

PLANS FOR CONSTRUCTION OF

NEATHERLIN HOMES

WATER AND STREET PAVING IMPROVEMENTS

MARCH, 1999

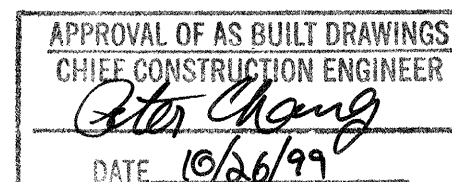
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THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR THE CONSTRUCTION SAFETY WHICH SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR.

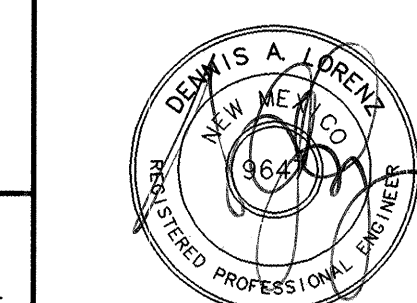
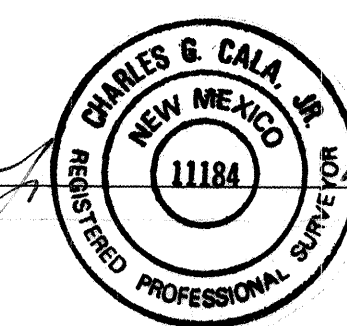
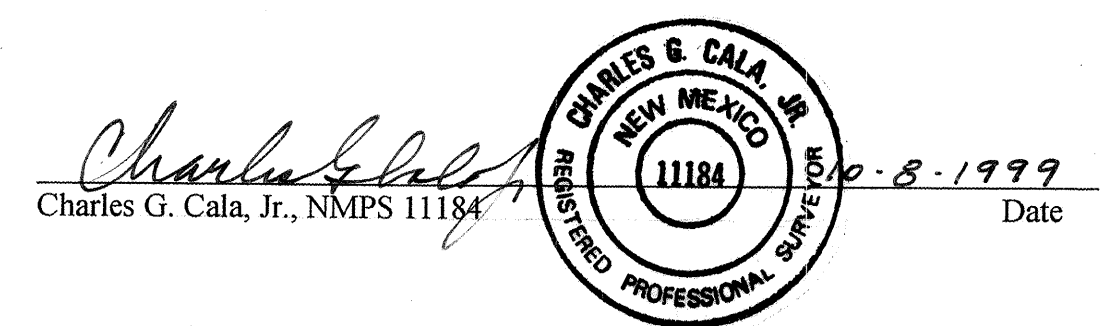
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RECORD DRAWING



SURVEYOR'S CERTIFICATION

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

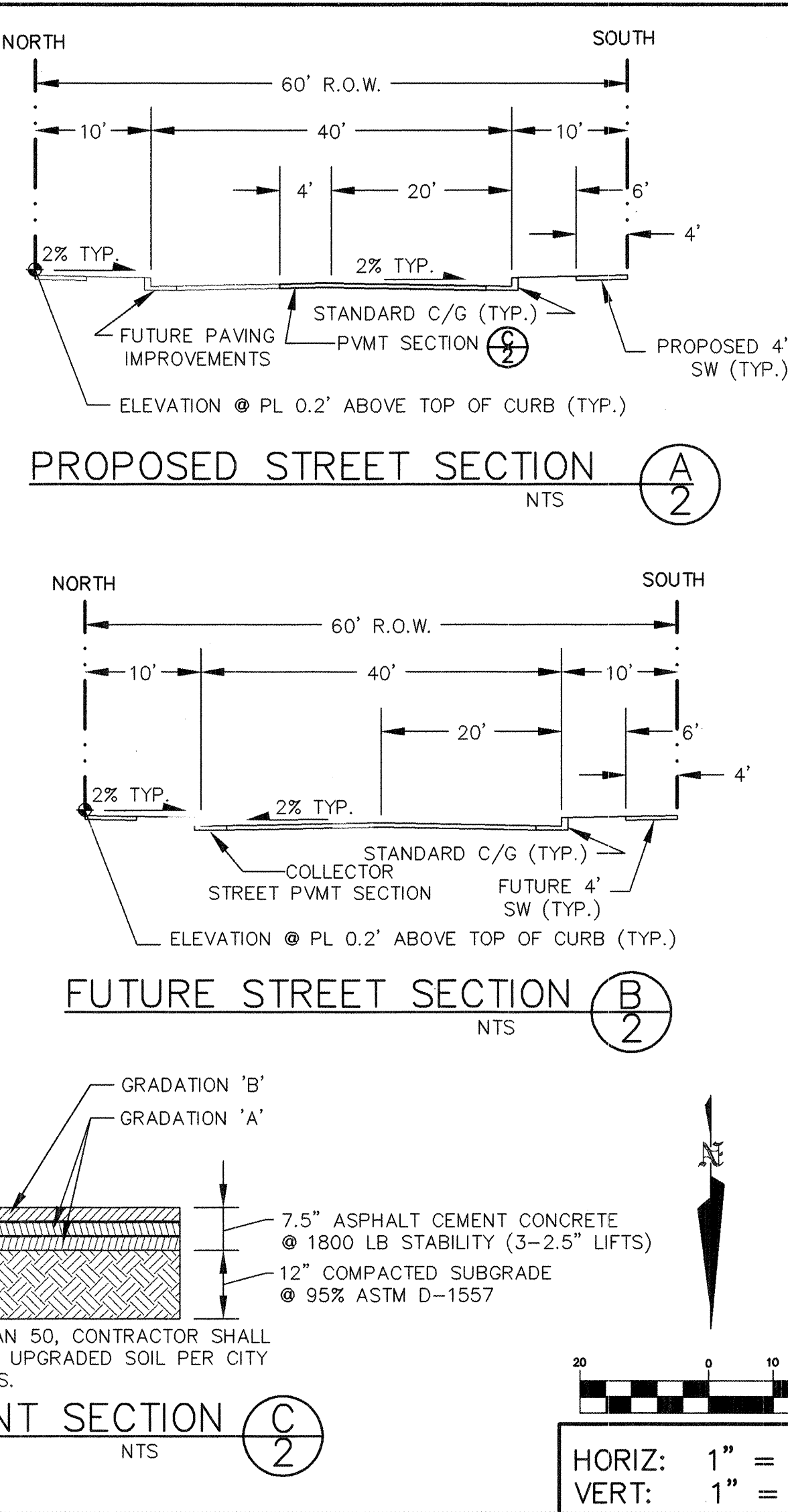












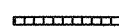
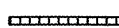

VICINITY MAP: C-18 SCALE: 1"=750'


GENERAL NOTES:

- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE "CITY OF ALBUQUERQUE, STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986" (COA STDN), THROUGH UPDATE NO. 6.
- THREE (3) WORKING DAYS** PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM, 260-1990, FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY.
- IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE OWNER OF SAID UTILITY, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS UNDERTAKEN NO FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES. THE CONTRACTOR SHALL INFORM HIMSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE, OR UNDERGROUND UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY HIS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.
- THE CONTRACTOR SHALL SECURE A "TOPSOIL DISTURBANCE PERMIT" PRIOR TO BEGINNING CONSTRUCTION.
- THE CONTRACTOR SHALL ASSIST THE ENGINEER/INSPECTOR IN THE RECORDING OF DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE OWNERS FOR THE PREPARATION OF "RECORD DRAWINGS". THE CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED.
- REFERENCE MADE TO STANDARD DRAWINGS REFER TO ALBUQUERQUE STANDARD DRAWINGS.
- ELECTRONIC MARKER DISCS SHALL BE PLACED IN ACCORDANCE WITH SECTION 170 OF THE CITY OF ALBUQUERQUE, STANDARD SPECIFICATIONS, PUBLIC WORKS CONSTRUCTION.
- WATERLINE CONNECTIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY STD. DWG. 2301.
- WATER METERS ARE TO BE INSTALLED AT ALL SERVICES IN ACCORDANCE WITH CITY STD. DWG. 2362 AND 2363.
- ALL CONSTRUCTION WITHIN CITY RIGHT-OF-WAY OR EASEMENTS MUST BE DONE FROM APPROVED WORK ORDER DOCUMENTS FROM THE CITY OF ALBUQUERQUE AND PREPARED BY BRASHER & LORENZ, INC.
- AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR THIS PERMIT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING, IN ADVANCE OF HIS CONSTRUCTION, IF OVERHEAD UTILITY LINES SUPPORT STRUCTURES, POLES, GUYS, ETC. ARE AN OBSTRUCTION TO CONSTRUCTION OPERATIONS. IF ANY OBSTRUCTION TO CONSTRUCTION OPERATIONS IS EVIDENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE APPROPRIATE UTILITY OWNER TO REMOVE OR SUPPORT THE UTILITY OBSTRUCTION. ANY COST ASSOCIATED WITH THIS EFFORT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR IS TO SUPPORT AND MAINTAIN THE INTEGRITY OF ALL UNDERGROUND TELEPHONE, ELECTRIC CABLES, AND CABLE TELEVISION UTILITIES AT NO ADDITIONAL COST TO THE OWNER. CABLE IS TO BE SUPPORTED EVERY 15' (MINIMUM). CONTRACTOR SHALL COORDINATE WITH AND MAKE NECESSARY PAYMENT (IF ANY) TO UTILITY OWNER FOR DE-ENERGIZATION OF CABLES OR SUPPORT OF CABLES BY THE UTILITY OWNER.
- FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. THE CONTRACTOR SHALL NOTIFY THE BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. SEE SECTION 19 OF THE SPECIFICATIONS.
- ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED BY THE CONTRACTOR WITH HOT THERMOPLASTIC REFLECTORIZED PAVEMENT MARKING. ALL NEW STRIPING SHALL BE HOT THERMOPLASTIC REFLECTORIZED PAVEMENT MARKING.
- ANY WORK OCCURRING IN AN ARTERIAL ROADWAY REQUIRES TWENTY-FOUR (24) HOUR CONSTRUCTION.

REV.	SHEETS	CITY	ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
1, 2, 3				10/1999				
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER	DATE	*****		
		DRC Chairman		<i>Billie J. Goodwin</i>	4-27-99	APPROVED FOR CONSTRUCTION <i>John K. Cath</i> City Engineer 5/3/99		
		Transportation		<i>R. W. Kame</i>	4/12-99			
		Water/Wastewater		<i>R. W. Kame</i>	5-13-99			
		Hydrology		<i>J. Thomas</i>	4/12/99			
		CIP		<i>J. Thomas</i>	4/12/99			
		Constr. Mngmt.		<i>J. Thomas</i>	5-3-99			
		Constr. Coords.		<i>J. Thomas</i>	5-3-99			
		CITY PROJECT NO.		606781		SHEET 1 OF 5		



ITEM	EXISTING	PROPOSED
WATERLINE	— 6" W —	— 6" W —
SANITARY SEWER	— 8" SAS —	— 8" SAS —
STORM SEWER	— 36" SD —	— 24" SD —
FIRE HYDRANT		
VALVE		
WATER SERVICE (SINGLE)		
WATER SERVICE (DOUBLE)		
MANHOLE	— ○ —	— ● —
CURB		
DROP INLET	— —	— —
OVERHEAD ELEC	— OHE —	— OHE —
UNDERGROUND ELEC.	— UGT —	— UGT —
FLOWLINE ELEV.	— FL 0.14 —	— FL 0.14 —
TOP OF CURB ELEV.	— 99.3 —	— 99.31 —
SPOT ELEV.	× 16.7	◆ 16.7
SEWER SERVICE	— —	— —
RIGHT OF WAY	— —	— —
POWER POLE (GUYED)	● PP —	— —
CHAIN LINK FENCE	— —	— —
CENTERLINE	— —	— —
RETAINING WALL		
TOP OF ASPHALT ELEV.	— TA 16.2 —	— TA 16.2 —
CROWN TRANSITION		

- KEYED NOTES:** 
1. EXISTING STD C&G
 2. EXISTING ASPHALT PAVEMENT TO REMAIN
 3. FUTURE STD C&G
 4. FUTURE 4' SIDEWALK
 5. FUTURE HANDICAP ACCESS RAMP
 6. PROPOSED 24" CONCRETE DRIVEPAD
PER C.O.A. STD. DWG. 2425
 7. SAWCUT, REMOVE, & DISPOSE EXISTING
ASPHALT. PROVIDE NEAT EDGE.
 8. CONSTRUCT COLLECTOR PAVEMENT
PER SECTION A/2
 9. INSTALL TWO (2) TYPE III BARRICADES.
PER DETAILS SHEET 5.
 10. EDGE OF PAVEMENT
 11. EXISTING STD C&G TO BE REMOVED
 12. EXISTING ASPHALT PAVEMENT TO BE
REMOVED
 13. PROPOSED STD C&G. **PER STD DWG 24**
 14. PROPOSED 4' SIDEWALK. **PER STD DWG 24**
 15. PROPOSED HANDICAP ACCESS RAMP
SEE DETAIL D/2
 16. CUT OFF WALL. SEE C.O.A. STD.
DWG. 2415.

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

Charles G. Cala, Jr.
Charles G. Cala, Jr., NMLS # 12144

11184


2-1997

Date

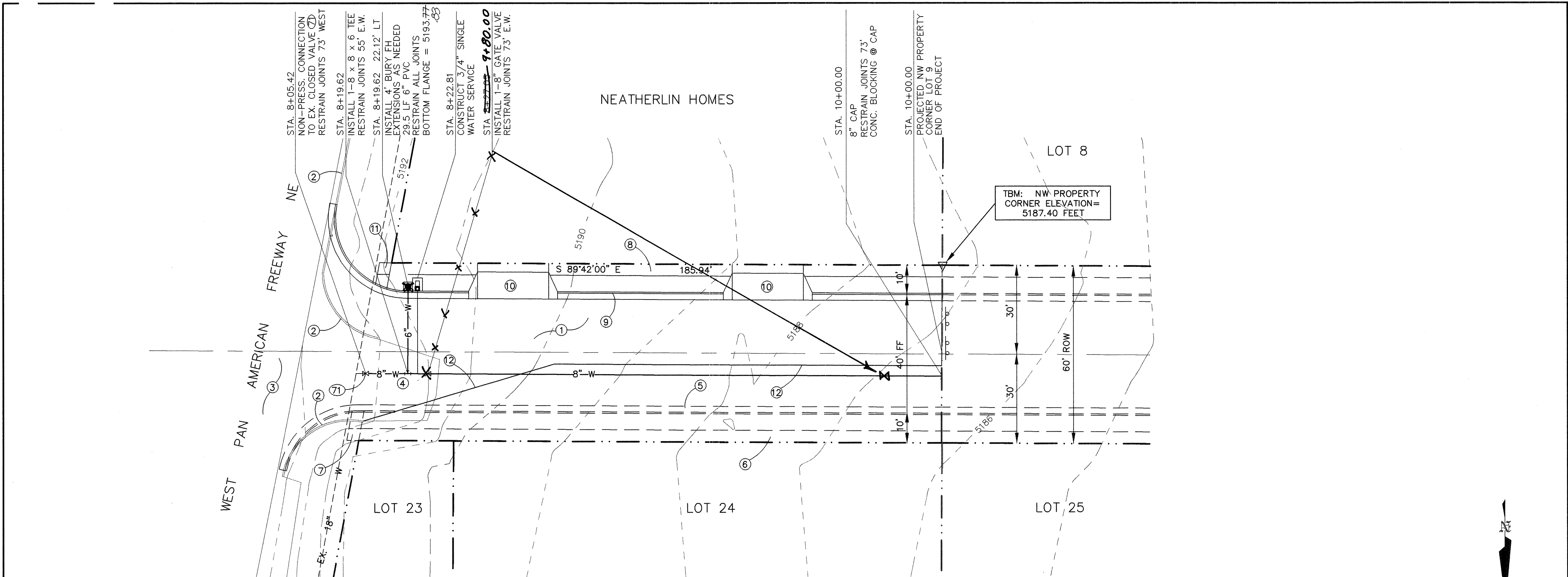
Bli BRASHER & LORENZ, INC.
Consulting Engineers

2201 San Pedro NE Building 1 Suite 210
Albuquerque, New Mexico 87110
Ph: 505-888-6088 Fax: 505-888-6188

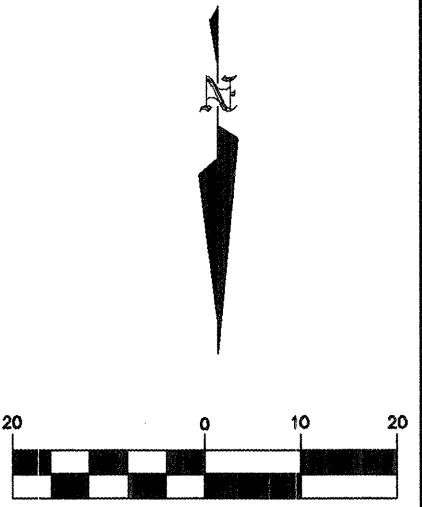
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: EAGLE ROCK AVENUE, NE STREET PAVING IMPROVEMENTS													
Design Review Committee 	City Engineer Approval 												
Last Design Update 	<table border="1"> <tr> <th>Mo./Day/Yr.</th> <th>Mo./Day/Yr.</th> </tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>	Mo./Day/Yr.	Mo./Day/Yr.										
Mo./Day/Yr.	Mo./Day/Yr.												
City Project No. 606781	Zone Map No. 619												
Sheet 2 Of 5													

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES		ACS ALUMINUM CAP STAMPED "10-C18 1985"		CONTRACTOR	
		BY		RIVETED TO AN ALUMINUM TUBE, 2.5" IN DIA.		UNIVERSAL CONSTRUCTORS	
		DATE				WORK SCHEDULED BY J.M.A.	
NO. DATE		BY		LOCATED 48' SOUTH OF THE INTERSECTION OF MODESTO AVE., NE AND SAN PEDRO BLVD., NE ON THE EAST SIDE OF SAN PEDRO BLVD.		INSPECTOR'S ACCEPTANCE BY B. M. C. 11	
REMARKS		BY		ELEVATION = 5219.41 FEET.		DATE 10/99	
REVISIONS		BY				DATE 10/99	
DESIGN		BY				DRAWINGS CORRECTED BY J.M.A.	
DESIGNED BY C.D.D.		DATE 3/99				MICRO-FILM INFORMATION	
DRAWN BY C.D.D.		DATE 3/99				RECORDED BY	
						NO.	



LEGEND			
ITEM	EXISTING	PROPOSED	
WATERLINE	6" W	6" W	
SANITARY SEWER	8" SAS	8" SAS	
STORM SEWER	36" SD	24" SD	
FIRE HYDRANT			
VALVE			
WATER SERVICE (SINGLE)			
WATER SERVICE (DOUBLE)			
MANHOLE			
CURB			
DROP INLET			
OVERHEAD ELEC	OHE		
UNDERGROUND ELEC, GAS, TEL, TV	UGT		
FLOWLINE ELEV.	FL 0.14	FL 0.14	
TOP OF CURB ELEV.	99.3	99.31	
SPOT ELEV.	x 16.7	16.7	
SEWER SERVICE			
RIGHT OF WAY			
POWER POLE (GUYP)	PP		
CHAIN LINK FENCE			
CENTERLINE			
RETAINING WALL			
TOP OF ASPHALT ELEV.	TA 16.2	TA 16.2	



HORIZ: 1" = 20'
VERT: 1" = 5'

KEYED NOTES: ○

- PROPOSED ARTERIAL COLLECTOR PAVEMENT
- EXISTING STD C&G
- EXISTING ASPHALT TO REMAIN
- EXISTING ASPHALT TO BE REMOVED & REPLACED PER SHEET 2
- FUTURE STD C&G
- FUTURE 4' SIDEWALK
- FUTURE CURB ACCESS RAMP
- PROPOSED 4' SIDEWALK
- PROPOSED STANDARD CURB AND GUTTER
- PROPOSED DRIVEPAD
- PROPOSED CURB ACCESS RAMP
- PROPOSED EDGE OF PAVEMENT

WATER SYSTEM NOTES:

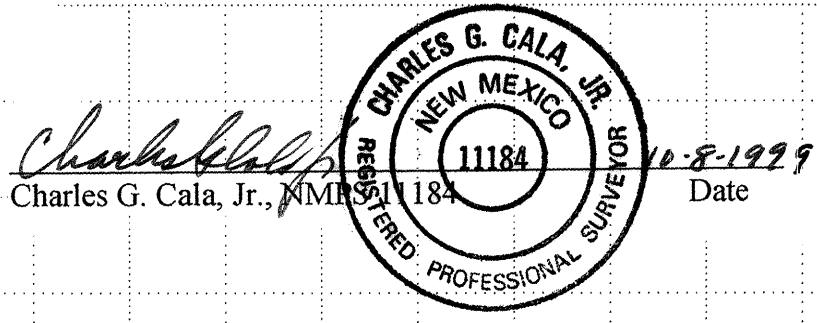
- VALVES, HYDRANTS, AND APPURTENANCES OF THE CITY WATER SYSTEM SHALL BE OPERATED BY CITY PERSONNEL ONLY.
- THE CONTRACTOR SHALL PROVIDE THE CITY 5 DAYS ADVANCE NOTICE OF NEED FOR SYSTEM OPERATION. CALL 857-8200.
- NO SYSTEM SHUTDOWN IS REQUIRED AS VALVE ⑦ IS CURRENTLY CLOSED. UPON COMPLETION OF THE PROJECT, VALVE ⑦ SHALL BE OPENED BY CITY PERSONNEL.

BLI BRASHER & LORENZ, INC.
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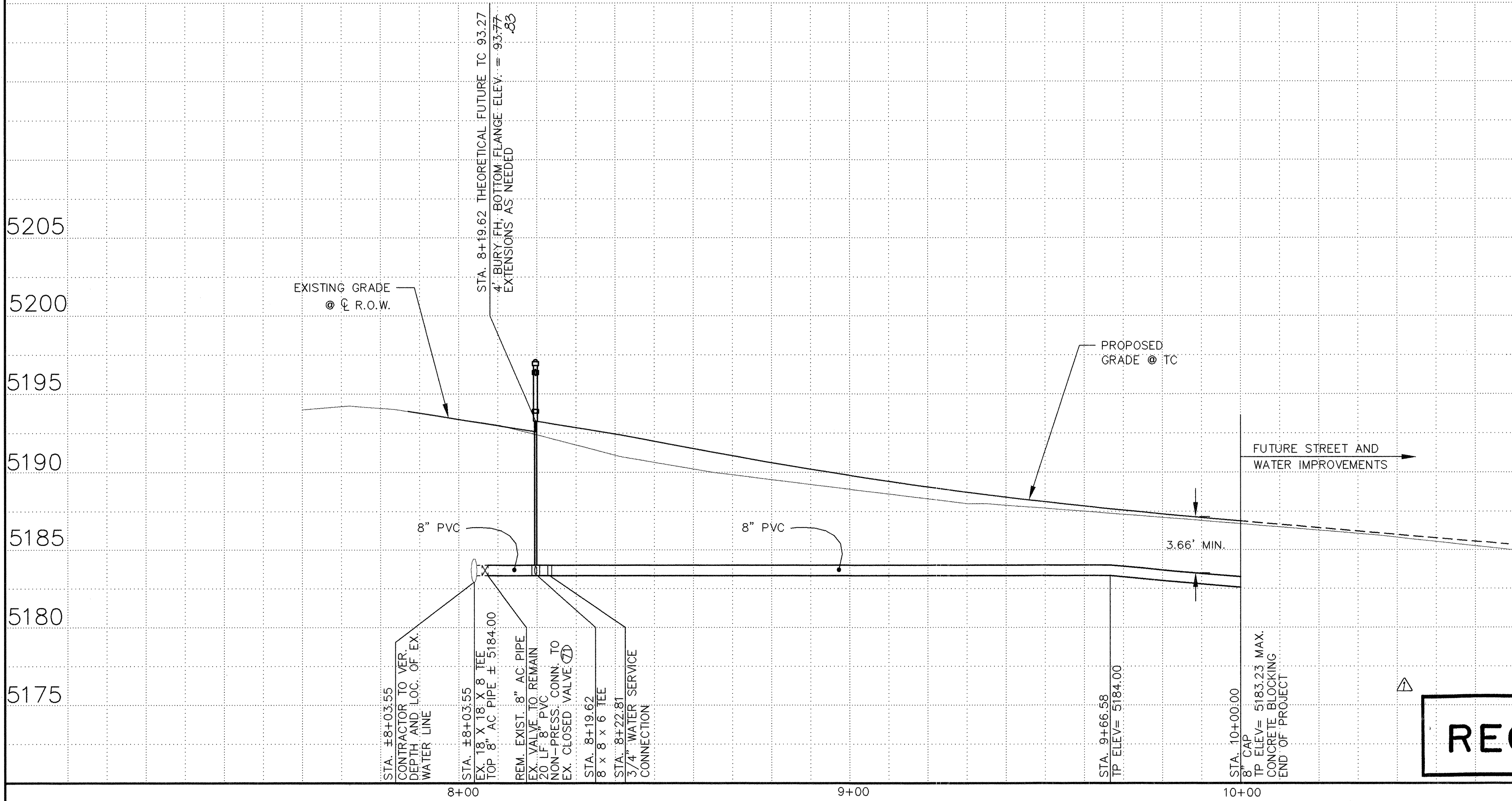
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: EAGLE ROCK AVENUE, NE WATER LINE IMPROVEMENTS			
Design, Review, Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
APR 27 1999	Least Design Update		
City Project No. 606781	Zone Map No. C-18	Sheet 3	Of 5

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RECORD DRAWING



CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

11. CONTRACTOR SHALL MAINTAIN A GRAFFITI FREE SITE

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

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

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

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

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

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

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

19. 24 HOURS PRIOR TO OCCUPYING OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.

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

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

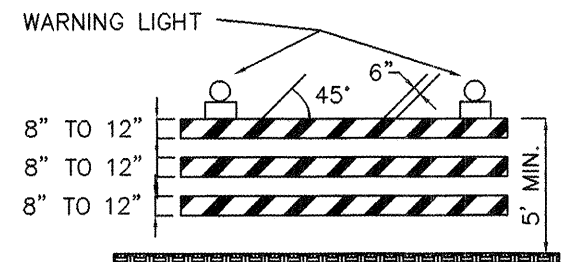
22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
1. STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
2. THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
3. SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC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

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

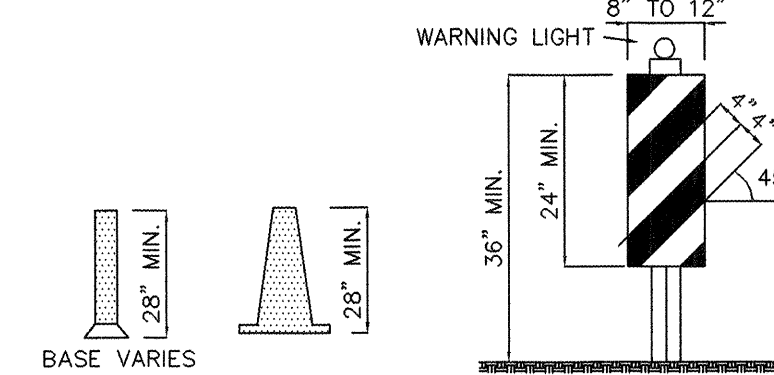
24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION. WASHING OF EQUIPMENT IS INCIDENTAL TO IT'S PLACEMENT AND MAINTENANCE.

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

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

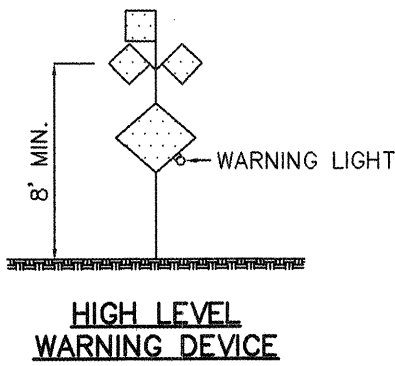


TYPE III BARRICADE

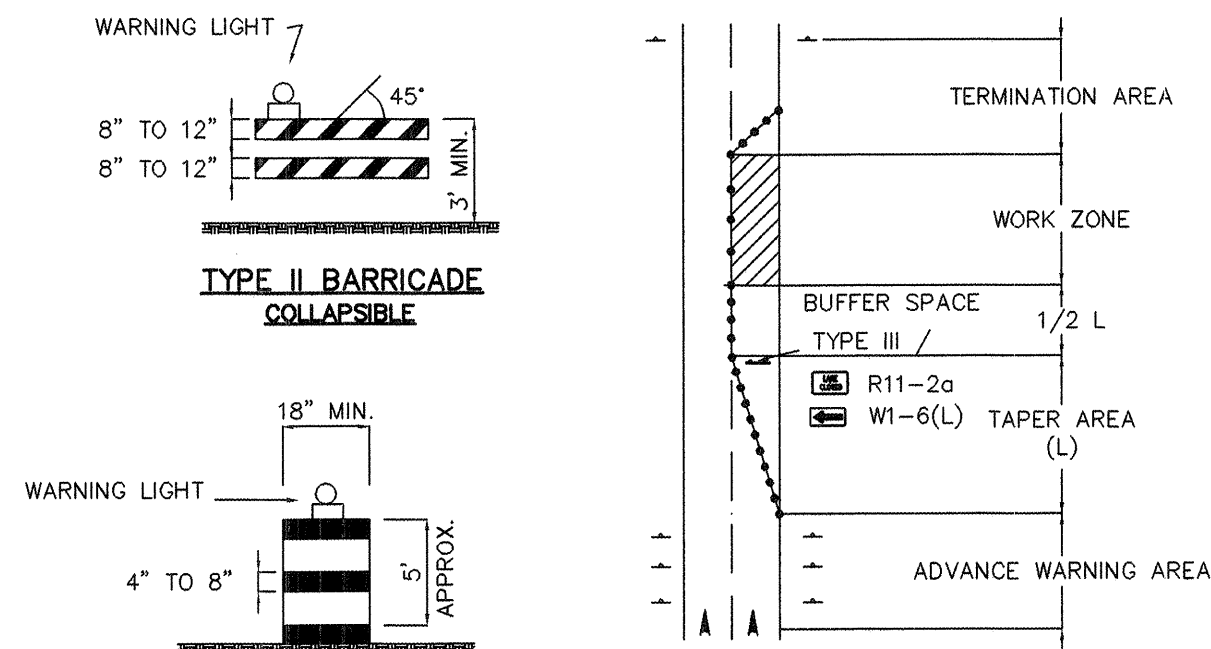


CONES

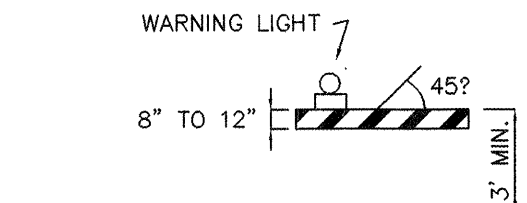
VERTICAL PANEL



HIGH LEVEL WARNING DEVICE

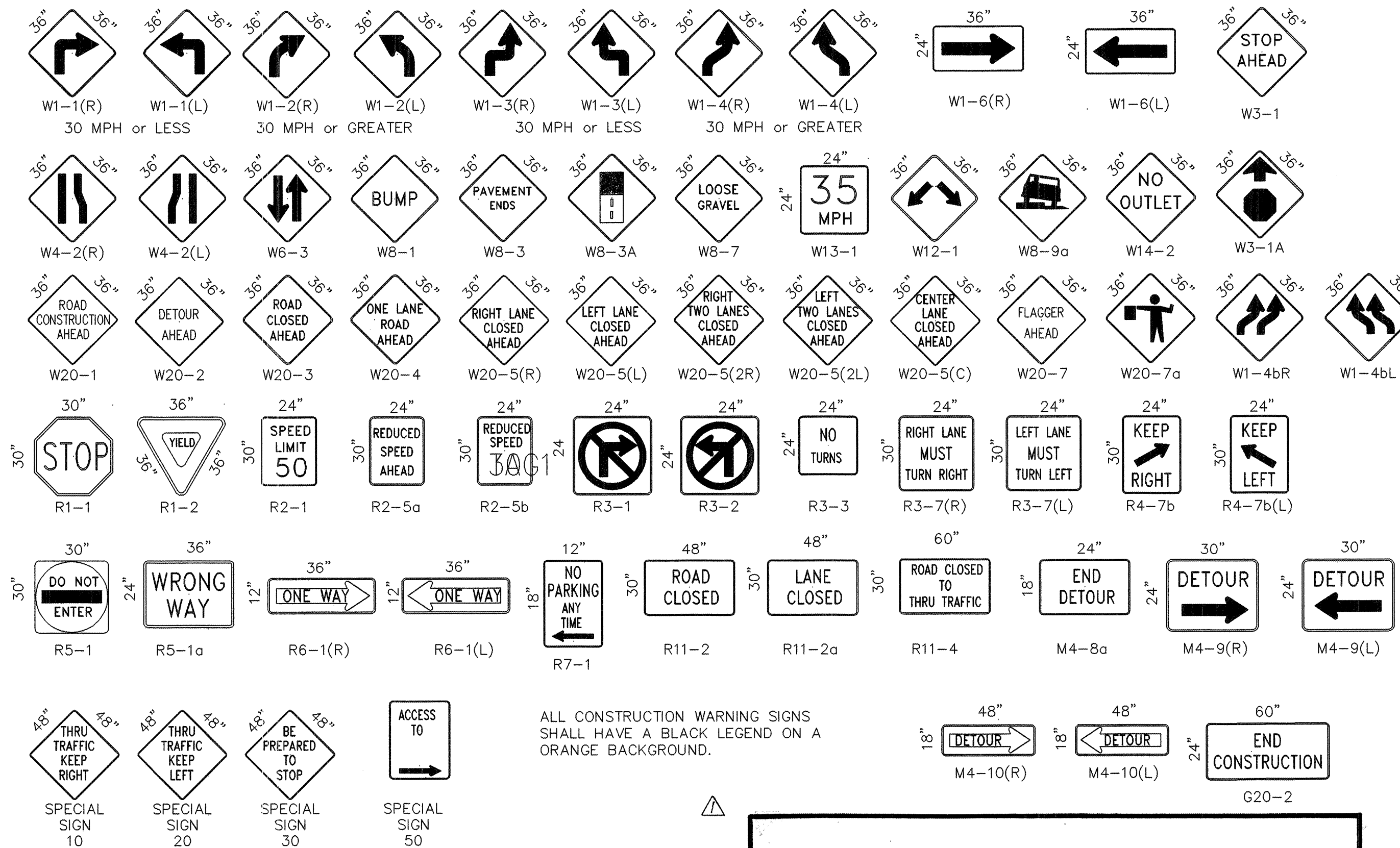


TRAFFIC CONTROL ELEMENTS



TYPE I BARRICADE COLLAPSIBLE

SIGN FACE DETAILS



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

RECORD DRAWING

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 MILES PER HOUR	MINIMUM DISTANCE IN FEET	
	BETWEEN SIGNS	FROM LAST SIGN TO TAPER
0-20	10 X SPEED LIMIT	10 X SPEED LIMIT
25-30	10 X SPEED LIMIT	10 X SPEED LIMIT
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

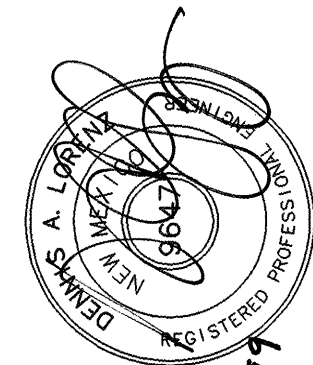
TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSIDE TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

SPEED LIMIT	
40 MPH OR LESS	$L = \frac{WS^2}{60}$
45 MPH OR GREATER	$L = W \times S$

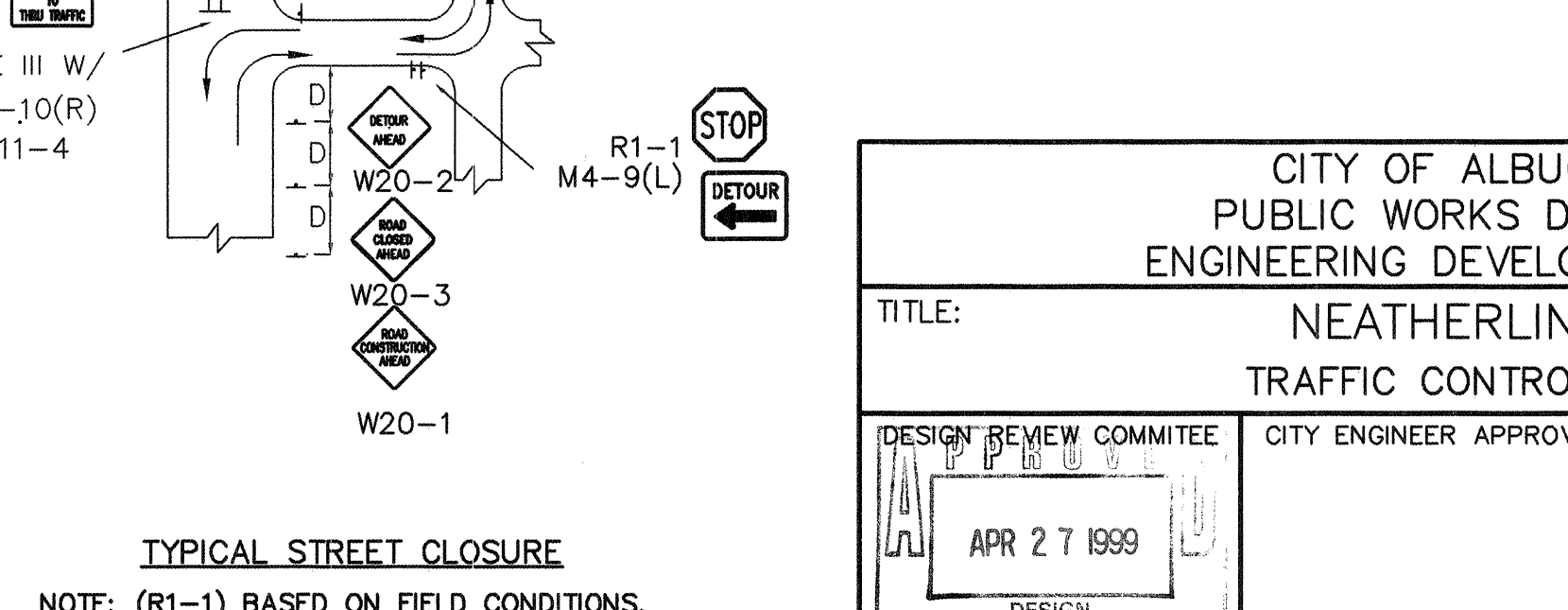
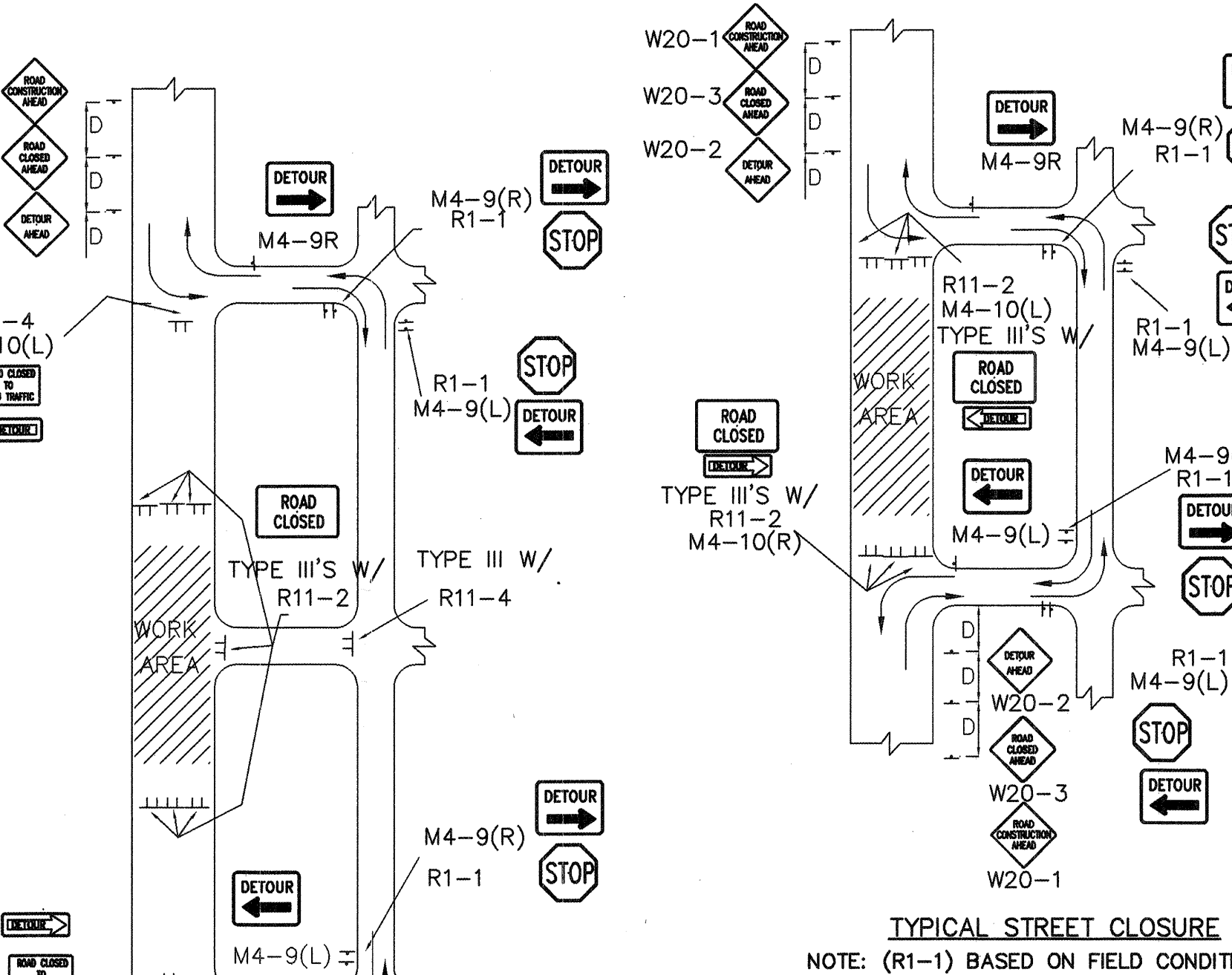
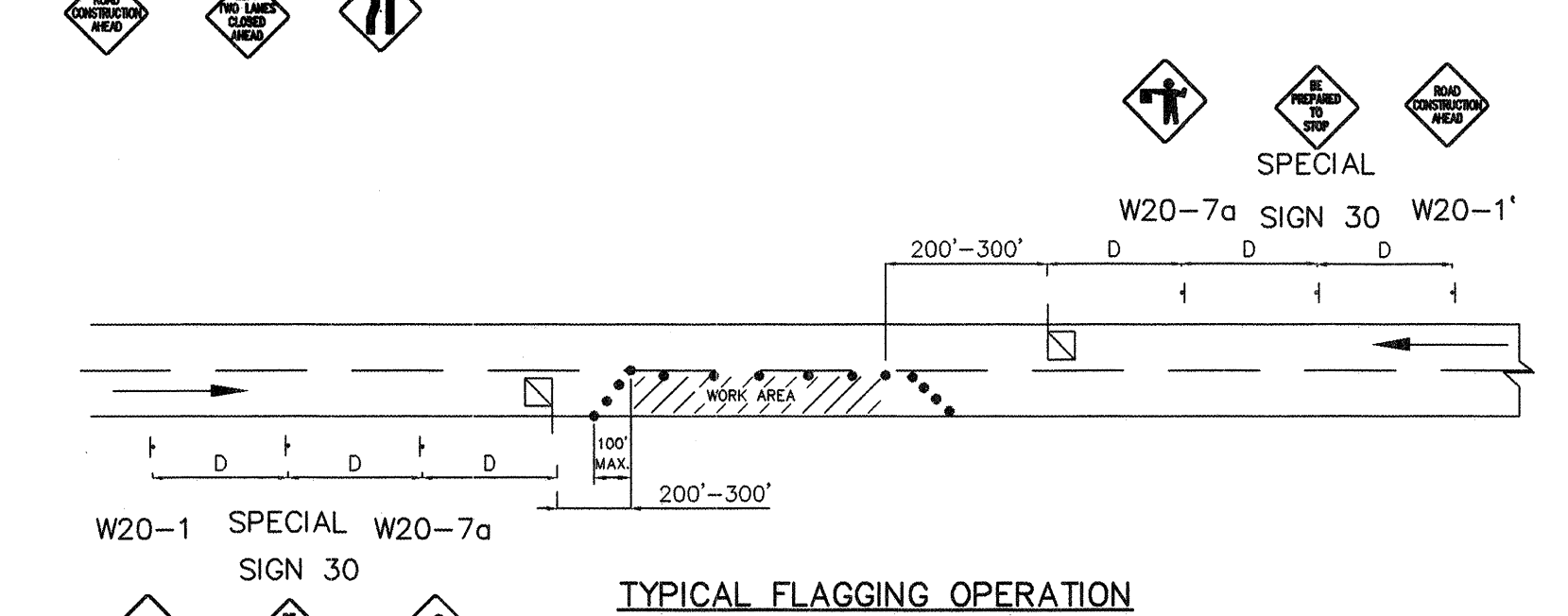
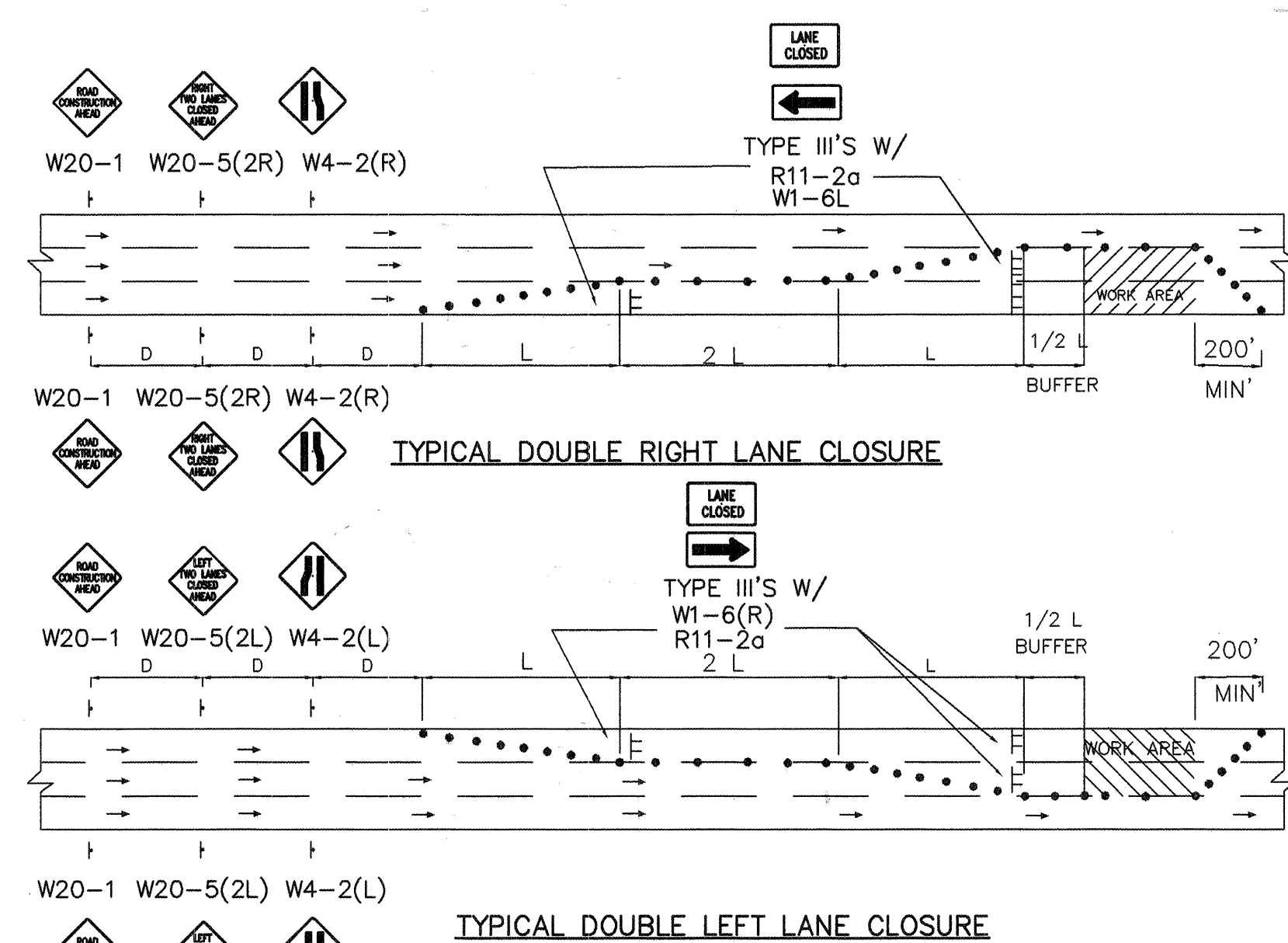
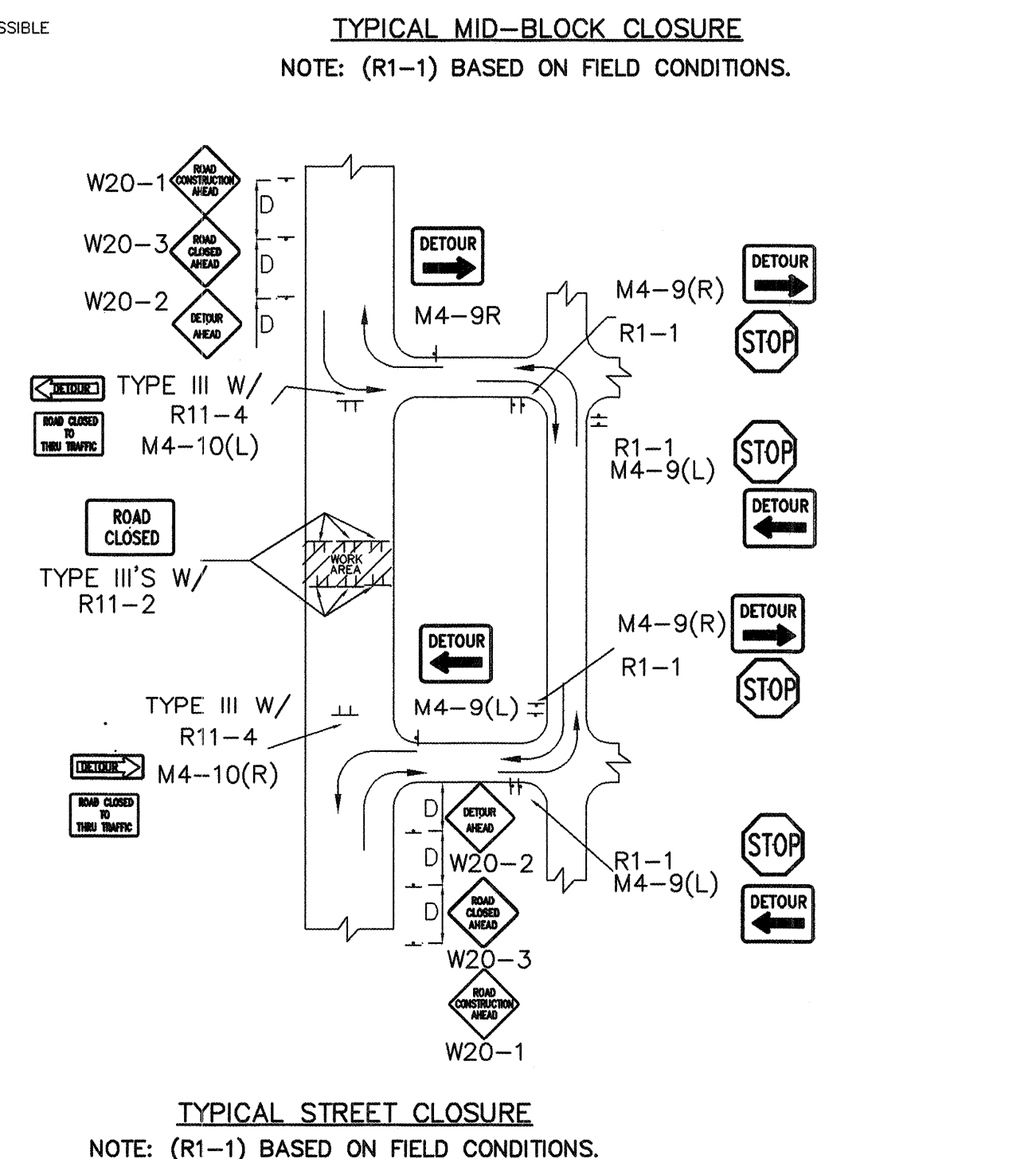
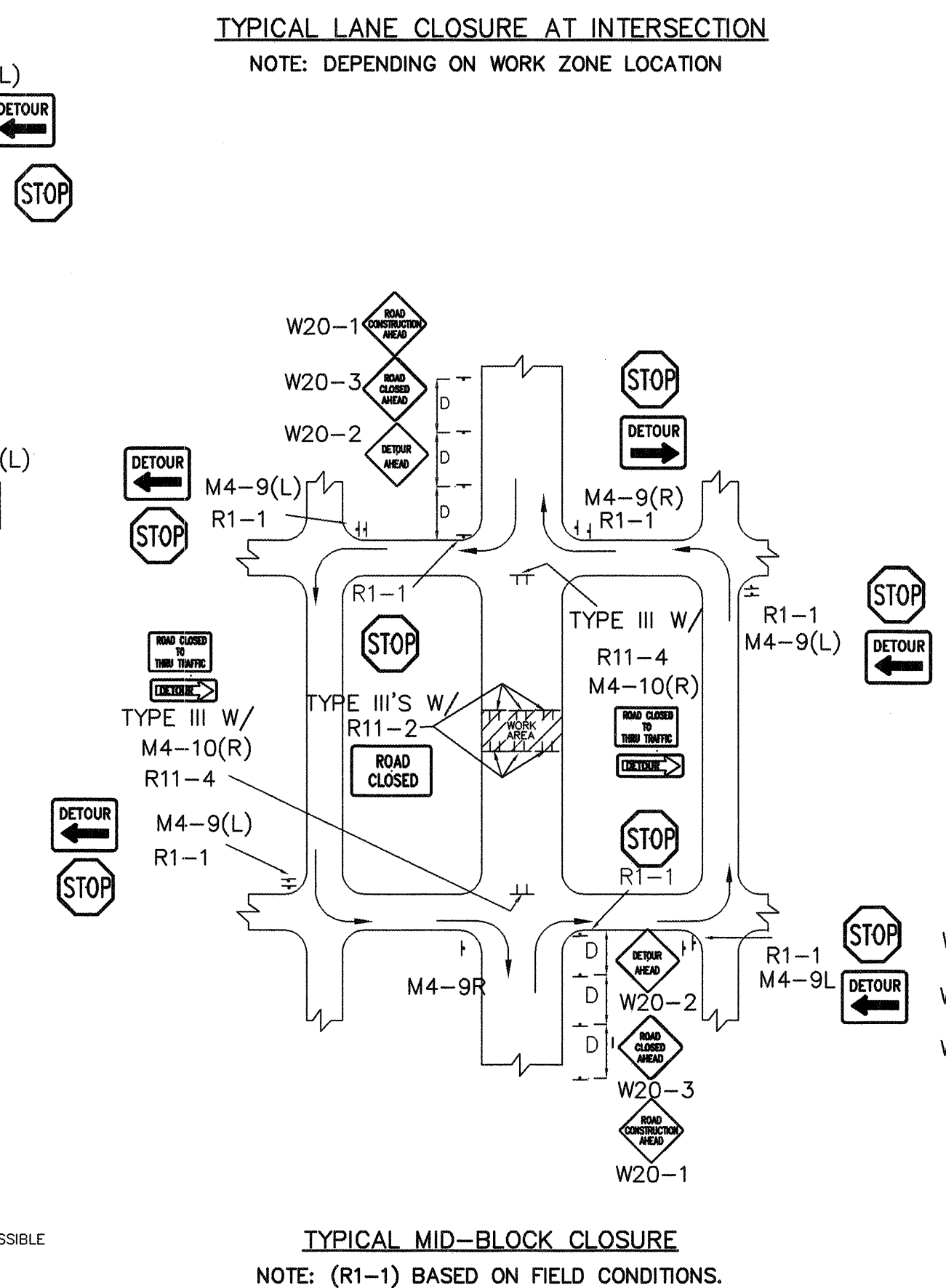
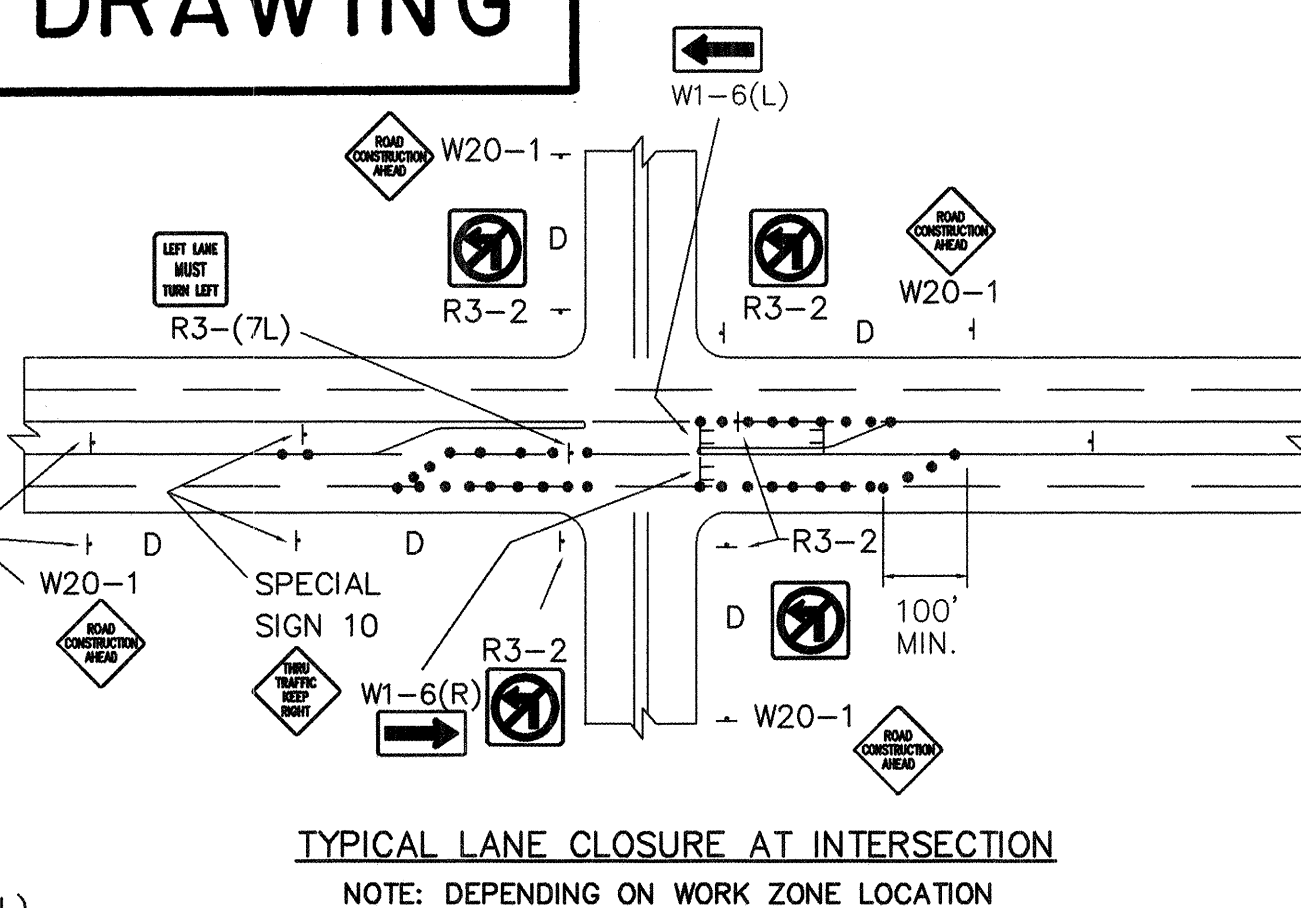
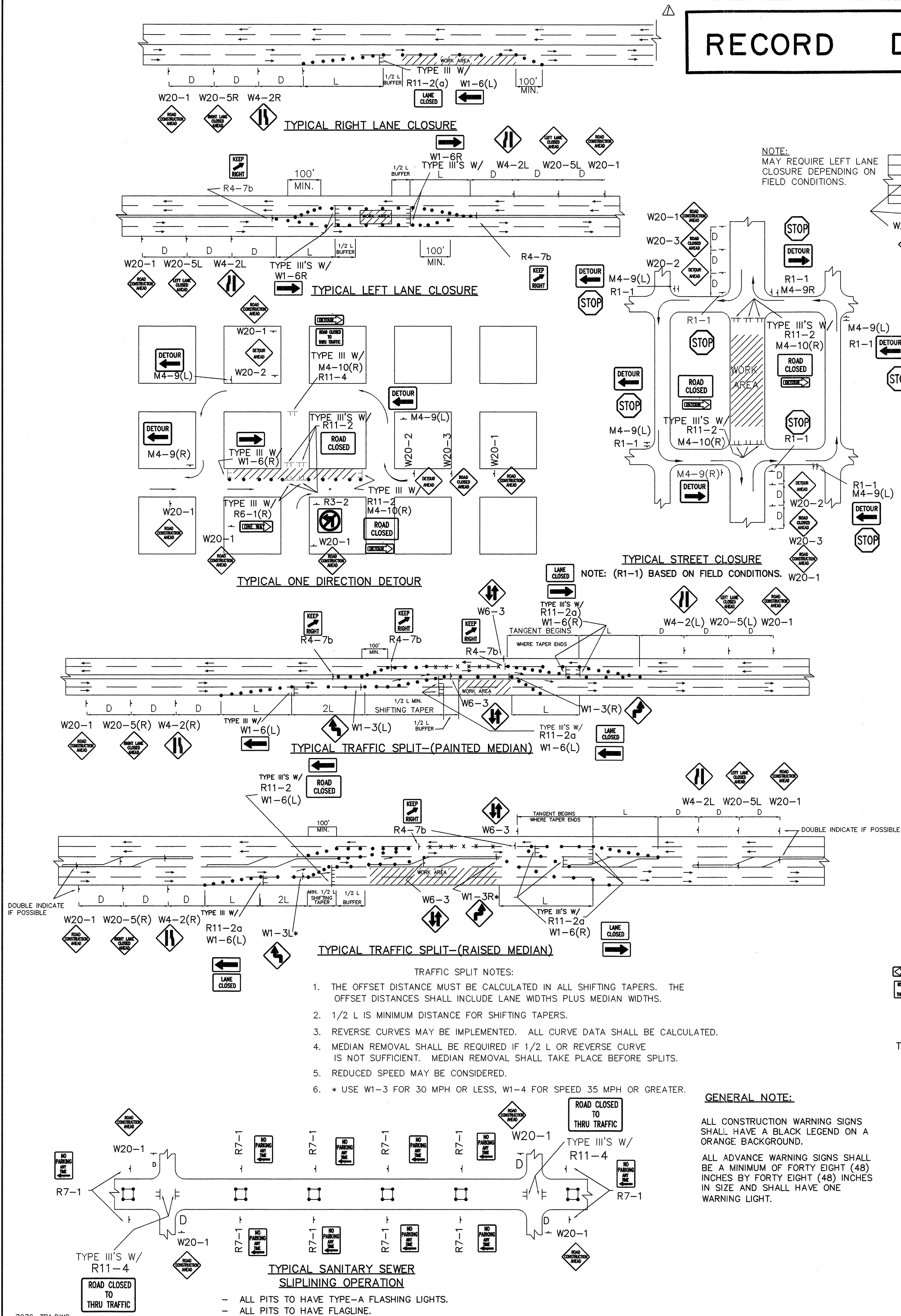
L = TAPER LENGTH
W = WIDTH OF OFFSET IN FEET
S = POSTED SPEED OR OFF-PEAK 85-PERCENTILE SPEED IN MPH

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	ALUMINUM CAP STAMPED TO-C18 1985"	NO.	FIELD NOTES	BY	NO.	DATE
INSPECTOR'S	DATE	RIVETED TO AN ALUMINUM TUBE, 2.5" IN DIA.					
FIELD	DATE	LOCATED 48' SOUTH OF THE INTERSECTION OF					
VERIFICATION BY	DATE	MODESTO AVE., NE AND SAN PEDRO BLVD. NE					
CORRECTED BY	DATE	ON THE EAST SIDE OF SAN PEDRO BLVD.					
MICRO-FILM INFORMATION		ELEVATION = 5219.41 FEET.					
RECORDED BY	DATE						
NO.							



CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE:		NEATHERLIN HOMES TRAFFIC CONTROL DETAILS	
DESIGN-REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED APR 27 1999 DESIGN REVIEW COMMITTEE			
PROJECT NO.	606781	MAP NO. C-18	SHEET 4 OF 5

RECORD DRAWING



DATE		MO./DAY/YR.		SHEET		OF	
DESIGNED BY		DATE		5		5	
DRAWN BY		DATE		5		5	
CHECKED BY		DATE		5		5	
D.A.L.		DATE		5		5	
REVISIONS		DATE		5		5	
REMARKS		DATE		5		5	
BY		DATE		5		5	
1/1/14		DATE		5		5	
NO. DATE		DATE		5		5	
10/1/90		DATE		5		5	
RECORD DRAWING		DATE		5		5	
A		DATE		5		5	
ENGINEER'S SEAL		DATE		5		5	
		DATE		5		5	
3/11/99		DATE		5		5	
SURVEY INFORMATION		DATE		5		5	
FIELD NOTES		DATE		5		5	
NO. BY		DATE		5		5	
ACS ALUMINUM CAP STAMPED "10-C18 1985"		DATE		5		5	
RIVETED TO AN ALUMINUM TUBE, 2.5" IN DIA.		DATE		5		5	
LOCATED 48' SOUTH OF THE INTERSECTION OF		DATE		5		5	
FIELD VANCE BY		DATE		5		5	
MODESTO AVE., NE AND SAN PEDRO BLVD., NE		DATE		5		5	
ON THE EAST SIDE OF SAN PEDRO BLVD.		DATE		5		5	
ELEVATION = 5219.41 FEET.		DATE		5		5	
MICRO-FILM INFORMATION		DATE		5		5	
RECORDED BY		DATE		5		5	
NO.		DATE		5		5	
CONTRACTOR		DATE		5		5	
INSPECTED BY		DATE		5		5	
STARTED BY		DATE		5		5	
WORK		DATE		5		5	
AS BUILT INFORMATION		DATE		5		5	
BENCH MARKS		DATE		5		5	