LEGEND

MATERIALS

- SOIL CEMENT
- RIP-RAP
- CONCRETE

LINES

- SUBDIVISION BOUNDARY
- PROPERTY LINE (PLAN)
- PROPERTY LINE (SECTION)
- CENTERLINE
- EASEMENT LINE
- MATCH LINE
- SECTION CUT LINE

EARTHWORK

	EXISTING	NEW
CONTOUR LINE	25	25
SPOT ELEVATION		
PROJECT / PHASE BOUNDARY		
FLOWLINE		
DIRECTION OF FLOW		

MISCELLANEOUS UTILITIES

- GAS LINE
- UNDERGROUND TELEPHONE
- UNDERGROUND ELECTRICAL
- STORM DRAIN
- STORM DRAIN MANHOLE
- STORM DRAIN INLET

SANITARY SEWER

- SANITARY SEWER LINE
- SANITARY SEWER MANHOLE
- SAS SERVICE CONNECTIONS
- SAS CAP OR PLUG
- ENCASEMENT

WATER

- WATER LINE
- WATER SERVICE CONNECTIONS
- GATE VALVE
- FIRE HYDRANT
- BUTTERFLY VALVE
- REDUCER
- WATER PRESSURE ZONE BOUNDARY

WATER FITTINGS

- CAPS AND PLUGS
- ELBOW
- CROSS
- TEE

MISCELLANEOUS

- CHAINLINK FENCE
- FIELD FENCE
- COMMON YARD WALL
- RETAINING WALL
- POWER OR TELEPHONE POLE

PROJECT REFERENCES

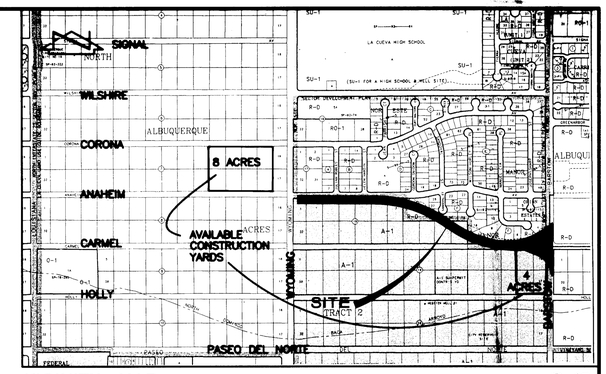
TITLE	AUTHOR	DATE
NORTH AND SOUTH DOMINGO BACA ARROYO AND PASEO DEL NORTE CORRIDOR DRAINAGE MANAGEMENT PLAN	R.T.I.	12/91
MASTER DRAINAGE PLAN–NORTH ARROYO DE DOMINGO BACA (ALIGNMENT STUDY) FOR APS NORTHEAST HEIGHTS MIDDLE SCHOOL	JMA	02/28/96
NORTH DOMINGO BACA ARROYO–SOIL CEMENT CHANNEL WITHIN WINDOW G	JMA	12/96
WINDOW G MASTER DRAINAGE PLAN	JMA	1/97
WINDOW G C.L.O.M.R. (APPROVED 3/6/97) FEMA # 97–06–217R	JMA	1/97
PINNACLE ESTATES APARTMENTS CONCEPTUAL GRADING AND DRAINAGE PLAN(C19/D11A) FOR SITE DEVELOPMENT PLAN APPROVAL–APPROVED 4–9–97	JMA	03/11/97
LA CUEVA VILLAGE DRAINAGE REPORT (C19/D11B) FOR PRELIMINARY PLAT, FINAL PLAT AND ROUGH GRADING APPROVED 06–02–97	JMA	05/05/97
PHASING AND INTERIM GRADING PLAN FOR WINDOW G (C19/D11) FOR PRELIMINARY PLAT AND SITE DEVELOPMENT PLAN–APPROVED 06–10–97	JMA	06/09/97

amafca

APPROVED FOR ~~CONSTRUCTION~~ BIDDING

8-13-97

LARRY A. BLAIR, P.E. DATE
EXECUTIVE ENGINEER, A.M.A.F.C.A.



VICINITY MAP C-19
SCALE: 1" = 750'

CONSTRUCTION PLANS for

NORTH DOMINGO BACA ARROYO WINDOW G SOIL CEMENT CHANNEL

ALBUQUERQUE, NEW MEXICO

AUGUST, 1997

RECORD DRAWING

INDEX OF DRAWINGS

RECORD DRAWING

I, Charles G. Cala, Jr., Registered Professional Surveyor in the State of New Mexico, do hereby certify that this "as-built" information was obtained by me or under my supervision and represents the "as-built" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.

1-13-1998
Charles G. Cala, Jr. Date
NMPS No. 11184

GENERAL NOTES:

1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, BE CONSTRUCTED IN ACCORDANCE WITH THE "NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION," 1994 EDITION, EXCEPT FOR WORK WITHIN CITY OF ALBUQUERQUE PUBLIC RIGHT–OF–WAY WHICH IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS– PUBLIC WORKS CONSTRUCTION–1986 – UPDATE NO. 6.
2. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM, 260–1990, FOR LOCATION OF EXISTING UTILITIES.
3. IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE OWNER OF SAID UTILITY, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS CONDUCTED ONLY PRELIMINARY INVESTIGATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES. THIS INVESTIGATION IS NOT CONCLUSIVE, AND MAY NOT BE COMPLETE, THEREFORE, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE, OR UNDERGROUND UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.
4. SHOULD A CONFLICT EXIST BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER IN WRITING SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY FOR ALL PARTIES.
5. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION.
6. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING SAFETY AND HEALTH.
7. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT–OF–WAY OR ONTO PRIVATE PROPERTY.
8. THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT–OF–WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET.
9. THE CONTRACTOR SHALL SECURE A "TOPSOIL DISTURBANCE PERMIT" PRIOR TO BEGINNING CONSTRUCTION.
10. CONTRACTOR SHALL NOTIFY THE CITY SURVEYOR NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED.
11. ALL WORK WITHIN THE CITY RIGHT–OF–WAY SHALL BE PERFORMED IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARDS.
12. IF THE REMOVAL OF EXISTING CURB AND GUTTER, SIDEWALK, AND/OR PAVING IS REQUIRED, THE CONTRACTOR SHALL SAWCUT AND/OR REMOVE TO THE NEAREST JOINT. WHEN ABUTTING NEW PAVEMENT TO EXISTING, THE CONTRACTOR SHALL CUT BACK THE EXISTING PAVING TO A STRAIGHT LINE IN ORDER TO REMOVE ANY BROKEN OR CRACKED PAVEMENT. CURB AND GUTTER AND/OR PAVEMENT SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THIS CONTRACT AND WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
13. A DISPOSAL SITE FOR ALL EXCESS EXCAVATION MATERIAL (CONTAMINATED OR OTHERWISE), ASPHALTIC PAVING, CONCRETE PAVING, ETC. SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE REGULATIONS. ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE AND IN HAUL THERETO SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, THEREFORE, NO SEPARATE PAYMENT SHALL BE MADE.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SAFELY OBTAINING THE REQUIRED COMPACTION. THE CONTRACTOR SHALL SELECT AND USE METHODS WHICH SHALL NOT BE INJURIOUS OR DAMAGING TO THE EXISTING FACILITIES AND STRUCTURES WHICH SURROUND THE WORK AREAS.
15. THE CONTRACTOR SHALL CONFINE HIS WORK WITHIN THE CONSTRUCTION LIMITS IN ORDER TO PRESERVE THE EXISTING IMPROVEMENTS AND SO AS NOT TO INTERFERE WITH THE OPERATIONS OF THE EXISTING FACILITIES.
16. TACK COAT REQUIREMENTS SHALL BE DETERMINED DURING CONSTRUCTION BY THE PROJECT ENGINEER.
17. ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
18. CONTRACTOR SHALL COORDINATE WITH THE WATER SYSTEM DIVISION FOR THE EXECUTION OF THE VALVE SHUT OFF PLAN, NOT LESS THAN THREE (3) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT THE EXISTING PUBLIC WATER UTILITIES. ONLY WATER SYSTEM DIVISION PERSONNEL SHALL OPERATE EXISTING VALVES. REFER TO SECTION 18 OF THE SPECIFICATIONS.
19. FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION CO–ORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION CO–ORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768–2551) PRIOR TO OCCUPYING AN INTERSECTION. CONTRACTOR MUST REFER TO SECTION 19 OF THE C.O.A. STANDARD SPECIFICATION FOR TRAFFIC CONTROL.
20. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED STRIPING BY CONTRACTOR TO EXISTING LOCATION OR AS INDICATED BY THIS PLAN SET.
21. CAUTION: THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR.
22. ANY WORK OCCURRING WITHIN AN ARTERIAL ROADWAY REQUIRES TWENTY–FOUR HOUR CONSTRUCTION.

SCANNED BY BY LASON

APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
DATE 2-23-98

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
1	G	Billy G. Scoggins 1/13/98	Kevin Brunk		1/13/98		
2	1-27						

ENGINEERS STAMP & SIGNATURE

JEFFREY & MORTENSEN NEW MEXICO 8547 REGISTERED PROFESSIONAL ENGINEER

08-13-97

APPROVALS	ENGINEER	DATE
DRC Chairman	Billy G. Scoggins	9-8-97
Transportation	[illegible]	8-26-97
Water/Wastewater	R.W. Rowe	8-26-97
Hydrology		
C.I.P.		
Const. Mngmt.		

★★★★★★★★★★★★★★★
APPROVED FOR CONSTRUCTION

9/5/97
CITY ENGINEER Date

City Project No. 572982

SHEET 1 OF 27

940951

970625

JEFF MORTENSEN & ASSOCIATES, INC.
8010–B MIDWAY PARK BLVD. N.E.
ALBUQUERQUE □ NEW MEXICO 87109
ENGINEERS □ SURVEYORS (505) 345–4250

C:\DATA\ACADDWG\940951\940951T Tue Aug 12 16:21:50 1997 -DLM

SUMMARY OF QUANTITIES

ITEM NO.	N.M.S.H.T.D. OR C.O.A. ITEM NO.	ITEM	UNIT	QUANTITY ESTIMATE	QUANTITY AS-BUILT
1.	0019.01	TRAFFIC CONTROL & BARRICADING,	LS	1	
2.	105.81	CONSTRUCTION STAKING,	LS	1	
3.	201.51	SITE CLEARING AND GRUBBING,	AC	15	
4.	203.51	CHANNEL EXCAVATION AND FILL OR STOCKPILE FOR SOIL CEMENT OR	CY	60,000	
		STOCKPILE AT DESIGNATED LOCATIONS,			
5.	0341.01	ASPHALT CONCRETE CURB, MACHINE EXTRUDED,	LF	30	
6.	0343.02	AC PAVEMENT < = 4", SAWCUT, REMOVE AND DISPOSE,	SY	440	
7.	0343.07	AC CURB, REMOVE AND DISPOSE, LF	LF	30	
8.	0510.1X	PCC, FORMED, 4000 PSI (SIDE INLET CURB),	CY	4	
9.	0801.XX	COMPLETE FIRE HYDRANT INSTALLATION,	EA	1	
10.	516.40	8" SLOPE PAVING, 4000 PSI,	SY	90	
11.	601.51	REMOVE AND DISPOSE EXISTING SOIL CEMENT,	CY	600	
12.	0602.51	TYPE M RIP-RAP 3' DEEP, INCL. FILTER FABRIC,	CY	175	
13.	603.41	N.P.D.E.S. PERMITTING,	LS	1	
14.	606.51	WEATHERING W-BEAM METAL BARRIER,	LF	1120	
15.	606.5X	4' RETAINING WALL FENCE	LF	68	
16.	607.51	EXIST. BARBED WIRE FENCE, REMOVE AND REINSTALL,	LF	630	
17.	621.41	MOBILIZATION, LS	LS	1	
18.	632.51	SEEDING, CLASS 'A',	AC	11	
19.	633.82	SOIL CEMENT IN PLACE	CY	16200	
20.	633.82	CEMENT FOR SOIL CEMENT,	TON	2840	
21.	0701.10	TRENCH, BACKFILL & COMPACTION, 18-36" < 8'	LF	138	
22.	0701.11	TRENCH, BACKFILL & COMPACTION, 18-36", 8-12',	LF	194	
23.	0701.20	TRENCH, BACKFILL & COMPACTION, > 36", 8'	IN DIA-LF	4032	
24.	0801.04	10" PVC C-900 PIPE, WL,	LF	90	
25.	0801.5X	EXISTING WATERLINE 2 1/4" - 14" W/FIT, REMOVE & DISPOSE, INCL. TRENCHNG,	LF	90	
26.	0801.59	NON-PRESSURE CONNECTION, W/FIT, WL, EA	EA	1	
27.	0801.65	CI/DI FITTINGS, MJ, 4-14", WL,	LB	620	
28.	0801.131	PCC BLOCKING/ENCASEMENT, 3000 PSI,	CY	6	
29.	0801.13X	RPCC UTILITY PROTECTION, 4000 PSI,	CY	30	
30.	0801.136	RES PVMT, R & R, W/O M,	SY	70	
31.	0901.XX	21" PVC PS-46 SAS,	LF	122	
32.	0901.6X	PUMP SEWAGE, SAS,	LS	1	
33.	0901.7X	21" TO 48" SAS, R & D, INCL. TRCHG	LF	122	
34.	09XX.XX	24" WELDED STEEL CASING, INCL. SKIDS,	LF	72	
35.	09XX.XX	30" WELDED STEEL CASING, INCL. SKIDS,	LF	72	
36.	0910.13	30" RCP III,	LF	48	
37.	0910.14	30" RCP IV,	LF	42	
38.	0910.17	36" RCP III,	LF	48	
39.	0910.21	48" RCP III,	LF	60	
40.	0910.22	48" RCP IV,	LF	24	
41.	0910.XX	DRNG LINE REMOVAL, 21"-48" INCL. TRCHG,	LF	96	
42.	0920.0X	MH, 4' DIA, C OR E, > 14'-16' D,	EA	1	
43.	0920.53	MANHOLE FLOOR REHAB,	EA	1	
44.	0510.11	STRUCTURAL RPCC, FORMED, 4000 PSI (BRIDGE),	CY	55	
45.	0510.12	WALL FOOTING, RPCC (BRIDGE),	CY	45	

NOTE: ITEMS BEGINNING WITH A ZERO ("0") ARE CITY OF ALBUQUERQUE ITEM NUMBERS (C.O.A.) . ITEMS NOT BEGINNING WITH A ZERO ARE NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENT (NMSHTD) NUMBERS.

RECORD DRAWING

I, Charles G. Cala, Jr., Registered Professional Surveyor in the State of New Mexico, do hereby certify that this "as-built" information shown hereon was obtained by me or under my supervision and represents the "as-built" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.

Charles G. Cala, Jr. Date
NMPS No. 11184

CHARLES G. CALA, JR. NEW MEXICO 11184 REGISTERED PROFESSIONAL SURVEYOR

PROJECT NOTES:

1. THE DESIGN OF THIS PROJECT IS BASED UPON THE PLAN TITLED "NORTH DOMINGO BACA ARROYO - SOIL CEMENT CHANNEL WITHIN WINDOW G, WYOMING BOULEVARD N.E. TO BARSTOW STREET N.E." PREPARED BY JEFF MORTENSEN & ASSOCIATES, INC., ENGINEER'S STAMP DATED 12-31-1996.

2. THE C.L.O.M.R. FOR THIS PROJECT (CASE NO: 97-06-217R) WAS APPROVED BY F.E.M.A. ON MARCH 6, 1997.

3. THE CONTRACTOR SHALL LIMIT ITS ACTIVITIES TO THE AREA SHOWN ON THE SITE PLAN. THE CONTRACTOR SHALL NOT UTILIZE ADJACENT PROPERTIES FOR CONSTRUCTION ACTIVITIES UNLESS PRIOR AUTHORIZATION IS RECEIVED FROM THE OWNER(S) OF SAID PROPERTIES.

4. TEMPORARY SHOOFLY (SHEET 23) WILL DIVERT WYOMING TRAFFIC AROUND CONSTRUCTION AREA DURING CHANNEL PROJECT DURATION AND WYOMING BOULEVARD IMPROVEMENTS CONSTRUCTION. WYOMING IMPROVEMENTS AND CONSTRUCTION/REMOVAL OF SHOOFLY TO BE PERFORMED BY SEPARATE CONTRACT. SHOOFLY TO BE IN PLACE BY SEPTEMBER 15, 1997.

5. SHOOFLY (CITY PROJECT NO. 572981) SHALL BE CONSTRUCTED BY SEPARATE CONTRACT PRIOR TO SEPTEMBER 15, 1997.

6. SHOOFLY SHALL BE REMOVED BY SEPARATE CONTRACT FOLLOWING COMPLETION OF WYOMING BOULEVARD IMPROVEMENTS.

7. RIP-RAP APRON (SHEET 17) SHALL BE CONSTRUCTED IMMEDIATELY FOLLOWING REMOVAL OF SHOOFLY. IF SHOOFLY IS NOT REMOVED BEFORE 14 DAYS PRIOR TO PROJECT COMPLETION DATE, CONTRACTOR SHALL PROVIDE AND STOCKPILE RIP-RAP AT PROJECT MANAGER'S DIRECTION IN LIEU OF INSTALLATION. NO ADJUSTMENT IN CONTRACT PRICE SHALL BE MADE.

8. FINAL OUTLET GRADING (SHEET 22) SHALL BE PERFORMED AND COMPLETED AFTER REMOVAL OF SHOOFLY. IF SHOOFLY IS NOT REMOVED BEFORE 14 DAYS PRIOR TO PROJECT COMPLETION DATE, FINAL OUTLETT GRADING SHALL BE DELETED FROM THE CONTRACT.

9. BECAUSE THIS PROJECT LIES WITHIN EXISTING FLOODPLAIN, ALL FILL SHALL BE COMPACTED TO A MINIMUM DRY DENSITY OF 95% (A.S.T.M. D-1557). REFER TO PROJECT SPECIFICATIONS FOR SPECIFIC COMPACTION REQUIREMENTS.

10. A SEPARATE CONTRACT FOR GRADING AND CONSTRUCTION OF PINNACLE ESTATES AND LA CUEVA VILLAGE WILL BE EXECUTED FOR THE SAME TIME AS THE CHANNEL GRADING AND CONSTRUCTION. IN SOME CASES, THE DIFFERENCE BETWEEN PROPOSED AND EXISTING GRADE AT THE COMMON PROPERTY LINE IS AS MUCH AS THREE (3) VERTICAL FEET. THE CONTRACTOR SHALL COORDINATE COMMON LINE GRADING WITH THE ADJACENT CONTRACTOR TO AVOID LEAVING VERTICAL CUTS AND/OR FILLS. THE MAXIMUM UNSUPPORTED SLOPE SHALL BE 2:1 UP TO A MAXIMUM HEIGHT OF THREE (3) FEET.

11. ALL EXCESS SOIL NOT REQUIRED FOR SOIL CEMENT PRODUCTION TO BECOME THE PROPERTY OF HOECH REAL ESTATE CORPORATION (HREC). EXCESS SOIL TO BE STOCKPILED AT THE DESIGNATED AREAS SHOWN ON SHEET 5.

12. 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.

13. 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.

14. THE CONTRACTOR IS RESPONSIBLE FOR FILING A "NOTICE OF INTENT" UNDER THE "GENERAL PERMIT" FOR ALL STORM WATER DRAINAGE ACTIVITY DURING PROJECT CONSTRUCTION. SEE SECTION 603 OF THE STANDARD SPECIFICATIONS.

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

16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING AND CLEANUP OF SPILLS ASSOCIATED WITH PROJECT CONSTRUCTION AND SHALL REPORT AND RESPOND TO SPILLS OF HAZARDOUS MATERIALS SUCH AS GASOLINE, DIESEL, MOTOR OILS, SOLVENTS, CHEMICALS, TOXIC AND CORROSIVE SUBSTANCES, ETC. WHICH MAY BE A THREAT TO PUBLIC HEALTH OR THE ENVIRONMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING DISCOVERIES OF PAST SPILLS AND OF CURRENT SPILLS NOT ASSOCIATED WITH CONSTRUCTION. REPORTS SHALL BE MADE IMMEDIATELY TO THE NEW MEXICO ENVIRONMENT DEPARTMENT EMERGENCY RESPONSE 827-4308 OR 470-3657.

17. A GEOTECHNICAL INVESTIGATION REPORT INCLUDING RESULTS OF EXPLORATORY BORINGS ARE AVAILABLE FOR CONTRACTOR'S REVIEW PRIOR TO BIDDING ON THIS PROJECT. THE RESULTS OF BORINGS AND STATEMENTS IN THE REPORT ARE ONLY FOR CONTRACTORS INFORMATION ONLY AND IT SHALL NOT BE CONSIDERED AS A REPLACEMENT FOR CONTRACTOR'S INDEPENDENT VERIFICATION OF THE EXISTING MATERIALS AT VARIOUS LOCATIONS THROUGHOUT THE ENTIRE LENGTH OF THE PROJECT. CONTRACTORS MAY AND ARE ENCOURAGED TO PERFORM THEIR OWN LABORATORY TESTINGS TO OBTAIN ALL NECESSARY INFORMATION FOR BIDDING PURPOSES.

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

19. THE USE OF HEAVY ROLLING EQUIPMENT AND/OR VIBRATORY ROLLERS TO OBTAIN THE REQUIRED DENSITIES IN SOIL CEMENT, EMBANKMENT, EMBANKMENT FOUNDATION, MISCELLANEOUS FILLS & SUBGRADE WILL NOT BE PERMITTED IN AREAS WHERE THE USE OF SUCH EQUIPMENT WOULD DAMAGE UNREINFORCED MASONRY STRUCTURES, DWELLINGS, UNDERGROUND UTILITY FACILITIES OR OTHER PERMANENT INSTALLATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SAFELY OBTAINING THE REQUIRED COMPACTION. THE CONTRACTOR SHALL SELECT AND USE METHODS WHICH SHALL NOT BE INJURIOUS OR DAMAGING TO THE EXISTING FACILITIES AND STRUCTURES WHICH SURROUND THE WORK AREAS.

20. THE CONTRACTOR SHALL NOT EXCEED LEGAL LOADS ON ROADWAYS.

21. QUANTITIES SHOWN HEREIN FOR THE VARIOUS BID ITEMS ARE FOR THE CONTRACTOR'S INFORMATION ONLY. PAYMENT SHALL BE BASED ON ACTUAL QUANTITIES AS CONSTRUCTED, EXCEPT FOR SOIL CEMENT. SOIL CEMENT SHALL BE PAID FOR FROM PLAN QUANTITIES.

22. MATERIALS TESTING WILL BE PERFORMED IN ACCORDANCE WITH SECTION 106 OF THE STANDARD SPECIFICATIONS.

23. FILL MATERIALS FROM EXCAVATION OR BORROW WHICH REQUIRE MORE THAN ONE HANDLING PRIOR TO FINAL PLACEMENT, INCLUDING STOCKPILING AND BLENDING TO MEET GRADATION REQUIREMENTS OR STOCKPILING FOR LATER DISPOSAL, WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT UNIT PRICE FOR UNCLASSIFIED EXCAVATION. NO SEPARATE PAYMENT SHALL BE MADE FOR FILLING, BLENDING OR MULTIPLE HANDLING AND FINAL PAYMENT SHALL BE MADE ON THE BASIS OF QUANTITIES REMOVED FROM THE ORIGINAL LOCATION.

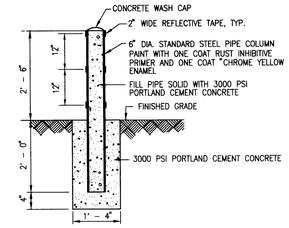
24. WATERING, AS REQUIRED FOR CONSTRUCTION AND DUST CONTROL, SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO MEASUREMENT OR PAYMENT SHALL BE MADE THEREFORE. CONSTRUCTION AREAS SHALL BE WATERED WITH EQUIPMENT FOR DUST POLLUTION ABATEMENT AS DIRECTED BY THE PROJECT MANAGER. THE CONTRACTOR, SHALL BE RESPONSIBLE FOR LOCATING AND SUPPLYING WATER AS REQUIRED.

25. THE CONTRACTOR WILL BE RESPONSIBLE TO REPLACE AT HIS OWN EXPENSE ANY AND ALL PROPERTY CORNERS DESTROYED IN THE PROCESS OF CONSTRUCTION. ALL PROPERTY CORNERS MUST BE SET BY A REGISTERED PROFESSIONAL SURVEYOR.

26. JEFF MORTENSEN & ASSOCIATES, INC. SHALL SET TBM'S AND FLAG FOUND PROPERTY CORNERS AS REQUIRED TO ESTABLISH PROJECT CONTROL. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN THESE MARKERS.

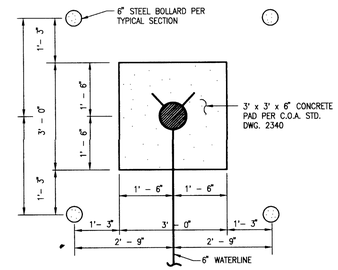
27. BRIDGE ABUTMENTS AT WYOMING ARE A PART OF THIS CONTRACT. BRIDGE DECK, WYOMING RECONSTRUCTION, REMOVAL OF SHOOFLY AND ANY MISCELLANEOUS APPURTENANCES ASSOCIATED WITH WYOMING BRIDGE DECK ARE NOT A PART OF THIS CONTRACT. BRIDGE ABUTMENTS AND ASSOCIATED RETAINING WALLS ARE BID LOT 2.

RECORD DRAWING



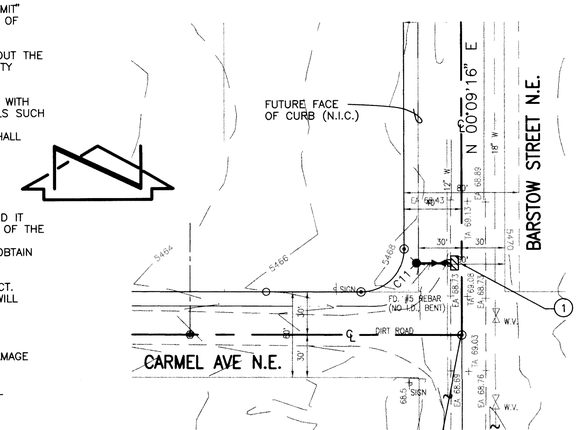
TYPICAL BOLLARD SECTION

SCALE: 1" = 2' - 0"



FIRE HYDRANT BOLLARD DETAIL

SCALE: 1" = 2' - 0"



FIRE HYDRANT DETAIL

SCALE: 1"=50'

EQUATION:
STA 15+27.60 BARSTOW ST NE=
STA 38+20.16 CARMEL AVE NE
(REFER TO PLAT FOR STATE PLANE TIE)

REFER TO SHEET 21 FOR WATERLINE INSTALLATION NOTES

(1) PRESSURE CONNECTION BARSTOW STA 14+77.39(10'RT)
INSTALL: 1-12"x12"x6" TAPPING SLEEVE
CONCRETE BLOCKING
1-6" TAPPING GATE VALVE
1-TYPE "B" VALVE BOX
22 LF 6" PVC C-900
1-FIRE HYDRANT (4 1/2" BURY)(31.5'RT)
PER COA STD DWG 2340
FLANGE @ ~~5470.0~~ 25.02
BOLLARDS AND CONCRETE PAD

NEATLY SAWCUT, REMOVE, DISPOSE AND REPLACE EXISTING ASPHALTIC CONCRETE PAVING PER COA STD DWG 2465

SCANNED BY

940951

970625

JEFF MORTENSEN & ASSOCIATES, INC.
6010-B MIDWAY PARK BLVD. NE.
ALBUQUERQUE NEW MEXICO 87109
ENGINEERS SURVEYORS (505) 345-4250

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: NORTH DOMINGO BACA ARROYO
WINDOW G SOIL CEMENT CHANNEL
SUMMARY OF QUANTITIES, PROJECT NOTES, FIRE HYDRANT DETAIL

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

City Project No. 572982 | Zone Map No. C-19 | Sheet 2 Of 27

AS BUILT INFORMATION
CONTRACTOR MR. TAFOYA DATE 10/97
WORK STAKED BY J.M.A. DATE 01/98
INSPECTOR'S ACCEPTANCE BY AMAFCA DATE 01/98
FIELD VERIFICATION BY J.M.A. DATE 01/98
DRAWINGS CORRECTED BY J.M.A. DATE 01/98
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
CITY OF ALBUQUERQUE BENCH MARK "HEAVEN". A STANDARD USC AND GS BRASS TABLET STAMPED "HEAVEN 1969", SET IN TOP OF A CONCRETE POST FLUSH WITH THE GROUND LOCATED AT THE ENTRANCE TO THE "GATE OF HEAVEN" CEMETERY 0.15 MILES WEST OF THE INTERSECTION OF PASEO DEL NORTE N.E. AND WYOMING BOULEVARD N.E. STATION IS ON THE SOUTH SIDE OF PASEO DEL NORTE.
ELEVATION = 5378.78 FEET (M.S.L.D.)

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
940951	JMA	10/94
940953	JMA	8/96

ENGINEER'S SEAL
JEFFREY G. MORTENSEN NEW MEXICO 8547 REGISTERED PROFESSIONAL ENGINEER
08-13-97

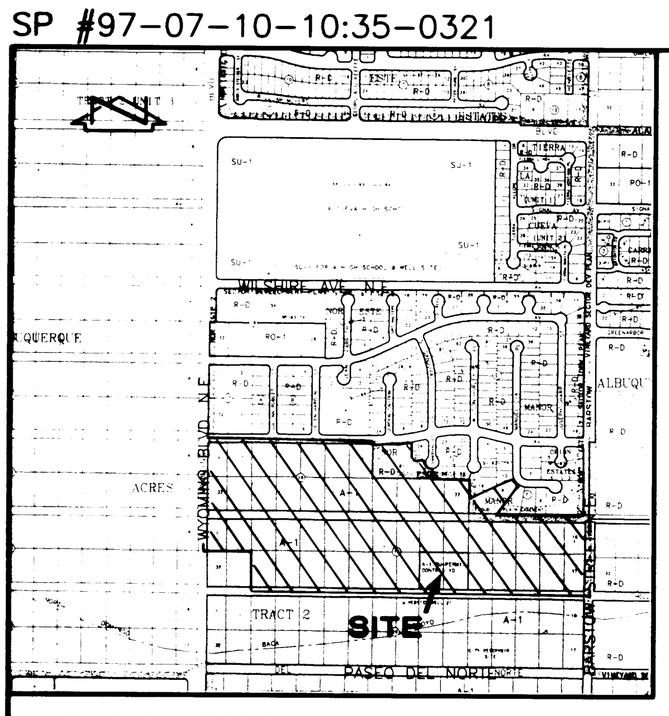
G.M.

NO.	DATE	REMARKS	BY
2	01/98	AS-BUILT & CERTIFY	G.M.

Revisions

		Date
Designed By	G.M	04-97
Drawn By	D.L.M.	04-97
Checked By	J.G.M.	08-97

SP #97-07-10-10:35-0321



VICINITY MAP

C-19

SCALE: 1" = 750'

SUBDIVISION PLAT OF
LA CUEVA VILLAGE, UNIT 1
ALBUQUERQUE, NEW MEXICO
JULY, 1997

COUNTY CLERK FILING DATA

DESCRIPTION

A certain tract of land located within the Corporate Limits of the City of Albuquerque, New Mexico, comprising Lots 1–7, inclusive, Lots 22–32, inclusive, Block 18, and Lots 1–30, inclusive, Block 19, Tract 2, Unit 3, North Albuquerque Acres as the same are shown on the plat filed in the Office of the County Clerk of Bernalillo County, New Mexico on September 10, 1931, Book D1, Page 20, together with Lot 9 and Tract B–1, Nor Este Manor, as shown on the plat filed in the Office of the County Clerk of Bernalillo County, New Mexico on May 12, 1993, Book 93C, Page 131, together with public rights–of–way within Carmel Avenue N.E. and Holly Avenue N.E. (portions of Carmel Avenue N.E. vacated by V–97–46) and being more particularly described as follows:

Beginning at the northwest corner of the parcel herein described, being the point of intersection of the centerline of Wyoming Boulevard N.E. with the centerline of Anaheim Avenue N.E.; thence S 89°39'24" E a distance of 1155.19 feet along the centerline of Anaheim Avenue N.E. to the northeast corner of the parcel herein described, being a point on the Anaheim Avenue N.E. centerline opposite the northeast corner of said Lot 7, Block 18, North Albuquerque Acres; thence S 00°08'52" W a distance of 30.00 feet to a point on the south right–of–way line of Anaheim Avenue N.E., said point being the northwest corner of said Tract B–1, Nor Este Manor; thence S 89°39'10" E a distance of 100.87 feet along said south right–of–way line of Anaheim Avenue N.E.; thence along the arc of a curve to the left with DELTA = 11°41'01", R = 830.00 feet and L = 169.25 feet (Chord Bearing = N 84°30'20" E, Chord Length = 168.96 feet) along said right–of–way line to the northeast corner of said Tract B–1, Nor Este Manor, also being the northwest corner of Lot 28, Block F, Nor Este Manor, as shown on the plat filed in the Office of the County Clerk of Bernalillo County, New Mexico on May 12, 1993, Book 93C, Page 131; thence S 00°08'53" W a distance of 112.33 feet; thence S 58°41'20" E a distance of 27.02 feet; thence S 89°51'07" E a distance of 73.31 feet to a point on the west right–of–way line of Sandoval Court N.E., being common with the southeast corner of Lot 27, Block F, Nor Este Manor; thence along the arc of a curve to the left with DELTA = 102°50'28", R = 45.00 feet and L = 80.77 feet (Chord Bearing = S 38°25'53" E, Chord Length = 70.36 feet) along said right–of–way line; thence S 00°08'53" W a distance of 70.49 feet to the southeast corner of said Tract B–1, Nor Este Manor, also being the southwest corner of Lot 26, Block F, Nor Este Manor; thence S 89°39'10" E a distance of 249.74 feet to the northeast corner of said Lot 22, Block 18, North Albuquerque Acres; thence S 00°10'03" W a distance of 140.05 feet to the northwest corner of said Lot 9, Block F, Nor Este Manor; thence N 64°54'56" E a distance of 342.32 feet to the northernmost corner of said Lot 9, Block F, Nor Este Manor, also being a point on the west right–of–way line of Manuel Cia Court N.E.; thence along the arc of curve to the left with DELTA = 27°22'19", R = 100.00 feet and L = 47.77 feet (Chord Bearing = S 38°46'59" E, Chord Length = 47.32 feet) along said right–of–way line; thence S 37°29'42" W a distance of 256.44 feet to the southeast corner of said Lot 9, Block F, Nor Este Manor, also being a point on the north right–of–way line of Carmel Avenue N.E. (vacated by V–97–46); thence S 89°39'10" E a distance of 571.10 feet along said former Carmel Avenue right–of–way line; thence along the arc of a curve to the left with DELTA = 90°11'34", R = 30.00 feet and L = 47.22 feet (Chord Bearing = N 45°15'03" E, Chord Length = 42.50 feet) to a point on the west right–of–way line of Barstow Street N.E.; thence S 00°09'16" W a distance of 60.10 feet along said right–of–way line to the point of intersection of the west right–of–way line of Barstow Street N.E. with the centerline of Carmel Avenue N.E.; thence S 89°39'10" E a distance of 40.00 feet to the point of intersection of the centerline of Carmel Avenue N.E. with the centerline of Barstow Street N.E.; thence S 00°09'16" W a distance of 527.60 feet along said centerline to the point of intersection with the centerline of Holly Avenue N.E.; thence N 89°39'10" W a distance of 2308.87 feet along said centerline to the southwest corner of the parcel herein described, being a point on the Holly Avenue N.E. centerline opposite the southwest corner of said Lot 30, Block 19, North Albuquerque Acres; thence N 00°07'55" E a distance of 264.00 feet to the northwest corner of said Lot 30, Block 19, North Albuquerque Acres; thence N 89°39'10" W a distance of 330.00 feet to a point on the centerline of Wyoming Boulevard N.E. opposite the southwest corner of said Lot 1, Block 19, North Albuquerque Acres; thence N 00°07'55" E a distance of 791.79 feet along said centerline to the point of beginning and containing 51.3167 acres more or less.

DEDICATION AND FREE CONSENT

The undersigned owners of the land shown hereon do hereby consent to the subdivision of said land in the manner shown on this plat and do hereby dedicate in fee simple with warranty covenants the public rights–of–way and grant the easements as shown, including the rights of ingress and egress and the right to trim interfering trees.

Donald G. Hoech, President, Hoech Real Estate Corporation, a New Mexico Corporation, (Tracts A, B and Lots 1–59) — Date 7/28/97

Gordon L. Skarsgard, Manager and Registered Agent, Window G Commercial Ltd. Co., a New Mexico Limited Liability Co., (Tract C) — Date 7/25/97

Nasib F. Nuseibeh, Bahia Battah Nuseibeh, Husband and Wife, (Tracts D, E and F) — Date 7/25/97

Richard T. Stewart, Brenda J. Stewart, Husband and Wife, (Lot 9A) — Date 7/28/97

Larry A. Blair, Executive Engineer, A.M.A.F.C.A., (Tract B–1–A) — Date July 25, 1997

ACKNOWLEDGEMENT

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO) SS

This instrument was acknowledged before me on this 28th day of July, 1997, by Donald G. Hoech as President of Hoech Real Estate Corporation, a New Mexico Corporation, on behalf of said Corporation.

My Commission Expires: 5-6-2001
Notary Public

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO) SS

This instrument was acknowledged before me on this 25th day of July, 1997, by Gordon L. Skarsgard as Manager and Registered Agent of Window G Commercial Ltd. Co., a New Mexico Limited Liability Co., on behalf of said Limited Liability Co.

My Commission Expires: 5-6-2001
Notary Public

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO) SS

This instrument was acknowledged before me on this 28th day of July, 1997, by Nasib F. Nuseibeh and Bahia Battah Nuseibeh, Husband and Wife.

My Commission Expires: 2.4.98
Notary Public

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO) SS

This instrument was acknowledged before me on this 28th day of July, 1997, by Richard T. Stewart and Brenda J. Stewart, Husband and Wife.

My Commission Expires: 2.4.98
Notary Public

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO) SS

This instrument was acknowledged before me on this 25th day of July, 1997, by Larry A. Blair as Executive Engineer of the Albuquerque Metropolitan Arroyo Flood Control Authority (A.M.A.F.C.A.), a political subdivision of the State of New Mexico, on behalf of A.M.A.F.C.A.

My Commission Expires: July 8, 2000
Notary Public

APPROVALS: DRB CASE NO. 96–546

	DATE
PLANNING DIRECTOR, CITY OF ALBUQUERQUE, NEW MEXICO	8-5-97
UTILITY DEVELOPMENT, CITY OF ALBUQUERQUE, NEW MEXICO	DATE
CITY ENGINEER, CITY OF ALBUQUERQUE, NEW MEXICO	July 25, 1997
A.M.A.F.C.A.	8-05-97
TRANSPORTATION DEVELOPMENT, CITY OF ALBUQUERQUE, NEW MEXICO	DATE
PARKS DESIGN & DEVELOPMENT, C.I.P., CITY OF ALBUQUERQUE, NEW MEXICO	072797
CITY SURVEYOR, CITY OF ALBUQUERQUE, NEW MEXICO	DATE
REAL PROPERTY, CITY OF ALBUQUERQUE, NEW MEXICO	8-7-97
P.N.M. ELECTRIC SERVICES	8-6-97
U.S. WEST COMMUNICATIONS	8-7-97
P.N.M. GAS SERVICES	7-31-97
JONES INTERCABLE	DATE

SURVEYORS CERTIFICATION

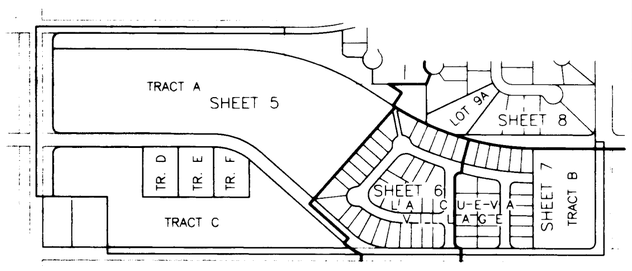
I, Charles G. Cala, Jr., a registered Professional Surveyor under the laws of the State of New Mexico do hereby certify that I conducted and am responsible for this plat, shows all easements made known to me by this owner, utility companies, or other parties expressing an interest; meets the minimum requirement for Monumentation and surveys of the Albuquerque Subdivision Ordinance; complies with the minimum standards for surveying in the State of New Mexico, and is true and correct to the best of my knowledge and belief.

Charles G. Cala, Jr., NMPS 11184 — Date July 29th, 1997

CHARLES G. CALA, JR. NEW MEXICO 11184 REGISTERED PROFESSIONAL SURVEYOR

JEFF MORTENSEN & ASSOCIATES, INC.
☐ 6010-B MIDWAY PARK BLVD. N.E.
☐ ALBUQUERQUE ☐ NEW MEXICO 87109
☐ ENGINEERS ☐ SURVEYORS (505) 345-4250
JOB #940955

SP #97-07-10-10:35-0321



INDEX MAP

SCALE: 1" = 500'

SUBDIVISION PLAT OF
LA CUEVA VILLAGE, UNIT 1
ALBUQUERQUE, NEW MEXICO
JULY, 1997

COUNTY CLERK FILING DATA

NOTES:

1. A boundary survey was performed in August and November, 1996 to determine the perimeter of the property to be platted. Unless otherwise indicated, perimeter property corners were monumented with #5 rebar and cap stamped "New Mexico PS 11184".
2. All distances are ground distances.
3. Record bearings and distances are shown in parenthesis.
4. Site located within projected Section 18, Township 11 North, Range 4 East, N.M.P.M. (Elena Gallegos Grant).
5. Bearings shown hereon are New Mexico State Plane Grid Bearings, Central Zone.
6. Street mileage created by this plat = 0.75 miles (full–width) and 0.91 miles (half–width).
7. Upon completion of the construction of the streets, City of Albuquerque approved centerline monuments shall be placed at all intersections or as otherwise indicated in lieu of subdivision block corner monumentation. Location of said monuments are designated with a " ◎ " symbol.
8. Portions of the subject property lie within a designated Flood Hazard Zone as shown on Panel 141 of 825 of the National Flood Insurance Program "Flood Insurance Rate Map" dated September 20, 1996. Until such time that a LOMR is approved by FEMA, Flood Insurance may be required.
9. In the event Grantor constructs any improvements within the easement on Lot 39, Unit 1, the City has the right to enter upon Grantors property at any time and perform whatever inspection, installation, maintenance, repair, modification or removal ("Work") it deems appropriate without liability to the City. If the work effects any Improvements of Encroachments made by the Grantor, the City will not be financially or otherwise responsible for rebuilding or repairing of Improvements or Encroachments. If in the opinion of the City, the Work to be performed by the City could endanger the structural integrity or otherwise damage the Improvements of Encroachments, the Grantor shall, at its own expense, take whatever protective measures are required to safeguard the Improvements or Encroachments.
10. The purpose of this plat is to:
    - a. Incorporate the portion of the public right–of–way within former Carmel Avenue N.E. vacated by V–97–46.
    - b. Dedicate public drainage right–of–way for construction of the AMAFCA channel within the alignment as shown.
    - c. Dedicate public right–of–way for realignment of Carmel Avenue N.E. as shown.
    - d. Grant the necessary easements as shown.
    - e. Incorporate the portion of the former Flood Plain Easement granted within former Tract B–1, Nor Este Manor and within former Lot 9, Block F, Nor Este Manor, vacated by V–97–46.
    - f. Create 59 residential lots within Unit 1, La Cueva Village.
    - g. Create Tracts A through F, La Cueva Village.
    - h. Create Tract B–1–A, La Cueva Village from remainder Tract B–1, Nor Este Manor.
    - i. Create Lot 9A, La Cueva Village from remainder Lot 9, Block F, Nor Este Manor.
11. a. Public Street Right–of–way vacated = 2.2717 acres.
    - b. Public Street Right–of–way dedicated = 8.9129 acres.
    - c. Public Drainage Right–of–way dedicated = 3.6432 acres.
12. Dedication to the ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY, Grantee, its successors and assigns, of lands, rights of way, and easements designated herein as "Flood Plain Easement" or "Drainage Easement" is with the full and free consent and in accordance with the desire of the undersigned owner, Grantor. This dedication is for drainage, flood control, conveyance of storm water, and the construction, operation, and maintenance of, and access to such facilities, and for subordinate recreational use and access on such facilities. Except by the written approval of Grantee, no fence, wall, building, or other obstruction may be placed or maintained in said easements, and there shall be no alteration of the grades or contours in said easement. The granting of easements shall not obligate the Grantee to maintain natural arroyos, drainage channels, or facilities that do not meet the standards of the Grantee for design and construction, nor shall this granting require the protection of property lying outside of the easement granted. Grantee shall only maintain property and/or improvements that it specifically agrees, by written agreement filed for public record, to maintain. Unless Grantee specifically agrees, by such written agreement, to maintain property and/or improvements, such maintenance responsibility shall remain with the Grantor, its successors or assigns. Landscaping or maintenance work, by the Grantor, within the easement hereby conveyed shall not alter the present flowline, capacity, or permeability of the present flood way area, except in an emergency. If emergency work is performed, Grantor shall notify the Grantee as soon as practical thereafter. Grantee will then determine if the emergency work can remain or must be removed or modified. Safe locations for structures built on lands adjacent to the real property described herein may be substantially outside of the area described herein. Any portion of any lands, right of way or easements granted herein shall revert to the Grantor, its successors or assigns, as and to the extent said portion is declared unnecessary for flood control or drainage by the Board of Directors of the Albuquerque Metropolitan Arroyo Flood Control Authority. Any reversion shall be conveyed by quitclaim deed. Vacation approval consistent with the City of Albuquerque or Bernalillo County Subdivision Ordinances will also be required.
13. Prior to issuance of Building Permit for Tract A, the developer will be required to provide an approved Park Dedication and Development Certificate to the City of Albuquerque Zoning Enforcement Division.

NOTICE OF SUBDIVISION CONDITIONS – TRACT C, LA CUEVA VILLAGE

A variance or waiver from certain subdivision requirements has been granted by the City and the Albuquerque Metropolitan Arroyo Flood Control Authority in connection with this plat.

Future subdivision of lands within this plat, zoning Site Development Plan approvals, and development permits may be conditioned upon dedication of rights–of–way and easements, and/or upon infrastructure improvements by the owner for water, sanitary sewer, streets, drainage, grading and parks in accordance with current resolutions, ordinances and policies in effect at the time for any specific proposal.

The City (and AMAFCA with reference to drainage) may require and/or permit easements to be added, modified or removed when future plats or Site Development Plans are approved.

By its approval the City makes no representation or warranties as to availability of utilities, or final approval of all requirements including (but not limited to) the following items: water and sanitary sewer availability; future street dedications and/or improvements; park and open space requirements; drainage requirements and/or improvements; and excavation, filling or grading requirements. Any person intending development of lands within this subdivision is cautioned to investigate the status of these items.

RECORD DRAWING

NOT PART OF CITY WORK ORDER

JEFF MORTENSEN & ASSOCIATES, INC.
☐ 6010-B MIDWAY PARK BLVD. N.E.
☐ ALBUQUERQUE ☐ NEW MEXICO 87109
☐ ENGINEERS ☐ SURVEYORS (505) 345-4250
JOB #940955

SP #97-07-10-10:35-0321

SUBDIVISION PLAT OF

LA CUEVA VILLAGE, UNIT 1

ALBUQUERQUE, NEW MEXICO

JULY, 1997

COUNTY CLERK FILING DATA

Public Utility easements shown on this plat are ten (10) feet wide and are granted for the common and joint use of:

1. The P.N.M. Electric Services for the installation, maintenance, and service of overhead and underground electrical lines, transformers, poles and other equipment, fixtures, structures and related facilities reasonably necessary to provide electrical service.
2. The P.N.M. Gas Services for installation, maintenance, and service of natural gas lines, valves and other equipment and facilities reasonably necessary to provide natural gas.
3. U.S. West for the installation, maintenance, and service of all buried and aerial communication lines and other related equipment and facilities reasonably necessary to provide communication services including, but not limited to, above ground pedestals and closures.
4. Jones Intercable for the installation, maintenance, and service of such lines, cables, and other related equipment and facilities reasonably necessary to provide Cable TV service.

Included, is the right to build, rebuild, construct, reconstruct, locate, relocate, change, remove, modify, renew, operate, and maintain facilities for the purposes described above, together with free access to, from, and over said easements, including sufficient working area space for electric transformers, with the right and privilege to trim and remove trees, shrubs or bushes which interfere with the purposes set forth herein. No building, sign, pool (aboveground or subsurface), hot tub, concrete or wood pool decking, or other structure shall be erected or constructed on said easements, nor shall any well be drilled or operated thereon. Property owners shall be solely responsible for correcting any violations of the National Electric Safety Code caused by construction or pools, decking, or any structures adjacent to within or near easements shown on this plat.

PNM ELECTRIC & GAS SERVICES EASEMENT RELEASE APPROVAL (SEE NOTE 11, SHEET 4 OF 8)

PNM Electric Services and/or PNM Gas Services, hereby release, waive, quitclaim and discharge its right, title, and interest in the easements (granted by prior plat, replat or document) shown to be vacated on this plat.

PNM ELECTRIC SERVICES

By: RL Roberts

PNM GAS SERVICES

By: N/A

STATE OF NEW MEXICO)
SS
COUNTY OF BERNALILLO)

This instrument was acknowledged before me on 7TH day of AUGUST, 1997, by ROB ROBERTS, a manager of the PNM Electric Services and/or PNM Gas Services, both being New Mexico corporations, on behalf of said Corporations.

Notary Public

My Commission Expires: 8-9-97

OFFICIAL SEAL
R[illegible] PHILLIPS
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires 8-9-97

JONES INTERCABLE EASEMENT RELEASE APPROVAL

Jones Intercable does hereby release, waive, quitclaim and discharge its right, title and interest in the easements (granted by prior plat, replat or document) shown to be vacated on this plat.

JONES INTERCABLE

By Karen Shore

STATE OF NEW MEXICO)
SS
COUNTY OF BERNALILLO)

This instrument was acknowledged before me on this 31st day of July, 1997, by Karen Shore as P&D Supervisor of Jones Intercable, a BCD-12 Venture corporation.

Violet M. Watson

Notary Public

My commission expires 7-14-2001

OFFICIAL SEAL
VIOLET M. WATSON
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires 7-14-2001

U.S. WEST COMMUNICATIONS QUITCLAIM

KNOW ALL MEN BY THESE PRESENTS: That U.S. WEST COMMUNICATIONS, INC., a Colorado Corporation, hereinafter called "Company" for and in consideration of One Dollar ($1.00) and other good and valuable considerations in hand paid, the receipt whereof is hereby confessed and acknowledged, does hereby release, remise and quitclaim all the right, title and interest in the easements shown to be vacated on this plat and hereby expressly excepting and reserving to the Company, any and all interest otherwise acquired in said property, except as shown to be vacated.

IN WITNESS WHEREOF, the Company has caused these presents to be executed by its duly authorized officer this 6th day of AUGUST, 1997.

U.S. WEST COMMUNICATIONS, INC.

By: Deborah A. Bonney

Manager – Network and Technology Services

STATE OF NEW MEXICO)
SS
COUNTY OF BERNALILLO)

This instrument was acknowledged before me on this 6th day of AUGUST, 1997, by D. BONNEY as Manager/Network and Technology Services of U.S. West Communications, Inc., a Colorado Corporation

Norma G Carrillo

Notary Public

My commission expires 2-6-99

NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires 2-6-99

JEFF MORTENSEN & ASSOCIATES, INC
☐ 6010-B MIDWAY PARK BLVD. N.E
☐ ALBUQUERQUE ☐ NEW MEXICO 8
☐ ENGINEERS ☐ SURVEYORS (505

JOB #940955

50

SHEET 3 OF 8

SP #97-07-10-10:35-0321

RECORD DRAWING

SCANNED BY RV ASON

970625

NOT PART OF CITY WORK ORDER

SUBDIVISION PLAT OF

LA CUEVA VILLAGE, UNIT 1

ALBUQUERQUE, NEW MEXICO

JULY, 1997

COUNTY CLERK FILING DATA

BOUNDARY TABLES

LINE	BEARING	DISTANCE
L1	S 00°08'52" W	30.00'
L2	S 89°39'10" E	100.87'
L3	S 00°08'53" W	112.33'
(L3)	(S 00°09'16" W)	(112.33')
L4	S 58°41'20" E	27.02'
L5	S 89°51'07" E	73.31'
(L5)	(S 89°50'44" E)	(73.20')
L6	S 00°08'53" W	70.49'
(L6)	(S 00°09'16" W)	(70.51')
L7	S 00°09'16" W	60.10'
L8	S 89°39'10" E	40.00'
L9	N 00°08'52" E	98.68'
L10	N 89°39'10" W	62.36'
L11	S 00°09'16" W	33.00'

LINE	BEARING	DISTANCE
L12	N 00°07'55" E	42.89'
L13	S 56°54'53" E	142.42'
L14	S 89°39'10" E	310.56'
L15	N 11°34'29" W	162.18'
L16	N 41°42'24" E	15.54'
L17	S 41°42'24" W	1.08'
L18	N 41°42'24" E	12.26'
L19	S 41°42'24" W	17.64'
L20	N 41°42'24" E	18.90'
L21	NOT USED	
L22	N 00°10'03" E	45.02'
L23	N 89°39'10" W	59.17'
L24	S 48°17'36" E	36.20'
L25	N 00°07'55" E	2.00'
L26	N 85°50'19" W	30.07'

CURVE	RADIUS	LENGTH	CHORD	BEARING	DELTA
C1	830.00'	169.25'	168.96'	N 84°30'20" E	11°41'01"
C2	45.00'	80.77'	70.36'	S 38°25'53" E	102°50'27"
(C2)	(45.00')	(80.73')	(70.33')	(S 38°27'11" E)	(102°47'07")
C3	30.00'	47.22'	42.50'	N 45°15'03" E	90°11'34"
C4	330.00'	60.34'	60.26'	N 59°47'40" W	10°28'37"
C5	1162.00'	664.03'	655.03'	S 73°17'09" E	32°44'31"
C6	1238.00'	11.43'	11.43'	S 57°10'45" E	00°31'44"
C7	330.00'	238.21'	233.07'	N 68°58'23" W	41°21'34"
C8	30.00'	47.01'	42.35'	N 44°45'38" W	89°47'04"
C9	1165.00'	193.72'	193.49'	N 70°14'50" W	09°31'38"
C10	1238.00'	134.21'	134.15'	N 68°11'23" W	06°12'41"
C11	30.00'	47.22'	42.50'	S 45°15'03" W	90°11'34"
C12	270.00'	194.90'	190.70'	N 68°58'23" W	41°21'34"
C13	30.00'	47.24'	42.51'	N 45°14'22" E	90°12'55"
C14	270.00'	194.90'	190.70'	S 68°58'23" E	41°21'34"
C15	330.00'	36.07'	36.05'	S 51°25'29" E	06°15'45"
C16	300.00'	216.56'	211.89'	S 68°58'23" E	41°21'34"
C17	300.00'	216.56'	211.89'	S 68°58'23" E	41°21'34"
C18	30.00'	47.23'	42.50'	N 45°14'15" E	90°12'41"
C19	1200.00'	685.75'	676.45'	S 73°17'09" E	32°44'31"
C20	1200.00'	685.66'	676.37'	S 73°17'02" E	32°44'17"
C21	100.00'	47.77'	47.32'	S 38°46'59" E	27°22'19"
(C21)	(100.00')	(47.84')	(47.39')	(S 38°47'59" E)	(27°24'38")
C22	1375.00'	129.89'	129.84'	S 86°09'40" E	05°24'45"
C23	1375.00'	263.24'	262.83'	S 77°58'13" E	10°58'08"
C24	1375.00'	184.55'	184.41'	S 68°38'27" E	07°41'25"
C25	75.00'	96.21'	89.75'	N 78°27'20" E	73°29'52"
C26	75.00'	130.81'	114.85'	N 08°15'32" W	99°55'52"
C27	300.00'	164.56'	162.50'	N 73°56'19" W	31°25'42"
C28	NOT USED				
C29	NOT USED				
C30	NOT USED				
C31	NOT USED				
C32	NOT USED				
C33	NOT USED				
C34	NOT USED				
C35	NOT USED				
C36	NOT USED				
C37	NOT USED				
C38	1238.00'	19.31'	19.31'	S 89°12'22" E	00°53'38"
C39	1352.00'	57.11'	57.10'	N 87°38'27" W	02°25'12"
C40	1238.00'	50.31'	50.31'	S 87°35'41" E	02°19'42"
C41	1352.00'	54.88'	54.88'	N 85°16'04" W	02°19'33"
C42	1238.00'	50.26'	50.25'	S 85°16'04" E	02°19'33"
C43	1352.00'	54.88'	54.88'	N 82°56'31" W	02°19'33"
C44	1238.00'	50.26'	50.25'	S 82°56'30" E	02°19'33"
C45	1352.00'	54.88'	54.88'	N 80°36'58" W	02°19'33"
C46	1238.00'	50.26'	50.25'	S 80°36'58" E	02°19'33"
C47	1352.00'	54.88'	54.88'	N 78°17'24" W	02°19'33"
C48	1238.00'	50.26'	50.25'	S 78°17'24" E	02°19'33"
C49	1352.00'	54.88'	54.88'	N 75°57'51" W	02°19'33"
C50	1238.00'	50.26'	50.25'	S 75°57'51" E	02°19'33"
C51	1352.00'	54.88'	54.88'	N 73°38'18" W	02°19'33"
C52	1238.00'	50.26'	50.25'	S 73°38'18" E	02°19'33"
C53	1352.00'	54.88'	54.88'	N 71°18'45" W	02°19'33"
C54	1238.00'	50.26'	50.25'	S 71°18'45" E	02°19'33"
C55	1352.00'	54.88'	54.88'	N 68°59'12" W	02°19'33"
C56	1238.00'	50.26'	50.25'	S 68°59'12" E	02°19'33"
C57	1352.00'	54.88'	54.88'	N 66°39'39" W	02°19'33"
C58	1238.00'	50.26'	50.25'	S 66°39'38" E	02°19'33"
C59	1352.00'	20.32'	20.32'	N 65°04'02" W	00°51'40"

CURVE	RADIUS	LENGTH	CHORD	BEARING	DELTA
C60	25.00'	20.86'	20.26'	N 40°44'15" W	47°47'55"
C61	45.00'	19.26'	19.12'	N 29°06'05" W	24°31'35"
C62	1238.00'	50.26'	50.25'	S 64°20'05" E	02°19'33"
C63	45.00'	37.20'	36.15'	N 65°02'59" W	47°22'15"
C64	1238.00'	103.48'	103.45'	S 60°46'38" E	04°47'21"
C65	45.00'	37.92'	36.81'	S 41°26'45" W	48°16'47"
C66	45.00'	17.52'	17.41'	S 06°09'08" W	22°18'27"
C67	25.00'	20.38'	19.82'	S 18°21'09" W	46°42'30"
C68	25.00'	20.38'	19.82'	S 65°03'38" W	46°42'29"
C69	45.00'	34.65'	33.80'	S 66°21'24" W	44°06'58"
C70	45.00'	29.57'	29.04'	S 25°28'30" W	37°38'52"
C71	45.00'	54.93'	51.58'	S 28°19'01" E	69°56'09"
C72	45.00'	25.20'	24.87'	S 79°19'34" E	32°04'56"
C73	25.00'	19.46'	18.97'	S 73°04'14" E	44°35'36"
C74	323.00'	8.99'	8.99'	S 51°34'17" E	01°35'44"
C75	323.00'	47.82'	47.78'	S 56°36'38" E	08°28'59"
C76	323.00'	18.90'	18.89'	S 87°58'37" E	03°21'07"
C77	25.00'	39.27'	35.36'	S 44°39'10" E	90°00'00"
C78	30.00'	47.12'	42.43'	S 45°20'50" W	90°00'00"
C79	25.00'	39.27'	35.36'	S 45°20'50" W	90°00'00"
C80	277.00'	32.35'	32.33'	N 86°18'26" W	06°41'28"
C81	277.00'	85.64'	85.30'	N 74°06'15" W	17°42'54"
C82	277.00'	33.95'	33.93'	N 61°44'08" W	07°01'20"
C83	52.00'	90.69'	79.63'	N 08°15'32" W	99°55'52"
C84	52.00'	66.70'	62.22'	N 78°27'20" E	73°29'52"
C85	1398.00'	21.29'	21.29'	S 65°13'55" E	00°52'21"
C86	1398.00'	50.60'	50.60'	S 66°42'18" E	02°04'26"
C87	1398.00'	50.95'	50.95'	S 68°47'10" E	02°05'18"
C88	1398.00'	29.87'	29.87'	S 70°26'32" E	01°13'27"
C89	25.00'	31.15'	29.18'	S 35°21'13" E	71°24'06"
C90	25.00'	45.62'	39.55'	N 52°37'46" E	104°33'52"
C91	1398.00'	76.38'	76.37'	S 76°39'11" E	03°07'49"
C92	30.00'	47.12'	42.43'	N 44°39'10" W	90°00'00"
C93	30.00'	47.12'	42.43'	S 45°20'50" W	90°00'00"
C94	1398.00'	85.37'	85.36'	S 79°58'05" E	03°29'56"
C95	25.00'	35.81'	32.82'	S 40°41'07" E	82°03'53"
C96	25.00'	41.04'	36.58'	N 47°22'16" E	94°02'53"
C97	1398.00'	80.00'	79.99'	S 87°14'39" E	03°16'43"
C98	30.00'	47.12'	42.43'	N 44°39'10" W	90°00'00"
C99	NOT USED				
C100	270.00'	33.47'	33.45'	N 51°50'43" W	07°06'12"
C101	323.00'	47.82'	47.78'	S 65°05'37" E	08°28'59"
C102	270.00'	66.83'	66.66'	N 62°29'16" W	14°10'55"
C103	323.00'	47.82'	47.78'	S 73°34'36" E	08°28'59"
C104	270.00'	66.82'	66.65'	N 76°40'05" W	14°10'44"
C105	323.00'	47.82'	47.78'	S 82°03'34" E	08°28'59"
C106	270.00'	27.78'	27.77'	N 86°42'19" W	05°53'43"
C107	NOT USED				
C108	NOT USED				
C109	1238.00'	20.29'	20.29'	N 57°54'47" W	00°56'20"
C110	1375.00'	55.68'	55.68'	S 63°38'08" E	02°19'13"
C111	270.00'	1.05'	1.05'	S 89°32'28" E	00°13'24"
C112	270.00'	178.07'	174.86'	S 70°32'09" E	37°47'15"
C113	270.00'	15.78'	15.78'	S 49°58'04" E	03°20'55"
C114	300.00'	52.00'	51.93'	S 53°15'32" E	09°55'52"
C115	1162.00'	374.51'	372.89'	N 68°21'19" W	18°27'58"
C116	1162.00'	244.76'	244.30'	N 83°37'21" W	12°04'06"
C117	1238.00'	176.52'	176.37'	N 60°59'58" W	08°10'09"
C118	1162.00'	44.77'	44.76'	N 58°01'06" W	02°12'26"
C119	1238.00'	110.16'	110.13'	N 73°50'42" W	05°05'55"
C120	1238.00'	286.48'	285.84'	N 83°01'24" W	13°15'31"

KEYED NOTES

Ⓐ FOUND REBAR W/CAP STAMPED "EHA PS 8478", TAGGED W/WASHER STAMPED "NMPS 11184"

Ⓑ FOUND REBAR W/CAP STAMPED "ALS LS 7719", TAGGED W/WASHER STAMPED "NMPS 11184"

Ⓒ FOUND REBAR W/CAP STAMPED "ALS LS 7719" (BENT), REPLACED W/#5 REBAR W/CAP STAMPED "NEW MEXICO PS 11184"

Ⓓ FOUND #5 REBAR (NO I.D.), TAGGED W/WASHER STAMPED "NMPS 11184"

Ⓔ FOUND C.O.A. ALUMINUM CENTERLINE MONUMENT STAMPED "LS 7719"

Ⓕ SET P.K. NAIL W/WASHER STAMPED "NMPS 11184" ON TOP OF WALL

Ⓖ SET MAG NAIL W/WASHER STAMPED "NMPS 11184" IN SOIL CEMENT

Ⓗ FOUND #5 REBAR (NO I.D.), REPLACED W/#5 REBAR W/CAP STAMPED "NEW MEXICO PS 11184"

① EXISTING FLOOD PLAIN EASEMENT GRANTED BY DOCUMENT FILED 12-11-1989, BK. MS817A, PGS. 265-275, DOC. #89104916

② EXISTING A.M.A.F.C.A. DRAINAGE EASEMENT GRANTED BY THE PLAT FILED FILED 05-12-1993, 93C-131

③ EXISTING 10' PUBLIC UTILITY EASEMENT GRANTED BY THE PLAT FILED FILED 05-12-1993, 93C-131

④ EXISTING 7' PUBLIC UTILITY EASEMENT GRANTED BY THE PLAT FILED FILED 05-12-1993, 93C-131

⑤ 10' PUBLIC UTILITY EASEMENT GRANTED BY THIS PLAT

⑥ 20' PUBLIC SANITARY SEWER EASEMENT GRANTED BY THIS PLAT

⑦ 10' PUBLIC NON-VEHICULAR ACCESS EASEMENT GRANTED BY THIS PLAT

⑧ EXISTING 5'x25' P.N.M. & M.S.T.&T. EASEMENT GRANTED BY DOCUMENT FILED 08-15-1978, BK. MISC. 631, PAGE 302, DOC. #78-60241

⑨ 15' PUBLIC UTILITY AND SIDEWALK EASEMENT GRANTED BY THIS PLAT

⑨A 10' PUBLIC UTILITY, SIDEWALK, WATER METER AND/OR WATERLINE SERVICES EASEMENT GRANTED BY THIS PLAT

⑩ EXISTING FLOOD PLAIN EASEMENT GRANTED BY DOCUMENT FILED 12-11-1989, BK. MS817A, PGS. 265-275, DOC. #89104916 VACATED BY V-97-46

⑪ EXISTING 5' P.N.M. & M.S.T.&T. EASEMENT GRANTED BY DOCUMENT FILED 03-16-1982, BK. MISC. 916, PAGE 922, DOC. #82-13873, VACATED BY V-97-46

JEFF MORTENSEN & ASSOCIATES, INC.
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☐ ALBUQUERQUE ☐ NEW MEXICO 87109
☐ ENGINEERS ☐ SURVEYORS (505) 345-4250

JOB #940955

SHEET 4 OF 8

SP #97-07-10-10:35-0321

SUBDIVISION PLAT OF

LA CUEVA VILLAGE, UNIT 1

ALBUQUERQUE, NEW MEXICO

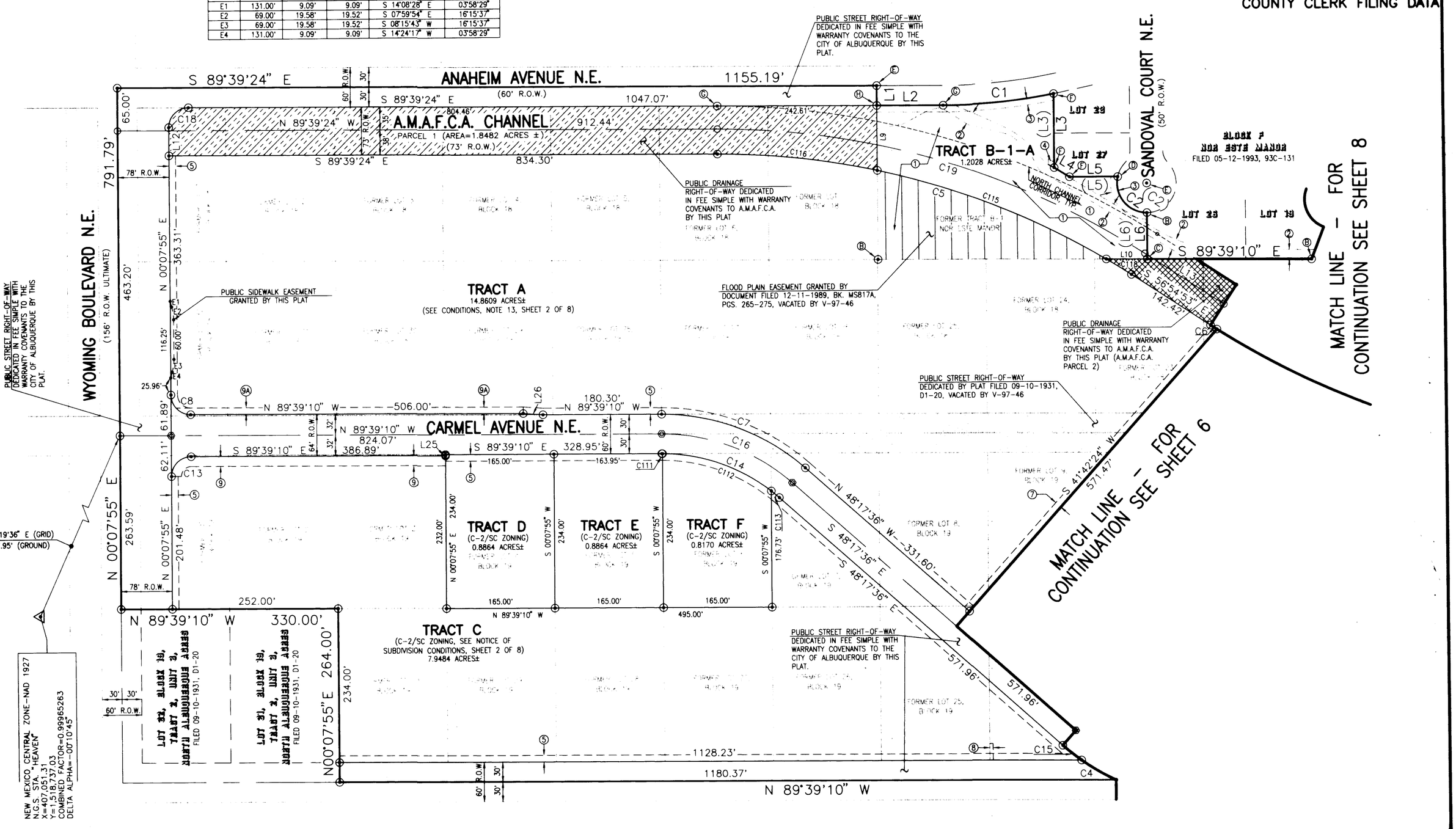
JULY, 1997

SCALE: 1" = 100'

COUNTY CLERK FILING DATA

EASEMENT TABLE

CURVE	RADIUS	LENGTH	CHORD	BEARING	DELTA
E1	131.00'	9.09'	9.09'	S 14°08'28" E	03°58'29"
E2	69.00'	19.58'	19.52'	S 07°59'54" E	16°15'37"
E3	69.00'	19.58'	19.52'	S 08°15'43" W	16°15'37"
E4	131.00'	9.09'	9.09'	S 14°24'17" W	03°58'29"



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SHEET 5 OF 8

SP #97-07-10-10:35-0321

SUBDIVISION PLAT OF

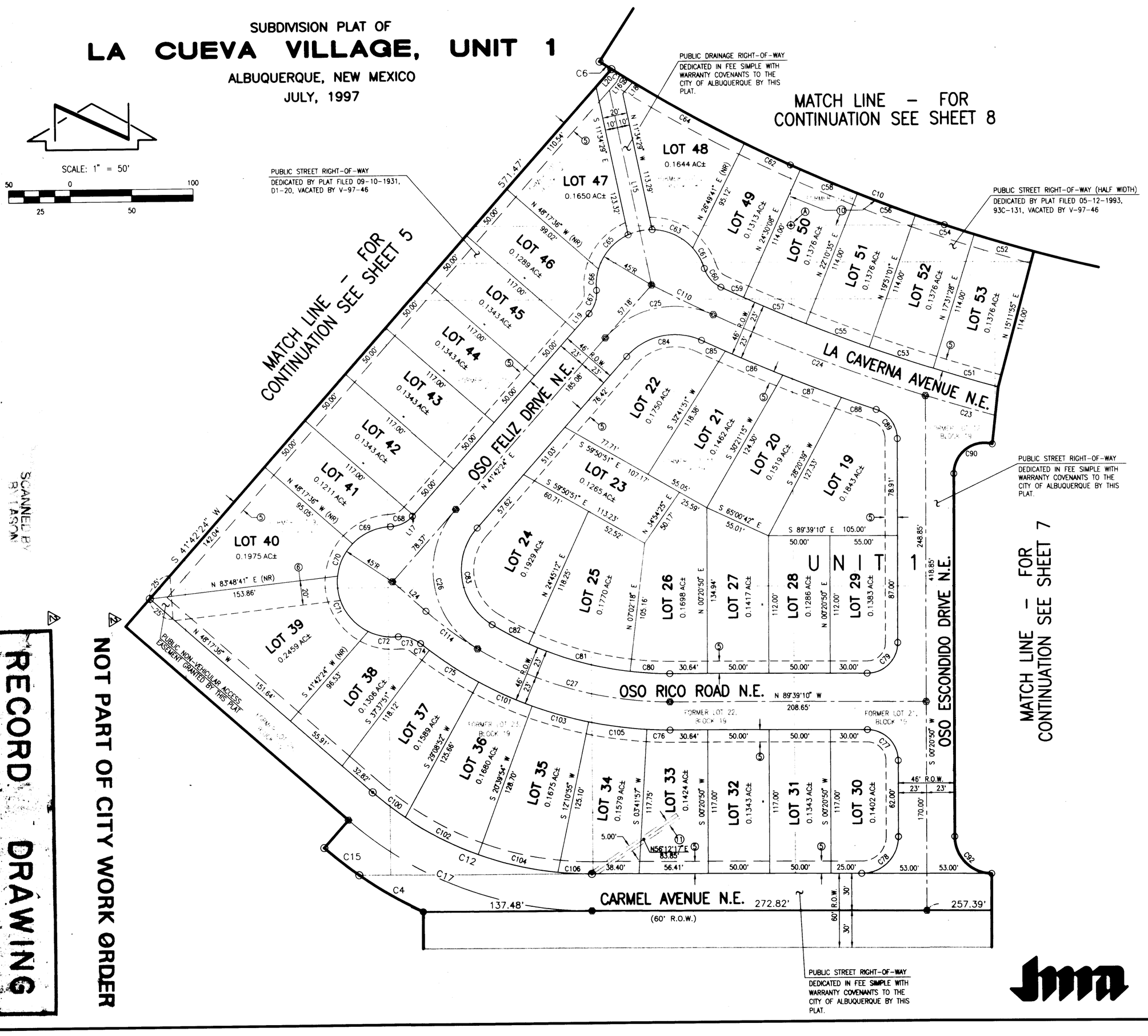
LA CUEVA VILLAGE, UNIT 1

ALBUQUERQUE, NEW MEXICO

JULY, 1997

SCALE: 1" = 50'

COUNTY CLERK FILING DATA



NOT PART OF CITY WORK ORDER

RECORD DRAWING

970625

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JOB #940955

SHEET 6 OF 8

SP #97-07-10-10:35-0321

SUBDIVISION PLAT OF

LA CUEVA VILLAGE, UNIT 1

ALBUQUERQUE, NEW MEXICO

JULY, 1997

COUNTY CLERK FILING DATA

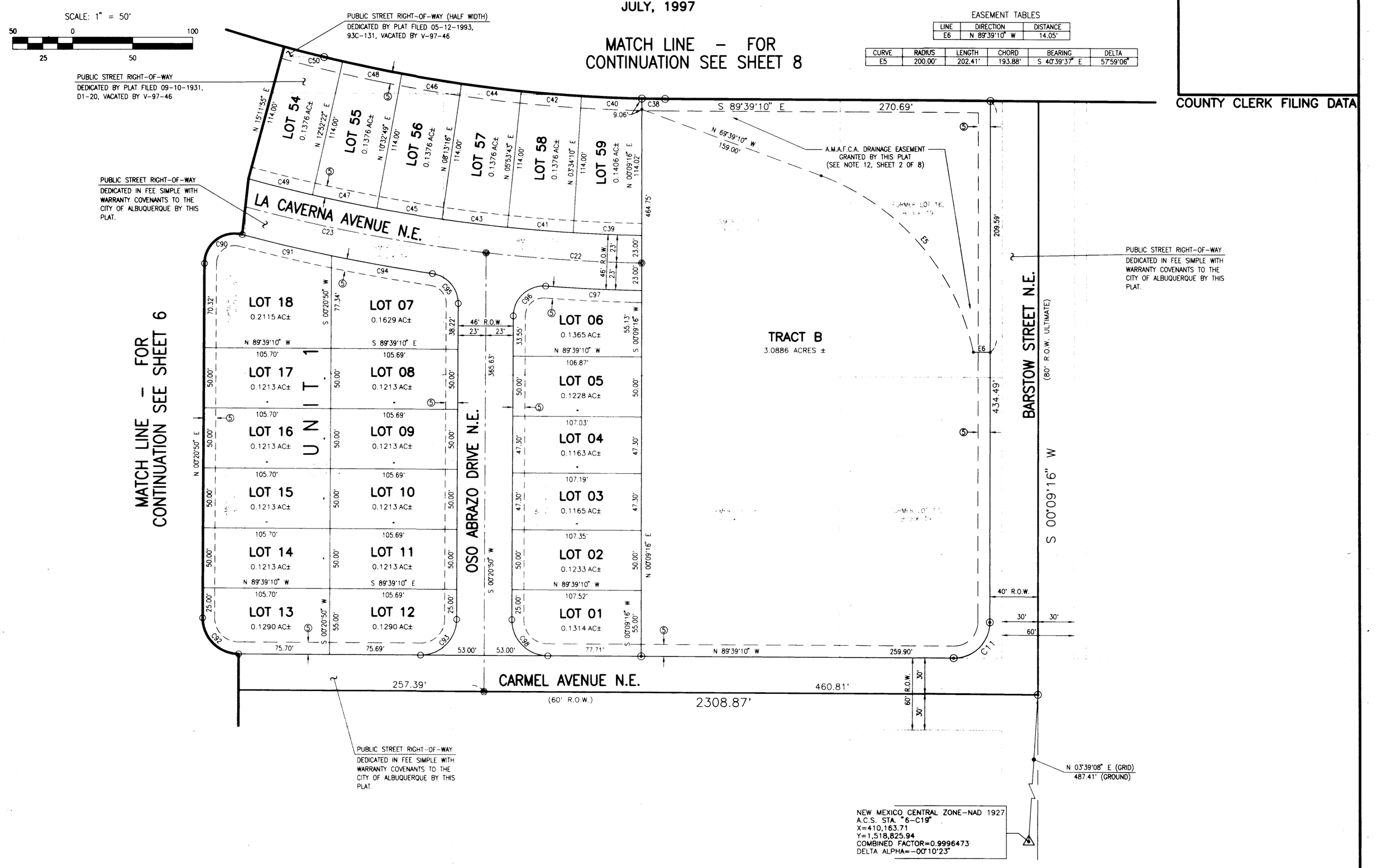
SCALE: 1" = 50'

MATCH LINE – FOR CONTINUATION SEE SHEET 8

EASEMENT TABLES

LINE	DIRECTION	DISTANCE
E6	N 89°39'10" W	14.05'

CURVE	RADIUS	LENGTH	CHORD	BEARING	DELTA
E5	200.00'	202.41'	193.88'	S 40°39'37" E	57°59'06"



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JOB #940955

SHEET 7 OF 8

SP #97-07-10-10:35-0321

SUBDIVISION PLAT OF

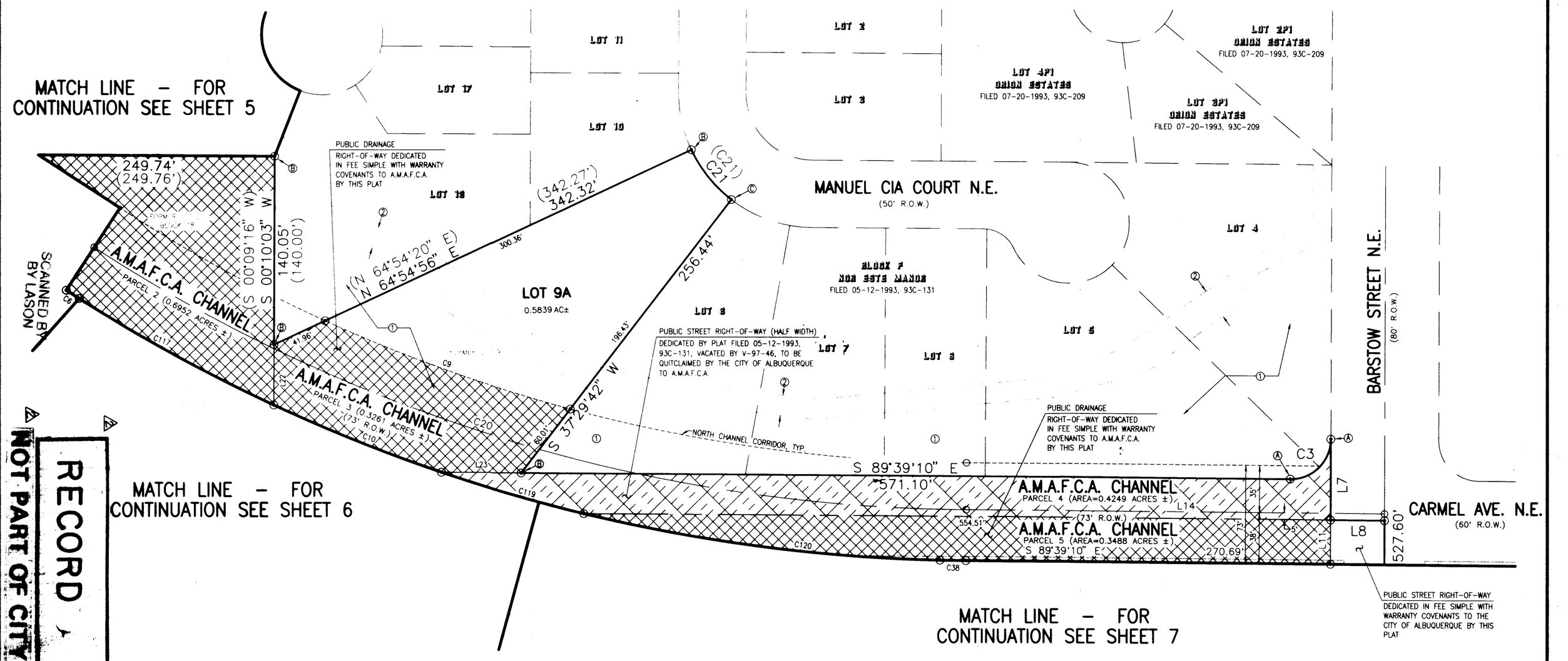
LA CUEVA VILLAGE, UNIT 1

ALBUQUERQUE, NEW MEXICO

JULY, 1997

COUNTY CLERK FILING DATA

SCALE: 1" = 50'



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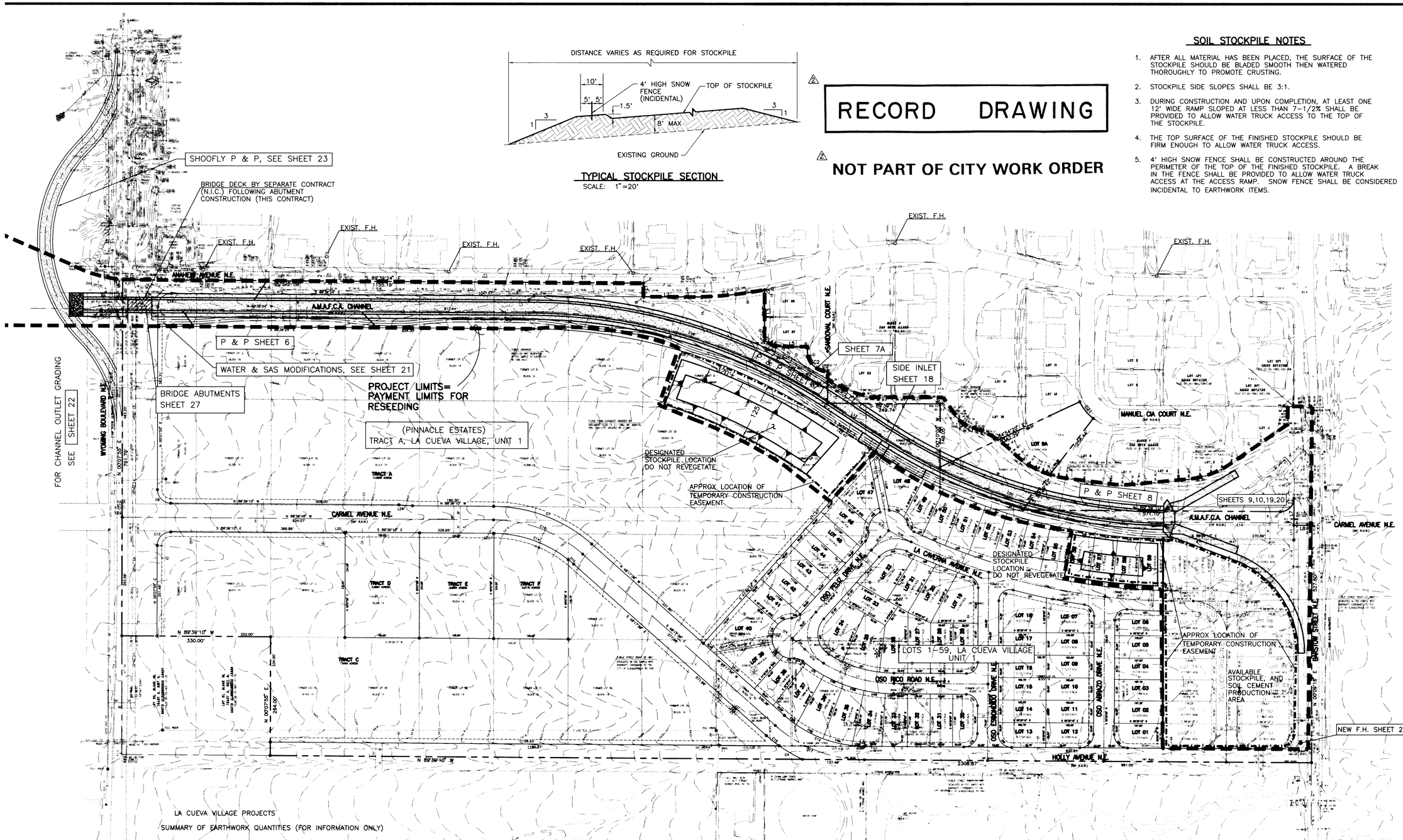
SHEET 8 OF 8

RECORD DRAWING
NOT PART OF CITY WORK ORDER
970625
PROJECT NUMBER 572982 SHEET 1 OF 2



TYPICAL STOCKPILE SECTION

SCALE: 1"=20'

RECORD DRAWING

NOT PART OF CITY WORK ORDER

SOIL STOCKPILE NOTES

1. AFTER ALL MATERIAL HAS BEEN PLACED, THE SURFACE OF THE STOCKPILE SHOULD BE BLADED SMOOTH THEN WATERED THOROUGHLY TO PROMOTE CRUSTING.
2. STOCKPILE SIDE SLOPES SHALL BE 3:1.
3. DURING CONSTRUCTION AND UPON COMPLETION, AT LEAST ONE 12' WIDE RAMP SLOPED AT LESS THAN 7-1/2% SHALL BE PROVIDED TO ALLOW WATER TRUCK ACCESS TO THE TOP OF THE STOCKPILE.
4. THE TOP SURFACE OF THE FINISHED STOCKPILE SHOULD BE FIRM ENOUGH TO ALLOW WATER TRUCK ACCESS.
5. 4' HIGH SNOW FENCE SHALL BE CONSTRUCTED AROUND THE PERIMETER OF THE TOP OF THE FINISHED STOCKPILE. A BREAK IN THE FENCE SHALL BE PROVIDED TO ALLOW WATER TRUCK ACCESS AT THE ACCESS RAMP. SNOW FENCE SHALL BE CONSIDERED INCIDENTAL TO EARTHWORK ITEMS.

LA CUEVA VILLAGE PROJECTS

SUMMARY OF EARTHWORK QUANTITIES (FOR INFORMATION ONLY)

- Outlet Grading for Channel (2,490 cy strippings)
  - Volume of Cut (cy) (after stripping) 17,900
  - Volume of Fill (cy) 1,500
  - Volume of Available Material (cy) 16,400
- Channel Project (3,460 cy strippings)
  - Volume of Cut (cy) (after stripping) 35,500
  - Volume of Fill (cy) 4,200
  - Volume of Available Material (cy) 31,300
- Pinnacle Estates Apartments (Separate Contract)
  - Volume of Cut (cy) 15,000
  - Volume of Fill (cy) 23,200
  - Volume of Required Material (cy) 8,200
- La Cueva Village Units 1 and 2 (Separate Contract)
  - Volume of Cut (cy) 26,200
  - Volume of Fill (cy) 32,500
  - Volume of Required Material (cy) 6,300
- Stockpile for Soil Cement
  - Bank Volume of Required Material (cy) 17,000
  - Adjusted Volume of Required Material (cy) 25,500
- Wyoming/Carmel Construction (Separate Contract)
  - Volume of Required Material (cy) 6,000
- SUMMARY
  - Total Available Material:
    - Outlet Grading 16,400 CY
    - Channel Project 31,300 CY
    - Total 47,700 CY
  - Total Required Material:
    - Pinnacle Estates 8,200 CY
    - La Cueva Village Units 1 & 2 6,300 CY
    - Soil Cement Stockpile 25,500 CY
    - Wyoming/Carmel 6,000 CY
    - Total 46,000 CY
  - Net Site Calculations: 1,700 CY (Excess)

- Criteria
  - Existing terrain models lowered 4" for stripping
  - Stripped material not included in analysis
  - Shrink factor of 25% applied to fill volumes
  - No allowances made for consolidation, compaction, prewetting, or overexcavation of stripped site

EXISTING GRADES USED FOR THE CHANNEL PROJECT, PINNACLE ESTATES APARTMENTS, AND LA CUEVA VILLAGE UNITS 1 AND 2 WERE TAKEN FROM THE TOPOGRAPHIC SURVEY PREPARED BY JEFF MORTENSEN & ASSOCIATES, INC. DATED 10/94 AND SUPPLEMENTED 10/96 AND 03/97. THE EXISTING GRADES FOR THE CHANNEL OUTLET WERE TAKEN FROM THE TOPOGRAPHIC SURVEY PREPARED BY RESOURCE TECHNOLOGY AND KOOGLE & POULS ENGINEERING DATED 5/90. THE PROPOSED GRADES FOR THIS ANALYSIS WERE TAKEN FROM THE MOST CURRENT GRADING PLANS PREPARED BY THIS OFFICE FOR ALL PORTIONS OF THE PROJECT. THE RESULTS OF THIS ANALYSIS REFLECT CONDITIONS PRESENTED ON THE DRAWINGS AT THE DATES SET FORTH ABOVE AND MAY OR MAY NOT REFLECT ACTUAL FIELD CONDITIONS NOW. IT SHOULD BE REALIZED AT ALL TIMES THAT THESE ARE ESTIMATED QUANTITIES.

SCALE: 1" = 100'

100 0 200
50 100

CONSTRUCTION LIMITS= PAYMENT LIMITS FOR RESEEDING EXCEPT WHEN NOTED OTHERWISE

TEMPORARY CONSTRUCTION EASEMENT

940951

NOTE: PAYMENT FOR EARTHWORK IS BASED UPON ACTUAL AMOUNT OF EXCAVATED MATERIAL. SEE SPECIFICATIONS SECTIONS 105 AND 203 CONCERNING SURVEYING AND MEASUREMENT FOR EARTHWORK QUANTITIES.

AS BUILT INFORMATION

		DATE
CONTRACTOR		
WORK 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

CITY OF ALBUQUERQUE BENCH MARK "HEAVEN", A STANDARD USC AND GS BRASS TABLET STAMPED "HEAVEN 1969", SET IN TOP OF A CONCRETE POST FLUSH WITH THE GROUND LOCATED AT THE ENTRANCE TO THE "GATE OF HEAVEN" CEMETERY 0.15 MILES WEST OF THE INTERSECTION OF PASEO DEL NORTE N.E. AND WYOMING BOULEVARD N.E. STATION IS ON THE SOUTH SIDE OF PASEO DEL NORTE.
ELEVATION = 5378.78 FEET (M.S.L.D.)

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
940951	JMA	10/94
940953	JMA	8/96

ENGINEER'S SEAL

NEW MEXICO 8547 JEFFREY G. MORTENSEN REGISTERED PROFESSIONAL ENGINEER

08-13-97

NO.	DATE	REMARKS	BY
1	01/96	RECORD DRAWING	G.T.

Revisions

DESIGN

		Date
Designed By	G.M.	04-97
Drawn By	D.L.M.	04-97
Checked By	J.G.M.	08-97

JEFF MORTENSEN & ASSOCIATES, INC.
6010-B MIDWAY PARK BLVD. N.E.
ALBUQUERQUE NEW MEXICO 87109
ENGINEERS SURVEYORS (505) 345-4250

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: NORTH DOMINGO BACA ARROYO WINDOW G SOIL CEMENT CHANNEL SITE PLAN, STOCKPILE NOTES AND SECTION

Design Review Committee: SEP - 8 1997

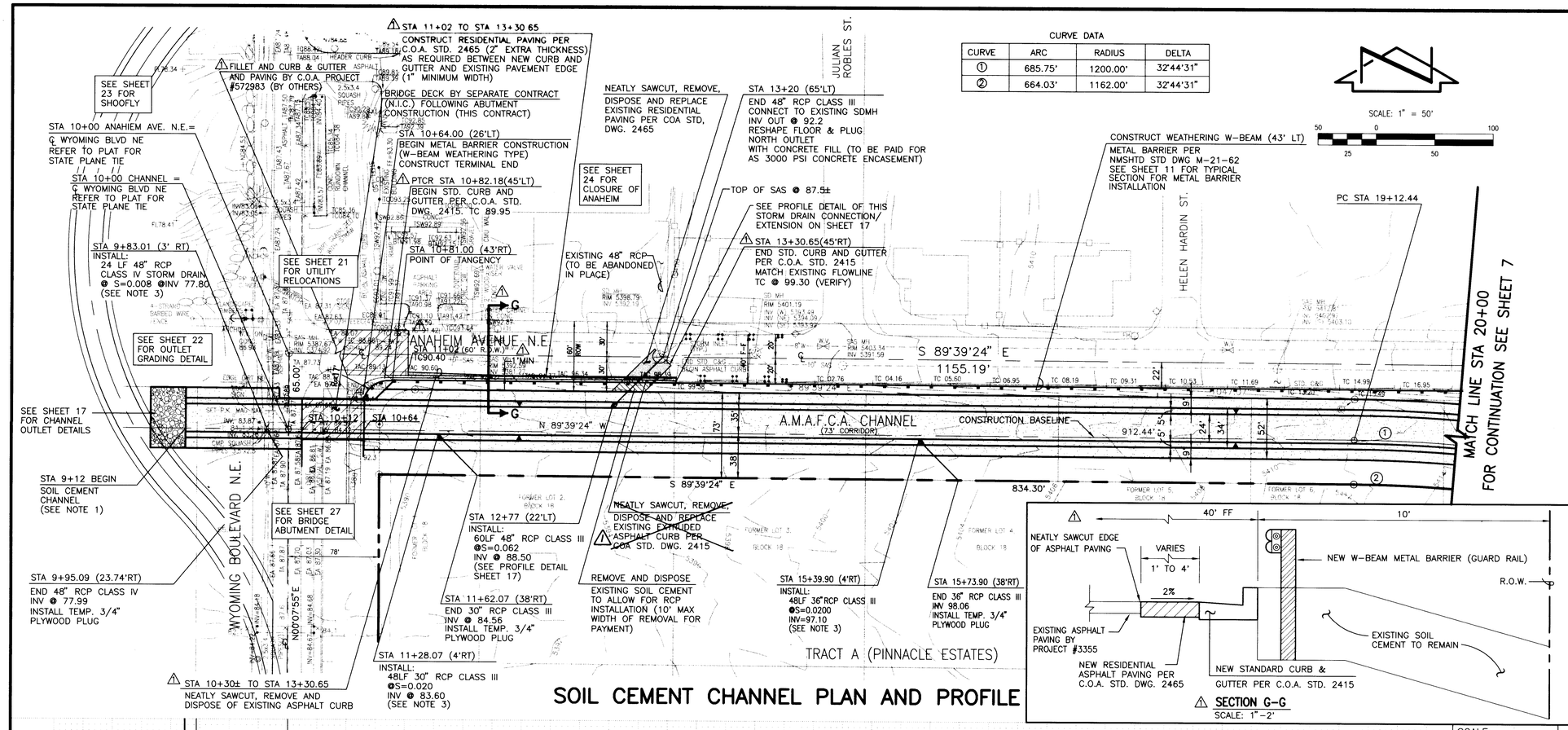
City Engineer Approval

Last Design Update

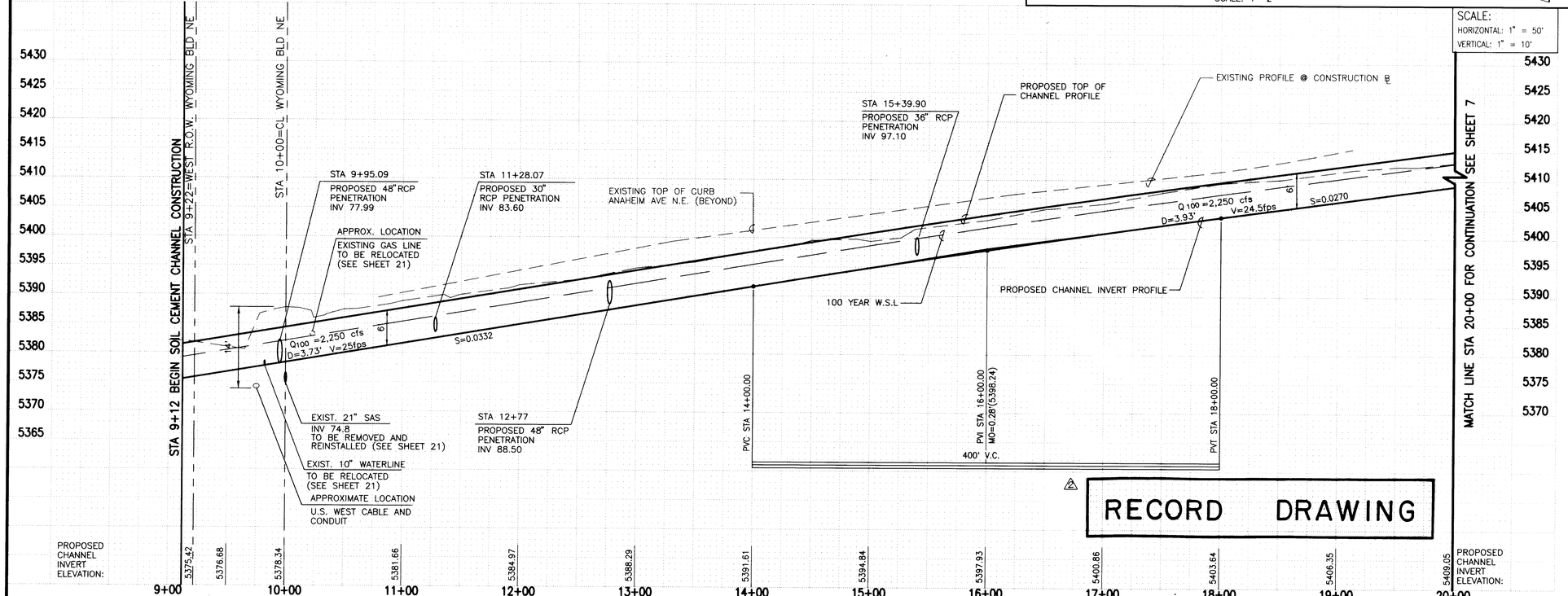
Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 572982 | Zone Map No. C-19 | Sheet 5 Of 27

970625



SOIL CEMENT CHANNEL PLAN AND PROFILE



RECORD DRAWING

CHANNEL CONSTRUCTION NOTES

1. ALL STATIONING SHOWN HEREON IS BASED UPON CONSTRUCTION BASELINE UNLESS OTHERWISE INDICATED. REFER TO PLAT FOR STATE PLANE TIE.
2. CHANNEL CONSTRUCTION SHOWN HEREON IS IN ACCORDANCE WITH TYPICAL CHANNEL SECTIONS. SHEET 11, UNLESS OTHERWISE INDICATED.
3. PIPE PENETRATIONS SHALL BE CONSTRUCTED PER PIPE PENETRATION DETAILS, SHEET 17.

AS BUILT INFORMATION

CONTRACTOR | DATE
WORK STAKED BY | DATE
INSPECTOR'S NOTES BY | DATE
FIELD INSPECTION BY | DATE
DRAWINGS CORRECTED BY | DATE

MICRO-FILM INFORMATION

RECORDED BY | DATE
NO.

BENCH MARKS

CITY OF ALBUQUERQUE BENCH MARK "HEAVEN", A STANDARD USC AND GS BRASS TABLET STAMPED "HEAVEN 1969", SET IN TOP OF A CONCRETE POST FLUSH WITH THE GROUND LOCATED AT THE ENTRANCE TO THE "GATE OF HEAVEN" CEMETERY 0.15 MILES WEST OF THE INTERSECTION OF PASEO DEL NORTE N.E. AND WYOMING BOULEVARD N.E. STATION IS ON THE SOUTH SIDE OF PASEO DEL NORTE.
ELEVATION = 5378.78 FEET (M.S.L.D.)

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
940953	JMA	8/96

ENGINEER'S SEAL

NEW MEXICO REGISTERED PROFESSIONAL ENGINEER JEFFREY G. MORTENSEN 8547

08-13-97 01-12-98

RECORD DRAWING

NO.	DATE	REMARKS	BY
1	01/98	ADD CURB & GUTTER AND PAVING TO SOUTH SIDE OF ANAHEIM BETWEEN JULIAN ROBLES AND WYOMING, ADD SECTION G-G	G.M.

Revisions

DESIGN

Designed By G.M Date 04-97
Drawn By D.L.M. Date 04-97
Checked By J.G.M. Date 08-97

JEFF MORTENSEN & ASSOCIATES, INC.
6010-B MIDWAY PARK BLVD. N.E.
ALBUQUERQUE NEW MEXICO 87109
ENGINEERS SURVEYORS (505) 345-4250

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: NORTH DOMINGO BACA ARROYO
WINDOW G SOIL CEMENT CHANNEL
CHANNEL PLAN AND PROFILE STA 9+00 TO STA 20+00

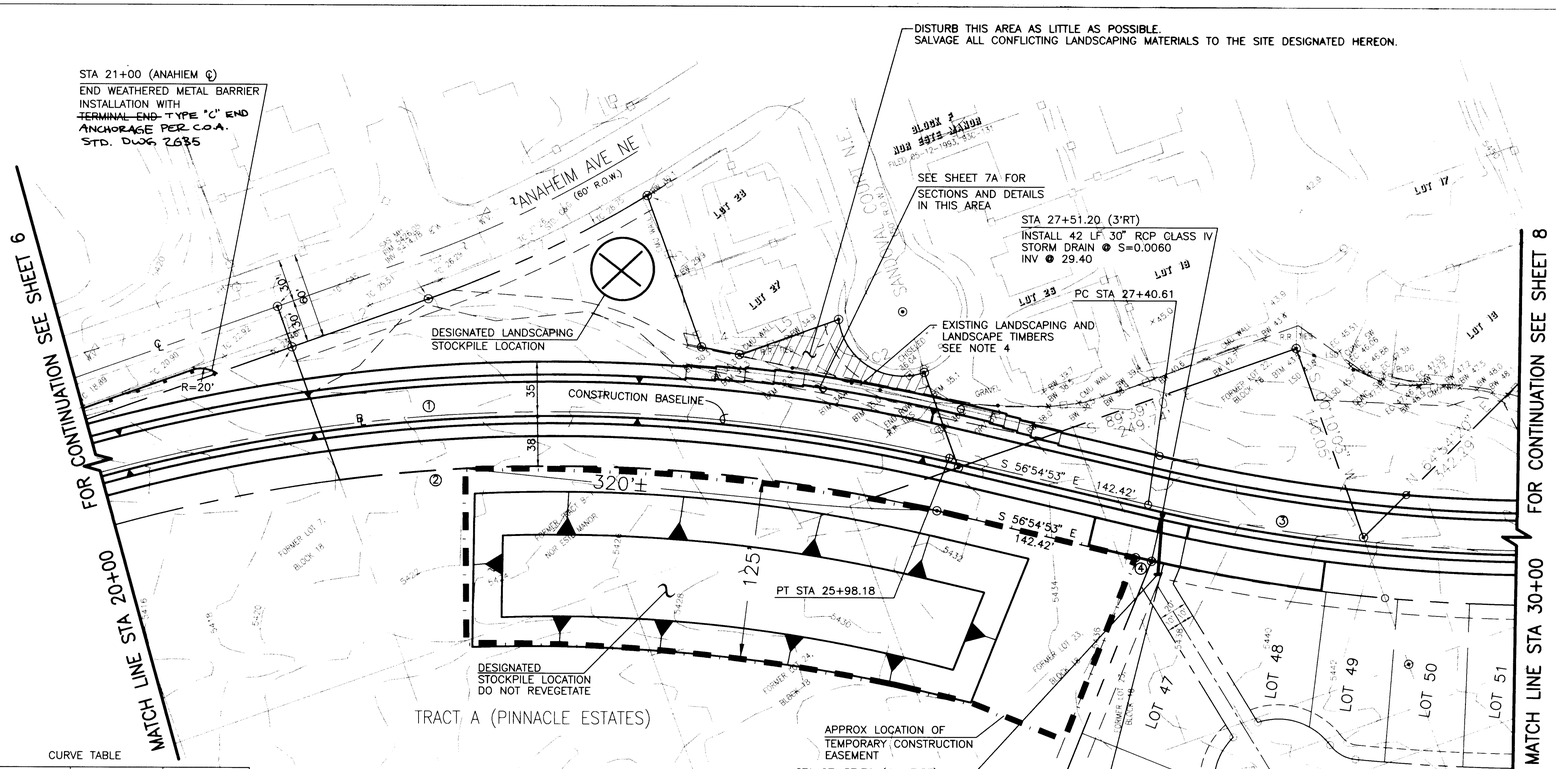
Design Review Committee | City Engineer Approval | Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

1/13/98

City Project No. 572982 | Zone Map No. C-19 | Sheet 6 Of 27

970625

C:\DATA\ACADWG\940951\940951P3 Fri Jan 9 14:43:04 1998 -DLM



SCALE: 1" = 50'

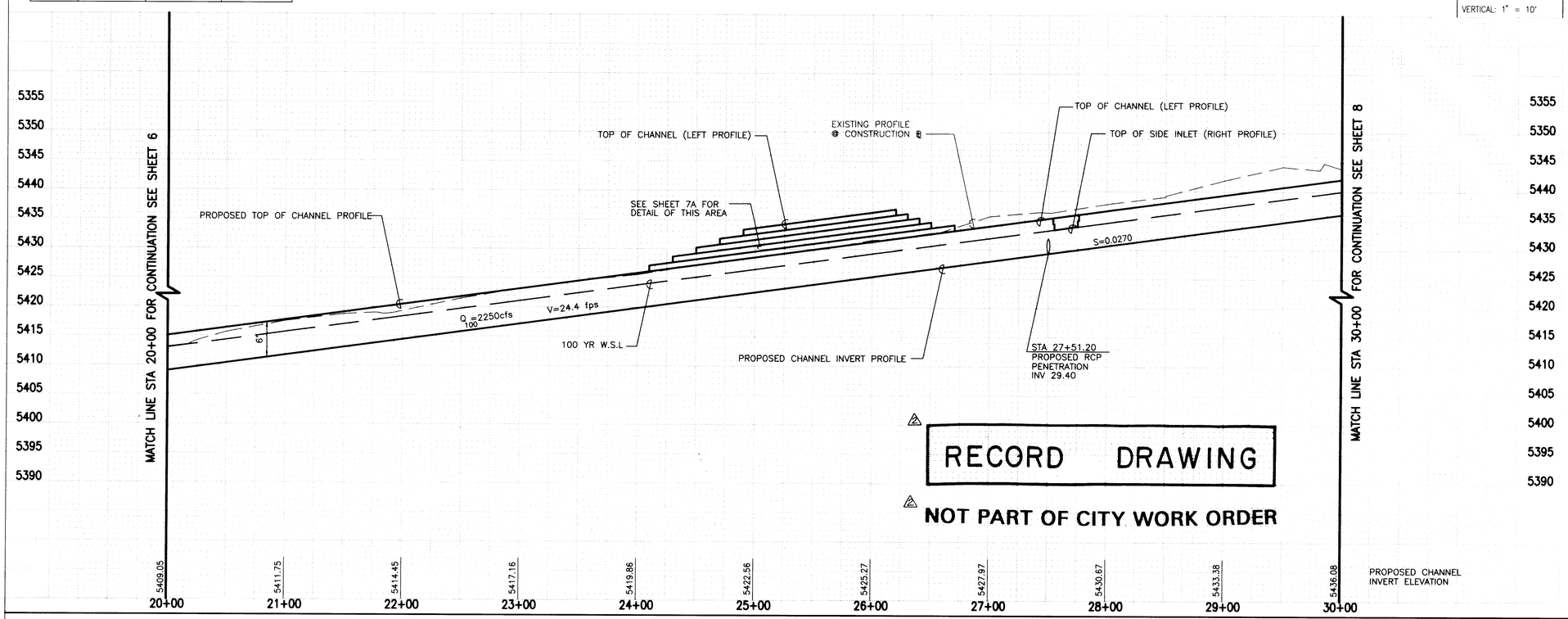
50 0 100
25 50

CURVE TABLE

CURVE	LEGNTH	RADIUS	DELTA
①	685.75'	1200.00'	32°44'31"
②	664.03'	1162.00'	32°44'31"
③	685.66'	1200.00'	32°44'17"
④	11.43	1238.00	00°31'44"

SOIL CEMENT CHANNEL PLAN AND PROFILE

SCALE:
HORIZONTAL: 1" = 50'
VERTICAL: 1" = 10'



RECORD DRAWING

NOT PART OF CITY WORK ORDER

940951

CHANNEL CONSTRUCTION NOTES

1. ALL STATIONING SHOWN HEREON IS BASED UPON CONSTRUCTION BASELINE UNLESS OTHERWISE INDICATED. REFER TO PLAT FOR STATE PLANE TIE.
2. CHANNEL CONSTRUCTION SHOWN HEREON IS IN ACCORDANCE WITH TYPICAL CHANNEL SECTIONS. SHEET 11, UNLESS OTHERWISE INDICATED.
3. PIPE PENETRATIONS SHALL BE CONSTRUCTED PER PIPE PENETRATION DETAILS, SHEET 17.
4. CONTRACTOR SHALL CAREFULLY REMOVE AND NEATLY STORE CONFLICTING RAILROAD TIES AND LANDSCAPING IMPROVEMENTS WITHIN THIS AREA. THIS WILL BE CONSIDERED INCIDENTIAL TO CONSTRUCTION, THEREFORE, NO SEPARATE PAYMENT SHALL BE MADE. REFER TO SHEET 7A FOR MORE INFORMATION CONCERNING CONSTRUCTION IN THIS AREA
5. LOTS 45–50 OF LA CUEVA VILLAGE ARE ENCUMBERED BY A TEMPORARY STORM DRAINAGE EASEMENT FOR SEDIMENT AND EROSION CONTROL PURPOSES. TEMPORARY SEDIMENT AND EROSION CONTROL POND TO BE BUILT BY SEPARATE CONTRACT (N.I.C.)

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
940953	JMA	8/96
940951	JMA	10/94

BENCH MARKS

CITY OF ALBUQUERQUE BENCH MARK "HEAVEN" A STANDARD USC AND GS BRASS TABLET STAMPED "HEAVEN 1969", SET IN TOP OF A CONCRETE POST FLUSH WITH THE GROUND LOCATED AT THE ENTRANCE TO THE "GATE OF HEAVEN" CEMETERY 0.15 MILES WEST OF THE INTERSECTION OF PASEO DEL NORTE N.E. AND WYOMING BOULEVARD N.E. STATION IS ON THE SOUTH SIDE OF PASEO DEL NORTE.
ELEVATION = 5378.78 FEET (M.S.L.D.)

AS BUILT INFORMATION

CONTRACTOR — DATE
WORK 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

JEFFREY A. MORTENSEN NEW MEXICO 8547 REGISTERED PROFESSIONAL ENGINEER
08/13/97

RECORD DRAWING

NO.	DATE	REMARKS	BY
1	01/98		G.M.

Revisions

DESIGN

		Date
Designed By	G.M.	04-97
Drawn By	D.L.M.	04-97
Checked By	J.G.M.	08-97

JEFF MORTENSEN & ASSOCIATES, INC.
6010-B MIDWAY PARK BLVD N.E.
ALBUQUERQUE NEW MEXICO 87109
ENGINEERS SURVEYORS (505) 345-4250

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

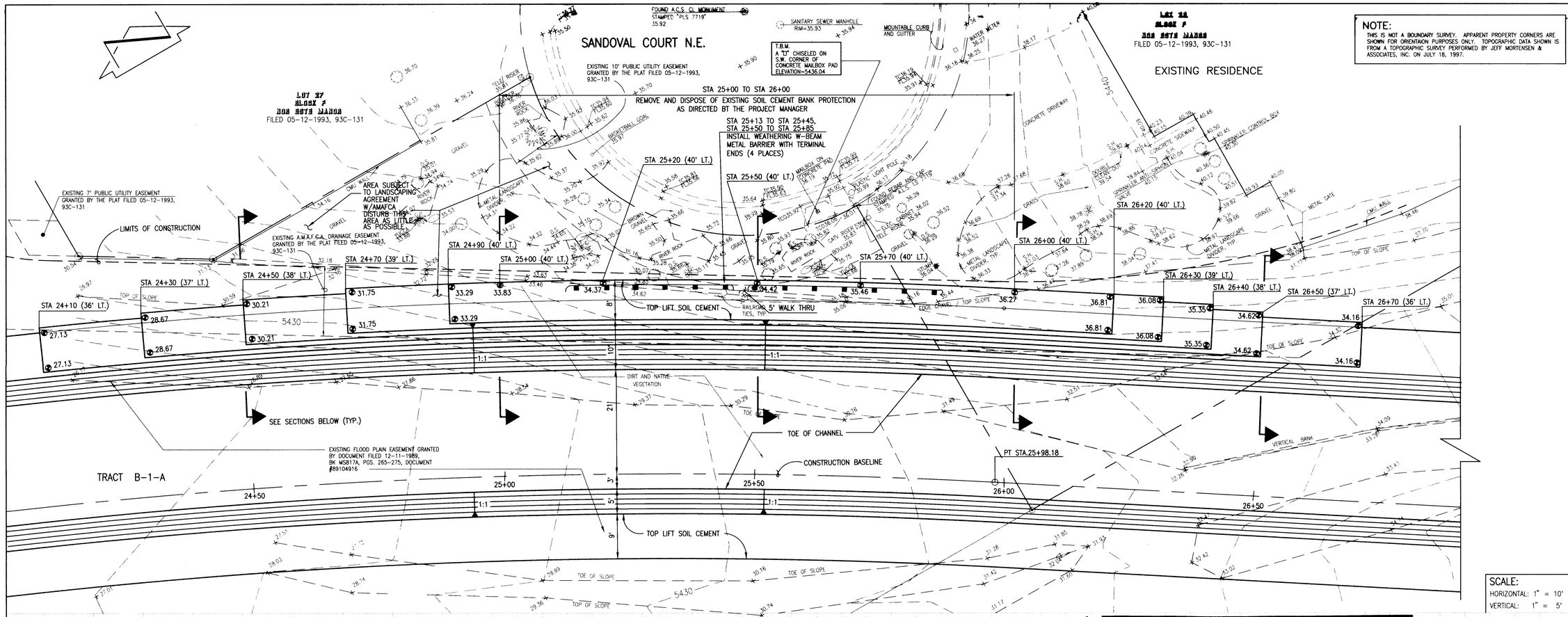
TITLE: NORTH DOMINGO BACA ARROYO
WINDOW G SOIL CEMENT CHANNEL
CHANNEL PLAN AND PROFILE STA 20+00 TO STA 30+00

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

City Project No. 572982 | Zone Map No. C-19 | Sheet 7 Of 27

970625

C:\DATA\ACADDNG\940951\940951P4 Wed Aug 13 15:58:06 1997 -JYR



SCALE:
HORIZONTAL: 1" = 10'
VERTICAL: 1" = 5'

AS BUILT INFORMATION

CONTRACTOR
WORK STAKED BY
INSPECTORS FIELD TOLERANCE BY
VERIFICATION BY
CORRECTIONS CORRECTED BY
DATE

MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

BENCH MARKS

CITY OF ALBUQUERQUE BENCH MARK "HEAVEN", S STANDARD USC AND GS BRASS TABLET STAMPED "HEAVEN 1969", SET IN TOP OF A CONCRETE POST FLUSH WITH THE GROUND LOCATED AT THE ENTRANCE TO THE "GATE OF HEAVEN" CEMETERY 0.15 MILES WEST OF THE INTERSECTION OF PASEO DEL NORTE N.E. AND WYOMING BOULEVARD N.E. STATION IS ON THE SOUTH SIDE OF PASEO DEL NORTE.
ELEVATION = 5378.78 FEET (M.S.L.D.)

SURVEY INFORMATION

FIELD NOTES		
NO.	BY	DATE
9401951	JMA	07-97

ENGINEER'S SEAL
JEFFREY G. MORTENSEN
NEW MEXICO
8547
REGISTERED PROFESSIONAL ENGINEER
08.12.97

G.M.

NO.	DATE	REMARKS
		Revisions
		DESIGN

	BY	Date
Designed By	G.M.	07-97
Drawn By	S.G.H.	07-97
Checked By	J.G.M.	08-97

01/98 RECORD DRAWING

JEFF MORTENSEN & ASSOCIATES, INC.
6010-B MIDWAY PARK BLVD. N.E.
ALBUQUERQUE NEW MEXICO 87109
ENGINEERS SURVEYORS (505) 345-4250

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

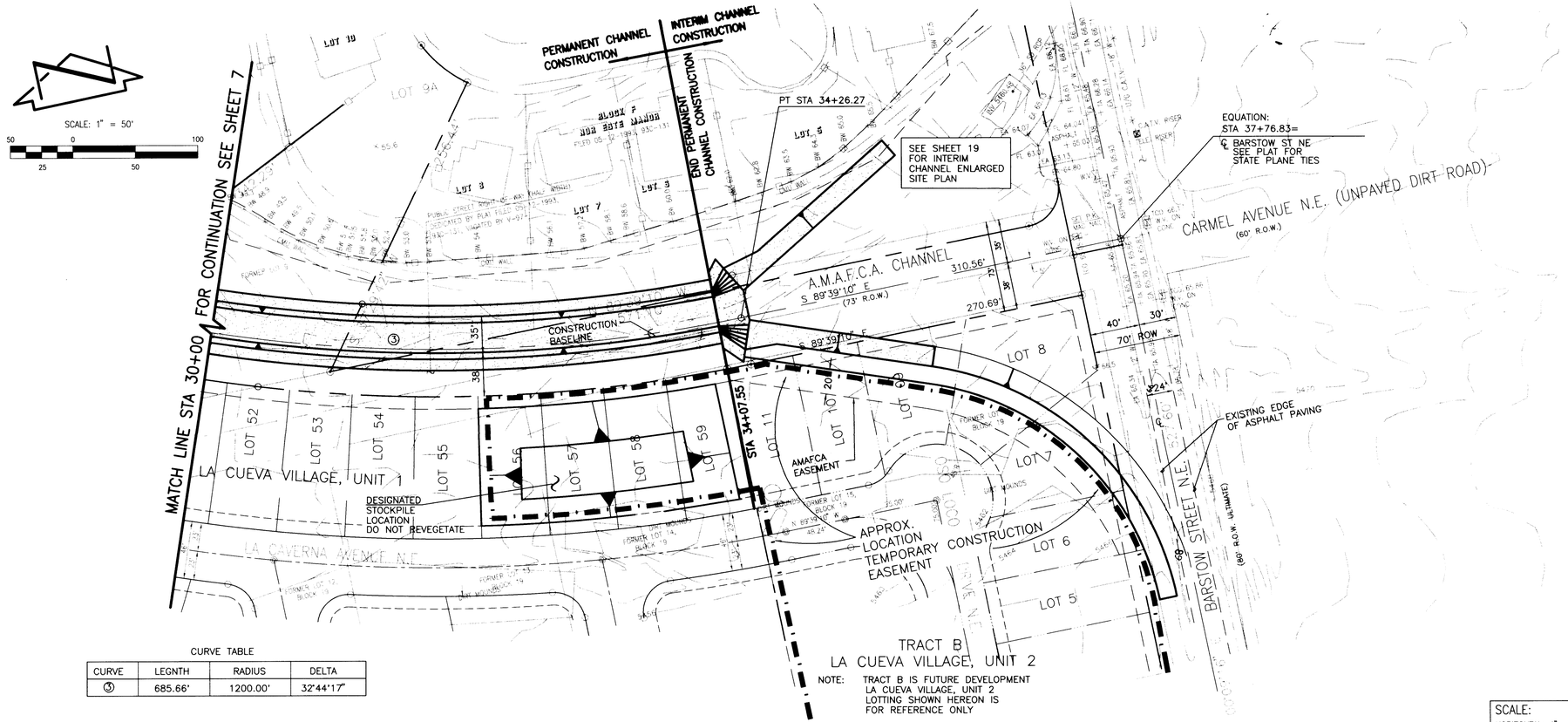
TITLE: NORTH DOMINGO BACA ARROYO
WINDOW G SOIL CEMENT CHANNEL
SANDOVAL CT. PLAN AND PROFILE, SECTIONS AND DETAILS

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

SEP - 8 1997
DESIGN REVIEW COMMITTEE

City Project No. 572982 | Zone Map No. C-19 | Sheet 7A Of 27

970625



CURVE TABLE

CURVE	LEGNTH	RADIUS	DELTA
③	685.66'	1200.00'	32°44'17"

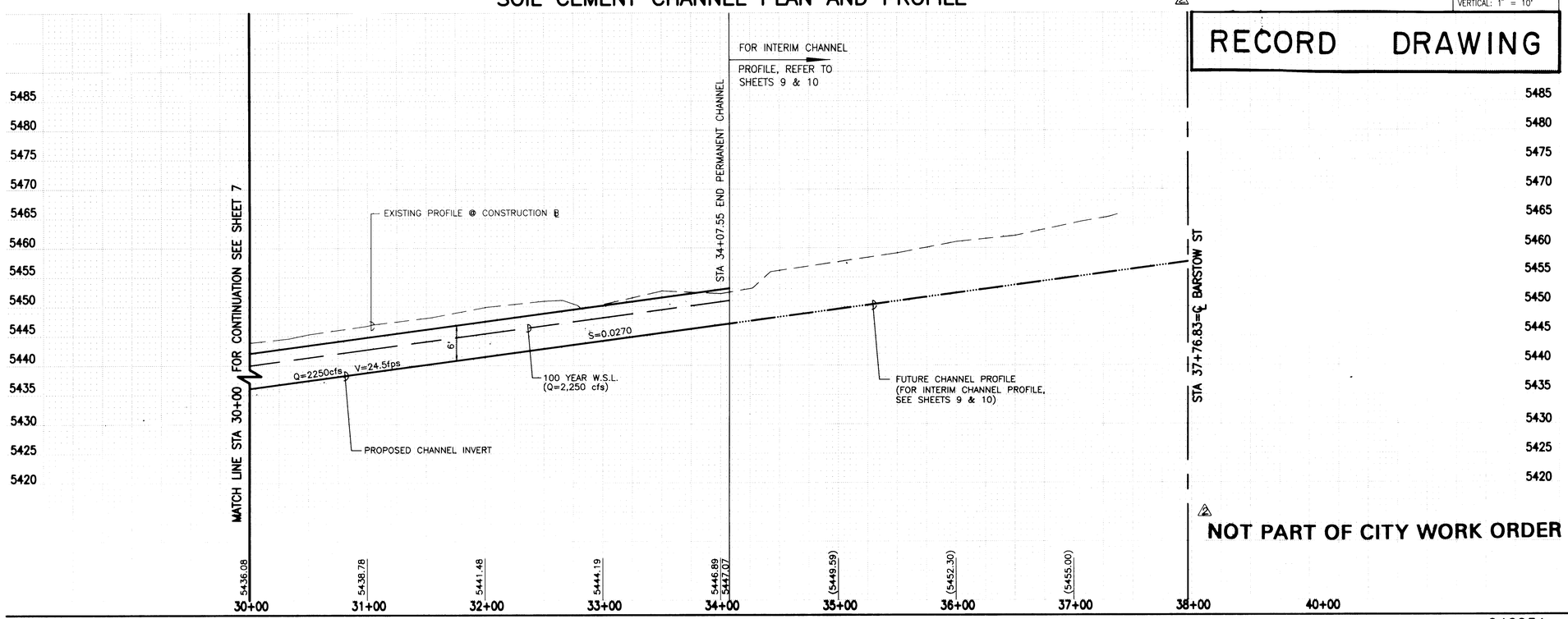
CHANNEL CONSTRUCTION NOTES

1. ALL STATIONING SHOWN HEREON IS BASED UPON CONSTRUCTION BASELINE UNLESS OTHERWISE INDICATED. REFER TO PLAT FOR STATE PLANE TIE.
2. CHANNEL CONSTRUCTION SHOWN HEREON IS IN ACCORDANCE WITH TYPICAL CHANNEL SECTIONS. SHEET 11, UNLESS OTHERWISE INDICATED.

SOIL CEMENT CHANNEL PLAN AND PROFILE

SCALE:
HORIZONTAL: 1" = 50'
VERTICAL: 1" = 10'

RECORD DRAWING



NOT PART OF CITY WORK ORDER

940951

JEFF MORTENSEN & ASSOCIATES, INC.
6010-B MIDWAY PARK BLVD. N.E.
ALBUQUERQUE NEW MEXICO 87109
ENGINEERS SURVEYORS (505) 345-4250

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: NORTH DOMINGO BACA ARROYO
WINDOW G SOIL CEMENT CHANNEL
CHANNEL PLAN AND PROFILE STA 30+00 TO STA 34+07.55

Design Review Committee: SEP - 8 '
City Engineer Approval
Last Design Update
Mo./Day/Yr.
Mo./Day/Yr.

City Project No. 572982 | Zone Map No. C-19 | Sheet 8 Of 27

AS BUILT INFORMATION
CONTRACTOR: DATE
STAKED BY: DATE
INSPECTOR'S ACCEPTANCE BY: DATE
FIELD VERIFICATION BY: DATE
DRAWINGS CORRECTED BY: DATE

BENCH MARKS
CITY OF ALBUQUERQUE BENCH MARK "HEAVEN", A STANDARD USC AND GS BRASS TABLET STAMPED "HEAVEN 1969", SET IN TOP OF A CONCRETE POST FLUSH WITH THE GROUND LOCATED AT THE ENTRANCE TO THE "GATE OF HEAVEN" CEMETERY 0.15 MILES WEST OF THE INTERSECTION OF PASEO DEL NORTE N.E. AND WYOMING BOULEVARD N.E. STATION IS ON THE SOUTH SIDE OF PASEO DEL NORTE. ELEVATION = 5378.78 FEET (M.S.L.D.)

MICRO-FILM INFORMATION
RECORDED BY: DATE
NO.

SURVEY INFORMATION

FIELD NOTES		
NO.	BY	DATE
940953	JMA	8/96

ENGINEER'S SEAL
JEFF G. MORTENSEN
NEW MEXICO
8542
REGISTERED PROFESSIONAL ENGINEER
08-13-97

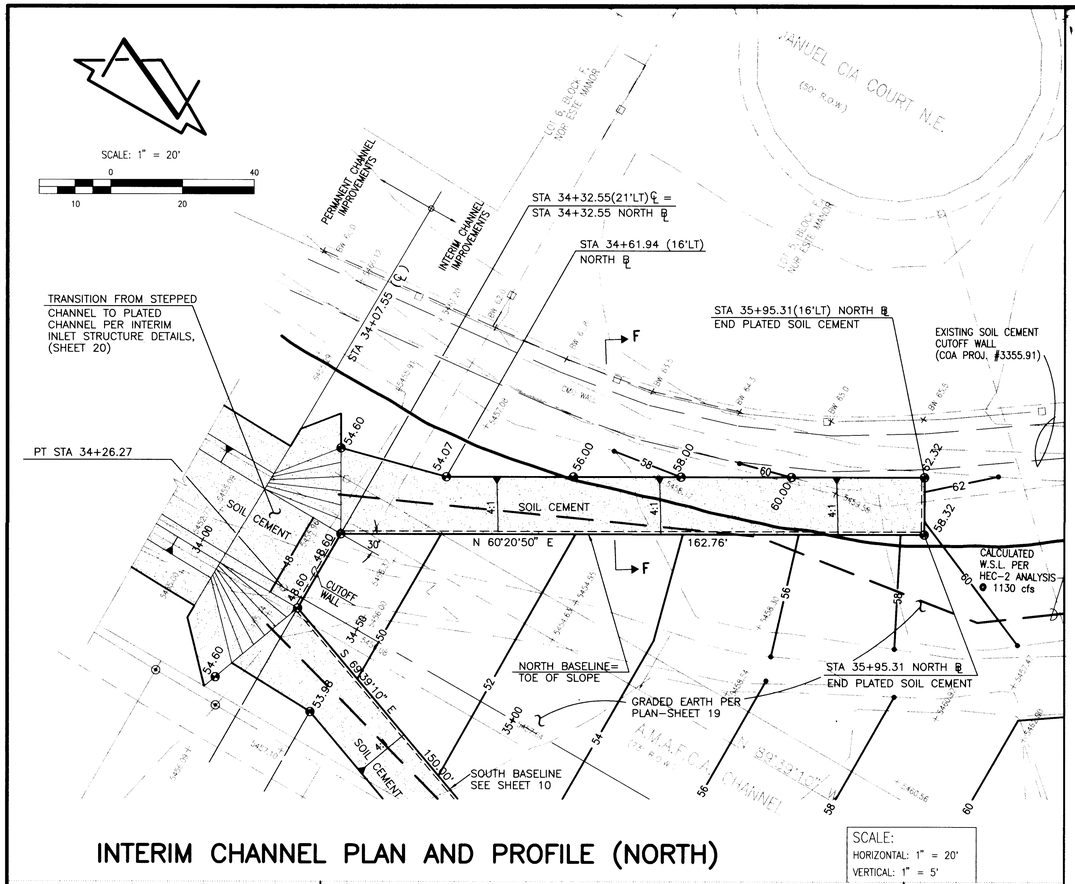
RECORD DRAWING 01/98

NO.	DATE	REMARKS	BY
		Revisions	
		DESIGN	

Designed By G.M. Date 04-97
Drawn By D.L.M. Date 04-97
Checked By J.G.M. Date 08-97

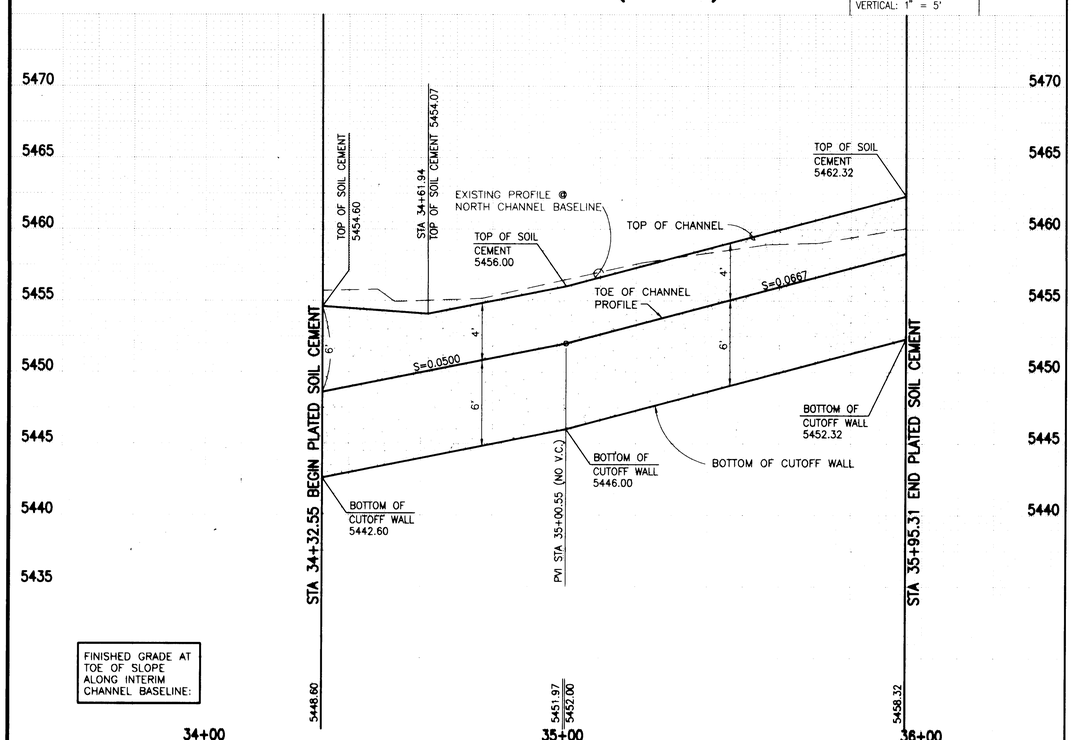
970625

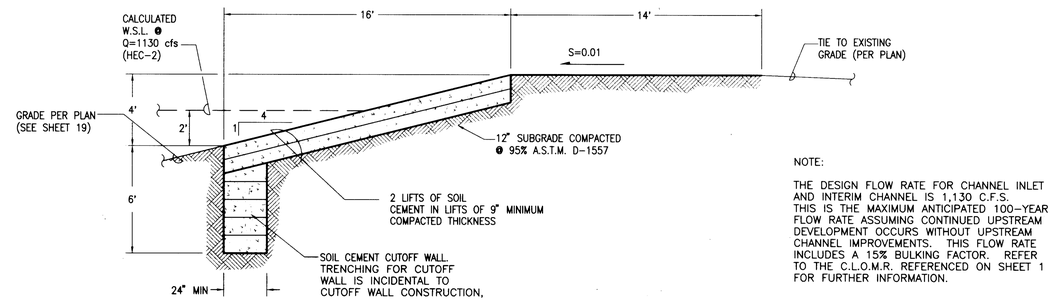
SEE SHEETS 19 AND 20 FOR CHANNEL INLET DETAILS AND ENLARGED SITE PLAN



INTERIM CHANNEL PLAN AND PROFILE (NORTH)

SCALE:
HORIZONTAL: 1" = 20'
VERTICAL: 1" = 5'





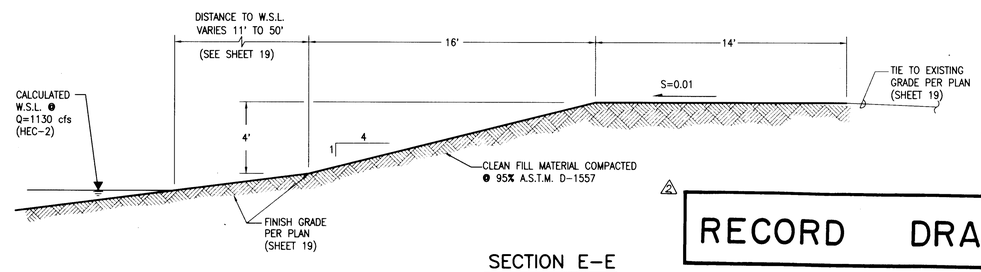
NOTE:

THE DESIGN FLOW RATE FOR CHANNEL INLET AND INTERIM CHANNEL IS 1,130 C.F.S. THIS IS THE MAXIMUM ANTICIPATED 100-YEAR FLOW RATE ASSUMING CONTINUED UPSTREAM DEVELOPMENT OCCURS WITHOUT UPSTREAM CHANNEL IMPROVEMENTS. THIS FLOW RATE INCLUDES A 15% BULKING FACTOR. REFER TO THE C.L.O.M.R. REFERENCED ON SHEET 1 FOR FURTHER INFORMATION.

SECTION D-D

SCALE: 1" = 4'

(SOUTH WING DIKE, SHEET 10)



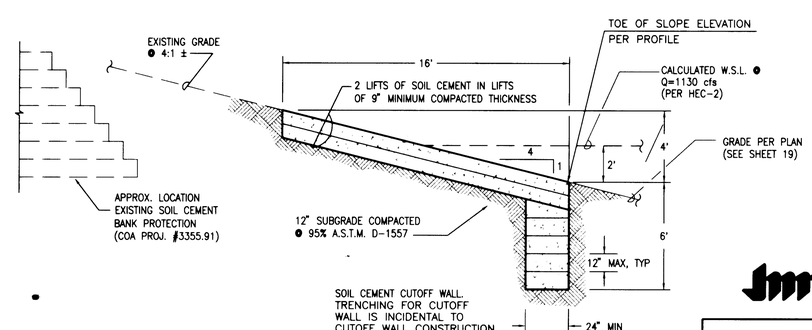
SECTION E-E

SCALE: 1" = 4'

(SHEET 10)

RECORD DRAWING

NOT PART OF CITY WORK ORDER



SECTION F-F

SCALE: 1" = 4'

(NORTH WING DIKE)

AS BUILT INFORMATION

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

MICRO-FILM INFORMATION

RECORDED BY — DATE

NO.

BENCH MARKS

CITY OF ALBUQUERQUE BENCH MARK "HEAVEN". A STANDARD USC AND GS BRASS TABLET STAMPED "HEAVEN 1969", SET IN TOP OF A CONCRETE POST FLUSH WITH THE GROUND LOCATED AT THE ENTRANCE TO THE "GATE OF HEAVEN" CEMETERY 0.15 MILES WEST OF THE INTERSECTION OF PASEO DEL NORTE N.E. AND WYOMING BOULEVARD N.E. STATION IS ON THE SOUTH SIDE OF PASEO DEL NORTE. ELEVATION = 5378.78 FEET (M.S.L.D.)

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
940953	JMA	8/96

ENGINEER'S SEAL

JEFFREY G. MORTENSEN NEW MEXICO 8547 REGISTERED PROFESSIONAL ENGINEER

08-13-97

G.M.

RECORD DRAWING

NO.	DATE	REMARKS	BY
		Revisions	
		DESIGN	

		Date
Designed By	G.M.	04-97
Drawn By	D.L.M.	04-97
Checked By	J.G.M.	08-97

01/98

jma — JEFF MORTENSEN & ASSOCIATES, INC. ENGINEERS — 6010-B MIDWAY PARK BLVD. N.E. ALBUQUERQUE NEW MEXICO 87109 — SURVEYORS (505) 345-4250

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: NORTH DOMINGO BACA ARROYO
WINDOW G SOIL CEMENT CHANNEL
INTERIM CHANNEL PLAN AND PROFILE AND SECTIONS – NORTH

Design Review Committee — SEP - 8 1997 — DEPARTMENT REPRESENTATIVE

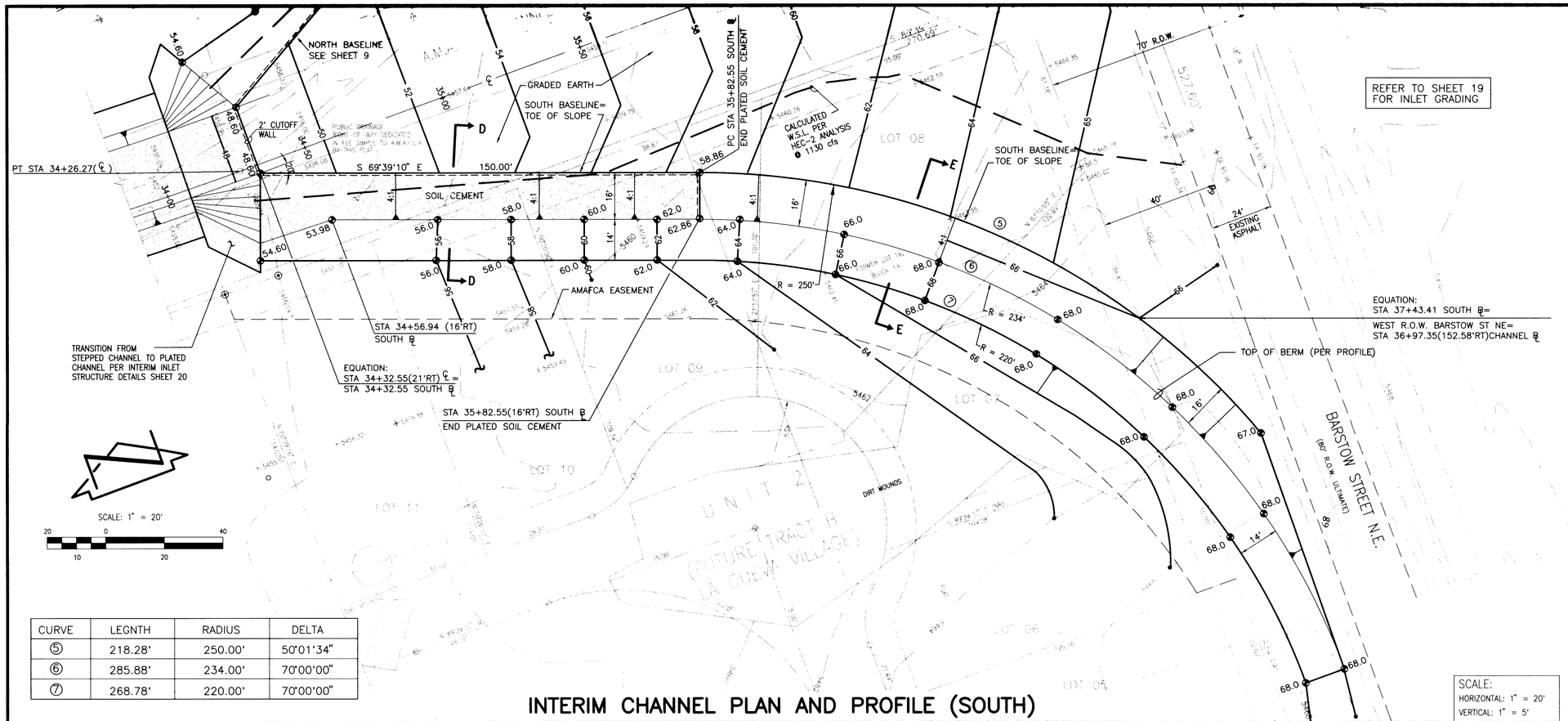
City Engineer Approval

Last Design Update — Mo./Day/Yr. — Mo./Day/Yr.

City Project No. 572982 — Zone Map No. C-19 — Sheet 9 Of 27

940951

970625

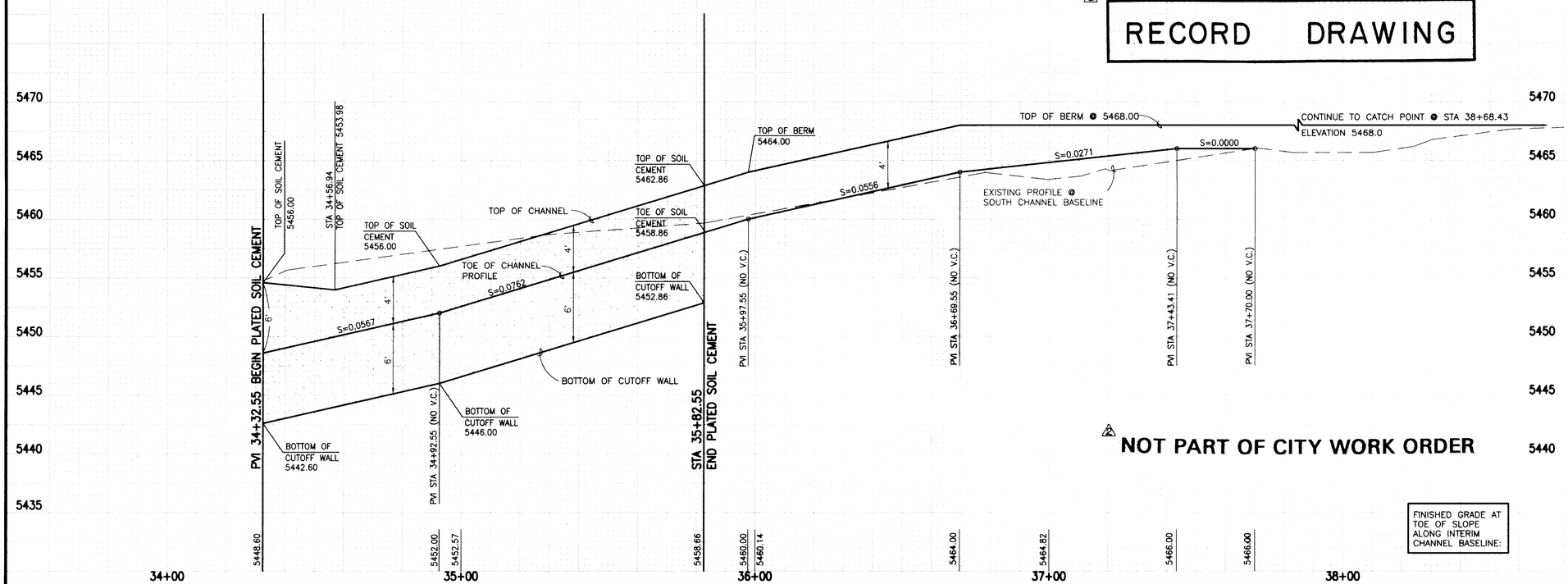


CURVE	LEGNTH	RADIUS	DELTA
⑤	218.28'	250.00'	50°01'34"
⑥	285.88'	234.00'	70°00'00"
⑦	268.78'	220.00'	70°00'00"

INTERIM CHANNEL PLAN AND PROFILE (SOUTH)

SCALE:
HORIZONTAL: 1" = 20'
VERTICAL: 1" = 5'

RECORD DRAWING



NOT PART OF CITY WORK ORDER

FINISHED GRADE AT
TOE OF SLOPE
ALONG INTERIM
CHANNEL BASELINE:

940951

AS BUILT INFORMATION

CONTRACTOR
WORK STAKED BY — DATE
STAKING CHECKED BY — DATE
FIELD ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

CITY OF ALBUQUERQUE BENCH MARK "HEAVEN", A STANDARD USC AND GS BRASS TABLET STAMPED "HEAVEN 1969", SET IN TOP OF A CONCRETE POST FLUSH WITH THE GROUND LOCATED AT THE ENTRANCE TO THE "GATE OF HEAVEN" CEMETERY 0.15 MILES WEST OF THE INTERSECTION OF PASEO DEL NORTE N.E. AND WYOMING BOULEVARD N.E. STATION IS ON THE SOUTH SIDE OF PASEO DEL NORTE.
ELEVATION = 5378.78 FEET (M.S.L.D.)

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
940953	JMA	8/96

ENGINEER'S SEAL

JEFFREY G. MORTENSEN NEW MEXICO 8547 REGISTERED PROFESSIONAL ENGINEER
08-13-97

RECORD DRAWING 01/98 G.M.

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

Designed By G.M. Date 04-97
Drawn By D.L.M. Date 04-97
Checked By J.G.M. Date 08-97

JMA
JEFF MORTENSEN & ASSOCIATES, INC.
6010-B MIDWAY PARK BLVD. N.E.
ALBUQUERQUE NEW MEXICO 87109
ENGINEERS SURVEYORS (505) 345-4250

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

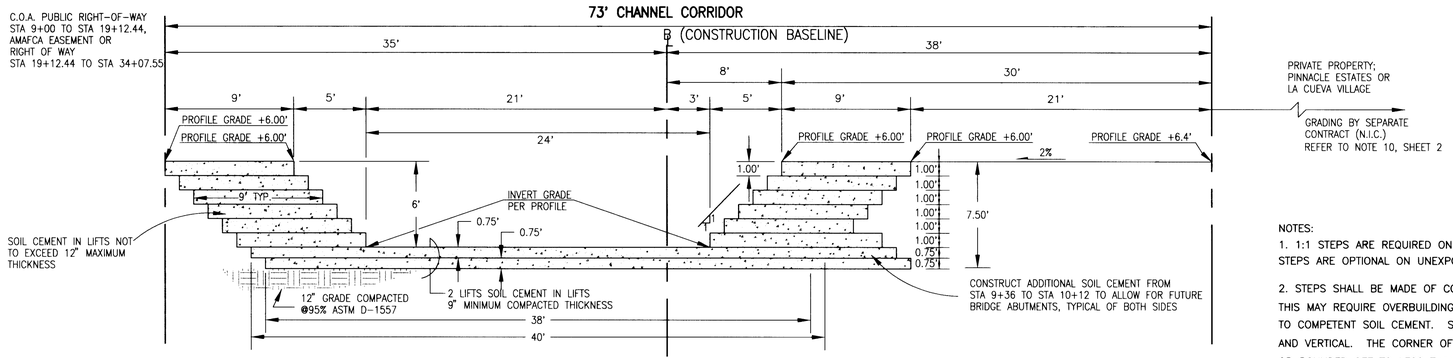
TITLE: NORTH DOMINGO BACA ARROYO
WINDOW G SOIL CEMENT CHANNEL
INTERIM CHANNEL PLAN AND PROFILE–SOUTH

Design Review Committee — SEP - 8
City Engineer Approval
Last Design Update — Mo./Day/Yr. — Mo./Day/Yr.

City Project No. 572982 | Zone Map No. C-19 | Sheet 10 Of 27

970625

C:\DATA\ACADDWG\940951\940951P1 Tue Aug 12 19:13:54 1997 -DLM

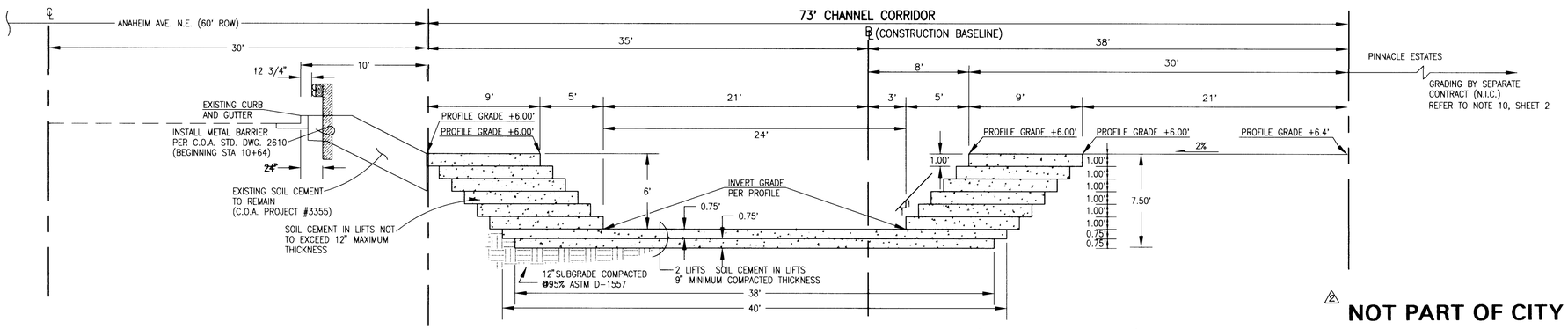


TYPICAL CHANNEL SECTION
SCALE: 1"=5'

NOTES:

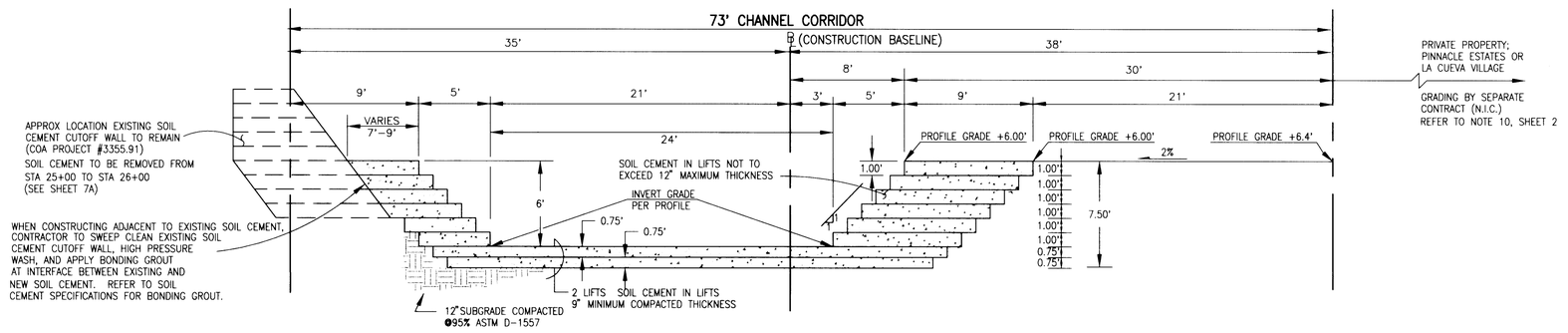
1. 1:1 STEPS ARE REQUIRED ON EXPOSED FACE OF SOIL CEMENT. STEPS ARE OPTIONAL ON UNEXPOSED FACE.

2. STEPS SHALL BE MADE OF COMPACTED SOIL CEMENT. THIS MAY REQUIRE OVERBUILDING AND TRIMMING BACK TO COMPETENT SOIL CEMENT. STEP FACES SHALL BE UNIFORM AND VERTICAL. THE CORNER OF THE STEP MAY BE CHAMFERED OR ROUNDED OFF TO LESS THAN THE 90 DEGREE CORNER SHOWN.



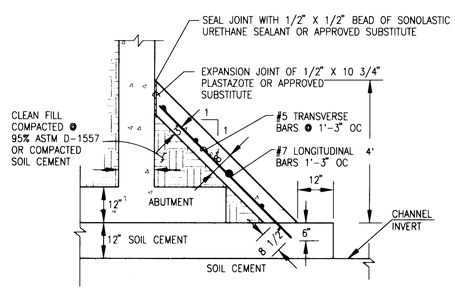
TYPICAL CHANNEL SECTION ADJACENT TO ANAHEIM AVE. N.E. (STA 10+64 TO STA 21+00)
SCALE: 1"=5'

NOT PART OF CITY WORK ORDER

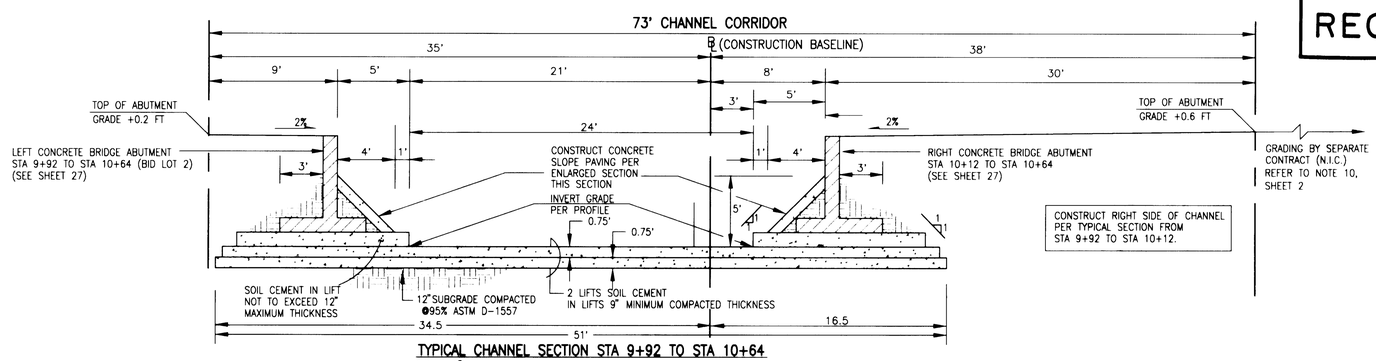


TYPICAL CHANNEL SECTION ADJACENT TO EXISTING SOIL CEMENT (STA 24+75 TO STA 25+00, STA 26+00 TO STA 26+25)
SCALE: 1"=5'

RECORD DRAWING



ENLARGED CONCRETE SLOPE PAVING SECTION
SCALE: 1"=2'



TYPICAL CHANNEL SECTION STA 9+92 TO STA 10+64
SCALE: 1"=5'

AS BUILT INFORMATION

CONTRACTOR		
WORK 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

CITY OF ALBUQUERQUE BENCH MARK "HEAVEN", A STANDARD USC AND GS BRASS TABLET STAMPED "HEAVEN 1969", SET IN TOP OF A CONCRETE POST FLUSH WITH THE GROUND LOCATED AT THE ENTRANCE TO THE "GATE OF HEAVEN" CEMETERY 0.15 MILES WEST OF THE INTERSECTION OF PASEO DEL NORTE N.E. AND WYOMING BOULEVARD N.E. STATION IS ON THE SOUTH SIDE OF PASEO DEL NORTE.
ELEVATION = 5378.78 FEET (M.S.L.D.)

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
940953	JMA	8/96
940951	JMA	10/94

ENGINEER'S SEAL

JEFFREY G. MORTENSEN NEW MEXICO 8547 REGISTERED PROFESSIONAL ENGINEER
05-13-97

G.M.

NO.	DATE	REMARKS	BY
1	10/98	RECORDED DRAWING	G.M.

REVISIONS

DESIGN

		DATE
DESIGNED BY	G.M.	04-97
DRAWN BY	J.Y.R.	04-97
CHECKED BY	J.G.M.	08-97

jma JEFF MORTENSEN & ASSOCIATES, INC.
6010-B MIDNAT PARK BLVD. N.E.
ALBUQUERQUE NEW MEXICO 87109
ENGINEERS SURVEYORS (505) 345 4250

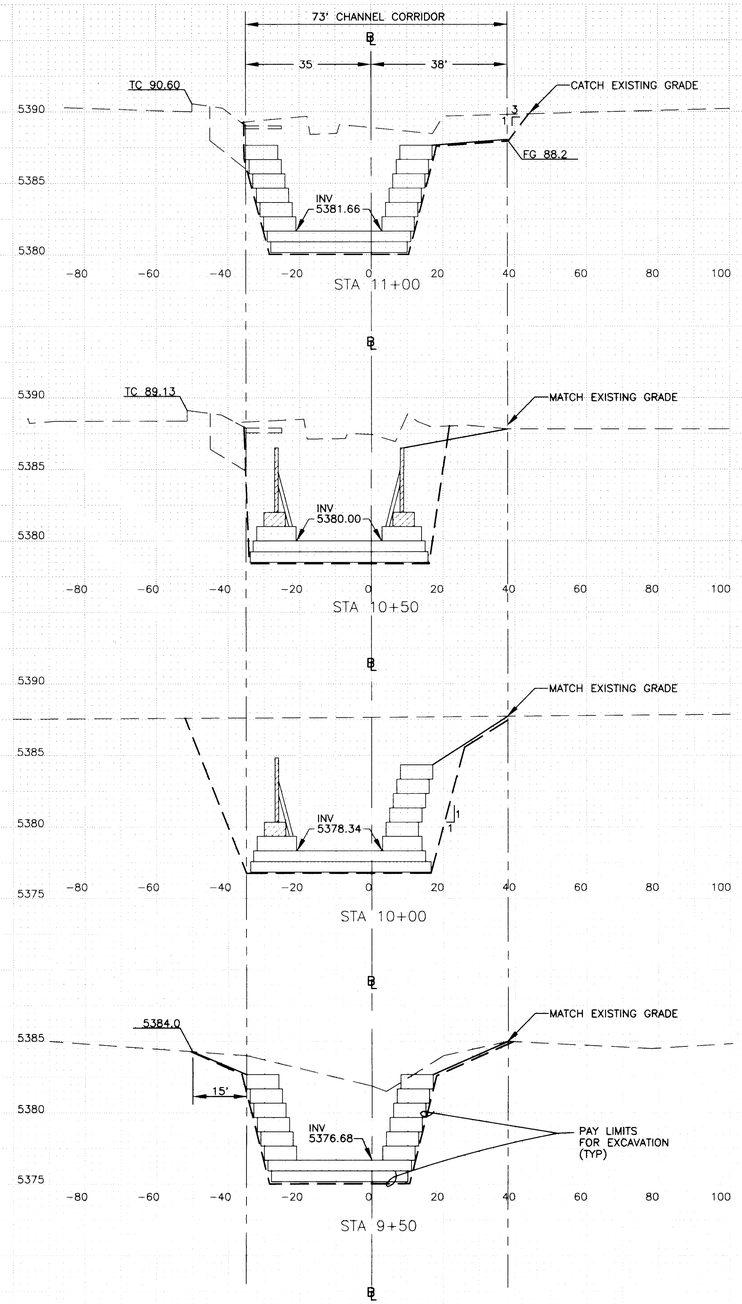
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

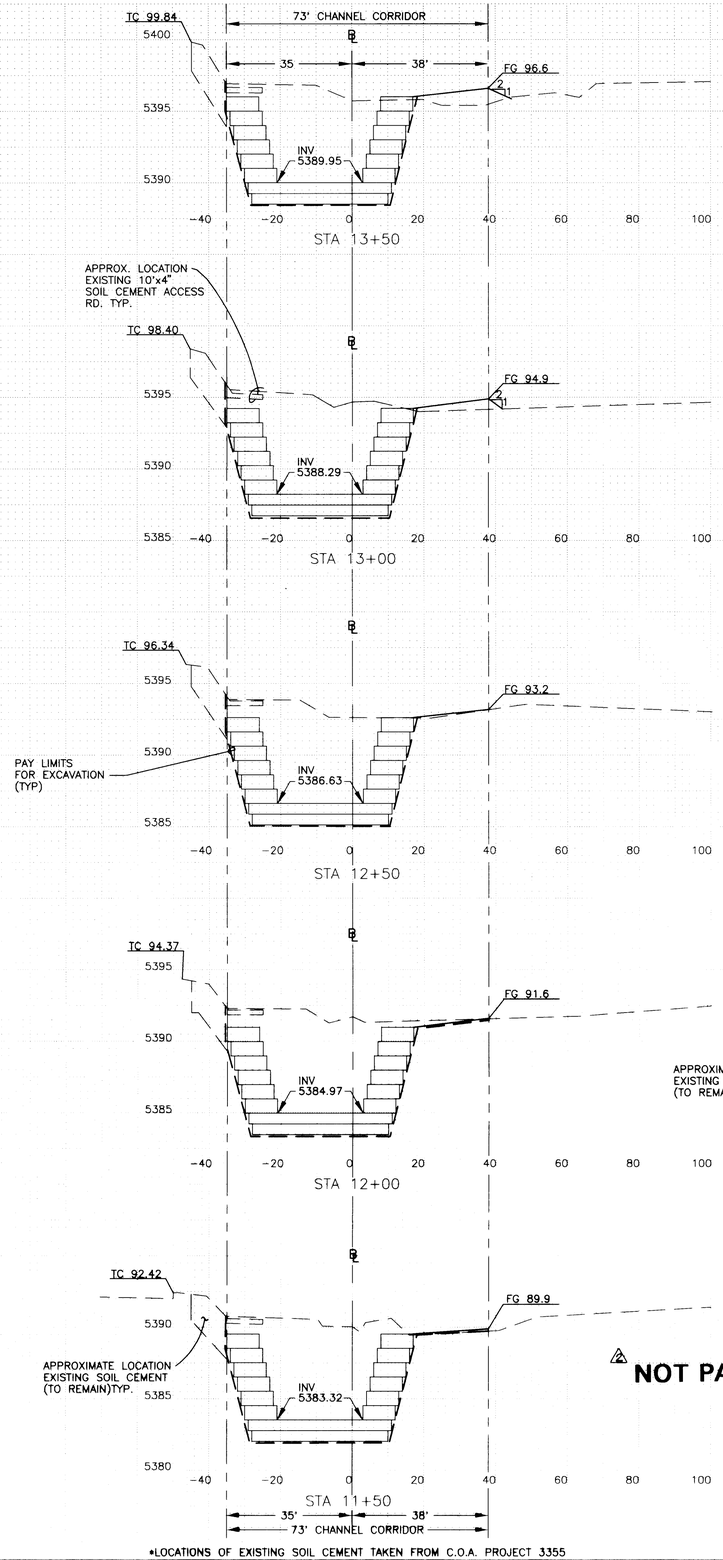
TITLE: NORTH DOMINGO BACA ARROYO
WINDOW G SOIL CEMENT CHANNEL
TYPICAL CHANNEL SECTIONS

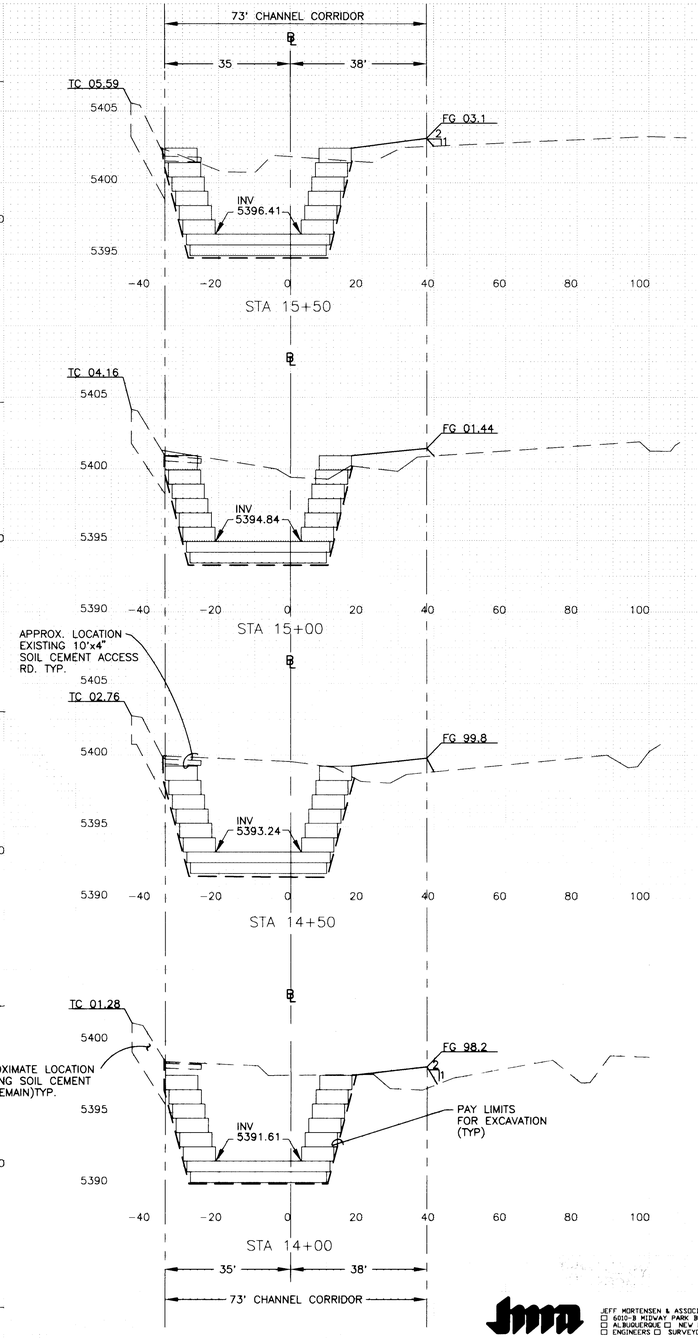
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

940951	City Project No. 572982	Zone Map No. C-19	Sheet 11 Of 27

970625







RECORD DRAWING

NOT PART OF CITY WORK ORDER

SCALE: 1"=20' HORIZONTAL
1"=5' VERTICAL

•LOCATIONS OF EXISTING SOIL CEMENT TAKEN FROM C.O.A. PROJECT 3355

940951

AS BUILT INFORMATION

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

BENCH MARKS

CITY OF ALBUQUERQUE BENCH MARK "HEAVEN", A STANDARD USC AND GS BRASS TABLET STAMPED "HEAVEN 1969", SET IN TOP OF A CONCRETE POST FLUSH WITH THE GROUND LOCATED AT THE ENTRANCE TO THE "GATE OF HEAVEN" CEMETERY 0.15 MILES WEST OF THE INTERSECTION OF PASEO DEL NORTE N.E. AND WYOMING BOULEVARD N.E. STATION IS ON THE SOUTH SIDE OF PASEO DEL NORTE.
ELEVATION = 5378.78 FEET (M.S.L.D.)

SURVEY INFORMATION

FIELD NOTES		
NO.	BY	DATE
940953	JMA	8/96

ENGINEER'S SEAL

JEFFREY G. MORTENSEN NEW MEXICO 8547 REGISTERED PROFESSIONAL ENGINEER
08-13-97

RECORD DRAWING

NO.	DATE	REMARKS	BY
1	01/98	Revisions	G.T.

		Date
Designed By	G.M	08-97
Drawn By	DLM	08-97
Checked By	J.G.M.	08-97

JEFF MORTENSEN & ASSOCIATES, INC.
6010-B MIDNAT PARK BLVD. N.E.
ALBUQUERQUE NEW MEXICO 87109
ENGINEERS SURVEYORS (505) 345-4250

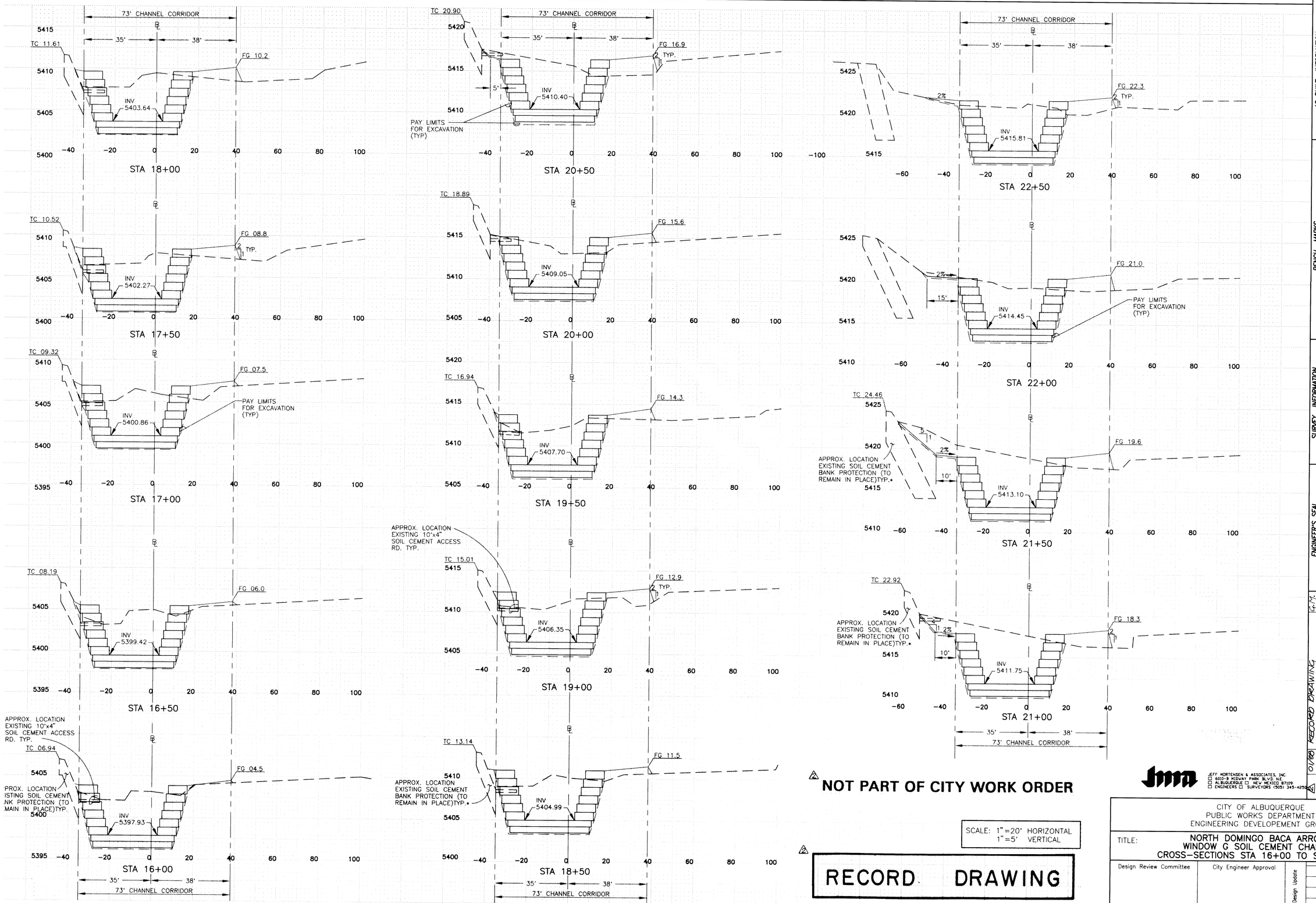
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPEMENT GROUP

TITLE: NORTH DOMINGO BACA ARROYO
WINDOW G SOIL CEMENT CHANNEL
CROSS SECTIONS STA 9+50 TO STA 15+50

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

City Project No. 572982 | Zone Map No. C-19 | Sheet 12 Of 27

970625



*LOCATIONS OF EXISTING SOIL CEMENT FROM STA. 10+50 TO 21+00 TAKEN FROM C.O.A. PROJECT 3355, SOIL CEMENT FROM STA 21+50 TO STA 34+00 TAKEN FROM C.O.A. PROJECT 3355.91

△ NOT PART OF CITY WORK ORDER

SCALE: 1"=20' HORIZONTAL
1"=5' VERTICAL

RECORD DRAWING

940951

970625

AS BUILT INFORMATION

CONTRACTOR — DATE
WORK 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

CITY OF ALBUQUERQUE BENCH MARK "HEAVEN", A STANDARD USC AND GS BRASS TABLET STAMPED "HEAVEN 1969", SET IN TOP OF A CONCRETE POST FLUSH WITH THE GROUND LOCATED AT THE ENTRANCE TO THE "GATE OF HEAVEN" CEMETERY 0.15 MILES WEST OF THE INTERSECTION OF PASEO DEL NORTE N.E. AND WYOMING BOULEVARD N.E. STATION IS ON THE SOUTH SIDE OF PASEO DEL NORTE.
ELEVATION = 5378.78 FEET (M.S.L.D.)

SURVEY INFORMATION

NO.	FIELD NOTES BY	DATE
940953	JMA	8/96

ENGINEER'S SEAL

JEFFREY G. HORTENSEN, NEW MEXICO, 8547, REGISTERED PROFESSIONAL ENGINEER
08-13-97

RECORD DRAWING

NO.	DATE	REMARKS	BY
1	01/98	G.M.	

Revisions

DESIGN

Designed By	G.M	Date 08-97
Drawn By	DLM	Date 08-97
Checked By	J.G.M.	Date 08-97

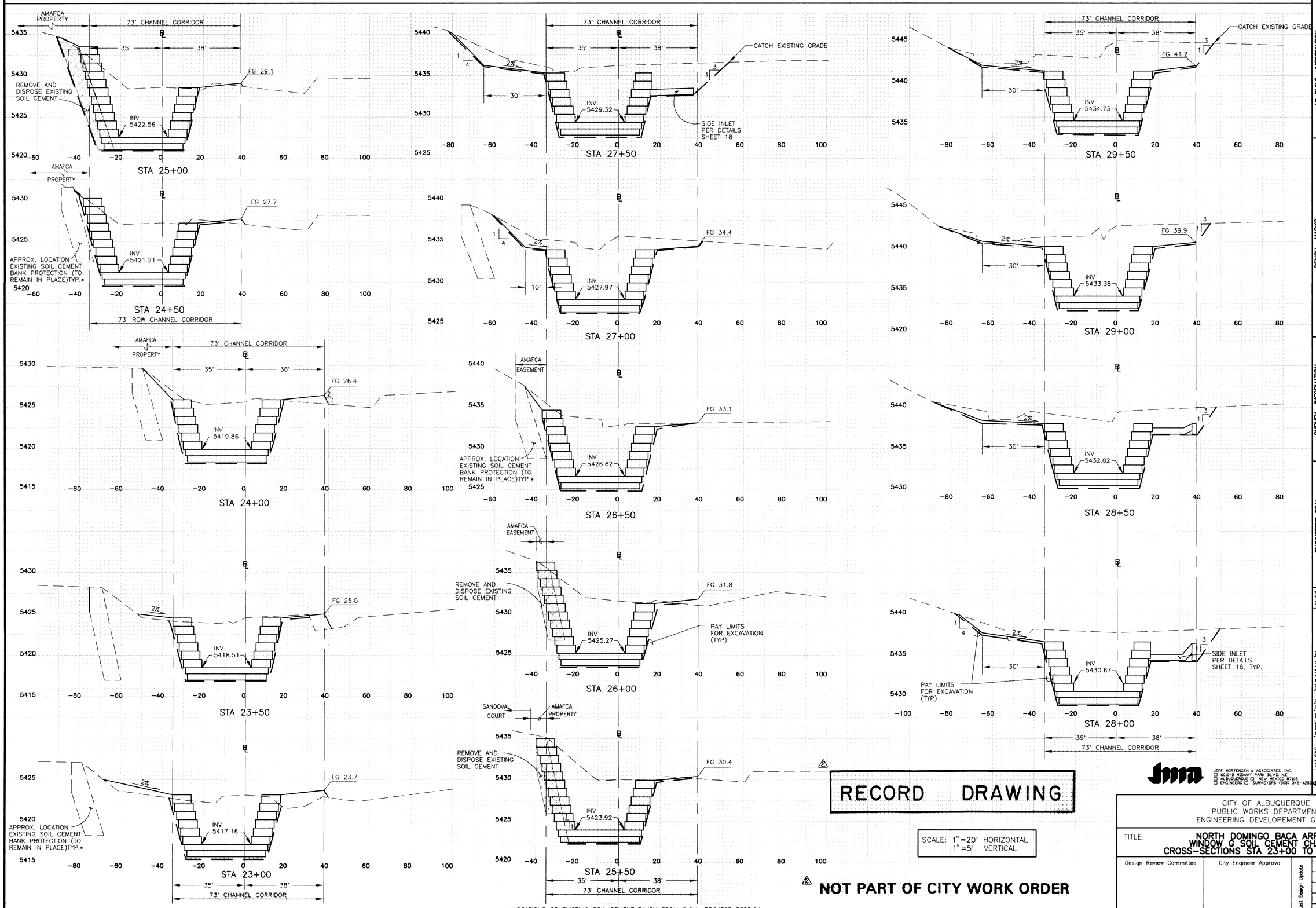
JEFF HORTENSEN & ASSOCIATES, INC.
6010-B MIDWAY PARK BLVD. N.E.
ALBUQUERQUE □, NEW MEXICO 87109
ENGINEERS □ SURVEYORS (505) 345-4250

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPEMENT GROUP

TITLE: NORTH DOMINGO BACA ARROYO
WINDOW G SOIL CEMENT CHANNEL
CROSS-SECTIONS STA 16+00 TO STA 22+50

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

City Project No. 572982 | Zone Map No. C-19 | Sheet 13 Of 27



*LOCATIONS OF EXISTING SOIL CEMENT TAKEN FROM C.O.A. PROJECT 3355.91

RECORD DRAWING

SCALE: 1"=20' HORIZONTAL
1"=5' VERTICAL

NOT PART OF CITY WORK ORDER

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JEFF. MORTENSEN & ASSOCIATES, INC.
6010-B MIDWAY PARK BLVD. N.E.
ALBUQUERQUE NEW MEXICO 87109
ENGINEERS SURVEYORS (505) 345-4250

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPEMENT GROUP

TITLE: NORTH DOMINGO BACA ARROYO
WINDOW G SOIL CEMENT CHANNEL
CROSS-SECTIONS STA 23+00 TO STA 29+50

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

City Project No. 572982 | Zone Map No. C-19 | Sheet 14 Of 27

970625

AS BUILT INFORMATION

CONTRACTOR | DATE
WORK 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

CITY OF ALBUQUERQUE BENCH MARK "HEAVEN", A STANDARD USC AND GS BRASS TABLET STAMPED "HEAVEN 1969", SET IN TOP OF A CONCRETE POST FLUSH WITH THE GROUND LOCATED AT THE ENTRANCE TO THE "GATE OF HEAVEN" CEMETERY 0.15 MILES WEST OF THE INTERSECTION OF PASEO DEL NORTE N.E. AND WYOMING BOULEVARD N.E. STATION IS ON THE SOUTH SIDE OF PASEO DEL NORTE.
ELEVATION = 5378.78 FEET (M.S.L.D.)

SURVEY INFORMATION

FIELD NOTES NO.	BY	DATE
940953	JMA	8/96

ENGINEER'S SEAL

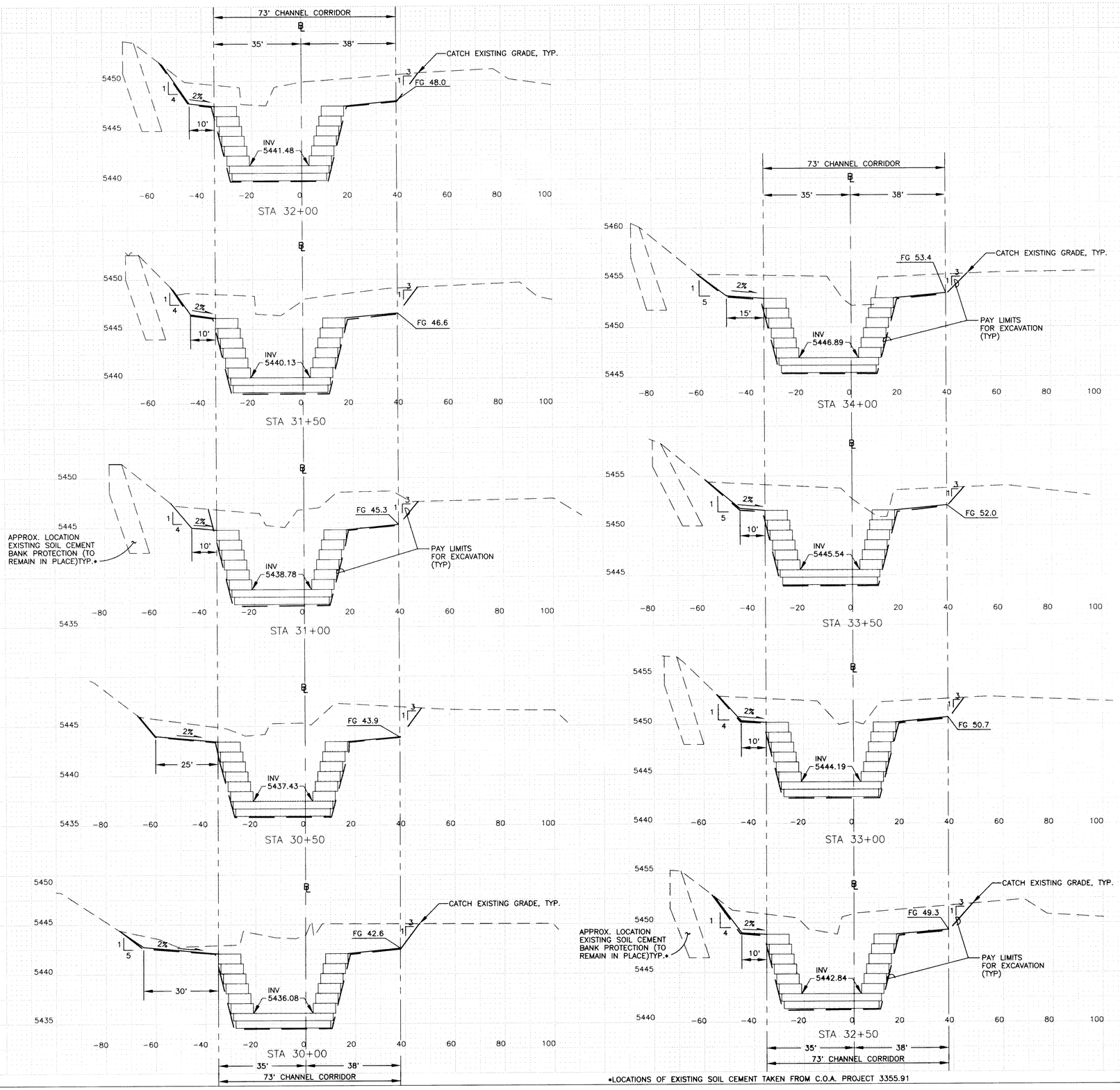
JEFFREY G. MORTENSEN NEW MEXICO 8547 REGISTERED PROFESSIONAL ENGINEER
08-13-97

RECORD DRAWING 01/98

NO.	DATE	REMARKS	BY
		Revisions	
		DESIGN	

Designed By G.M. Date 08-97
Drawn By D.L.M. Date 08-97
Checked By J.G.M. Date 08-97

C:\DATA\ACAD\ng 94951 94951\3 Wed Aug 13 10:22:36 1997 -JMC



RECORD DRAWING

NOT PART OF CITY WORK ORDER

SCALE: 1"=20' HORIZONTAL
1"=5' VERTICAL

*LOCATIONS OF EXISTING SOIL CEMENT TAKEN FROM C.O.A. PROJECT 3355.91

940951

AS BUILT INFORMATION

CONTRACTOR	
WORK STAKED BY	DATE
INSPECTOR'S ACCEPTANCE BY	DATE
FIELD DATA VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE

BENCH MARKS

CITY OF ALBUQUERQUE BENCH MARK "HEAVEN" A STANDARD USC AND GS BRASS TABLET STAMPED "HEAVEN 1969", SET IN TOP OF A CONCRETE POST FLUSH WITH THE GROUND LOCATED AT THE ENTRANCE TO THE "GATE OF HEAVEN" CEMETERY 0.15 MILES WEST OF THE INTERSECTION OF PASEO DEL NORTE N.E. AND WYOMING BOULEVARD N.E. STATION IS ON THE SOUTH SIDE OF PASEO DEL NORTE. ELEVATION = 5378.78 FEET (M.S.L.D.)

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
940953	JMA	8/96

ENGINEER'S SEAL

JEFFREY G. MORTENSEN NEW MEXICO 8547 REGISTERED PROFESSIONAL ENGINEER

08-1-97

G.M.

RECORD DRAWING.

NO.	DATE	REMARKS	BY
1	01/98	Revisions	

		Date
Designed By	G.M	08-97
Drawn By	D.L.M	08-97
Checked By	J.G.M.	08-97

JEFF MORTENSEN & ASSOCIATES, INC.
6010-B MIDWAY PARK BLVD. N.E.
ALBUQUERQUE, NEW MEXICO 87109
ENGINEERS (505) SURVEYORS (505) 345-4250

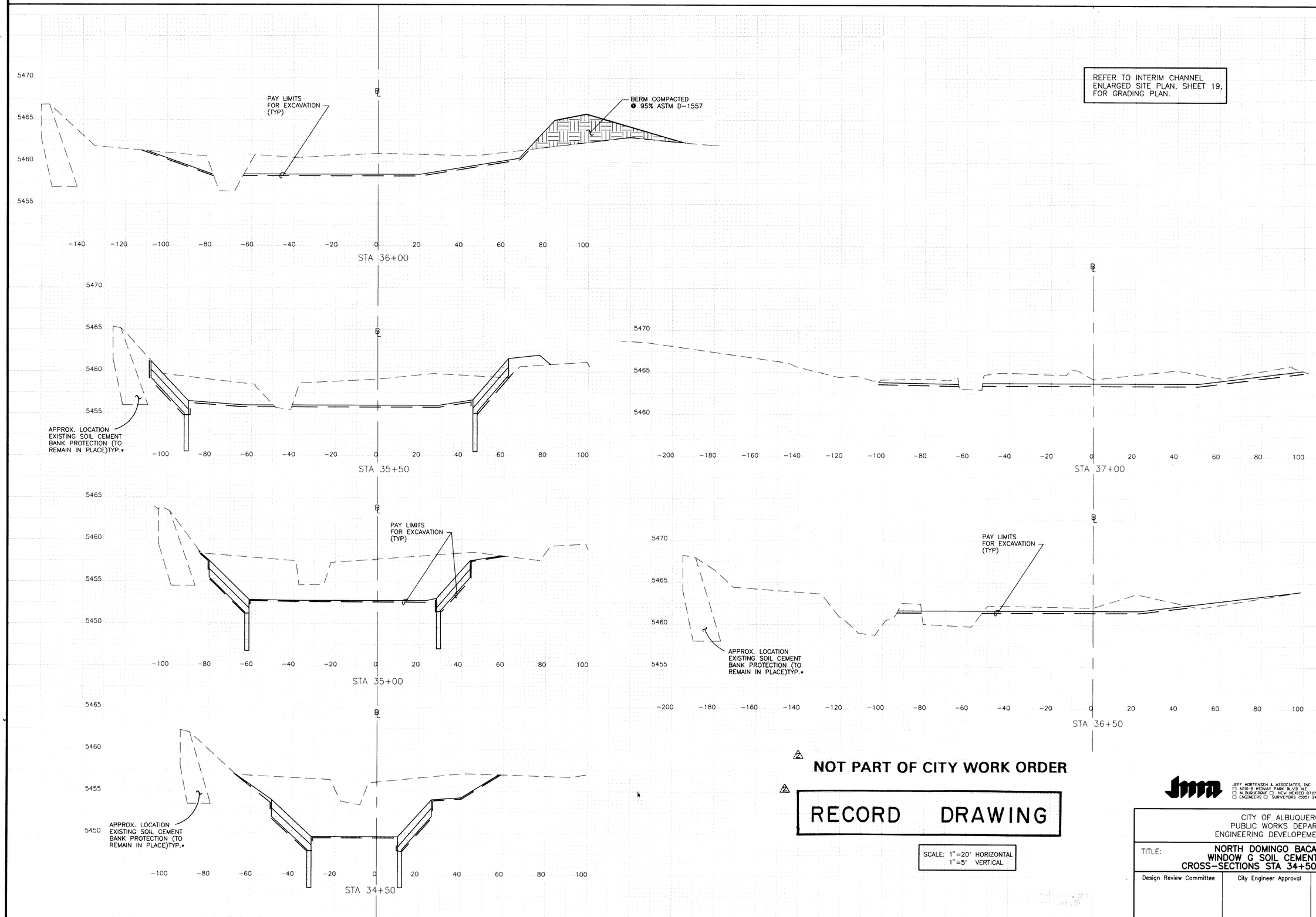
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPEMENT GROUP

TITLE: NORTH DOMINGO BACA ARROYO
WINDOW G SOIL CEMENT CHANNEL
CROSS-SECTIONS STA 30+00 TO STA 34+00

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

City Project No.	Zone Map No.	Sheet	Of
572982	C-19	15	27

970625



REFER TO INTERIM CHANNEL ENLARGED SITE PLAN, SHEET 19, FOR GRADING PLAN.

NOT PART OF CITY WORK ORDER

RECORD DRAWING

SCALE: 1"=20' HORIZONTAL
1"=5' VERTICAL

* LOCATIONS OF EXISTING SOIL CEMENT TAKEN FROM C.O.A. PROJECT 3355.91

940951

AS BUILT INFORMATION

CONTRACTOR — DATE
WORK 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

CITY OF ALBUQUERQUE BENCH MARK "HEAVEN", A STANDARD USC AND GS BRASS TABLET STAMPED "HEAVEN 1969", SET IN TOP OF A CONCRETE POST FLUSH WITH THE GROUND LOCATED AT THE ENTRANCE TO THE "GATE OF HEAVEN" CEMETERY 0.15 MILES WEST OF THE INTERSECTION OF PASEO DEL NORTE N.E. AND WYOMING BOULEVARD N.E. STATION IS ON THE SOUTH SIDE OF PASEO DEL NORTE.
ELEVATION = 5378.78 FEET (M.S.L.D.)

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
940953	JMA	8/96

ENGINEER'S SEAL

JEFF G. MORTENSEN — NEW MEXICO — 8547 — REGISTERED PROFESSIONAL ENGINEER
08-13-97

RECORD DRAWING 01/98 G.M.

NO.	DATE	REMARKS	BY
		Revisions	
		DESIGN	

		Date
Designed By	GM	08-97
Drawn By	DLM	08-97
Checked By	JGM	08-97

JEFF MORTENSEN & ASSOCIATES, INC.
6010-B MIDWAY PARK BLVD. N.E.
ALBUQUERQUE NEW MEXICO 87109
ENGINEERS SURVEYORS (505) 345-4250

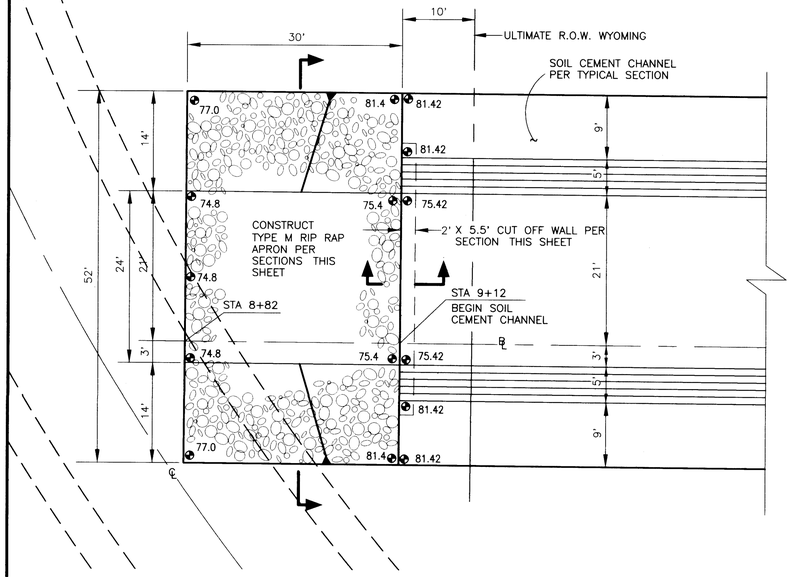
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPEMENT GROUP

TITLE: NORTH DOMINGO BACA ARROYO
WINDOW G SOIL CEMENT CHANNEL
CROSS-SECTIONS STA 34+50 TO STA 37+00

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

City Project No. 572982 | Zone Map No. C-19 | Sheet 16 Of 27

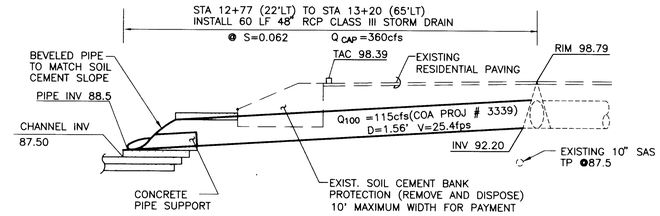
970625



EXISTING SHOOFLY TO BE REMOVED BY SEPARATE CONTRACT (SEE NOTES AT RIGHT)

CHANNEL OUTLET DETAIL

SCALE=1"=10'



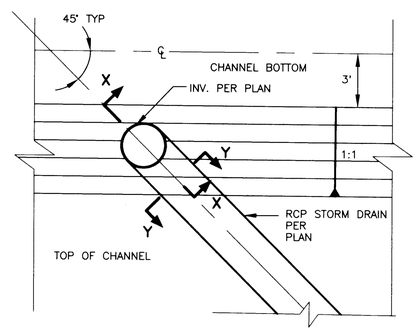
ANAHEIM STORM DRAIN PROFILE DETAIL (SEE SHEET 6 FOR PLAN)

SCALE: 1"=10'

NOTE: CONTRACTOR SHALL ENSURE THAT GUARDRAIL POST INSTALLATION DOES NOT CONFLICT WITH ALIGNMENT OF 48" RCP STORM DRAIN.

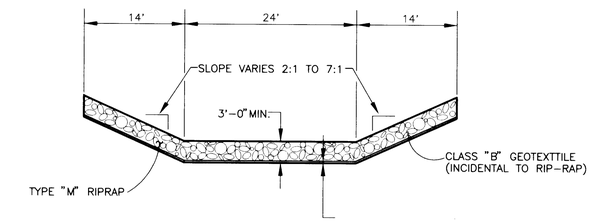
PROJECT NOTES:

1. TEMPORARY SHOOFLY (SHEET 23) WILL DIVERT WYOMING TRAFFIC AROUND CONSTRUCTION AREA DURING CHANNEL PROJECT DURATION AND WYOMING BOULEVARD IMPROVEMENTS CONSTRUCTION. WYOMING IMPROVEMENTS AND CONSTRUCTION/REMOVAL OF SHOOFLY TO BE PERFORMED BY SEPARATE CONTRACT. SHOOFLY TO BE IN PLACE BY SEPTEMBER 15, 1997.
2. SHOOFLY SHALL BE CONSTRUCTED BY SEPARATE CONTRACT PRIOR TO SEPTEMBER 15, 1997.
3. SHOOFLY SHALL BE REMOVED BY SEPARATE CONTRACT FOLLOWING COMPLETION OF WYOMING BOULEVARD IMPROVEMENTS.
4. RIP-RAP APRON (SHEET 17) SHALL BE CONSTRUCTED IMMEDIATELY FOLLOWING REMOVAL OF SHOOFLY. IF SHOOFLY IS NOT REMOVED BEFORE 14 DAYS PRIOR TO PROJECT COMPLETION DATE, CONTRACTOR SHALL PROVIDE AND STOCKPILE RIP-RAP AT PROJECT MANAGER'S DIRECTION IN LIEU OF INSTALLATION. NO CHANGE IN CONTRACT IN CONTRACT PRICE SHALL BE MADE.
5. FINAL OUTLET GRADING (SHEET 22) SHALL BE PERFORMED AND COMPLETED AFTER REMOVAL OF SHOOFLY. IF SHOOFLY IS NOT REMOVED BEFORE 14 DAYS PRIOR TO PROJECT COMPLETION DATE, FINAL OUTLET GRADING SHALL BE DELETED FROM THE CONTRACT.
6. BECAUSE THIS PROJECT LIES WITHIN EXISTING FLOODPLAIN, ALL FILL SHALL BE COMPACTED TO A MINIMUM DRY DENSITY OF 95% (A.S.T.M. D-1557). REFER TO PROJECT SPECIFICATIONS FOR SPECIFIC COMPACTION REQUIREMENTS.
7. THIS CONTRACT INTENDS TO HAVE CHANNEL AND ABUTMENTS AT WYOMING BLVD. CROSSING COMPLETE AS SOON AS POSSIBLE, SO THAT OTHERS MAY INSTALL BRIDGE DECK, REMOVE SHOOFLY, AND RETURN TRAFFIC TO WYOMING BLVD.
8. CONTRACTOR WILL COORDINATE WORK WITH WYOMING BLVD. BRIDGE CONTRACTOR AND WILL MAKE EVERY EFFORT TO HAVE ABUTMENTS COMPLETE, INCLUDING SLOPE PAVING, BY NOVEMBER 30, 1997.



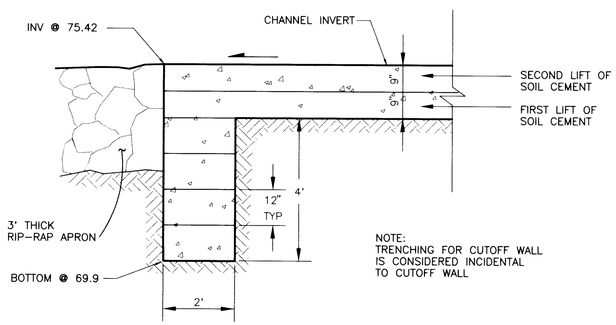
TYPICAL PIPE PENETRATION DETAIL

SCALE: 1"=4'



RIP-RAP APRON SECTION

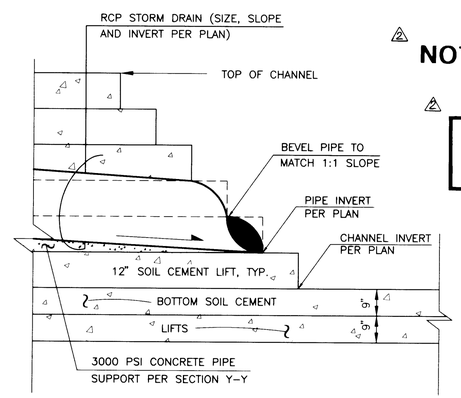
SCALE=1"=10'



NOTE:
TRENCHING FOR CUTOFF WALL IS CONSIDERED INCIDENTAL TO CUTOFF WALL

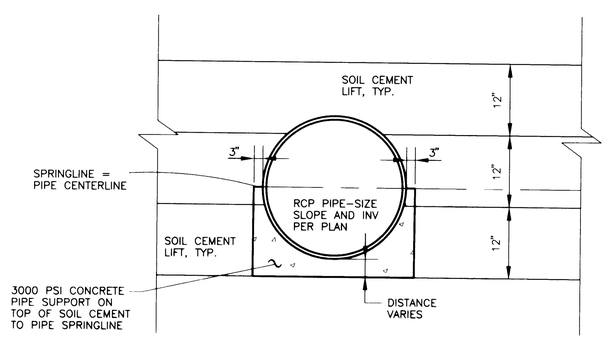
CUTOFF WALL SECTION

SCALE=1"=2'



SECTION X-X

SCALE=1"=2'



SECTION Y-Y

SCALE: 1"=1'-0"

NOT PART OF CITY WORK ORDER

RECORD DRAWING

940951

AS BUILT INFORMATION

CONTRACTOR
WORK 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

CITY OF ALBUQUERQUE BENCH MARK "HEAVEN" - A STANDARD USC AND GS BRASS TABLET STAMPED "HEAVEN 1969", SET IN TOP OF A CONCRETE POST FLUSH WITH THE GROUND LOCATED AT THE ENTRANCE TO THE "GATE OF HEAVEN" CEMETERY 0.15 MILES WEST OF THE INTERSECTION OF PASEO DEL NORTE N.E. AND WYOMING BOULEVARD N.E. STATION IS ON THE SOUTH SIDE OF PASEO DEL NORTE.
ELEVATION = 5378.78 FEET (M.S.L.D.)

SURVEY INFORMATION

NO.	FIELD NOTES BY	DATE
940953	JMA	8/96

ENGINEER'S SEAL

JEFFREY C. MORTENSEN — NEW MEXICO — 7580 — REGISTERED PROFESSIONAL ENGINEER
08-13-97

RECORD DRAWING 01/98

NO.	DATE	REMARKS	BY
2		Revisions	G.M.
		DESIGN	

		Date
Designed By	G.M.	08-97
Drawn By	D.L.M.	08-97
Checked By	J.G.M.	08-97

jma — JEFF MORTENSEN & ASSOCIATES, INC.
6010-B MIDWAY PARK BLVD. N.E.
ALBUQUERQUE ☐ NEW MEXICO 87109
ENGINEERS ☐ SURVEYORS (505) 345-4250

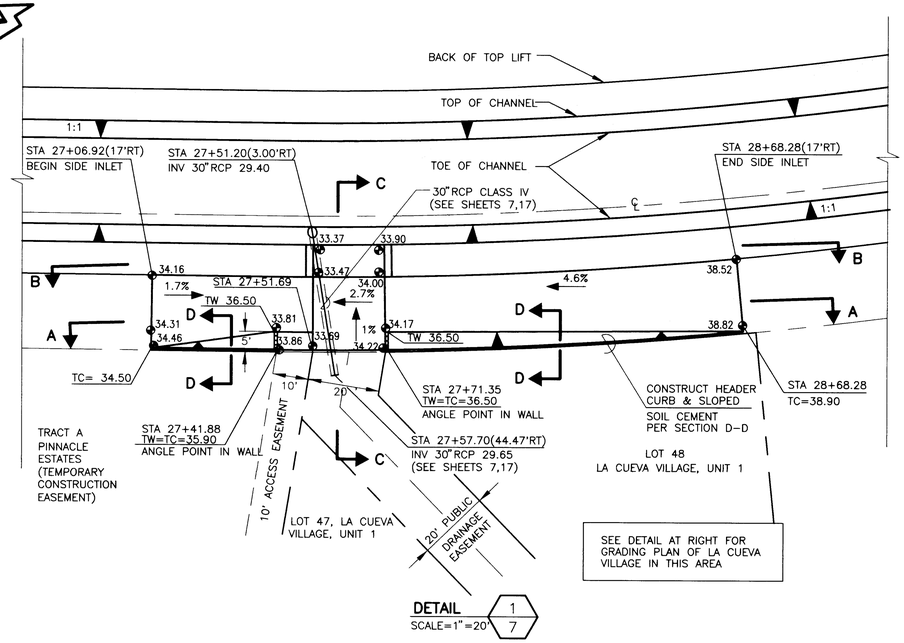
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: NORTH DOMINGO BACA ARROYO
WINDOW G SOIL CEMENT CHANNEL
CHANNEL OUTLET AND PIPE PENETRATION SECTIONS AND DETAILS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
SEP - 8				

City Project No.	Zone Map No.	Sheet	Of
572982	C-19	17	27

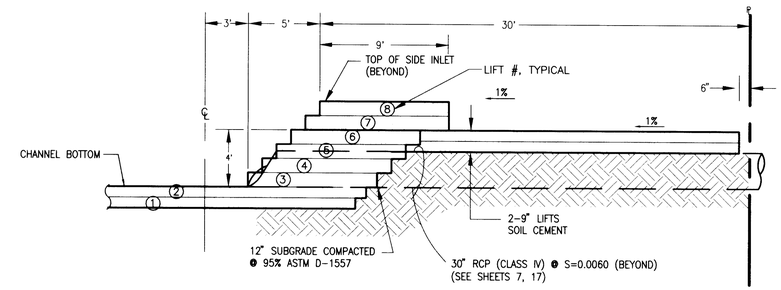
970625



DETAIL 1/7
SCALE=1"=20'

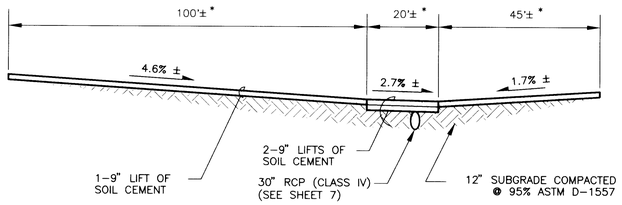
NOTE:

PIPE PENETRATION SHALL BE CONSTRUCTED PER DETAILS AND SECTIONS, SHEET 17



SIDE INLET SECTION C-C

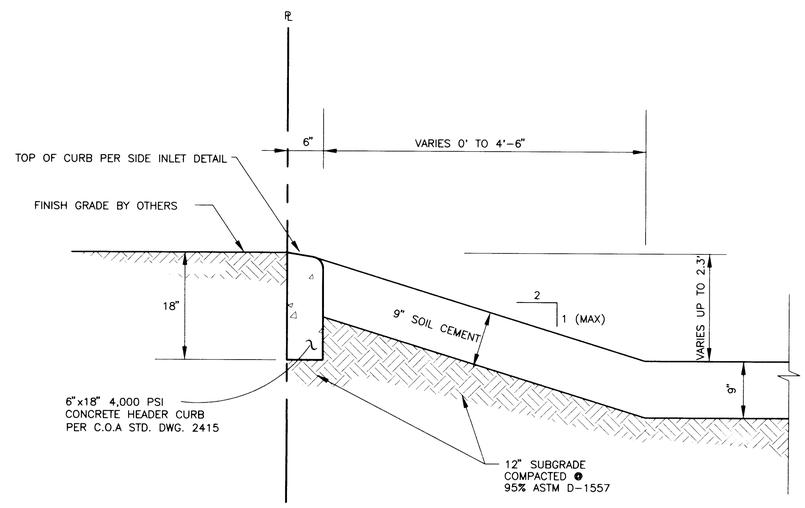
SCALE: 1" = 5'



SIDE INLET SECTION A-A

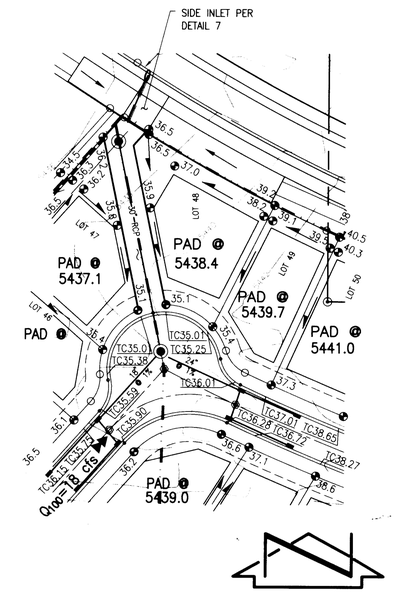
SCALE=1"=20' HORIZONTAL
SCALE=1"=10' VERTICAL

*DIMENSIONS VARY BECAUSE SIDE INLET IS RADIAL TO CHANNEL CENTERLINE. USE STATIONING FOR SIDE INLET LAY-OUT.



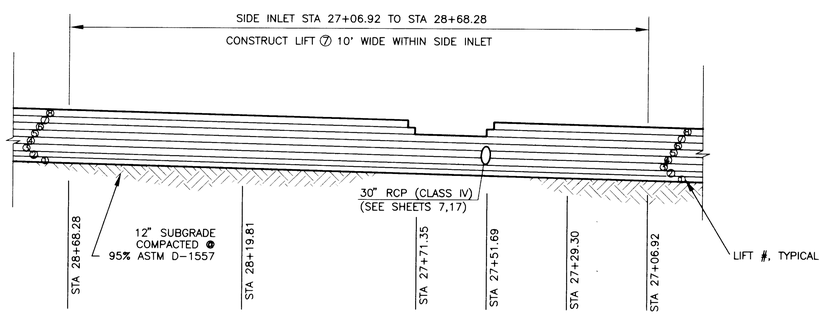
SECTION D-D

SCALE=1"=1'-0"



LA CUEVA VILLAGE GRADING PLAN DETAIL (FOR INFORMATION ONLY)

SCALE=1"=50'



SIDE INLET SECTION B-B

SCALE=1"=20' HORIZONTAL
SCALE=1"=10' VERTICAL

RECORD DRAWING

NOT PART OF CITY WORK ORDER

940951

970625

AS BUILT INFORMATION

CONTRACTOR	
WORK 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

CITY OF ALBUQUERQUE BENCH MARK "HEAVEN", A STANDARD USC AND GS BRASS TABLET STAMPED "HEAVEN 1969", SET IN TOP OF A CONCRETE POST FLUSH WITH THE GROUND LOCATED AT THE ENTRANCE TO THE "GATE OF HEAVEN" CEMETERY 0.15 MILES WEST OF THE INTERSECTION OF PASEO DEL NORTE N.E. AND WYOMING BOULEVARD N.E. STATION IS ON THE SOUTH SIDE OF PASEO DEL NORTE. ELEVATION = 5378.78 FEET (M.S.L.D.)

SURVEY INFORMATION

FIELD NOTES		
NO.	BY	DATE
940953	JMA	8/96

ENGINEER'S SEAL

JEFF G. MORTENSEN NEW MEXICO 8947 REGISTERED PROFESSIONAL ENGINEER
08/13/97

RECORD DRAWING

NO.	DATE	REMARKS	BY
1	01/98	Revisions	G.M.

Designed By	G.M	Date 04-97
Drawn By	DLM	Date 04-97
Checked By	J.G.M.	Date 08-97

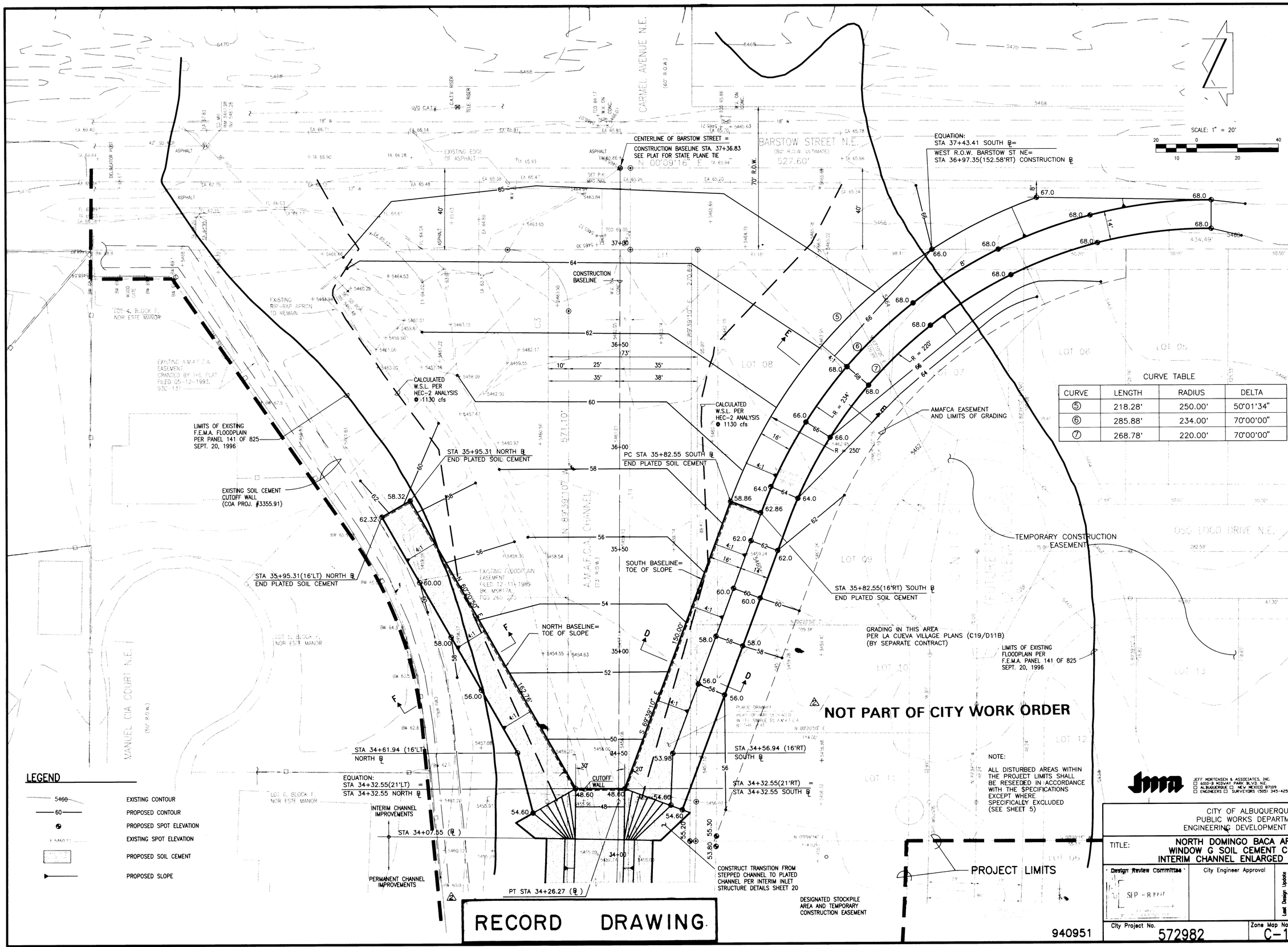
JEFF MORTENSEN & ASSOCIATES, INC.
6010-B MIDWAY PARK BLVD. NE.
ALBUQUERQUE, NEW MEXICO 87109
ENGINEERS SURVEYORS (505) 345-4250

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: NORTH DOMINGO BACA ARROYO
WINDOW G SOIL CEMENT CHANNEL
SIDE INLET SECTIONS AND DETAILS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
SEP - 8 1997				

City Project No.	Zone Map No.	Sheet	Of
572982	C-19	18	27



CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA
⑤	218.28'	250.00'	50°01'34"
⑥	285.88'	234.00'	70°00'00"
⑦	268.78'	220.00'	70°00'00"

AS BUILT INFORMATION

CONTRACTOR | DATE
WORK 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

CITY OF ALBUQUERQUE BENCH MARK "HEAVEN", A STANDARD USC AND GS BRASS TABLET STAMPED "HEAVEN 1969", SET IN TOP OF A CONCRETE POST FLUSH WITH THE GROUND LOCATED AT THE ENTRANCE TO THE "GATE OF HEAVEN" CEMETERY 0.15 MILES WEST OF THE INTERSECTION OF PASEO DEL NORTE N.E. AND WYOMING BOULEVARD N.E. STATION IS ON THE SOUTH SIDE OF PASEO DEL NORTE.
ELEVATION = 5378.78 FEET (M.S.L.D.)

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
940953	JMA	8/96

ENGINEER'S SEAL

JEFFREY G. MORTENSEN NEW MEXICO 8547 PROFESSIONAL ENGINEER REGISTERED
08-13-97

G.M.

RECORD DRAWING

NO.	DATE	REMARKS	BY
1	01/98	Revisions	

DESIGN

		Date
Designed By	G.M.	04-97
Drawn By	D.L.M.	04-97
Checked By	J.G.M.	08-97

JEFF MORTENSEN & ASSOCIATES, INC.
6010-B MIDWAY PARK BLVD. N.E.
ALBUQUERQUE ☐ NEW MEXICO 87109
ENGINEERS ☐ SURVEYORS (505) 345-4250

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: NORTH DOMINGO BACA ARROYO
WINDOW G SOIL CEMENT CHANNEL
INTERIM CHANNEL ENLARGED SITE PLAN

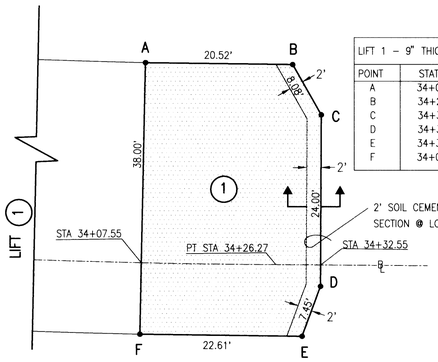
Design Review Committee | City Engineer Approval | Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

SEP - 8 1997

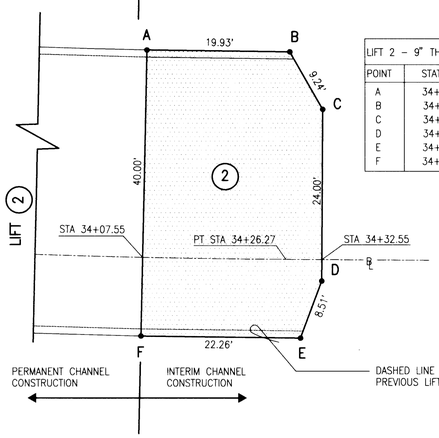
City Project No. 572982 | Zone Map No. C-19 | Sheet 19 Of 27

NOTE: STATIONING SHOWN HEREON IS BASED UPON CONSTRUCTION BASELINE UNLESS OTHERWISE NOTED

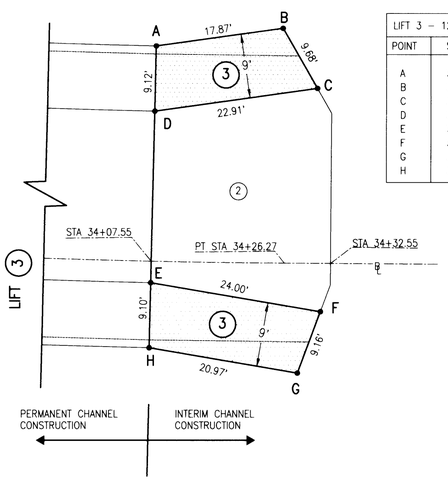
ELEVATIONS SHOWN HEREON ARE MEASURED TO TOP OF LIFT (FINISH GRADE)



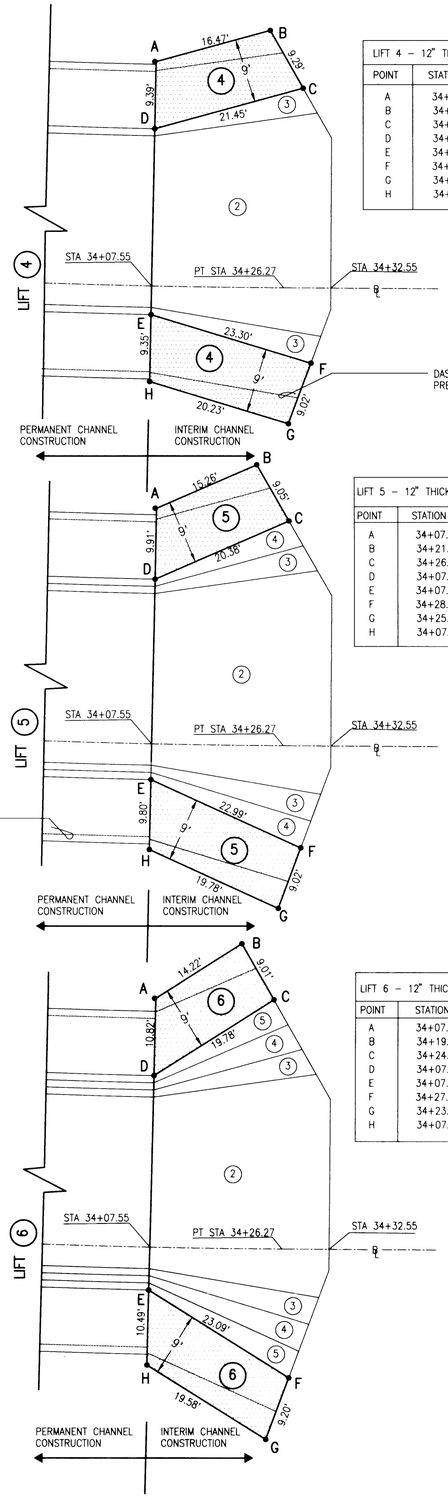
LIFT 1 – 9" THICKNESS			
POINT	STATION	OFFSET	ELEVATION
A	34+07.55	28.00' LT	5446.35
B	34+28.51	28.00' LT	5447.85
C	34+32.55	21.00' LT	5447.85
D	34+32.55	3.00' RT	5447.85
E	34+30.00	10.00' RT	5447.85
F	34+07.55	10.00' RT	5446.35



LIFT 2 – 9" THICKNESS			
POINT	STATION	OFFSET	ELEVATION
A	34+07.55	29.00' LT	5447.10
B	34+27.93	29.00' LT	5448.60
C	34+32.55	21.00' LT	5448.60
D	34+32.55	3.00' RT	5448.60
E	34+29.64	11.00' RT	5448.60
F	34+07.55	11.00' RT	5447.10



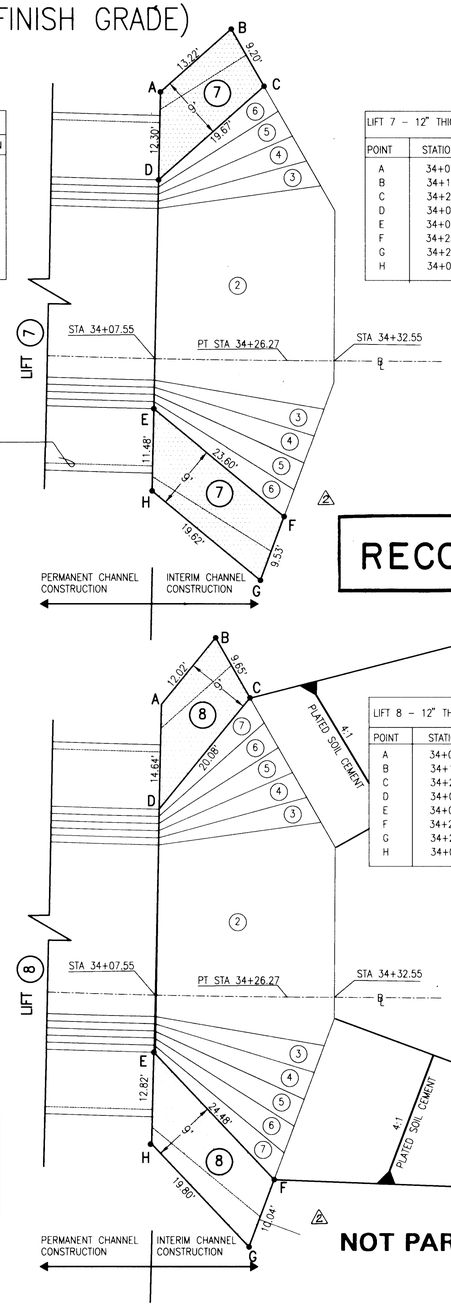
LIFT 3 – 12" THICKNESS			
POINT	STATION	OFFSET	ELEVATION
A	34+07.55	30.12' LT	5448.10
B	34+25.69	32.85' LT	5449.60
C	34+30.55	24.46' LT	5449.60
D	34+07.55	21.00' LT	5448.10
E	34+07.55	3.00' RT	5448.10
F	34+31.18	6.76' RT	5449.60
G	34+28.05	15.36' RT	5449.60
H	34+07.55	12.10' RT	5448.10



LIFT 4 – 12" THICKNESS			
POINT	STATION	OFFSET	ELEVATION
A	34+07.55	31.38' LT	5449.10
B	34+23.83	35.97' LT	5450.60
C	34+28.55	27.93' LT	5450.60
D	34+07.55	22.00' LT	5449.10
E	34+07.55	4.00' RT	5449.10
F	34+29.81	10.52' RT	5450.60
G	34+26.73	18.99' RT	5450.60
H	34+07.55	13.35' RT	5449.10

LIFT 5 – 12" THICKNESS			
POINT	STATION	OFFSET	ELEVATION
A	34+07.55	32.91' LT	5450.10
B	34+21.88	39.22' LT	5451.60
C	34+26.55	31.39' LT	5451.60
D	34+07.55	23.00' LT	5450.10
E	34+07.55	5.00' RT	5450.10
F	34+28.45	14.28' RT	5451.60
G	34+25.38	22.76' RT	5451.60
H	34+07.55	14.80' RT	5450.10

LIFT 6 – 12" THICKNESS			
POINT	STATION	OFFSET	ELEVATION
A	34+07.55	34.82' LT	5451.10
B	34+19.82	42.64' LT	5452.60
C	34+24.50	34.86' LT	5452.60
D	34+07.55	24.00' LT	5451.10
E	34+07.55	6.00' RT	5451.10
F	34+27.08	18.04' RT	5452.60
G	34+23.98	26.68' RT	5452.60
H	34+07.55	16.49' RT	5451.10



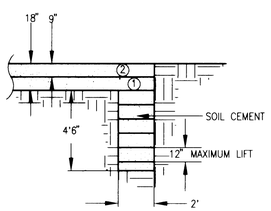
LIFT 7 – 12" THICKNESS			
POINT	STATION	OFFSET	ELEVATION
A	34+07.55	37.30' LT	5452.10
B	34+17.62	46.26' LT	5453.60
C	34+22.43	38.31' LT	5453.60
D	34+07.55	25.00' LT	5452.10
E	34+07.55	7.00' RT	5452.10
F	34+25.72	21.79' RT	5453.60
G	34+22.54	30.76' RT	5453.60
H	34+07.55	18.48' RT	5452.10

LIFT 8 – 12" THICKNESS			
POINT	STATION	OFFSET	ELEVATION
A	34+07.55	40.64' LT	5453.10
B	34+15.27	50.09' LT	5454.60
C	34+20.34	41.77' LT	5454.60
D	34+07.55	26.00' LT	5453.10
E	34+07.55	8.00' RT	5453.10
F	34+24.38	25.55' RT	5454.60
G	34+21.06	35.00' RT	5454.60
H	34+07.55	20.82' RT	5453.10

RECORD DRAWING

NOT PART OF CITY WORK ORDER

SCALE: 1" = 10'



CUTOFF WALL SECTION (STA 34+32.55)

SCALE: 1"=4'

940951

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

CITY OF ALBUQUERQUE BENCH MARK "HEAVEN". A STANDARD USC AND GS BRASS TABLET STAMPED "HEAVEN 1969", SET IN TOP OF A CONCRETE POST FLUSH WITH THE GROUND LOCATED AT THE ENTRANCE TO THE "GATE OF HEAVEN" CEMETERY 0.15 MILES WEST OF THE INTERSECTION OF PASEO DEL NORTE N.E. AND WYOMING BOULEVARD N.E. STATION IS ON THE SOUTH SIDE OF PASEO DEL NORTE. ELEVATION = 5378.78 FEET (M.S.L.D.)

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
940953	J.M.A.	8/96

ENGINEER'S SEAL

JEFFREY G. MORTENSEN NEW MEXICO 8547 LICENSED PROFESSIONAL ENGINEER 08-13-97

RECORD DRAWING 01/98 G.M.

NO.	DATE	REMARKS	BY
		Revisions	
		DESIGN	

Designed By	G.M.	Date 08-97
Drawn By	J.Y.R.	Date 08-97
Checked By	J.G.M.	Date 08-97

JMA JEFF MORTENSEN & ASSOCIATES, INC.
6000-B MIDVAR PARK BLVD. N.E.
ALBUQUERQUE, NEW MEXICO 87109
ENGINEERS SURVEYORS (505) 345-4250

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: NORTH DOMINGO BACA ARROYO
WINDOW G SOIL CEMENT CHANNEL
INTERIM INLET STRUCTURE DETAILS

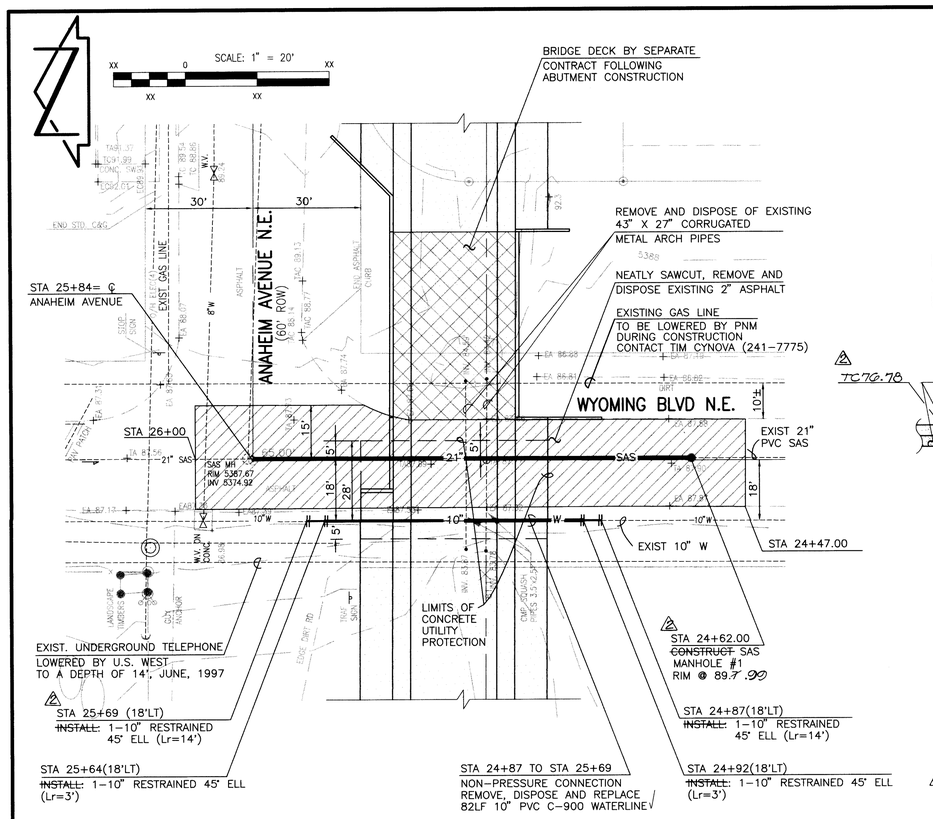
Design Review Committee: SEP - 8

City Engineer Approval

Last Design Update: No./Date/Yr. No./Date/Yr.

City Project No. 572982 | Zone Map No. C-19 | Sheet 20 Of 27

970625

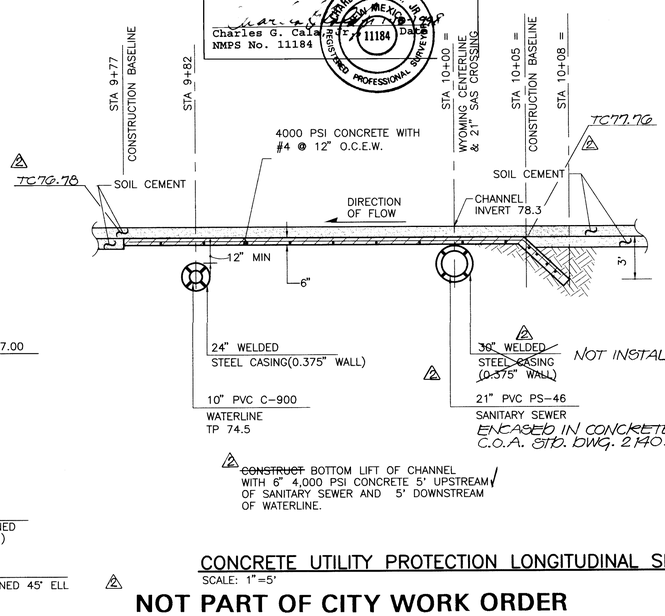


RECORD DRAWING

I, Charles G. Cala, Jr., Registered Professional Surveyor in the State of New Mexico, do hereby certify that this "as-built" information shown hereon was obtained by me or under my supervision and represents the "as-built" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.

Charles G. Cala, Jr. Date
NMPS No. 11184

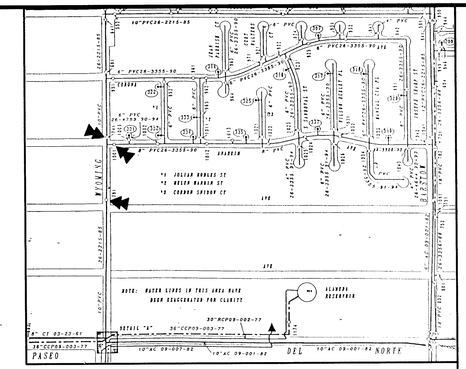
CHARLES G. CALA, JR. NEW MEXICO 11184 REGISTERED PROFESSIONAL SURVEYOR



CONCRETE UTILITY PROTECTION LONGITUDINAL SECTION

SCALE: 1"=5'

NOT PART OF CITY WORK ORDER



WATER VALVE SHUTOFF PLAN C-19

WATER VALVE SHUTOFF PLAN REQUIREMENTS:

1. AS A MINIMUM, THE FOLLOWING SHALL BE CLOSED TO FACILITATE THE PROPOSED CONNECTION:

   791, 741, 1001

2. THE CONTRACTOR SHALL NOTIFY WATER SYSTEMS FIVE (5) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT EXISTING WATERLINE; ALL SHUTOFFS SHALL BE PERFORMED BY THE WATER SYSTEM DIVISION PERSONNEL (857-8200).
3. THE CONTRACTOR SHALL PROVIDE ALL RESTRAINTS AND THRUST BLOCKS NECESSARY TO EFFECT THE NECESSARY SHUTOFFS AND CONNECTIONS.
4. EXISTING WATER VALVE AND WATERLINE INFORMATION OBTAINED FROM CITY OF ALBUQUERQUE FACILITIES MAP C-19.
5. AT THE TIME OF WATER SHUTOFF APPLICATION, THE CONTRACTOR SHALL REQUEST THAT THE WATER SYSTEM DIVISION NOTIFY ALL AFFECTED PROPERTY OWNERS AT LEAST 24 HOURS IN ADVANCE OF THE RESPECTIVE SHUTOFFS.

WATERLINE CONSTRUCTION NOTES:

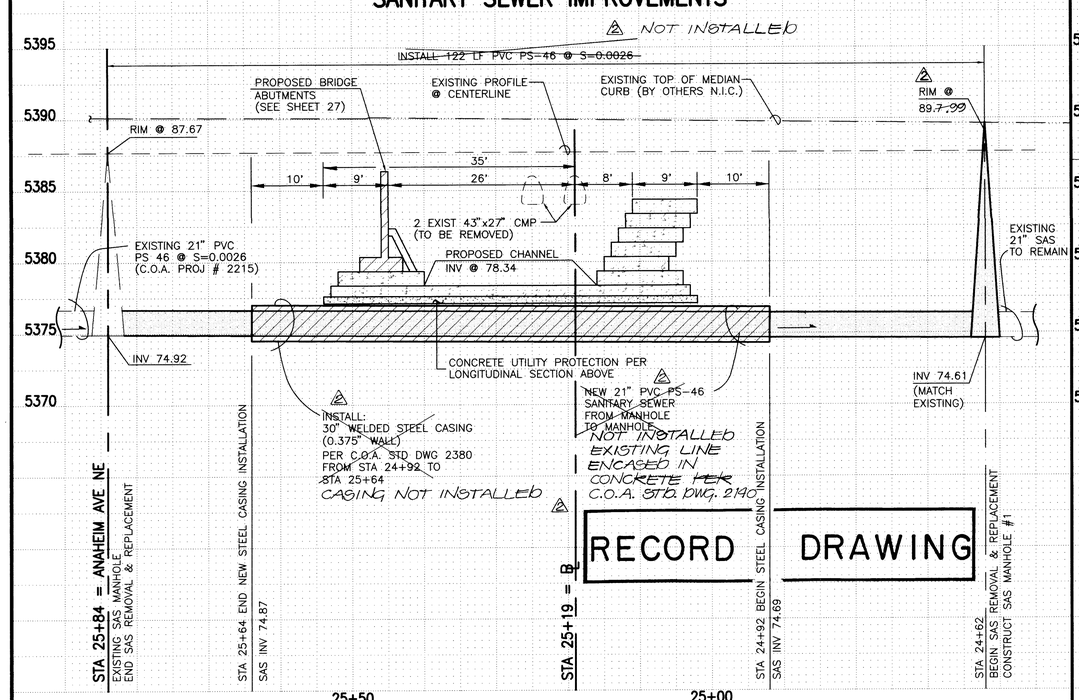
1. ALL STATIONING IS BASED ON STREET CENTERLINE UNLESS INDICATED OTHERWISE.
2. FOR ALL LINES 12" AND SMALLER, WATER MAIN SHALL BE PVC C-900 PIPE OR AS APPROVED BY THE CITY OF ALBUQUERQUE CITY ENGINEER. DUCTILE IRON IS AN ACCEPTABLE PIPE MATERIAL IN LIEU OF PVC.
3. FOR ALL LINES 14" AND LARGER, WATER MAIN SHALL BE DUCTILE IRON OR AS APPROVED BY THE CITY OF ALBUQUERQUE CITY ENGINEER. CONCRETE CYLINDER IS AN ACCEPTABLE PIPE MATERIAL IN LIEU OF DUCTILE IRON.
4. WATERLINE SHALL HAVE A MINIMUM COVER OF 4'0" (FINISHED GRADE TO TOP OF PIPE). EXTRA DEPTH TRENCHING, IF REQUIRED, SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
5. ELECTRONIC MARKER DISCS (EMD) SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARD SPECIFICATION.
6. IN ACCORDANCE WITH SECTION 801 OF THE "STANDARD SPECIFICATIONS", METALIZED DETECTABLE WARNING TAPE SHALL BE INSTALLED 18" ABOVE ALL PVC PIPE INSTALLED ON THIS PROJECT.
7. VALVE STEM AND FIRE HYDRANT EXTENSIONS SHALL BE PROVIDED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. THE COST OF EACH EXTENSION SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION THEREFORE NO SEPARATE PAYMENT WILL BE MADE.
8. JOINT RESTRAINT SHALL BE CONSIDERED INCIDENTAL TO WATERLINE CONSTRUCTION THEREFORE NO SEPARATE PAYMENT WILL BE MADE.
9. JOINT RESTRAINT SHALL BE PROVIDED ON ALL JOINTS OF FIRE HYDRANT LEGS FROM TEE TO FIRE HYDRANT INCLUDING THE TEE AND FIRE HYDRANT.
10. FOR THE PURPOSES OF THIS PROJECT, ALL RESTRAINED JOINTS AND JOINT RESTRAINT SHALL BE MECHANICALLY RESTRAINED.

SANITARY SEWER CONSTRUCTION NOTES:

1. ALL STATIONING IS BASED ON STREET CENTERLINE UNLESS INDICATED OTHERWISE.
2. ALL SEWER PIPE SHALL BE PVC (PS-46).
3. SLOPES SHOWN ON THE PROFILES ARE BASED ON TRUE DISTANCES.
4. ALL MANHOLES SHALL BE FOUR-FOOT DIAMETER TYPE 'E' AS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2102 UNLESS OTHERWISE NOTED. MANHOLE STEPS SHALL BE DELETED FROM THIS CONTRACT.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SELECTING APPROPRIATE MEANS AND METHODS TO EXCAVATE AND TRENCH AND INSTALL PIPE SO AS TO NOT EXCEED RIGHT-OF-WAY OR EASEMENT LIMITS, AND SO AS NOT TO INTERFERE WITH OTHER UTILITIES. THIS SHALL BE CONSIDERED INCIDENTAL TO TRENCHING, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, SUPPORTING AND REPLACING, IF DAMAGED, ALL OTHER UTILITIES ENCOUNTERED DURING CONSTRUCTION. THIS SHALL BE CONSIDERED INCIDENTAL TO TRENCHING,
7. WHERE WATER AND SANITARY SEWER LINES CROSS, THE SANITARY SEWER LINE SHALL BE INSTALLED AS PRESSURE PIPE BETWEEN MANHOLES IF 18 INCHES OF VERTICAL SEPARATION DOES NOT EXIST. THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.

PROFILE @ WYOMING CENTERLINE

SANITARY SEWER IMPROVEMENTS

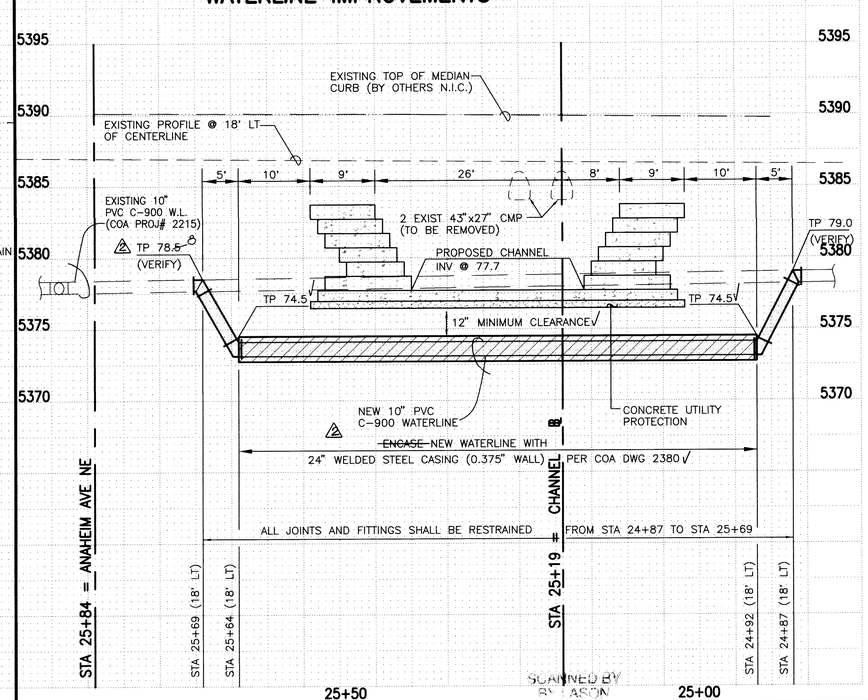


RECORD DRAWING

PROFILE @ 18' LT OF WYOMING CENTERLINE

SCALE:
HORIZONTAL: 1" = 10'
VERTICAL: 1" = 5'

WATERLINE IMPROVEMENTS



SCANNED BY BY LASON

940951

SURVEY INFORMATION		
FIELD NOTES		
NO.	BY	DATE
940953	JMA	8/96

BENCH MARKS		
CITY OF ALBUQUERQUE BENCH MARK "HEAVEN", A STANDARD USC AND GS BRASS TABLET STAMPED "HEAVEN 1969", SET IN TOP OF A CONCRETE POST FLUSH WITH THE GROUND LOCATED AT THE ENTRANCE TO THE "GATE OF HEAVEN" CEMETERY 0.15 MILES WEST OF THE INTERSECTION OF PASEO DEL NORTE N.E. AND WYOMING BOULEVARD N.E. STATION IS ON THE SOUTH SIDE OF PASEO DEL NORTE. ELEVATION = 5378.78 FEET (M.S.L.D.)		

AS BUILT INFORMATION		
CONTRACTOR	M.K. TAFOYA	DATE 10/97
STAKED BY	J.M.A.	DATE 01/98
INSPECTOR'S FIELD CHANGE BY	A.M.H.CA	DATE 01/98
VERIFICATION BY	J.M.A.	DATE 01/98
CORRECTED BY	J.M.A.	DATE 01/98
MICRO-FILM INFORMATION		
RECORDED BY		DATE
NO.		

ENGINEER'S SEAL: NEIL JEFFERY MORTENSEN, NEW MEXICO 8547, REGISTERED PROFESSIONAL ENGINEER — 08-13-97

NO.	DATE	REMARKS	BY
1	01/98	AS-BUILT & CERTIFY	G.M.
		Revisions	
		DESIGN	

Designed By G.M. Date 05-97
Drawn By D.L.M. Date 05-97
Checked By J.C.M. Date 08-97

JEFF MORTENSEN & ASSOCIATES, INC.
6010-B MIDWAY PARK BLVD. N.E.
ALBUQUERQUE NEW MEXICO 87109
ENGINEERS SURVEYORS (505) 345-4250

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: NORTH DOMINGO BACA ARROYO
WINDOW G SOIL CEMENT CHANNEL
WATER AND SANITARY SEWER IMPROVEMENTS

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

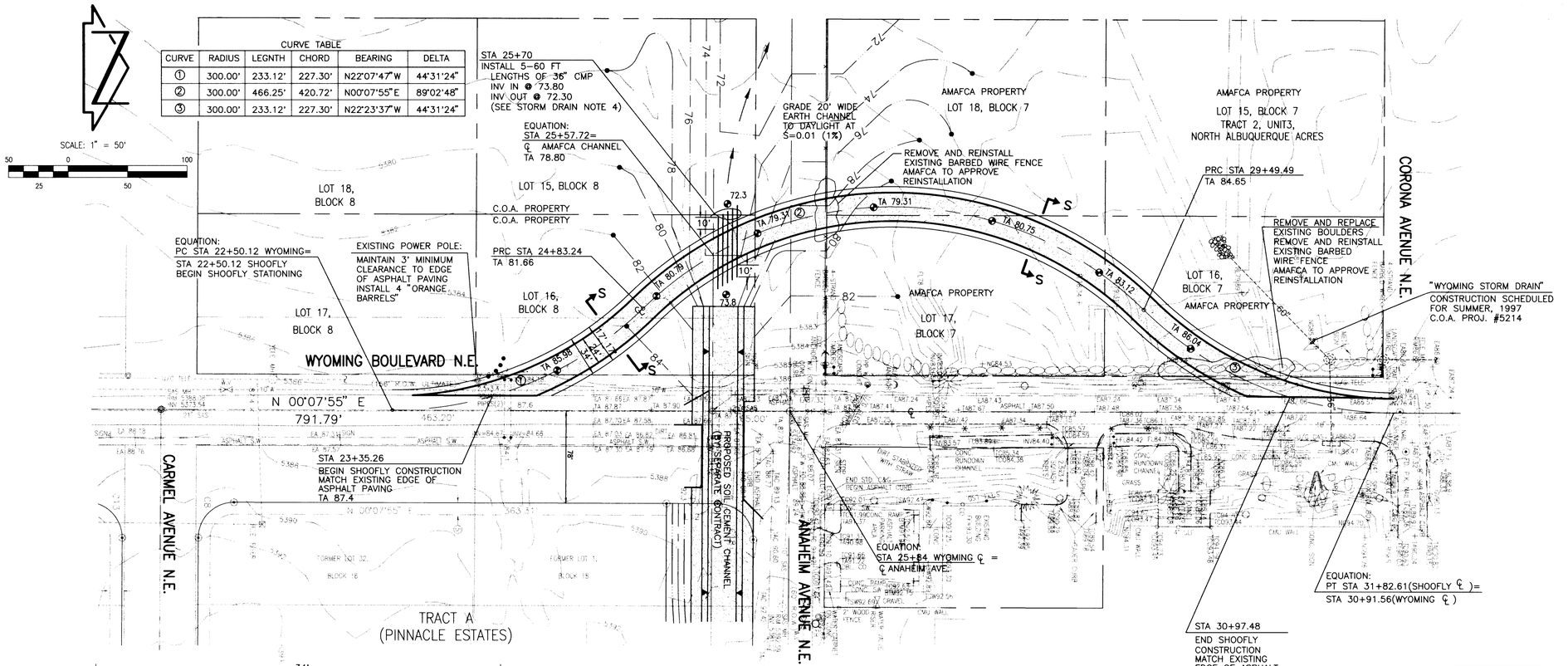
City Project No. 572982 | Zone Map No. C-19 | Sheet 21 Of 27

970625

C:\DATA\ACAD\DWG\940951\940951WS Thu Aug 14 08:56:57 1997 -DLM

CURVE TABLE					
CURVE	RADIUS	LEGNTH	CHORD	BEARING	DELTA
①	300.00'	233.12'	227.30'	N22°07'47"W	44°31'24"
②	300.00'	466.25'	420.72'	N00°07'55"E	89°02'48"
③	300.00'	233.12'	227.30'	N22°23'37"W	44°31'24"

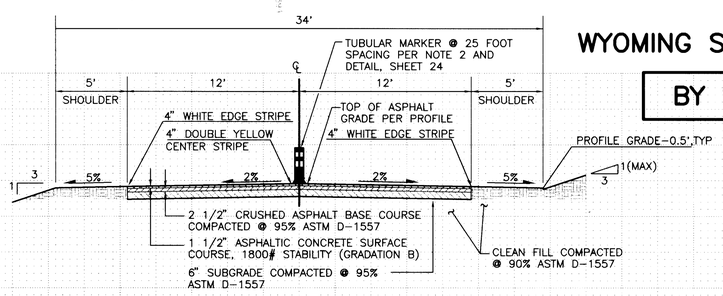
SCALE: 1" = 50'



WYOMING SHOOFLY (FOR INFORMATION ONLY)

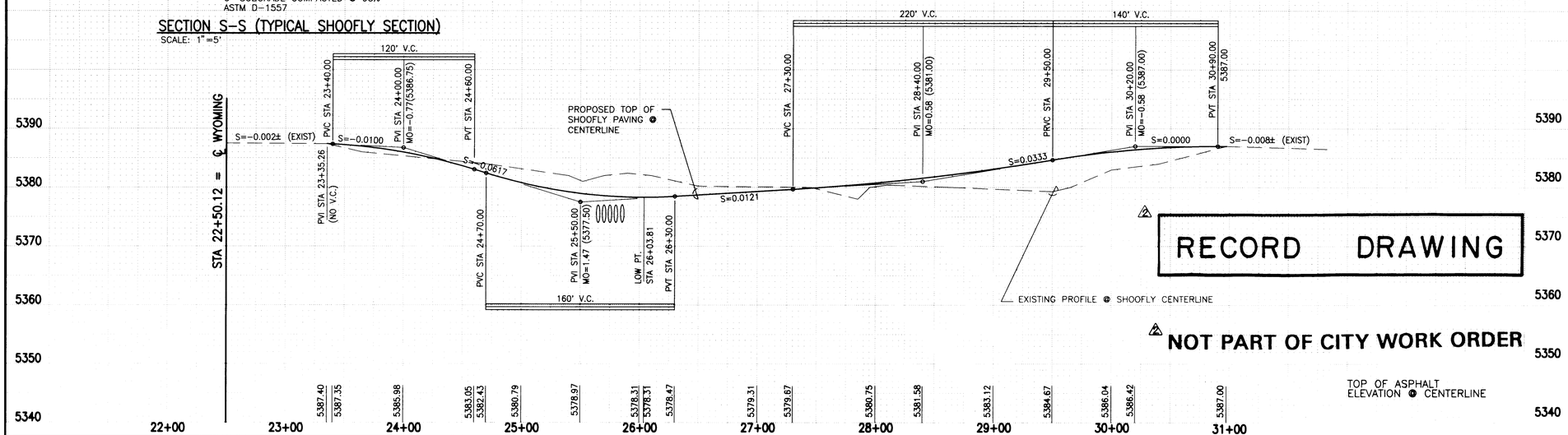
BY SEPARATE CONTRACT—N.I.C.

SCALE:
HORIZONTAL: 1" = 50'
VERTICAL: 1" = 10'



SECTION S-S (TYPICAL SHOOFLY SECTION)

SCALE: 1"=5'



RECORD DRAWING

NOT PART OF CITY WORK ORDER

TOP OF ASPHALT ELEVATION @ CENTERLINE

STREET PAVING IMPROVEMENTS:

1. ALL SLOPES AS SHOWN ON PROFILES ARE BASED ON STREET CENTERLINE
2. WHERE REMOVAL OF EXISTING CURB AND GUTTER, SIDEWALK OR PAVEMENT IS REQUIRED, THE CONTRACTOR SHALL SAWCUT AND/OR REMOVE TO THE NEAREST JOINT. CURB AND GUTTER SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THIS CONTRACT WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
3. ALL DIMENSIONS OF PAVING ARE SHOWN TO EDGE-OF-PAVING.
4. UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE TRAFFIC CONTROL PLANS, SHEETS 24-26.

STORM DRAIN NOTES:

1. ALL STORM DRAIN TO BE CORRUGATED METAL PIPE (CMP) UNLESS OTHERWISE NOTED.
2. ALL MANHOLES SHALL BE 6' DIAMETER TYPE 'C' PER C.O.A. STANDARD DRAWING 2101 UNLESS OTHERWISE NOTED.
3. ALL STATIONING IS BASED ON SHOOFLY CENTERLINE UNLESS OTHERWISE NOTED. SLOPES ARE BASED ON TRUE LENGTH OF PIPE.
4. USED OR SALVAGED PIPE MAY BE INSTALLED WITH PRIOR APPROVAL OF THE ENGINEER. ALTERNATE QUANTITY AND SIZE OF PIPES MAY BE SUBSTITUTED PROVIDED EQUAL CAPACITY IS PROVIDED. ALL SUBSTITUTIONS MUST BE APPROVED IN WRITING BY THE ENGINEER PRIOR TO INSTALLATION.

HYDRAULIC CALCULATIONS:

Q_{10} =240 cfs
D=36"=3'-0"
INV 36" CMP=73.80
LOW POINT IN ROAD=78.31
HW=78.31-74.00=4.51 FT
HW/D=4.51/3.00=1.50
USING STEEL HANDBOOK F.H.W.A. HEC-5 NOMOGRAPH,
Q_{36} = 50cfs x 5 PIPES=250cfs > Q_{10}

AS BUILT INFORMATION

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

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

BENCH MARKS

CITY OF ALBUQUERQUE BENCH MARK "HEAVEN", A STANDARD USC AND GS BRASS TABLET STAMPED "HEAVEN 1969" SET IN TOP OF A CONCRETE POST FLUSH WITH THE GROUND LOCATED AT THE ENTRANCE TO THE "GATE OF HEAVEN" CEMETERY 0.15 MILES WEST OF THE INTERSECTION OF PASEO DEL NORTE N.E. AND WYOMING BOULEVARD N.E. STATION IS ON THE SOUTH SIDE OF PASEO DEL NORTE.
ELEVATION = 5378.78 FEET (M.S.L.D.)

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
940951	JMA	10/94
970011	JMA	3/97
N/A	K & P/RTI	5/90

ENGINEER'S SEAL

JEFFREY G. MORTENSEN — NEW MEXICO 5347 — REGISTERED PROFESSIONAL ENGINEER
07-18-97

RECORD DRAWING

NO.	DATE	REMARKS	BY
1	01/98	Revisions	G.M

DESIGN

		Date
Designed By	G.M	08-97
Drawn By	D.L.M.	08-97
Checked By	J.G.M.	08-97

JEFF MORTENSEN & ASSOCIATES, INC.
6010-B MIDWAY PARK BLVD. N.E.
ALBUQUERQUE NEW MEXICO 87109
ENGINEERS SURVEYORS (505) 345-4250

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: NORTH DOMINGO BACA ARROYO
WINDOW G SOIL CEMENT CHANNEL
LA CUEVA VILLAGE SHOOFLY (BY SEPARATE CONTRACT)

Design Review Committee — APPROVED SEP - 8 1997 DESIGN REVIEW COMMITTEE
City Engineer Approval
Last Design Update — Yr./Mo./Yr.

City Project No.	Zone Map No.	Sheet	Of
572982	C-19	23	27

940951

970625

NOTE: TOPOGRAPHIC DATA WEST OF WYOMING BLVD. N.E. SHOWN HEREON TAKEN FROM "ORTHOPHOTO/TOPOGRAPHIC MAP OF DOMINGO BACA ARROYO DRAINAGE, MAY, 1990, MAP C-19" BY R.T.I. AND K & P.

PROJECT NOTES:

1. TEMPORARY SHOOFLY (SHEET 23) WILL DIVERT WYOMING TRAFFIC AROUND CONSTRUCTION AREA DURING CHANNEL PROJECT DURATION AND WYOMING BOULEVARD IMPROVEMENTS CONSTRUCTION. WYOMING IMPROVEMENTS AND CONSTRUCTION/REMOVAL OF SHOOFLY TO BE PERFORMED BY SEPARATE CONTRACT. SHOOFLY TO BE IN PLACE BY SEPTEMBER 15, 1997.
2. SHOOFLY SHALL BE CONSTRUCTED BY SEPARATE CONTRACT PRIOR TO SEPTEMBER 15, 1997.
3. SHOOFLY SHALL BE REMOVED BY SEPARATE CONTRACT FOLLOWING COMPLETION OF WYOMING BOULEVARD IMPROVEMENTS.
4. RIP-RAP APRON (SHEET 17) SHALL BE CONSTRUCTED IMMEDIATELY FOLLOWING REMOVAL OF SHOOFLY. IF SHOOFLY IS NOT REMOVED BEFORE 30 DAYS PRIOR TO PROJECT COMPLETION DATE, CONTRACTOR SHALL PROVIDE AND STOCKPILE RIP-RAP AT PROJECT MANAGER'S DIRECTION IN LIEU OF INSTALLATION. NO CHANGE IN CONTRACT IN CONTRACT PRICE SHALL BE MADE.
5. FINAL OUTLET GRADING (SHEET 22) SHALL BE PERFORMED AND COMPLETED AFTER REMOVAL OF SHOOFLY. IF SHOOFLY IS NOT REMOVED BEFORE 30 DAYS PRIOR TO PROJECT COMPLETION DATE, FINAL OUTLET GRADING SHALL BE DELETED FROM THE CONTRACT.
6. BECAUSE THIS PROJECT LIES WITHIN EXISTING FLOODPLAIN, ALL FILL SHALL BE COMPACTED TO A MINIMUM DRY DENSITY OF 95% (A.S.T.M. D-1557). REFER TO PROJECT SPECIFICATIONS FOR SPECIFIC COMPACTION REQUIREMENTS.
7. STATIONING SHOWN HEREON IS BASED UPON CONSTRUCTION BASELINE AS SHOWN.

GRADING AND STORM DRAIN SHOWN ON LOTS 14-16 FROM "WYOMING STORM DRAIN", PROJECT # 5214. PROJECT TO BE CONSTRUCTED SUMMER, 1997.

AMAFCA PROPERTY

EXISTING SHOOFLY BY SEPARATE CONTRACT

PAY LIMITS FOR GRADING AND RESEEDING

REMOVE AND REINSTALL EXISTING BARBED WIRE FENCE (APPROX. 630 L.F.)

CONSTRUCTION BASELINE

STA 2+90 · STA 3+60 · STA 4+40 · STA 5+65 · STA 6+70 · STA 7+15 · STA 7+55 · STA 7+90 · STA 8+25 · STA 8+65 · STA 9+00

S 89°39'24" E

60' ROW

END OF PROJECT STA 2+60

8' MINIMUM TOP OF BERM WIDTH, TYP.

EXISTING FLOOD PLAIN (PER F.I.R.M. PANEL 141 OF 825, 9/20/1996)

EQUATION:
STA 25+84 WYOMING=
STA 10+00 ANAHEIM AVE

ANAHEIM AVENUE N.E. (60' R.O.W.)

SEE SHEET 17 FOR RIP-RAP APRON

SEE SHEET 27 FOR BRIDGE ABUTMENTS

GRADING IN THIS AREA TO OCCUR FOLLOWING SHOOFLY REMOVAL

CITY PROPERTY

WYOMING BOULEVARD N.E.

CARMEL AVENUE N.E.

LOT 10, BLOCK 7, TRACT 2, UNIT 3, NORTH ALBUQUERQUE ACRES

LOT 11, BLOCK 7 · LOT 12, BLOCK 7 · LOT 13, BLOCK 7 · LOT 14, BLOCK 7 · LOT 15, BLOCK 7 · LOT 16, BLOCK 7 · LOT 17, BLOCK 7 · LOT 18, BLOCK 7 · LOT 19, BLOCK 7 · LOT 20, BLOCK 7 · LOT 21, BLOCK 7 · LOT 22, BLOCK 7 · LOT 23, BLOCK 7

LOT 10, BLOCK 8, TRACT 2, UNIT 3, NORTH ALBUQUERQUE ACRES

LOT 11, BLOCK 8 · LOT 12, BLOCK 8 · LOT 13, BLOCK 8 · LOT 14, BLOCK 8 · LOT 15, BLOCK 8 · LOT 16, BLOCK 8 · LOT 17, BLOCK 8 · LOT 18, BLOCK 8 · LOT 19, BLOCK 8 · LOT 20, BLOCK 8 · LOT 21, BLOCK 8 · LOT 22, BLOCK 8 · LOT 23, BLOCK 8

RECORD DRAWING

SCALE: 1" = 50'

NOT PART OF CITY WORK ORDER

JEFF MORTENSEN & ASSOCIATES, INC.
6010-B MIDWAY PARK BLVD. N.E.
ALBUQUERQUE NEW MEXICO 87109
ENGINEERS SURVEYORS (505) 345-4250

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: NORTH DOMINGO BACA ARROYO
WINDOW G SOIL CEMENT CHANNEL
CHANNEL OUTLET GRADING

Design Review Committee · City Engineer Approval · Last Design Update

City Project No. 572982 · Zone Map No. C-19 · Sheet 22 Of 27

940951

970625

AS BUILT INFORMATION

CONTRACTOR · WORK STAKED BY · INSPECTOR ACCEPTANCE BY · FIELD VERIFICATION BY · DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY · DATE · NO.

BENCH MARKS

CITY OF ALBUQUERQUE BENCH MARK "HEAVEN", A STANDARD USC AND GS BRASS TABLET STAMPED "HEAVEN 1969", SET IN TOP OF A CONCRETE POST FLUSH WITH THE GROUND LOCATED AT THE ENTRANCE TO THE "GATE OF HEAVEN" CEMETERY 0.15 MILES WEST OF THE INTERSECTION OF PASEO DEL NORTE N.E. AND WYOMING BOULEVARD N.E. STATION IS ON THE SOUTH SIDE OF PASEO DEL NORTE. ELEVATION = 5378.78 FEET (M.S.L.D.)

SURVEY INFORMATION

FIELD NOTES		
NO.	BY	DATE
940951	JMA	10/94
970011	JMA	3/97
N/A	K & P/RTI	5/90

ENGINEER'S SEAL

JEFFREY G. MORTENSEN · NEW MEXICO · 8547 · PROFESSIONAL ENGINEER · REGISTERED

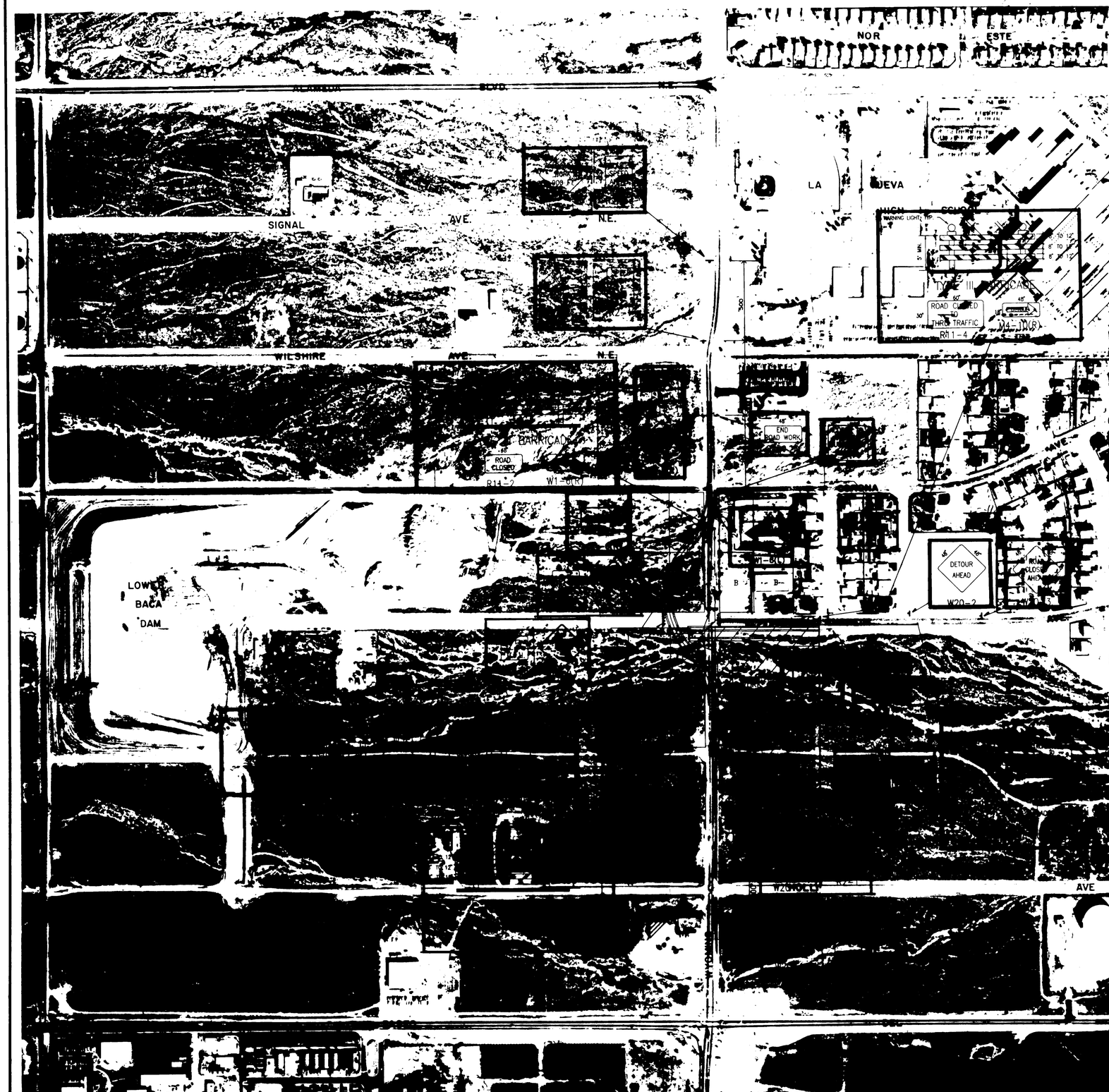
08-13-97

NO.	DATE	REMARKS	BY
1	01/98	RECORD DRAWING	G.M.

Revisions

DESIGN

		Date
Designed By	G.M.	08-97
Drawn By	D.L.M.	08-97
Checked By	J.G.M.	08-97

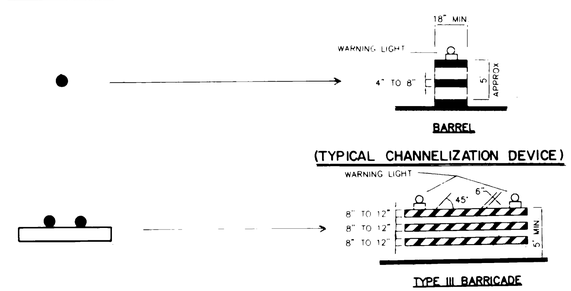


NOTES:

1. ALL CONFLICTING PAVEMENT MARKINGS MUST BE OBLITERATED PRIOR TO SHIFTING TRAFFIC.
2. TUBULAR MARKERS SHALL BE INSTALLED ON WYOMING DETOUR CENTERLINE AT 25 FOOT SPACING.
3. CONTRACTOR SHALL CONTACT AFFECTED BUSINESS OWNERS AND HOMES 24 HOURS PRIOR TO IMPLEMENTATION OF TRAFFIC CONTROL PLAN. REFER TO NOTE 19 ON THE FOLLOWING SHEET.
4. ALL ADVANCE WARNING SIGNS SHALL BE MOUNTED ON PERMANENT POSTS. REFER TO FIGURE VI-5, (URBAN DISTRICT), OF PART VI OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 1988 EDITION, REVISION 3, SEPTEMBER 3, 1993.
5. MUTCD REFERENCE DETAILS ARE TA-7 AND TA20, PART VI, MUTCD 1988 EDITION, REVISION 3, SEPTEMBER 3, 1993.
6. REFER TO SHEET 2 FOR TEMPORARY DETOUR (SHOOFLY) PLAN, PROFILE AND SECTION.

RECORD DRAWING

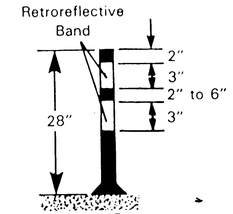
LEGEND



A → A.M.A.F.C.A. PROPERTY

B → LOCAL BUSINESS (CONTRACTOR TO PROVIDE ACCESS)

C → CITY OF ALBUQUERQUE PROPERTY



Night and/or Freeway
High Speed Roadway
(≥ 45 mph)

TUBULAR MARKER

FOR INFORMATION ONLY

CONSTRUCTION AND MAINTENANCE OF SHOOFLY AND T.C.P. BY OTHERS

N.I.C.

940951

JEFF MORTENSEN & ASSOCIATES, INC.
6000-B MIDWAY PARK BLVD. NE.
ALBUQUERQUE, NEW MEXICO 87109
ENGINEERS SURVEYORS (505) 345-4250

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: NORTH DOMINGO BACA ARROYO
LA CUEVA VILLAGE SHOOFLY
WYOMING BLVD. N.E. TRAFFIC CONTROL PLAN

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

City Project No. 572982 | Zone Map No. C-19 | Sheet 24 Of 27

AS BUILT INFORMATION

CONTRACTOR
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INSPECTOR ACCEPTANCE BY: DATE
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BENCH MARKS

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SURVEY INFORMATION

NO.	FIELD NOTES BY	DATE
940951	JMA	10/94

ENGINEER'S SEAL

JEFFREY G. MORTENSEN NEW MEXICO 8547 PROFESSIONAL ENGINEER REGISTERED

07-18-97

G.M.

NO.	DATE	REMARKS	BY
1	01/98	RECORD DRAWING	

Revisions

DESIGN

		Date
Designed By	GM	05-97
Drawn By	DLM	05-97
Checked By	JGM	05-97

970625

9409517C MON JUN 16 08:26:57 1997 -2.W

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.

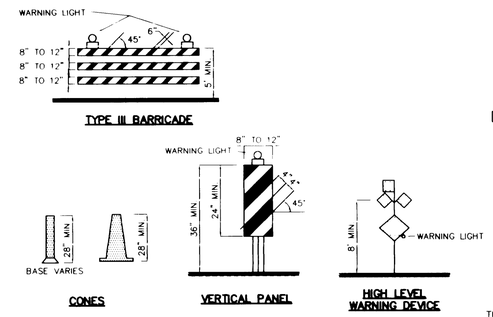
22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
    1. STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
    2. THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
    3. SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS 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.

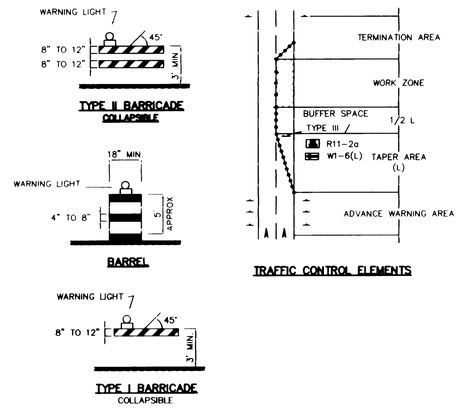
26. ADVANCE WARNING SIGNS SHALL BE 36"x36" WITH SUPER ENGINEERING GRADE SHEETING OR BETTER.



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.



TAPER REQUIREMENTS

SPEED LIMIT (MPH)	TAPER LENGTH (L) (FEET)			MINIMUM NUMBER OF DEVICES FOR TAPER	MAXIMUM DEVICE SPACING IN FEET	
	10' LANE	11' LANE	12' LANE		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

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
35-35	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 TAPER	100 FEET PER LANE

TAPER LENGTH COMPUTATION

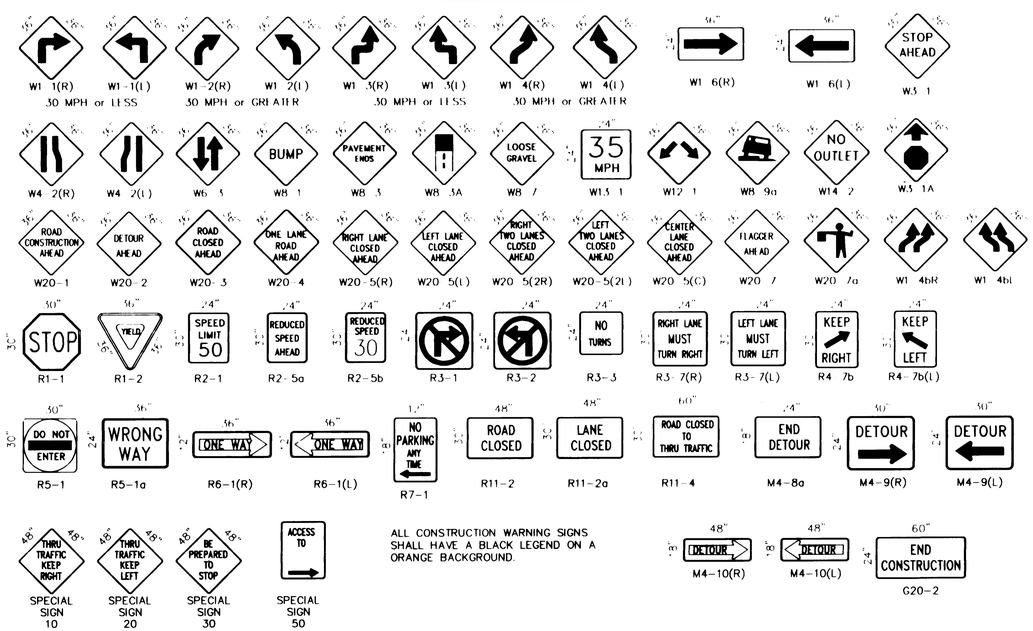
SPEED LIMIT

40 MPH OR LESS: $L = \frac{W S^2}{60}$

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.

RECORD DRAWING

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

BENCH MARKS
N/A

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL

NO.	DATE	REVISIONS	BY
1	01/98	RECORD DRAWING	GM

DESIGNED BY C.O.A. DATE
DRAWN BY C.O.A. STANDARDS DATE
CHECKED BY C.O.A. DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

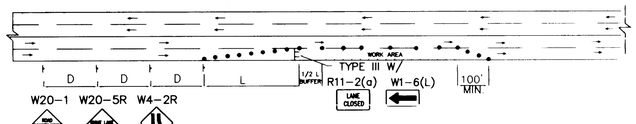
TITLE N.D.B. ARROYO-WINDOW G SOIL CEMENT CHANNEL
SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS

DESIGN REVIEW COMMITEE	CITY ENGINEER APPROVAL	LAST UPDATE	MO./DAY/YR	MO./DAY/YR

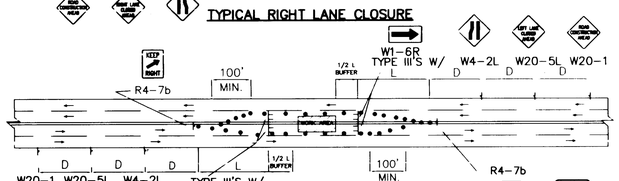
PROJECT NO 572982 | MAP NO C-19 | SHEET 25 OF 27

940951

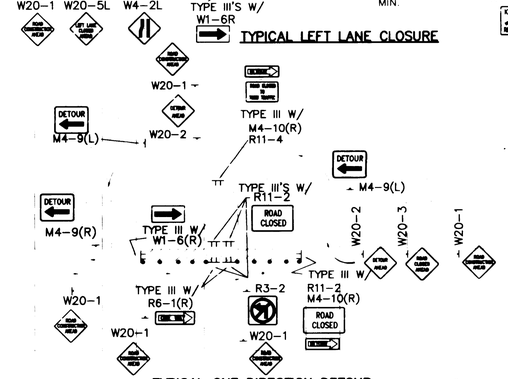
970628



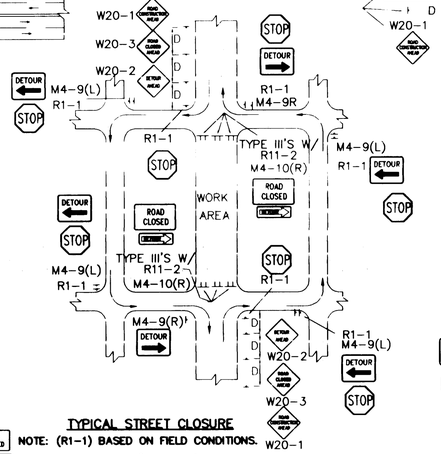
TYPICAL RIGHT LANE CLOSURE



TYPICAL LEFT LANE CLOSURE

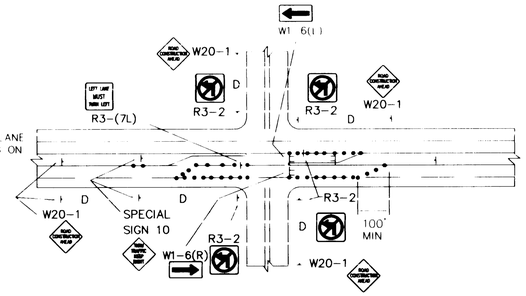


TYPICAL ONE DIRECTION DETOUR



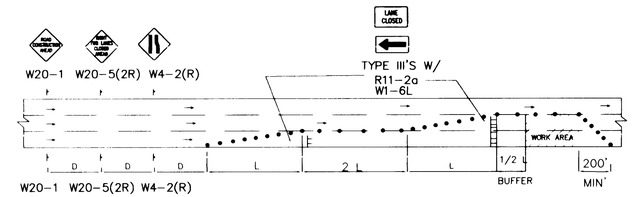
TYPICAL STREET CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.

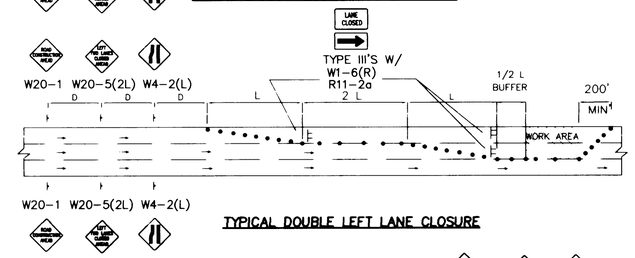


TYPICAL LANE CLOSURE AT INTERSECTION

NOTE: DEPENDING ON WORK ZONE LOCATION

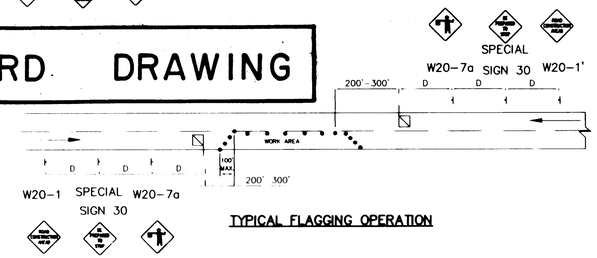


TYPICAL DOUBLE RIGHT LANE CLOSURE

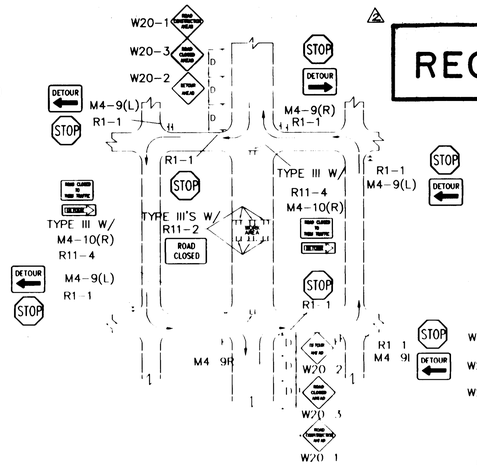


TYPICAL DOUBLE LEFT LANE CLOSURE

RECORD DRAWING

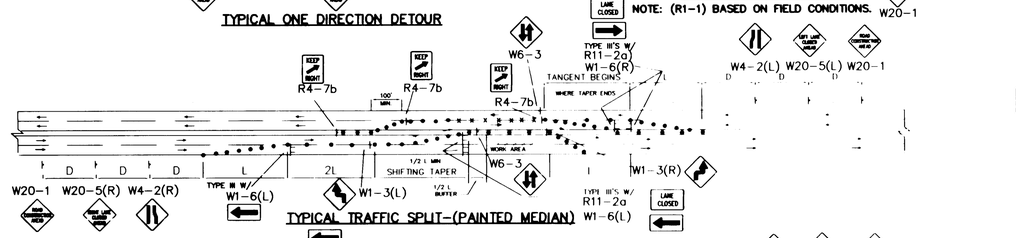


TYPICAL FLAGGING OPERATION

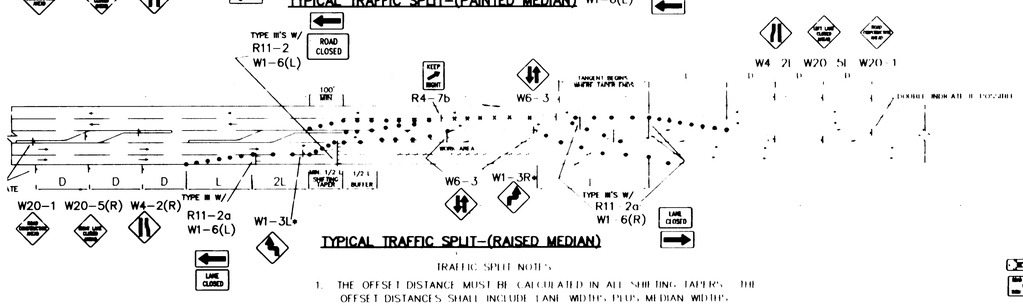


TYPICAL MID-BLOCK CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.



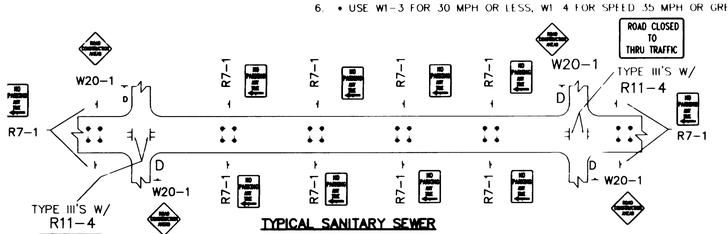
TYPICAL TRAFFIC SPLIT-(PAINTED MEDIAN)



TYPICAL TRAFFIC SPLIT-(RAISED MEDIAN)

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



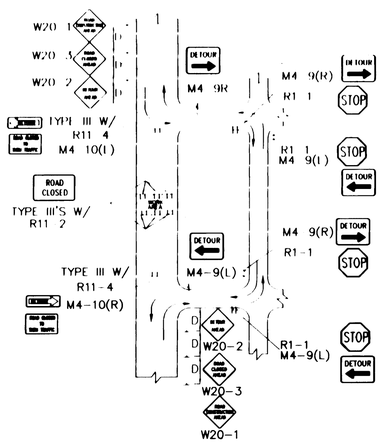
TYPICAL SANITARY SEWER
SUPLINING OPERATION

- ALL PITS TO HAVE TYPE-A FLASHING LIGHTS.
- ALL PITS TO HAVE FLAGLINE.

GENERAL NOTE:

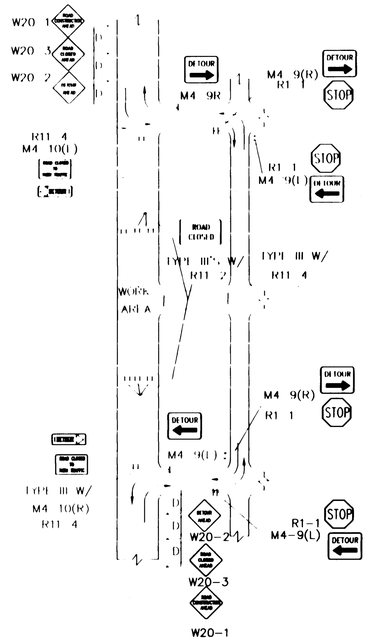
ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

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.



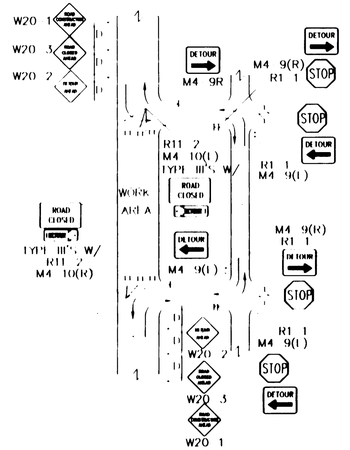
TYPICAL STREET CLOSURE

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.

AS BUILT INFORMATION

CONTRACTOR | DATE
WORK STAKED BY | DATE
INSPECTOR'S INITIALS | DATE
FIELD VERIFICATION BY | DATE
DRAWINGS CORRECTED BY | DATE
MICRO-FILM INFORMATION
RECORDED BY | DATE
NO.

BENCH MARKS
N/A

SURVEY INFORMATION

NO.	BY	DATE
	FIELD NOTES	

01/98 RECORDED DRAWING G.M.

NO.	DATE	REVISIONS
1		
2		
3		
4		

DESIGNED BY C.O.A. STANDARDS DATE
DRAWN BY C.O.A. DATE
CHECKED BY DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

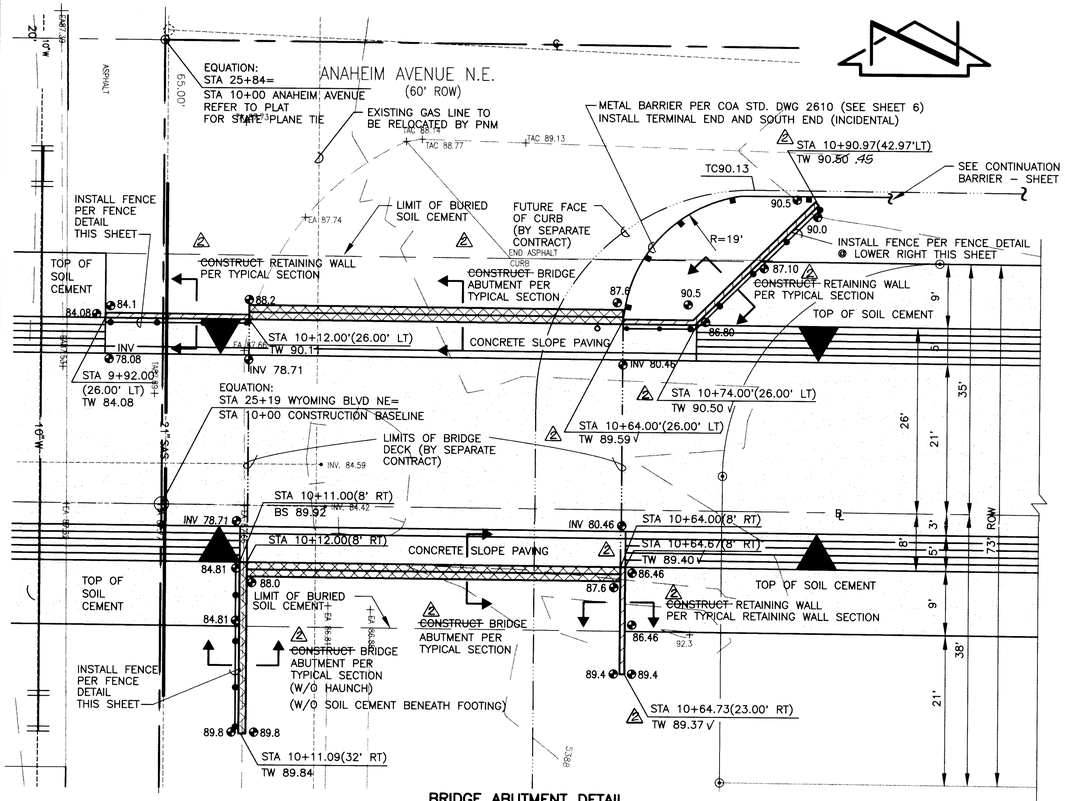
TITLE: N.D.B. ARROYO-WINDOW G SOIL CEMENT CHANNEL
TYPICAL TRAFFIC CONTROL &
SIGNING EXAMPLES (REF. M.U.T.C.D.)

DESIGN REVIEW COMMITEE	CITY ENGINEER APPROVAL	LAST UPDATE	MO./DAY/YR	MO./DAY/YR

PROJECT NO. 572982 | MAP NO. C-19 | SHEET 26 OF 27

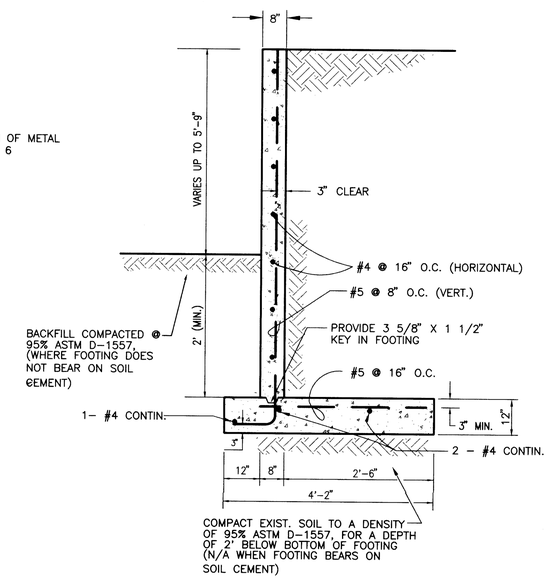
940951

970625



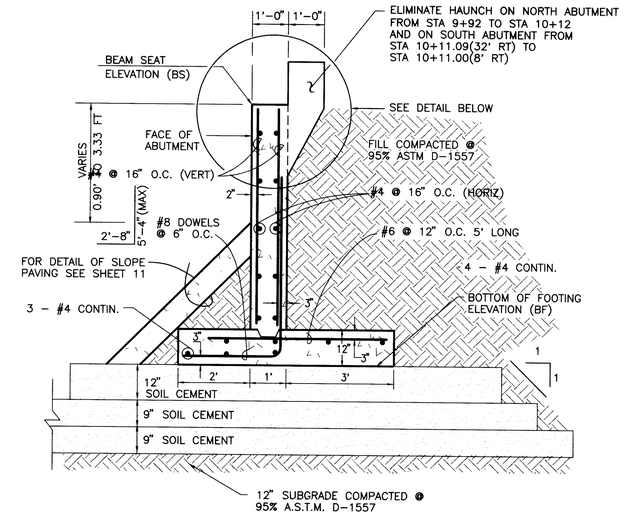
BRIDGE ABUTMENT DETAIL

SCALE=1"=10'



RETAINING WALL SECTION

SCALE: 1" = 2'-0"



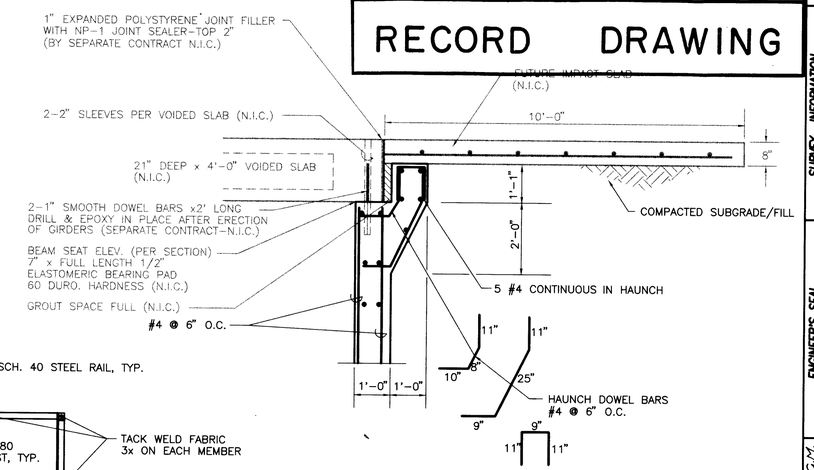
TYPICAL BRIDGE ABUTMENT SECTION

SCALE: 1" = 2'-0"

RECORD DRAWING

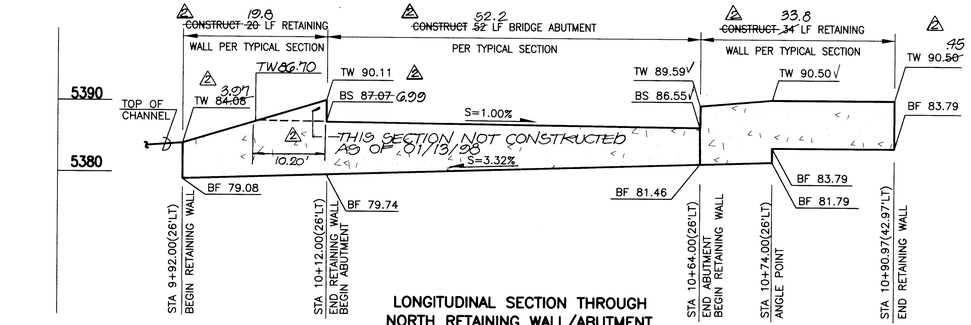
NOTES:

1. REINFORCING TO BE INTERMEDIATE GRADE STEEL, f_s = 20,000 psi
2. SPLICE SHALL BE 40 BAR DIAM. MINIMUM FOR VERTICAL BARS. ALL OTHERS SHALL BE 20 BAR DIAM., MINIMUM.
3. CONCRETE SHALL BE 21 DAYS OLD, OR ACHIEVE 85% OF FINAL STRENGTH PRIOR TO BACKFILLING.
4. ALL CONCRETE SHALL BE 4000 PSI, 28-DAY STRENGTH.
5. ALL MEASUREMENTS AND STATIONING ARE TO FACE OF WALL OR ABUTMENT.



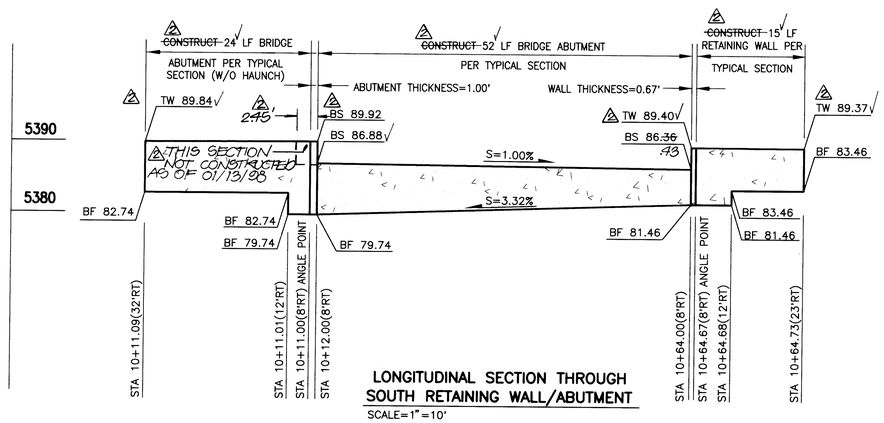
TYPICAL BEAM SEAT/HAUNCH/IMPACT SLAB DETAIL

SCALE: 1" = 2'-0"



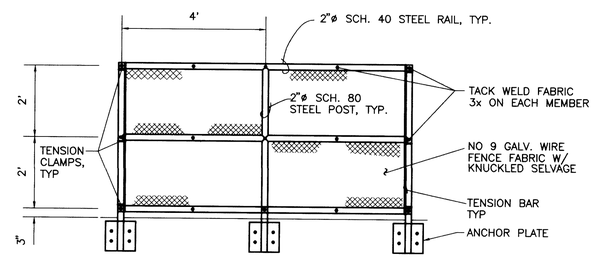
LONGITUDINAL SECTION THROUGH NORTH RETAINING WALL/ABUTMENT

SCALE=1"=10'



LONGITUDINAL SECTION THROUGH SOUTH RETAINING WALL/ABUTMENT

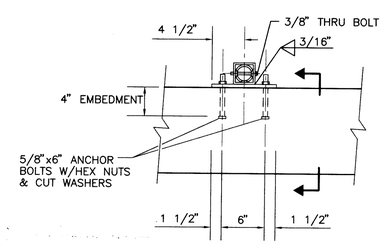
SCALE=1"=10'



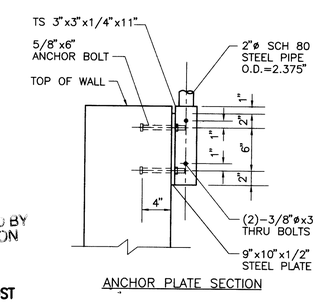
NOTE: TOP RAIL IS CONTINUOUS, BOTTOM RAIL AND POSTS ARE SADDLE CUT. PAINT POSTS, RAILS, CLAMPS AND ANCHOR PLATES WELLBORNE MAPLENUT.

FENCE DETAIL

NO SCALE



ANCHOR PLATE PLAN



ANCHOR PLATE SECTION

SCANNED BY JASON

FENCE POST CONNECTOR DETAIL

NO SCALE

970011

AS BUILT INFORMATION

CONTRACTOR	M.R. TAFOYA	DATE	11/12/97
WORK STAKED BY	J.M.A.	DATE	01/96
INSPECTOR'S ACCEPTANCE BY	AMAFCA	DATE	01/96
FIELD VERIFICATION BY	J.M.A.	DATE	01/96
DRAWINGS CORRECTED BY	J.M.A.	DATE	01/98

MICRO-FILM INFORMATION

RECORDED BY — DATE — NO.

BENCH MARKS

CITY OF ALBUQUERQUE BENCH MARK "HEAVEN", A STANDARD USC AND GS BRASS TABLET STAMPED "HEAVEN 1969", SET IN TOP OF A CONCRETE POST FLUSH WITH THE GROUND LOCATED AT THE ENTRANCE TO THE "GATE OF HEAVEN" CEMETERY 0.15 MILES WEST OF THE INTERSECTION OF PASEO DEL NORTE N.E. AND WYOMING BOULEVARD N.E. STATION IS ON THE SOUTH SIDE OF PASEO DEL NORTE. ELEVATION = 5378.78 FEET (M.S.L.D.)

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
940951	JMA	10/94
940953	JMA	08/96

ENGINEER'S SEAL

CHARLES G. CALA JR. — NEW MEXICO — 8547 — REGISTERED PROFESSIONAL ENGINEER — 08-12-97

AS-BUILT & CERTIFY

NO.	DATE	REMARKS	BY
1	01/98	Revisions	G.Y.
		DESIGN	

Designed By GM Date 06-97
Drawn By DLM Date 06-97
Checked By JGM Date 08-97

I, Charles G. Cala, Jr., Registered Professional Surveyor in the State of New Mexico, do hereby certify that this "as-built" information shown hereon was obtained by me or under my supervision and represents the "as-built" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.

Charles G. Cala Jr. 11/12/98
Charles G. Cala Jr. Date
NMPS No. 11184

CHARLES G. CALA JR. — NEW MEXICO — 11184 — REGISTERED PROFESSIONAL SURVEYOR

JMA — JOHN MORTENSEN & ASSOCIATES, INC. — PROFESSIONAL PLAZA PARK BLVD. NE. — ALBUQUERQUE ☐ NEW MEXICO 87109 — ENGINEERS ☐ SURVEYORS (505) 345-4250

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: NORTH DOMINGO BACA ARROYO
WINDOW G SOIL CEMENT CHANNEL
BRIDGE ABUTMENT SECTIONS AND DETAILS

Design Review Committee: APPROVED SEP - 8 1997 DESIGN REVIEW COMMITTEE

City Engineer Approval

Last Design Update — Mo./Day/Yr. — Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
572982	C-19	27	27

970625

C:\DATA\ACADDWG\970011\970011SS Wed Aug 13 17:18:36 1997 -DLM