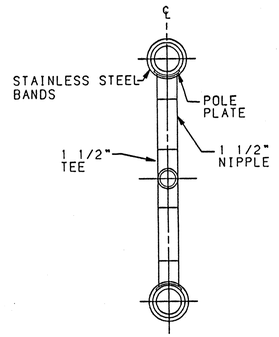


TYPICAL MASTARM DETAIL



SECTION C-C



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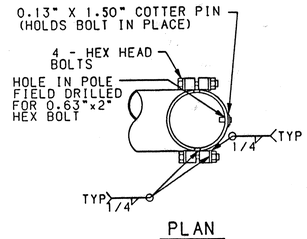
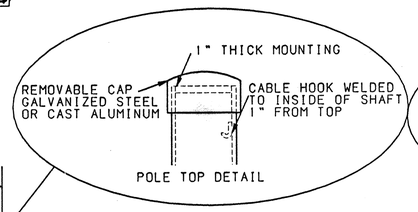
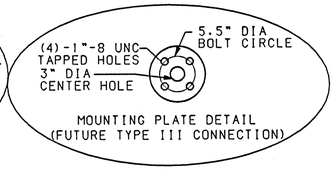
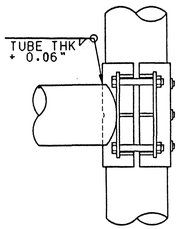


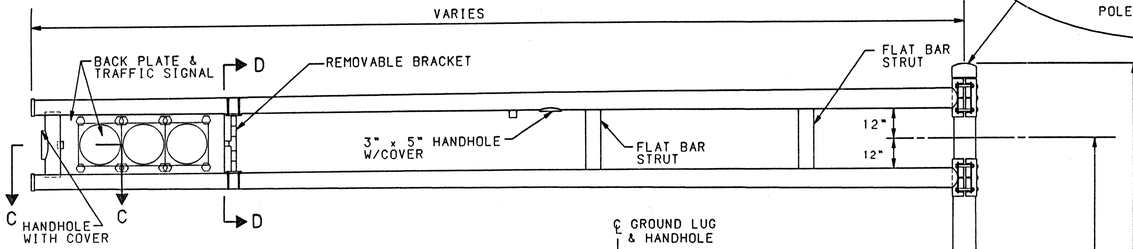
PLAN



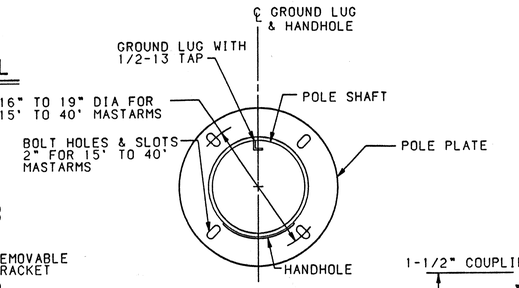




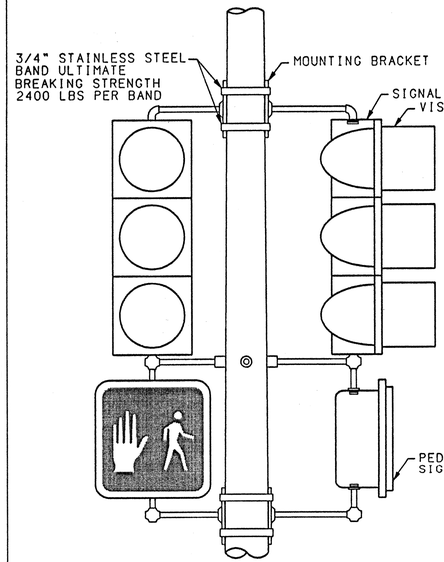
ELEVATION



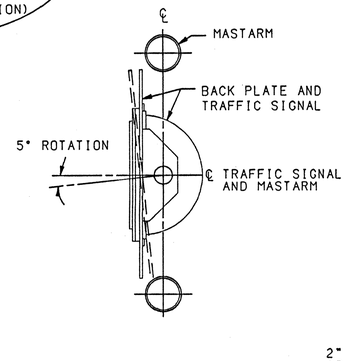
3-SECTION TRAFFIC SIGNAL



SECTION A-A



SECTION F-F



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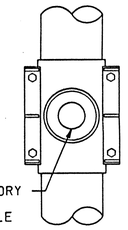
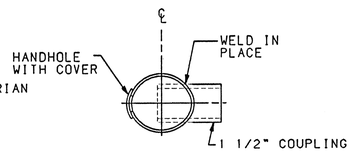


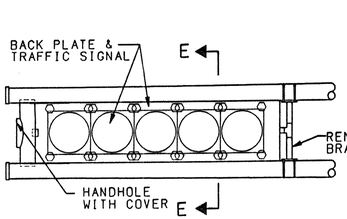
SECTION



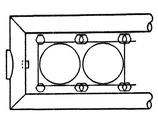
SECTION G-G

DETAIL I

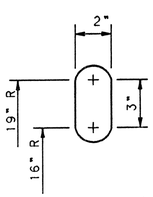
NOTE:
ONE SIZE ARM CLAMP FOR 15' TO 25' MASTARMS AND ONE SIZE FOR 30' TO 40' MASTARMS WILL BE ALLOWED



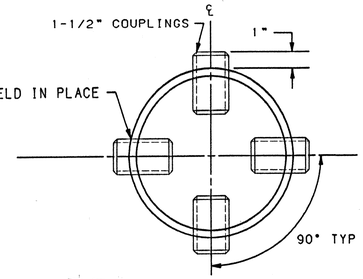
5-SECTION TRAFFIC SIGNAL



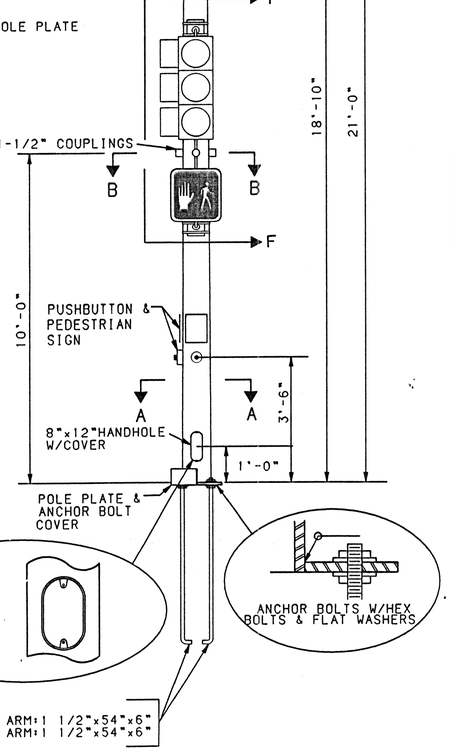
MITERED ARM END (OPTIONAL)

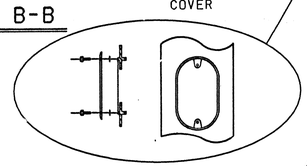


POLE PLATE SLOT DETAIL



SECTION B-B





ANCHOR BOLTS
15', 20', 25' ARM: 1 1/2"x54"x6"
30', 35', 40' ARM: 1 1/2"x54"x6"

wm Jones P.E.

RECORD DRAWING	
DATE: 11/03/97	DRAFTED BY: O.V.

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TRAFFIC SIGNAL MASTARM NOTES

1. DESIGN IN ACCORDANCE WITH 1985 AASHTO SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINARIES, AND TRAFFIC SIGNALS FOR AN 80 MPH WIND ZONE.
2. POLES AND MASTARM SHAFTS SHALL CONFORM TO ASTM A-595 GRADE A (MIN YIELD 55 KSI).
3. BASE PLATE AND SIGNAL ARM CLAMP SHALL BE ASTM A-36 (MIN YIELD 36 KSI).
4. ANCHOR BOLTS SHALL BE ASTM A-36 MOD 55 (MIN. YIELD 55 KSI).
5. SIGNAL ARM CONNECTING BOLTS SHALL BE ASTM A-325.
6. WELDING SHALL CONFORM TO THE REQUIREMENTS OF THE AMERICAN WELDING SOCIETY SPECIFICATION AWS D1.1. LATEST EDITION. ALL WELDS SHALL BE FREE FROM CRACKS, EXCESSIVE UNDERCUT, AND POROSITY. ANY WELDING DEFECTS SHALL BE REPAIRED BY REMOVING THE DEFECTIVE MATERIAL AND REPLACING IT WITH SOUND WELD MATERIAL.
7. ALL HOLES SHALL BE DRILLED AND DEBURRED.
8. ALL POLES, MASTARMS, AND BOLTS SHALL BE GALVANIZED TO ASTM A-123 AND A-153.
9. MASTARMS SHALL BE MARKED TO DESCRIBE WHICH IS TOP AND WHICH IS BOTTOM. POLE PLATE COVERS SHALL BE MARKED IN MATED PAIRS. POLE SHAFTS SHALL BE MARKED "ALB" "15-25" OR "30-40", AND DATE OF FABRICATION (MONTH/YEAR).

26-4044.91/18398

APPROVED — DESIGN REVIEW COMMITTEE

APPROVED — CITY ENGINEER

CITY OF ALBUQUERQUE
PUBLIC WORKS
ENGINEERING

TITLE: TRAFFIC SIGNAL MASTARM DETAILS
TYPE II STANDARD
GALVANIZED STEEL

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY			TRAF. OPER.		

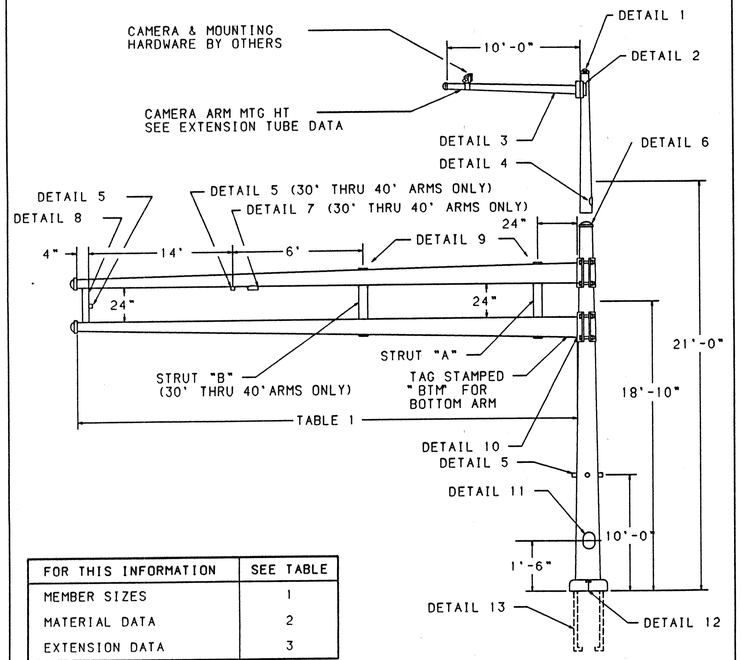
DRAWING NO. 4044.91 | MAP NO. M-15&16 | SHEET 10-16A OF

AS-BUILT INFORMATION
BENCH MARKS
SURVEY INFORMATION
FIELD NOTES
NO. BY DATE
CONTRACTOR
WORK STARTED ON
WORK ACCEPTANCE ON
FIELD INSPECTION BY
DRAWINGS SUBMITTED BY
MICRO-FILM INFORMATION
RECORDED BY
NO.
ENGINEER'S SEAL

REVISIONS

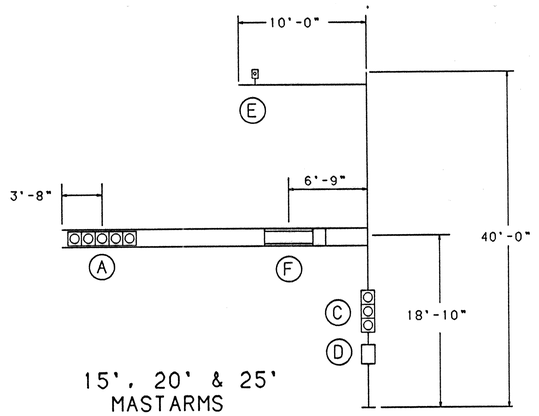
NO.	DATE	REMARKS	BY
		DESIGN	DESIGNED BY BHI/COA DATE 2-94
			DRAWN BY BHI/COA DATE 2-94
			CHECKED BY BHI/COA DATE 2-94

TRAN4\CTTOVHD.CITY3COAT2HADETGS.GRF

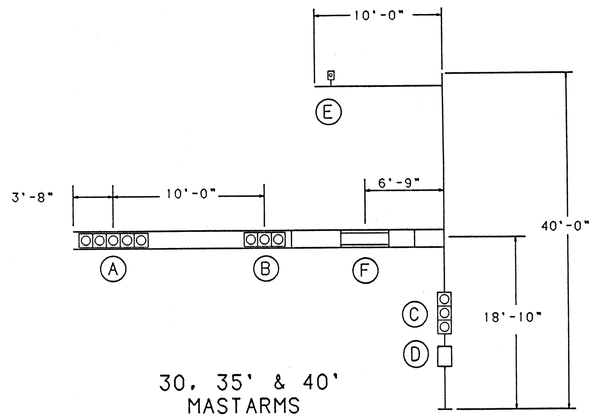


FOR THIS INFORMATION	SEE TABLE
MEMBER SIZES	1
MATERIAL DATA	2
EXTENSION DATA	3

ALBUQUERQUE, NM POLE SERIES



15', 20' & 25' MASTARMS



30, 35' & 40' MASTARMS

DEVICE	DESCRIPTION	PROJ AREA (FT^2)	WEIGHT (LBS)
A	12"-5 SEC. SIGNAL WITH BACKPLATE	13.33	75
B	12"-3 SEC. SIGNAL WITH BACKPLATE	8.67	50
C	DUAL 12"-3 SEC. SIGNAL WITHOUT BACKPLATES	8.20	100
D	DUAL PEDESTRIAN SIGNAL	3.00	60
E	VIDEO CAMERA	1.00 EPA	35
F	FREE SWINGING STREET NAME -96" X 16"	3.00 EPA	35

DESIGN CRITERIA:

1985 AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS.

WIND VELOCITY:

80 MPH ISOTACH

LOADING INFORMATION

TABLE 1: POLE AND MASTARM SCHEDULE

DESIGNATION (SEE EXAMPLE ABOVE)				POLE DATA				BASE PLATE DATA				ANCHOR BOLT DATA				MASTARM DATA				ARM ATTACHMENT DATA				
POLE SERIES	POLE TYPE	SIGNAL ARM SPAN (FT)	CAMERA MOUNTING HEIGHT 0=NO CAMERA	BASE DIA	TOP DIA	LENGTH	GA	CIRCLE "C"	THK "G"	BC RANGE BC1	BC RANGE BC2	BOLT CIRCLE	DIAMETER "K"	LENGTH "J"	HOOK "H"	FIXED END DIA	FREE END DIA	GA	LENGTH (FT)	"A"	"B"	"C"	"D"	"E"
ALB	2	15	0, 30, 35, 40	10.00"	7.06"	21'-0"	7	23.00"	1.50"	16.00"	19.00"	16.00"	1.50"	54"	6"	5.80"	3.70"	11	15	7.25"	9.44"	10.81"	10.38"	1.00"-8UNC X 8.00"
ALB	2	20	0, 30, 35, 40	10.00"	7.06"	21'-0"	7	23.00"	1.50"	16.00"	19.00"	16.00"	1.50"	54"	6"	6.50"	3.70"	11	20	7.25"	9.44"	10.81"	10.38"	1.00"-8UNC X 8.00"
ALB	2	25	C, 30, 35, 40	10.00"	7.06"	21'-0"	7	23.00"	1.50"	16.00"	19.00"	16.00"	1.50"	54"	6"	7.00"	3.50"	11	25	7.25"	9.44"	10.81"	10.38"	1.00"-8UNC X 8.00"
ALB	2	30	0, 30, 35, 40	12.00"	9.06"	21'-0"	5	23.00"	1.50"	16.00"	19.00"	16.00"	1.50"	54"	6"	7.72"	3.52"	7	30	9.25"	11.44"	13.81"	12.38"	1.00"-8UNC X 9.00"
ALB	2	35	0, 30, 35, 40	12.00"	9.06"	21'-0"	5	23.00"	1.50"	16.00"	19.00"	16.00"	1.50"	54"	6"	8.30"	3.40"	7	35	9.25"	11.44"	13.81"	12.38"	1.00"-8UNC X 9.00"
ALB	2	40	0, 30, 35, 40	12.00"	9.06"	21'-0"	5	23.00"	1.50"	16.00"	19.00"	16.00"	1.50"	54"	6"	9.00"	3.40"	7	40	9.25"	11.44"	13.81"	12.38"	1.00"-8UNC X 9.00"

TABLE 2: MATERIAL DATA

COMPONENT	ASTM DESIGNATION	MIN. YIELD (KSI)	COMPONENT	ASTM DESIGNATION	MIN YIELD (KSI)
POLE TUBE	A595 GR A	55	SIGNAL ARM CLAMP	A36	36
BASE PLATE	A36	36	SIGNAL ARM CONN BOLTS	A325*	
MAST ARM TUBE	A595 GR A	55	CAMERA ARM PLATES	A36	36
CAMERA ARM TUBE	A595 GR A	55	GALVANIZING	A123 & A153	
POLE EXTENSION	A595 GR A	55			

ANCHOR BOLTS AASHTO M314 GR. 55

* LUBRICATE IN FIELD IF NECESSARY IN LIEU OF THE REQUIREMENT IN A325

TABLE 3: EXTENSION TUBE DATA

MASTARM LENGTH (FT)	CAMERA MTG HT (FT)	EXTENSION TUBE BASE DIA	EXTENSION TUBE TOP DIA	EXTENSION TUBE LENGTH (FT)	EXTENSION TUBE GAUGE
15-20	30	7.00	5.74	9.0	11
	35	7.00	5.04	14.0	11
	40	7.00	4.34	19.0	11
30-40	30	9.00	7.74	9.0	11
	35	9.00	7.04	14.0	11
	40	9.00	6.34	19.0	11

ALB - 3 - 25 - 40

- CAMERA MOUNTING HEIGHT (0,30',35',OR 40')
- SIGNAL ARM SPAN (15',20',25',30',35',40')
- POLE TYPE
- ALBUQUERQUE POLE SERIES (ALB)

DESIGNATION EXAMPLE **

** POLE SHAFTS SHALL BE MARKED "ALB" "15-25" OR "30-40", AND DATE OF FABRICATION (MONTH/YEAR).

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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24-40144.9/1/18498

APPROVED MAY 30 1996 DEVELOPMENT REVIEW COMMITTEE

APPROVED CITY ENGINEER

CITY OF ALBUQUERQUE
PUBLIC WORKS
ENGINEERING

TITLE: TRAFFIC SIGNAL MASTARM DETAILS
TYPE III MASTARM DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY			TRAF. OPER.		

DRAWING NO. 4044.91 | MAP NO. M-15&16 | SHEET 10 OF 17

AS-BUILT INFORMATION
CONTRACTOR — DATE
WORK STARTED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
VERIFICATION BY — DATE
DRAWINGS COMPLETED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

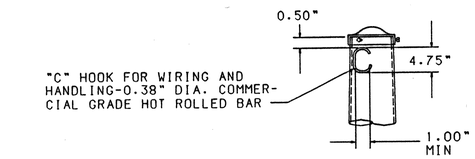
BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

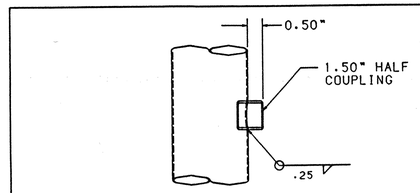
ENGINEER'S SEAL

REVISIONS
NO. | DATE | REMARKS | BY
DESIGN — DATE 2-94 — DESIGNED BY BHI/COA
DRAWN BY BHI/COA — DATE 2-94
CHECKED BY BHI/COA — DATE 2-94

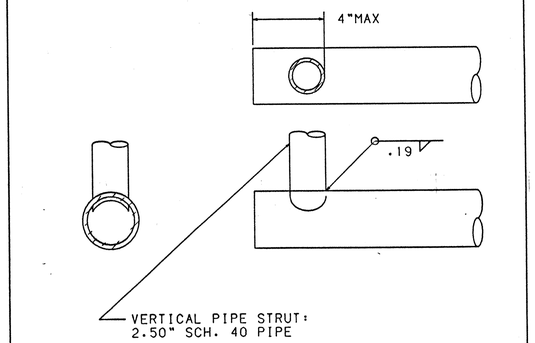
TRAN4+ETTOVHD.CITY3COAT3HADETGS.GRF



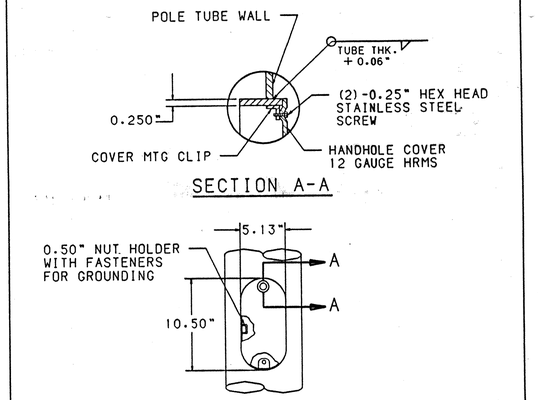
DETAIL 1 | POLE TOP



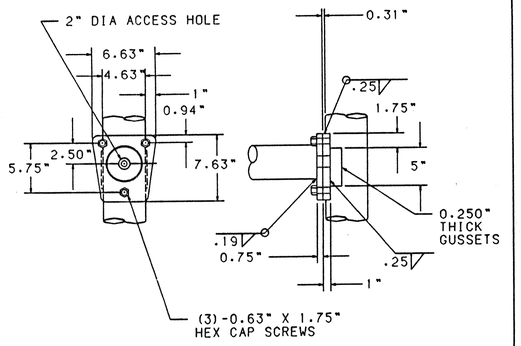
DETAIL 5 | POLE COUPLING



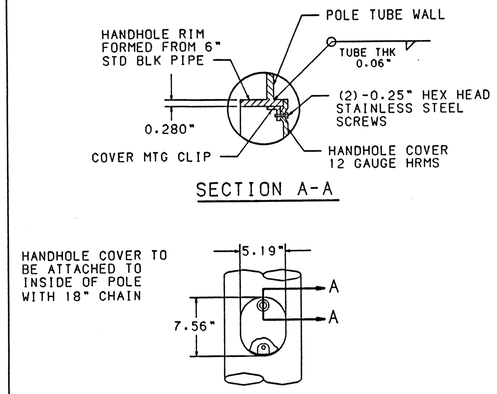
DETAIL 8 | END PIPE STRUT



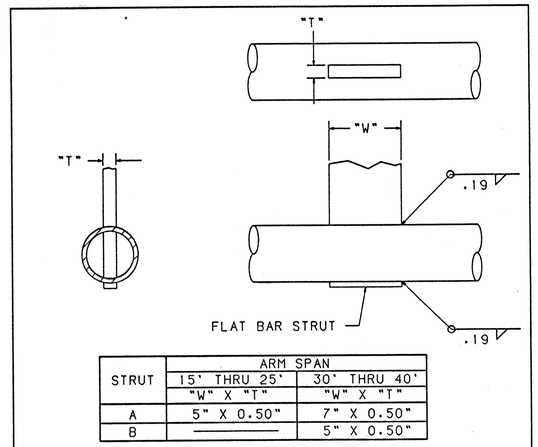
DETAIL 11 | HANDHOLE



DETAIL 2 | CAMERA ARM ATTACHMENT

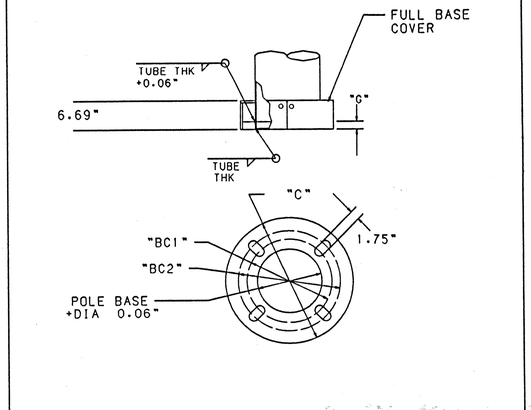


DETAIL 6 | EXTENSION HANDHOLE

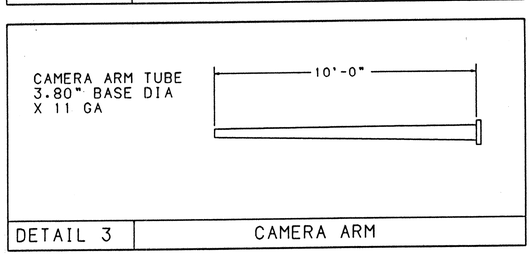


STRUT	ARM SPAN	
	15' THRU 25'	30' THRU 40'
	"W" X "T"	"W" X "T"
A	5" X 0.50"	7" X 0.50"
B	———	5" X 0.50"

DETAIL 9 | MID BAR STRUT



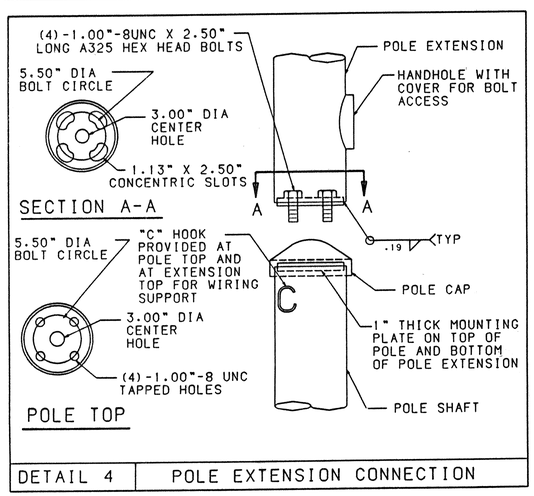
DETAIL 12 | POLE BASE



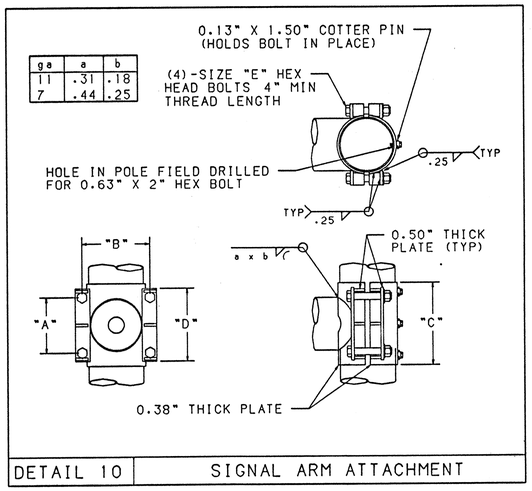
DETAIL 3 | CAMERA ARM

SEE DETAIL 6

DETAIL 7 | HANDHOLE

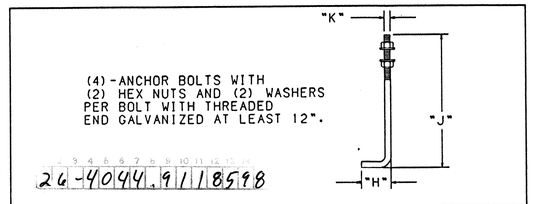


DETAIL 4 | POLE EXTENSION CONNECTION



ga	a	b
11	.31	.18
7	.44	.25

DETAIL 10 | SIGNAL ARM ATTACHMENT



DETAIL 13 | ANCHOR BOLT

RECORD DRAWING

DATE: 11/03/97 | DRAFTED BY: O.V.

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Wm Jones P.E.

APPROVED MAY 30 1996 DESIGN REVIEW COMMITTEE

APPROVED CITY ENGINEER

AS-BUILT INFORMATION

CONTRACTOR — DATE
SURVEYED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
AS-BUILT VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

BENCH MARKS

SURVEY INFORMATION

NO.	FIELD NOTES BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY BHI/COA	DATE 2-94
		DRAWN BY BHI/COA	DATE 2-94
		CHECKED BY BHI/COA	DATE 2-94

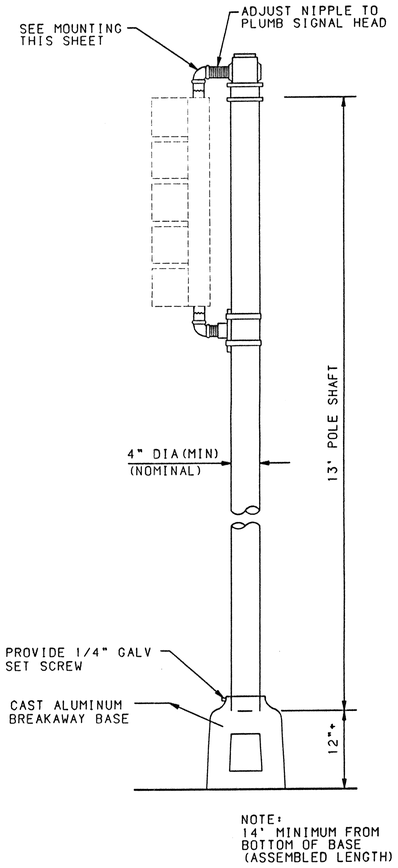
CITY OF ALBUQUERQUE
PUBLIC WORKS ENGINEERING

TITLE: TRAFFIC SIGNAL MASTARM DETAILS
TYPE III STANDARD
MISCELLANEOUS DETAILS

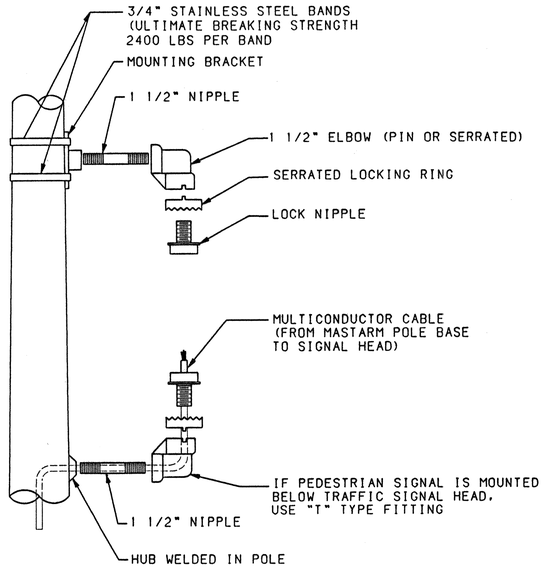
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY			TRAF. OPER.		

DRAWING NO. 4044.91 | MAP NO. M-15&16 | SHEET 10 OF 18

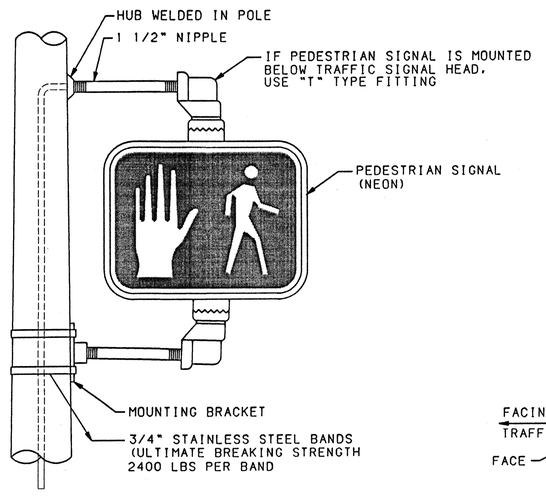
TRAN4:[TTOVHD.CITY]COAT3MISCDET.GRF



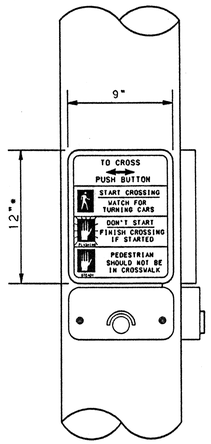
MOUNTING DETAIL

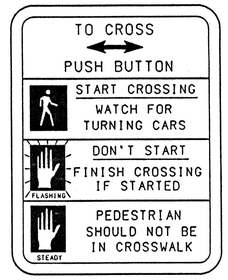


MOUNTING DETAIL
(SIDE OF SHAFT)



PEDESTRIAN SIGNAL

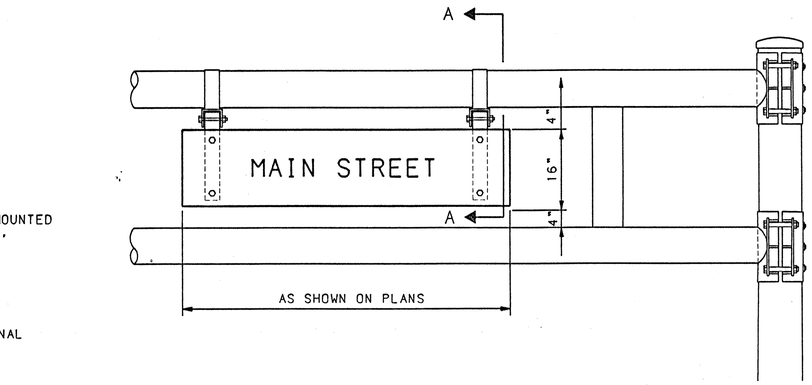


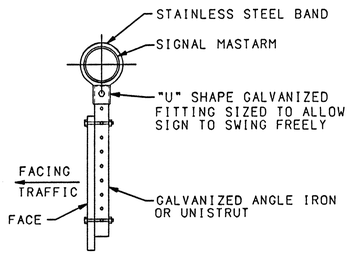


COA 12-1LR

*STYLE
MOUNTING TYPE

PEDESTRIAN PUSH BUTTON DETAIL





SECTION "A-A"

NOTES:

1. STREET NAMES SIGNS REQUIRED AS SHOWN ON SIGNAL PLAN SHEETS.
2. SIGN SHALL BE 16" WIDE WITH 8" SERIES "C" LETTERS UP TO 12 SQUARE FEET TOTAL AREA AND SHALL HAVE HIGH INTENSITY REFLECTIVE LEGEND, BORDER AND BACKGROUND COLORS: WHITE ON GREEN. SIGN PANELS SHALL BE SINGLE SHEET 6061-T6 ALUMINUM .120 MINIMUM THICKNESS.

STREET NAME SIGN DETAIL

AS-BUILT INFORMATION
CONTRACTOR — DATE
WORK DONE BY — DATE
INSPECTION'S ACCEPTANCE BY — DATE
VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

Wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	DATE 2-94
		DESIGNED BY BHI/CDA	DATE 2-94
		DRAWN BY BHI/CDA	DATE 2-94
		CHECKED BY BHI/CDA	

APPROVED
MAY 30 1997
DESIGN REVIEW COMMITTEE

APPROVED
CITY ENGINEER

CITY OF ALBUQUERQUE
PUBLIC WORKS
ENGINEERING

TITLE: TRAFFIC SIGNAL
MISCELLANEOUS DETAILS-GALVANIZED STEEL

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY			TRAF. OPER.		

DRAWING NO. 4044.91 | MAP NO. M-15&16 | SHEET 10 OF 19

24-4044.9118698

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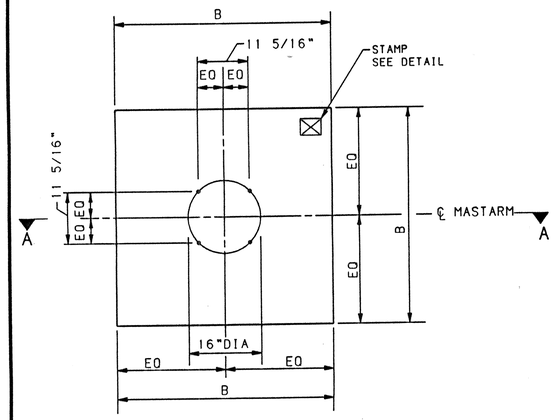
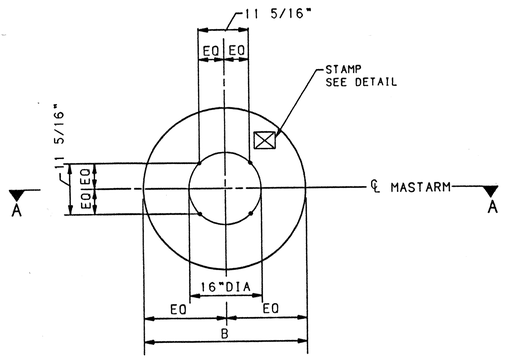


PLAN VIEW (SQUARE)
NO SCALE



PLAN VIEW (ROUND)
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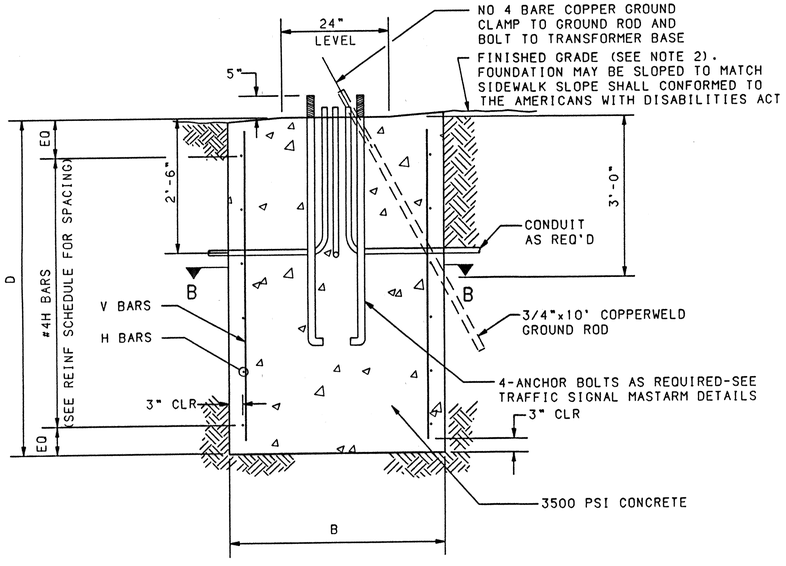
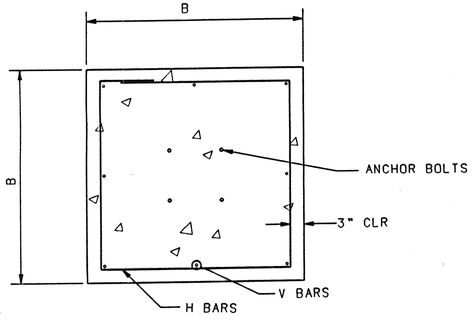
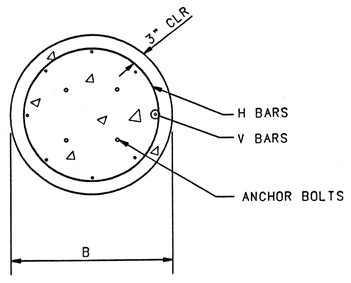


SECTION A-A (ROUND OR SQUARE)
NO SCALE



SECTION B-B (SQUARE)
NO SCALE



SECTION B-B (ROUND)
NO SCALE

TRAFFIC SIGNAL MASTARM FOUNDATION NOTES

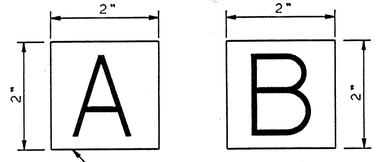
1. REFER TO THE PLANS FOR LOCATIONS OF TRAFIC SIGNAL MASTARM FOUNDATIONS.
2. FINISHED GRADE FOR THE FOUNDATIONS SHALL BE ESTABLISHED IN THE FIELD BY THE PROJECT MANAGER.
3. THE FOUNDATIONS SHOWN HERE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT REVISION.
4. CONCRETE SHALL BE 3500 PSI FOR EXTERIOR STRUCTURES. REFER TO TABLE 101.C OF THE SPECIFICATIONS.
5. REINFORCING STEEL SHALL CONFORM TO ASTM A-615 GRADE 60.
6. THE TOP 6 INCHES OF THE FOUNDATION PEDESTAL SHALL BE FORMED TO THE DIMENSIONS SHOWN ON THIS SHEET TO FORM NEAT LINES. CONCRETE BELOW 6 LINES MAY BE CAST AGAINST THE EARTH.
7. THE CONCRETE SHALL GAIN 80% OF THE DESIGN STRENGTH PRIOR TO INSTALLING THE TRAFFIC SIGNAL MASTARM.
8. ALL FOUNDATIONS SHALL INCLUDE COPPERWELD GROUND RODS. ALL GROUND RODS SHALL BE 3/4" DIA X 10'-0" AND WILL BE CONSIDERED INCIDENTAL TO THE FOUNDATIONS BID ITEMS.
9. ALL FOUNDATIONS SHALL BE STAMPED EITHER "A" OR "B" TO SHOW TYPE CONSTRUCTED (SEE STAMP DETAIL).

FOUNDATION DIMENSIONS AND QUANTITIES

FOUNDATION TYPE	SIGNAL ARM SPAN (FT)	DIMENSION B (WIDTH)	DIMENSION D (DEPTH)	REINFORCING V BARS MARK	REINFORCING H BARS MARK	REBAR POUNDS	3500 PSI CONCRETE CUBIC YARDS	NOTES
TYPE A (SQUARE)	15	3'-6"	5'-0"	#4V2	#3H2	49.1	2.27	
	20	"	"	"	"		"	
	25	"	"	"	"		"	
TYPE B (SQUARE)	30	4'-0"	6'-3"	#5V1	#3H1	82.6	3.70	
	35	"	"	"	"		"	
	40	"	"	"	"		"	
TYPE A (ROUND)	15	2'-6"	8'-6"	#6V4	#3H4	98.1	1.55	ROUND SHAPE TO BE USED ONLY WHERE SPECIFICALLY NOTED ON PLANS OR WHEN APPROVED BY THE PROJECT MANAGER.
	20	"	"	"	"		"	
	25	"	"	"	"		"	
TYPE B (ROUND)	30	3'-0"	11'-9"	#7V3	#3H3	179.7	3.08	
	35	"	"	"	"		"	
	40	"	"	"	"		"	

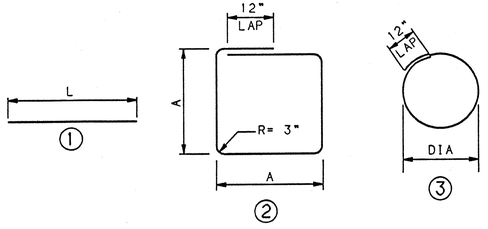
REINFORCING SCHEDULE (GRADE 60 BARS)

MARK	QUANT	TYPE	SIZE	LENGTH	COMMENTS
#5V1	8	1	5	5'-9"	
#4V2	8	1	4	4'-6"	
#7V3	6	1	7	11'-3"	
#6V4	6	1	6	8'-0"	
#3H1	6	2	3	15'-4"	A = 42",TIES AT 14" OC
#3H2	5	2	3	13'-4"	A = 36",TIES AT 12" OC
#3H3	12	3	3	9'-3"	DIA = 30",TIES AT 12" OC
#3H4	9	3	3	7'-8"	DIA = 24",TIES AT 12" OC



STAMP CONCRETE 1/4" DEEP
TO MATCH FOUNDATION SIZE

STAMP DETAIL
NO SCALE



BAR BENDING DIAGRAM

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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APPROVED
MAY 30 1996
DESIGN REVIEW COMMITTEE

APPROVED
CITY ENGINEER

AS-BUILT INFORMATION
CONTRACTOR — DATE
WORK STAKED BY — DATE
INSPECTION BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CONNECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

SURVEY INFORMATION
BENCH MARKS
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	DATE 2-94
		DESIGNED BY BHI/COA	DATE 2-94
		DRAWN BY BHI/COA	DATE 2-94
		CHECKED BY BHI/COA	

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

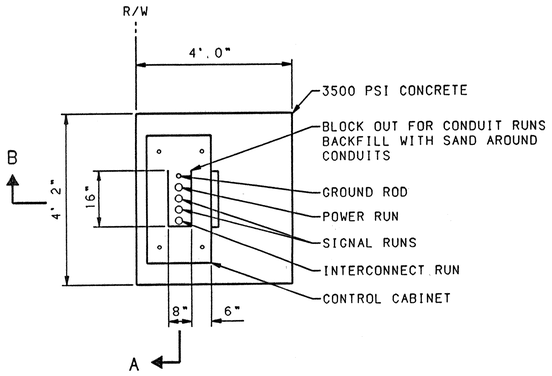
TITLE: TRAFFIC SIGNAL MASTARM DETAILS
FOUNDATION DETAILS
TYPE II AND TYPE III STANDARDS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY			TRAF. OPER.		

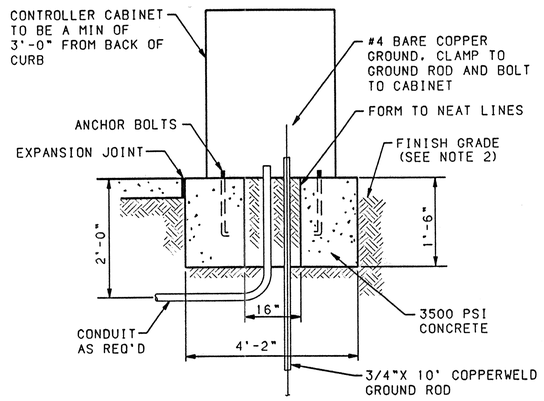
DRAWING NO. 4044.91 | MAP NO. M-15&16 | SHEET OF 10-20

2C-4044.91/18798

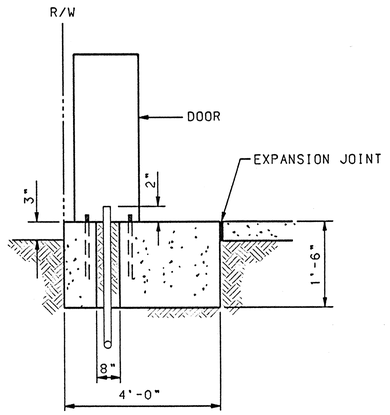
TRAN4:CITOVHD.CITY)COASIGFND.GRF



PLAN



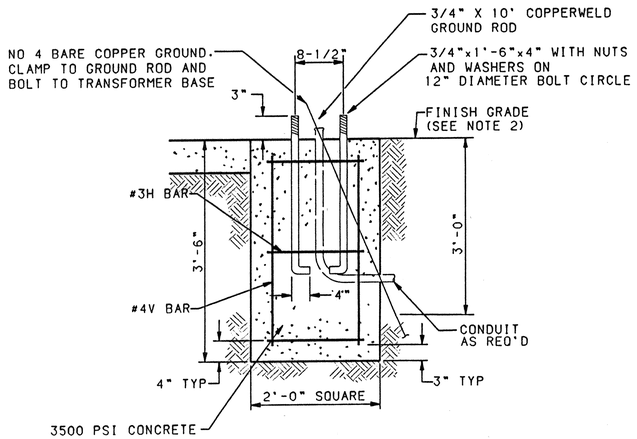
SECTION A

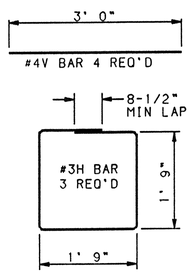


SECTION B

CONTROLLER FOUNDATION DETAIL

IN THE EVENT THE SUPPLIED CABINET WOULD OVERLAP THE SIDES OF ABOVE FOUNDATION. THE FOUNDATION SHALL BE INCREASED IN SIZE AS DIRECTED BY THE ENGINEER.





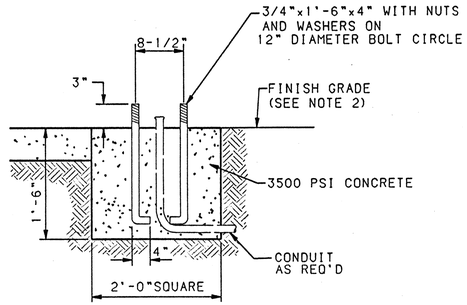
REINFORCING STEEL

PEDESTAL FOUNDATION DETAIL

ESTIMATED QUANTITIES

FOUNDATION TYPE	3500 PSI CONCRETE CU YD	REINFORCING BARS POUNDS
PEDESTAL FOUNDATION	0.52	17
CONTROLLER FOUNDATION (TYPE M & P)	0.88	--
SPLICE CABINET FOUNDATION	0.13	--

(FOR CONTRACTORS INFORMATION ONLY)



SPLICE CABINET FOUNDATION DETAIL

TRAFFIC SIGNAL FOUNDATION NOTES

1. ALL FOUNDATIONS SHALL INCLUDE COPPERWELD GROUND RODS. ALL GROUND RODS SHALL BE 3/4" Øx10'-0" AND WILL BE CONSIDERED INCIDENTAL TO THE FOUNDATION BID ITEMS.
2. FINISHED GRADE FOR ALL FOUNDATIONS TO BE DETERMINED IN THE FIELD BY THE PROJECT ENGINEER. FOUNDATIONS MAY BE SLOPED TO MATCH SIDEWALKS. SLOPES SHALL CONFORM TO THE AMERICANS WITH DISABILITIES ACT REQUIREMENTS.

Wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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2 3 4 5 6 7 8 9 10 11 12 13 14 15
2G-4044.91 188918

APPROVED MAY 30 1996 DESIGN REVIEW COMMITTEE

APPROVED CITY ENGINEER

AS-BUILT INFORMATION
BENCH MARKS
SURVEY INFORMATION
FIELD NOTES
NO. BY DATE
ENGINEER'S SEAL
CONTRACTOR DATE
STAKED BY DATE
INSPECTION'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
CONNECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY BHI/COA	DATE 2-94
		DRAWN BY BHI/COA	DATE 2-94
		CHECKED BY BHI/COA	DATE 2-94

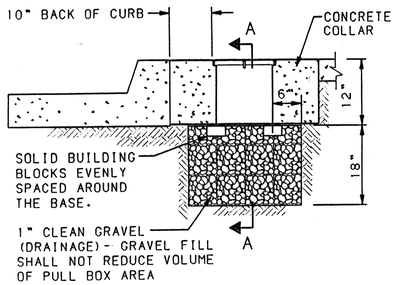
CITY OF ALBUQUERQUE
PUBLIC WORKS
ENGINEERING

TITLE: TRAFFIC SIGNAL CONTROLLER CABINET & PEDESTAL FOUNDATION DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY			TRAF. OPER.		

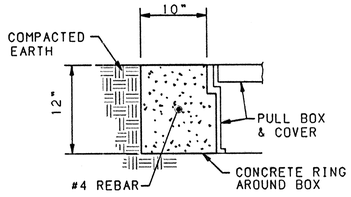
DRAWING NO. 4044.91 | MAP NO. M-15&16 | SHEET 10 OF 21

TRAN4•CTTOVHD.CITY3COAPEDCONFD.GRF

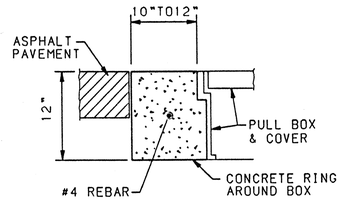


TYPICAL PULLBOX INSTALLATION

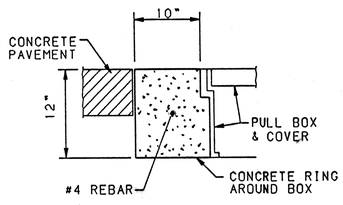
NOTE: SEE "CONCRETE COLLAR DETAILS"



IN COMPACTED EARTH



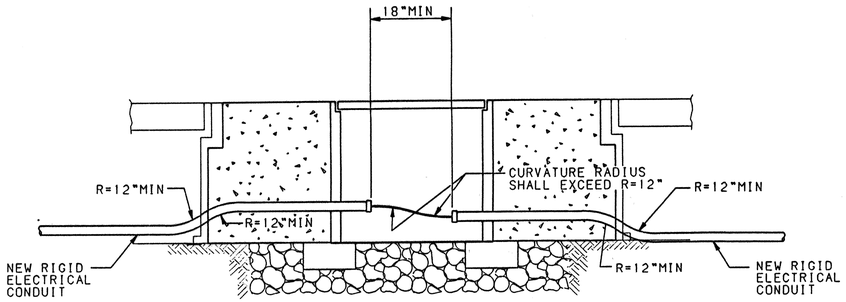
IN ASPHALT PAVEMENTS



IN CONCRETE PAVEMENTS

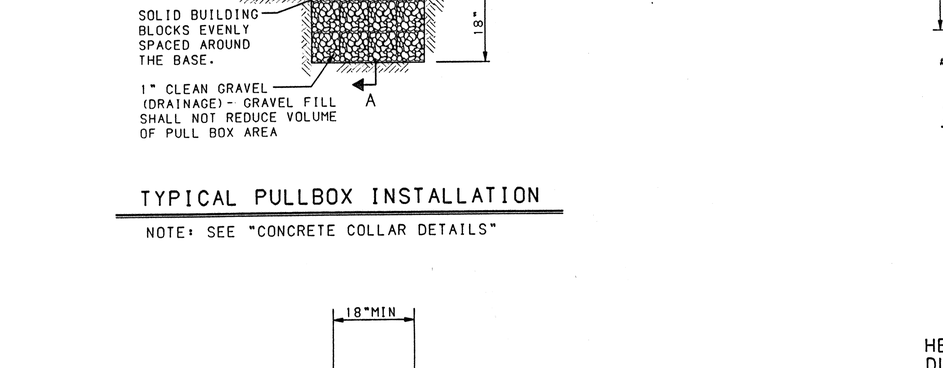
CONCRETE COLLAR DETAILS

NOTE: THE CONCRETE COLLAR FOR THE PULL BOXES WILL BE CONSIDERED INCIDENTAL TO THE TO THE PULL BOX BID ITEMS.

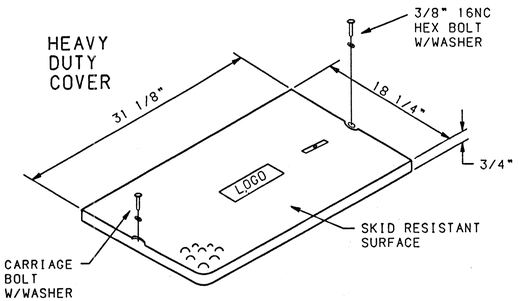


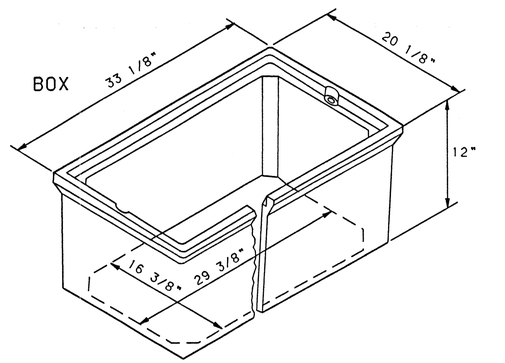
SECTION A-A

TRAFFIC SIGNAL PULLBOX (TYPICAL)
NEW CONDUIT INSTALLATION

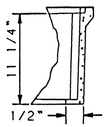


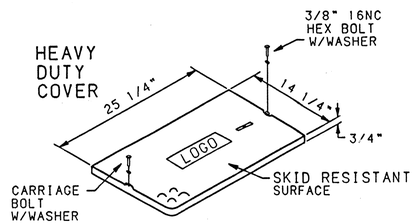
TRAFFIC SIGNAL PULLBOX (TYPICAL)
RETROFIT INSTALLATION

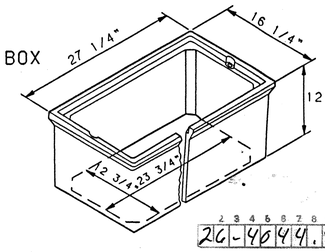




LARGE PULL BOX







STANDARD PULL BOX

PULL BOX DETAILS

NOTES FOR HEAVY DUTY REINFORCED POLYMER MORTAR PULL BOXES AND COVERS

1. MATERIAL TO BE AN AGGREGATE CONSISTING OF SAND AND GRAVEL BOUND TOGETHER WITH A POLYMER AND REINFORCED WITH A HEAVY WEAVE FIBERGLASS. THE MATERIAL MUST HAVE THE FOLLOWING MECHANICAL PROPERTIES: COMPRESSIVE STRENGTH-11,000 PSI, TENSILE STRENGTH-1700 PSI, FLEXURAL STRENGTH-7500 PSI.
2. ALL PULL BOX COVERS SHALL BE HEAVY DUTY REINFORCED POLYMER MORTAR, HAVING A SERVICE LOAD OF 15,000 LBS. OVER A 10" SQUARE (150 PSI). NO CONCRETE OR STEEL COVERS WILL BE ACCEPTABLE.
3. ELECTRICAL PULL BOX (SMALL) SHALL BE A HEAVY DUTY REINFORCED POLYMER MORTAR PULL BOX AND COVER MEASURING 12-7/8"x12-7/8"x3/4".

wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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AS-BUILT INFORMATION

	DATE
CONTRACTOR	
WORK INSPECTED BY	DATE
INSPECTION & ACCEPTANCE BY	DATE
VERIFICATION BY AS-BUILTS	DATE
CORRECTED BY	DATE

MICRO-FILM INFORMATION

	DATE
RECORDED BY	
NO.	

BENCH MARKS

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	DESIGNED BY BHI/COA DATE 2-94
			DRAWN BY BHI/COA DATE 2-94
			CHECKED BY BHI/COA DATE 2-94

APPROVED — DESIGN REVIEW COMMITTEE — MAY 30 1996

APPROVED — CITY ENGINEER

CITY OF ALBUQUERQUE
PUBLIC WORKS
ENGINEERING

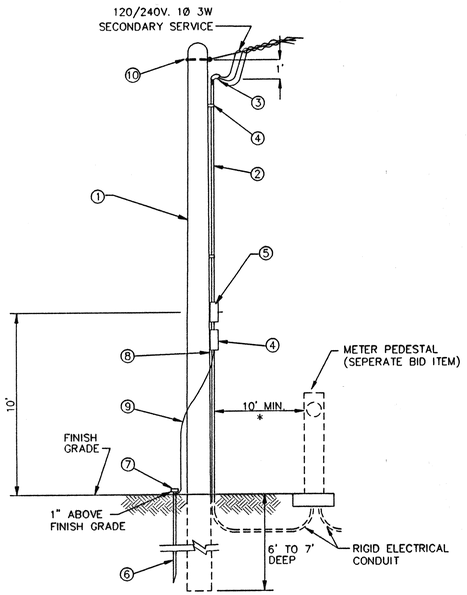
TITLE: TRAFFIC SIGNAL PULL BOX DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY			TRAF. OPER.		

DRAWING NO.	MAP NO.	SHEET OF
4044.91	M-15&16	10-22

26-4044.9 1/18998

TRAN4\ETTOVHD.CITYJCOAPBDET.GRF



MATERIAL LIST

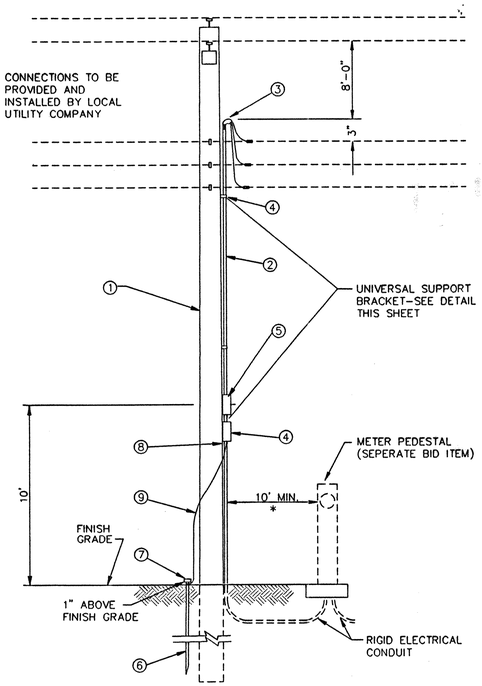
①	1	25' TREATED POLE
②	30'	2" GALVINIZED CONDUIT
③	1	2" WEATHER HEAD
④	2	UNIVERSAL SUPPORT BRACKET
⑤	2	2" PIPE STRAP KIT
⑥	1	COPPERWELD 3/4"x10'-0" GROUND ROD
⑦	1	GROUND ROD CLAMP
⑧	1	GROUND LUG
⑨	10'	#6 BARE COPPER GROUND WIRE
⑩	1	5/8" EYE BOLT 40' 1/C #2 THW BLACK 40' 1/C #2 THW WHITE 40' 1/C #2 THW RED

SERVICE POLE (SIGNAL)

* CONDUIT AND WIRE EXTENDING MORE THAN 10' FROM POLE WILL BE MEASURED AND PAID PER ACTUAL FOOTAGE USED.

SIGNAL SERVICE NOTES

1. ALL SIGNAL SERVICE DETAILS, MATERIALS, & INSTALLATION SHALL CONFORM TO THE LOCAL POWER COMPANY REQUIREMENTS.
2. CONTACT LOCAL POWER COMPANY CUSTOMER SERVICES FOR POLE QUADRANT FOR RISERS.
3. ALL ABOVE GRADE CONDUIT SHALL BE GALVANIZED.
4. RISER BRACKET ASSEMBLY MUST BE GROUNDED PER LOCAL POWER COMPANY REQUIREMENTS.
5. CONDUIT AND WIRE EXTENDING MORE THEN 10' FROM POLE WILL BE MEASURED AND PAID PER ACTUAL FOOTAGE USED.
6. UNIVERSAL SUPPORT BRACKETS WILL BE CONSIDERED INCIDENTAL TO THE SERVICE RISER.
7. DRILLING HOLES IN EXISTING STEEL POLES FOR UNIVERSAL SUPPORT BRACKETS WILL NOT BE PERMITTED. BRACKETS SHALL BE MOUNTED ON STEEL POLES WITH STAINLESS STEEL BANDS.
8. PROVIDE ONE 50A, SINGLE POLE, 120V CIRCUIT FOR CONTROLLER SIGNALS.



MATERIAL LIST

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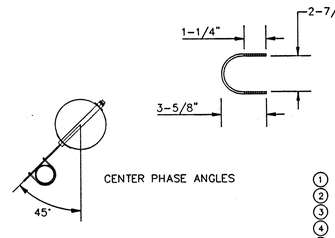
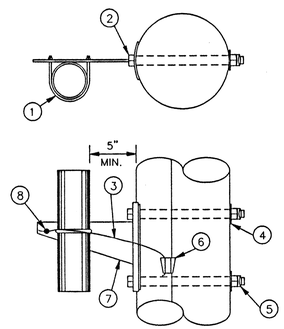
④	2	UNIVERSAL SUPPORT BRACKET
⑤	2	2" PIPE STRAP KIT
⑥	1	COPPERWELD 3/4"x10'-0" GROUND ROD
⑦	1	GROUND ROD CLAMP
⑧	1	GROUND LUG
⑨	10'	#6 BARE COPPER GROUND WIRE 50' 1/C #2 THW BLACK 50' 1/C #2 THW WHITE 50' 1/C #2 THW RED

SERVICE RISER (SIGNAL)

* CONDUIT AND WIRE EXTENDING MORE THEN 10' FROM POLE WILL BE MEASURED AND PAID PER ACTUAL FOOTAGE USED.





MATERIAL LIST

①	1	U BOLT
②	2	5/8" MACHINE BOLTS
③	3'	#4 SOL CU WIRE
④	2	2-1/4" SQUARE WASHER
⑤	2	5/8" MF LOCKNUT
⑥	1	LINE TAP
⑦	1	SUPPORT BRACKET
⑧	1	GROUNDING LUG

UNIVERSAL SUPPORT BRACKETS NOTES

1. BRACKET TO BE FASTENED TO POLE WITH 5/8" GALVANIZED MACHINE BOLTS.
2. BRACKET SUITABLE FOR TWO 2" CONDUITS.
3. TWO HOLE STRAPS ATTACHED AT 30" INTERVALS WITH 2" LAG SCREWS MAY BE USED INSTEAD OF THE SUPPORT BRACKET WHEN THE CONDUIT IS 1" OR LESS. A MAXIMUM OF TWO CONDUITS MAY BE STRAPPED DIRECTLY TO THE POLE.

UNIVERSAL SUPPORT BRACKETS

AS-BUILT INFORMATION
CONTRACTOR DATE
WORK STAKED BY DATE
SURVEYED BY DATE
ACCEPTANCE BY DATE
FIELD FABRICATION BY DATE
DRAWINGS CORRECTED BY DATE

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
-

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY -	DATE -
		DRAWN BY -	DATE -
		CHECKED BY -	DATE -

W.M. Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-4044.9/19098

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: ELECTRICAL SERVICE DETAILS FOR SIGNALS

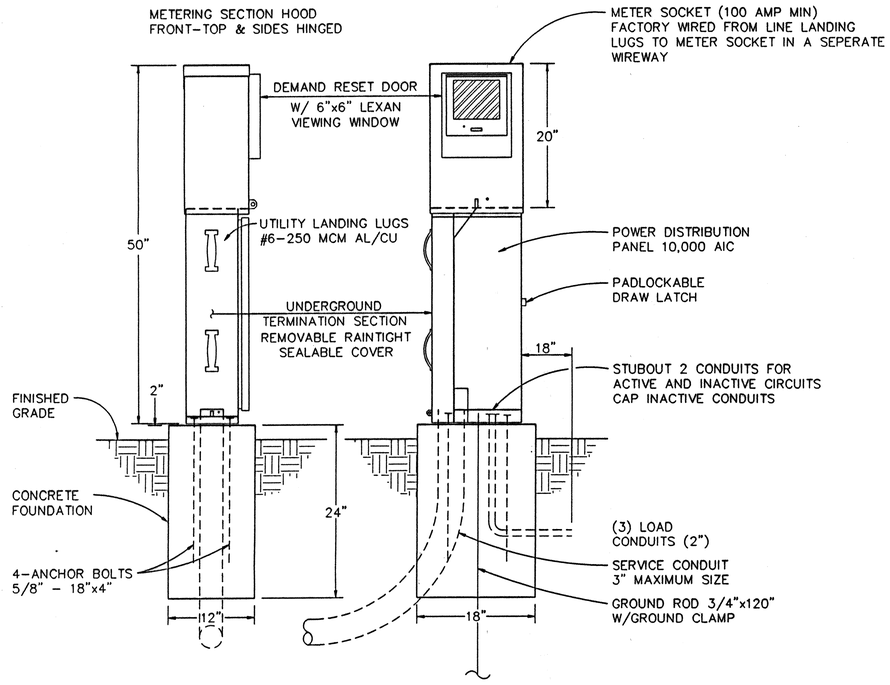
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR			WATER		
TRANS. DEV.			WASTE WATER		
HYDROLOGY			NMUI		

APPROVED
MAY 30 1996
DESIGN REVIEW COMMITTEE

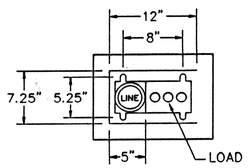
APPROVED
CITY ENGINEER

PROJECT NO. 4044.91 | MAP NO. M-15&16 | SHEET 10-23 OF

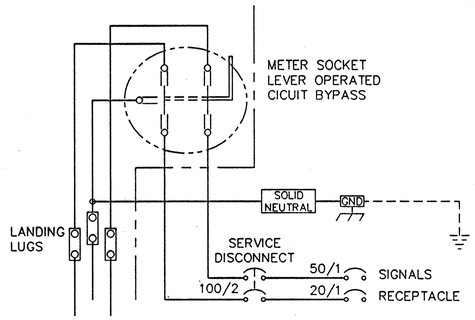
SGSERV.DWG



LEFT SIDE FRONT VIEW



BASE PLAN



LOCAL UTILITY SERVICE
120/240
1 PHASE
3 WIRE

SERVICE EQUIPMENT WIRING DIAGRAM "A"

ENCLOSURE CONSTRUCTION NOTES

1. SERVICE PEDESTAL SHALL BE UL LISTED "INDUSTRIAL CONTROL PANEL" PER UL 508.
2. SERVICE PEDESTAL SHALL MEET THE ELECTRIC UTILITY SERVICE EQUIPMENT REQUIRMENTS COMMITTEE (EUSERC) GUIDELINES.
3. CONSTRUCTION SHALL BE NEMA 3R AND 12, RAINTIGHT AND DUST TIGHT. ELECTRICALLY WELDED AND REINFORCED WHERE REQUIRED.
4. ALL NUTS, BOLTS, SCREWS AND HINGES SHALL BE STAINLESS STEEL.
5. NUTS, BOLTS, AND SCREWS SHALL NOT BE VISIBLE FROM OUTSIDE OF ENCLOSURE.
6. PHENOLIC NAMEPLATES SHALL BE PROVIDED AS REQUIRED.
7. CIRCUIT BREAKERS SHALL BE CABLE IN-CABLE OUT WITH LINE ON TOP & LOAD ON THE BOTTOM. HANDLE POSITION UP="ON", MIDDLE="TRIPPED", DOWN="OFF".
8. A PLASTIC COVERED WIRING DIAGRAM SHALL BE ATTACHED TO THE INSIDE OF THE FRONT DOOR.
9. ENCLOSURE SHALL BE FACTORY WIRED AND CONFORM TO REQUIRED NEMA STANDARDS.
10. ALL POWDER COATED CABINETS SHALL HAVE A CORROSION RESISTANT COATING WHICH INCLUDES A FIVE STEP DIP TANK METAL PREPARATION PROCESS:
    A. ALKALINE CLEANER 160° F.
    B. CLEAR WATER RINSE.
    C. IRON PHOSPHATE APPLICATION 150°.
    D. CLEAR WATER RINSE.
    E. INHIBITIVE RINSE TO SEAL PHOSPHATED SURFACES 120°.

    FINISHED WITH AN ELECTROSTATICALLY APPLIED DRY POLYESTER POWDER COATING THEN BAKED @ 380° TO CURE.
11. CONCRETE FOUNDATIONS INCLUDING EXCAVATION AND BACKFILL, CONCRETE, AND ANCHOR BOLTS, COMPLETE-IN PLACE, WILL BE CONSIDERED INCIDENTAL TO THE METER PEDESTAL.

CONSTRUCTION MATERIALS AND FINISH

- ☐ 12 GA HD GALV STEEL ☐ POWDER COATED _____
- ☐ 14 GA #304 S/S SHEET ☐ POWDER COATED COLOR _____ ☐ NATURAL
- ☐ 0.125" ALUMINUM SHEET ☐ POWDER COATED COLOR _____ ☐ NATURAL ☐ ANODIZED

POWDER COAT COLORS

- ☐ WHITE
- ☐ MINT GREEN
- ☐ CAMEL
- ☐ RANCH GREEN
- ☐ OTHER _____

W M Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
• 11/03/97	O.V.

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2 3 4 5 6 7 8 9 10 11 12 13 14 15
2G-40449.9111/9198

APPROVED MAY 30 1998 DESIGN REVIEW COMMITTEE

APPROVED CITY ENGINEER

AS-BUILT INFORMATION
CONTRACTOR DATE
BENCH MARKS
1 -
SURVEY INFORMATION
FIELD NOTES BY DATE
NO.
ENGINEER'S SEAL
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY - DATE -
DRAWN BY - DATE -
CHECKED BY - DATE -

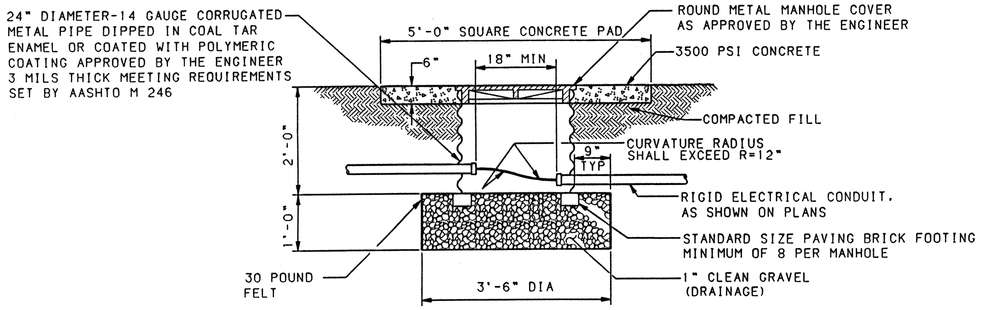
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: METER PEDESTAL DETAILS FOR SIGNALS

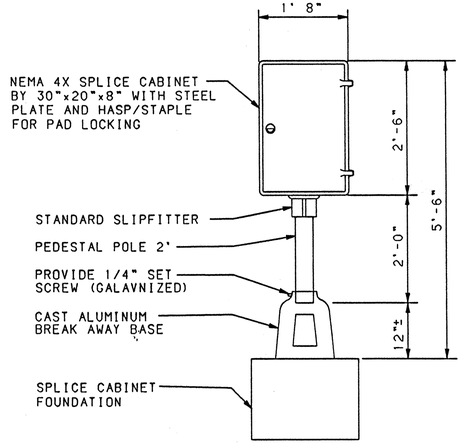
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR			WATER		
TRANS. DEV.			WASTE WATER		
HYDROLOGY			NMUI		

PROJECT NO. 4044.91 | MAP NO. M-15&16 | SHEET 10-24 OF

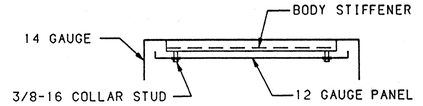
MTSGS_C.DWG



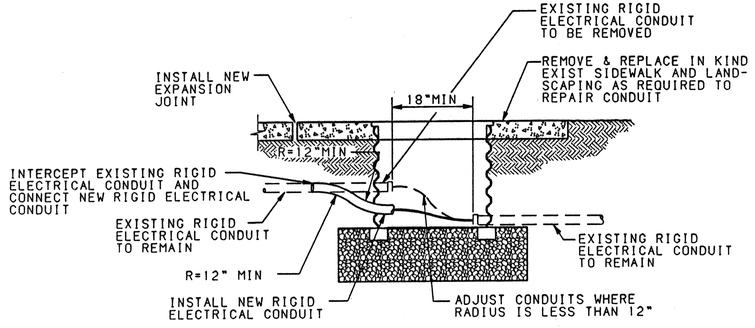
TRAFFIC SIGNAL MANHOLE (TYPICAL)
NEW CONDUIT INSTALLATION



TRAFFIC SIGNAL
SPLICE CABINET DETAIL



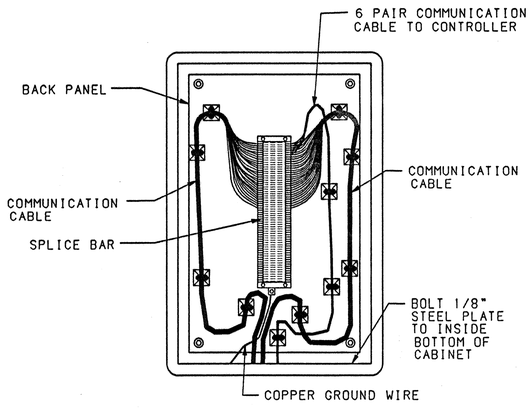
SPLICE CABINET PANEL DETAIL



TRAFFIC SIGNAL MANHOLE (TYPICAL)
RETROFIT INSTALLATION

NOTES:

1. TRAFFIC SIGNAL MANHOLE TO BE CONSTRUCTED IN AREAS NOT NORMALLY ACCESSIBLE TO VEHICULAR TRAFFIC.



TRAFFIC SIGNAL
SPLICE CABINET WIRING DETAIL

AS-BUILT INFORMATION
CONTRACTOR — DATE
WORK STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS SCANNED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL

wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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NO. | DATE | REMARKS | BY
REVISIONS
DESIGN — DATE 2-94 — DESIGNED BY BHI/COA
DRAWN BY BHI/COA — DATE 2-94
CHECKED BY BHI/COA — DATE 2-94

APPROVED
DESIGN REVIEW COMMITTEE
MAY 30 1997

APPROVED
CITY ENGINEER

26-4044.91 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

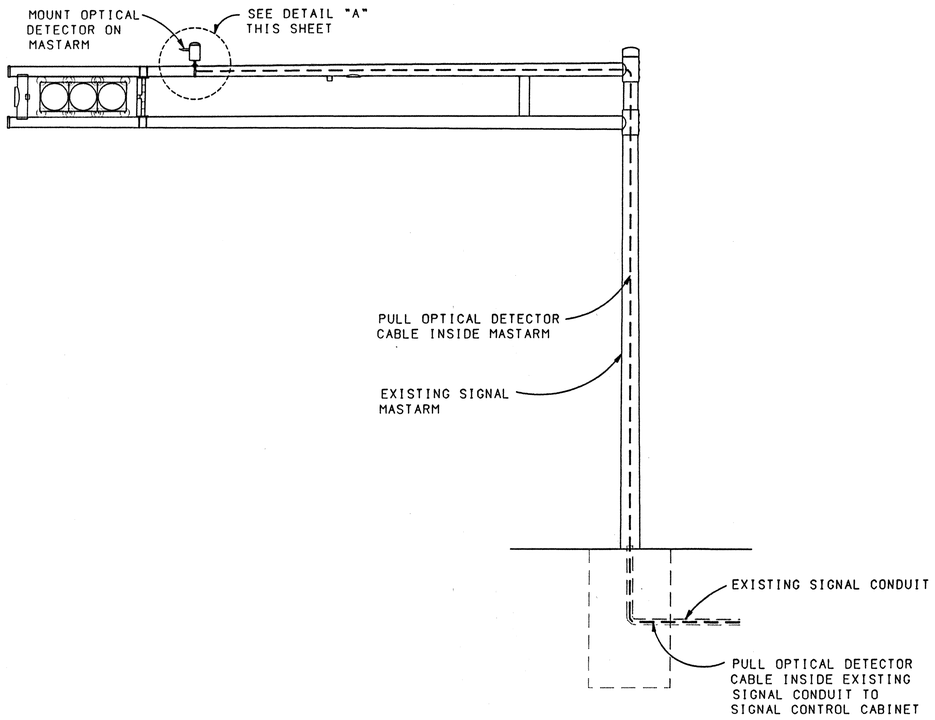
CITY OF ALBUQUERQUE
PUBLIC WORKS
ENGINEERING

TITLE: TRAFFIC SIGNAL
TRAFFIC MANHOLE & SPLICE CABINET DETAILS

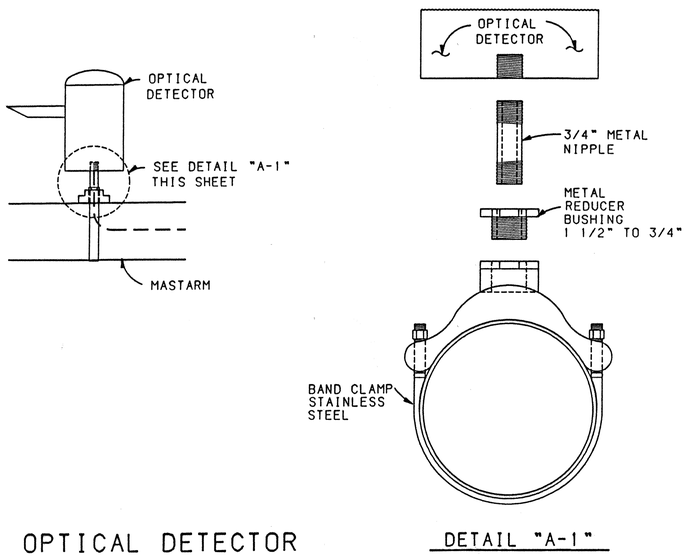
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY			TRAF. OPER.		

DRAWING NO. 4044.91 | MAP NO. M-15&16 | SHEET 10-25 OF

TRAN4\CITOVHD.CITY3COATSMHSC.GRF

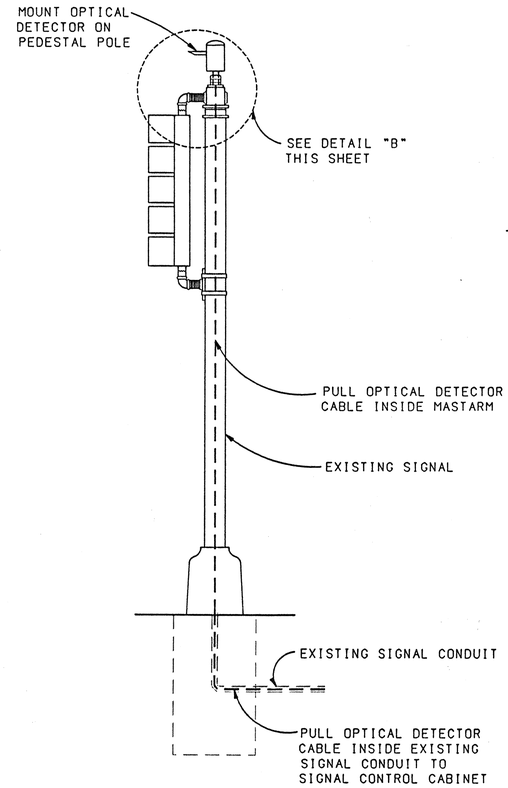


TYPICAL OPTICAL DETECTOR INSTALLATION - MASTARM



DETAIL "A-1"

OPTICAL DETECTOR MOUNTING - DETAIL "A"

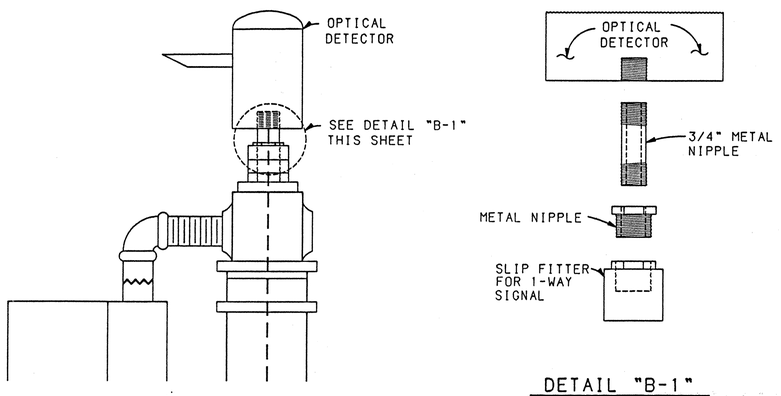


NOTE

1. ALL OPTICAL DETECTOR MOUNTING HARDWARE SHALL CONFORM TO OPTICAL DETECTOR MANUFACTURER'S REQUIREMENTS.

TYPICAL OPTICAL DETECTOR INSTALLATION - PEDESTAL POLE

NOTE: OPTICAL DETECTORS SHALL ONLY BE MOUNTED ON PEDESTAL POLES WHEN THERE IS NO MASTARM.



DETAIL "B-1"

OPTICAL DETECTOR MOUNTING - DETAIL "B"

AS-BUILT INFORMATION

CONTRACTOR — DATE
STAKED BY — DATE
INSPECTION & ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
MARKINGS CONNECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

BENCH MARKS

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

SEAL

ENGINEER'S SEAL

W. M. Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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APPROVED — MAY 30 1996 — DESIGN REVIEW COMMITTEE

APPROVED — CITY ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	DATE 2-94
		DESIGNED BY BHI/CDA	DATE 2-94
		DRAWN BY BHI/CDA	DATE 2-94
		CHECKED BY BHI/CDA	

CITY OF ALBUQUERQUE
PUBLIC WORKS
ENGINEERING

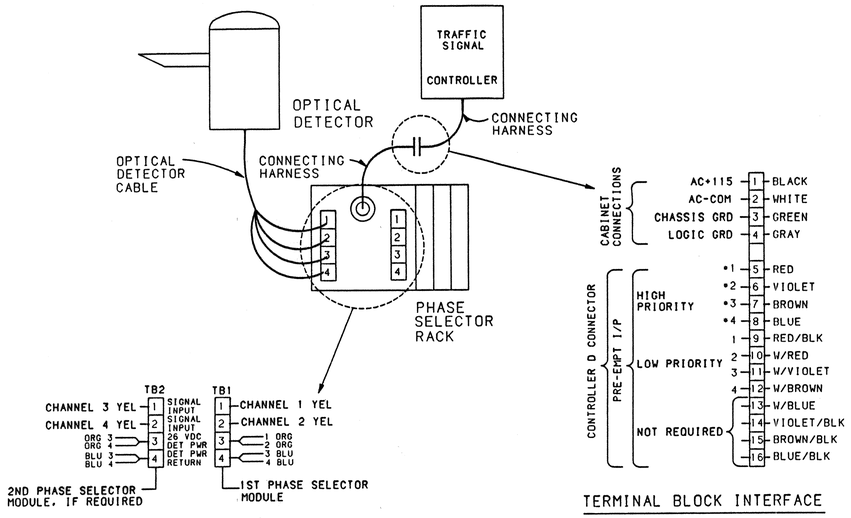
TITLE: TRAFFIC SIGNAL
OPTICAL DETECTOR INSTALLATION DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY			TRAF. OPER.		

DRAWING NO. 4044.91 | MAP NO. M-15&16 | SHEET 10 OF 26

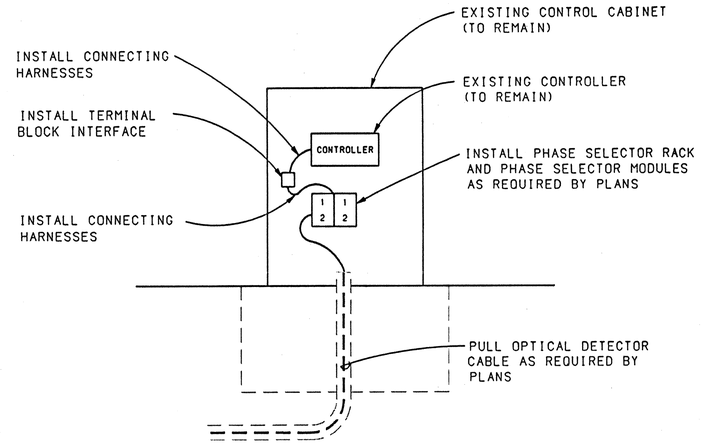
2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-4044.91 19398

TRAN4:ETTOVHD.CITYJCOAOPTINST.GRF



TERMINAL BLOCK INTERFACE

OPTICAL DETECTION SYSTEM SCHEMATIC



TYPICAL OPTICAL DETECTOR INSTALLATION INSIDE SIGNAL CONTROL CABINET

AS-BUILT INFORMATION

CONTRACTOR	DATE
WORK STAKED BY	DATE
INSPECTOR'S ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWING CORRECTED BY	DATE

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

BENCH MARKS

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	DATE 2-94
			DESIGNED BY BHI/COA
			DRAWN BY BHI/COA
			CHECKED BY BHI/COA

wm Jones P.E.

RECORD DRAWING

DATE: 11/03/97	DRAFTED BY: O.V.

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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
2c-4044.91/11/97

APPROVED MAY 30 1996 DESIGN REVIEW COMMITTEE

APPROVED CITY ENGINEER

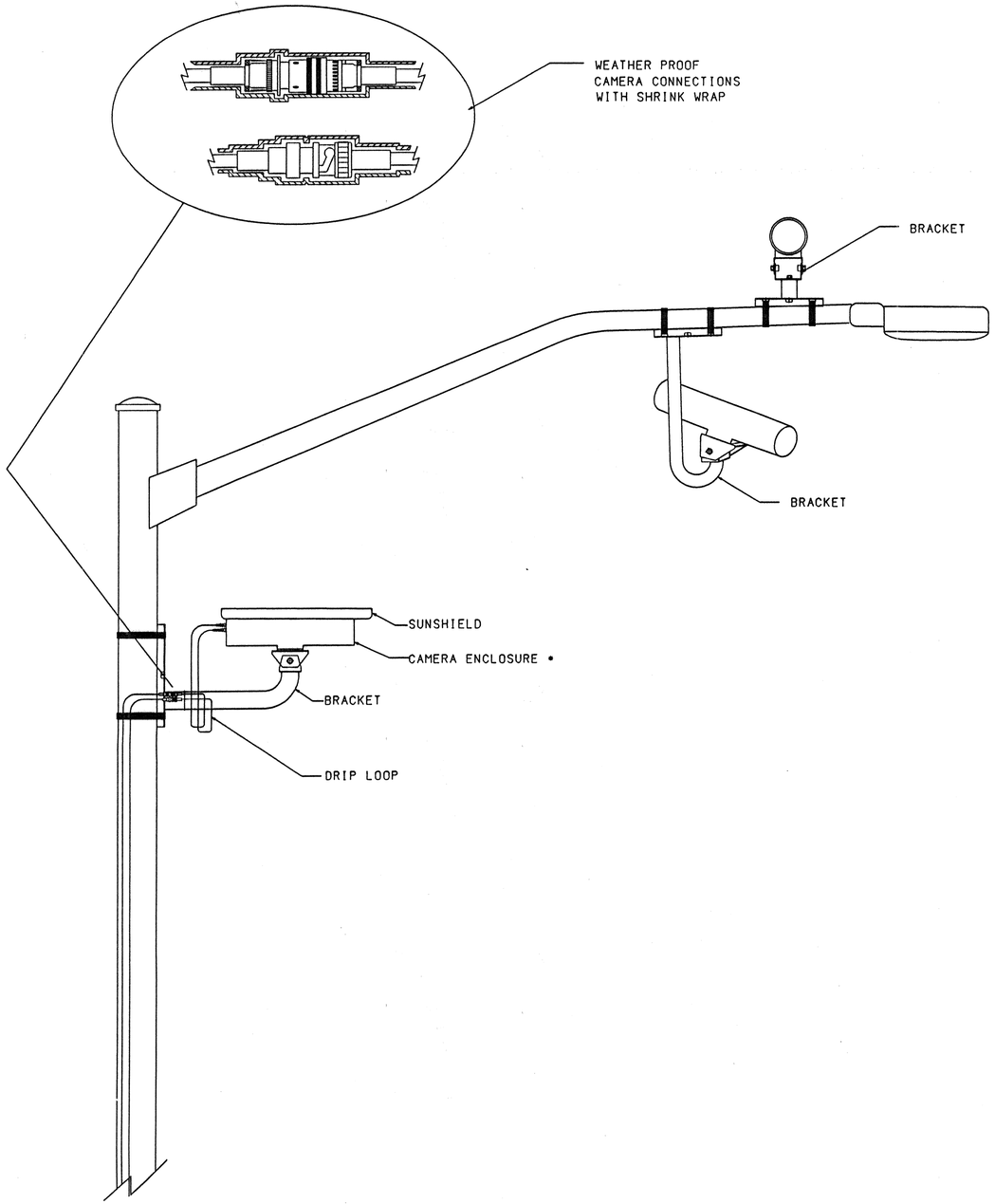
CITY OF ALBUQUERQUE
PUBLIC WORKS
ENGINEERING

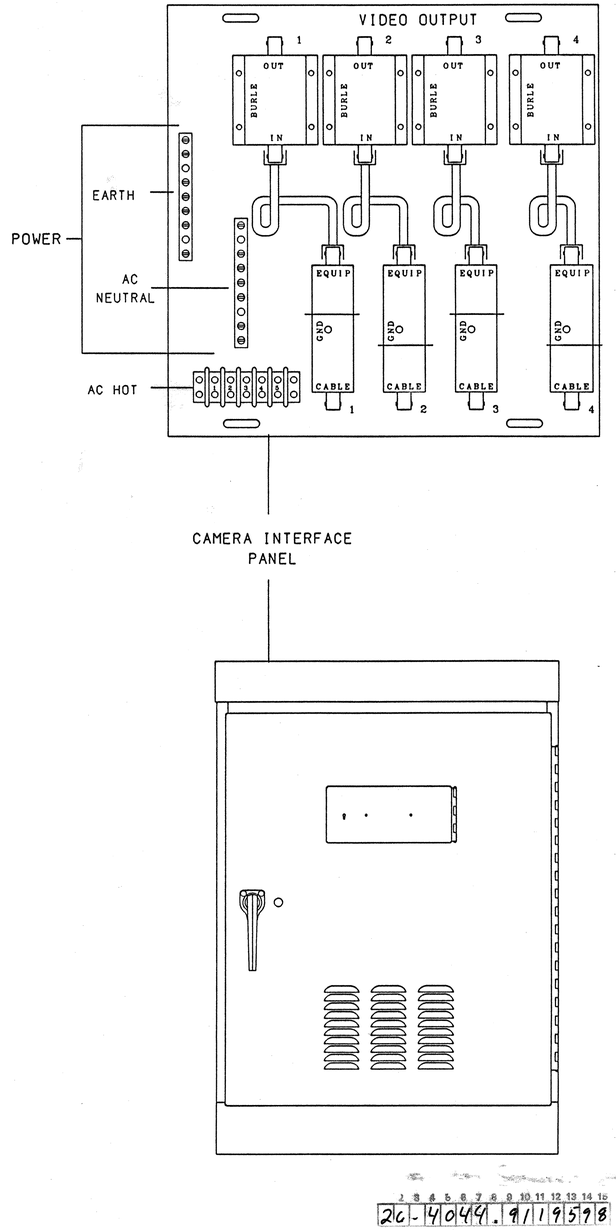
TITLE: TRAFFIC SIGNAL
OPTICAL DETECTOR WIRING

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY			TRAF. OPER.		

DRAWING NO. 4044.91 | MAP NO. M-15&16 | SHEET 10-27 OF

TRAN4-(CITGVHD.CITY)COAOPTWIRE.CRF





* CAMERA CAN BE ROTATED INSIDE THE ENCLOSURE AFTER INSTALLATION, TO ALIGN HORIZON AT HORIZONTAL PLANE.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-4044.9/1/95/98

AS-BUILT INFORMATION
CONTRACTOR — DATE
STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD MODIFICATION BY — DATE
CORRECTED BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

SURVEY INFORMATION
BENCH MARKS
NO. | FIELD NOTES BY | DATE

ENGINEER'S SEAL

NO. | DATE | REMARKS | BY
REVISIONS
DESIGN — DATE 1-92
DESIGNED BY BHI/COA
DRAWN BY BHI/COA — DATE 1-92
CHECKED BY BHI/COA — DATE 1-92

Wm Jones P.E

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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BOHANNAN-HUSTON INC.
ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE ARCHITECTS
ALBUQUERQUE LAS CRUCES SANTA FE

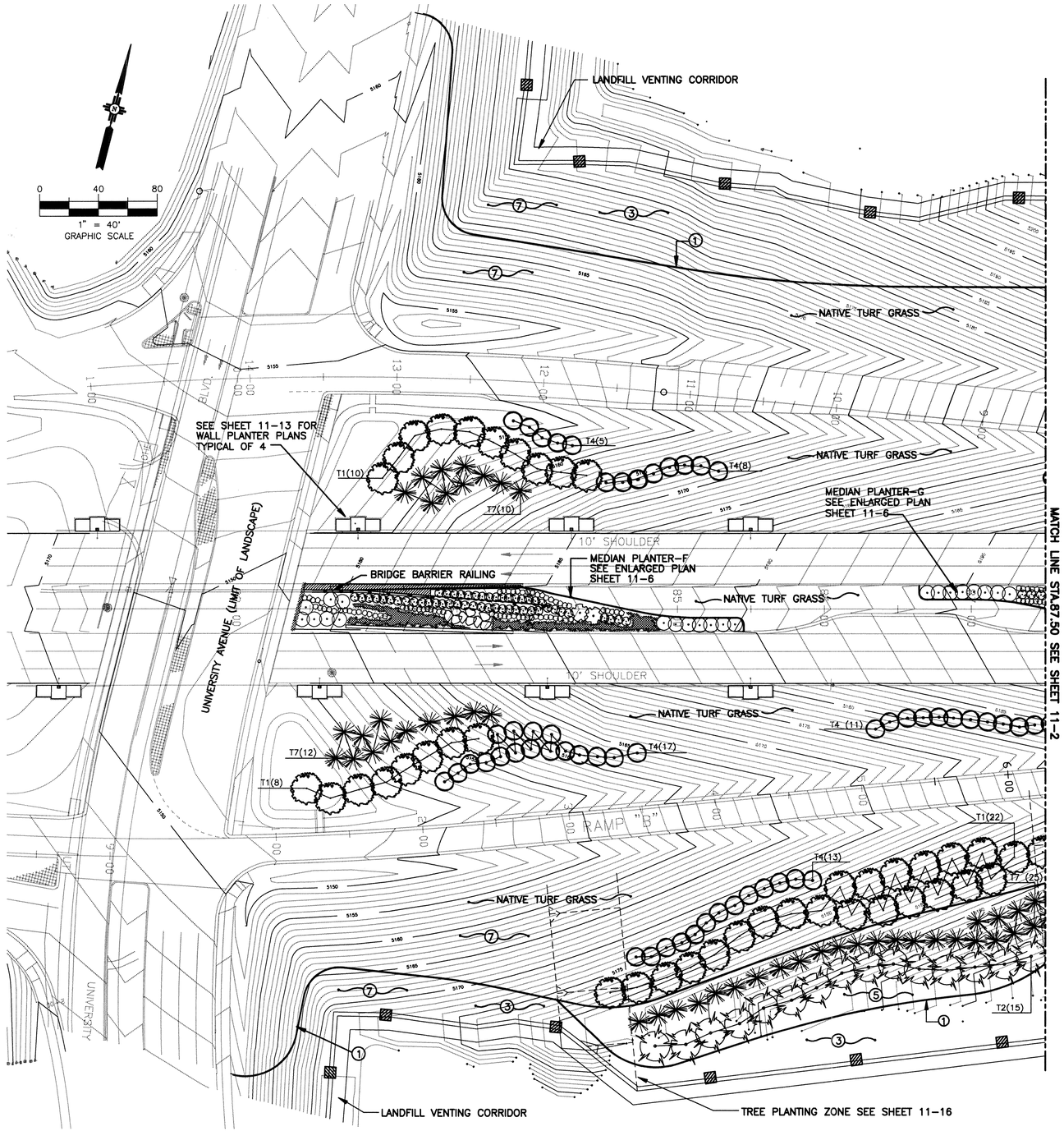
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE:
MACHINE VISION VEHICLE DETECTOR SYSTEM

DESIGN REVIEW COMMITTEE — MAY 30 1996 — DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL — CITY ENGINEER
LAST DESIGN UPDATE — MO./DAY/YR. | MO./DAY/YR.

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
4044.91	M-15&16	10-28	

TRAN4:LYTOVRD:WORKAREA:MACVIS-C.GRF



GENERAL NOTES

A. See complete plant schedule sheet 11–13.

B. All planting areas except areas to receive native seeding are to be irrigated. See irrigation sheets 11–17 through 11–29.

C. Refer to COA (City of Albuquerque) Standard Specification 1005 PLANTING for landscape specifications regarding trees, shrubs, and planters.

D. Areas indicated as cool season turf grass are to match existing grass. (See Sheet 11–13 for seed mix.)
Areas indicated as native turf grass are to be seeded with a native seed mix. (See Sheet 11–13 for seed mix.)
Refer To COA (City of Albuquerque) Standard Specification 1011 TURF GRASS as amended for information regarding cool season turf grass and native turf grass installation.

E. Refer to COA (City of Albuquerque) standard specification 1012 NATIVE SEEDING as amended for information regarding native grass seed installation. See sheet 11–13 for native seed mix.

F. Refer to COA Standard Details for Public Works Projects for general information regarding planting turf grass, native seeds, trees, and shrubs.

G. All irrigation heads are to be placed 18" minimum from edge of asphalt or back of curb.

H. Tom Ellis Is Design And Development contact for field inspection and testing. He should be notified 24 hours in advance at 857–8650.

I. Refer to sheets 8–1 through 8–7 for sign locations.

KEYED NOTES

(1) Concrete Mow Strip. See COA Standard Specifications And Detail DWG. 2726.

(2) Sign and sign post barrier. See sheet 2–60 for sign post barrier.

(3) All disturbed areas are to be seeded with native seeding in accordance with COA Standard Specification 1012 NATIVE SEEDING as amended. Limit of new contours indicate approximate limits of native seeding.

(4) Concrete mow strip with 1\2" expansion joint between mow strip and wall, similar to COA Standard Specifications and Detail DWG. 2726.

(5) 4" depth of bark mulch in all planters in accordance with COA Standard Specification 1005 PLANTING and Detail DWG. 2718, SHRUB BED.

(6) Pave areas indicated with 4" portland cement patterned concrete in accordance with COA Drawing 2502. Concrete pattern will be 12" by 12" square. Concrete will not be colored.

(7) Exercise caution during seeding operations over HPDE membrane liner covering existing landfill. See landfill cover plans and details on sheet 11–15. There is a minimum of 4 feet of cover over the HDPE liner. The top 12 inches of cover is a vegetative layer and requires no soil preparation prior to seeding. Swales contain cement treated base or gravel mulch for erosion control.

(8) 3" minimum round, grey, river run stone mulch in area between planter and curb.

(9) Swales in turf grass to receive erosion control matting over seeding.

(10) Concrete mow strip to conform to cross section of swale.

(11) Concrete mow strip, see detail, sheet 11–13.

PLANT LEGEND

Sym	Common Name / Botanical Name
T1	Russian Olive
	Elaeagunus angustifolia
T2	Arizona Cypress
	Cupressus arizonica
T3	Arizona Ash
	Fraxinus velutina
T4	Canada Red Chokecherry
	Prunus virginiana 'Canada Red'
T5	New Mexico Olive
	Forestiera neomexicana
T6	Smoke Tree
	Cotinus coggygria
T7	Wichita Blue Juniper
	Juniperus scopulorum 'Wichita Blue'
T8	Soaptree Yucca
	Yucca elata
T9	London Plane Tree
	Platinus acerfolia
S1	Rabbit Brush
	Chrysothamnous nauseosus
S2	Red–leaf Japanese Barberry
	Berberis thunbergii 'Atropurpurea'
S3	Andorra Juniper
	Juniperus horizontalis 'Plumosa'
S4	Broadmoor Juniper
	Juniperus sabine 'Broadmoor'
S5	Silverberry
	Elaeagnus pungens
V1	Wintercreeper
	Euonymus fortunei
V2	Boston Ivy
	Parthenocissus tricuspidata
GC1	Creeping Rosemary
	Rosmarinus officinalis 'Prostratus'
GC2	English Ivy
	Hedera helix

AS BUILT INFORMATION
CONTRACTOR
STAKED BY DATE
INSPECTOR'S FIELD STAKE BY DATE
FIELD VERIFICATION BY DATE
AS BUILTS BY DATE
CORRECTED BY DATE

BENCH MARKS
STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

MICRO–FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY
		DESIGNED BY DD DATE MON DA, 1996	
		DRAWN BY DD DATE 5-28-96	
		CHECKED BY JQP DATE MON DA, 1996	

7 3 4 5 6 7 8 9 10 11 12 13 14 15
26-1404141.9111196198

MOLZEN–CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

SUNPORT BOULEVARD
LANDSCAPE PLAN
UNIVERSITY BLVD. TO STA. 87+50

W M Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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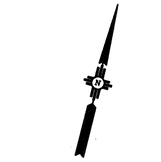
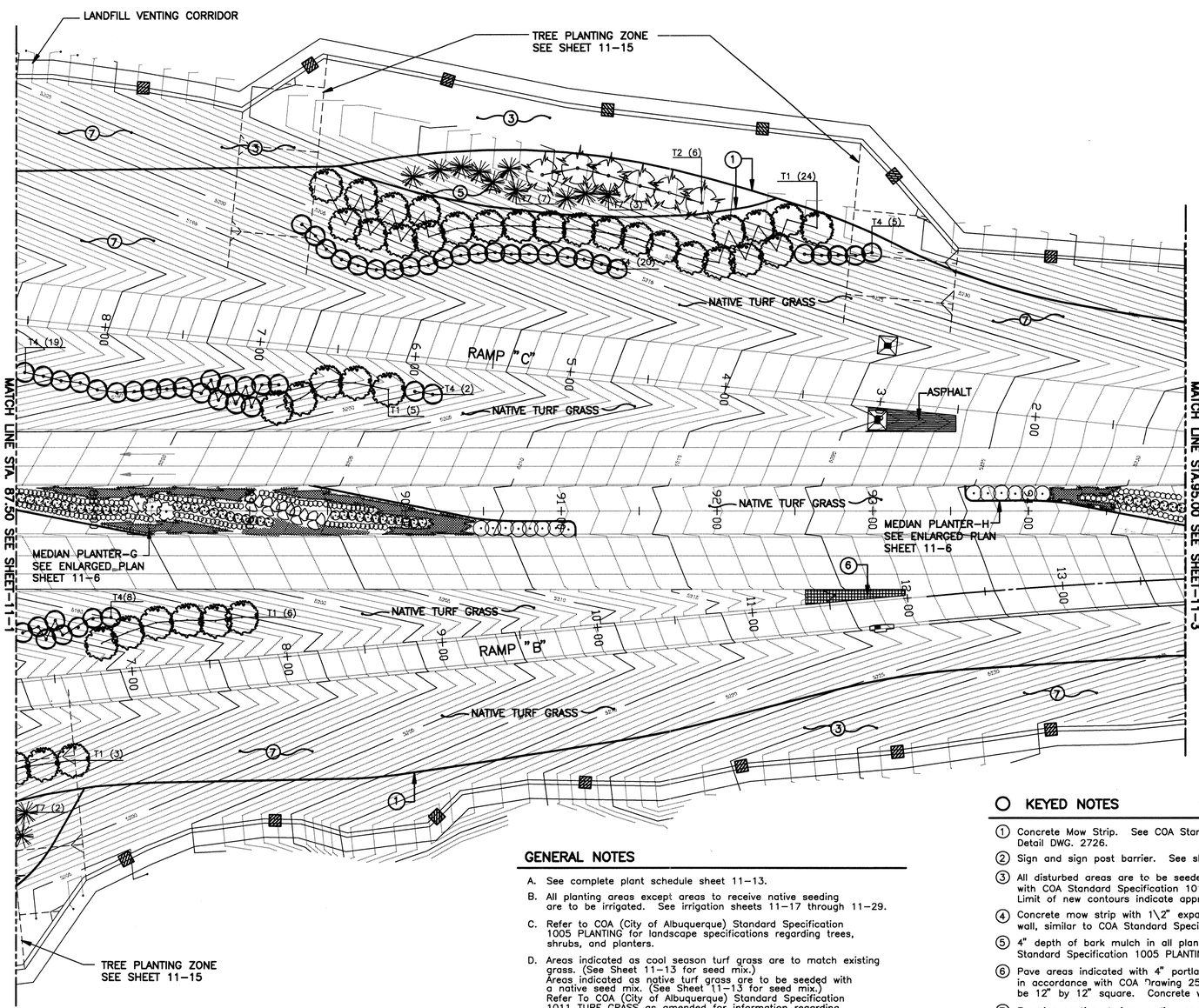
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	11–1	

© COPYRIGHT

sp2ls1-p.dwg 1=30 5-28-96





GENERAL NOTES

A. See complete plant schedule sheet 11-13.

B. All planting areas except areas to receive native seeding are to be irrigated. See irrigation sheets 11-17 through 11-29.

C. Refer to COA (City of Albuquerque) Standard Specification 1005 PLANTING for landscape specifications regarding trees, shrubs, and planters.

D. Areas indicated as cool season turf grass are to match existing grass. (See Sheet 11-13 for seed mix.)
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Refer To COA (City of Albuquerque) Standard Specification 1011 TURF GRASS as amended for information regarding cool season turf grass and native turf grass installation.

E. Refer to COA (City of Albuquerque) standard specification 1012 NATIVE SEEDING as amended for information regarding native grass seed installation. See sheet 11-13 for native seed mix.

F. Refer to COA Standard Details for Public Works Projects for general information regarding planting turf grass, native seeds, trees, and shrubs.

G. All irrigation heads are to be placed 18" minimum from edge of asphalt or back of curb.

H. Tom Ellis Is Design And Development contact for field inspection and testing. He should be notified 24 hours in advance at 857-8650.

I. Refer to sheets 8-1 through 8-7 for sign locations.

KEYED NOTES

1. Concrete Mow Strip. See COA Standard Specifications And Detail DWG. 2726.
2. Sign and sign post barrier. See sheet 2-60 for sign post barrier.
3. All disturbed areas are to be seeded with native seeding in accordance with COA Standard Specification 1012 NATIVE SEEDING as amended. Limit of new contours indicate approximate limits of native seeding.
4. Concrete mow strip with 1\2" expansion joint between mow strip and wall, similar to COA Standard Specifications and Detail DWG. 2726.
5. 4" depth of bark mulch in all planters in accordance with COA Standard Specification 1005 PLANTING and Detail DWG. 2718, SHRUB BED.
6. Pave areas indicated with 4" portland cement patterned concrete in accordance with COA Drawing 2502. Concrete pattern will be 12" by 12" square. Concrete will not be colored.
7. Exercise caution during seeding operations over HPDE membrane liner covering existing landfill. See landfill cover plans and details on sheet 11-15. There is a minimum of 4 feet of cover over the HDPE liner. The top 12 inches of cover is a vegetative layer and requires no soil preparation prior to seeding. Swales contain cement treated base or gravel mulch for erosion control.
8. 3" minimum round, grey, river run stone mulch in area between planter and curb.
9. Swales in turf grass to receive erosion control matting over seeding.
10. Concrete mow strip to conform to cross section of swale.
11. Concrete mow strip, see detail, sheet 11-13.

PLANT LEGEND

Sym	Common Name / Botanical Name
T1	Russian Olive
	Elaeagunus angustifolia
T2	Arizona Cypress
	Cupressus arizonica
T3	Arizona Ash
	Fraxinus velutina
T4	Canada Red Chokecherry
	Prunus virginiana 'Canada Red'
T5	New Mexico Olive
	Forestiera neomexicana
T6	Smoke Tree
	Cotinus coggygria
T7	Wichita Blue Juniper
	Juniperus scopulorum 'Wichita Blue'
T8	Soaptree Yucca
	Yucca elata
T9	London Plane Tree
	Platinus acerfolia
S1	Rabbit Brush
	Chrysothamnous nauseosus
S2	Red-leaf Japanese Barberry
	Berberis thunbergii 'Atropurpurea'
S3	Andorra Juniper
	Juniperus horizontalis 'Plumosa'
S4	Broadmoor Juniper
	Juniperus sabine 'Broadmoor'
S5	Silverberry
	Elaeagnus pungens
V1	Wintercreeper
	Euonymus fortunei
V2	Boston Ivy
	Parthenocissus tricuspidata
GC1	Creeping Rosemary
	Rosmarinus officinalis 'Prostratus'
GC2	English Ivy
	Hedera helix

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT. THESE DRAWINGS WERE ORIGINALLY PREPARED IN CADD FORMAT AND APPROVED FOR CONSTRUCTION BY THE CITY ENGINEER ON 5/30/96. DRAWINGS INCLUDED IN THIS SET WHICH DO NOT HAVE ORIGINAL DRC SIGNATURES HAVE BEEN MODIFIED AND REPLOTTED FOR RECORD DRAWING PURPOSES.

1 2 3 4 5 6 7 8 9 10 11 12 13 14
24-4044.91/19798

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE
KOOGLE & POULS 3/92

BENCH MARKS
STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

AS BUILT INFORMATION
CONTRACTOR
STAKES
STAKED BY DATE
INSPECTOR'S
LOCATIONS BY DATE
FIELD TRANSIT BY
VERIFICATION BY DATE
DRAWINGS
CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL

NO.	DATE	REMARKS
		REVISIONS
		DESIGN BY
		DESIGNED BY DD DATE MON DA, 1996
		DRAWN BY DD DATE 5-28-96
		CHECKED BY JQP DATE MON DA, 1996

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

SUNPORT BOULEVARD
LANDSCAPE PLAN
STA. 87+50 TO STA. 95+00

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	11-2	

sp2ls2-p.dwg 1=30 2-14-96

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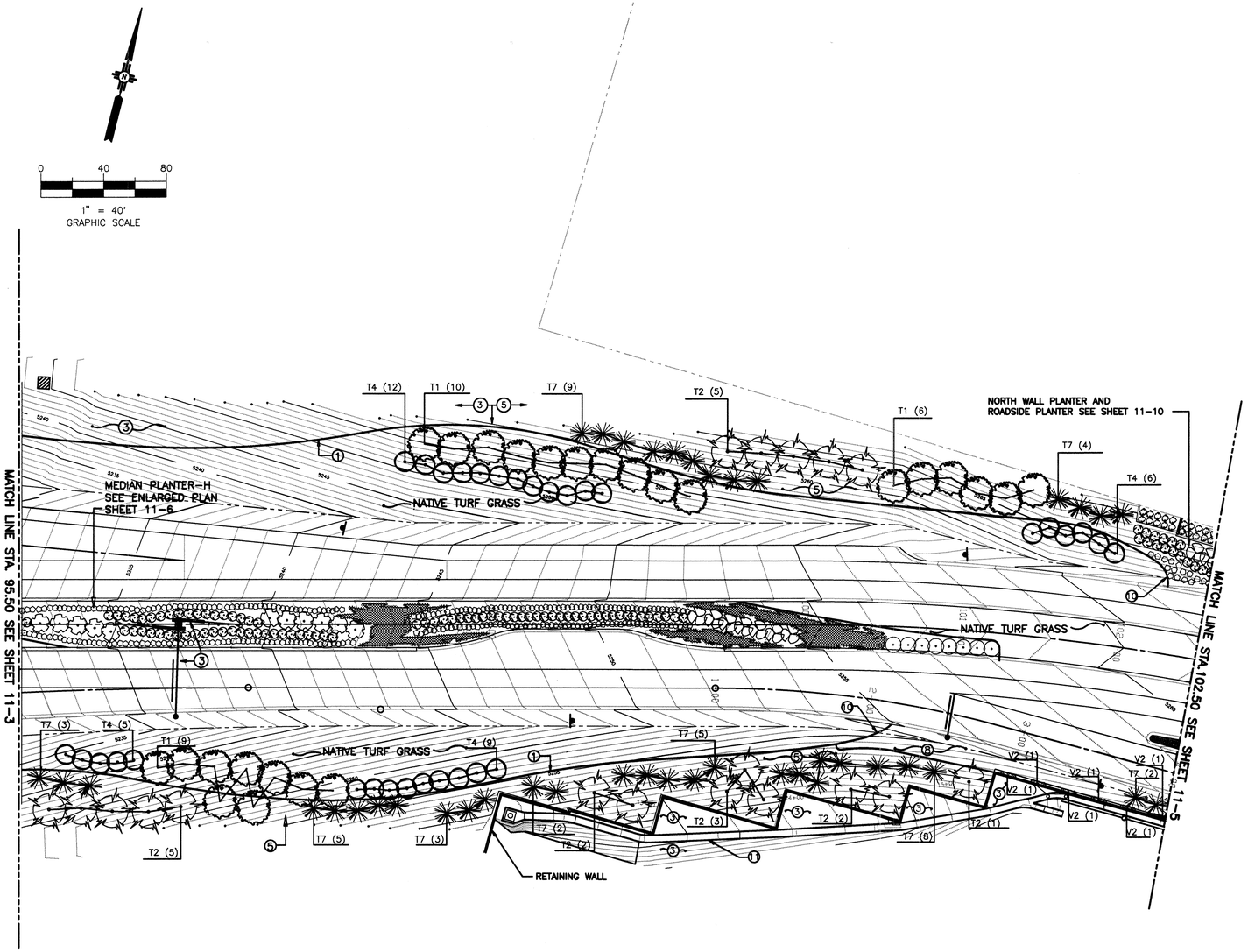

PLANT LEGEND

Sym	Common Name / Botanical Name
T1	Russian Olive
	Elaeagunus angustifolia
T2	Arizona Cypress
	Cupressus arizonica
T3	Arizona Ash
	Fraxinus velutina
T4	Canada Red Chokecherry
	Prunus virginiana 'Canada Red'
T5	New Mexico Olive
	Forestiera neomexicana
T6	Smoke Tree
	Cotinus caggygria
T7	Wichita Blue Juniper
	Juniperus scopulorum 'Wichita Blue'
T8	Soaptree Yucca
	Yucca elata
T9	London Plane Tree
	Platinus acerfolia
S1	Rabbit Brush
	Chrysothamnous nauseosus
S2	Red-leaf Japanese Barberry
	Berberis thunbergii 'Atropurpurea'
S3	Andorra Juniper
	Juniperus horizontalis 'Plumosa'
S4	Broadmoor Juniper
	Juniperus sabine 'Broadmoor'
S5	Silverberry
	Elaeagnus pungens
V1	Wintercreeper
	Euonymus fortunei
V2	Boston Ivy
	Parthenocissus tricuspidata
GC1	Creeping Rosemary
	Rosmarinus officinalis 'Prostratus'
GC2	English Ivy
	Hedera helix

wm Jones PE

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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GENERAL NOTES

A. See complete plant schedule sheet 11-13.

B. All planting areas except areas to receive native seeding are to be irrigated. See irrigation sheets 11-17 through 11-29.

C. Refer to COA (City of Albuquerque) Standard Specification 1005 PLANTING for landscape specifications regarding trees, shrubs, and planters.

D. Areas indicated as cool season turf grass are to match existing grass. (See Sheet 11-13 for seed mix.)
Areas indicated as native turf grass are to be seeded with a native seed mix. (See Sheet 11-13 for seed mix.)
Refer To COA (City of Albuquerque) Standard Specification 1011 TURF GRASS as amended for information regarding cool season turf grass and native turf grass installation.

E. Refer to COA (City of Albuquerque) standard specification 1012 NATIVE SEEDING as amended for information regarding native grass seed installation. See sheet 11-13 for native seed mix.

F. Refer to COA Standard Details for Public Works Projects for general information regarding planting turf grass, native seeds, trees, and shrubs.

G. All irrigation heads are to be placed 18" minimum from edge of asphalt or back of curb.

H. Tom Ellis Is Design And Development contact for field inspection and testing. He should be notified 24 hours in advance at 857-8650.

I. Refer to sheets 8-1 through 8-7 for sign locations.

KEYED NOTES

1. Concrete Mow Strip. See COA Standard Specifications And Detail DWG. 2726.
2. Sign and sign post barrier. See sheet 2-60 for sign post barrier.
3. All disturbed areas are to be seeded with native seeding in accordance with COA Standard Specification 1012 NATIVE SEEDING as amended. Limit of new contours indicate approximate limits of native seeding.
4. Concrete mow strip with 1\2" expansion joint between mow strip and wall, similar to COA Standard Specifications and Detail DWG. 2726.
5. 4" depth of bark mulch in all planters in accordance with COA Standard Specification 1005 PLANTING and Detail DWG. 2718, SHRUB BED.
6. Pave areas indicated with 4" portland cement patterned concrete in accordance with COA Drawing 2502. Concrete pattern will be 12" by 12" square. Concrete will not be colored.
7. Exercise caution during seeding operations over HPDE membrane liner covering existing landfill. See landfill cover plans and details on sheet 11-15. There is a minimum of 4 feet of cover over the HDPE liner. The top 12 inches of cover is a vegetative layer and requires no soil preparation prior to seeding. Swales contain cement treated base or gravel mulch for erosion control.
8. 3" minimum round, grey, river run stone mulch in area between planter and curb.
9. Swales in turf grass to receive erosion control matting over seeding.
10. Concrete mow strip to conform to cross section of swale.
11. Concrete mow strip, see detail, sheet 11-13.

AS BUILT INFORMATION
CONTRACTOR
STAKED BY DATE
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY DD DATE MON DA, 1996	
		DRAWN BY DD DATE 5-28-96	
		CHECKED BY JQP DATE MON DA, 1998	

2a-4044.9/1/1998

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD - PHASE II

SUNPORT BOULEVARD
LANDSCAPE PLAN
STA. 95+00 TO STA. 102+50

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	11-3	

sp2ls3-p.dwg 1=40 3-27-96

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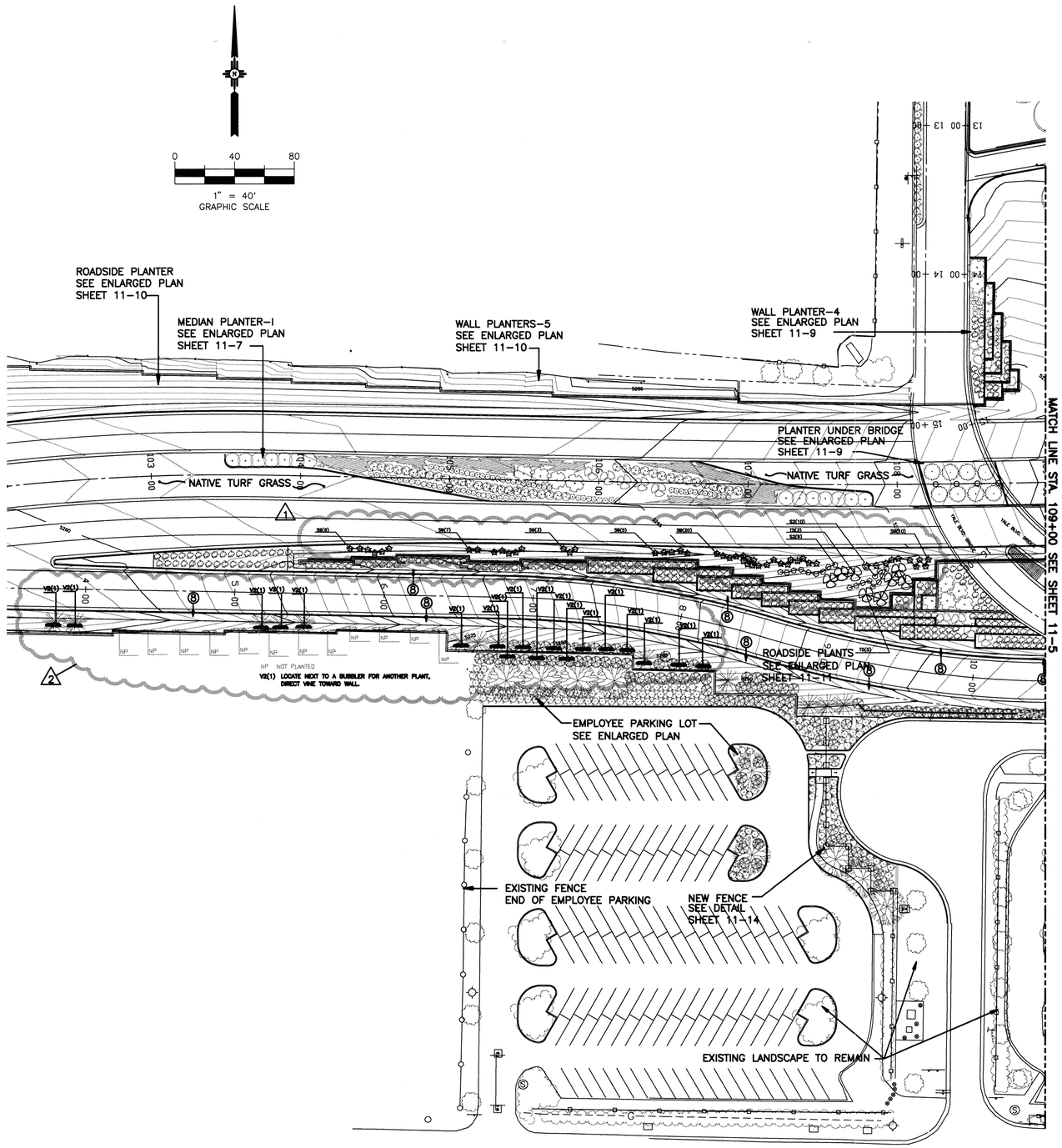

GENERAL NOTES

A. See complete plant schedule sheet 11–13.

B. All planting areas except areas to receive native seeding are to be irrigated. See irrigation sheets 11–17 through 11–29.

C. Refer to COA (City of Albuquerque) Standard Specification 1005 PLANTING for landscape specifications regaraing trees, shrubs, and planters.

D. Areas indicated as cool season turf grass are to match existing grass. (See Sheet 11–13 for seed mix.)
Areas indicated as native turf grass are to be seeded with a native seed mix. (See Sheet 11–13 for seed mix.)
Refer To COA (City of Albuquerque) Standard Specification 1011 TURF GRASS as amended for information regarding cool season turf grass and native turf grass installation.

E. Refer to COA (City of Albuquerque) standard specification 1012 NATIVE SEEDING as amended for information regarding native grass seed installation. See sheet 11–13 for native seed mix.

F. Refer to COA Standard Details for Public Works Projects for general information regarding planting turf grass, native seeds, trees, and shrubs.

G. All irrigation heads are to be placed 18" minimum from edge of asphalt or back of curb.

H. Tom Ellis Is Design And Development contact for field inspection and testing. He should be notified 24 hours in advance at 857–8650.

I. Refer to sheets 8–1 through 8–7 for sign locations.

KEYED NOTES

1. Concrete Mow Strip. See COA Standard Specifications And Detail DWG. 2726.
2. Sign and sign post barrier. See sheet 2–60 for sign post barrier.
3. All disturbed areas are to be seeded with native seeding in accordance with COA Standard Specification 1012 NATIVE SEEDING as amended. Limit of new contours indicate approximate limits of native seeding.
4. Concrete mow strip with 1\2" expansion joint between mow strip and wall, similar to COA Standard Specifications and Detail DWG. 2726.
5. 4" depth of bark mulch in all planters in accordance with COA Standard Specification 1005 PLANTING and Detail DWG. 2718, SHRUB BED.
6. Pave areas indicated with 4" portland cement patterned concrete in accordance with COA Drawing 2502. Concrete pattern will be 12" by 12" square. Concrete will not be colored.
7. Exercise caution during seeding operations over HPDE membrane liner covering existing landfill. See landfill cover plans and details on sheet 11–15. There is a minimum of 4 feet of cover over the HPDE liner. The top 12 inches of cover is a vegetative layer and requires no soil preparation prior to seeding. Swales contain cement treated base or gravel mulch for erosion control.
8. 3" minimum round, grey, river run stone mulch in area between planter and curb.
9. Swales in turf grass to receive erosion control matting over seeding.
10. Concrete mow strip to conform to cross section of swale.
11. Concrete mow strip, see detail, sheet 11–13.

PLANT LEGEND

Sym	Common Name / Botanical Name
T1	Russian Olive
	Elaeagunus angustifolia
T2	Arizona Cypress
	Cupressus arizonica
T3	Arizona Ash
	Fraxinus velutina
T4	Canada Red Chokecherry
	Prunus virginiana 'Canada Red'
T5	New Mexico Olive
	Forestiera neomexicana
T6	Smoke Tree
	Cotinus coggygria
T7	Wichita Blue Juniper
	Juniperus scopulorum 'Wichita Blue'
T8	Soaptree Yucca
	Yucca elata
T9	London Plane Tree
	Platinus acerfolia
S1	Rabbit Brush
	Chrysothamnous nauseosus
S2	Red–leaf Japanese Barberry
	Berberis thunbergii 'Atropurpurea'
S3	Andorra Juniper
	Juniperus horizontalis 'Plumosa'
S4	Broadmoor Juniper
	Juniperus sabine 'Broadmoor'
S5	Silverberry
	Elaeagnus pungens
S9	Blue Star Juniper
	Juniperus squamata 'Blue Star'
V1	Wintercreeper
	Euonymus fortunei
V2	Boston Ivy
	Parthenocissus tricuspidata
GC1	Creeping Rosemary
	Rosmarinus officinalis 'Prostratus'
GC2	English Ivy
	Hedera helix

1 REPLACE TURF WITH SHRUBS 5-10-96 DD
2 RELOCATE VINES 5-10-96 DD
3 10/8/97 5-10-96 JQP

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY DD
DRAWN BY DD
CHECKED BY JQP

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

SUNPORT BOULEVARD
LANDSCAPE PLAN
STA. 102+50 TO 109+00

RECORD DRAWING
DATE: 11/03/97 | DRAFTED BY: O.V.
THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT. THESE DRAWINGS WERE ORIGINALLY PREPARED IN CADD FORMAT AND APPROVED FOR CONSTRUCTION BY THE CITY ENGINEER ON 5/30/96. DRAWINGS INCLUDED IN THIS SET WHICH DO NOT HAVE ORIGINAL DRC SIGNATURES HAVE BEEN MODIFIED AND REPLOTTED FOR RECORD DRAWING PURPOSES.

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	11–4	

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AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY DATE
WORK COMPLETED BY DATE
INSPECTORS ASSISTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE

BENCH MARKS
STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

sp2bk4-p.dwg 1=40 3-28-96

KEYED NOTES

1. Concrete Mow Strip. See COA Standard Specifications And Detail DWG. 2726.
2. Sign and sign post barrier. See sheet 2–60 for sign post barrier.
3. All disturbed areas are to be seeded with native seeding in accordanc with COA Standard Specification 1012 NATIVE SEEDING as amended. Limit of new contours indicate approximate limits of native seeding.
4. Concrete mow strip with 1\2" expansion joint between mow strip and wall, similar to COA Standard Specifications and Detail DWG. 2726.
5. 4" depth of bark mulch in all planters in accordance with COA Standard Specification 1005 PLANTING and Detail DWG. 2718, SHRUB I
6. Pave areas indicated with 4" portland cement patterned concrete in accordance with COA Drawing 2502. Concrete pattern will be 12" by 12" square. Concrete will not be colored.
7. Exercise caution during seeding operations over HPDE membrane liner covering existing landfill. See landfill cover plans and details on sheet 11–15. There is a minimum of 4 feet of cover over the HDPE liner. The top 12 inches of cover is a vegetative layer and requires no soil preparation prior to seeding. Swales contain cement treated base or gravel mulch for erosion control.
8. 3" minimum round, grey, river run stone mulch in area between plan and curb.
9. Swales in turf grass to receive erosion control matting over seeding.
10. Concrete mow strip to conform to cross section of swale.
11. Concrete mow strip, see detail, sheet 11–13.

GENERAL NOTES

A. See complete plant schedule sheet 11–13.

B. All planting areas except areas to receive native seeding are to be irrigated. See irrigation sheets 11–17 through 11–29.

C. Refer to COA (City of Albuquerque) Standard Specification 1005 PLANTING for landscape specifications regarding trees, shrubs, and planters.

D. Areas indicated as cool season turf grass are to match existing grass. (See Sheet 11–13 for seed mix.)
Areas indicated as native turf grass are to be seeded with a native seed mix. (See Sheet 11–13 for seed mix.)
Refer To COA (City of Albuquerque) Standard Specification 1011 TURF GRASS as amended for information regarding cool season turf grass and native turf grass installation.

E. Refer to COA (City of Albuquerque) standard specification 1012 NATIVE SEEDING as amended for information regarding native grass seed installation. See sheet 11–13 for native seed mix.

F. Refer to COA Standard Details for Public Works Projects for general information regarding planting turf grass, native seeds, trees, and shrubs.

G. All irrigation heads are to be placed 18" minimum from edge of asphalt or back of curb.

H. Tom Ellis Is Design And Development contact for field inspection and testing. He should be notified 24 hours in advance at 857–8650.

I. Refer to sheets 8–1 through 8–7 for sign locations.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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W M Jones P.E.

0 40 80
1" = 40'
GRAPHIC SCALE

PLANT LEGEND

Sym	Common Name / Botanical Name
T1	Russian Olive
	Elaeagunus angustifolia
T2	Arizona Cypress
	Cupressus arizonica
T3	Arizona Ash
	Fraxinus velutina
T4	Canada Red Chokecherry
	Prunus virginiana 'Canada Red'
T5	New Mexico Olive
	Forestiera neomexicana
T6	Smoke Tree
	Cotinus coggygria
T7	Wichita Blue Juniper
	Juniperus scopulorum 'Wichita Blue'
T8	Soaptree Yucca
	Yucca elata
T9	London Plane Tree
	Platinus acerfolia
S1	Rabbit Brush
	Chrysothamnous nauseosus
S2	Red–leaf Japanese Barberry
	Berberis thunbergii 'Atropurpurea'
S3	Andorra Juniper
	Juniperus horizontalis 'Plumosa'
S4	Broadmoor Juniper
	Juniperus sabine 'Broadmoor'
S5	Silverberry
	Eleagnus pungens
S9	Blue Star Juniper
	Juniperus squamata 'Blue Star'
V1	Wintercreeper
	Euonymus fortunei
V2	Boston Ivy
	Parthenocissus tricuspidata
GC1	Creeping Rosemary
	Rosmarinus officinalis 'Prostratus'

YALE WALL PLANTER SEE ENLARGED PLAN SHEET 11–12

NATIVE TURF GRASS

ROADSIDE PLANTS SEE ENLARGED PLAN SHEET 11–12

APPROXIMATE LIMIT OF NEW LANDSCAPE

PROPOSED SCULPTURE LOCATION– A BOX WITH CONDUIT FOR FUTURE ELECTRIC POWER LOCATED HERE.

MEDIAN PLANTER–J SEE ENLARGED PLAN SHEET 11–7

DISTURBED AREAS OF EXISTING LANDSCAPE REMAINING ARE TO BE RESTORED TO ORIGINAL CONDITION.

EXISTING LANDSCAPE

OVERSEED EXISTING TURF GRASS WITH NATIVE TURF GRASS

MATCH LINE STA. 109+00 SEE SHEET 11–4

26-4044.91/20098

sp2in5-p.dwg 1=40 4-1-96

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AS BUILT INFORMATION

CONTRACTOR
STAKED BY DATE
INSPECTORS
ADDITIONS/DELETIONS BY DATE
FIELD TAKE'S BY
VERIFICATION BY DATE
NOTATIONS BY
CORRECTED BY DATE

MICRO–FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

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PROJECT: X=389231.63, Y=473027.84, EL=5310.21

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
			DESIGNED BY DD DATE MON DA, 1996
			DRAWN BY DD DA~" 5-28-96
			CHECKED BY JQP DATE MON DA, 1996

MOLZEN–CORBIN & Associates

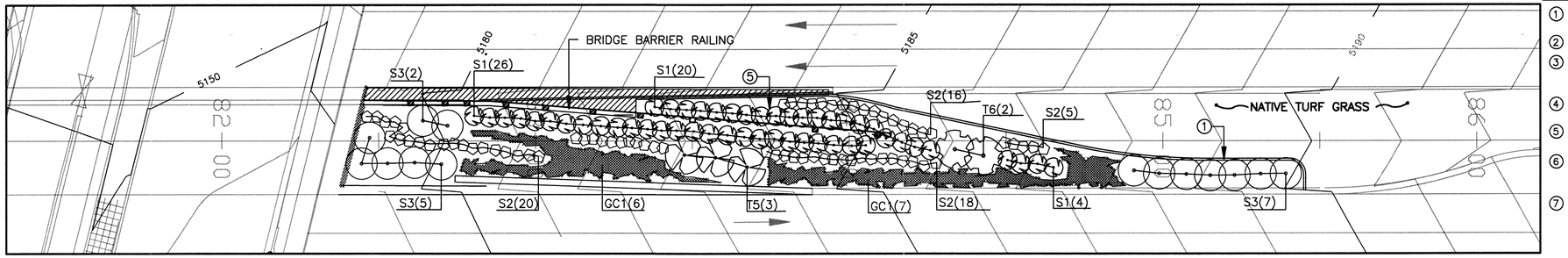
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

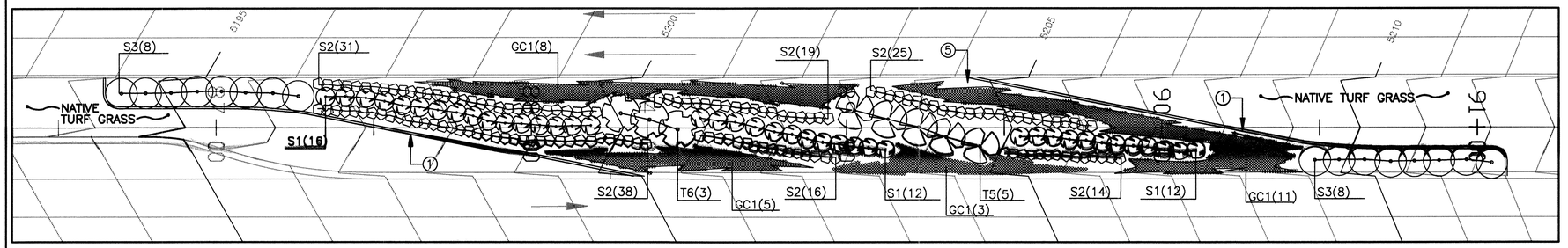
YALE BOULEVARD LANDSCAPE PLAN STA. 109+00 TO E.O.P.

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

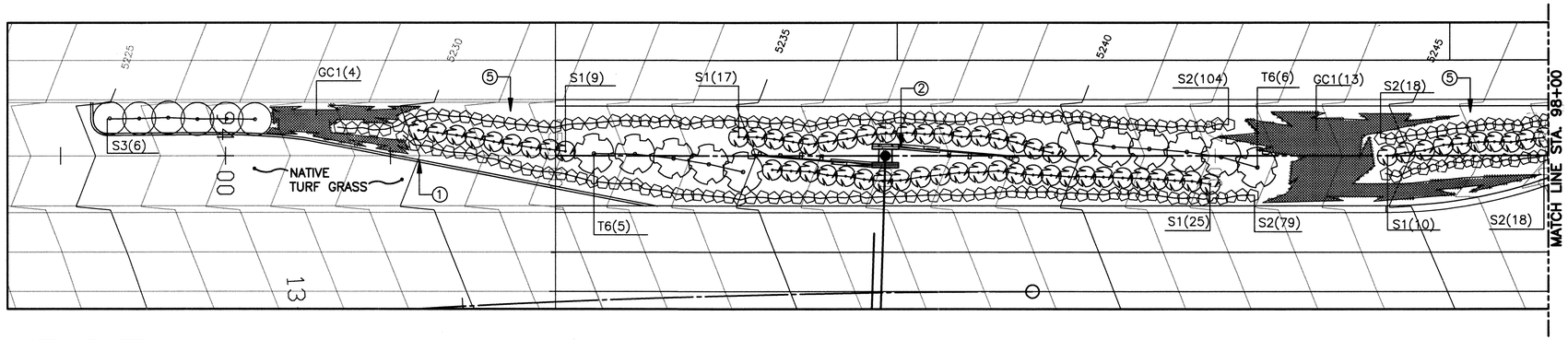
City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	11–5	



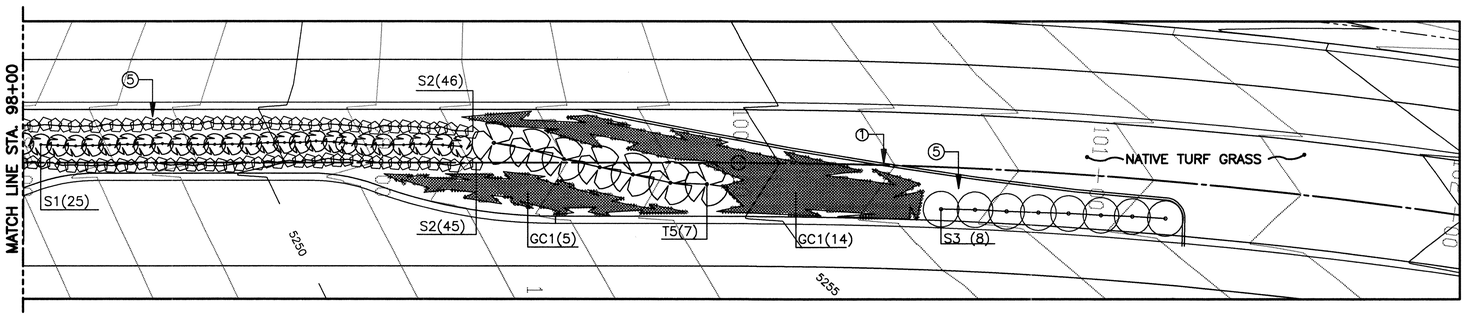
MEDIAN PLANTER–F



MEDIAN PLANTER–G



MEDIAN PLANTER–H



MEDIAN PLANTER–H

KEYED NOTES

1. Concrete Mow Strip. See COA Standard Specifications And Detail DWG. 2726.
2. Sign and sign post barrier. See sheet 2–60 for sign post barrier.
3. All disturbed areas are to be seeded with native seeding in accordance with COA Standard Specification 1012 NATIVE SEEDING as amended. Limit of new contours indicate approximate limits of native seeding.
4. Concrete mow strip with 1\2" expansion joint between mow strip and wall, similar to COA Standard Specifications and Detail DWG. 2726.
5. 4" depth of bark mulch in all planters in accordance with COA Standard Specification 1005 PLANTING and Detail DWG. 2718, SHRUB BED.
6. Pave areas indicated with 4" portland cement patterned concrete in accordance with COA Drawing 2502. Concrete pattern will be 12" by 12" square. Concrete will not be colored.
7. Exercise caution during seeding operations over HPDE membrane liner covering existing landfill. See landfill cover plans and details on sheet 11–15. There is a minimum of 4 feet of cover over the HDPE liner. The top 12 inches of cover is a vegetative layer and requires no soil preparation prior to seeding. Swales contain cement treated base or gravel mulch for erosion control.
8. 3" minimum round, grey, river run stone mulch in area between planter and curb.
9. Swales in turf grass to receive erosion control matting over seeding.
10. Concrete mow strip to conform to cross section of swale.
11. Concrete mow strip, see detail, sheet 11–13.

PLANT LEGEND

Sym	Common Name / Botanical Name
T1	Russian Olive
	Elaeagnus angustifolia
T2	Arizona Cypress
	Cupressus arizonica
T3	Arizona Ash
	Fraxinus velutina
T4	Canada Red Chokecherry
	Prunus virginiana 'Canada Red'
T5	New Mexico Olive
	Forestiera neomexicana
T6	Smoke Tree
	Cotinus coggygria
T7	Wichita Blue Juniper
	Juniperus scopulorum 'Wichita Blue'
T8	Soaptree Yucca
	Yucca elata
T9	London Plane Tree
	Platinus acerfolia
S1	Rabbit Brush
	Chrysothamnous nauseosus
S2	Red–leaf Japanese Barberry
	Berberis thunbergii 'Atropurpurea'
S3	Andorra Juniper
	Juniperus horizontalis 'Plumosa'
S4	Broadmoor Juniper
	Juniperus sabine 'Broadmoor'
S5	Silverberry
	Elaeagnus pungens
V1	Wintercreeper
	Euonymus fortunei
V2	Boston Ivy
	Parthenocissus tricuspidata
GC1	Creeping Rosemary
	Rosmarinus officinalis 'Prostratus'
GC2	English Ivy
	Hedera helix

0 20 40
1" = 20'
GRAPHIC SCALE

2C-40414.91/29198

W M Jones PE

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT. THESE DRAWINGS WERE ORIGINALLY PREPARED IN CADD FORMAT AND APPROVED FOR CONSTRUCTION BY THE CITY ENGINEER ON 5/30/96. DRAWINGS INCLUDED IN THIS SET WHICH DO NOT HAVE ORIGINAL DRC SIGNATURES HAVE BEEN MODIFIED AND REPLOTTED FOR RECORD DRAWING PURPOSES.

AS BUILT INFORMATION

CONTRACTOR — DATE
STAKED BY — DATE
ACCEPTANCE BY — DATE
FIELD VERIFICATIONS BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO–FILM INFORMATION

RECORDED BY — DATE
NO.

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1939". SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY DD	DATE 5–10–1996
		DRAWN BY DD	DATE 5–10–1996
		CHECKED BY JQP	DATE 5–10–1996

MOLZEN–CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

MEDIAN PLANTER DETAIL
MEDIAN PLANTERS F, G, & H

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	11–6	

sp MEDET1.dwg 3–29–96 1=20

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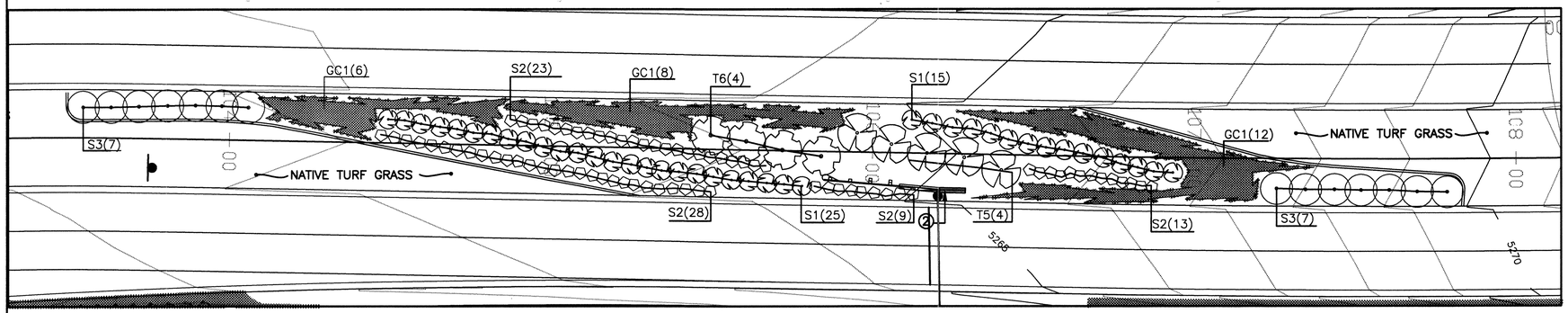
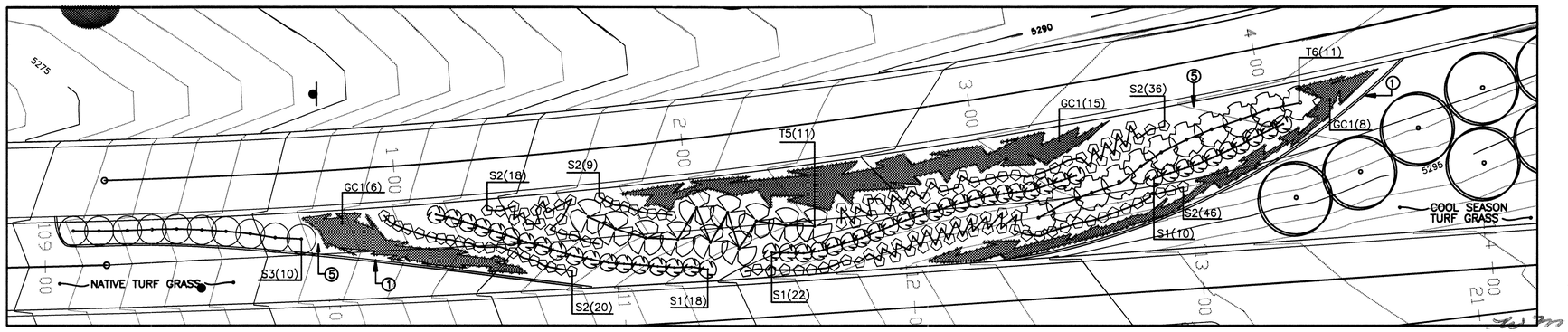
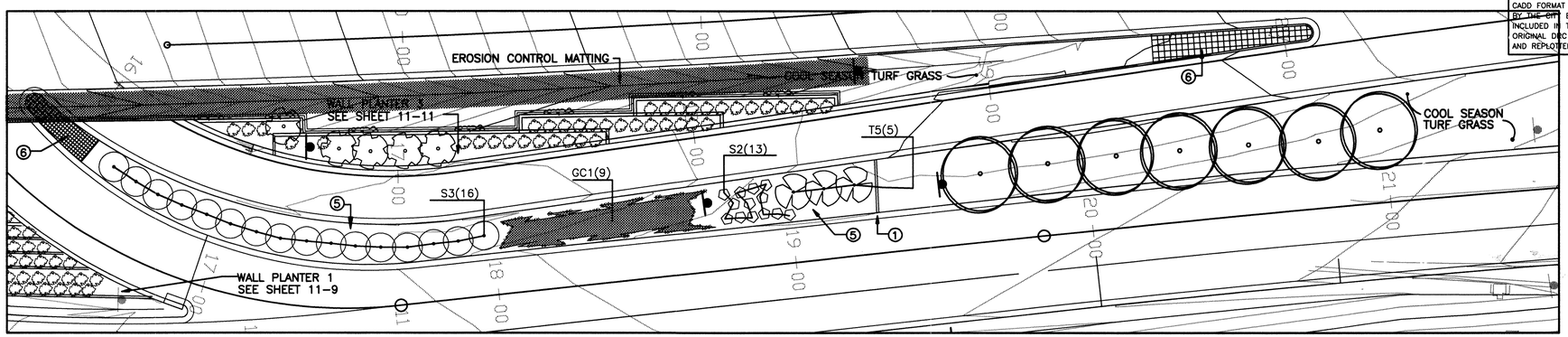


MEDIAN PLANTER–I



MEDIAN PLANTER–J



MEDIAN PLANTER–K

KEYED NOTES

1. Concrete Mow Strip. See COA Standard Specifications And Detail DWG. 2726.
2. Sign and sign post barrier. See sheet 2–60 for sign post barrier.
3. All disturbed areas are to be seeded with native seeding in accordance with COA Standard Specification 1012 NATIVE SEEDING as amended. Limit of new contours indicate approximate limits of native seeding.
4. Concrete mow strip with 1\2" expansion joint between mow strip and wall, similar to COA Standard Specifications and Detail DWG. 2726.
5. 4" depth of bark mulch in all planters in accordance with COA Standard Specification 1005 PLANTING and Detail DWG. 2718, SHRUB BED.
6. Pave areas indicated with 4" portland cement patterned concrete in accordance with COA Drawing 2502. Concrete pattern will be 12" by 12" square. Concrete will not be colored.
7. Exercise caution during seeding operations over HPDE membrane liner covering existing landfill. See landfill cover plans and details on sheet 11–15. There is a minimum of 4 feet of cover over the HDPE liner. The top 12 inches of cover is a vegetative layer and requires no soil preparation prior to seeding. Swales contain cement treated base or gravel mulch for erosion control.
8. 3" minimum round, grey, river run stone mulch in area between planter and curb.
9. Swales in turf grass to receive erosion control matting over seeding.
10. Concrete mow strip to conform to cross section of swale.
11. Concrete mow strip, see detail, sheet 11–13.

PLANT LEGEND

Sym	Common Name / Botanical Name
T1	Russian Olive
	Elaeagunus angustifolia
T2	Arizona Cypress
	Cupressus arizonica
T3	**Arizona Ash**
	Fraxinus velutina
T4	Canada Red Chokecherry
	Prunus virginiana 'Canada Red'
T5	New Mexico Olive
	Forestiera neomexicana
T6	Smoke Tree
	Cotinus coggygria
T7	Wichita Blue Juniper
	Juniperus scopulorum 'Wichita Blue'
T8	Soaptree Yucca
	Yucca elata
T9	London Plane Tree
	Platinus acerfolia
S1	Rabbit Brush
	Chrysothamnous nauseosus
S2	Red–leaf Japanese Barberry
	Berberis thunbergii 'Atropurpurea'
S3	Andorra Juniper
	Juniperus horizontalis 'Plumosa'
S4	Broadmoor Juniper
	Juniperus sabine 'Broadmoor'
S5	Silverberry
	Elaeagnus pungens
V1	Wintercreeper
	Euonymus fortunei
V2	Boston Ivy
	Parthenocissus tricuspidata
GC1	Creeping Rosemary
	Rosmarinus officinalis 'Prostratus'
GC2	English Ivy
	Hedera helix

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT. THESE DRAWINGS WERE ORIGINALLY PREPARED IN CADD FORMAT AND APPROVED FOR CONSTRUCTION BY THE CITY ENGINEER ON 5/30/96. DRAWINGS INCLUDED IN THIS SET WHICH DO NOT HAVE ORIGINAL D&C SIGNATURES HAVE BEEN MODIFIED AND REPLOTTED FOR RECORD DRAWING PURPOSES.

William Jones P.E.

0 20 40
1" = 20'
GRAPHIC SCALE

26-140444.91/260298

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
INSPECTORS — DATE
FIELD REVISIONS BY — DATE
FINAL DRAWINGS CORRECTED BY — DATE

BENCH MARKS
STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL=5310.21

MICRO–FILM INFORMATION
RECORDED BY — DATE
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY DD — DATE 5-28-1996	
		DRAWN BY DD — DATE 5-28-1996	
		CHECKED BY JQP — DATE 5-28-1996	

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

MEDIAN PLANTER DETAIL
MEDIAN PLANTERS I, J, & K

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	11–7	

SPMEDDET.DWG 3-1-96 1=20

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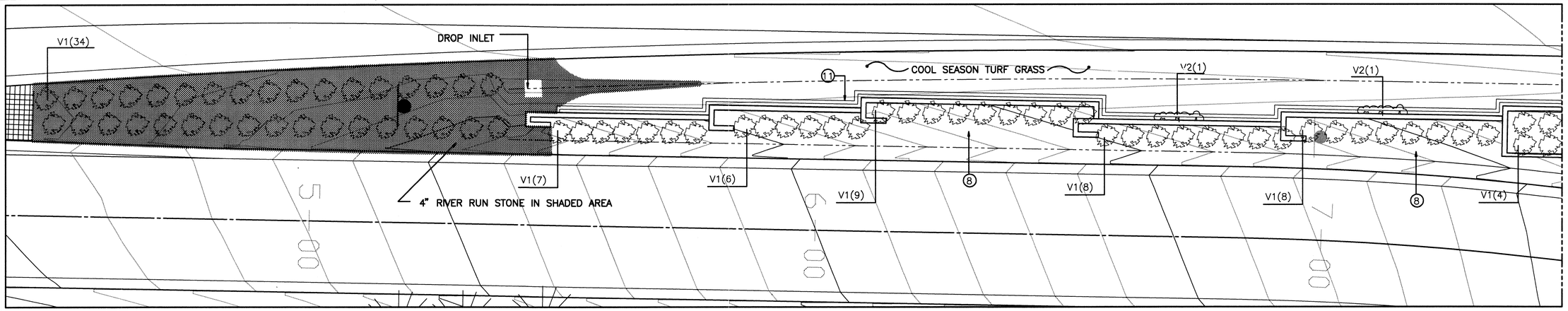
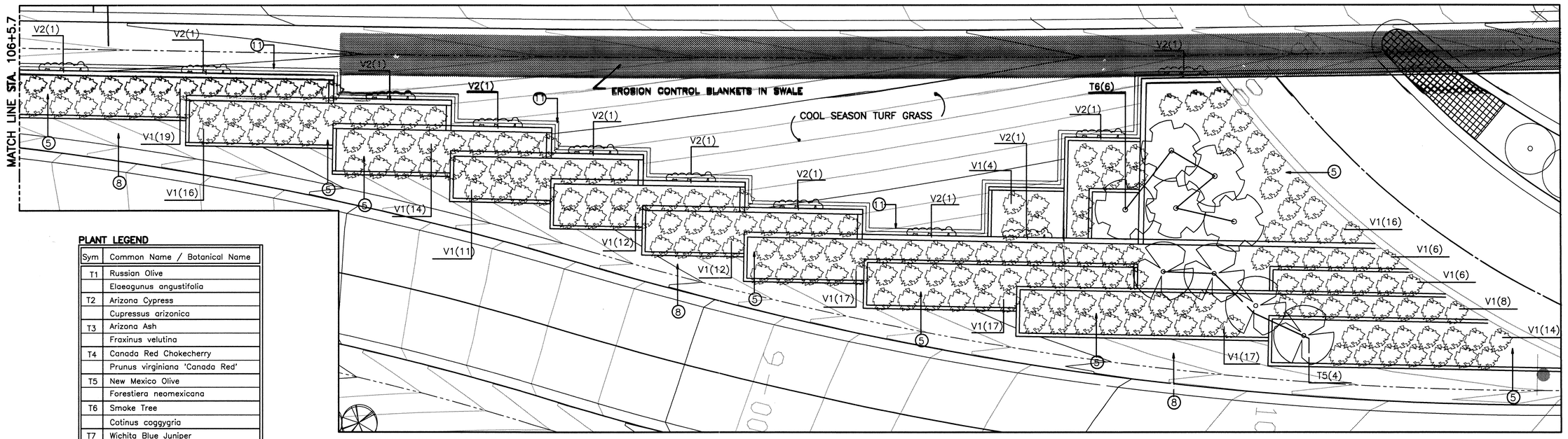


PLAN DETAIL WALL PLANTER 1



PLAN DETAIL WALL PLANTER 1

PLANT LEGEND

Sym	Common Name / Botanical Name
T1	Russian Olive
	Elaeagunus angustifolia
T2	Arizona Cypress
	Cupressus arizonica
T3	Arizona Ash
	Fraxinus velutina
T4	Canada Red Chokecherry
	Prunus virginiana 'Canada Red'
T5	New Mexico Olive
	Forestiera neomexicana
T6	Smoke Tree
	Cotinus coggygria
T7	Wichita Blue Juniper
	Juniperus scopulorum 'Wichita Blue'
T8	Soaptree Yucca
	Yucca elata
T9	London Plane Tree
	Platinus acerfolia
S1	Rabbit Brush
	Chrysothamnous nauseosus
S2	Red-leaf Japanese Barberry
	Berberis thunbergii 'Atropurpurea'
S3	Andorra Juniper
	Juniperus horizontalis 'Plumosa'
S4	Broadmoor Juniper
	Juniperus sabine 'Broadmoor'
S5	Silverberry
	Elaeagnus pungens
V1	Wintercreeper
	Euonymus fortunei
V2	Boston Ivy
	Parthenocissus tricuspidata
GC1	Creeping Rosemary
	Rosmarinus officinalis 'Prostratus'
GC2	English Ivy
	Hedera helix

KEYED NOTES

1. Concrete Mow Strip. See COA Standard Specifications And Detail DWG. 2726.
2. Sign and sign post barrier. See sheet 2-60 for sign post barrier.
3. All disturbed areas are to be seeded with native seeding in accordance with COA Standard Specification 1012 NATIVE SEEDING as amended. Limit of new contours indicate approximate limits of native seeding.
4. Concrete mow strip with 1\2" expansion joint between mow strip and wall, similar to COA Standard Specifications and Detail DWG. 2726.
5. 4" depth of bark mulch in all planters in accordance with COA Standard Specification 1005 PLANTING and Detail DWG. 2718, SHRUB BED.
6. Pave areas indicated with 4" portland cement patterned concrete in accordance with COA Drawing 2502. Concrete pattern will be 12" by 12" square. Concrete will not be colored.
7. Exercise caution during seeding operations over HPDE membrane liner covering existing landfill. See landfill cover plans and details on sheet 11-15. There is a minimum of 4 feet of cover over the HDPE liner. The top 12 inches of cover is a vegetative layer and requires no soil preparation prior to seeding. Swales contain cement treated base or gravel mulch for erosion control.
8. 3" minimum round, grey, river run stone mulch in area between planter and curb.
9. Swales in turf grass to receive erosion control matting over seeding.
10. Concrete mow strip to conform to cross section of swale.
11. Concrete mow strip, see detail, sheet 11-13.

GENERAL NOTES

A. See complete plant schedule sheet 11-13.

B. All planting areas except areas to receive native seeding are to be irrigated. See irrigation sheets 11-17 through 11-29.

C. Refer to COA (City of Albuquerque) Standard Specification 1005 PLANTING for landscape specifications regarding trees, shrubs, and planters.

D. Areas indicated as cool season turf grass are to match existing grass. (See Sheet 11-13 for seed mix.) Areas indicated as native turf grass are to be seeded with a native seed mix. (See Sheet 11-13 for seed mix.) Refer To COA (City of Albuquerque) Standard Specification 1011 TURF GRASS as amended for information regarding cool season turf grass and native turf grass installation.

E. Refer to COA (City of Albuquerque) standard specification 1012 NATIVE SEEDING as amended for information regarding native grass seed installation. See sheet 11-13 for native seed mix.

F. Refer to COA Standard Details for Public Works Projects for general information regarding planting turf grass, native seeds, trees, and shrubs.

G. All irrigation heads are to be placed 18" minimum from edge of asphalt or back of curb.

H. Tom Ellis Is Design And Development contact for field inspection and testing. He should be notified 24 hours in advance at 857-8650.

I. Refer to sheets 8-1 through 8-7 for sign locations.

0 10 20
1" = 10'
GRAPHIC SCALE

26-4049.9120398

N

wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT. THESE DRAWINGS WERE ORIGINALLY PREPARED IN CADD FORMAT AND APPROVED FOR CONSTRUCTION BY THE CITY ENGINEER ON 5/30/96. DRAWINGS INCLUDED IN THIS SET WHICH DO NOT HAVE ORIGINAL DRC SIGNATURES HAVE BEEN MODIFIED AND REPLOTTED FOR RECORD DRAWING PURPOSES.

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

WALL PLANTER DETAIL
WALL PLANTER 1

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	11-8	

AS BUILT INFORMATION

CONTRACTOR
STAKED BY — DATE
INSPECTORS
FIELD FINANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL=5310.21

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY DD — DATE 5-10-96	
		DRAWN BY DD — DATE 5-10-96	
		CHECKED BY JQP — DATE 5-10-96	

sp-WLPL1.dwg 1=20 2-14-96

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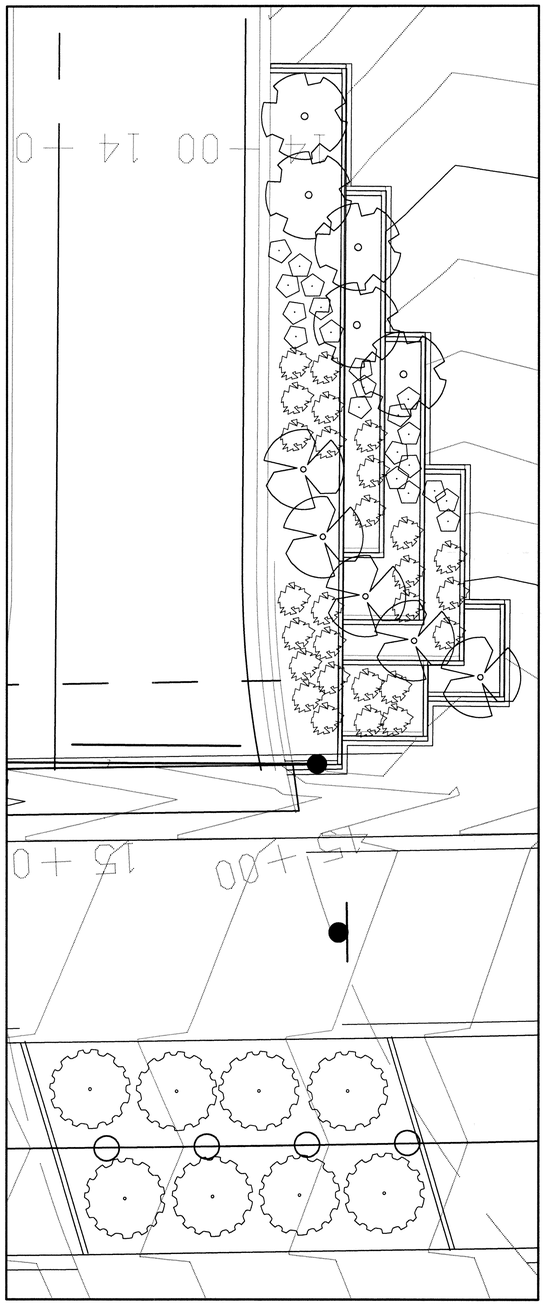


PLAN DETAIL–WALL PLANTER 2

PLANT LEGEND

Sym	Common Name / Botanical Name
T1	Russian Olive
	Elaeagunus angustifolia
T2	Arizona Cypress
	Cupressus arizonica
T3	Arizona Ash
	Fraxinus velutina
T4	Canada Red Chokecherry
	Prunus virginiana 'Canada Red'
T5	New Mexico Olive
	Forestiera neomexicana
T6	Smoke Tree
	Cotinus coggygria
T7	Wichita Blue Juniper
	Juniperus scopulorum 'Wichita Blue'
T8	Soaptree Yucca
	Yucca elata
T9	London Plane Tree
	Platinus acerfolia
S1	Rabbit Brush
	Chrysothamnous nauseosus
S2	Red–leaf Japanese Barberry
	Berberis thunbergii 'Atropurpurea'
S3	Andorra Juniper
	Juniperus horizontalis 'Plumosa'
S4	Broadmoor Juniper
	Juniperus sabine 'Broadmoor'
S5	Silverberry
	Elaeagnus pungens
V1	Wintercreeper
	Euonymus fortunei
V2	Boston Ivy
	Parthenocissus tricuspidata
GC1	Creeping Rosemary
	Rosmarinus officinalis 'Prostratus'
GC2	English Ivy
	Hedera helix

GENERAL NOTES

A. See complete plant schedule sheet 11–13.

B. All planting areas except areas to receive native seeding are to be irrigated. See irrigation sheets 11–17 through 11–29.

C. Refer to COA (City of Albuquerque) Standard Specification 1005 PLANTING for landscape specifications regarding trees, shrubs, and planters.

D. Areas indicated as cool season turf grass are to match existing grass. (See Sheet 11–13 for seed mix.)
Areas indicated as native turf grass are to be seeded with a native seed mix. (See Sheet 11–13 for seed mix.)
Refer To COA (City of Albuquerque) Standard Specification 1011 TURF GRASS as amended for information regarding cool season turf grass and native turf grass installation.

E. Refer to COA (City of Albuquerque) standard specification 1012 NATIVE SEEDING as amended for information regarding native grass seed installation. See sheet 11–13 for native seed mix.

F. Refer to COA Standard Details for Public Works Projects for general information regarding planting turf grass, native seeds, trees, and shrubs.

G. All irrigation heads are to be placed 18" minimum from edge of asphalt or back of curb.

H. Tom Ellis Is Design And Development contact for field inspection and testing. He should be notified 24 hours in advance at 857–8650.

I. Refer to sheets 8–1 through 8–7 for sign locations.

KEYED NOTES

(1) Concrete Mow Strip. See COA Standard Specifications And Detail DWG. 2726.

(2) Sign and sign post barrier. See sheet 2–60 for sign post barrier.

(3) All disturbed areas are to be seeded with native seeding in accordance with COA Standard Specification 1012 NATIVE SEEDING as amended. Limit of new contours indicate approximate limits of native seeding.

(4) Concrete mow strip with 1\2" expansion joint between mow strip and wall, similar to COA Standard Specifications and Detail DWG. 2726.

(5) 4" depth of bark mulch in all planters in accordance with COA Standard Specification 1005 PLANTING and Detail DWG. 2718, SHRUB BED.

(6) Pave areas indicated with 4" portland cement patterned concrete in accordance with COA Drawing 2502. Concrete pattern will be 12" by 12" square. Concrete will not be colored.

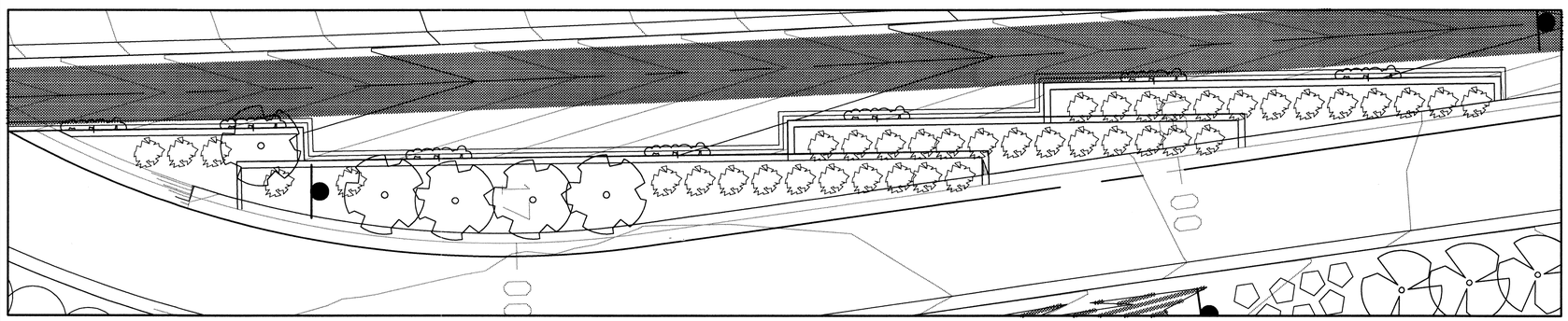
(7) Exercise caution during seeding operations over HPDE membrane liner covering existing landfill. See landfill cover plans and details on sheet 11–15. There is a minimum of 4 feet of cover over the HDPE liner. The top 12 inches of cover is a vegetative layer and requires no soil preparation prior to seeding. Swales contain cement treated base or gravel mulch for erosion control.

(8) 3" minimum round, grey, river run stone mulch in area between planter and curb.

(9) Swales in turf grass to receive erosion control matting over seeding.

(10) Concrete mow strip to conform to cross section of swale.

(11) Concrete mow strip, see detail, sheet 11–13.



PLAN DETAIL–WALL PLANTER 3

AS BUILT INFORMATION
CONTRACTOR
STAKED BY DATE
INSPECTOR'S
FIELD STAKES BY DATE
FIELD VERIFICATION BY DATE
DRAWING CORRECTED BY DATE

BENCH MARKS
STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

MICRO–FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

NO.	DATE	REMARKS
		REVISIONS
		DESIGN
	DATE 5–10–96	DESIGNED BY DD
	DATE 5–10–96	DRAWN BY DD
	DATE 5–10–96	CHECKED BY JQP

MOLZEN–CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

WALL PLANTER DETAIL
WALL PLANTER 2 & 3

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 4044.91 | Zone Map No. M15&16 | Sheet 11–9 Of

2C-4044.91/2498

RECORD DRAWING

wm Jones P.E

DATE:	DRAFTED BY:
11/03/97	O.V.

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT. THESE DRAWINGS WERE ORIGINALLY PREPARED IN CADD FORMAT AND APPROVED FOR CONSTRUCTION BY THE CITY ENGINEER ON 5/30/96. DRAWINGS INCLUDED IN THIS SET WHICH DO NOT HAVE ORIGINAL DRC SIGNATURES HAVE BEEN MODIFIED AND REPLOTTED FOR RECORD DRAWING PURPOSES.

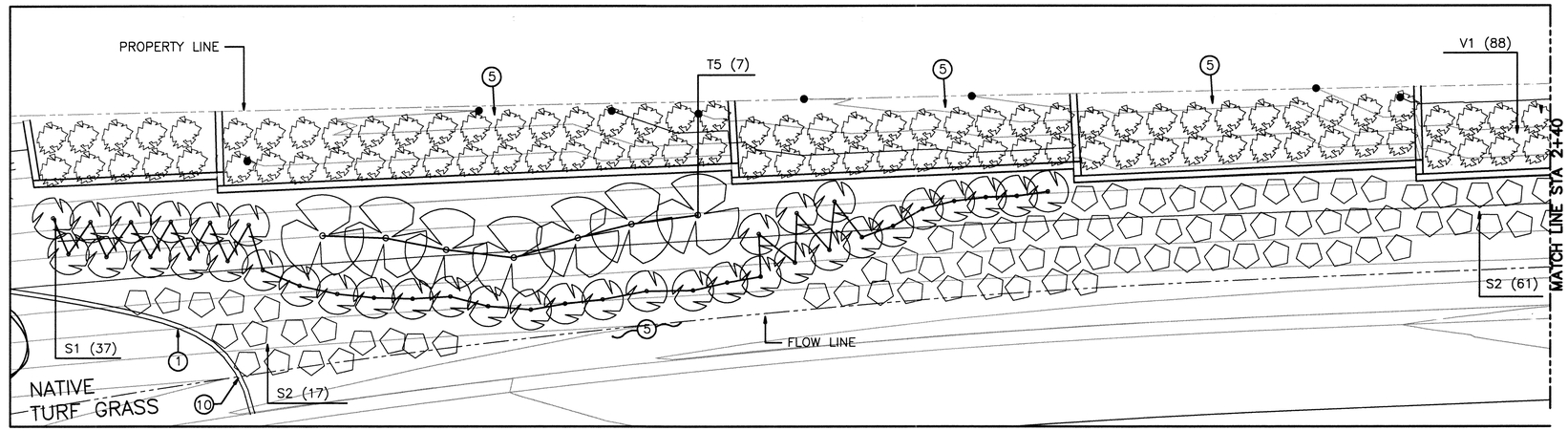
N

0 10 20

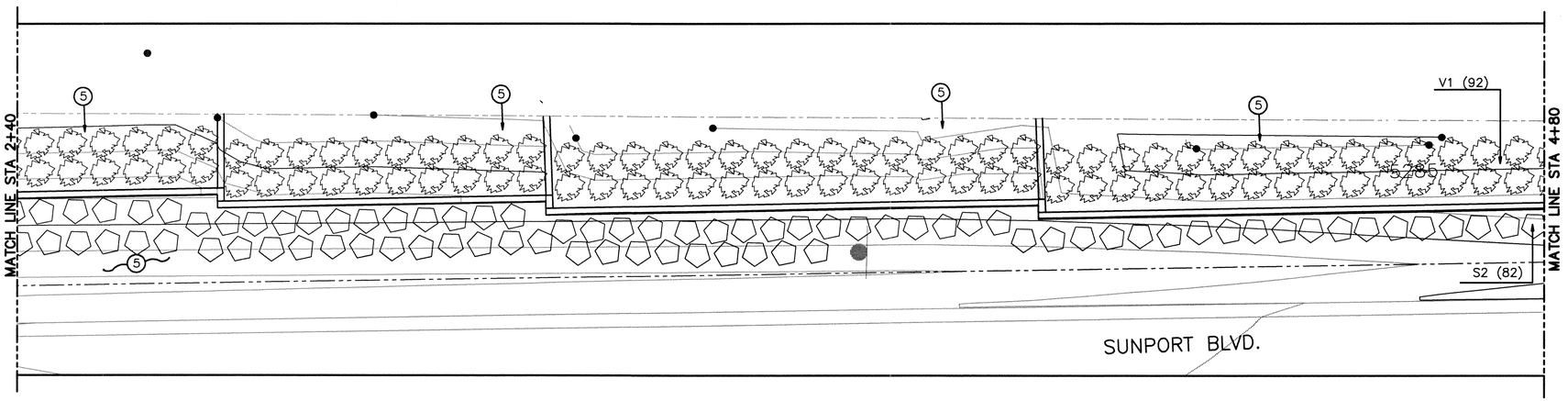
1" = 10'
GRAPHIC SCALE

© COPYRIGHT

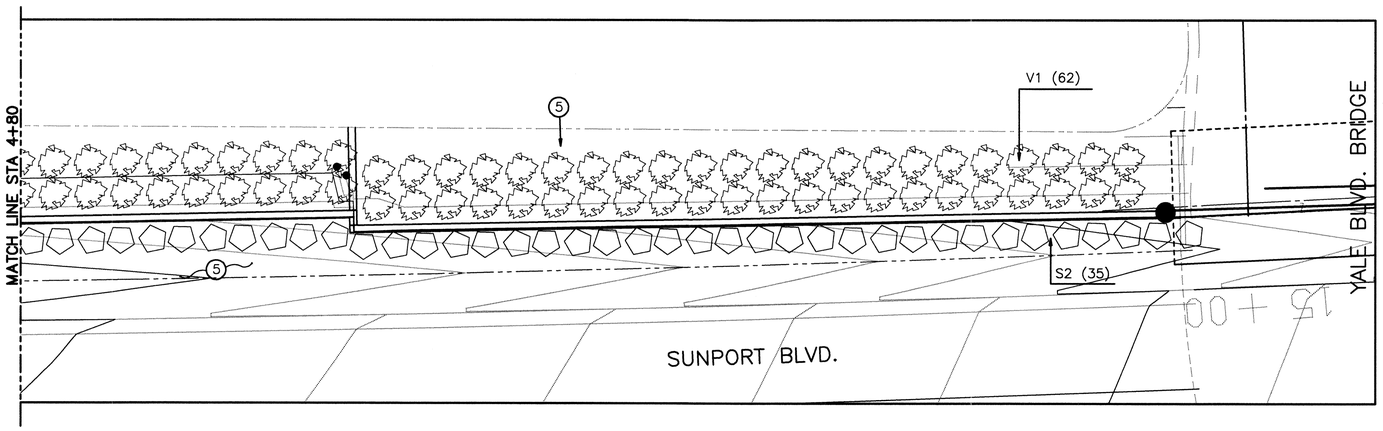
sp-plpl-3.dwg 1=10 2-20-96



PLAN DETAIL–WALL PLANTER 4



PLAN DETAIL–WALL PLANTER 4



PLAN DETAIL–WALL PLANTER 4

KEYED NOTES

1. Concrete Mow Strip. See COA Standard Specifications And Detail DWG. 2726.
2. Sign and sign post barrier. See sheet 2–60 for sign post barrier.
3. All disturbed areas are to be seeded with native seeding in accordance with COA Standard Specification 1012 NATIVE SEEDING as amended. Limit of new contours indicate approximate limits of native seeding.
4. Concrete mow strip with 1\2" expansion joint between mow strip and wall, similar to COA Standard Specifications and Detail DWG. 2726.
5. 4" depth of bark mulch in all planters in accordance with COA Standard Specification 1005 PLANTING and Detail DWG. 2718, SHRUB BED.
6. Pave areas indicated with 4" portland cement patterned concrete in accordance with COA Drawing 2502. Concrete pattern will be 12" by 12" square. Concrete will not be colored.
7. Exercise caution during seeding operations over HPDE membrane liner covering existing landfill. See landfill cover plans and details on sheet 11–15. There is a minimum of 4 feet of cover over the HDPE liner. The top 12 inches of cover is a vegetative layer and requires no soil preparation prior to seeding. Swales contain cement treated base or gravel mulch for erosion control.
8. 3" minimum round, grey, river run stone mulch in area between planter and curb.
9. Swales in turf grass to receive erosion control matting over seeding.
10. Concrete mow strip to conform to cross section of swale.
11. Concrete mow strip, see detail, sheet 11–13.

PLANT LEGEND

Sym	Common Name / Botanical Name
T1	Russian Olive
	Elaeagunus angustifolia
T2	Arizona Cypress
	Cupressus arizonica
T3	Arizona Ash
	Fraxinus velutina
T4	Canada Red Chokecherry
	Prunus virginiana 'Canada Red'
T5	New Mexico Olive
	Forestiera neomexicana
T6	Smoke Tree
	Cotinus coggygria
T7	Wichita Blue Juniper
	Juniperus scopulorum 'Wichita Blue'
T8	Soaptree Yucca
	Yucca elata
T9	London Plane Tree
	Platinus acerfolia
S1	Rabbit Brush
	Chrysothamnous nauseosus
S2	Red–leaf Japanese Barberry
	Berberis thunbergii 'Atropurpurea'
S3	Andorra Juniper
	Juniperus horizontalis 'Plumosa'
S4	Broadmoor Juniper
	Juniperus sabine 'Broadmoor'
S5	Silverberry
	Elaeagnus pungens
V1	Wintercreeper
	Euonymus fortunei
V2	Boston Ivy
	Parthenocissus tricuspidata
GC1	Creeping Rosemary
	Rosmarinus officinalis 'Prostratus'
GC2	English Ivy
	Hedera helix

0 10 20
1" = 10'
GRAPHIC SCALE

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT. THESE DRAWINGS WERE ORIGINALLY PREPARED IN CADD FORMAT AND APPROVED FOR CONSTRUCTION E/ THE CITY ENGINEER ON 5/30/96. DRAWINGS INCLUDED IN THIS SET WHICH DO NOT HAVE ORIGINAL DRC SIGNATURES HAVE BEEN MODIFIED AND REPLOTTED FOR RECORD DRAWING PURPOSES.

AS BUILT INFORMATION

	CONTRACTOR STAKED BY	DATE
	INSPECTOR'S MARKINGS BY	DATE
	FIELD VERIFICATION BY	DATE
	DRAWING CORRECTED BY	DATE

MICRO–FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY DD	DATE 5–10–96
		DRAWN BY DD	DATE 5–10–96
		CHECKED BY JQP	DATE 5–10–96

MOLZEN–CORBIN & Associates

26-90944.9/1265798

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

WALL PLANTER DETAIL
WALL PLANTER NO. 4
& ROADSIDE PLANTER

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	11–10	

sp\WLPL5.dwg 1=10 2-22-96

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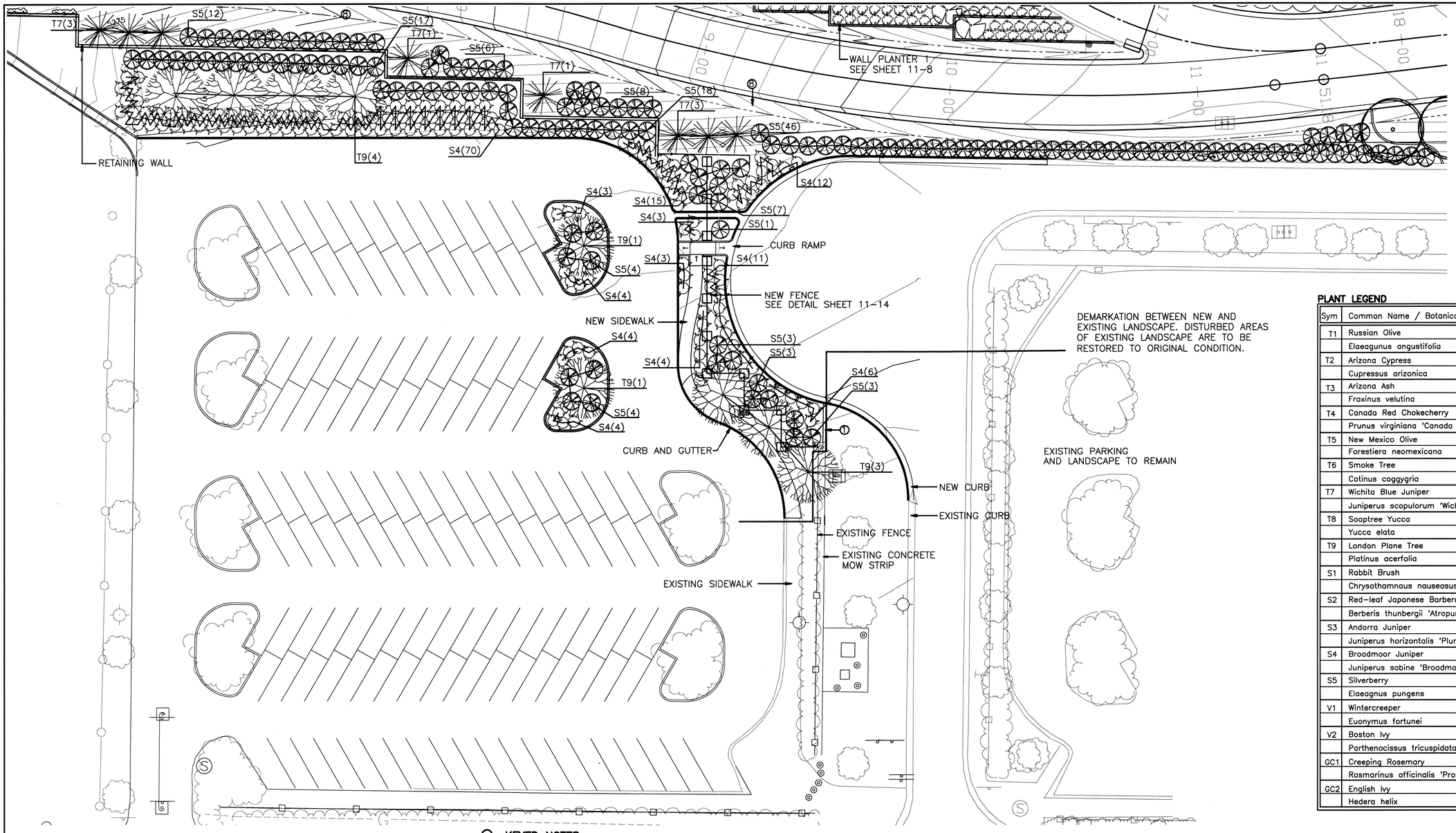

PLANT LEGEND

Sym	Common Name / Botanical Name
T1	Russian Olive
	Elaeagunus angustifolia
T2	Arizona Cypress
	Cupressus arizonica
T3	Arizona Ash
	Fraxinus velutina
T4	Canada Red Chokecherry
	Prunus virginiana 'Canada Red'
T5	New Mexico Olive
	Forestiera neomexicana
T6	Smoke Tree
	Cotinus coggygria
T7	Wichita Blue Juniper
	Juniperus scopulorum 'Wichita Blue'
T8	Soaptree Yucca
	Yucca elata
T9	London Plane Tree
	Platinus acerfolia
S1	Rabbit Brush
	Chrysothamnous nauseosus
S2	Red-leaf Japanese Barberry
	Berberis thunbergii 'Atropurpurea'
S3	Andorra Juniper
	Juniperus horizontalis 'Plumosa'
S4	Broadmoor Juniper
	Juniperus sabine 'Broadmoor'
S5	Silverberry
	Elaeagnus pungens
V1	Wintercreeper
	Euonymus fortunei
V2	Boston Ivy
	Parthenocissus tricuspidata
GC1	Creeping Rosemary
	Rosmarinus officinalis 'Prostratus'
GC2	English Ivy
	Hedera helix

GENERAL NOTES

A. See complete plant schedule sheet 11-13.

B. All planting areas except areas to receive native seeding are to be irrigated. See irrigation sheets 11-17 through 11-29.

C. Refer to COA (City of Albuquerque) Standard Specification 1005 PLANTING for landscape specifications regarding trees, shrubs, and planters.

D. Areas indicated as cool season turf grass are to match existing grass. (See Sheet 11-13 for seed mix.)
Areas indicated as native turf grass are to be seeded with a native seed mix. (See Sheet 11-13 for seed mix.)
Refer To COA (City of Albuquerque) Standard Specification 1011 TURF GRASS as amended for information regarding cool season turf grass and native turf grass installation.

E. Refer to COA (City of Albuquerque) standard specification 1012 NATIVE SEEDING as amended for information regarding native grass seed installation. See sheet 11-13 for native seed mix.

F. Refer to COA Standard Details for Public Works Projects for general information regarding planting turf grass, native seeds, trees, and shrubs.

G. All irrigation heads are to be placed 18" minimum from edge of asphalt or back of curb.

H. Tom Ellis Is Design And Development contact for field inspection and testing. He should be notified 24 hours in advance at 857-8650.

I. Refer to sheets 8-1 through 8-7 for sign locations.

KEYED NOTES

1. Concrete Mow Strip. See COA Standard Specifications And Detail DWG. 2726.
2. Sign and sign post barrier. See sheet 2-60 for sign post barrier.
3. All disturbed areas are to be seeded with native seeding in accordance with COA Standard Specification 1012 NATIVE SEEDING as amended. Limit of new contours indicate approximate limits of native seeding.
4. Concrete mow strip with 1\2" expansion joint between mow strip and wall, similar to COA Standard Specifications and Detail DWG. 2726.
5. 4" depth of bark mulch in all planters in accordance with COA Standard Specification 1005 PLANTING and Detail DWG. 2718, SHRUB BED.
6. Pave areas indicated with 4" portland cement patterned concrete in accordance with COA Drawing 2502. Concrete pattern will be 12" by 12" square. Concrete will not be colored.
7. Exercise caution during seeding operations over HPDE membrane liner covering existing landfill. See landfill cover plans and details on sheet 11-15. There is a minimum of 4 feet of cover over the HDPE liner. The top 12 inches of cover is a vegetative layer and requires no soil preparation prior to seeding. Swales contain cement treated base or gravel mulch for erosion control.
8. 3" minimum round, grey, river run stone mulch in area between planter and curb.
9. Swales in turf grass to receive erosion control matting over seeding.
10. Concrete mow strip to conform to cross section of swale.
11. Concrete mow strip, see detail, sheet 11-13.

0 20 40
1" = 20'
GRAPHIC SCALE

26-4044.9 | 20698

W M Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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ENGINEER'S SEAL

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1935", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

AS BUILT INFORMATION

CONTRACTOR
STAKED BY — DATE
INSPECTOR'S
ACTUAL STAKES BY — DATE
FIELD
VERIFICATION BY — DATE
REMARKS
CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
DESIGNED BY	DD	DATE	5-10-96
DRAWN BY	DD	DATE	5-10-96
CHECKED BY	JQP	DATE	5-10-96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

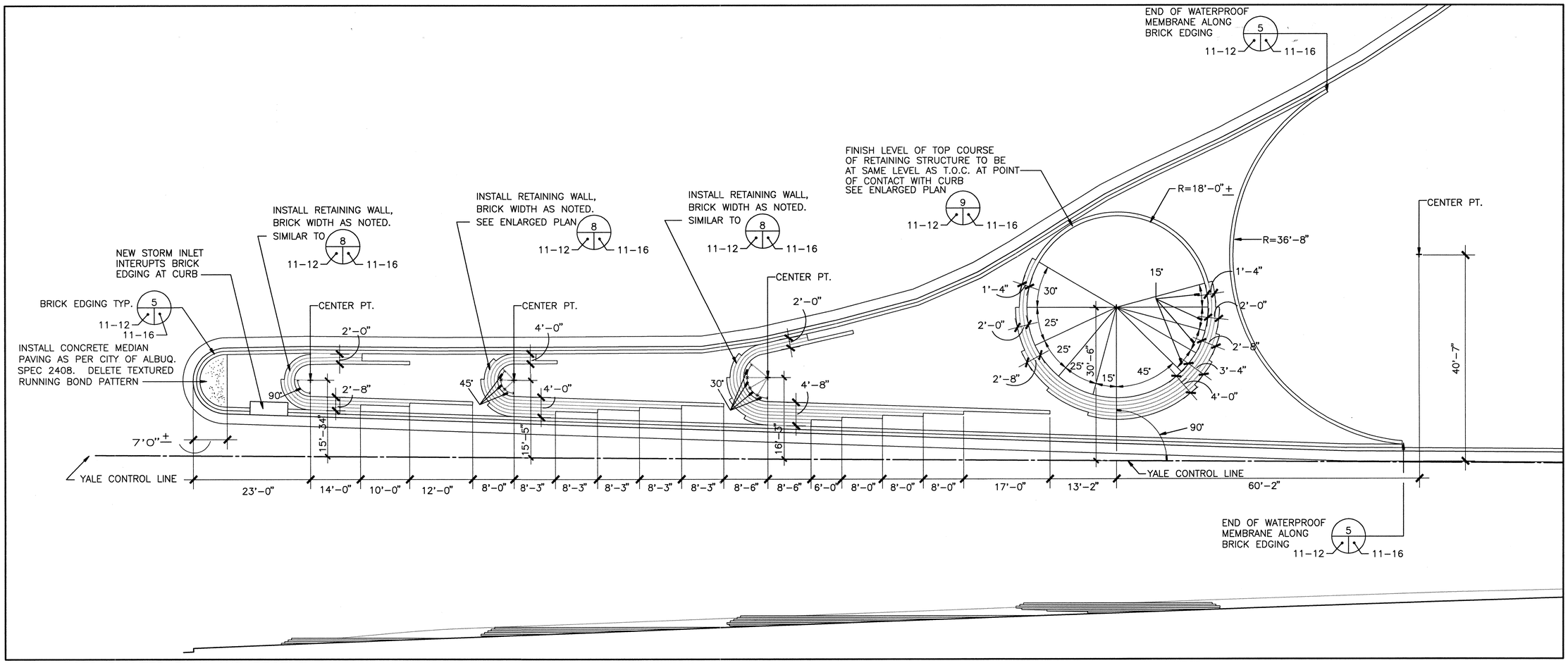
TITLE: SUNPORT BOULEVARD - PHASE II

SUNPORT BOULEVARD
LANDSCAPE PLAN
EMPLOYEE PARKING LOT

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

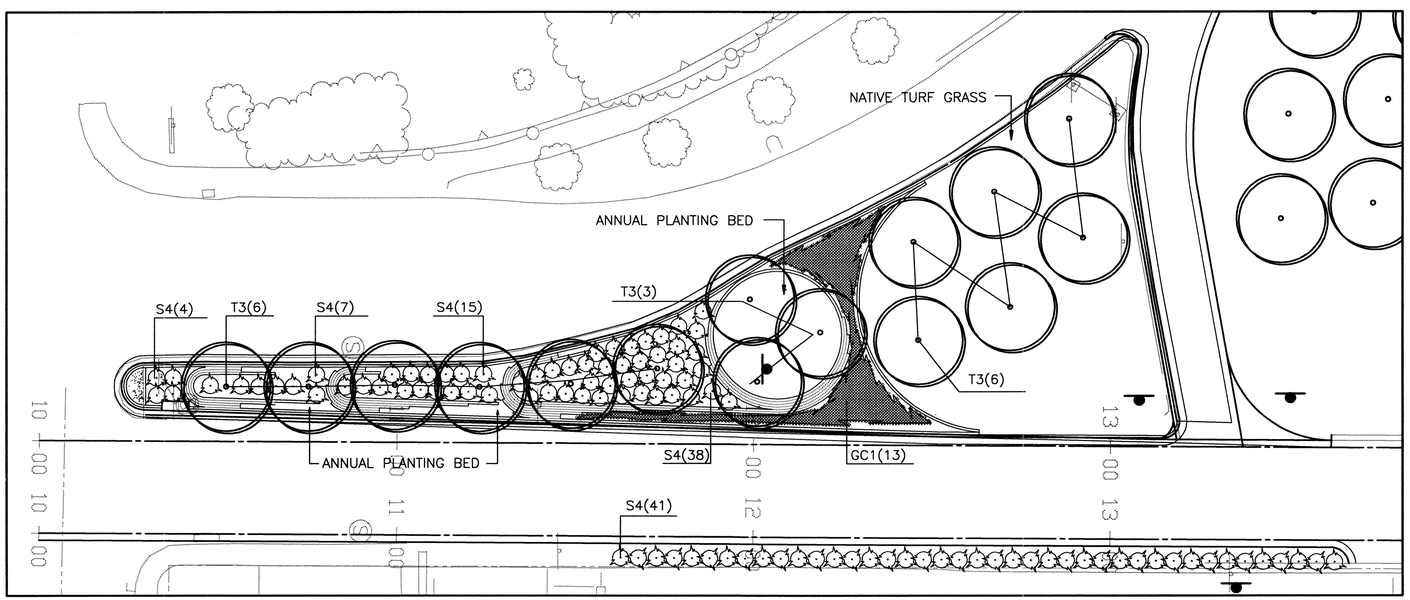
City Project No.	Zone Map No.	Sheet	Of
4049.91	M15&16	11-11	

sp-empark.dwg 1=20 3-3-96



ENLARGED PLANTER PLAN AND PROFILE

SCALE 1"=10'0"



ENLARGED PLANTING PLAN

SCALE 1"=20'0"

3-4-96
1=20
spy1det.dwg

AS BUILT INFORMATION

CONTRACTOR WORK STARTED BY — DATE
INSPECTION WORK ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1939". SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY DD DATE 5-10-96	
		DRAWN BY DD DATE 5-10-96	
		CHECKED BY JQP DATE 5-10-96	

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

YALE BOULEVARD
MEDIAN PLANTER DETAIL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 4044.91 | Zone Map No. M15&16 | Sheet 11–12 Of

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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W. M. Jones P.E.

2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-404/4.91120798

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ESTIMATED QUANTITIES

SEED MIXES	Item No.	Purity	Acres
Cool Season Turf Grass Seeding *	212012		1.4
Kentucky Blue Grass var. Baron		28.06%	
Poa pratensis			
Ryegrass var. Pinnacle		13.58%	
Lolium perenne			
Fescue, Tall		28.30%	
Festuca (Apache)			
Fescue, (Tall)		07.11%	
Festuca (Olympic)			
Fescue, Tall		01.77%	
Festuca (Adobe)			
Fescue, Tall		01.80%	
Festuca (Saphire)			
Native Turf Grass Seeding **	212012	%PLS Per Acre	10.4
Buffalograss		30%	
Buchloe dactyloides			
Blue Grama		70%	
Bouteloua gracilis			
Native Seeding	212010	Lbs. PLS	3.4
Grasses		Per Acre	
BLUE GRAMA		1	
Bouteloua gracilis			
SIDEOATS GRAMA		2	
Bouteloua curtipendula			
INDIAN RICEGRASS		3	
Oryzopsis hymenoides			
WESTERN WHEATGRASS		1	
Agropyron smithii			
GALLETA		3	
Hillaria jamesii			
SPIKE MUHLY		2	
Muhenbergia wrightii			
ALKALI SACATON		1	
Spoobolus airoides			
LITTLE BLUESTEM		2	
Andropogon scoparius			
Subtotal		15	
Forbs			
BLUE FLAX		.5	
Linum perenne lewisii			
PURPLE ASTER		.5	
Aster bigelovii			
SAND PENSTEMON		.5	
Penstemon ambiguus			
PALMERS PENSTEMON		.5	
Penstemon palmeri			
LANCELEAF COREOPSIS		.5	
Coreopsis lanceolata			
DESERT MARIGOLD		.5	
Baileya multiradiata			
SAND VERBENA		.5	
Abronia villosa			
MEXICAN EVENING PRIMROSE		.5	
Oenothera speciosus			
BLANKETFLOWER		.5	
Gaillaridia pulchella			
FIREWHEEL		.5	
Gaillardia aristata			
Subtotal		5	
Shrubs			
APACHE PLUME		1	
Falugia paradoxa			
RUBBER RABBITBRUSH		1	
Chrysothamnous nauseosus			
FOUR-WING SALTBUSH		1	
Atriplex canescens			
WINTERFAT		1	
Ceratoides lanata			
Subtotal		4	
TOTAL			24

Sym	Common Name / Botanical Name	Item No.	Size	Container	Quantities	Units	Remarks
T1	Russian Olive	764118	2-1/2" cal.	24" Box	103	Each	50% multi-trunked trimmed up to 5'
	Elaeagnus angustifolia						
T2	Arizona Cypress	764215	1-1/2" cal.	10 gal.	39	Each	Multi-trunk
	Cupressus arizonica						
T3	Arizona Ash	764121	2-1/2" cal.	24" Box	65	Each	Formal
	Fraxinus velutina						
T4	Canada Red Chokecherry	764178	2" cal.	24" Box	140	Each	Picturesque
	Prunus virginiana 'Canada Red'						
T5	New Mexico Olive	764351	5' high	15 gal.	50	Each	Multi-trunk
	Forestiera neomexicana						
T6	Smoke Tree	764195	5' high	10 gal.	46	Each	Multi-trunk
	Cotinus coggygria						
T7	Wichita Blue Juniper	764231	5' high	15 gal.	111	Each	
	Juniperus scopulorum 'Wichita Blue'						
T8	Soaptree Yucca	764974	2' high min.	5 gal.	12	Each	Three trees, each planter box, vary sizes
	Yucca elata						
T9	London Plane Tree	764149	3" cal.	24" Box	9	Each	Formal
	Platinus acerfolia						
S1	Rabbit Brush	764333	18" high	1 gal.	303	Each	
	Chrysothamnous nauseosus						
S2	Red-leaf Japanese Barberry	764323	18" spread	1 gal.	921	Each	@ 5' O. C.
	Berberis thunbergii 'Atropurpurea'						
S3	Andorra Juniper	764531	12" spread	1 gal.	84	Each	@ 5' O. C.
	Juniperus horizontalis 'Plumosa'						
S4	Broadmoor Juniper	764533	12" high	1 gal.	241	Each	
	Juniperus sabine 'Broadmoor'						
S5	Silverberry	764408	1' high	1 gal.	132	Each	
	Elaeagnus pungens						
V1	Wintercreeper	764510	1' high	1 gal.	586	Each	@ 24" O. C.
	Euonymus fortunei						
V2	Small Leaf Boston Ivy	764651	1' high	1 gal.	38	Each	
	Parthenocissus tricuspidata 'Veitchii'						
GC1	Creeping Rosemary	764500	4" starts	Flats	153	Flats	@ 24" O. C.
	Rosmarinus officinalis 'Prostratus'						
GC2	English Ivy	764710	1' high	1 gal.	8	Each	
	Hedera helix						
	Bark Mulch	767031			135907	SF	@ 4" Depth
	Landscape Gravel	667210			3111	SY	@ 4" Depth
	Concrete Mow Strip	767019			6960	Ft.	See COA Detail Dwg. 2726
	Irrigation System	770003			1	LS	

* See The City Of Albuquerque Standard Specifications For Public Works Construction Section 1011 TURF GRASS SEEDING As Amended

** See the City of Albuquerque Standard Specifications For Public Works Construction Section 1012 NATIVE GRASS SEEDING As Amended

wm Jones P.E.

RECORD DRAWING

DATE: 11/03/97 | DRAFTED BY: O.V.

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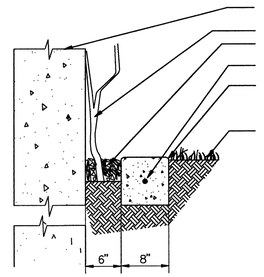


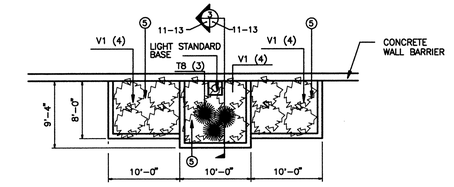
CONSTRUCTION NOTES

1. CONTROL JOINTS SHALL BE PLACED AT 5' O.C..
2. EXPANSION JOINTS SHALL BE PLACED AT 20' O.C. AND WHERE THE MOWSTRIP ABUTS ANOTHER HARD SURFACE
3. SPACE BETWEEN WALL AND MOWSTRIP IS NOT IRRIGATED

1 CONCRETE MOW STRIP WHERE VINE IS PLANTED ADJACENT TO RETAINING WALL

11-3, 11-4, 11-8, 11-9 — 11-13

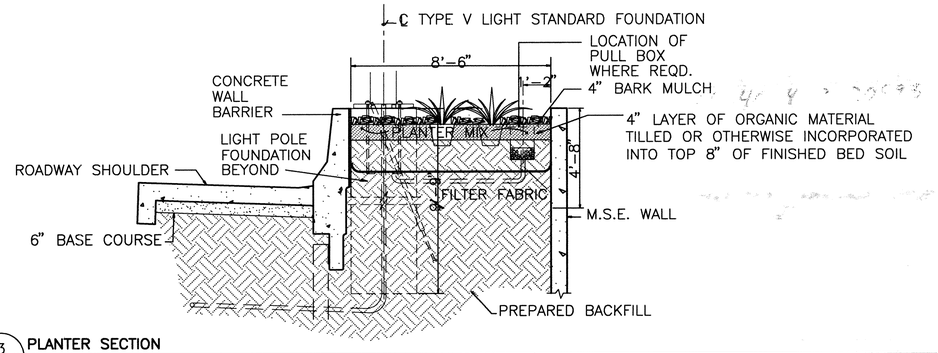
SCALE: 1" = 1'-0"



2 TYPE "B" WALL PLANTER PLAN

11-1 — 11-13

SCALE: 1" = 10'-0"



3 PLANTER SECTION

11-13 — 11-13

NTS

2604044.9120898

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

SUNPORT BOULEVARD
ESTIMATED QUANTITIES
WALL PLANTER & GUARD RAIL DETAIL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	11-13	

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY DATE
WORK STOPPED BY DATE
ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.83, Y=473027.84, EL.=5310.21

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY
DESIGN	DESIGNED BY	DD	DATE 5-10-96
	DRAWN BY	DD	DATE 5-10-96
	CHECKED BY	JQP	DATE 5-10-96

SPPLDET.dwg 1=1 3-27-96

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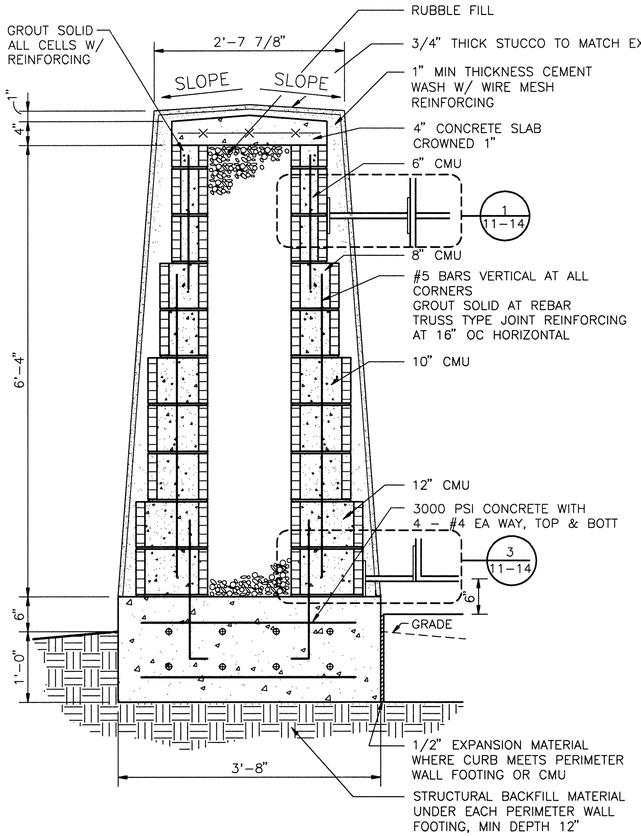
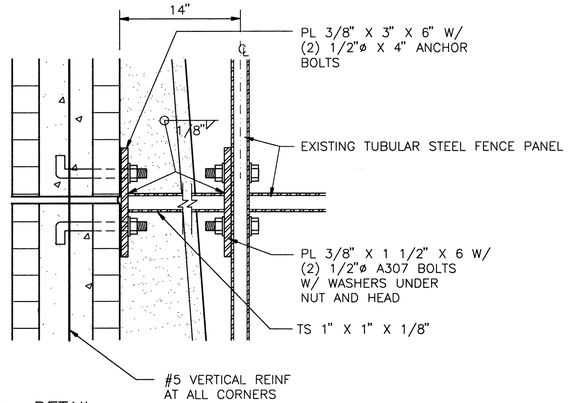
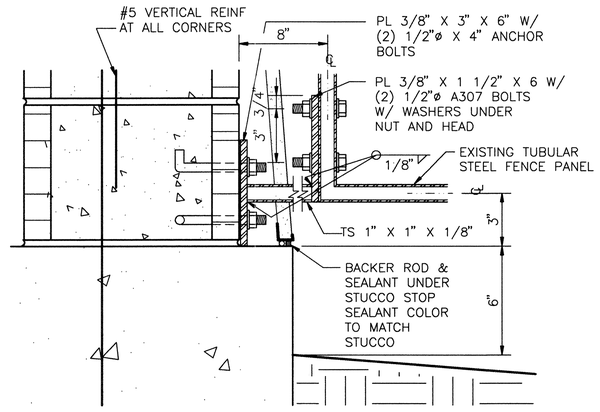
NOTE: PILASTER SHOWN IS TYPICAL 7'-3" WHERE NO CHANGE OF GRADE OCCURS BETWEEN PILASTERS. ADDITIONAL 8" CMU BLOCKS AND/OR AN INCREASE IN THE THICKNESS OF THE SLAB WILL PROVIDE THE NECESSARY HEIGHT FOR PILASTER OCCURING AT GRADE CHANGES.



4 SECTION - PILASTER
SCALE: 1" = 1'-0"



1 DETAIL
SCALE: 3" = 1'-0"

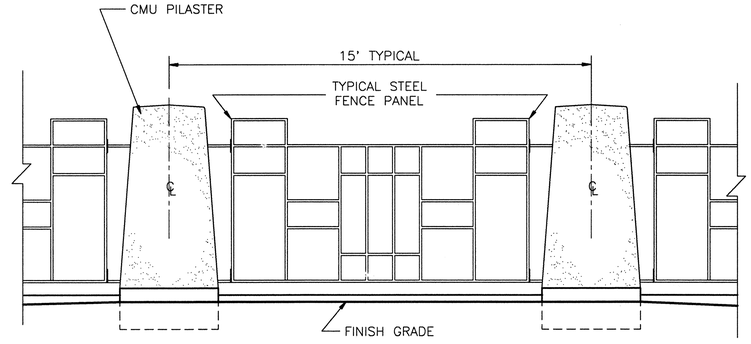


3 DETAIL
SCALE: 3" = 1'-0"

GENERAL NOTES

1. EXISTING STEEL FENCE PANELS TO BE SALVAGED FROM EXISTING PILASTERS PRIOR TO DEMOLITION OF PILASTERS. STORE PANELS FOR REINSTALLATION. CALL JIM HINDE WITH THE AVIATION DEPARTMENT FACILITES ENGINEERING AT 842-4366, FOR DIRECTION ON STORAGE OF PANELS.

2. REINSTALL STEEL FENCE PANELS BETWEEN NEW PILASTERS AS DETAILIED. REFERENCE SHEET NUMBER 11-11 FOR LOCATION OF NEW PILASTERS AND STEEL FENCE PANELS. REPAINT REINSTALLED FENCE PANELS TO MATCH EXISTING. (LAMINART #865-T "PALE COBALT) PILASTER FINISH TO MATCH EXISTING COLOR AND TEXTURE. (FORMICA #868 ADOBE)



2 ELEVATION - TYPICAL FENCE PANEL
SCALE: 3/8" = 1'-0"

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

BENCH MARKS
STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL=5310.21

AS BUILT INFORMATION
CONTRACTOR
STAKED BY DATE
INSPECTOR'S FIELD ACCEPTANCE BY DATE
VERIFICATION BY DATE
NO. MARKS
CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY
		DESIGN	
		DATE 5-10-96	
		DESIGNED BY	
		DATE 5-10-96	BR
		DRAWN BY	
		DATE 5-10-96	JQP
		CHECKED BY	

2G-140144.91/201998

wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD - PHASE II

PILASTER & FENCE PANEL SALVAGE & REINSTALLATION

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	11-14	

sp-FENCE.dwg 1"=1' 2-14-96

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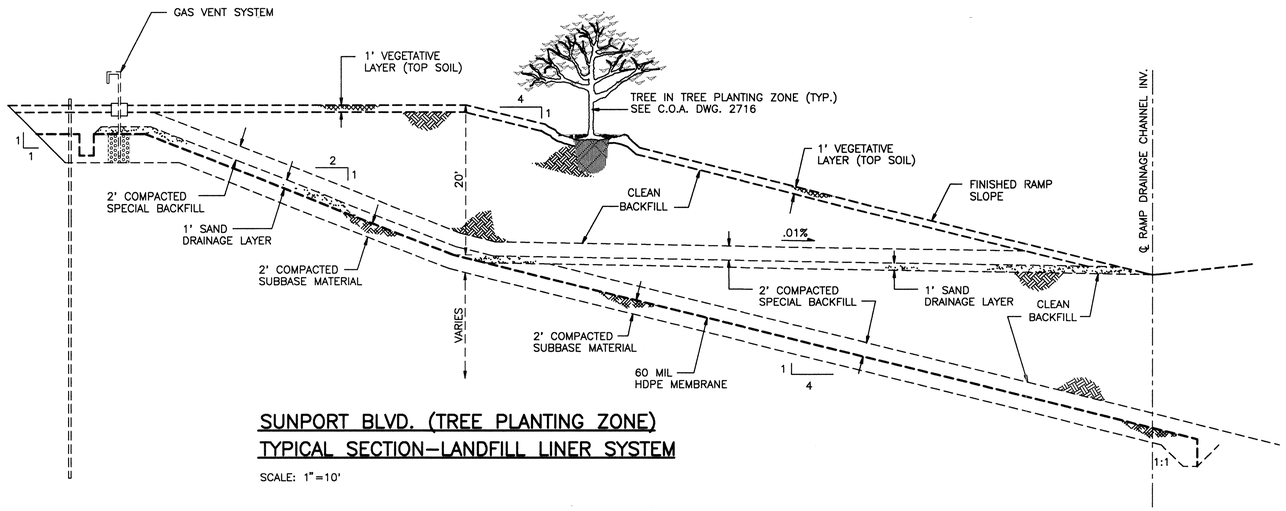
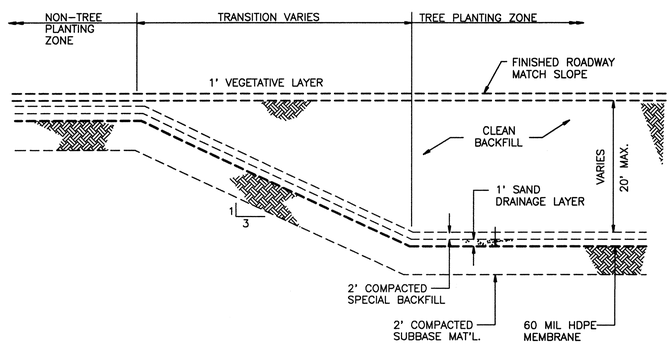


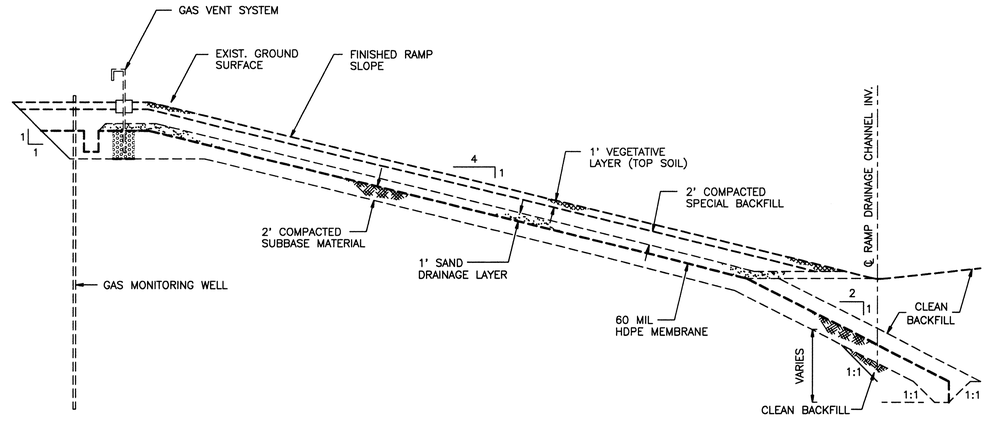
SUNPORT BLVD. (TREE PLANTING ZONE) TYPICAL SECTION–LANDFILL LINER SYSTEM

SCALE: 1"=10'



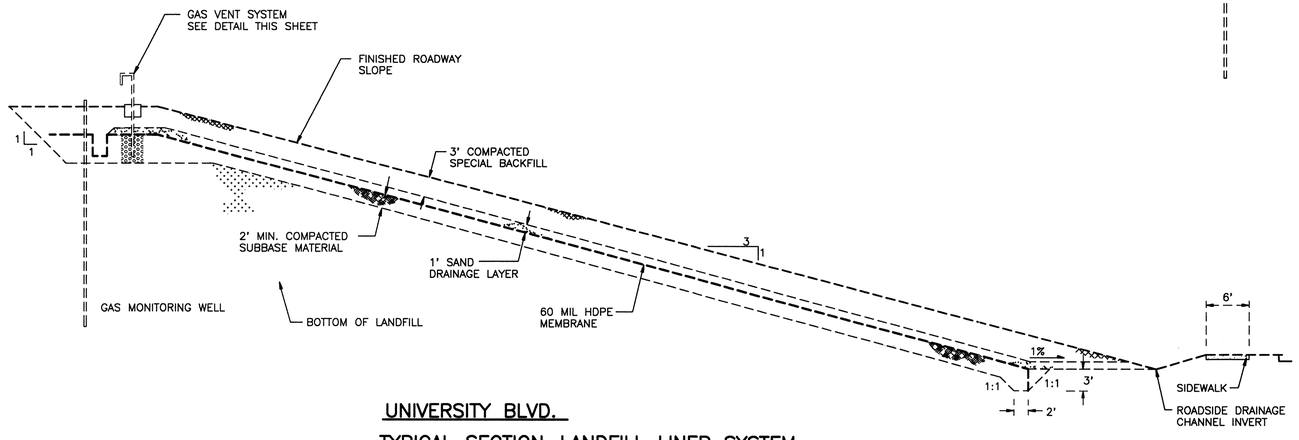
TRANSITION BETWEEN NON–TREE & TREE ZONE

SCALE: 1"=10'



SUNPORT BLVD. (NON–TREE PLANTING ZONE) TYPICAL SECTION–LANDFILL LINER SYSTEM

SCALE: 1"=10'



UNIVERSITY BLVD. TYPICAL SECTION–LANDFILL LINER SYSTEM

SCALE: 1"=10'

sp2liner.dwg 1=10 4-2-96

AS BUILT INFORMATION

CONTRACTOR
STAKED BY — DATE
INSPECTOR'S FIELD FINANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO–FILM INFORMATION

RECORDED BY — DATE
NO.

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PROJECT: X=389231.63, Y=473027.84, EL=5310.21

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

NO.	DATE	REMARKS
		REVISIONS
		DESIGN
	DATE	DESIGNED BY
	DATE	DRAWN BY DD
	DATE	CHECKED BY JQP

5-15-96
5-15-96

26-40441.9121098

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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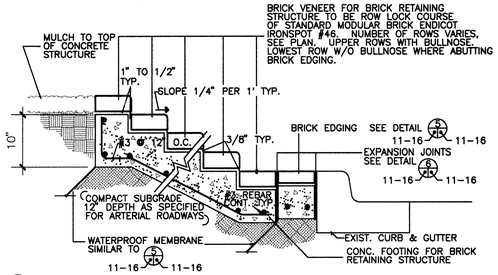
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

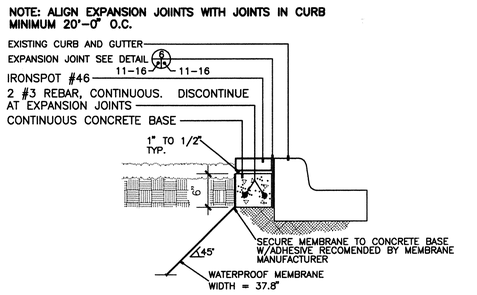
EXISTING LANDFILL LINER

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

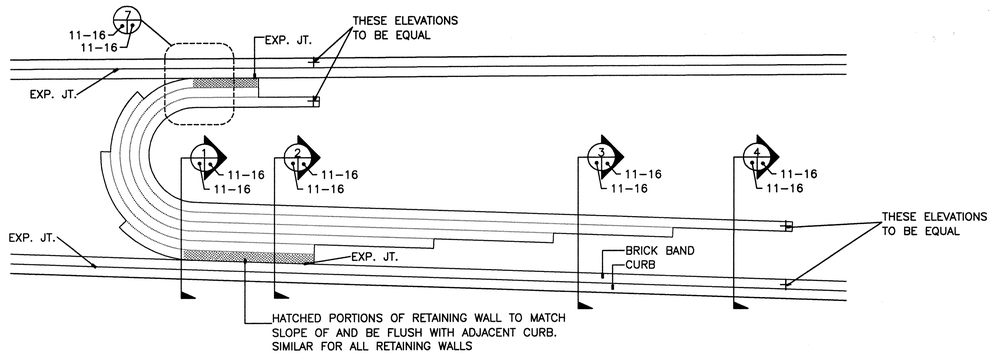
City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	11–15	



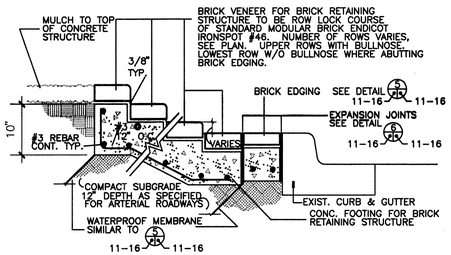
1 RETAINING STRUCTURE–SECTION
SCALE: 1"=1'
11-16 / 11-16



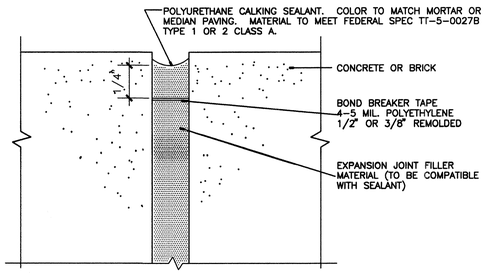
5 BRICK EDGING–SECTION
SCALE: 1"=1'
11-16 / 11-16



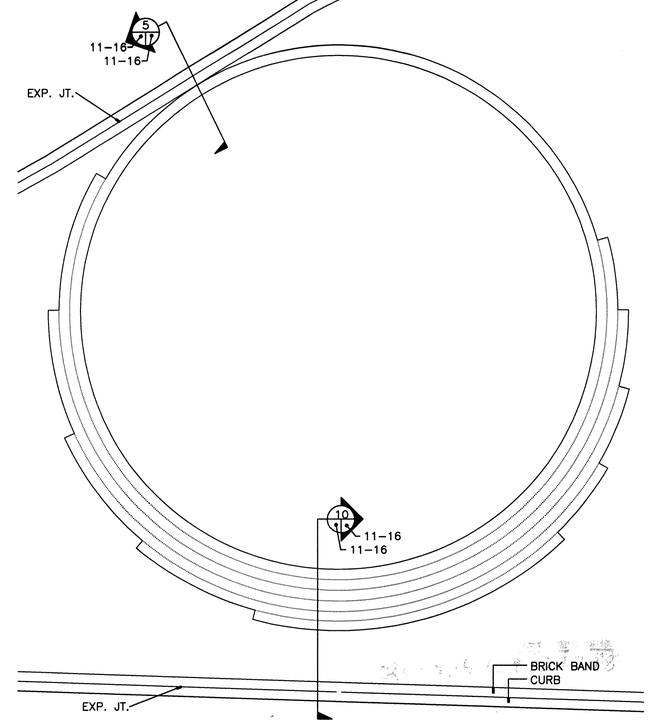
8 ENLARGED WALL PLAN
SCALE: 1"=5'
11-12 / 11-16



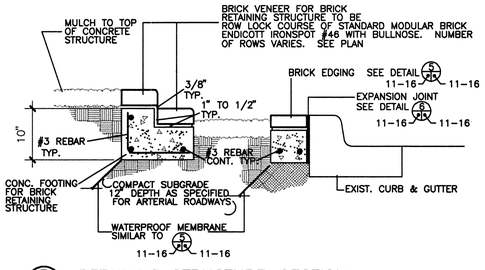
2 RETAINING STRUCTURE–SECTION
SCALE: 1"=1'
11-16 / 11-16



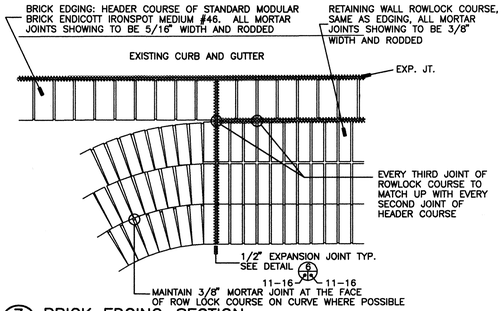
6 EXPANSION JOINT – BRICK
N.T.S.
11-16 / 11-16



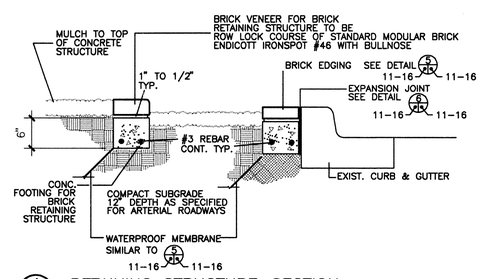
9 ENLARGED WALL PLAN
SCALE: 1"=5'
11-12 / 11-16



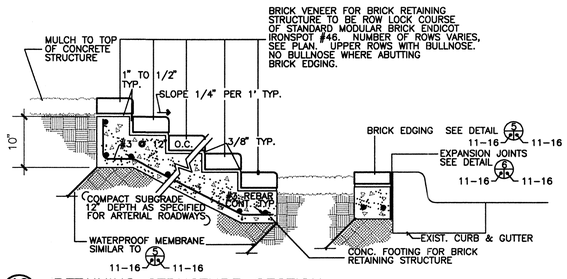
3 RETAINING STRUCTURE–SECTION
SCALE: 1"=1'
11-16 / 11-16



7 BRICK EDGING–SECTION
SCALE: 1"=1'
11-16 / 11-16



4 RETAINING STRUCTURE–SECTION
SCALE: 1"=1'
11-16 / 11-16



10 RETAINING STRUCTURE–SECTION
SCALE: 1"=1'
11-16 / 11-16

AS BUILT INFORMATION
CONTRACTOR — DATE
STAKED BY — DATE
INSPECTION BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

BENCH MARKS
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PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY	JK
		DRAWN BY	JK
		CHECKED BY	JQP

	DATE
	5-10-96
	5-10-96
	5-10-96

26-4044.91 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 12/11/98

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

YALE BOULEVARD MEDIAN PLANTER DETAILS

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	11-16	

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sp1LMED.dwg 1=20 2-14-96

NOTE

1. CONTRACTOR SHALL UPSIZE CONTROLLER F & J TO 16 STATION CONTROLLER #M5S-2S-S1 WIYH KEYBOARD #V-308 AND ANTENA.

IRRIGATION NOTES

1. THE CONTRACTOR SHALL SET BACK ALL PIPING AND IRRIGATION VALVE BOXES, IRRIGATION HEADS, ETC. 18" FROM BACK OF CURB, TYPICAL.
2. WHERE LATERAL PIPING ENTERS RAISED PLANTERS, THE CONTRACTOR SHALL REFER TO DETAILS C/11-29 FOR CONTINUATION OF IRRIGATION SYSTEM, TYPICAL.
3. AS AN INCIDENTAL PART OF THE CONTRACT, THE CONTRACTOR SHALL PROVIDE A "RADIO SITE SURVEY" PRIOR TO INSTALLATION OF ANY CONTROLLER OR RELATED ELECTRICAL EQUIPMENT TO ASSURE PROPOSED CONTROLLER LOCATIONS ARE COMPATIBLE WITH CCU AND CENTRAL RADIO COMMUNICATIONS. NO ADDITIONAL PAYMENT WILL BE MADE TO CONTRACTOR FOR THIS WORK.
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5. KEY TO LATERAL PIPE SIZING AS FOLLOWS:
   "A" = 1"
   "B" = 1-1/4"
   "C" = 1-1/2"
   "D" = 2"
   "E" = 2-1/2"
6. KEY TO VALVE IDENTIFICATION BOX:
   CONTROLLER AND VALVE NO. — V-1 2" — VALVE SIZE
   GPM — 57 GPM
7. SEE SHEET 11/29 FOR IRRIGATION LEGEND

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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0 40 80
1" = 40'
GRAPHIC SCALE

AS BUILT INFORMATION

CONTRACTOR
WORK STARTED BY — DATE
STAKING APPROVED BY — DATE
ACCEPTANCE BY — DATE
FIELD REVISION BY — DATE
AS BUILT DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

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SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
1	6/26/96	REVISED SHEET 11-17	RHT

REVISIONS

DESIGN	DATE	5/28/96
DRAWN BY RHT	DATE	5/28/96
CHECKED BY BHM	DATE	5/28/96

MORROW & COMPANY, LTD.
LANDSCAPE ARCHITECTS
210 La Veta N.E.
Albuquerque, N.M. 87106
PH: 505 266-2266 FAX: 505 265-9637

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

SUNPORT BOULEVARD
IRRIGATION PLAN
UNIVERSITY TO STA. 87+50

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	11–17	

26-4044.9121298

SUN-IRG1 1=40 5/28/96

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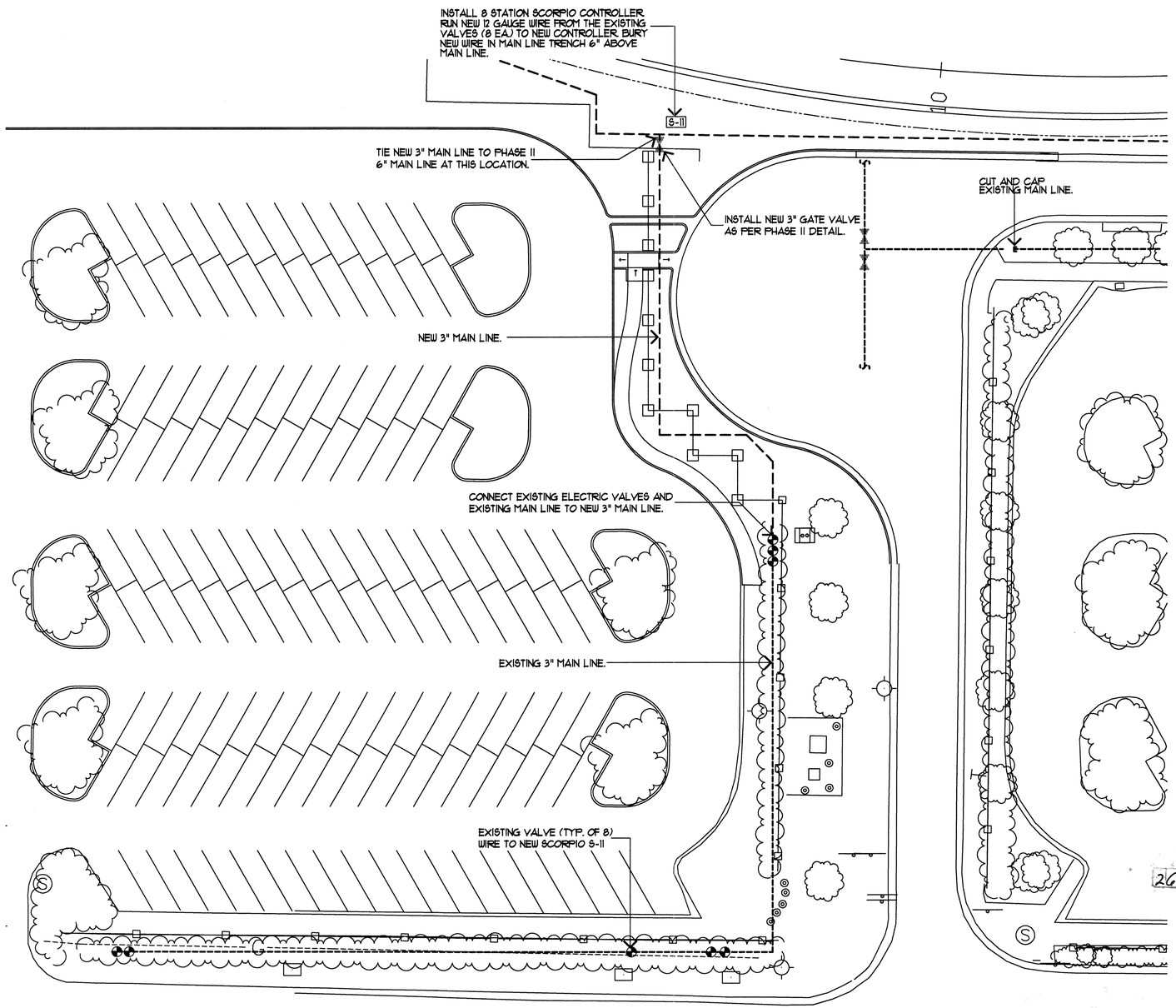

26-4044.9/21398

AS BUILT INFORMATION	
CONTRACTOR	
NOTES	
STAKED BY	DATE
INSPECTOR'S	
ACCEPTANCE BY	DATE
FIELD	
VERIFICATION BY	DATE
REMARKS	
CORRECTED BY	DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

SURVEY INFORMATION

NO.	FIELD NOTES BY	DATE

ENGINEER'S SEAL

W. M. Jones P.E.

RECORD DRAWING

DATE: 11/03/97	DRAFTED BY: O.V.

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STATE OF NEW MEXICO
BAKER H. MORROW
NO. 2
REGISTERED LANDSCAPE ARCHITECT

MORROW & COMPANY, LTD.
LANDSCAPE ARCHITECTS
210 La Veta N.E.
Albuquerque, N.M. 87108
PH: 505 266-2266 FAX: 505 265-9637

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
DESIGNED BY		JRM	DATE 10/15/96
DRAWN BY		RHT	DATE 10/15/96
CHECKED BY		BHM	DATE 10/15/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

SUNPORT BOULEVARD
IRRIGATION PLAN
PHASE I EMPLOYEE PARKING

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	11–17.a	

IRC2 10/15/96 1=20

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NOTE

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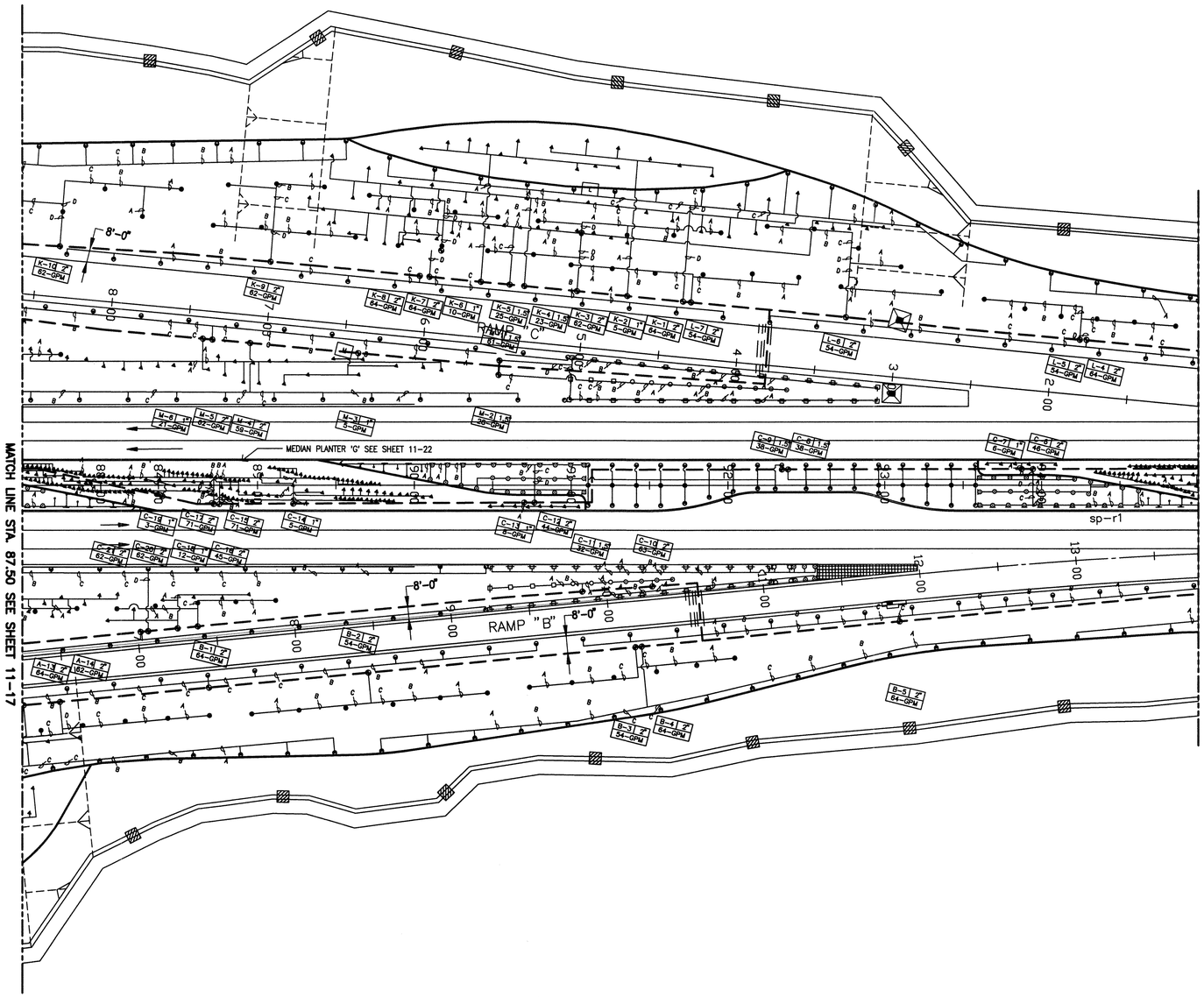

IRRIGATION NOTES

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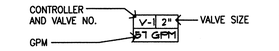

7. SEE SHEET 11/29 FOR IRRIGATION LEGEND

AS BUILT INFORMATION

CONTRACTOR
WORK STARTED BY — DATE
WORK COMPLETED — DATE
ACCEPTANCE BY — DATE
FIELD REVISION BY — DATE
AS BUILT DRAWINGS
CORRECTED BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
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PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

ENGINEER'S SEAL

RHT

REVISIONS

NO.	DATE	REMARKS	BY
1	6/26/96	REVISED SHEET 11-18	RHT

DESIGNED BY RM — DATE 5/28/96
DRAWN BY RHT — DATE 5/28/96
CHECKED BY BHM — DATE 5/28/96

MORROW & COMPANY, LTD.
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2 3 4 5 6 7 8 9 10 11 12 13 14 15
2G-4044.91.21498

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

SUNPORT BOULEVARD
IRRIGATION PLAN
STA. 87+50 TO STA. 95+00

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	11–18	

W M Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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N

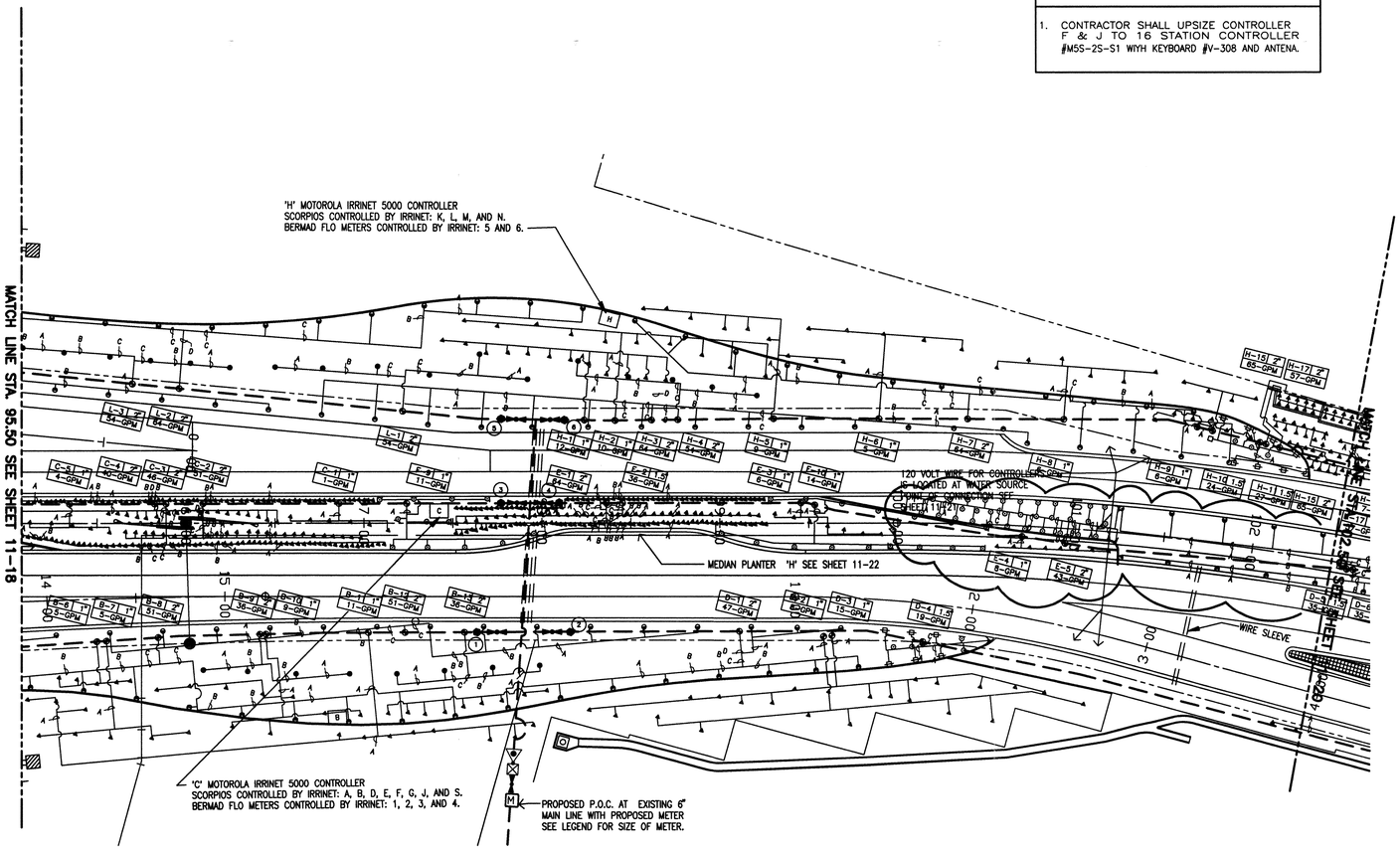
0 40 80
1" = 40'
GRAPHIC SCALE

SUN-IRG1 1=40 5/28/96

© COPYRIGHT

NOTE

1. CONTRACTOR SHALL UPSIZE CONTROLLER F & J TO 16 STATION CONTROLLER #M5S-2S-S1 WIYH KEYBOARD #V-308 AND ANTENA.



IRRIGATION NOTES

1. THE CONTRACTOR SHALL SET BACK ALL PIPING AND IRRIGATION VALVE BOXES, IRRIGATION HEADS, ETC. 18" FROM BACK OF CURB, TYPICAL.
2. WHERE LATERAL PIPING ENTERS RAISED PLANTERS, THE CONTRACTOR SHALL REFER TO DETAILS C/11-29 FOR CONTINUATION OF IRRIGATION SYSTEM, TYPICAL.
3. AS AN INCIDENTAL PART OF THE CONTRACT, THE CONTRACTOR SHALL PROVIDE A 'RADIO SITE SURVEY' PRIOR TO INSTALLATION OF ANY CONTROLLER OR RELATED ELECTRICAL EQUIPMENT TO ASSURE PROPOSED CONTROLLER LOCATIONS ARE COMPATIBLE WITH CCU AND CENTRAL RADIO COMMUNICATIONS. NO ADDITIONAL PAYMENT WILL BE MADE TO CONTRACTOR FOR THIS WORK.
4. THE CONTRACTOR SHALL ACHIEVE A 10 OHM GROUND RESISTANCE OR LESS AT CONTROLLER LOCATIONS WITH MATERIALS AND PROCEDURES AS RECOMMENDED BY THE MANUFACTURER.
5. KEY TO LATERAL PIPE SIZING AS FOLLOWS:
   'A' = 1"
   'B' = 1-1/4"
   'C' = 1-1/2"
   'D' = 2"
   'E' = 2-1/2"
6. KEY TO VALVE IDENTIFICATION BOX:
   CONTROLLER AND VALVE NO. — V-1 2" — VALVE SIZE
   GPM — 51 GPM
7. SEE SHEET 11/29 FOR IRRIGATION LEGEND

AS BUILT INFORMATION

CONTRACTOR
WORK STAKED BY — DATE
STAKING CHECKED BY
ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
STATION "WEST", A BRASS TABLET STAMPED "WEST 19.39".
SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.83, Y=473027.84, EL.=5310.21

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY
1	6/26/96	REVISED SHEET 11-19	RHT
2	5/5/97	ADDED IRRIGATION, REVISED IRRIGATION	RMM

DESIGN
DESIGNED BY RM — DATE 5/28/96
DRAWN BY RHT — DATE 5/28/96
CHECKED BY BHM — DATE 5/28/96

MORROW & COMPANY, LTD.
LANDSCAPE ARCHITECTS
210 La Veta N.E.
Albuquerque, N.M. 87108
PH: 505 268-2286 FAX: 505 265-9637

26-40499.91/21598

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

SUNPORT BOULEVARD
IRRIGATION PLAN
STA. 95+00 TO STA. 102+50

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	11–19	

wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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0 40 80
1" = 40'
GRAPHIC SCALE

© COPYRIGHT

SUN-IRG1 1=40 5/28/96

NOTE

1. CONTRACTOR SHALL UPSIZE CONTROLLER F & J TO 16 STATION CONTROLLER #M55-2S-S1 WITH KEYBOARD #V-308 AND ANTENA.

REVISION NOTE:

ORIGINAL VALVE ID NUMBER	CHANGED TO ID NUMBER
E-5	D-8
E-6	E-7
E-7	E-8
E-8	E-9
E-9	E-10
E-10	E-11
E-11	E-12
D-5	D-7
D-6	D-9
D-7	D-10
D-8	D-11
D-9	D-12
D-10	D-13
D-11	D-14
D-12	D-15

IRRIGATION NOTES

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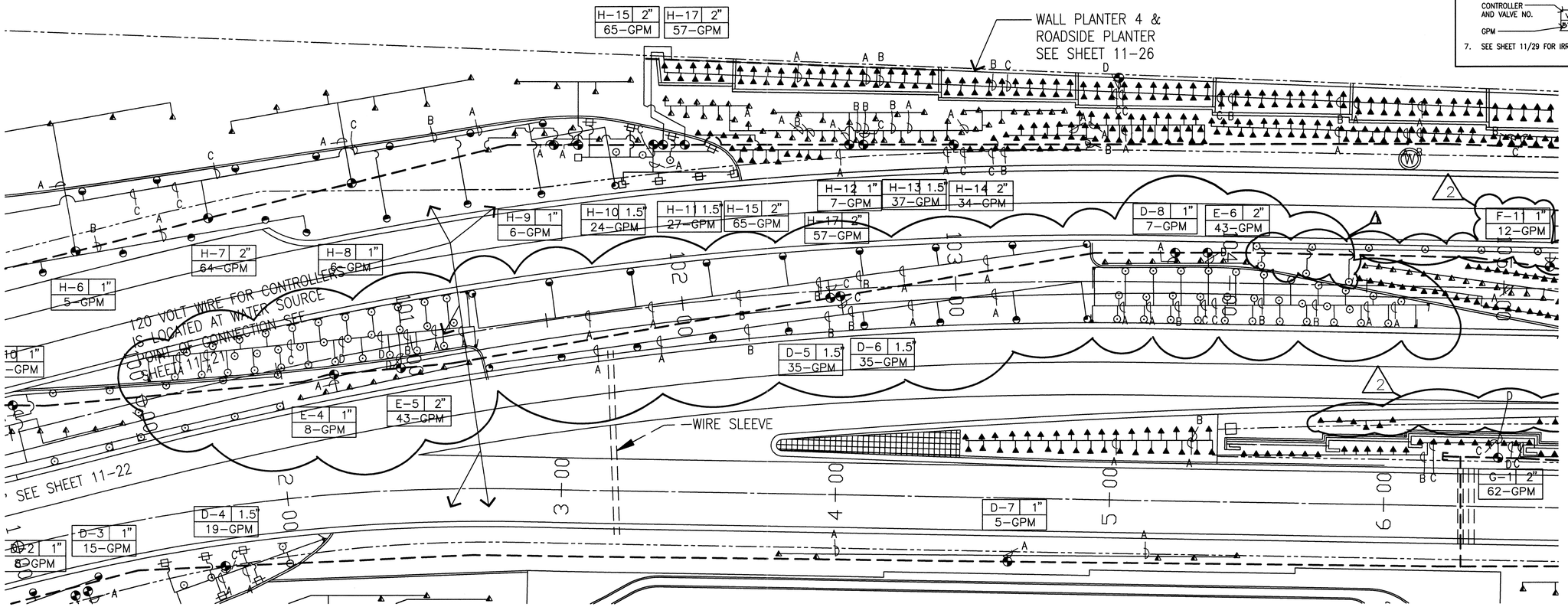
   "E" = 2-1/2"
6. KEY TO VALVE IDENTIFICATION BOX:
   CONTROLLER AND VALVE NO. — V-| 2" | ← VALVE SIZE
   GPM — 57 GPM
7. SEE SHEET 11/29 FOR IRRIGATION LEGEND



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LANDSCAPE ARCHITECTS
210 La Veta N.E.
Albuquerque, N.M. 87108
PH: 505 268-2266 FAX: 505 265-9637

26-4044.91/21698

W.M. Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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N

0 20 40
1" = 20'
GRAPHIC SCALE

© COPYRIGHT

AS BUILT INFORMATION

BENCH MARKS
STATION "WEST". A BRASS TABLET STAMPED "WEST 1939". SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL=5310.21

RECORDED BY
DATE
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

CONTRACTOR
WORK STARTED BY — DATE
FINAL INSPECTION ACCEPTANCE BY — DATE
FIELD REVISION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION

NO.	DATE	REMARKS	BY
3	3/27/97	ADD TURF SYSTEM/REVISE VALVES.	JRM

REVISIONS

DESIGN
DESIGNED BY JRM — DATE 3/27/97
DRAWN BY RHT — DATE 3/27/97
CHECKED BY BHM — DATE 3/27/97

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

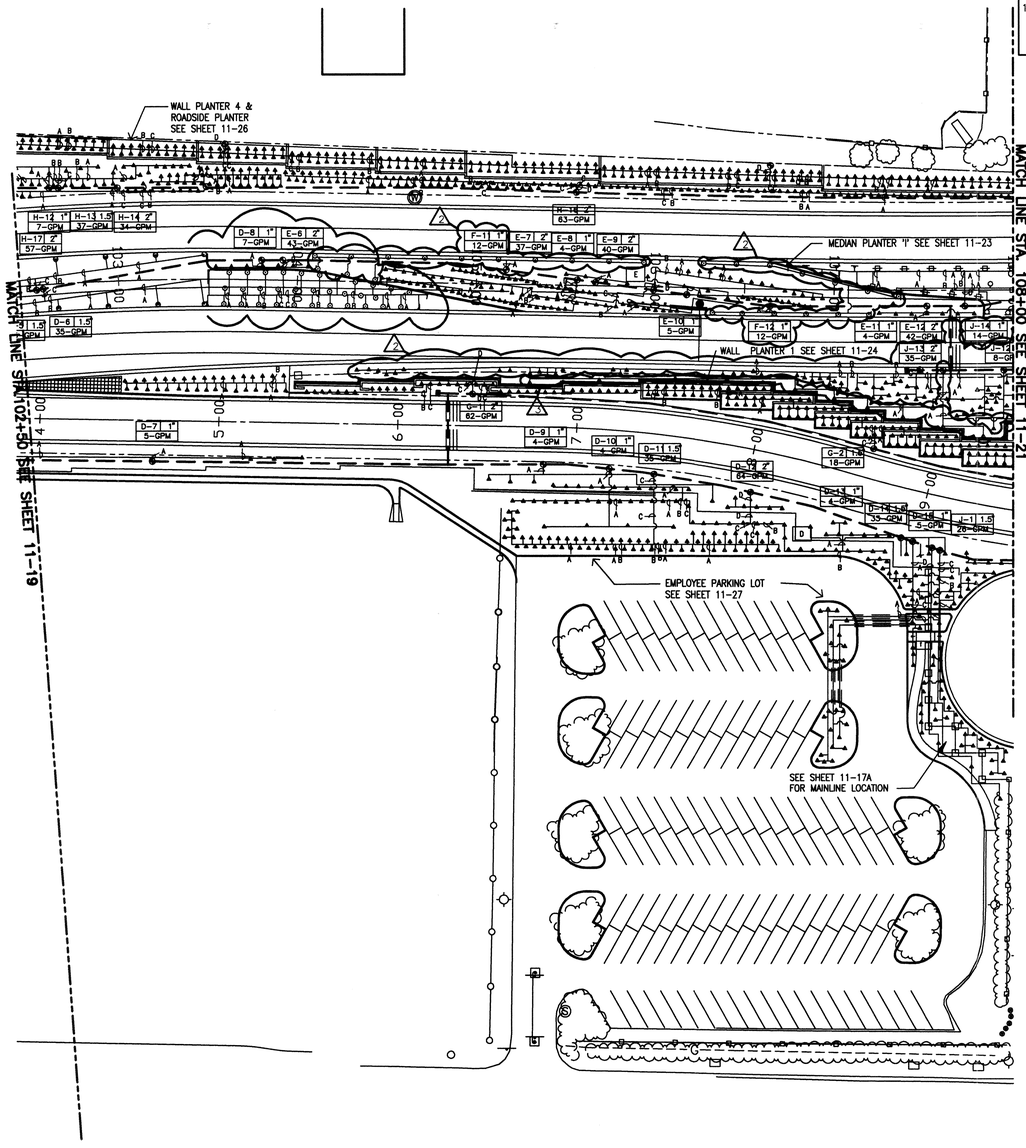
TITLE: SUNPORT BOULEVARD – PHASE II

SUNPORT BOULEVARD
IRRIGATION PLAN
STA. 100+00 TO 105+00

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	11–19a (Revisions)	

SUN-IRG1 1=20 3/27/97



NOTE

1. CONTRACTOR SHALL UPSIZE CONTROLLER F & J TO 16 STATION CONTROLLER #M5S-2S-S1 WIYH KEYBOARD #V-308 AND ANTENA.

IRRIGATION NOTES

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   'E' = 2-1/2"
6. KEY TO VALVE IDENTIFICATION BOX:
   CONTROLLER AND VALVE NO. — V-1 2" — VALVE SIZE
   GPM — 51 GPM
7. SEE SHEET 11/29 FOR IRRIGATION LEGEND

AS BUILT INFORMATION

CONTRACTOR
WORK STAKED BY — DATE
STAKING CHECKED BY
ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
SURVEY DRAWINGS
CORRECTED BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)

PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY
1	6/26/96	REVISED SHEET 11-20	RHT
2	5/5/97	ADDED IRRIGATION, REVISED IRRIGATION	RMM
3	5/8/97	ADDED IRRIGATION, REVISED IRRIGATION	RMM

DESIGNED BY RM — DATE 5/28/96
DRAWN BY RHT — DATE 5/28/96
CHECKED BY BHM — DATE 5/28/96

MORROW & COMPANY, LTD.
LANDSCAPE ARCHITECTS
210 La Vota N.E.
Albuquerque, N.M. 87106
PH: 505 268-2266 FAX: 505 265-9637

MOLZEN-CORBIN & Associates

2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-4044.91217988

wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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0 40 80
1" = 40'
GRAPHIC SCALE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

SUNPORT BOULEVARD
IRRIGATION PLAN
STA. 102+50 TO 108+00

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	11-20	

SUN-IRG1 1=40 5/28/96

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NOTE

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IRRIGATION NOTES

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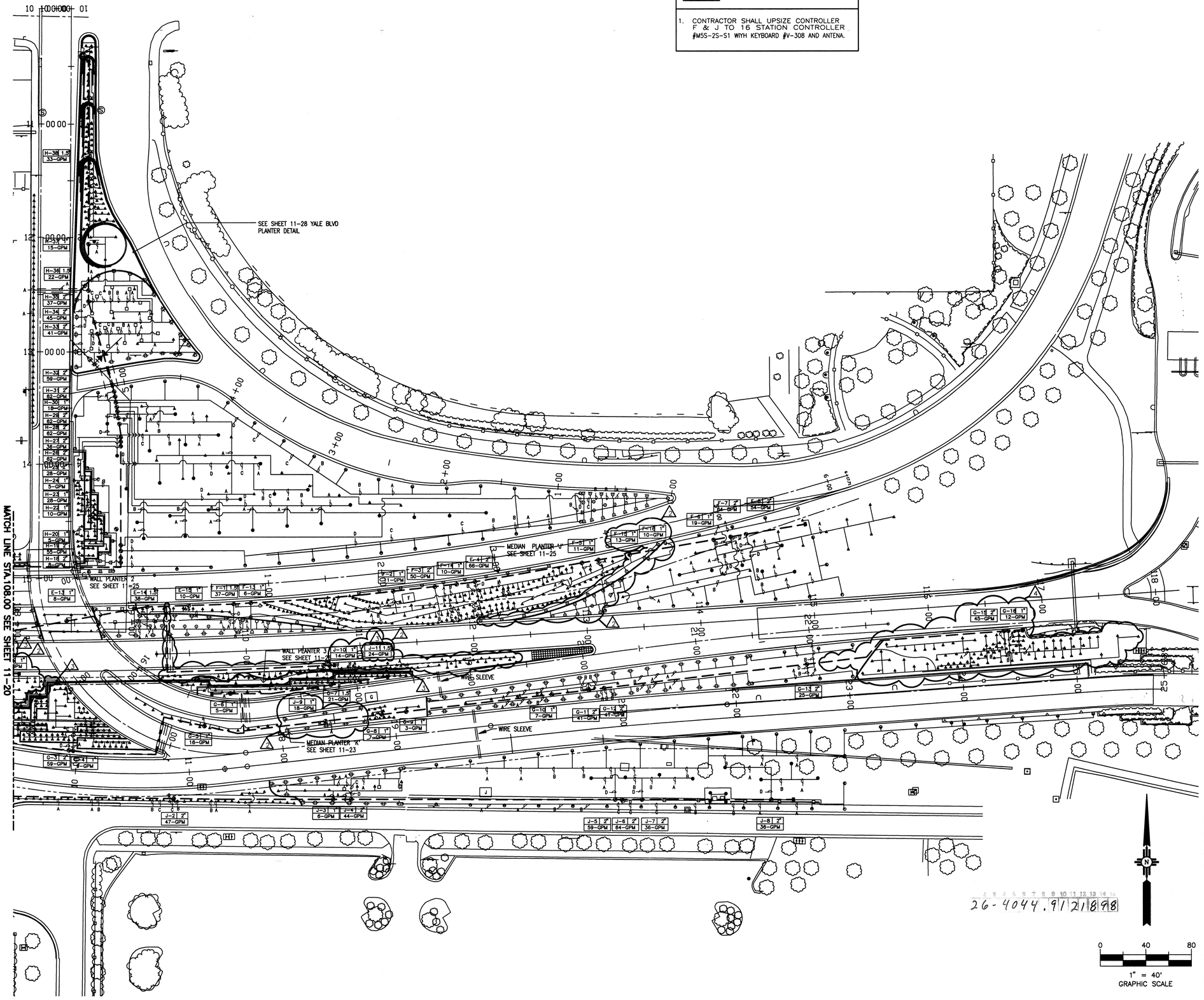
6. KEY TO VALVE IDENTIFICATION BOX:
   CONTROLLER AND VALVE NO. — V-1 2" — VALVE SIZE
   GPM — 57 GPM
7. SEE SHEET 11/29 FOR IRRIGATION LEGEND



AS BUILT INFORMATION

CONTRACTOR
WORK STARTED BY — DATE
WORK ACCEPTED BY
ACCEPTANCE BY — DATE
FIELD INSTALLATION BY — DATE
AS BUILT DRAWINGS
CORRECTED BY — DATE

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

W M Jones P.E

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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NO.	DATE	REMARKS	BY
1	6/26/96	REVISED SHEET 11-21	RHT
2	5/5/97	ADDED IRRIGATION, REVISED IRRIGATION	RAM
3	5/5/97	ADDED IRRIGATION, REVISED IRRIGATION	RAM
4	5/12/97	ADDED IRRIGATION, REVISED IRRIGATION	SFG

REVISIONS

DESIGNED BY RM — DATE 5/28/96
DRAWN BY RHT — DATE 5/28/96
CHECKED BY BHM — DATE 5/28/96

MORROW & COMPANY, LTD.
LANDSCAPE ARCHITECTS
210 La Veta N.E.
Albuquerque, N.M. 87108
PH: 505 268-2266 FAX: 505 265-9637

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

SUNPORT BOULEVARD
IRRIGATION PLAN
STA. 108+00 TO E.O.P.

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	11-21	

26-4044.9 1/21/98

D:\SUNPORT\SUN-IRG1 (SHEET 5A) 1=40 05/08/97

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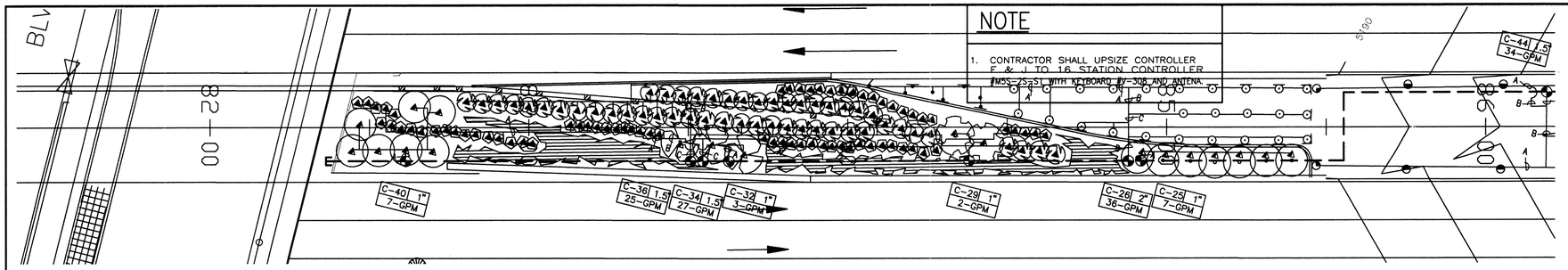
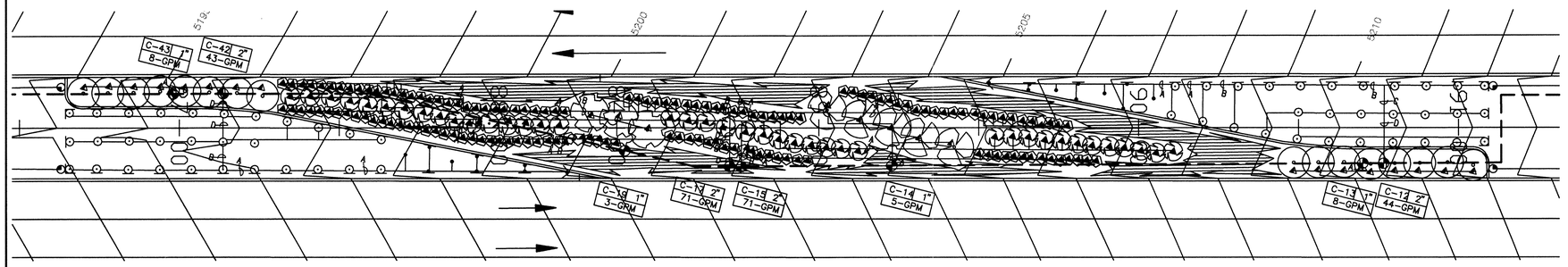
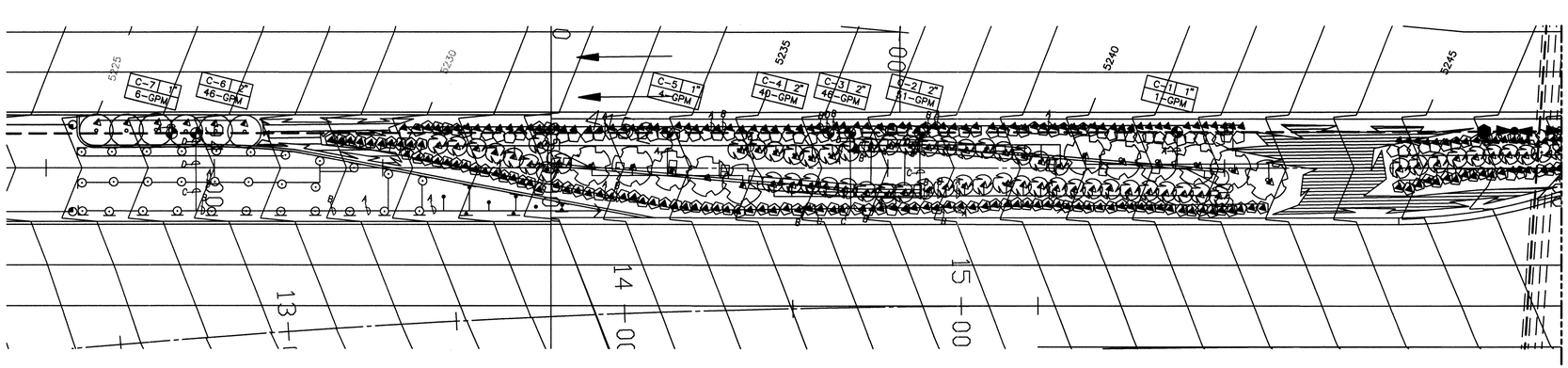


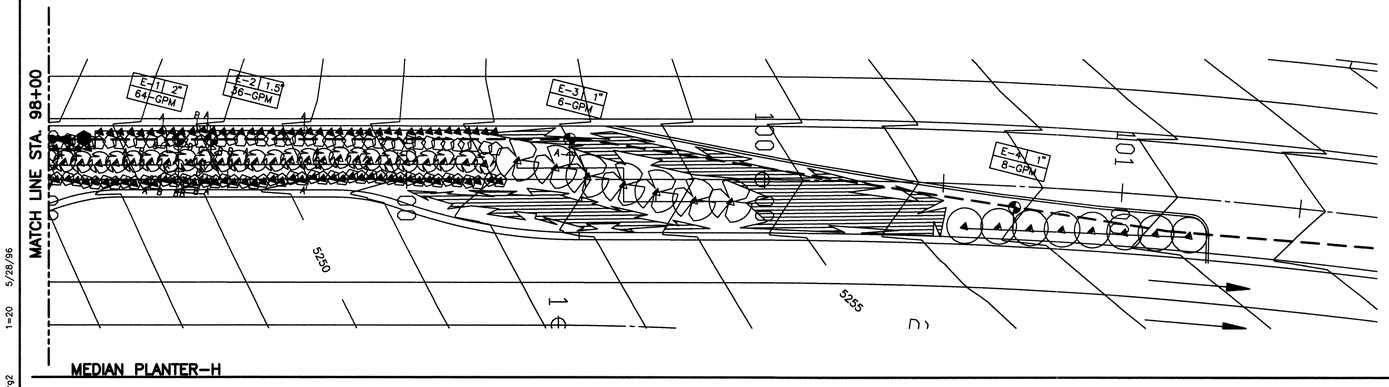
MEDIAN PLANTER–F



MEDIAN PLANTER–G



MEDIAN PLANTER–H



MEDIAN PLANTER–H

NOTE

1. CONTRACTOR SHALL UPSIZE CONTROLLER E & I TO 16 STATION CONTROLLER #MSS-2-S1 WITH KEYBOARD, PI-308 AND ANTENA.

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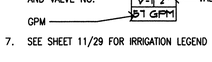

7. SEE SHEET 11/29 FOR IRRIGATION LEGEND

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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26-40449.911211998

MORROW & COMPANY, LTD.
LANDSCAPE ARCHITECTS
210 La Veta N.E.
Albuquerque, N.M. 87108
PH: 505 265-2266 FAX: 505 265-9637

MOLZEN-CORBIN & Associates

0 20 40
1" = 20'
GRAPHIC SCALE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

IRRIGATION PLAN
MEDIAN PLANTER DETAIL
MEDIAN PLANTERS F, G, & H

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M–15&16	11–22	

DESIGNED BY RM
DRAWN BY RHT
CHECKED BY BHM

NO.	DATE	REMARKS
		REVISIONS
		DESIGN
1	6/26/96	REVISED SHEET 11–22 RHT

DATE 5/28/96
DATE 5/28/96
DATE 5/28/96

ENGINEER'S SEAL

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

AS BUILT INFORMATION

CONTRACTOR
WORK STARTED BY DATE
WORK ACCEPTANCE BY DATE
FIELD REVISION BY DATE
DRAWINGS CORRECTED BY DATE
RECORDED BY DATE
NO.

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

sun-irg2 1=20 5/28/96

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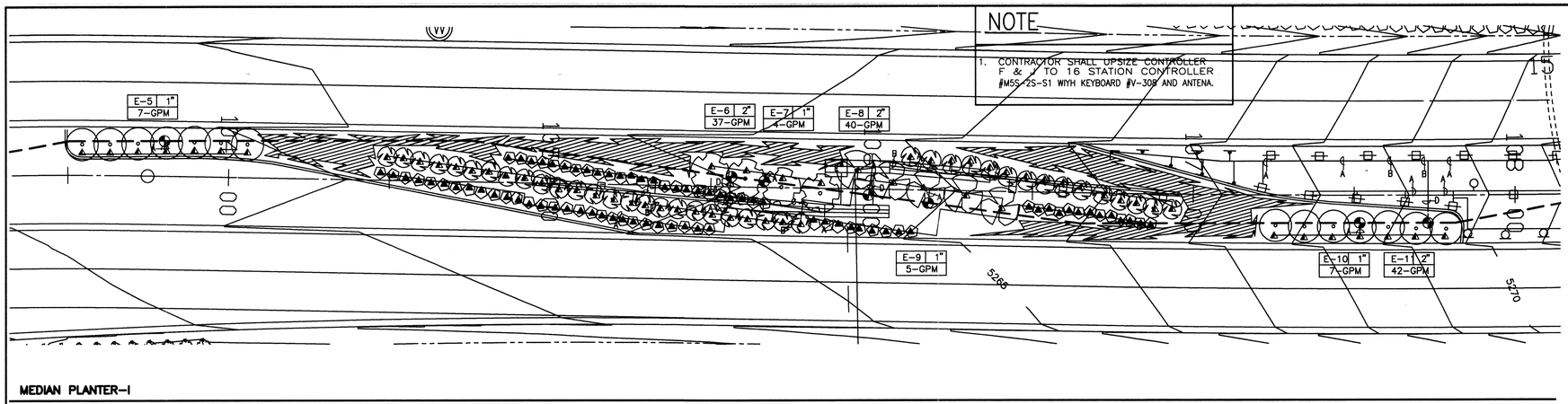
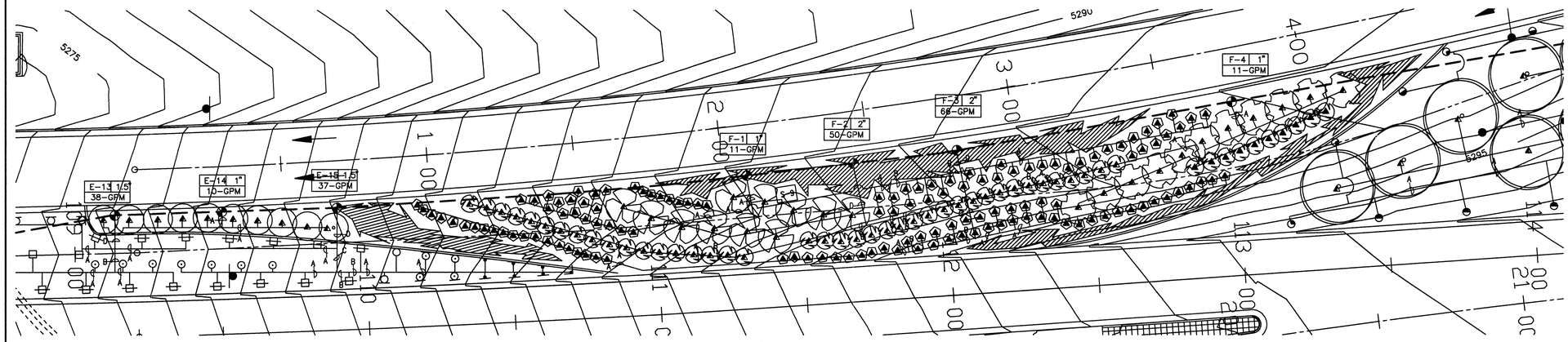
NOTE

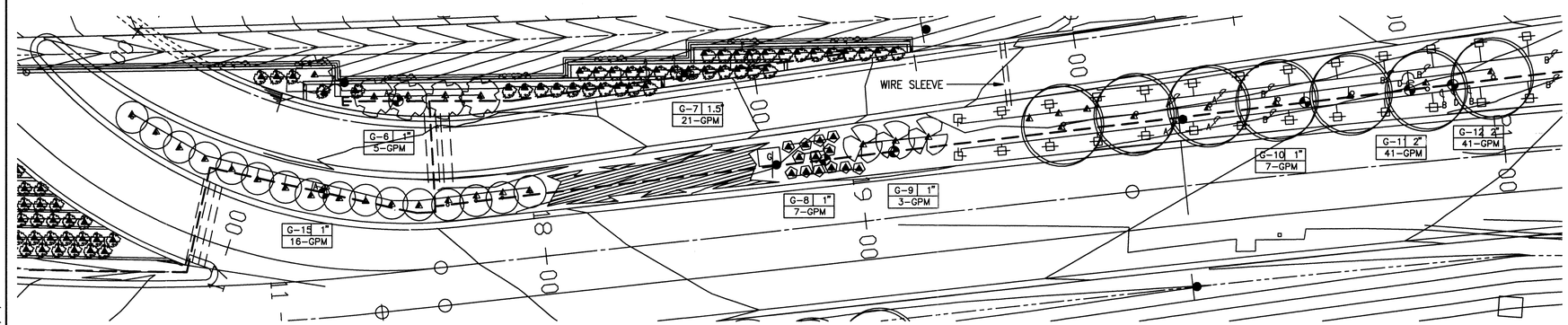
1. CONTRACTOR SHALL UPSIZE CONTROLLER F & J TO 16 STATION CONTROLLER #M5S-2S-S1 WITH KEYBOARD #V-308 AND ANTENA.



MEDIAN PLANTER-I



MEDIAN PLANTER-J



MEDIAN PLANTER-K

IRRIGATION NOTES

1. THE CONTRACTOR SHALL SET BACK ALL PIPING AND IRRIGATION VALVE BOXES, IRRIGATION HEADS, ETC. 18" FROM BACK OF CURB, TYPICAL.
2. WHERE LATERAL PIPING ENTERS RAISED PLANTERS, THE CONTRACTOR SHALL REFER TO DETAILS C/11-29 FOR CONTINUATION OF IRRIGATION SYSTEM, TYPICAL.
3. AS AN INCIDENTAL PART OF THE CONTRACT, THE CONTRACTOR SHALL PROVIDE A "RADIO SITE SURVEY" PRIOR TO INSTALLATION OF ANY CONTROLLER OR RELATED ELECTRICAL EQUIPMENT TO ASSURE PROPOSED CONTROLLER LOCATIONS ARE COMPATIBLE WITH CCU AND CENTRAL RADIO COMMUNICATIONS. NO ADDITIONAL PAYMENT WILL BE MADE TO CONTRACTOR FOR THIS WORK.
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5. KEY TO LATERAL PIPE SIZING AS FOLLOWS:
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   "B" = 1-1/4"
   "C" = 1-1/2"
   "D" = 2"
   "E" = 2-1/2"
6. KEY TO VALVE IDENTIFICATION BOX:
   CONTROLLER AND VALVE NO. — V-1 | 2" — VALVE SIZE
   GPM — 97 GPM
7. SEE SHEET 11/29 FOR IRRIGATION LEGEND

wm Jones P.E

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT. THESE DRAWINGS WERE ORIGINALLY PREPARED IN CADD FORMAT AND APPROVED FOR CONSTRUCTION BY THE CITY ENGINEER ON 5/30/96. DRAWINGS INCLUDED IN THIS SET WHICH DO NOT HAVE ORIGINAL DRC SIGNATURES HAVE BEEN MODIFIED AND REPLOTTED FOR RECORD DRAWING PURPOSES.

26-4044.91 2/20/98

MORROW & COMPANY, LTD.
LANDSCAPE ARCHITECTS
210 La Veta N.E.
Albuquerque, N.M. 87108
PH: 505 265-2586 FAX: 505 265-9637

0 20 40
1" = 20'
GRAPHIC SCALE

AS BUILT INFORMATION

CONTRACTOR
WORK STARTED BY — DATE
WORK COMPLETED BY — DATE
ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
AS-BUILTS DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1939". SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)

PROJECT: X=389231.63, Y=473027.84, EL=5310.21

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
1	6/26/96	REVISED SHEET 11-23	RHT

REVISIONS

DESIGN — DESIGNED BY RM — DATE 5/28/96
DRAWN BY RHT — DATE 5/28/96
CHECKED BY BHM — DATE 5/28/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

IRRIGATION PLAN
MEDIAN PLANTER DETAIL
MEDIAN PLANTERS I, J, & K

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M-15&16	11-23	

5/28/96
1=20
SUN-IRGT2

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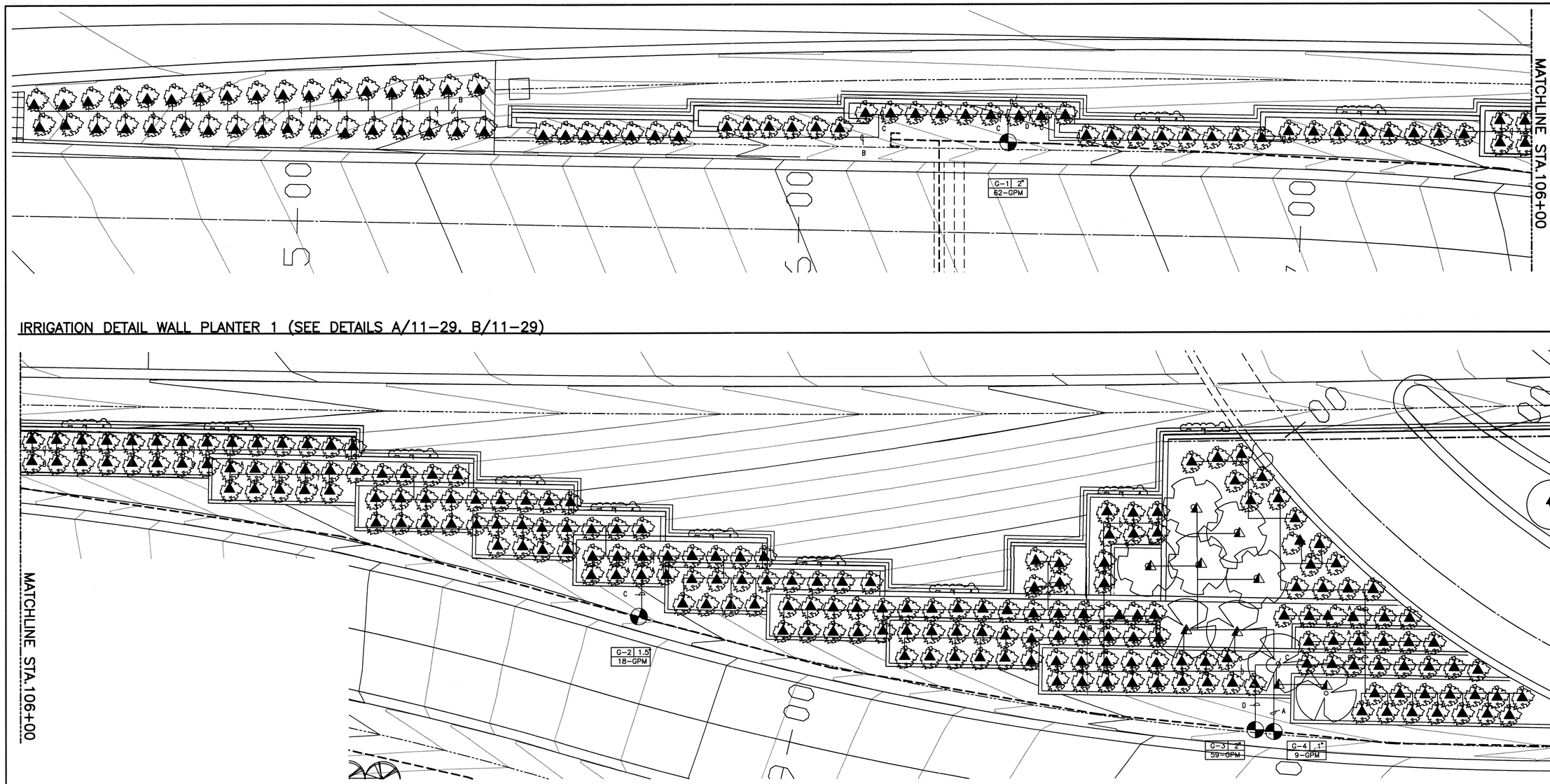

IRRIGATION DETAIL WALL PLANTER 1 (SEE DETAILS A/11-29, B/11-29)

IRRIGATION NOTES

1. THE CONTRACTOR SHALL SET BACK ALL PIPING AND IRRIGATION VALVE BOXES, IRRIGATION HEADS, ETC. 18" FROM BACK OF CURB, TYPICAL.
2. WHERE LATERAL PIPING ENTERS RAISED PLANTERS, THE CONTRACTOR SHALL REFER TO DETAILS C/11-29 FOR CONTINUATION OF IRRIGATION SYSTEM, TYPICAL.
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5. KEY TO LATERAL PIPE SIZING AS FOLLOWS:
   'A' = 1"
   'B' = 1-1/4"
   'C' = 1-1/2"
   'D' = 2"
   'E' = 2-1/2"
6. KEY TO VALVE IDENTIFICATION BOX:
   CONTROLLER AND VALVE NO. — V-1 | 2" ← VALVE SIZE
   GPM — 57 GPM
7. SEE SHEET 11/29 FOR IRRIGATION LEGEND

IRRIGATION DETAIL WALL PLANTER 1 (SEE DETAILS A/11-29, B/11-29)

0 10 20
1" = 10'
GRAPHIC SCALE

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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Wm Jones P.E.

MORROW & COMPANY, LTD.
LANDSCAPE ARCHITECTS
210 La Veta N.E.
Albuquerque, N.M. 87108
PH: 505 255-2206 FAX: 505 255-9637

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY DATE
WORK COMPLETED BY DATE
ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
STATION "WEST", A BRASS TABLET STAMPED "WEST 1939". SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.83, Y=473027.84, EL.=5310.21

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

NO.	DATE	REVISIONS / REMARKS	BY
1	6/26/96	REVISED SHEET 11-24	RHT
		DESIGN	
		DESIGNED BY RM DATE 5/28/96	
		DRAWN BY RHT DATE 5/28/96	
		CHECKED BY BHM DATE 5/28/96	

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

IRRIGATION PLAN
WALL PLANTER 1

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	11-24	

26-40449.9122198

sun-rig4 5/28/96 1=10

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NOTE

1. CONTRACTOR SHALL UPSIZE CONTROLLER F & J TO 16 STATION CONTROLLER #M5S-2S-S1 WIYH KEYBOARD #V-308 AND ANTENA.

IRRIGATION NOTES

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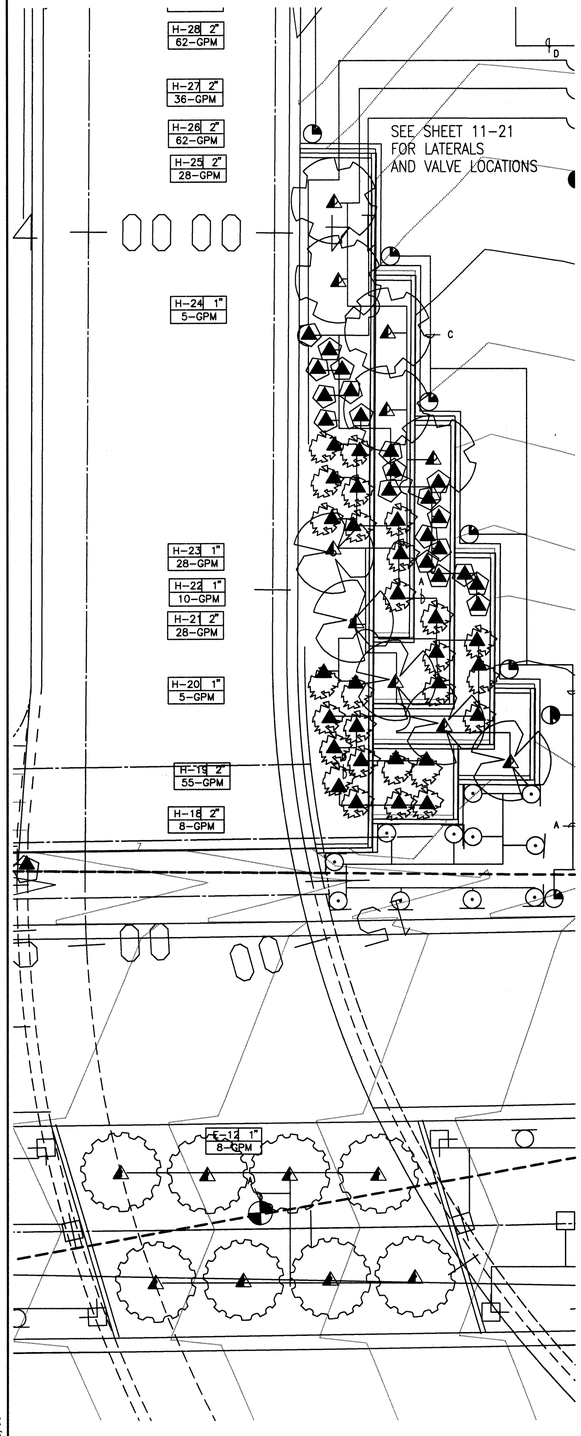
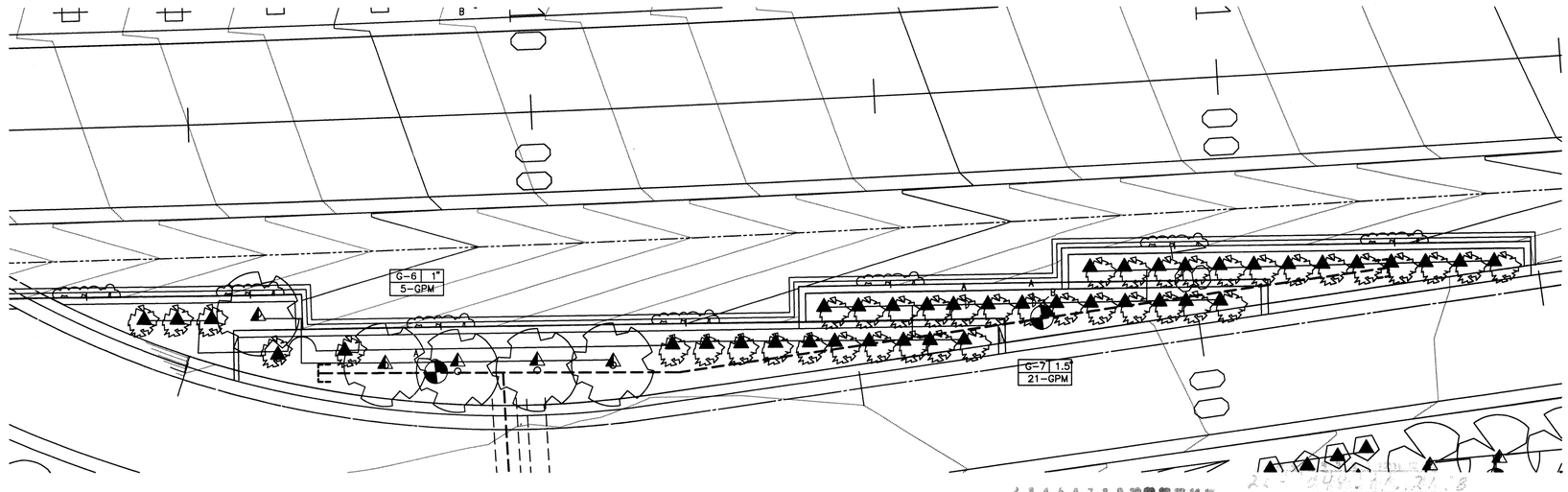
   "B" = 1-1/4"
   "C" = 1-1/2"
   "D" = 2"
   "E" = 2-1/2"
6. KEY TO VALVE IDENTIFICATION BOX:
   CONTROLLER AND VALVE NO. — V-1 | 2" — VALVE SIZE
   GPM — 51 GPM
7. SEE SHEET 11/29 FOR IRRIGATION LEGEND



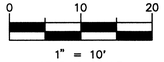
IRRIGATION DETAIL WALL PLANTER 2 (SEE DETAILS A/11-29, B/11-29)



IRRIGATION DETAIL WALL PLANTER 3 (SEE DETAILS A/11-29, B/11-29)

216-4044.91/220191RP

wm Jones P.E.



RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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MORROW & COMPANY, LTD.
LANDSCAPE ARCHITECTS
210 La Veta N.E.
Albuquerque, N.M. 87108
PH: 505 268-2266 FAX: 505 255-9637

AS BUILT INFORMATION

CONTRACTOR
WORK STAKED BY — DATE
INSPECTED BY
ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 19.39", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

SEAL

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY	DATE
1	6/26/96	REVISED SHEET 11-25	RHT	5/28/96
		DESIGN		
		DESIGNED BY	RM	5/28/96
		DRAWN BY	RHT	5/28/96
		CHECKED BY	BHM	5/28/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **SUNPORT BOULEVARD – PHASE II**

IRRIGATION PLAN
WALL PLANTER 2 & 3

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	11-25	

5/28/96
1=10
SUN-IRG4

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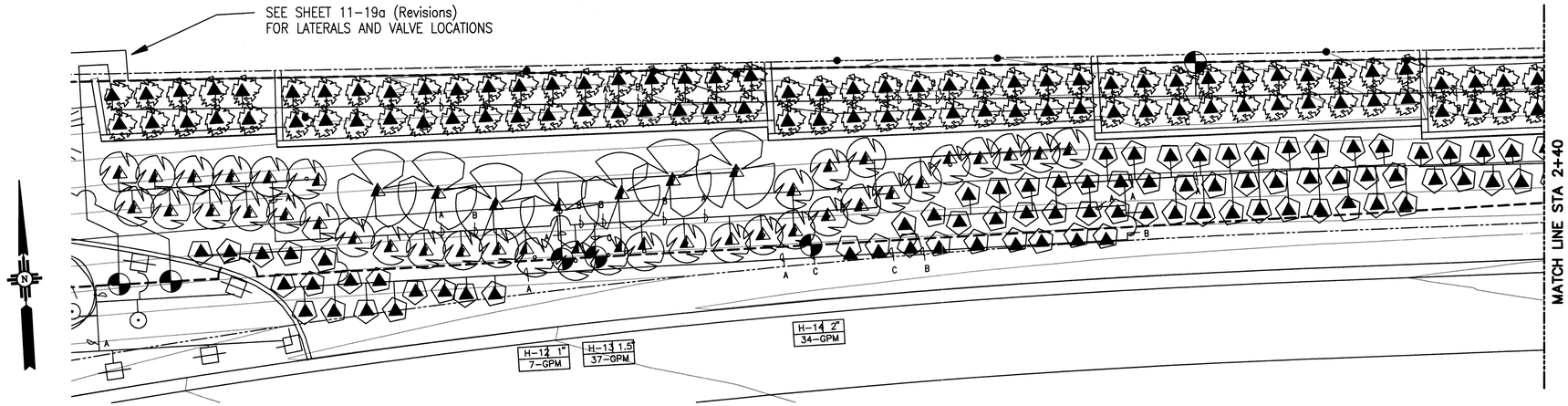
NOTE

1. CONTRACTOR SHALL UPSIZE CONTROLLER F & J TO 16 STATION CONTROLLER #M5S-2S-S1 WIYH KEYBOARD #V-308 AND ANTENA.



IRRIGATION NOTES

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2. WHERE LATERAL PIPING ENTERS RAISED PLANTERS, THE CONTRACTOR SHALL REFER TO DETAILS C/11-29 FOR CONTINUATION OF IRRIGATION SYSTEM, TYPICAL.
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5. KEY TO LATERAL PIPE SIZING AS FOLLOWS:
   "A" = 1"
   "B" = 1-1/4"
   "C" = 1-1/2"
   "D" = 2"
   "E" = 2-1/2"
6. KEY TO VALVE IDENTIFICATION BOX:
   CONTROLLER AND VALVE NO. — V-1 2" — VALVE SIZE
   GPM — 37 GPM
7. SEE SHEET 11/29 FOR IRRIGATION LEGEND

NOTE: SEE ALSO DETAILS A/11-29 AND B/11-29.

0 10 20
1" = 10'
GRAPHIC SCALE

MORROW & COMPANY, LTD.
LANDSCAPE ARCHITECTS
210 La Veta N.E.
Albuquerque, N.M. 87108
PH: 505 266-2256 FAX: 505 266-9637

W M Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
26-4044.91/22/98A

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
STAKING INSP. BY
ACCEPTANCE BY — DATE
FIELD VERIFICATION BY
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
1	6/26/96	REVISED SHEET 11-26	RHT

REVISIONS' DESIGN

DESIGNED BY	RM	DATE 5/28/96
DRAWN BY	RHT	DATE 5/28/96
CHECKED BY	BHM	DATE 5/28/96

MOLZEN-CORBIN & Associates

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

IRRIGATION PLAN
WALL PLANTER 4 & ROADSIDE PLANTER

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	11–26	

sun-rg4 1=10 5/28/96

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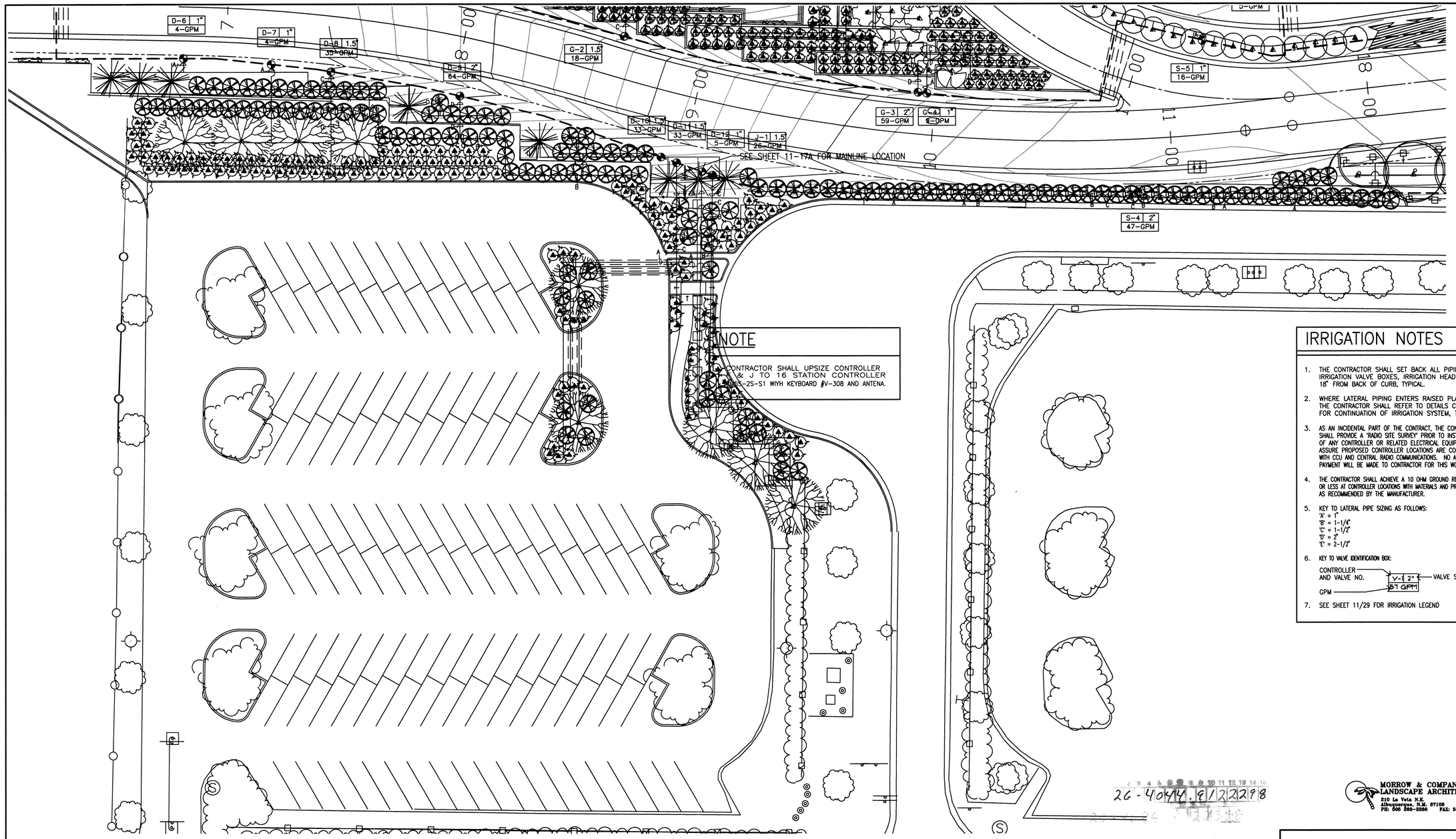

IRRIGATION NOTES

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   'C' = 1-1/2"
   'D' = 2"
   'E' = 2-1/2"
6. KEY TO VALVE IDENTIFICATION BOX:

7. SEE SHEET 11/29 FOR IRRIGATION LEGEND

MORROW & COMPANY, LTD.
LANDSCAPE ARCHITECTS
210 La Veta N.E.
Albuquerque, N.M. 87108
PH: 505 268-2266 FAX: 505 265-9637

MOLZEN-CORBIN & Associates

W M Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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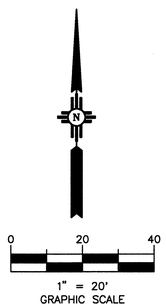

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AS BUILT INFORMATION

CONTRACTOR
WORK STARTED BY / DATE
WORK COMPLETED BY / DATE
ACCEPTANCE BY / DATE
FIELD VERIFICATION BY / DATE
DRAWINGS CORRECTED BY / DATE

MICRO-FILM INFORMATION
RECORDED BY / DATE
NO.

BENCH MARKS
STATION "WEST", A BRASS TABLET STAMPED "WEST 1939", SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)
PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
1	6/26/96	REVISED SHEET 11-27	RHT

REVISIONS

DESIGNED BY	RM	5/28/96
DRAWN BY	RHT	DATE 5/28/96
CHECKED BY	BHM	DATE 5/28/96
	DESIGN	DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

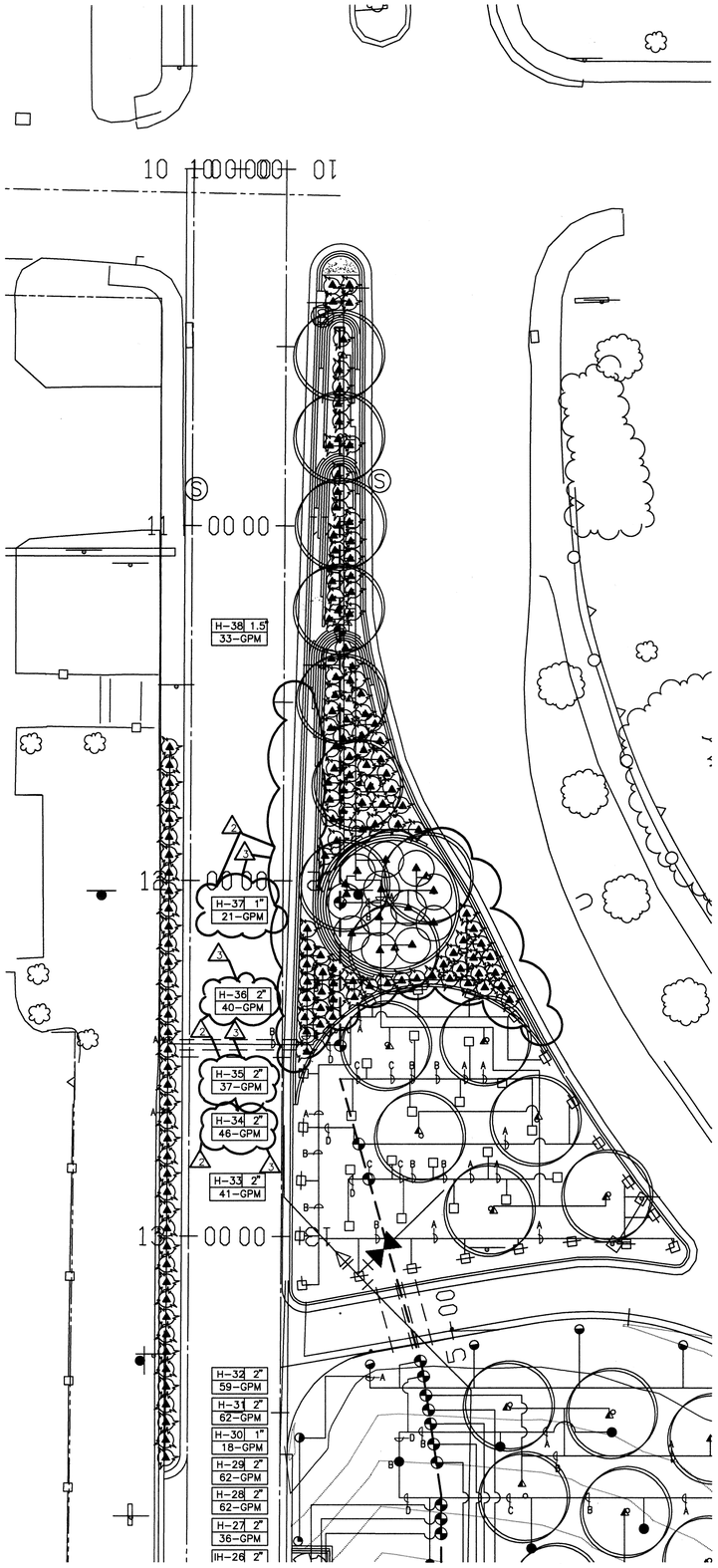
TITLE: SUNPORT BOULEVARD – PHASE II

SUNPORT BOULEVARD
IRRIGATION PLAN
EMPLOYEE PARKING LOT

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M-15&16	11-27	

sun-irg3 1=20 5/28/96



NOTE

1. CONTRACTOR SHALL UPSIZE CONTROLLER F & J TO 16 STATION CONTROLLER #M5S-2S-S1 WYH KEYBOARD #V-308 AND ANTENA.

IRRIGATION NOTES

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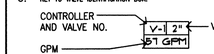
   "E" = 2-1/2"
6. KEY TO VALVE IDENTIFICATION BOX:



7. SEE SHEET 11/29 FOR IRRIGATION LEGEND

AS BUILT INFORMATION

CONTRACTOR
WORK STARTED BY DATE
WORK ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

STATION "WEST", A BRASS TABLET STAMPED "WEST 1939". SET ON TOP OF A CONC. BLOCK, IS LOCATED APPROX. 52' WEST OF & 14' SOUTH OF THE ALBUQUERQUE MUSEUM, LOCATED AT THE SOUTHEAST QUADRANT OF YALE BLVD. & GEORGE ROAD (VIEWPOINT RD.)

PROJECT: X=389231.83, Y=473027.84, EL.=5310.21

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
1	6/26/96	REVISED SHEET 11-28	RMT
2	6/15/97	REVISED SHEET 11-28	RM
3	7/29/97	REVISED SHEET 11-28	
		DESIGN	
		DESIGNED BY RM	DATE 5/24/96
		DRAWN BY RHT	DATE 5/24/96
		CHECKED BY BHM	DATE 5/24/96

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MOLZEN-CORBIN & Associates

26-4044.91

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT. THESE DRAWINGS WERE ORIGINALLY PREPARED IN CADD FORMAT AND APPROVED FOR CONSTRUCTION BY THE CITY ENGINEER ON 5/30/96. DRAWINGS INCLUDED IN THIS SET WHICH DO NOT HAVE ORIGINAL DRC SIGNATURES HAVE BEEN MODIFIED AND REPLOTTED FOR RECORD DRAWING PURPOSES.

0 20 40
1" = 20'
GRAPHIC SCALE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD – PHASE II

YALE BOULEVARD
IRRIGATION PLAN
PLANTER DETAIL

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M-15&16	11-28	

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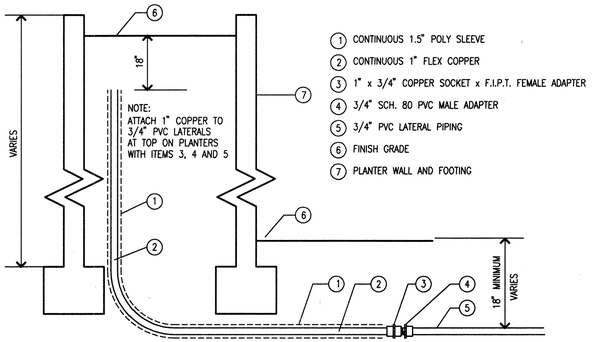


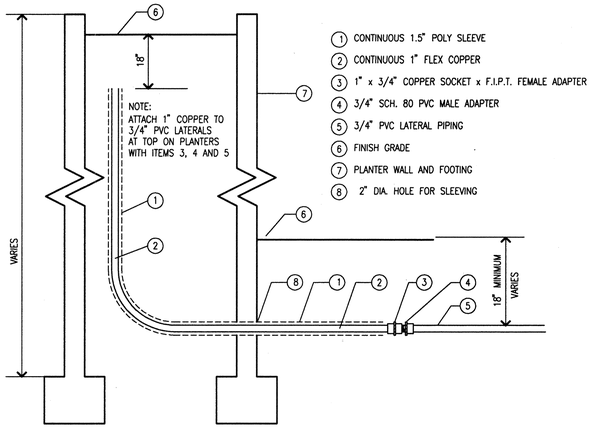
1 CONTINUOUS 1.5" POLY SLEEVE
2 CONTINUOUS 1" FLEX COPPER
3 1" x 3/4" COPPER SOCKET x F.I.P.T. FEMALE ADAPTER
4 3/4" SCH. 80 PVC MALE ADAPTER
5 3/4" PVC LATERAL PIPING
6 FINISH GRADE
7 PLANTER WALL AND FOOTING

NOTE:
ATTACH 1" COPPER TO 3/4" PVC LATERALS AT TOP ON PLANTERS WITH ITEMS 3, 4 AND 5

NOTE; SEAL ENDS OF POLY SLEEVES WITH SILICONE SEALANT

A 11-29 LATERAL AT PLANTER WALL, TYPICAL

PLNT-DTL 041096 N.T.S.



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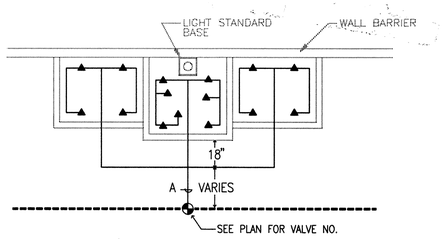
5 3/4" PVC LATERAL PIPING
6 FINISH GRADE
7 PLANTER WALL AND FOOTING
8 2" DIA. HOLE FOR SLEEVING

NOTE:
ATTACH 1" COPPER TO 3/4" PVC LATERALS AT TOP ON PLANTERS WITH ITEMS 3, 4 AND 5

NOTE; SEAL ENDS OF POLY SLEEVES WITH SILICONE SEALANT

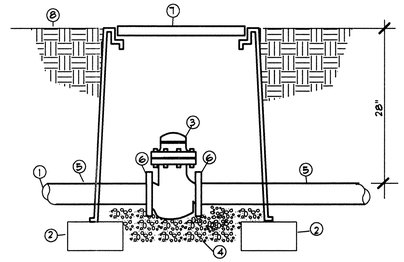
B 11-29 LATERAL AT PLANTER WALL, TYPICAL

PLNT-DTL 041096 N.T.S.



C 11-29 SUPPORT WALL PLANTER PLANS

PLNT-DTL 041096 1/8" = 1'-0"

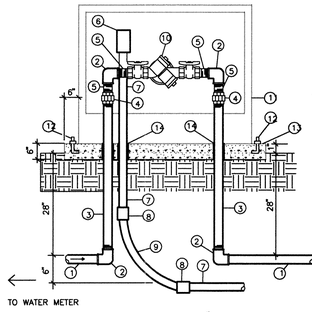


1 TO NEW GATE VALVE (SEE LEGEND)
2 CMU BLOCK
3 BERMAD FLOW METER (SEE LEGEND)
4 PEA GRAVEL - 3 CUBIC FEET
5 MAINLINE PIPE (SEE LEGEND)
6 SPEARS 6" SLIP FLANGE
7 BROOKS PRODUCTS, INC. 1130 FB-18 BODY (ABS) VALVE BOX WITH 1133Ø BOLT DOWN COVER (ABS) AND W/ 8" EXTENSIONS AS REQUIRED
8 FINISH GRADE

NOTE; CONNECT TWO (2) BLUE WIRES BETWEEN THE FLOW SENSOR IMPULSE AND THE CONTROLLER. THE ACTUATORS FOR THE BERMAD CAN BE A WHITE AND A RED WIRE.

D 11-29 BERMAD FLOW METER ASSEMBLY

MCD-0013 071495 N.T.S.

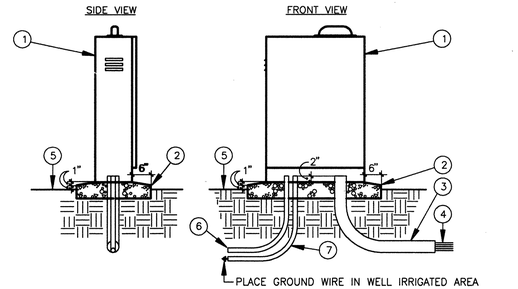


NOTE:
CONTRACTOR SHALL SUPPLY AND INSTALL WINTERGARD WET H612 HEAT CABLE AROUND EXPOSED PIPES AND BACKFLOW PREVENTER. MINIMUM 1:3 SPIRALLING RATIO.

1 PVC MAINLINE (SEE LEGEND)
2 GALVANIZED ELBOW
3 GALVANIZED NIPPLE - 42" LENGTH
4 GALVANIZED UNION
5 GALVANIZED NIPPLE- 3" LENGTH
6 JUNCTION BOX FOR HEAT TAPE
7 RIGID STEEL CONDUIT
8 WATERTIGHT CONNECTOR
9 RIGID STEEL SWEEP ELL
10 REDUCED PRESSURE BACKFLOW PREVENTER OR APPROVED EQUAL
11 INSULATED ENCLOSURE (SEE LEGEND)
12 ANCHOR BOLTS
13 3000 PSI CONCRETE PAD WITH TOOLED EDGES
14 PVC SLEEVE

E 11-29 R.P. BACKFLOW PREVENTER

MCD-0048 080495 N.T.S.



1 IRRIGATION CONTROLLER WITH PEDESTAL, SEE IRRIGATION LEGEND. INSTALL TO MANUFACTURE STANDARDS
2 4000 PSI CONCRETE BASE. 8" MINIMUM THICKNESS. ALL EDGES SHALL BE TOOLED WITH 1/2" RADIUS
3 4" RIGID PVC LONG SWEEP ELL EXTEND 12" BEYOND ADJACENT WALKS
4 24-VOLT WIRES FROM CONTROLLER TO AUTOMATIC VALVES, SEE SPECIFICATIONS
5 FINISH GRADE.
6 120-VOLT SERVICE IN CONDUIT, PER N.E.C.
7 SWEEP FOR 200' #4 BARE COPPER WIRE

F 11-29 IRRIGATION CONTROLLER

MCD-0165 110295 N.T.S.

IRRIGATION LEGEND

- M — 6" PROPOSED WATER METER AND 6" TAP PER C.O.A. STANDARD DETAILS 2363 (SIM.) & 2370
- = = = 24-VOLT WIRE SLEEVES, SIZE 2".
- ===== SLEEVE PIPING FOR LATERALS AND IRRIGATION MAIN LINE, CLASS 200 SDR-21 SOLVENT WELD PVC. SLEEVE SHALL BE TWO SIZES LARGER THAN PIPE TO BE SLEEVED. SLEEVE DEPTH FOR LATERALS SHALL BE 18". SLEEVE DEPTH FOR IRRIGATION MAIN LINE SHALL BE 28".
- MANUAL VALVE ASSEMBLIES MATCO WRT SERIES BRASS GATE VALVE WITH 2" NUT MAIN LINE SIZE _____ SEE C.O.A. STANDARD DETAIL 2701
- FLOW METER ASSEMBLIES BERMAD 910-P-6 REMOTE CONTROL HYDROMETER WITH 1-10 PULSE TRANSMITTER MAIN LINE SIZE _____ SEE DETAIL D/11-29
- BACKFLOW PREVENTER ASSEMBLY, FEBCO 825-Y-BV-6" REDUCED PRESSURE BACKFLOW PREVENTER IN NON HOT BOX ENCLOSURE _____ SEE DETAIL E/11-29
- IRRIGATION MAINLINE CLASS 200 GASKET END PVC, SIZE 6", 28" DEPTH OF BURY WITH THRUST BLOCK PER C.O.A. STANDARD DETAIL 2704
- AUTOMATIC VALVE ASSEMBLY, TORO 252 SERIES CONTAMINATION RESISTANT PLASTIC BODY AUTOMATIC VALVE WITH FLOW CONTROL SIZE AS SHOWN ON PLAN _____ SEE C.O.A. STANDARD DETAIL 2703
- LATERAL PIPING SCH. 40, BELL END, SOLVENT WELD PVC, 18" DEPTH OF BURY.
- SOLVENT WELD CAP, SCH. 40 PVC SIZE.
- C H — IRRIGATION CONTROLLER MOTOROLA IRRNET MSI-3T-SOR WITH KEYBOARD V-308 AND ANTENNA RRA-4908 IN TORO ENCLOSURE _____ SEE DETAIL F/11-29
- A B D E G K M — IRRIGATION CONTROLLER MOTOROLA SCORPIO MS6-25-SOR WITH 24 VOLT SURGE PROTECTION AND ANTENNA IN TORO ENCLOSURE _____ SEE DETAIL F/11-29
- L N J F — IRRIGATION CONTROLLER MOTOROLA SCORPIO MS6-15-SOR WITH 24 VOLT SURGE PROTECTION AND ANTENNA IN TORO ENCLOSURE _____ SEE DETAIL F/11-29

BUBBLER ASSEMBLY TORO 570Z-4P POP-UP BUBBLER ASSEMBLY
SEE C.O.A. STANDARD DETAIL 2709

MODEL	GPM	PSI
FB-100-PC	1.0 GPM	@ 40 PSI
FB-150-PC	0.5 GPM	@ 40 PSI

FIXED SPRAY POP-UP SPRINKLER ASSEMBLIES TORO 570Z-4P POP-UP BODY ASSEMBLIES WITH NOZZLES AS FOLLOWS: _____ SEE C.O.A. STANDARD DETAIL 2709

NOZZLE	AREA OF COVERAGE		GPM	PSI
8Q-PC	8'	RADIUS	.29	30
8H-PC	8'	RADIUS	.65	30
8F-PC	8'	RADIUS	1.30	30
10Q-PC	10'	RADIUS	.60	30
10H-PC	10'	RADIUS	.98	30
10F-PC	10'	RADIUS	1.85	30
12Q-PC	12'	RADIUS	.63	30
12H-PC	12'	RADIUS	1.55	30
12F-PC	12'	RADIUS	2.70	30
15Q-PC	15'	RADIUS	1.23	30
15H-PC	15'	RADIUS	2.14	30
15F-PC	15'	RADIUS	4.58	30

ROTOR POP-UP SPRINKLER TORO 8-700 COMMERCIAL BODY WITH NOZZLES AS FOLLOWS:
SEE C.O.A. STANDARD DETAIL 2709

NOZZLE	AREA OF COVERAGE			GPM	PSI
4.5	180°	46'	RADIUS	4.23	50
7.0	360°	41'	RADIUS	7.11	50
9.0	360°	51'	RADIUS	8.90	50

AS BUILT INFORMATION

CONTRACTOR _____ DATE
INSPECTED BY _____
ACCEPTANCE BY _____ DATE
FIELD CHANGES BY _____
FIELD VERIFICATION BY _____ DATE
DRAWINGS CORRECTED BY _____ DATE

MICRO-FILM INFORMATION
RECORDED BY _____ DATE
NO. _____

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PROJECT: X=389231.63, Y=473027.84, EL.=5310.21

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NO.	BY	DATE
	KOOGLE & POULS	3/92

ENGINEER'S SEAL

NO.	DATE	REVISIONS / REMARKS	BY
1	6/26/96	REVISED SHEET 11-29	RHT
		DESIGN	
		DESIGNED BY	RM
		DRAWN BY	RM
		CHECKED BY	BHM

DATE 5/28/96
DATE 5/28/96
DATE 5/28/96

2G-4044.91/22/97 8

Wm Jones P.E.

RECORD DRAWING

DATE:	DRAFTED BY:
11/03/97	O.V.

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SUNPORT BOULEVARD - PHASE II

IRRIGATION DETAILS AND LEGEND

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4044.91	M15&16	11-29	

SUN-IRG4 1=1 5/28/96

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