

SCANNED BY
MESA REPRO



NOTICE TO CONTRACTORS

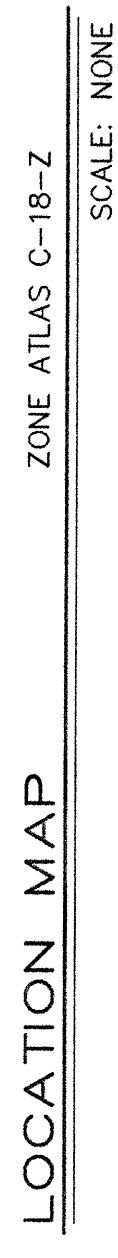
- THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

- 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.

APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
Peter Chang
DATE 4-30-99

SURVEYOR'S CERTIFICATION

DRB CASE No. 97-4867058JN14\TITLE\04-16-98



DATE OF SURVEY..... JULY 1997
UTILITY CONTROL LOCATION SYSTEM LOG NUMBER:..... 9707108100059

The subdivision herein described is with the free consent and in accordance with the desires of the undersigned owner(s) and/or proprietor(s) thereof and said owner(s) and/or proprietor(s) do hereby dedicate all streets and public right-of-ways shown hereon to the City of Albuquerque in fee simple with warranty covenants and do hereby grant: all access, utility and drainage easements shown hereon, including the right to construct, operate, inspect, maintain and use, all facilities, including but not limited to, all facilities hereon for the common and joint use of gas, electrical power and communication services for buried distribution lines, conduits, and pipes for underground & overhead utilities where shown or indicated, and the right of ingress and egress for construction and maintenance, and the right to trim interfering trees and shrubs. Said owner(s) and/or proprietor(s) do hereby certify that this subdivision is their free act and deed.

Mark F. Pagels Sr.
SUNSET WEST, OWNER, by MARK F. PAGELS, SR., NM AGENT

OWNER'S ACKNOWLEDGMENT

STATE OF NEW MEXICO }
COUNTY OF BERNALILLO } SS

Barbara Goodman
NOTARY PUBLIC

OFFICIAL SEAL
BARBARA GOODMAN
NOTARY PUBLIC-NEW MEXICO
Notary Bond filed with Secretary of State
My Commission Expires 9/15/2000
30 August 2000
MY COMMISSION EXPIRES

STATE OF NEW MEXICO }
COUNTY OF BERNALILLO } ss
This instrument was acknowledged before me

Notary Public

OFFICIAL SEAL
BARNABAS GOODWIN
NOTARY PUBLIC-NEW MEXICO
Notary Bond Filed with Secretary of State
My Commission Expires _____ 9/15/20

Barnabas Goodwin
Notary Public
30 August 2000
MY COMMISSION EXPIRES

A tract of land situate within the Elena Gallegos Grant, projected Section 13, Township 11 North, Range 3 East, New Mexico Territory, City of Albuquerque, Bernalillo County, New Mexico being all of LOTS 13 thru 20, BLOCK 26, TRACT A, UNIT B, NORTH ALBUQUERQUE ACRES as the same is shown and designated on said plat, filed for record in the office of the County Clerk of Bernalillo County, New Mexico on April 24, 1936 in Volume D, Folio 130 and being more particularly described as follows:

BEGINNING at the northeast corner of the herein described tract said point being the intersection of the centerline of Modesto Avenue N.E. and the centerline of Louisiana Boulevard N.E. from whence the Albuquerque Central Survey Monument "11-018" bears S 0759.01° W, 263.48' feet;

THENCE leaving said centerline of Modesto Avenue N.E. S 0012.43° W, 527.68' feet along said centerline of Louisiana Boulevard N.E. to the southeast corner, said point being the intersection of said Louisiana Boulevard N.E. and the centerline of Eagle Rock Avenue N.E.;

THENCE leaving said centerline of Louisiana Boulevard N.E. N 89.42' 49" W, 659.82' feet along said centerline of Eagle Rock Avenue N.E. to the southwest corner;

THENCE leaving said centerline of Eagle Rock Avenue N.E. N 0012.38° E, 527.88' feet along a line common with the east line of LOTS 21 and 12, BLOCK 26, TRACT A, UNIT B, NORTH ALBUQUERQUE ACRES as the same is shown and designated on said plat filed for record in the office of the County Clerk of Bernalillo County, New Mexico on April 24, 1936 in Volume D, Folio 130 to the northwest corner, said point being on said centerline of Modesto Avenue N.E.;

THENCE along said centerline of Modesto Avenue N.E. S 89.41' 47" E, 659.84' feet to the point of beginning and containing 7.9946 acres more or less.

1. SUBDIVIDE THE EXISTING TRACT A, UNIT B, BLOCK 26, LOTS 13 THRU 20 INTO 36 RESIDENTIAL LOTS.
2. TO GRANT NEW RIGHT-OF-WAY AND EASEMENTS AS SHOWN.

1. Bearings are grid based on the New Mexico State Plane Grid Bearings (Central Zone).
2. Distances are ground distances.
3. Bearings and distances in parenthesis are record.
4. Basis of boundary are the following plats of record entitled:
"NORTH ALBUQUERQUE ACRES, TRACT A, UNIT B"
(04-24-36, D-130)
"NORTH ALBUQUERQUE ACRES, TRACT 2, UNIT 3"
(09-10-31, D1-20),
all being records of Bernalillo County, New Mexico.
5. Field Survey performed July, 1997.
6. Unless otherwise noted all points are "SET 5/8" REBAR with cap "ALS LS 7719".
7. Title Report: NONE PROVIDED
Address of Property: NONE PROVIDED.
8. Bernalillo County, New Mexico Zone: RD (TRACT 2, UNIT 3)
9. City of Albuquerque Water and Sanitary Sewer Service to **EAGLE ROCK ESTATES, UNIT IV** must be verified and coordinated with the Public Works Department, City of Albuquerque.
10. Portions of the subject property lie within a designated Area of Special Flood Hazard as shown on the National Flood Insurance Programs "Flood Insurance Rate map" Panel No. 3500C0137 D, dated September 20, 1996. Until such time that a LOMR is issued by FEMA flood insurance may be required.

NOTE: UNITS ARE SQUARE FEET

Eagle Rock Estates Unit IV Sht. 2 of 16

NOTES
(SEE SHEET 2)

PURPOSE OF PLAT

(SEE SHEET 2)

APPROVAL AND CONDITIONAL ACCEPTANCE as specified by the Albuquerque Subdivision Ordinance, Article XI of Chapter 7 of the Revised Ordinances of Albuquerque, New Mexico.

Subdivision Case No. _____

Planning Director, City of Albuquerque, N.M.

City Engineer, City of Albuquerque, N.M.

Albuquerque Metropolitan Arroyo Flood Contr

Transportation Development, City of Albuquerque

Utility Development Division, City of Albuquerque

Parks Design and Development, C.I.P., City of

W. J. C. C.
City Surveyor, City of Albuquerque, N.M.

Property Management, City of Albuquerque,

Paul-Philippe
PNM GAS
Date 1-22-98
Approved by Pres: [Signature] 2-25-97

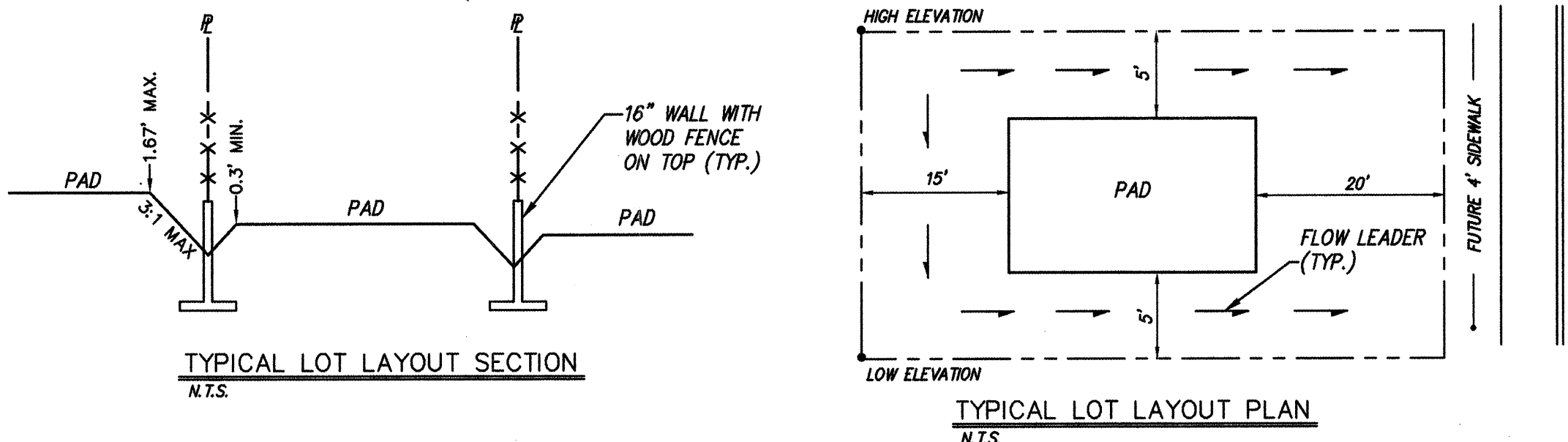
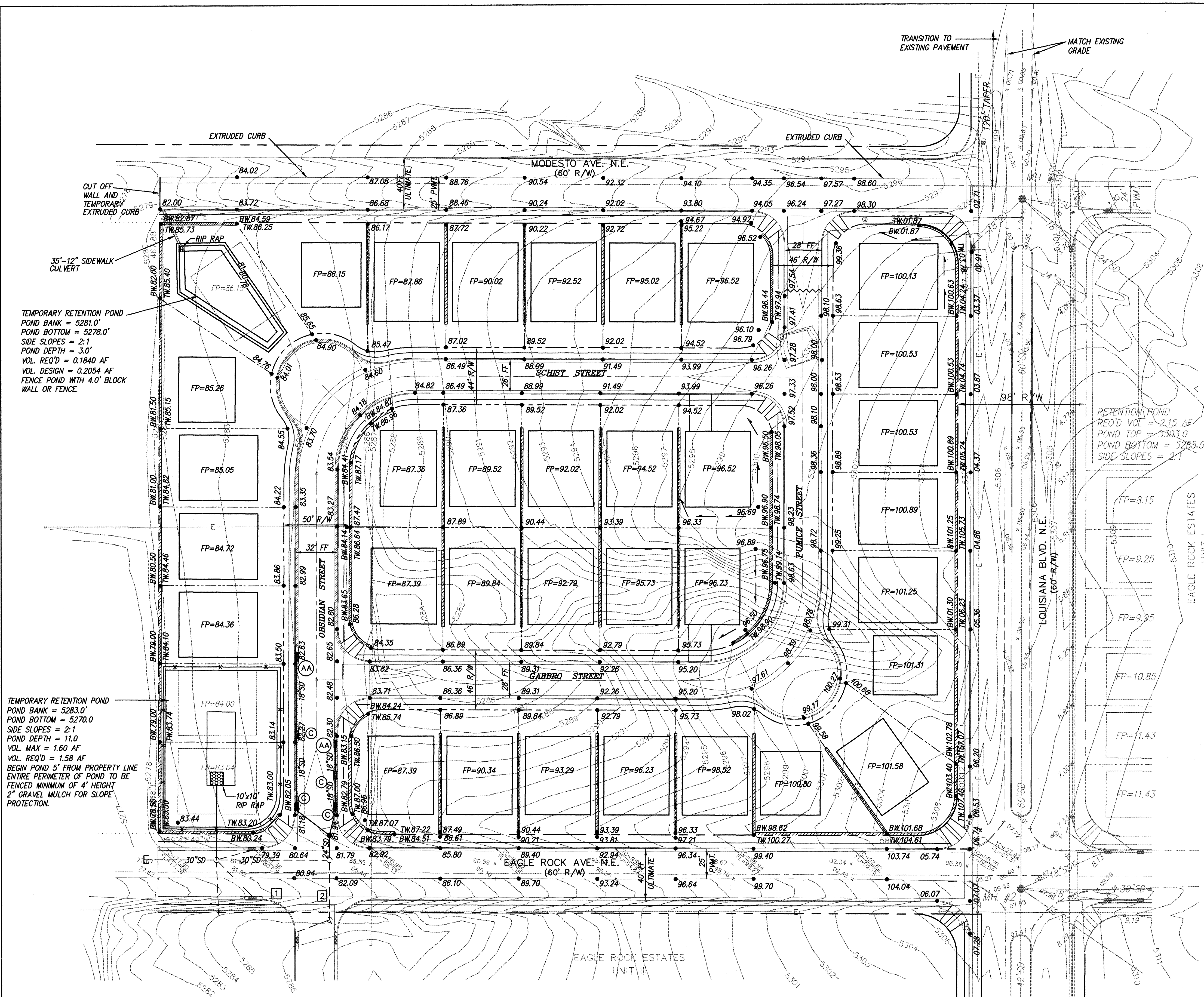
"I, Timothy Aldrich, a duly qualified Registered Professional Land Surveyor, do hereby certify that the plat and description were prepared by me or under my supervision, shows all easements as shown on the plat of record or made known to me by the owners and/or proprietors of the subdivision shown hereon, utility companies and other parties expressing an interest, and meets the minimum requirements for monumentation and surveys of the Albuquerque Subdivision Ordinance, and further meets the Minimum Standards for Land Surveying in the State of New Mexico." (Exhibit 25, 1991 and February 2, 1994)

(Signed) [Signature] "I am the best of my knowledge and belief."

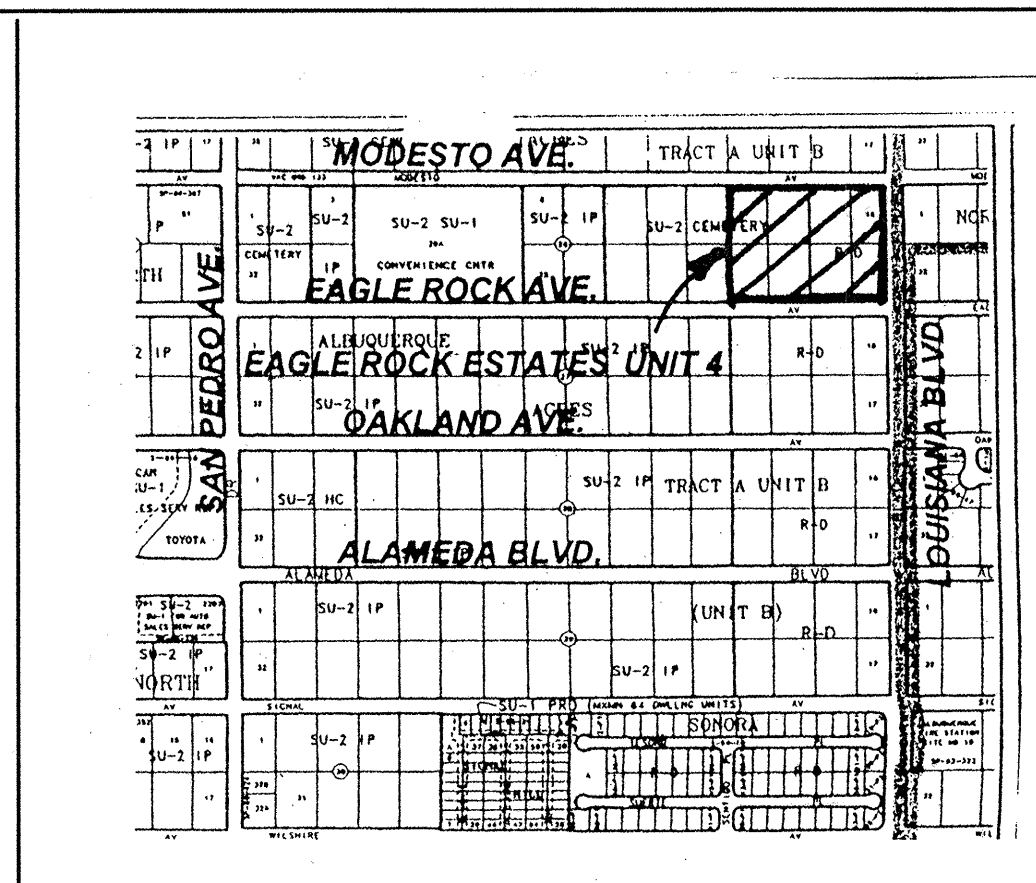
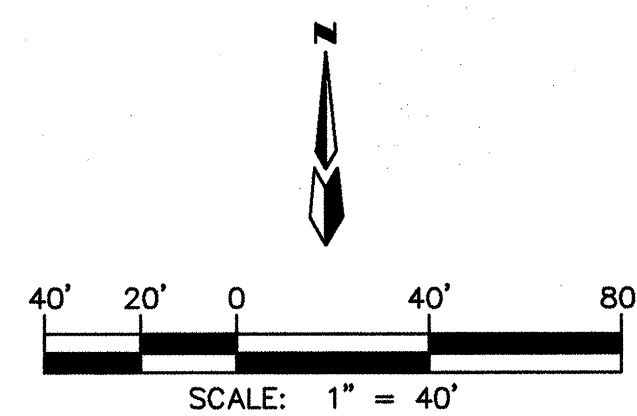
DATE 09-16-97

NO.	RADIUS	DELTA	LENGTH	CHORD BEARING & DISTANCE
1	25.00	89°54' 29"	39.23	N 44° 44' 32" W 35.33"
2	25.00	90° 05' 31"	39.31	N 45° 15' 28" E 35.33"
3	25.00	90° 05' 31"	39.31	N 45° 15' 28" E 35.33"
4	25.00	90° 05' 31"	39.31	N 45° 15' 28" E 35.33"
5	25.00	90° 05' 31"	39.31	N 45° 15' 28" E 35.33"
6	25.00	90° 05' 31"	39.31	N 45° 15' 28" E 35.33"
7	25.00	90° 05' 31"	39.31	N 45° 15' 28" E 35.33"
8	25.00	90° 05' 31"	39.31	N 45° 15' 28" E 35.33"
9	25.00	90° 05' 31"	39.31	N 45° 15' 28" E 35.33"
10	25.00	90° 05' 31"	39.31	N 45° 15' 28" E 35.33"
11	25.00	90° 05' 31"	39.31	N 45° 15' 28" E 35.33"
12	25.00	90° 05' 31"	39.31	N 45° 15' 28" E 35.33"
13	25.00	90° 05' 31"	39.31	N 45° 15' 28" E 35.33"
14	25.00	90° 05' 31"	39.31	N 45° 15' 28" E 35.33"
15	25.00	90° 05' 31"	39.31	N 45° 15' 28" E 35.33"
16	25.00	90° 05' 31"	39.31	N 45° 15' 28" E 35.33"
17	25.00	90° 05' 31"	39.31	N 45° 15' 28" E 35.33"
18	25.00	90° 05' 31"	39.31	N 45° 15' 28" E 35.33"
19	25.00	90° 05' 31"	39.31	N 45° 15' 28" E 35.33"
20	25.00	90° 05' 31"	39.31	N 45° 15' 28" E 35.33"
21	25.00	90° 05' 31"	39.31	N 45° 15' 28" E 35.33"
22	25.00	90° 05' 31"	39.31	N 45° 15' 28" E 35.33"
23	25.00	90° 05' 31"	39.31	N 45° 15' 28" E 35.33"
24	25.00	90° 05' 31"	39.31	N 45° 15' 28" E 35.33"
25	25.00	90° 05' 31"	39.31	N 45° 15' 28" E 35.33"
26	25.00	90° 05' 31"	39.31	N 45° 15' 28" E 35.33"
27	25.00	90° 05' 31"	39.31	N 45° 15' 28" E 35.33"
28	25.00	90° 05' 31"	39.31	N 45° 15' 28" E 35.33"
29	25.00	90° 05' 31"	39.31	N 45° 15' 28" E 35.33"
30	25.00	90° 05' 31"	39.31	N 45° 15' 28" E 35.33"
31	25.00	90° 05' 31"	39.31	N 45° 15' 28" E 35.33"
32	25.00	90° 05' 31"	39.31	N 45° 15' 28" E 35.33"
33	25.00	90° 05' 31"	39.31	N 45° 15' 28" E 35.33"
34	25.00	90° 05' 31"	39.31	N 45° 15' 28" E 35.33"
35	25.00	90° 05' 31"	39.31	N 45° 15' 28" E 35.33"
36	25.00	90° 05' 31"	39.31	N 45° 15' 28" E 35.33"
37	25.00	90° 05' 31"	39.31	N 45° 15' 28" E 35.33"
38	25.00	90° 05' 31"	39.31	N 45° 15' 28" E 35.33"

PUBLIC UTILITY EASEMENTS shown on this plat are granted for the common and joint use of:



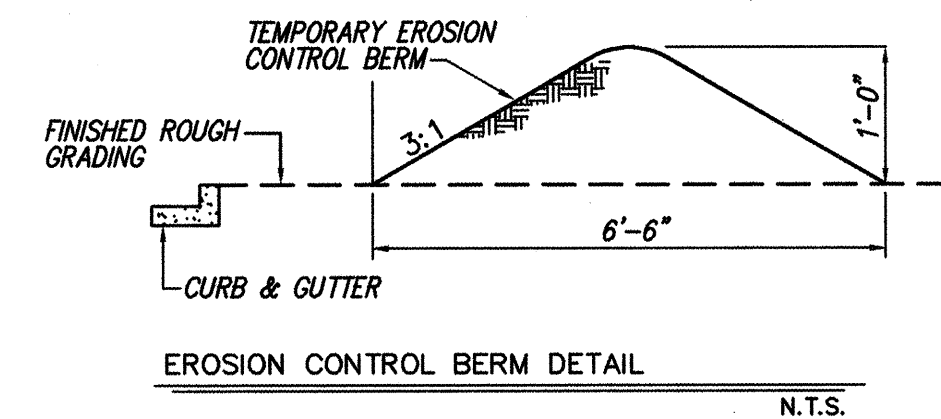
- | NOTES | |
|---|--|
| <p>1. CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE ENVIRONMENTAL HEALTH DIVISION PRIOR TO CONSTRUCTION.</p> <p>2. CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION SHALL GOVERN ALL WORK.</p> <p>3. THE CONTRACTOR SHALL CONFORM 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.</p> | <p>4. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE LOTS INTO PUBLIC RIGHT-OF-WAY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AS PER DTL. THIS SHT. AND WETTING THE SOIL TO KEEP IT FROM BLOWING.</p> <p>5. THE EARTHWORK CONTRACTOR SHALL STOCKPILE ENOUGH MATERIAL ADJACENT TO RETAINING WALL LOCATIONS TO BE UTILIZED FOR WALL BACKFILL.</p> |



VICINITY MAP

LEGAL DESCRIPTION

NORTH ALBUQUERQUE ACRES TRACT 2, UNIT 3, BLOCK 2
LOTS 1 THRU 4 AND LOTS 29 THRU 32.

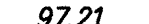


EROSION CONTROL NOTES

1. CONTRACTOR IS RESPONSIBLE FOR KEEPING ALL SEDIMENT OUT OF EXISTING RIGHT-OF-WAY.
2. CONTRACTOR IS RESPONSIBLE FOR CLEANING UP ANY SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
3. EROSION CONTROL BERMS ARE REQUIRED AROUND THE ENTIRE SITE.
4. ALL EROSION CONTROL BERMS MUST BE IN PLACE AND ENGINEER CERTIFIED PRIOR TO BUILDING PERMIT RELEASE.

LEGEND

- 
PROPERTY LINE

NEW RETAINING WALL

97.21
NEW SPOT ELEVATION
TW.21.01
WT.18.31
FP=48.72

28.53

3:1 SLOPE

EXIST. SANITARY SEWER MANHOLE

EXIST. WATER VALVE

EXIST. FIRE HYDRANT

EXIST. STORM SEWER MANHOLE

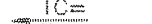
EXIST. DROP INLET

EXIST. TOP OF CURB FLOWLINE

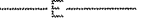
PROPOSED STORM DRAIN INLET

STORM DRAIN MANHOLE

TYPE "C" INLET

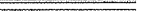
WATER BLOCK
- 5135 —

TC=
FL=
 43.83 X




















- EXIST. CONTOUR
 EXIST. TOP OF CURB
 EXIST. FLOWLINE
 EXIST. SPOT ELEV.
 EXIST. CURB AND GUTTER
 EXIST. SAS MANHOLE
 EXIST. CABLE T.V. PEDESTAL
 EXIST. WATER VALVE
 EXIST. OVERHEAD ELECTRIC LINE
 EXIST. OVERHEAD TELEPHONE LINE
 EXIST. P.P.
 EXIST. TEL. PEDESTAL
 SPOT ELEVATION
 CURB AND GUTTER
 PROPOSED STORM DRAIN LINE
 PROPOSED MANHOLE
 NEW FLOW ARROW
 EXISTING EDGE OF PAVEMENT
 DOUBLE GRATE TYPE "A" INLET

APPROVED FOR ROUGH GRADING 1'± DATE

dmg D. MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200

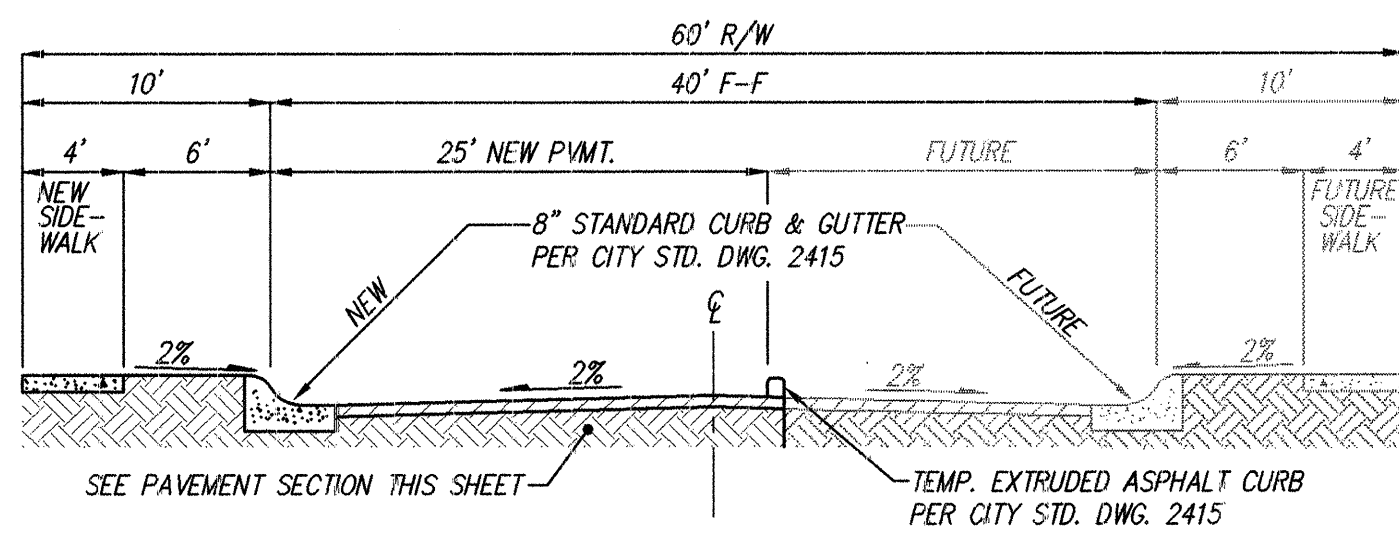
 CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: EAGLE ROCK ETATES UNIT IV
GRADING AND DRAINAGE PLAN

DESIGN REVIEW COMMITTEE		CITY ENGINEER APPROVAL		LAST DESIGN UPDATE		MO./DAY/YR.		MO./DAY/YR.	
									
CITY PROJECT NO. 580184				ZONE MAP NO. C-18		SHEET 4		OF 16	

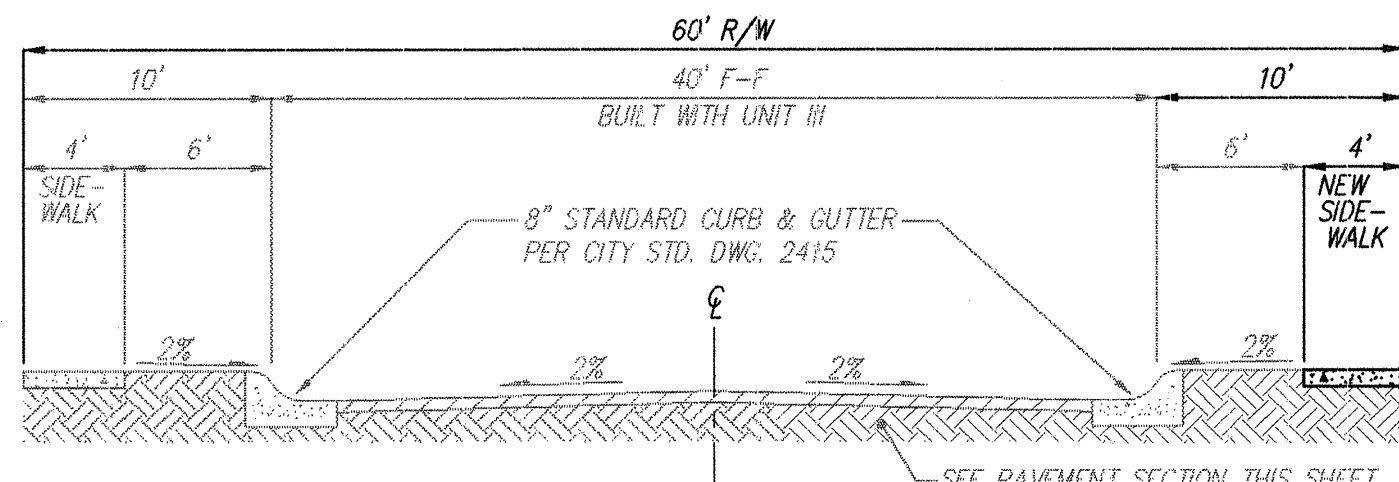
SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	FIELD NOTES	DATE	BY	CONTRACTOR	WORKED BY
	THE STATION MARK IS A STANDARD ACS ALUMINUM CAP STAMPED "11-C18". IT IS PIVOTED TO A 2 1/2" ALUMINUM TUBE SET WITH THE CAP PROJECTING 0.1 FT. ABOVE THE GROUND.			WORKED BY <u>JB, KING</u>	DATE <u>9/8/94</u>
	TO REACH THE STATION FROM THE INTERSECTION OF I-40 AND LOUISIANA BLVD., GO NORTH ON LOUISIANA BLVD. 6.25 MILES TO THE STATION ON THE LEFT.			INSPECTED BY <u>MOGA</u>	DATE <u>4/99</u>
	X = 404.894.49			VERIFIED BY <u>AL, INC</u>	DATE <u>9/94</u>
	Y = 1,523,837.39			DRAWINGS CORRECTED BY <u>AL, INC</u>	DATE <u>9/94</u>
	Z = 5305.00			RECORDED BY	DATE
				N.O.	

[illegible]



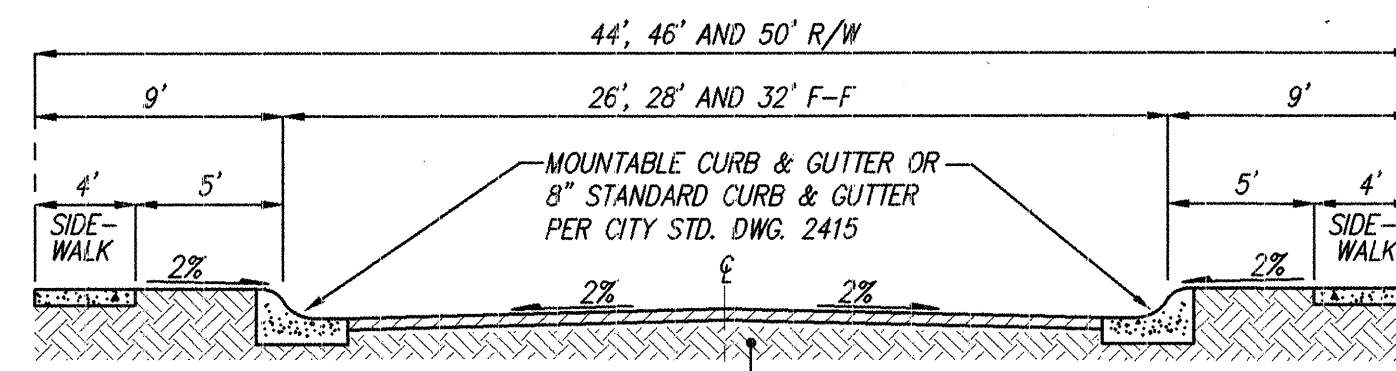
TYPICAL 60' STREET SECTION
(MODESTO AVE.)

NOT TO SCALE



TYPICAL 60' STREET SECTION
(EAGLE ROCK AVE.)

NOT TO SCALE



TYPICAL 44', 46' AND 50' RESIDENTIAL STREET SECTION

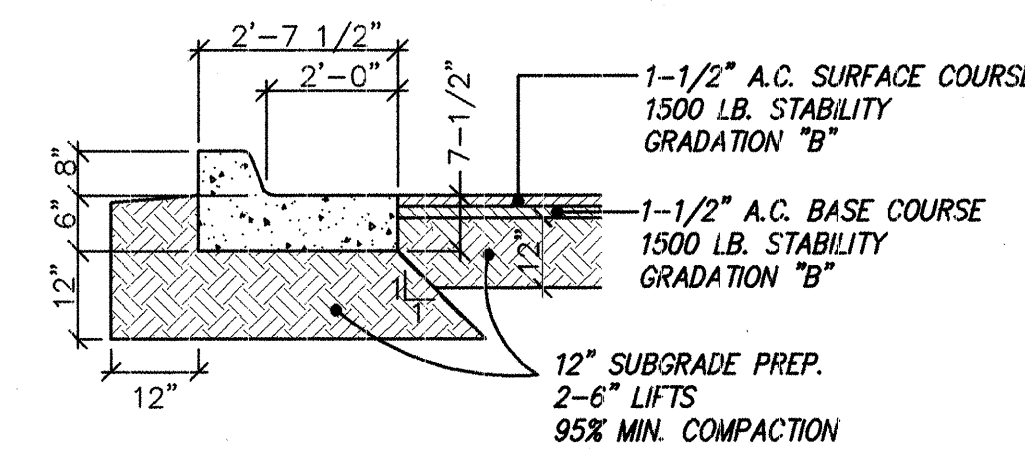
NOT TO SCALE

LEGEND

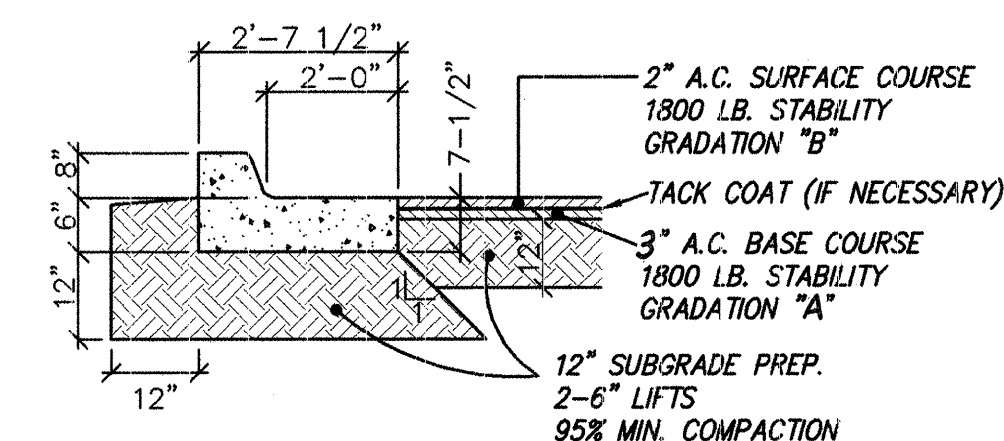
- PROPERTY LINE
- NEW 8" STANDARD CURB & GUTTER
- NEW MOUNTABLE CURB & GUTTER
- NEW DEPRESSED MOUNTABLE CURB & GUTTER
- NEW WHEEL CHAIR RAMP
PER CITY STD. DWG. 2441 CASE II
- NEW STREET LIGHT
- NEW OFFSITE PAVEMENT
SEE P.V.M.T. SECTIONS THIS SHEET
- DEPRESSED MOUNTABLE
CURB AND GUTTER

NOTES

- ALL SIDEWALKS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2430.
- ALL 6" VALLEY GUTTERS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2420.
- ALL 4" VALLEY GUTTERS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2421.
- ALL 4" INTERIOR SIDEWALKS ARE DEFERRED.
- ALL HANDICAP RAMPS TO BE CASE II PER CITY OF ALBUQUERQUE STANDARD DRAWING 2441. WHERE GRADES DO NOT PERMIT A MAXIMUM SLOPE OF 12:1 TO BE MAINTAINED WITHIN THE 7' LENGTH AS SPECIFIED, THEN THE 7' LENGTH AS SHOWN IN DRAWING 2441 MUST BE INCREASED TO MAINTAIN A SLOPE <12:1.
- TRANSITION FROM MOUNTABLE CURB TO STANDARD CURB SHALL BE PER STD DWG. 2418.
- TRANSITION SECTION FROM FULL CROWN TO NO CROWN TO BE A MINIMUM OF 50 FEET.
- PAVING, STORM DRAIN, C&G, WHEELCHAIR RAMPS, AND VALLEY GUTTERS (BOTH SIDES), WILL BE BUILT AND FINANCIALLY GUARANTEED WITH UNIT III.

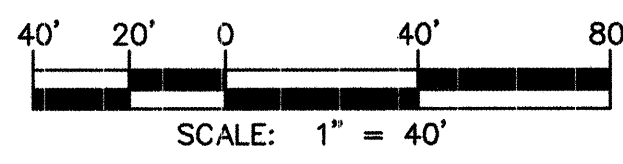


RESIDENTIAL PAVEMENT SECTION
NOT TO SCALE
PAVEMENT SECTION PER COA STD. DWG. 2405



TYPICAL COLLECTOR STREET PAVEMENT SECTION
(EAGLE ROCK AVE. & MODESTO AVE.)
NOT TO SCALE

Soil not having the minimum R-value of 50, shall be removed to a depth of 2 feet and replaced by the contractor, with suitable material or a pavement section shall be designed accommodating the existing R-value per COA Standard specifications

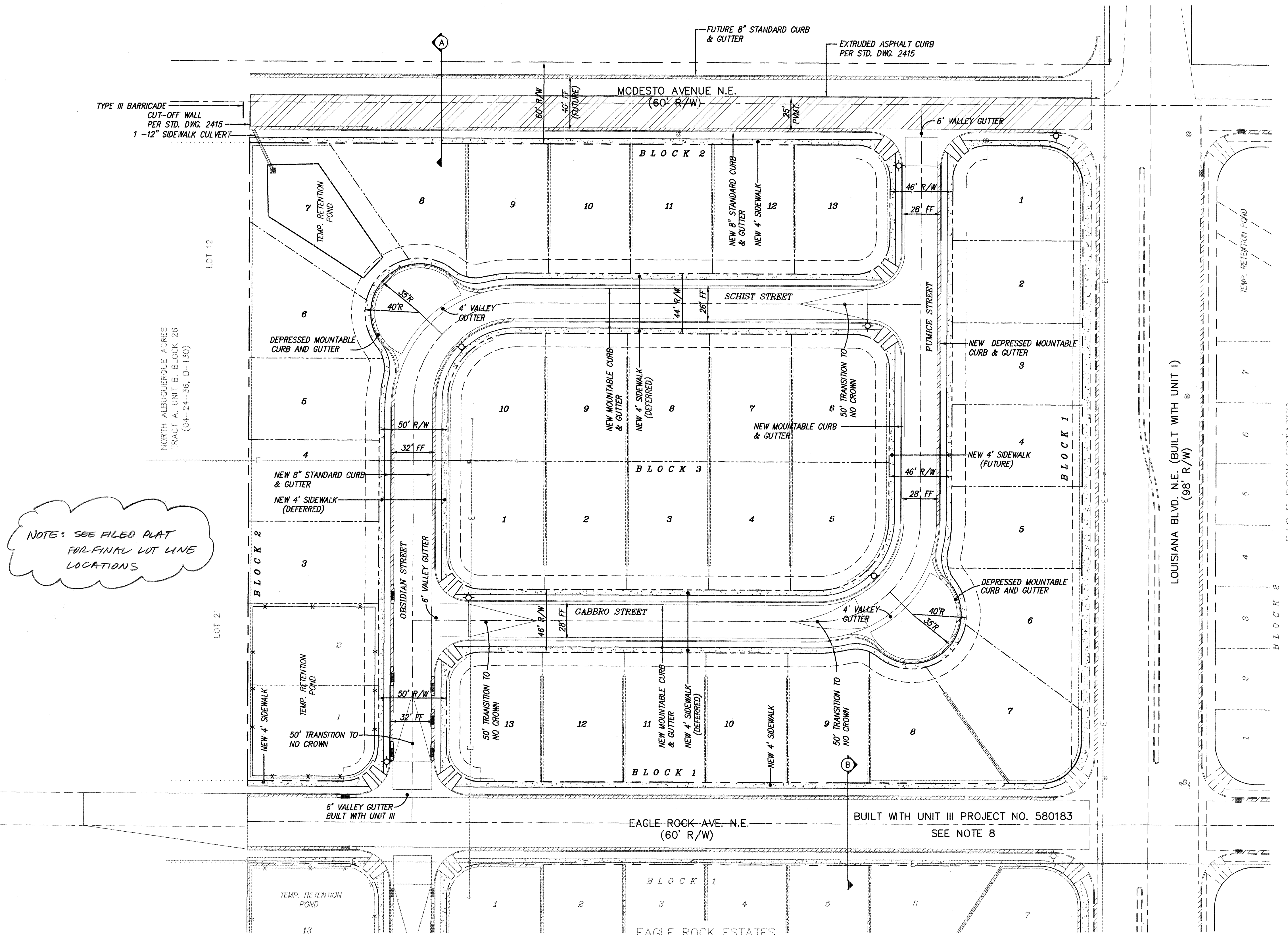


MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
TITLE: **EAGLE ROCK ESTATES - UNIT IV
MASTER PAVING PLAN**

DESIGN BY REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APR 29 1998			
DESIGN REVIEW COMMITTEE	LAST DESIGN UPDATE		

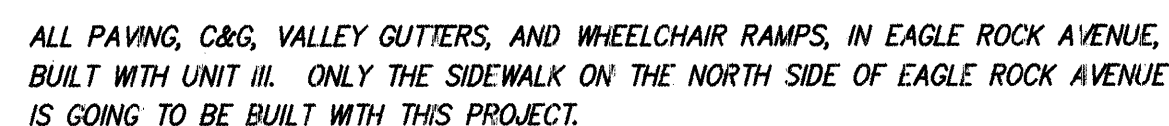
CITY PROJECT NO. **580184** ZONE MAP NO. **C-18** SHEET **5** OF **16**



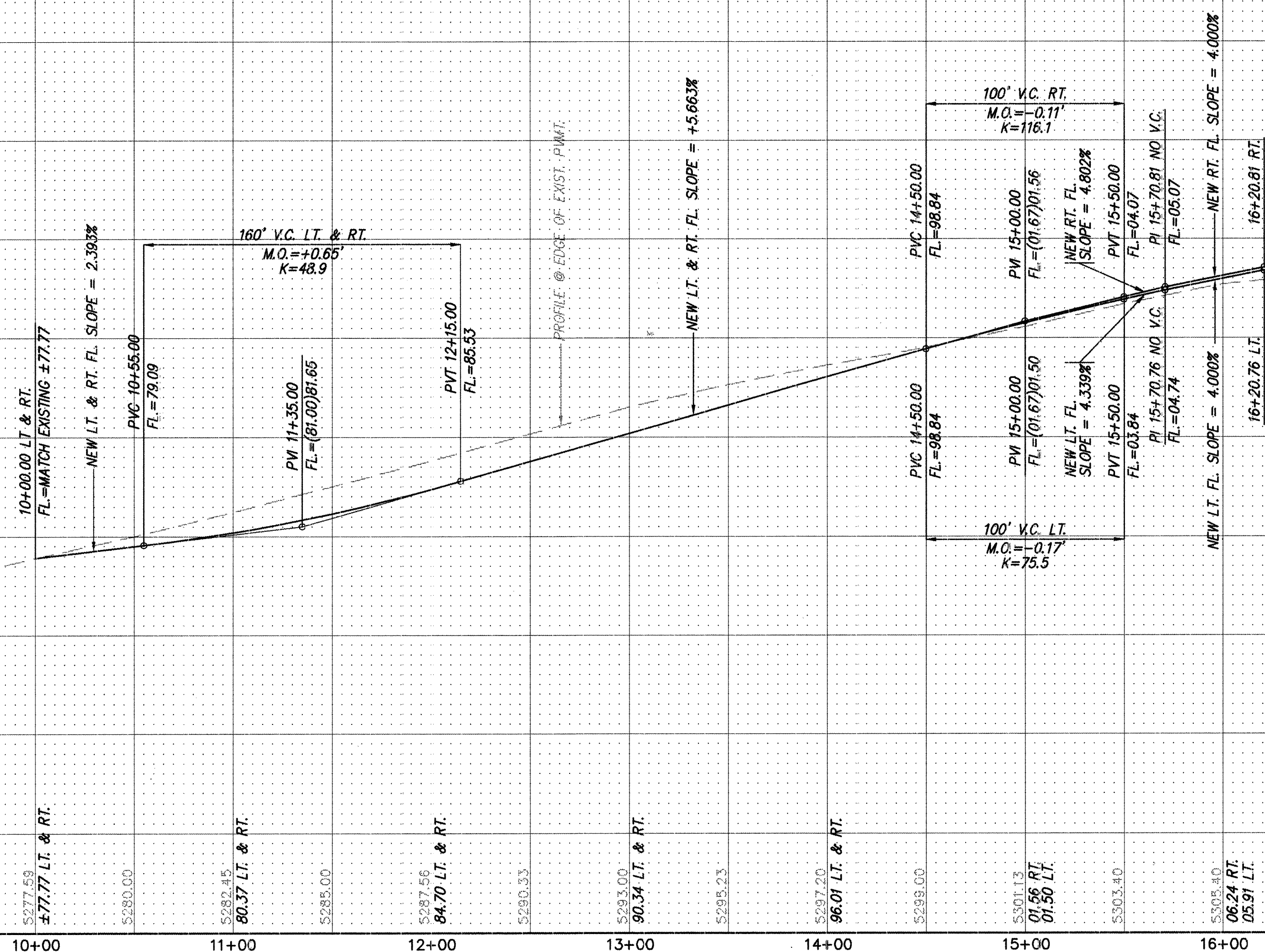
EAGLE ROCK ESTATES
UNIT III

7058UNI4\MPAVE-U4\04-17-98

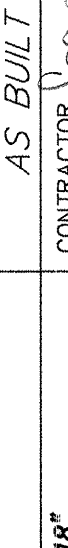
$$\begin{array}{ll} \textcircled{1} \Delta = 90^{\circ}04'28'' & \textcircled{2} \Delta = 89^{\circ}55'32'' \\ R = 25.00' & R = 25.00' \\ L = 39.30' & L = 39.24' \\ T = 25.03' & T = 24.97' \end{array}$$



EAGLE ROCK AVE.
STA. 8+80.00 TO STA. 16+59.86
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'



1. ALL STATIONING IS CENTERLINE STATIONING.

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES		STANDARD ACS ALUMINUM CAP STAMPED "11-C18"		CONTRACTOR <u>Franklin</u>	
		BY		DATE		WORK ORDERED BY <u>JLS, INC.</u> DATE <u>02/98</u>	
		NO.				INSPECTOR'S ACCEPTANCE BY <u>DLH</u> DATE <u>4/99</u>	
						VERIFICATION BY <u>JLS, INC.</u> DATE <u>03/99</u>	
						DRAWINGS CORRECTED BY <u>JLS, INC.</u> DATE <u>03/99</u>	
DESIGNED BY <u>DLH</u>		DATE <u>02/98</u>		MICRO-FILM INFORMATION			
DRAWN BY <u>DBC</u>		DATE <u>02/98</u>		RECORDED BY			
				DATE			
				NO.			

dm

MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
*EAGLE ROCK ESTATES - UNIT I
PAVING IMPROVEMENTS
EAGLE ROCK AVENUE*

DESIGN REVIEW COMMITTEE

F	CITY ENGINEER APPROVAL
---	------------------------

LAST DESIGN UPDATE

NO./DAY/YR

NO./DAY/YR.	NO./DAY/YR.
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CITY PROJECT NO.

580184

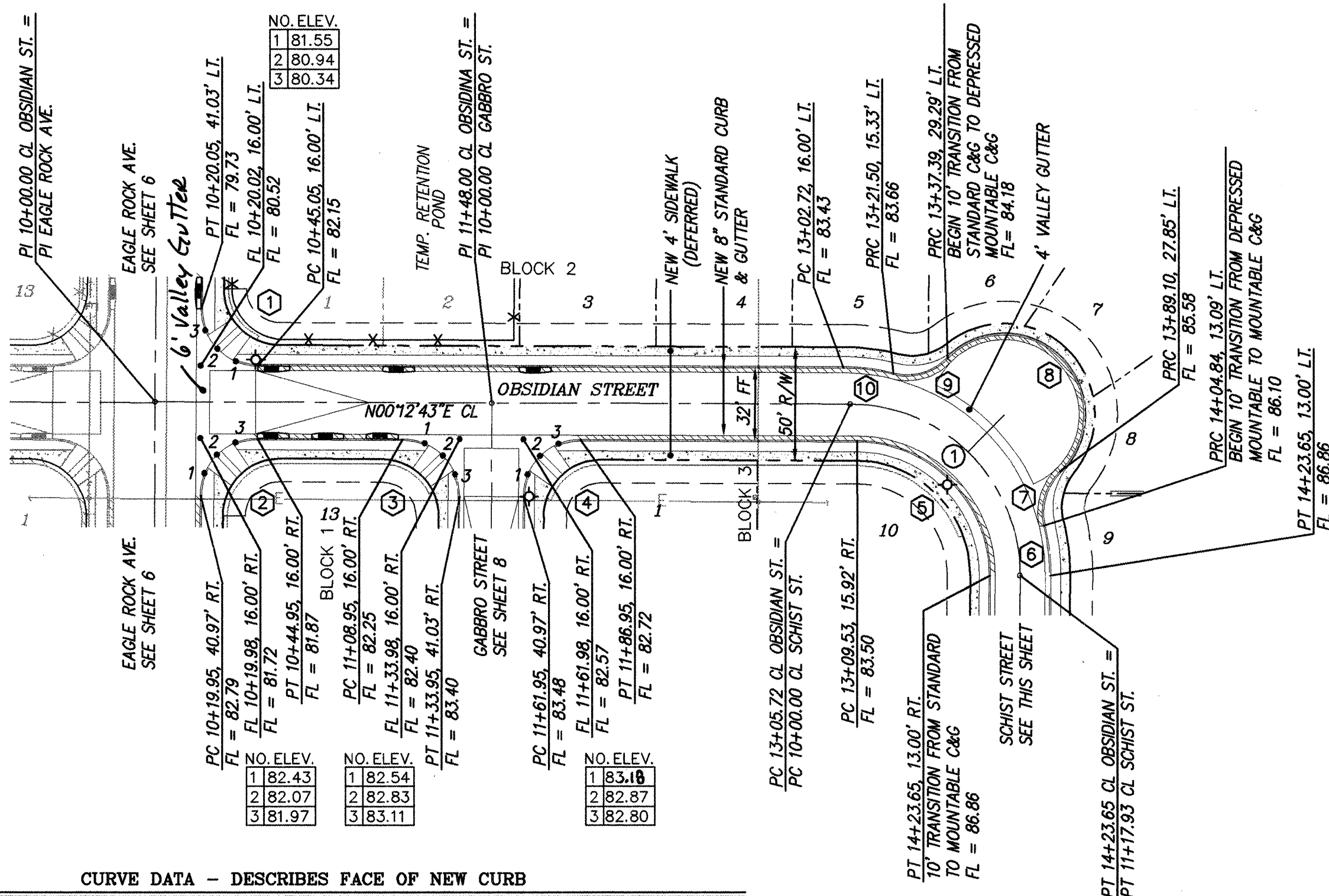
ZONE MAP NO.
C-18

SHEET OF
6 16

7058UNI4\PP-ER\03-19-98

CURVE DATA - DESCRIBES CENTERLINE

① $\Delta = 90^\circ 05' 31''$
 $R = 75.00'$
 $L = 117.93'$
 $T = 75.12'$



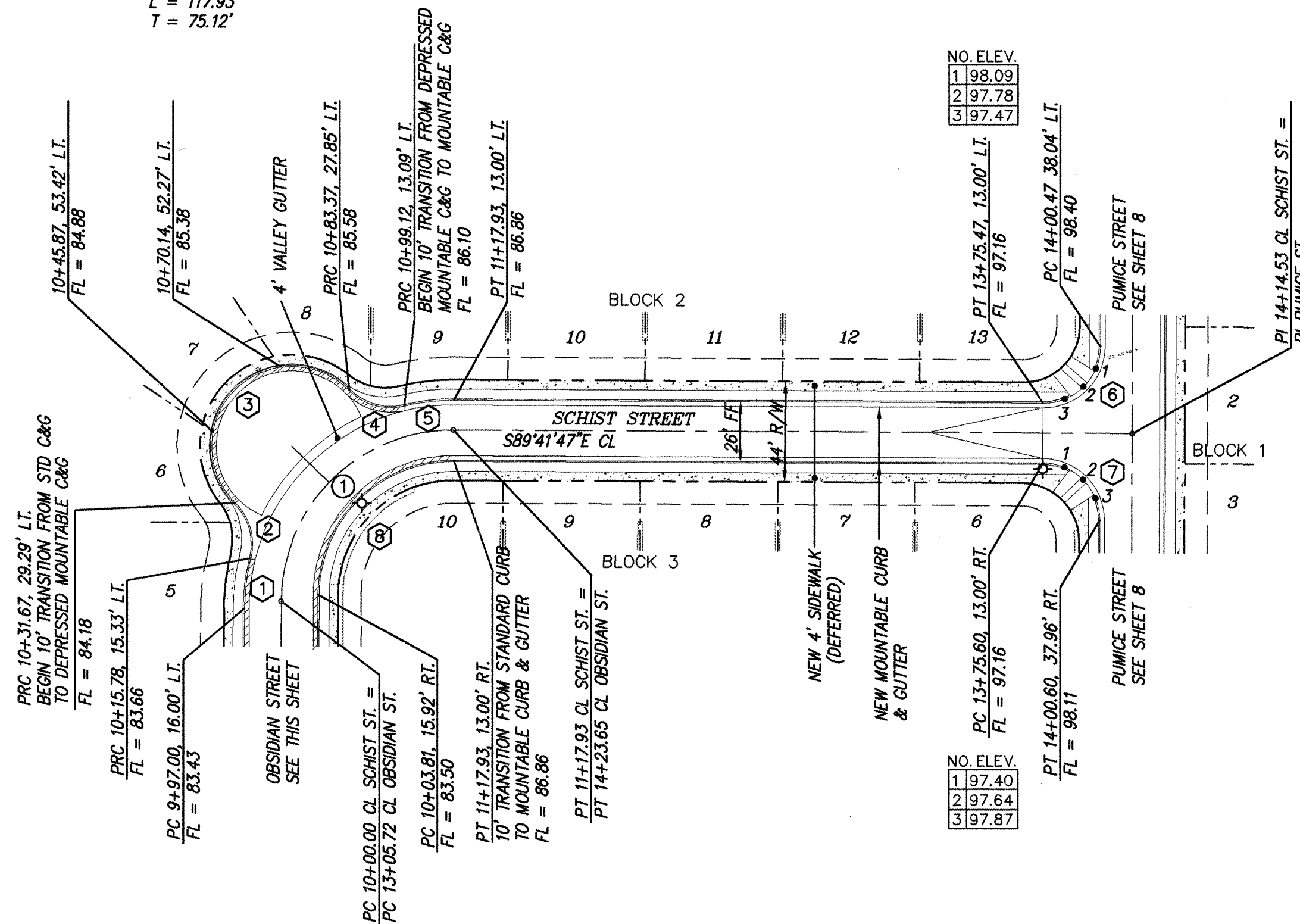
CURVE DATA - DESCRIBES FACE OF NEW CURB

① $\Delta = 90^\circ 04' 28''$ $R = 25.00'$ $L = 39.30'$ $T = 25.03'$
 ② $\Delta = 89^\circ 55' 32''$ $R = 25.00'$ $L = 39.24'$ $T = 24.97'$
 ③ $\Delta = 90^\circ 04' 28''$ $R = 25.00'$ $L = 39.30'$ $T = 25.03'$
 ④ $\Delta = 89^\circ 55' 32''$ $R = 25.00'$ $L = 39.24'$ $T = 24.97'$
 ⑤ $\Delta = 90^\circ 05' 31''$ $R = 75.00'$ $L = 117.93'$ $T = 75.12'$
 ⑥ $\Delta = 13^\circ 54' 04''$ $R = 91.00'$ $L = 22.08'$ $T = 11.09'$
 ⑦ $\Delta = 59^\circ 32' 34''$ $R = 25.00'$ $L = 25.98'$ $T = 14.30'$
 ⑧ $\Delta = 181^\circ 22' 30''$ $R = 110.80'$ $L = 110.80'$ $T = N/A$
 ⑨ $\Delta = 59^\circ 32' 34''$ $R = 25.00'$ $L = 25.98'$ $T = 14.30'$
 ⑩ $\Delta = 13^\circ 54' 04''$ $R = 91.00'$ $L = 22.08'$ $T = 11.09'$

OBSIDIAN STREET
 STA. 10+00.00 TO STA. 14+23.65
 SCALE: HORZ. 1" = 50'
 VERT. 1" = 10'

CURVE DATA - DESCRIBES CENTERLINE

① $\Delta = 90^\circ 05' 31''$
 $R = 75.00'$
 $L = 117.93'$
 $T = 75.12'$



CURVE DATA - DESCRIBES FACE OF NEW CURB

① $\Delta = 13^\circ 54' 04''$ $R = 91.00'$ $L = 22.08'$ $T = 11.09'$
 ② $\Delta = 59^\circ 32' 34''$ $R = 25.00'$ $L = 25.98'$ $T = 14.30'$
 ③ $\Delta = 181^\circ 22' 30''$ $R = 110.80'$ $L = 110.80'$ $T = N/A$
 ④ $\Delta = 59^\circ 32' 34''$ $R = 25.00'$ $L = 25.98'$ $T = 14.30'$
 ⑤ $\Delta = 13^\circ 54' 04''$ $R = 91.00'$ $L = 22.08'$ $T = 11.09'$
 ⑥ $\Delta = 90^\circ 05' 31''$ $R = 75.00'$ $L = 117.93'$ $T = 75.12'$
 ⑦ $\Delta = 89^\circ 54' 29''$ $R = 25.00'$ $L = 39.23'$ $T = 24.96'$
 ⑧ $\Delta = 90^\circ 05' 31''$ $R = 75.00'$ $L = 117.93'$ $T = 75.12'$

SCHIST STREET
 STA. 10+00.00 TO STA. 14+14.53
 SCALE: HORZ. 1" = 50'
 VERT. 1" = 10'

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

NOTE: SEE FILED PLAT FOR
FINAL LOT LINE LOCATIONS

dmg MARK GOODWIN & ASSOCIATES, P.A.
 CONSULTING ENGINEERS
 P.O. BOX 90606
 ALBUQUERQUE, NEW MEXICO 87199
 (505) 828-2200, FAX (505) 797-9539

CITY OF ALBUQUERQUE
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DEVELOPMENT GROUP
 TITLE: **EAGLE ROCK ESTATES - UNIT IV
 PAVING IMPROVEMENTS
 OBSIDIAN STREET AND SCHIST STREET**

DESIGN REVIEW COMMITTEE
 APR 2 9 1998
 DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

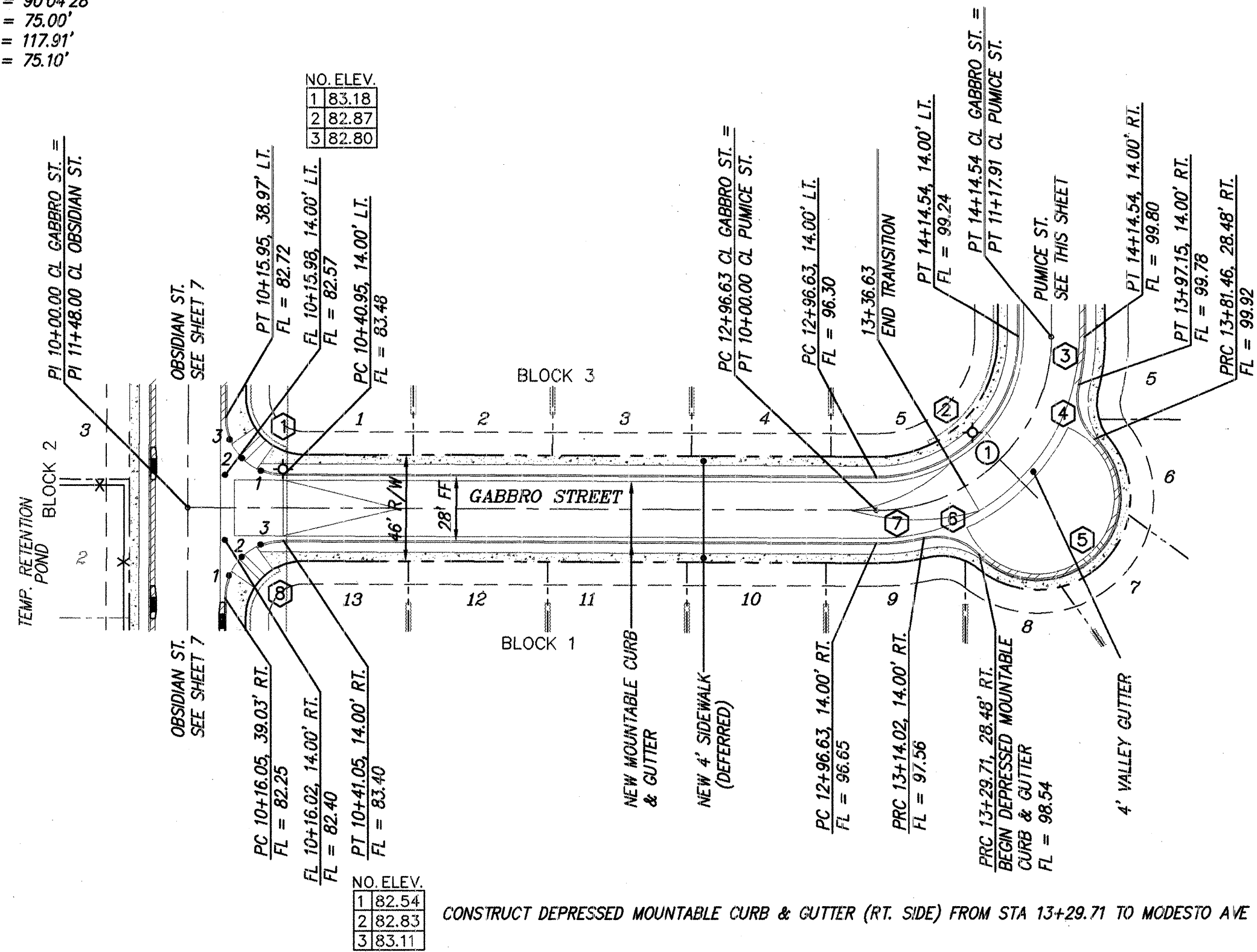
NO. DATE REMARKS
 BY
 REVISIONS
 DESIGN
 DESIGNED BY **DJH** DATE **02/98**
 DRAWN BY **DGC, FSM, KJS** DATE **02/98**
 CHECKED BY **DMG** DATE **02/98**

ENGINEER'S SEAL
 DAME HOELZER
 NEW MEXICO
 1987
 REGISTERED PROFESSIONAL ENGINEER
 4-2098

CITY PROJECT NO. **580184** ZONE MAP NO. **C-18** SHEET **7** OF **16**

CURVE DATA - DESCRIBES CENTERLINE

① $\Delta = 90^\circ 04' 28''$
 $R = 75.00'$
 $L = 117.91'$
 $T = 75.10'$



CURVE DATA - DESCRIBES FACE OF NEW CURB

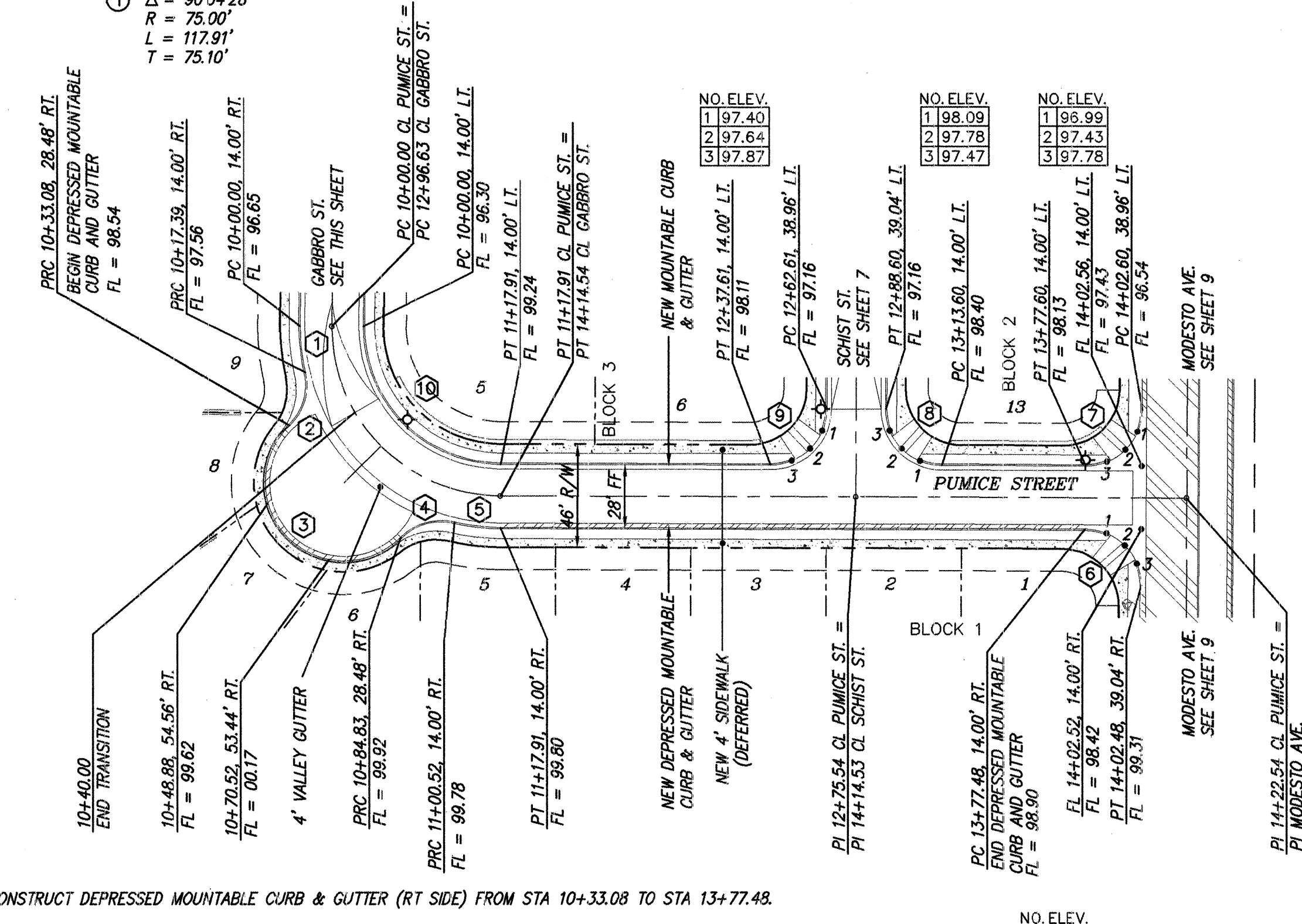
① $\Delta = 89^\circ 55' 32''$ ② $\Delta = 90^\circ 04' 28''$ ③ $\Delta = 137^\circ 09' 09''$ ④ $\Delta = 59^\circ 15' 44''$
 $R = 25.00'$ $R = 61.00'$ $R = 89.00'$ $R = 25.00'$
 $L = 39.24'$ $L = 95.90'$ $L = 20.64'$ $L = 25.86'$
 $T = 24.97'$ $T = 61.08'$ $T = 10.37'$ $T = 14.22'$

⑤ $\Delta = 177^\circ 58' 23''$ ⑥ $\Delta = 59^\circ 15' 44''$ ⑦ $\Delta = 137^\circ 09' 09''$ ⑧ $\Delta = 90^\circ 04' 28''$
 $R = 35.00'$ $R = 25.00'$ $R = 89.00'$ $R = 25.00'$
 $L = 111.19'$ $L = 25.86'$ $L = 20.64'$ $L = 39.30'$
 $T = 1,978.49'$ $T = 14.23'$ $T = 10.37'$ $T = 25.03'$

GABBRO STREET
 STA. 10+00.00 TO STA. 14+14.54
 SCALE: HORZ. 1" = 50'
 VERT. 1" = 10'

CURVE DATA - DESCRIBES CENTERLINE

① $\Delta = 90^\circ 04' 28''$
 $R = 75.00'$
 $L = 117.91'$
 $T = 75.10'$



CURVE DATA - DESCRIBES FACE OF NEW CURB

① $\Delta = 137^\circ 09' 09''$ ② $\Delta = 59^\circ 15' 44''$ ③ $\Delta = 177^\circ 58' 23''$ ④ $\Delta = 59^\circ 15' 44''$ ⑤ $\Delta = 137^\circ 09' 09''$
 $R = 89.00'$ $R = 25.00'$ $R = 35.00'$ $R = 25.00'$ $R = 89.00'$
 $L = 20.64'$ $L = 25.86'$ $L = 111.19'$ $L = 25.86'$ $L = 20.64'$
 $T = 10.37'$ $T = 14.23'$ $T = 1,978.49'$ $T = 14.22'$ $T = 10.37'$

⑥ $\Delta = 90^\circ 05' 31''$ ⑦ $\Delta = 89^\circ 54' 29''$ ⑧ $\Delta = 90^\circ 05' 31''$ ⑨ $\Delta = 89^\circ 54' 29''$ ⑩ $\Delta = 90^\circ 04' 28''$
 $R = 25.00'$ $R = 25.00'$ $R = 25.00'$ $R = 25.00'$ $R = 61.00'$
 $L = 39.31'$ $L = 39.23'$ $L = 39.31'$ $L = 39.23'$ $L = 95.90'$
 $T = 25.04'$ $T = 24.96'$ $T = 25.04'$ $T = 24.96'$ $T = 61.08'$

PUMICE STREET
 STA. 10+00.00 TO STA. 14+22.54
 SCALE: HORZ. 1" = 50'
 VERT. 1" = 10'

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

NOTE: SEE FILED PLAT FOR
 FINAL LOT LOCATIONS

dmg MARK GOODWIN & ASSOCIATES, P.A.
 CONSULTING ENGINEERS
 P.O. BOX 90606
 ALBUQUERQUE, NEW MEXICO 87199
 (505) 828-2200, FAX (505) 797-9539

CITY OF ALBUQUERQUE
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DEVELOPMENT GROUP
 TITLE: **EAGLE ROCK ESTATES - UNIT IV
 PAVING IMPROVEMENTS
 GABBRO STREET AND PUMICE STREET**

APPROVED
 APR 29 1998
 DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

CITY PROJECT NO.

580184

ZONE MAP NO. C-18

SHEET 8 OF 16

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	BY	DATE	STANDARD ACS ALUMINUM CAP STAMPED "11-C18"	CONTRACTOR	DATE
			X = 404.694.49	WORK STAKED BY	DATE
			Y = 1,529,377.39	INSPECTOR'S	DATE
			Z = 5305.00	FIELD	DATE
				VERIFICATION BY	DATE
				CORRECTED BY	DATE
				MICRO-FILM INFORMATION	DATE
				RECORDED BY	DATE
					NO.

ENGINEER'S SEAL
 DAME HOELER
 REGISTERED PROFESSIONAL ENGINEER
 NEW MEXICO
 11987
 4-10-98

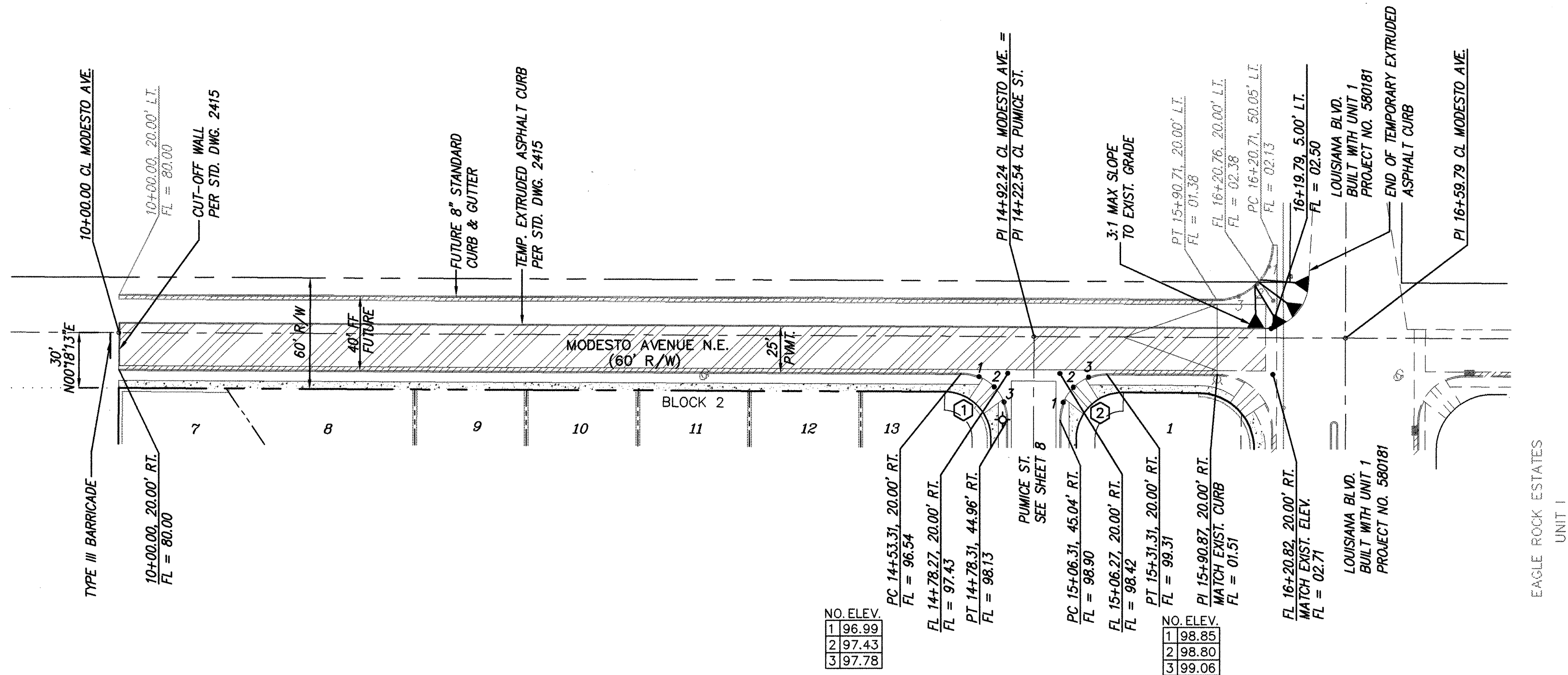
NO.	DATE	REMARKS	BY
		DESIGN	
		REVISIONS	
		DATE	
		DATE	
		DATE	

DESIGNED BY	DATE
DWG	02/98
DRAWN BY	DATE
DWG	02/98
CHECKED BY	DATE
DWG	02/98

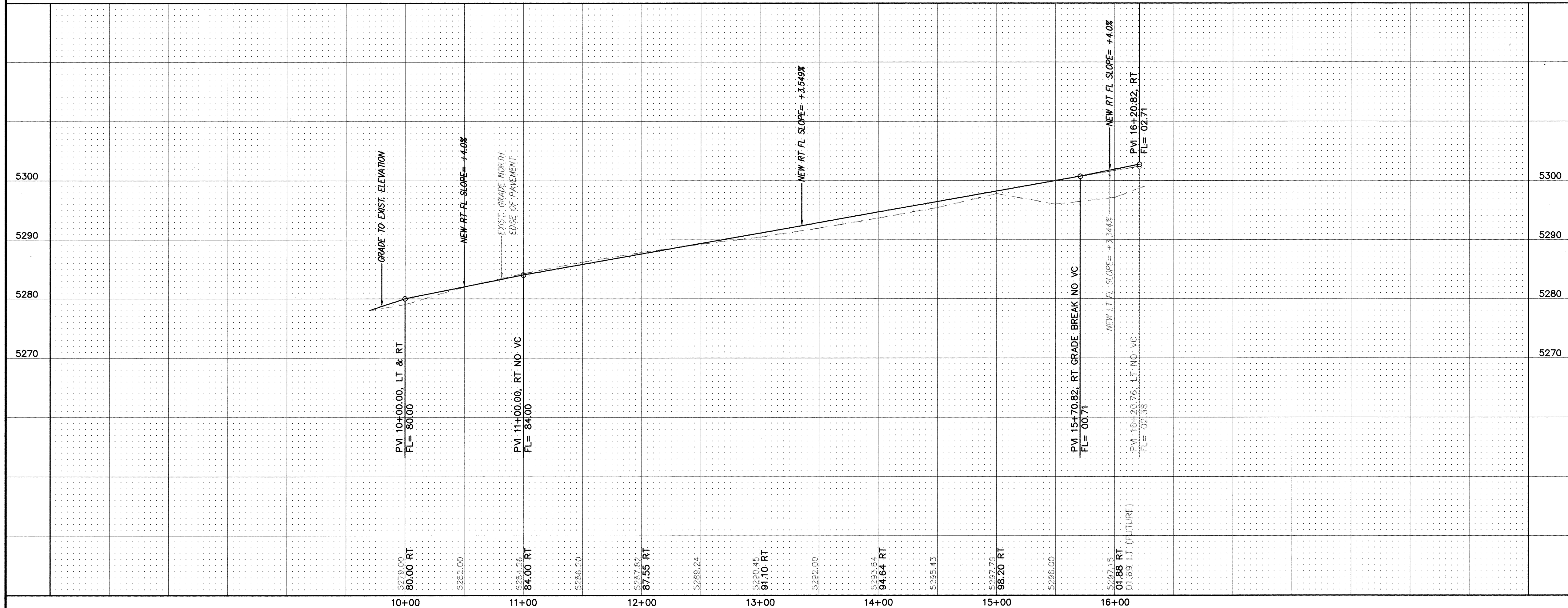
SCANNED BY
MESA REPRO

CURVE DATA - DESCRIBES FACE OF NEW CURB

- ① $\Delta = 89^{\circ}54'29''$
 $R = 25.00'$
 $L = 39.23'$
 $T = 24.96'$
- ② $\Delta = 90^{\circ}05'31''$
 $R = 25.00'$
 $L = 39.31'$
 $T = 25.04'$



MODESTO AVENUE
STA. 10+00.00 TO STA. 16+59.79
SCALE: HORIZ. 1" = 50'
VERT. 1" = 10'



NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
TITLE: **EAGLE ROCK ESTATES - UNIT IV
PAVING IMPROVEMENTS
MODESTO AVENUE**

DESIGN REVIEW COMMITTEE
APR 29 1998
DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

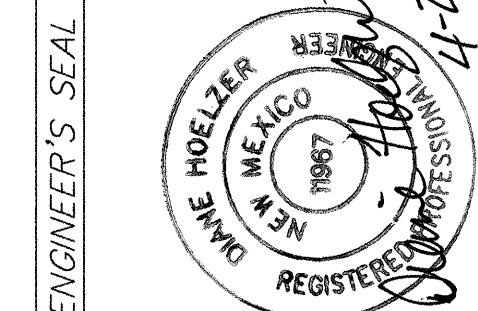
LAST DESIGN UPDATE

NO./DAY/YR. MO./DAY/YR.
DATE DATE
DESIGNED BY **DLH** DATE **03/98**
DRAWN BY **DBC, K/S** DATE **03/98**
CHECKED BY **DMG** DATE **03/98**

CITY PROJECT NO. **580184**

ZONE MAP NO. **C-18**

SHEET **9** OF **16**



NOTE: SEE FILED PLAT
FOR FINAL LOT
LOCATIONS

SURVEY INFORMATION

FIELD NOTES
NO. BY DATE

STANDARD ACS ALUMINUM CAP STAMPED "11-C18"

AS BUILT INFORMATION
CONTRACTOR **Van Klee**
WORK STAKED BY **Van Klee**
INSPECTOR'S DATE **4/19**
FIELD ENGINEER BY **DMG** DATE **4/19**
CORRECTED BY **DMG** DATE **4/19**
MICRO-FILM INFORMATION
RECORDED BY **DMG** DATE **4/19**
NO.



EAGLE ROCK ESTATES UNIT III
RESTRAINED JOINT LENGTH TABLE

14"x8" TEE - (6' RUN, 4'BR)
8"x6" TEE - (5' RUN 17'BR) OR (7' RUN 5'BR)
6"x6" TEE - (6' RUN 4'BR) OR (10' RUN 2'BR)
8" DEAD END - 85'
14" DEAD END - 135'
16"x14" REDUCER - 35'
6" 90° BEND - 17'
16" 90° BEND - 18'

7058UNI4\MUTIL-U4\03-19-98

LEGEND

PROPERTY LINE

NEW STANDARD CURB & GUTTER

NEW MOUNTABLE CURB & GUTTER

FUTURE CURB AND GUTTER

NEW WHEEL CHAIR RAMP
PER CITY STD. DWG. 2441 CASE II

NEW STORM DRAIN MANHOLE

NEW DROP INLET

NEW 30° STORM DRAIN

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 NO. 1

NEW SANITARY SEWER SERVICE

STREET ADDRESS

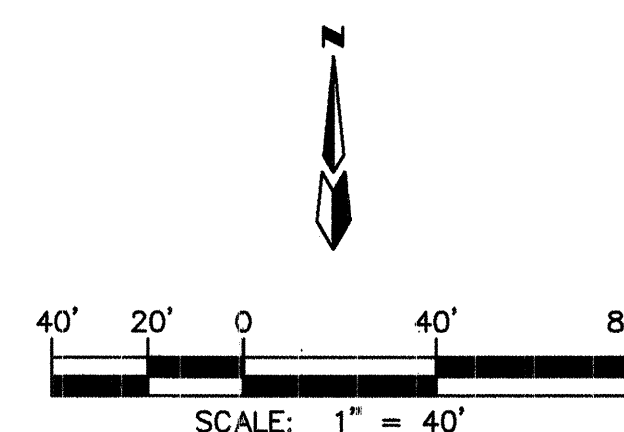
NEW OFFSITE PAVEMENT

INFRASTRUCTURE BUILT WITH UNIT 1 OR II

NOTES

- WATER SHUT OFF PLAN (C-18,19)**
- 1. CONTRACTOR WILL CONTACT WATER SYSTEMS AT 857-8200, FIVE (5) DAYS PRIOR TO NECESSARY SHUT-OFF.**
 - 2. VALVES SHALL ONLY BE OPERATED BY CITY WATER EMPLOYEES.**
 - 3. A NON-PRESSURE CONNECTION TO THE EXISTING 8" WL. AT THE EAGLE ROCK AVE/OBSIDIAN STREET INTERSECTION WILL BE MADE AT GV(A).**
 - 4. A NON-PRESSURE CONNECTION TO THE EXISTING 8" WL IN MODESTO AVE. WEST OF LOUISIANA BLVD. WILL BE MADE BY SHUTTING OFF GV(B) AND GV (C) AT THE LOCATIONS SHOWN ON THIS MASTER UTILITY SHEET.**

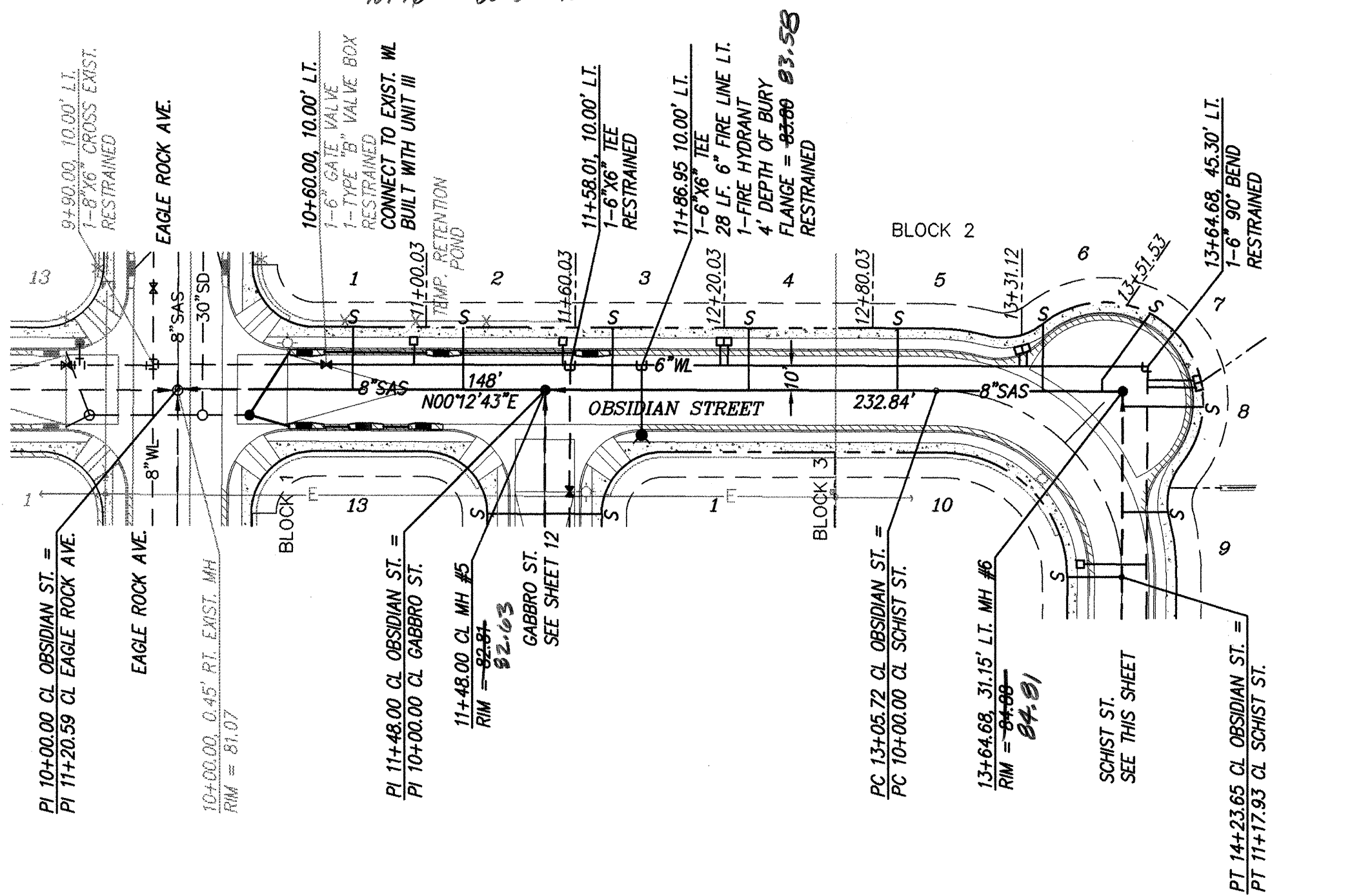
{ NOTE: SEE FILED PLAT FOR
FINAL LOT LOCATIONS



D

SANITARY SEWER SERVICES BLOCK 2				
LOT	STA.	INV. ELEV. @ PL	LENGTH @ PL	INV. ELEV. @ M.H.
1	10+70.50	5278.31	25.00'	N/A
2	11+75.00	5278.26	25.00'	N/A
3	11+75.00	5278.65	25.00'	N/A
4	12+30.00	5278.68	25.00'	N/A
5	12+30.00	5278.84	25.00'	N/A
6	13+44.68	5280.00	25.00'	N/A
7	13+68.00	5280.70	32.61'	N/A
8	13+68.00	5281.75	18.59'	N/A
9	14+00.00	5281.75	18.59'	N/A

BLOCK 2



OBSIDIAN STREET
STA. 9+90.00 TO STA. 14+23.65
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'

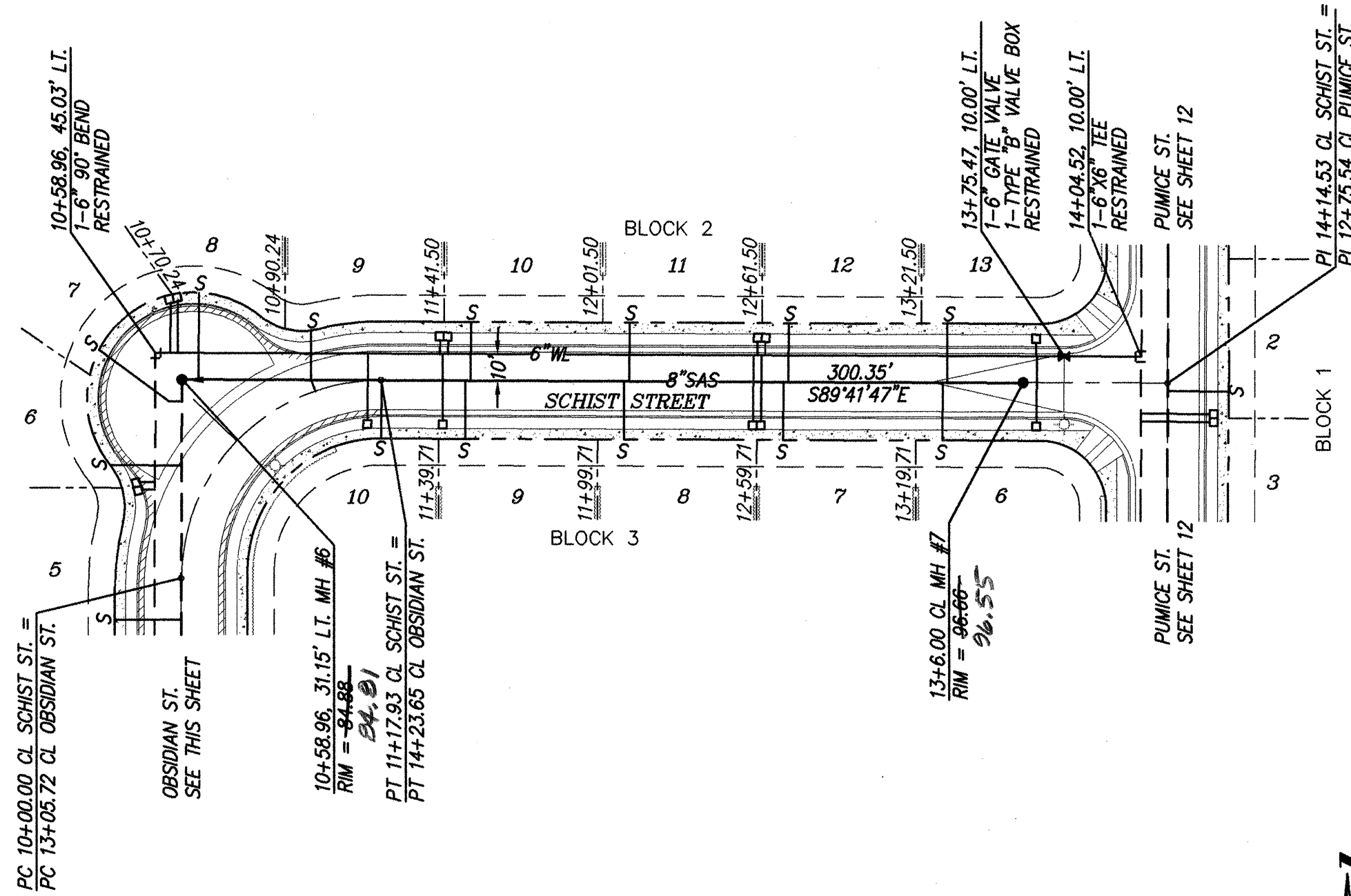
SANITARY SEWER SERVICES BLOCK 2				
LOT	STA.	INV. ELEV. @ PL	LENGTH @ PL	INV. ELEV. @ M.H.
5	9+84.50	5079.34	25.00'	N/A
6	10+39.00	5079.66	26.84'	N/A
7	10+39.00	5080.24	37.48'	N/A
8	10+62.00	5080.54	32.89'	N/A
9	12+90.00	5081.76	18.59'	N/A
10	11+51.50	5081.12	22.00'	N/A
11	12+11.50	5086.78	22.00'	N/A
12	12+11.50	5088.92	29.00'	N/A
13	13+31.50	5091.18	22.00'	N/A

SANITARY SEWER SERVICES BLOCK 3				
LOT	STA.	INV. ELEV. @ PL	LENGTH @ PL	INV. ELEV. @ M.H.
6	13+29.50	5281.24	22.00'	N/A
7	12+69.50	5288.84	22.00'	N/A
8	12+09.50	5286.44	22.00'	N/A
9	11+49.50	5284.04	22.00'	N/A
10	11+18.00	5282.78	22.00'	N/A

BLOCK 2

BLOCK 3

9	10+57	20.30	42'	1	10+95	82.00	34'
10	10+76	20.50	42'	2	11+60	84.20	32'
11	10+97	81.30	28'	3	12+10	86.20	32'
12	11+33	83.10	32'	4	12+60	88.20	32'
13	11+78	84.90	32'	5	13+10	90.20	32'
14	12+23	86.75	32'	6	13+60	92.20	32'
15	12+68	88.50	32'				
16	13+13	90.30	32'				
17	13+61	92.20	32'				



SCHIST STREET
STA. 10+00.00 TO STA. 14+14.53
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'

NOTES

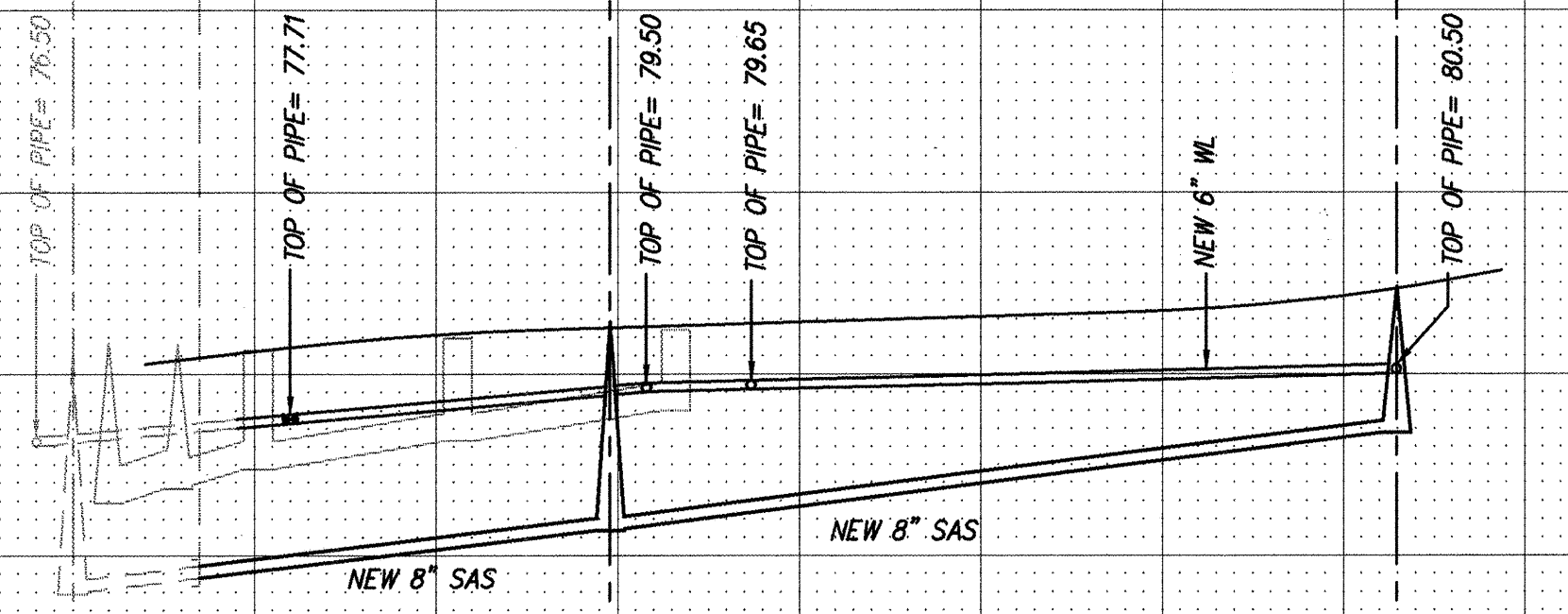
1. ALL STATIONING IS CENTERLINE STATIONING.

FILED
NOTE: SEE PLAT FOR
REVISED LOT LINE
LOCATIONS.

35 LF EX. 8" PVC SAS
SLOPE = +2.271%

113 LF NEW 8" PVC SAS
SLOPE = +2.271%

232.84 LF NEW 8" PVC SAS
SLOPE = +2.271%

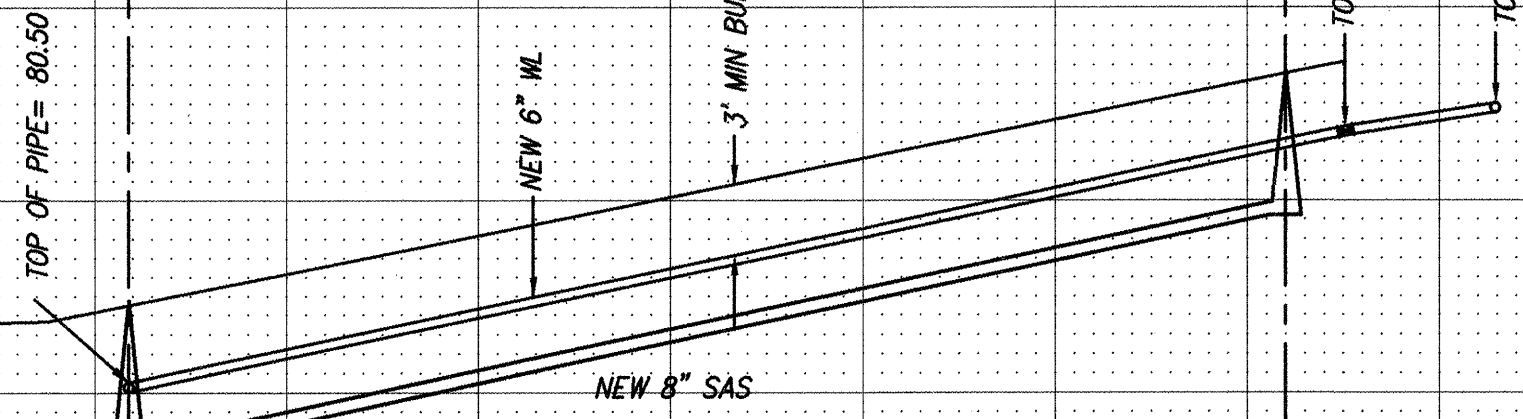


10+00.00 EXIST. MH
INV(S)=76.50
INV(N)=68.00
INV(N)=68.00
RM=81.07

11+48.00 CL MH #5
NEW 4" DIA TYPE E MH
INV(S)=71.55
INV(N)=71.55
INV(N)=71.55
RM=82.81

13+64.68 CL MH #6
NEW 4" DIA TYPE E MH
INV(S)=76.87
INV(N)=76.87
INV(N)=76.87
RM=84.88

317.19 LF NEW 8" PVC SAS
SLOPE = +3.902%



10+58.96 CL MH #7
NEW 4" DIA TYPE E MH
INV(S)=76.87
INV(N)=76.87
INV(N)=76.87
RM=84.88

13+60.00 CL MH #7
NEW 4" DIA TYPE E MH
INV(S)=80.10
INV(N)=80.10
INV(N)=80.10
RM=86.66



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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **EAGLE ROCK ESTATES - UNIT IV
UTILITY IMPROVEMENTS
OBSIDIAN STREET AND SCHIST STREET**

DESIGN REVIEW COMMITTEE
APR 29 1998
DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

LAST DESIGN UPDATE

NO.	DATE	REMARKS	BY
1	02/98	DESIGN	DLH
2	02/98	REVISIONS	DLH

CITY PROJECT NO.

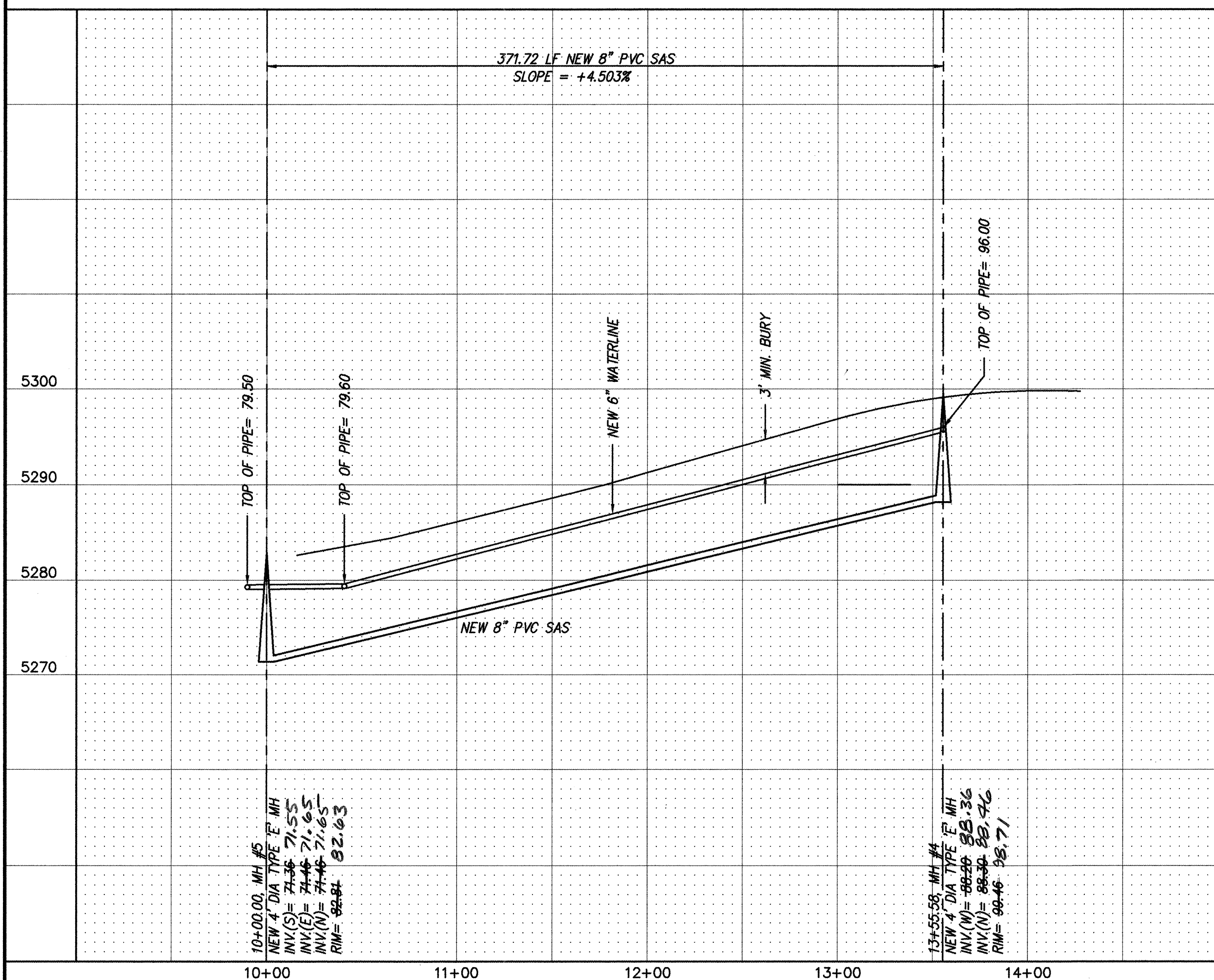
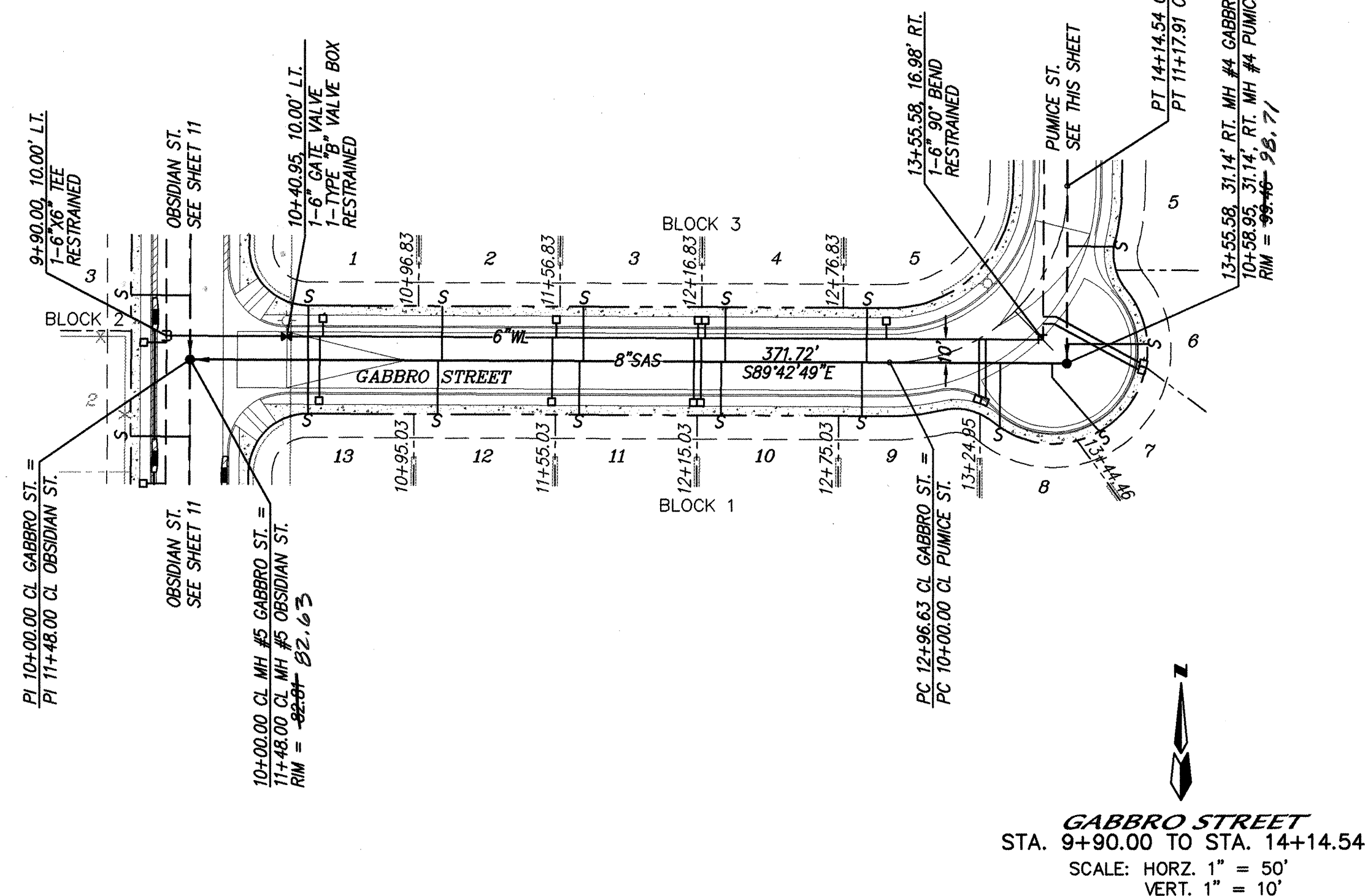
580184

ZONE MAP NO. C-18

SHEET 11 OF 16

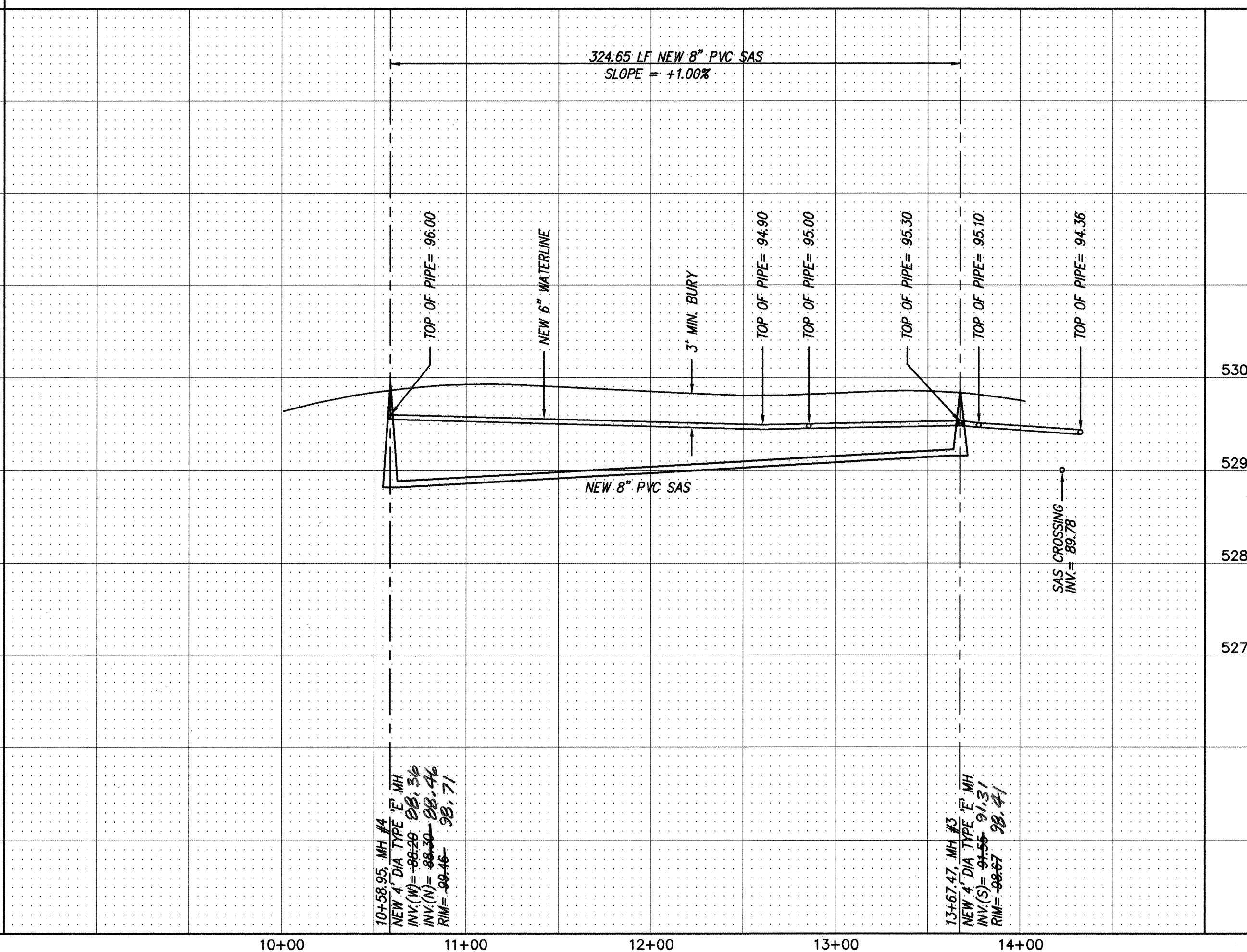
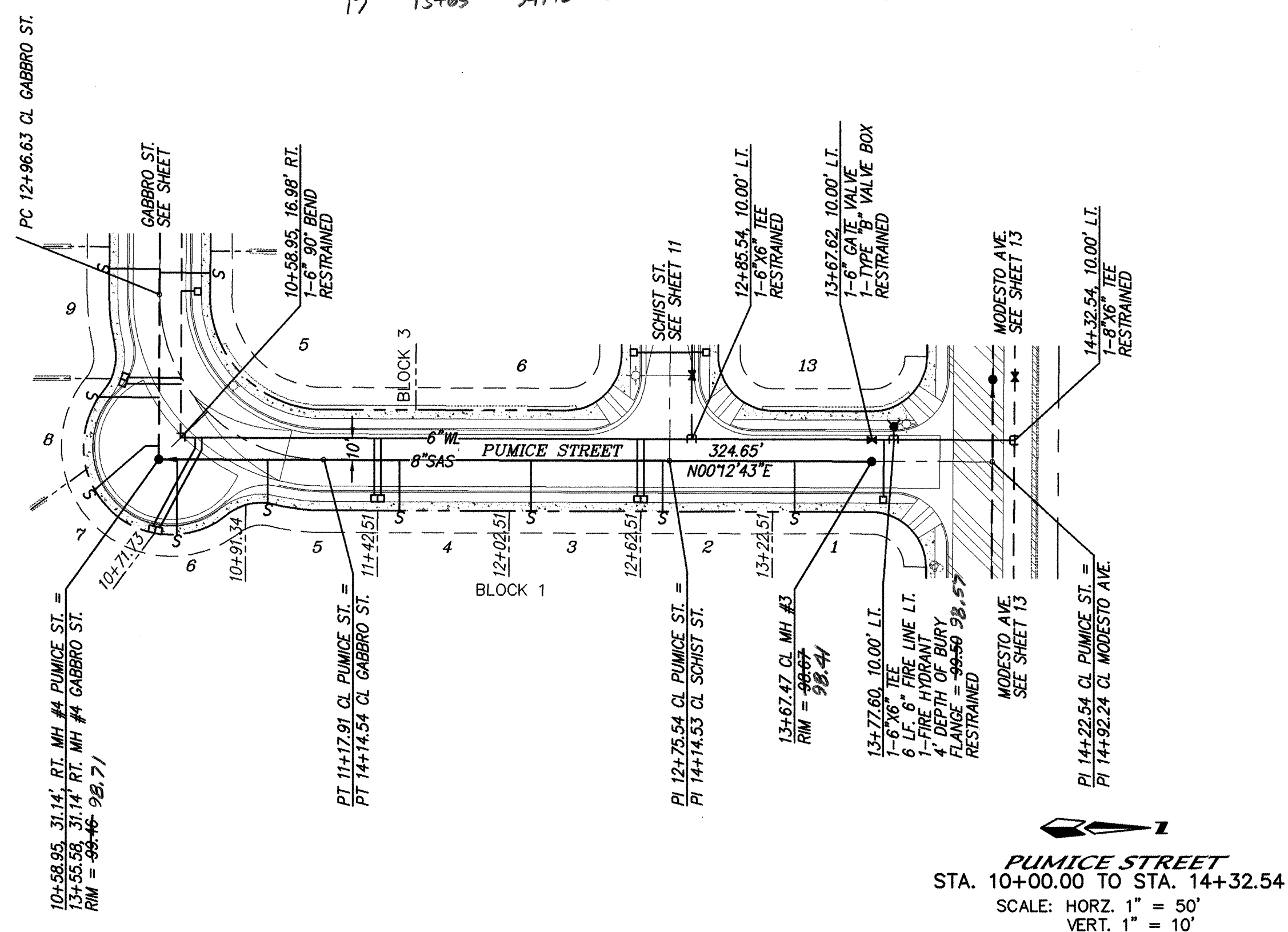
LOT	STA.	INV. ELEV. @ PL	LENGTH @ PL	INV. ELEV. @ M.P.
1	10+50.00	5279.48	23.00'	N/A
2	11+07.00	5282.33	23.00'	N/A
3	11+67.00	5285.33	23.00'	N/A
4	12+27.00	5288.86	23.00'	N/A
5	12+87.00	5291.96	23.00'	N/A

BLOCK 1			BLOCK 3		
1	10+55	79.60 33'	7	13+21	92.70 35'
2	11+03	81.30 33'	8	12+56	89.80 33'
3	11+48	84.20 33'	9	12+06	67.10 33'
4	11+93	86.50 33'	10	11+56	84.70 33'
5	12+38	89.00 33'	11	11+06	82.10 33'
6	12+83	91.55 33'	12	10+56	79.70 33'
7	13+19	93.60 30'			
8	13+38	95.70 44'			
9	13+55	96.20 44'			



SANITARY SEWER SERVICES BLOCK 1				
LOT	STA.	INV. ELEV. @ PL	LENGTH @ PL	INV. ELEV. @ M.H.
1	13+32.50	5294.59	23.00'	N/A
2	12+72.50	5294.70	23.00'	N/A
3	12+12.50	5294.83	23.00'	N/A
4	11+52.50	5294.93	23.00'	N/A
5	10+93.50	5295.17	19.86'	N/A
6	10+63.50	5294.69	34.17'	N/A
7	10+51.00	5294.35	36.62'	N/A
8	10+42.00	5294.36	27.28'	N/A

BLOCK 1			
10	10+45	96.40	44'
11	10+90	95.30	30
12	11+35	95.00	33'
13	11+80	94.60	33'
14	12+25	94.30	33'
15	12+70	94.50	33'
16	13+15	94.70	33'
17	13+65	94.10	33'



NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES					
		NO.	BY	DATE			
					STANDARD ACS ALUMINUM CAP STAMPED "11-C18"	CONTRACTOR	WORK
					X = 404,894.49	STARTED BY	STARTED BY
					Y = 1,523,837.39	INSPECTED BY	DATE
					Z = 5305.00	ACCEPTANCE BY	DATE
NO.	DATE	REMARKS	BY		FIELD	DATE	DATE
					DRAWINGS	DATE	DATE
					CORRECTED BY	DATE	DATE
					MICRO-FILM INFORMATION		
					RECORDED BY	DATE	
					NO.		

NOTE: SEE FILED PLAT FOR
FINAL LOT LOCATIONS

dm

MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
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ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ***EAGLE ROCK ESTATES - UNIT IV
UTILITY IMPROVEMENTS
GABBRO STREET AND PUMICE STREET***

DESIGN REVIEW COMMITTEE
APPROVED
APR 29 1998
DESIGN
REVIEW COMMITTEE

5	CITY ENGINEER APPROVAL
---	------------------------

LAST DESIGN UPDATE

MO./DAY/YR.

MO./DAY/YR

CITY PROJECT NO

580184

ZONE MAP NO.
C-18

SHEET OF
12 16

9+90.00 CL
1-8" SAS CAP
BLOCKING

9+90.00 CL
1-8" W. CAP
BLOCKING

10+00.00 CL MODesto AVE.

10+05.00 CL MH #1
RIM = 49.00'
20.39

449.50' 8" SAS 8" W. 10' 8" SAS

MODesto AVENUE N.E.

14+54.50 CL MH #2
RIM = 49.00'
20.62

14+53.31, 10.00' L.T.
1-8" GATE VALVE
RESTRAINED

14+82.24, 10.00' L.T.
1-8" GATE VALVE
RESTRAINED

PUMICE ST.
SEE SHEET

14+92.24 CL MODesto AVE. =
PI 14+22.54 CL PUMICE ST.

15+90.87, 10.00' L.T.
1-8" GATE VALVE
RESTRAINED

16+10.98 CL SAS
REMOVE CAP AND TIE TO
EXIST. 8" SAS STUB

16+10.98, 10.00' L.T.
TIE TO EXIST. 8" W. STUB

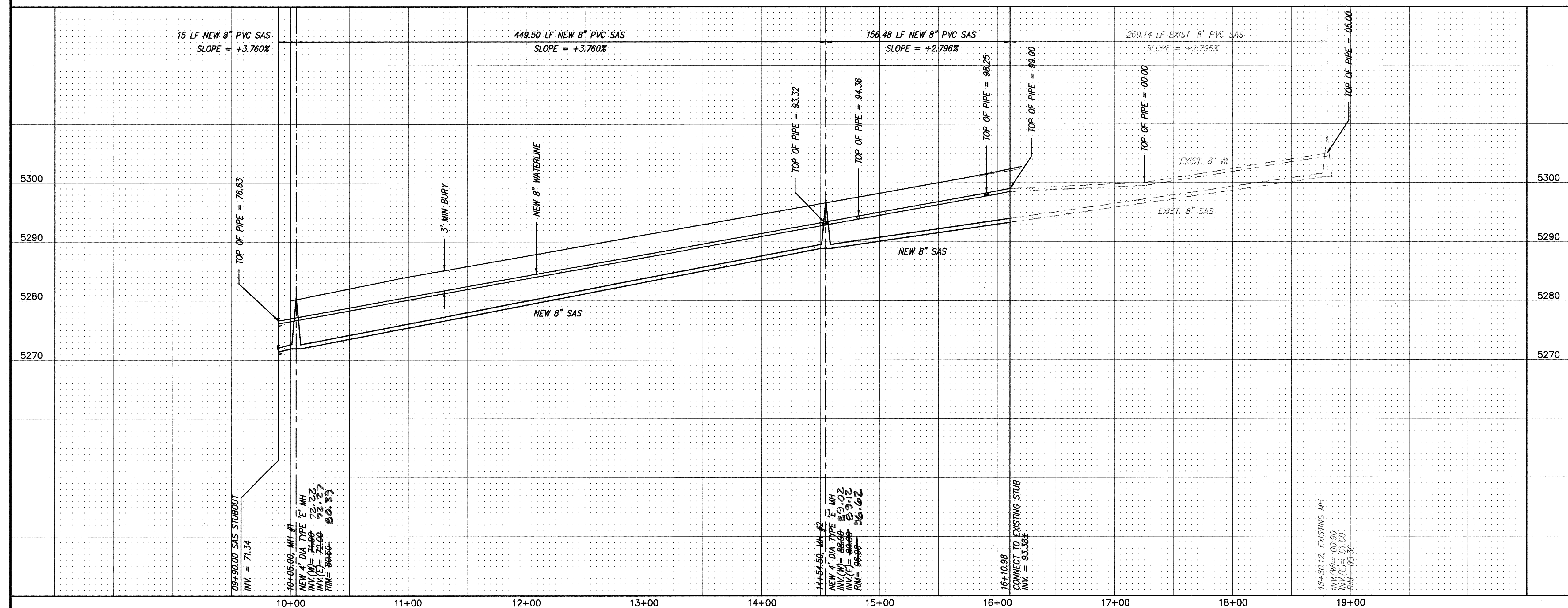
LOUISIANA BLVD. N.E.

EXIST. 8" W. (BUILT W/ UNIT III)
EXIST. 8" SAS

PI 16+59.79 CL MODesto AVE.
CL LOUISIANA BOULEVARD

7 8 9 10 11 12 13 14 15 16

BLOCK 2



SURVEY INFORMATION			BENCH MARKS		AS BUILT INFORMATION	
FIELD NOTES			STANDARD ACS ALUMINUM CAP STAMPED "11-C18"			
NO.	BY	DATE				
			X = 404.894.49	CONTRACTOR	Franklin	
			Y = 1523837.39	WORK STAKED BY	J.S. INC	
			Z = 5305.00	INSPECTOR'S DATE	6/99	
				FIELD RANGE BY	J.S. INC	
				VERIFICATION BY	J.S. INC	
				DATE CORRECTED BY	6/99	
				MICRO-FILM INFORMATION		
				RECORDED BY	DATE	
				NO.		

A circular professional engineer seal for Dane Hoelzer, State of New Mexico, No. 11867. The seal is dated 4-20-98. The text "DANE HOELZER" is on the left, "NEW MEXICO" is at the bottom, and "REGISTERED PROFESSIONAL ENGINEER" is on the right. The number "11867" is in the center.

BY		
NO.	DATE	REMARKS
REVISONS		
DESIGN		
DESIGNED BY	DLH	DATE 03/98
DRAWN BY	DBC, KJS	DATE 03/98
CHECKED BY	DMG	DATE 03/98

DESIGN REVIEW COMMITTEE
APPROVED
APR 29 1998
DESIGN
REVIEW COMMITTEE

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
580184	C-18	13	16

[illegible]

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	FIELD NOTES	DATE	BY	CONTRACTOR	DATE
				WORK STAINED BY <i>HS, INC</i>	DATE <i>6/11/04</i>
				INSPECTOR'S FIELD LABEL BY <i>MSB</i>	DATE <i>6/11/04</i>
				VERIFICATION BY <i>HS, INC</i>	DATE <i>6/11/04</i>
				CORRECTED BY <i>HS, INC</i>	DATE <i>6/11/04</i>
				MICRO-FILM INFORMATION	
				RECORDED BY	DATE
				NO.	

NOTE: SEE FILED PLAT FOR
FINAL LOT LOCATIONS

dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

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

**TITLE: *EAGLE ROCK ESTATES - UNIT IV
STORM DRAIN IMPROVEMENTS
OBSIDIAN STREET***

DESIGN REVIEW COMMITTEE APPROVED APR 29 1998 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.

CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

1. CONTRACTOR MUST OBTAIN FROM CONSTRUCTION COORDINATION AN EXCAVATION/BARRICADING PERMIT BEFORE ENGAGING IN ANY CONSTRUCTION, MAINTENANCE OR REPAIR WORK IN ANY OF THE CITY OF ALBUQUERQUE'S RIGHTS-OF-WAY. EMERGENCY WORK THAT WOULD PRESERVE LIFE OR PROPERTY IS EXCLUDED WITH THE UNDERSTANDING, THAT A PERMIT SHALL BE OBTAINED WITHIN 24 TO 48 HOURS.

2. CONTRACTOR SHALL AT THE TIME OF PERMIT REQUEST, SUBMIT FOR APPROVAL BY CONSTRUCTION COORDINATION, A TRAFFIC CONTROL PLAN DETAILING ALL EXISTING TOPOGRAPHY SUCH AS LANE WIDTHS, DRIVEWAYS, AND BUSINESS/RESIDENTIAL ACCESSES. THE TRAFFIC CONTROL PLAN SHALL INCLUDE ALL PHASES OF WORK AND SCHEDULES INVOLVED IN THE CONSTRUCTION PROJECT. ANY SEPARATE PHASES OF A CONSTRUCTION PROJECT SHALL BE GIVEN AN INDIVIDUAL PERMIT EACH. BLANKET PERMITS WILL NOT BE ISSUED.

3. THESE TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, LANE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.

4. CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.

5. CONSTRUCTION COORDINATION SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY TRAFFIC CONTROL CHANGES NEEDED BY CONTRACTOR, THAT WERE NOT PREVIOUSLY APPROVED. THESE TRAFFIC CONTROL CHANGES SHALL BE REQUESTED IN WRITING ACCOMPANIED WITH A TRAFFIC CONTROL PLAN REFLECTING SUCH CHANGES.

6. ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION, PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

7. THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET-UP SHALL BE BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED WORKSITE TRAFFIC SUPERVISOR. THE MAINTENANCE AND SERVICING SHALL ALSO BE DONE BY AN ATSSA CERTIFIED WORKSITE TRAFFIC SUPERVISOR OR EQUIVALENT.

8. CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT. CONTRACTOR IS RESPONSIBLE THAT ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE MUTCD, LATEST EDITION.

9. ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE ARE MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.

10. ALL BARRICADES IN ALL TAPERS AND TANGENTS SHALL BE PLACED APART, A DISTANCE MEASURED IN FEET, EQUAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY CONSTRUCTION COORDINATION PER MUTCD SECTION 6A-4.

11. ALL WORK IN ARTERIAL ROADWAYS SHALL BE ON A CONTINUOUS 24-HOUR PER DAY BASIS UNTIL COMPLETED.

12. CONTRACTOR IS RESPONSIBLE TO PROVIDE CONSTRUCTION COORDINATION, A WEEKLY LOG OF DAILY INSPECTIONS OF BARRICADE AND MAINTENANCE SCHEDULES ON PROJECTS THAT ARE OVER ONE WEEK DURATION.

13. EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELLED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.

14. CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.

15. CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.

16. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.

17. CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCTION COORDINATION. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE OPAQUE LETTERING ON BLUE REFLECTORIZED BACKGROUND. ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BID AND NOT PART OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSINESSES SHALL BE LISTED ON A ACCESS SIGN. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.

18. ALL ADVANCE WARNING SIGNS SHALL MEET THE MINIMUM REFLECTIVE INTENSITY REQUIREMENTS SET FORTH BY THE CITY OF ALBUQUERQUE. CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

19. 48 HOURS PRIOR TO OCCUPANCY OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.

20. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

21. EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.

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

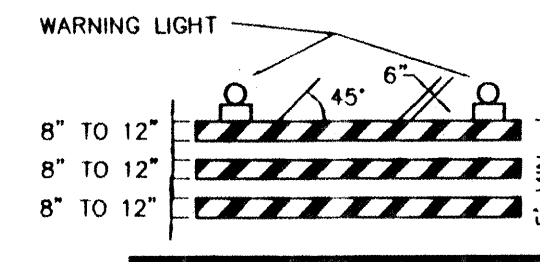
23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

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

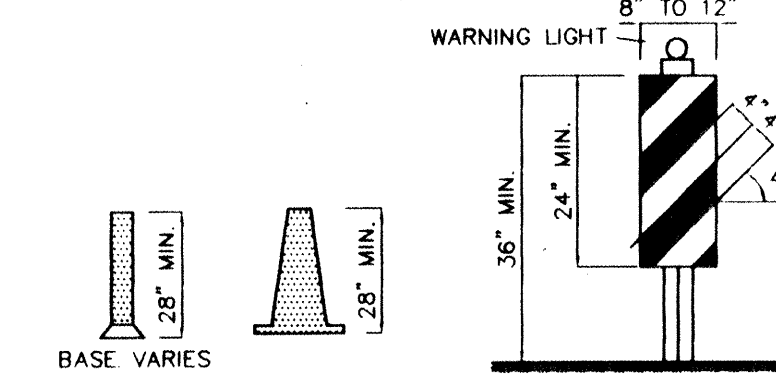
25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

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 M.U.T.C.D. 

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

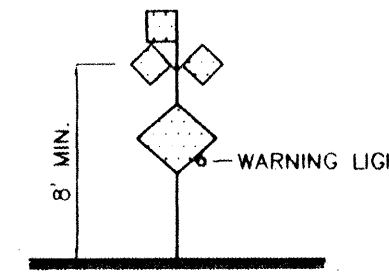


TYPE III BARRICADE

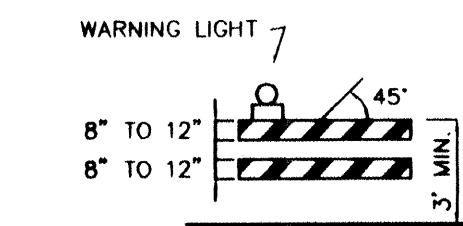


VERTICAL PANEL

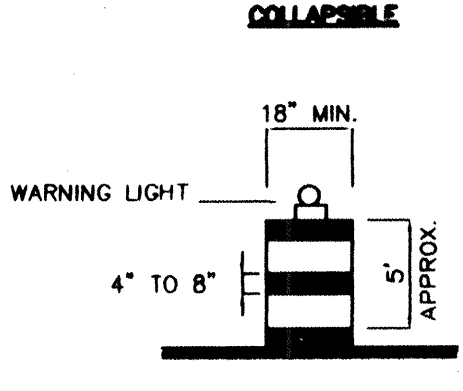
CONES



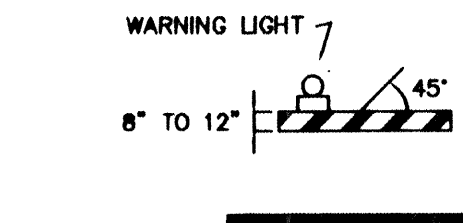
HIGH LEVEL WARNING DEVICE



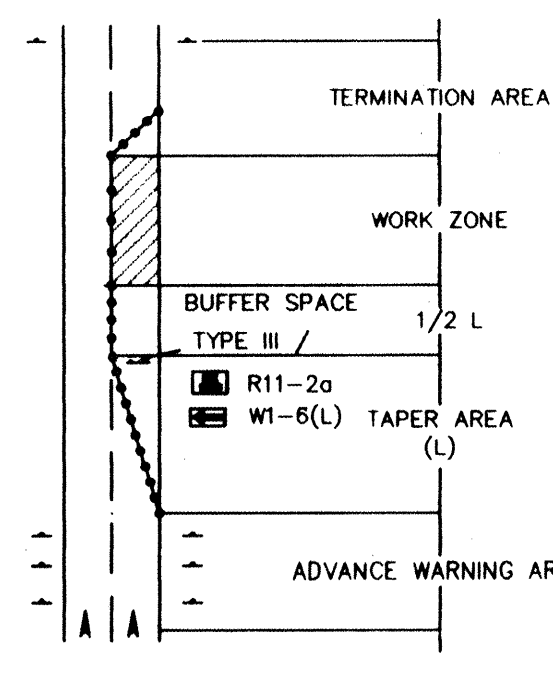
TYPE II BARRICADE



BARREL



TYPE I BARRICADE



TRAFFIC CONTROL ELEMENTS

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 REQUIREMENTS

SPEED LIMIT (MPH)	TAPER LENGTH (L) (FEET)			MINIMUM NUMBER OF DEVICES FOR TAPER	MAXIMUM DEVICE SPACING IN FEET	
	10' LANE	11' LANE	12' LANE		ALONG TAPER	AFTER TAPER
20	70	75	80	5	20	20
25	105	115	125	6	25	25
30	150	165	180	7	30	30
35	205	225	245	8	35	35
40	270	295	320	9	40	40
45	450	495	540	13	45	45
50	500	550	600	13	50	50
55	550	605	660	13	55	55

RECOMMENDED SIGN SPACING(D) FOR ADVANCE WARNING SIGN SERIES

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

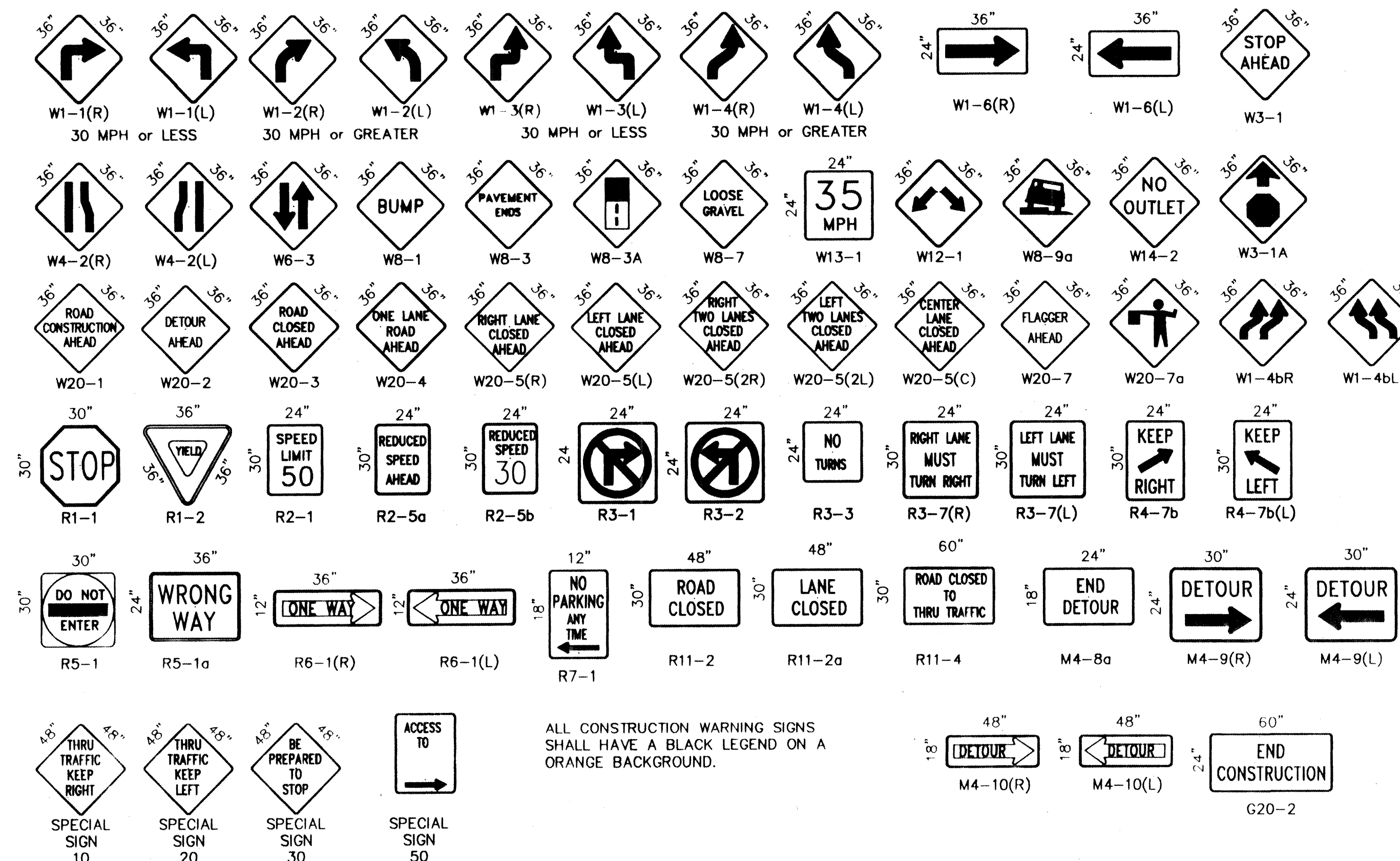
TAPER CRITERIA

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

TAPER LENGTH COMPUTATION

SPEED LIMIT	
40 MPH OR LESS	$L = \frac{WS^2}{60}$
45 MPH OR GREATER	$L = W \times S$
L = TAPER LENGTH W = WIDTH OF OFFSET IN FEET S = POSTED SPEED OR OFF-PEAK 85-PERCENTILE SPEED IN MPH	

SIGN FACE DETAILS



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

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		J.D.L.		ADD NOTE NO. 27		REVISED NOTE NO. 19		REVISED NOTE NO. 11		REVISED NOTE NO. 02		NO. DATE		REVISIONS		DESIGN		DATE		DATE		DATE	
CONTRACTOR: CHS, Inc.		DATE: 01-08-09		FIELD NOTES: CHS, Inc.		DATE: 01-08-09		NO. DATE		NO. DATE		NO. DATE		NO. DATE		NO. DATE		NO. DATE		NO. DATE		NO. DATE		NO. DATE		NO. DATE		NO. DATE	
STAMPED BY: CHS, Inc.		DATE: 01-08-09		FIELD NOTES: CHS, Inc.		DATE: 01-08-09		NO. DATE		NO. DATE		NO. DATE		NO. DATE		NO. DATE		NO. DATE		NO. DATE		NO. DATE		NO. DATE		NO. DATE		NO. DATE	
CORRECTED BY: CHS, Inc.		DATE: 01-08-09		FIELD NOTES: CHS, Inc.		DATE: 01-08-09		NO. DATE		NO. DATE		NO. DATE		NO. DATE		NO. DATE		NO. DATE		NO. DATE		NO. DATE		NO. DATE		NO. DATE		NO. DATE	
RECORDED BY: CHS, Inc.		DATE: 01-08-09		FIELD NOTES: CHS, Inc.		DATE: 01-08-09		NO. DATE		NO. DATE		NO. DATE		NO. DATE		NO. DATE		NO. DATE		NO. DATE		NO. DATE		NO. DATE		NO. DATE		NO. DATE	

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS**

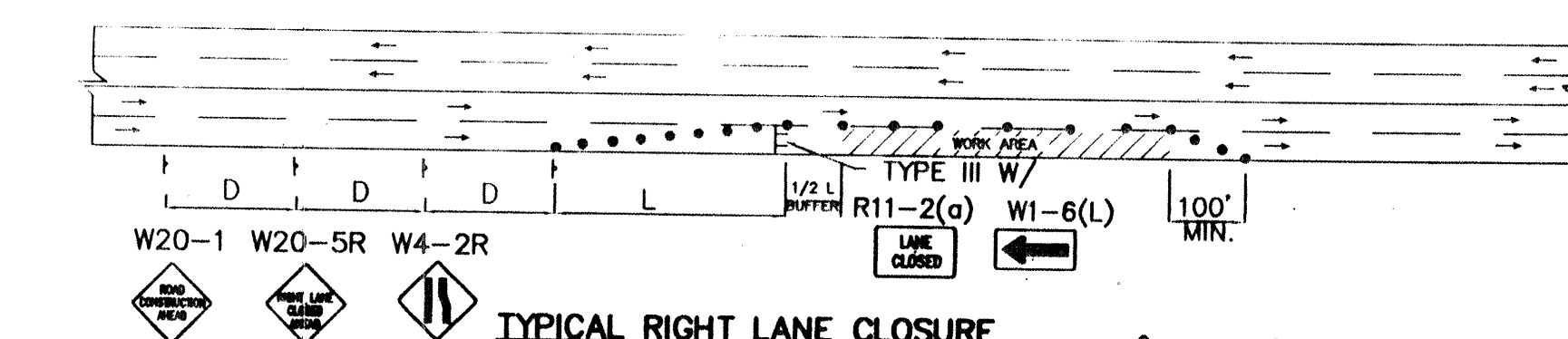
DESIGN REVIEW COMMITTEE: **COA Standard**

CITY ENGINEER APPROVAL: **COA Standard**

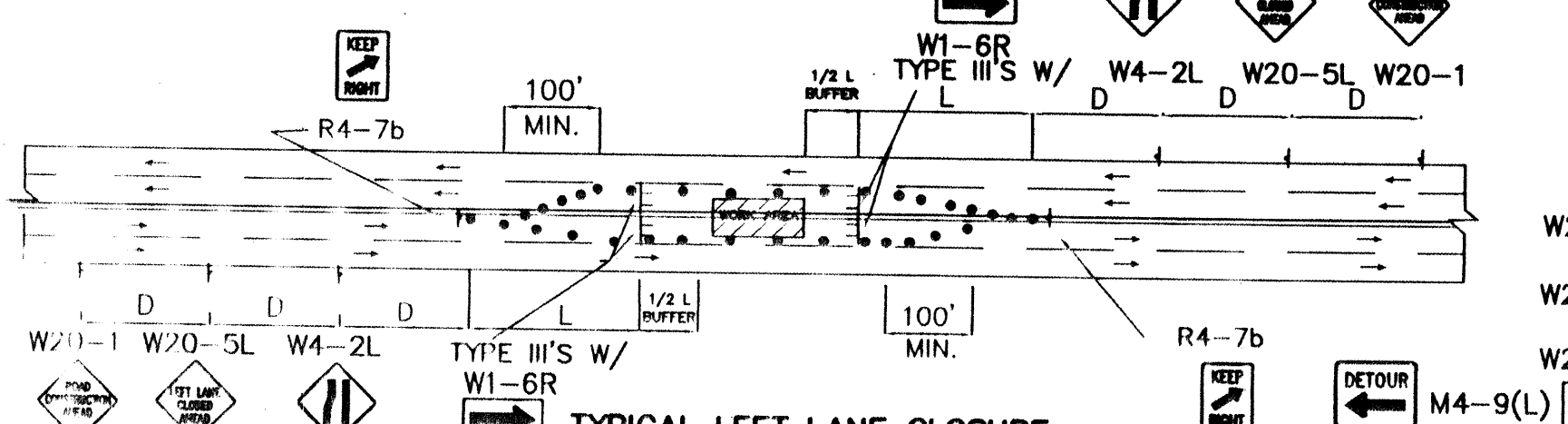
PROJECT NO.: **580184**

MAP NO.: **C-18**

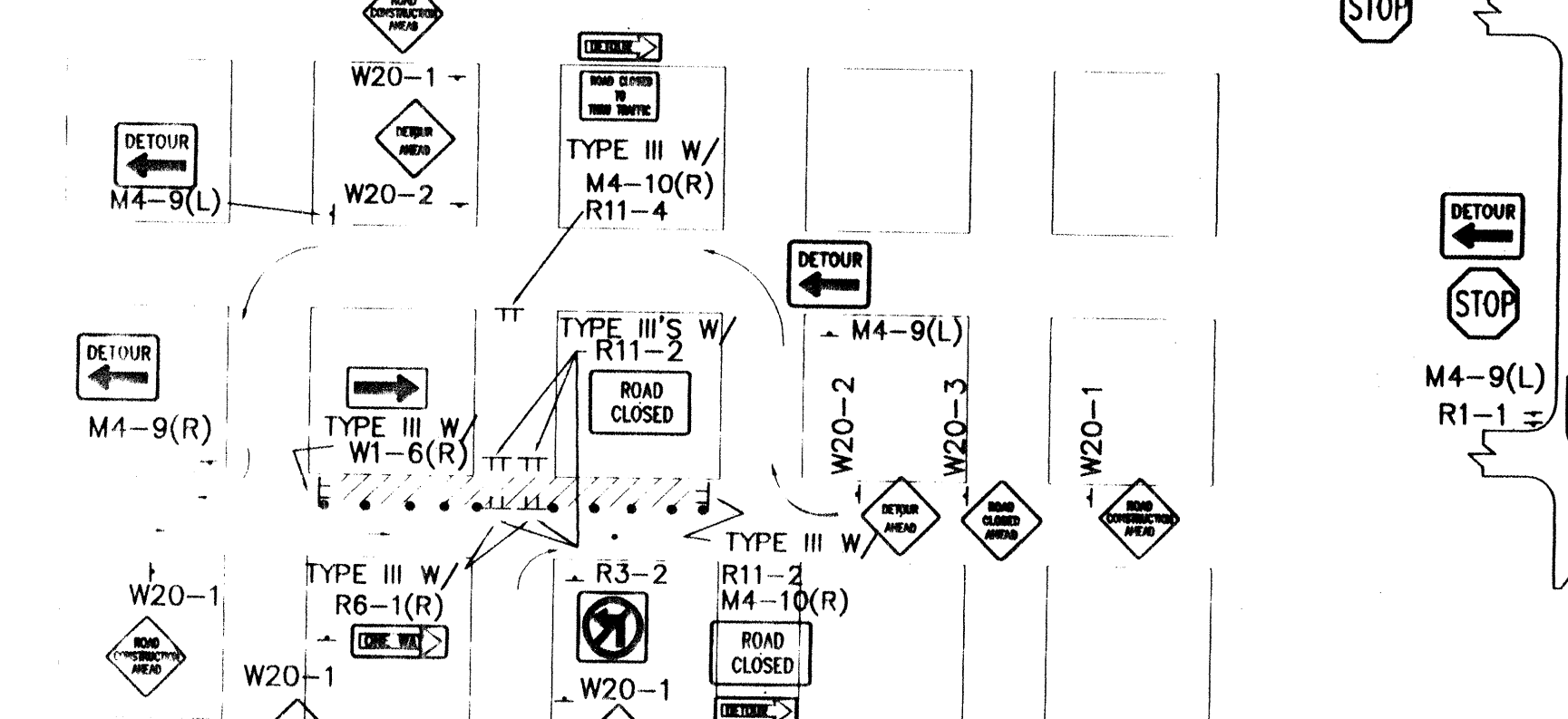
SHEET **15** OF **16**



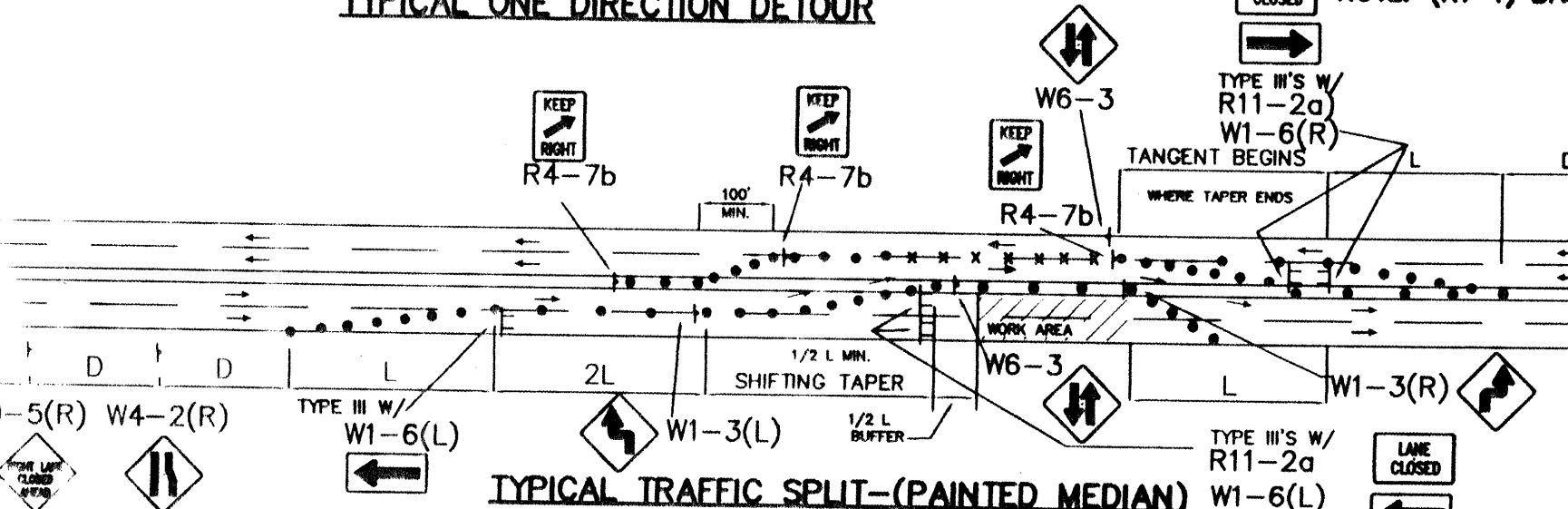
TYPICAL RIGHT LANE CLOSURE



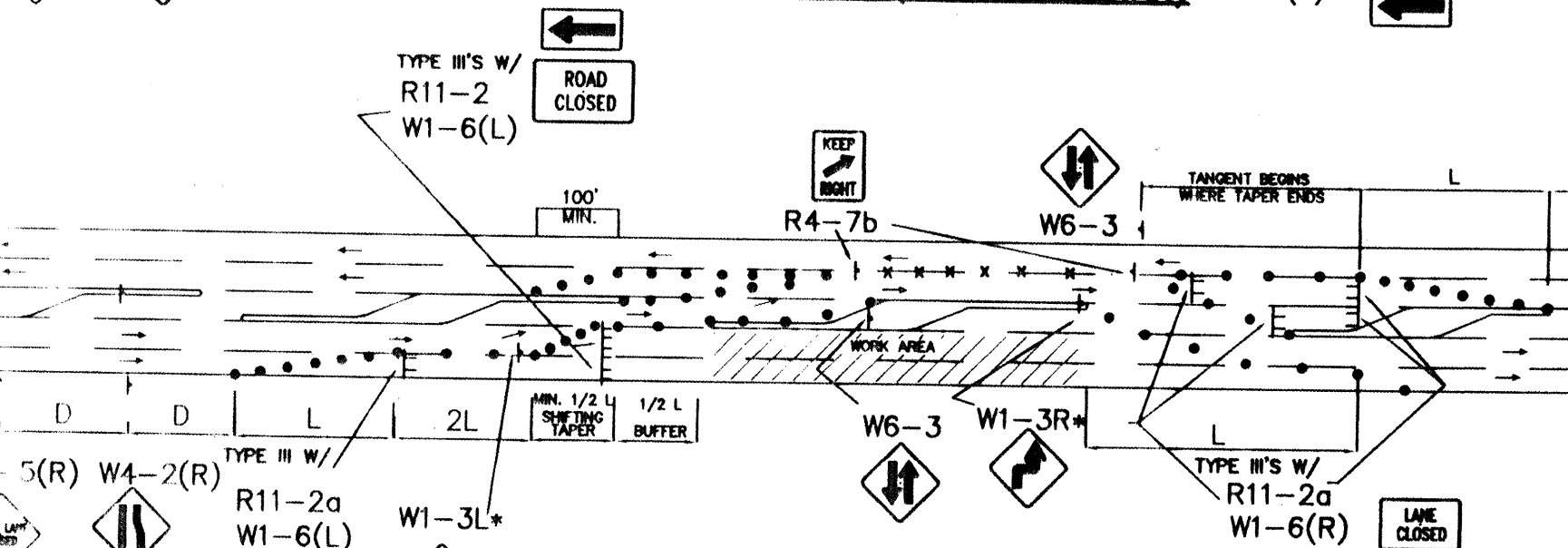
TYPICAL LEFT LANE CLOSURE



TYPICAL ONE DIRECTION DETOUR



TYPICAL TRAFFIC SPLIT-(PAINTED MEDIAN)



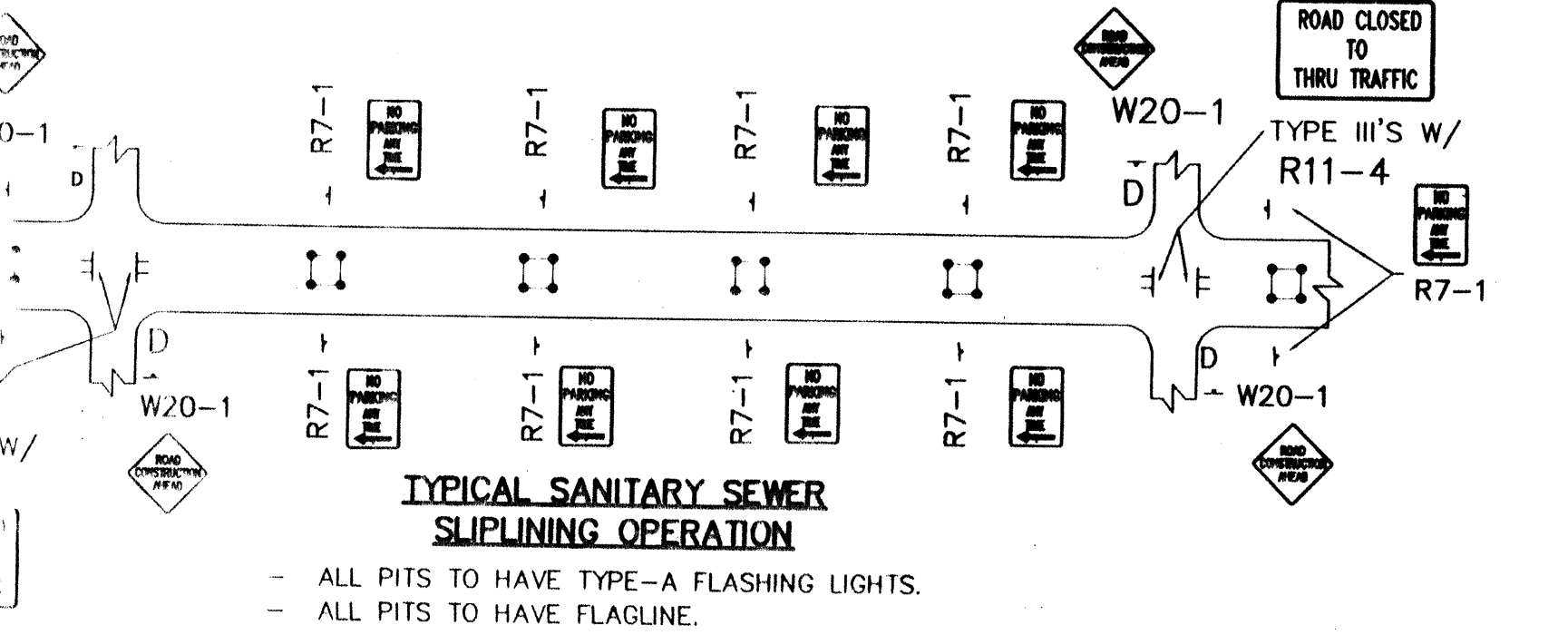
TYPICAL TRAFFIC SPLIT-(RAISED MEDIAN)

- TRAFFIC SPLIT NOTES:
1. THE OFFSET DISTANCE MUST BE CALCULATED IN ALL SHIFTING TAPERS. THE OFFSET DISTANCES SHALL INCLUDE LANE WIDTHS PLUS MEDIAN WIDTHS.
 2. 1/2 L IS MINIMUM DISTANCE FOR SHIFTING TAPERS.
 3. REVERSE CURVES MAY BE IMPLEMENTED. ALL CURVE DATA SHALL BE CALCULATED.
 4. MEDIAN REMOVAL SHALL BE REQUIRED IF 1/2 L OR REVERSE CURVE IS NOT SUFFICIENT. MEDIAN REMOVAL SHALL TAKE PLACE BEFORE SPLITS.
 5. REDUCED SPEED MAY BE CONSIDERED.
 6. * USE W1-3 FOR 30 MPH OR LESS, W1-4 FOR SPEED 35 MPH OR GREATER.

GENERAL NOTE:

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

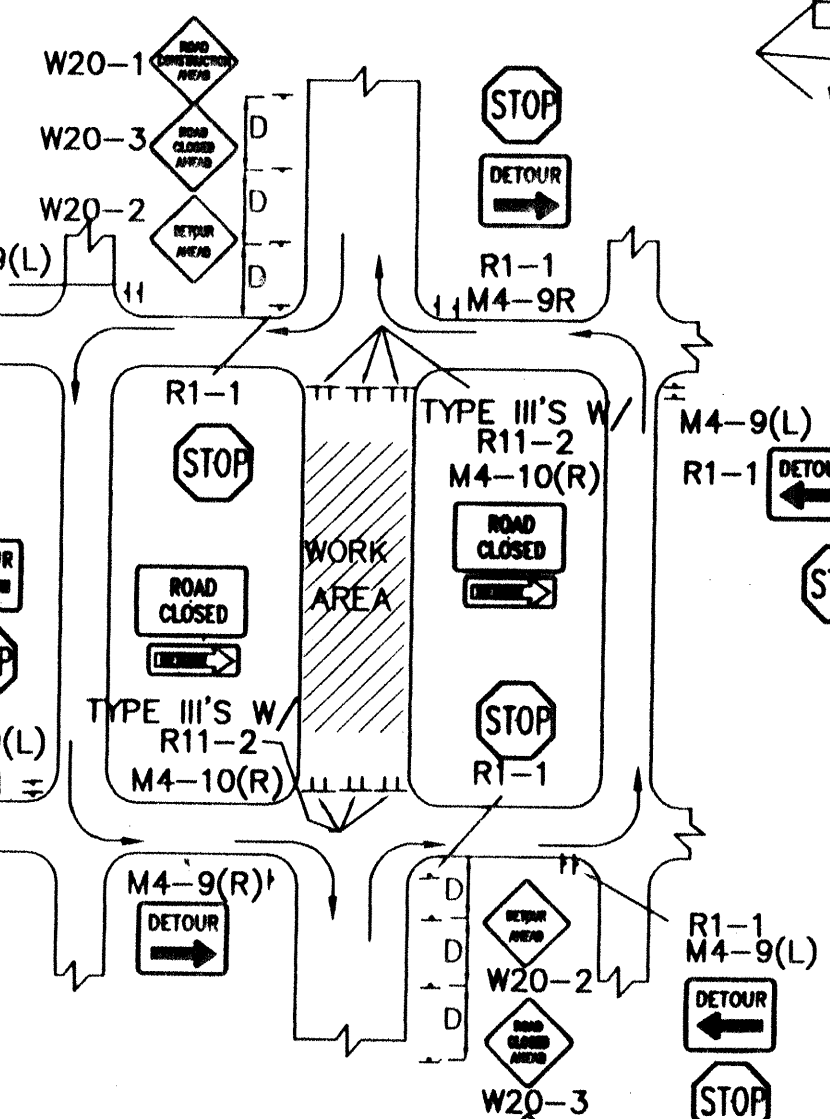
ALL ADVANCE WARNING SIGNS SHALL BE A MINIMUM OF 36" THIRTY SIX INCHES BY 36" THIRTY SIX INCHES IN SIZE AND SHALL HAVE ONE WARNING LIGHT.



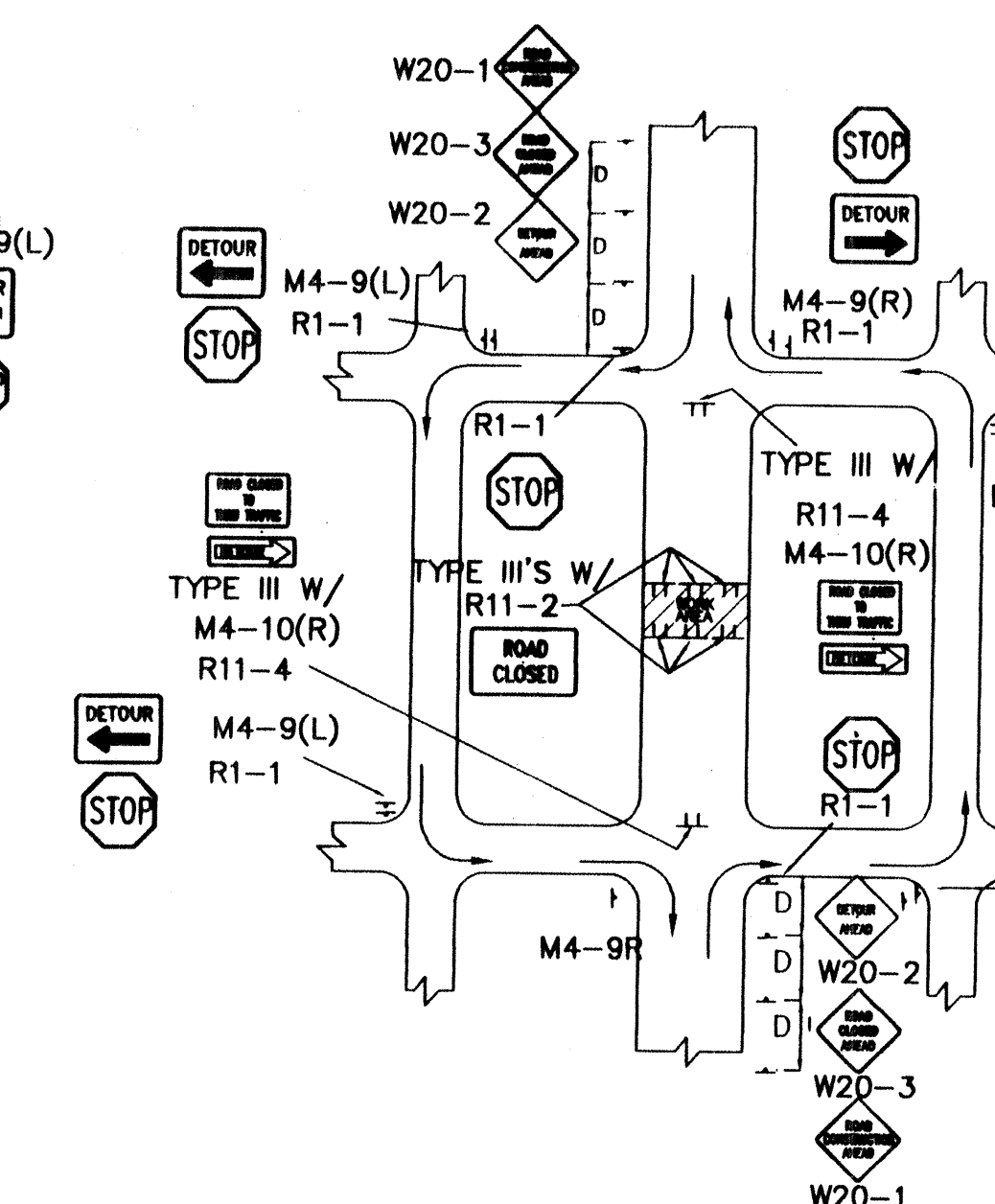
TYPICAL SANITARY SEWER
SNUBBING OPERATION

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

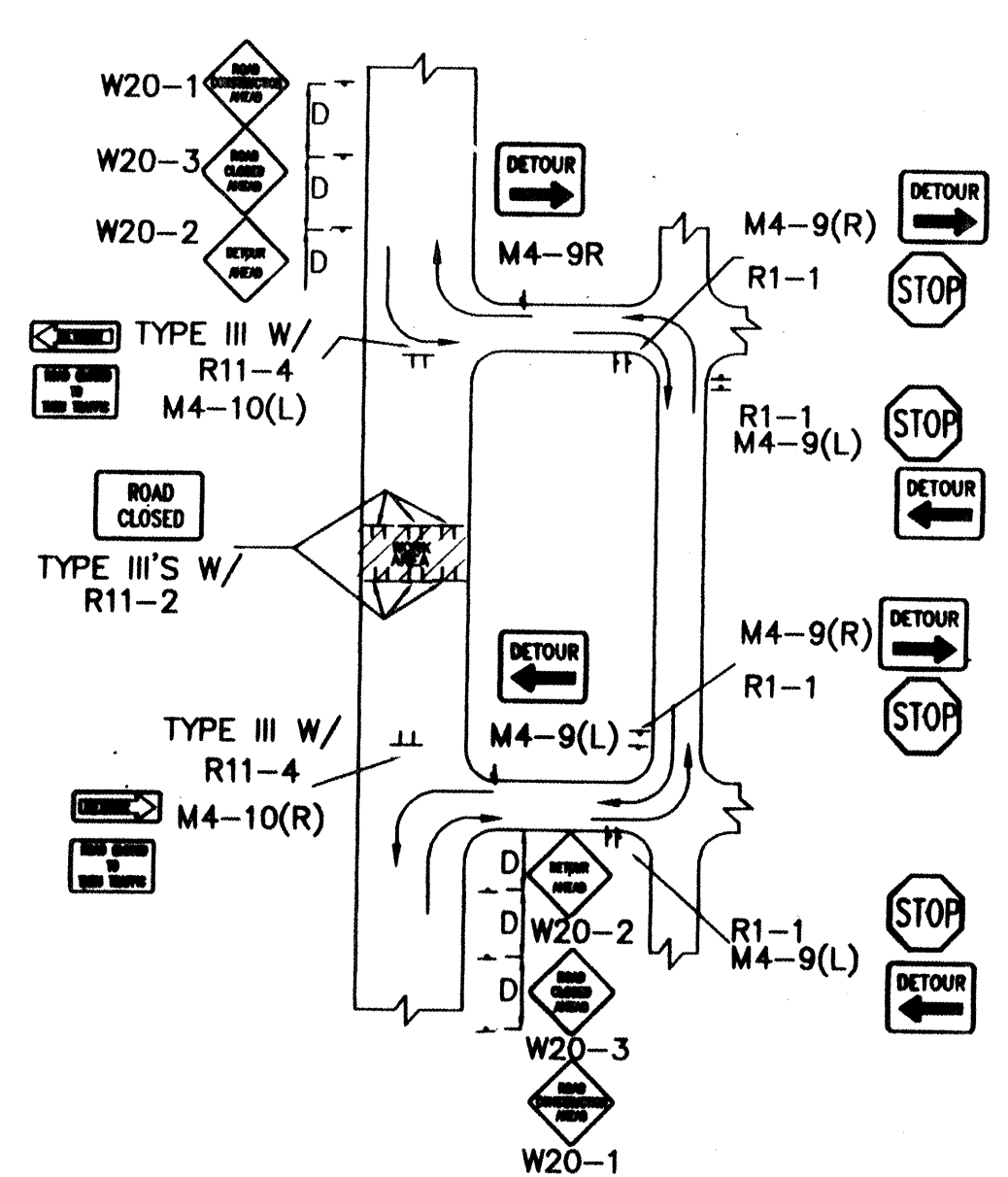
NOTE:
MAY REQUIRE LEFT LANE
CLOSURE DEPENDING ON
FIELD CONDITIONS.



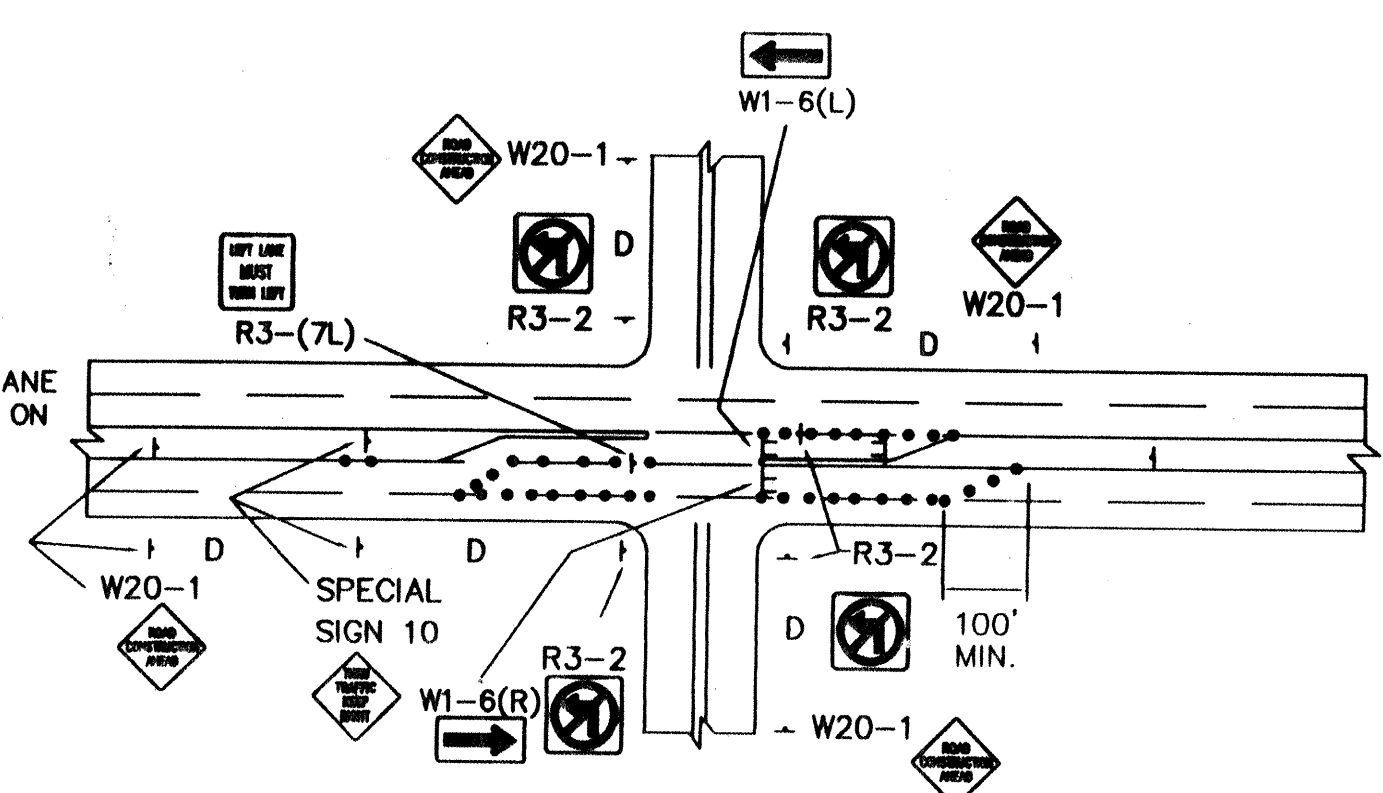
TYPICAL LANE CLOSURE AT INTERSECTION
NOTE: DEPENDING ON WORK ZONE LOCATION



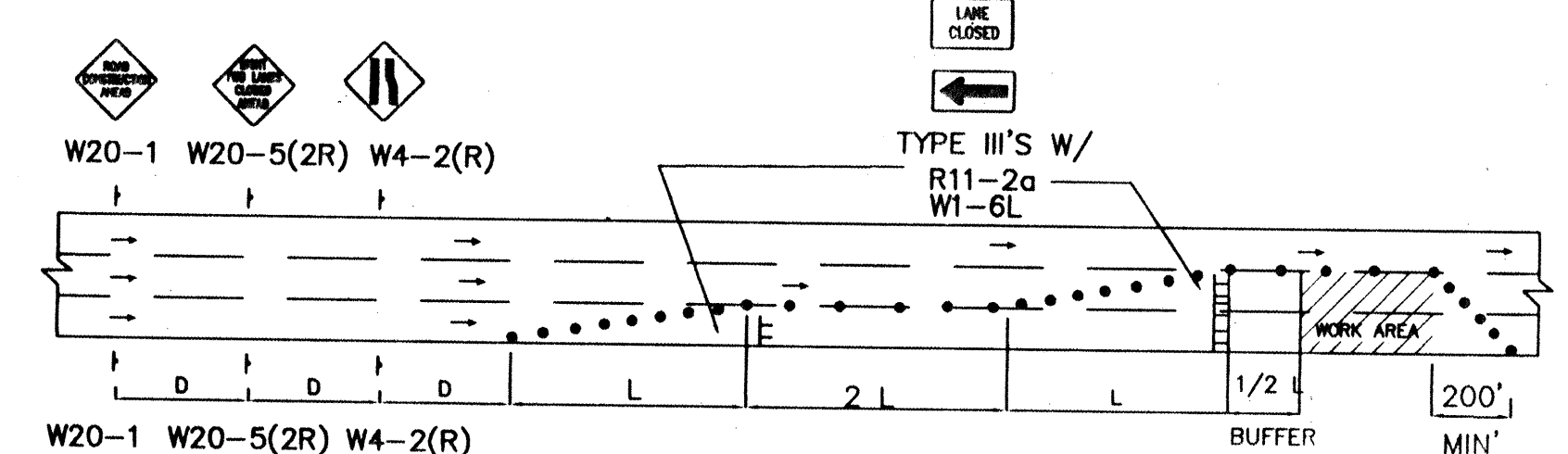
TYPICAL MID-BLOCK CLOSURE
NOTE: (R1-1) BASED ON FIELD CONDITIONS.



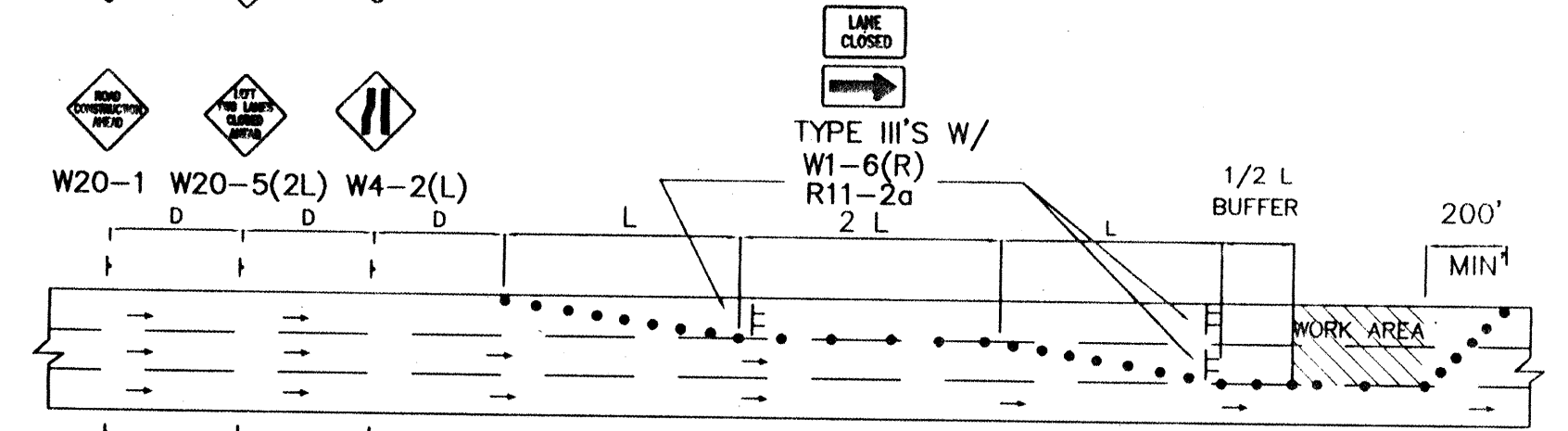
TYPICAL STREET CLOSURE
NOTE: (R1-1) BASED ON FIELD CONDITIONS.



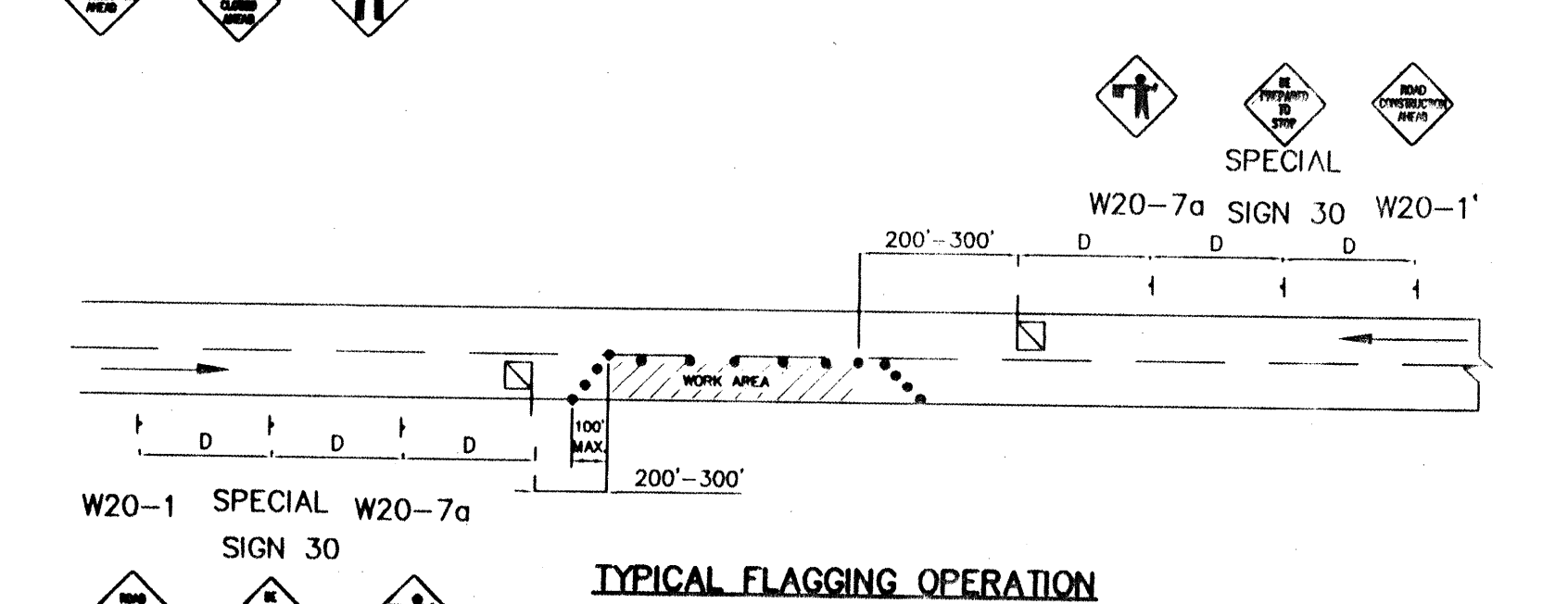
TYPICAL LANE CLOSURE AT INTERSECTION
NOTE: DEPENDING ON WORK ZONE LOCATION



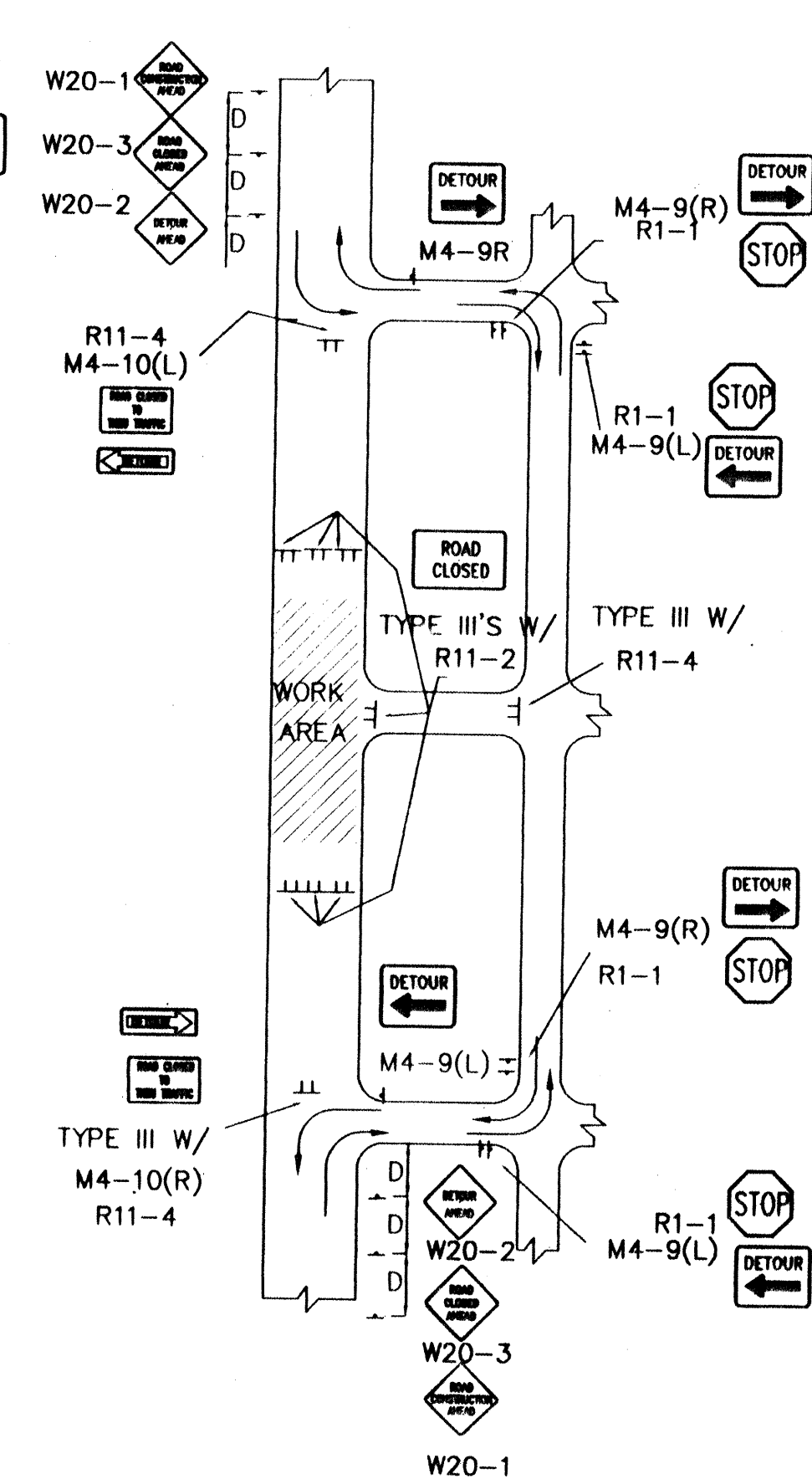
TYPICAL DOUBLE RIGHT LANE CLOSURE



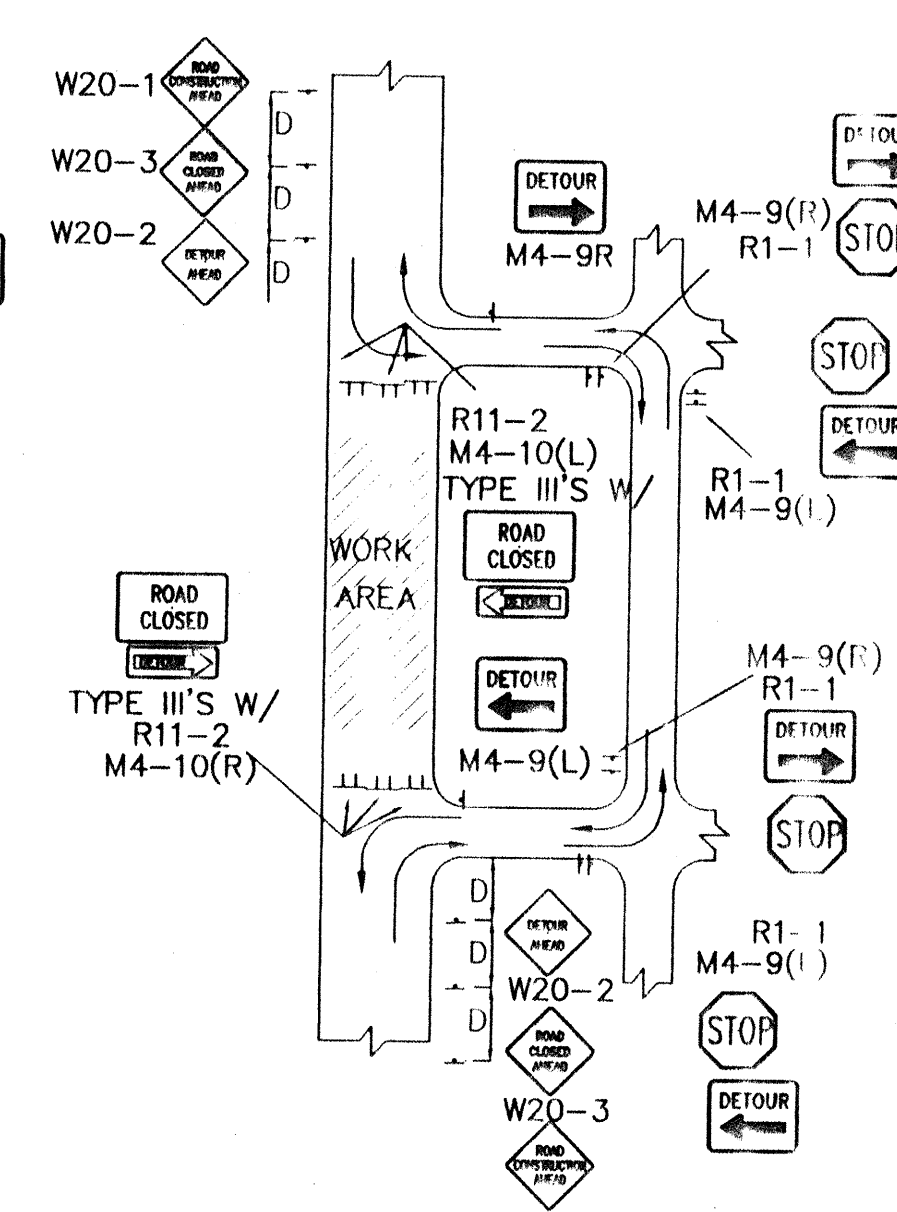
TYPICAL DOUBLE LEFT LANE CLOSURE



TYPICAL FLAGGING OPERATION



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



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

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	NO.	DATE	NO.	DATE	NO.	DATE
WORK BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE
ACCEPTANCE BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE
REVISIONS	DATE	NO.	DATE	NO.	DATE	NO.	DATE
DESIGNED BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE
DRAWN BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE
CHECKED BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF. M.U.T.C.D.)

DESIGN REVIEW COMMITTEE: CITY ENGINEER APPROVAL

PROJECT NO. 580184 MAP NO. C-18 SHEET 16 OF 16

COA Standard