

SCANNED
BY PLW

LAURELWOOD SOUTH SUBDIVISION

WESTLAND DEVELOPMENT CO., INC.
ALBUQUERQUE, NM

APRIL 21, 2003

26-6994-811 06

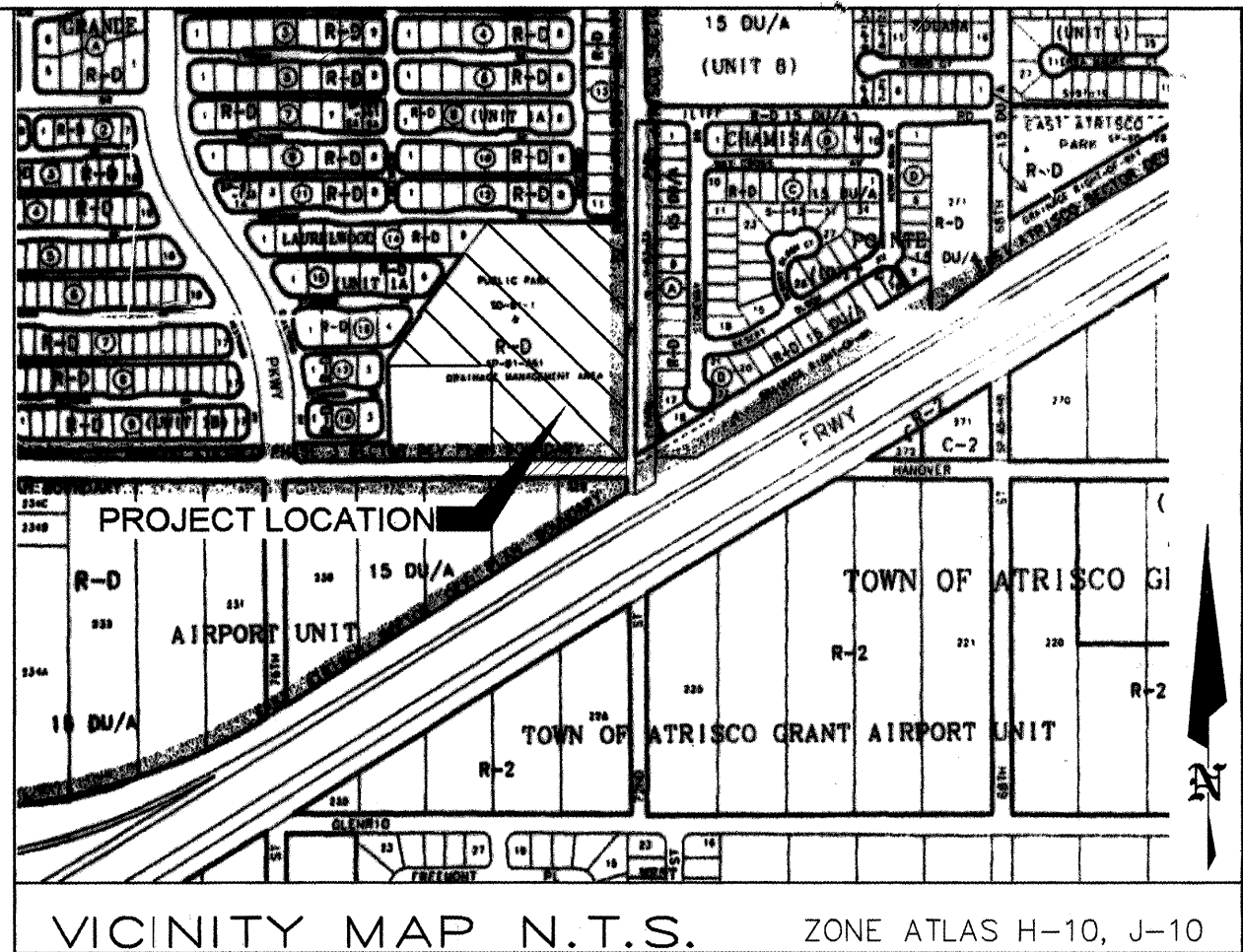
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ELEVATION ARE IN INTERIM NAVD 88
DATUM. TO CONVERT FROM INTERIM
NAV 88 TO NGVD 29 SUBTRACT 2.67 FT.
ALL ELEVATIONS IN () ARE NGVD 29.

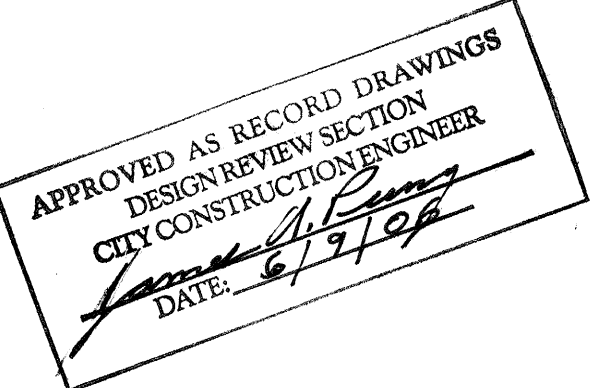
CAUTION:

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.



RECORD DRAWINGS

I, PATRICK J. CONLEY of the firm of SMITH ENGINEERING CO.
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, while
someone from Smith Engineering Company was onsite, 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
Russ Hugg (Surveyor Name) NMPS number 9750 (PS #).



ABQ
Engineering,
Inc.

•Engineers •Planners
•Construction Services
1631 Fubank NE, Suite C,
Albuquerque, NM 87112
505-255-7802 FAX 505-255-7902
ABQ NO. 22096



SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750,
Hereby Certify that the as-built information shown hereon is the
result of an actual field survey performed by me or under my
direct supervision and that the same is true and correct to the
best of my knowledge and belief.

Russ P. Hugg
NMPS No. 9750
FEB 12, 2006



DRB# 1001717

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPT.	DATE	USER DEPT.	DATE
		ENGINEERS STAMP & SIGNATURE	APPROVALS	ENGINEER	DATE	* * * * *	* * * * *
			DRC Chairman	<u>[Signature]</u>	6-5-03	APPROVED FOR CONSTRUCTION <u>[Signature]</u> 6-28-04 CITY ENGINEER DATE	
			Transportation	<u>[Signature]</u>	4/21/03		
			Water/Wastewater	<u>[Signature]</u>	4/21/03		
			Hydrology	<u>[Signature]</u>	4/21/03		
			Parks	<u>[Signature]</u>	6-5-03		
			Constr. Coord.	<u>[Signature]</u>	4-25-03		
			AMAFCA	<u>[Signature]</u>	4-25-03		
			City Project No.	699481		Sheet	Of
						1	17

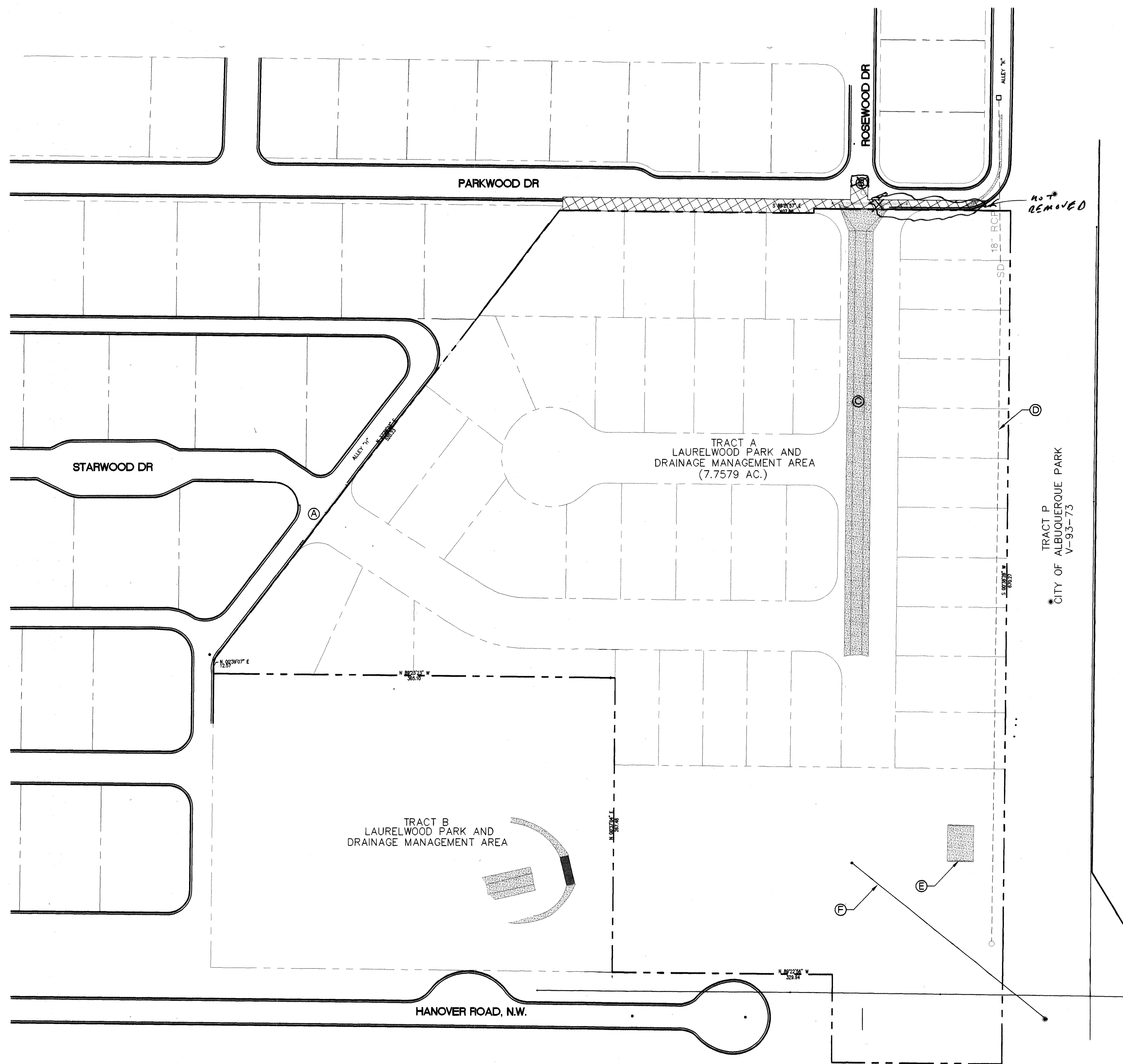


12. ALL WATER VALVE BOXES MANHOLES IN THE STREET CONSTRUCTION ARE TO BE ADJUSTED TO FINISH GRADE AND WILL BE MEASURED AND PAID PER EACH.
13. SUBGRADE PREPARATIONS UNDER SIDEWALKS AND DRIVE PADS, AND SUBGRADE AND SUBBASE PREPARATION UNDER CURB AND GUTTER IS CONSIDERED INCIDENTAL TO THE CONSTRUCTION OF SUCH, AND NO DIRECT PAYMENT SHALL BE MADE FOR THOSE ITEMS OF WORK.
14. ALL EXCAVATION WILL BE GOVERNED BY FEDERAL, STATE AND LOCAL LAWS, RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
15. ALL SIGNS AND CODING WILL BE IN ACCORDANCE WITH THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAYS" CURRENT EDITION PUBLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION.
16. WHEN ABUTTING NEW PAVEMENT TO EXISTING INTERSECTING STREETS, SAW CUT EXISTING PAVEMENT TO A STRAIGHT LINE AND AT RIGHT ANGLES AND REMOVE ANY BROKEN OR CRACKED PAVEMENT. NO DIRECT PAYMENT WILL BE MADE FOR SAW CUTTING.
17. CONTRACTOR WILL MAKE ALL WATER VALVES AND MANHOLES ACCESSIBLE TO THE CITY AT ALL TIMES.
18. CONTRACTOR WILL CONFINE HIS WORK WITHIN THE CONSTRUCTION EASEMENT LIMITS AND/OR RIGHT-OF-WAY, OR PROVIDE COPIES OF AGREEMENTS WITH ADJACENT LANDOWNERS TO THE CITY OF ALBUQUERQUE.
19. THE CONTRACTOR AGREES TO TAKE NECESSARY SAFETY PRECAUTIONS AS REQUIRED BY FEDERAL, STATE AND LOCAL AUTHORITIES TO PROTECT PEDESTRIAN AND VEHICULAR TRAFFIC IN THE CONSTRUCTION AREA, WHICH INCLUDE BUT ARE NOT LIMITED TO: MAINTAINING ADEQUATE WARNING SIGNS, BARRICADES, LIGHTS, GUARD FENCES, WALKS AND BRIDGES.
21. TACK COAT FOR SURFACE COURSE REQUIREMENTS WILL BE DETERMINED BY THE FIELD ENGINEER.
22. PERMANENT PAVEMENT STRIPING AND MARKINGS WILL BE PLACED BY THE CONTRACTOR. ROAD SHALL NOT BE OPENED TO THE TRAFFIC UNTIL IT IS STRIPED. ALL STRIPING, PAVEMENT MARKINGS INCLUDING CROSSWALKS, ARROWS AND LINE MARKINGS ARE TO BE CONSTRUCTED OF HOT PLASTIC OR COLD PLASTIC IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
23. ALL ASPHALTIC CONCRETE SHALL BE MINIMUM 1800 LB. STABILITY AND COMPACTED TO 95% MODIFIED MARSHALL DENSITY UNLESS OTHERWISE NOTED ON THE PLANS.
24. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
25. CONTRACTOR SHALL COORDINATE WITH WATER SYSTEMS DIVISION (857-8200) SEVEN (7) WORKING DAYS PRIOR TO ANY WORK THAT MAY AFFECT EXISTING CITY PUBLIC WATER OR SEWER UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR TIMING AND COORDINATION OF WATER SHUTOFF. EXISTING CITY VALVES TO BE OPERATED BY CITY PERSONNEL ONLY.
26. ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED OUT IN ACCORDANCE WITH OSHA 29CFR 1926.650 SUBPART P.
27. 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.

- ☒ 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 ENGINEER.
- ☒ SIDEWALK AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☒ IF CURB IS DEPRESSED 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.
- ☐ THE REQUESTOR OR DEVELOPER SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ALL CURB AND GUTTER OR SIDEWALK DAMAGE AFTER APPROVAL BY THE CITY ENGINEER OR WORK COMPLETED BY THE CONTRACTOR.

 •Engineers •Planners •Construction Services 1631 Eubank NE, Suite C, Albuquerque, NM 87112 505-255-7802 FAX 505-255-7802 ABQ No. 22096		CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP		ENGINEER'S SEAL 		SURVEY INFORMATION <table border="1"> <tr> <th rowspan="2">NO.</th> <th colspan="2">FIELD NOTES</th> </tr> <tr> <th>BY</th> <th>DATE</th> </tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>		NO.	FIELD NOTES		BY	DATE																									BENCH MARKS ALBUQUERQUE CONTROL SURVEY CONTROL STATION NEW MEXICO STATE PLANE MONUMENT 6-J10 CENTRAL ZONE, NAD 1927 X = 360,369.13 ; Y = 1,492,117.54 G/G FACTOR = 0.99967760 DELTA ALPHA = -00°18'00" NGVD 1929 ELEVATION = (5117.133) (TRANSFORMATION FROM NAD 27 TO NAD 88 WAS DONE USING CORPSCON V5.11.08.)		AS BUILT INFORMATION CONTRACTOR SALLS Bros. WORK STARTED BY SALLS Bros. DATE 06/19/03 DESIGNED BY SE DATE 06/19/03 FIELD ACCEPTANCE BY SALLS Bros. DATE 06/19/03 DRAWINGS BY SALLS Bros. DATE 06/19/03 CORRECTED BY SE DATE 06/19/03 MICRO-FILM INFORMATION RECORDED BY SE DATE 06/19/03 NO. 1			
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SCANNED
BY: *PLA*



DEMOLITION PLAN

SCALE: 1" = 50'



NORTH

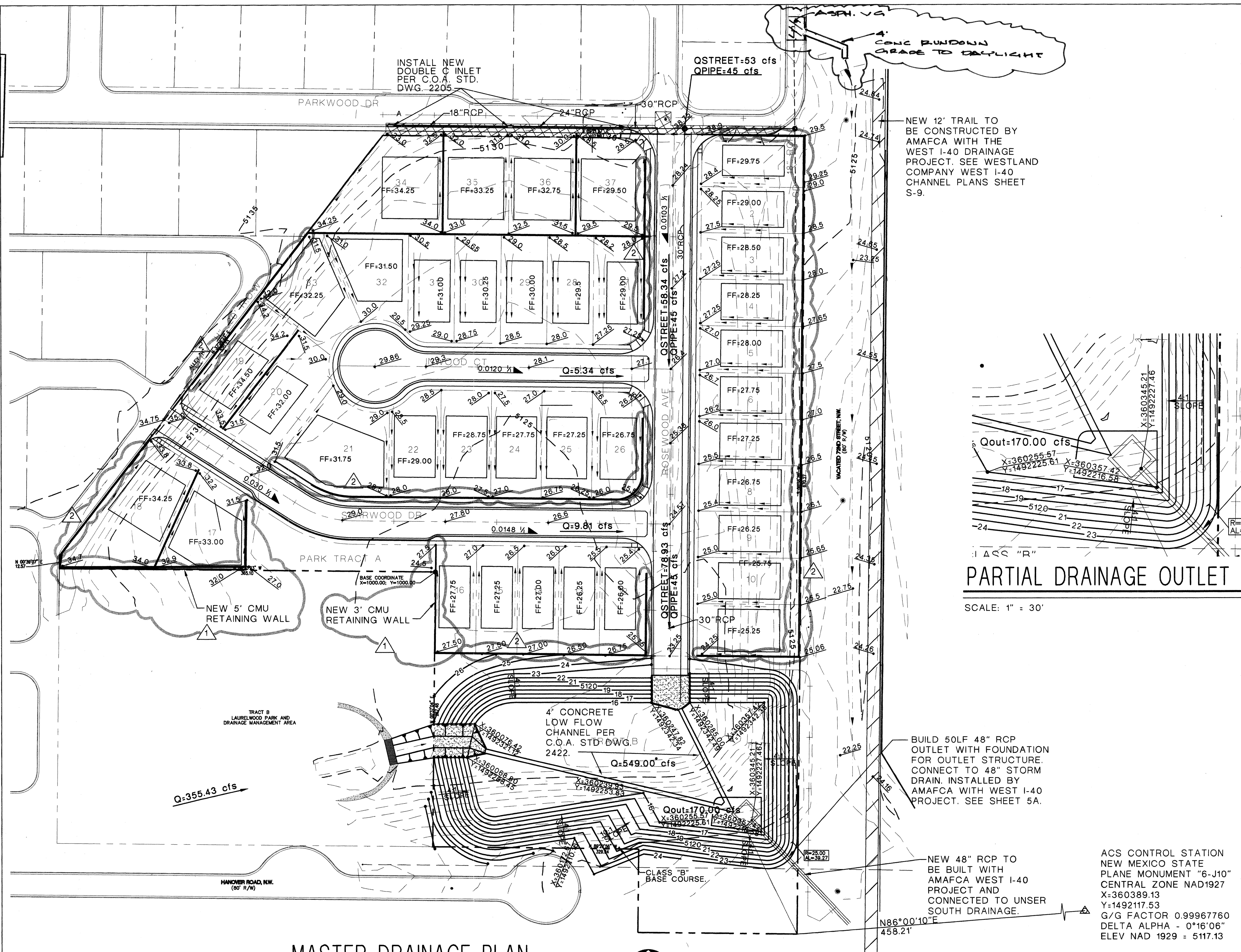
REMOVAL SCHEDULE		
ITEM	DESCRIPTION	QUANTITY
A	REMOVAL OF EXISTING CURB AND GUTTER, ALONG ALLEY "H" 10' LEFT AND 10' RIGHT OF CENTERLINE OF STARWOOD DRIVE.	68 LF
B	REMOVAL OF EXISTING CURB AND GUTTER, ALONG ROSEWOOD AVE	68 LF
C	REMOVAL OF EXISTING CONCRETE CHANNEL	9,521 FT ³
D	REMOVE EXISTING 18" RCP STORM DRAIN PIPE.	766 LF
E	REMOVE EXISTING CONCRETE SPILLWAY	
F	REMOVAL OF EXISTING STORM DRAINAGE OUTLET STRUCTURE AND PIPE.	220 LF

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Albuquerque, NM 87112
505-255-7802 FAX 505-255-7902
ABQ No. 22096

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
TITLE: LAURELWOOD SOUTH SUBDIVISION DEMOLITION PLAN	
Design Review Committee APPROVED JUN - 5 2003 DESIGN REVIEW COMMITTEE	City Engineer Approval APPROVED JUN - 5 2004 CITY ENGINEER
City Project No. 699481	Zone Map No. H/J-10
SHEET 4 OF 17	

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	DATE	ALBUQUERQUE CONTROL SURVEY CONTROL STATION	CONTRACTOR	SALLS	DATE
		NEW MEXICO STATE PLANE MONUMENT 6-110	WORK	STANLEY	DATE
		CENTRAL ZONE, NAD 1927	INSPECTOR'S	SEC	DATE
		X = 360,369.13 ; Y = 1,492,117.53	FIELD	SEC	DATE
		G/G FACTOR = 0.99967760	VERIFICATION BY	SEC	DATE
		DELTA ALPHA = -0018.00"	CORRECTED BY	SEC	DATE
		NSVD 1929 ELEVATION = (5117.133)	MICRO-FILM INFORMATION		DATE
		(TRANSFORMATION FROM NAD 27 TO NAD 88 WAS DONE	RECORDED BY		
		USING CORPSCON V5.11.08.)	NO.		



MASTER DRAINAGE PLAN

SCALE: 1" = 50'



NORTH

PARTIAL DRAINAGE OUTLET PLAN

SCALE: 1" = 30'

General Note

1. PERIMETER WALLS WILL BE BUILT BY THE DEVELOPER.
2. ALL POND SLOPES TO BE COMPACTED TO 90%.

Legend

- EXISTING CONTOUR
 —24— PROPOSED CONTOUR
 •28.0 PROPOSED SPOT ELEVATION
 — NEW PERIMETER/RETAINING WALL.

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Inc.

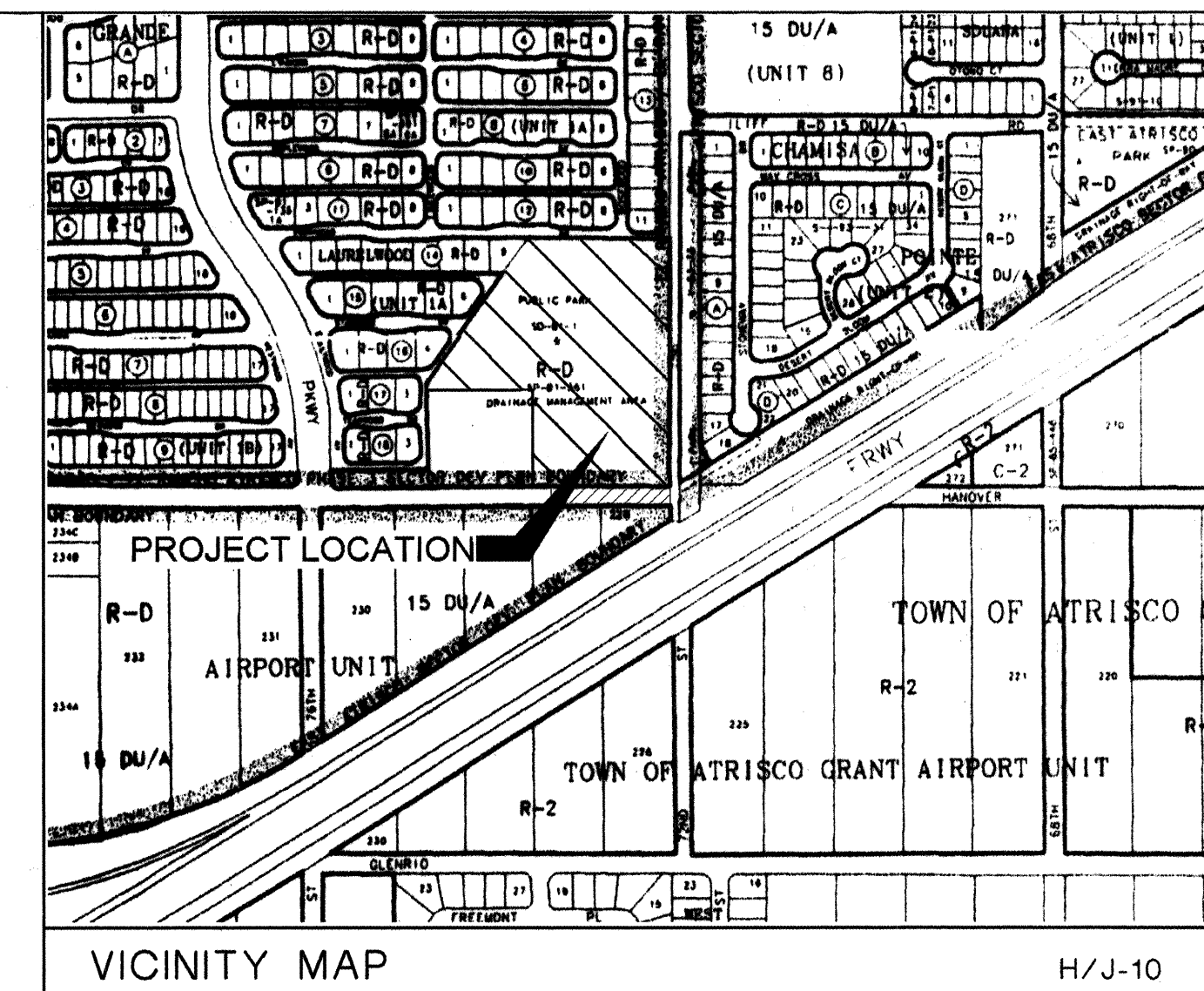
•Engineers •Planners
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505-255-7802 FAX 505-255-7902
ABQ NO. 22096

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

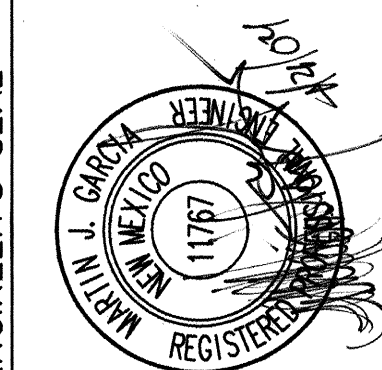
TITLE:	LAURELWOOD SOUTH SUBDIVISION MASTER DRAINAGE PLAN
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Design Review Committee		City Engineer Approval		Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.	

City Project No.	699481	Zone Map No.	H/J-10	SHEET	5	OF	17
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SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
FIELD NOTES					
NO.	BY	DATE		CONTRACTOR	DATE
			ALBUQUERQUE CONTROL SURVEY CONTROL STATION	SALLS	2/6/5
			NEW MEXICO STATE PLANE MONUMENT 6-J10	WORK STARTED BY	4/10/5
			CENTRAL ZONE, NAD 1927	ACCEPTANCE BY	5/1/5
			X = 360,369.13 ; Y = 1,492,117.53	FIELD ACCEPTANCE BY	5/1/5
			G/G FACTOR = 0.99967760	DRAWINGS	2/6/5
				CORRECTED BY	5/1/5
			DELTA ALPHA = -00°18'00"	MICRO-FILM INFORMATION	
			NGVD 1929 ELEVATION - (5117.133)	RECORDED BY	DATE
			(TRANSFORMATION FROM NAD 27 TO NAD 88 WAS DONE	NO.	



2	5/04	ADDED LOCATION OF PERIMETER WALLS	
3	3/04	ADDENDUM: REVISED GRADING, ADDED RETAINING WALL	
NO.	DATE	REMARKS	BY
<i>REVISIONS</i>			
DESIGN			
DESIGNED BY M. GARCIA		DATE 04/21/2003	
DRAWN BY N. GARCIA		DATE 04/21/2003	

PLAN

PROFILE

PROFILE

ELEVATIONS ARE IN INTERIM NAVD 88 DATUM.
TO CONVERT FROM INTERIM NAVD 88 TO NGVD
29 SUBTRACT 2.70 FEET. ALL ELEVATIONS IN ()
ARE NGVD 29.

5140
5135
5130
5125
5120
5115
5110
5105
5100
5095

5128.1
5123.3
5123.3
5122.6
5122.2
5124.2
5124.5

5140
5135
5130
5125
5120
5115
5110
5105
5100
5095

TOP OF RISER
= 5121.00
POND RISER
THIS CONTRACT
INVERT OF POND
= 5115.00
FOUNDATION & POND
BY OTHERS
48" RCP
= 5110.50
48" RCP
BY OTHERS
139LF 48" CLASS III RCP SD S = -2.77%
EXISTING 24" SAS
PROPOSED BIKE TRAIL
ELEV=5123.96
STA 2+16.64, CL 48" SD
CONSTRUCT NEW 6' DIA SD MH
RIM=5123.19
INV IN=5107.57
INV OUT=5107.35
PROPOSED CHANNEL
INV.=5117.57
PROPOSED TOP OF BERM
TW=5125.36
STA. 2+47.28, CL
END OUTLET PIPE
ELEV= 5106.60
TOP OF POND
ELEV=5124.00

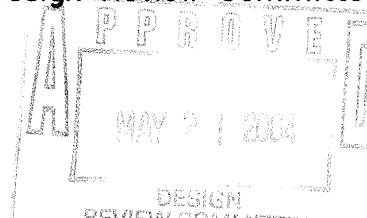
BENCH MARKS		AS BUILT INFORMATION			
ALBUQUERQUE CONTROL STATION	CONTRACTOR <i>SILLES</i>	DATE <i>2/68</i>			
NEW MEXICO STATE PLANE MONUMENT 6-J10	STARTED BY <i>SURUTEV</i>	DATE <i>2/68</i>			
CENTRAL ZONE, NAD 1927	FIELD STANGE BY <i>SEC</i>	DATE <i>2/68</i>			
X = 360,369.13 Y = 1,492,117.53	VERIFICATION BY <i>SEC</i>	DATE <i>2/68</i>			
G/G FACTOR = 0.99867760	DRAWING BY <i>SEC</i>	DATE <i>2/68</i>			
DELTA ALPHA = -00°18'00"	MICRO-FILM INFORMATION				
NGVD 1929 ELEVATION = (5117.133)	RECORDED BY	DATE			
(TRANSFORMATION FROM NAD 27 TO NAD 88 WAS DONE	NO.				
USING CORPSCON V5.11.08.)					

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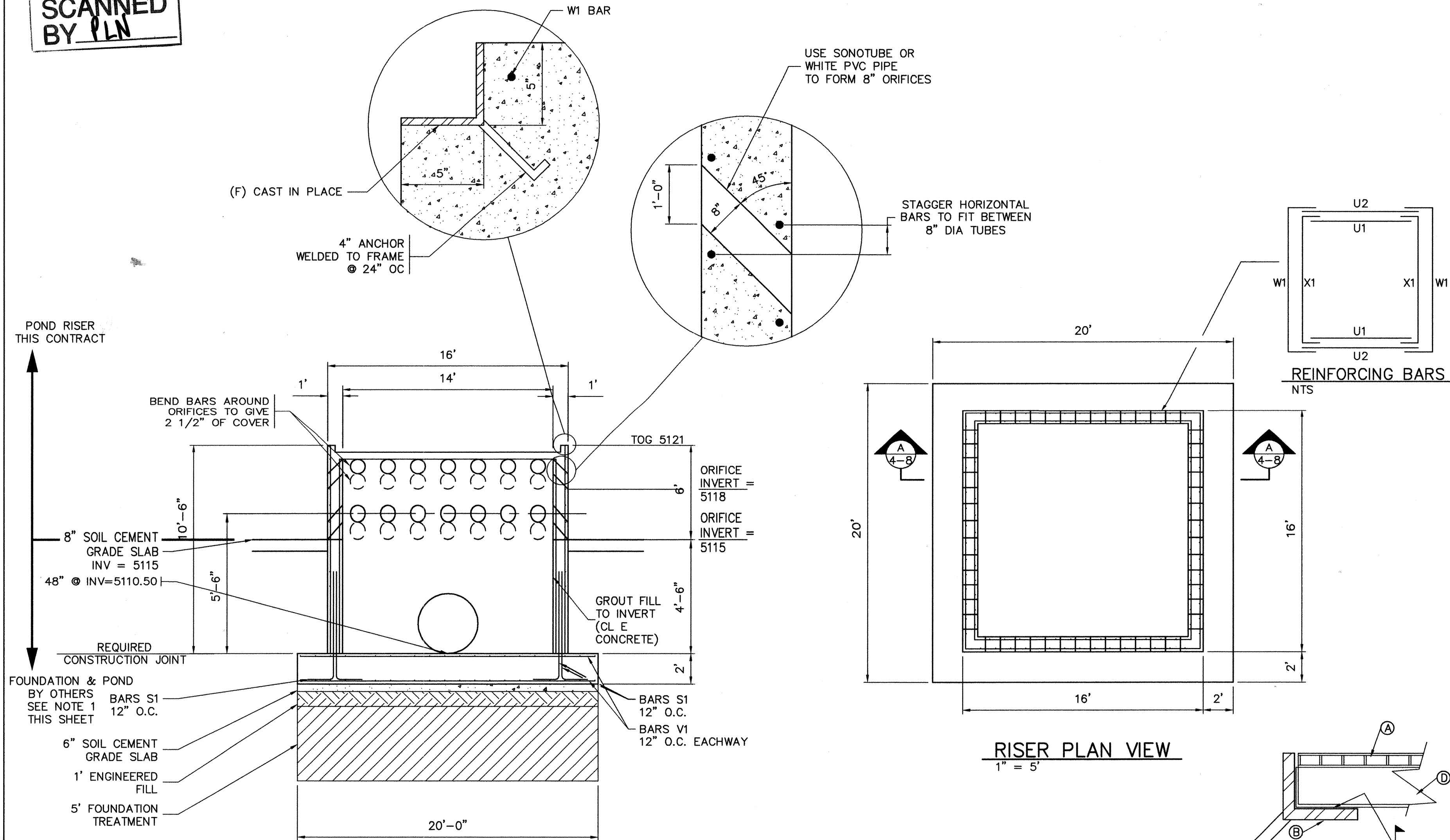
ENGINEER'S SEAL

13686
5-15-04
NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER
JOSE A. PERA

[illegible]

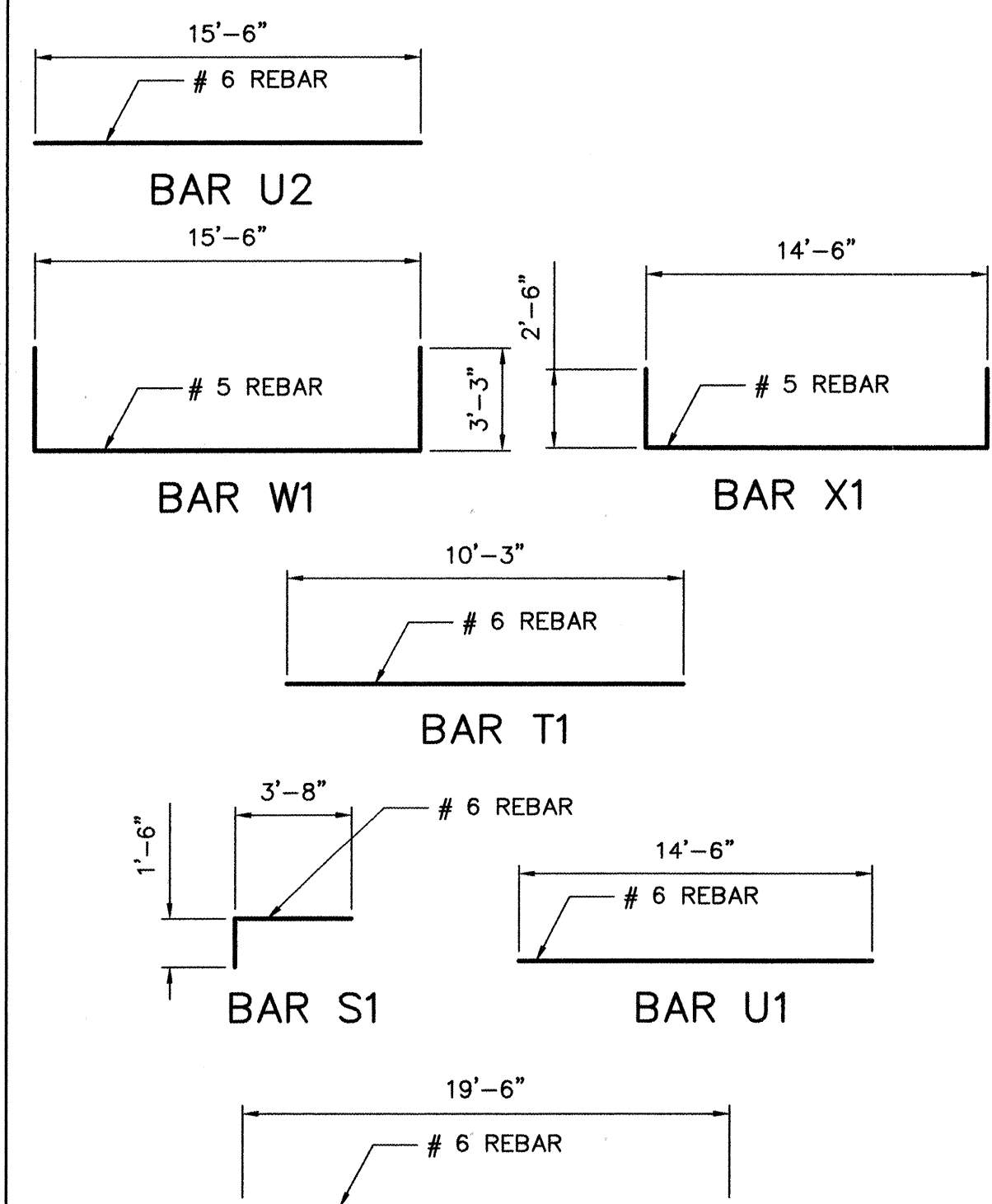
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP				
TITLE: WEST 1-40 CHANNEL LAURALWOOD POND OUTLET RENOVATION PLAN & PROFILE STA. 1+00 TO STA. 5+00				
Design Review Committee 		City Engineer Approval 		Last Design Update 
City Project No. 699481		Zone Map No. H/J-10		SHEET 5A OF

SCANNED BY PLN

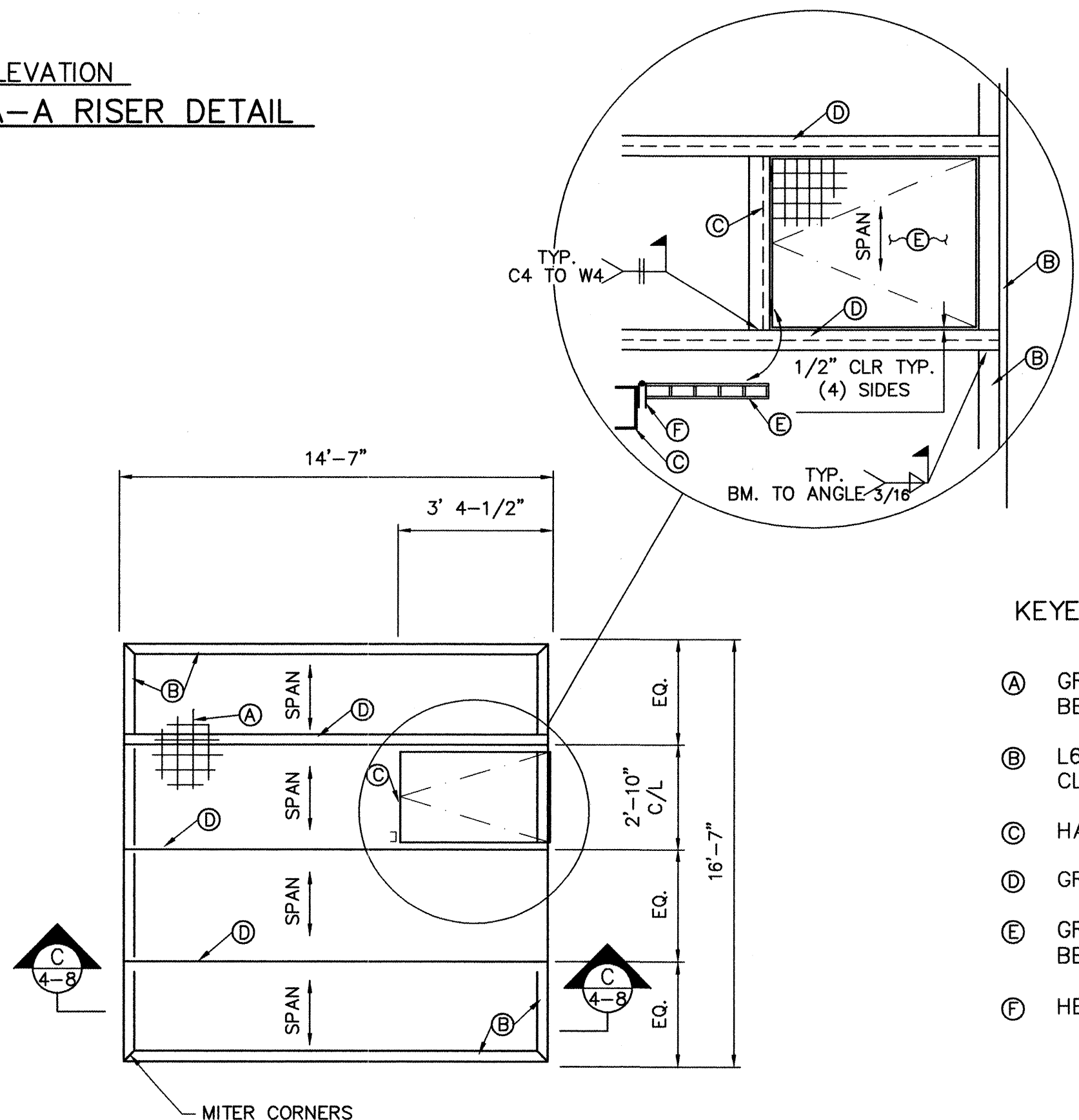


NOTE
1. CONTRACTOR WILL NOTIFY INSPECTOR W/WILLSON & COMPANY, INC., FOR COORDINATION
ROBERT GARCIA
OFFICE PHONE 348-4119
CELL PHONE 301-3622

WEST ELEVATION
CROSS-SECTION A-A RISER DETAIL
1" = 5'

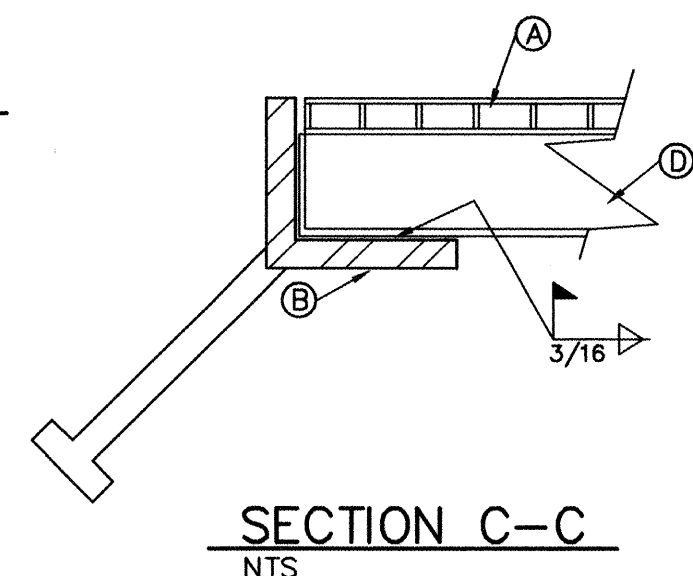


REBAR DETAILS
1" = 5'

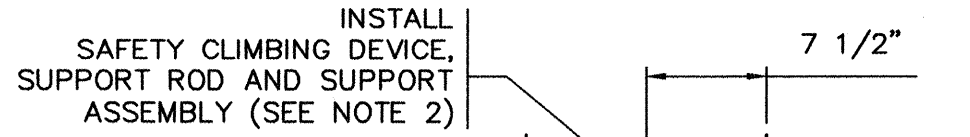


RISER GRATE-PLAN
NTS

- KEYED NOTES:
- Ⓐ GRATING - STEEL, TYPE W-38-4 W/ 1 1/2" x 1/16" BEARING BARS, SPAN AS SHOWN
 - Ⓑ L6 x 3 1/2 x 5/16 LLV EDGE BEARING ANGLE, CLIP LONG LEG TO 5 1/2" LENGTH
 - Ⓒ HATCH SUPPORT CHANNEL - C4 x 5.4
 - Ⓓ GRATING SUPPORT BEAM - W4 x 13
 - Ⓔ GRATING HATCH - STEEL, TYPE W-38-4 W/ 1 1/2" x 3/16" BEARING BARS, SPAN AS SHOWN, W/ BANDING AT ENDS
 - Ⓕ HEAVY DUTY WELDABLE BARREL HINGE

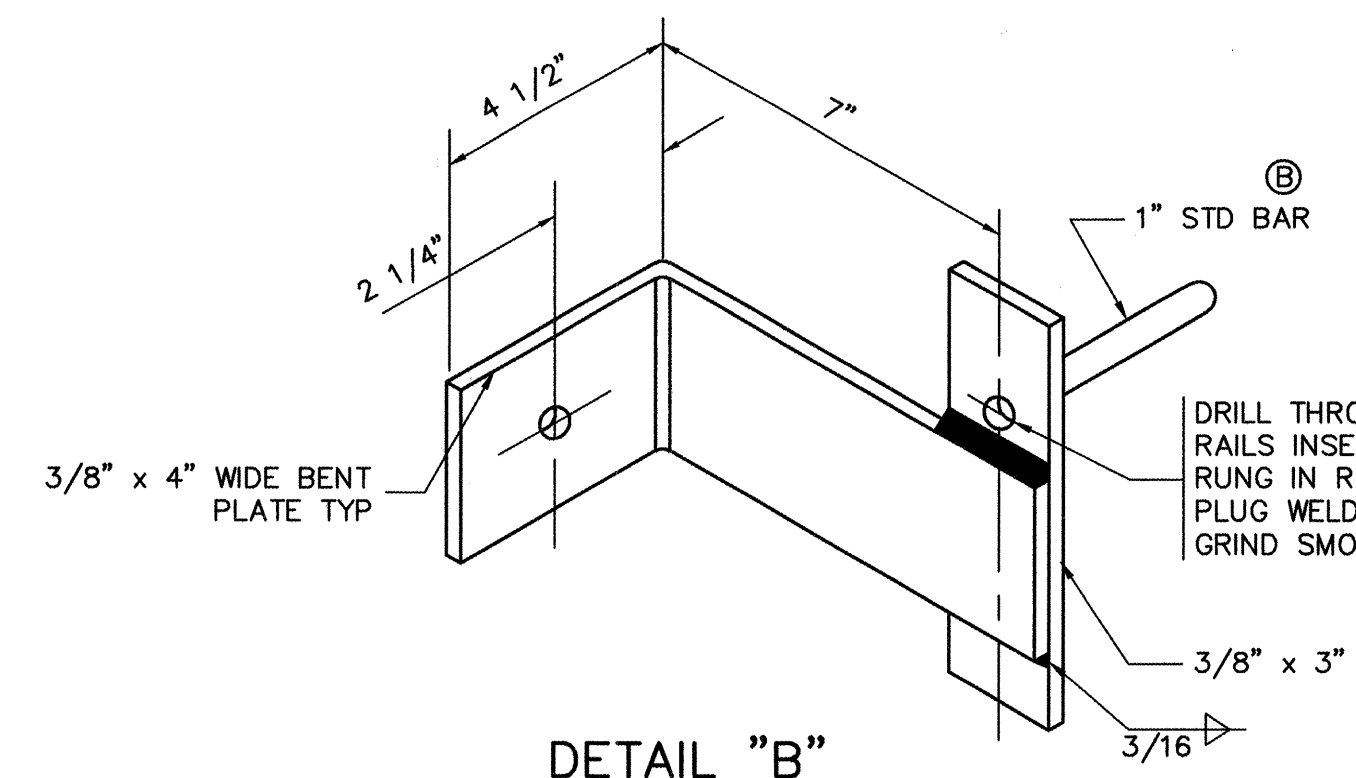


SECTION C-C
NTS

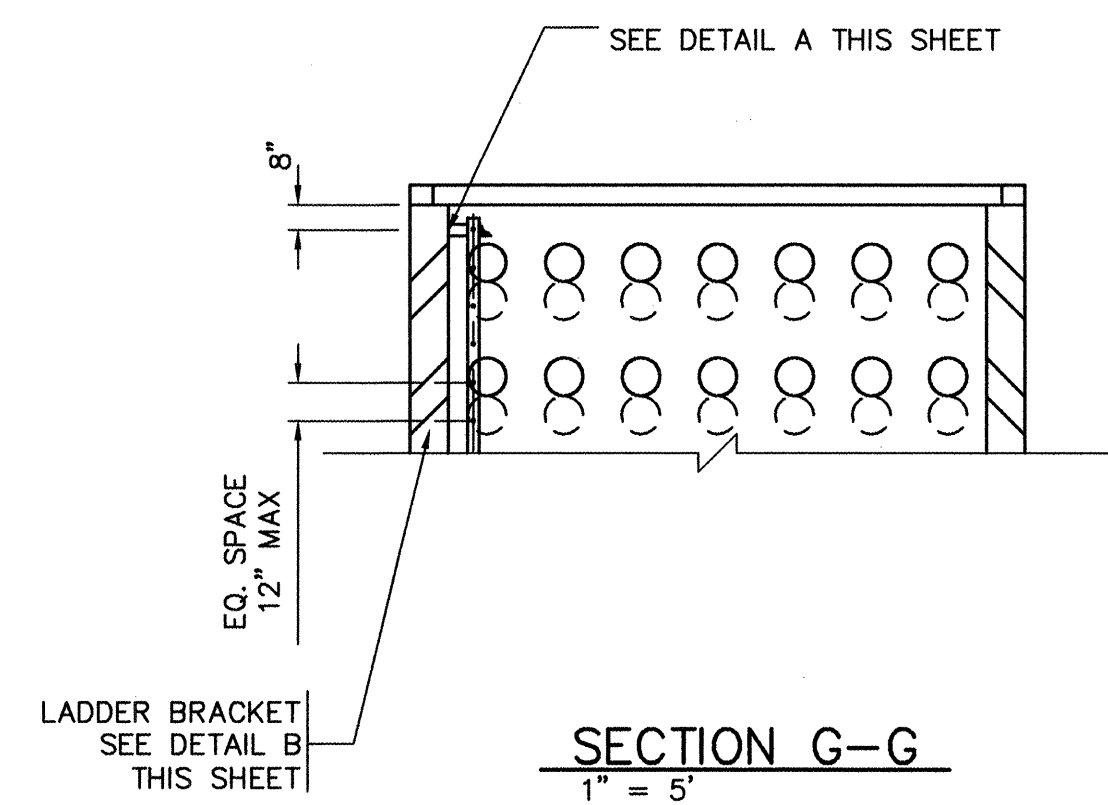


- SAFETY LADDER NOTES:
- SAFETY LADDER SHALL BE GALVANIZED A-36 STEEL AND SHALL MEET ALL REQUIREMENTS OF OSHA REGARDLESS OF DETAILS SHOWN
 - SAFETY CLIMBING DEVICE AND ASSEMBLY SHALL BE "SAF-T-CLIMB" FALL PREVENTION SYSTEM BY NORTH CONSUMER PRODUCTS
2664B SATURN STREET
BREA, CALIFORNIA 92621
(714) 524-1655
ATTACHMENT DETAILS SHALL MEET OSHA REQUIREMENTS REGARDLESS OF DETAILS SHOWN

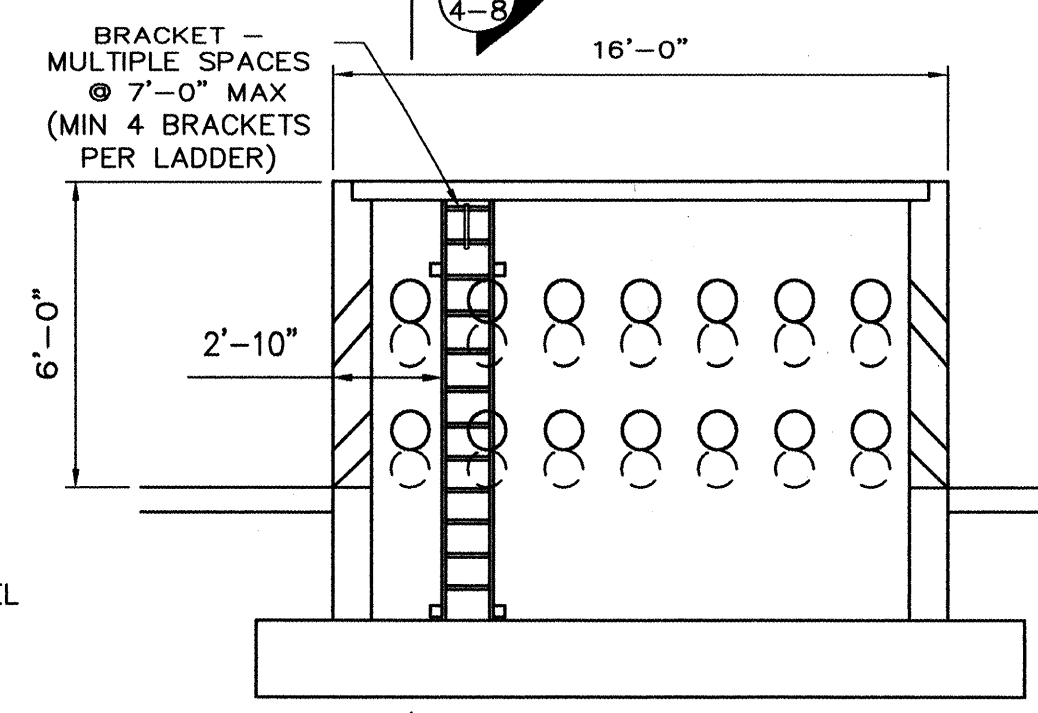
DETAIL "A"
SAFETY LADDER CLIMBING DEVICE
1" = 1'



DETAIL "B"
LADDER BRACKET DETAIL
NTS



SECTION G-G
1" = 5'



RISER LADDER ELEVATION
1" = 5'

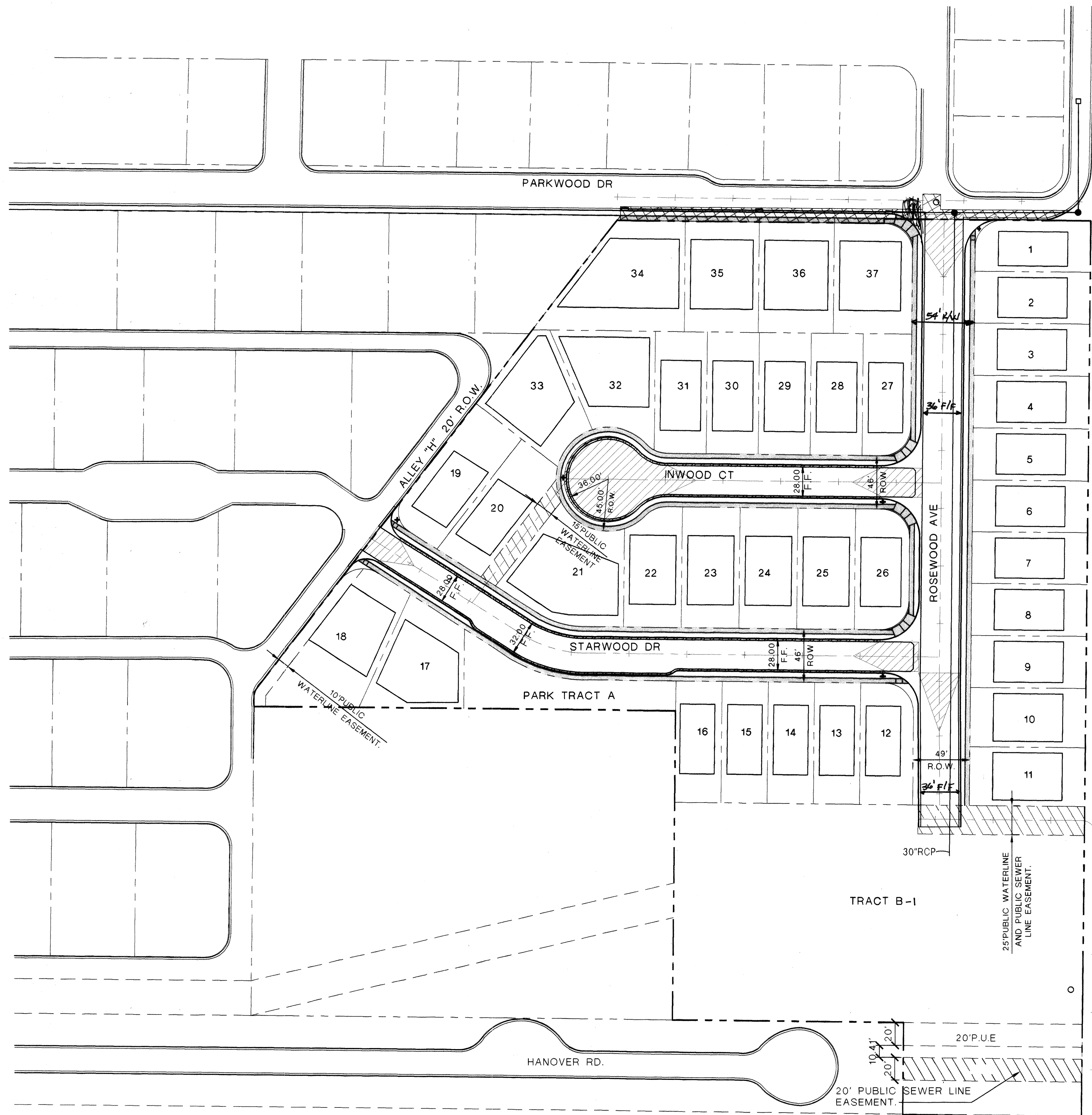
ABQ
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Construction Services
1831 Rubank NE, Suite C,
Albuquerque, NM 87112
505-255-7802 FAX 505-255-7802
ABQ NO. 22996

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: WEST I-40 CHANNEL LAURELWOOD POND RISER DETAILS			
Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED MAY 21 2004 DESIGN REVIEW COMMITTEE	APPROVED JUN - 8 2004 CITY ENGINEER		
City Project No.	699481	Zone Map No.	H/J-10
SHEET		5B OF	

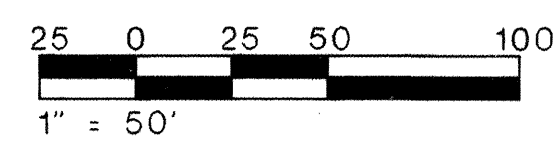
SURVEY INFORMATION				BENCH MARKS				AS BUILT INFORMATION			
ALBUQUERQUE CONTROL SURVEY CONTROL STATION	NEW MEXICO STATE PLANE MONUMENT 6-J10	DATE	DATE	CONTRACTOR	CALLS	DATE	DATE	CONTRACTOR	CALLS	DATE	DATE
BY	BY	BY	BY	INSPECTOR	DATE	DATE	DATE	INSPECTOR	DATE	DATE	DATE
NO.	NO.	NO.	NO.	FIELD	DATE	DATE	DATE	FIELD	DATE	DATE	DATE
				X = 360,369.13 ; Y = 1,492,117.53				X = 360,369.13 ; Y = 1,492,117.53			
				G/G FACTOR = 0.99987760				G/G FACTOR = 0.99987760			
				DELTA ALPHA = -0018'00"				DELTA ALPHA = -0018'00"			
				NGVD 1929 ELEVATION - (5117.133)				NGVD 1929 ELEVATION - (5117.133)			
				(TRANSFORMATION FROM NAD 27 TO NAD 83 WAS DONE				(TRANSFORMATION FROM NAD 27 TO NAD 83 WAS DONE			
				USING CORPSCON V5.11.08.)				USING CORPSCON V5.11.08.)			

SCANNED BY *PL*



MASTER PAVING PLAN

SCALE: 1" = 50'



NORTH

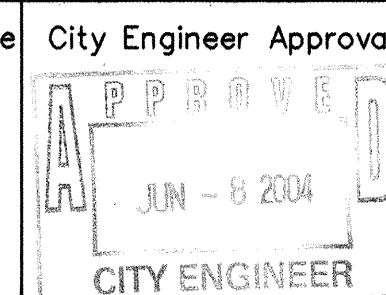
Legend

- STANDARD CURB AND GUTTER
- MOUNTABLE CURB AND GUTTER
- NEW PUBLIC UTILITY EASEMENT
PER COA STD DWG. 2465
- NEW 4' SIDEWALK PER C.O.A.
STD. DWG 2430 BUILD WITH
PROJECT (DEFERRED)
- EDGE OF PAVEMENT WORK
- CROWN FLATTENING PER C.O.A.
STD. DWG 2401.
- NEW STREET LIGHT
- ROW
RIGHT OF WAY
- 6' VALLEY GUTTER PER C.O.A.
STD. DWG 2420.
- WHEEL CHAIR RAMP PER C.O.A.
STD. DWG. 2441 CASE II
PERPENDICULAR TO TRAFFIC FLOW AND/OR SIDEWALK
- UNDIRECTION RAMP PER
C.O.A. STD. DWG. 2426

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ABQ NO. 22096

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
TITLE: LAURELWOOD SOUTH SUBDIVISION
MASTER PAVING PLAN



Last Design Update

No./Day/Yr.	No./Day/Yr.

City Project No.

699481

Zone Map No.

H/J-10

SHEET

OF

6

17

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	BY	DATE	ALBUQUERQUE CONTROL SURVEY CONTROL STATION	CONTRACTOR	SALLS
			NEW MEXICO STATE PLANE MONUMENT 6-J10	STAND BY	SLAUTEK
			CENTRAL ZONE, NAD 1927	INSPECTOR'S	DATE 2/13/05
			X = 360,369.13 ; Y = 1,492,117.53	FIELD	DATE
			G/G FACTOR = 0.99967760	VERIFICATION BY	DATE
			DELTA ALPHA = -00°18'00"	CORRECTED BY	DATE
			NGVD 1929 ELEVATION = (5117.133)	MICRO-FILM INFORMATION	
			(TRANSFORMATION FROM NAD 27 TO NAD 88 WAS DONE	RECORDED BY	DATE
			USING CORPSCON V5.11.08.)	NO.	

LENGTH OF RESTRAINED PIPE (FEET)						
PIPE SIZE	90	45	22.5	11.25	TEE	VALVE
6"	18'	7'	4'	2'	18'	46'
8"	22'	8'	4'	2'	22'	59'
10"	27'	11'	5'	3'	27'	72'

SITE UTILITY PLAN

SHEET	7	OF	17
-------	---	----	----

STA 5+10.09
INSTALL NEW CUTOFF
WALL PER C.O.A. STD. DWG 2415
INSTALL 2 TYPE III
BARRICADES, AND INSTALL
NEW GATE PER C.O.A. STD.
SPECS. COORDINATE WITH COA TRAFFIC

	TO	FL
25.74	25.24	
25.51	25.01	
25.28	24.78	

STA 4+04.09
INSTALL NEW WHEELCHAIR
RAMP PER C.O.A. STD DWG.
2441. CASE II.

STA 3+78.87 ROSEWOOD DR.
STA 5+17.85 STARWOOD DR.

STA 2+52.11
INSTALL NEW WHEELCHAIR
RAMP PER C.O.A. STD DWG
2441. CASE II.

STA 2+27.86 ROSEWOOD DR.
STA 2+85.07 INWOOD COURT.

STA 0+03.68
INSTALL NEW WHEELCHAIR
RAMP PER C.O.A. STD DWG.
2441. CASE II.

STA 0+00.00
BEGIN ROSEWOOD DR.
MATCH GRADE
WITH EXISTING ROAD

STA 0+05.39
30" RCP

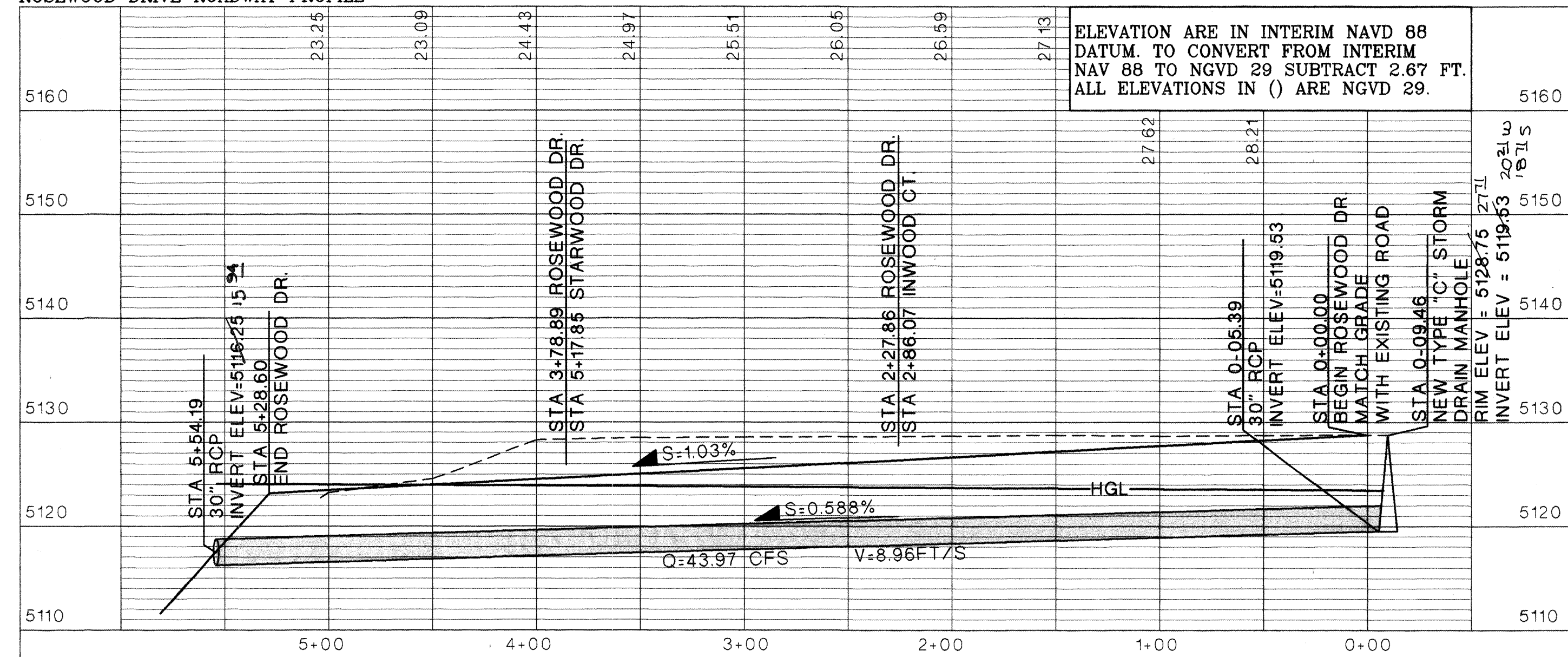
ROSEWOOD DR

1.03%

00°38'22" W

PARKWAY

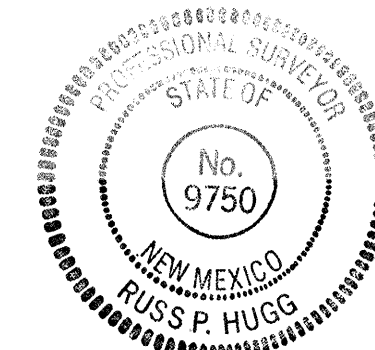
SCALE: 1" = 50'



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

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750,
Hereby Certify that the as-built information shown hereon is the
result of an actual field survey performed by me or under my
direct supervision and that the same is true and correct to the
best of my knowledge and belief.

Russ P. Hugg
NMPS No. 9750
FEB. 12, 2005



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Albuquerque, NM 87112
505-255-7802 FAX 505-255-7902
ABQ NO. 22096

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
 APPROVED JUL - 5 2003 DESIGN REVIEW COMMITTEE	 APPROVED JUL - 6 2004 CITY ENGINEER			

City Project No.	699481	Zone Map No.	H/J-10	SHEET	8	OF	17
------------------	--------	--------------	--------	-------	---	----	----



ROSEWOOD DRIVE		
SANITARY SEWER SERVICE		
LOT #	STATION	LENGTH
1	0+39.91	28.00
2	0+84.87	28.00
3	1+06.81	28.00
4	1+74.87	28.00
5	1+96.87	28.00
6	2+64.84	28.00
7	2+86.87	28.00
8	3+54.87	28.00
9	3+76.87	28.00
10	4+44.34	28.00
11	4+66.87	28.00

STA 0+08.81 TRACT B EASEMENT:
 STA 5+25.63 ROSEWOOD DR.
 INSTALL NEW 6"x90° BEND

STA 0+02.72 TRACT B EASEMENT:
 STA 5+15.78 ROSEWOOD DR.:
 INSTALL NEW MANHOLE #7

STA 6+78.88 ROSEWOOD DR.
 INSTALL NEW MANHOLE #8

STA 1+37.87
 INSTALL NEW
 6x90° BEND

25' PUBLIC WATERLINE
 AND PUBLIC SEWER
 LINE EASEMENT.

11

0+00

1+00

2+00

3+00

4+00

SAS

W

20' P.U.E

20' PUBLIC SEWER EASEMENT.

SEWER LINE

STA 3+72.71
 INSTALL NEW
 6x45° BEND

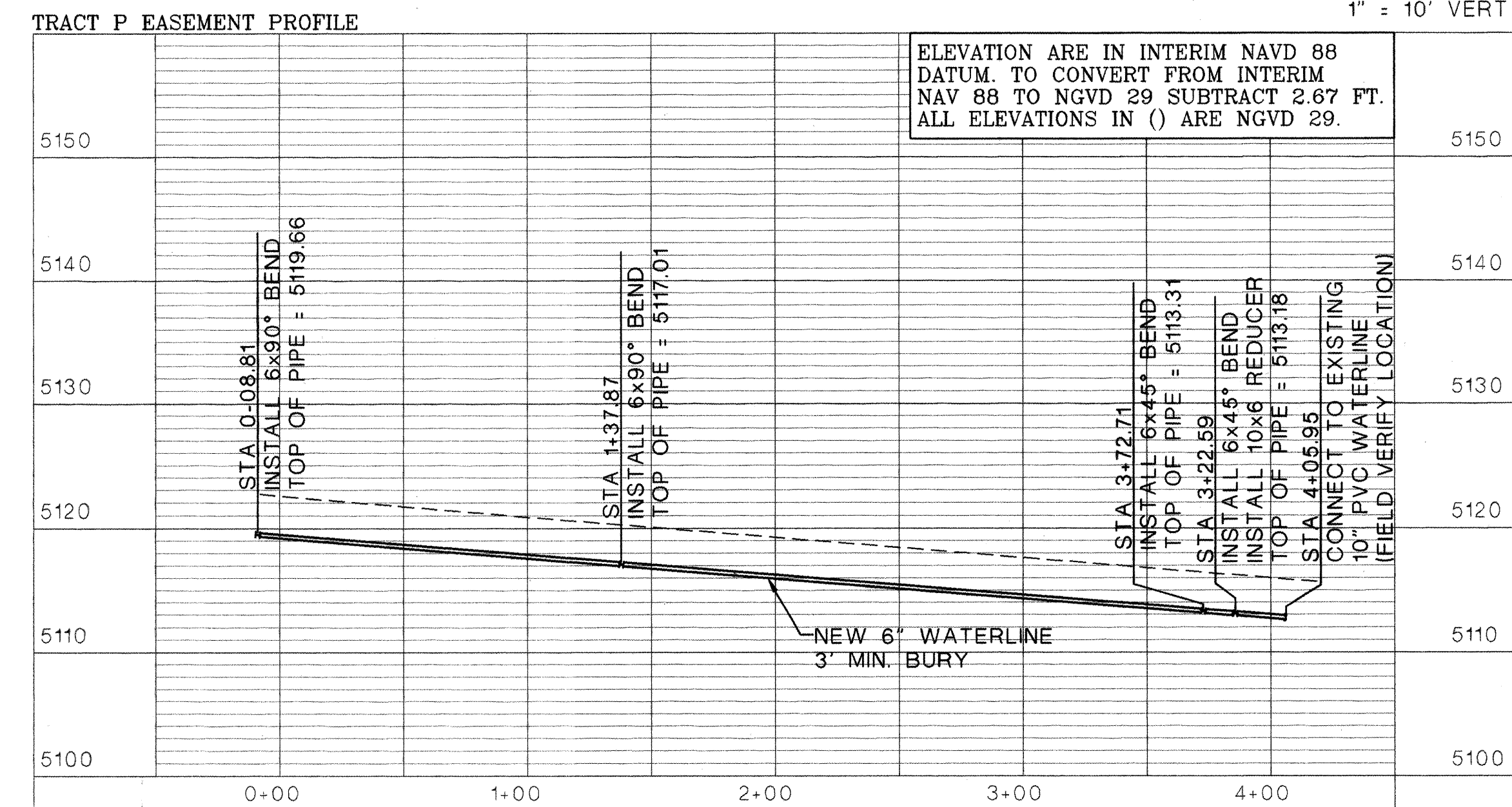
STA 4+05.95
 CONNECT TO
 EXISTING WATERLINE

STA 3+85.62
 INSTALL NEW 6x45° BEND
 AND 10"x6" REDUCER

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

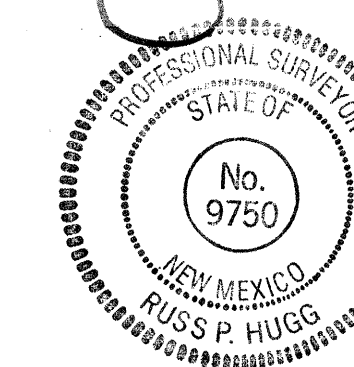


SCALE: 1" = 50' HORIZ
1" = 10' VERT

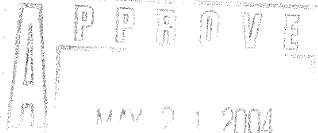


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direct supervision and that the same is true and correct to the
best of my knowledge and belief.

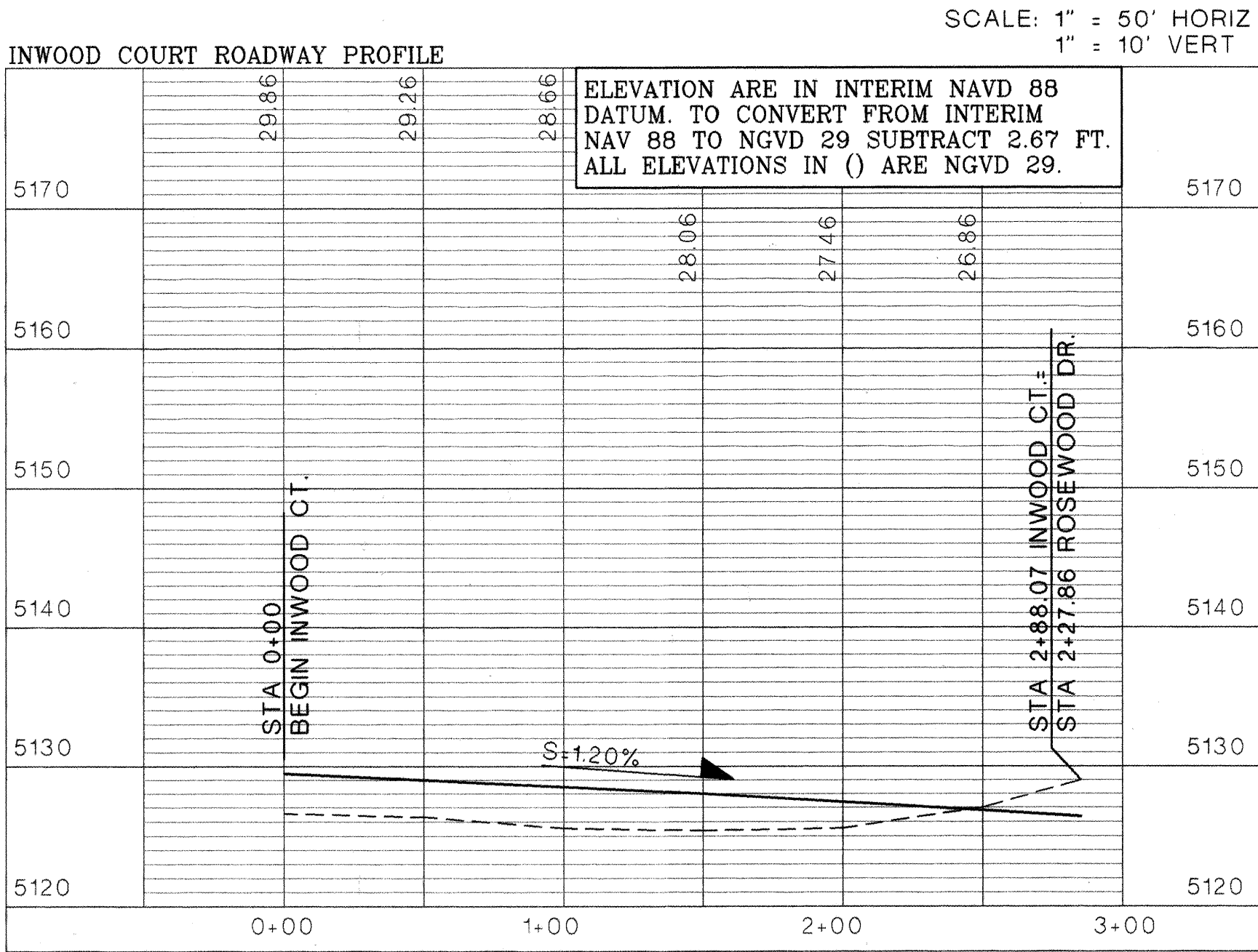
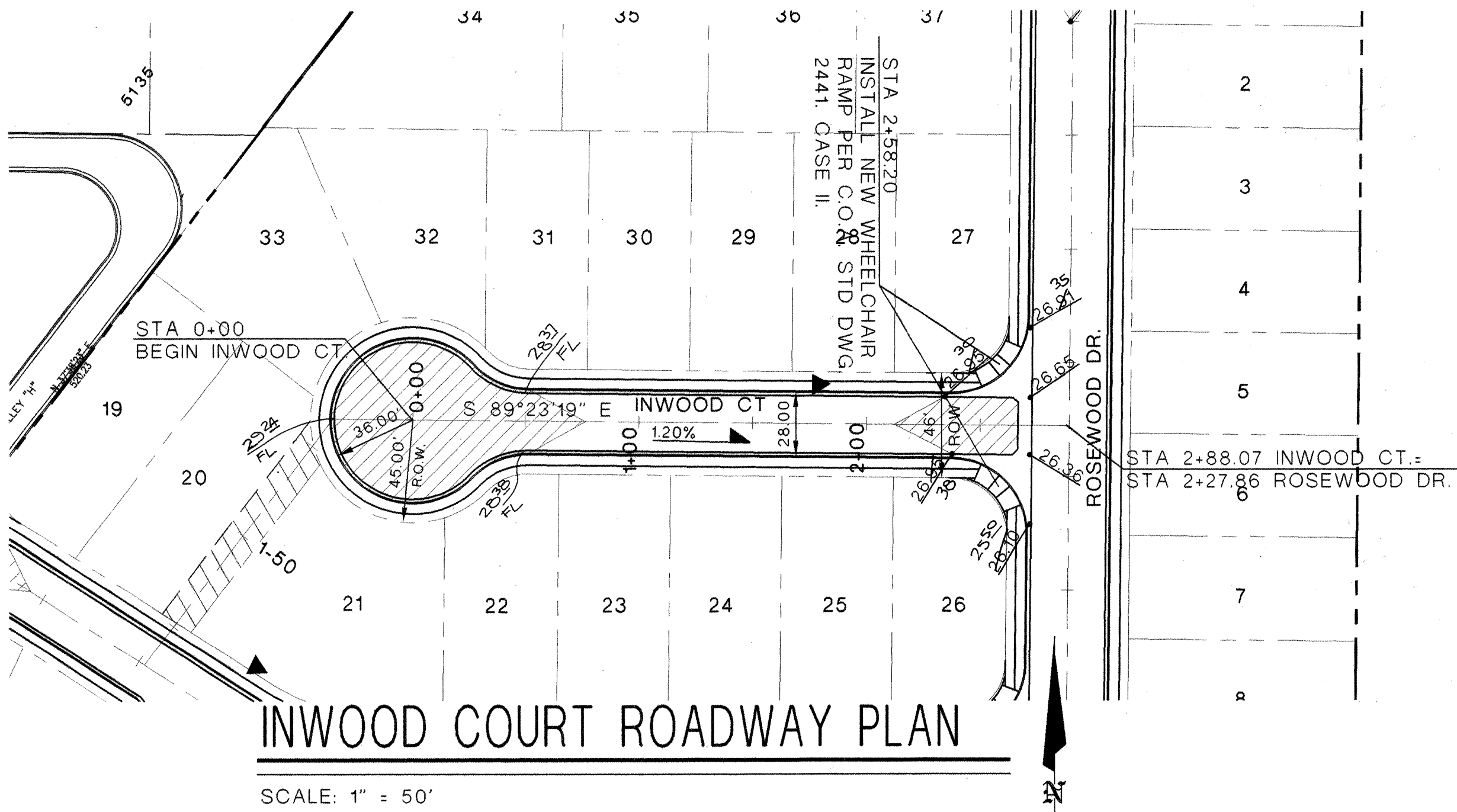
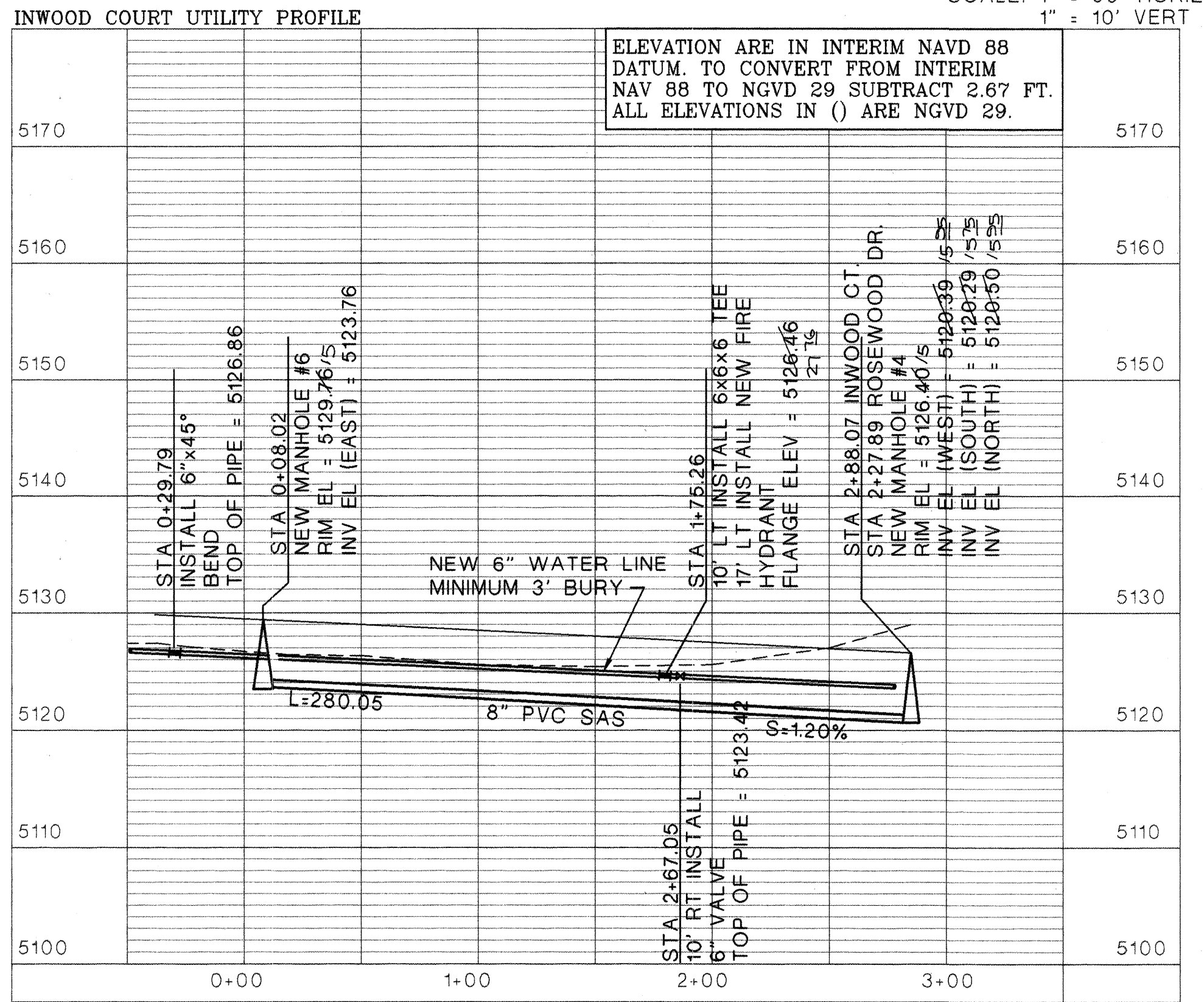
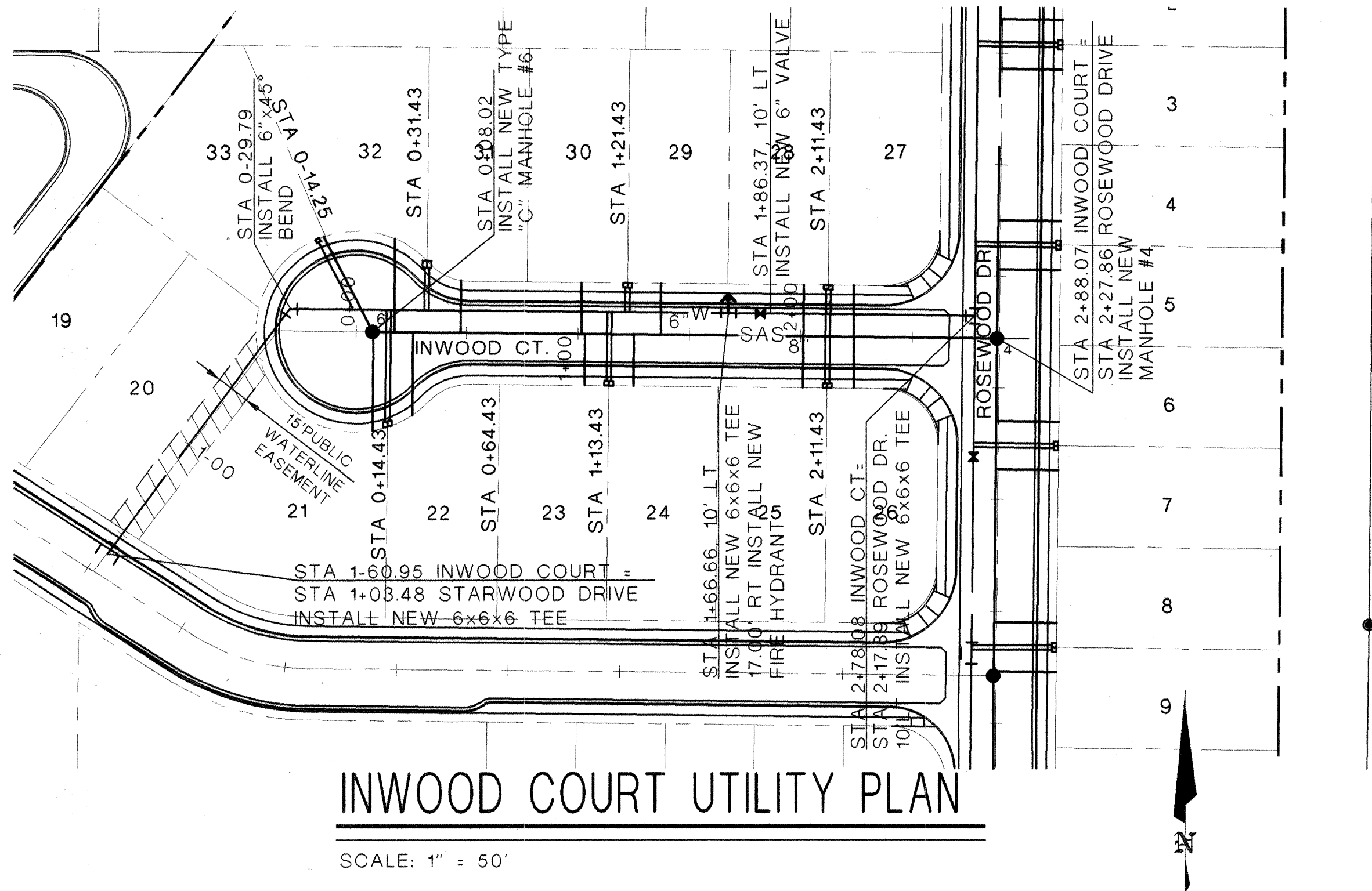

Russ P. Hugg
NMPS No. 9750
FEB. 12, 2005



•Engineers •Planners
•Construction Services
1631 Eubank NE, Suite C,
Albuquerque, NM 87112
505-255-7802 FAX 505-255-7902
ABQ NO. 22096

TITLE: LAURELWOOD SOUTH SUBDIVISION ROSEWOOD AND TRACT P UTILITY PLAN AND PROFILE				
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
				
City Project No.	699481	Zone Map No.	H/J-10	SHEET 9 OF 17

SCANNED BY PLZ



SURVEYORS CERTIFICATION
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Russ P. Hugg
NMPS No. 9750
FEB 12 2005



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ABQ No. 22098

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: LAURELWOOD SOUTH SUBDIVISION INWOOD CT. ROADWAY AND UTILITY PLAN AND PROFILE			
Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED MAY 21 2004 REVIEW COMMITTEE	APPROVED JUN - 8 2004 CITY ENGINEER		
City Project No. 699481		Zone Map No. H/J-10	SHEET 10 OF 17

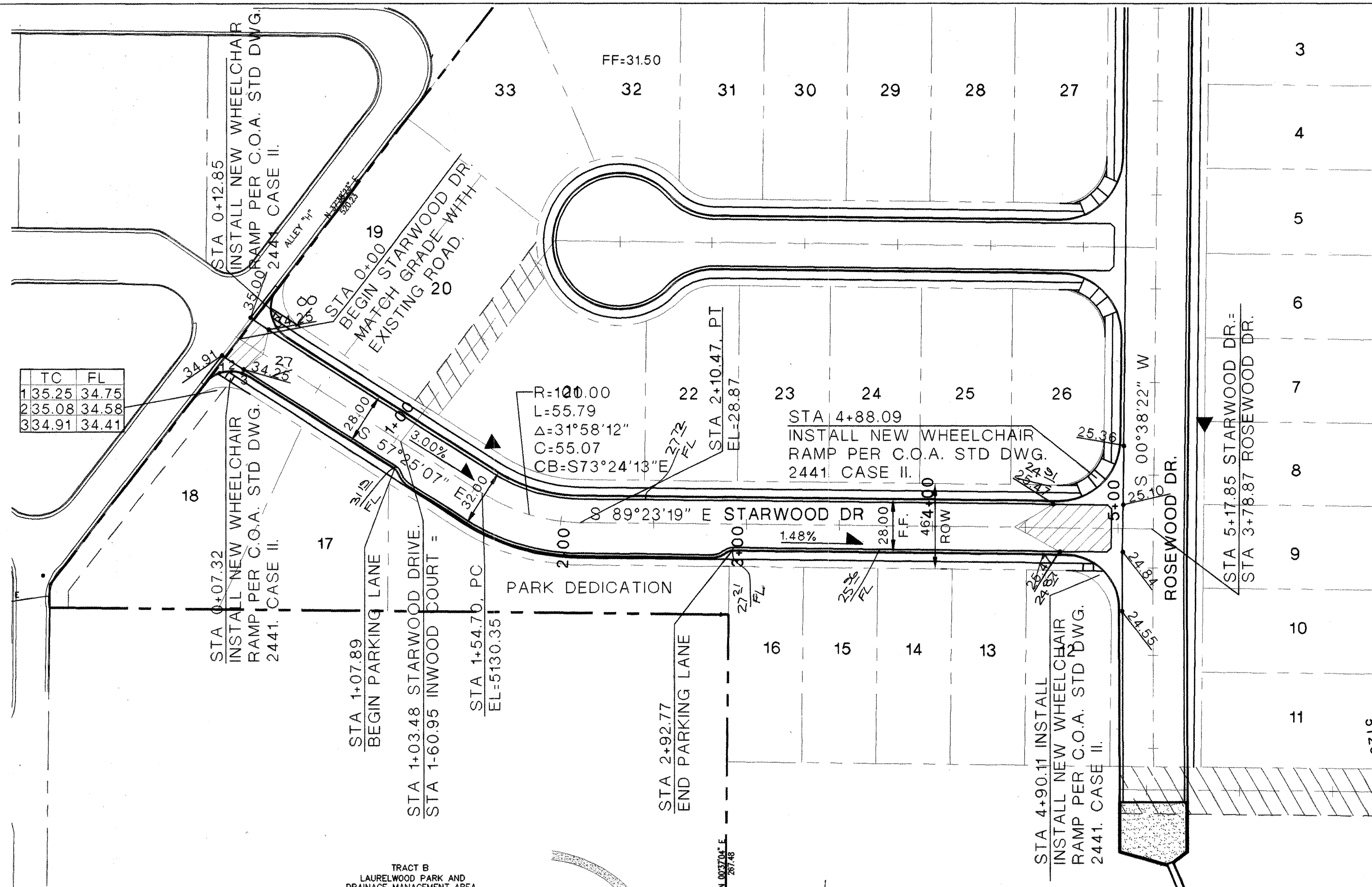
LOT #	STATION	LENGHT
21	0+07.53	42.00
22	0+25.40	37.20
23	1+02.41	23.00
24	1+24.41	23.00
25	2+00.40	23.00
26	2+23.25	23.00
27	2+23.25	23.00
28	1+99.36	23.00
29	1+36.80	23.00
30	1+01.07	23.00
31	0+46.80	23.00
32	0+32.41	32.00
33	0+07.39	48.00

NOTE: WATER METER LOCATION
ARE DESIGNATED BY STATIONING
AT PROPERTY CORNERS.

AS BUILT INFORMATION			
CONTRACTOR	SALES	DATE	DATE
WORK	SALES	DATE	DATE
INSPECTED BY	SALES	DATE	DATE
FIELD	SALES	DATE	DATE
VERIFICATION BY	SALES	DATE	DATE
CORRECTED BY	SALES	DATE	DATE
MICRO-FILM INFORMATION			
RECORDED BY	NO.	DATE	DATE
USING CORPSCON V5.11.06.1			

SURVEY INFORMATION	
ALBUQUERQUE CONTROL SURVEY CONTROL STATION	DATE
NEW MEXICO STATE PLANE MONUMENT 6-J10	DATE
CENTRAL ZONE, NAD 1927	DATE
X = 360,369.13 ; Y = 1,492,117.53	DATE
G/G FACTOR = 0.99967760	DATE
DELTA ALPHA = -00°18'00"	DATE
NGVD 1929 ELEVATION = (5117.133)	DATE
(TRANSFORMATION FROM NAD 27 TO NAD 88 WAS DONE	DATE
USING CORPSCON V5.11.06.1	

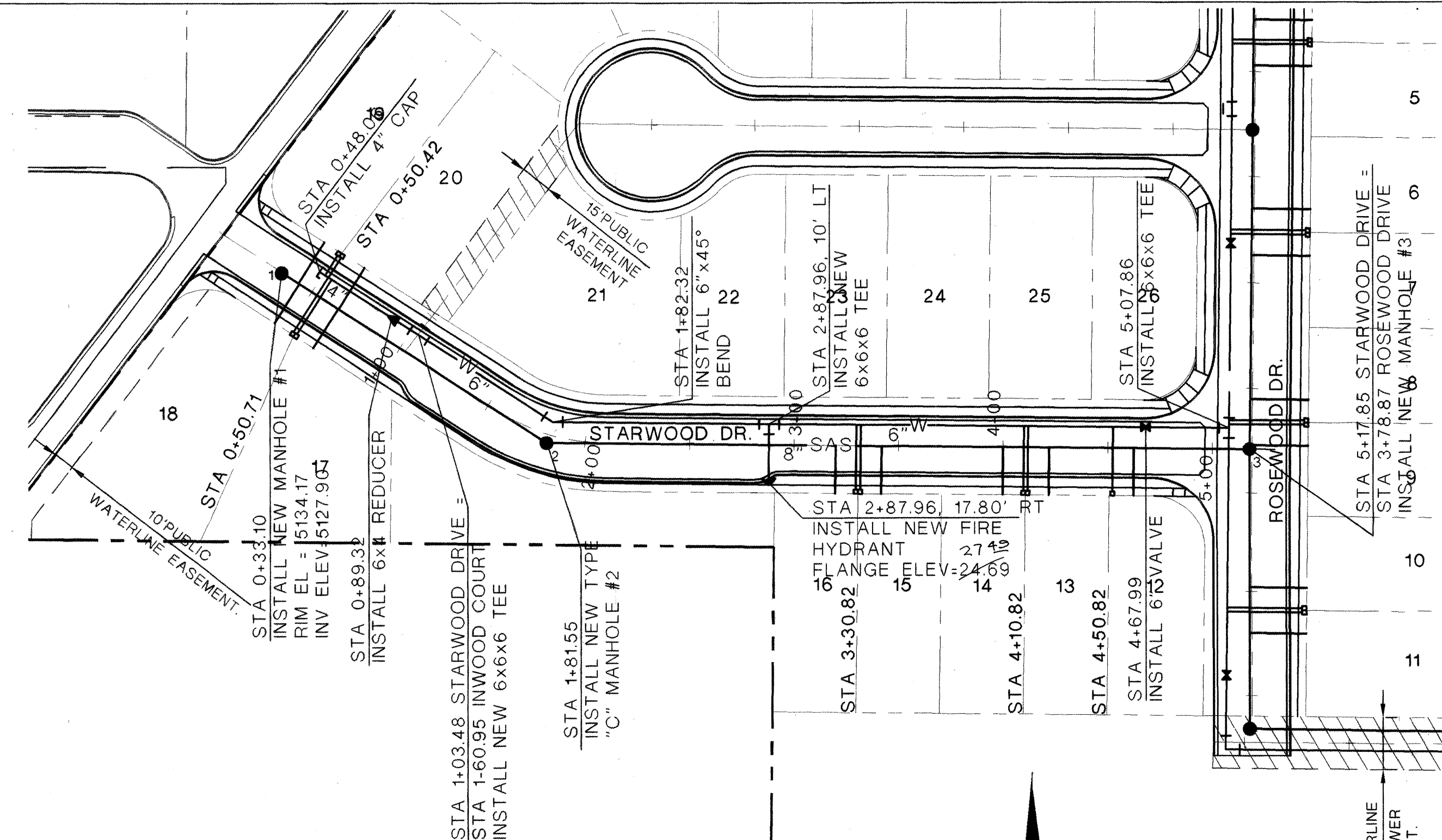
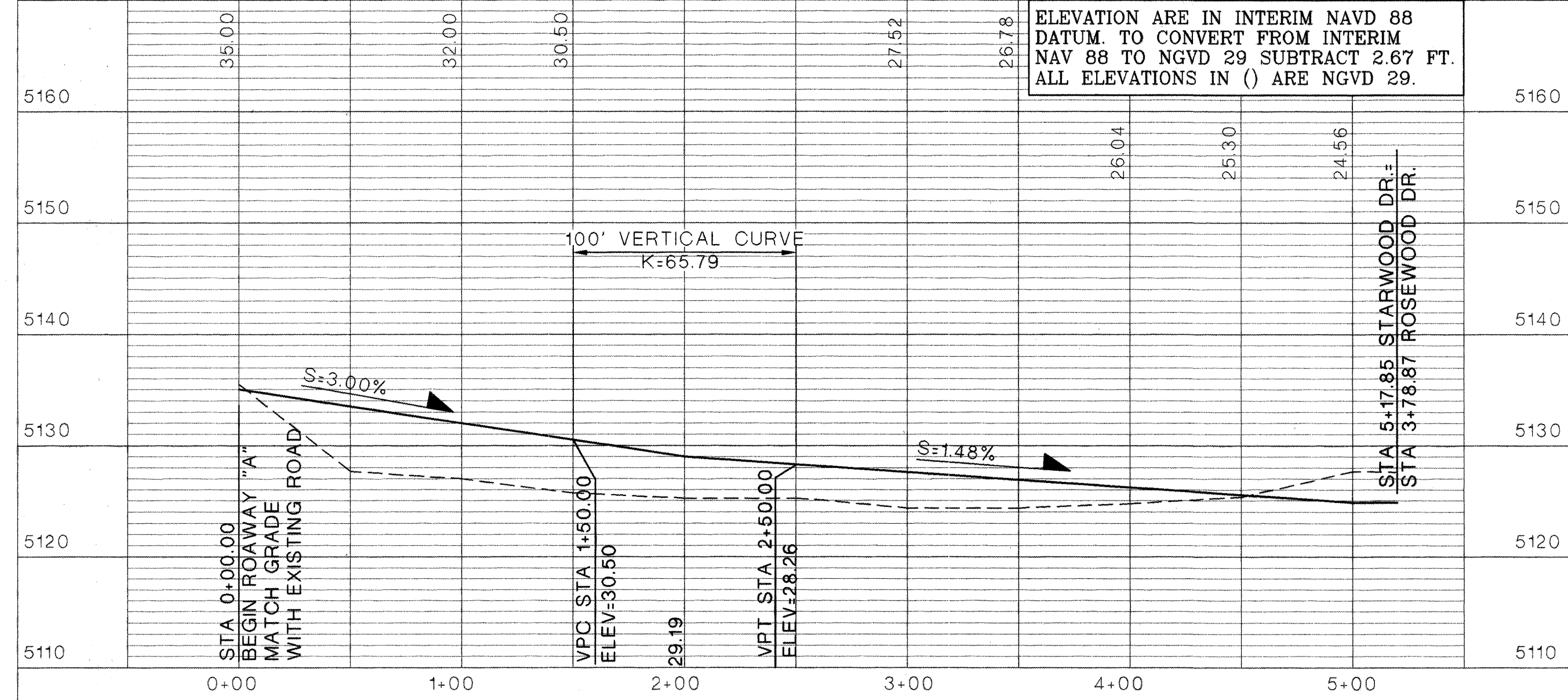
ENGINEER'S SEAL	
NO.	DATE
REMARKS	BY
REVISIONS	DESIGN
DESIGNED BY M.GARCIA	DATE 04/21/2003
DRAWN BY N.GARCIA	DATE 04/21/2003
CHECKED BY R.BOOH	DATE 04/21/2003



STARWOOD DRIVE PLAN

SCALE: 1" = 50'

STARWOOD DRIVE ROADWAY PROFILE

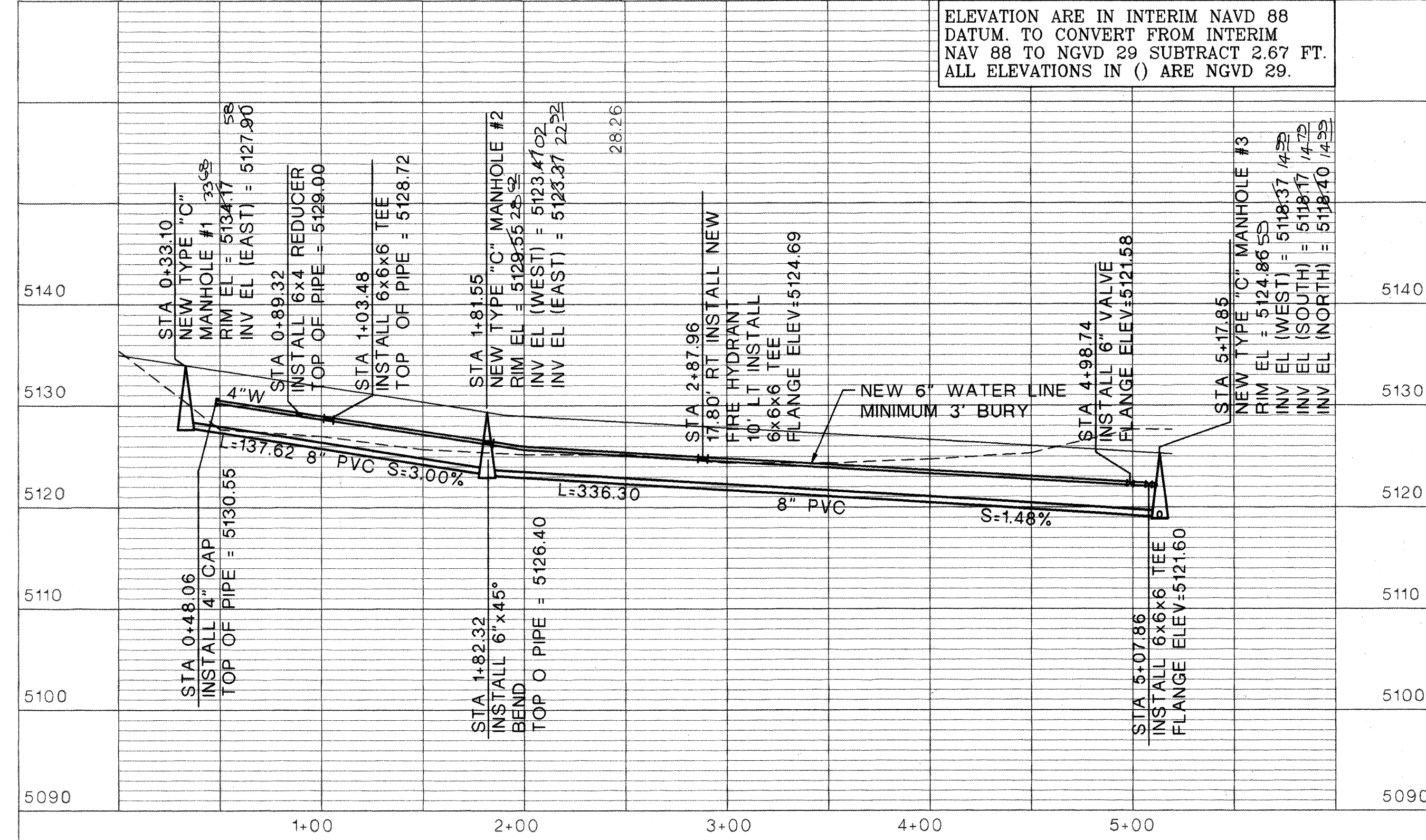


STARWOOD DRIVE UTILITY PLAN

SCALE: 1" = 50'

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

STARWOOD DRIVE UTILITY PROFILE



SURVEYORS CERTIFICATION

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Russ P. Hugg
NMPS No. 9750
FEB 12, 2005



LOT #	STATION	LENGTH
12	4+62.41	23.00
13	4+22.99	23.00
14	4+00.00	23.00
15	3+41.83	23.00
16	3+19.83	23.00
17	0+65.24	23.00
18	0+42.60	23.00
19	0+42.60	23.00
20	0+65.24	23.00

NOTE: WATER METER LOCATION ARE DESIGNATED BY STATIONING AT PROPERTY CORNERS.

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Engineering, Inc.

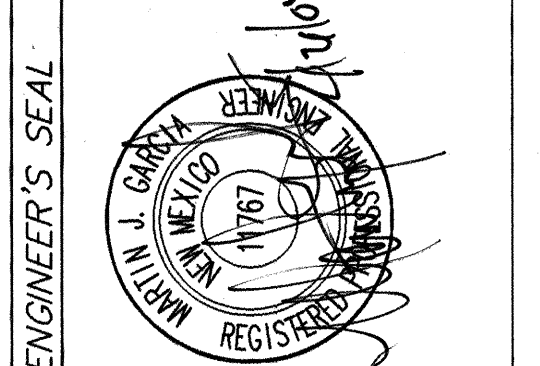
Engineers • Planners
Construction Services
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Albuquerque, NM 87112
505-255-7902 FAX 505-255-7902
ABQ NO. 22096

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: LAURELWOOD SOUTH SUBDIVISION STARWOOD DRIVE PLANS AND PROFILES			
Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED MAY 21 2004 DESIGN REVIEW COMMITTEE	APPROVED JUN - 8 2004 CITY ENGINEER		
City Project No. 699481	Zone Map No. H/J-10	SHEET 11	OF 17

SURVEY INFORMATION

FIELD NOTES	DATE
NO.	BY

ENGINEER'S SEAL
NO. DATE REMARKS BY



DESIGN
DESIGNED BY M. GARCIA DATE 04/21/2003
DRAWN BY N. GARCIA DATE 04/21/2003
CHECKED BY R. BOOTH DATE 04/21/2003

REVISIONS
NO. DATE

REVISIONS
NO. DATE

REVISIONS
NO. DATE

REVISIONS
NO. DATE

REVISIONS
NO. DATE

REVISIONS
NO. DATE

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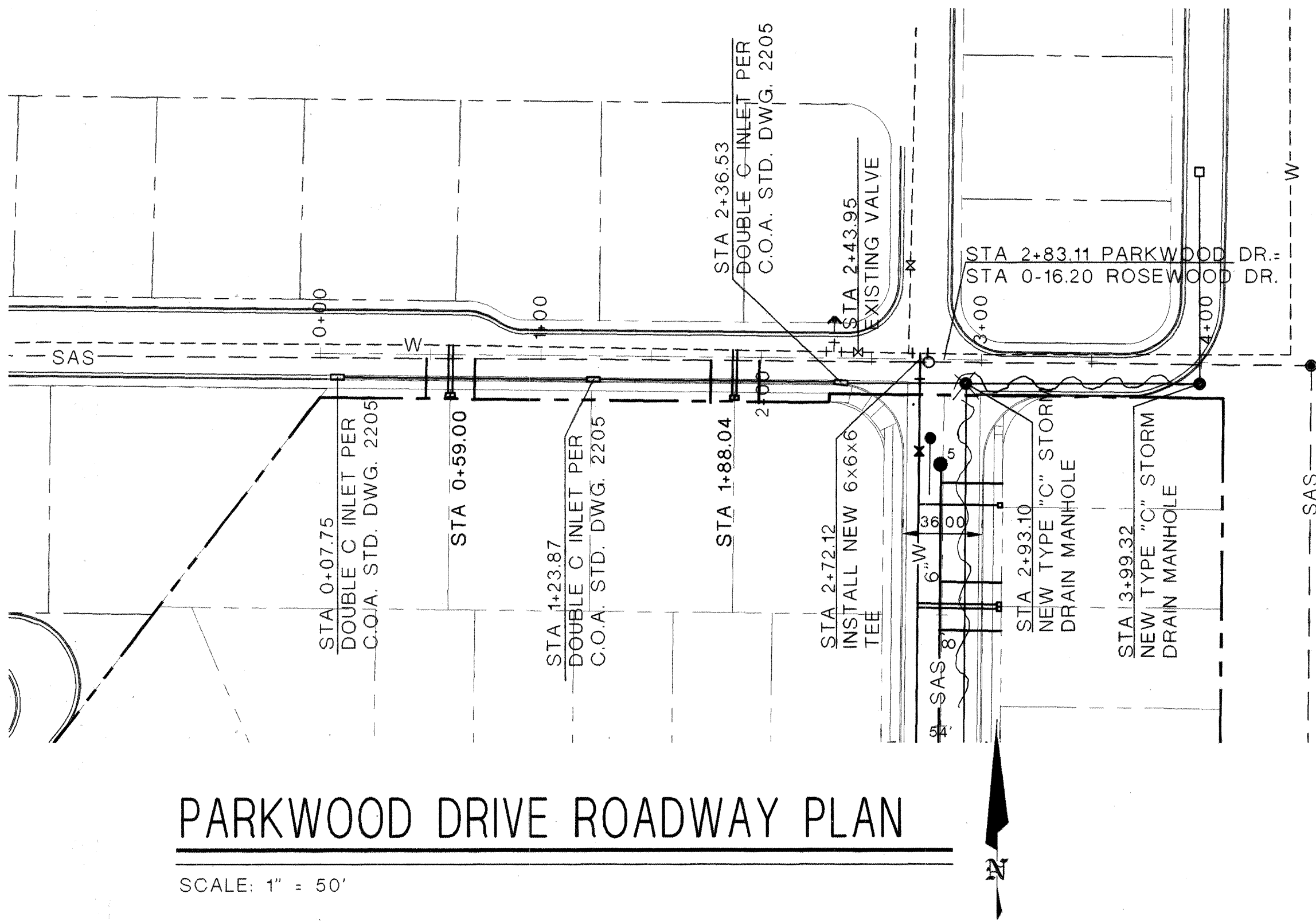
REVISIONS
NO. DATE

REVISIONS
NO. DATE

REVISIONS
NO. DATE

SCANNED
BY PLW

SCANNED BY PLN



PARKWOOD DRIVE SANITARY SEWER SERVICE		
LOT #	STATION	LENGHT
34	0+48.14	19.00
35	0+70.11	19.00
36	1+77.15	19.00
37	2+02.70	19.00

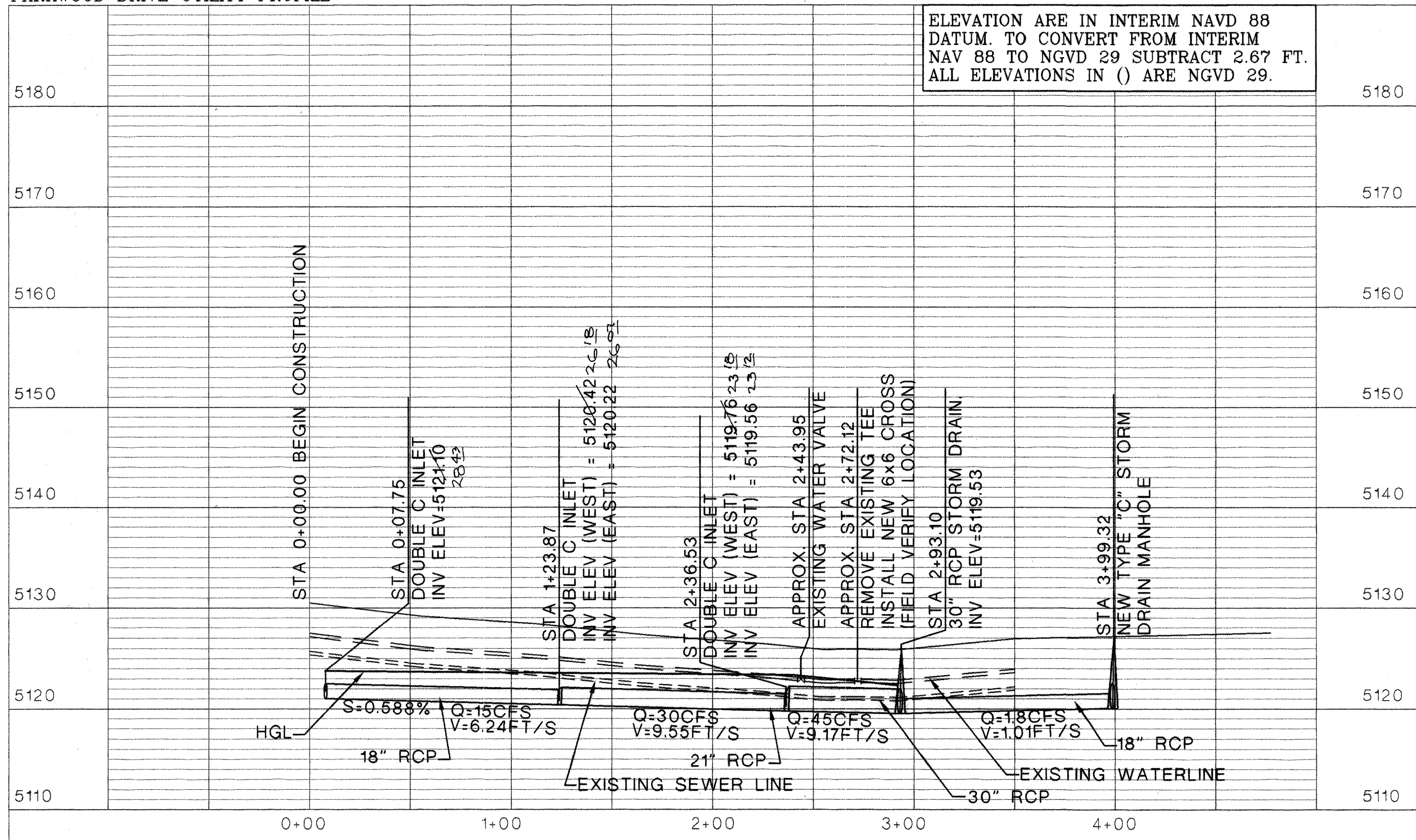
NOTE: WATER METER LOCATION
ARE DESIGNATED BY STATIONING
AT PROPERTY CORNERS.

PARKWOOD DRIVE ROADWAY PLAN

SCALE: 1" = 50'

PARKWOOD DRIVE UTILITY PROFILE

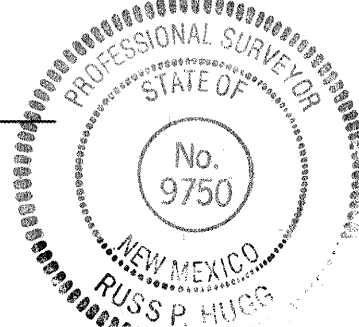
SCALE: 1" = 50' HORIZ
1" = 10' VERT



SURVEYORS CERTIFICATION

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Russ P. Hugg
NMPS No. 9750
Feb 12, 2005



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ABQ NO. 22096

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: LAURELWOOD SOUTH SUBDIVISION
PARKWOOD DRIVE
PLAN AND PROFILE

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED MAY 21 2004 DESIGN REVIEW COMMITTEE	APPROVED JUN - 8 2004 CITY ENGINEER		

City Project No. 699481 Zone Map No. H/J-10 SHEET 12 OF 17

AS BUILT INFORMATION

BENCH MARKS		
CONTRACTOR	SURVEY CONTROL STATION	WORK DATE
ALBUQUERQUE CONTROL	NEW MEXICO STATE PLANE MONUMENT 6-J10	3/04
INSPECTOR	CENTRAL ZONE, NAD 1927	1/05
FIELD	X = 360,369.13 ; Y = 1,492,117.53	1/05
VERIFICATION BY SURV-TEK	G/G FACTOR = 0.99967760	2/05
CORRECTED BY SURV-TEK	DELTA ALPHA = -00°18'00"	
RECORDED BY	NO.	DATE
NGVD 1929 ELEVATION = (5117.133)	(TRANSFORMATION FROM NAD 27 TO NAD 88 WAS DONE USING CORPSCON V5.11.08.)	

BENCH MARKS

ALBUQUERQUE CONTROL SURVEY CONTROL STATION	STATION
NEW MEXICO STATE PLANE MONUMENT 6-JTO	
CENTRAL ZONE, NAD 1927	
X = 360,369.13 ; Y = 1,492,117.53	
G/G FACTOR = 0.99967760	
DELTA ALPHA = -00°18'00"	
NGVD 1929 ELEVATION = (5117.133)	
(TRANSFORMATION FROM NAD 27 TO NAD 88 WAS DONE USING CORPSCON V5.11.06)	

SURVEY INFORMATION

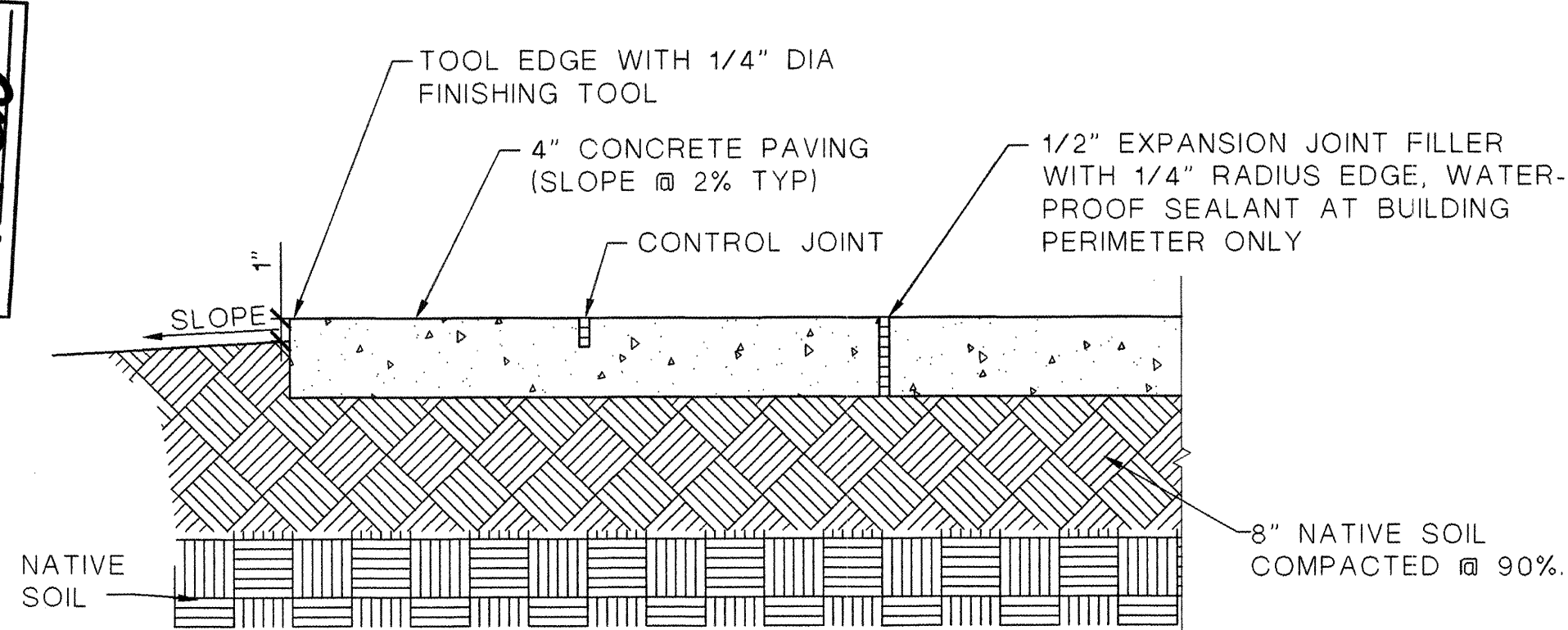
FIELD NOTES	BY	DATE

ENGINEER'S SEAL



	</				

SCANNED BY: *plw*

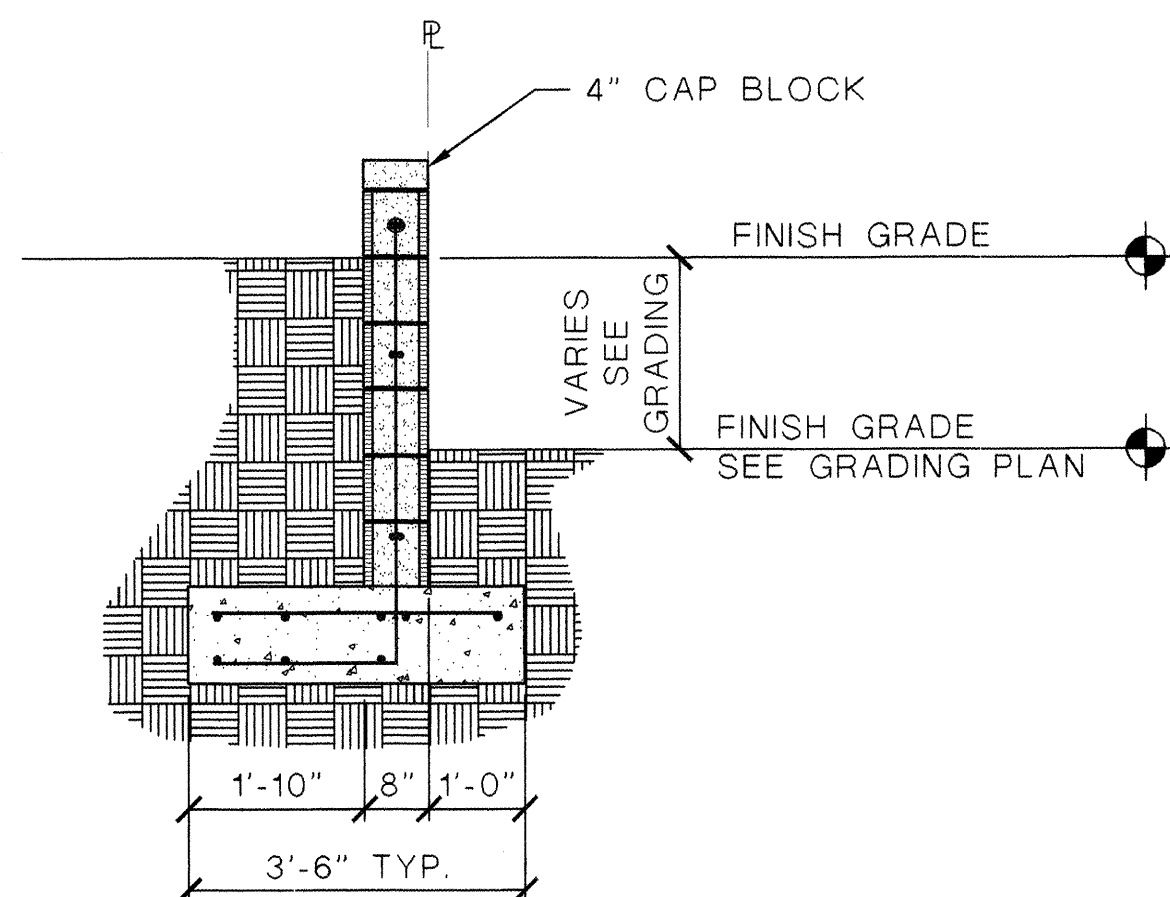


NOTE: PROVIDE TRANSVERSE CONTROL JOINTS AT INTERVALS NOT EXCEEDING 6'-0" ON CENTER. PROVIDE CENTERLINE CONTROL JOINTS IN SIDEWALK WIDER THAN 8'-0". SPACING OF CENTERLINE CONTROL JOINTS SHALL NOT EXCEED 6'-0" OR AS SHOWN ON PLANS. PROVIDE EXPANSION JOINTS AT INTERVALS NOT EXCEEDING 20'-0" ON CENTER WHERE WALK DOES NOT ABUT CURB.

SIDEWALK DETAIL

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

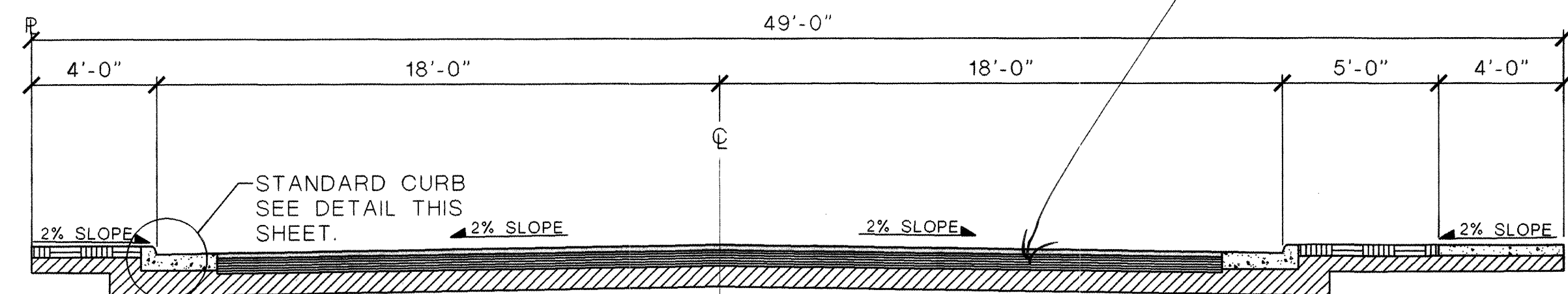
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14



RETAINING WALL SECTION

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

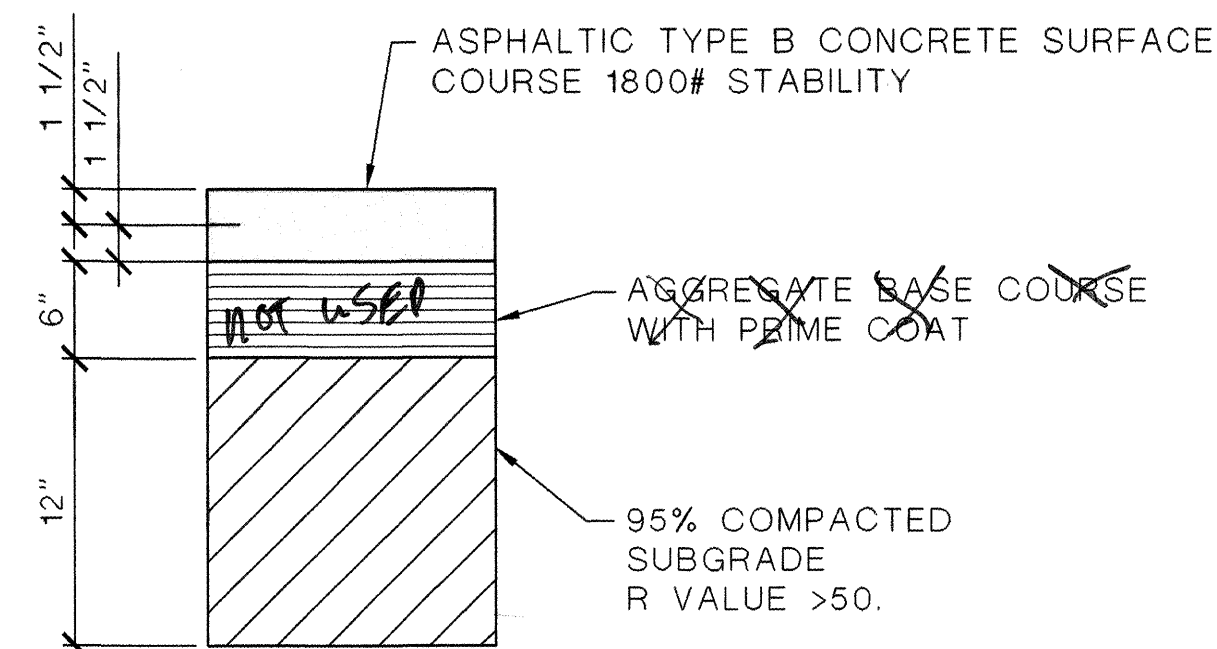
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ROADWAY SECTION (ROSEWOOD DRIVE) STATION 4+00 TO END OF DRIVE

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

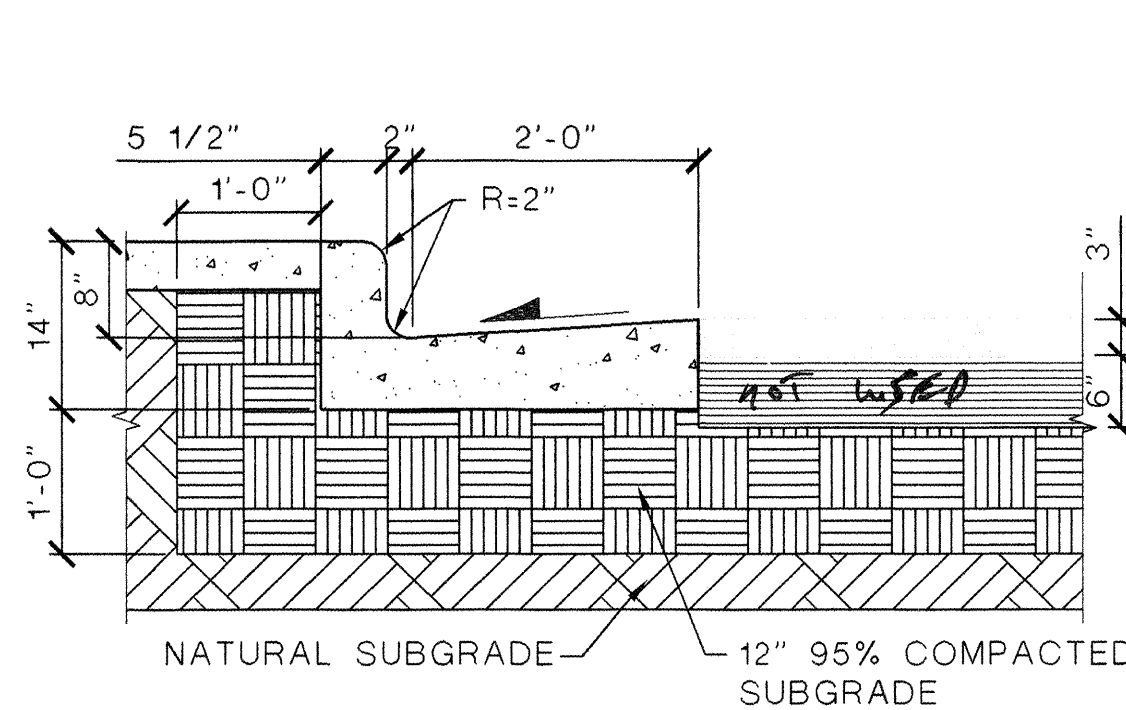
8
14



ASPHALT DETAIL

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

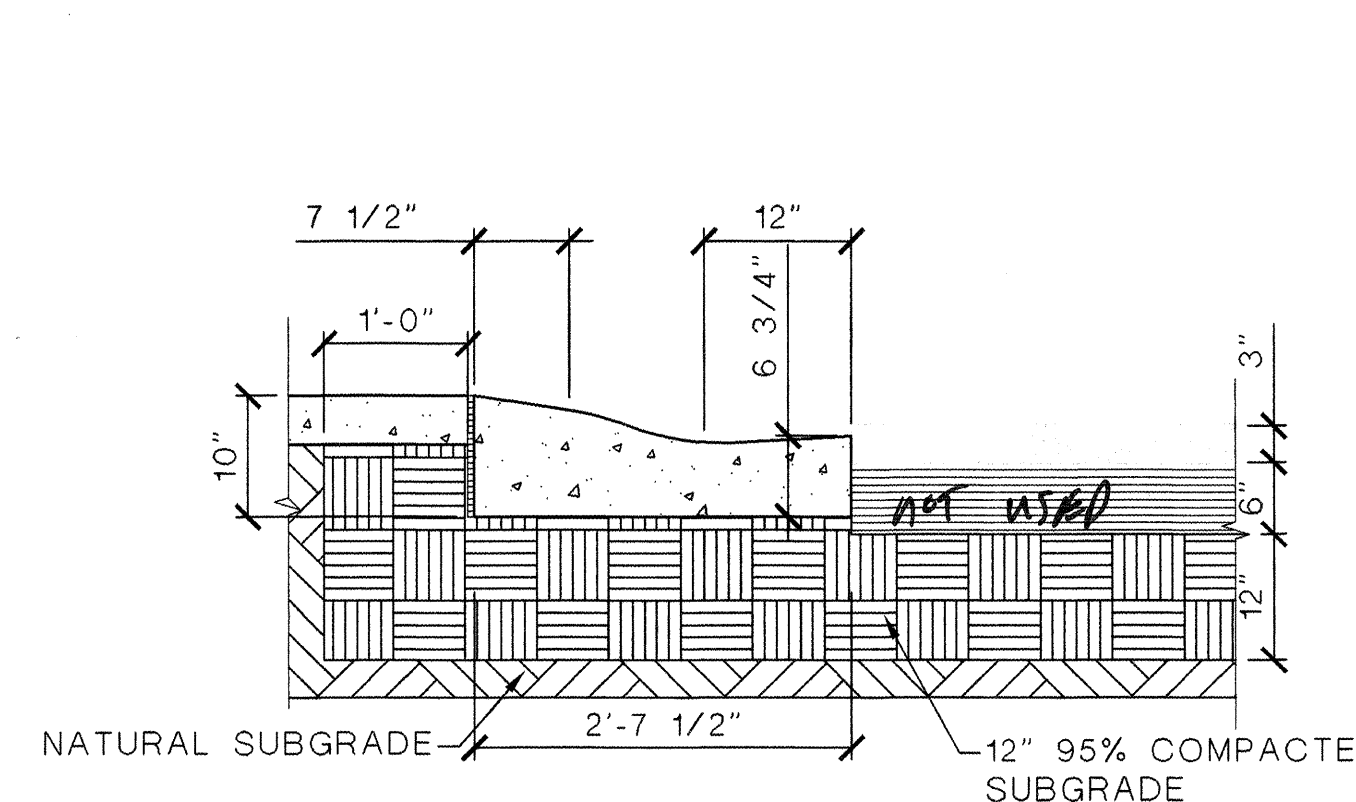
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STANDARD CURB AND GUTTER

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

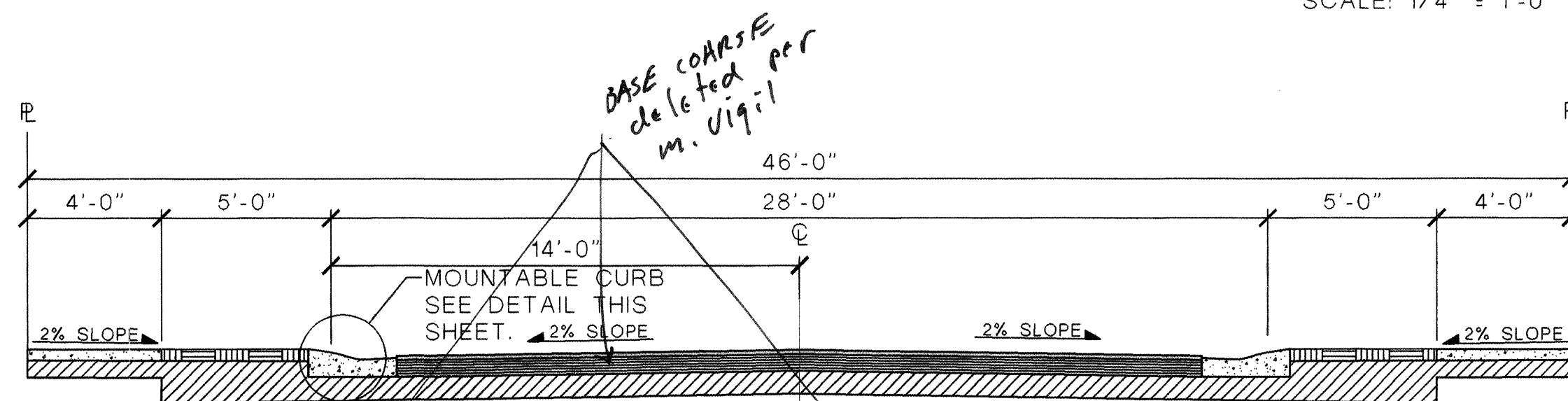
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MOUNTABLE CURB - ROLL TYPE

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

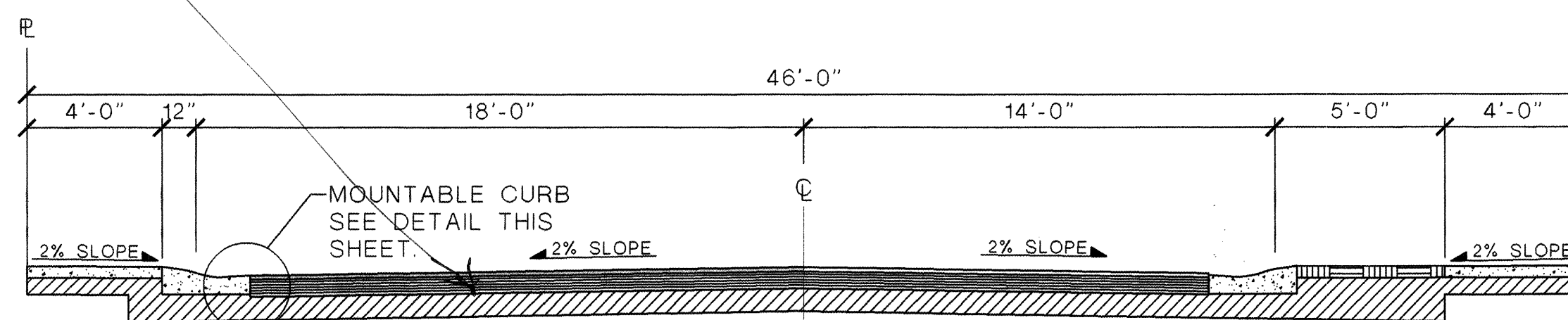
4
14



ROADWAY SECTION (STARWOOD DR., INWOOD CT)

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

7
14



ROADWAY SECTION (STARWOOD DRIVE) STATION 1+07.89 TO STATION 2+92.77

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

9
14

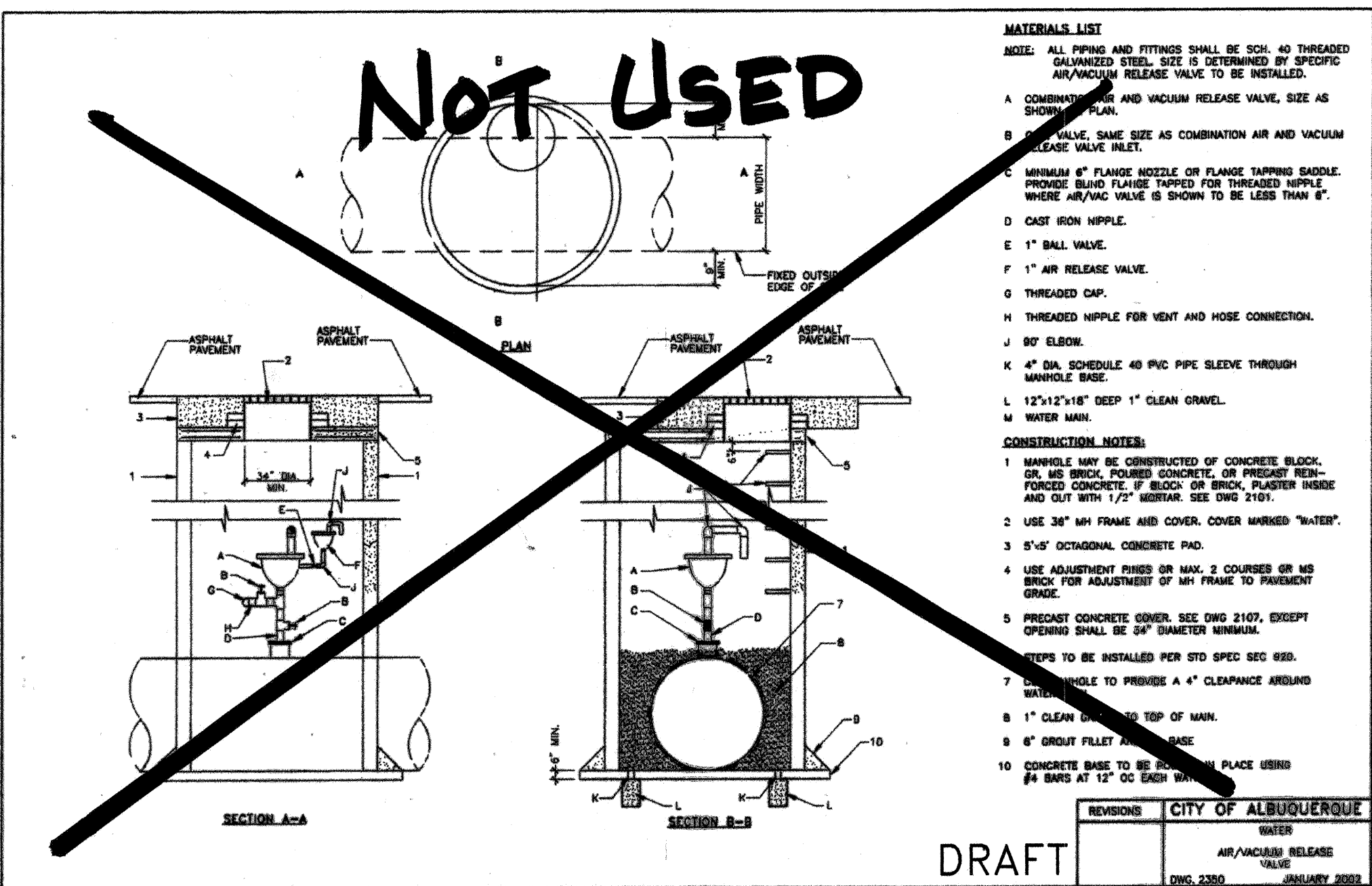
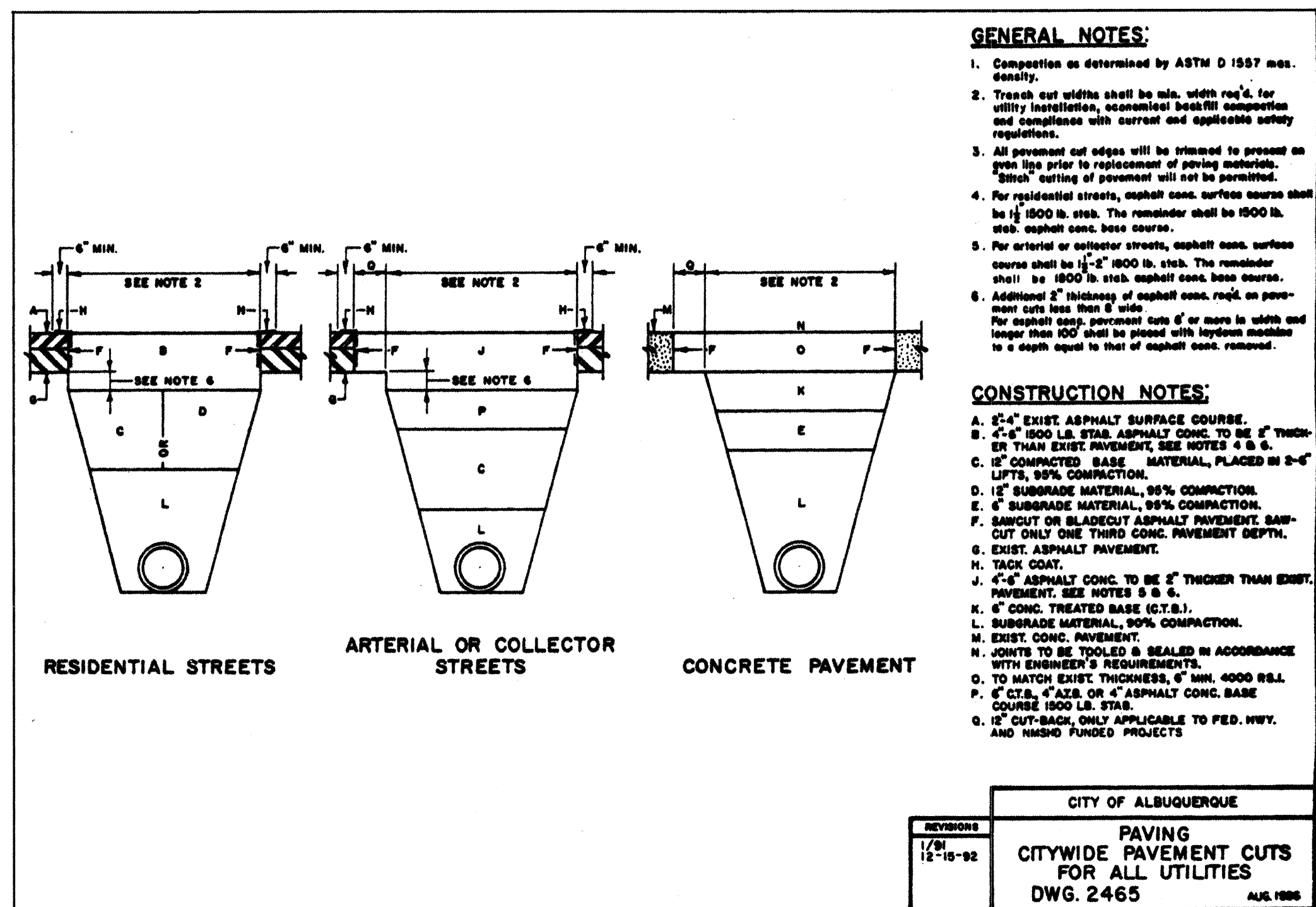
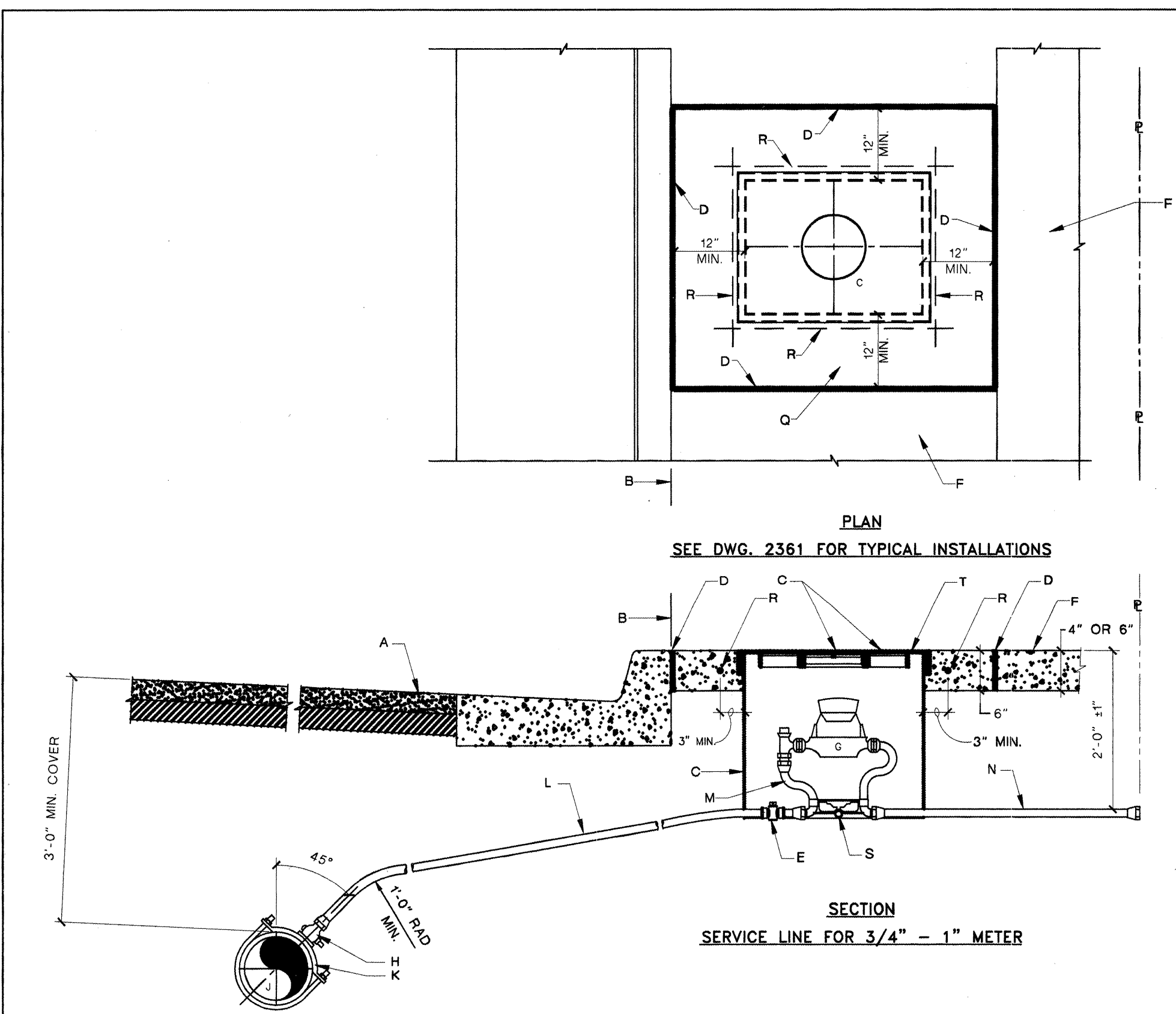
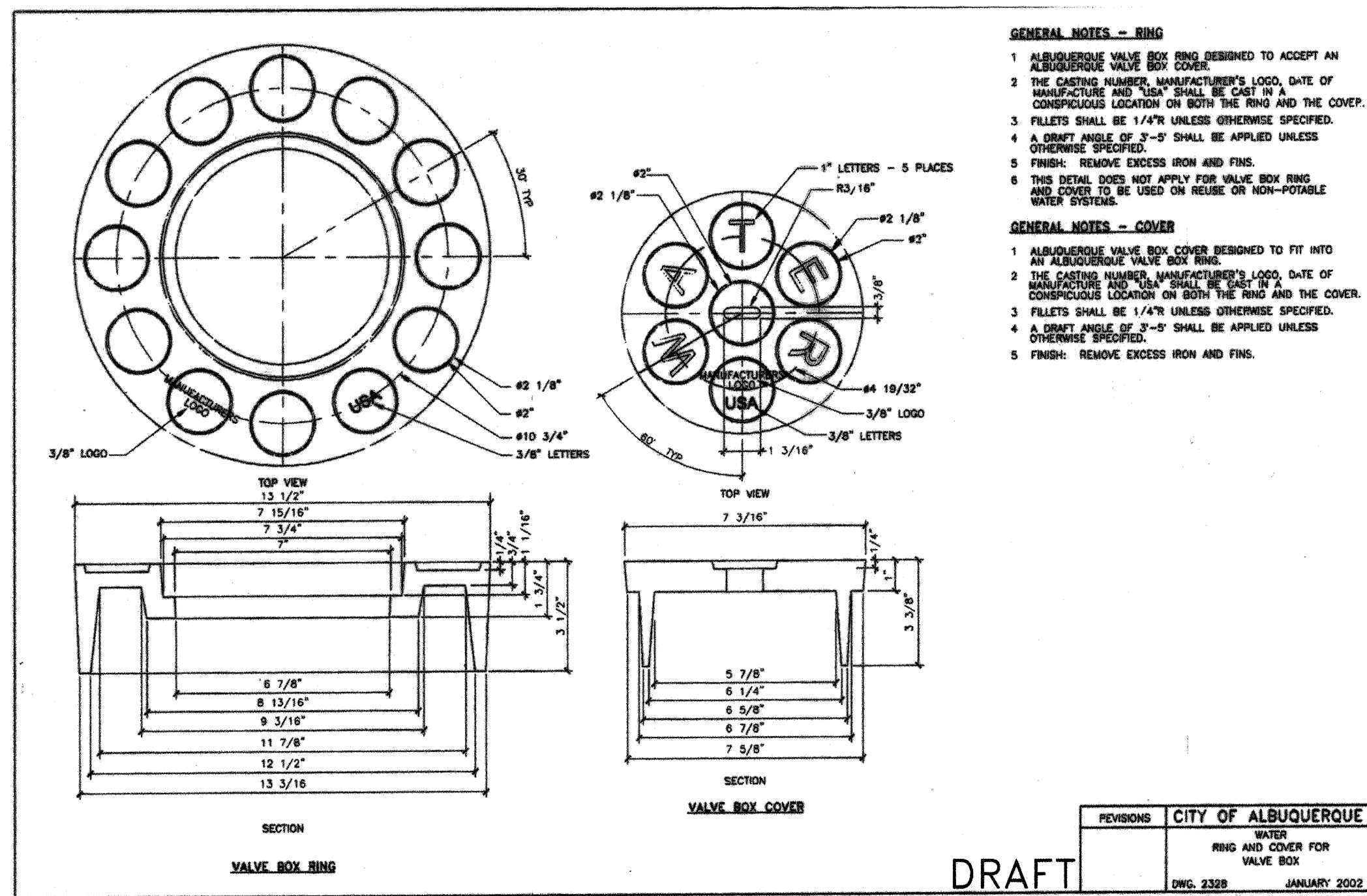
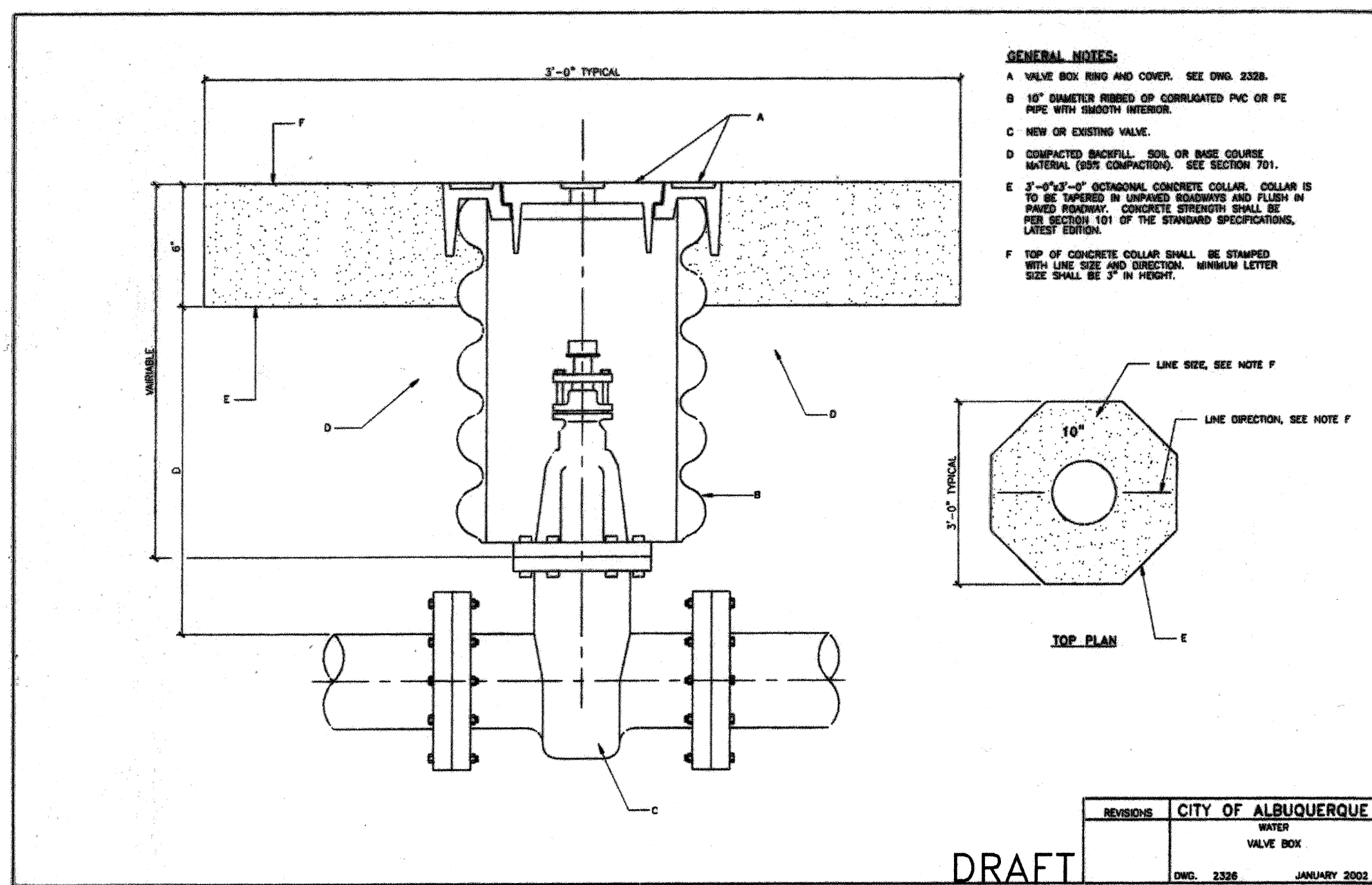
AS BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				ENGINEER'S SEAL				REVISIONS			
CONTRACTOR	SAULS BROS.	WORK	DATE	ALBUQUERQUE	CONTROL	STATION	DATE	NO.	BY	DATE	NO.	DATE	REMARKS	NO.	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	DATE
SAULS BROS.	3/6/4	NEW MEXICO STATE PLANE MONUMENT 6-JTO	6-JTO	NEW MEXICO STATE PLANE MONUMENT 6-JTO	6-JTO	6-JTO	6-JTO									M. GARCIA	F. PHILLIPS	M. GARCIA	04/21/2003
SAULS BROS.	3/6/4	CENTRAL ZONE, NAD 1927	1927	CENTRAL ZONE, NAD 1927	1927	1927	1927												04/21/2003
SAULS BROS.	3/6/4	X = 360,369.13 ; Y = 1,492,117.53	1,492,117.53	X = 360,369.13 ; Y = 1,492,117.53	1,492,117.53	1,492,117.53	1,492,117.53												04/21/2003
SAULS BROS.	3/6/4	G/G FACTOR = 0.99967760	0.99967760	G/G FACTOR = 0.99967760	0.99967760	0.99967760	0.99967760												04/21/2003
SAULS BROS.	3/6/4	DELTA ALPHA = -00°18'00"	-00°18'00"	DELTA ALPHA = -00°18'00"	-00°18'00"	-00°18'00"	-00°18'00"												04/21/2003
SAULS BROS.	3/6/4	NGVD 1929 ELEVATION = (5117.133)	(5117.133)	NGVD 1929 ELEVATION = (5117.133)	(5117.133)	(5117.133)	(5117.133)												04/21/2003
SAULS BROS.	3/6/4	(TRANSFORMATION FROM NAD 27 TO NAD 83 WAS DONE USING CORPSCON V5.11.08.)	(TRANSFORMATION FROM NAD 27 TO NAD 83 WAS DONE USING CORPSCON V5.11.08.)	(TRANSFORMATION FROM NAD 27 TO NAD 83 WAS DONE USING CORPSCON V5.11.08.)	(TRANSFORMATION FROM NAD 27 TO NAD 83 WAS DONE USING CORPSCON V5.11.08.)	(TRANSFORMATION FROM NAD 27 TO NAD 83 WAS DONE USING CORPSCON V5.11.08.)	(TRANSFORMATION FROM NAD 27 TO NAD 83 WAS DONE USING CORPSCON V5.11.08.)												04/21/2003

ABQ
Engineering,
Inc.

•Engineers •Planners
•Construction Services
1631 Eubank NE, Suite C,
Albuquerque, NM 87112
505-255-7802 FAX 505-255-7902
ABQ NO. 22096

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: LAURELWOOD SOUTH SUBDIVISION TYPICAL SECTIONS AND DETAILS			
Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED JUN - 5 2003 DESIGN REVIEW COMMITTEE	APPROVED CITY ENGINEER		
City Project No.	Zone Map No.	SHEET	OF
699481	H/J-10	14	17

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Engineering,
Inc.

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Construction Services
1631 Eubank NE, Suite C,
Albuquerque, NM 87112
505-255-7902 FAX 505-255-7902
ABQ NO. 22086

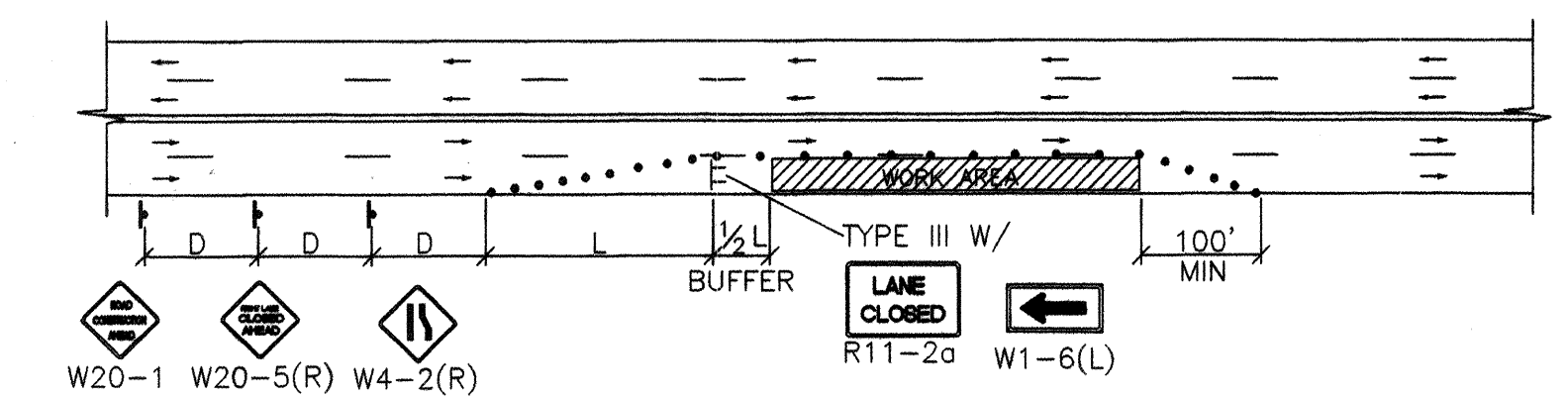
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
TITLE: LAURELWOOD SOUTH SUBDIVISION C.O.A. STANDARD DETAILS	
Design Review Committee	City Engineer Approval
FOR INFORMATION ONLY C.O.A. STANDARDS	FOR INFORMATION ONLY C.O.A. STANDARDS
City Project No. 699481	Zone Map No. H/J-10
SHEET 15 OF 17	

AS BUILT INFORMATION	
CONTRACTOR	SALE DEER
DATE	DATE
INSPECTOR	DATE
STAKE BY	DATE
FIELD BY	DATE
FIELD CHECK BY	DATE
VERIFICATION BY	DATE
DRAWING BY	DATE
CONSTRUCTION BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	NO.

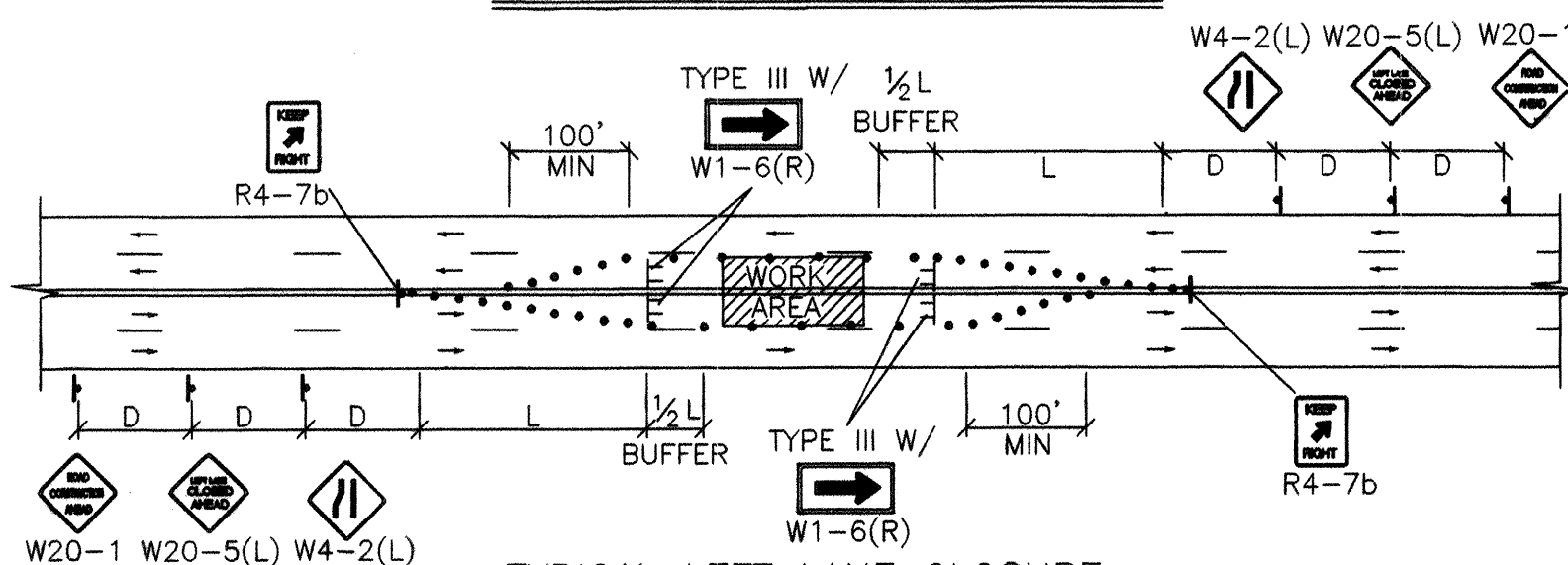
SURVEY INFORMATION	
ALBUQUERQUE CONTROL SURVEY CONTROL STATION	NEW MEXICO STATE PLANE MONUMENT 6-J10
CENTRAL ZONE, NAD 1927	X = 360,369.13 ; Y = 1,492,117.53
G/G FACTOR = 0.99967760	DELTA ALPHA = -0018'00"
NGVD 1929 ELEVATION = (5117.133)	(TRANSFORMATION FROM NAD 27 TO NAD 88 WAS DONE)
USING CORPSCON V5.11.08.)	

ENGINEER'S SEAL	
FOR INFORMATION ONLY C.O.A. STANDARDS	

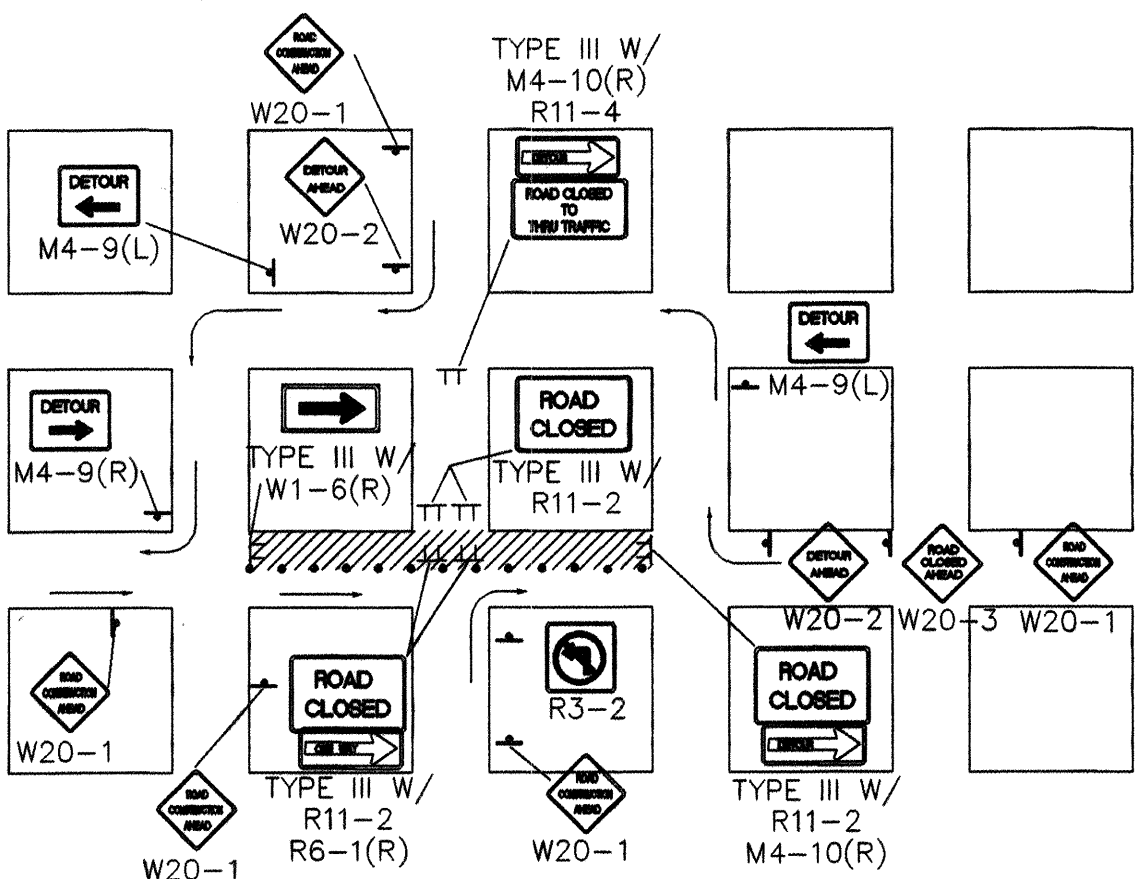
REVISIONS	
NO.	DATE
BY	DATE
REMARKS	DATE
DESIGN	DATE
DESIGNED BY M. GARCIA	DATE 04/21/2003
DRAWN BY N. GARCIA	DATE 04/21/2003
CHECKED BY M. GARCIA	DATE 04/21/2003



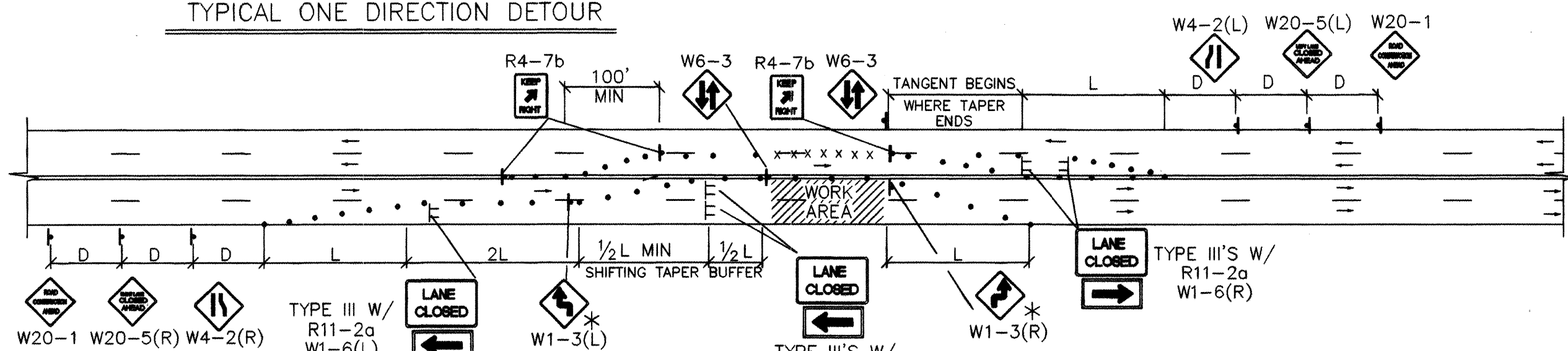
TYPICAL RIGHT LANE CLOSURE



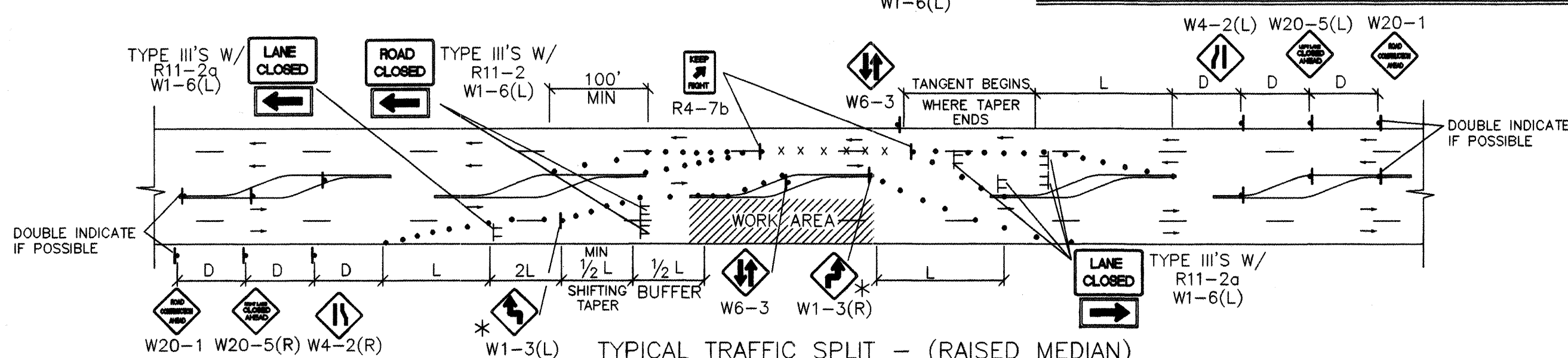
TYPICAL LEFT LANE CLOSURE



TYPICAL ONE DIRECTION DETOUR

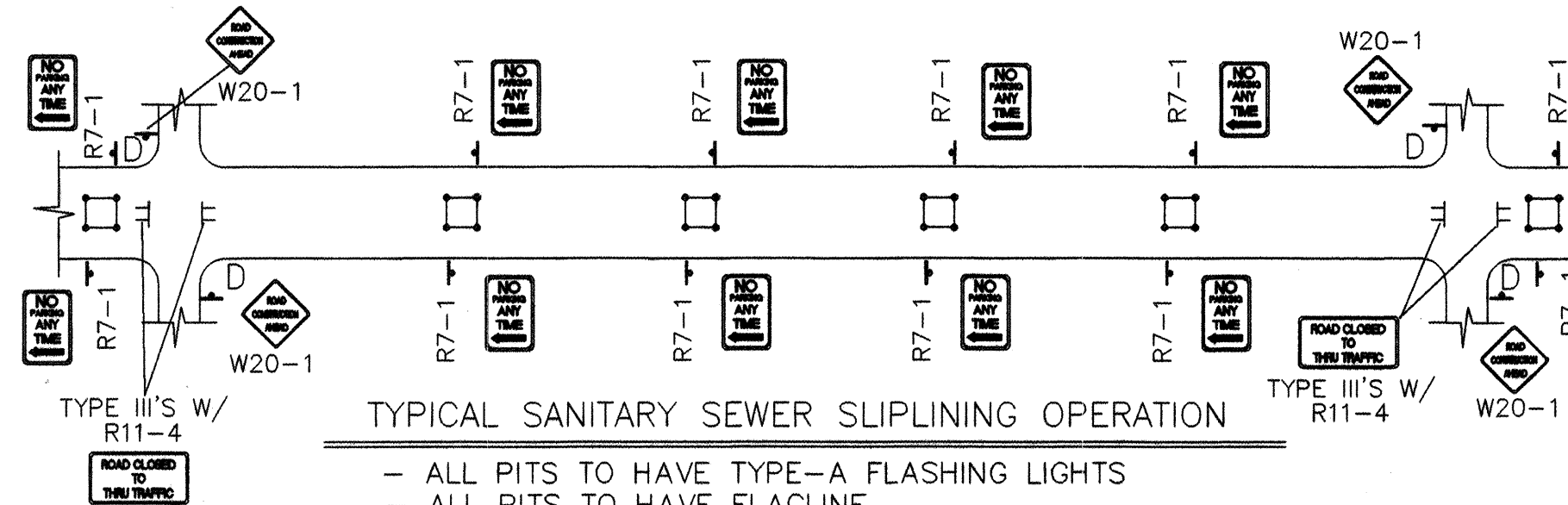


TYPICAL TRAFFIC SPLIT - (PAINTED MEDIAN)



TYPICAL TRAFFIC SPLIT - (RAISED MEDIAN)

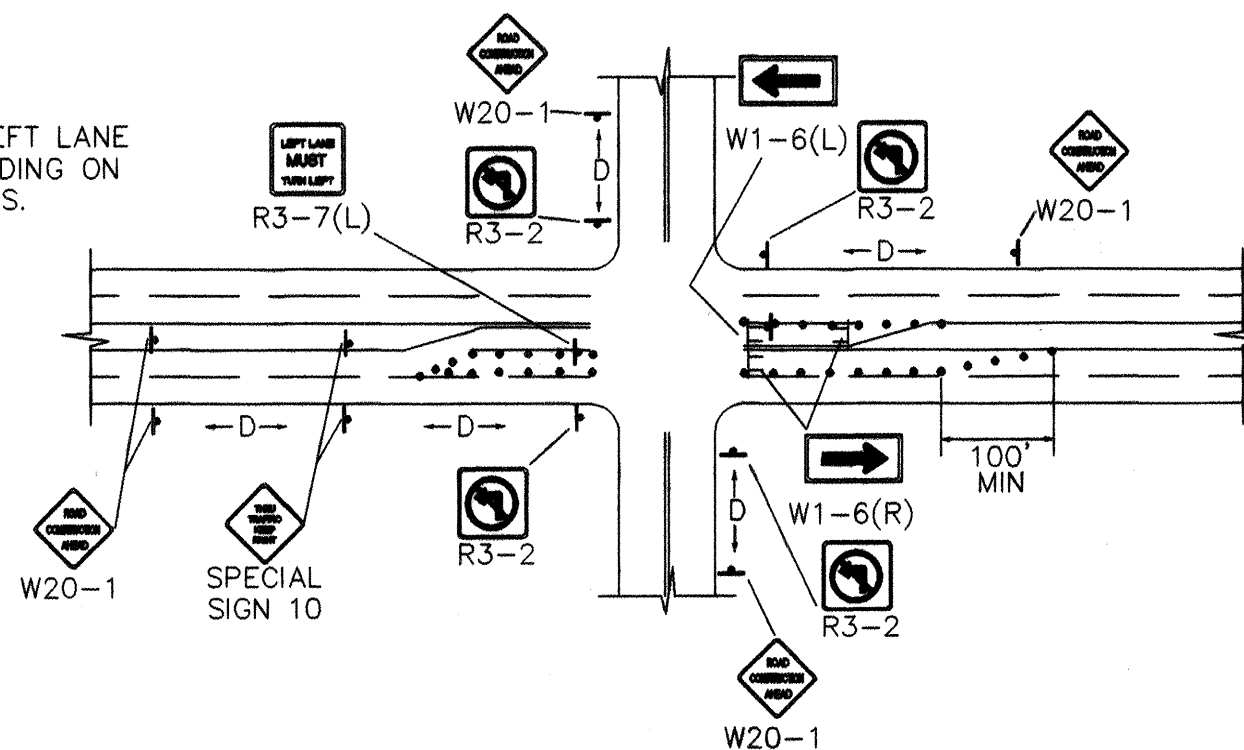
- TRAFFIC SPLIT NOTES:
1. THE OFFSET DISTANCE MUST BE CALCULATED IN ALL SHIFTING TAPERS. THE OFFSET DISTANCES SHALL INCLUDE LANE WIDTHS PLUS MEDIAN WIDTHS.
 2. 1/2 L IS THE MINIMUM DISTANCE FOR SHIFTING TAPERS.
 3. REVERSE CURVES MAY BE IMPLEMENTED. ALL CURVE DATA SHALL BE CALCULATED.
 4. MEDIAN REMOVAL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



TYPICAL SANITARY SEWER SLIPLINING OPERATION

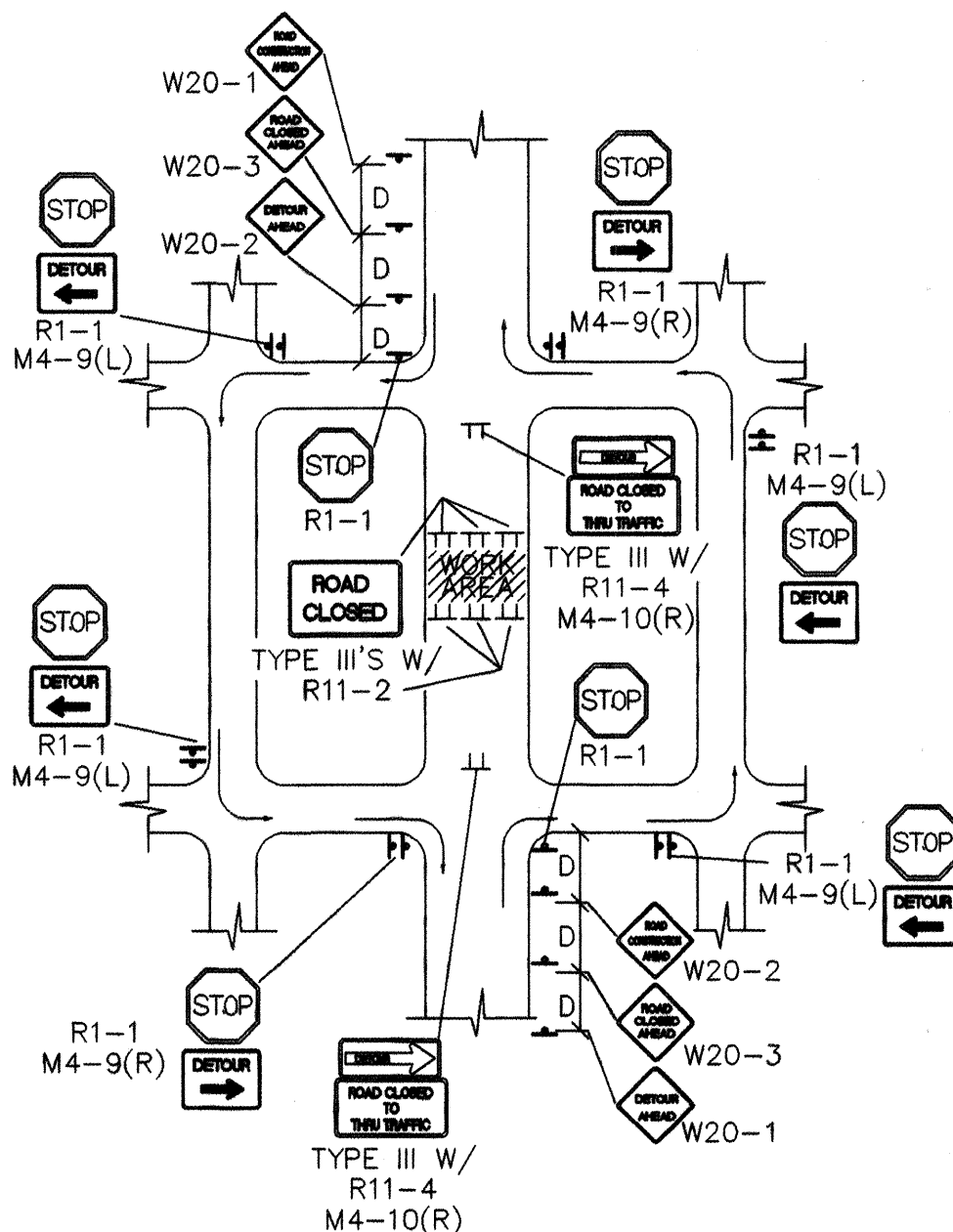
- ALL PITS TO HAVE TYPE-A FLASHING LIGHTS
- ALL PITS TO HAVE FLAGLINE

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



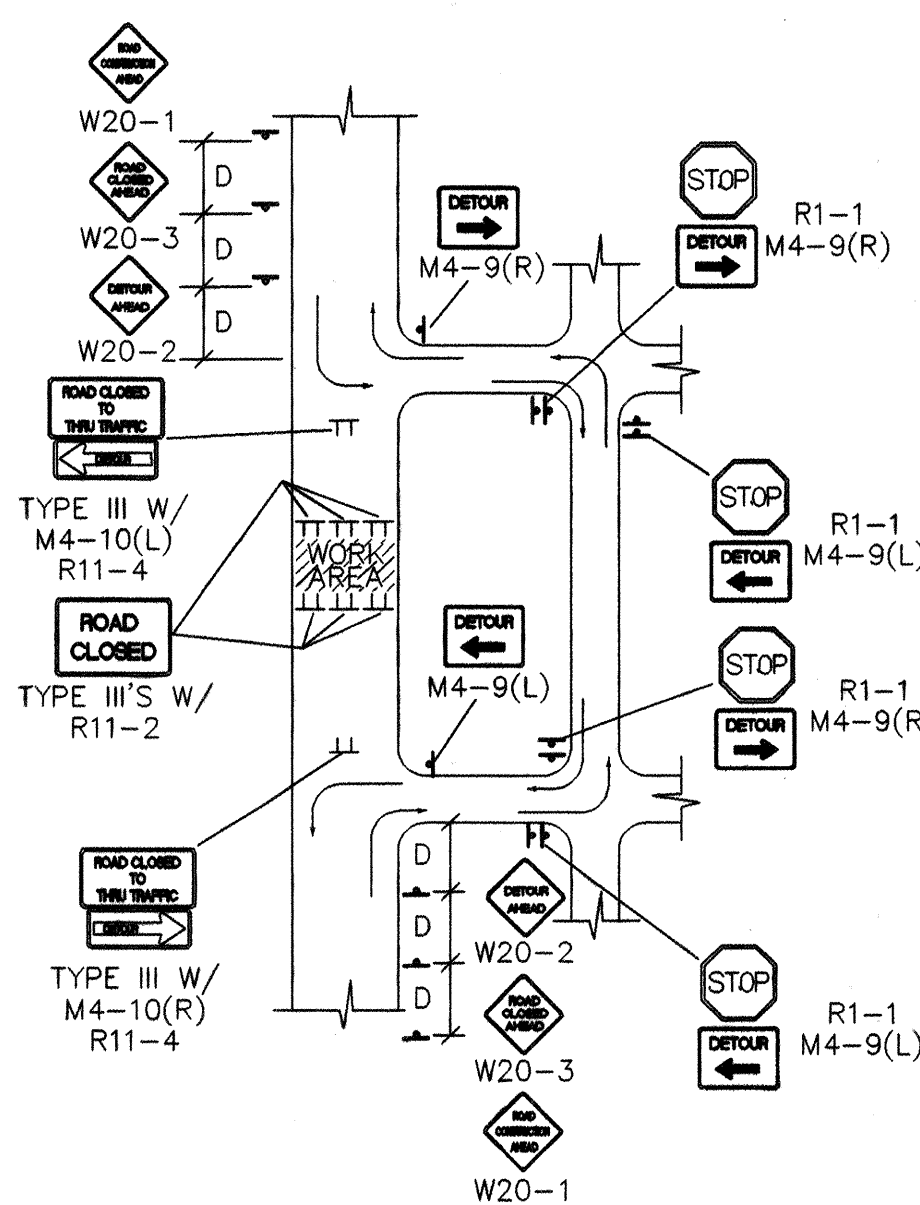
TYPICAL LANE CLOSURE AT INTERSECTION

NOTE: DEPENDING ON WORK ZONE LOCATION.



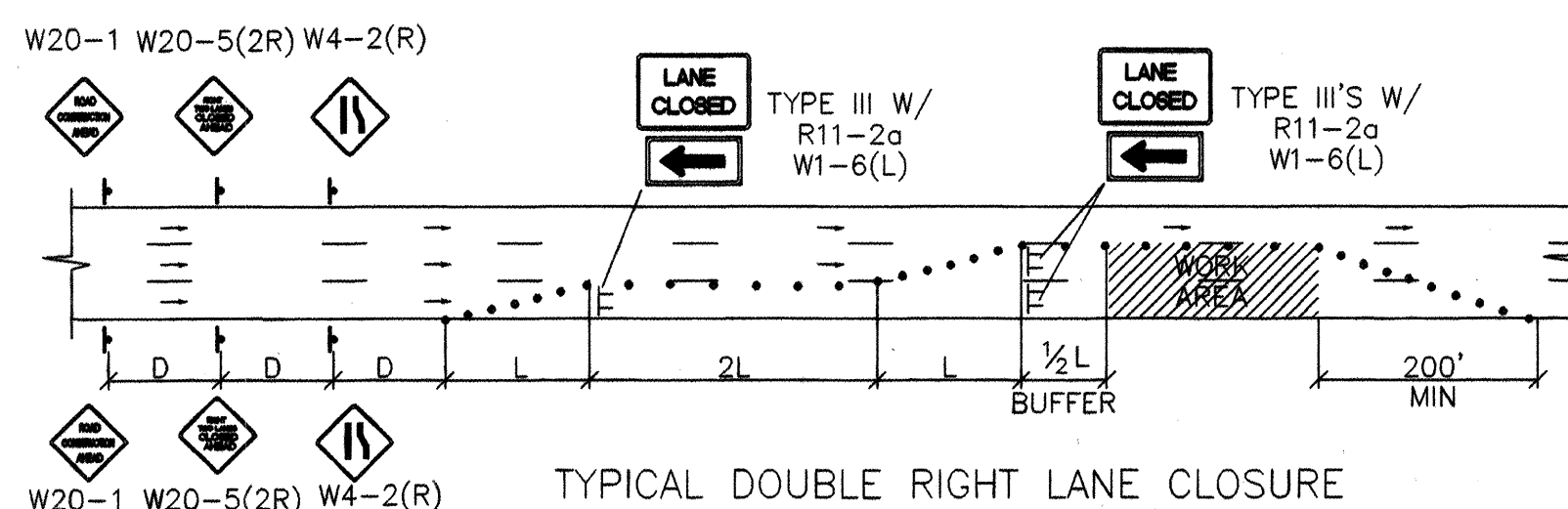
TYPICAL MID-BLOCK CLOSURE

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

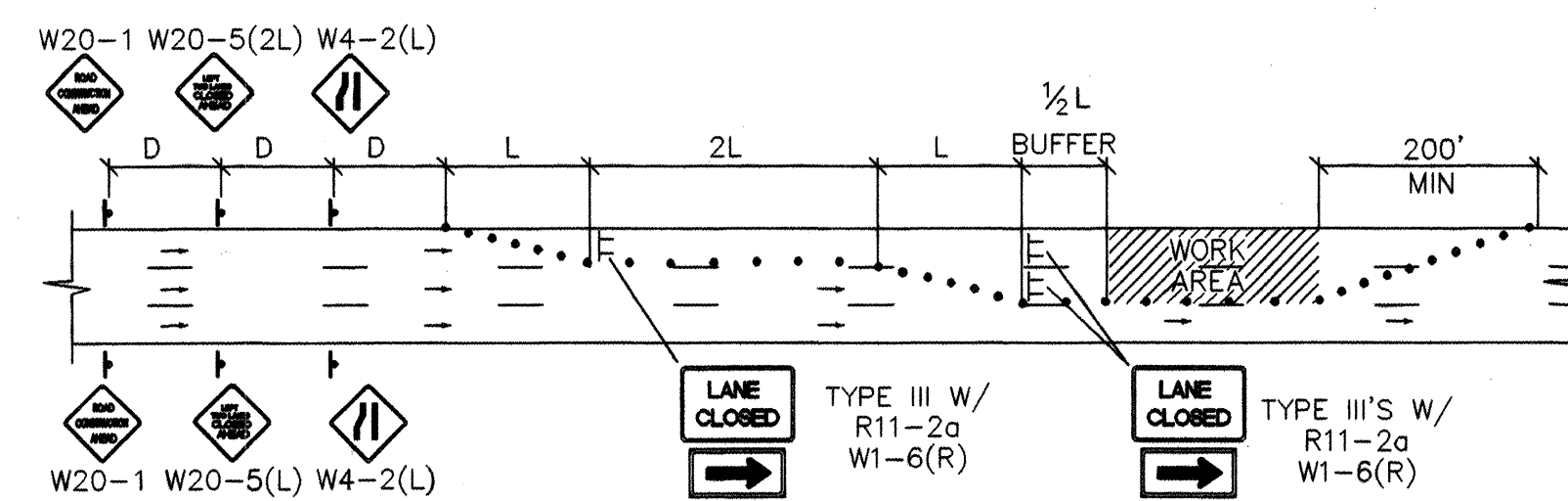


TYPICAL STREET CLOSURE

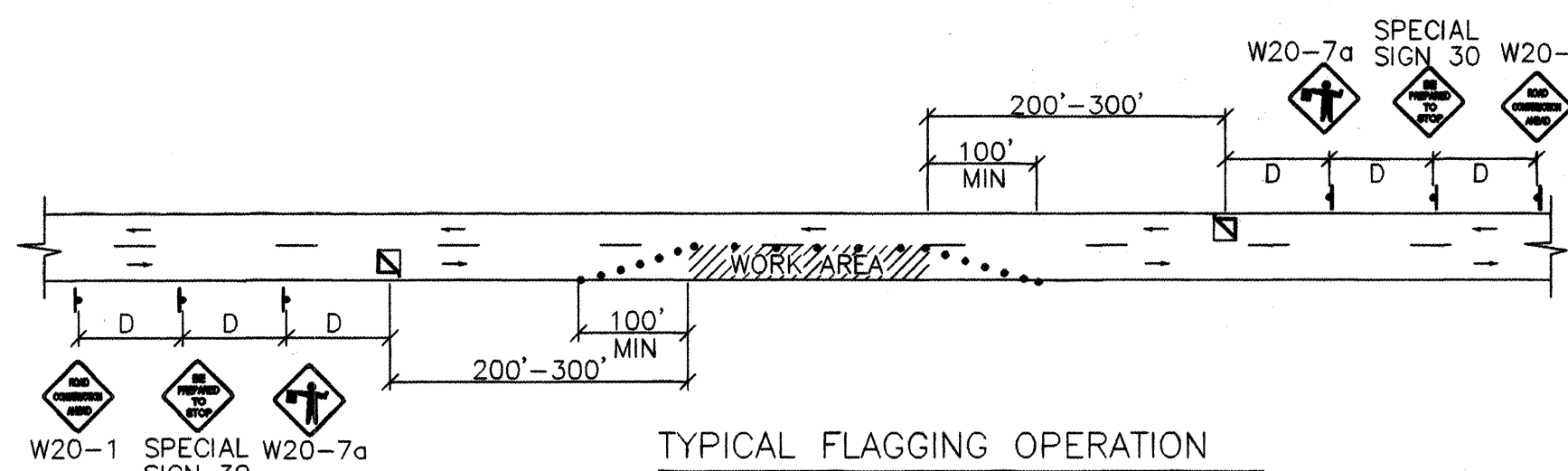
NOTE: (R1-1) BASED ON FIELD CONDITIONS.



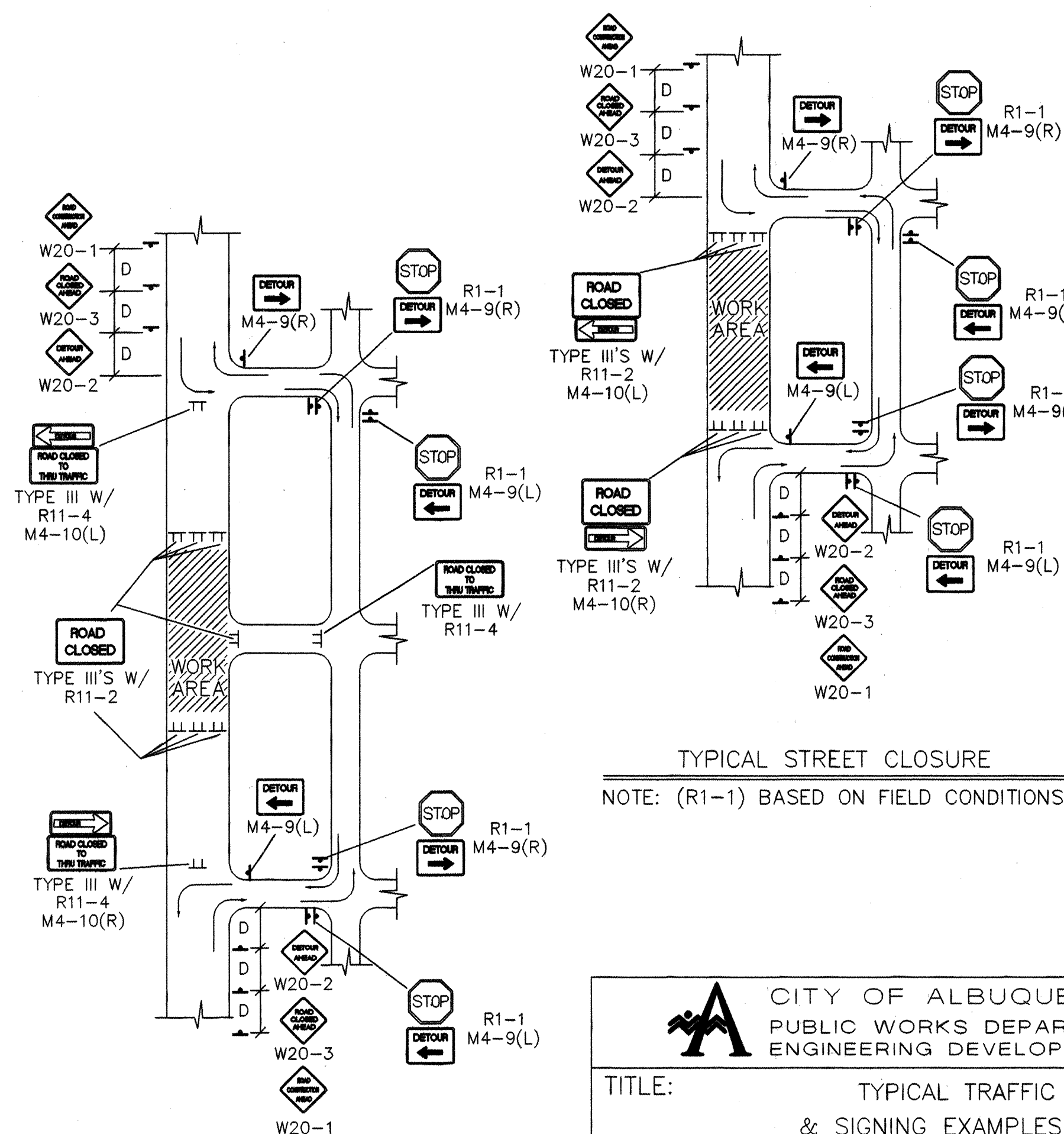
TYPICAL DOUBLE RIGHT LANE CLOSURE



TYPICAL DOUBLE LEFT LANE CLOSURE



TYPICAL FLAGGING OPERATION



TYPICAL STREET CLOSURE

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



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: TYPICAL TRAFFIC CONTROL
& SIGNING EXAMPLES (REF MUTCD)

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
FOR INFORMATION ONLY C.O.A. STANDARD	FOR INFORMATION ONLY C.O.A. STANDARD	LAST DESIGN UPDATE	

CITY PROJECT NO. 699487 ZONE MAP NO. H/J-10 SHEET 16 OF 17

AS-BUILT INFORMATION	CONTRACTOR	DATE	NO.
BENCH MARKS	Sway-Tek	9/24/97	16
SURVEY INFORMATION	INSPECTOR	DATE	NO.
FIELD NOTES	Sway-Tek	9/24/97	16
ENGINEER'S SEAL	DESIGNED BY	DATE	NO.
	BOHANNAN HUSTON	9/24/97	16
	DRAWN BY	DATE	NO.
	BOHANNAN HUSTON	9/24/97	16
	CHECKED BY	DATE	NO.
	BOHANNAN HUSTON	9/24/97	16

GENERAL NOTE:
ALL CONSTRUCTION WARNING
SIGNS SHALL HAVE A BLACK
LEGEND ON AN 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.

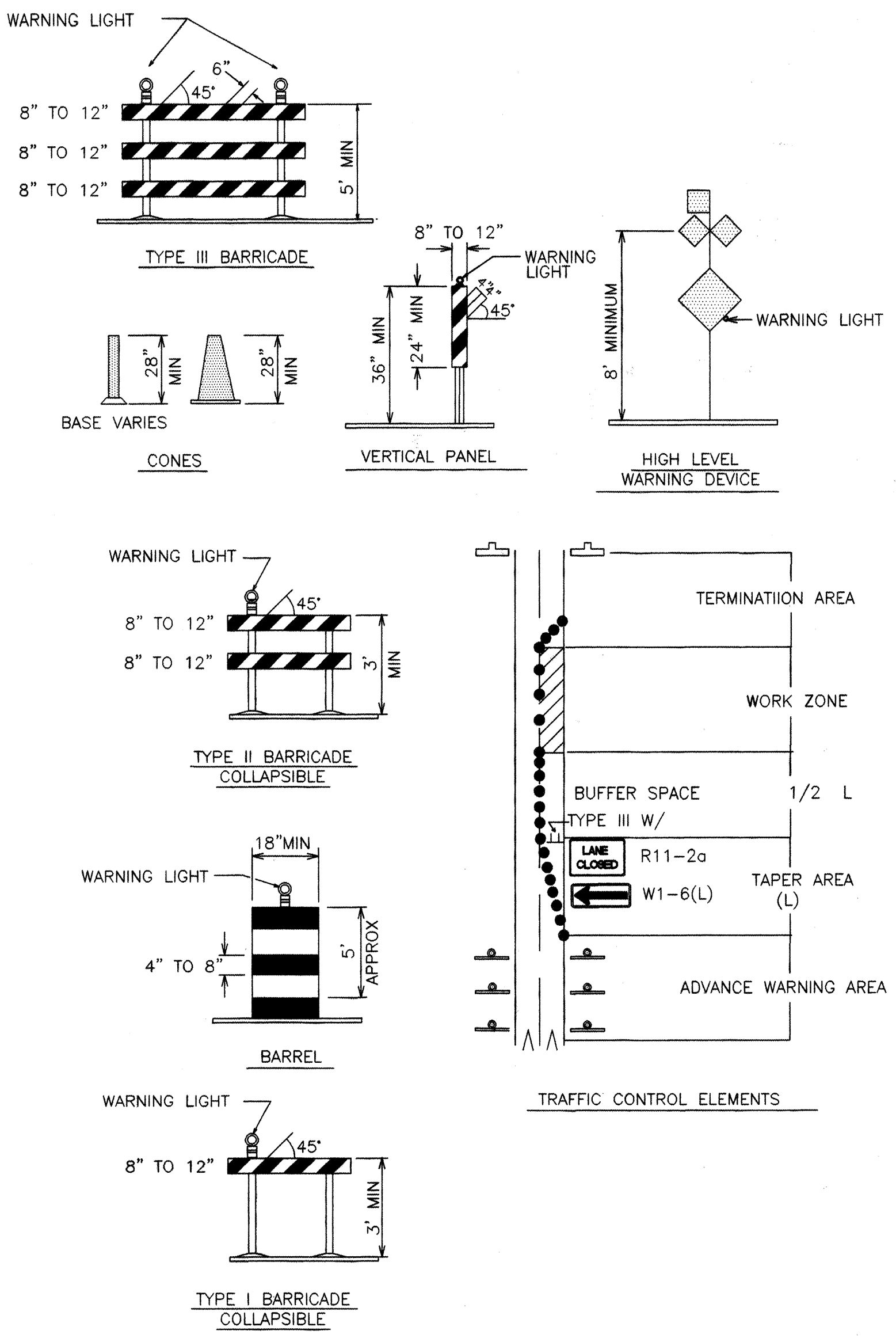
SCANNED BY *pd*

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 TRAVELED 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 OCCUPYING OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.
20. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

21. EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.
22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
1. STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
2. THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
3. SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.
23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.
24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION, WASHING OF EQUIPMENT IS INCIDENTAL TO IT'S PLACEMENT AND MAINTENANCE.
25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

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



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 STREET 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 LIMIT (MPH)	MINIMUM DISTANCE IN FEET BETWEEN SIGNS	MINIMUM 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

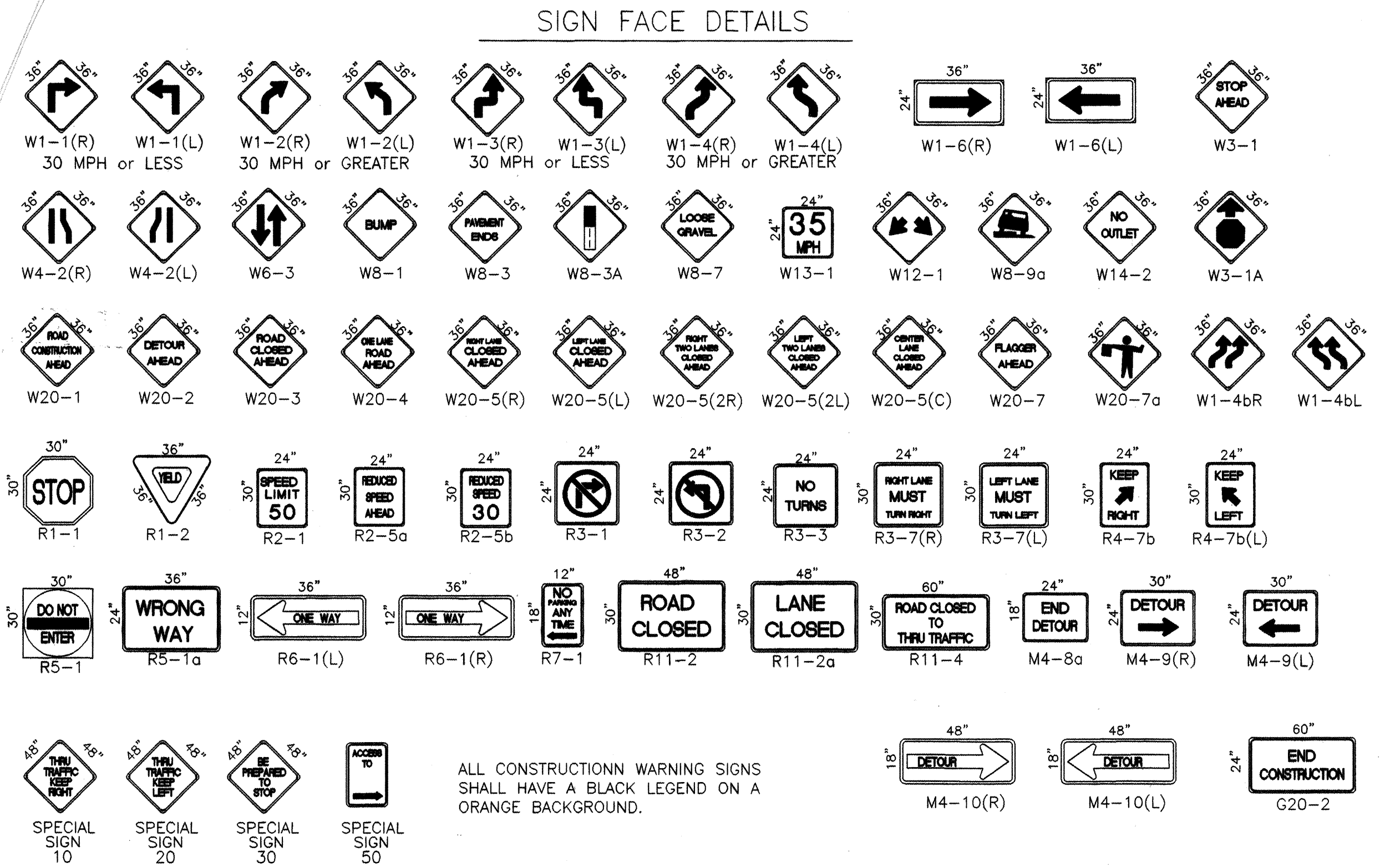
TAPER CRITERIA

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

TAPER LENGTH COMPUTATION

SPEED LIMIT
40 MPH OR LESS $L = \frac{WS^2}{60}$
40 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



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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: TRAFFIC CONTROL
SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
FOR INFORMATION ONLY C.O.A. STANDARD	FOR INFORMATION ONLY C.O.A. STANDARD	LAST DESIGN UPDATE	
CITY PROJECT NO. 699481	ZONE MAP NO. H/J-10	SHEET 17	OF 17