

CONSTRUCTION PLANS
FOR
LOS PUENTES SUBDIVISION
ALBUQUERQUE, NEW MEXICO



VICINITY MAP ZONE ATLAS L-11-2
SCALE: NONE

GENERAL NOTES

NOTICE TO CONTRACTORS

1. CITY OF ALBUQUERQUE SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS AMENDED THROUGH UPDATE B, WILL BE REFERRED TO HEREIN AS THE "STANDARD SPECIFICATIONS".
2. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (280-1980) AND DETERMINE LOCATION OF EXISTING UTILITIES.
3. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR THE SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITHOUT DELAY.
4. ALL EXISTING SIGNS, MARKERS, DELINEATORS, ETC., WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED, STORED AND RE-SET BY THE CONTRACTOR.
5. FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION CO-ORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION CO-ORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. SEE SECTION 19 OF THE SPECIFICATIONS.
6. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY CONTRACTOR IN EXISTING OR NEW LOCATION AS INDICATED BY THIS SET.
7. 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.
8. ANY WORK IN AN ARTERIAL ROADWAY REQUIRES 24 HOUR CONSTRUCTION.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

- ☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ☒ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- ☒ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
- ☒ SIDEWALK AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☐ IF CURB IS DEEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
- ☒ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.

APPROVAL OF AS-BUILT DRAWINGS
CIVIL CONSTRUCTION ENGINEER
[Signature]
DATE 2-20-00

INDEX TO DRAWINGS

SHEET NO.	SHEET
1	TITLE SHEET
2	PLAT
3	PLAT
4	GRADING AND DRAINAGE PLAN
5	PAVING COMPOSITE
6	PEREZ ROAD PAVING PROFILE
7	LOS PUENTES DRIVE PAVING PROFILE
8	MASTER UTILITY PLAN
9	PEREZ ROAD UTILITY PROFILE
10	LOS PUENTES DRIVE UTILITY PROFILE
11-12	TRAFFIC CONTROL

SURVEYOR'S CERTIFICATION

"I, Timothy Aldrich, 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 and 'as-built' surveys performed by me or under my supervision, that the 'as-built' information shown on these drawings was added by me or under my supervision, and that this 'as-built' information is true and correct to the best of my knowledge and belief." Aldrich Land Surveying is not responsible for any of the design concepts, calculations, measurements or input of the record drawings.



[Signature] 02-16-00 Date

SC5-97-18
DRB CASE NO. 98-88

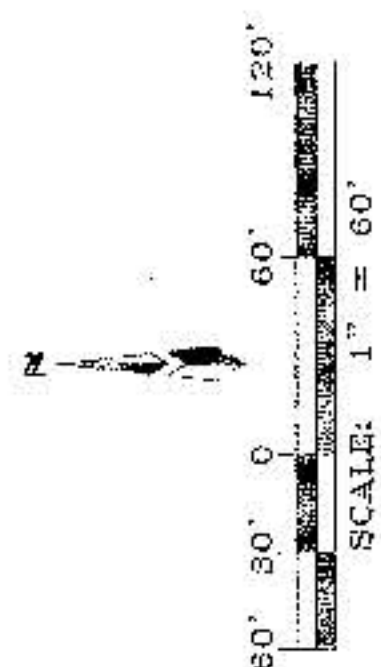
CAUTION:
NOTE THAT ALL EXISTING UTILITIES MAY NOT BE SHOWN. ALL EXISTING SERVICE CONNECTIONS ARE NOT SHOWN. ANY EXISTING UTILITIES THAT ARE SHOWN ARE APPROXIMATE LOCATION ONLY. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL THE UTILITY OWNERS AND TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATIONS TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS.

dmg
D. MARK GOGGIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P. O. BOX 90806
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200

REV.	SHEETS	CITY ENGINEER	DATE	USER	DEPARTMENT	DATE	USER	DEPARTMENT	DATE	
ENGINEERS STAMP & SIGNATURE			APPROVALS	ENGINEER		DATE	*****			
 <i>James D. Hoffman</i> 3-2-98			DRG CHAIRMAN	<i>Bellack, Anthony</i>		3-1-99	APPROVED FOR CONSTRUCTION			
			TRANSPORTATION	N/A		RKD	2-23-99	<i>Paul Origen</i> 9/13/99		
			WATER/WASTE WATER	R.W. Kame		2-23-99				
			HYDROLOGY	N/A		3-1-99				
			GP							
			CONSTR. MGMT.						CITY ENGINEER	DATE
BERNALILLO CO.			<i>RD Kame</i>		2/6/99					
CITY PROJECT NO.			5893.81			SHEET OF				
						1 12				

PLAT OF

within the



**LOS PUENTES
SUBDIVISION**



D. MARK GOODWIN & ASSOCIATES, P.A.
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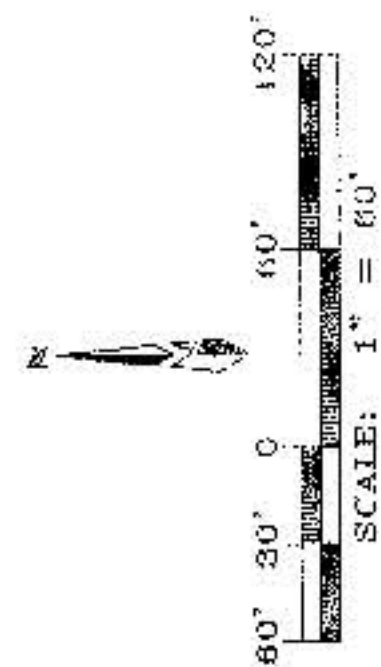
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Scale: 1"=60'	Date: 4-20-98	Job: 96027	

FLAT OF

within the

CURVE DATA				
NO.	RADIUS	DELTA	LENGTH	CHORD BEARING & DISTANCE
1	26.00'	98.94.00"	48.2'	N 53.20.12" E 42.48'
2	25.00'	90.00.00"	39.27'	N 59.30.00" E 35.56'
3	11.50'	69.00.00"	13.65'	N 59.30.00" E 13.03'
4	25.00'	90.00.00"	29.27'	N 49.20.00" E 26.36'
5	75.00'	66.30.00"	86.39'	N 53.20.00" W 81.70'
6	11.50'	45.00.00"	9.03'	N 18.30.00" W 8.80'
7	11.50'	45.00.00"	9.03'	N 63.30.00" W 8.80'

Δ CENTERLINE MONUMENTATION
 (centered in foot of 4" x 8" monumentation)
 to be marked at all centerline P.C.s, S.P.s,
 curve points, and street intersections.
 (4") aluminum survey pipe, 10' long,
 with 1/2" galvanized steel cap and base.
 CITY OF ALBUQUERQUE
 CENTERLINE MONUMENT
 INC NOT DISBURS
 PLS #772



**LOS PUENTES
SUBDIVISION**

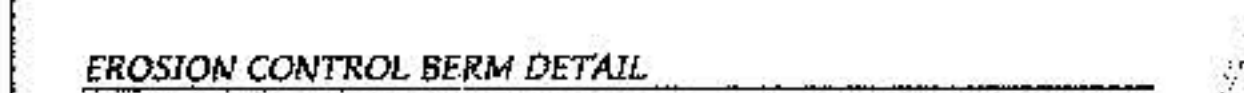
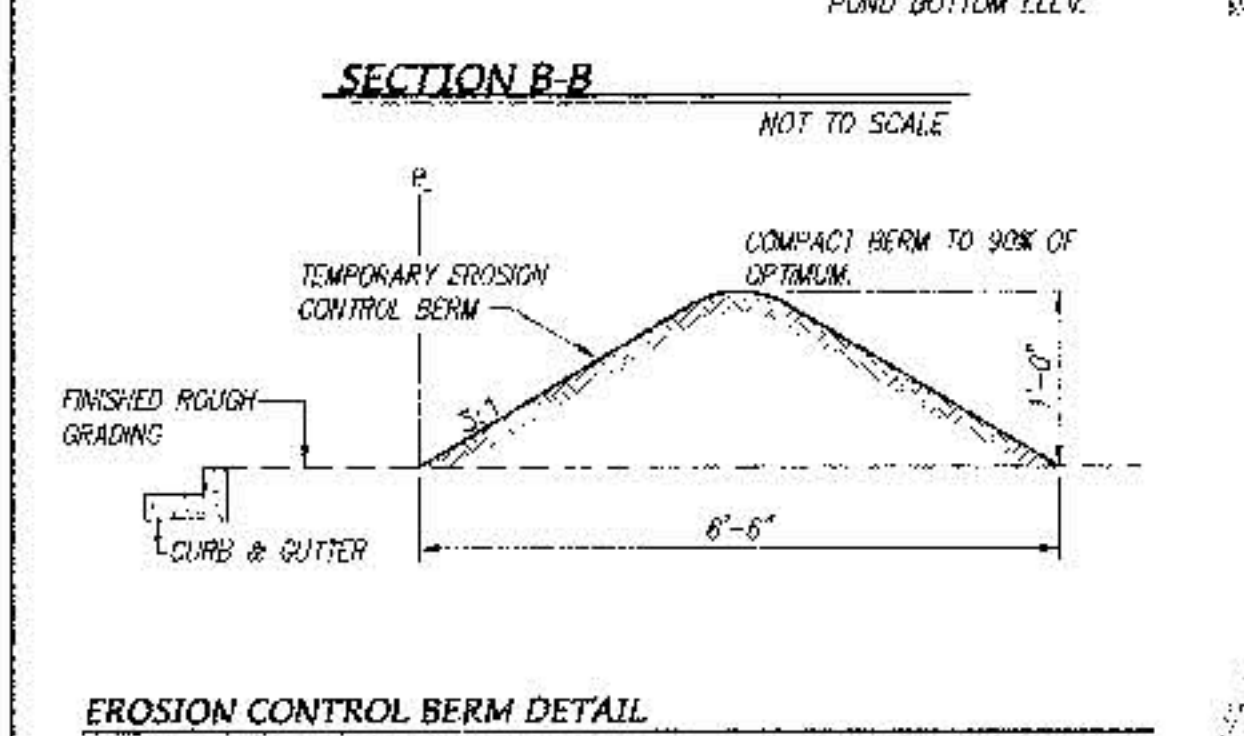
dmg
D. MARK GOODWIN & ASSOCIATES, P.A.
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P.O. BOX 90605
ALEBUQUEQUE, NEW MEXICO 87199

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602-1174					4	4	4

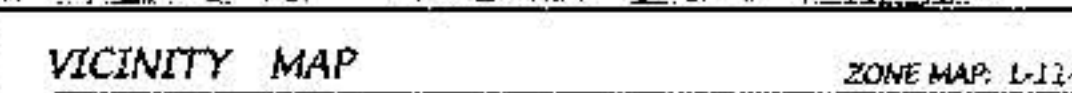
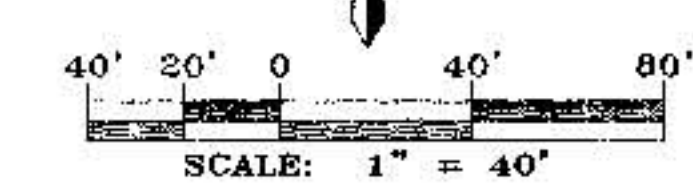
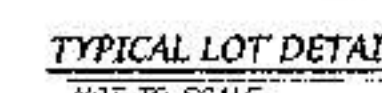


5893.81

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1. CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE ENVIRONMENTAL HEALTH DIVISION PRIOR TO CONSTRUCTION.
2. NEW MEXICO STATE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION SHALL GOVERN ALL WORK.
3. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL DUST CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS AND APPROVALS.
4. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE LOTS INTO PUBLIC RIGHT-OF-WAY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMES AS PER DTL. THIS SHIT AND WETTING THE SOIL TO KEEP IT FROM BLOWING. CONTRACTOR IS RESPONSIBLE FOR CLEANING UP ANY SEDIMENT THAT GETS INTO EXISTING RIGHT OF WAY.
5. THE EARTHWORK CONTRACTOR SHALL STOCKPILE ENOUGH MATERIAL ADJACENT TO RETAINING WALL LOCATIONS TO BE UTILIZED FOR WALL BACKFILL.
6. ON FEBRUARY 15, 1998, JAMES D. HUGHES, P.E., CONDUCTED AN ON-SITE FIELD INSPECTION OF THE SITE TO CONFIRM THAT NO ON-SITE GRADING HAS OCCURRED SINCE CREATION OF THE TOPOGRAPHIC INFORMATION SHOWN HEREON. EXCEPT THAT THE SITE HAD BEEN CLEARED AND GRUBBED, LEAVING 2 DEBRIS PILES IN THE MIDDLE OF THE SITE TO BE HAULED OFF AS PART OF THIS PROJECT.
7. TOPOGRAPHY PROVIDED BY ALDRICH LAND SURVEYING, TAPAHUARY 1996.
8. ALL PADS ARE TO BE OVER EXCAVATED TWO FEET AND RECOMPACTED TO 95% DENSITY, IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE "ISOTOPECHEMICAL INVESTIGATION, TRACTS A1 THROUGH E1, SAGEO GREGSO SUBDIVISION" PREPARED BY UNIVERSAL & ASSOC., INC. JULY 31, 1995. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A COPY OF THE REPORT AND FOLLOWING ALL OF ITS RECOMMENDATIONS. ADDITIONALLY THERE IS TO BE A 4% SLOPE (MIN) FOR THE FIRST 10' SLOPING AWAY FROM EACH PAD.



TBM (TEMPORARY BENCHMARK)

ACS BENCHMARK

LEGAL DESCRIPTION

TRACTS A, B, C, D, AND E SANDIE GRIEGO SUBDIVISION.

PROPOSED RETAINING FLOOD WALL
EXISTING CONTOUR (MIN.)
EXISTING TOP OF CURB
EXISTING FLOOR
EXISTING SPOT ELEVATION
EXISTING CURB AND GUT
EXISTING CONCRETE SIDEWALK
EXISTING CHAIN LINK FENCE
EXISTING SANITARY SEWER MANHOLE
EXISTING WATER VALVE
EXISTING FIRE HYDRANT
EXISTING OVERHEAD ELECTRIC LINE
EXISTING STORM SEWER MANHOLE
EXISTING DROP IN


 PROPOSED SPOT ELEVATION

 FLOW DIRECTION

 FINISHED PAD ELEVATION

 PONDING AREA EMBANKMENT (X:1 MAX SLOPE)

 SUPER-ELEVATED STREET SECTION

 24" CONCRETE SIDEWALK CULVERT
 (PER CITY STD. DWS. 22)

 NEW SIDEWALK

 WATER BLOCK

 STANDARD CURB & GUTTER

 ROLL CURB & GUTTER

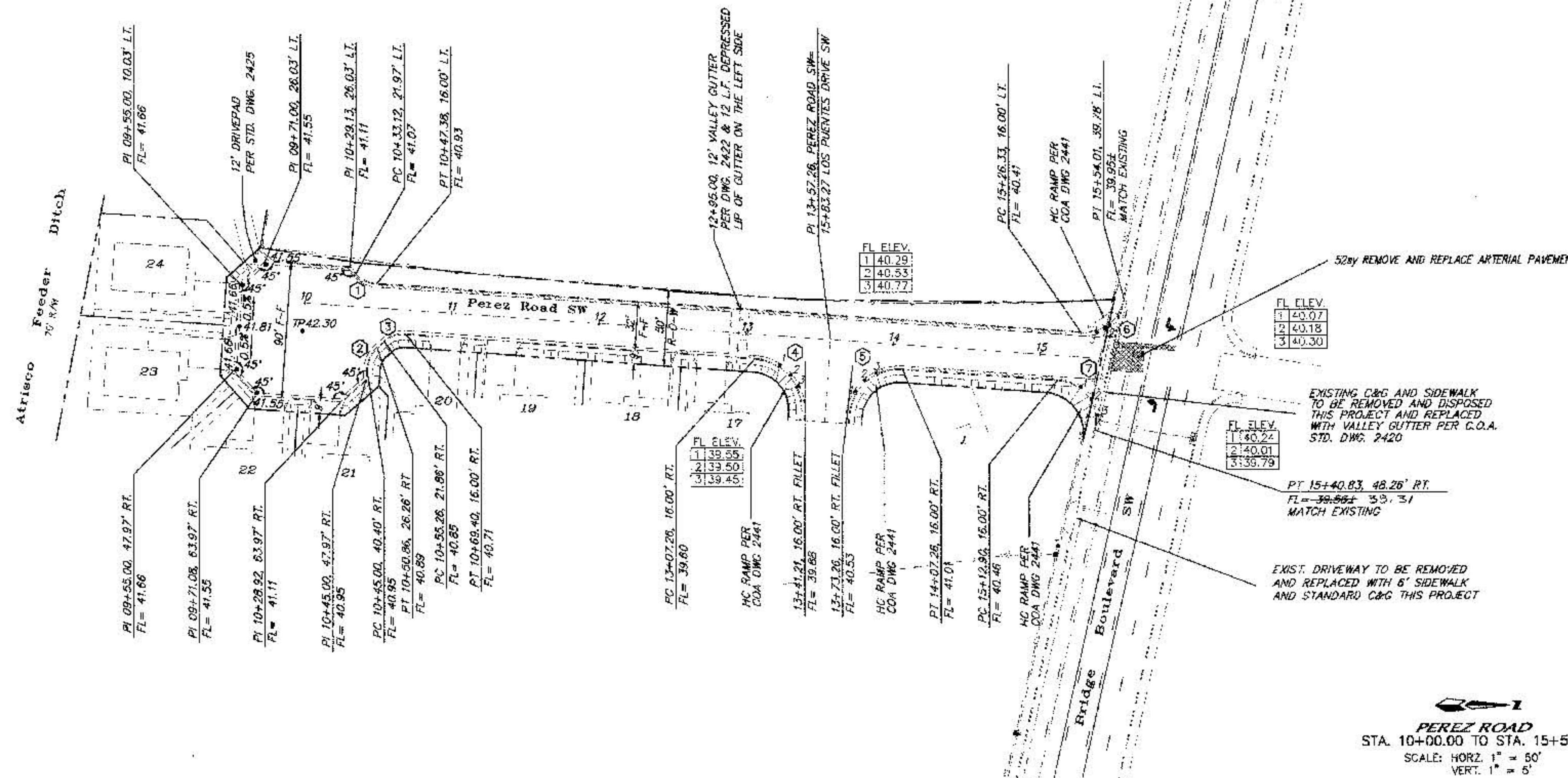
APPROVED FOR ROUGH GRADING $\pm$ DATE

LOS PUENTES
CONCEPTUAL GRADING & DRAINAGE PLAN

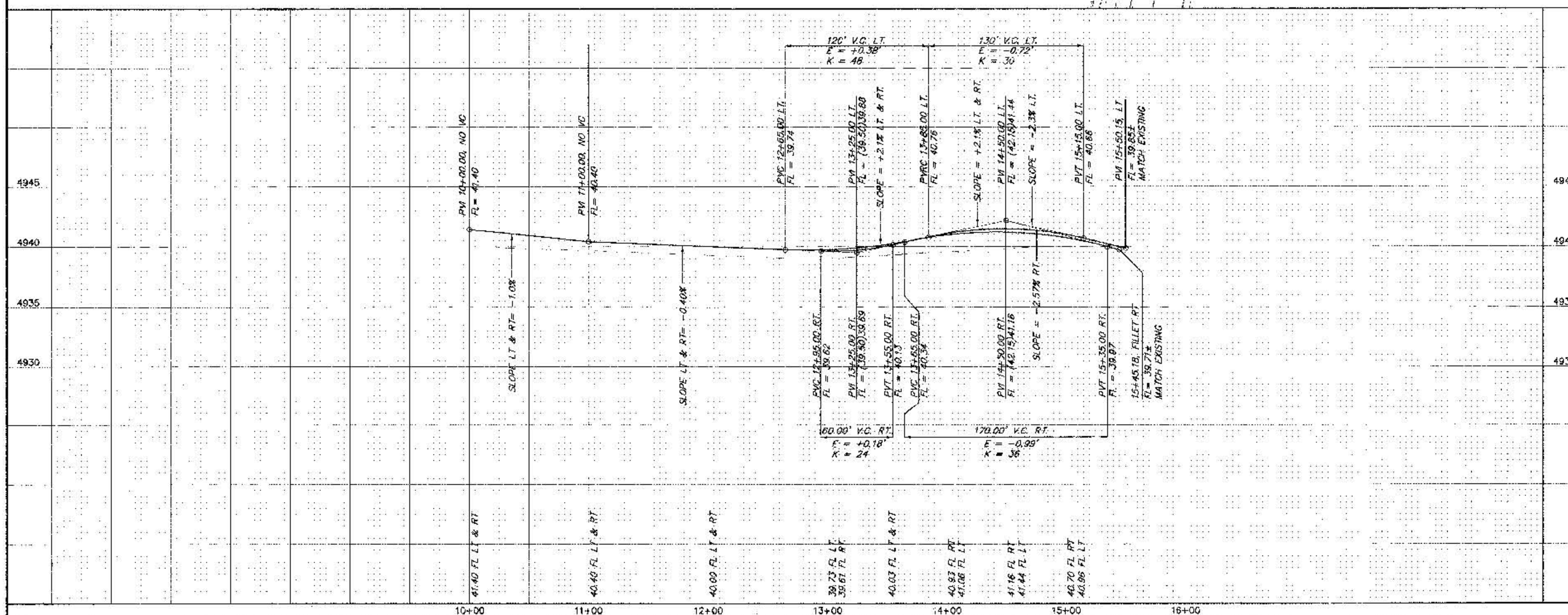
dmg D. MARK GOODWIN & ASSOCIATES, P.A.
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ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200

Designed: JDH	Drawn: FSM	Checked: DMG	Sheet 4 of 7
Scale: 1"=40'	Date: 12/98	Job: 96027	

6027PUEN\6027GD40.dwg\12-10-98



Perez Road
STA. 10+00.00 TO STA. 15+54.01
SCALE: HORIZ. 1" = 50'
VERT. 1" = 5'



NOTES

PROPERTY LINE
NEW ROLL CURB & GUTTER
NEW STANDARD CURB & GUTTER
EXISTING CURB & GUTTER
DEFERRED SIDEWALK (NOT PART OF THIS PROJECT)
EXISTING CHAINLINK FENCE
EXISTING DROP INLET

LEGEND

1 40.29
2 40.53
3 40.77

1 40.07
2 40.18
3 40.30

1 40.22
2 40.01
3 39.79

1 40.29
2 40.53
3 40.77

CURVE DATA - DESCRIBES FACE OF CURB

① Δ = 45°27'51" R = 20.00' L = 15.87' T = 8.38'	② Δ = 45°00'21" R = 20.00' L = 15.71' T = 8.29'	③ Δ = 45°00'21" R = 20.00' L = 15.71' T = 8.29'
④ Δ = 90°00'18" R = 34.00' L = 53.41' T = 34.00'	⑤ Δ = 90°00'18" R = 34.00' L = 53.41' T = 34.00'	⑥ Δ = 81°19'09" R = 28.00' L = 39.74' T = 24.05'
⑦ Δ = 98°40'17" R = 28.00' L = 48.22' T = 32.59'		

ENGINEER'S SEAL

12-15-98

REVISIONS

NO.	DATE	REVISIONS	BY
1	12/98 <td>DESIGN</td> <td>DMG </td>	DESIGN	DMG
2	12/98 <td>STAFF</td> <td>DMG </td>	STAFF	DMG

CITY OF ALBUQUERQUE

PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

LOS PUENTES
PAVING PROFILE - PEREZ ROAD

DESIGN REVIEW COMMITTEE

NO.	DATE	REVISIONS	BY
1	12/98 <td>DESIGN</td> <td>DMG </td>	DESIGN	DMG
2	12/98 <td>STAFF</td> <td>DMG </td>	STAFF	DMG

CITY PROJECT NO.

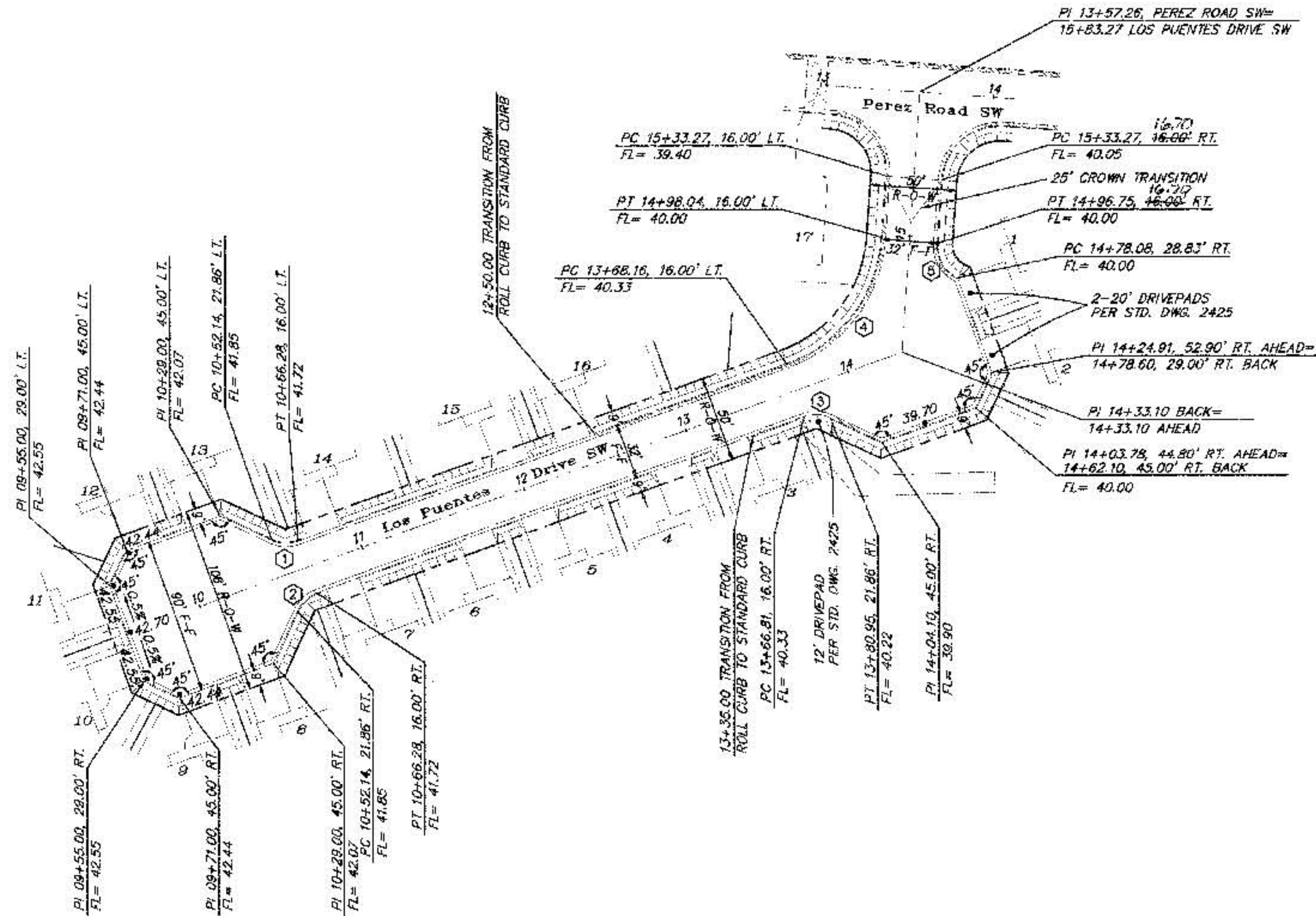
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ZONE MAP NO.

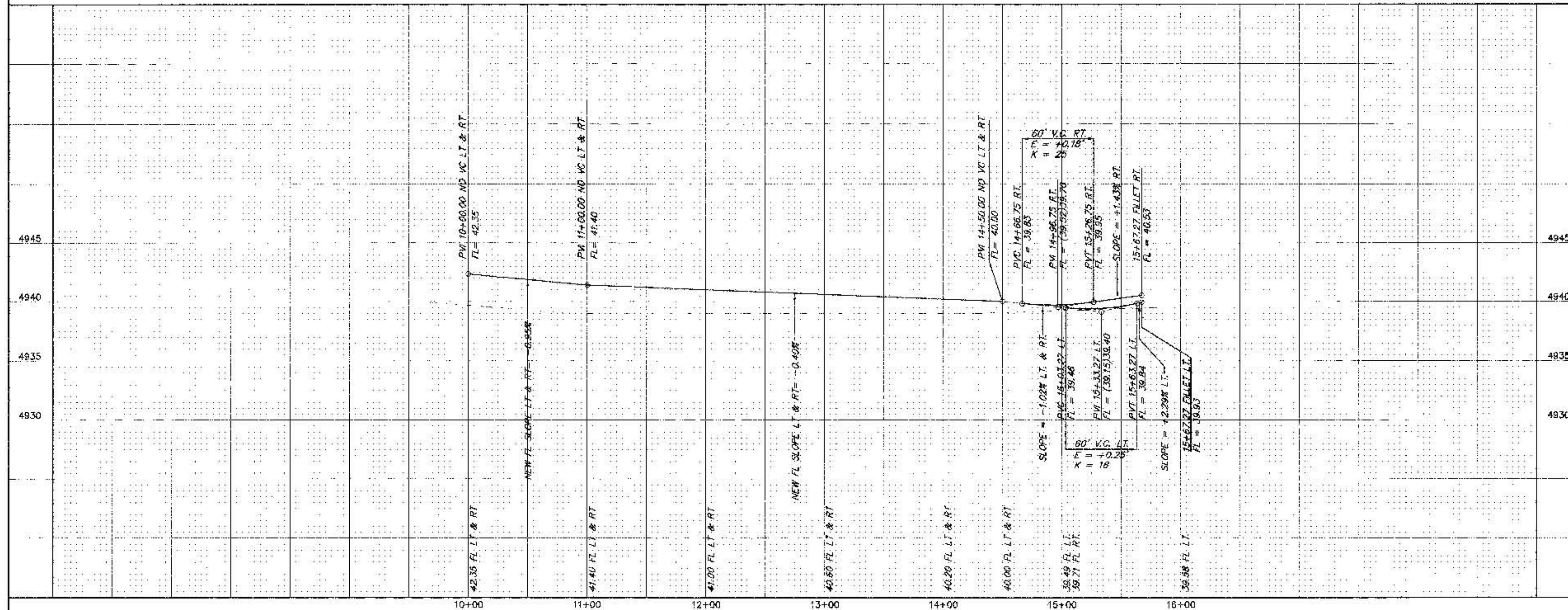
L-11-Z

SHEET

6 OF 12



LOS PUENTES DRIVE
STA. 09+55.00 TO STA. 15+83.27
SCALE: HORIZ. 1" = 50'
VERT. 1" = 5'



NOTES

LEGEND

- PROPERTY LINE
- NEW ROLL CURB & GUTTER
- NEW STANDARD CURB & GUTTER
- EXISTING CURB & GUTTER
- DEFERRED SIDEWALK (NOT PART OF THIS PROJECT)
- EXISTING CHAINLINK FENCE
- EXISTING DROP INLET

CURVE DATA - DESCRIBES FACE OF CURB

- | Curve | Δ | R | L | T |
|-------|-----------|--------|--------|--------|
| 1 | 45°00'21" | 20.00' | 15.71' | 8.29' |
| 2 | 45°00'21" | 20.00' | 15.71' | 8.29' |
| 3 | 45°00'21" | 20.00' | 15.71' | 8.29' |
| 4 | 65°59'57" | 84.00' | 96.76' | 54.55' |
| 5 | 69°00'46" | 20.00' | 24.09' | 13.75' |

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

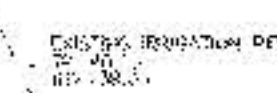
LOS PUENTES
PAVING PROFILE - LOS PUENTES DRIVE

DESIGN REVIEW COMMITTEE
APPROVED
DATE: 12/15/98
BY: [Signature]

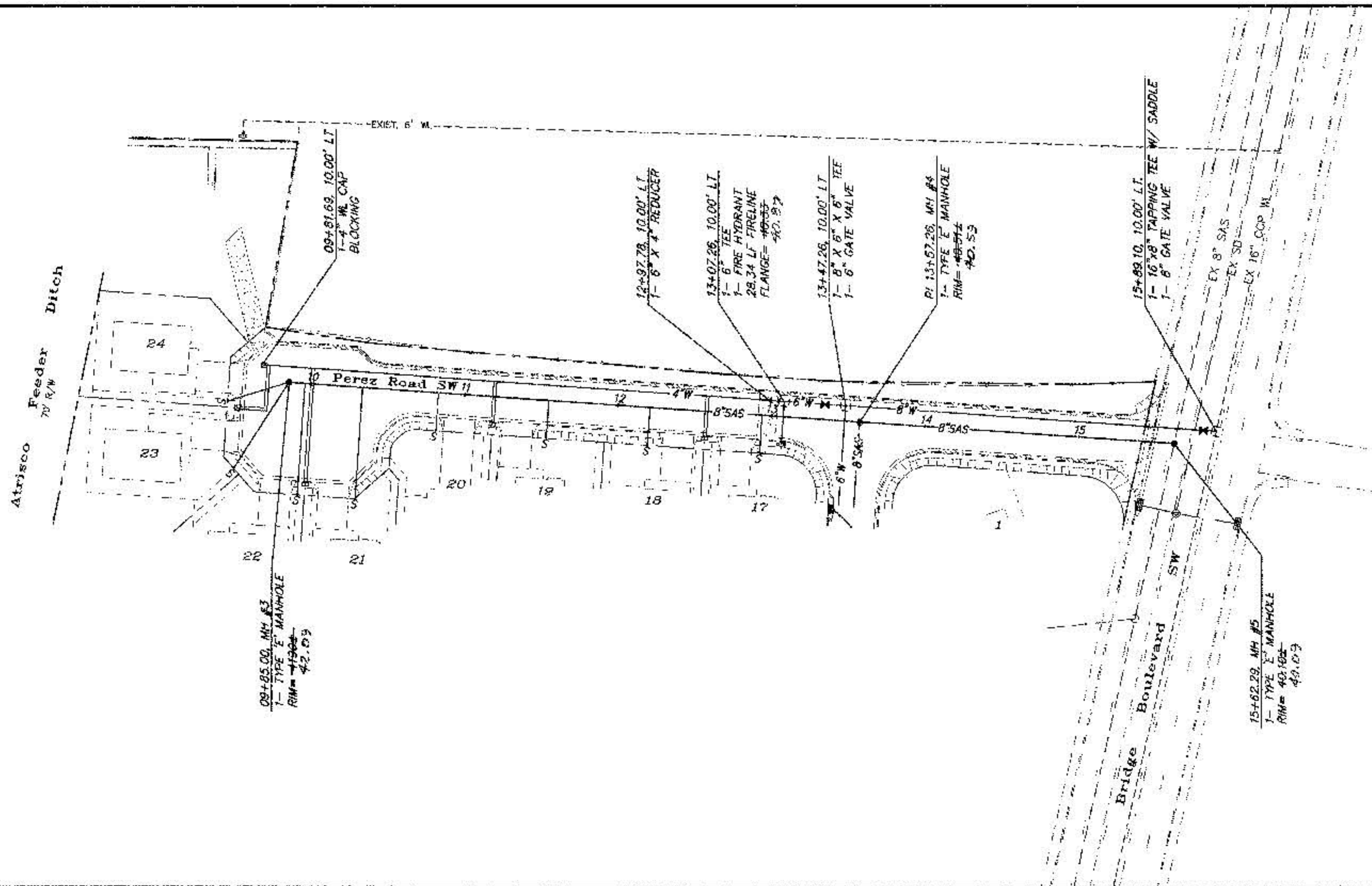
APPROVED
DATE: 12/15/98
BY: [Signature]

NO. / DAY / YR. MO. / DAY / YR.
DESIGNED BY: JDM DATE: 12/15/98
DRAWN BY: STAFF DATE: 12/15/98
CHECKED BY: DMG

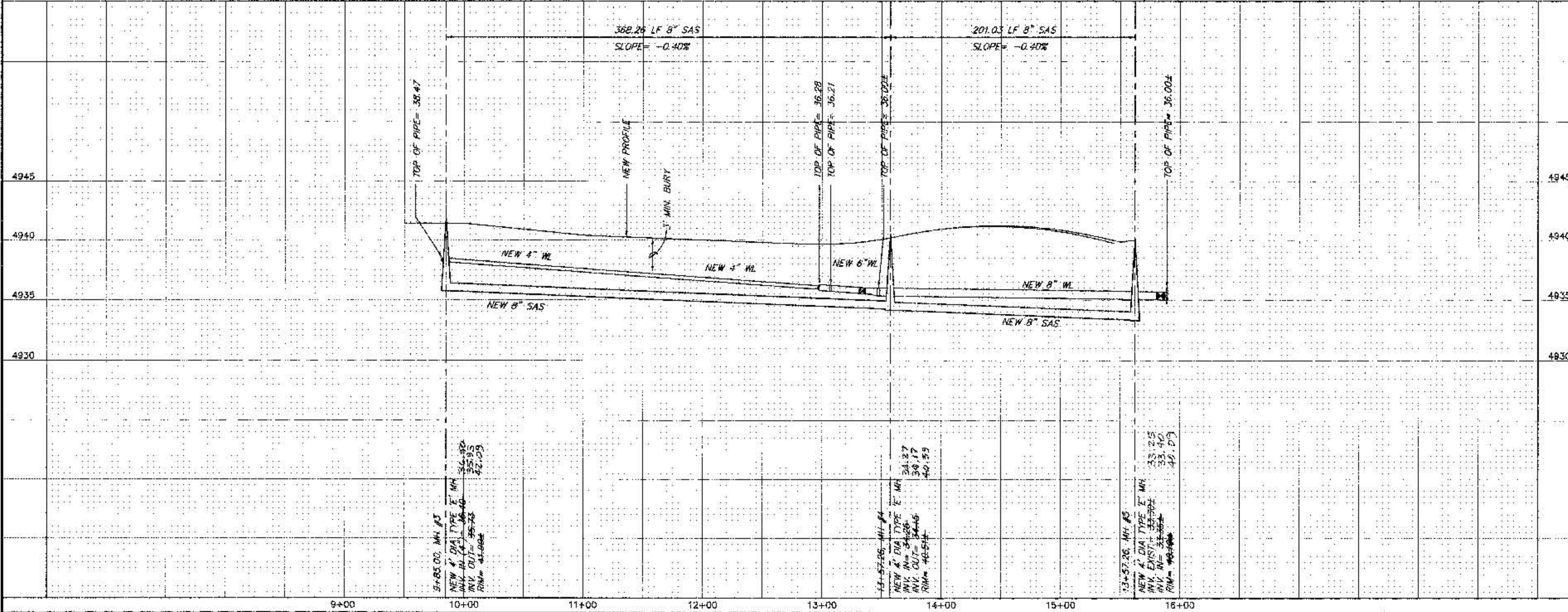
CITY PROJECT NO. 5893.81 ZONE MAP NO. L-11-Z SHEET 7 OF 12



[illegible]



PEREZ ROAD
STA. 10+00.00 TO STA. 21+00.00
SCALE: HORIZ. 1" = 50'
VERT. 1" = 5'



NOTES

LEGEND

- NEW STANDARD CURB & GUTTER
- NEW MOUNTABLE CURB & GUTTER
- NEW 6" WATERLINE
- NEW FIRE HYDRANT
- NEW GATE VALVE
- NEW WATERLINE TEE
- NEW WATERLINE BEND
- NEW DOUBLE WATER SERVICE
- NEW SINGLE WATER SERVICE
- NEW 8" SANITARY SEWER
- NEW SANITARY SEWER MANHOLE
- NEW SANITARY SEWER SERVICE

SANITARY SEWER SERVICES
TIERRA DE LA LUNA DRIVE SW

LOT	STA.	INV. ELEV. @ PL.	LENGTH @ PL.	INV. ELEV. @ M.H.
BLK 1				
17	12+93	35.68	25'	N/A
18	12+20	35.96	25'	N/A
19	11+33	36.24	25'	N/A
20	10+83	36.52	25'	N/A
21	10+33	37.86	73'	N/A
22	09+95	37.84	73'	N/A
23	09+53	37.40	67'	36.40
24	09+46	37.20	42'	36.40

RESTRAINED JOINT LENGTH FOR BENDS,
VALVES, DEAD ENDS (FT.)

PIPE SIZE	90°	45°	22.5°	11.25°	VALVE
6"	17'	7'	-	-	46'
8"	22'	9'	4'	2'	60'

LENGTH OF RESTRAINED PIPE ON EACH SIDE OF THE BEND, RESTRAIN BRANCH AT FITTING ONLY. MINIMUM ATTACHED PIPE LENGTH, RUN SIDE OF TEE: 10.00 FEET.

RESTRAINED JOINT LENGTHS FOR REDUCERS (FT.)

PIPE SIZE	LARGE SIDE	SMALL SIDE
8" X 6"	25'	or 33'

RESTRAINED JOINT LENGTH FOR TEES (FT.)

PIPE SIZE	RUN	BRANCH
8" X 8" X 8"	13'	3'

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
TITLE: LOS PUENTES
UTILITY PROFILE - PEREZ ROAD

APPROVED
NVR - 1 1999
DESIGN REVIEW COMMITTEE

APPROVED
SEP 13 1999
CITY ENGINEER

MO. DAY/YR
NO. DAY/YR

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. THE TRAFFIC CONTROL PLAN SHALL INCLUDE ALL PHASES OF WORK AND SCHEDULES INVOLVED IN THE CONSTRUCTION PROJECT. ANY SEPARATE PHASES OF A CONSTRUCTION PROJECT SHALL BE GIVEN AN INDIVIDUAL PERMIT EACH. "BLANKET" PERMITS WILL NOT BE ISSUED.
- 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 TRAVELLED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELLING 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 6 INCH, WHITE, OPAQUE LETTERING ON BLUE REFLLECTORIZED BACKGROUND. ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BD 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 REDUCED INTENSITY REQUIREMENTS SET FORTH BY THE CITY OF ALBUQUERQUE. CONSTRUCTION COORDINATION SHALL REVIEW ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.
- 48 HOURS PRIOR TO COMMENCING OR RESUMING OF A STATE-OF-WAY, CONTRACTOR SHALL NOTIFY POLICE 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.

21. EXCAVATIONS SHALL BE PATCHED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 1" 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.

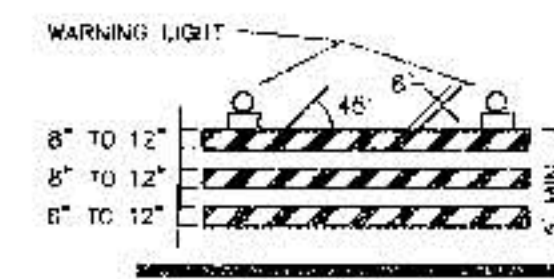
23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-OR-FINE CONDITION. WASHING OF EQUIPMENT IS INCIDENTAL TO ITS PLACEMENT AND MAINTENANCE.

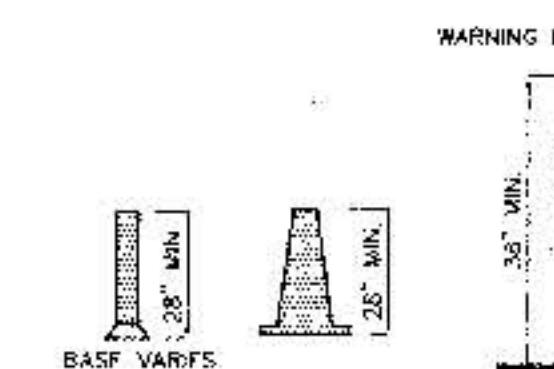
25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

26. ADVANCE WARNING SIGNS SHALL BE 36"x36" 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 MUTCD. 

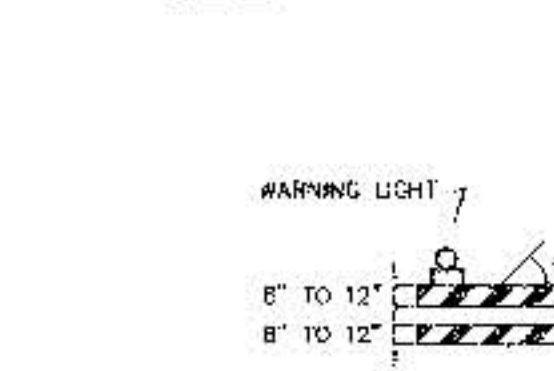
27. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORKSITE. ALL GRAFFITI SHALL BE PROMPTLY REMOVED FROM ALL EQUIPMENT, BOTH PERMANENT AND TEMPORARY. 



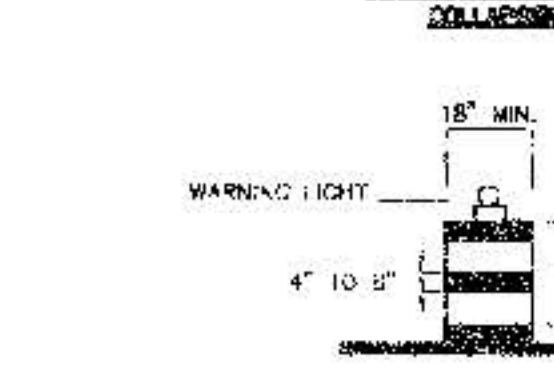
TYPE II BARRICADE



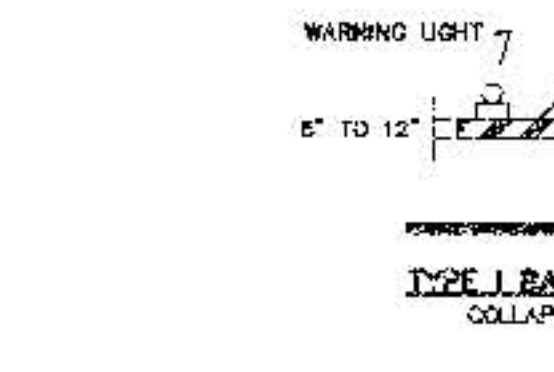
TYPE I BARRICADE



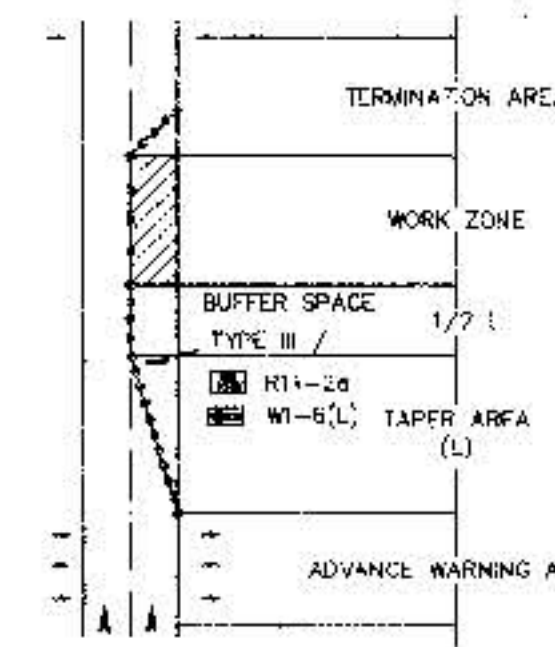
TYPE III BARRICADE



TYPE IV BARRICADE



TYPE V BARRICADE



TRAFFIC CONTROL ELEMENTS

LEGEND

- WORK AREA
- BARRICADE - TYPE I, TYPE II, OR BARREL
- BARRICADE - TYPE II
- 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 REQUIREMENTS

SPEED LIMIT (MPH)	TAPER LENGTH (L) (FEET)			MINIMUM NUMBER OF DEVICES FOR TAPER	MAXIMUM DEVICE SPACING IN FEET	
	10' LANE	11' LANE	12' LANE		ALONG TAPER	AFTER TAPER
20	70	75	80	5	20	20
25	105	115	125	6	25	25
30	150	165	180	7	30	30
35	205	225	245	8	35	35
40	270	295	320	9	40	40
45	350	395	440	10	45	45
50	450	505	560	12	50	50
55	550	605	660	13	55	55

RECOMMENDED SIGN SPACING (D) FOR ADVANCE WARNING SIGN SERIES

SPEED LIMIT (MPH)	MINIMUM DISTANCE IN FEET BETWEEN SIGNS		FROM LAST SIGN TO TAPER
	10' LANE	11' LANE	
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

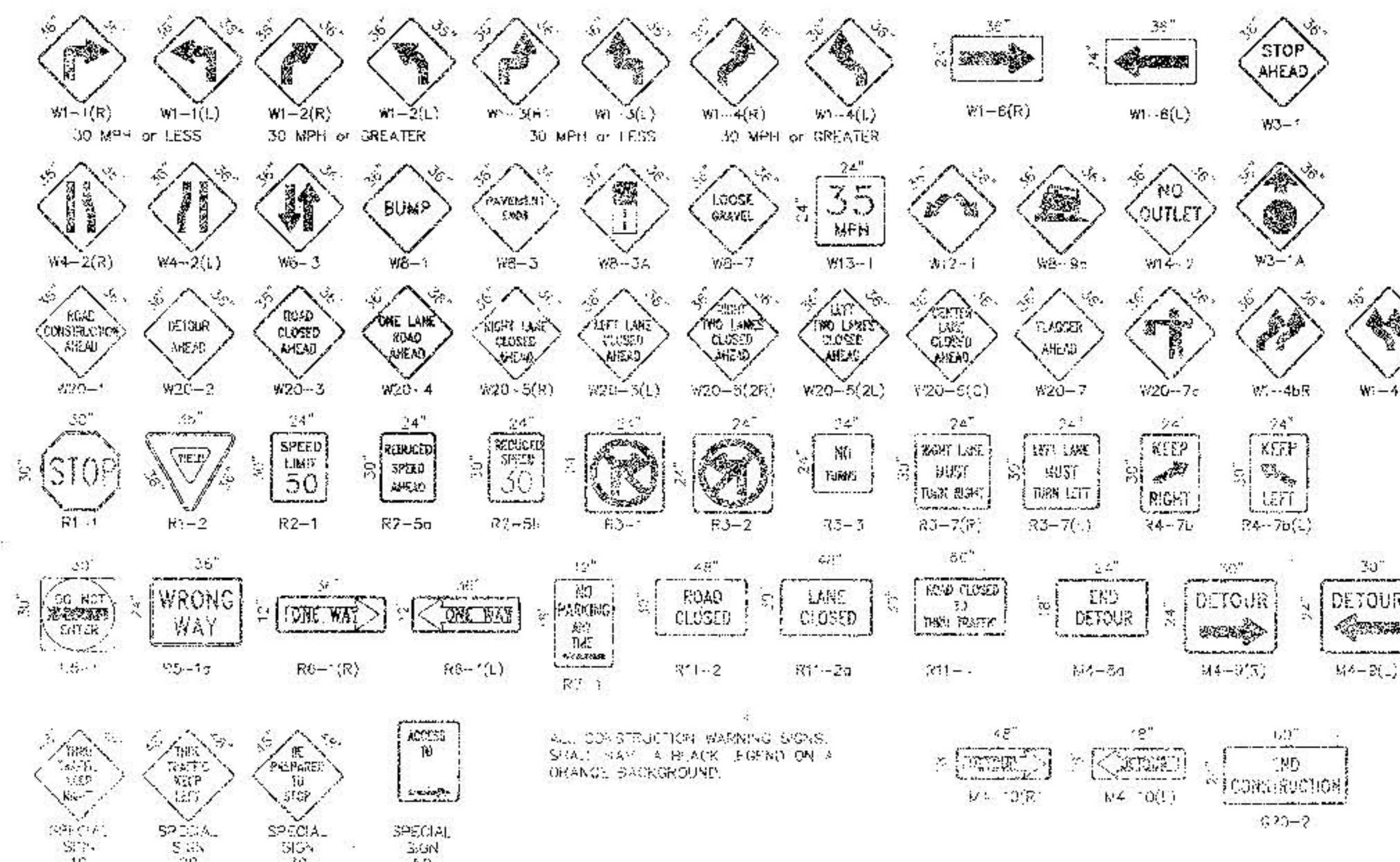
TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER	
MERRING TAPER	1 MINIMUM
SHUTTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

SPEED LIMIT	W	S
40 MPH OR LESS	1	1
45 MPH OR GREATER	1	1

L = TAPER LENGTH
 W = WIDTH OF OFFSET IN FEET
 S = POSTED SPEED OR DETOUR-PEAK 85 PERCENTILE SPEED IN MPH

SIGN FACE DETAILS



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

DESIGNED AND CONSTRUCTION TRAFFIC CONTROL STANDARDS

DESIGN POWER COMMITTEE CITY CHIEF'S APPROVAL

COA Standard

PROJECT NO. 5893.81

DATE 11-11

SHEET 11 OF 12

