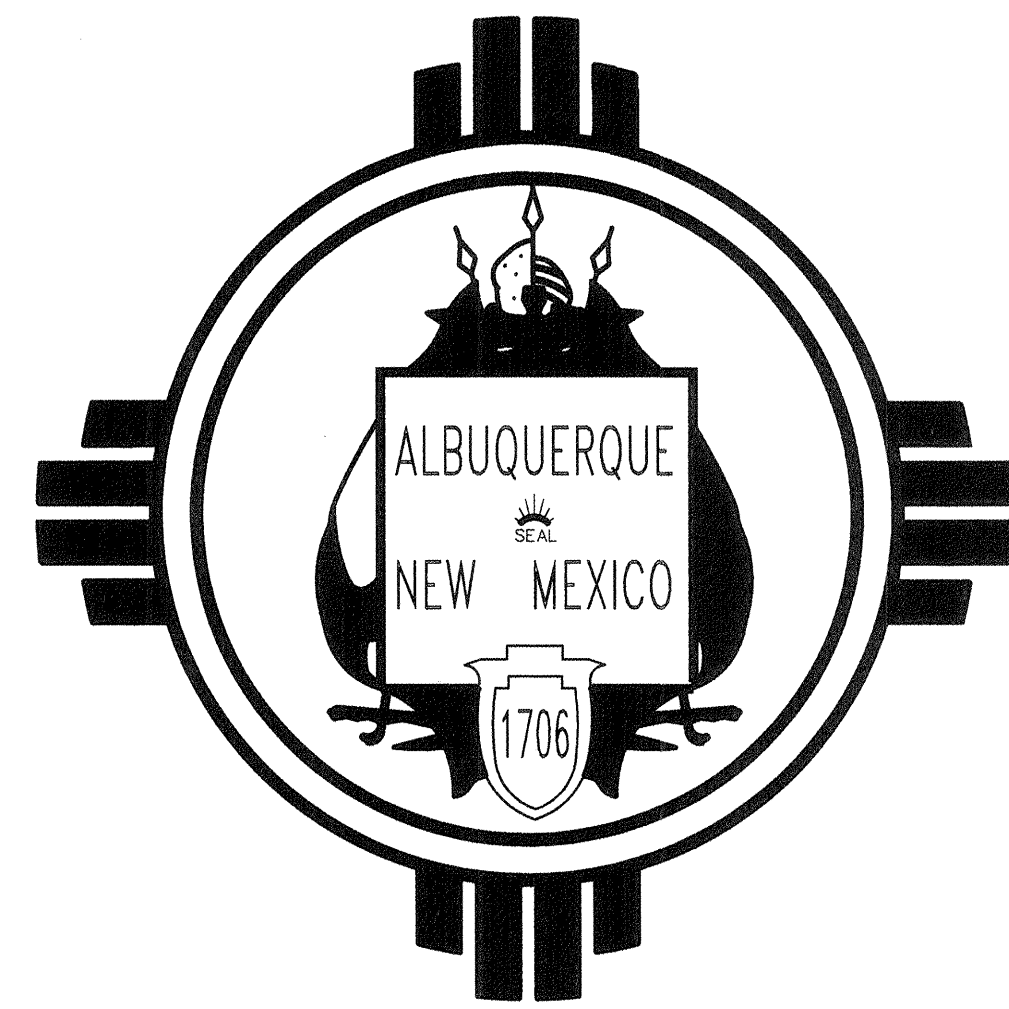


CITY OF ALBUQUERQUE NEW MEXICO

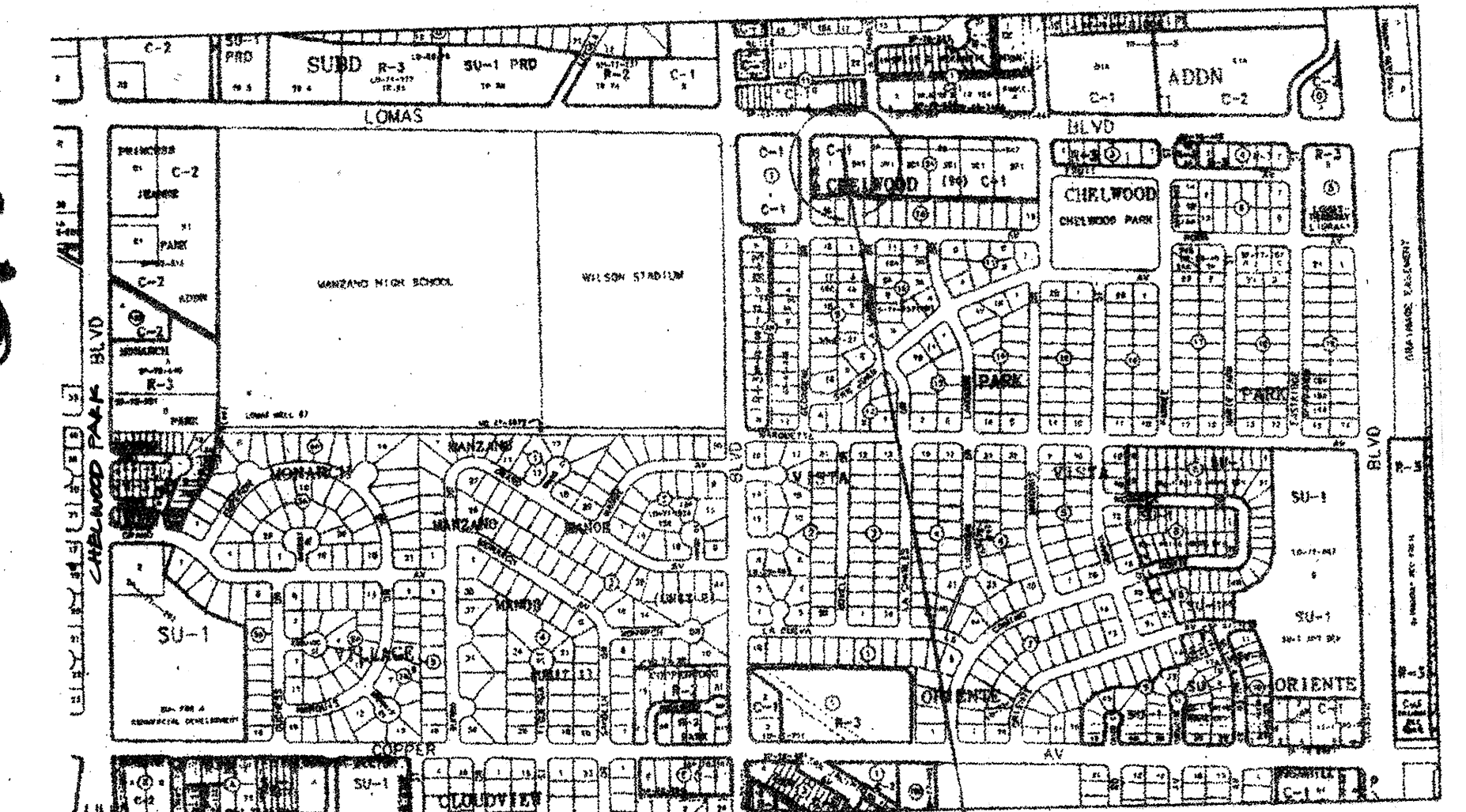


CONSTRUCTION PLANS

ALBUQUERQUE POLICE DEPARTMENT
FOOTHILLS AREA COMMAND
A.K.A. 5TH AREA COMMAND

POLICE COMMUNITY SUBSTATION SITE IMPROVEMENTS

12800 LOMAS BLVD. NE
ALBUQUERQUE, NEW MEXICO 87112
CITY PROJECT NO. 5973.92



Location Map
ZONE ATLAS MAP K-22-Z

Project Site

INDEX TO DRAWINGS

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3 OF 1	SHEET 3	LOCATION PLAN
4 OF 1	SHEET 4	GRADING AND DRAINAGE PLAN
5 OF 1	SHEET 5	ARCHITECTURAL SITE PLAN AND SECTIONS
6 OF 1	SHEET 6	SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS
7 OF 1	SHEET 7	TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF. M.U.T.C.D.)

UTILITY COMPANY CONTACTS

Name	Phones	Business
Erickson, Rita	Office phone: (505) 761-6235 Office fax: (505) 761-0599 rita_erickson@cable.comcast.com	Comcast Planning and Design Supervisor 4611 Montbel Place NE Albuquerque, NM 87107
Gabel, Elisabeth	Office phone: (505) 241-7745 Office fax: (505) 241-7753 egabel@pnm.com	PNM - Gas Co. of NM Planning Engineer 4625 Edith Blvd. NE MS-GS66 Albuquerque, NM 87107
Garcia, Robert	Office Phone: (505) 241-3334 Office Fax: (505) 241-3620 rgarcia@pnm.com	PNM - Electric Engineering Representative 4201 Edith Blvd. NE Albuquerque, NM 87107
Muller, David	Office phone: (505) 245-8706 Office fax: 245-6733 dmuller@qwest.com	Qwest/US West Capacity Provisioning Specialist 400 Tijeras Ave. NW Suite 710 Albuquerque, NM 87102

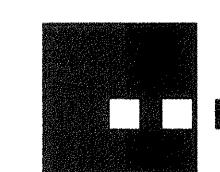
NOTICE TO CONTRACTOR

- CITY OF ALBUQUERQUE SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS AMENDED THROUGH UPDATE 6, WILL BE REFERRED TO HEREIN AS THE "STANDARD SPECIFICATIONS".
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) AND DETERMINE LOCATION OF EXISTING UTILITIES.
- PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR THE SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITHOUT DELAY.
- ALL EXISTING SIGNS, MARKERS, DELINEATORS, ETC., WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED, STORED AND RE-SET BY THE CONTRACTOR.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER (ISAACSON & ARFMAN) NOT LESS THAN SEVEN (7) WORKING DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTORS SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
- FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADING ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION.
- ANY WORK OCCURRING WITHIN AN ARTERIAL ROADWAY REQUIRES 24 HOURS CONSTRUCTION.

FOR INFORMATION ONLY

ISSUED FOR
CONSTRUCTION

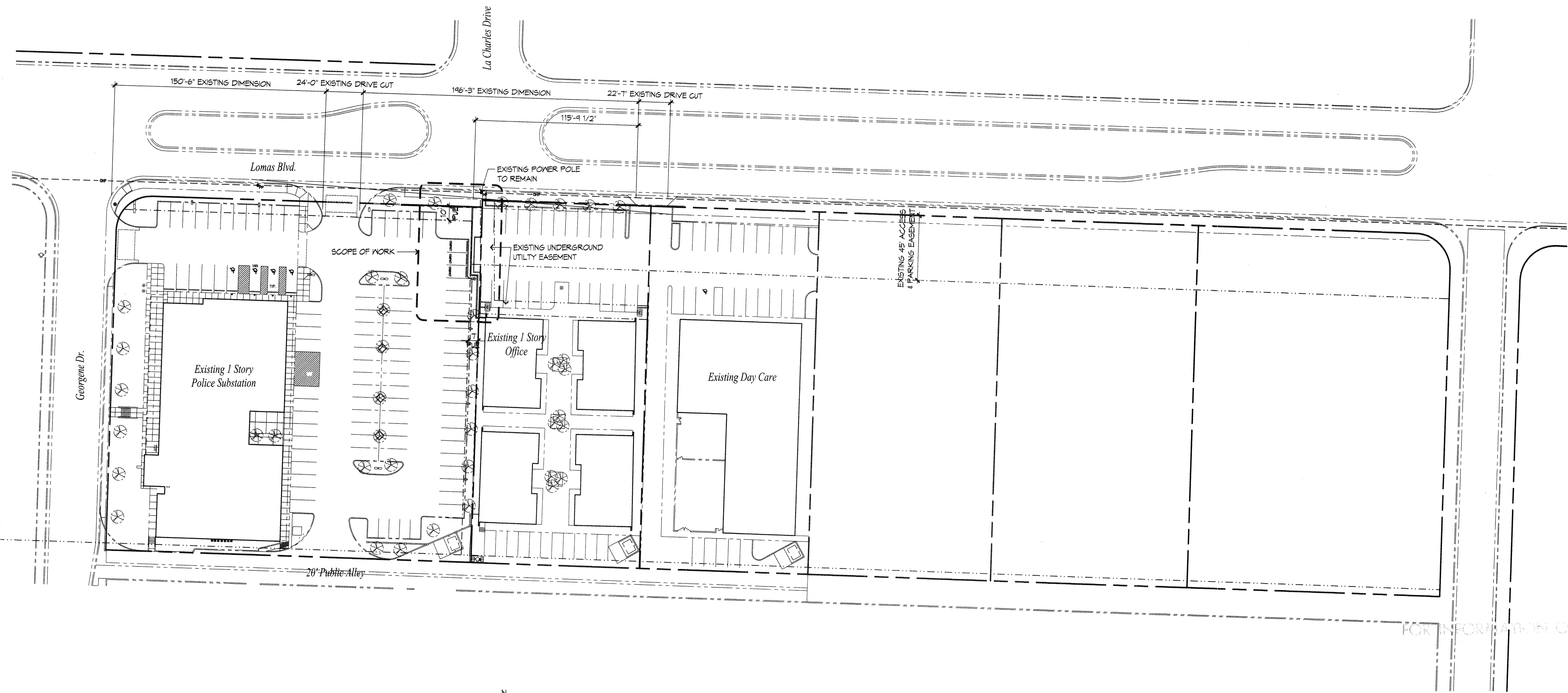
December 2002

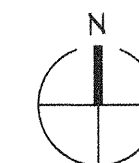


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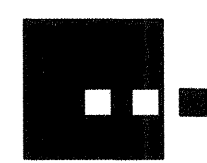
6801 Jefferson NE, Suite 100
Albuquerque, NM 87109
505 761-9700
fax 761-4222

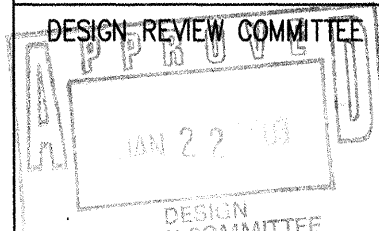
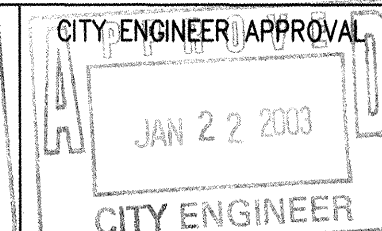
FOR INFORMATION ONLY					
REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE	APPROVALS	ENGINEER	DATE	*****	
	DRC Chairman	<i>James L. ...</i>	1-22-03	APPROVED FOR CONSTRUCTION	
	Transportation	<i>Michael ...</i>	12/30/02	<i>Greg ...</i> 1/21/03 City Architect Date	
	Water/Wastewater	<i>William G. ...</i>	01/02/03	<i>Frank J. ...</i> 1-24-03 City Engineer Date	
	Hydrology	<i>John ...</i>	01-02-03		
Parks					
Constr. Coord.			1-22-03		
PROJECT NO.				SHEET	
5973.92				1 OF 1	



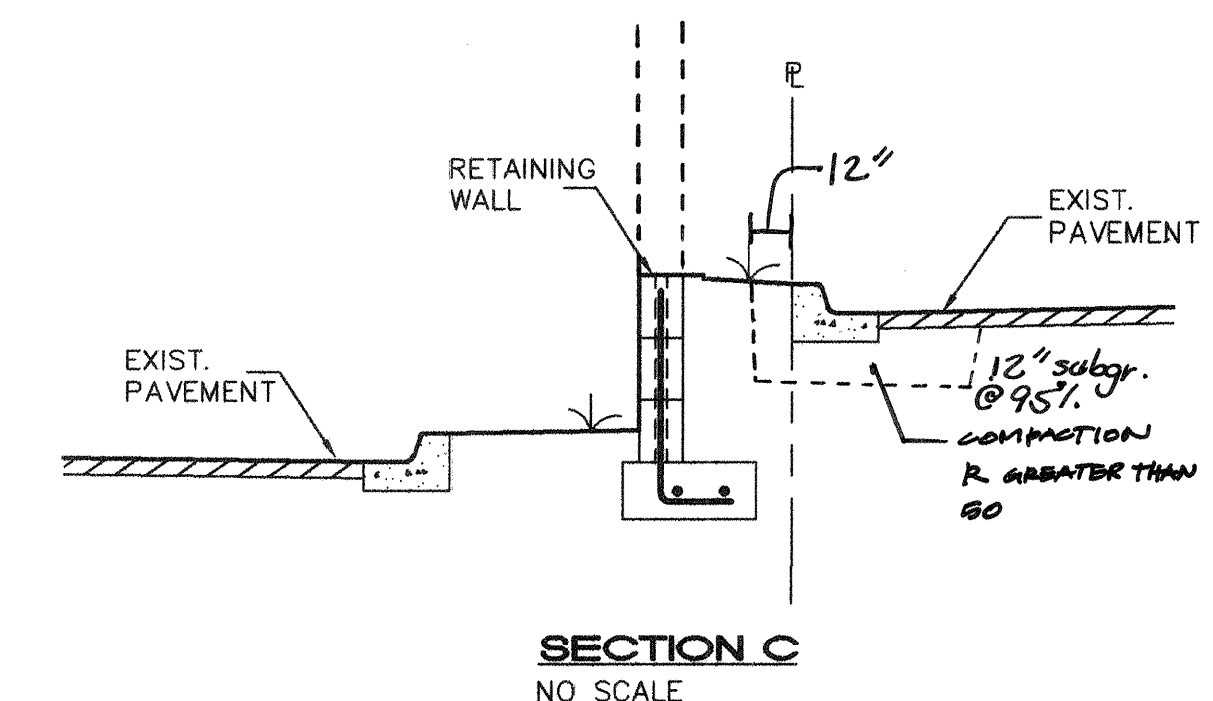
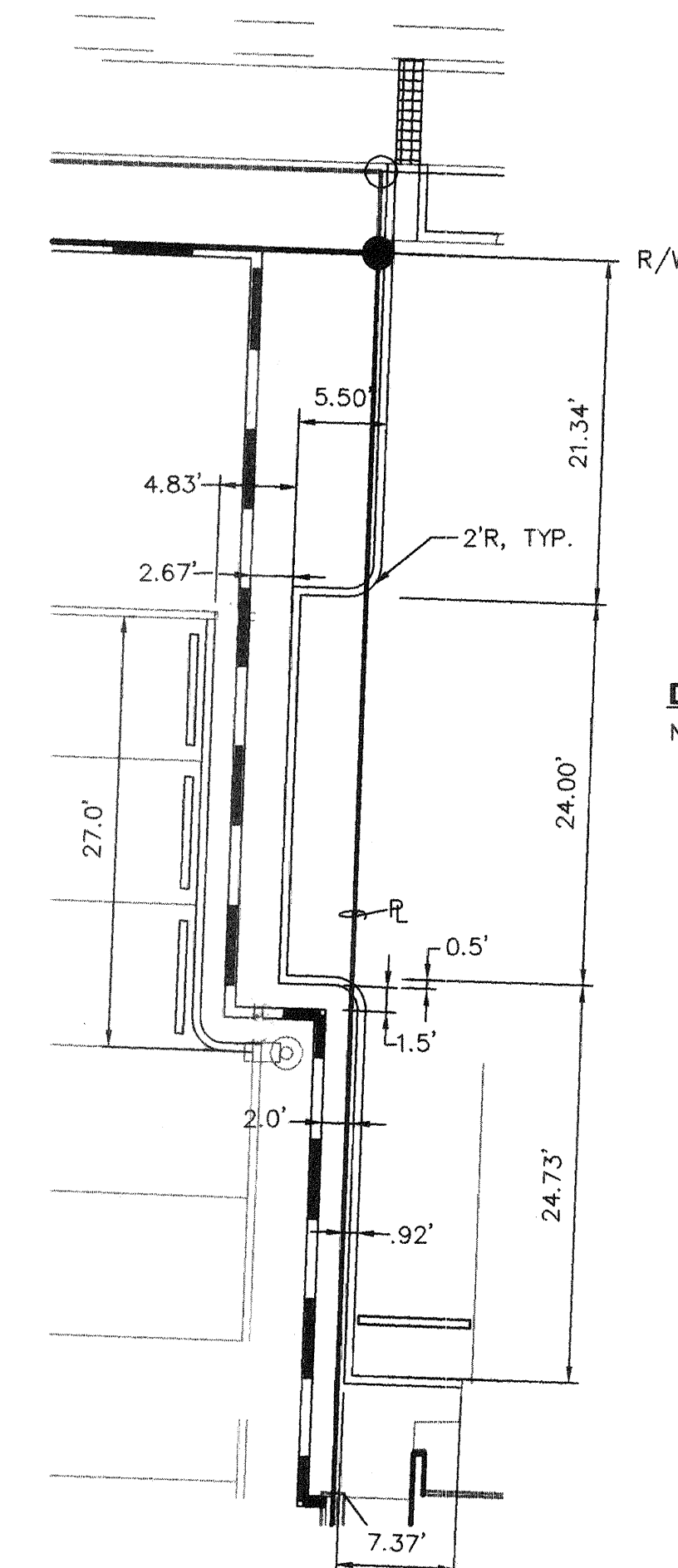
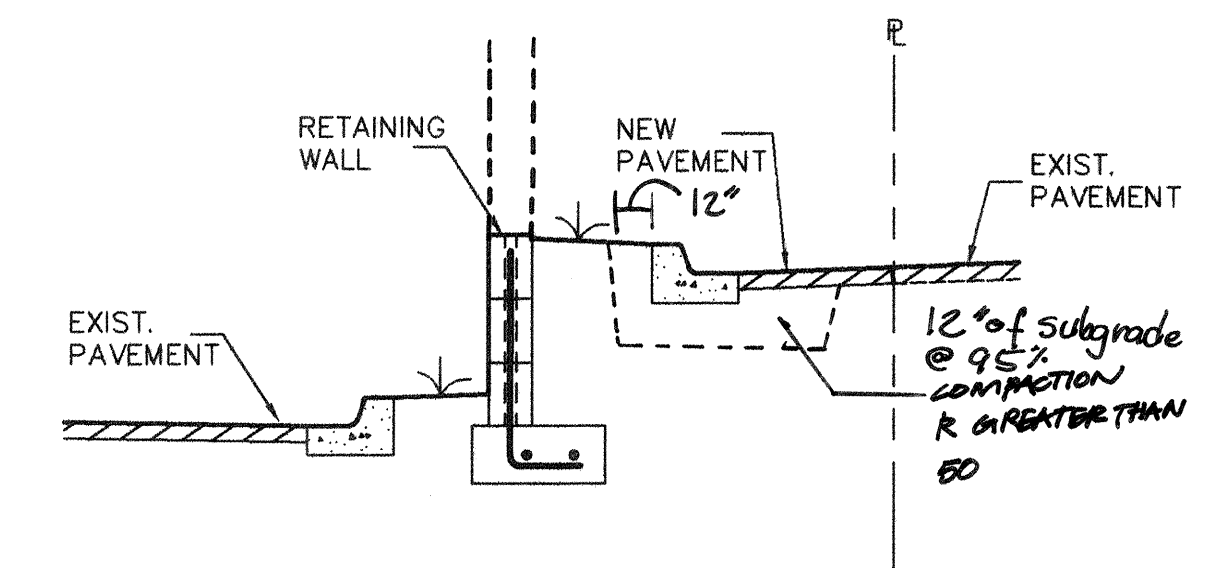
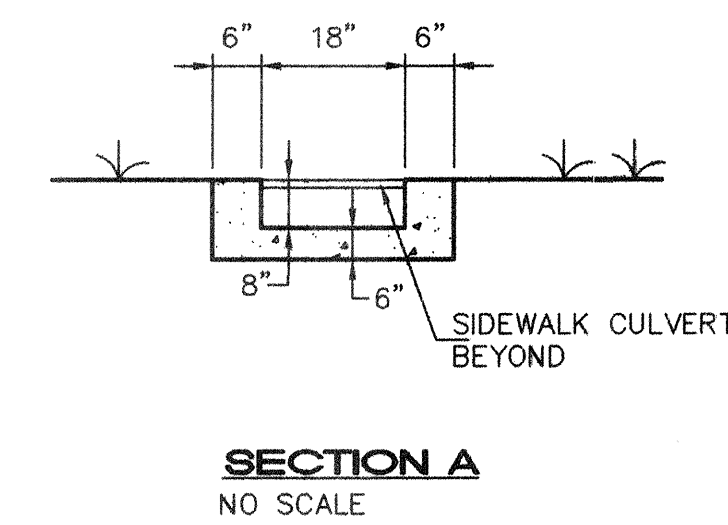
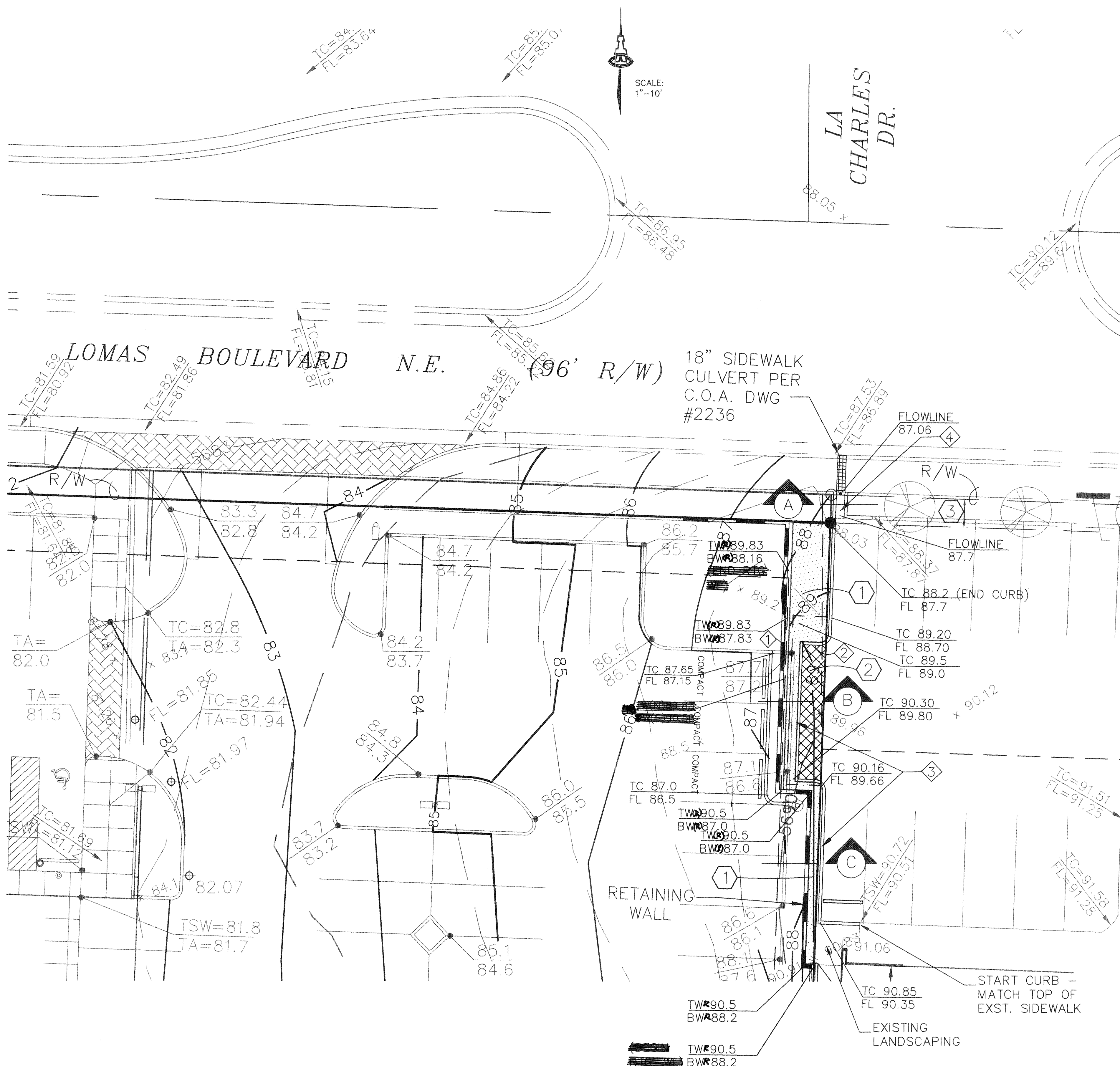
 **LOCATION PLAN**
1" = 40'-0"

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D/P/S 97092.03

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: FOOTHILLS AREA COMMAND POLICE SUBSTATION SITE IMPROVEMENTS			
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
			
PROJECT NO. 5973.92	MAP NO. K-22-Z	SHEET 3	OF 7

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION		
	NO.	BY	DATE	ACS MONUMENT "3-J22" ELEVATION NGVD29 = 5664.884' LOCATED AT THE EASTERN RETURN OF NORTHEAST QUADRANT OF CHELWOOD PARK BLVD. AND LOMAS BLVD.		CONTRACTOR		
	NO.	BY	DATE			WORK STANDARD BY	DATE	
	NO.	BY	DATE			INSPECTOR'S FIELD CHANGE BY	DATE	
	NO.	BY	DATE			VERIFICATION BY CORRECTED BY	DATE	
DESIGN		MICRO-FILM INFORMATION						
DESIGNED BY	MRM	DATE	10.14.02			RECORDED BY	DATE	
DRAWN BY	MRM	DATE	10.14.02					
CHECKED BY	MRM	DATE	10.14.02					



KEYED EASEMENT NOTES

- LANDSCAPING
- PARKING/ACCESS (TURNING) EASEMENT
- EXISTING UNDERGROUND UTILITY EASEMENT (DOC. NO. 8827863)

CONSTRUCTION NOTES

- REMOVE EXISTING CURBING EAST OF NEW CURBING (NORTH-SOUTH)
- 3" ASPHALTIC PAVING, MATCH EXISTING ASPHALT GRADE ON EAST SEAM
- BUILD C.O.A. MEDIAN CURB, DWG #2415
- BUILD CONC. RUNDOWN, PROPERTY LINE TO SDWK (SEE SECTION A)

NOTE: THIS SHEET SHOWS TOP AND BOTTOM OF RETAINING WALL PORTIONS ONLY, REFER TO SHEET 5 FOR FULL WALL EXTENTS.

LEGEND

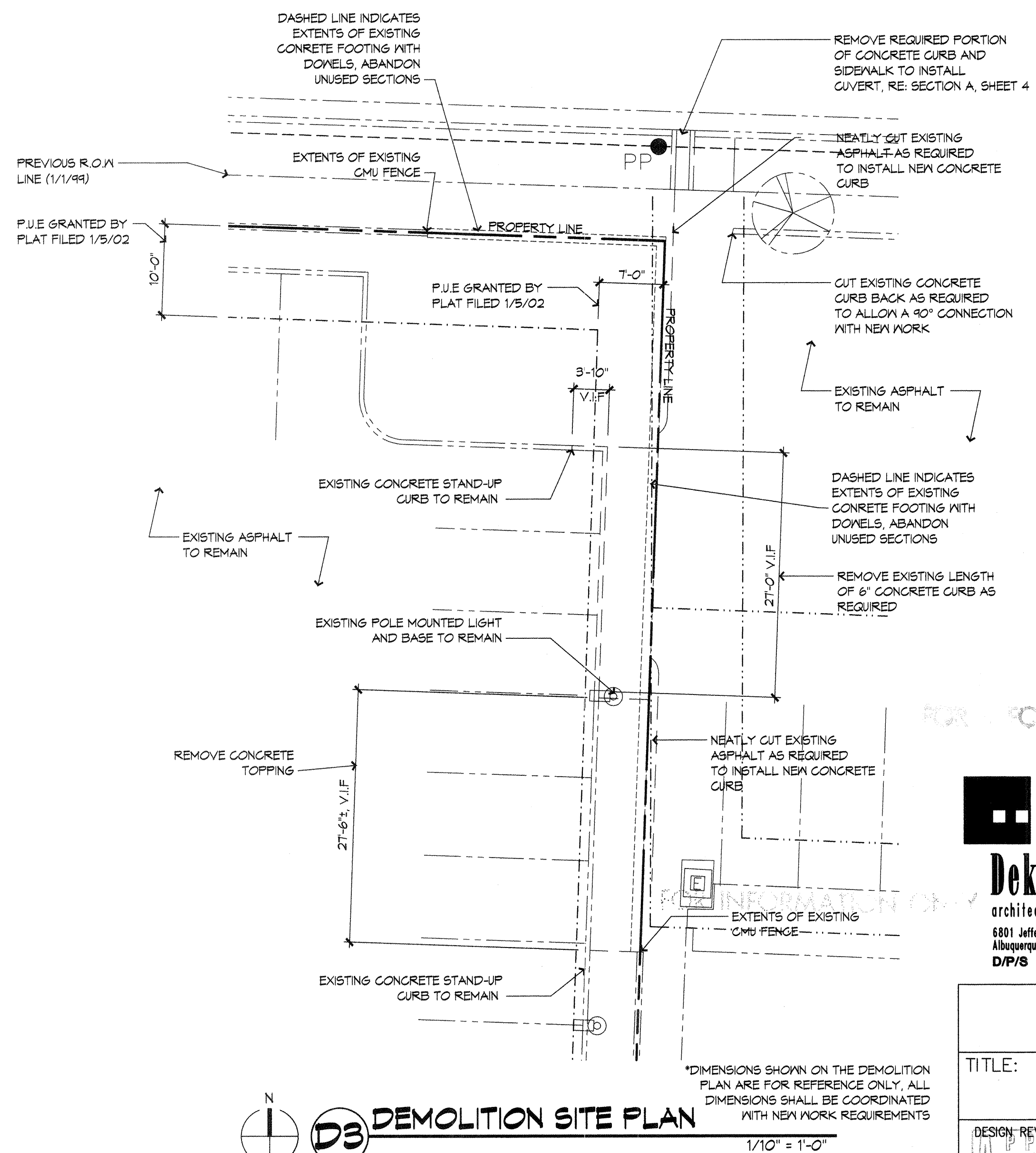
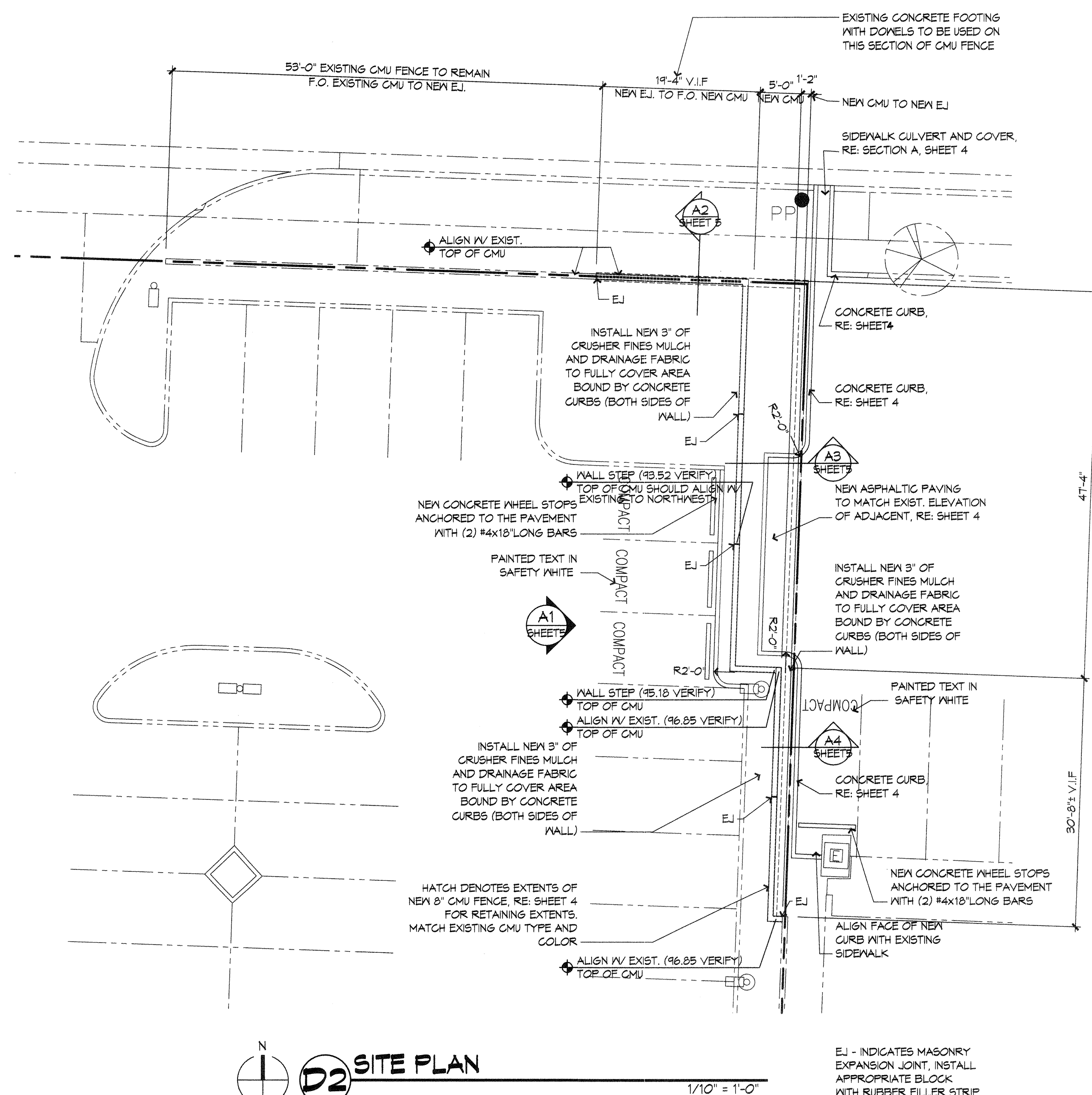
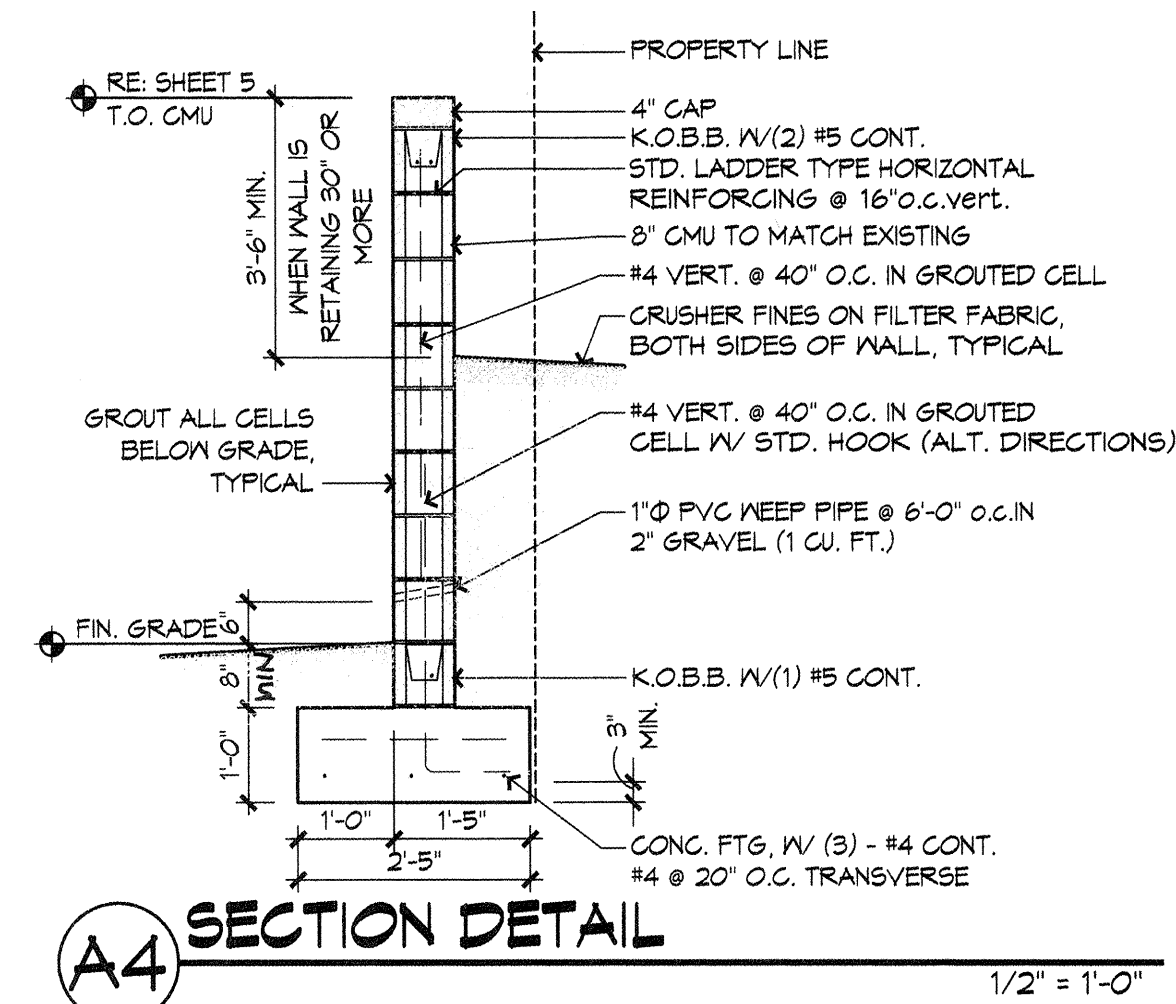
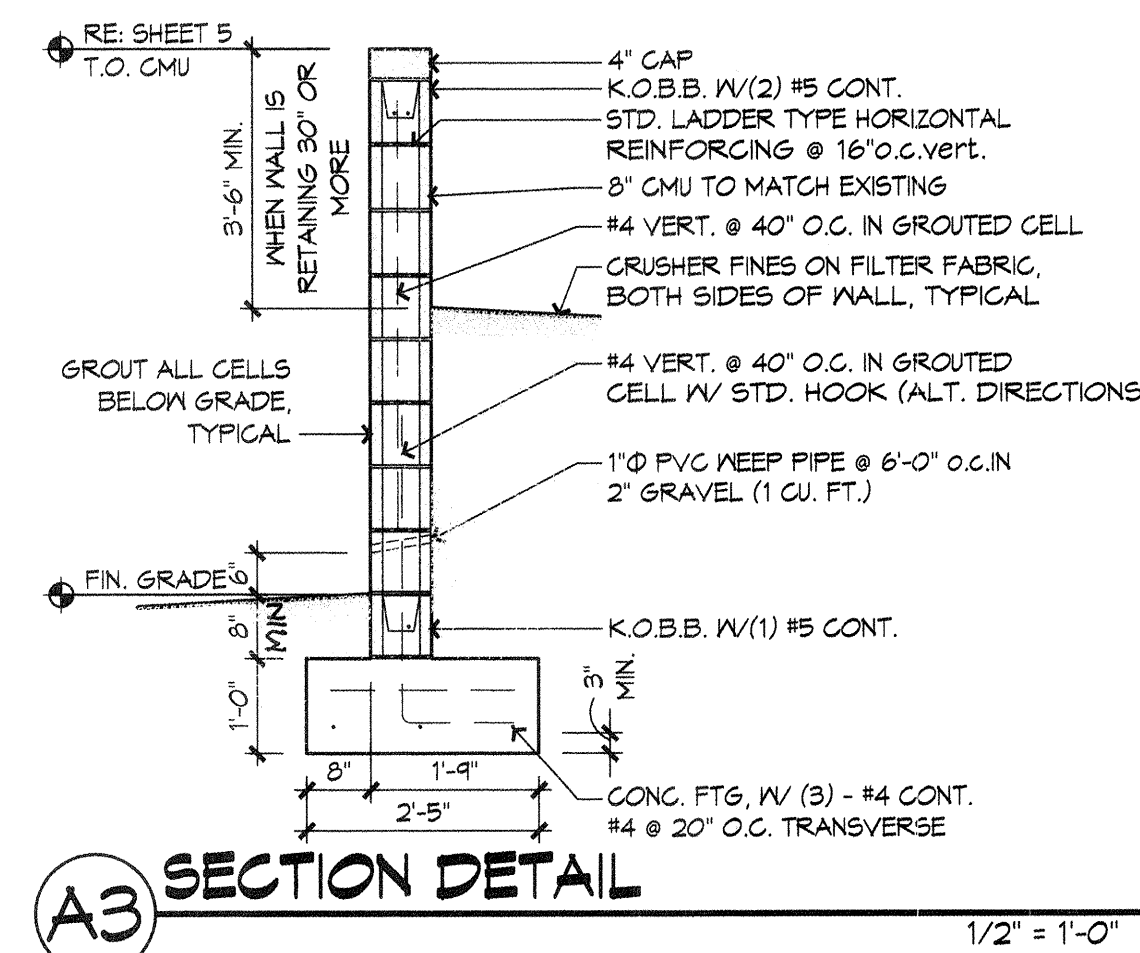
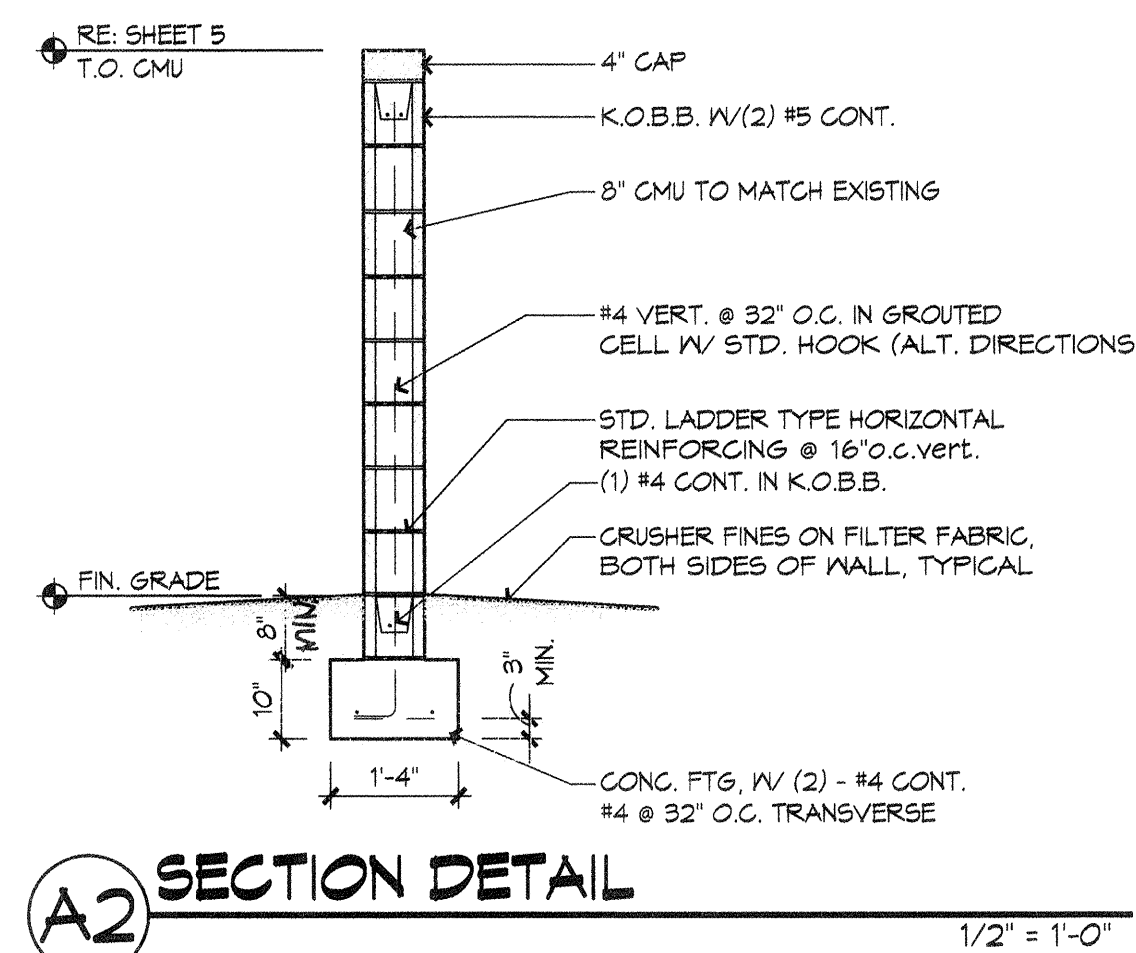
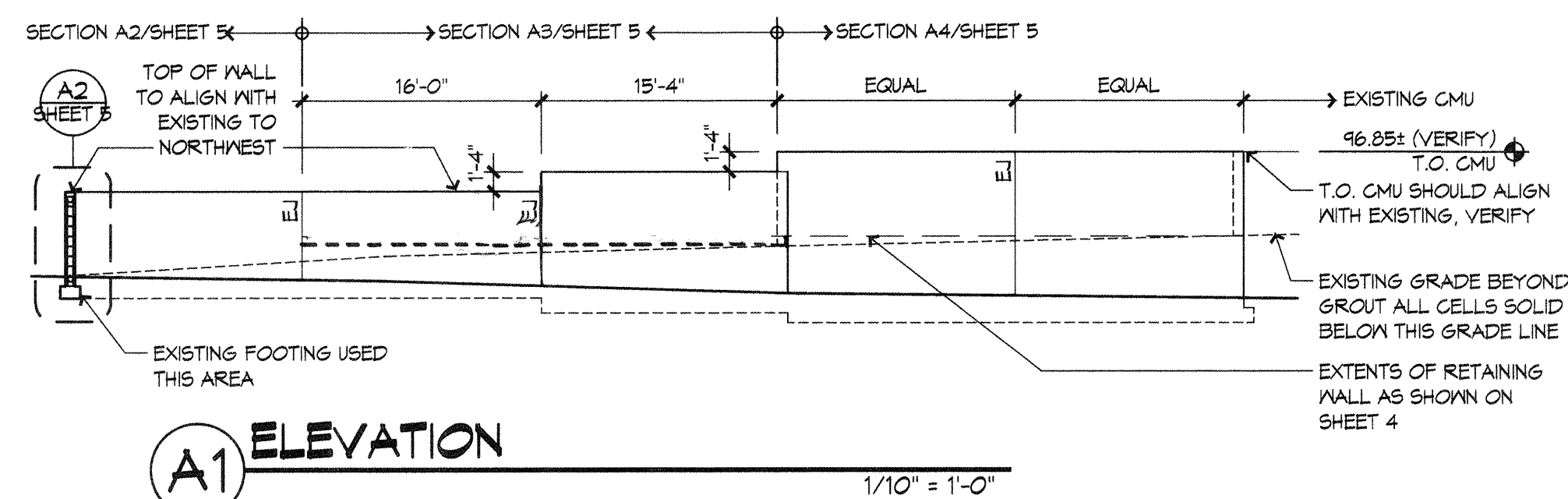
- EXIST. SPOT ELEV.
- EXIST. CONTOUR
- PROPOSED ELEVATION
- RETAINING WALL
- CURB & GUTTER
- NEW PAVING WITHIN ACCESS EASEMENT
- LANDSCAPE
- PARKING LOT LIGHT FIXTURE
- TOP OF RETAINING WALL
- BOTTOM OF RETAINING WALL

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

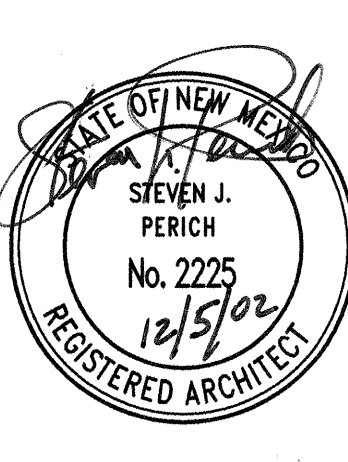
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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP			
TITLE: FOOTHILLS AREAS COMMAND POLICE SUBSTATION SITE IMPROVEMENTS			
Design Review Committee	City Engineer Approval	Mo./Day/Yr.	
JAN 22 '03	JAN 22 '03		
DESIGN	CITY ENGINEER	Last Design Update	
City Project No.	Zone Map No.	Sheet	Of
5973.92	K-22-2	44	7

AS-BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				FIELD NOTES				ENGINEER'S SEAL			
CONTRACTOR	STANDARD	BY	DATE	CONTRACTOR	STANDARD	BY	DATE	CONTRACTOR	STANDARD	BY	DATE	CONTRACTOR	STANDARD	BY	DATE	CONTRACTOR	STANDARD	BY	DATE
INSPECTOR'S	DATE	BY	DATE	INSPECTOR'S	DATE	BY	DATE	INSPECTOR'S	DATE	BY	DATE	INSPECTOR'S	DATE	BY	DATE	INSPECTOR'S	DATE	BY	DATE
FIELD	DATE	BY	DATE	FIELD	DATE	BY	DATE	FIELD	DATE	BY	DATE	FIELD	DATE	BY	DATE	FIELD	DATE	BY	DATE
CORRECTED	DATE	BY	DATE	CORRECTED	DATE	BY	DATE	CORRECTED	DATE	BY	DATE	CORRECTED	DATE	BY	DATE	CORRECTED	DATE	BY	DATE
MICRO-FILM INFORMATION				MICRO-FILM INFORMATION				MICRO-FILM INFORMATION				MICRO-FILM INFORMATION				MICRO-FILM INFORMATION			
RECORDED	DATE	BY	DATE	RECORDED	DATE	BY	DATE	RECORDED	DATE	BY	DATE	RECORDED	DATE	BY	DATE	RECORDED	DATE	BY	DATE
NO.				NO.				NO.				NO.				NO.			



GENERAL NOTES

- RE: SHEET 4 FOR CURB PLACEMENT DIMENSIONS AND TYPE
- SHEET 4 DEVOTES EXTENTS OF RETAINING WALL CONDITION ONLY. RE: THIS SHEET FOR FULL HEIGHT AND LENGTH EXTENTS.
- COORDINATE ALL WORK ON ADJACENT PROPERTY WITH THAT OWNER
- COAT ALL CMU BELOW GRADE WITH BITUMINOUS COATINGS



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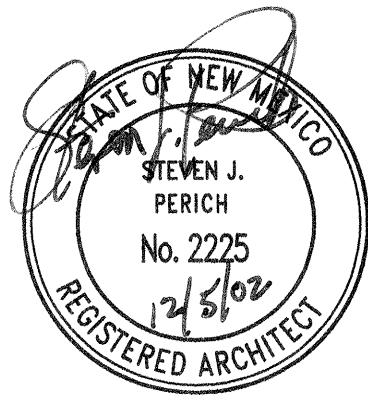
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: FOOTHILLS AREA COMMAND POLICE SUBSTATION SITE IMPROVEMENTS			
DESIGN REVIEW COMMITTEE	QTY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
JAN 22 2003	JAN 22 2003		
DESIGN REVIEW COMMITTEE	CITY ENGINEER	DESIGNED BY	DATE
		MRM	10.14.02
PROJECT NO. 5973.92	MAP NO. K-22-Z	DRAWN BY	DATE
		MRM	10.14.02
		CHECKED BY	DATE
		MRM	10.14.02
SHEET 5 OF 7			

AS BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				ENGINEER'S SEAL			
CONTRACTOR	WORK	DATE	NO.	CONTRACTOR	WORK	DATE	NO.	NO.	BY	DATE	NO.	NO.	BY	DATE	NO.
5664.884'	LOCATED AT THE EASTERN RETURN OF NOTHEAST QUADRANT OF CHELWOOD PARK BLVD. AND LOMAS BLVD.														
MICRO-FILM INFORMATION				REMARKS				DESIGN				CHECKED BY			
RECORDED BY	NO.	DATE	NO.	DESIGNED BY	DATE	NO.	NO.	DESIGNED BY	DATE	NO.	NO.	DESIGNED BY	DATE	NO.	NO.
				MRM	10.14.02			MRM	10.14.02			MRM	10.14.02		

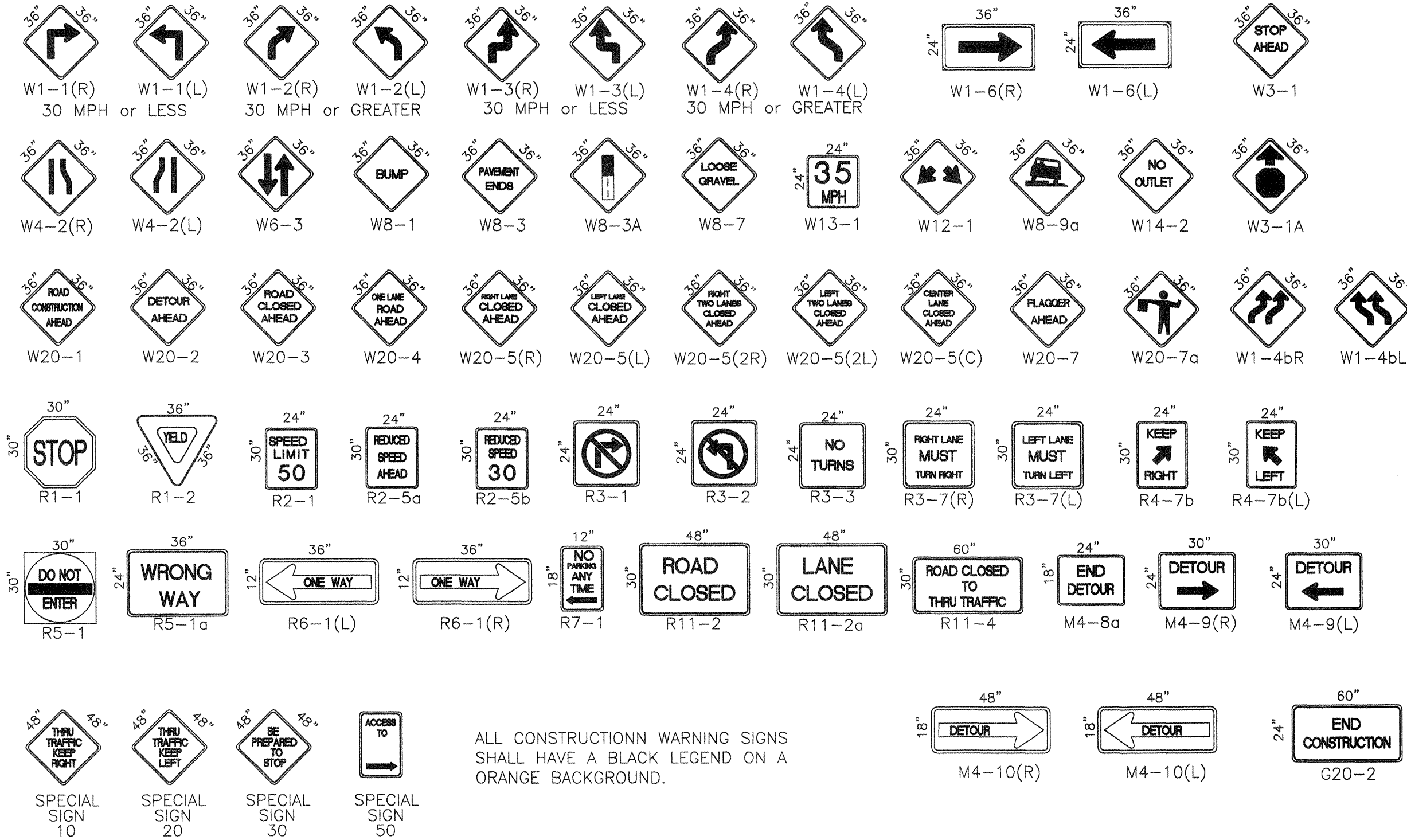
CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

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 SEPERATE 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.

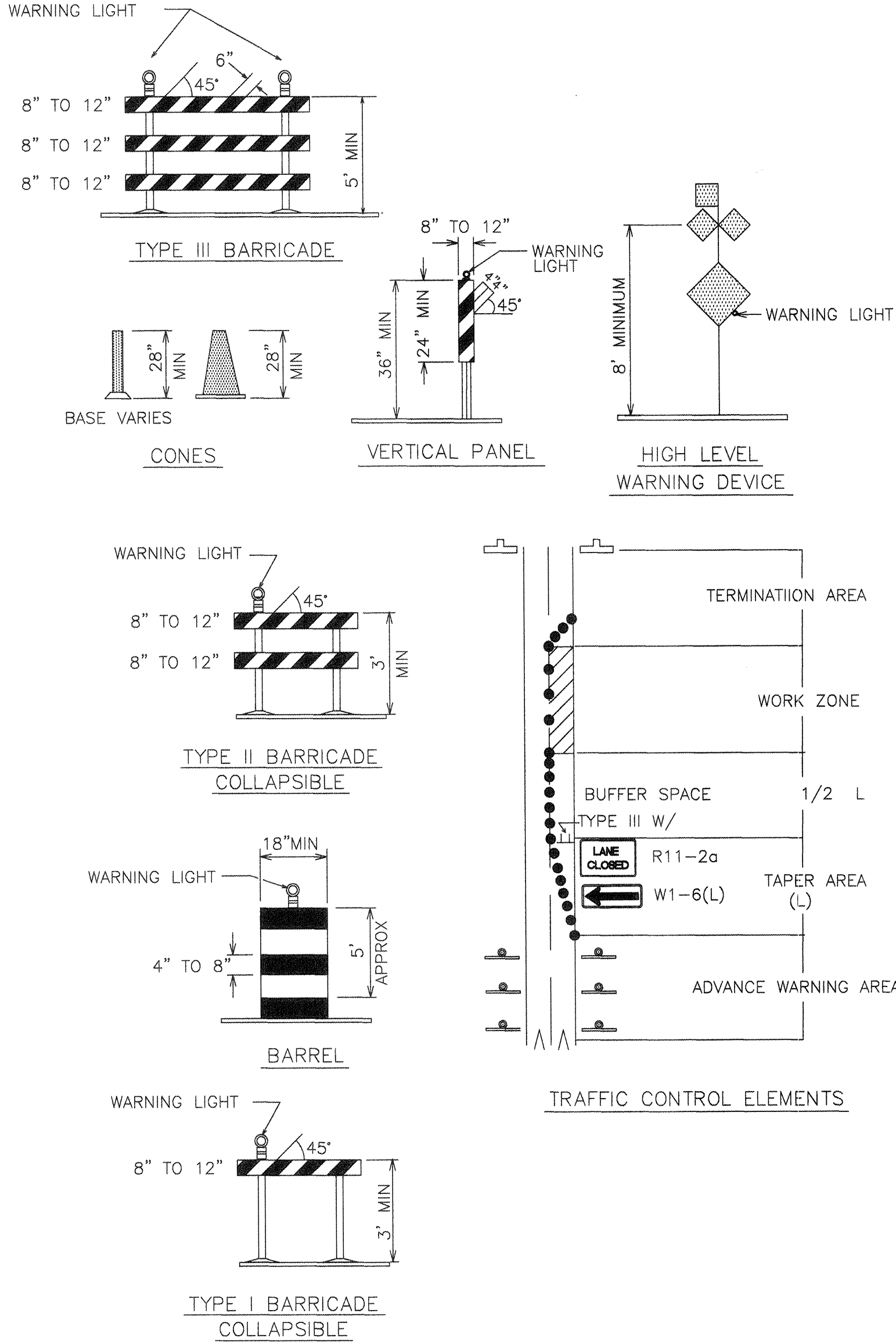
22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
1. STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
2. THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
3. SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC 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.
28. LANE CLOSURES ON LOMAS BLVD. SHALL BE LIMITED TO THE HOURS BETWEEN 9:00 A.M. AND 3:00 P.M.



SIGN FACE DETAILS



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



LEGEND

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

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

TAPER REQUIREMENT

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

RECOMMENDED SIGN SPACING(D) FOR ADVANCE WARNING SIGN SERIES

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

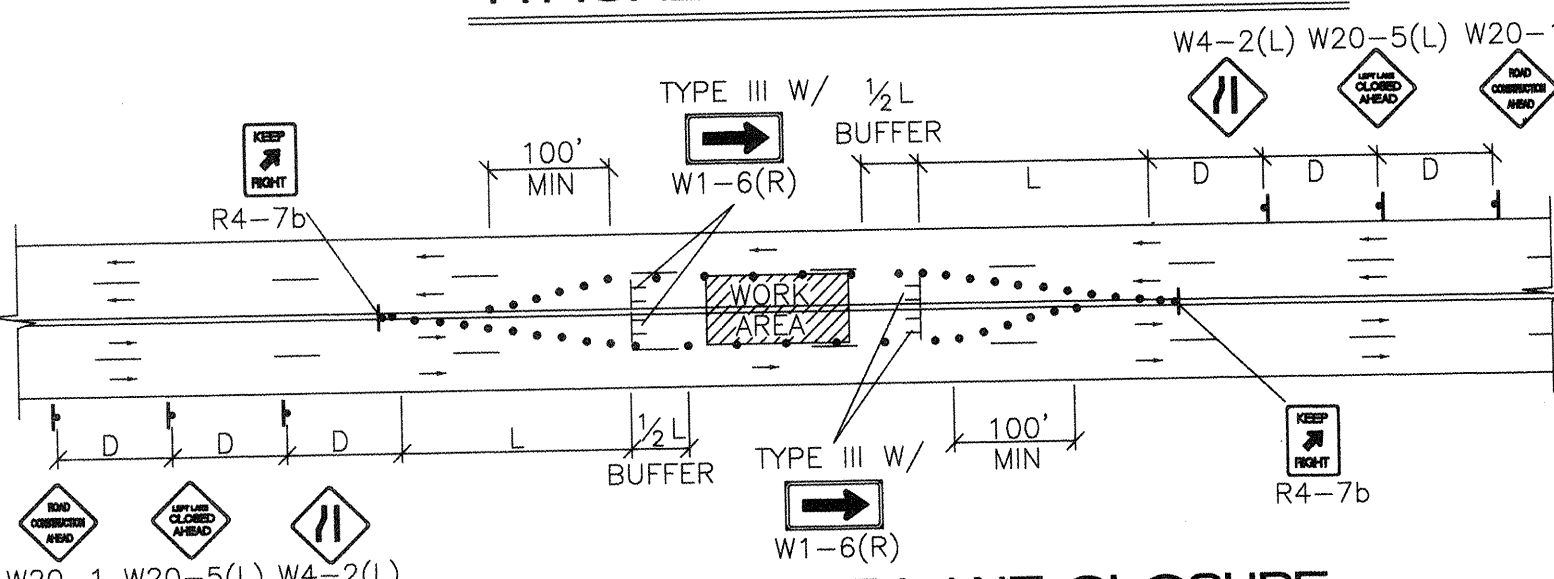
FOR INFORMATION ONLY

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

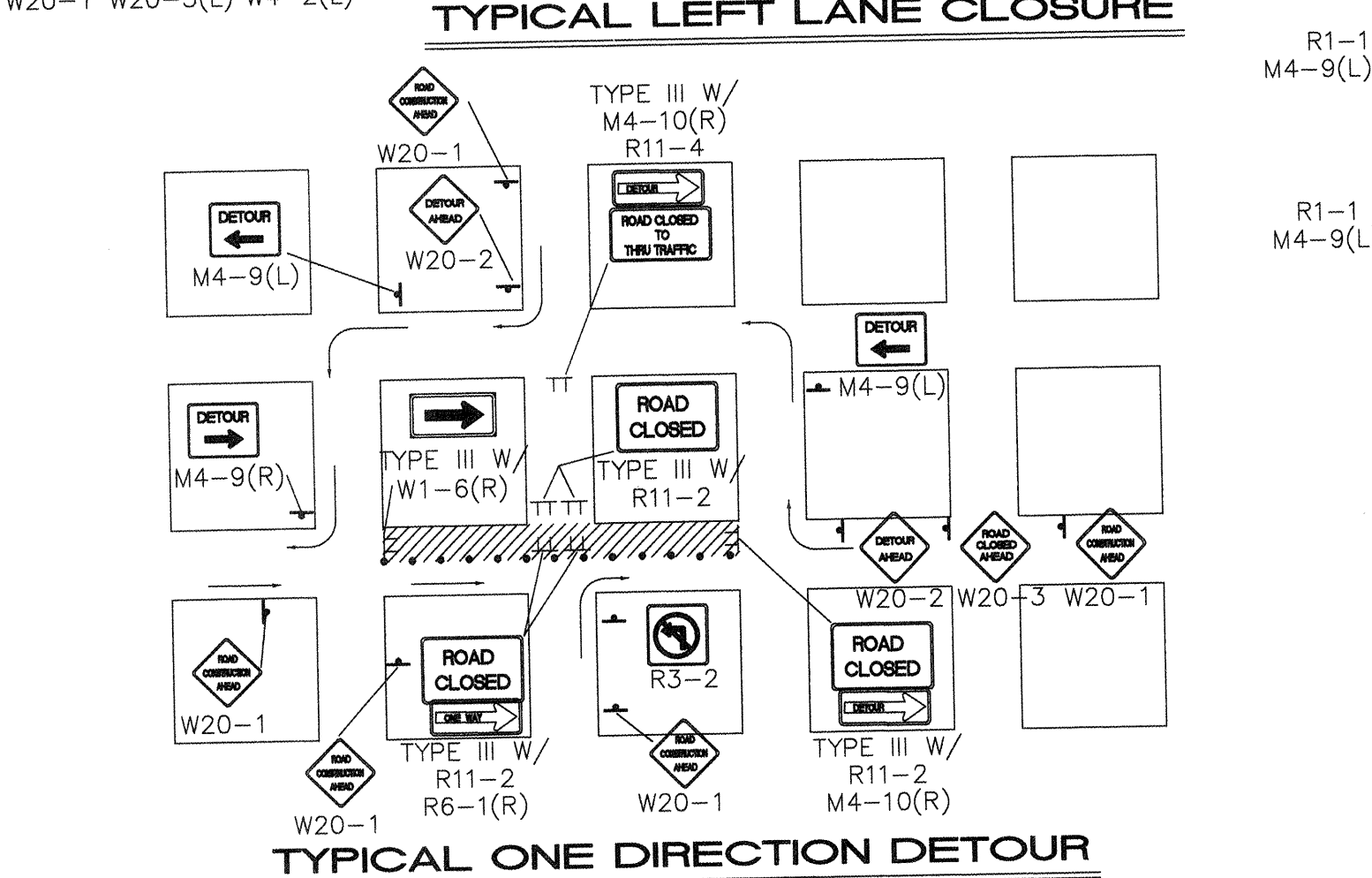


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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS			
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
PROJECT NO. 5973.92	MAP NO. K-22-Z	SHEET 6 OF 7	

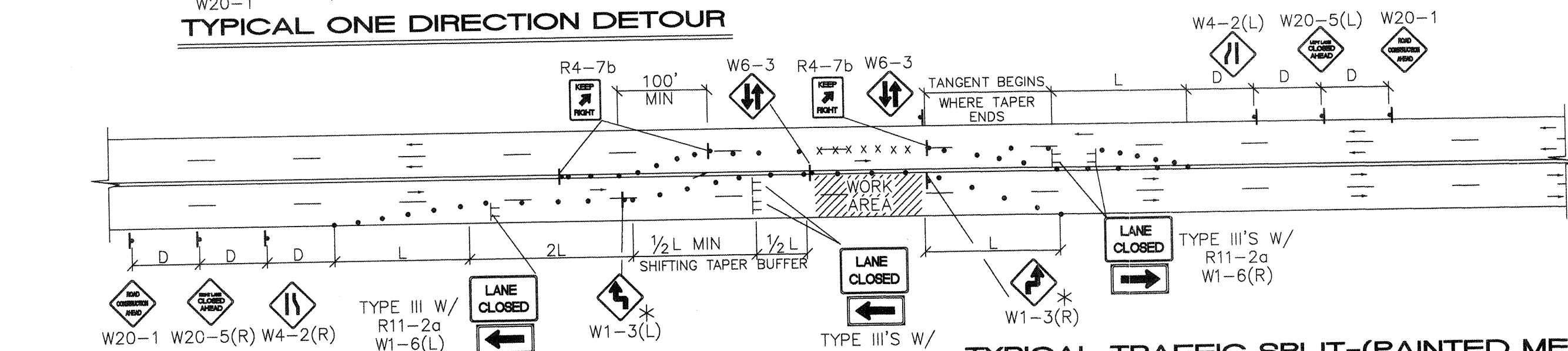


TYPICAL LEFT LANE CLOSURE

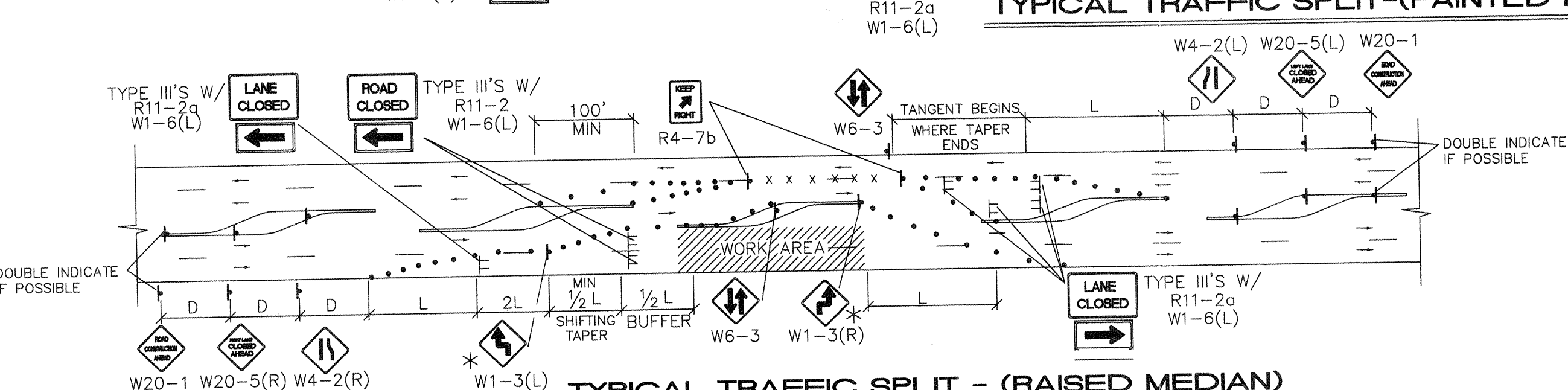


W20-1

TYPICAL ONE DIRECTION DETOUR

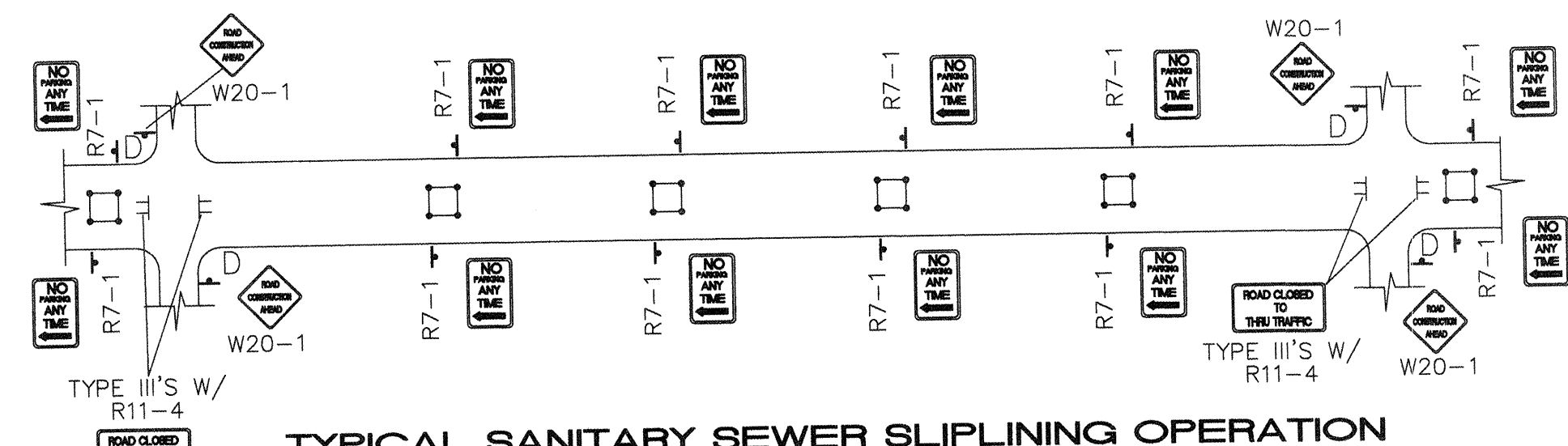


TYPICAL TRAFFIC SPLIT-(PAINTED MEDIAN)



TYPICAL TRAFFIC SPLIT - (RAISED MEDIAN)

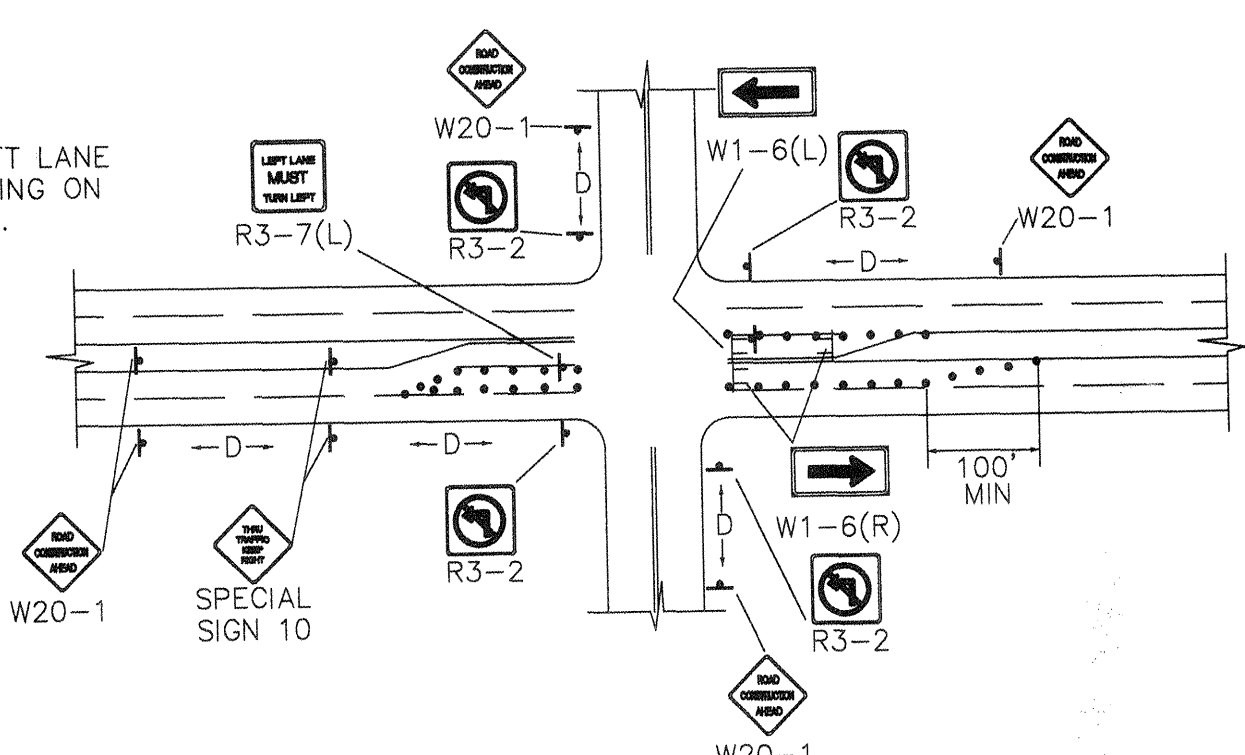
- TRAFFIC SPLIT NOTES:**
1. THE OFFSET DISTANCE MUST BE CALCULATED IN ALL SHIFTING TAPERS. THE OFFSET DISTANCES SHALL INCLUDE LANE WIDTHS PLUS MEDIAN WIDTHS.
 2. 1/2 L IS THE MINIMUM DISTANCE FOR SHIFTING TAPERS.
 3. REVERSE CURVES MAY BE IMPLEMENTED. ALL CURVE DATA SHALL BE CALCULATED.
 4. MEDIAN REMOVAL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

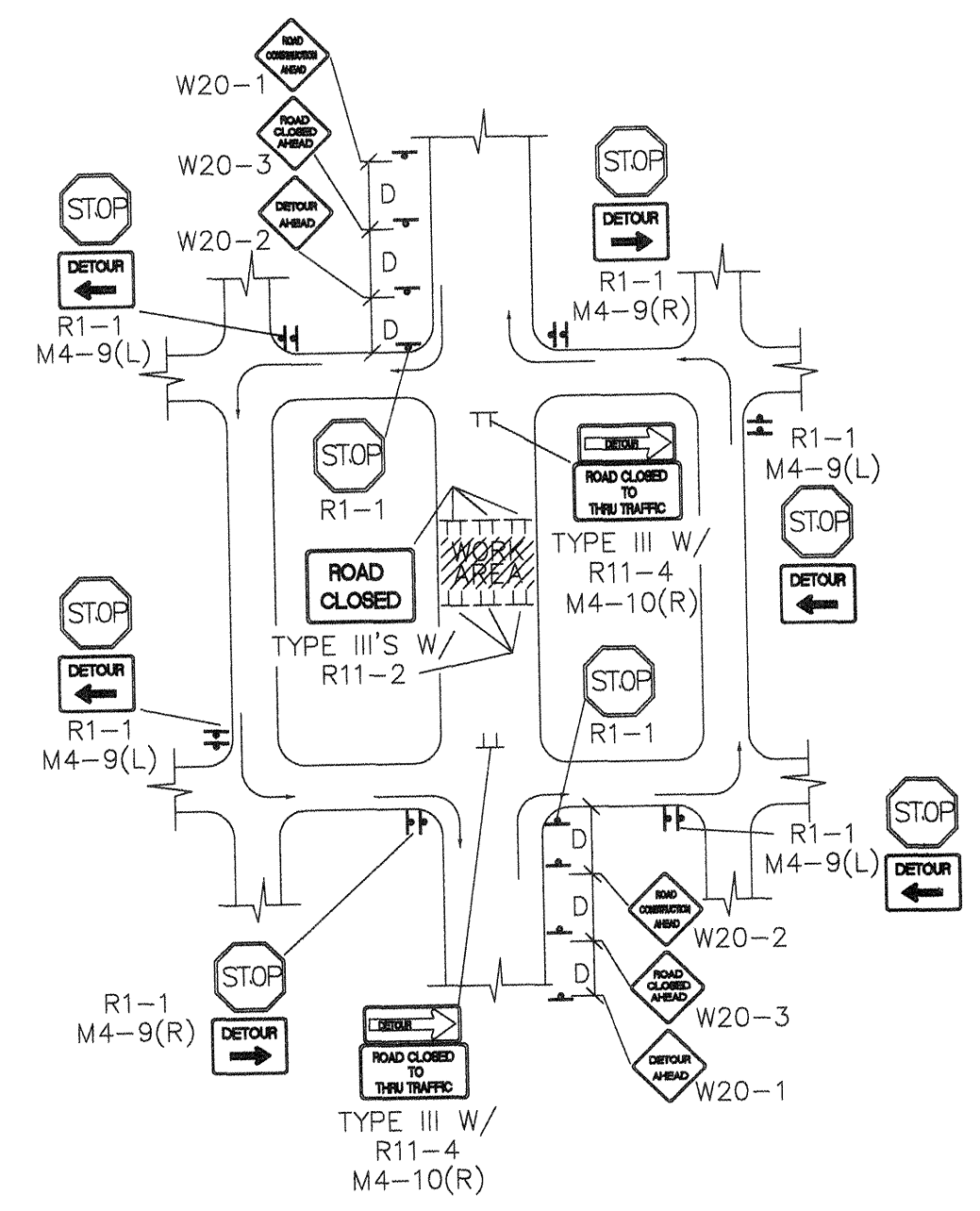
- ALL PITS TO HAVE TYPE-A FLASHING LIGHTS
- ALL PITS TO HAVE FLAGLINE

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



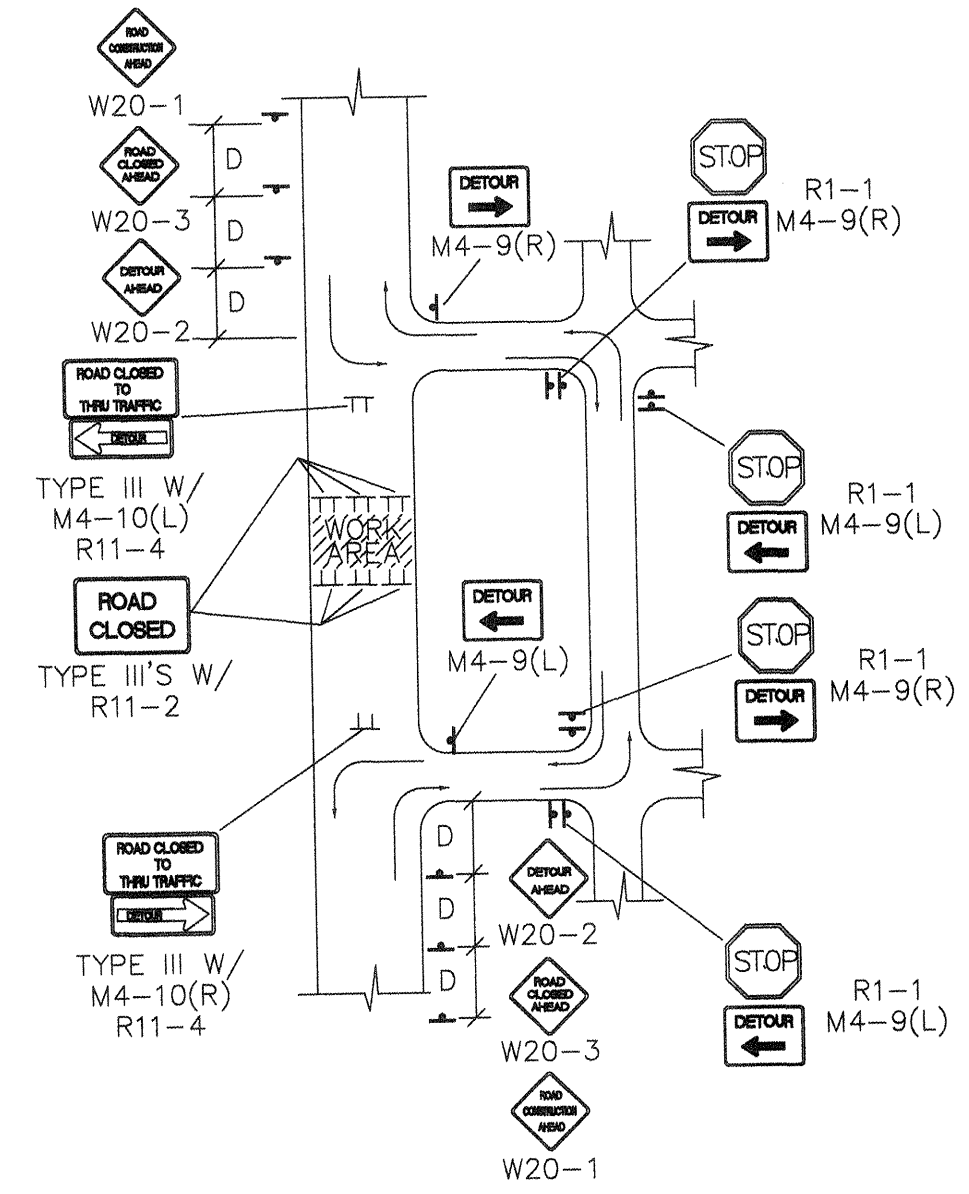
TYPICAL LANE CLOSURE AT INTERSECTION

NOTE: DEPENDING ON WORK ZONE LOCATION



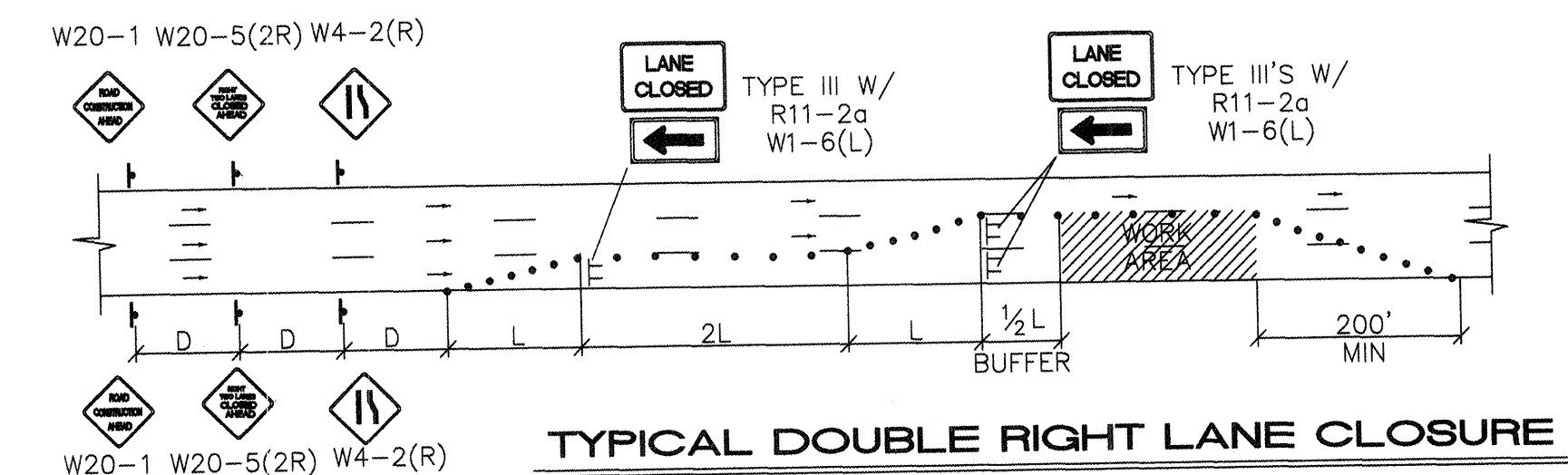
TYPICAL MID-BLOCK CLOSURE

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

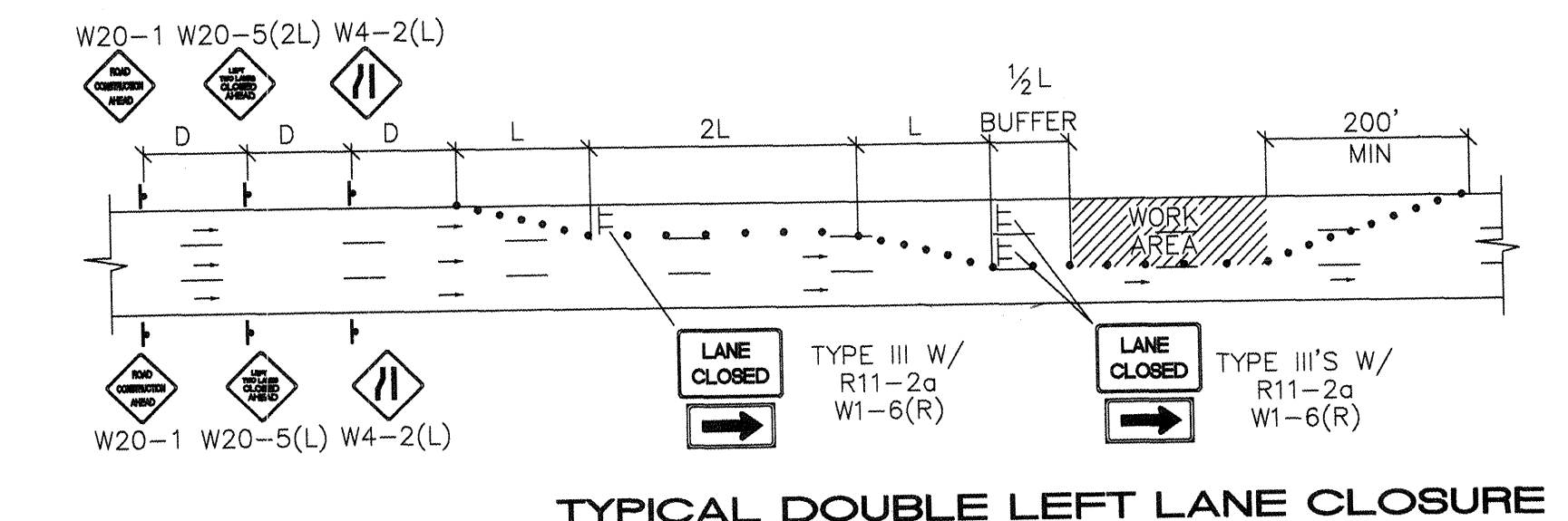


TYPICAL STREET CLOSURE

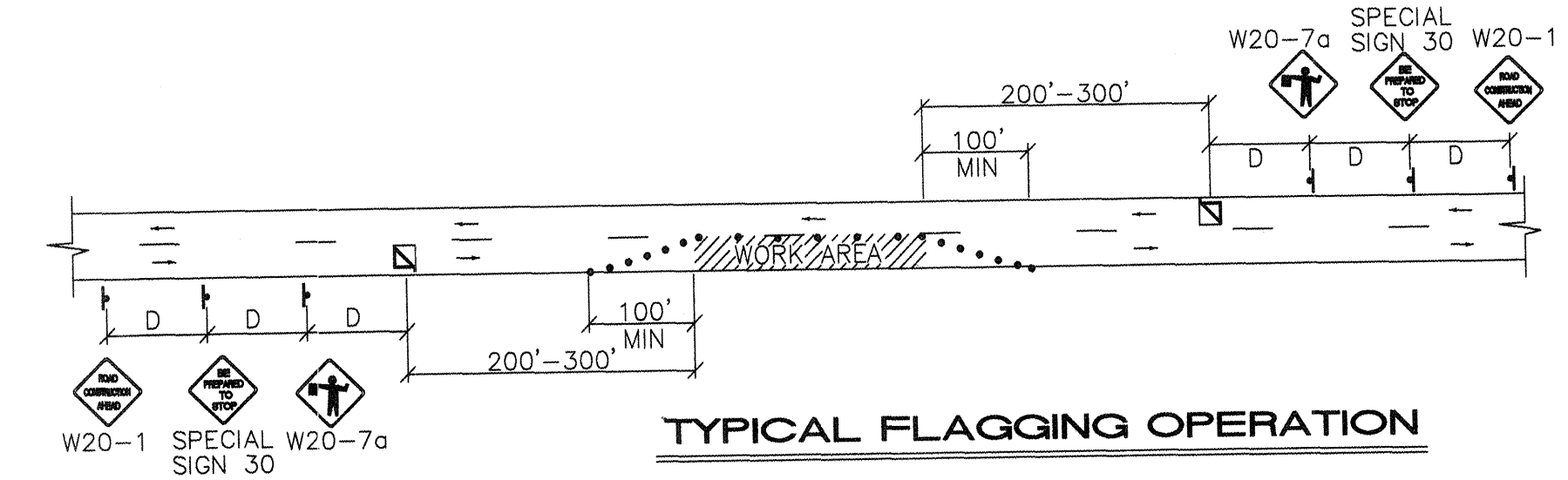
NOTE: (R1-1) BASED ON FIELD CONDITIONS.



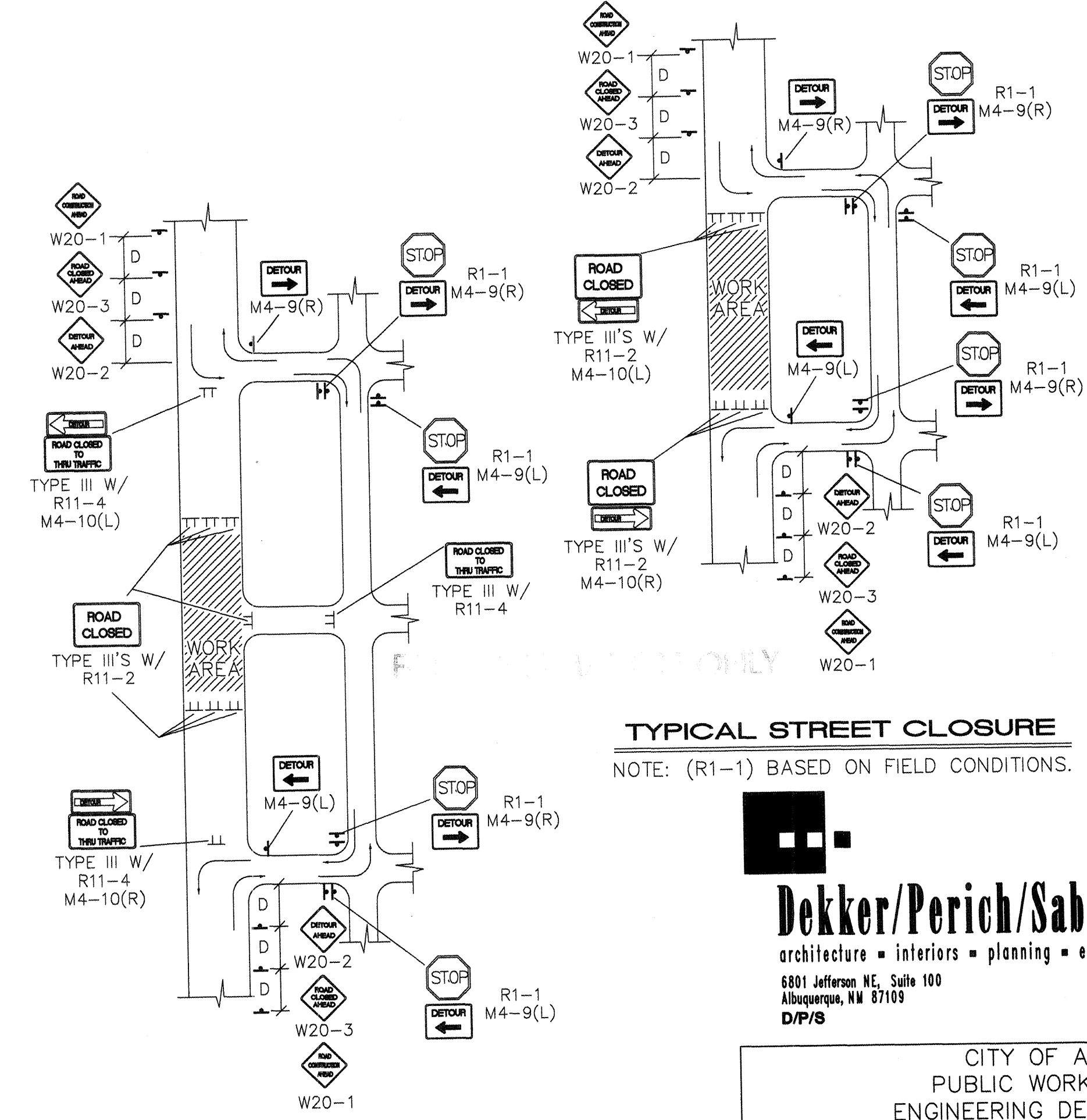
TYPICAL DOUBLE RIGHT LANE CLOSURE



TYPICAL DOUBLE LEFT LANE CLOSURE



TYPICAL FLAGGING OPERATION



TYPICAL STREET CLOSURE

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

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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF. M.U.T.C.D.)			
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
			
PROJECT NO. 5973.92	MAP NO. K-22-Z	SHEET 7 OF 7 OF	