

PUBLIC IMPROVEMENT PLANS
FOR
TREMENTINA SUBDIVISION
ALBUQUERQUE, NEW MEXICO

OCTOBER 2003

PREPARED FOR:
BOYHAHN, L.L.C.
11896 N. HWY 14
TJERAS, NM 87059

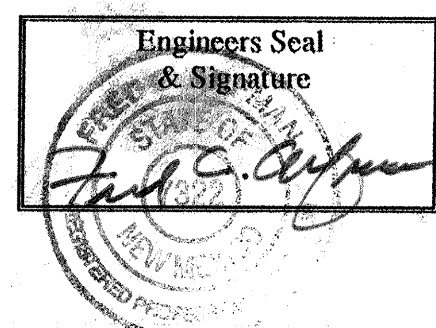
PREPARED BY:
ISAACSON & ARFMAN, P.A.
128 MONROE ST. NE
ALBUQUERQUE, NM 87108

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CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, FRED C. ARFMAN, of the firm of ISAACSON & ARFMAN, P.A., a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the Infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction and survey information provided by BLUE SKY CONSTRUCTION SERVICES, NMPS number 12642.



Surveyor's Certification

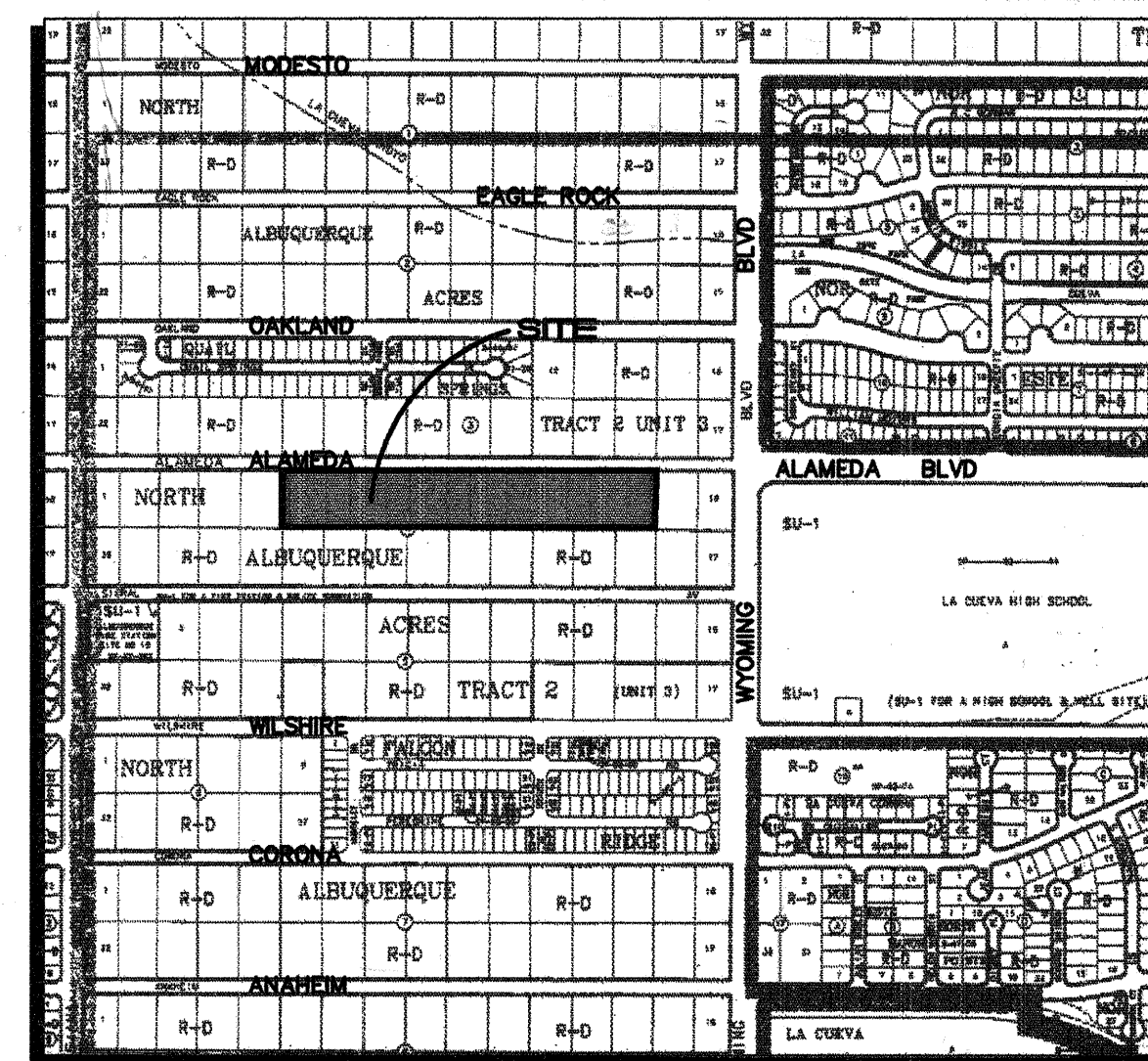
I, GARY D. CARDEY, a duly qualified Registered Professional Land Surveyor, under the laws of the State of New Mexico, do hereby certify that the "as-built" information shown on these drawings was obtained from field construction surveys performed by me or under my supervision, and that this "as-built" information is true and correct to the best of knowledge and belief. Blue Sky Construction Services, Inc. is not responsible for any of the design concepts, calculations, engineering or intent of the record drawings.

Gary D. Cardey NMPS No. 12642 Date 6-16-2004

ALL VERTICAL AND HORIZONTAL DIMENSIONS SHOULD BE FIELD VERIFIED PRIOR TO USE ON FUTURE PROJECTS.

GENERAL NOTES

- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 1986 EDITION AS AMENDED WITH UPDATE NO. 7.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE & VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM DELAY.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM, INC. @ 260-1990 FOR LOCATION OF EXISTING UTILITIES.
- CONTRACTOR SHALL CONDUCT HIS OPERATIONS IN A MANNER WHICH WILL MINIMIZE INTERFERENCE WITH LOCAL TRAFFIC. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES, RULES, REGULATIONS, AND ORDERS OF ANY PUBLIC BODY HAVING JURISDICTION FOR THE SAFETY OF PERSONS OR PROPERTY, AND TO PROTECT THEM FROM DAMAGE, INJURY, OR LOSS. CONTRACTOR SHALL ERECT AND MAINTAIN, AS REQUIRED BY THE CONDITIONS AND PROGRESS OF THE WORK, ALL NECESSARY SAFEGUARDS FOR SAFETY CONTINUOUSLY AND NOT LIMITED TO NORMAL WORKING HOURS, THROUGHOUT THE DURATION OF THE PROJECT. CONTRACTOR SHALL ADHERE TO SECTION 19 OF THE GENERAL CONDITIONS OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986, AS AMENDED WITH UPDATE NO. 6.
- THE CONTRACTOR AGREES THAT HE SHALL ASSUME THE SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD HARMLESS THE OWNER & ENGINEER FROM ANY AND ALL LIABILITY REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
- TRAFFIC CONTROL: FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. SEE SECTION 19 OF THE SPECIFICATIONS. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY CONTRACTOR TO LOCATION AS EXISTING OR AS SHOWN IN THIS PLAN SET.
- WHEN ABUTTING EXISTING PAVEMENT TO NEW, SAWCUT EXISTING PAVEMENT TO A STRAIGHT EDGE AND AT A RIGHT ANGLE, OR AS APPROVED BY THE FIELD ENGINEER. REMOVAL OF BROKEN OR CRACKED PAVEMENT WILL ALSO BE REQUIRED.
- EXISTING CURB AND GUTTER NOT TO BE REMOVED UNDER THE CONTRACT WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
- ALL FINAL BACKFILL FOR TRENCHES SHALL BE COMPACTED TO A MINIMUM 90% MAXIMUM DENSITY PER ASTM D-1557 AND AS DIRECTED BY SECTION 701.14.2 AND STANDARD DRAWING NUMBER 2315.
- THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY OR PRIVATE ROADWAY EASEMENTS SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET OR INTO ANY PUBLIC DRAINAGE FACILITY.
- PROPOSED WATERLINE MATERIALS SHALL BE EITHER PVC PIPE MEETING AWWA C900 REQUIREMENTS (6"-12") OR DUCTILE IRON PIPE, THICKNESS CLASS 50 (6"-16").
- ALL SANITARY SEWER LINE STATIONING REFERS TO SANITARY SEWER CENTERLINE STATIONING.
- ALL FITTINGS ON WATERLINES SHALL HAVE RESTRAINED JOINTS AS NOTED ON THE PLANS.
- CONTRACTOR SHALL SUPPORT ALL EXISTING, UNDERGROUND UTILITY LINES WHICH BECOME EXPOSED DURING CONSTRUCTION. PAYMENT FOR SUPPORTING WORK SHALL BE INCIDENTAL TO WATER- LINE AND/OR SEWERLINE COSTS.
- CONTRACTOR SHALL ASSIST THE ENGINEER/INSPECTOR IN THE RECORDING OF DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE PREPARATION OF RECORD DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER 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 ELEVATIONS 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. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
- PNM WILL PROVIDE AT NO COST TO THE CITY OR THE CONTRACTOR THE REQUIRED PERSONNEL FOR INSPECTION OR OBSERVATION DEEMED NECESSARY BY PNM WHILE THE CONTRACTOR IS EXPOSING PNM'S CABLES. HOWEVER, THE CONTRACTOR SHALL BE CHARGED THE MONUMENTAL COST ASSOCIATED WITH REPAIRS TO ANY DAMAGED CABLES OR FOR ANY COST ASSOCIATED WITH SUPPORTING OR RELOCATING THE POLES AND CABLES DURING CONSTRUCTION.
- WARNING--EXISTING UTILITY LINE LOCATIONS ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. THE LOCATION OF ANY SUCH EXISTING LINES IS BASED UPON INFORMATION PROVIDED BY THE UTILITY COMPANY, THE OWNER, OR BY OTHERS, AND THE INFORMATION MAY BE INCOMPLETE OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS UNDERTAKEN NO FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UNDERGROUND UTILITY LINES, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY 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. THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES, IN PLANNING AND CONDUCTING EXCAVATION, WHETHER BY CALLING OR NOTIFYING THE UTILITIES, COMPLYING WITH "BLUE STAKES" PROCEDURES, OR OTHERWISE.
- ANY WORK OCCURRING WITHIN AN ARTERIAL ROADWAY REQUIRES 24 HR. CONSTRUCTION.
- ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE ACCOMPLISHED IN ACCORDANCE WITH OSHA 29CFR 1926.650 SUBPART P.
- CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
- FOR STORM DRAIN CONSTRUCTION, RCP PIPE JOINTS SHALL NOT BE GROUTED PRIOR TO FINAL INSPECTION. FINAL INSPECTION WILL DETERMINE JOINTS TO BE GROUTED FOR FINAL ACCEPTANCE OF THE CONSTRUCTION.



C-19

VICINITY MAP

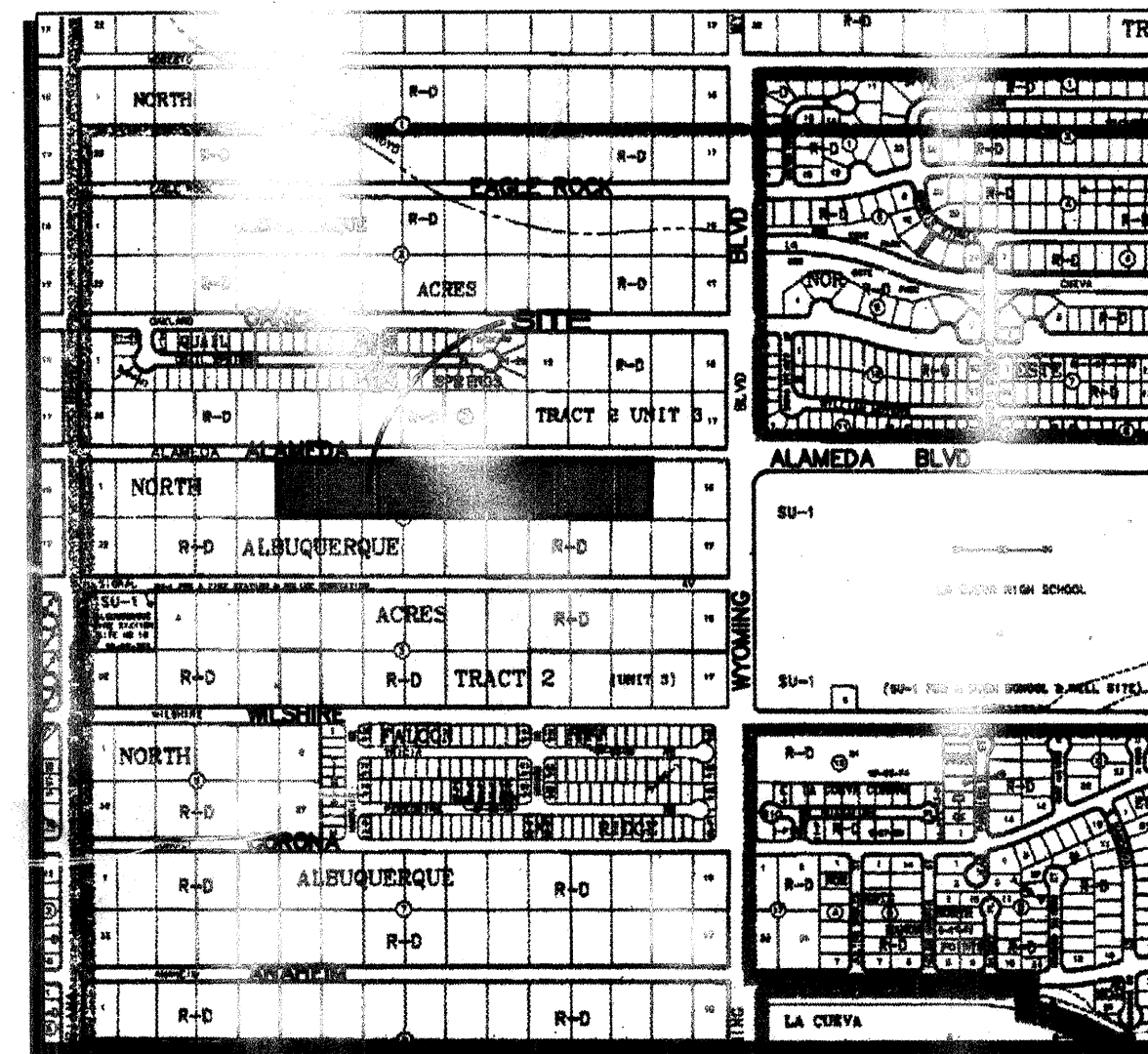
1"=750'

APPROVED AS RECORD DRAWINGS
DESIGN REVIEW SECTION
CITY OF ALBUQUERQUE
DATE: 9/9/05

DRB NO. 1002639

ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque New Mexico
1257CVR-PH2.DWG/ls 10/03/03

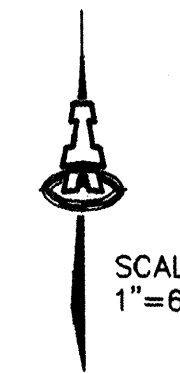
REV.	SHEETS	CITY ENGINEER	DATE	USER	DEPARTMENT	DATE	USER	DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER		DATE	*****		
		DRC Chairman		<u>[Signature]</u>		11-03-03	APPROVED FOR CONSTRUCTION		
		Transportation		<u>[Signature]</u>		12/03/03			
		Water/Wastewater		<u>[Signature]</u>		10/24/03			
		Hydrology		<u>[Signature]</u>		10-16-03			
		AMAFCA		<u>[Signature]</u>					
Constr. Mngmt.		<u>[Signature]</u>		11-03-03	City Engineer Date				
Constr. Coord.		<u>[Signature]</u>							
City Project No.		702482				Sheet 1 Of 31			



C-19 1"=750'±

LEGEND

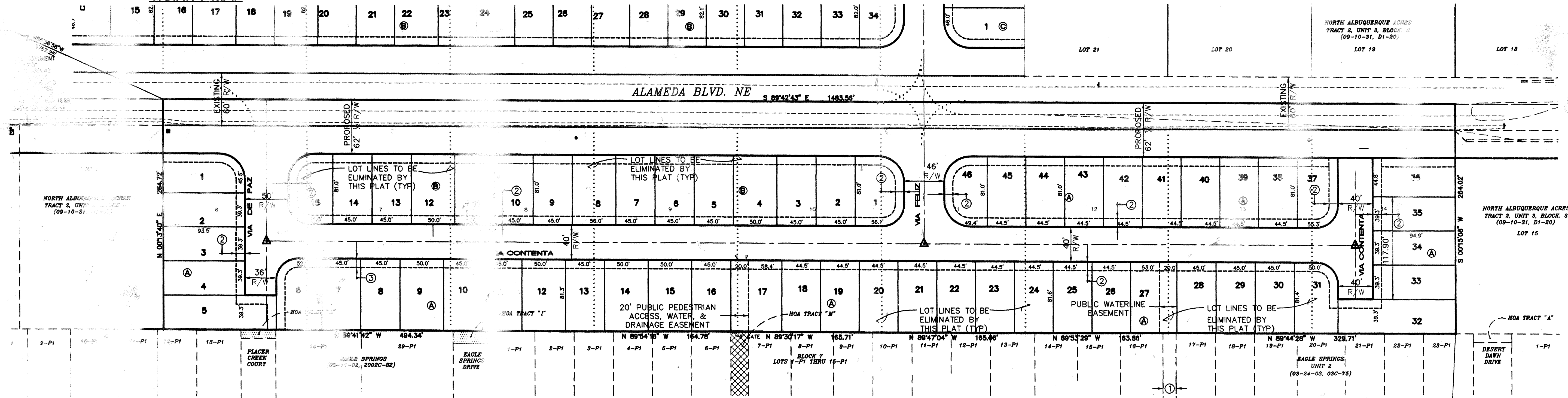
- FOUND 5/8" REBAR (TYP.)
- SET 5/8" REBAR WITH CAP "ALS LS 7719" (TYP.)
- FOUND 5/8" REBAR WITH CAP "ALS LS 7719" (TYP.)
- ⊙ FOUND 1/2" REBAR (TYP.)
- PROPERTY LINE
- ADJOINING PROPERTY LINE
- △ CENTERLINE MONUMENT
- LOT LINE(S) TO BE ELIMINATED BY FINAL PLAT



SCALE: 1"=60'

PRELIMINARY PLAT
TREME
SUBD.
 BEING A
 NORTH ALBUQUERQUE ACRES
 TRACT 2, UNIT 3, BLOCK 4
 WITHIN THE ELENA GARCIA GRANT
 PROJECTED SECTION 16, T.1N, R.1E, S.10E
 CITY OF ALBUQUERQUE
 BERNILLO COUNTY, NEW MEXICO
 MAY 1982

VICINITY MAP



LEGAL DESCRIPTION

NORTH ALBUQUERQUE ACRES
 TRACT 2, UNIT 3, BLOCK 4
 LOTS 6 THRU 14

ACS BENCHMARK

ACS MONUMENT "10-C18" LOCATED IN
 THE SOUTHEAST QUADRANT OF THE
 INTERSECTION OF MODESTO AVENUE N.E.
 AND SAN PEDRO BOULEVARD N.E.

ELEVATION: 5219.41

SITE DATA

- TOTAL LAND AREA = 9.2151 ACRES.
- NUMBER OF EXISTING LOTS IS 09.
- NUMBER OF PROPOSED RESIDENTIAL LOTS IS 61.
- CURRENT ZONING: R-D (7 D.U. / ACRE)
- ALL STREETS WILL MEET CITY STANDARDS AND WILL BE PUBLIC BY PLAT DEDICATION AND BE MAINTAINED BY THE CITY OF ALBUQUERQUE.
- ALL STREETS HAVE PAVING WIDTHS PER DPM STANDARDS. (SOME RIGHT-OF-WAY WIDTHS REDUCED BY VARIANCE.)
- CITY OF ALBUQUERQUE WATER AND SANITARY SEWER SERVICES TO THIS DEVELOPMENT MUST BE VERIFIED AND COORDINATED WITH THE PUBLIC WORKS DEPARTMENT, CITY OF ALBUQUERQUE.
- FIELD SURVEY PERFORMED FEBRUARY 2003.
 BY ALDRICH LAND SURVEYING.

EASEMENT NOTES

- EXISTING 15' PUBLIC WATERLINE EASEMENT (03-24-03, 03C-75)
- 10' PUBLIC UTILITY EASEMENT (TO BE GRANTED BY FINAL PLAT)

- EXISTING PUBLIC WATER, SEWER & DRAINAGE, H.O.A. MAINTENANCE AND PEDESTRIAN ACCESS EASEMENT (03-11-02, 02C-82)
- EXISTING PUBLIC WATER AND SEWER, H.O.A. MAINTENANCE AND P.U.E. EASEMENT (03-11-02, 02C-82)

NOTES

- UNLESS OTHERWISE NOTED, ALL BOUNDARY CORNERS SHOWN THUS ○ WILL BE MARKED BY A NO. 5 IRON REBAR WITH PLASTIC CAP STAMPED "PLS #7719".
- ALL STREET CENTERLINE POINTS SHOWN THUS △ WILL BE MARKED BY A 4" ALUMINUM DISK STAMPED "CENTERLINE MONUMENT, PLS #7719".
- BOUNDARY WILL BE TIED TO THE NEW MEXICO STATE PLANE COORDINATE SYSTEM AS SHOWN.
- BASIS OF BEARINGS WILL BE NMSP GRID BEARINGS.
- DISTANCES WILL BE GROUND DISTANCES.
- MANHOLES WILL BE OFFSET AT ALL POINTS OF CURVATURE, POINTS OF TANGENCY, STREET INTERSECTIONS AND ALL OTHER ANGLE POINTS TO ALLOW USE OF CENTERLINE MONUMENTATION.

APPROVED FOR MONUMENTATION
 AND STREET NAMES

[Signature] 5-1-03
 CITY SURVEYOR DATE

OWNERSHIP

[Signature] 5-1-03
 BOYHANN L.L.C. DATE
 JOE BOYDEN, MEMBER

FOR
 INFORMATION
 ONLY

SAACSON & ARFMAN, P.A.
 Consulting Engineering Associates
 1221 Monroe Street N.E.
 Albuquerque, New Mexico

1257P/PLS 1257P VIEW 2 06/07/03

SHEET 1 OF 1

SHEET 2 OF 30 31

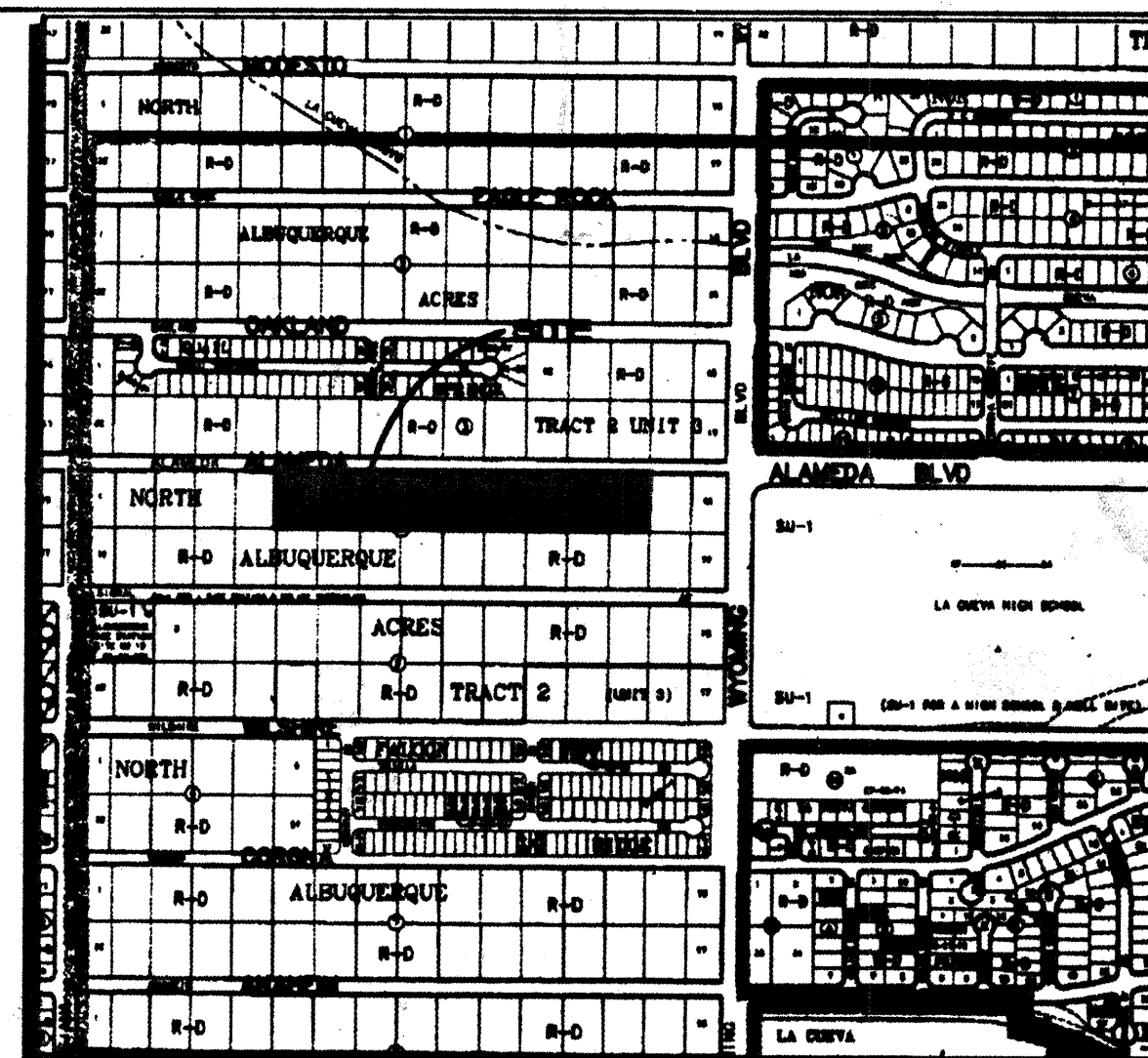
702482

LEGEND

- 5200 — EXISTING CONTOUR
- 52 — PROPOSED CONTOUR
- — PROPOSED RETAINING WALL
- - - PERIMETER WALL

SCALE: 1"=60'

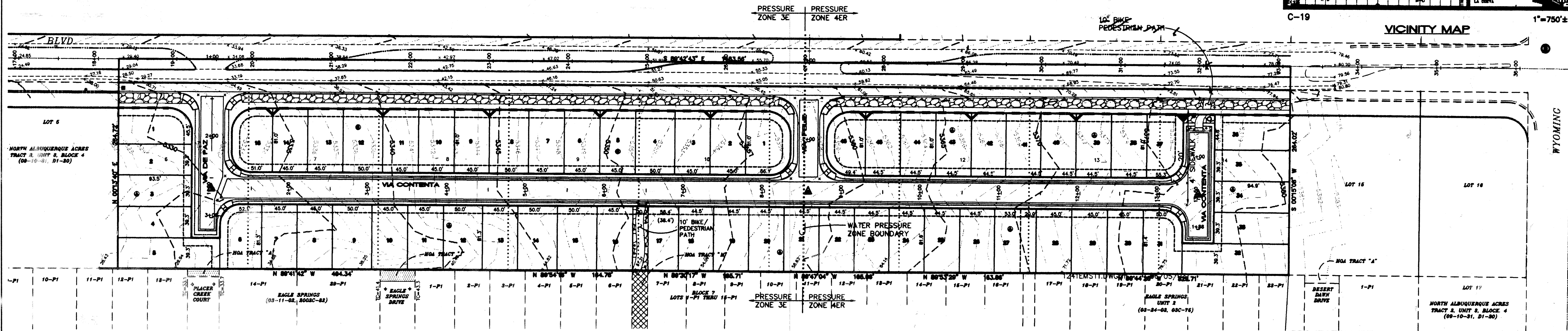
60 40 20 0 60 120 FEET



C-19

VICINITY MAP

1"=750'



PROJECT NUMBER

APPLICATION NUMBER

This plan is consistent with the specific Site Development Plan approved by the Environmental Planning Commission (EPC), dated [blank], and the Findings and Conditions in the Official Notification of Decision are satisfied.

DRB SITE DEVELOPMENT PLAN SIGNOFF APPROVAL:

Christina Sandoval 6/25/03
Parks & Recreation Date

Bruce D. Blynn 6/25/03
City Engineer

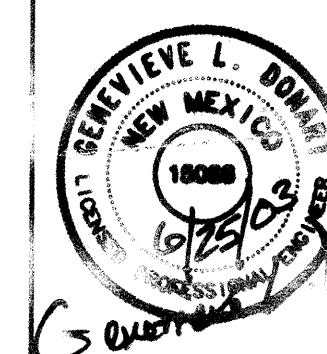
Phil Davis 6-25-03
Transportation

Ronald Green 6-25-03
Utilities

Sharon Watson 6/25/03
Planning

FOR INFORMATION ONLY

TREMENTINA SUBDIVISION
SITE DEVELOPMENT PLAN
FOR SUBDIVISION



ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque New Mexico

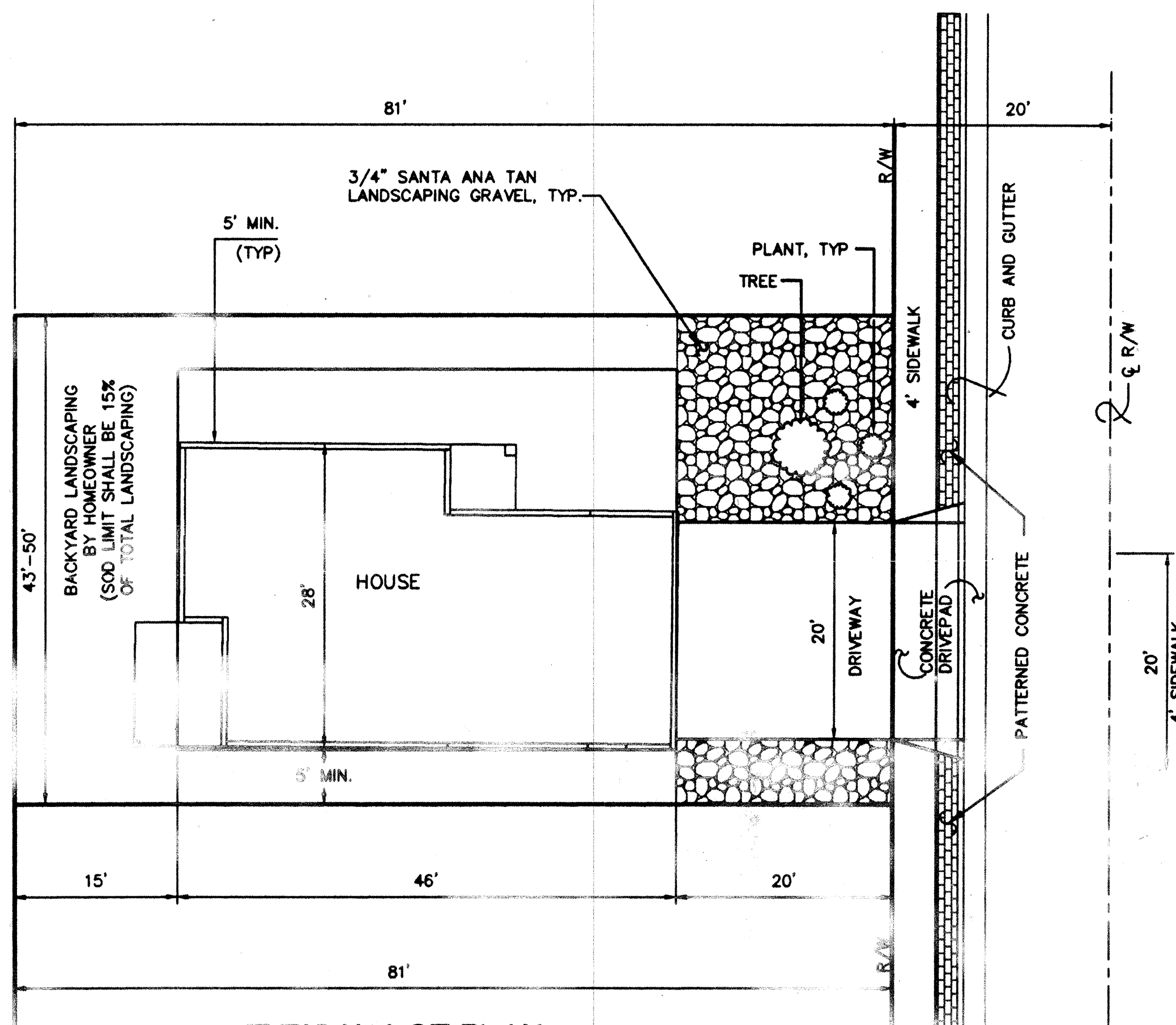
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SHEET 1 OF 2

SHEET 3 OF 3031

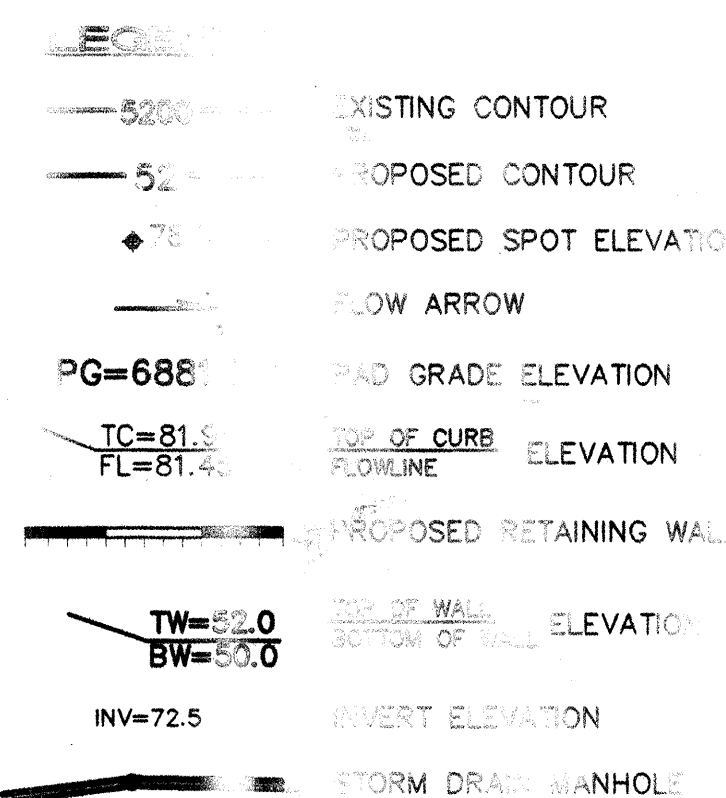
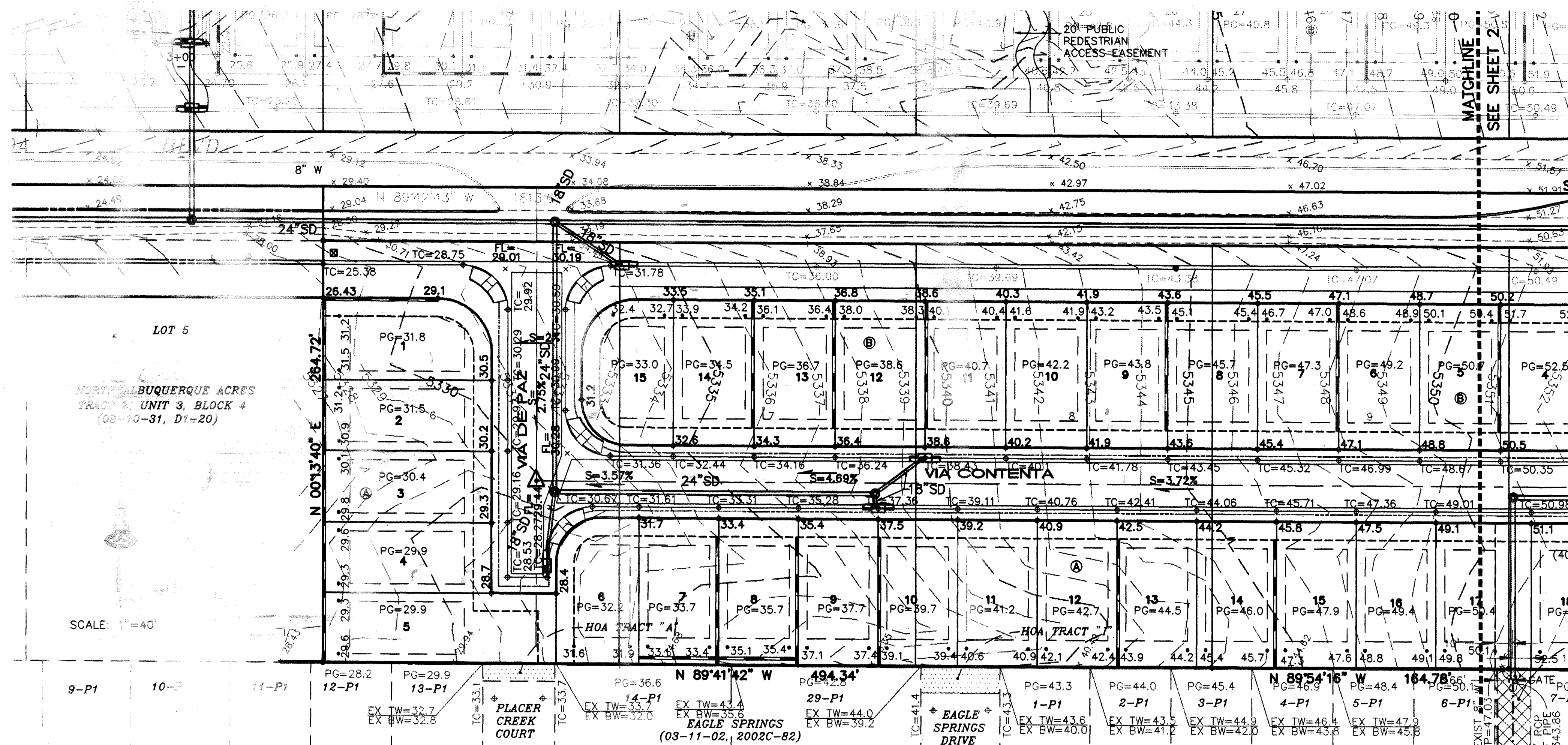
VIEW NOTES:

- ENSURE THAT DEVELOPMENT RESPECTS THE VIEWS OF THE SANDIA MOUNTAINS TO THE EAST AND THE MESA TO THE WEST. THIS INCLUDES PRESERVING VIEWS FROM OUT OF SITE AND SITE DESIGN TO TAKE ADVANTAGE OF VIEWS FROM THE SITE.
- ALL UTILITIES SHALL BE PLACED UNDERGROUND.
- ROOFTOP MECHANICAL AND ELECTRICAL EQUIPMENT, MICROWAVE ANTENNAE, OR SIMILAR ROOFTOP HARDWARE SHALL BE SCREENED FROM PUBLIC VIEW.



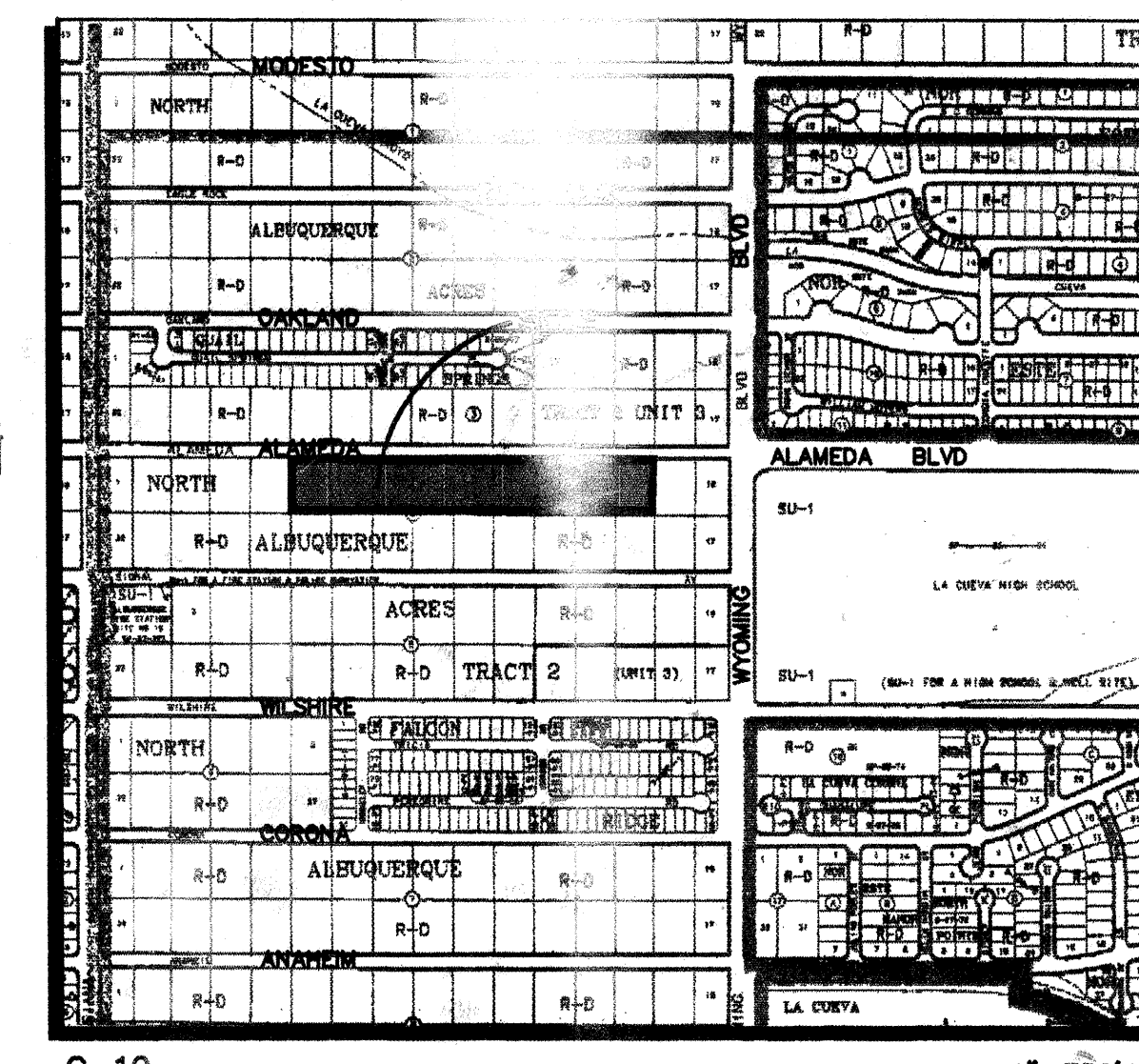
TYPICAL LOT PLAN
SCALE: 1"=10'-0"

702482



GRADING NOTES:

- ALL TRASH, DEBRIS, & SURFACE VEGETATION SHALL BE CLEARED AND LEGALLY DISPOSED OFFSITE.
- ALL SUBGRADE AND FILL SHALL BE COMPACTED TO A MINIMUM OF 90% ASTM D-1557.
- EXCAVATION IS UNCLASSIFIED AND INCLUDES EXCAVATION TO SUBGRADE ELEVATIONS INDICATED, REGARDLESS OF CHARACTER OF MATERIALS ENCOUNTERED.
- CONFORM TO ELEVATIONS AND DIMENSIONS SHOWN ON PLANS WITHIN A TOLERANCE OF 0.3± FEET.
- SCARIFY AND COMPACT SUBGRADE FOR FILLS. PLACE FILL MATERIALS IN LAYERS NOT MORE THAN 8" IN LOOSE DEPTH. MOISTEN AS NECESSARY TO PROVIDE OPTIMUM MOISTURE (±2%) CONTENT.
- UNIFORMLY GRADE AREAS WITHIN LIMITS OF GRADING AS SHOWN ON PLAN. SMOOTH FINISHED SURFACE WITHIN SPECIFIED TOLERANCE, COMPACT WITH UNIFORM SLOPES BETWEEN POINTS WHERE ELEVATIONS ARE INDICATED.
- MAXIMUM SLOPES SHALL BE 3:1 MINIMUM SLOPES SHALL BE 1%.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM, 260-1990, FOR LOCATION OF EXISTING UTILITIES.
- 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.
- THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT ERODED AND WASHED DOWN THE STREET.
- OWNER WILL PROVIDE SOIL TESTING AND INSPECTION SERVICES DURING EARTHWORK OPERATIONS. ALLOW TESTING SERVICE TO INSPECT AND APPROVE COMPACTED SUBGRADES AND FILL LAYERS BEFORE FURTHER CONSTRUCTION WORK IS DONE. SHALL COMPACTION TESTS INDICATE INADEQUATE DENSITY, CONTRACTOR SHALL PROVIDE ADDITIONAL COMPACTION AND TESTING AT NO ADDITIONAL EXPENSE.
- OWNER HAS ESTABLISHED SUBDIVISION BOUNDARY CORNERS. CONTRACTOR SHALL PROVIDE ALL OTHER CONSTRUCTION STAKING INCLUDING TRACT CORNERS. CONTRACTOR SHALL LOCATE AND PRESERVE ALL BOUNDARY CORNERS AND REPLACE ANY LOST OR DISTURBED CORNERS.



VICINITY MAP

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Albuquerque, New Mexico
12576RD2.DWG.rh 06/17/03

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

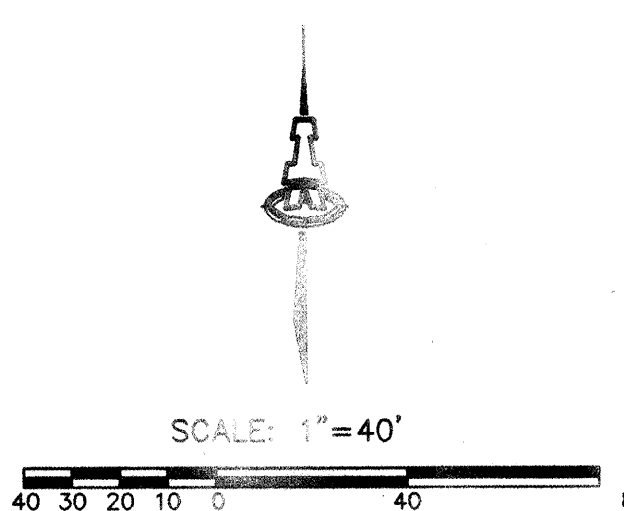
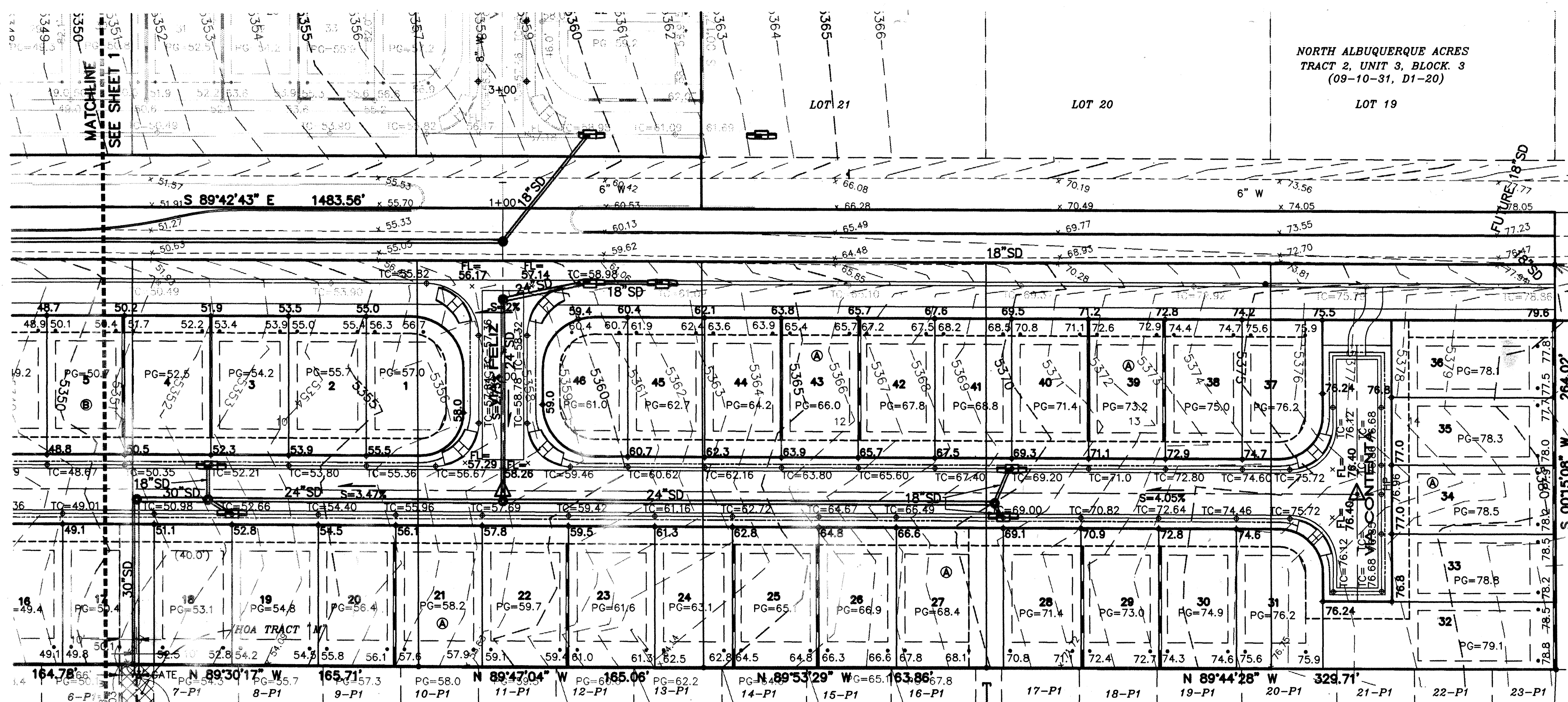
TREMENTINA SUBDIVISION
GRADING & DRAINAGE PLAN

Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
DESIGNED BY	GLD	DATE	04/03
DRAWN BY	RTH	DATE	04/03
CHECKED BY	GLT	DATE	04/03

FOR INFORMATION ONLY

7024.82

Sheet 1 of 3



LEGEND

- 52.0 — EXISTING CONTOUR
- 50.0 — PROPOSED CONTOUR
- ◆ 74.0 — PROPOSED SPOT ELEVATION
- FLOW ARROW
- PG=68.0 — PAD GRADE ELEVATION
- TOP OF CURB — ELEVATION
- FL=67.45 — FLOWLINE
- PROPOSED RETAINING WALL
- TOP OF WALL — ELEVATION
- BOTTOM OF WALL — ELEVATION
- INV=72.8 —
- STORM DRAIN MANHOLE

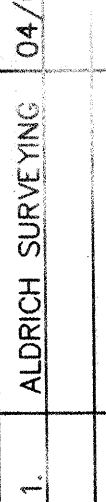
 **ISAACSON & ARFMAN, P.A.**
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque New Mexico
1257GRD2.DWGGrh 06/17/03

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: TREMONTINA SUBDIVISION

GRADING & DRAINAGE PLAN

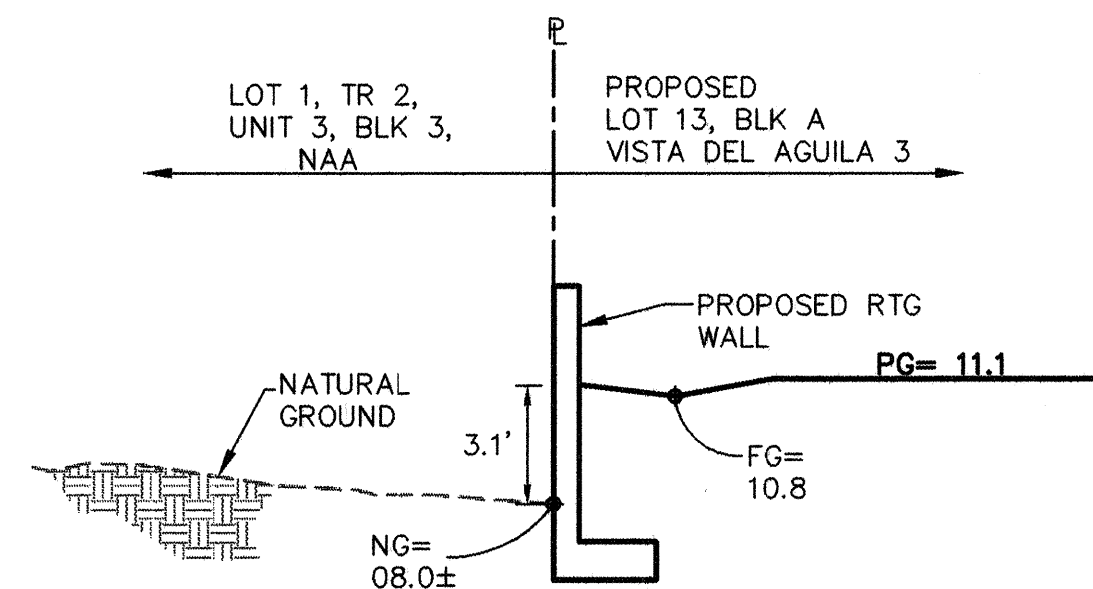
Design Review Committee	City Engineer Approval	Last Design Update	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 2px;">Mo./Day/Yr.</td> <td style="width: 50%; padding: 2px;">Mo./Day/Yr.</td> </tr> <tr> <td style="height: 40px;"></td> <td style="height: 40px;"></td> </tr> </table>	Mo./Day/Yr.	Mo./Day/Yr.		
Mo./Day/Yr.	Mo./Day/Yr.						
FOR INFORMATION ONLY APPROVED DEC - 8 2003 CITY ENGINEER	APPROVED DEC - 8 2003 CITY ENGINEER		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 2px;">Mo./Day/Yr.</td> <td style="width: 50%; padding: 2px;">Mo./Day/Yr.</td> </tr> <tr> <td style="height: 40px;"></td> <td style="height: 40px;"></td> </tr> </table>	Mo./Day/Yr.	Mo./Day/Yr.		
Mo./Day/Yr.	Mo./Day/Yr.						
City Project No. 702482		Zone No.	Sheet 2 Of 2				

ENGINEER'S SEAL	SURVEY INFORMATION	BENCH MARKS	AS-BUILT INFORMATION
 <i>Genavieve L. Donati</i>	FIELD NOTES	NM5HC BRASS CAP "1-25-11" SET IN CONCRETE POST ON ON EAST SIDE OF FRONTAGE ROAD NEAR THE SW CORNER OF THE CORONADO AIRFIELD	CONTRACTOR SALKS - BROTHER STARTED BY Shane Const. INSPECTOR'S NAME DATE 5-14 PAGE BY DATE 5/14 FIELD VERIFICATION BY DATE 6/16/03 CORRECTED BY DATE 6/16/03
	1.	ALDRICH SURVEYING 04/03	ELEVATION=5206.94 (NGVD 1929)
			RECORDED BY DATE MICRO-FILM INFORMATION <i>Con Inspector: Ron Kalkb...</i>

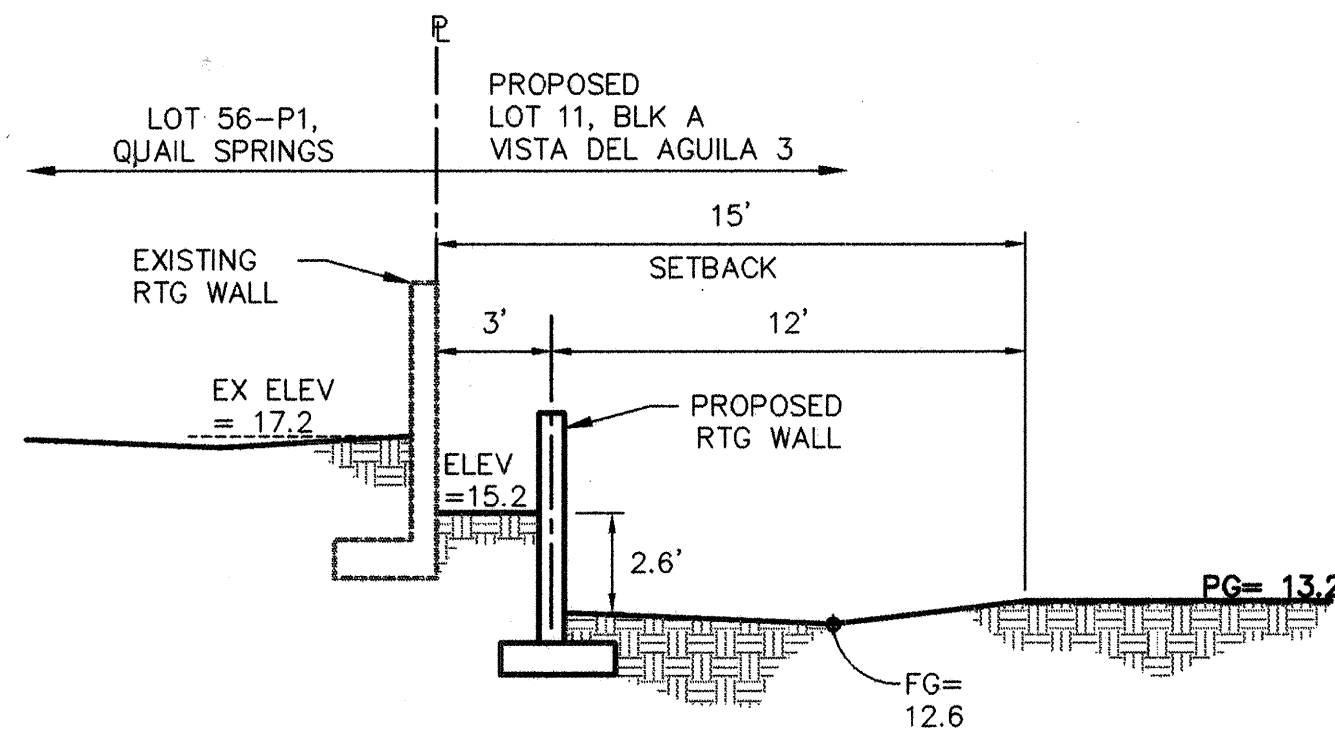
ENGINEER'S SEAL

GENARIVE L. DONAT RES.
NEW MEX. CO.
150088
8/14/08
LICENSED PROFESSIONAL ENGINEER

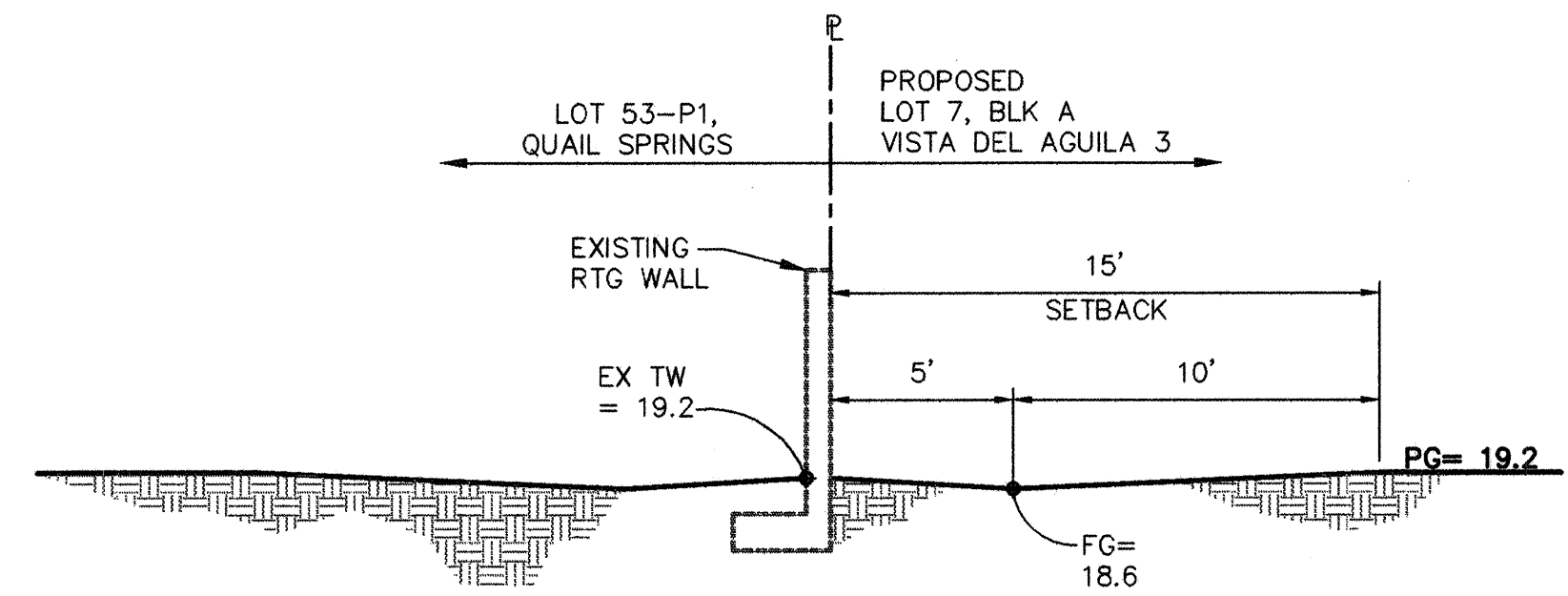
Genarive L. Donat



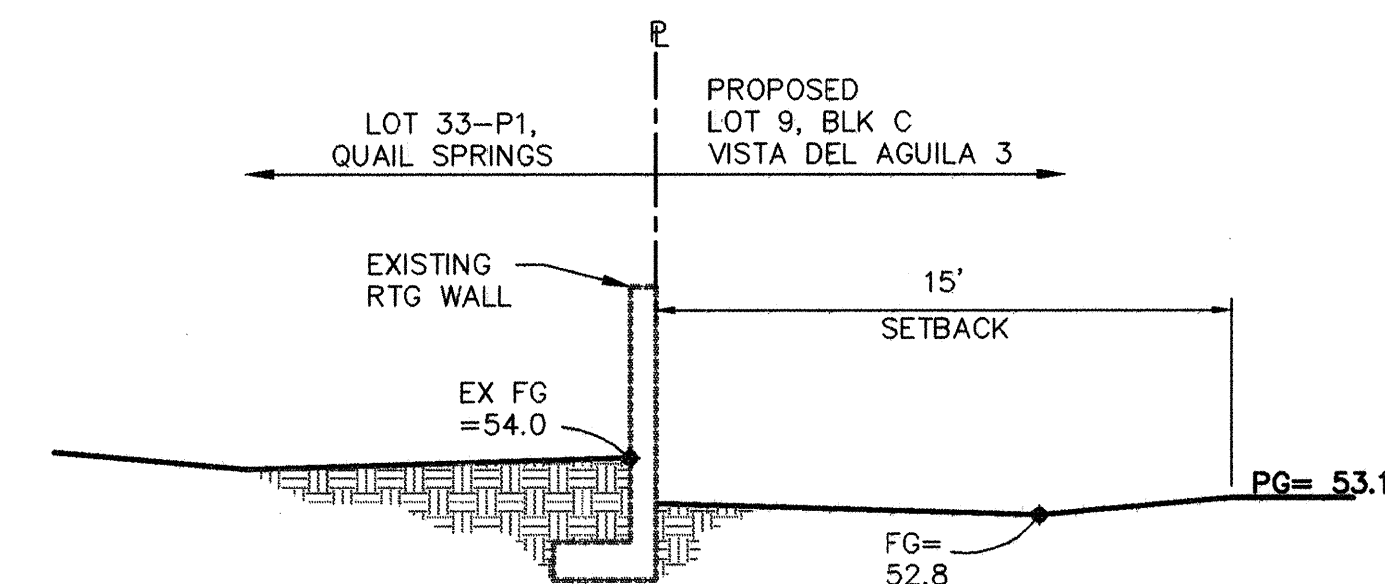
SECTION B-B
SCALE: 1" = 2'



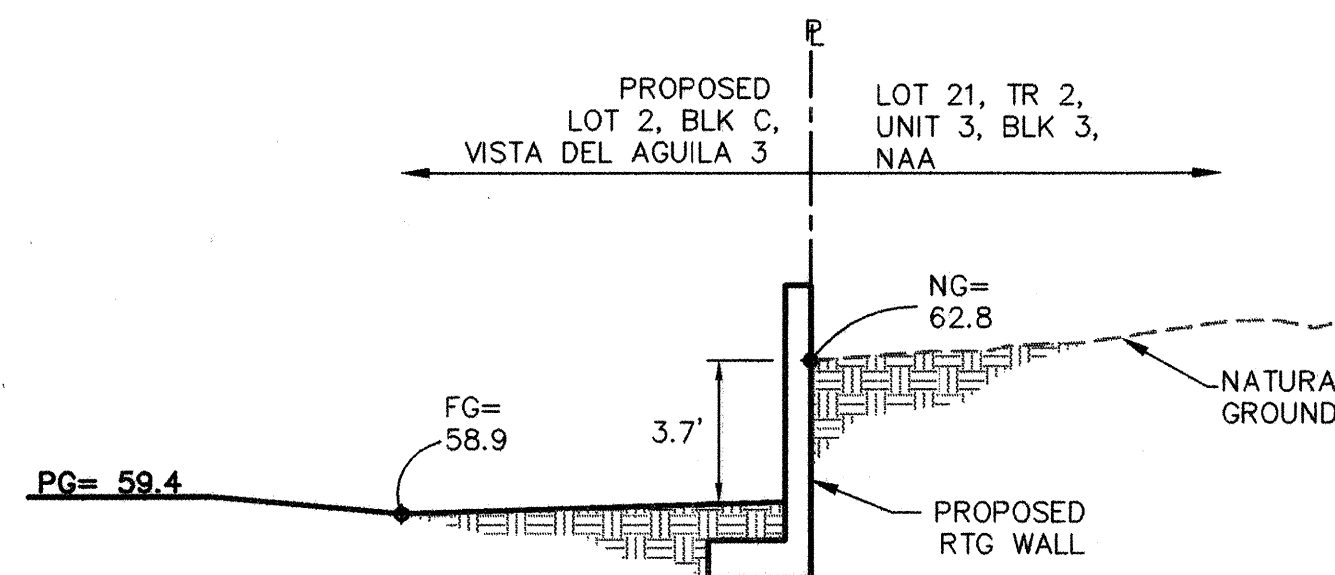
SECTION C-C
SCALE: 1" = 2'



SECTION D-D
SCALE: 1" = 2'



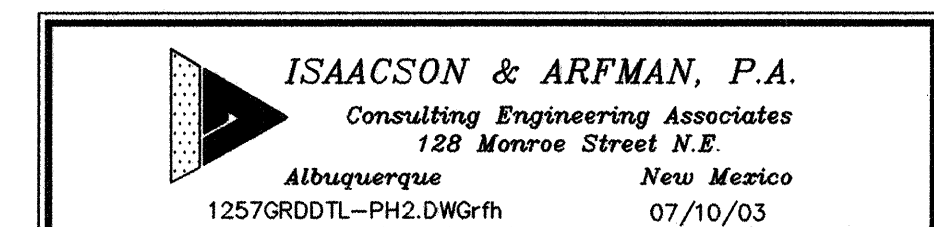
SECTION E-E
SCALE: 1" = 2'



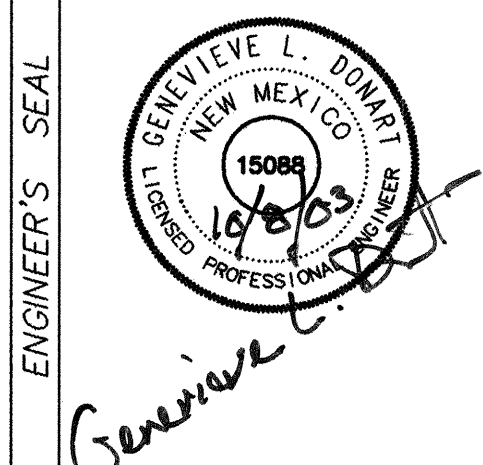
SECTION F-F
SCALE: 1" = 2'

GRADING NOTES:

- ALL TRASH, DEBRIS, & SURFACE VEGETATION SHALL BE CLEARED AND LEGALLY DISPOSED OFFSITE.
- ALL SUBGRADE AND FILL SHALL BE COMPACTED TO A MINIMUM OF 90% ASTM D-1557.
- EXCAVATION IS UNCLASSIFIED AND INCLUDES EXCAVATION TO SUBGRADE ELEVATIONS INDICATED, REGARDLESS OF CHARACTER OF MATERIALS ENCOUNTERED.
- CONFORM TO ELEVATIONS AND DIMENSIONS SHOWN ON PLANS WITHIN A TOLERANCE OF 0.3± FEET.
- SCARIFY AND COMPACT SUBGRADE FOR FILLS. PLACE FILL MATERIALS IN LAYERS NOT MORE THAN 8" IN LOOSE DEPTH. MOISTEN AS NECESSARY TO PROVIDE OPTIMUM MOISTURE (±2%) CONTENT.
- UNIFORMLY GRADE AREAS WITHIN LIMITS OF GRADING AS SHOWN ON PLAN. SMOOTH FINISHED SURFACE WITHIN SPECIFIED TOLERANCE, COMPACT WITH UNIFORM SLOPES BETWEEN POINTS WHERE ELEVATIONS ARE INDICATED.
- MAXIMUM SLOPES SHALL BE 3:1 MINIMUM SLOPES SHALL BE 1%.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM, 260-1990, FOR LOCATION OF EXISTING UTILITIES.
- 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 THEREFORE. 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.
- THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT ERODED AND WASHED DOWN THE STREET.
- OWNER WILL PROVIDE SOIL TESTING AND INSPECTION SERVICES DURING EARTHWORK OPERATIONS. ALLOW TESTING SERVICE TO INSPECT AND APPROVE COMPACTED SUBGRADES AND FILL LAYERS BEFORE FURTHER CONSTRUCTION WORK IS DONE. SHALL COMPACTION TESTS INDICATE INADEQUATE DENSITY, CONTRACTOR SHALL PROVIDE ADDITIONAL COMPACTION AND TESTING AT NO ADDITIONAL EXPENSE.
- OWNER HAS ESTABLISHED SUBDIVISION BOUNDARY CORNERS. CONTRACTOR SHALL PROVIDE ALL OTHER CONSTRUCTION STAKING INCLUDING TRACT CORNERS. CONTRACTOR SHALL LOCATE AND PRESERVE ALL BOUNDARY CORNERS AND REPLACE ANY LOST OR DISTURBED CORNERS.



CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP			
TITLE: TREMENTINA SUBDIVISION GRADING DETAILS & SECTIONS			
Design Review Committee	City Engineer Approval	Mo./Day/Yr.	
For Information Only		Mo./Day/Yr.	
		Mo./Day/Yr.	
		Mo./Day/Yr.	
		Mo./Day/Yr.	
City Project No. 702482	Zone Map No. C-19	Sheet 6	Of 31



REVISIONS	DATE	BY
DESIGN	04/03	
DESIGNED BY	GLD	DATE 04/03
DRAWN BY	RFH	DATE 04/03
CHECKED BY	GLD	DATE 04/03

SURVEY INFORMATION	
FIELD NOTES	04/03
1. ALDRICH SURVEYING	

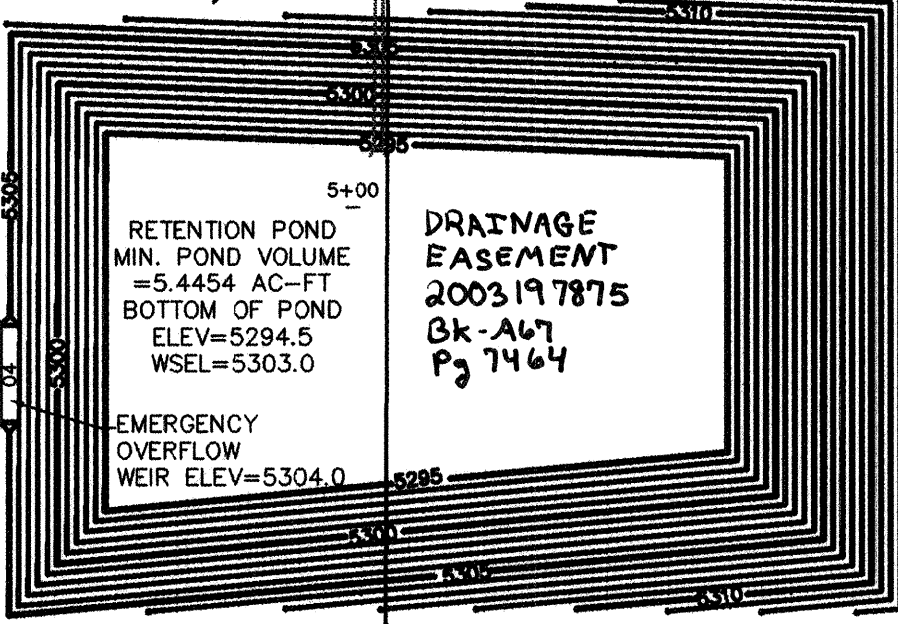
BENCH MARKS	
NMHC BRASS CAP "1-25-11" SET IN CONCRETE POST ON ON EAST SIDE OF FRONTAGE ROAD NEAR THE SW CORNER OF THE CORONADO AIRFIELD	
ELEVATION=5206.94 (NGVD 1929)	

AS-BUILT INFORMATION	
CONTRACTOR	SHILLIS - Blotter
STAMPED BY	SHILLIS
DATE	5/04
FIELD VERIFICATION BY	DAVID
DATE	5/04
CORRECTED BY	SHILLIS
DATE	4/04
MICRO-FILM INFORMATION	
RECORDED BY	
DATE	
NO.	

32' Public Access, Water, SAS,
Drainage Easement
2003197876 Bk A67 Pg 7465

FUTURE
VISTA DEL AGUILA
UNIT 3

SEE BELOW



NORTH ALBUQUERQUE ACRES
TRACT 2, UNIT 3, BLOCK 4
(09-10-31, D1-20)

NORTH ALBUQUERQUE ACRES
TRACT 2, UNIT 3, BLOCK 4
(09-10-31, D1-20)

FUTURE
VISTA DEL AGUILA
UNIT 3

32' Public Access, water, SAS,
Drainage Easement
2003197876 Bk A67 Pg 7465

10' BIKE / PEDESTRIAN PATH
SEE DETAIL B, SHEET 8

ALAMEDA BLVD.

VIA CONTENTA

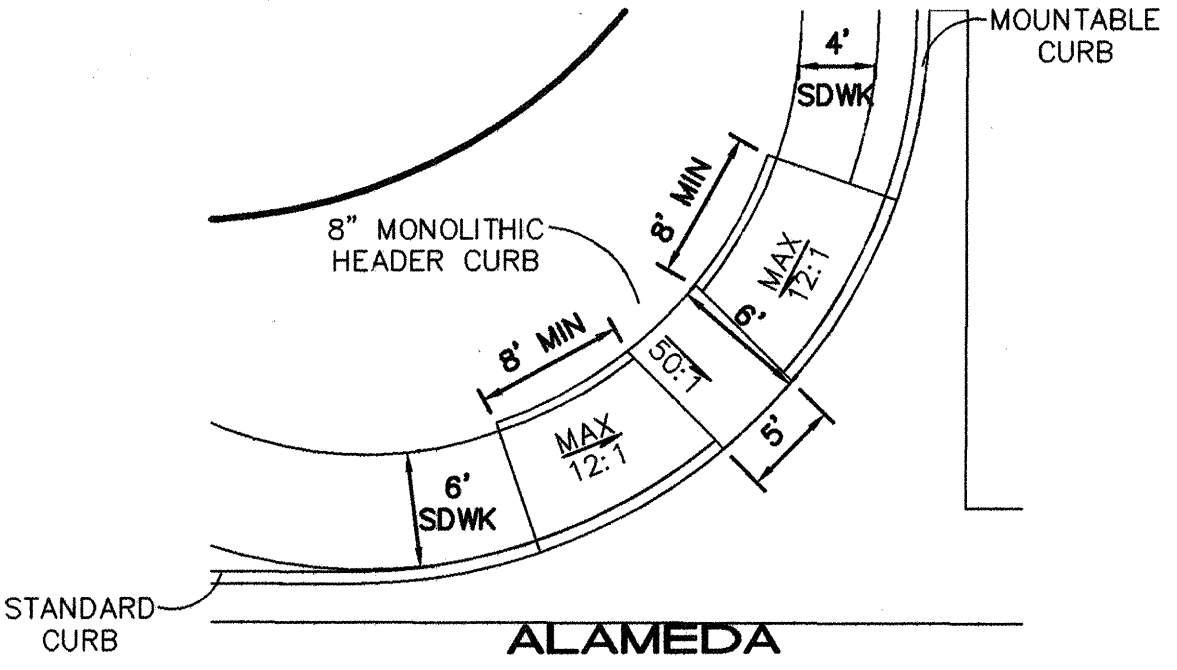
VIA CONTENTA

10' BIKE / PEDESTRIAN PATH
SEE DETAIL A, SHEET 8

LEGEND

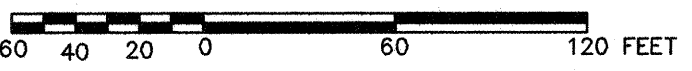
- EXISTING STREET IMPROVEMENTS
- PROPOSED STREET IMPROVEMENTS
- FUTURE STREET IMPROVEMENTS
- CROWN TO NO CROWN TRANSITION
PER COA STD DWG #2401
- WHEEL CHAIR RAMP
- VALLEY GUTTER
- BLOCK NO.
- LOT NO.

- PROPOSED STREET LIGHT
- STORM DRAIN CATCH BASIN
- STORM DRAIN MANHOLE
- DEFERRED SIDEWALK
- WATER BAR
- TYPE III BARRICADE
- 2-2" LIFTS OF TEMPORARY
PAVING PER COA STD DWG
2415



ARTERIAL WHEELCHAIR RAMP DETAIL
1"=10" (MODIFIED COA STD DWG#2441)

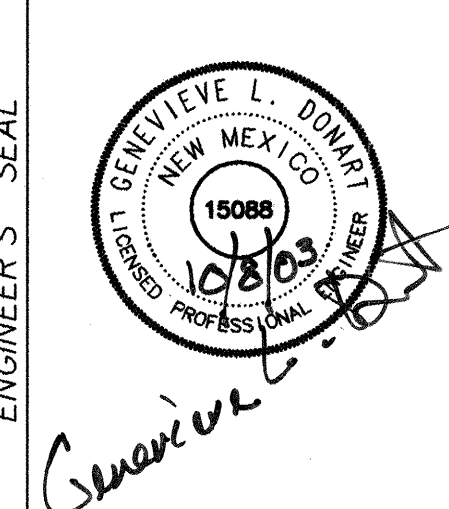
SCALE: 1"=60'



AS-BUILT INFORMATION	
CONTRACTOR	SALLS - BROTHMAN
DESIGNED BY	ISAACSON & ARFMAN, P.A.
DRAWN BY	ISAACSON & ARFMAN, P.A.
CHECKED BY	ISAACSON & ARFMAN, P.A.
DATE	10/07/03

BENCH MARKS	
MINUS BRASS CAP "1-25-11" SET IN CONCRETE POST ON	04/03
ON EAST SIDE OF FRONTAGE ROAD NEAR THE SW CORNER OF	
THE CORONADO AIRFIELD	
ELEVATION=5206.94 (NGVD 1929)	

SURVEY INFORMATION	
FIELD NOTES	ALDRICH SURVEYING
DATE	04/03



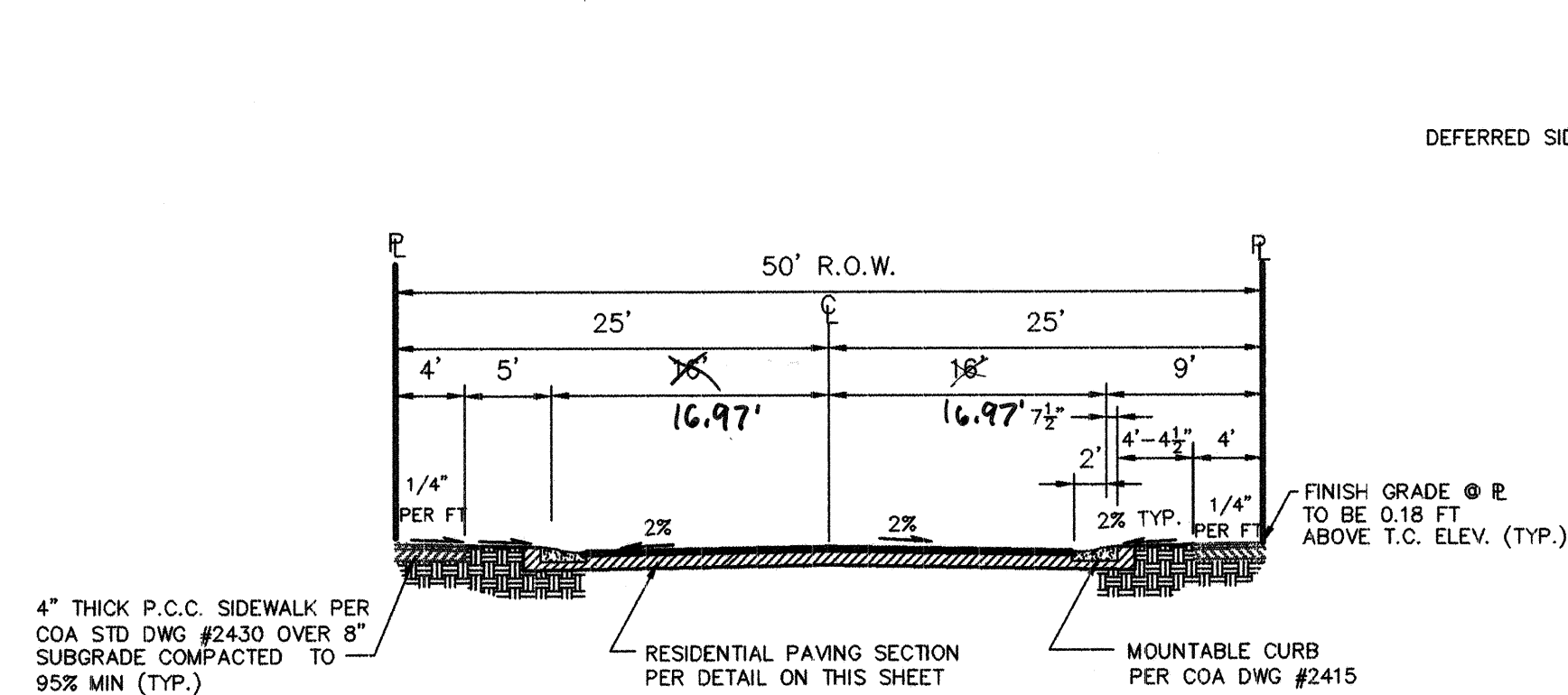
REVISIONS	
NO.	DATE
1	04/03
2	04/03
3	04/03

ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque, New Mexico
1257PMSTR-PH2.DWGmrj 10/07/03

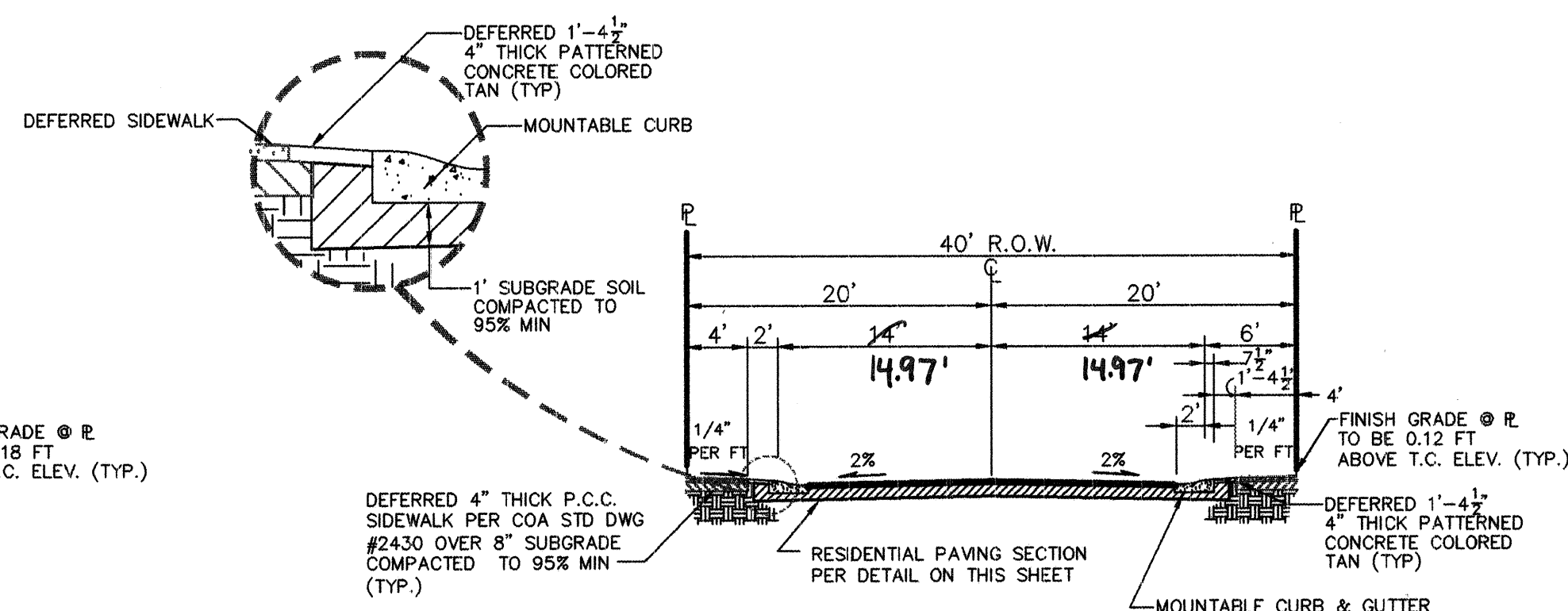
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: TREMENTINA SUBDIVISION
MASTER PAVING & STORM DRAIN PLAN

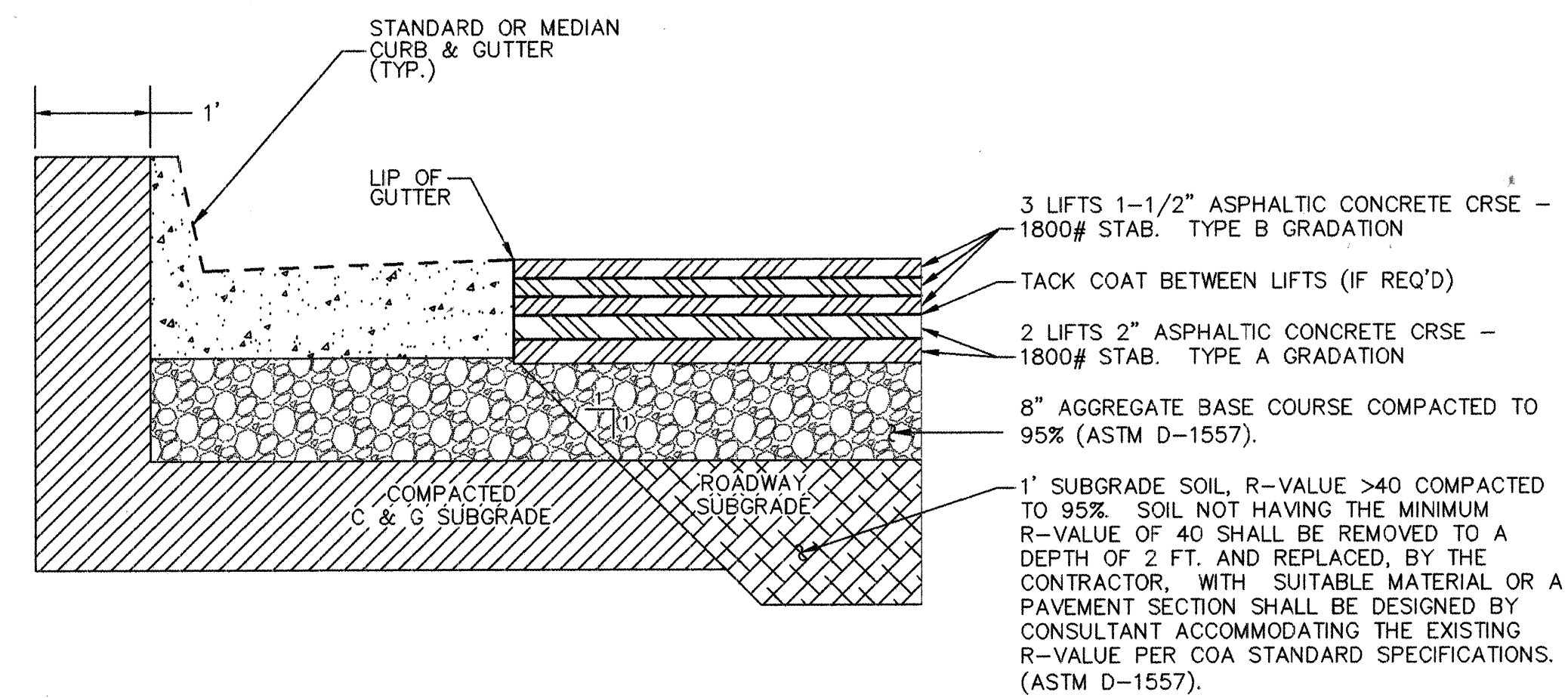
Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
NOV - 3 2003	APPROVE		
DESIGN REVIEW COMMITTEE	CITY ENGINEER		



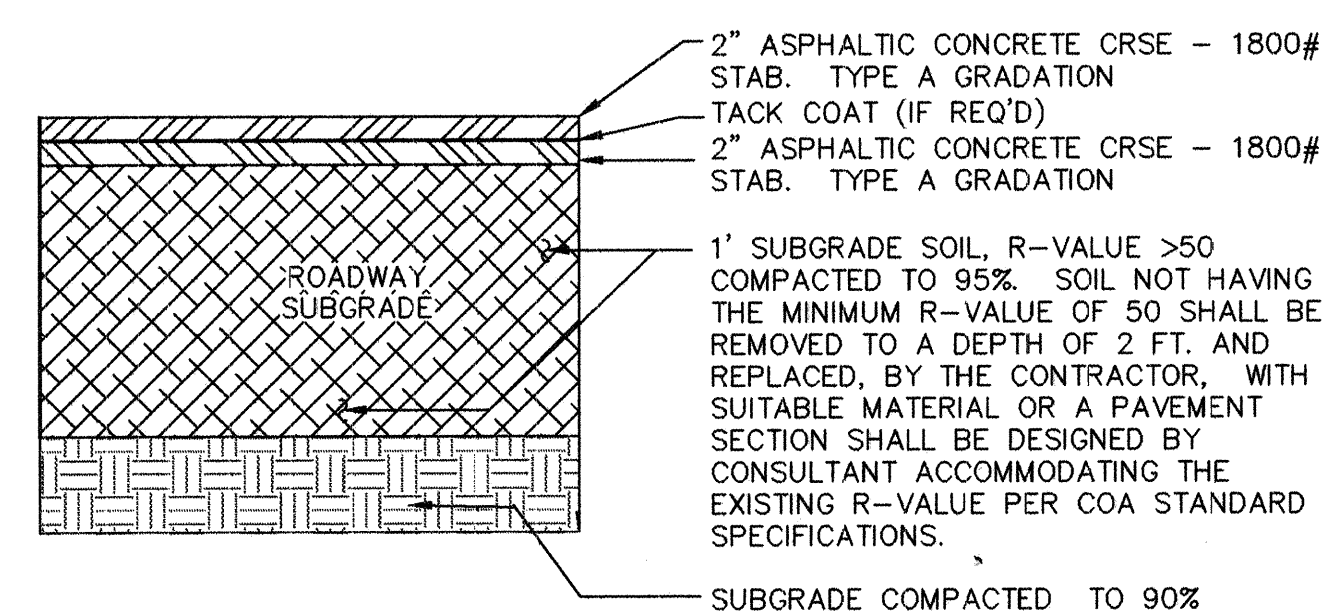
SECTION A2
TYPICAL 50' R.O.W. RESIDENTIAL STREET SECTION
1"=10'



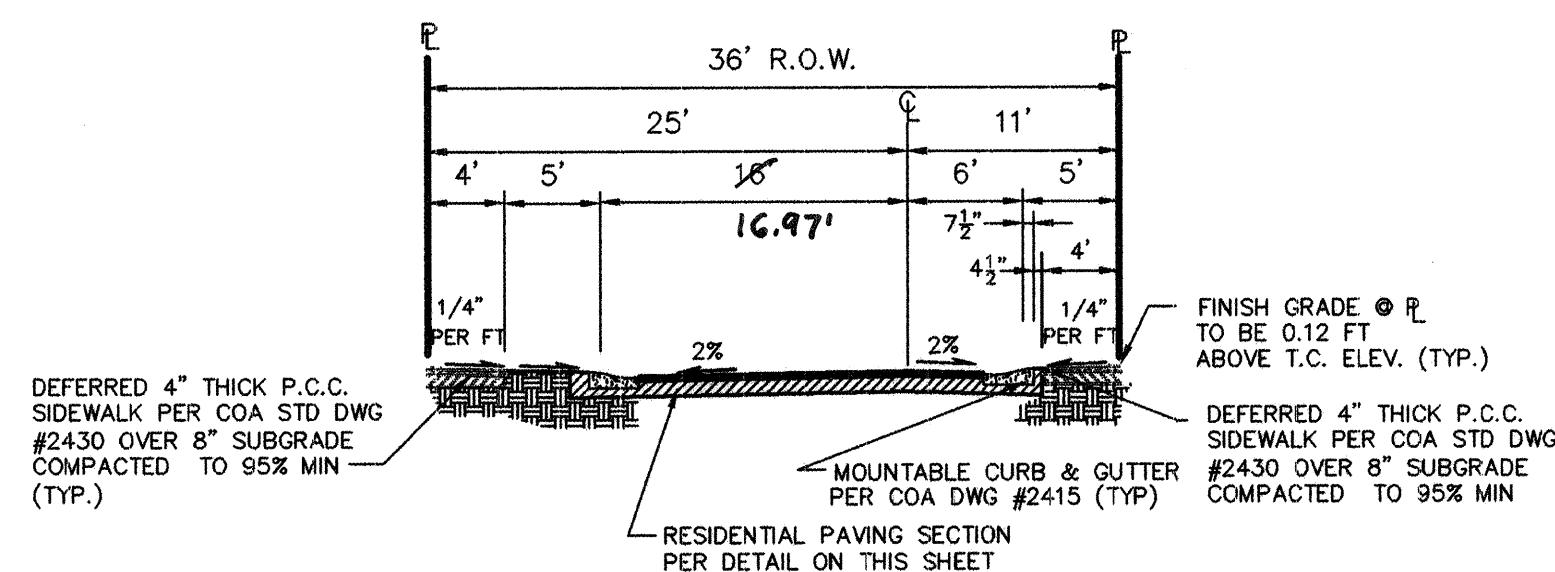
SECTION A3
TYPICAL 40' R.O.W. RESIDENTIAL STREET SECTION
1"=10'



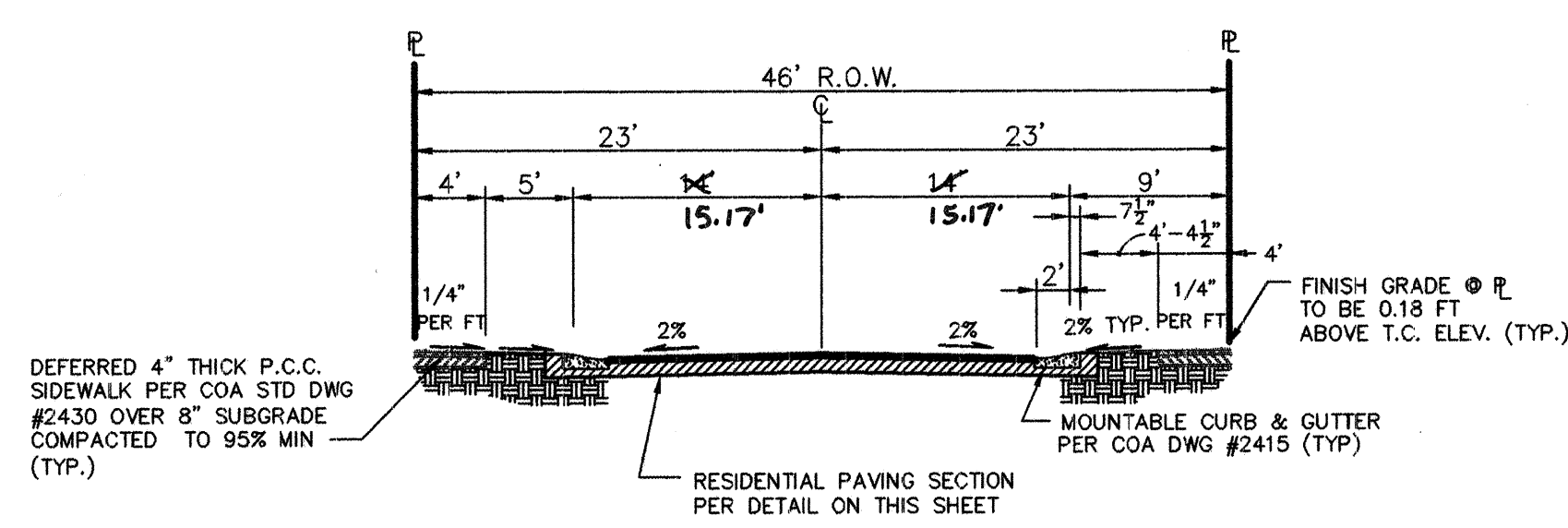
ALAMEDA BLVD. PAVING SECTION
SCALE: 1"= 1'-0" (PER COA STD. DWG. No. 2405)



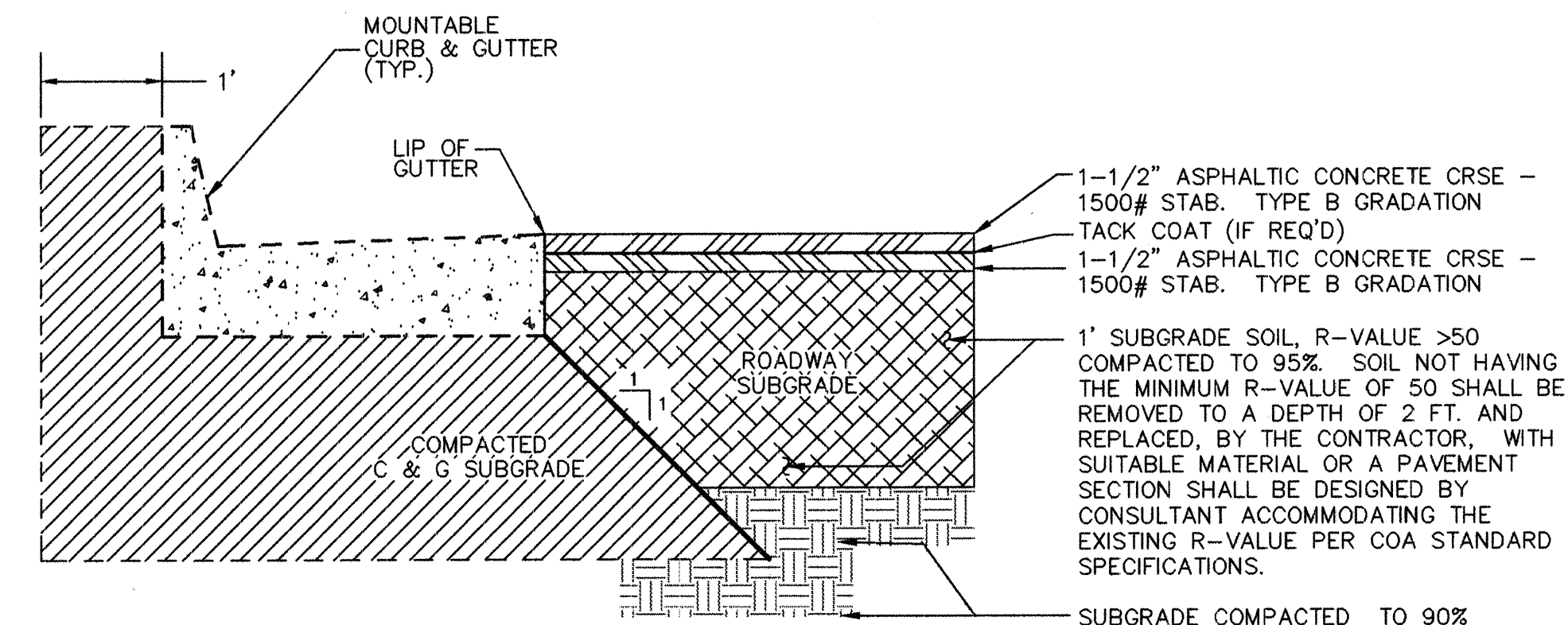
TEMPORARY PAVING SECTION
SCALE: 1" = 1'-0"



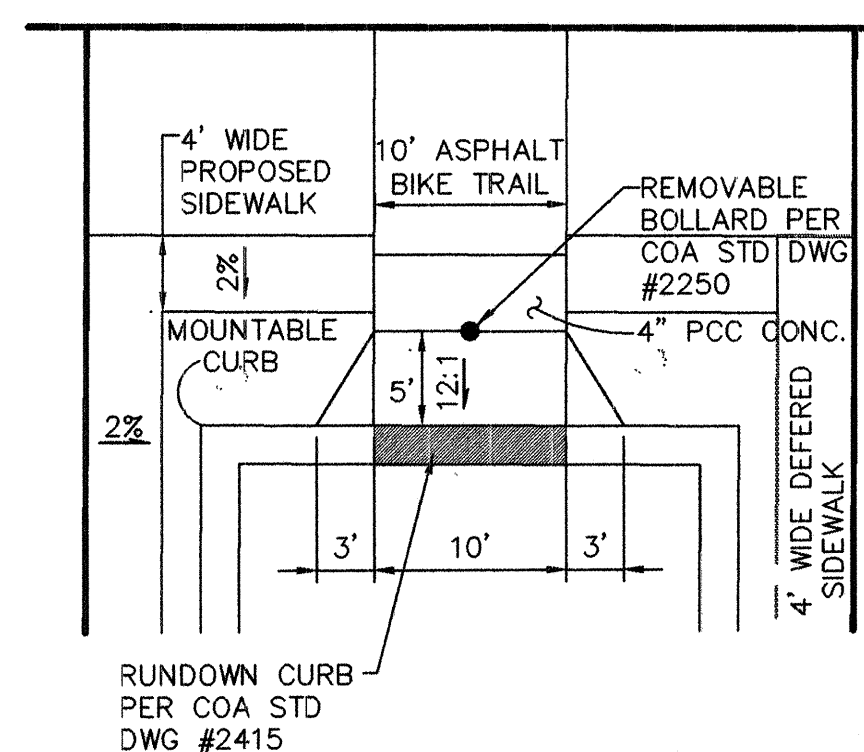
SECTION A4
TYPICAL 46' R.O.W. RESIDENTIAL STREET SECTION
1"=10'



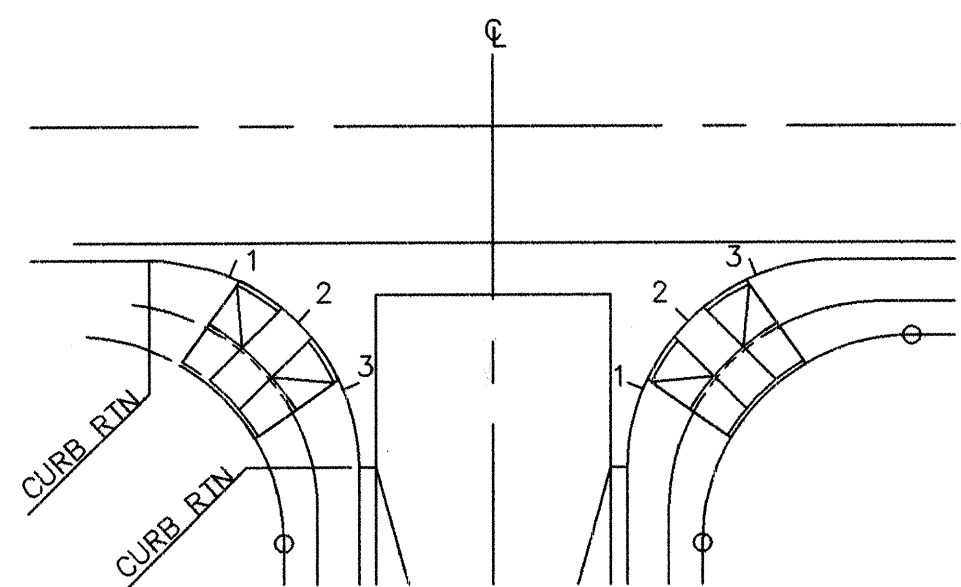
TYPICAL 46' R.O.W. RESIDENTIAL STREET SECTION
1"=10'



RESIDENTIAL PAVING SECTION
SCALE: 1"= 1'-0" (PER COA STD. DWG. No. 2405)

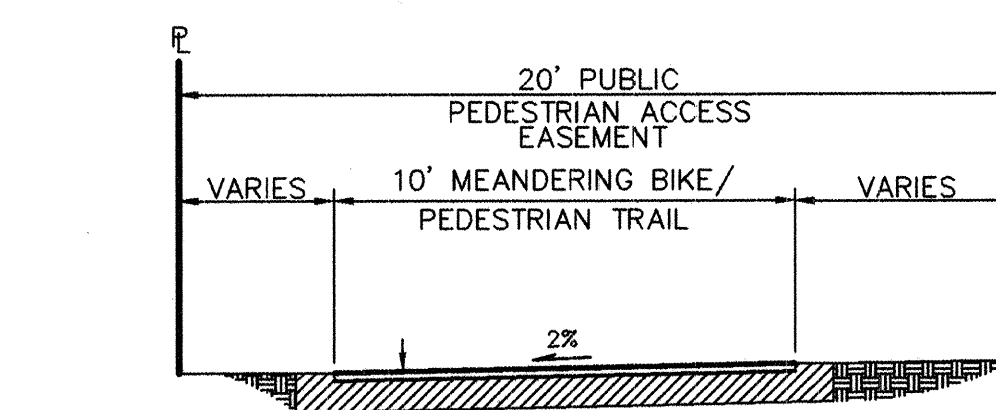


BIKE TRAIL RAMP DETAIL
1"=10'



NOTE:
QUARTER POINT GRADES ARE REFERENCED AS 1, 2 & 3
ALONG THE FACE OF CURB IN A CLOCKWISE DIRECTION.

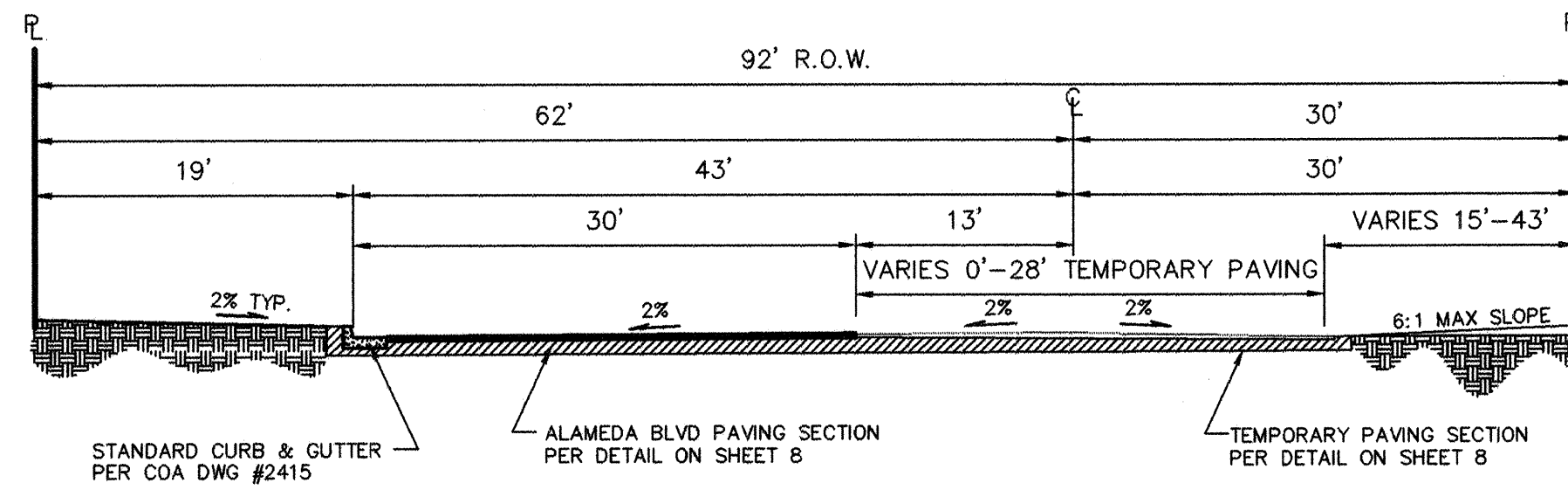
QUARTER POINT DETAIL
NTS



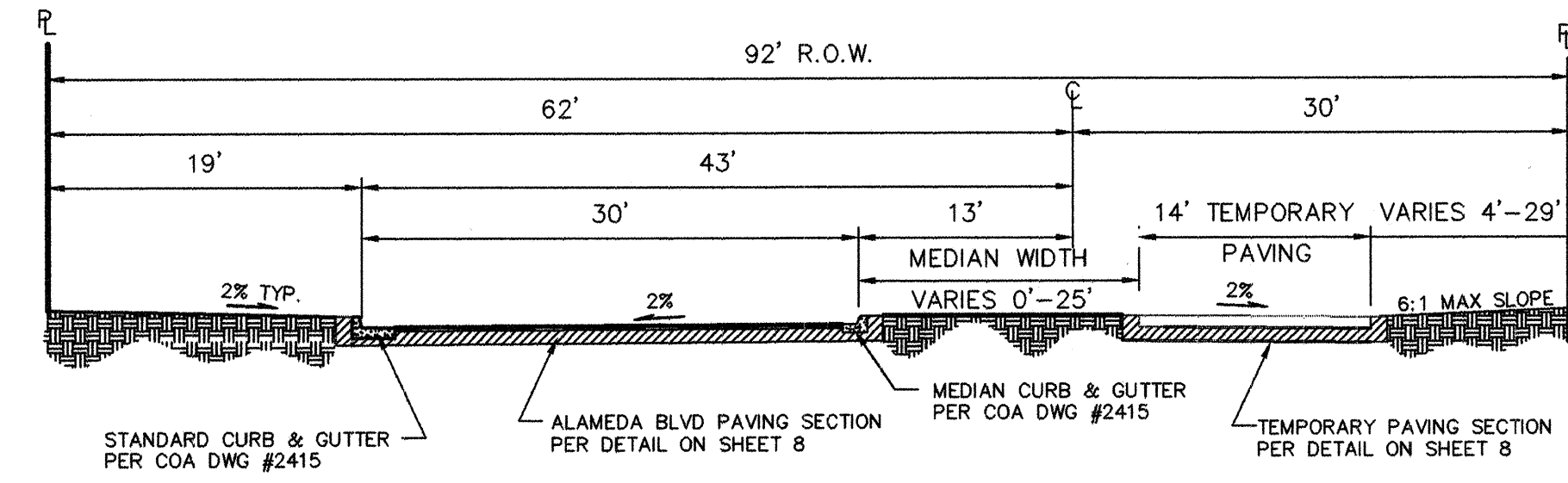
2" BIKE ASPHALT,
1500LB STABILIZATION,
TYPE 'C' GRADATION —
OVER 12" SUBGRADE
COMPACTED TO 95% MIN.

DETAIL A

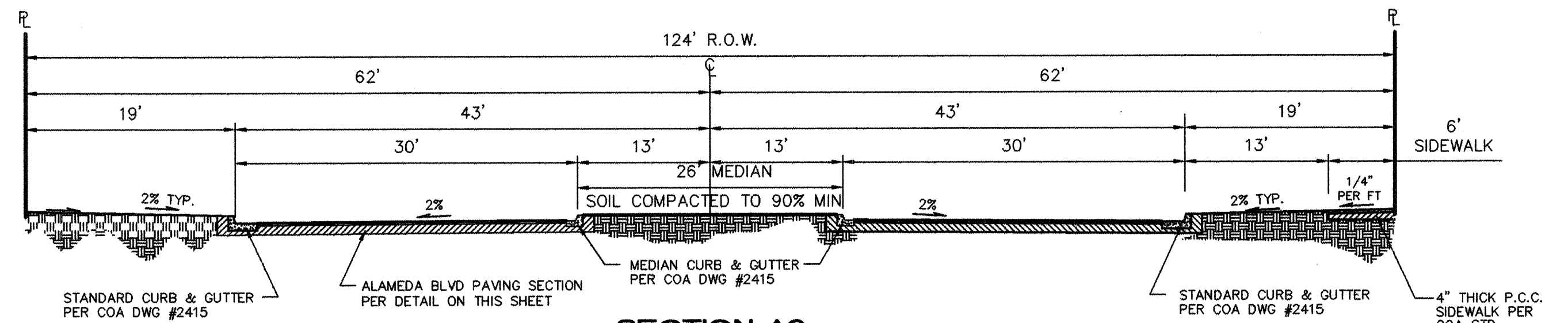
BIKE/PEDESTRIAN TRAIL
NTS[illegible]



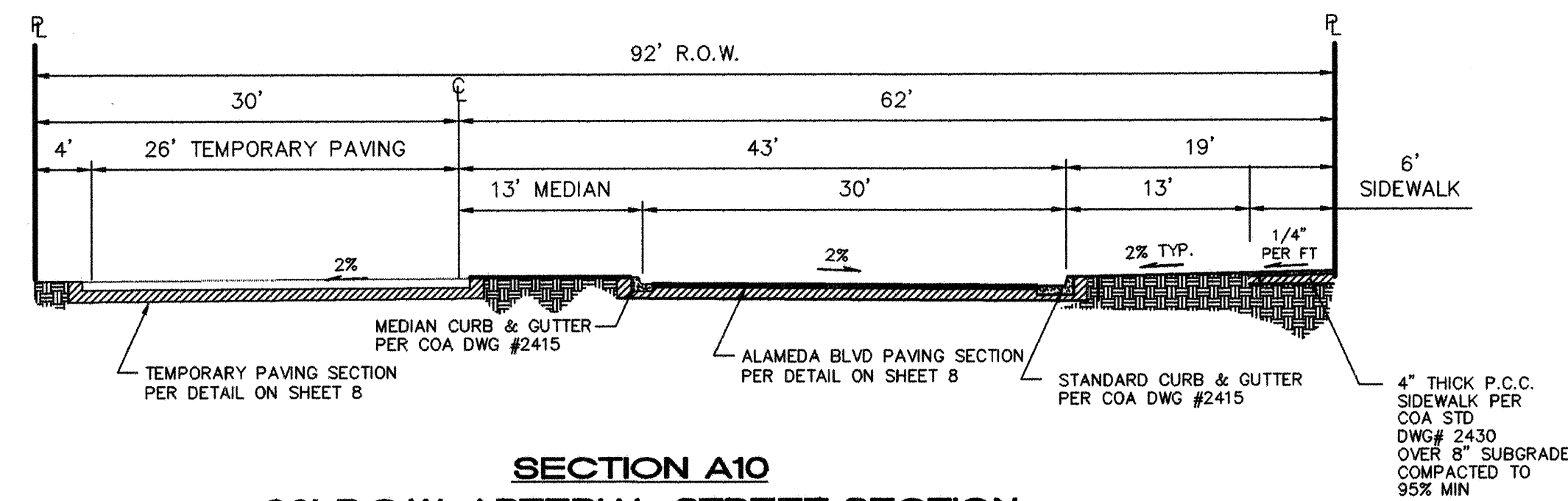
SECTION A7
92' R.O.W. ARTERIAL STREET SECTION
1"=10' STA 10+70.39 TO STA 14+36.90



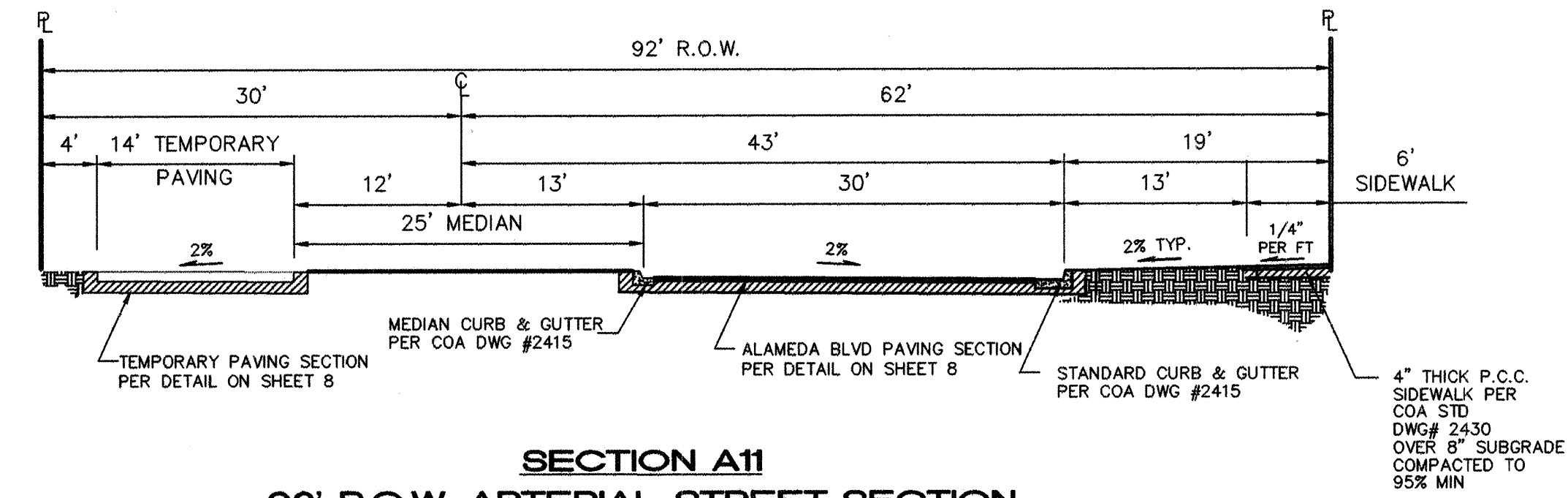
SECTION A8
92' R.O.W. ARTERIAL STREET SECTION
1"=10' STA 14+36.90 TO STA 18+26.12



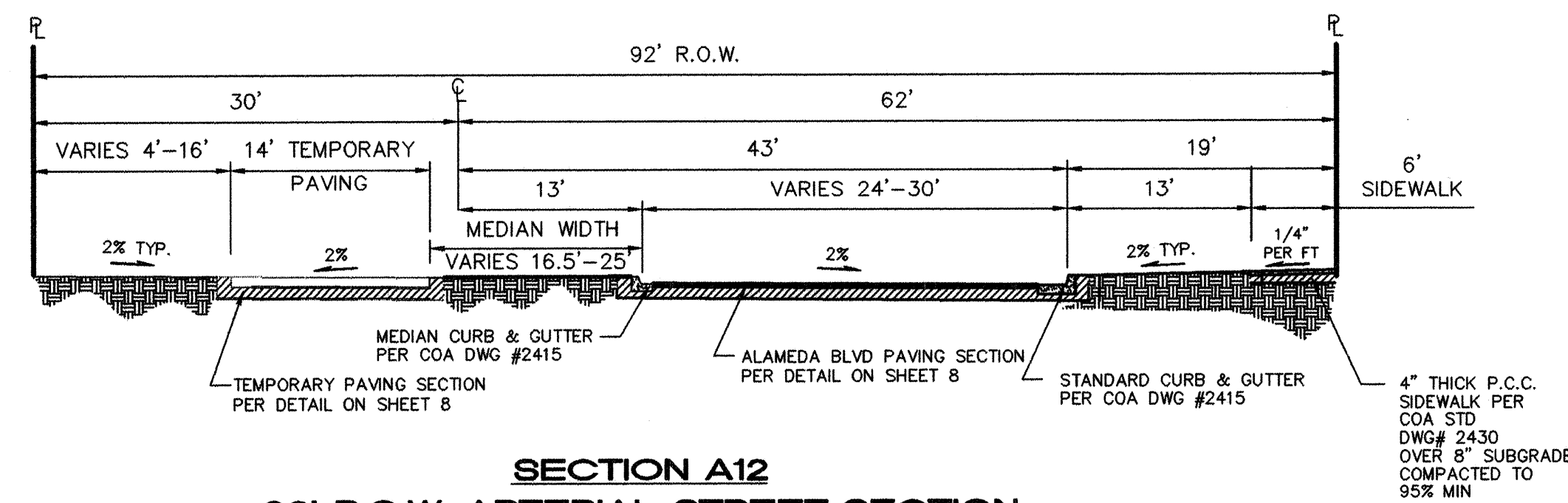
SECTION A9
TYPICAL 124' R.O.W. ARTERIAL STREET SECTION
1"=10' STA 18+26.12 TO STA 28+15.19



SECTION A10
92' R.O.W. ARTERIAL STREET SECTION
1"=10' STA 28+15.19 TO STA 29+32.48



SECTION A11
92' R.O.W. ARTERIAL STREET SECTION
1"=10' STA 29+32.48 TO STA 30+90.49



SECTION A12
92' R.O.W. ARTERIAL STREET SECTION
1"=10' STA 30+90.49 TO STA 33+38.27

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Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque, New Mexico
1257PMSTR-PH2.DWGmrj 10/07/03

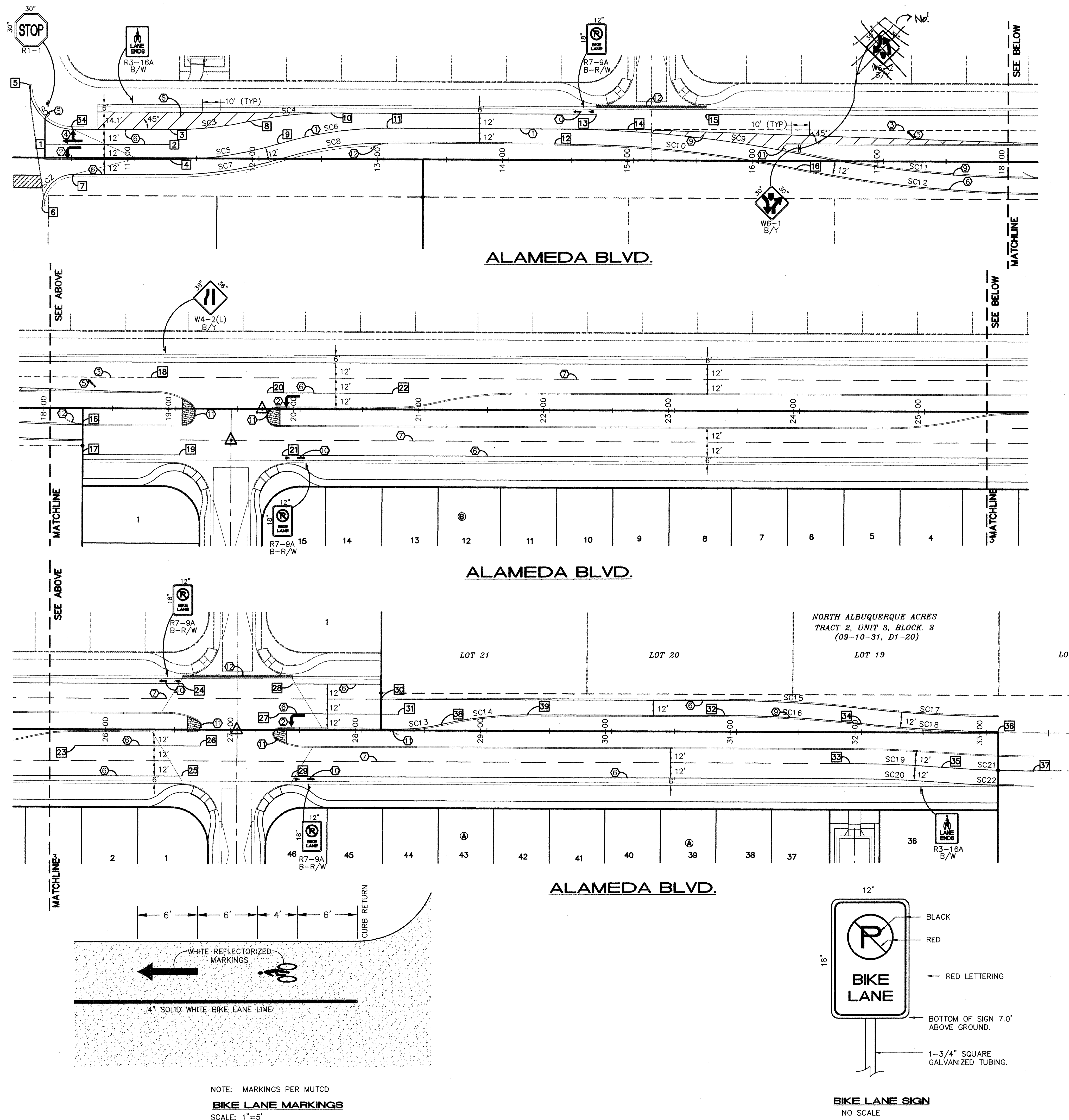
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: TREMENTINA SUBDIVISION
PAVING DETAILS & SECTION

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
NOV - 3 2003	DEC - 8 2003		

City Project No. 702482 Zone Map No. C-19

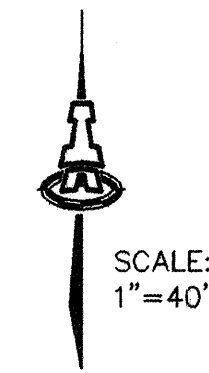
AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGN	
CONTRACTOR	SALES-BLOTH	BRASS CAP	1-25-11" SET IN CONCRETE POST ON EAST SIDE OF FRONTAGE ROAD NEAR THE SW CORNER OF THE CORONADO AIRFIELD	FIELD NOTES	ALDRICH SURVEYING 04/03	ENGINEER'S SEAL	GENIVIEVE L. DOMESTIC 15088 10/03	NO.	DATE	BY	DATE
INSPECTOR	SALES-BLOTH										
ACCEPTANCE BY	SALES-BLOTH										
DATE	10/07/03										
VERIFICATION BY	SALES-BLOTH										
DATE	10/07/03										
COMPARISON BY	SALES-BLOTH										
DATE	10/07/03										
RECORDED BY	SALES-BLOTH										
DATE	10/07/03										



STRIPING STATION TABLE		
STATION	STATION AND OFFSET	STATION TYPE
1	10+28.66, 10.84' LT	BEGIN
2	11+28.71, 10.47' LT	END
3	11+28.71, 22.97' LT	PC
4	11+81.99, 5.22' LT	END
5	10+15.98, 57.89' LT	BEGIN
6	10+26.86, 38.54' RT	BEGIN
7	10+51.82, 13.13' RT	PT
8	11+92.81, 29.99' LT	PCC
9	12+15.72, 11.99' LT	PCC
10	12+57.30, 37.00' LT	PT
11	13+03.12, 25.00' LT	PT
12	14+36.90, 13.00' LT	PC
13	14+70.05, 37.00' LT	END
14	14+95.40, 25.00' LT	END / BEGIN
15	15+58.05, 37.00' LT	BEGIN
16	18+26.10, 13.00' RT	PT
17	18+26.12, 37.00' RT	BEGIN
18	18+80.88, 25.00' LT	END / BEGIN
19	19+03.88, 37.00' RT	END
20	19+73.88, 13.00' LT	BEGIN
21	19+85.88, 37.00' RT	BEGIN
22	20+73.88, 13.00' LT	END
23	25+70.50, 13.00' RT	BEGIN
24	26+56.08, 37.00' LT	END
25	26+56.03, 37.00' RT	END
26	26+70.50, 13.00' RT	END
27	27+33.46, 13.00' LT	BEGIN
28	27+44.11, 37.00' LT	BEGIN
29	27+44.03, 37.00' RT	BEGIN
30	28+15.19, 25.00' LT	END / BEGIN
31	28+29.04, 13.00' LT	END
32	30+90.49, 13.00' LT	PC
33	31+90.33, 25.00' RT	PC
34	31+99.66, 07.02' LT	PCC
35	32+64.56, 27.69' RT	PCC
36	33+09.63, 00.97' LT	END
37	33+38.27, 30.38' RT	END
38	28+63.51, 04.99' LT	PCC
39	29+32.48, 13.00' LT	PT

- KEYED CONSTRUCTION NOTES**
- DOUBLE SOLID 4" YELLOW STRIPE
 - 8' LEFT TURN ARROW (WHITE)
 - 8" WHITE ELEPHANT TRACKING (3' STRIPE, 7" GAP)
 - 8' STRAIGHT & RIGHT TURN ARROW (WHITE)
 - 8' MERGE RIGHT ARROW (WHITE)
 - SOLID 4" WHITE STRIPE
 - DASHED 4" WHITE STRIPE (10' STRIPE/30' GAP)
 - SOLID 12" STOPBAR (WHITE)
 - SOLID 4" YELLOW STRIPE
 - PAINT MEDIAN NOSE W/ REFLECTIVE YELLOW PAINT
 - PAINT ASPHALT CURB W/ REFLECTIVE WHITE PAINT

CURVE TABLE			
CURVE	RADIUS	LENGTH	DELTA
SC1	35.00	55.05	90°07'09"
SC2	25.00	39.65	90°52'04"
SC3	300.00	64.60	12°20'16"
SC4	300.00	65.00	12°24'52"
SC5	300.00	88.29	16°51'43"
SC6	300.00	88.69	16°56'19"
SC7	312.00	91.84	16°51'53"
SC8	288.00	85.14	16°56'19"
SC9	1012.00	197.00	11°09'12"
SC10	1000.00	194.66	11°09'12"
SC11	1000.00	194.66	11°09'12"
SC12	1012.00	197.00	11°09'12"
SC13	150.00	34.68	13°14'48"
SC14	301.00	69.59	13°14'48"
SC15	1012.00	110.70	6°16'03"
SC16	1000.00	109.39	6°16'03"
SC17	1000.00	108.89	6°14'20"
SC18	1012.00	110.19	6°14'20"
SC19	1012.00	73.80	4°10'41"
SC20	1000.00	72.92	4°10'41"
SC21	1012.00	73.78	4°10'38"
SC22	1024.00	74.66	4°10'38"



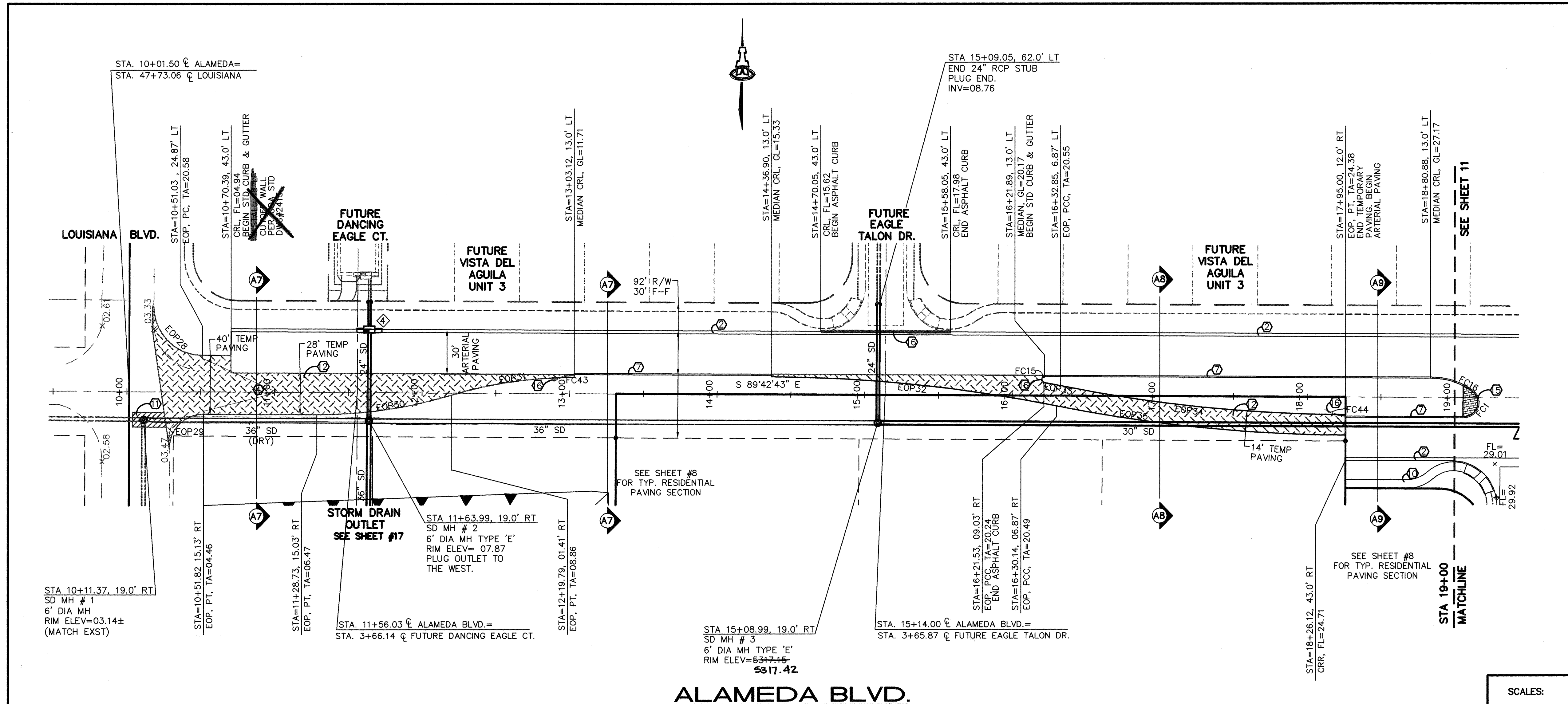
ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque, New Mexico 87102
1257STRP-PH2.DWG/mrj 10/07/03

**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP**

**TITLE: TREMENTINA SUBDIVISION
ALAMEDA BLVD. STRIPING SIGNING PLAN**

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
NOV - 3 2003	APPROVED		
DESIGN	CITY ENGINEER		
City Project No. 702482	Zone-Map No. C-19	Sheet 9	Of 31

SCANNED BY
MESA REPRO



SCALES:
1"=40' HOR.
1"=10' VERT.

KEYED CONSTRUCTION NOTES

1. CONSTRUCT HANDICAP RAMP PER COA STD DWG #2441, CASE 2.
2. STANDARD CURB & GUTTER PER COA STD DWG #2415.
3. CONSTRUCT PCC VALLEY GUTTER 6' WIDE, 1 1/2" INVERT PER COA STD DWG #2420.
4. CROWN TO NO CROWN TRANSITION 50' MIN. LENGTH PER COA STD DWG #2401.
5. TRANSITION FROM MOUNTABLE TO STANDARD CURB PER COA STD DWG #2418.
6. MOUNTABLE CURB & GUTTER PER COA STD DWG #2415.
7. MEDIAN CURB & GUTTER PER COA STD DWG #2415.
8. CONSTRUCT 4' PCC SIDEWALK PER COA STD DWG #2430.
9. DEFERRED 4' PCC SIDEWALK PER COA STD DWG #2430.
10. CONSTRUCT 6' PCC SIDEWALK PER COA STD DWG #2430.
11. SAWCUT, REMOVE & REPLACE EXIST PAVING PER COA STD DWG #2465. FOR ARTERIAL STREETS.
12. TEMPORARY PAVING PER SECTION ON SHEET 8.
13. NOT USED
14. 10' WIDE MEANDERING BIKE/PEDESTRIAN PATH PER DETAIL ON SHEET 8.
15. 4" THICK PATTERNED CONCRETE COLORED TAN PER COA STD DWG #2408
16. 8" ASPHALT CURB PER COA STD DWG #2415.
17. CONSTRUCT HANDICAP RAMP PER ARTERIAL WHEELCHAIR RAMP DETAIL ON SHEET 8.

FACE OF CURB CURVE TABLE

CURVE	RADIUS	LENGTH	DELTA
FC1	9.60	24.51	146°16'19"
FC15	2.00	5.92	169°29'56"
FC16	50.00	29.43	33°43'41"
FC43	25.00	15.00	34°22'39"
FC44	25.00	15.00	34°22'39"

EDGE OF PAVEMENT CURVE TABLE

CURVE	RADIUS	LENGTH	DELTA
EOP28	33.00	51.90	90°07'09"
EOP29	23.00	36.48	90°52'04"
EOP30	314.00	92.41	16°51'43"
EOP31	286.00	74.33	14°53'29"
EOP32	999.00	194.47	11°09'12"
EOP33	1013.00	11.53	0°39'08"
EOP34	1000.65	194.46	11°08'05"
EOP35	1013.00	197.20	11°09'14"

STORM DRAIN INLET INFORMATION

INLET NO. 	INLET TYPE	STATION* & OFFSET	TOP GR. EL.	INV. OUT
4	SGL A	11+62.31, 43.0' LT	07.11	99.36

* STATIONING IS TO MIDPOINT OF GRATE @ FACE OF CURB

CONNECTOR PIPE INFORMATION

FROM INLET NO. 	DIA. (IN)	LENGTH (FT)	SLOPE (FT/FT)
4	24	62.03	0.0050



ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque New Mexico
/1-P2.DWG (ts) VIEW: 1 10/03/03

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: TREMENTINA SUBDIVISION
ALAMEDA BLVD.
STA 10+00.00 TO STA 19+00.00
PAVING & STORM DRAIN PLAN & PROFILE

Design Review Committee	City Engineer Approval
-------------------------	------------------------

NOV - 3 2003 DESIGN	APPROVED DEC - 8 2003 CH/ENGINEER
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City Project No. _____ Zone Map No. _____

[illegible]

BENCH MARK

NNMSHC BRASS CAP "1'-25"-11" SET IN CONCRETE POST ON
ON EAST SIDE OF FRONTAGE ROAD NEAR THE SW CORNER OF
THE CORONADO AIRFIELD

ELEVATION=5206.94 (NGVD 1929)

[illegible]

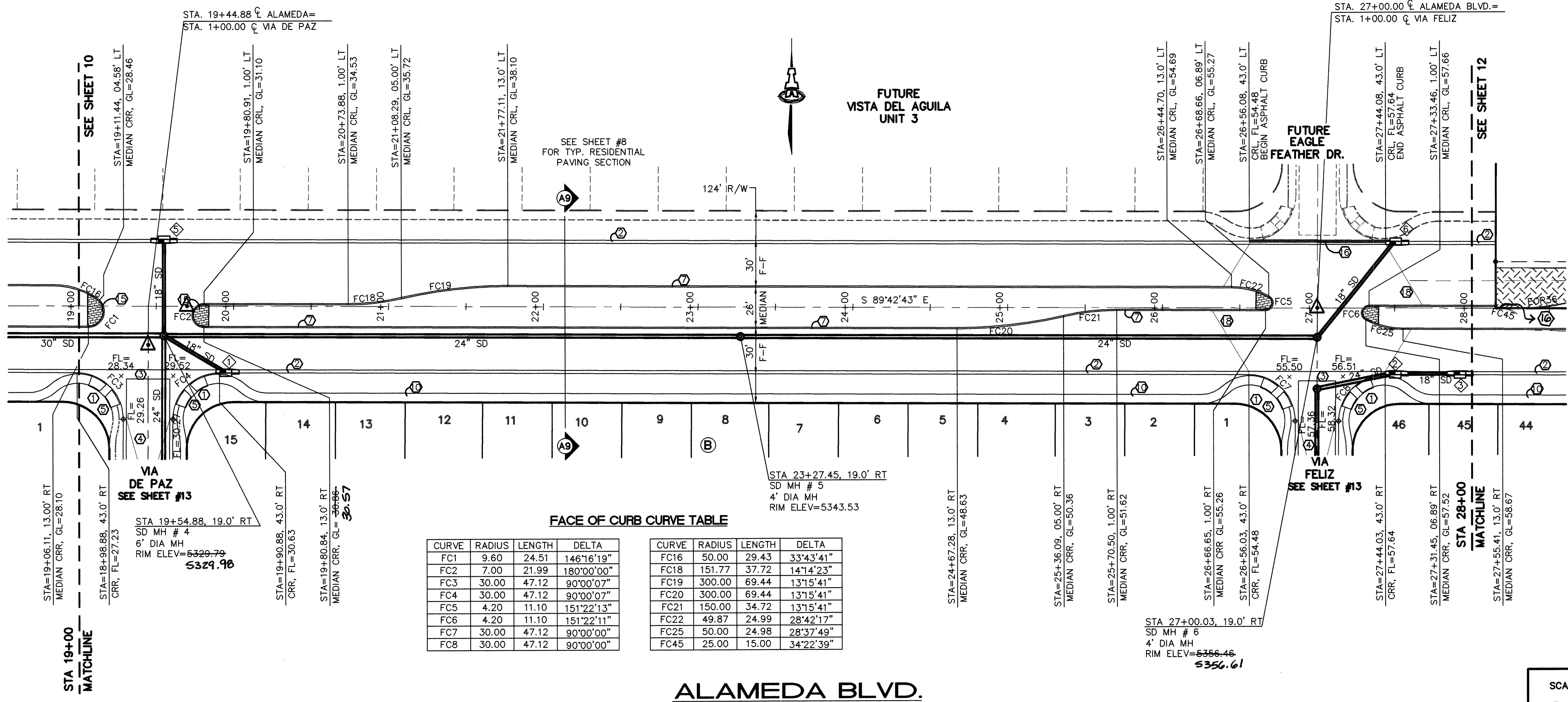
ENGINEER'S SEAL

GENIEVEVE L. DONARI
NEW MEXICO
15088
10/8/09
LICENSED PROFESSIONAL ENGINEER
Garcia

NO.		DATE	REMARKS	BY
<i>REVISIONS</i>				
<i>DESIGN</i>				
DESIGNED BY	G.L.D.	DATE	04/03	
DRAWN BY	R.F.H.	DATE	04/03	
CHECKED BY	G.L.D.	DATE	04/03	

SIGNATURE	
DATE	TIME
SECTION	
NO.	
& PROFILE	
Mo./Day/Yr.	Mo./Day/Yr.
Sheet	Of
10	31

SCANNED BY
MESA REPRO



SCALES:
1"=40' HOR.
1"=10' VERT.

STORM DRAIN INLET INFORMATION

INLET NO. 	INLET TYPE	STATION* & OFFSET	TOP GR. EL.	INV. OUT
1	SGL A	19+95.63, 43.0' RT	30.57	25.30
2	DBL C	27+48.78, 43.0' RT	28.83 28.50	55.10
3	SGL A	27+90.61, 43.0' RT	29.44 29.16	55.94 55.66
5	SGL A	19+53.15, 43.0' LT	29.00	25.30
6	DBL A	27+48.83, 43.0' LT	27.59 27.27	54.10

* STATIONING IS TO MIDPOINT OF GRATE @ FACE OF CURB

CONNECTOR PIPE INFORMATION

FROM INLET NO. 	DIA. (IN)	LENGTH (FT)	SLOPE (FT/FT)
1	18"	43.06	0.0418
2	24"	49.60	0.0696
3	18"	41.83	0.0120
5	18"	62.02	0.0290
6	18"	78.90	0.0215

 **ISAACSON & ARFMAN, P.A.**
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque New Mexico
1257PV1-P2.DWGjts VIEW: 2 10/03/03

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: TREMENTINA SUBDIVISION
ALAMEDA BLVD.
STA 19+00.00 TO STA28+00.00
PAVING & STORM DRAIN PLAN & PROFILE

Design Review Committee	City Engineer Approval
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IMPROVE

NOV - 3 2003 DEC - 8 2003

DESIGN CITY ENGINE

City Project No.	Zone M
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702482	C-
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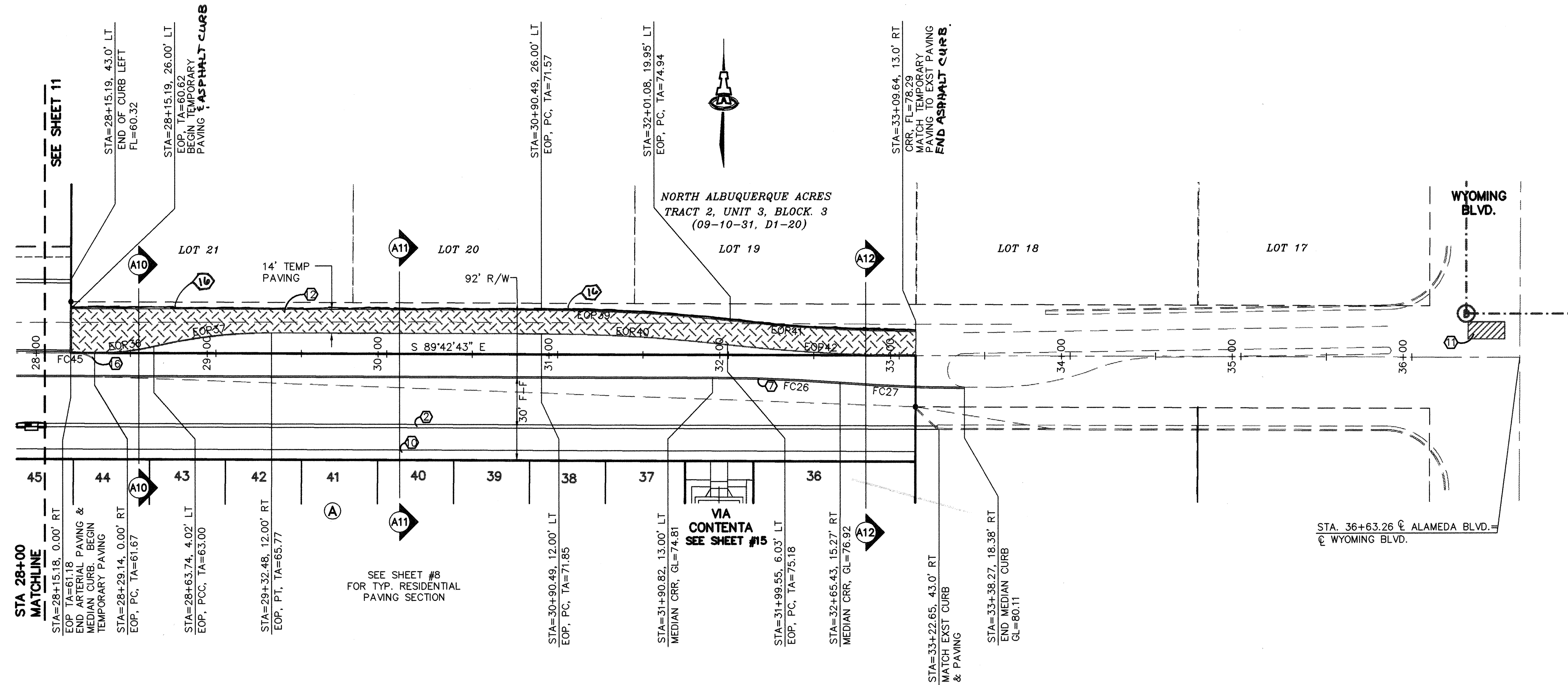
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Mo./Day/Yr.	Mo./Day/Yr.

Sheet Of 31



ALAMEDA BLVD.

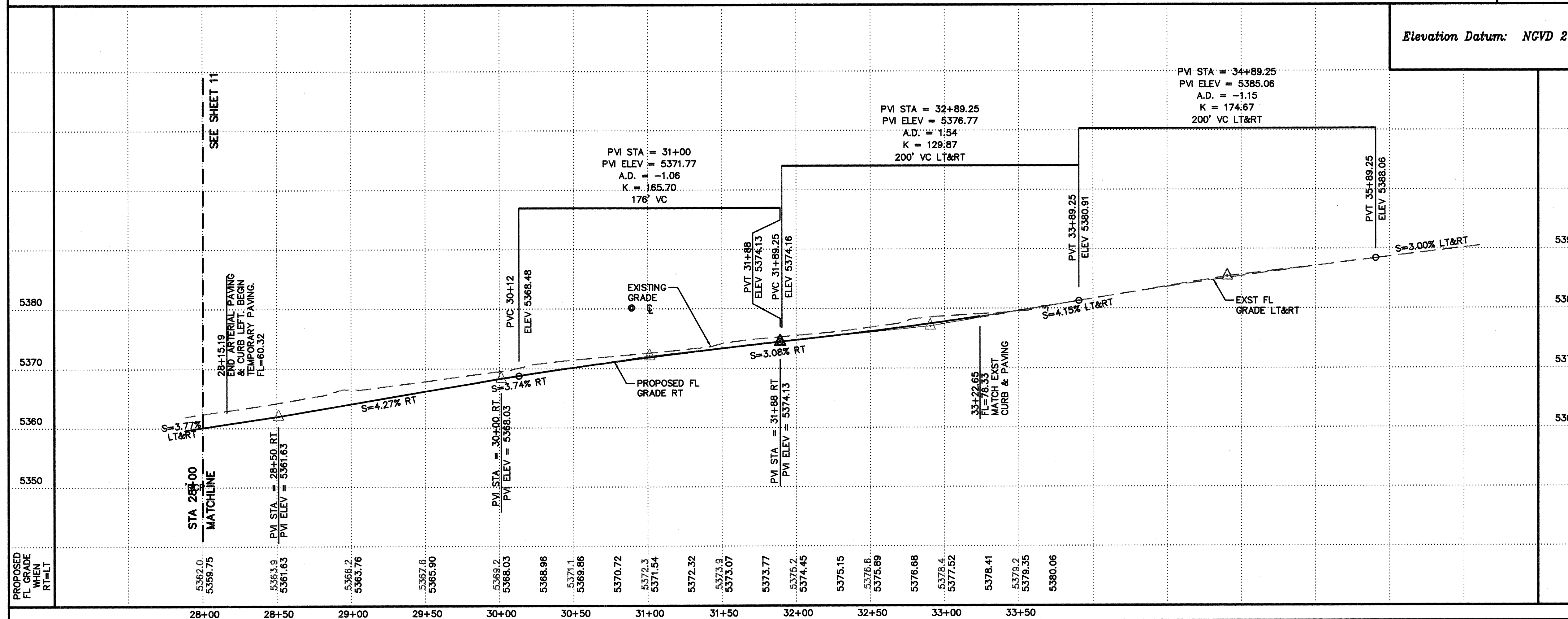
SCALES:
1"=40' HOR.
1"=10' VERT.

FACE OF CURB CURVE TABLE

CURVE	RADIUS	LENGTH	DELTA
FC26	1024.00	74.67	4°10'41"
FC27	1000.00	72.91	4°10'38"
FC45	25.00	15.00	34°22'39"

EDGE OF PAVEMENT CURVE TABLE

CURVE	RADIUS	LENGTH	DELTA
EOP36	151.00	34.91	13°14'48"
EOP37	300.00	69.36	13°14'48"
EOP39	1013.00	110.81	6°16'03"
EOP40	999.00	109.28	6°16'03"
EOP41	999.00	108.78	6°14'20"
EOP42	1013.00	110.30	6°14'20"



Elevation Datum: NGVD 29



ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
 128 Monroe Street N.E.
 Albuquerque New Mexico
 1257PV1-P2.DWGits VIEW: 3 07/25/03

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: TREMENTINA SUBDIVISION
ALAMEDA BLVD.
STA 28+00.00 TO STA 36+60.00
PAVING & STORM DRAIN PLAN & PROFILE

Design Review Committee	City Engineer Approval	Date	Mo./Day/Yr.
-------------------------	------------------------	------	-------------

... **APPROVED** **DESIGN UPDATE**

DESIGN CITY ENGINEER

City Project No.	Zone Map No.	Sheet
722-182	2-12	12

ENGINEER'S SEAL

GENEVEIVE L. DUNLAP
NEW MEXICO
15088
10/8/03
LICENSED PROFESSIONAL ENGINEER

Genevieve L. Dunlap

[illegible]

IT	
ON D. 0.00 PROFILE	
Mo./Day/Yr.	Mo./Day/Yr.
Sheet	Of 31

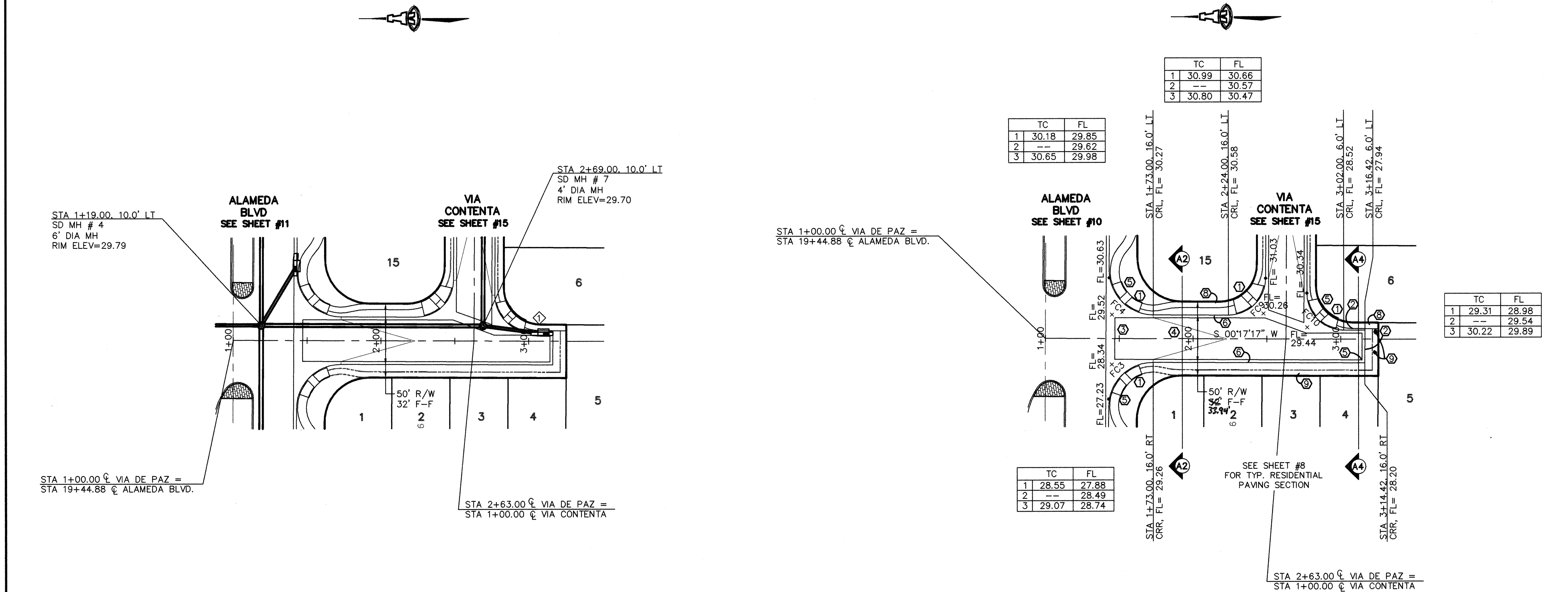
KEYED CONSTRUCTION NOTES 

1. CONSTRUCT HANDICAP RAMP PER COA STD DWG #2441, CASE 2.
2. STANDARD CURB & GUTTER PER COA STD DWG #2415.
3. CONSTRUCT PCC VALLEY GUTTER 6' WIDE, 1 1/2" INVERT PER COA STD DWG #2420.
4. CROWN TO NO CROWN TRANSITION 50' MIN. LENGTH PER COA STD DWG #2401.
5. TRANSITION FROM MOUNTABLE TO STANDARD CURB PER COA STD DWG #2418.
6. MOUNTABLE CURB & GUTTER PER COA STD DWG #2415.
7. MEDIAN CURB & GUTTER PER COA STD DWG #2415.
8. CONSTRUCT 4' PCC SIDEWALK PER COA STD DWG #2430.
9. DEFERRED 4' PCC SIDEWALK PER COA STD DWG #2430.
10. CONSTRUCT 6' PCC SIDEWALK PER COA STD DWG #2430.
11. SAWCUT, REMOVE & REPLACE EXST PAVING PER COA STD DWG #2465. FOR ARTERIAL STREETS.
12. TEMPORARY PAVING PER SECTION ON SHEET 8.
13. NOT USED
14. 10' WIDE MEANDERING BIKE/PEDESTRIAN PATH PER DETAIL ON SHEET 8.
15. 4" THICK PATTERNED CONCRETE COLORED TAN PER COA STD DWG #2408
16. 8" ASPHALT CURB PER COA STD DWG #2415. **PAINT WHITE ACTIVE PAINT.**
17. CONSTRUCT HANDICAP RAMP PER ARTERIAL WHEELCHAIR RAMP DETAIL ON SHEET 8.

CONTRACTOR	SALLS - BROTHER	DATE	10/20/64
WORK ORDER NO.	514	DATE	10/20/64
WORKED BY	SKY	DATE	10/20/64
INSPECTOR'S	CONSL	DATE	10/20/64
ACCEPTANCE BY	J. A. KIMBLE	DATE	10/20/64
FIELD LOCATION BY	DAVID	DATE	10/20/64
DRAWINGS	OK	DATE	10/20/64
CORRECTED BY	SKY	DATE	10/20/64
MICRO-FILM INFORMATION		DATE	
RECORDED BY			
NO.			

BENCH MARKS
NWSHC BRASS CAP "1-25-11" SET IN CONCRETE POST ON
ON EAST SIDE OF FRONTAGE ROAD NEAR THE SW CORNER OF
THE CORONADO AIRFIELD
ELEVATION=5206.94 (NGVD 1929)

[illegible]

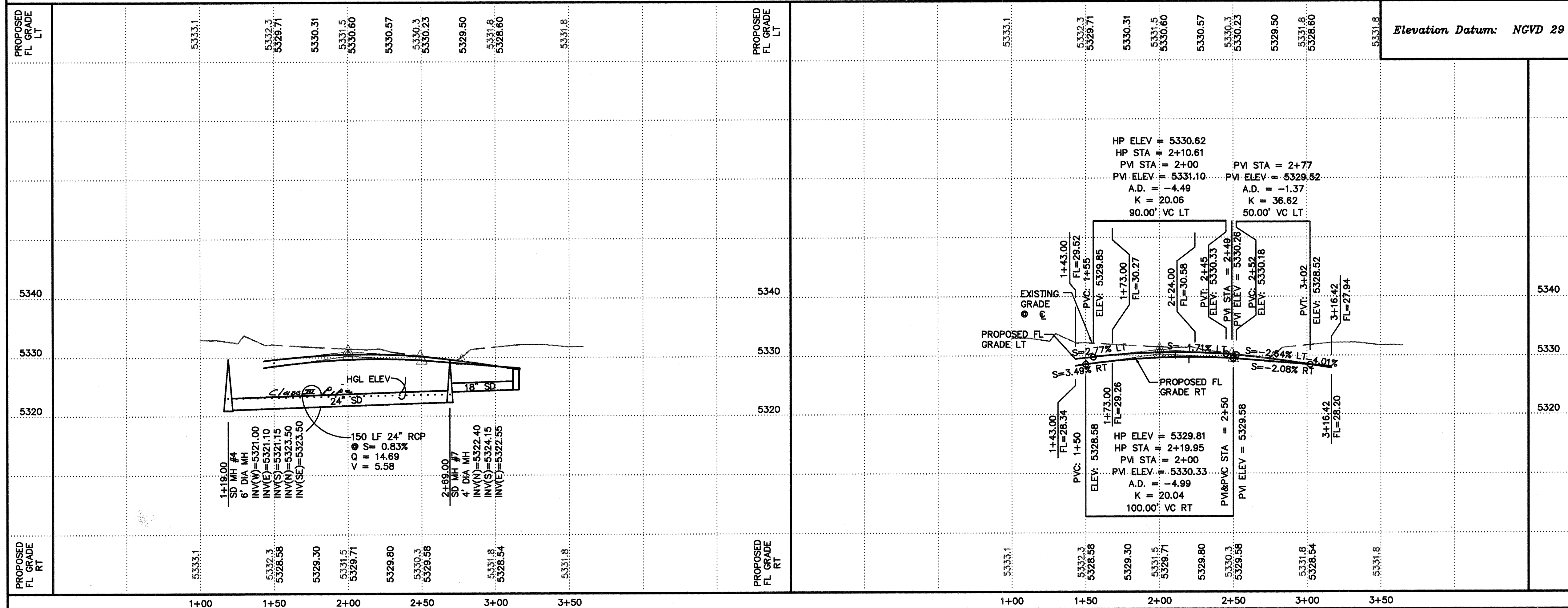


STORM DRAIN

VIA DE PAZ

PAVING

SCALES:
1"=40' HOR.
1"=10' VERT.



KEYED CONSTRUCTION NOTES

- CONSTRUCT HANDICAP RAMP PER COA STD DWG #2441, CASE 2.
- STANDARD CURB & GUTTER PER COA STD DWG #2415.
- CONSTRUCT PCC VALLEY GUTTER 6' WIDE, 1 1/2" INVERT PER COA STD DWG #2420.
- CROWN TO NO CROWN TRANSITION 50' MIN. LENGTH PER COA STD DWG #2401.
- TRANSITION FROM MOUNTABLE TO STANDARD CURB PER COA STD DWG #2418.
- MOUNTABLE CURB & GUTTER PER COA STD DWG #2415.
- MEDIAN CURB & GUTTER PER COA STD DWG #2415.
- CONSTRUCT 4' PCC SIDEWALK PER COA STD DWG #2430.
- DEFERRED 4' PCC SIDEWALK PER COA STD DWG #2430.
- CONSTRUCT 6' PCC SIDEWALK PER COA STD DWG #2430.
- SAWCUT, REMOVE & REPLACE EXST PAVING PER COA STD DWG #2465, FOR ARTERIAL STREETS.
- TEMPORARY PAVING PER SECTION ON SHEET 8.
- NOT USED
- 10' WIDE MEANDERING BIKE/PEDESTRIAN PATH PER DETAIL ON SHEET 8.
- 4" THICK PATTERNED CONCRETE COLORED TAN PER COA STD DWG #2408
- 8" ASPHALT CURB PER COA STD DWG #2415.
- CONSTRUCT HANDICAP RAMP PER ARTERIAL WHEELCHAIR RAMP DETAIL ON SHEET 8.

FACE OF CURB CURVE TABLE

CURVE	RADIUS	LENGTH	DELTA
FC3	30.00	47.12	90°00'07"
FC4	30.00	47.12	90°00'07"
FC9	25.00	39.27	90°00'00"
FC10	25.00	39.27	90°00'00"

STORM DRAIN INLET INFORMATION

INLET NO.	INLET TYPE	STATION* & OFFSET	TOP GR. EL.	INV. OUT
1	DBL C	03+11.67, 6.00' LT	27.90	24.50

*STATIONING IS TO MIDPOINT OF GRATE @ FACE OF CURB

CONNECTOR PIPE INFORMATION

FROM INLET NO.	DIA. (IN)	LENGTH (FT)	SLOPE (FT/FT)
1	18	42.86	0.0093

ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque, New Mexico
1257PV2-P2.DWGmjr VIEW 1 10/07/03

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: TREMENTINA SUBDIVISION
VIA DE PAZ
STA 1+00.00 TO END
PAVING & STORM DRAIN PLAN & PROFILE

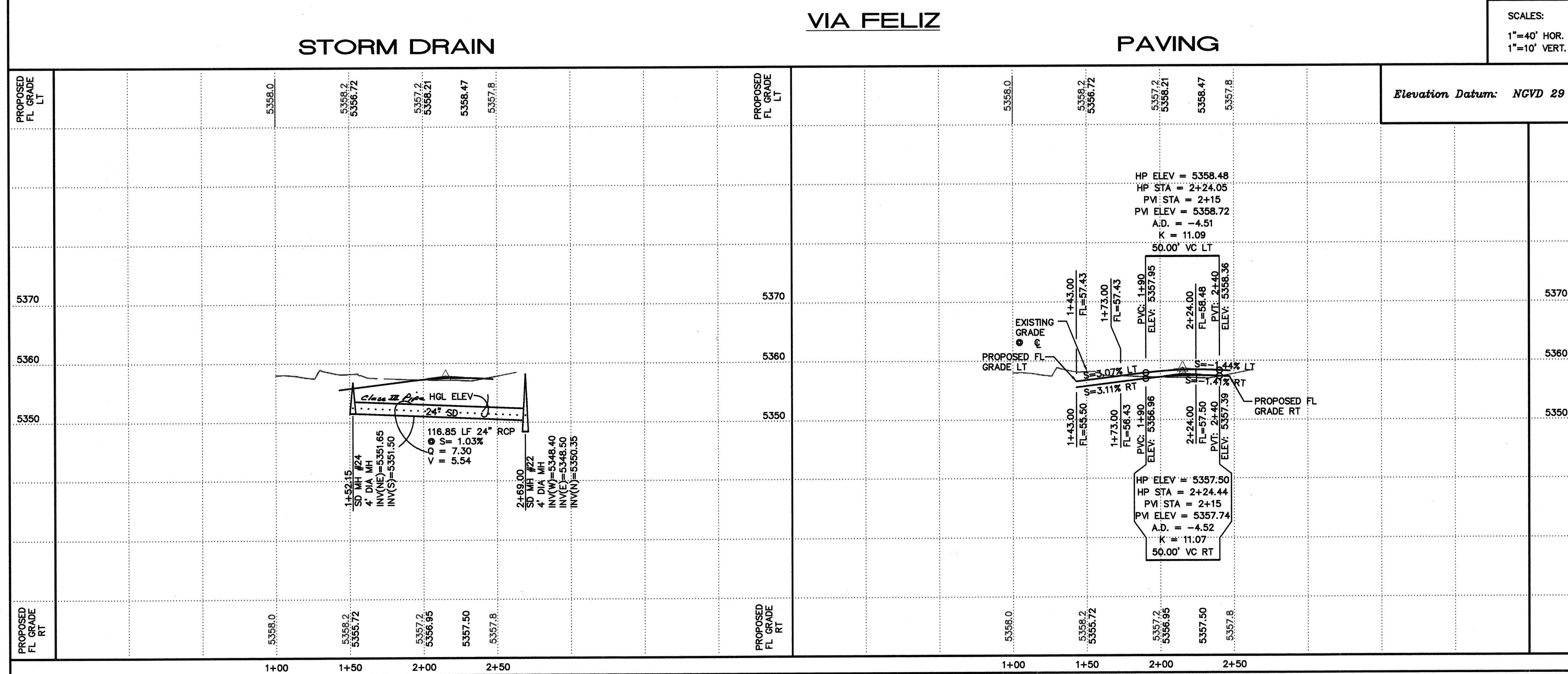
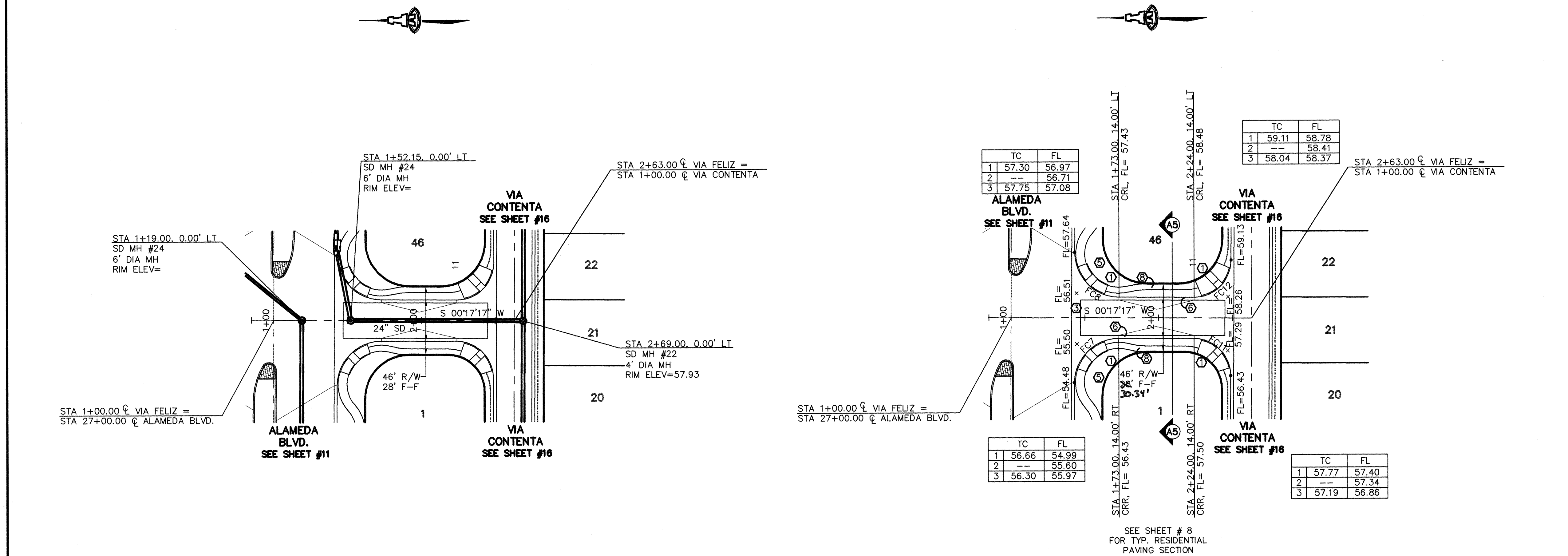
Design Review Committee: City Engineer Approval
NOV - 3 2003
DEC - 8 2003
CITY ENGINEER

City Project No. 702482 Zone Map No. C-19 Sheet 13 Of 31



REVISIONS
NO. DATE
DESIGNED BY GLD DATE 04/03
DRAWN BY RPH DATE 04/03
CHECKED BY GLD DATE 04/03

SCANNED BY
MESA REPRO



- KEYED CONSTRUCTION NOTES**
1. CONSTRUCT HANDICAP RAMP PER COA STD DWG #2441, CASE 2.
 2. STANDARD CURB & GUTTER PER COA STD DWG #2415.
 3. CONSTRUCT PCC VALLEY GUTTER 6' WIDE, 1 1/2" INVERT PER COA STD DWG #2420.
 4. CROWN TO NO CROWN TRANSITION 50' MIN. LENGTH PER COA STD DWG #2401.
 5. TRANSITION FROM MOUNTABLE TO STANDARD CURB PER COA STD DWG #2418.
 6. MOUNTABLE CURB & GUTTER PER COA STD DWG #2415.
 7. MEDIAN CURB & GUTTER PER COA STD DWG #2415.
 8. CONSTRUCT 4' PCC SIDEWALK PER COA STD DWG #2430.
 9. DEFERRED 4' PCC SIDEWALK PER COA STD DWG #2430.
 10. CONSTRUCT 6' PCC SIDEWALK PER COA STD DWG #2430.
 11. SAWCUT, REMOVE & REPLACE EXST PAVING PER COA STD DWG #2465. FOR ARTERIAL STREETS.
 12. TEMPORARY PAVING PER SECTION ON SHEET 8.
 13. NOT USED.
 14. 10' WDE MEANDERING BIKE/PEDESTRIAN PATH PER DETAIL ON SHEET 8.
 15. 4" THICK PATTERNED CONCRETE COLORED TAN PER COA STD DWG #2408.
 16. 8" ASPHALT CURB PER COA STD DWG #2415.
 17. CONSTRUCT HANDICAP RAMP PER ARTERIAL WHEELCHAIR RAMP DETAIL ON SHEET 8.

FACE OF CURB CURVE TABLE

CURVE	RADIUS	LENGTH	DELTA
FC7	30.00	47.12	90°00'00"
FC8	30.00	47.12	90°00'00"
FC11	25.00	39.27	90°00'00"
FC12	25.00	39.27	90°00'00"
FC13	25.00	39.27	90°00'00"
FC14	25.00	39.27	90°00'00"

ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque, New Mexico
1257PV2-P2.DWG(mjr) VIEW 2 10/08/03

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: TREMONTINA SUBDIVISION
VIA FELIZ
STA 1+00.00 TO END
PAVING & STORM DRAIN PLAN & PROFILE

Design Review Committee City Engineer Approval
NOV - 3 2003 DEC - 8 2003
CITY ENGINEER

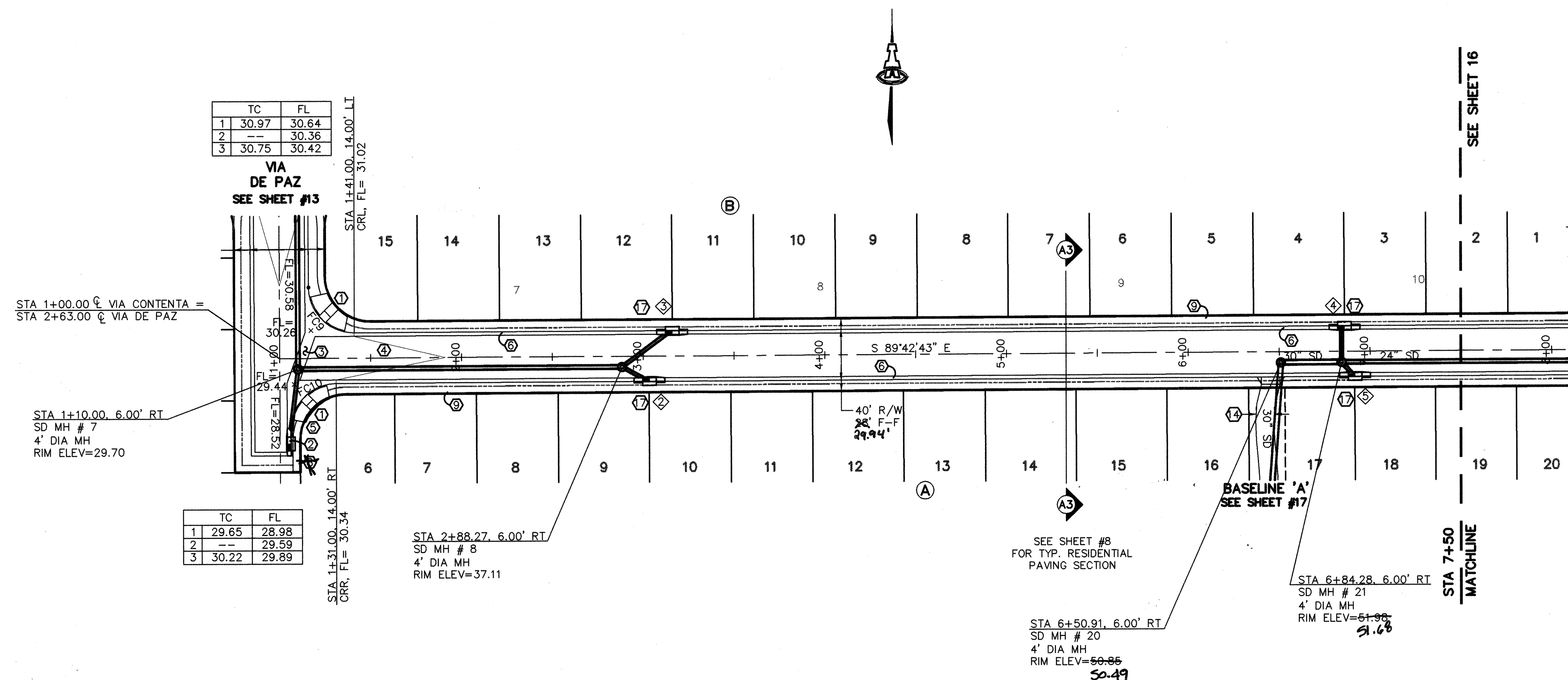
City Project No. 702482 Zone Map No. C-19

FIELD NOTES		CONTRACTOR		SALLS - BROTHER		DATE OF	
1.	ALDRICH SURVEYING	04/03	INSWIC BRASS CAP "1-25-11" SET IN CONCRETE POST ON	WORK	STATED BY	DATE	BY
			ON EAST SIDE OF FRONTAGE ROAD NEAR THE SW CORNER OF	ADJUSTED BY	DATE		
			THE CORONADO AIRFIELD	FIELD	DATE		
				ADJUSTMENT BY	DATE		
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AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	SALLS - BROTHER	MINISC BRASS CAP "1-25-11" SET IN CONCRETE POST ON	FIELD NOTES	ALDRICH SURVEYING	04/03		BY
INSPECTOR	Steve Cast	ON EAST SIDE OF FRONTAGE ROAD NEAR THE SW CORNER OF					
DATE	DATE	THE CORONADO AIRFIELD				REVISIONS	
DATE	DATE	ELEVATION=5206.94 (NGVD 1929)				NO. DATE	REMARKS
DATE	DATE						
DATE	DATE					DESIGNED BY	DATE
DATE	DATE					DRAWN BY	DATE
DATE	DATE					CHECKED BY	DATE

Genevieve L. Dwyer

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



VIA CONTENTA

SCALES:
1"=40' HOR.
1"=10' VERT.

KEYED CONSTRUCTION NOTES

1. CONSTRUCT HANDICAP RAMP PER COA STD DWG #2441, CASE 2.
2. STANDARD CURB & GUTTER PER COA STD DWG #2415.
3. CONSTRUCT PCC VALLEY GUTTER 6' WIDE, 1 1/2" INVERT PER COA STD DWG #2420.
4. CROWN TO NO CROWN TRANSITION 50' MIN. LENGTH PER COA STD DWG #2401.
5. TRANSITION FROM MOUNTABLE TO STANDARD CURB PER COA STD DWG #2418.
6. MOUNTABLE CURB & GUTTER PER COA STD DWG #2415.
7. MEDIAN CURB & GUTTER PER COA STD DWG #2415.
8. CONSTRUCT 4' PCC SIDEWALK PER COA STD DWG #2430.
9. DEFERRED 4' PCC SIDEWALK PER COA STD DWG #2430.
10. CONSTRUCT 6' PCC SIDEWALK PER COA STD DWG #2430.
11. SAWCUT, REMOVE & REPLACE EXST PAVING PER COA STD DWG #2465. FOR ARTERIAL STREETS.
12. TEMPORARY PAVING 14' WIDE PER SECTION ON SHEET 8.
13. NOT USED
14. 10' WIDE MEANDERING BIKE/PEDESTRIAN PATH PER DETAIL ON SHEET 8.
15. 4" THICK PATTERENED CONCRETE COLORED TAN PER COA STD DWG #2408
16. 8" ASPHALT CURB PER COA STD DWG #2415.
17. 10' TRANSITION FROM MOUNTABLE TO STANDARD CURB UPSTREAM OF INLET, AND 10' TRANSITION TO MOUNTABLE CURB DOWNSTREAM OF INLET.

CURVE	RADIUS	LENGTH	DELTA
FC9	25.00	39.27	90°00'00"
FC10	25.00	39.27	90°00'00"

STORM DRAIN INLET INFORMATION

INLET NO. 	INLET TYPE	STATION* & OFFSET	TOP GR. EL.	INV. OV. 
2	SGL A	3+01.60, 14.0' LT	37.33	37.61 33.80
3	SGL A	3+14.28, 14.0' RT	37.42 38.32	31.54 31.66
4	SGL A	6+84.28, 14.0' LT	51.59	48.31 48.10
5	SGL A	6+90.00, 14.0' RT	51.79	48.20

*STATIONING IS TO MIDPOINT OF GRATE @ FACE OF CURB

CONNECTOR PIPE INFORMATION

FROM INLET NO. ◇	DIA. (IN)	LENGTH (FT)	SLOPE (FT/FT)
2	18	15.55	0.0772
3	18	32.81	0.0457
4	18	20.00	0.0100
5	18	9.84	0.0305



ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque New Mexico
257PV2-P2.DWGits VIEW 3 08/05/03

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: TREMENTINA SUBDIVISION
VIA CONTENTA
STA 1+00.00 TO STA 7+00.00
PAVING & STORM DRAIN PLAN & PROFILE

Design Review Committee	City Engineer Approval
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RECEIVED APPROVED

7 NOV - 3 2003 11 DEC - 8 2003


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 SCIENCE@DIRECT®

DESIGN REVIEW COMMENTS	CITY ENGINEER
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City Project No. 700-100 Zone 1

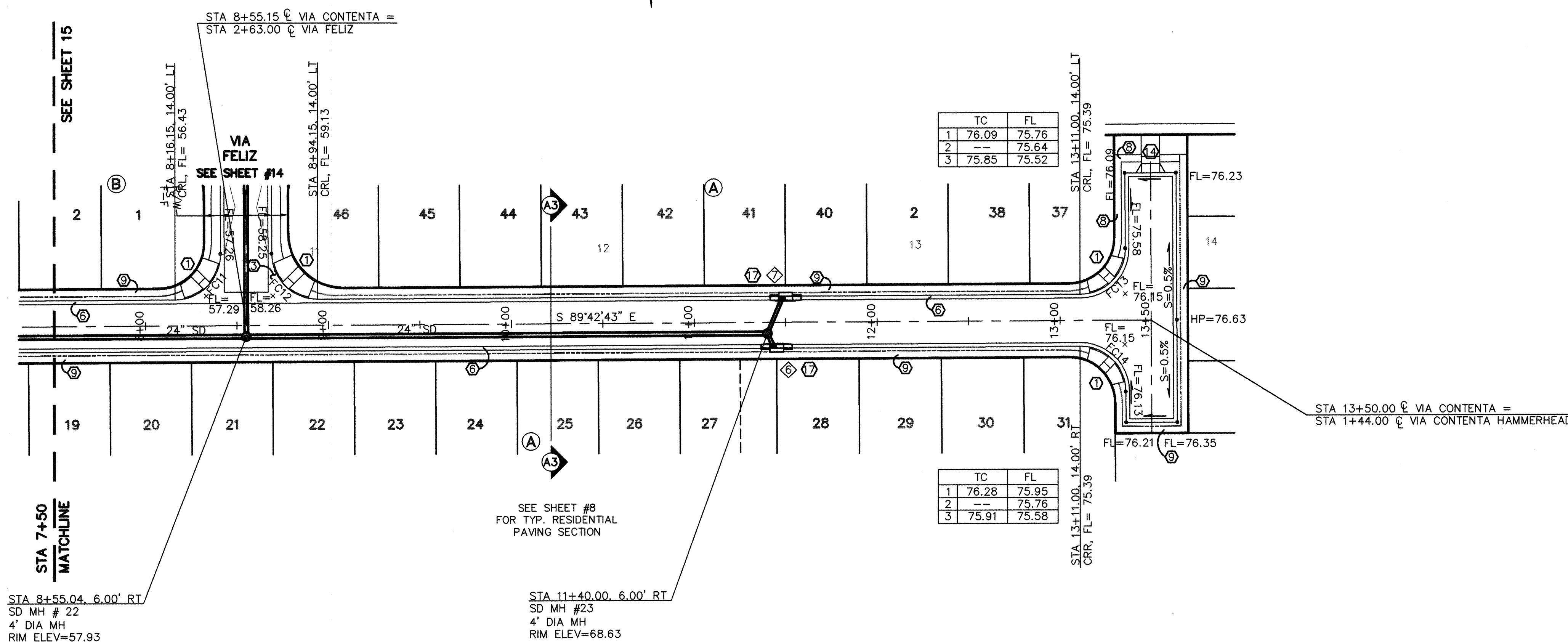
702482	C
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AS-BUILT INFORMATION		DATE	
CONTRACTOR	SALLIS-BROTHER	DATE	01-01-80
INSPECTED BY	BLAKE CONST.	DATES	01-01-80
APPROVED BY	JOHN B. BULLINGTON	DATE	01-01-80
ACCEPTANCE BY	DAVID	DATE	01-01-80
FIELD INFORMATION BY	DAVID	DATE	01-01-80
CORRECTED BY	BLAKE	DATE	01-01-80
MICRO-FILM INFORMATION		DATE	
RECORDED BY			
NO.			

BENCH MARKS
NMSHC BRASS CAP "1-25-11" SET IN CONCRETE POST ON
ON EAST SIDE OF FRONTAGE ROAD NEAR THE SW CORNER OF
THE CORONADO AIRFIELD
ELEVATION=5206.94 (NGVD 1929)

[illegible][illegible]

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Mo./Day/Yr.		Mo./Day/Yr.	
Sheet		Of	
15		31	



VIA CONTENTA

SCALES:
1"=40' HOR.
1"=10' VERT.

KEYED CONSTRUCTION NOTES

1. CONSTRUCT HANDICAP RAMP PER COA STD DWG #2441, CASE 2.
2. STANDARD CURB & GUTTER PER COA STD DWG #2415.
3. CONSTRUCT PCC VALLEY GUTTER 6' WIDE, 1 1/2" INVERT PER COA STD DWG #2420.
4. CROWN TO NO CROWN TRANSITION 50' MIN. LENGTH PER COA STD DWG #2401.
5. TRANSITION FROM MOUNTABLE TO STANDARD CURB PER COA STD DWG #2418.
6. MOUNTABLE CURB & GUTTER PER COA STD DWG #2415.
7. MEDIAN CURB & GUTTER PER COA STD DWG #2415.
8. CONSTRUCT 4' PCC SIDEWALK PER COA STD DWG #2430.
9. DEFERRED 4' PCC SIDEWALK PER COA STD DWG #2430.
10. CONSTRUCT 6' PCC SIDEWALK PER COA STD DWG #2430.
11. SAWCUT, REMOVE & REPLACE EXIST PAVING PER COA STD DWG #2465. FOR ARTERIAL STREETS.
12. TEMPORARY PAVING 14' WIDE PER SECTION ON SHEET 8.
13. NOT USED.
14. 10' WIDE MEANDERING BIKE/PEDESTRIAN PATH PER DETAIL ON SHEET 8.
15. 4" THICK PATTERNED CONCRETE COLORED TAN PER COA STD DWG #2408.
16. 8" ASPHALT CURB PER COA STD DWG #2415.
17. 10' TRANSITION FROM MOUNTABLE TO STANDARD CURB UPSTREAM OF INLET, AND 10' TRANSITION TO MOUNTABLE CURB DOWNSTREAM OF INLET.

FACE OF CURB CURVE TABLE

CURVE	RADIUS	LENGTH	DELTA
FC11	25.00	39.27	90°00'00"
FC12	25.00	39.27	90°00'00"
FC13	25.00	39.27	90°00'00"
FC14	25.00	39.27	90°00'00"

Elevation Datum: NGVD 29

STORM DRAIN INLET INFORMATION

INLET NO. 	INLET TYPE	STATION* & OFFSET	TOP GR. EL.	INV. OUT.
6	SGL A	11+43.28, 14.00' RT	68.37	62.95 64.30
7	SGL A	11+48.28, 14.00' RT	68.58	61.80

* STATIONING IS TO MIDPOINT OF GRATE @ FACE OF CURB

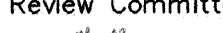
CONNECTOR PIPE INFORMATION

FROM INLET NO. 	DIA. (IN)	LENGTH (FT)	SLOPE (FT/FT)
6	18	8.65	0.1387
7	18	21.64	0.0116

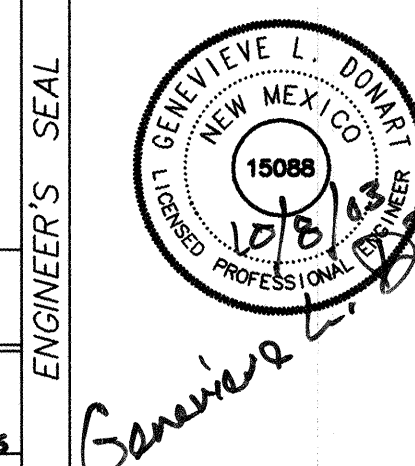
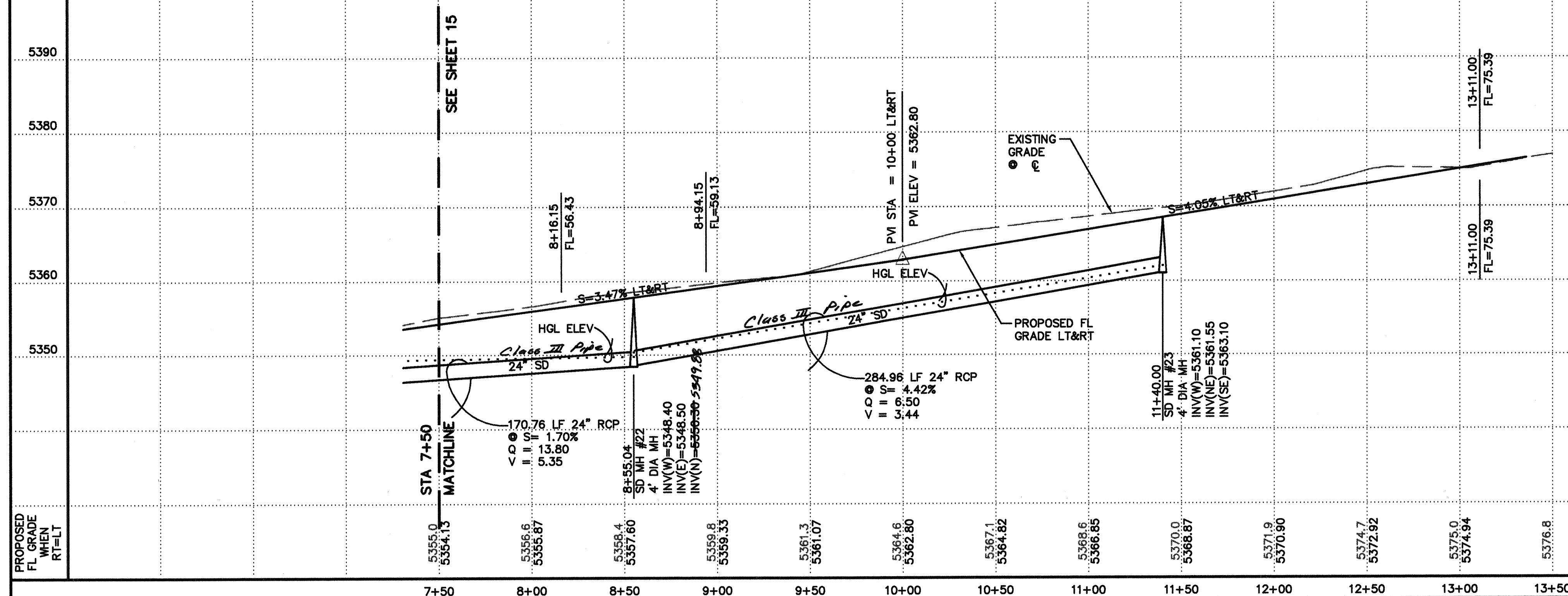
 **ISAACSON & ARFMAN, P.A.**
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque New Mexico
1257PV2-P2.DWGits VIEW 4 08/05/03

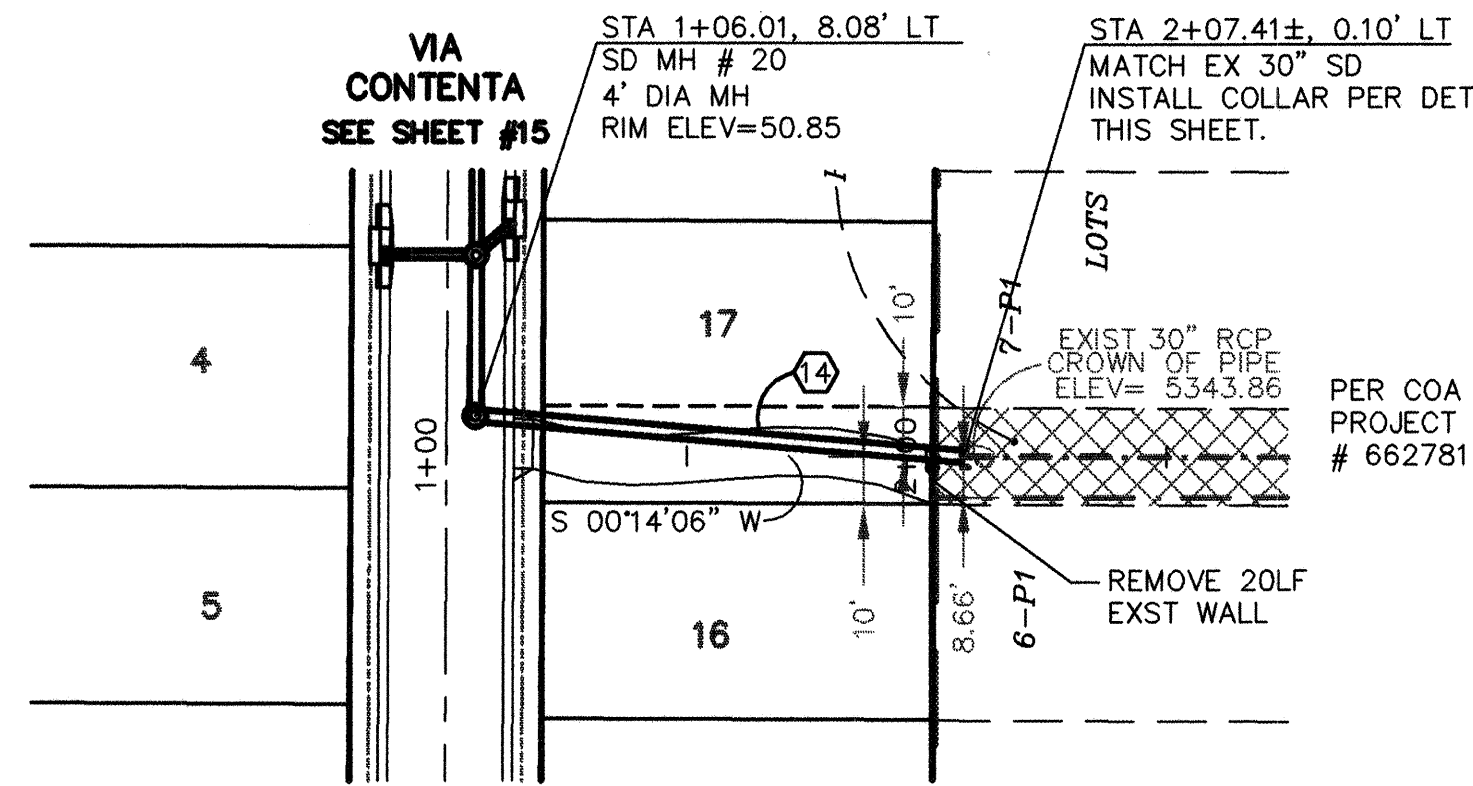
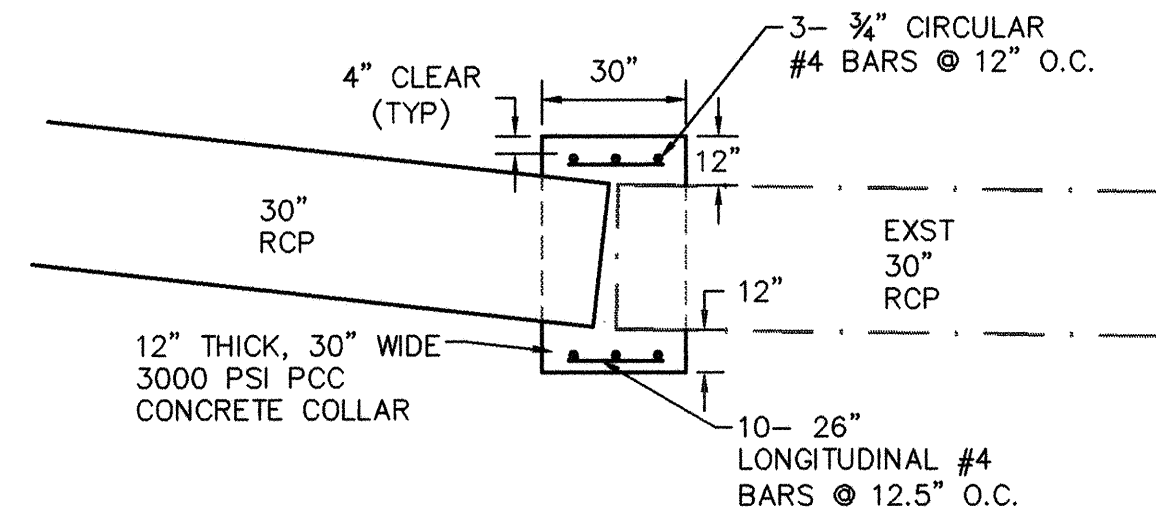
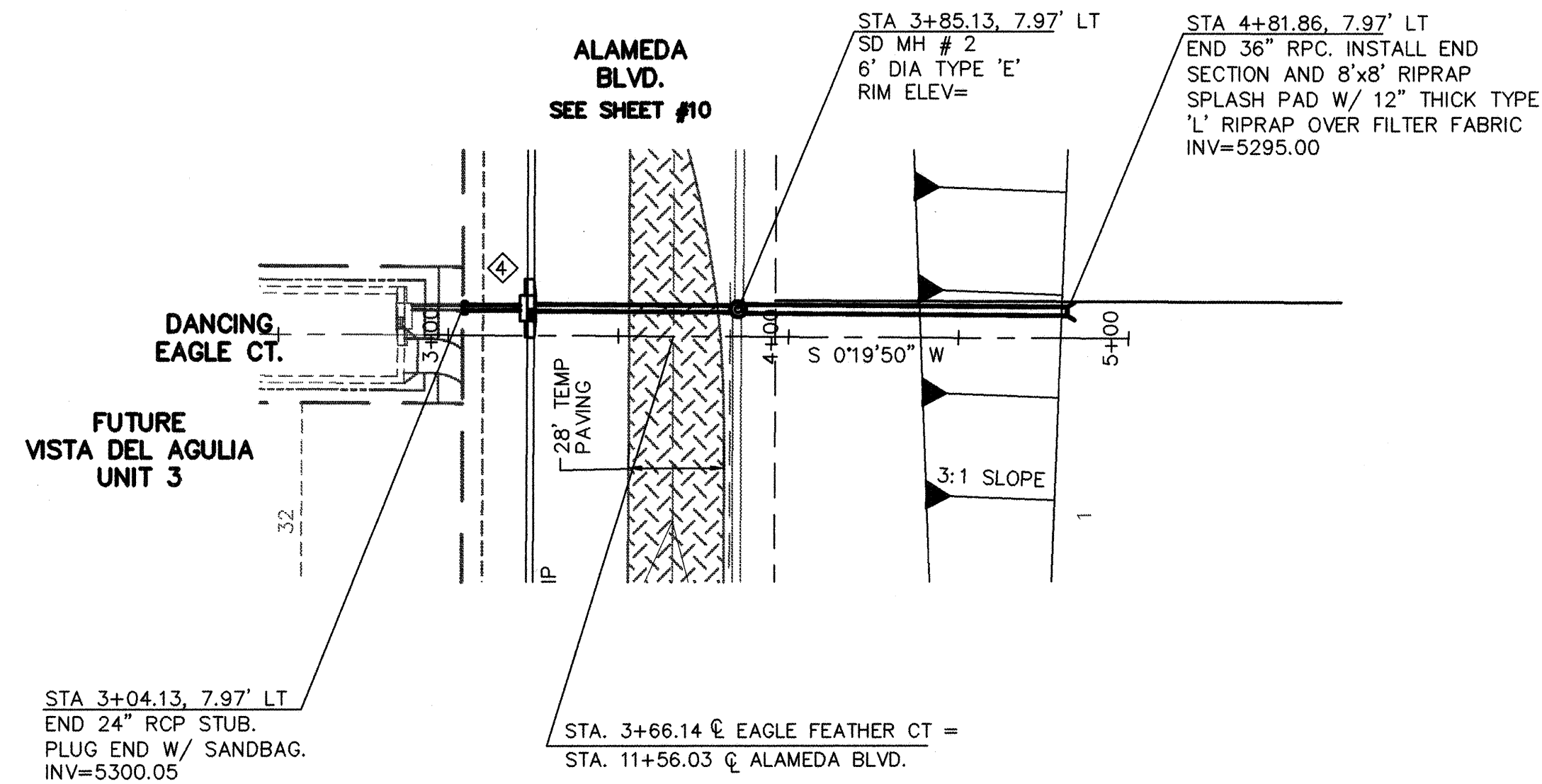
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: TREMENTINA SUBDIVISION
VIA CONTENTA
STA 7+00.00 TO END
PAVING & STORM DRAIN PLAN & PROFILE

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
			
City Project No.	Zone Map No.	Sheet	Of

City Project No.	702482	Zone Map No.	C-19	Sheet	16	Of	31
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KEYED CONSTRUCTION NOTES

- CONSTRUCT HANDICAP RAMP PER COA STD DWG #2441, CASE 2.
- STANDARD CURB & GUTTER PER COA STD DWG #2415.
- CONSTRUCT PCC VALLEY GUTTER 6' WIDE, 1 1/2" INVERT PER COA STD DWG #2420.
- CROWN TO NO CROWN TRANSITION 50' MIN. LENGTH PER COA STD DWG #2401.
- TRANSITION FROM MOUNTABLE TO STANDARD CURB PER COA STD DWG #2418.
- MOUNTABLE CURB & GUTTER PER COA STD DWG #2415.
- MEDIAN CURB & GUTTER PER COA STD DWG #2415.
- CONSTRUCT 4' PCC SIDEWALK PER COA STD DWG #2430.
- DEFERRED 4' PCC SIDEWALK PER COA STD DWG #2430.
- CONSTRUCT 6' PCC SIDEWALK PER COA STD DWG #2430.
- SAWCUT, REMOVE & REPLACE EXST PAVING PER COA STD DWG #2465. FOR ARTERIAL STREETS.
- TEMPORARY PAVING PER SECTION ON SHEET 8.
- NOT USED
- 10' WIDE MEANDERING BIKE/PEDESTRIAN PATH PER DETAIL ON SHEET 8.
- 4" THICK PATTERNED CONCRETE COLORED TAN PER COA STD DWG #2408
- 8" ASPHALT CURB PER COA STD DWG #2415.
- CONSTRUCT HANDICAP RAMP PER ARTERIAL WHEELCHAIR RAMP DETAIL ON SHEET 8.

SCALES:
1"=40' HOR.
1"=10' VERT.

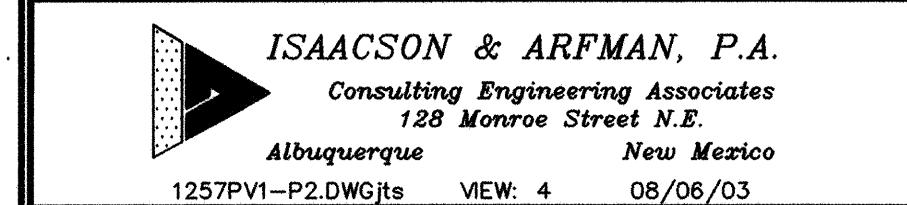
STORM DRAIN INLET INFORMATION

INLET NO.	INLET TYPE	STATION* & OFFSET	TOP GR. EL.	INV. OUT
4	SGL A	11+62.31, 43.0' LT	07.11	99.36

*STATIONING IS TO MIDPOINT OF GRATE @ FACE OF CURB

CONNECTOR PIPE INFORMATION

FROM INLET NO.	DIA. (IN)	LENGTH (FT)	SLOPE (FT/FT)
4	24	62.03	0.0050



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

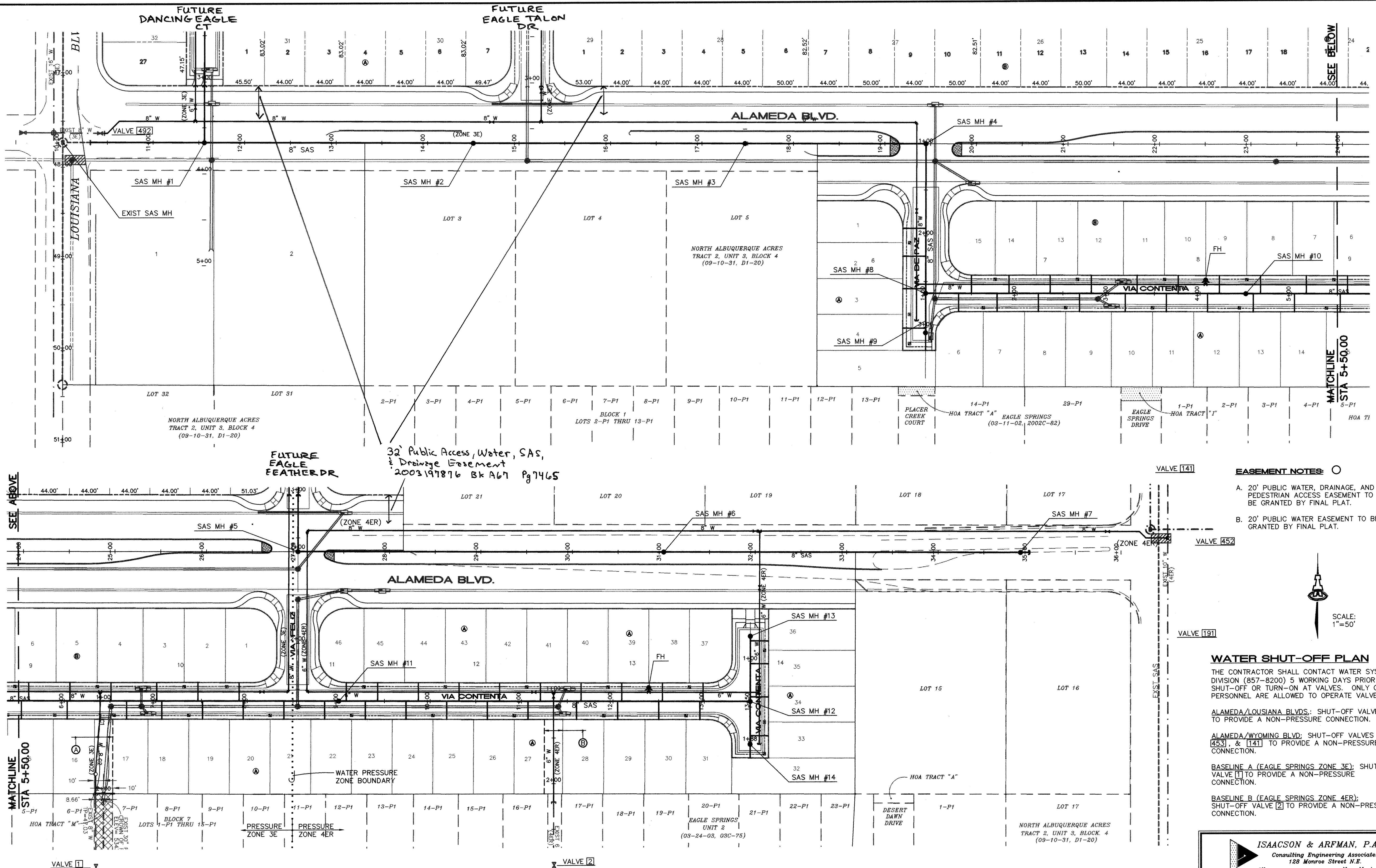
TITLE: STORM DRAIN OUTLET
STA 3+00.00 TO END
STORM DRAIN PLAN & PROFILE

Design Review Committee	City Engineer Approval
NOV - 3 2003	DEC - 8 2003
CITY ENGINEER	

City Project No. 702482
Zone Map No. C-19

AS-BUILT INFORMATION	BENCH MARKS	SURVEY INFORMATION	ENGINEER'S SEAL
CONTRACTOR: SALLS-ROTHMAN DATE: 04/03 INSPECTOR: [Signature] DATE: 04/03 REVISIONS: [Table] DATE: 04/03 MICRO-FILM INFORMATION: [Table]	NMHC BRASS CAP "1-25-11" SET IN CONCRETE POST ON EAST SIDE OF FRONTAGE ROAD NEAR THE SW CORNER OF THE CORONADO AIRFIELD ELEVATION=5206.94 (NGVD 1929)	FIELD NOTES: ALDRICH SURVEYING 04/03	[Seal]

REVISIONS	DATE	BY
DESIGN	04/03	GLD
DRAWN	04/03	RFH
CHECKED	04/03	GLD



- EASEMENT NOTES:**
- A. 20' PUBLIC WATER, DRAINAGE, AND PEDESTRIAN ACCESS EASEMENT TO BE GRANTED BY FINAL PLAT.
 - B. 20' PUBLIC WATER EASEMENT TO BE GRANTED BY FINAL PLAT.



SCALE:
1"=50'

WATER SHUT-OFF PLAN

THE CONTRACTOR SHALL CONTACT WATER SYSTEMS DIVISION (857-8200) 5 WORKING DAYS PRIOR TO SHUT-OFF OR TURN-ON AT VALVES. ONLY CITY PERSONNEL ARE ALLOWED TO OPERATE VALVES.

ALAMEDA/LOUISIANA BLVD.: SHUT-OFF VALVE [492] TO PROVIDE A NON-PRESSURE CONNECTION.

ALAMEDA/WYOMING BLVD.: SHUT-OFF VALVES [191], [452], & [141] TO PROVIDE A NON-PRESSURE CONNECTION.

BASELINE A (EAGLE SPRINGS ZONE 3E): SHUT-OFF VALVE [1] TO PROVIDE A NON-PRESSURE CONNECTION.

BASELINE B (EAGLE SPRINGS ZONE 4ER): SHUT-OFF VALVE [2] TO PROVIDE A NON-PRESSURE CONNECTION.

LEGEND

- SINGLE WATER METER & BOX
- DOUBLE WATER METER & BOX
- GATE VALVE W/ VALVE BOX
- FIRE HYDRANT
- WATER LINE W/ FITTING
- STORM DRAIN CATCH BASIN
- STORM DRAIN MANHOLE
- EXISTING SAS MANHOLE
- PROPOSED SAS MANHOLE
- WATER PRESSURE ZONE BOUNDARY

RESTRAINED JOINT LENGTHS, L_r, FOR VERTICAL BENDS (FT.)

SIZE	VERT. BENDS			
	45°	11 1/4°	11 1/4°	11 1/4°
8"	27	5	10	1

RESTRAINED JOINT LENGTHS, L_r, FOR HORIZONTAL BENDS, VALVES, AND DEAD ENDS (FT.)

SIZE	HORIZ. BENDS				VALVES & DEAD ENDS
	90°	45°	22 1/2°	11 1/4°	
12"	30	12	6	3	85
10"	26	11	5	2	72
8"	22	9	4	2	60
6"	17	7	3	2	46
4"	12	5	2	1	32

RESTRAINED JOINT LENGTHS FOR WATERLINE FITTINGS

RESTRAINED JOINT LENGTHS, L_r, FOR REDUCERS (FT.) MINIMUM UNOBSTRUCTED, STRAIGHT-RUN LENGTH: RESTRAIN EITHER LARGE PIPE, OR SMALL PIPE.

SIZE	LARGE SIDE	SMALL SIDE	SIZE	LARGE SIDE	SMALL SIDE
12x10	25	30	10x6	44	73
12x8	45	68	10x4	58	141
12x6	62	121	8x6	25	33
12x4	74	213	8x4	43	83
10x8	24	30	6x4	24	35

RESTRAINED JOINT LENGTHS, L_r, FOR TEES (FT.) ALL JOINTS AT THE TEE MUST BE RESTRAINED.

SIZE	RUN	BRANCH
12x12x12	15	17
12x12x10	10	18
12x12x8	6	19
12x12x6	3	19
12x12x4	1	19
10x10x10	12	18
10x10x8	8	15
10x10x6	4	16
10x10x4	2	4
8x8x8	9	20
8x8x6	5	17
8x8x4	2	15
6x6x6	6	20
6x6x4	2	20

THESE TABLES ARE BASED UPON THE FOLLOWING CRITERIA:

DEPTH OF BURY: 3.0 FT. MINIMUM
FACTOR OF SAFETY: 1.25
MATERIAL: PVC PIPE
SOIL TYPE: GM/SM - SILTY GRAVELS AND SILTY SANDS, GRAVEL-SAND-SILT MIXTURES.
TEST PRESSURE: 150 PSI
TRENCH TYPE 4: PIPE BEDDED IN SAND, GRAVEL, OR CRUSHED STONE TO DEPTH OF 1/8 PIPE DIAMETER, 4 INCH MINIMUM; BACKFILL COMPACTED TO TOP OF PIPE.

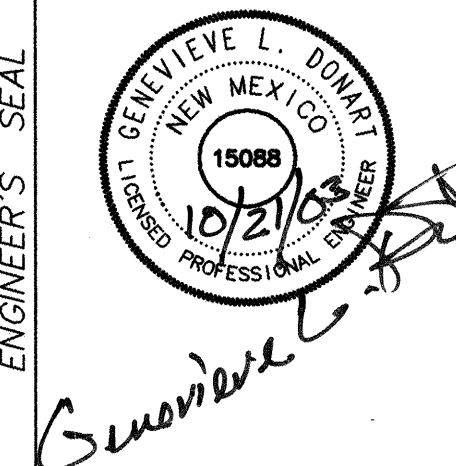
DIFFERENT CRITERIA, E.G., DUCTILE IRON PIPE, GREATER DEPTH OF BURY, ETC., WILL REQUIRE DIFFERENT RESTRAINED LENGTHS. THESE MUST BE CALCULATED BY A QUALIFIED PROFESSIONAL ENGINEER AND APPROVED BY THE PUBLIC WORKS DEPARTMENT.

ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque New Mexico
1257UMSTR-PH2.DWGthr 10/08/03

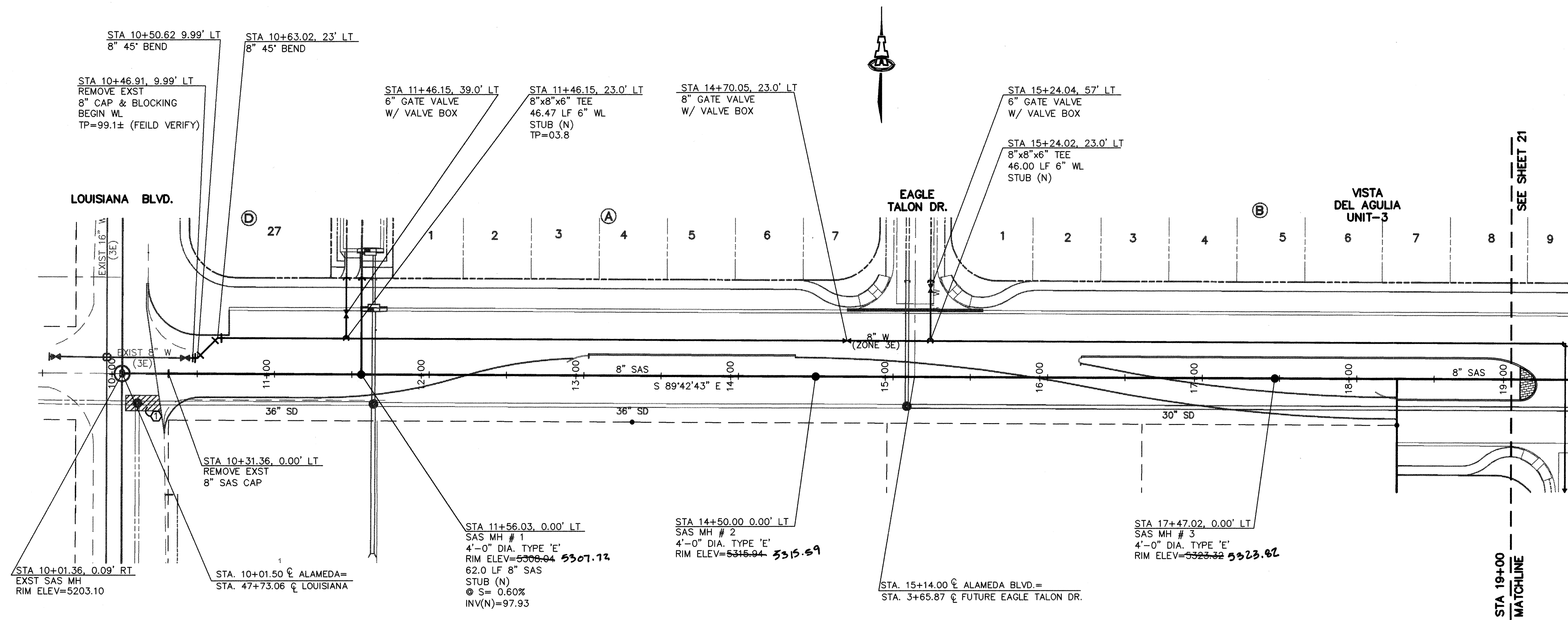
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: TREMENTINA SUBDIVISION
MASTER UTILITY PLAN

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
NOV - 3 2003	APPROVED DEC - 8 2003 CITY ENGINEER		
City Project No. 702482	Zone Map No. C-19	Sheet 18	Of 31

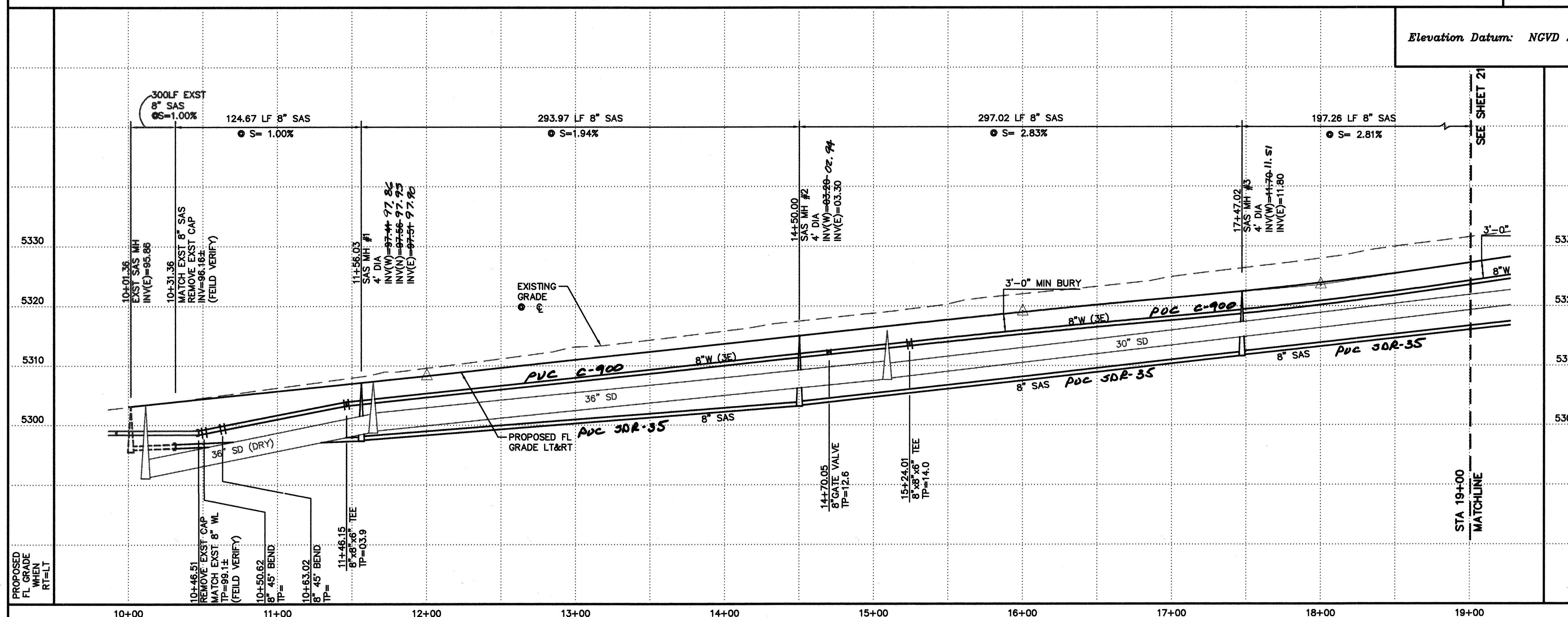


SCANNED BY
MESA REPRO



ALAMEDA BLVD.

SCALES:
1"=40' HOR.
1"=10' VERT.



GENERAL NOTES

1. CONSTRUCT SAS SERVICES PER COA STD DWG #2125.
2. CONSTRUCT FIRE HYDRANTS PER DESIGNATED DEPTHS & LENGTHS PER COA STD DWG #2340.
3. CONSTRUCT ALL SINGLE & DOUBLE WATER SERVICES PER COA STD DWG'S #2361, #2362, & #2363.
4. SEE SHEET #18 FOR WATER SHUT-OFF PLAN.
5. SEE SHEET #18 FOR RESTRAINED JOINT LENGTHS FOR WATER LINE FITTINGS.

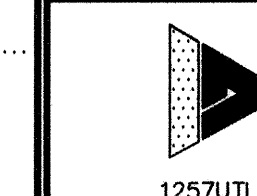
KEYED CONSTRUCTION NOTES

1. SAWCUT, REMOVE & REPLACE EXST
PAVING PER COA STD DWG #2465.

Elevation Datum: NGVD 29

LEGEND

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|  | SINGLE WATER METER & BOX |
|  | DOUBLE WATER METER & BOX |
|  | GATE VALVE W/ VALVE BOX |
|  | FIRE HYDRANT |
|  | SAS MANHOLE |
|  | WATER LINE W/ FITTING |



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Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque New Mexico
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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: TREMENTINA SUBDIVISION
ALAMEDA BLVD.
STA 10+00.00 TO STA 19+00.00
UTILITY PLAN & PROFILE

Design Review Committee

City Engineer Approval

Mo./Day/Yr.	Mo./Day/Yr.
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NOV - 3 2003

APPROVE
DEC - 8 2003
CITY ENGINEER

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City Project No.

Zone Map No.

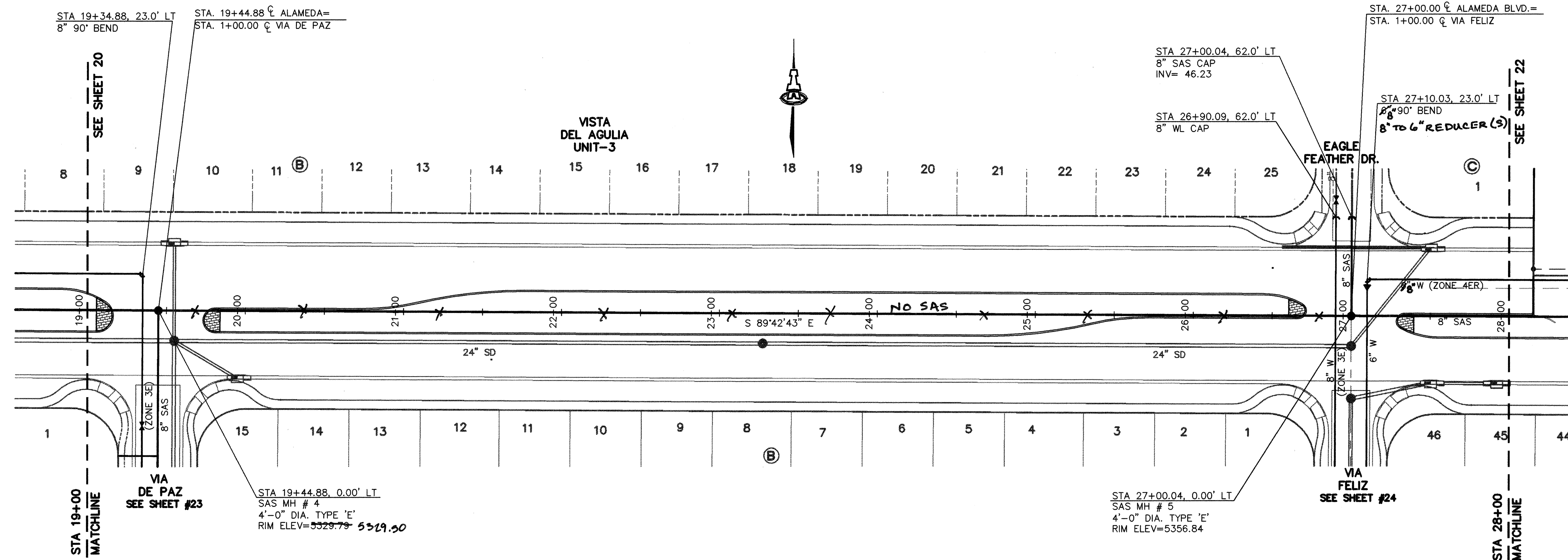
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C-19

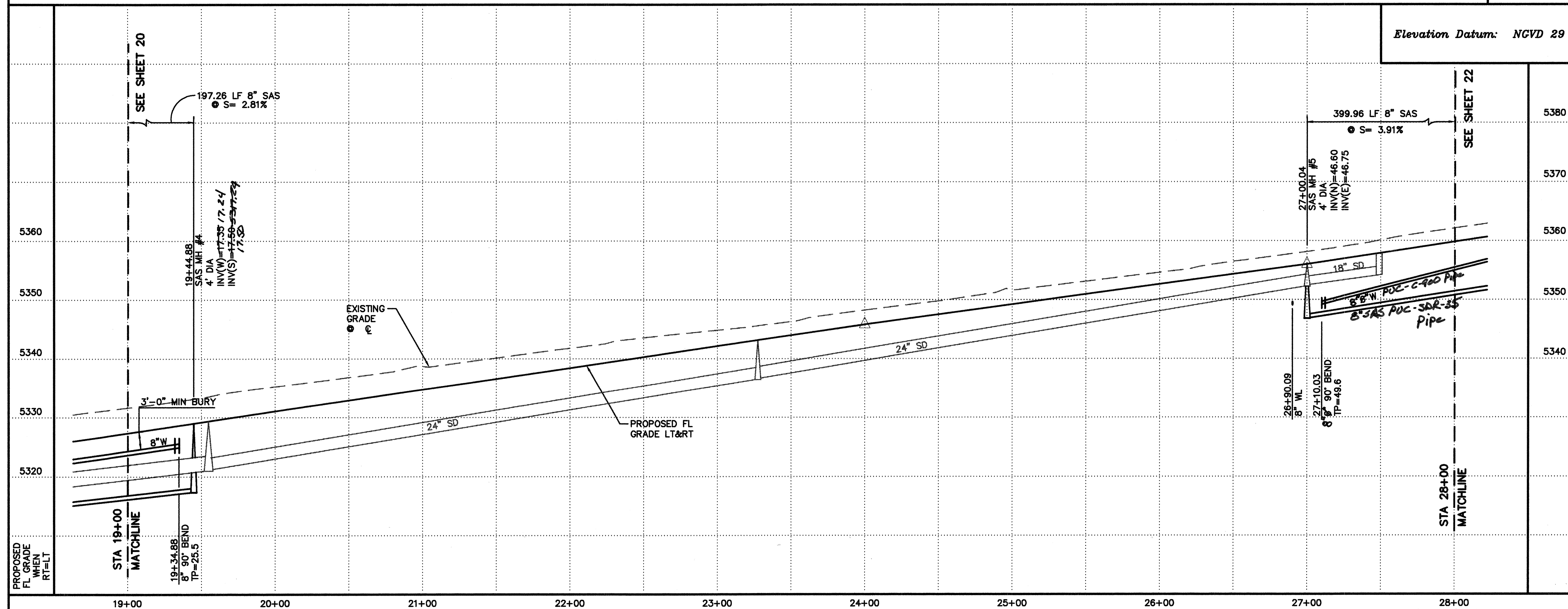
Sheet 20 of

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ALAMEDA BLVD.

SCALES:
1"=40' HOR.
1"=10' VERT.



GENERAL NOTES

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2. CONSTRUCT FIRE HYDRANTS PER DESIGNATED DEPTHS & LENGTHS PER COA STD DWG #2340.
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LEGEND

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|  | SINGLE WATER METER & BOX |
|  | DOUBLE WATER METER & BOX |
|  | GATE VALVE W/ VALVE BOX |
|  | FIRE HYDRANT |
|  | SAS MANHOLE |
|  | WATER LINE W/ FITTING |



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Consulting Engineering Associates
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Albuquerque New Mexico
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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: TREMENTINA SUBDIVISION
ALAMEDA BLVD.
STA 19+00.00 TO STA28+00.00
UTILITY PLAN & PROFILE

Design Review Committee

City Engineer Approval

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

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APPROVED

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CITY ENGINEER

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City Project No.

Zone Mo

Sheet **31** Of **31**

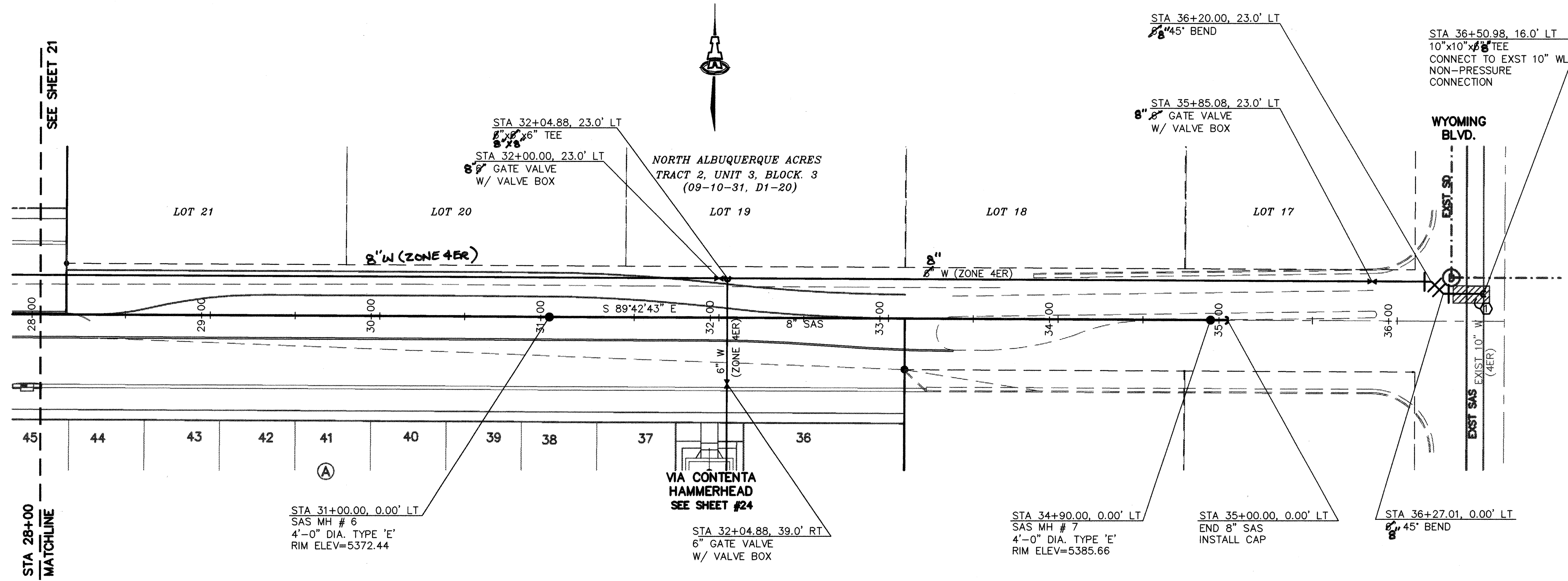
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Zone Map No.

Sheet **31** Of **31**

21 Of 21

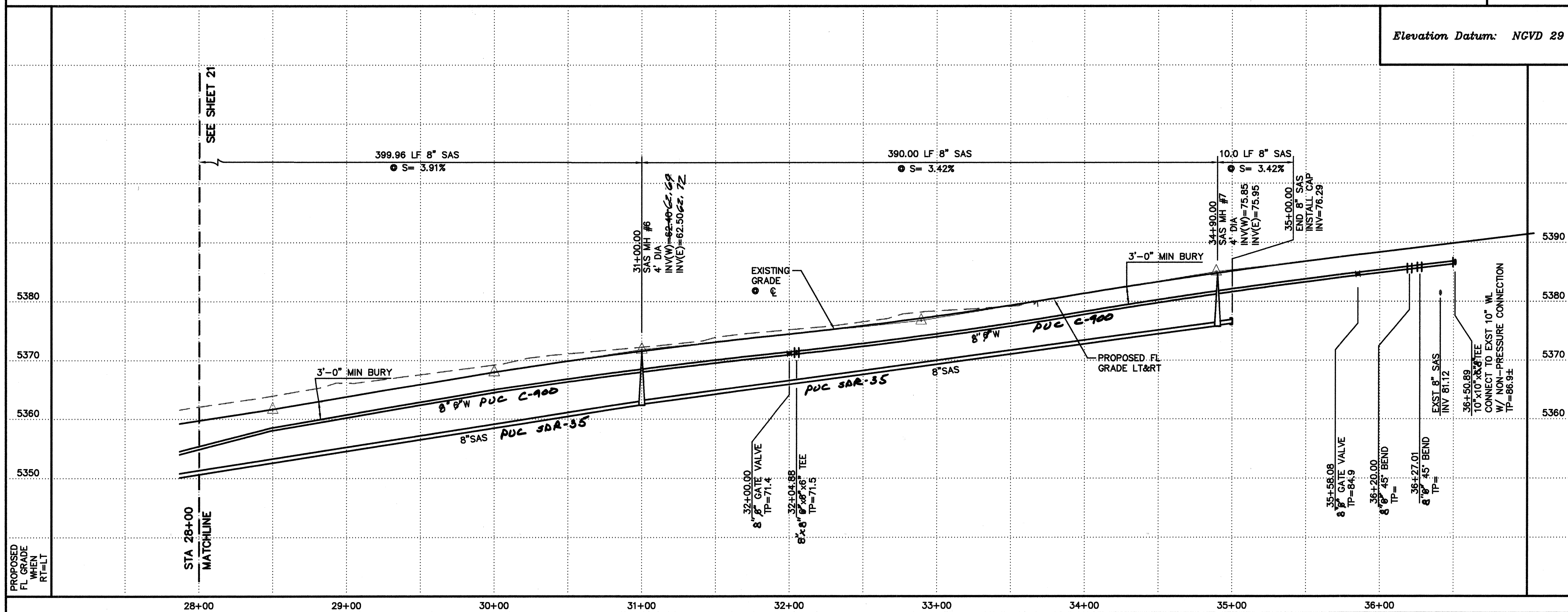
21 Of 31



ALAMEDA BLVD.

SCALES:
1"=40' HOR.
1"=10' VERT.

Elevation Datum: NGVD 29



LEGEND

- | | |
|---|--------------------------|
|  | SINGLE WATER METER & BOX |
|  | DOUBLE WATER METER & BOX |
|  | GATE VALVE W/ VALVE BOX |
|  | FIRE HYDRANT |
|  | SAS MANHOLE |
|  | WATER LINE W/ FITTING |



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1257UTL1-P2.DWGthor VIEW: 3 10/08/03

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: TREMENTINA SUBDIVISION
ALAMEDA BLVD.
STA 28+00.00 TO STA 36+60.00
UTILITY PLAN & PROFILE

Design Review Committee

City Engineer Approval

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

City Project No.

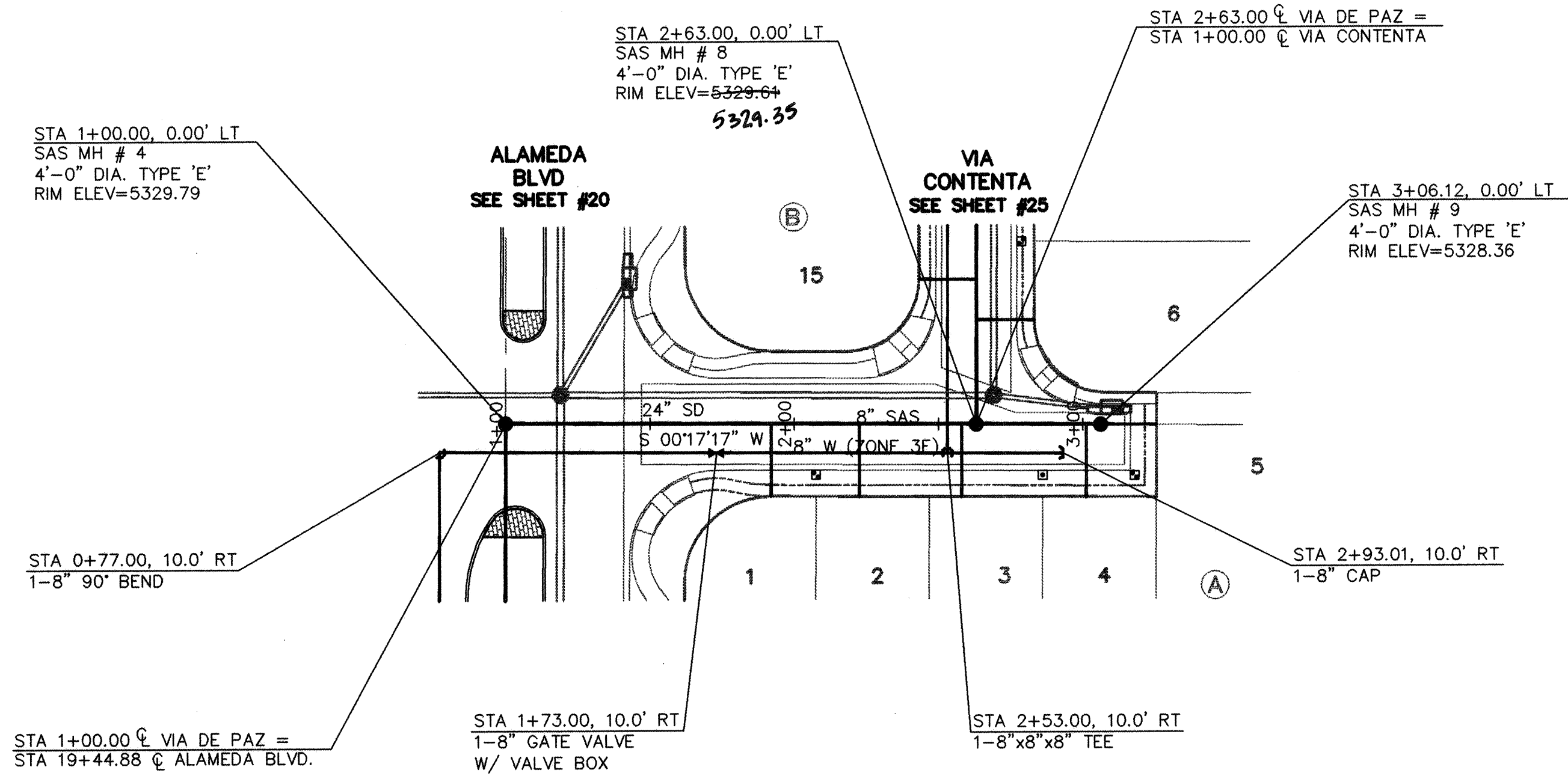
Zone Map No.

Sheet 00 Of

702482

Zone Map No.
C-19

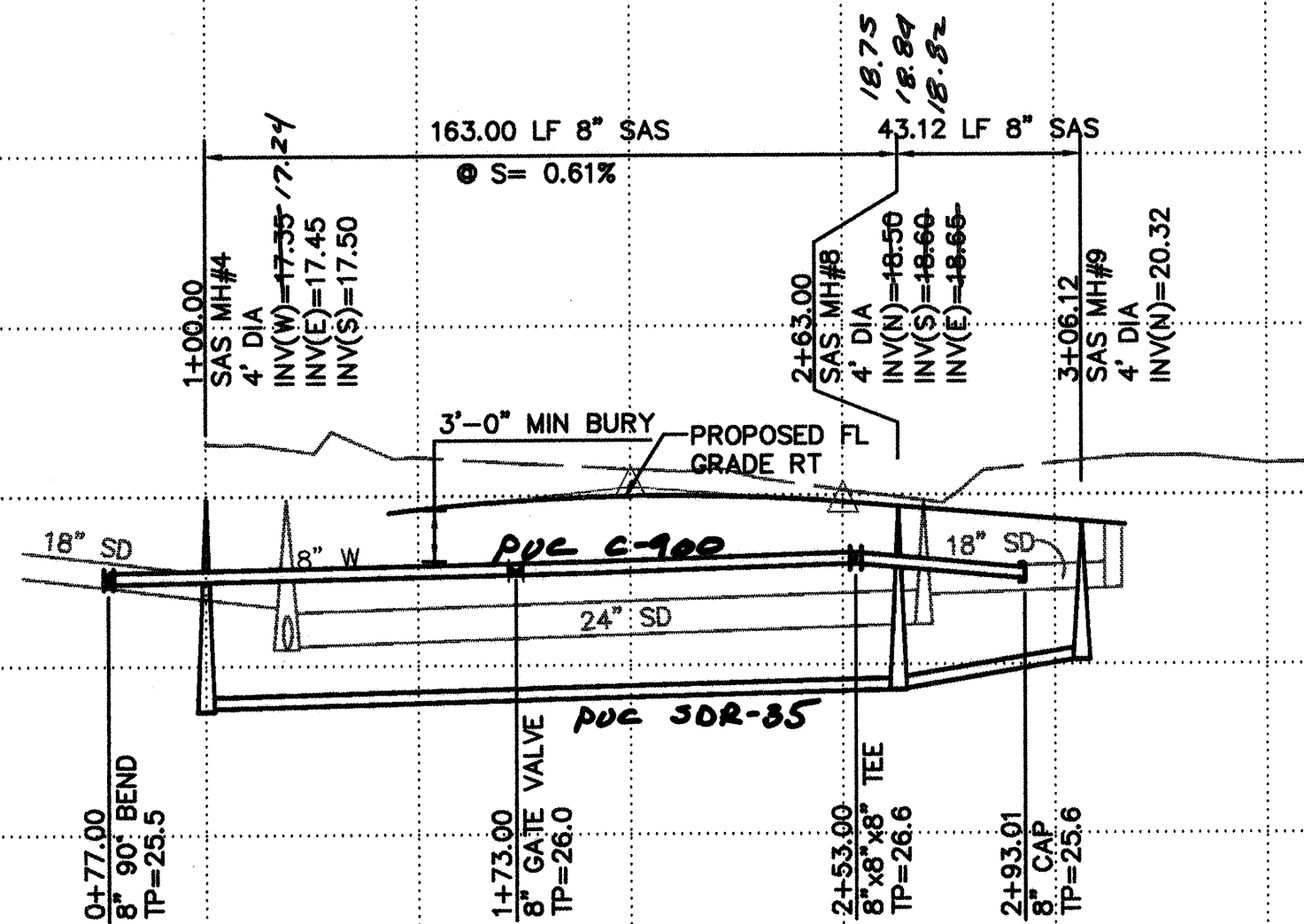
Sheet **22** of **31**Sheet **22** of **31**



VIA DE PAZ

SCALES:
1"=40' HOR.
1"=10' VERT.

Elevation Datum: NGVD 29



GENERAL NOTES

1. CONSTRUCT SAS SERVICES PER COA STD DWG #2125.
2. CONSTRUCT FIRE HYDRANTS PER DESIGNATED DEPTHS & LENGTHS PER COA STD DWG #2340.
3. CONSTRUCT ALL SINGLE & DOUBLE WATER SERVICES PER COA STD DWG'S #2361, #2362, & #2363.
4. SEE SHEET #18 FOR WATER SHUT-OFF PLAN.
5. SEE SHEET #18 FOR RESTRAINED JOINT LENGTHS FOR WATER LINE FITTINGS.

UTILITY SERVICE TABLE

LOT NO.	STATION		SAS INV @ R/W
	WATER, LENGTH	SAS, LENGTH	
1/A	2+07.52, 8'	1+92.00, 25'	25.23
2/A		2+22.52, 25'	25.25
3/A *	2+86.12, 8'(S)	2+58.00, 25'	24.74
4/A	3+17.92, 29'	3+01.12, 25'	23.85
5/A		3+25.42, 19'	23.33

*INSTALL SAS SERVICE INTO MH PER COA STD DWG #2118.

ALL WATER SERVICES ARE DOUBLE EXCEPT WHERE NOTED AS (S) SINGLE.

LEGEND

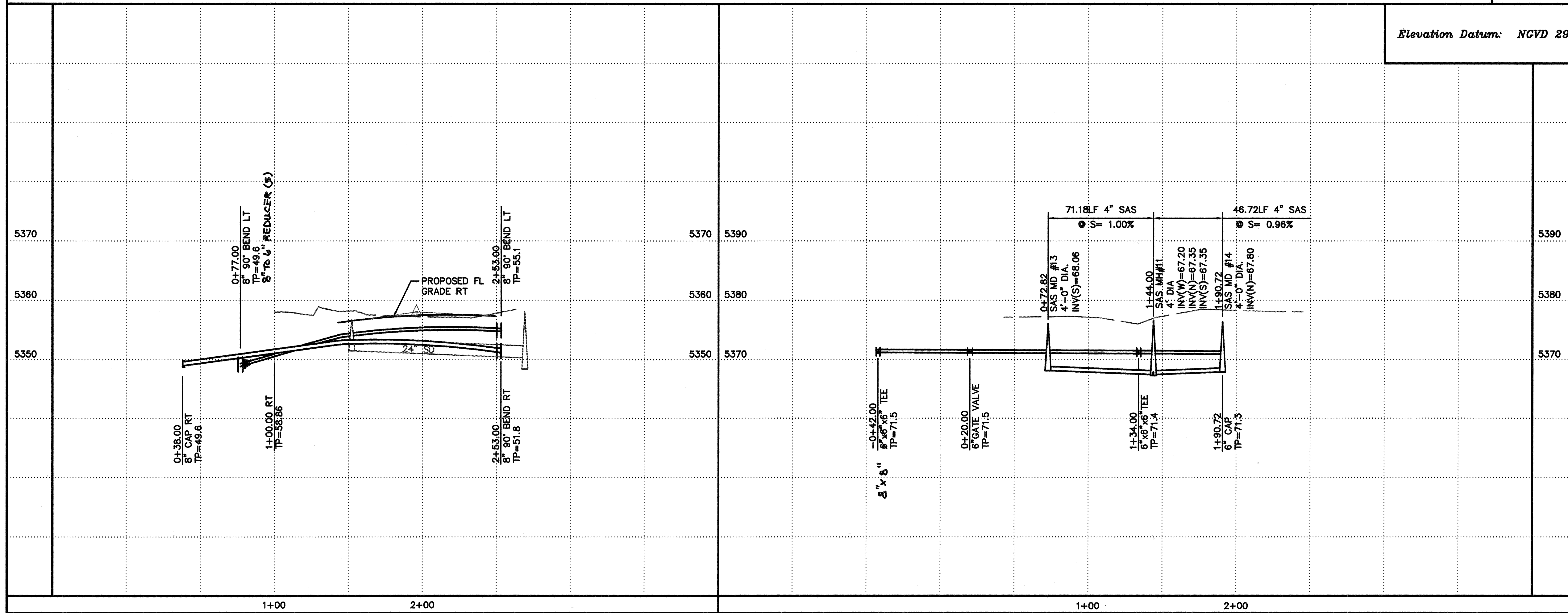
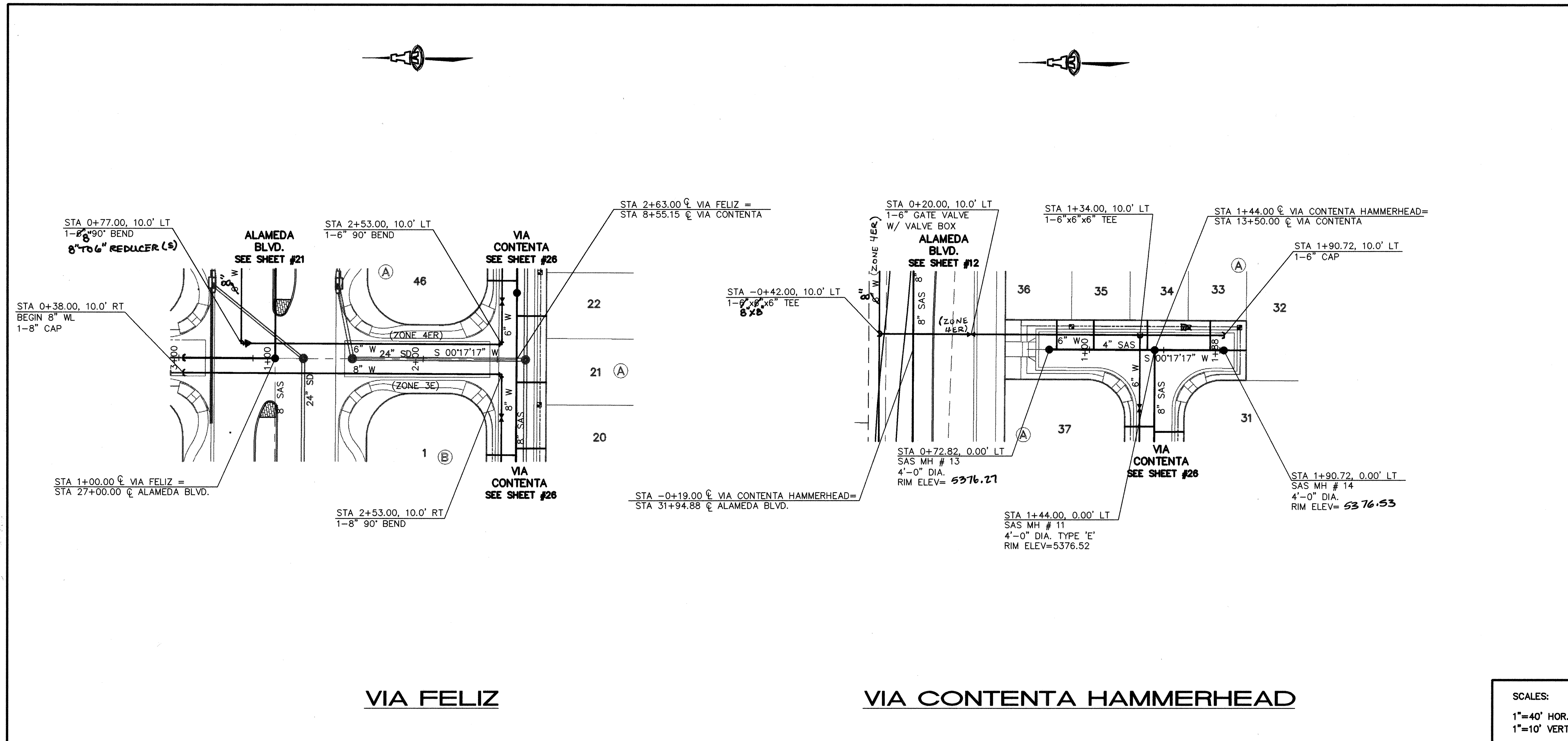
- SINGLE WATER METER & BOX
- DOUBLE WATER METER & BOX
- GATE VALVE W/ VALVE BOX
- FIRE HYDRANT
- SAS MANHOLE
- WATER LINE W/ FITTING

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: TREMENTINA SUBDIVISION
VIA DE PAZ
STA 1+00.00 TO END
UTILITY PLAN & PROFILE

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
NOV - 3 2003	APPROVE DEC - 8 2003 CITY ENGINEER		
City Project No.	Zone Map No.	Sheet	Of
702482	C-19	23	31



- GENERAL NOTES**
- CONSTRUCT SAS SERVICES PER COA STD DWG #2125.
 - CONSTRUCT FIRE HYDRANTS PER DESIGNATED DEPTHS & LENGTHS PER COA STD DWG #2340.
 - CONSTRUCT ALL SINGLE & DOUBLE WATER SERVICES PER COA STD DWG'S #2361, #2362, & #2363.
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 - SEE SHEET #18 FOR RESTRAINED JOINT LENGTHS FOR WATER LINE FITTINGS.

UTILITY SERVICE TABLE

LOT NO.	STATION		SAS INV @ R/W
	WATER, LENGTH	SAS, LENGTH	
32/A*	2+01.24, 14' (S)	2+05.72, 15'	71.61
33/A	1+88.42, 6'	1+81.42, 20'	72.12
34/A	1+88.42, 6'	1+39.00, 20'	72.25
35/A	0+87.82, 6'	1+02.82, 20'	72.21
36/A	0+87.82, 6'	0+77.82, 20'	71.36

*INSTALL SAS SERVICE INTO MH PER COA STD DWG #2118.

ALL WATER SERVICES ARE DOUBLE EXCEPT WHERE NOTED AS (S) SINGLE.

SCALES:
1"=40' HOR.
1"=10' VERT.

Elevation Datum: NGVD 29

LEGEND

- SINGLE WATER METER & BOX
- DOUBLE WATER METER & BOX
- GATE VALVE W/ VALVE BOX
- FIRE HYDRANT
- SAS MANHOLE
- WATER LINE W/ FITTING

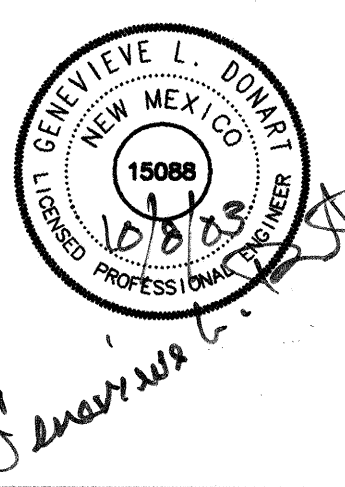
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Consulting Engineering Associates
128 Monroe Street, N.E.
Albuquerque, New Mexico
1257UTL2-P2.DWG(mr) VIEW 2 10/08/03

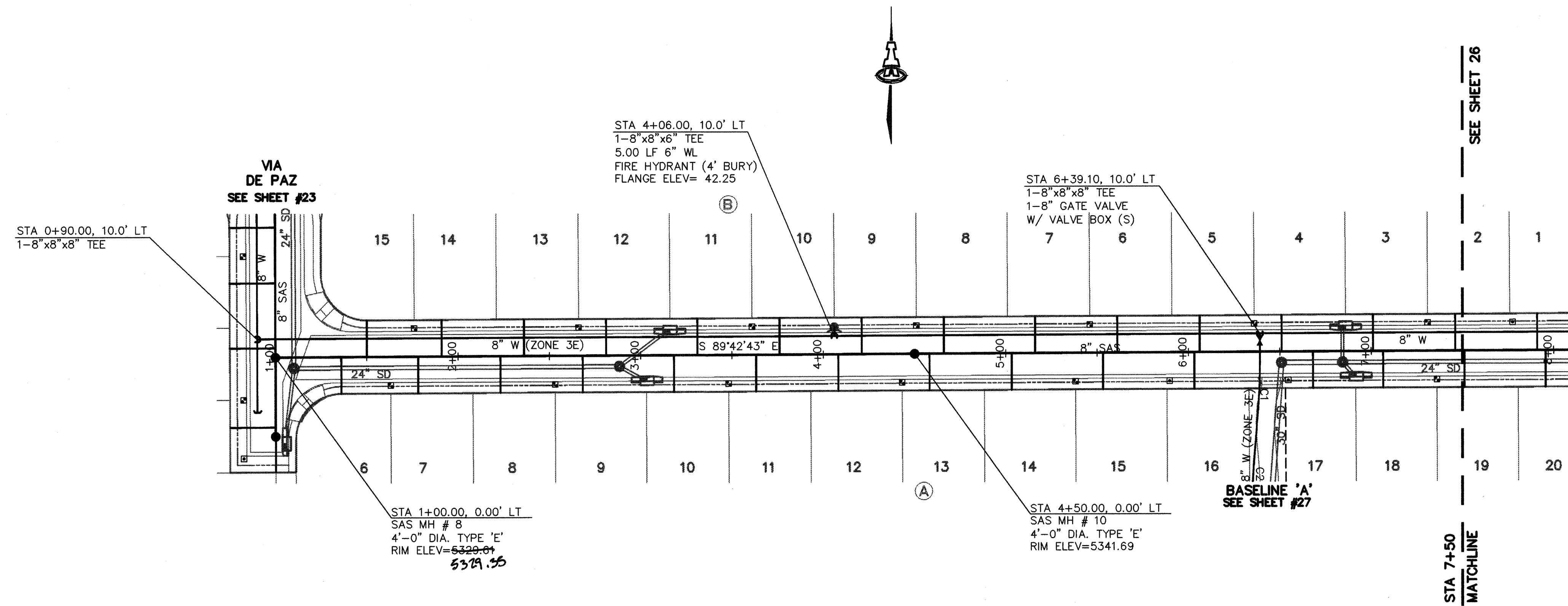
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **VIA FELIZ** TREMENTINA SUBDIVISION
STA 1+00.00 TO END VIA CONTENTA HAMMERHEAD
STA 0+63.80 TO END
UTILITY PLAN & PROFILE

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
NOV - 3 2003	DEC - 8 2003		
REVIEWED	CITY ENGINEER	Last Design Update	
City Project No. 702482	Zone Map No. C-19	Sheet 24	Of 31

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	SILLS - BROTHER	CONCRETE POST ON	NWSH BRASS CAP "1-25-11" SET IN CONCRETE POST ON EAST SIDE OF FRONTAGE ROAD NEAR THE SW CORNER OF THE CORONADO AIRFIELD	FIELD NOTES	ALDRICH SURVEYING	DATE	04/03
STATIONED BY	DAVE S. COV	DATE	04/03	1.			
INSPECTED BY	DAVE S. COV	DATE	04/03				
FIELD CHECKED BY	DAVE S. COV	DATE	04/03				
VERIFIED BY	DAVE S. COV	DATE	04/03				
CORRECTED BY	DAVE S. COV	DATE	04/03				
RECORDED BY	DAVE S. COV	DATE	04/03				
NO.							





GENERAL NOTES

- CONSTRUCT SAS SERVICES PER COA STD DWG #2125.
- CONSTRUCT FIRE HYDRANTS PER DESIGNATED DEPTHS & LENGTHS PER COA STD DWG #2340.
- CONSTRUCT ALL SINGLE & DOUBLE WATER SERVICES PER COA STD DWG'S #2361, #2362, & #2363.
- SEE SHEET #18 FOR WATER SHUT-OFF PLAN.
- SEE SHEET #18 FOR RESTRAINED JOINT LENGTHS FOR WATER LINE FITTINGS.

UTILITY SERVICE TABLE

LOT NO.	STATION		SAS INV @ R/W
	WATER, LENGTH	SAS, LENGTH	
6/A	1+63.10, 26'	1+36.00, 20'	25.85
7/A	1+78.10, 26'	1+78.10, 20'	27.38
8/A	2+23.10, 26'	2+23.10, 20'	29.24
9/A	2+53.10, 26'	2+53.10, 20'	31.33
10/A	3+18.10, 26'	3+18.10, 20'	33.50
11/A	3+48.10, 26'	3+48.10, 20'	35.18
12/A	4+08.10, 26'	4+08.10, 20'	36.86
13/A	4+43.10, 26'	4+43.10, 20'	38.72
14/A	5+38.10, 26'	5+38.10, 20'	40.40
15/A	5+53.10, 26'	5+53.10, 20'	42.26
16/A	6+03.10, 26'	6+03.10, 20'	44.12
17/A	6+53.10, 26'	6+53.10, 20'	46.54
18/A	7+06.50, 26'	7+06.50, 20'	47.96
19/A	7+36.00, 26'	7+36.00, 20'	49.50
2/B	7+31.00, 6'	7+46.00, 20'	49.32
3/B	7+01.00, 20'	7+01.00, 20'	47.76
4/B	6+51.00, 20'	6+51.00, 20'	45.90
5/B	6+06.10, 20'	6+06.10, 20'	44.23
6/B	5+61.00, 20'	5+61.00, 20'	42.55
7/B	5+16.00, 20'	5+16.00, 20'	40.88
8/B	4+66.00, 20'	4+66.00, 20'	39.01
9/B	4+21.00, 20'	4+21.00, 20'	37.34
10/B	3+76.00, 20'	3+76.00, 20'	35.66
11/B	3+31.00, 20'	3+31.00, 20'	33.98
12/B	2+81.00, 20'	2+81.00, 20'	31.94
13/B	2+36.00, 20'	2+36.00, 20'	29.83
14/B	1+91.00, 20'	1+91.00, 20'	27.97
15/B	1+76.00, 6'	1+50.00, 20'	26.63

SCALES:
1"=40' HOR.
1"=10' VERT.

Elevation Datum: NGVD 29

ALL WATER SERVICES ARE DOUBLE EXCEPT WHERE NOTED AS (S) SINGLE.

LEGEND

- SINGLE WATER METER & BOX
- DOUBLE WATER METER & BOX
- GATE VALVE W/ VALVE BOX
- FIRE HYDRANT
- SAS MANHOLE
- WATER LINE W/ FITTING

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Albuquerque, New Mexico
1257UTL2-P2.DWG/its VIEW 3 07/29/03

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: TREMONTINA SUBDIVISION
VIA CONTENTA
STA 1+00.00 TO STA 7+00.00
UTILITY PLAN & PROFILE

Design Review Committee City Engineer Approval

NOV - 3 2003
DEC - 8 2003
CITY ENGINEER

City Project No. 702482 Zone Map No. C-19

AS-BUILT INFORMATION	CONTRACTOR: SALLS - BROTHERS	DATE: 01/04/03
INSPECTOR: SALLS - BROTHERS	DATE: 01/04/03	
VERIFICATION BY: SALLS - BROTHERS	DATE: 01/04/03	
RECORDED BY: SALLS - BROTHERS	DATE: 01/04/03	
NO.		

BENCH MARKS	NMHC BRASS CAP "1-25-11" SET IN CONCRETE POST ON ON EAST SIDE OF FRONTAGE ROAD NEAR THE SW CORNER OF THE CORONADO AIRFIELD	ELEVATION=5206.94 (NGVD 1929)
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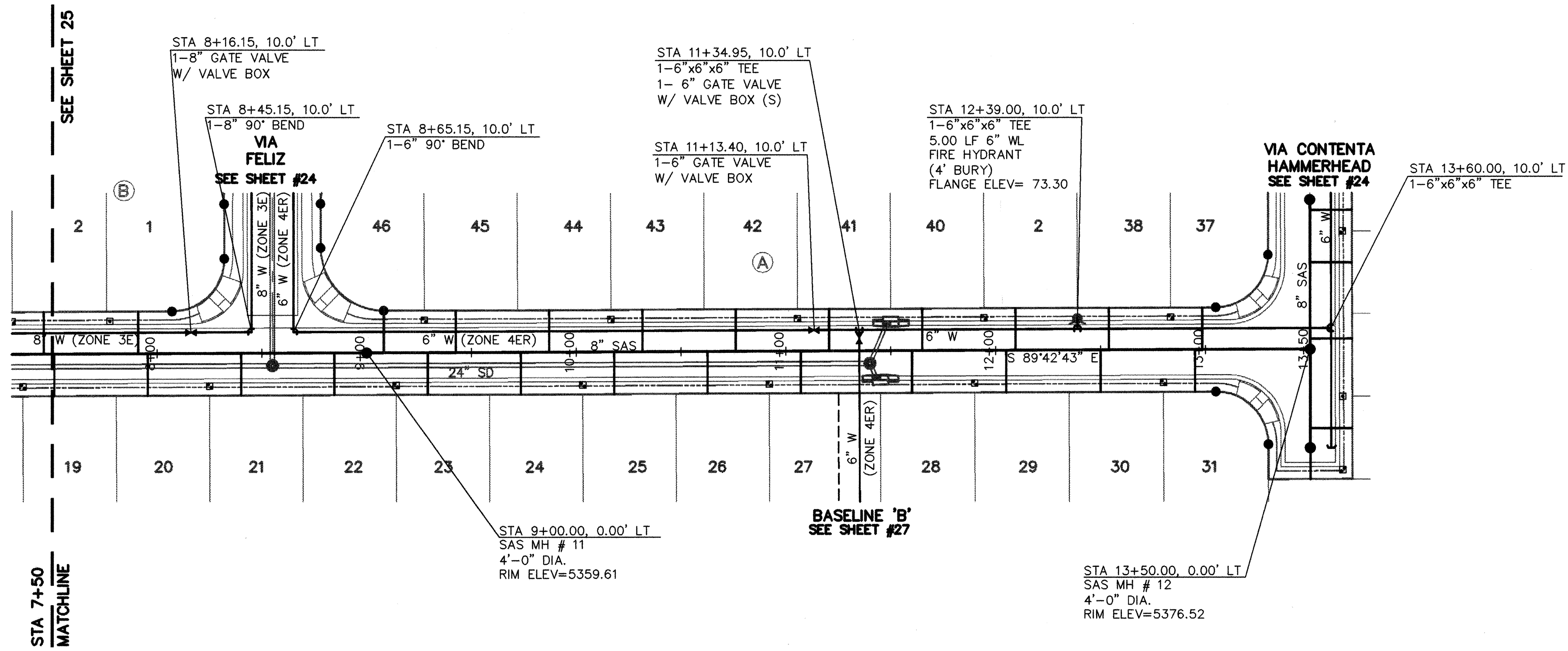
SURVEY INFORMATION	FIELD NOTES	1. ALDRICH SURVEYING 04/03
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ENGINEER'S SEAL	GENIEVE L. DUMAT NEW MEXICO 15086 PROFESSIONAL ENGINEER
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REVISIONS	BY	DATE
NO.	DATE	DATE
DESIGNED BY	GLD	04/03
DRAWN BY	RFH	04/03
CHECKED BY	GLD	04/03

Sheet	25	Of 31
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SCANNED BY
MESA REPRO



VIA CONTENTA

SCALES:
1"=40' HOR.
1"=10' VERT.

GENERAL NOTES

1. CONSTRUCT SAS SERVICES PER COA STD DWG #2125.
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5. SEE SHEET #18 FOR RESTRAINED JOINT LENGTHS FOR WATER LINE FITTINGS.

UTILITY SERVICE TABLE

LOT NO.	STATION		SAS INV @ R/W
	WATER, LENGTH	SAS, LENGTH	
19/A	7+36.00, 26'(S)	7+51.00, 20'	49.50
20/A	8+25.00, 26'	7+95.50, 20'	51.04
21/A		8+40.00, 20'	52.58
22/A	9+14.00, 26'	8+84.50, 20'	54.13
23/A		9+29.00, 20'	55.67
24/A	10+03.00, 26'	9+73.50, 20'	57.21
25/A		10+18.00, 20'	58.86
26/A	10+92.00, 26'	10+62.50, 20'	60.66
27/A		11+07.00, 20'	62.46
28/A	11+90.00, 26'	11+60.00, 20'	64.61
29/A		12+05.00, 20'	66.43
30/A	12+80.00, 26'	12+50.00, 20'	68.25
31/A		12+95.00, 20'	70.07
37/A	12+83.50, 6'	12+98.50, 20'	70.21
38/A		12+54.00, 20'	68.41
39/A	11+94.50, 6'	12+09.50, 20'	66.61
40/A		11+65.00, 20'	64.81
41/A	11+05.50, 6'	11+20.50, 20'	63.01
42/A		10+76.00, 20'	61.21
43/A	10+16.50, 6'	10+31.50, 20'	59.40
44/A		9+87.00, 20'	57.68
45/A	9+27.50, 6'	9+42.50, 20'	56.14
46/A		9+08.15, 20'	54.95
1/B	7+76.00, 6'(S)	7+91.00, 20'	50.99

ALL WATER SERVICES ARE DOUBLE EXCEPT WHERE NOTED AS (S) SINGLE.

LEGEND

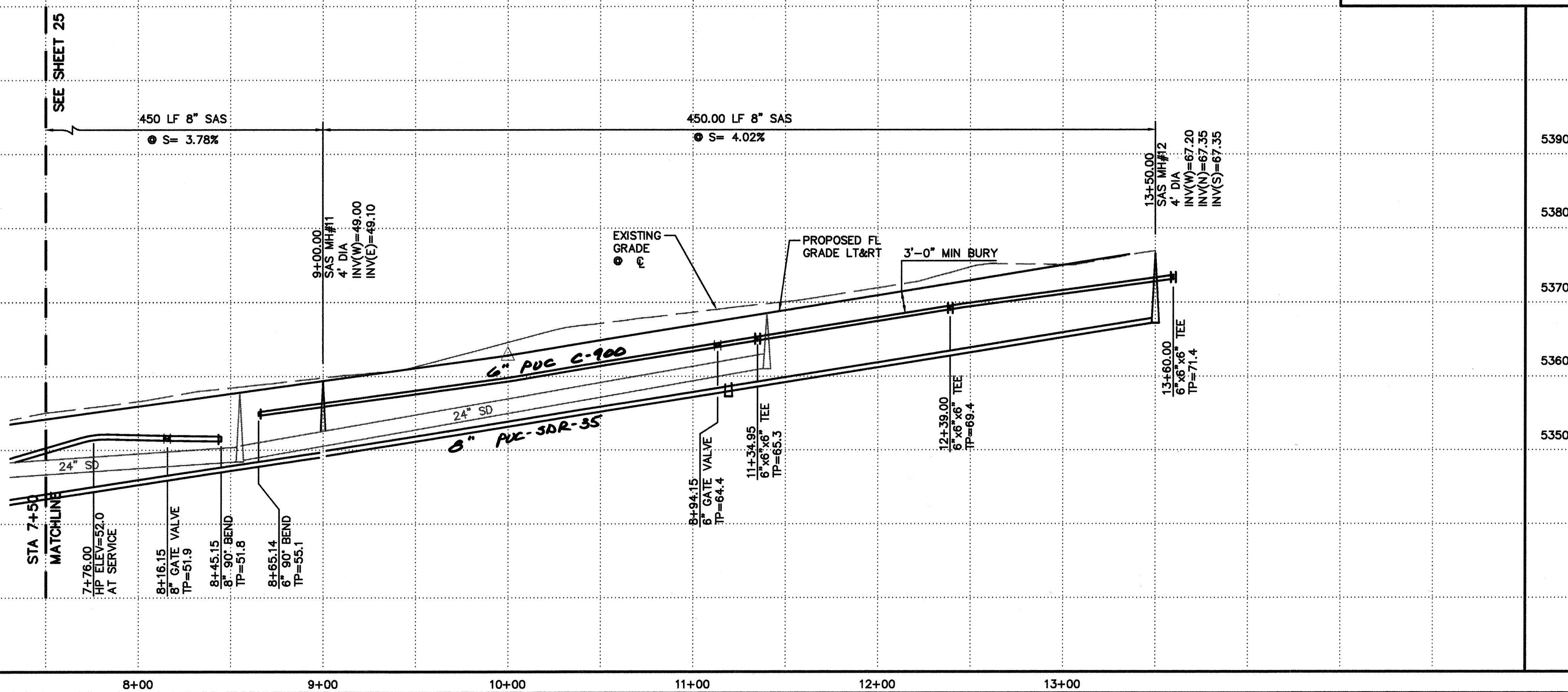
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|  | SINGLE WATER METER & BOX |
|  | DOUBLE WATER METER & BOX |
|  | GATE VALVE W/ VALVE BOX |
|  | FIRE HYDRANT |
|  | SAS MANHOLE |
|  | WATER LINE W/ FITTING |

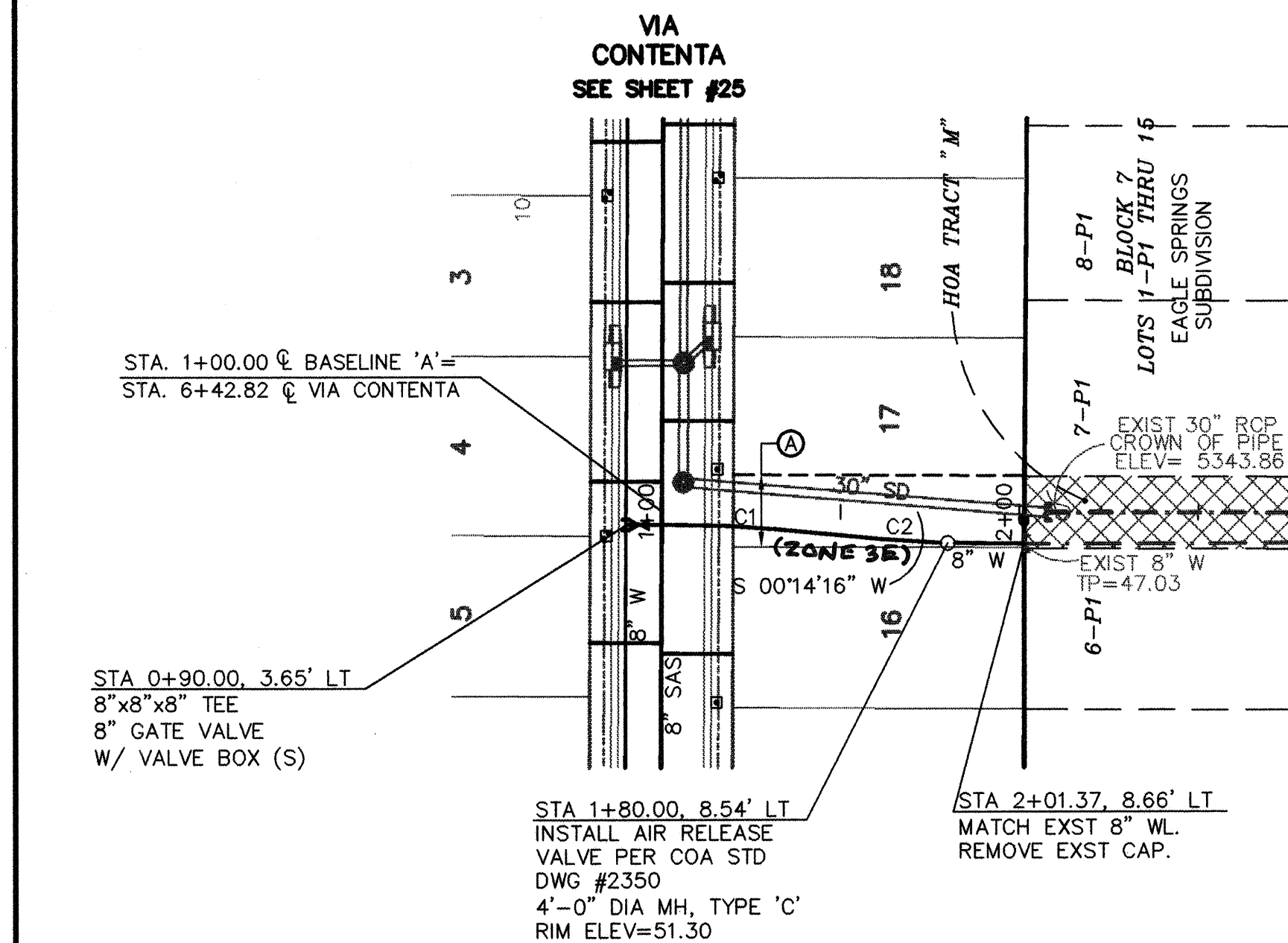
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Albuquerque New Mexico
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PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

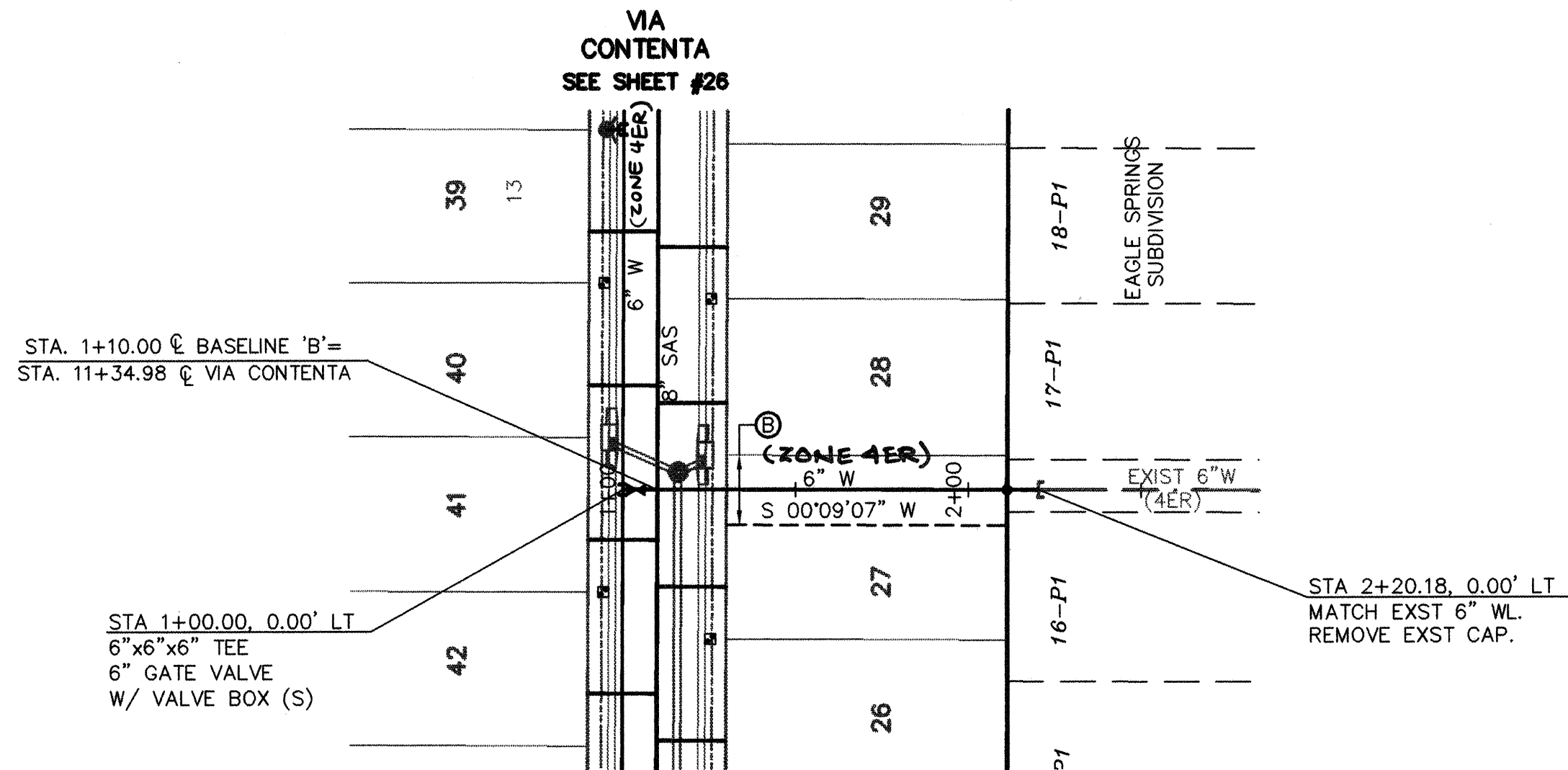
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VIA CONTENTA
STA 7+00.00 TO END
UTILITY PLAN & PROFILE

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
NOV - 3 2003	APPROVED DEC - 8 2003 CITY ENGINEER			
City Project No.	Zone Map No.	Sheet	Of	





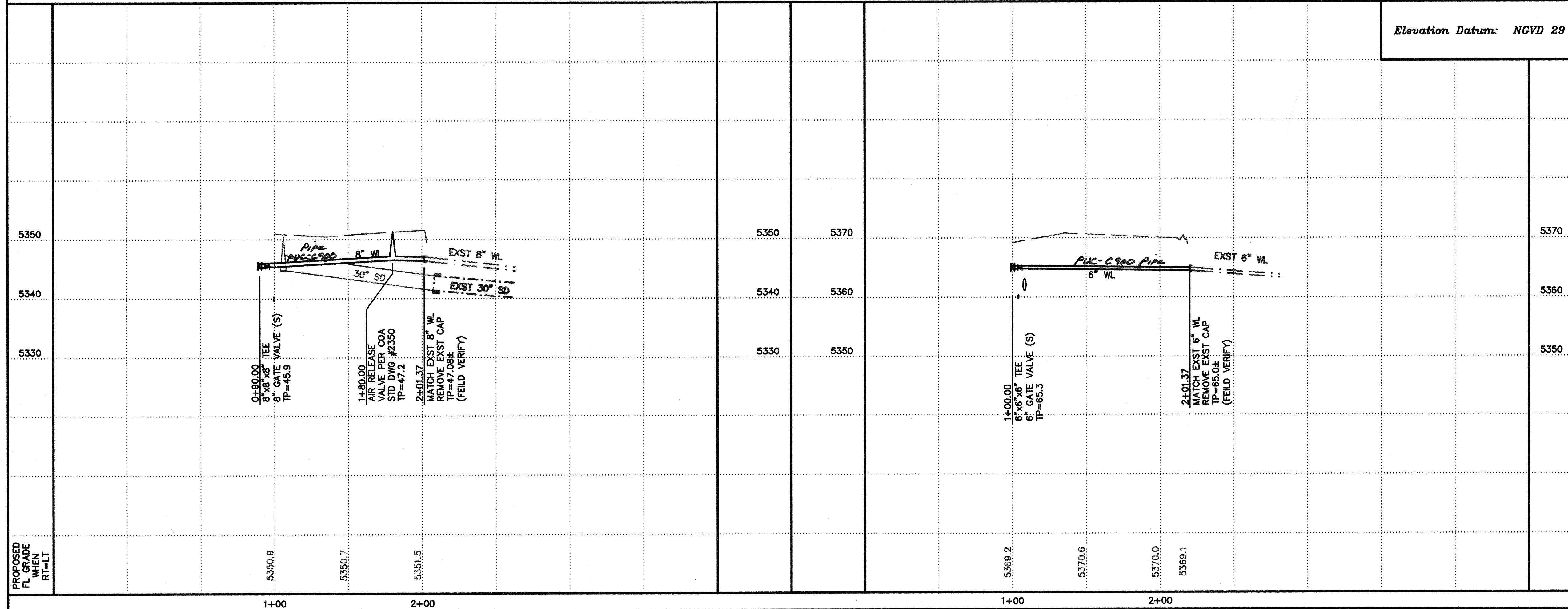
BASELINE 'A'



BASELINE 'B'

SCALES:
1"=40' HOR.
1"=10' VERT.

Elevation Datum: NGVD 29



GENERAL NOTES

1. CONSTRUCT SAS SERVICES PER COA STD DWG #2125.
2. CONSTRUCT FIRE HYDRANTS PER DESIGNATED DEPTHS & LENGTHS PER COA STD DWG #2340.
3. CONSTRUCT ALL SINGLE & DOUBLE WATER SERVICES PER COA STD DWG'S #2361, #2362, & #2363.
4. SEE SHEET #18 FOR WATER SHUT-OFF PLAN.
5. SEE SHEET #18 FOR RESTRAINED JOINT LENGTHS FOR WATER LINE FITTINGS.

EASEMENT NOTES:

- A. 20' PUBLIC WATER, DRAINAGE, AND PEDESTRIAN ACCESS EASEMENT TO BE GRANTED BY FINAL PLAT.
- B. 20' PUBLIC WATER EASEMENT TO BE GRANTED BY FINAL PLAT.

WL CURVE TABLE

CURVE	RADIUS	LENGTH	DELTA
C1	300.00	26.00	4°57'54"
C2	300.00	25.86	4°56'18"

LEGEND

- SINGLE WATER METER & BOX
- DOUBLE WATER METER & BOX
- GATE VALVE W/ VALVE BOX
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- SAS MANHOLE
- WATER LINE W/ FITTING

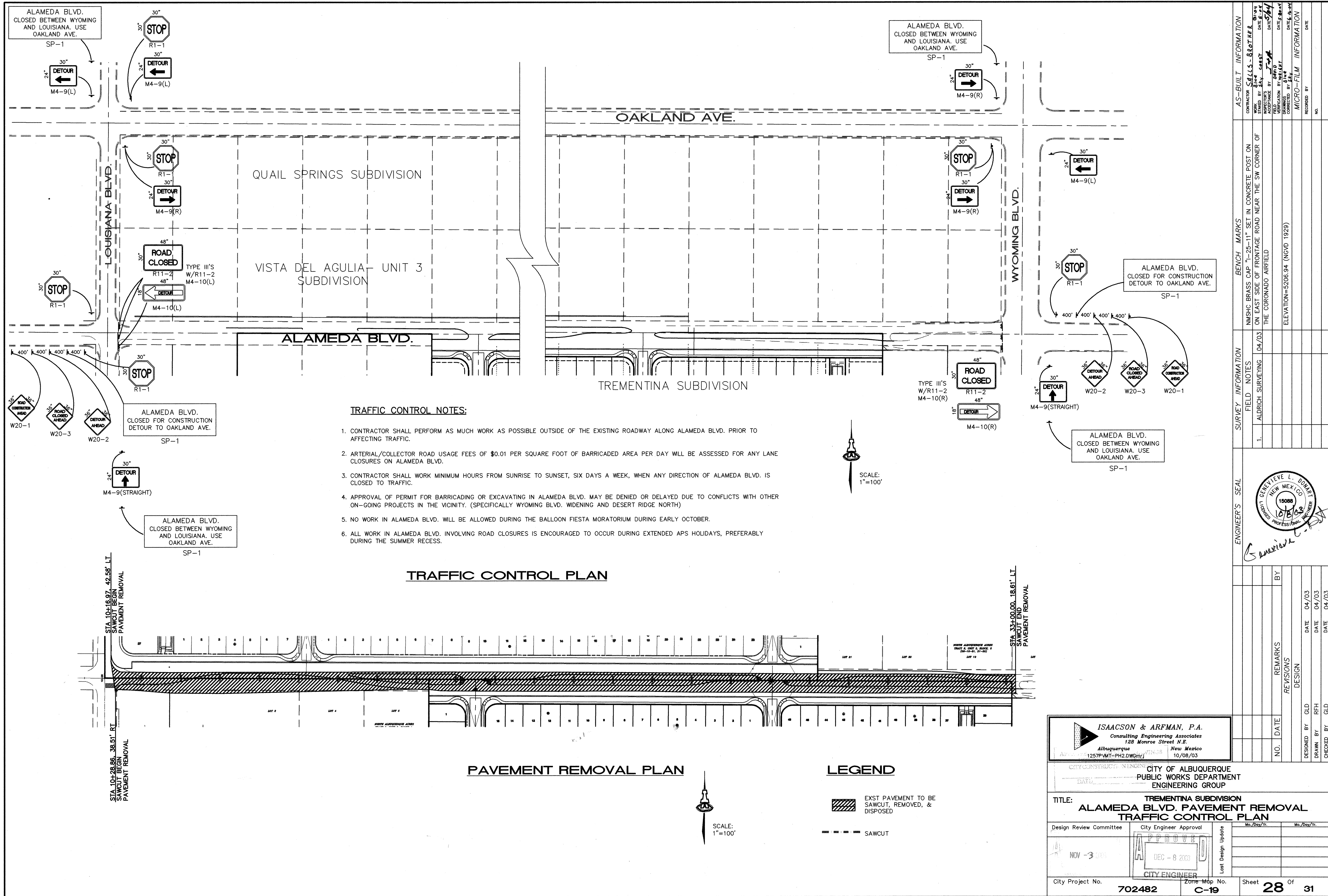
ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque New Mexico
1257UTL1-P2.DWG/rs VIEW: 4 08/06/03

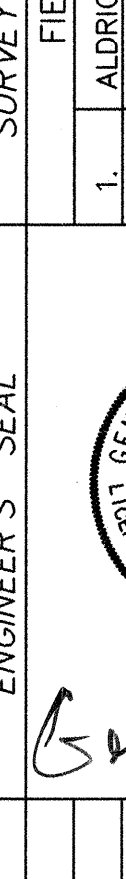
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: TREMENTINA SUBDIVISION
BASELINE 'A' STA 1+00.00 TO END
BASELINE 'B' STA 1+00.00 TO END
UTILITY PLAN & PROFILE

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
NOV - 3 2003	APPROVED DEC - 8 2003 CITY ENGINEER		
City Project No.	Zone Map No.	Sheet	Of
702482	C-19	27	31

AS-BUILT INFORMATION	BENCH MARKS	SURVEY INFORMATION	ENGINEER'S SEAL
CONTRACTOR: SALLS-Baetler DATE: 01-04 WROTE BY: SALLS CHECKED BY: SALLS ACCEPTANCE BY: SALLS DATE: 01-04 VERIFICATION BY: SALLS DATE: 01-04 CORRECTED BY: SALLS DATE: 01-04	NMSHC BRASS CAP "1-25-11" SET IN CONCRETE POST ON ON EAST SIDE OF FRONTAGE ROAD NEAR THE SW CORNER OF THE CORONADO AIRFIELD ELEVATION=5206.94 (NGVD 1929)	FIELD NOTES 1. ALDRICH SURVEYING 04/03	GENIEVE L. DONATI NEW MEXICO 15088 11-11-03 PROFESSIONAL ENGINEER



ENGINEER'S SEAL										SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
										FIELD NOTES		NMSHC BRASS CAP "1-25-11" SET IN CONCRETE POST ON ON EAST SIDE OF FRONTAGE ROAD NEAR THE SW CORNER OF THE CORONADO AIRFIELD		CONTRACTOR SALLS-BROTHER	
										1. ALDRICH SURVEYING 04/03				WORK SHOWN BY DATE	
														FIELD ACCEPTANCE BY DATE	
														FIELD REVISION BY DATE	
														DRAWINGS CORRECTED BY DATE	
										ELEVATION=5206.94 (NGVD 1929)		MICRO-FILM INFORMATION			
												RECORDED BY DATE			
												NO.			

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Albuquerque, New Mexico 87102
1257PVT-PH2.DWG

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

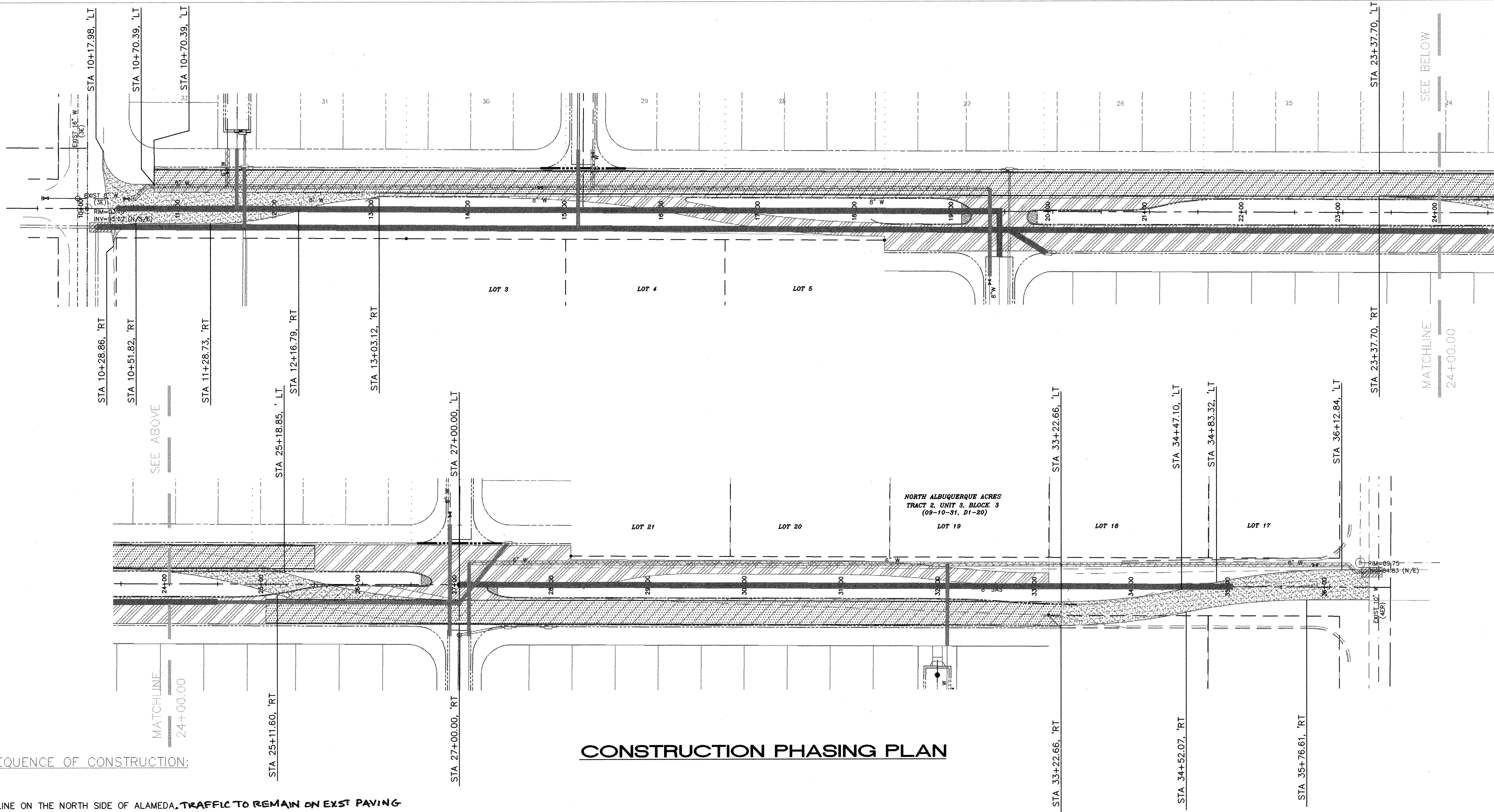
TITILE: TREMENTINA SUBDIVISION
ALAMEDA BLVD. PAVEMENT REMOVAL
TRAFFIC CONTROL PLAN

Design Review Committee City Engineer Approval

NOV - 3 2003 DEC - 8 2003

CITY ENGINEER

City Project No. 702482 Zone Map No. C-19 Sheet 28 of 31



SUGGESTED SEQUENCE OF CONSTRUCTION:

- PHASE 1**
-CONSTRUCT WATERLINE ON THE NORTH SIDE OF ALAMEDA, TRAFFIC TO REMAIN ON EXST PAVING
- PHASE 2**
-NARROW DRIVING LANES ON EXISTING PAVING TO 11' WIDE, TO MOVE TRAFFIC NORTH OR SOUTH AS NEEDED, AWAY FROM PROPOSED PAVING. SPEED LIMIT 25 MPH.
-CONSTRUCT STANDARD CURB & GUTTER, BASE COURSE, AND 4" THICKNESS OF THE FINAL PAVING THICKNESS TO 24' WIDE. NORTH SIDE FROM STA 10+70.39 TO STA 25+50.00. SOUTH SIDE FROM STA 25+00.00 TO STA 33+22.66.
- STRIPE OR OTHERWISE MARK TEMPORARY DRIVING LANES.
- PHASE 3**
-CLOSE ALAMEDA FOR A MAXIMUM OF 10 DAYS PER THE DETOUR PLAN ON SHEET 28. CONTACT JOE LEUHRING OF THE CITY CONSTRUCTION COORDINATION AT 505-924-3409 AT LEAST SEVEN (7) DAYS PRIOR TO CLOSURE.
-REMOVE & DISPOSE OF EXISTING PAVING.
-CONSTRUCT THE PROPOSED SANITARY SEWER LINE FROM THE EXISTING STUCB AT LOUISIANA BLVD. TO STA 13+00.00.
-CONSTRUCT 4" THICK TEMPORARY PAVING PER THE DETAIL ON SHEET 8 FROM STA 10+17.98 TO STA 13+03.12 BUILD PER PROPOSED FINAL CONFIGURATION. TRANSITION 4 1/2" ELEVATION ALONG THE MATCHLINE WITH THE PAVEMENT PLACED IN PHASE 2 WITH A SLOPE. FROM STA 23+37.70 TO STA 27+00.00 TRANSITION FROM PAVING ON THE NORTH SIDE TO PAVING ON THE SOUTH SIDE. FROM STA 33+22.66 TO TRANSITION FROM THE PAVING ON THE SOUTH SIDE TO MATCH EXST PAVING AT THE WYOMING BLVD. INTERSECTION.
-STRIPE OR OTHERWISE MARK TEMPORARY DRIVING LANES.
- PHASE 4**
-OPEN ALAMEDA TO TRAFFIC ON NEW LANES CREATED IN PHASE 3.
-CONSTRUCT REMAINING SANITARY SEWER AND STORM DRAIN WHERE OUTSIDE OF CURRENT PAVING.
- PHASE 5**
-CLOSE ALAMEDA FOR A MAXIMUM OF 5 DAYS PER THE DETOUR PLAN ON SHEET 28. CONTACT JOE LEUHRING OF THE CITY CONSTRUCTION COORDINATION AT 505-924-3409 AT LEAST SEVEN (7) DAYS PRIOR TO CLOSURE.
-COMPLETE REMAINING WATER, SANITARY SEWER, AND STORM DRAIN WITHIN THE ALAMEDA BLVD RIGHT-OF-WAY. SAWCUT, REMOVE & REPLACE PAVING AS NEEDED PER COA STD DWG #2465. REMOVE & REPLACE CURB AS NEEDED.
- PHASE 6**
-OPEN ALAMEDA TO TRAFFIC.
-CONSTRUCT FULL PAVING SECTION IN REMAINING AREA EXCEPT AT TRANSITION AROUND STA 25+00.00.
-CONSTRUCT AS MUCH OF THE MEDIAN CURB AS IS PRACTICAL AND SAFE WITH REGARD TO TRAFFIC.
- PHASE 7**
-CLOSE ALAMEDA FOR A MAXIMUM OF 5 DAYS PER THE DETOUR PLAN ON SHEET 28. CONTACT JOE LEUHRING OF THE CITY CONSTRUCTION COORDINATION AT 505-924-3409 AT LEAST SEVEN (7) DAYS PRIOR TO CLOSURE.
-REMOVE CONTROLS FOR THE TEMPORARY DRIVING LANES.
-SAWCUT AND REMOVE TEMPORARY PAVING BETWEEN STA 24+00± TO STA 26+00±.
-CONSTRUCT REMAINING MEDIAN CURB.
-COMPLETE ANY UNFINISHED PAVING. ADD REMAINING LIFTS TO PORTIONS OF PAVING THAT ARE ONLY 4" THICK.
-STRIPE AND SIGN TO FINAL CONFIGURATION.
-OPEN ALAMEDA TO TRAFFIC.

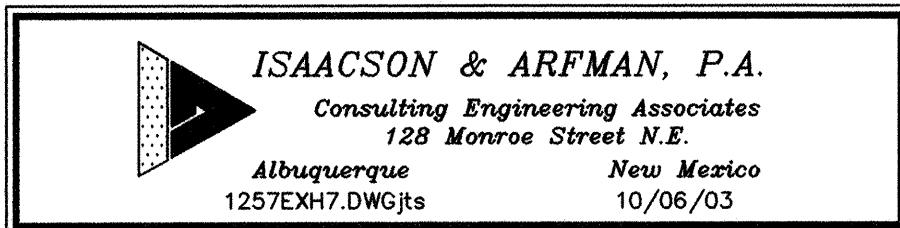
CONSTRUCTION PHASING PLAN

PHASING LEGEND

- PHASE 1
PHASE 2
PHASE 3
PHASE 4
PHASE 5
PHASE 6
PHASE 7

TRAFFIC CONTROL NOTES:

- CONTRACTOR SHALL PERFORM AS MUCH WORK AS POSSIBLE OUTSIDE OF THE EXISTING ROADWAY ALONG ALAMEDA BLVD. PRIOR TO AFFECTING TRAFFIC.
- ARTERIAL/COLLECTOR ROAD USAGE FEES OF \$0.01 PER SQUARE FOOT OF BARRICADED AREA PER DAY WILL BE ASSESSED FOR ANY LANE CLOSURES ON ALAMEDA BLVD.
- CONTRACTOR SHALL WORK MINIMUM HOURS FROM SUNRISE TO SUNSET, SIX DAYS A WEEK, WHEN ANY DIRECTION OF ALAMEDA BLVD. IS CLOSED TO TRAFFIC.
- APPROVAL OF PERMIT FOR BARRICADING OR EXCAVATING IN ALAMEDA BLVD. MAY BE DENIED OR DELAYED DUE TO CONFLICTS WITH OTHER ON-GOING PROJECTS IN THE VICINITY. (SPECIFICALLY WYOMING BLVD. WIDENING AND DESERT RIDGE NORTH)
- NO WORK IN ALAMEDA BLVD. WILL BE ALLOWED DURING THE BALLOON FIESTA MORATORIUM DURING EARLY OCTOBER.
- ALL WORK IN ALAMEDA BLVD. INVOLVING ROAD CLOSURES IS ENCOURAGED TO OCCUR DURING EXTENDED APS HOLIDAYS, PREFERABLY DURING THE SUMMER RECESS.



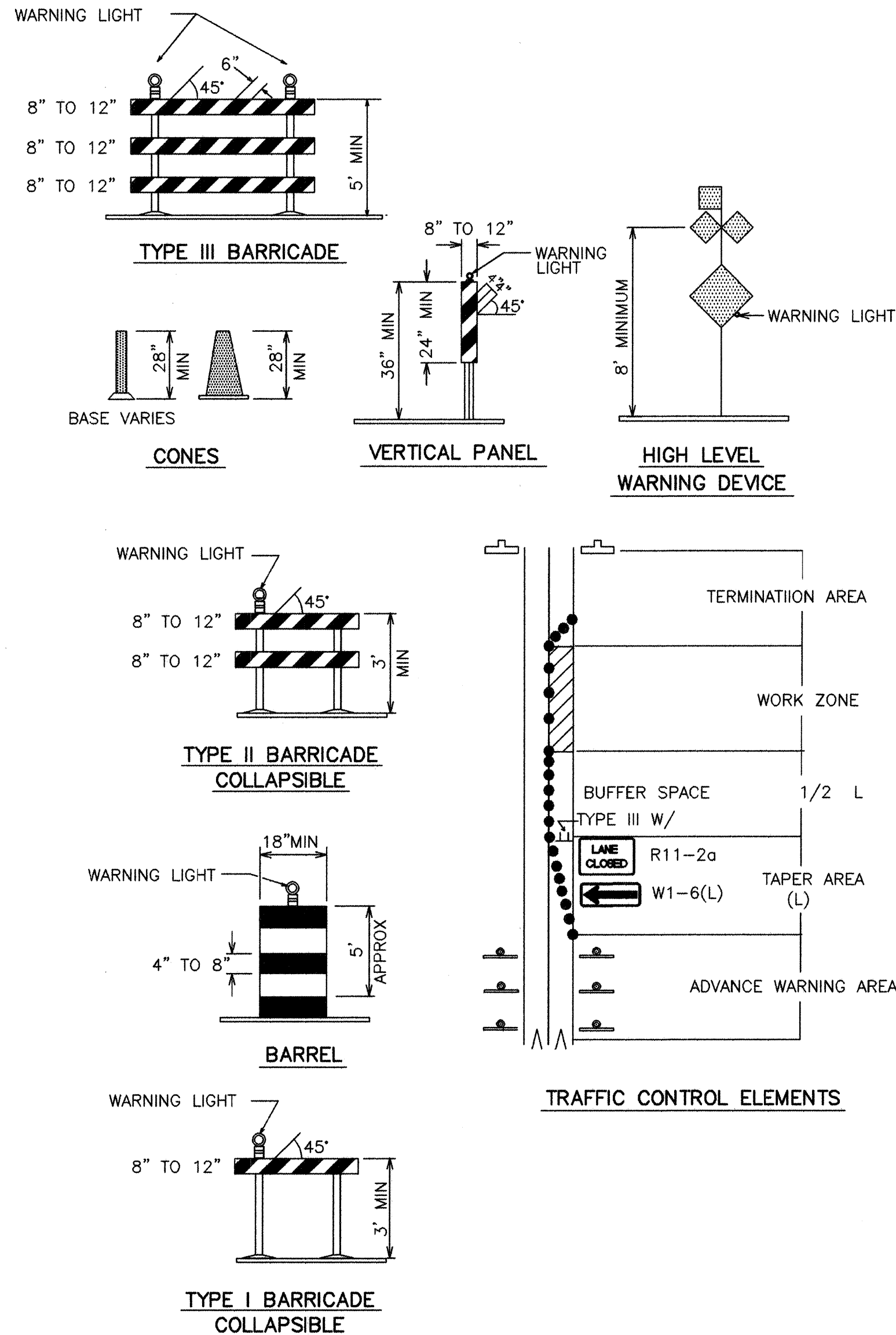
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE: ALMEDA CONSTRUCTION PHASING PLAN	
Design Review Committee	City Engineer Approval
NOV -3 2003	APPROVED DEC - 8 2003 CITY ENGINEER
City Project No. 702482	Zone Map No. C-19
Sheet 29	Of 31

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
		FIELD NOTES		NMSHC BRASS CAP "1-25-11" SET IN CONCRETE POST ON ON EAST SIDE OF FRONTAGE ROAD NEAR THE SW CORNER OF THE CORONADO AIRFIELD		CONTRACTOR: SELLER, BROTHER	
		1. ALDRICH SURVEYING 04/03		ELEVATION=5206.94 (NGVD 1929)		DESIGNED BY: SELLER, BROTHER CHECKED BY: SELLER, BROTHER DATE: 10/06/03	
REVISIONS		NO. DATE		BY		MICRO-FILM INFORMATION	
DESIGN		DATE 04/03		DATE 04/03		RECORDED BY	
CHECKED BY		DATE 04/03		DATE		NO.	

CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

- 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.
- 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. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.
- 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.
- CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- ALL WORK IN ARTERIAL ROADWAYS SHALL BE ON A CONTINUOUS 24 HOUR PER DAY BASIS UNTIL COMPLETED.
- 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.
- EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.
- CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.
- 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.
- 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.
- 48 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.
- ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.
- 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.

- CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
 - STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
 - THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
 - SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.
- 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.
- ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION, WASHING OF EQUIPMENT IS INCIDENTAL TO IT'S PLACEMENT AND MAINTENANCE.
- TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.
- ADVANCE WARNING SIGNS SHALL BE 36"x36" MIN. WITH SUPER ENGINEERING GRADE SHEETING OR BETTER. MOUNTING HEIGHT AT TOP OF SIGN SHALL BE THE SAME AS FOR A 48" SIGN AS INDICATED IN THE M.U.T.C.D.
- CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORKSITE. ALL GRAFFITI SHALL BE PROMPTLY REMOVED FROM ALL EQUIPMENT, BOTH PERMANENT AND TEMPORARY.



LEGEND

- WORK AREA
- BARRICADE - TYPE I, TYPE II, OR BARREL
- BARRICADE - TYPE III
- VERTICAL PANEL
- WARNING SIGN
- DISTANCE BETWEEN SIGNS - A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
- FLAGMAN POSITION
- SPACING BETWEEN BARRICADES - A DISTANCE MEASURED IN FEET EQUAL TO THE SPEED LIMIT OF THE STREET
- TAPER LENGTH - SEE CHART BELOW

THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET.

TAPER REQUIREMENT

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 BETWEEN SIGNS	DISTANCE IN FEET FROM LAST SIGN TO TAPER
0-20	10 X SPEED LIMIT	10 X SPEED LIMIT
25-30	10 X SPEED LIMIT	10 X SPEED LIMIT
30-35	10 X SPEED LIMIT	10 X SPEED LIMIT
40-45	10 X SPEED LIMIT	10 X SPEED LIMIT
50-60	10 X SPEED LIMIT	10 X SPEED LIMIT

TAPER CRITERIA

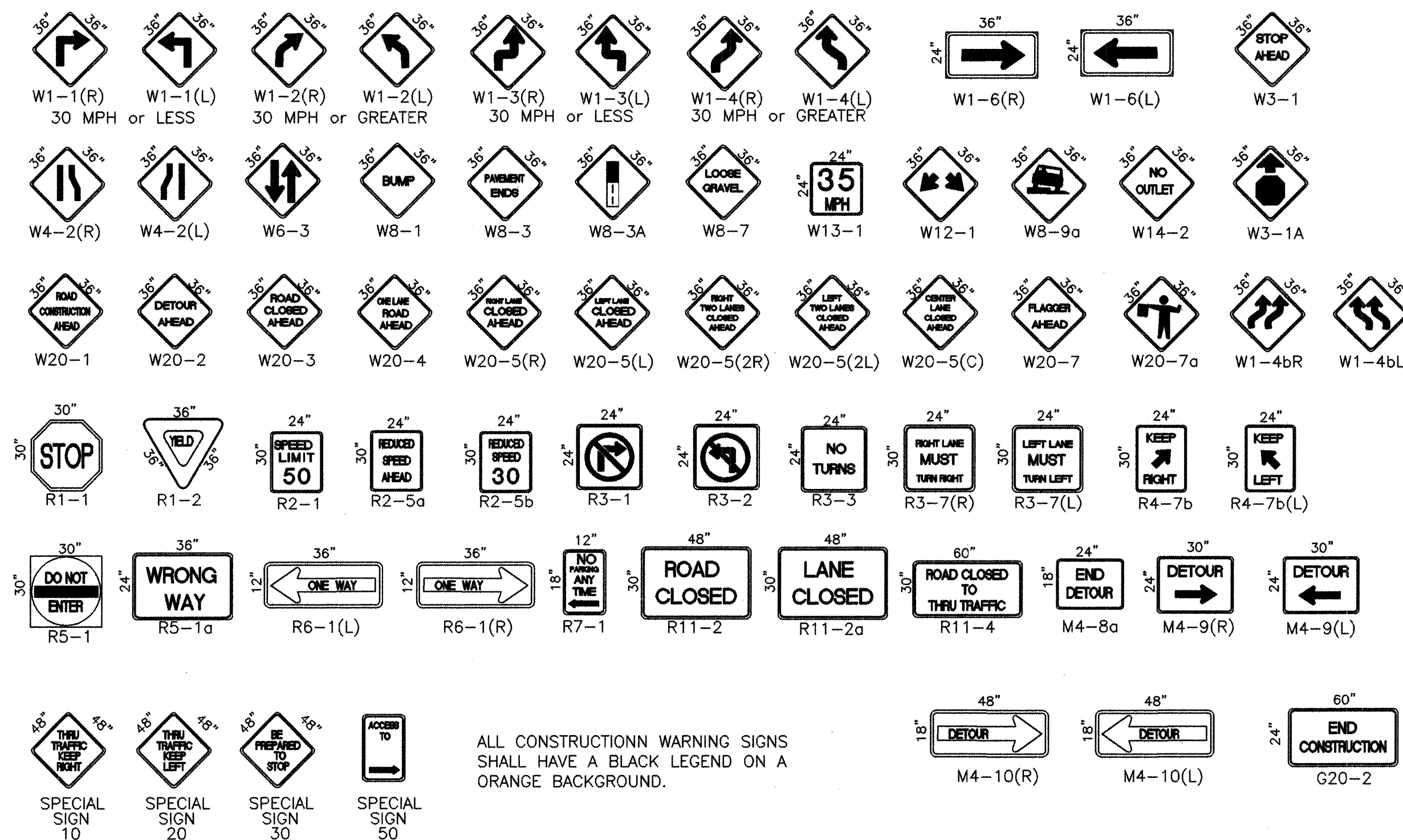
TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

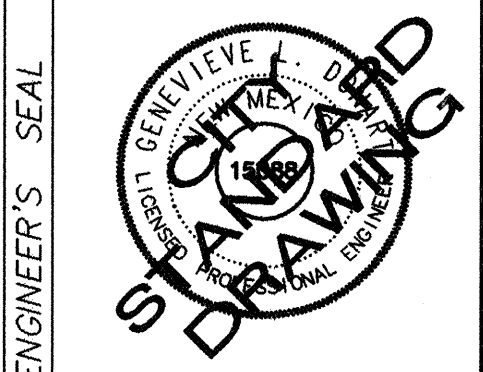
SPEED LIMIT	L = WS ² / 60
40 MPH OR LESS	
40 MPH OR GREATER	L = W x S

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.



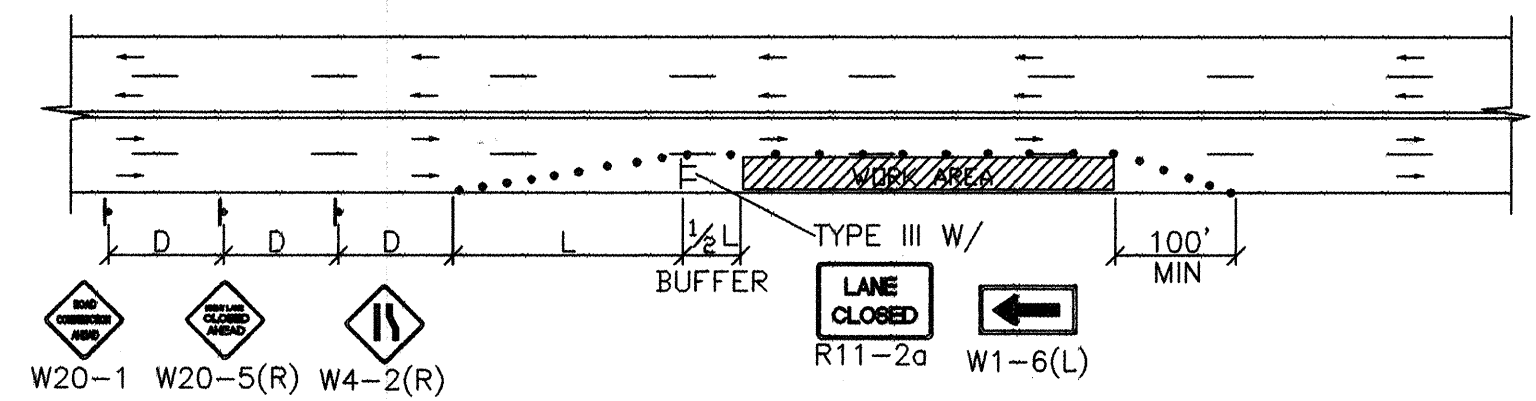
ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque, New Mexico 87102
12571RF1-PH2.DWGrh 07/10/03

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

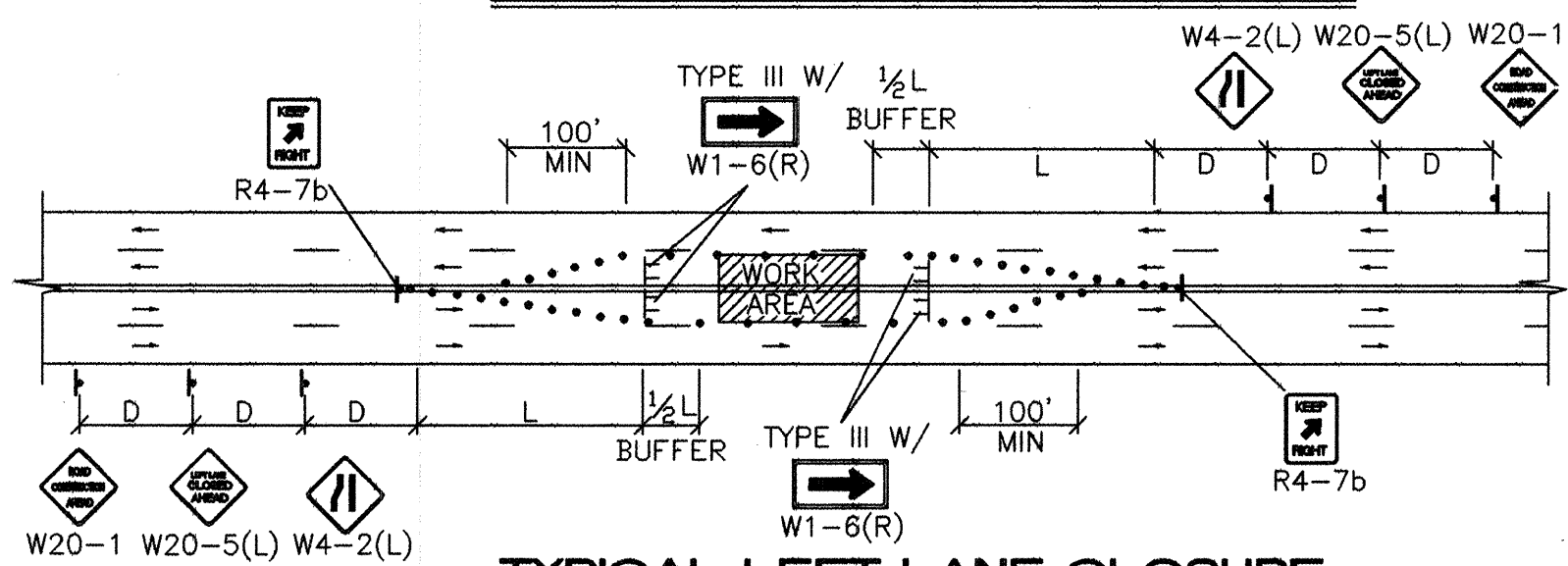
TITLE: TREMONTA SUBDIVISION
SIGNING & CONSTRUCTION TRAFFIC CONTROL STANDARDS

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

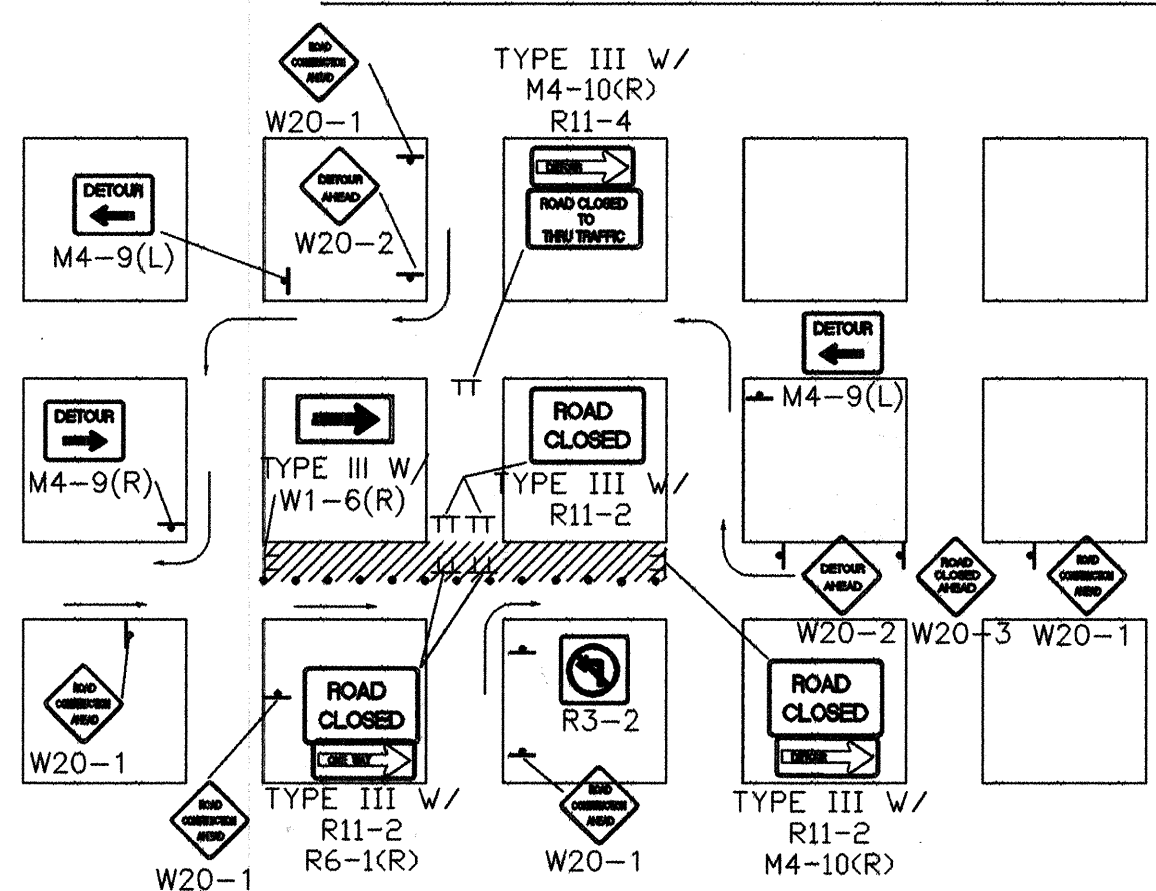
City Project No. 702482 Zone Map No. C-19 Sheet 30 Of 31



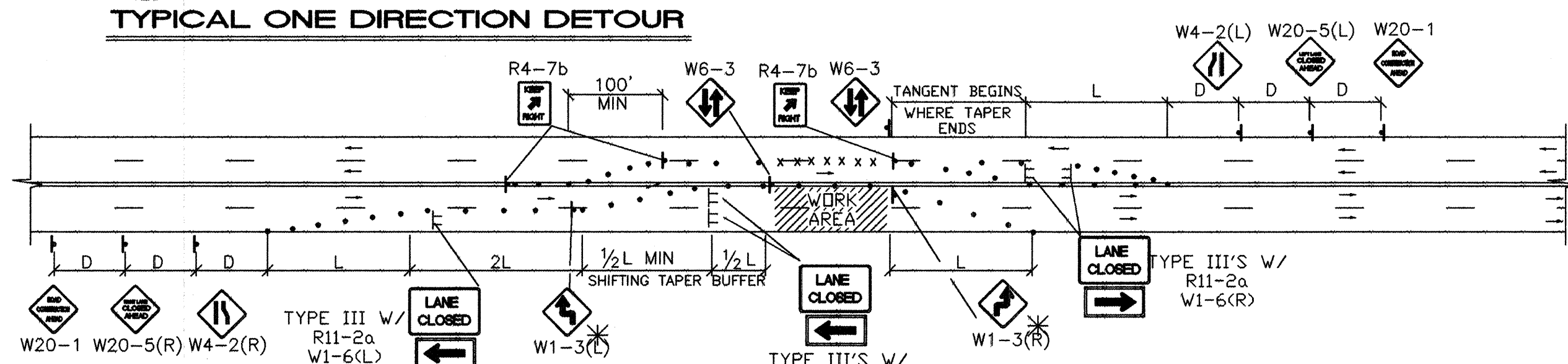
TYPICAL RIGHT LANE CLOSURE



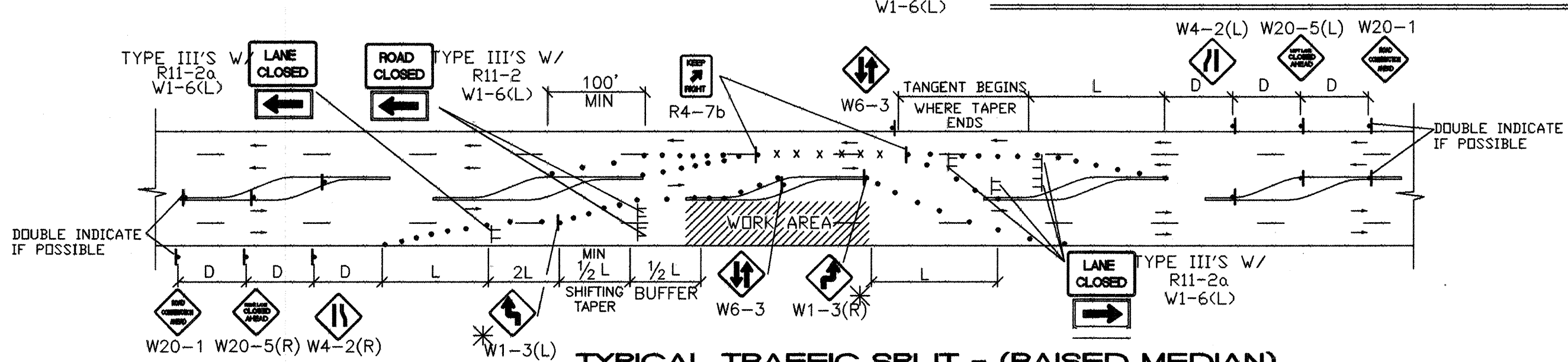
TYPICAL LEFT LANE CLOSURE



TYPICAL ONE DIRECTION DETOUR

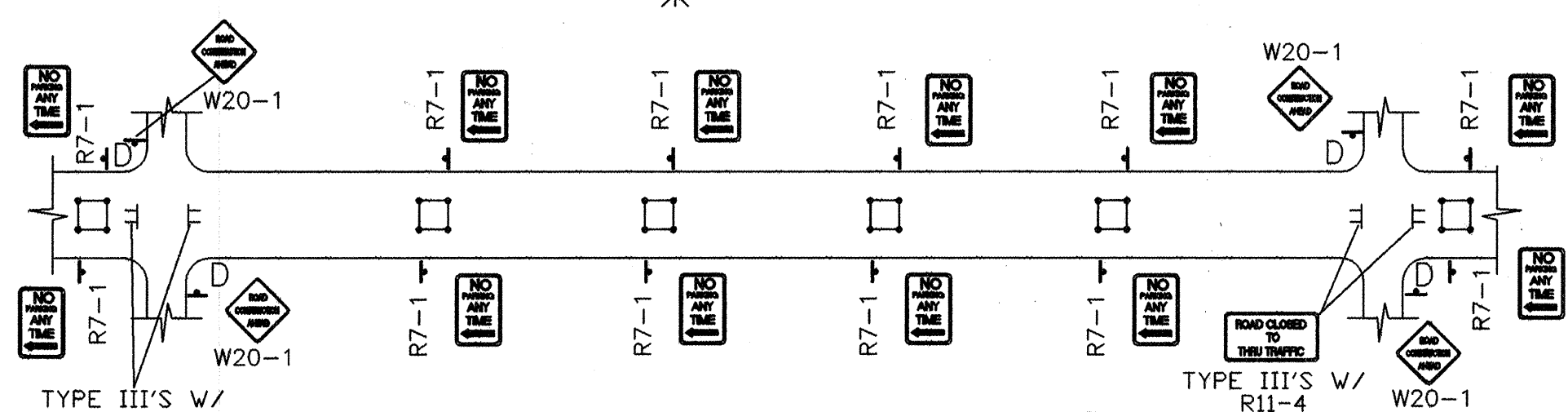


TYPICAL TRAFFIC SPLIT-(PAINTED MEDIAN)



TYPICAL TRAFFIC SPLIT - (RAISED MEDIAN)

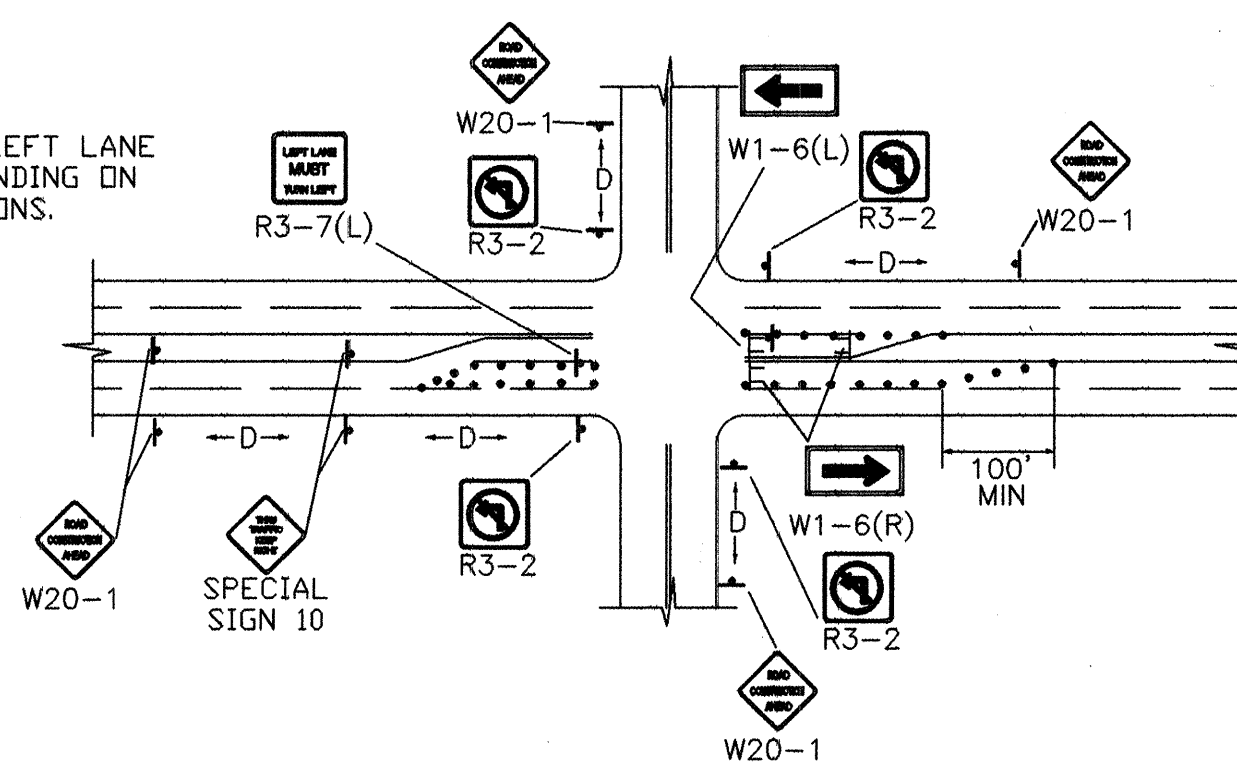
- TRAFFIC SPLIT NOTES:**
1. THE OFFSET DISTANCE SHALL BE CALCULATED IN ALL SHIFTING TAPERS. THE OFFSET DISTANCES SHALL INCLUDE LANE WIDTHS PLUS MEDIAN WIDTHS.
 2. 1/2 L IS THE MINIMUM DISTANCE FOR SHIFTING TAPERS.
 3. REVERSE CURVES MAY BE IMPLEMENTED. ALL CURVE DATA SHALL BE CALCULATED.
 4. MEDIAN REMOVAL SHALL BE REQUIRED IF 1/2 L OR REVERSE CURVE IS NOT SUFFICIENT. CURVE 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 SLIPLINING OPERATION

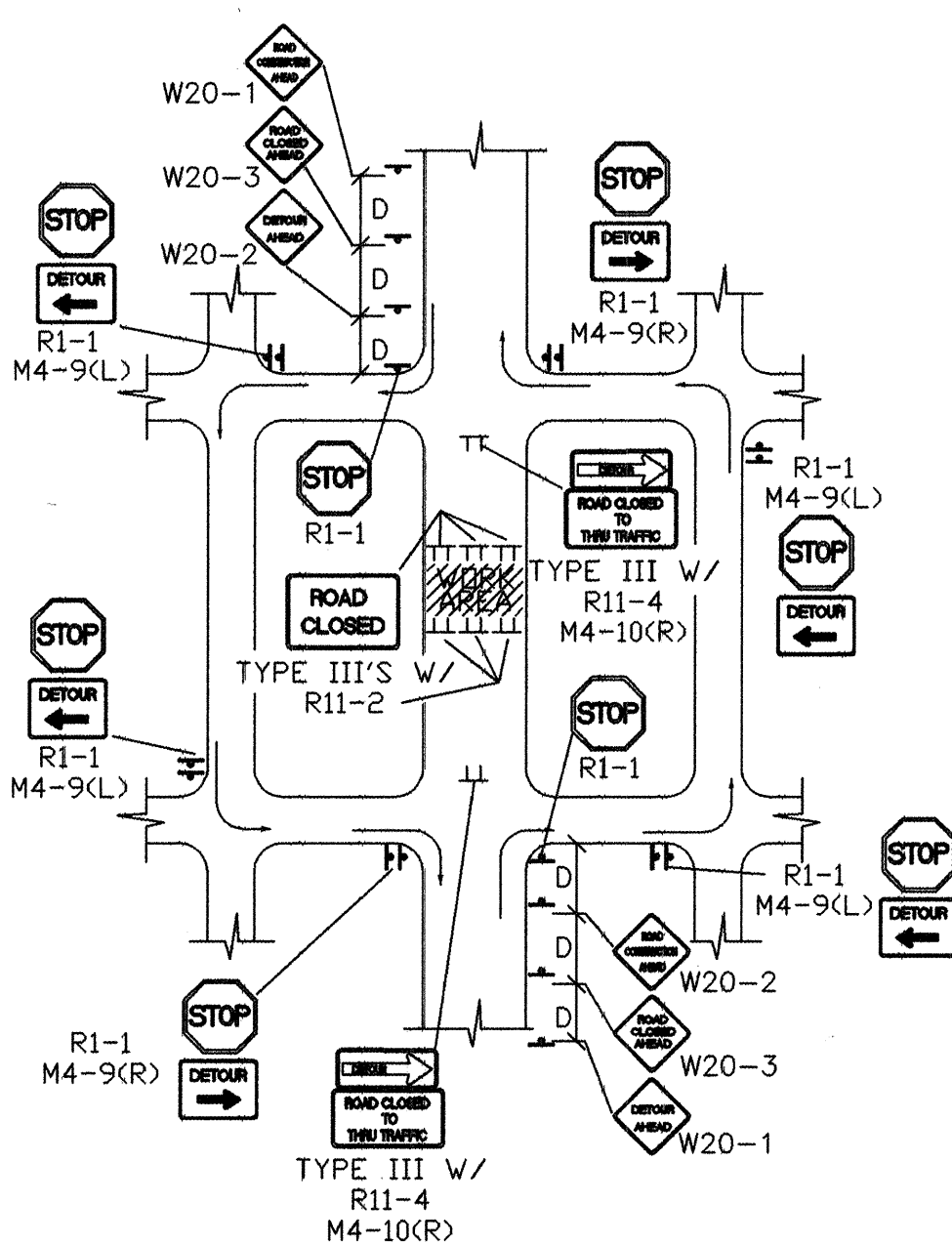
- ALL PITS TO HAVE TYPE-A FLASHING LIGHTS
- ALL PITS TO HAVE FLAGLINE

NOTE:
MAY REQUIRE LEFT LANE
CLOSURE DEPENDING ON
FIELD CONDITIONS.



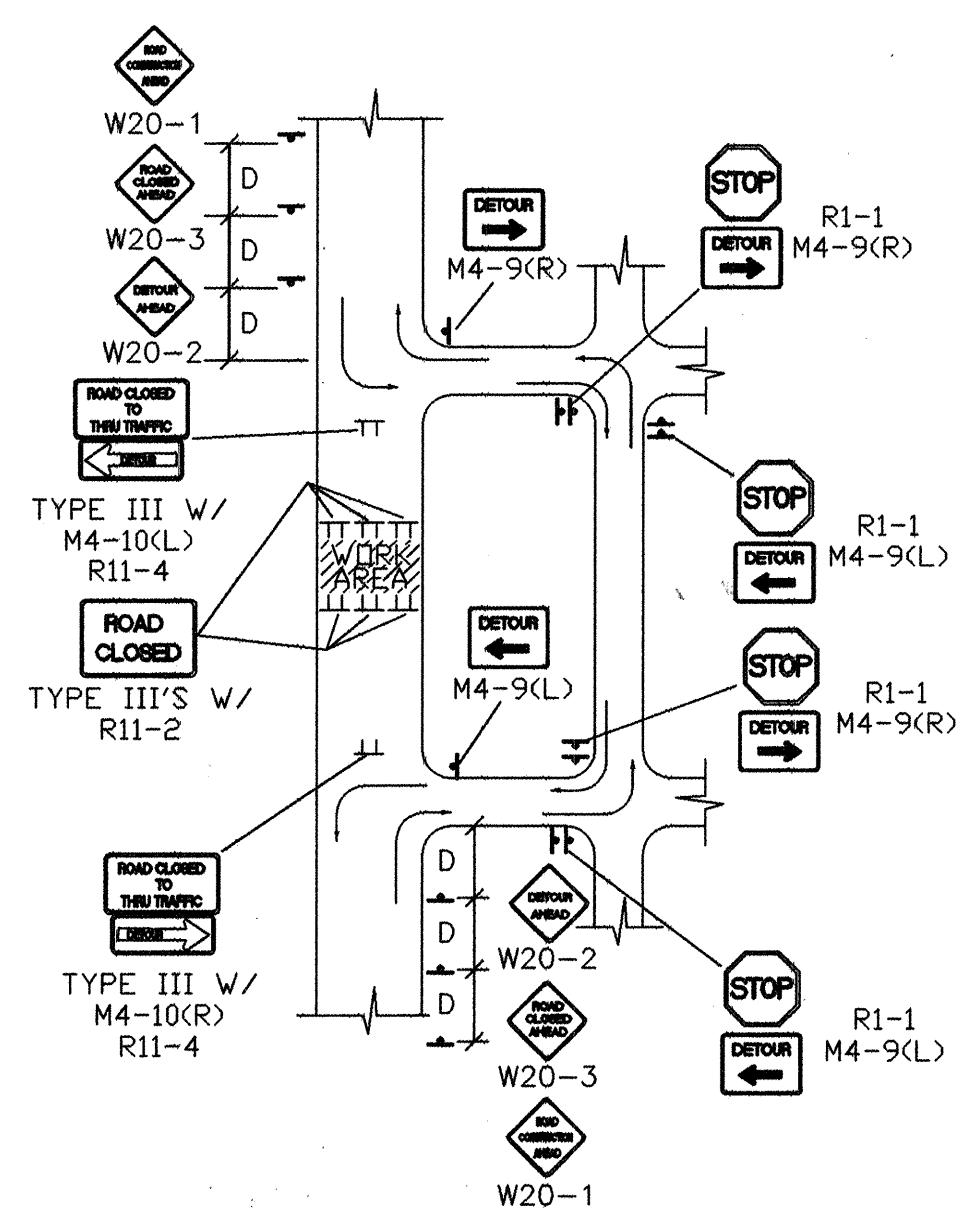
TYPICAL LANE CLOSURE AT INTERSECTION

NOTE: DEPENDING ON WORK ZONE LOCATION



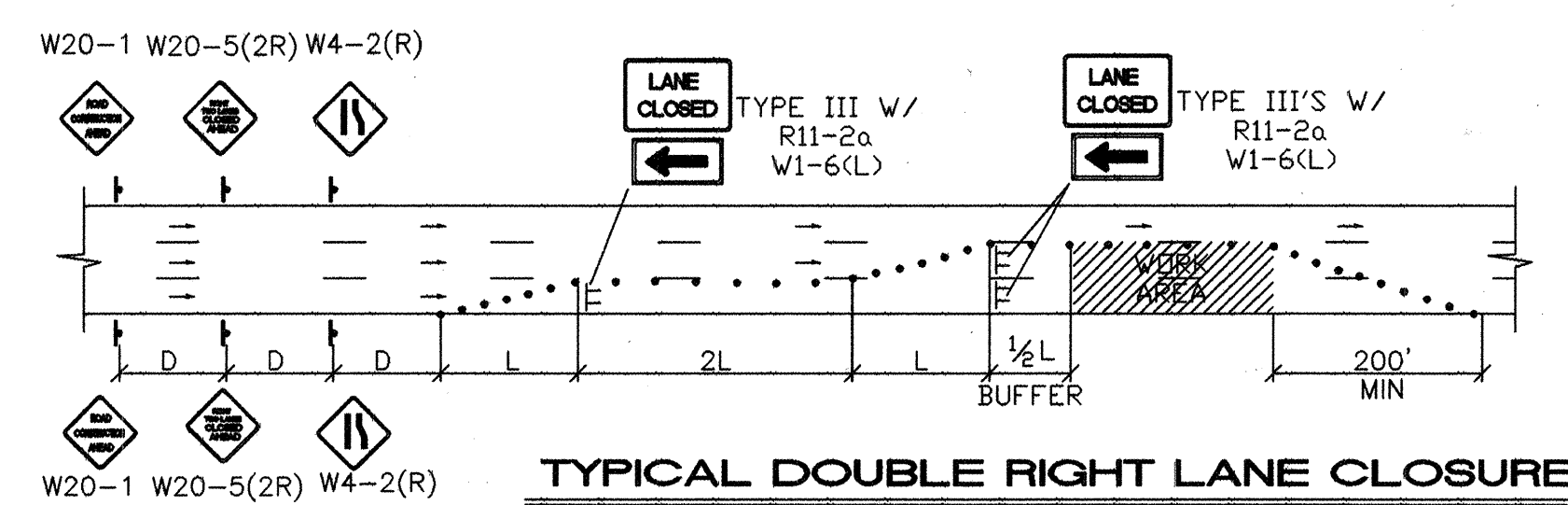
TYPICAL MID-BLOCK CLOSURE

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

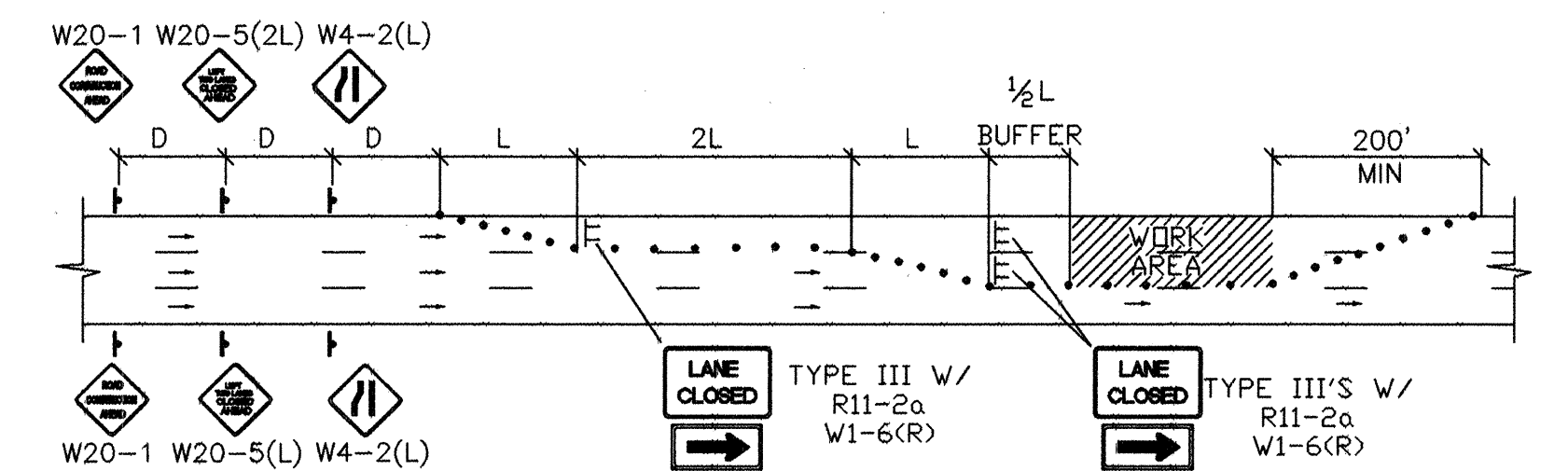


TYPICAL STREET CLOSURE

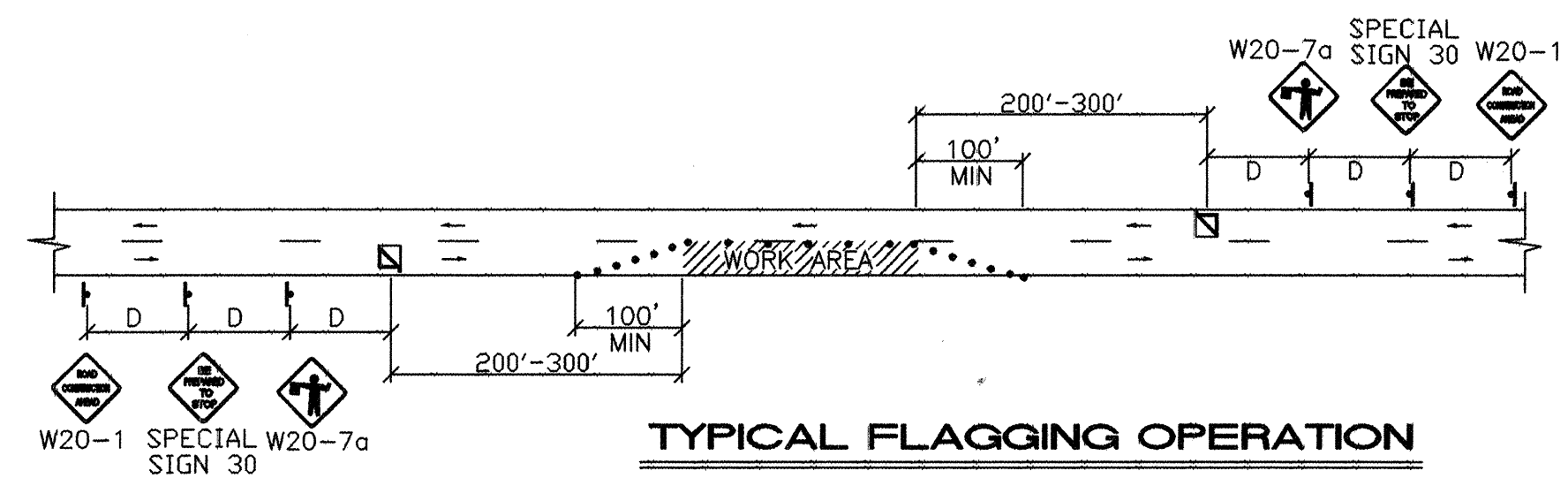
NOTE: (R1-1) BASED ON FIELD CONDITIONS.



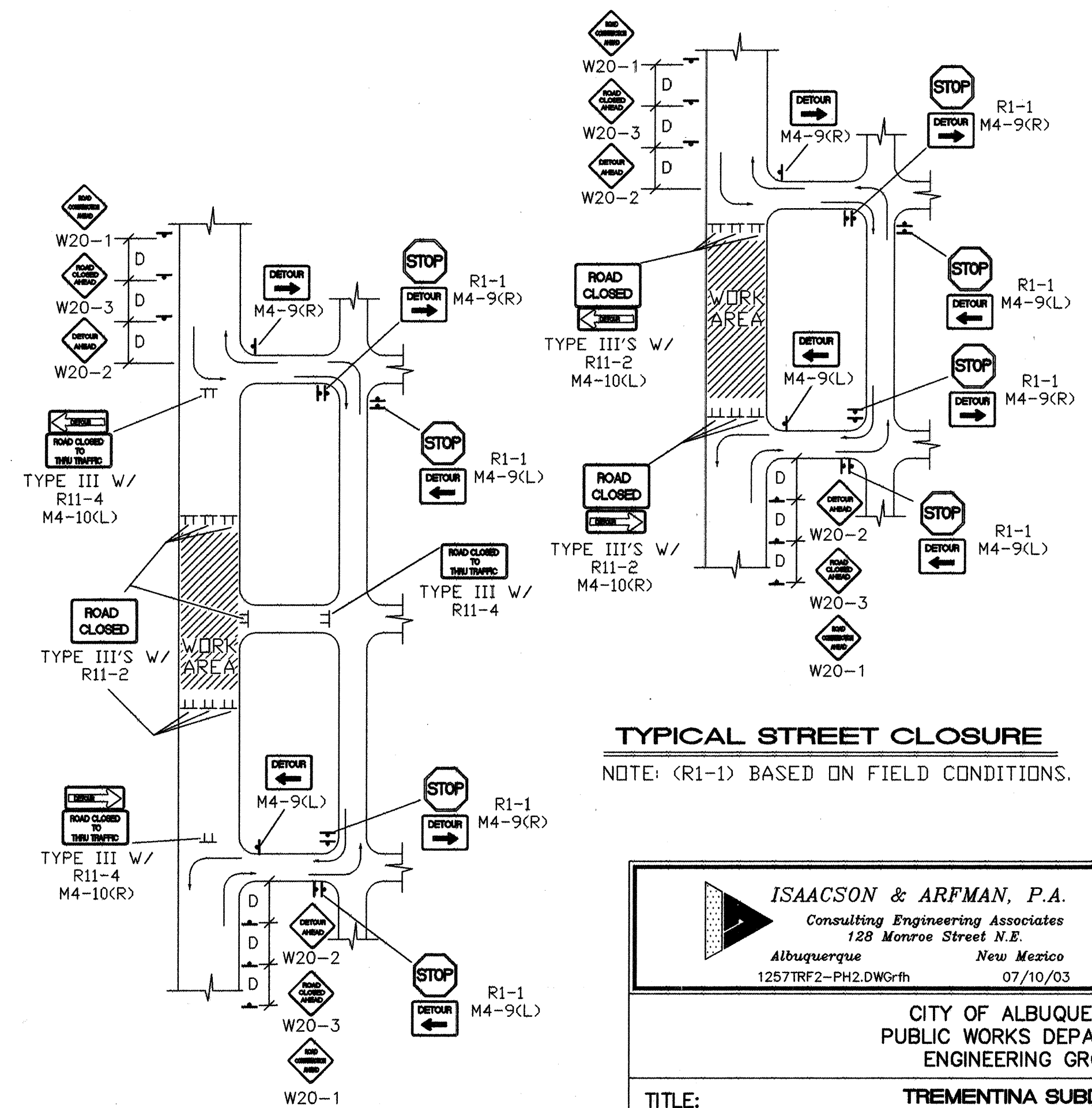
TYPICAL DOUBLE RIGHT LANE CLOSURE



TYPICAL DOUBLE LEFT LANE CLOSURE

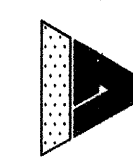


TYPICAL FLAGGING OPERATION



TYPICAL STREET CLOSURE

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



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128 Monroe Street N.E.
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1257TRF2-PH2.DWGrfh 07/10/03

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: TREMENTINA SUBDIVISION
TRAFFIC CONTROL
TRAFFIC CONTROL & SIGNING EXAMPLES

Design Review Committee	City Engineer Approval	Date
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		Last Design Update

City Project No.	702482	Zone Map No.	C-19	Sheet	31	Of	31
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CONTRACTOR	SALLS - BROTHER	DATE	DATE
WORK	BY 8144	DATE	DATE
INSPECTOR'S	BY SKY	DATE	DATE
FIELD	BY JAW	DATE	DATE
PERFECTED	BY WALCH	DATE	DATE
RECORDED	BY 8144	DATE	DATE
AS-BUILT	INFORMATION	DATE	DATE
AS-BUILT	INFORMATION	DATE	DATE

BEKCH MARKS
ANMSHC BRASS CAP "1"-25"-11" SET IN CONCRETE POST ON
N ON EAST SIDE OF FRONTAGE ROAD NEAR THE SW CORNER OF
THE CORONADO AIRFIELD
ELEVATION=5206.94' (NGVD 1929)

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