

MARION FOX MEMORIAL PARK RENOVATION

700 ALVARADO DR. NE

CITY OF ALBUQUERQUE, PARKS AND RECREATION DEPARTMENT

INDEX OF DRAWINGS

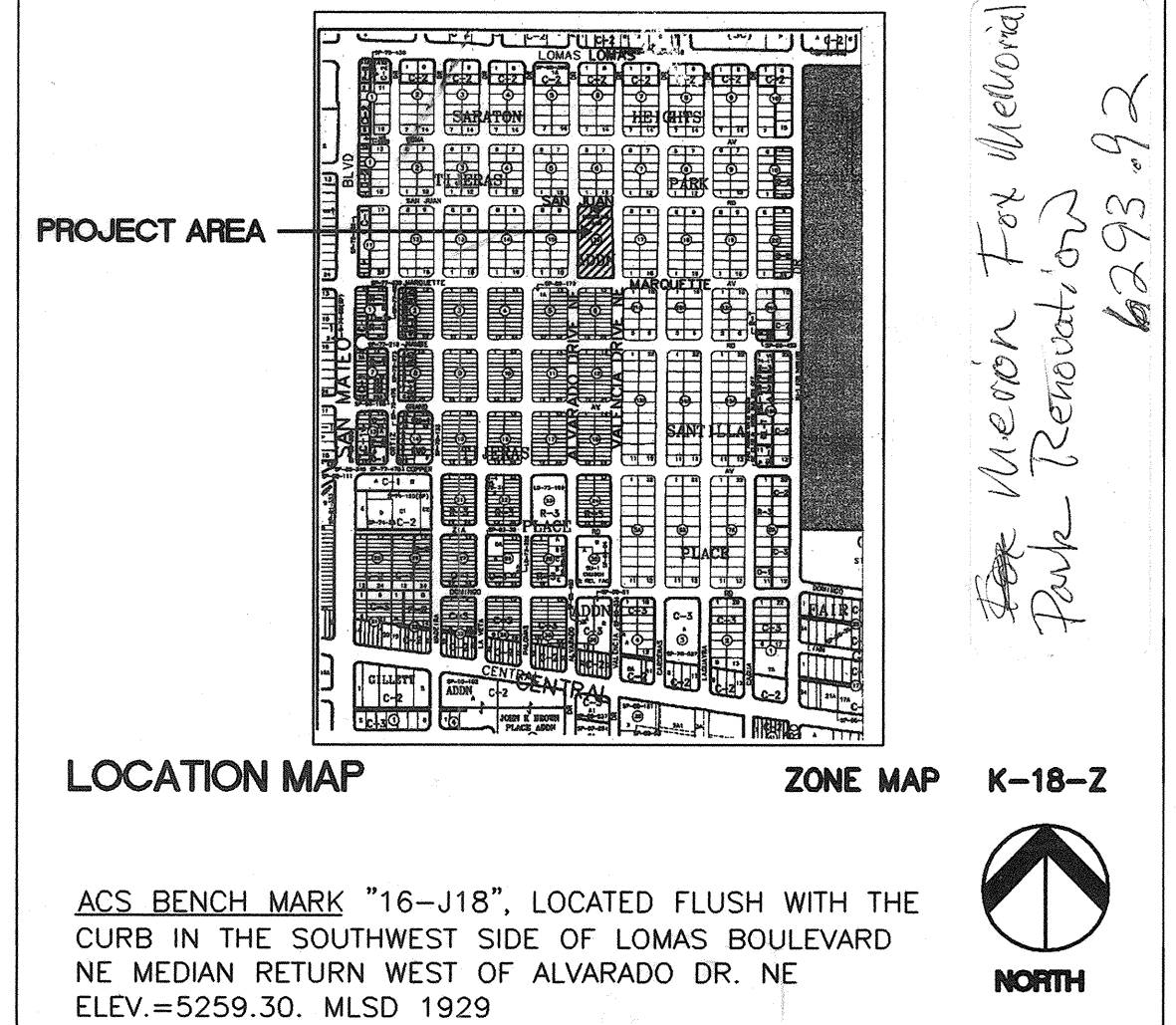
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FOR INFORMATION ONLY

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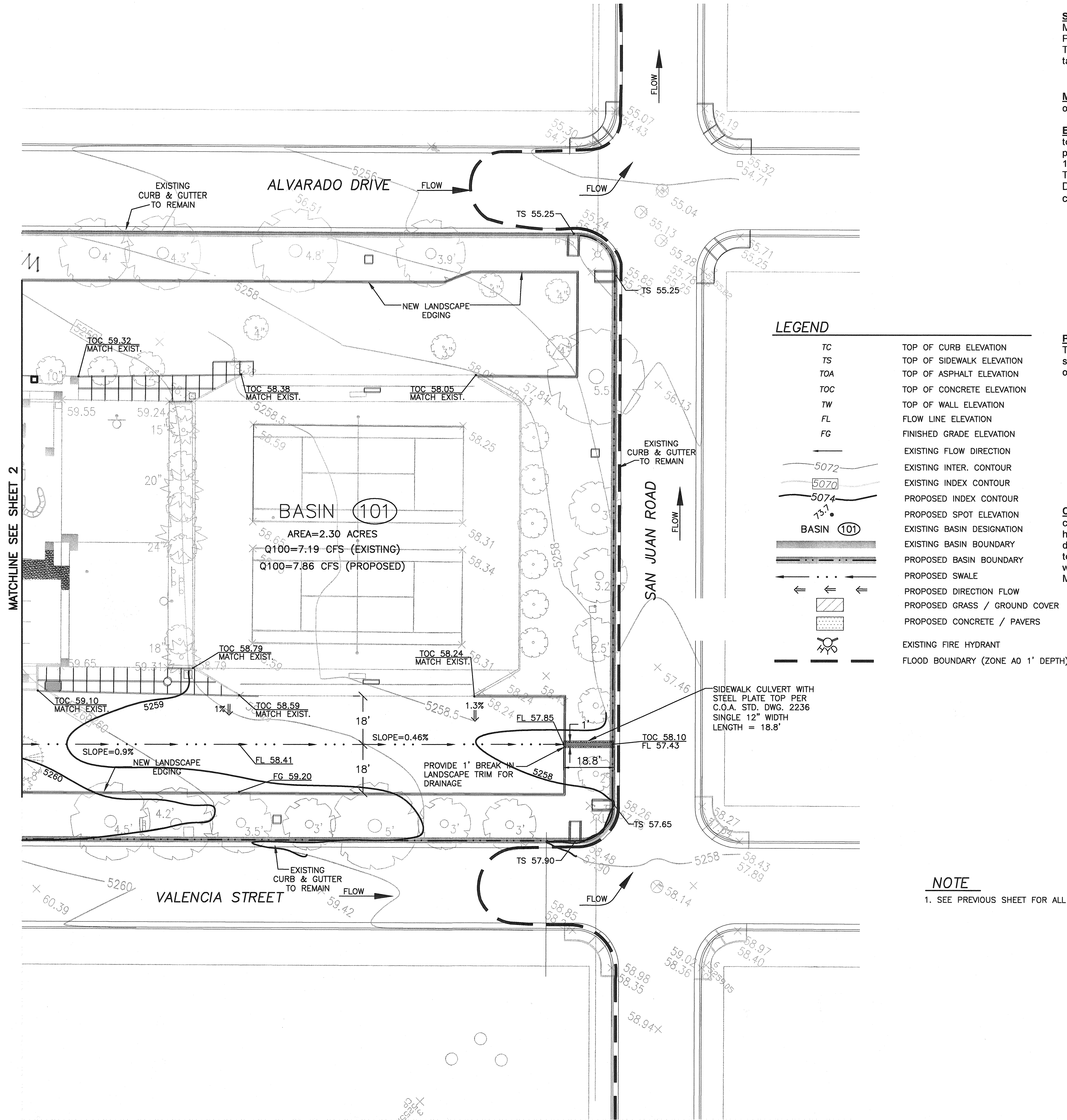
SET NUMBER: _____



GENERAL NOTES

1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN THE CITY RIGHT-OF-WAY.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREIN, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION, UPDATE NO.6
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
4. 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 LANDSCAPE ARCHITECT OR SURVEYOR IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONST. COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
6. CONTRACTOR SHALL COORDINATE WITH WATER SYSTEMS DIVISION (857-8200) FIVE WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT EXISTING PUBLIC WATER OR SEWER UTILITIES. EXISTING VALVES TO BE OPERATED BY CITY PERSONNEL ONLY. CONTRACTOR SHALL CONTACT THE WATER SYSTEMS DIVISION SEVEN DAYS PRIOR TO NEEDING VALVES TURNED ON OR OFF.
7. CONTRACTOR SHALL RECORD DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE PREPARATION OF "AS CONSTRUCTED" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED.
8. CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK, IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE LANDSCAPE ARCHITECT AND SHALL NOTIFY THE LANDSCAPE ARCHITECT AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY OF ALBUQUERQUE SURVEY SECTION. WHEN A CHANGE IS MADE IN THE FINISH ELEVATION 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 NEW GRADE, UNLESS OTHERWISE SPECIFIED.
9. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.

[illegible]



DRAINAGE REPORT

Site Location: Marion Fox Memorial Park is located in the northeast heights at the intersection of Marquette Avenue and Alvarado Drive. The park consists of an entire city block in the Tijeras Park Addition subdivision. The proposed development includes renovation of the existing park. The work includes asphalt paving, concrete work, landscaping and the construction of two picnic table sites.

Methodology: Section 22.2 of the City of Albuquerque DPM was used in the hydrology analysis of the site. A principal design storm of 100-yr 6-hour event was used.

Existing Drainage Condition: The existing site consists of 2.30 acres of infill development. The total drainage area is 2.30 acres taken from back of curb along the existing roads. For the most part the existing park drains from south to north. The park will be considered one basin, Basin 101, because it ultimately all drains to the intersection of Alvarado Drive and San Juan Road. The flow then continues down San Juan Road. The project area is within zone 3 of the Development Process Manual. The 100-year discharge per acre for type "D" treatment is 5.02 cfs/acre.

Table 1: TREATMENT							
Basin	Area (ac)	%A	%B	%C	%D	V ₃₆₀ (acre-ft)	Q ₁₀₀ (cfs)
101	2.30	0	78.2	0	21.8	0.236	7.19
Total	2.30					0.236	7.19

Table 1: Breakdown of existing land type for each of the basins, including its respective volumetric runoff and discharge value.

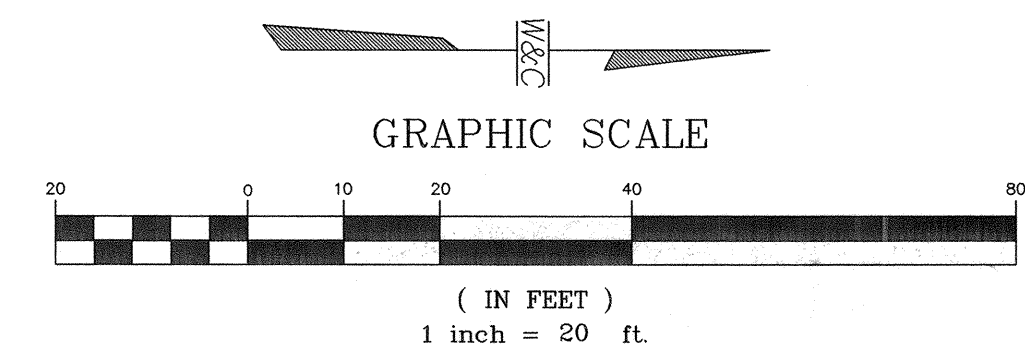
Proposed Conditions: The additions will have no effects on the current drainage patterns. Therefore the drainage is the same. New impervious surfaces such as sidewalk, concrete surfaces, and picnic table pads will increase the existing flows. A crusher fines surface will outline the entire park adding some treatment "C" areas.

Table 2: TREATMENT							
Basin	Area (ac)	%A	%B	%C	%D	V ₃₆₀ (acre-ft)	Q ₁₀₀ (cfs)
101	1.29	0	52.1	21.8	26.1	0.264	7.86
Total	5.36					0.264	7.86

Table 2: Breakdown of existing land type for each of the basins, including its respective volumetric runoff and discharge value.

Conclusions: The proposed development will increase the runoff by 0.67 cfs. This may be conservative, since the crusher fines area is being called a Treatment "C". The crusher fines will have a semi permeable geotextile fabric underneath to discourage weed growth. The proposed drainage patterns will remain the same as the existing drainage patterns. The park will continue to discharge onto Alvarado Drive and San Juan Road. The flow travels down San Juan Road where it is captured by two combination inlets near the intersection of San Juan Road and San Mateo Boulevard.

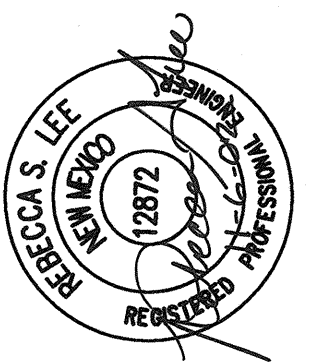
FOR INFORMATION ONLY

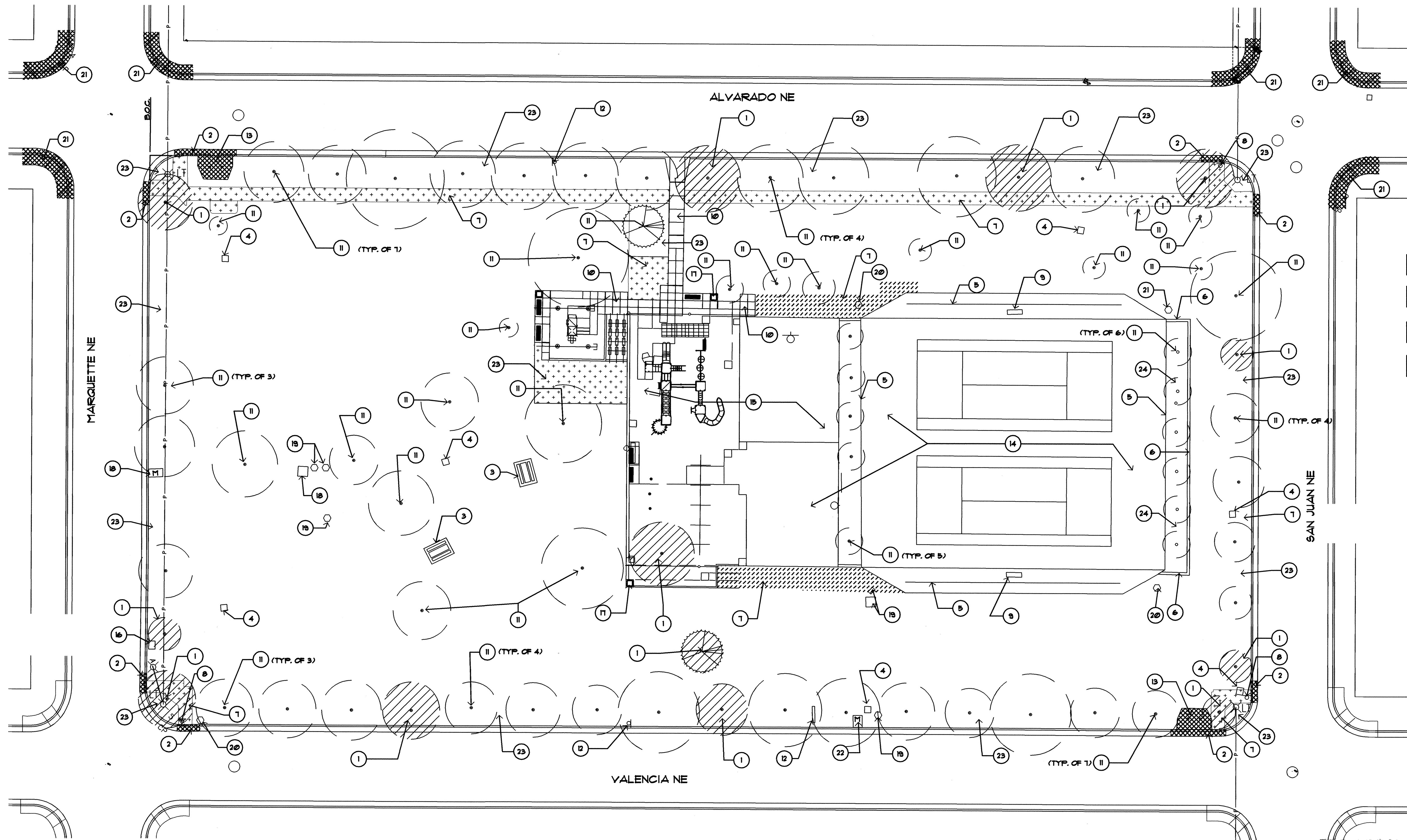


CITY OF ALBUQUERQUE PARKS AND RECREATION PLANNING AND DESIGN			
MARION FOX MEMORIAL PARK RENOVATION GRADING & DRAINAGE PLAN 2 OF 2			
Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED NOV 27 2002 DESIGN REVIEW COMMITTEE	APPROVED NOV 27 2002 CITY ENGINEER		
City Project No.	Zone Map No.	Sheet	
6293.92	K-18-Z	3 OF 11	

WILSON
& COMPANY

BENCH MARKS		AS-BUILT INFORMATION	
A.C.S. BENCHMARK "16-J18" LOCATED FLUSH WITH THE CURB IN THE SOUTH SIDE OF LOMAS BLVD. NE MEDIAN RETURN WEST OF ALVARADO DR. NE, ELEVATION = 5259.30	MLSD 1929	CONTRACTOR	DATE
		INSPECTOR'S	DATE
		FIELD	DATE
		VERIFICATION BY	DATE
		CORRECTED BY	DATE
		RECORDED BY	DATE
		NO.	
SURVEY INFORMATION		MICRO-FILM INFORMATION	
FIELD NOTES	DATE	CONTRACTOR	DATE
BY		INSPECTOR'S	DATE
NO.		FIELD	DATE
		VERIFICATION BY	DATE
		CORRECTED BY	DATE
		RECORDED BY	DATE
		NO.	





KEYED NOTES

- 1 REMOVE EXISTING TREE. GRIND STUMP TO 12" BELOW FINISH GRADE.
- 2 REMOVE CURB AND GUTTER TO NEAREST CONTROL JOINT AS REQUIRED TO CONSTRUCT PROPOSED RAMP. 4" OR REMOVE EXISTING RAMP. SEE SHEET 5 FOR PROPOSED RAMP LOCATIONS.
- 3 REMOVE EXISTING PICNIC TABLE, CONCRETE FOOTINGS AND SLAB.
- 4 REMOVE EXISTING CONCRETE SLAB.
- 5 EXISTING 10'-0" CHAINLINK FENCE TO REMAIN.
- 6 REMOVE EXISTING CONCRETE MOUSTRIP.
- 7 REMOVE TURF AND SOIL SUFFICIENT TO CONSTRUCT 4" THICK CONCRETE SLAB OR WALK AS DIMENSIONED ON SHEET 5.
- 8 REMOVE EXISTING STOP SIGN AND RELOCATE AS SHOWN ON SHEET 5.
- 9 REMOVE EXISTING BENCH.
- 10 EXISTING CONCRETE WALK TO REMAIN
- 11 EXISTING TREE TO REMAIN. SEE GENERAL NOTE #1.
- 12 EXISTING SIGN TO REMAIN.
- 13 REMOVE EXISTING CONCRETE RAMP AND WOOD BOLLARDS.
- 14 EXISTING TENNIS AND BASKETBALL COURTS TO REMAIN.
- 15 EXISTING PLAY AREA TO REMAIN.
- 16 EXISTING IRRIGATION CONTROLLER TO REMAIN.
- 17 EXISTING TRASH RECEPTACLE TO REMAIN.
- 18 EXISTING WATER METER TO REMAIN.
- 19 REMOVE EXISTING WATER VALVE, PLASTIC VALVE BOX AND WATER FOUNTAIN FOUNDATION. CAP AND ABANDON PIPING IN PLACE.

- 20 REMOVE EXISTING VALVE AND METER BOX.
- 21 REMOVE EXISTING CURB AND GUTTER AND ADJACENT 4'-0" SIDEWALK TO NEAREST CONTROL JOINT.
- 22 REMOVE AND RETURN EXISTING WATER METER TO COA PARK MANAGEMENT. REMOVE METER BOX AND FILL VOID CREATED BY REMOVAL WITH CLEAN FILL. COMPACT CLEAN FILL TO 90%.
- 23 REMOVE SOD AND SOIL SUFFICIENT TO INSTALL ROCK OR CRUSHER FINES MULCH.
- 24 REMOVE BARK MULCH SUFFICIENT TO INSTALL CRUSHER FINES MULCH.

GENERAL NOTES

1. EXISTING TREES AND SHRUBS TO REMAIN SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION. THE CONTRACTOR SHALL CONSTRUCT PROTECTIVE FENCING AROUND THE EXISTING TREES AND SHRUBS TO REMAIN. THE BARRIERS SHALL BE CONSTRUCTED OUTSIDE OF EACH PLANT'S DRIPLINE AND SHALL REMAIN IN PLACE THROUGHOUT THE DURATION OF THE PROJECT.
2. REMOVE ALL VALVES, VALVE BOXES, HEADS, AND BACKFLOW PREVENTION DEVICES OF EXISTING IRRIGATION SYSTEM. CAP AND ABANDON EXISTING IRRIGATION PIPING IN PLACE.
2. ALL MATERIAL TO BE DEMOLISHED SHALL BE DISPOSED OF AT A LEGAL DUMPSITE.

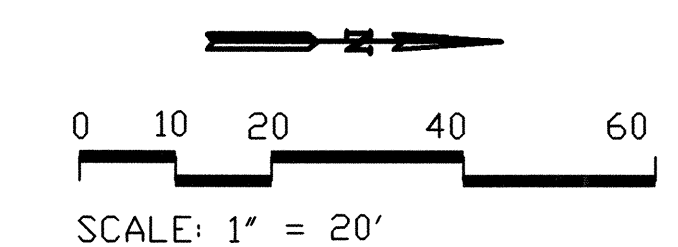
LINE LEGEND

- P - P - EXISTING OVERHEAD POWER LINES TO REMAIN
- - - EXISTING FENCE TO REMAIN
- ⊗ EXISTING LIGHT POLE TO REMAIN

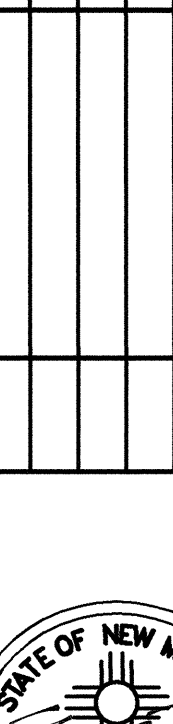
HATCH LEGEND

- [Pattern] REMOVE SOD AND SOIL FOR CONCRETE WALK
- [Pattern] REMOVE SOD AND SOIL FOR CONCRETE SLAB

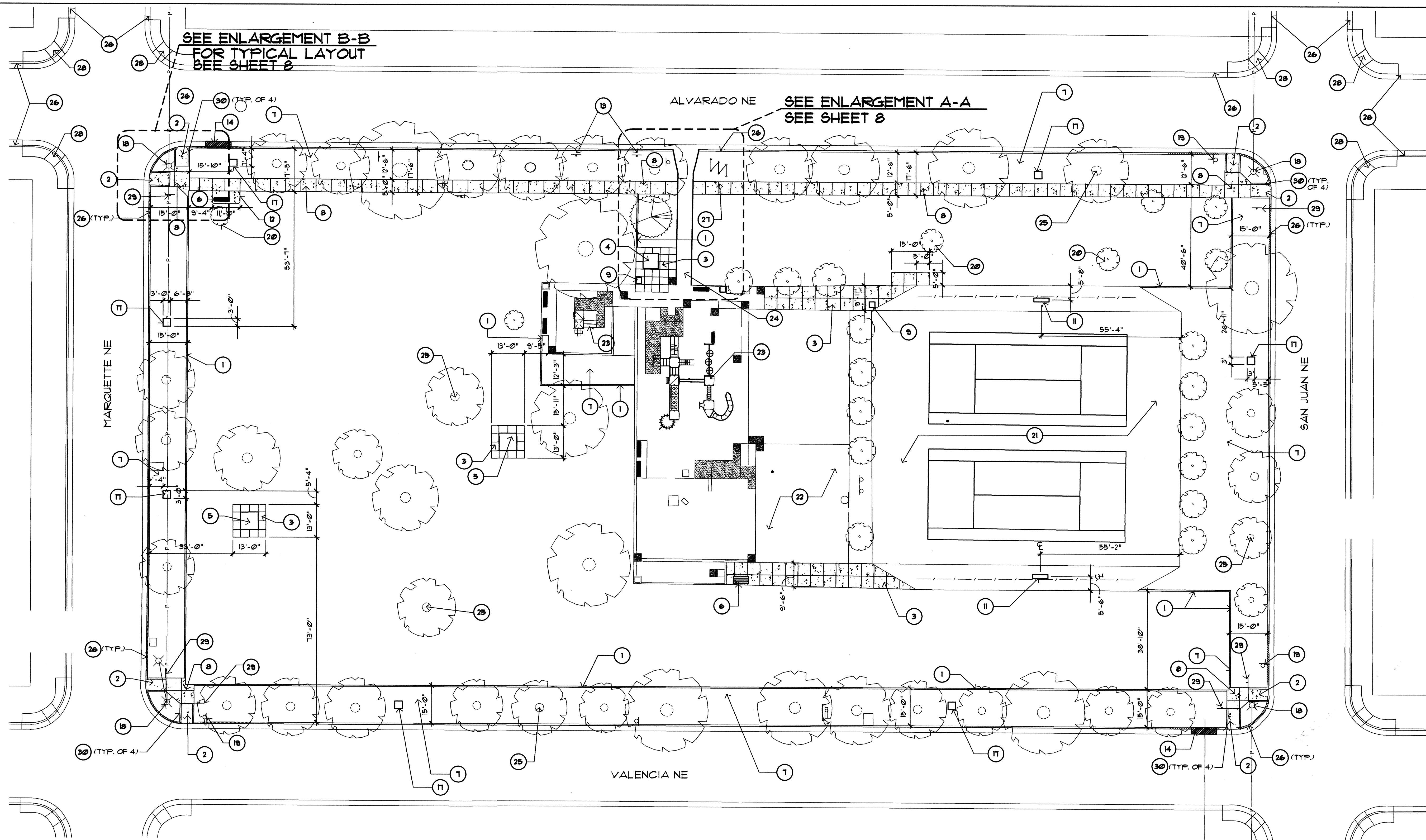
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CITY OF ALBUQUERQUE PARKS AND RECREATION PLANNING AND DESIGN			
TITLE: MARION FOX MEMORIAL PARK RENOVATION DEMOLITION PLAN			
Design Review Committee APPROVED NOV 27 2002 DESIGN REVIEW COMMITTEE	City Engineer Approval APPROVED NOV 27 2002 CITY ENGINEER	Mo./Day/Yr.	Mo./Day/Yr.
City Project No. 6293.92	Zone Map No. K-18-Z	Sheet 4	of 12

LANDSCAPE ARCHITECT SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES		ACS BENCHMARK "16-J18", LOCATED FLUSH WITH THE SOUTH SIDE OF LOMAS BLVD. NE		CONTRACTOR	
		NO.	DATE	MEDIAN RETURN WEST OF ALVARADO DR. NE		WORKING BY	
				ELEV. 5259.30 MSLD 1929		INSPECTOR'S	
						ACCEPTANCE BY	
						FIELD ACTION BY	
						DRAWINGS	
				CORRECTED BY		MICRO-FILM INFORMATION	
						RECORDED BY	
						DATE	
						NO.	

REVISIONS		DESIGN	
NO.	DATE	DESIGNED BY	DATE
	REMARKS	BHM	11/6/02
		DRAWN BY	DATE
		KR	11/6/02
		CHECKED BY	DATE
		ECR	11/6/02



KEYED NOTES

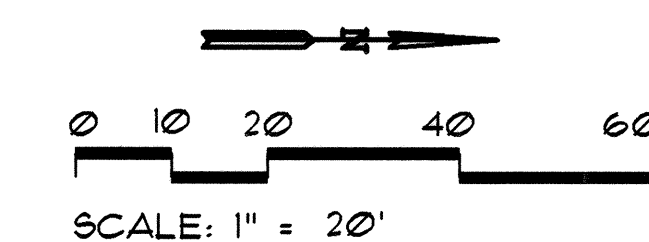
- 1 CONSTRUCT 6" CONCRETE MOUTSTRIP PER COA STD. DWG. 2126.
- 2 CONSTRUCT 4" THICK, 4000 PSI CONCRETE HANDICAP RAMP. SEE ENLARGEMENT B-B, SHEET 8.
- 3 CONSTRUCT DECORATIVE CONCRETE SLAB PER COA STD DWG 2120 (S.M.). CONCRETE SHALL BE INTEGRALLY COLORED WITH BAYFERROX MOCHA CARMEL, 5 LBS. PER SACK, C668 AVAILABLE FROM CONCRETE SYSTEMS, 884-1134. CONTROL JOINTS SHALL BE 1/4" DEPTH, LOCATED AS SHOWN ON PLAN.
- 4 FURNISH AND INSTALL DUMOR RECYCLED PLASTIC PEDESTAL TABLE #16-43PL, 5-1. (EMBEDMENT MOUNT IN CONCRETE FOOTING PER MANUFACTURER'S INSTRUCTIONS). PLASTIC SLATS SHALL BE CEDAR, POWDER FINISH SHALL BE DEEP RED. AVAILABLE FROM EXERPLAY, PH# (505) 281-0151.
- 5 FURNISH AND INSTALL DUMOR RECYCLED PLASTIC PEDESTAL TABLE #16-43PL, 5-1. (EMBEDMENT MOUNT IN CONCRETE FOOTING PER MANUFACTURER'S INSTRUCTIONS). PLASTIC SLATS SHALL BE CEDAR, POWDER FINISH SHALL BE DEEP RED. AVAILABLE FROM EXERPLAY, PH# (505) 281-0151.
- 6 FURNISH AND INSTALL DUMOR RECYCLED PLASTIC BENCH #88, 5-1, WITH EXTRA ARMREST CENTERED IN BENCH (EMBEDMENT MOUNT IN CONCRETE FOOTINGS PER MANUFACTURER'S INSTRUCTIONS). RECYCLED PLASTIC SLATS SHALL BE CEDAR, POWDER COAT SHALL BE DEEP RED. AVAILABLE FROM EXERPLAY, PH# (505) 281-0151.
- 7 FURNISH AND INSTALL 4" DEPTH (95% AFTER COMPACTION) SANTA ANA TAN CRUSHER FINES.
- 8 CONSTRUCT CONCRETE SIDEWALK PER COA STD. DWG 2430.
- 9 FURNISH AND INSTALL TRASH RECEPTACLE MODEL R50-25, 32 GALLON CAPACITY, WITH RIGID LINER, STD. STEEL TOP, BRITISH RACING GREEN WITH IMBED ANCHORS, MANUFACTURED BY MCCLINTOCK METAL. PH# 800-350-3588. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
- 10 NOT USED.
- 11 FURNISH AND INSTALL DUMOR RECYCLED PLASTIC BENCH #88, 5-2. MOUNT WITH TAMPER RESISTANT BOLTS. RECYCLED PLASTIC SLATS SHALL BE CEDAR, POWDER FINISH SHALL BE DEEP RED. BENCH SHALL HAVE AN EXTRA ARMREST CENTERED IN BENCH. AVAILABLE FROM EXERPLAY, PH# (505) 281-0151.

- 12 CONSTRUCT CONCRETE PAD FOR BENCH. REFERENCE DETAIL A/B.
- 13 FURNISH AND INSTALL HANDICAP PARKING SIGN. REFERENCE DETAIL B/B.
- 14 CONSTRUCT CONCRETE CURB AND GUTTER PER COA STD. DWG. 2415, STD. CURB AND GUTTER.
- 15 NOT USED.
- 16 NOT USED.
- 17 CONSTRUCT CONCRETE SLAB PER COA STD DWG 2120 AND FURNISH AND INSTALL TRASH RECEPTACLE MODEL R50-25, 32 GALLON CAPACITY, WITH RIGID LINER, STD. STEEL TOP, BRITISH RACING GREEN WITH IMBED ANCHORS, MANUFACTURED BY MCCLINTOCK METAL. PH# 800-350-3588. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
- 18 EXISTING LIGHT POLE TO REMAIN.
- 19 CONTRACTOR SHALL RELOCATE EXISTING STOP SIGN AS SHOWN, CONTACT ED TOLEDO # 851-8004 PRIOR TO INSTALLATION.
- 20 EXISTING MEMORIAL TREE TO REMAIN.
- 21 EXISTING TENNIS COURT TO REMAIN.
- 22 EXISTING BASKETBALL COURT TO REMAIN.
- 23 EXISTING PLAY EQUIPMENT TO REMAIN.
- 24 EXISTING CONCRETE WALK TO REMAIN.
- 25 EXISTING TREE TO REMAIN, TYP.
- 26 PAINT CURB WITH 2 COATS YELLOW TRAFFIC PAINT 20' FROM EACH SIDE OF HANDICAP ACCESS RAMP AND AT CORNERS.
- 27 INSTALL BIKE RACK. BIKE RACK SHALL BE MADRAX, 3 HOOP GENESIS-IN GROUND MOUNT. PROVIDED BY OWNER. INSTALL IN CONCRETE FOOTINGS PER MANUFACTURER'S INSTRUCTIONS.
- 28 CONSTRUCT WHEELCHAIR CURB ACCESS RAMP, CASE 1, COA STD. DWG. 2441.
- 29 NON-ACCESSIBLE ROUTE SIGN, REF. DTL. C/B. ORIENT FACE OF SIGN TO ONCOMING PEDESTRIAN TRAFFIC.
- 30 HEADER CURB PER COA STD. DWG. 2415 (S.M. MIN. DEPTH OF BURY 18").

CONSTRUCTION NOTES

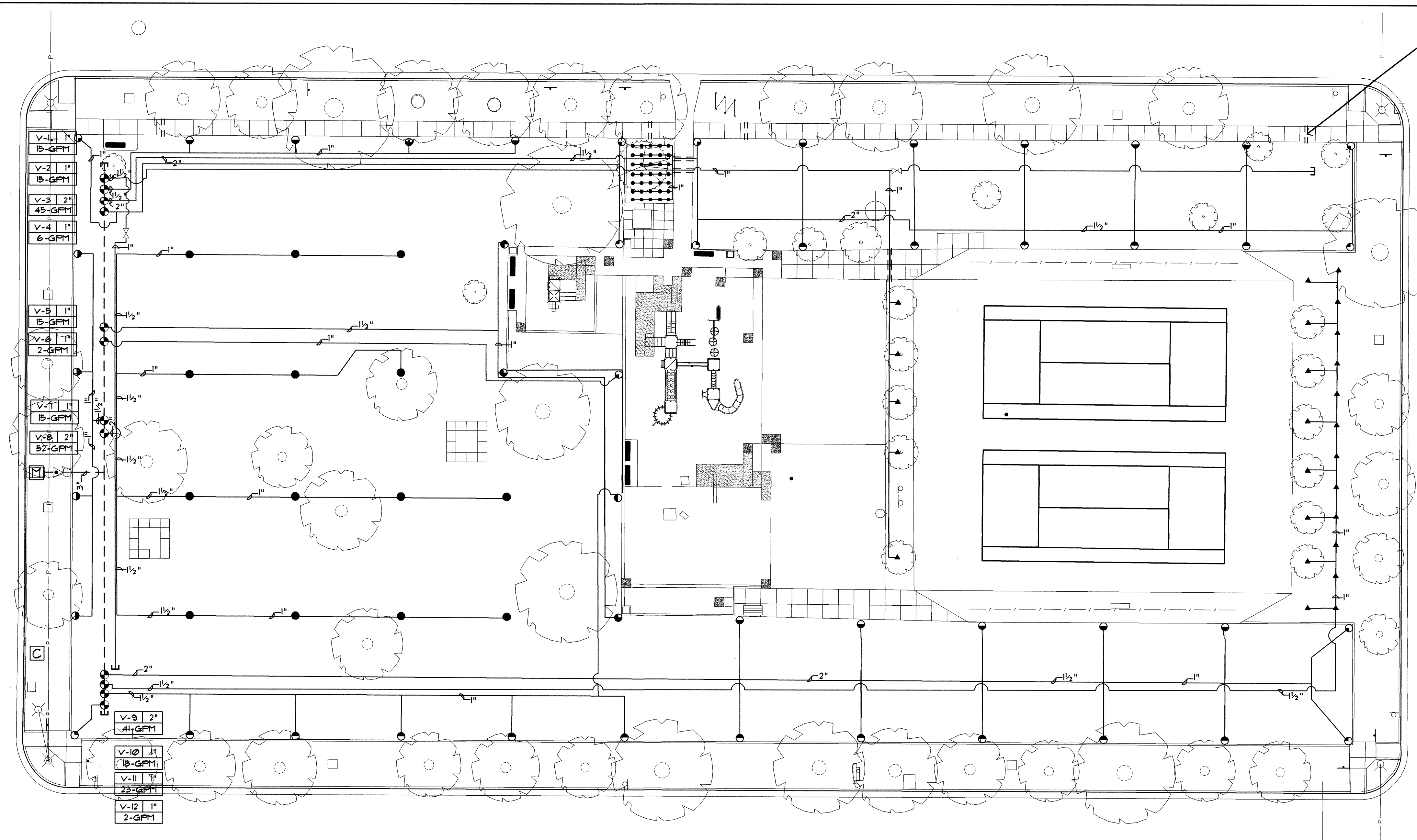
IN LOCATIONS WHERE NEW SIDEWALK OR CONCRETE SLABS ABUT EXISTING CONCRETE WALKS, CURBS, CONCRETE SLABS OR OTHER HARD CONSTRUCTION, THE CONTRACTOR SHALL PLACE A 1/2" EXPANSION JOINT, NEATLY TRIMMED.

FOR INFORMATION ONLY

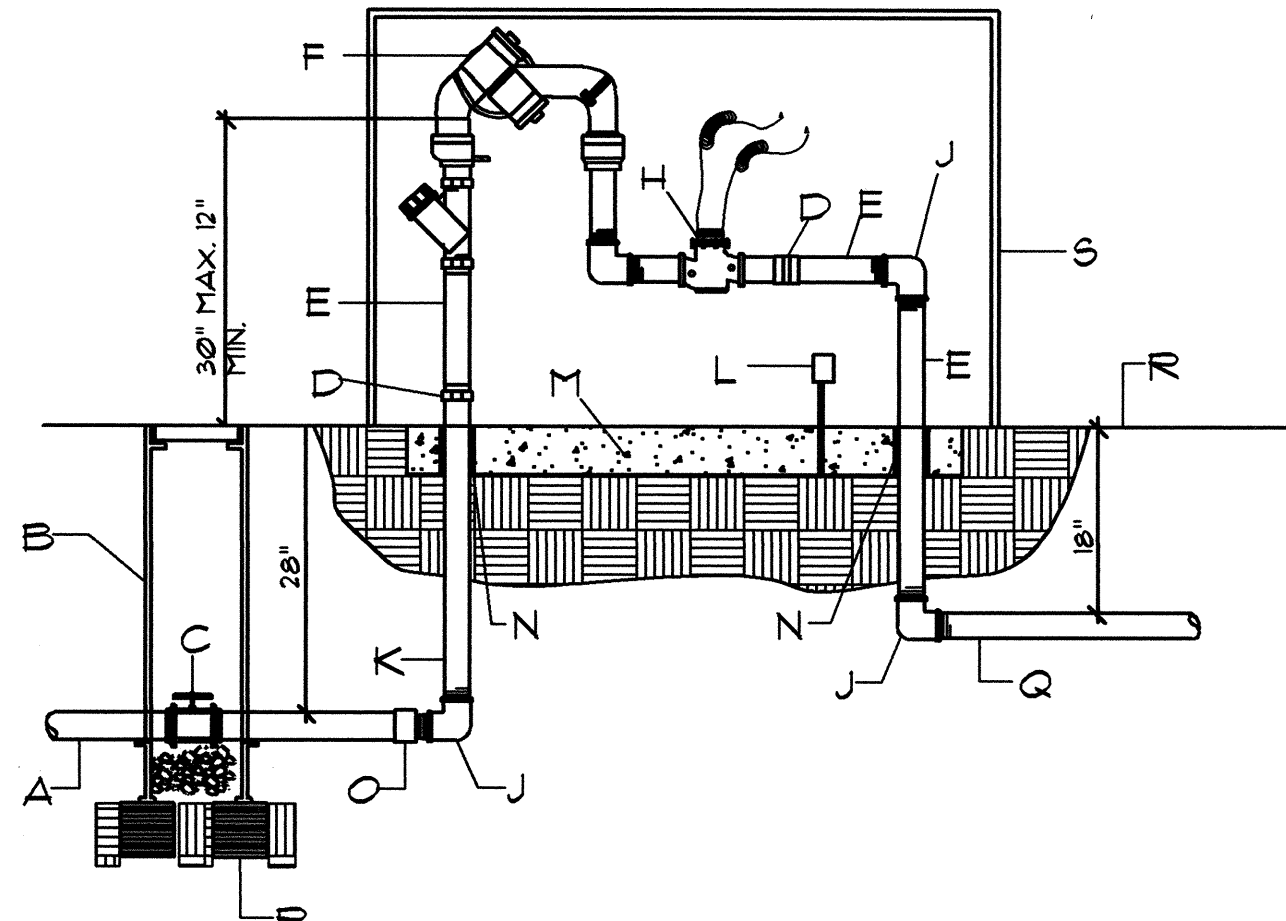


CITY OF ALBUQUERQUE PARKS AND RECREATION PLANNING AND DESIGN			
TITLE: MARION FOX MEMORIAL PARK RENOVATION CONSTRUCTION AND LAYOUT PLAN			
Design Review Committee APPROVED NOV 27 2002	City Engineer Approval APPROVED NOV 27 2002	Mo./Day/Yr.	Mo./Day/Yr.
DESIGN REVIEW COMMITTEE	CITY ENGINEER		
City Project No. 6293.92	Zone Map No. K-18-Z	Sheet 5	of 12

SURVEY INFORMATION		FIELD NOTES		LANDSCAPE ARCHITECT SEAL	
NO.	DATE	NO.	DATE		
BENCH MARKS		BENCH MARKS		REMARKS	
ACS BENCHMARK "16-JTB", LOCATED FLUSH WITH THE SOUTH SIDE OF LOMAS BLVD. NE MEDIAN RETURN WEST OF ALVARADO DR. NE ELEV. 5259.30 MSLD 1929		ACS BENCHMARK "16-JTB", LOCATED FLUSH WITH THE SOUTH SIDE OF LOMAS BLVD. NE MEDIAN RETURN WEST OF ALVARADO DR. NE ELEV. 5259.30 MSLD 1929		REVISIONS	
AS BUILT INFORMATION		AS BUILT INFORMATION		DESIGNED BY BHM	
CONTRACTOR		CONTRACTOR		DRAWN BY KRY/HT	
WORK STACKED BY		WORK STACKED BY		CHECKED BY DCW	
FIELD INSPECTION BY		FIELD INSPECTION BY		DATE 11/6/02	
DRAWINGS BY		DRAWINGS BY		DATE 11/6/02	
CORRECTED BY		CORRECTED BY		DATE 11/6/02	
MICRO-FILM INFORMATION		MICRO-FILM INFORMATION		DATE 11/6/02	
RECORDED BY		RECORDED BY		DATE 11/6/02	
NO.		NO.		DATE 11/6/02	



SLEEVING AT THE SIDEWALK SHALL BE INSTALLED FOR FUTURE TREE PLANTINGS AT THE EDGE OF THE PARK. SLEEVES SHALL BE CAPPED, 4" CLASS 200 PVC. CONTRACTOR SHALL NOT SOLVENT WELD THE PVC CAPS. (QTY. 4)



CONSTRUCTION NOTES

- SERVICE LINE TO WATER METER
- BROOKS PRODUCTS INC. 1130 PB-18 BODY (ABS) VALVE BOX W/ BOLT DOWN COVER (ABS) AND ONE 8" EXTENSION
- TRUE UNION SCHEDULE 80 PVC BALL VALVE
- GALVANIZED UNION (min. 4" above grade)
- GALVANIZED NIPPLE
- FEBCO MODEL 825 YA RPBA BACKFLOW PREVENTER (REFERENCE DRAWINGS)
- ARAD FLOWMETER W/ MASTER VALVE
- GALVANIZED ELL
- K. GALVANIZED RISER
- L. 120V ELECTRICAL OUTLET FOR HEATED PROTECTIVE ENCLOSURE- PLACED AWAY FROM RELIEF VALVE
- M. MIN. 4" THICK 4000 PSI CONCRETE SLAB
- N. PVC SLEEVING & INSULATION (MIN. 1" THICK)
- O. PVC HIF ADAPTER
- P. 6" x 8" x 16" SOLID CPU BLOCK
- Q. NON-CONSTANT PRESSURE IRRIGATION MAINLINE
- R. FINISH GRADE
- S. PROTECTIVE ENCLOSURE SEE CITY STANDARD DWG. 2389 FOR CRITERIA

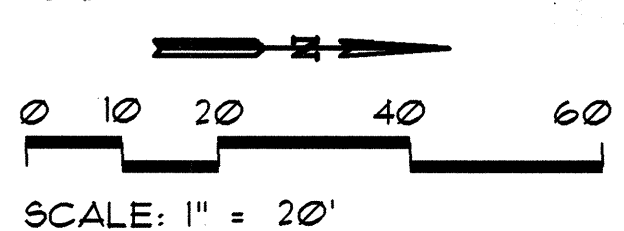
MASTER METER WITH RPBA

HCD-2101-B 8/02 NTS

IRRIGATION NOTES

- THIS SYSTEM WAS DESIGNED AT A MINIMUM STATIC PRESSURE OF 65 PSI AT THE POINT OF CONNECTION. CONTRACTOR SHALL VERIFY ACTUAL PSI AND DELIVER RESULTS TO LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. IN THE EVENT THE ACTUAL PSI IS LESS THAN 65 PSI THE CONTRACTOR SHALL RECEIVE DIRECTION FROM LANDSCAPE ARCHITECT REGARDING DESIGN MODIFICATIONS IF NECESSARY. THE PRESSURE READING SHALL BE PERFORMED IN THE PRESENCE OF THE OWNER'S AUTHORIZED REPRESENTATIVE. RESULTS SHALL BE INCLUDED IN THE CONTRACTOR'S IRRIGATION EQUIPMENT SUBMITTAL INDICATING DATE AND TIME OF PRESSURE READING AND THE NAME OF ATTENDING OWNER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF SLEEVE PIPING WITH ALL TRADES TO INSURE THAT SLEEVES ARE INSTALLED PROPERLY PRIOR TO INSTALLATION OF CURB AND GUTTER, SIDEWALKS, CONCRETE PADS, ETC.
- CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO CONSTRUCT PROPOSED IRRIGATION SYSTEM IN ACCORDANCE WITH PLANS AND CITY OF ALBUQUERQUE (C.O.A.) WRITTEN SPECIFICATIONS AND DETAILS.
- THE CONTRACTOR SHALL PROVIDE 120-VOLT ELECTRICAL TO EXISTING IRRIGATION CONTROLLER AND BACKFLOW PREVENTER ENCLOSURE. ALL WORK AND MATERIALS SHALL MEET LOCAL CODES AND THE NATIONAL ELECTRIC CODE (N.E.C.) (SEE SHEET 9).
- TRENCHING FOR IRRIGATION PIPING WITHIN ROOT ZONES OF EXISTING TREES SHALL COMPLY WITH C.O.A. STD. SPECIFICATION 10015.3.3. EXISTING TREES SHALL BE PROTECTED FROM DAMAGE DURING THE INSTALLATION OF THE IRRIGATION SYSTEM. NO ROOTS OVER 3" CALIBER SHALL BE CUT.

FOR INFORMATION ONLY



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LANDSCAPE ARCHITECTS
210 La Veta NE, Albuquerque, NM 87106
505.268.2266 FAX 505.265.9637
mrw@mrwm.com

WATER MANAGEMENT GUIDE										RUN TIME/DAY TO APPLY 1/2" PRECIPITATION
VALVE ID, SIZE & TYPE	BUBBLER TYPE	MODEL NUMBER	QTY.	GPM/HEAD	GPM/TOTAL	OPER. PRESS.	PRO. AVE.			
V-1 SIZE 1" WEATHERMATIC 11024FCR15	RAIN BIRD 1400 SERIES BUBBLERS	1401	35	25	8.75	40	NA			2 MIN
V-2 SIZE 1" WEATHERMATIC 11024FCR15	HUNTER I-20 SERIES PART CIRCLE	1-20-ADS-4.0	4	3.10	12.40	40	.41			1.06 HR
V-3 SIZE 2" WEATHERMATIC 11024FCR15	HUNTER I-20 SERIES PART CIRCLE	1-20-ADS-2.0	4	1.80	7.20	40	.50			1.06 HR
V-4 SIZE 1" WEATHERMATIC 11024FCR15	HUNTER I-20 SERIES PART CIRCLE	1-20-ADS-4.0	10	3.10	31.00	40	.41			1.06 HR
V-5 SIZE 1" WEATHERMATIC 11024FCR15	HUNTER I-20 SERIES PART CIRCLE	1-20-ADS-2.0	3	1.80	5.40	40	.50			1.06 HR
V-6 SIZE 1" WEATHERMATIC 11024FCR15	HUNTER I-20 SERIES PART CIRCLE	1-20-365-6.0	3	4.30	12.90	40	.44			1.14 HR
V-7 SIZE 1" WEATHERMATIC 11024FCR15	HUNTER I-20 SERIES PART CIRCLE	1-20-ADS-2.0	1	1.80	1.80	40	.50			1.06 HR
V-8 SIZE 2" WEATHERMATIC 11024FCR15	HUNTER I-20 SERIES PART CIRCLE	1-20-ADS-4.0	4	3.10	12.40	40	.41			1.06 HR
V-9 SIZE 1" WEATHERMATIC 11024FCR15	HUNTER I-20 SERIES PART CIRCLE	1-20-365-4.0	14	3.10	51.80	40	.21			1.25 HR
V-10 SIZE 2" WEATHERMATIC 11024FCR15	HUNTER I-20 SERIES PART CIRCLE	1-20-ADS-2.0	2	1.80	3.60	40	.50			1.06 HR
V-11 SIZE 1" WEATHERMATIC 11024FCR15	HUNTER I-20 SERIES PART CIRCLE	1-20-ADS-4.0	10	3.10	31.00	40	.41			1.06 HR
V-12 SIZE 1" WEATHERMATIC 11024FCR15	RAIN BIRD 1400 SERIES BUBBLERS	1404	20	1.00	20.00	40	NA			2 MIN
V-13 SIZE 1" WEATHERMATIC 11024FCR15	HUNTER I-20 SERIES PART CIRCLE	1-20-ADS-4.0	6	3.10	18.60	40	.41			1.06 HR
V-14 SIZE 1" WEATHERMATIC 11024FCR15	HUNTER I-20 SERIES PART CIRCLE	1-20-ADS-2.0	1	1.80	1.80	40	.50			1.06 HR

TOTAL TIME TO APPLY 1/2" PRECIPITATION
1152 HOURS

IRRIGATION RUN-TIME SCHEDULE			
PROGRAM	ZONES	TOTAL GPM	RUN TIME
A	3, 3	84.80 GPM	1.06 HR
B	4, 5, 6, 12	24.00 GPM	1.14 HR
C	2, 7, 11	51.80 GPM	1.06 HR
D	5	14.10 GPM	1.14 HR
E	8	51.80 GPM	1.25 HR
F	1, 10	33.15 GPM	2 MIN.
TOTAL RUN TIME			6.28 HR

DISTRIBUTION UNIFORMITY DATA			
HEAD TYPE	NOZZLE	CU	DU
HUNTER I-20	2.0	90%	83%
HUNTER I-20	4.0	81%	80%
HUNTER I-20	6.0	93%	89%

INFORMATION OBTAINED FROM HUNTER IRRIGATION, BASED ON AN AVERAGE OF 30" SQUARE SPACING.

IRRIGATION LEGEND			
==	MAIN LINE AND LATERAL SLEEVE PIPING, CLASS 200, SDR-21, BELL-END, SOLVENT WELD PVC, SEE NOTE NO. 2.		
[M]	EXISTING DEDICATED IRRIGATION WATER METER TO REMAIN, SIZE 2".		
---	IRRIGATION MAIN LINE, SCH. 40, BELL-END, SOLVENT WELD PVC, SIZE 3". DEPTH OF BURY 28" FOR CONTINUOUS PRESSURE IRRIGATION MAIN AND 18" FOR NON-CONTINUOUS.		
	LATERAL PIPING, SCH. 40, BELL END, SOLVENT WELD PVC. SIZE AS SHOWN ON PLAN. DEPTH OF BURY, 18". SIZES NOT SHOWN ON PLAN SHALL BE 1/2".		
[B]	REDUCED PRESSURE BACKFLOW ASSEMBLY, FEBCO 825 YA, WITH BALL VALVES AND ARAD FLOWMETER IN HOT BOX MODEL NO. 2 HEATED AND INSULATED BACKFLOW ENCLOSURE, SIZE 2". SEE A1/6.		
[X]	ISOLATION VALVE, SPEARS SCH. 80 PVC BALL VALVE WITH UNIONS, SIZE 2" REFERENCE COA STD. DWG. 2106.		
[R]	REMOTE CONTROL VALVE ASSEMBLY, WEATHERMATIC 11024-FCR PLASTIC BODY 24-VOLT AUTOMATIC VALVE, SIZE AS SHOWN ON PLAN. SEE DRAWING NO. 2103.		
[S]	SOLVENT WELD CAP, SCH. 40 PVC, LINE SIZE.		
[T]	ROTARY POP-UP SPRINKLER ASSEMBLIES, HUNTER I-20 SERIES, 4" POP-UP WITH STAINLESS STEEL RISER AND INTERNAL CHECK VALVE AS FOLLOWS: SEE DRAWING NO. 2109.		
	MODEL NO. RADIUS GPM PSI PR		
	1-20-ADS-2.0 36" 1.80 40 .62		
	1-20-ADS-4.0 40" 3.10 40 .44		
	1-20-ADS-6.0 40" 4.30 40 .51		
	1-20-365-4.0 40" 3.10 40 .22		
	PRESSURE COMPENSATING BUBBLER ASSEMBLIES, RAIN BIRD 1400 SERIES, AS FOLLOWS: SEE DRAWING NO. 2110.		
	MODEL NO. GPM PSI		
	1401 25 30		
	1404 1.00 30		
[C]	EXISTING IRRIGATION CONTROLLER TO REMAIN, CONNECT IRRIGATION VALVES, FLOW METER AND MASTER VALVE TO EXISTING IRRIGATION CONTROLLER.		

CITY OF ALBUQUERQUE PARKS AND RECREATION DEPARTMENT PLANNING AND DESIGN			
TITLE: MARION FOX MEMORIAL PARK RENOVATION IRRIGATION PLAN			
Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
APPROVE NOV 27 2002 DESIGN REVIEW COMMITTEE	APPROVE NOV 27 2002 CITY ENGINEER		
City Project No. 6293.92	Zone Map No. K-18-Z	Sheet 6	of 12



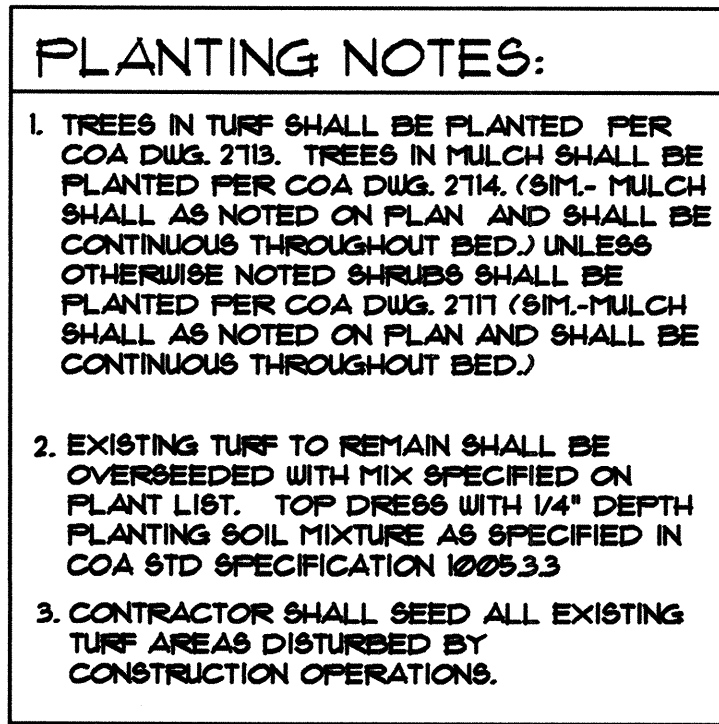
REVISIONS		DATE	
NO.	DATE	REVISIONS	DATE
		DESIGN	11/6/02
		ARU	11/6/02
		ECR	11/6/02

AS BUILT INFORMATION	
CONTRACTOR	
WORK ORDER BY	
INSPECTED BY	
APPROVED BY	
DATE	

BENCH MARKS	
ACS BENCHMARK "16-J18", LOCATED FLUSH WITH THE SOUTH SIDE OF LOMAS BLVD. NE	
MEDIAN RETURN WEST OF ALVARADO DR. NE	
ELEV. 5259.30 MSLD 1929	

SURVEY INFORMATION	
FIELD NOTES	DATE
NO.	

LANDSCAPE ARCHITECT	
NO.	

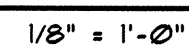


FOR INFORMATION ONLY

0 10 20 40 60

SCALE: 1" = 20'

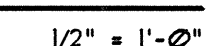
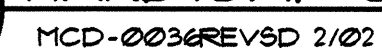
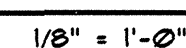
CITY OF ALBUQUERQUE PARKS AND RECREATION PLANNING AND DESIGN			
TITLE: MARION FOX MEMORIAL PARK RENOVATION PLANTING PLAN			
Design Review Committee APPROVED NOV 27 2002 DESIGN REVIEW COMMITTEE	City Engineer Approval APPROVED NOV 27 2002 CITY ENGINEER	Mo./Day/Yr. Mo./Day/Yr. Mo./Day/Yr. Mo./Day/Yr. Mo./Day/Yr. Mo./Day/Yr.	Mo./Day/Yr. Mo./Day/Yr. Mo./Day/Yr. Mo./Day/Yr. Mo./Day/Yr.
City Project No. 6293.92	Zone Map No. K-18-Z	Sheet 7	Of 12



1/8" = 1'-0"



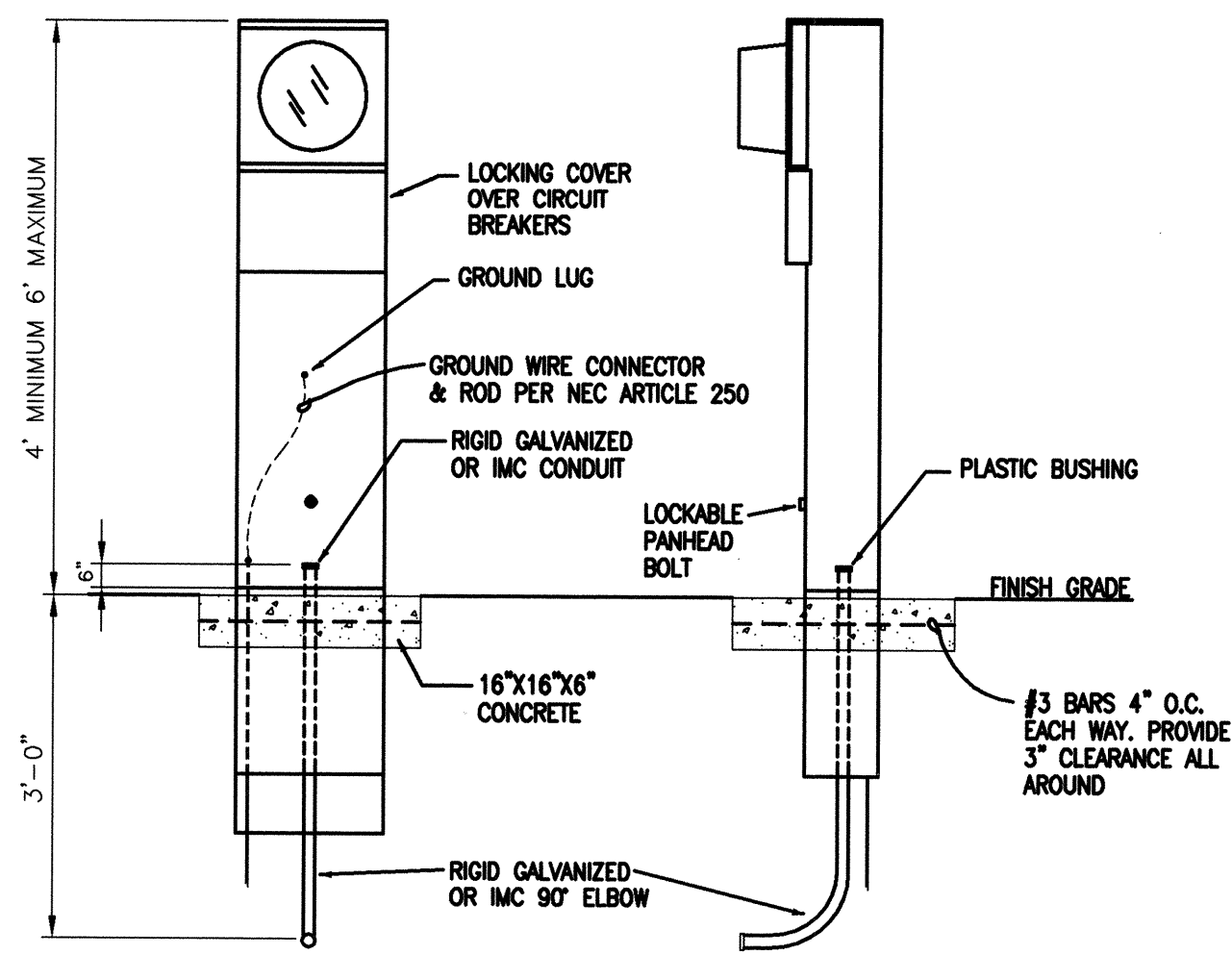
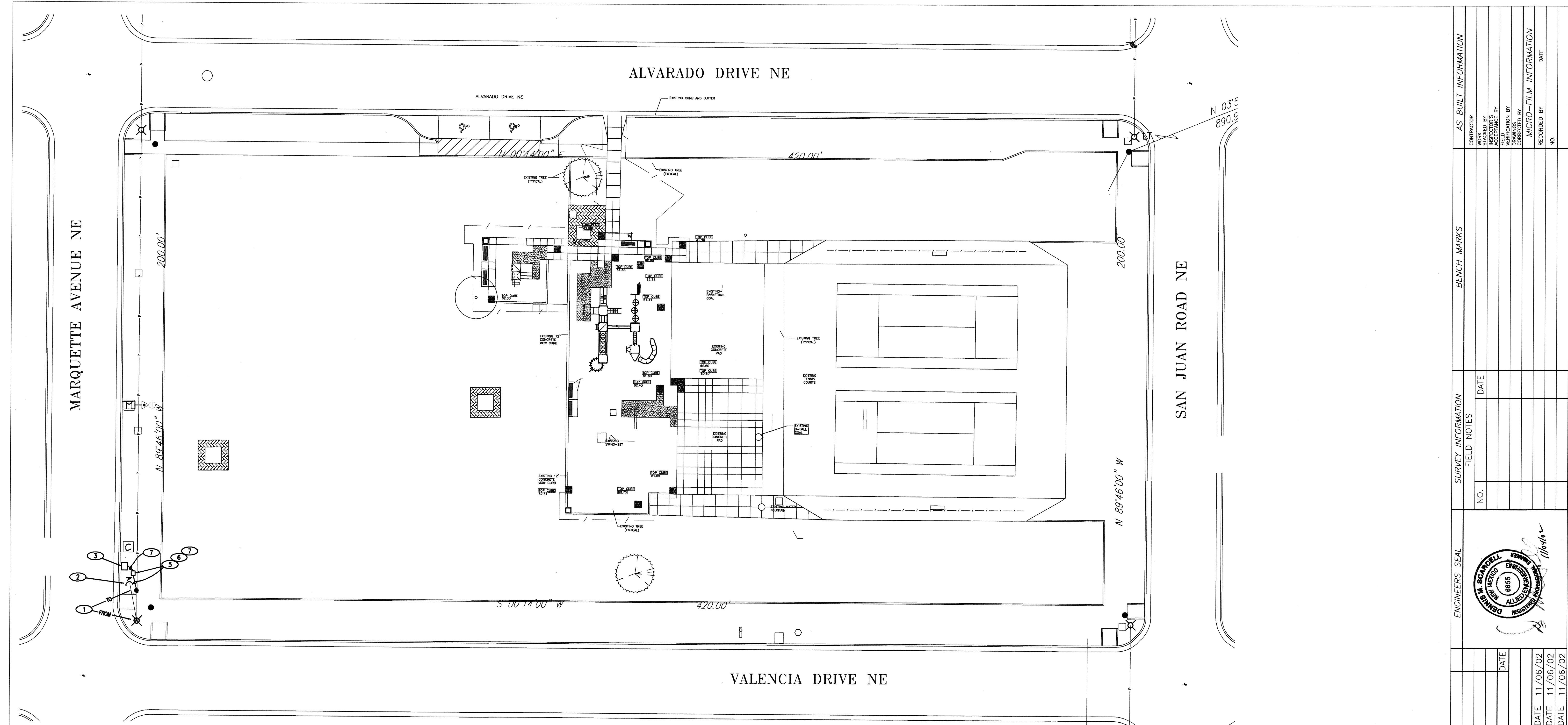
NTS



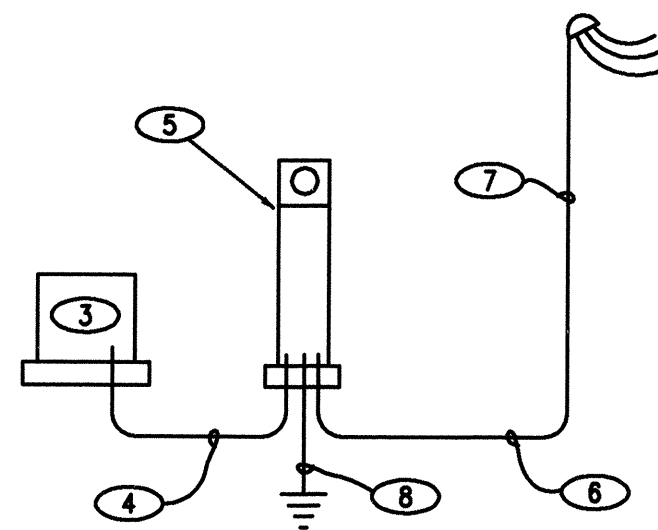
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210 La Veta NE, Albuquerque, NM 87108
505.268.2266 FAX 505.268.9637

mrw@mrwnm.com



METERING PEDESTAL DETAIL
NOT TO SCALE



POWER RISER DIAGRAM
SERVICE: 120/240V, 1Ø, 3W

KEYED NOTES:

- EXISTING WOOD POLE AND STREET LIGHT TO BE RELOCATED BY PNM ELECTRIC SERVICES.
- DISCONNECT AND REMOVE EXISTING METER, SWITCH AND RISER. REMOVE POLE.
- EXISTING IRRIGATION CONTROLLER TO REMAIN. DISCONNECT FROM EXISTING METER AND RE-CONNECT TO NEW METER PEDESTAL. REFER TO POWER RISER DIAGRAM.
- 3-#2 THWN CU. AND 1-#8 GROUND IN 2" PVC CONDUIT, MINIMUM BURY 36".
- INSTALL 120/240V, 1Ø METERING PEDESTAL WITH 100A-2P MAIN BREAKER AND A MINIMUM OF 4 SPARE 20A-1P BREAKERS PER PNM STANDARD DRAWING #DS-4-10.0.
- INSTALL 2" SCHEDULE 80 PVC CONDUIT WITH 3-#2 THWN CU.
- INSTALL 2" RIGID CONDUIT RISER WITH 3-#2 THWN CU. PER PNM STANDARD DRAWING REQUIREMENTS.
- GROUND CONNECTION, REFER TO DETAIL THIS SHEET.

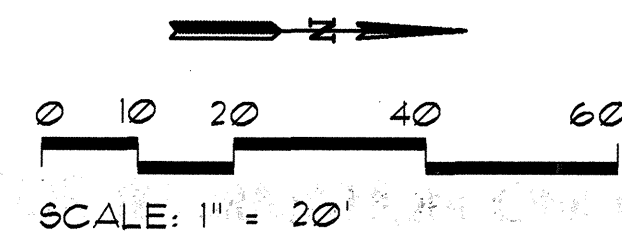
CONTRACTOR UTILITY NOTE

THESE DRAWINGS REFLECT INFORMATION ON UTILITIES GATHERED BY SITE INSPECTION, DISCUSSIONS WITH MUNICIPAL OFFICIALS AND PREVIOUS CONSTRUCTION DRAWINGS. IT IS POSSIBLE THAT THE EXACT LOCATION OF LINES IN THE IMMEDIATE VICINITY OF THE PROPOSED BUILDING(S) MAY BE SLIGHTLY DIFFERENT FROM THE LOCATION SHOWN ON THIS DRAWING. IF ADDITIONAL LINES ARE ENCOUNTERED, THEY SHALL BE EXPOSED BY THIS CONTRACTOR. WHERE ADDITIONAL LINES AND/OR DIFFERING LOCATIONS ARE ENCOUNTERED THIS CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER AS TO ANY NECESSARY CHANGE OF MATERIALS, REROUTING, ABANDONING OR RELOCATION OF SUCH LINES. ALL LINES ENCOUNTERED THAT INTERFERE WITH CONSTRUCTION SHALL BE RELOCATED (IF ACTIVE) AND SHALL BE REMOVED (IF INACTIVE) BY THIS CONTRACTOR UNDER THIS CONTRACT. ALL BIDDERS ARE CAUTIONED TO INVESTIGATE SITE CONDITIONS BEFORE SUBMITTING THEIR BIDS. CONTRACTOR TO CUT AND PATCH TO MATCH EXISTING PAVEMENT FOR ANY NEW ELECTRICAL CONSTRUCTION WHERE APPLICABLE. IF CONTRACTOR FAILS TO LOCATE AN EXISTING UTILITY AND DAMAGES THE UTILITY DURING CONSTRUCTION, ALL COSTS TO REPAIR OR REPLACE THE DAMAGED UTILITY WILL BE BORN BY THIS CONTRACTOR WITHOUT ANY COST TO THE OWNER.

GENERAL NOTES:

- ALL ELECTRICAL TO MEET NATIONAL, STATE AND LOCAL CODES.
- ALL NEW ELECTRICAL EQUIPMENT TO BE U.L. LISTED FOR INTENDED USE.

FOR INFORMATION ONLY



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ALBUQUERQUE, NEW MEXICO 87110
DENNIS M. SCARCELL, P.E.
ENGINEERING (505)262-1766

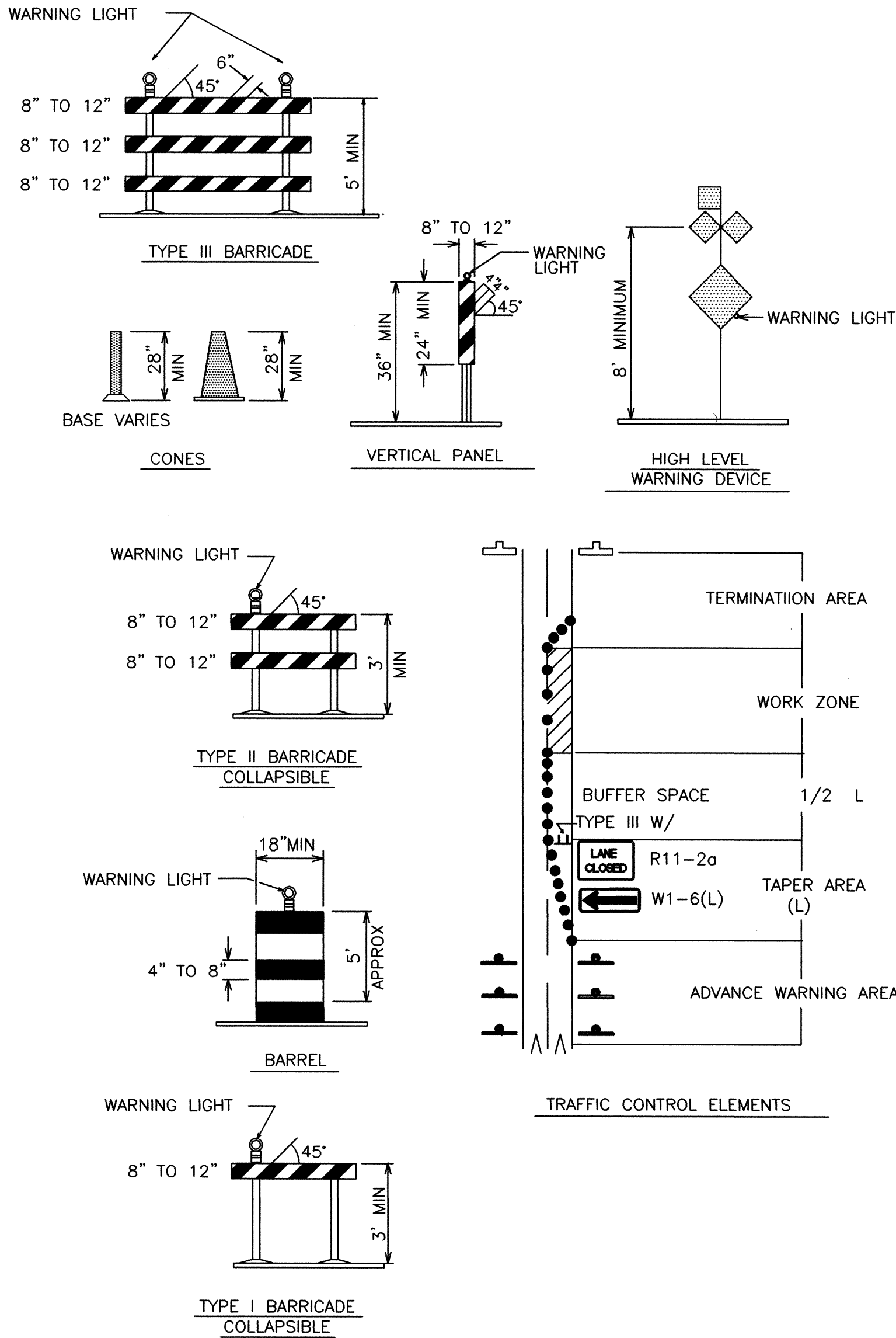
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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
TITLE: MARION FOX MEMORIAL PARK RENOVATION ELECTRICAL PLAN	
Design Review Committee APPROVE NOV 27 2002 DESIGN REVIEW COMMITTEE	City Engineer Approval APPROVE NOV 27 2002 CITY ENGINEER
City Project No. 629392	Zone Map No. K-18-Z
Sheet 9	Of 12

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	DATE	NO.	DATE	CONTRACTOR	DATE
				STICKED BY	
				INSPECTOR'S	
				FIELD VERIFICATION BY	
				CORRECTED BY	
				MICRO-FILM INFORMATION	
				RECORDED BY	
				NO.	

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.



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	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

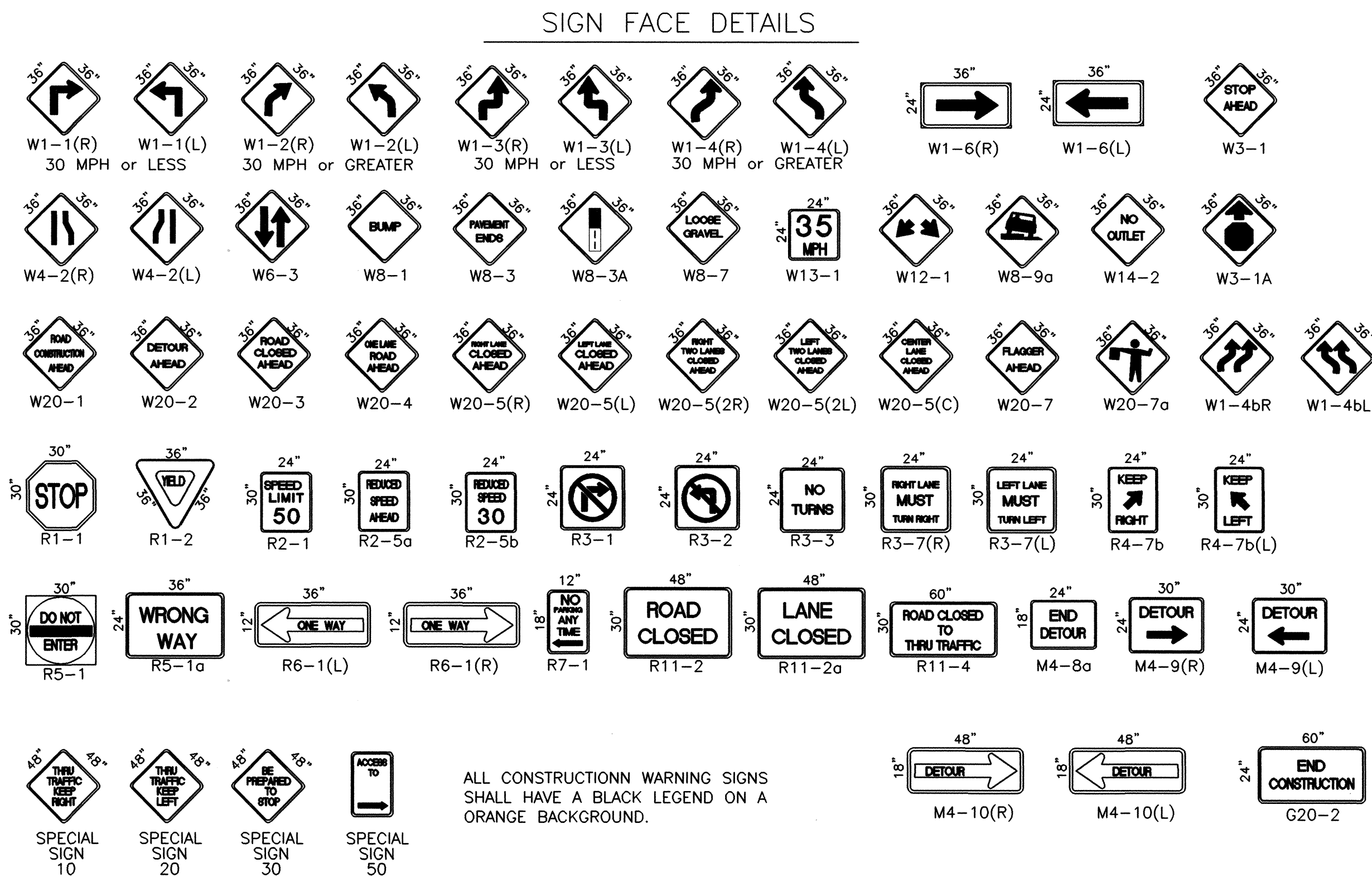
TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSIDE TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

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

FOR INFORMATION ONLY

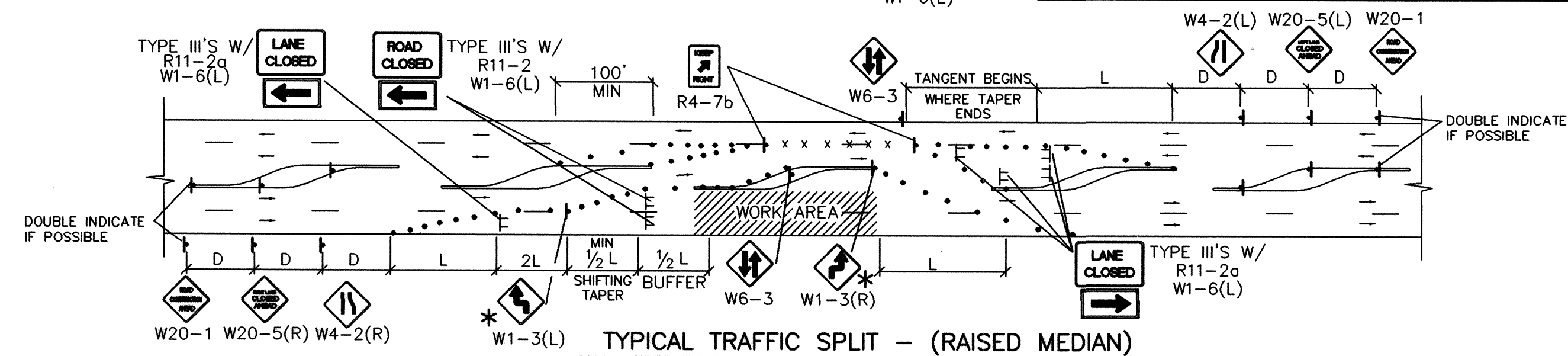
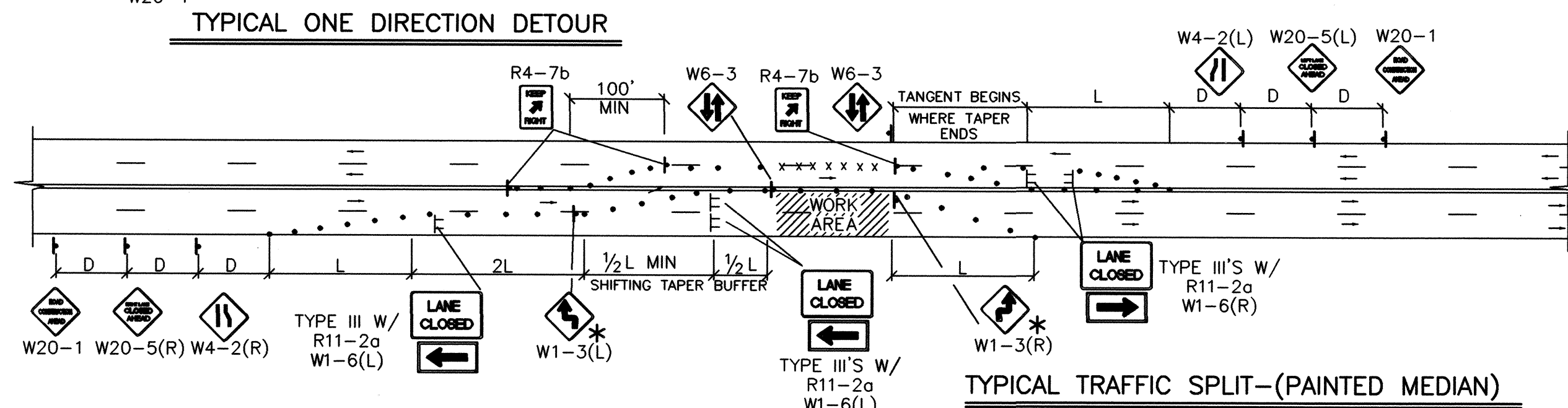
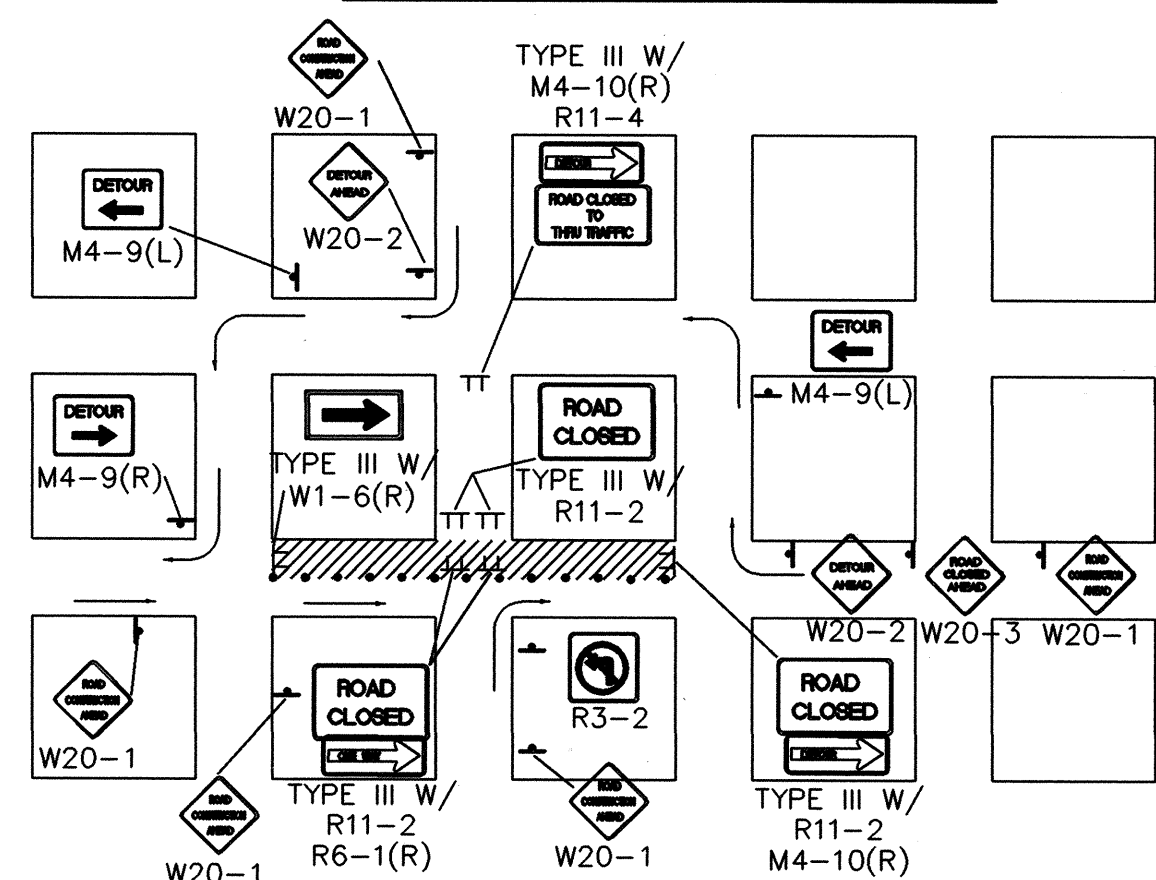
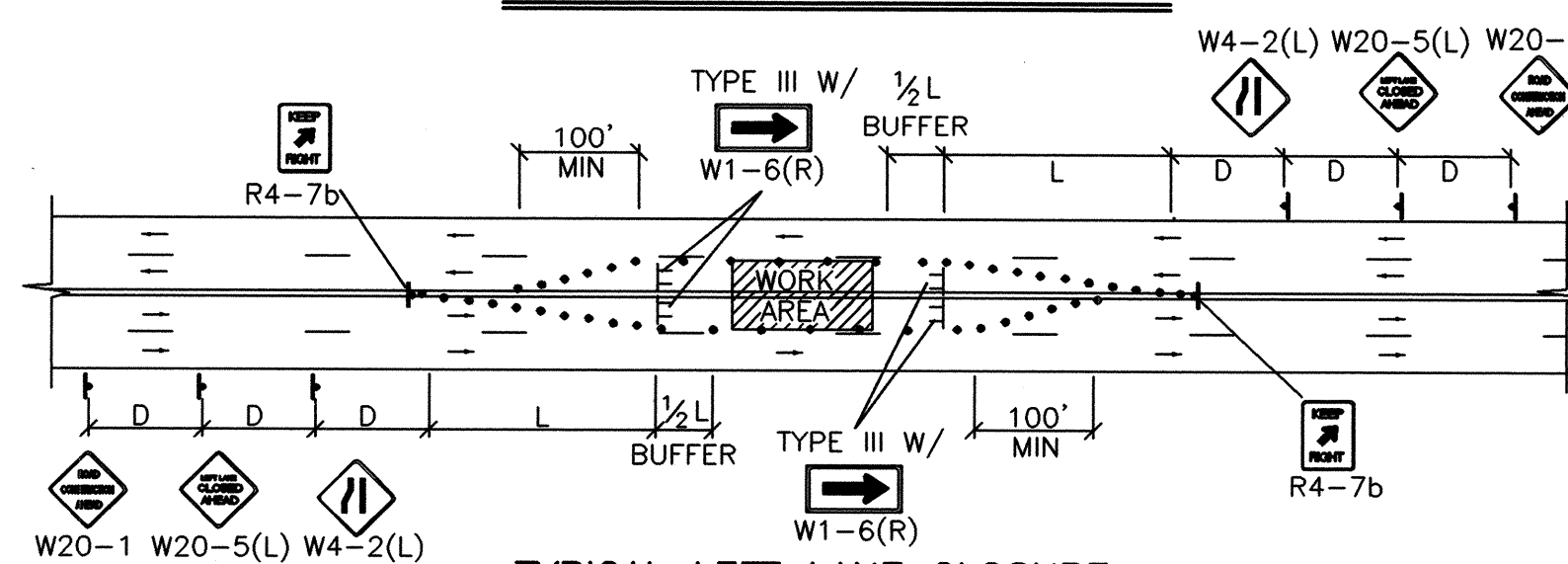
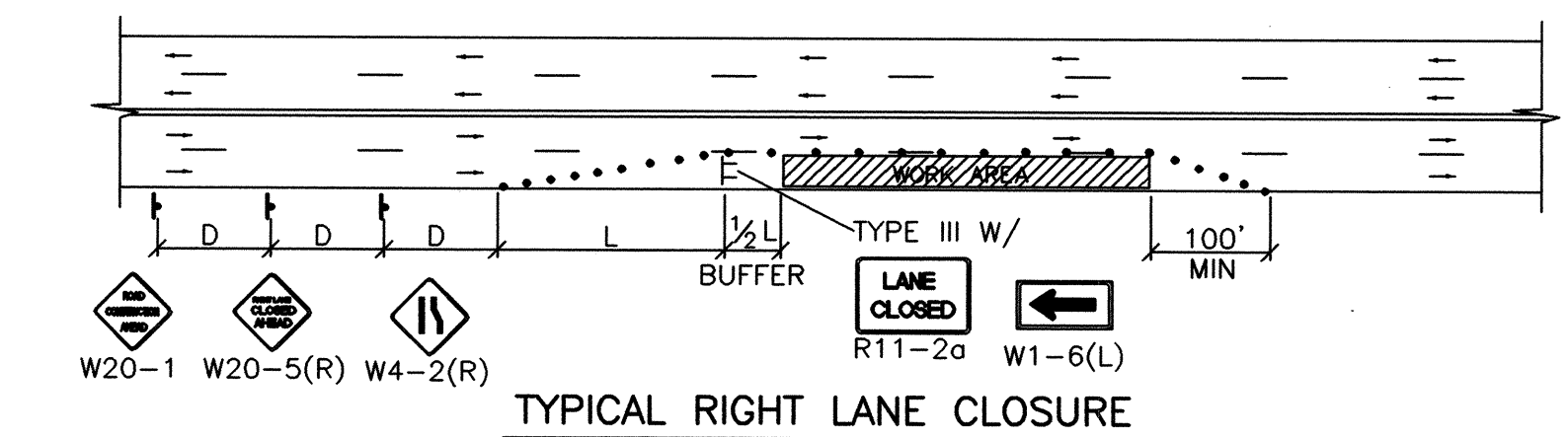


ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE			FIELD NOTES	DATE		
WORK BY	DATE			NO.	BY		
DESIGNED BY	DATE						
DRAWN BY	DATE						
CHECKED BY	DATE						
RECORDED BY	DATE						
NO.							

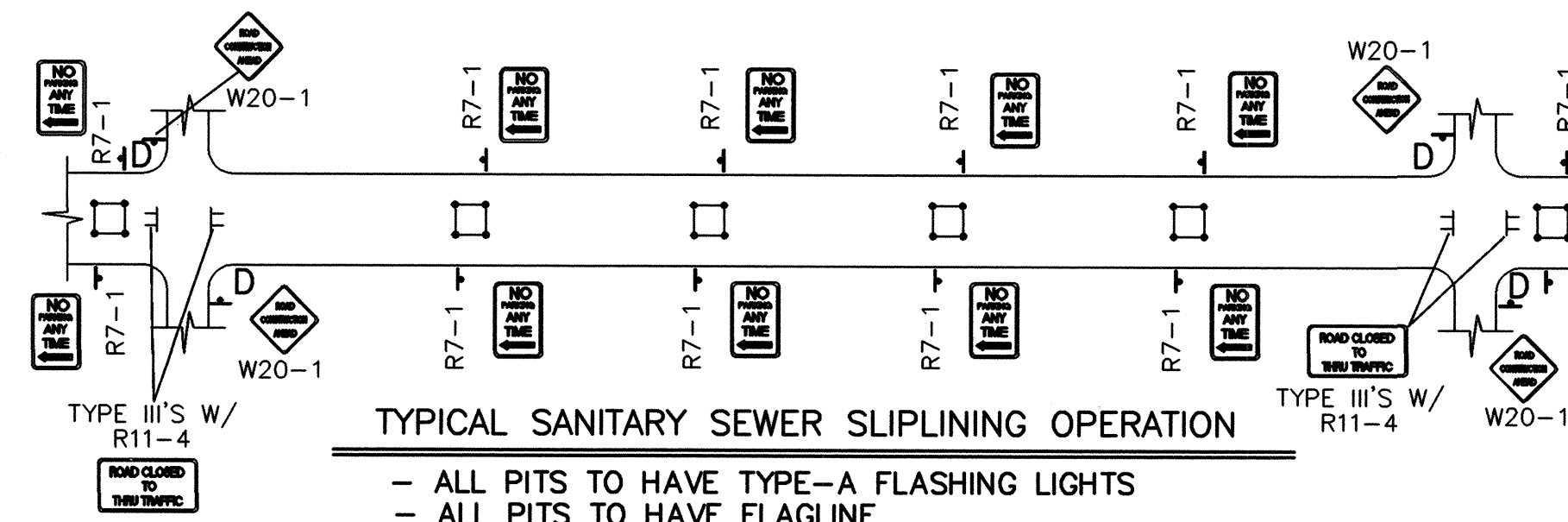
C.O.A. STD.

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: MARION FOX MEMORIAL PARK RENOVATION SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS			
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.
CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
6293.92	K-18	10	12



- TRAFFIC SPLIT NOTES:**

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

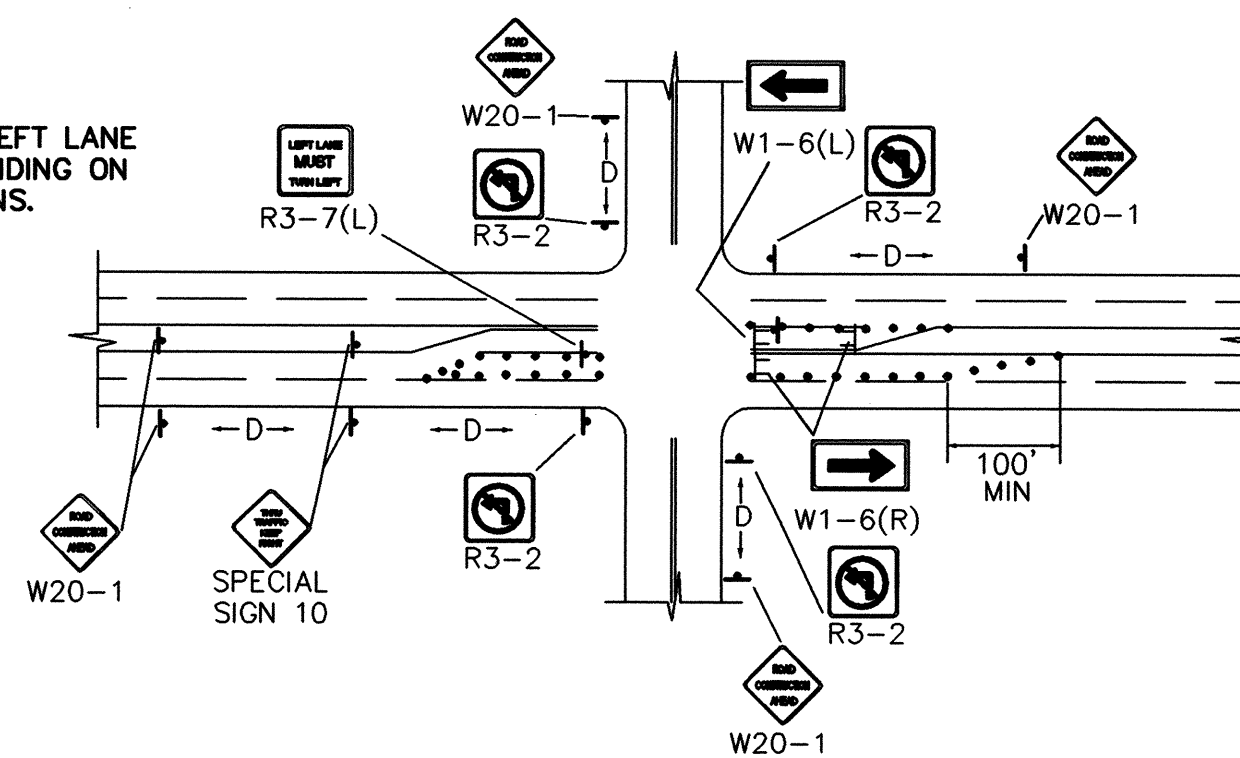


GENERAL NOTE:

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

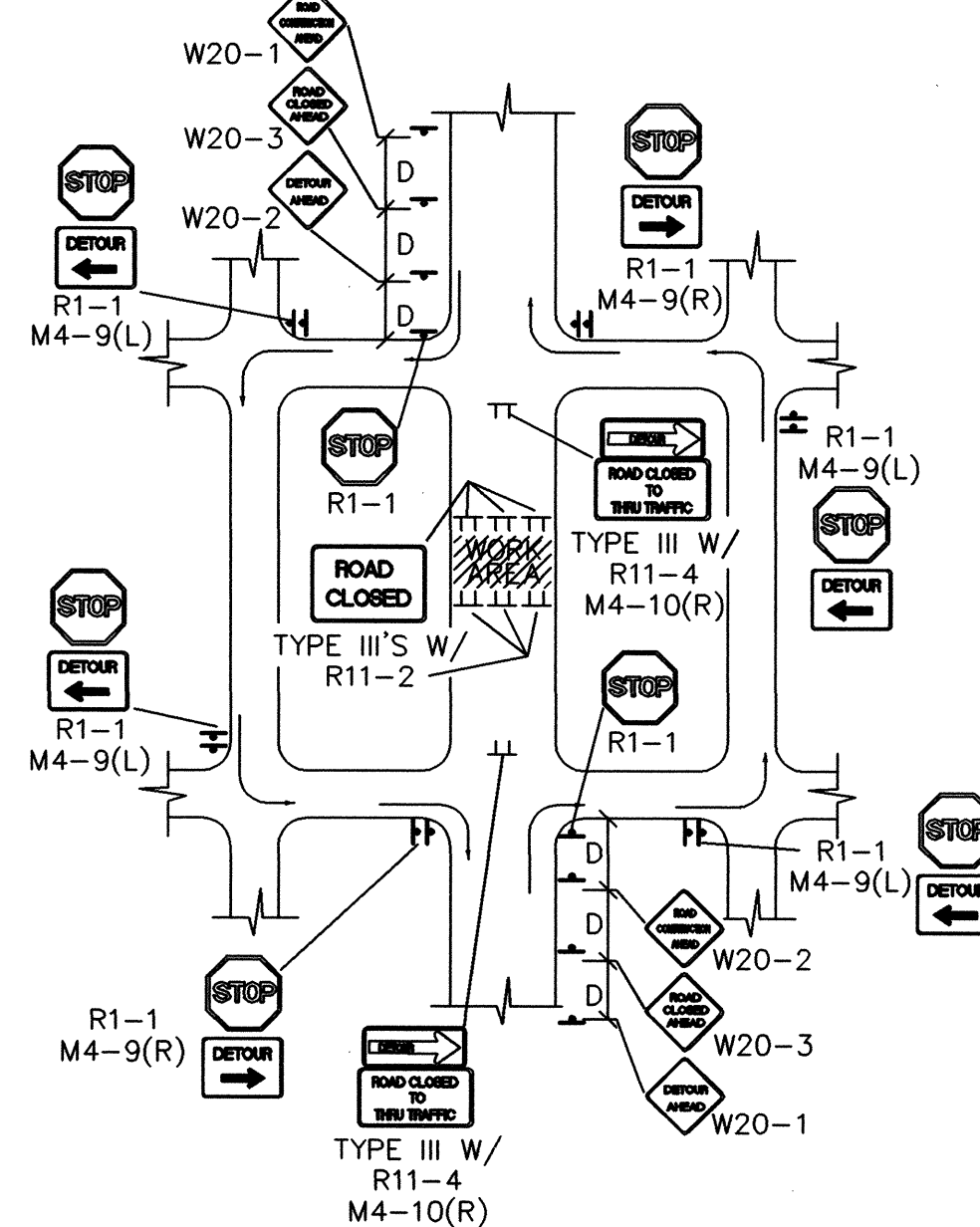
ALL ADVANCE WARNING SIGNS SHALL BE A MINIMUM OF 36" THIRTY SIX INCHES BY 36" THIRTY SIX INCHES IN SIZE AND SHALL HAVE ONE WARNING LIGHT.

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



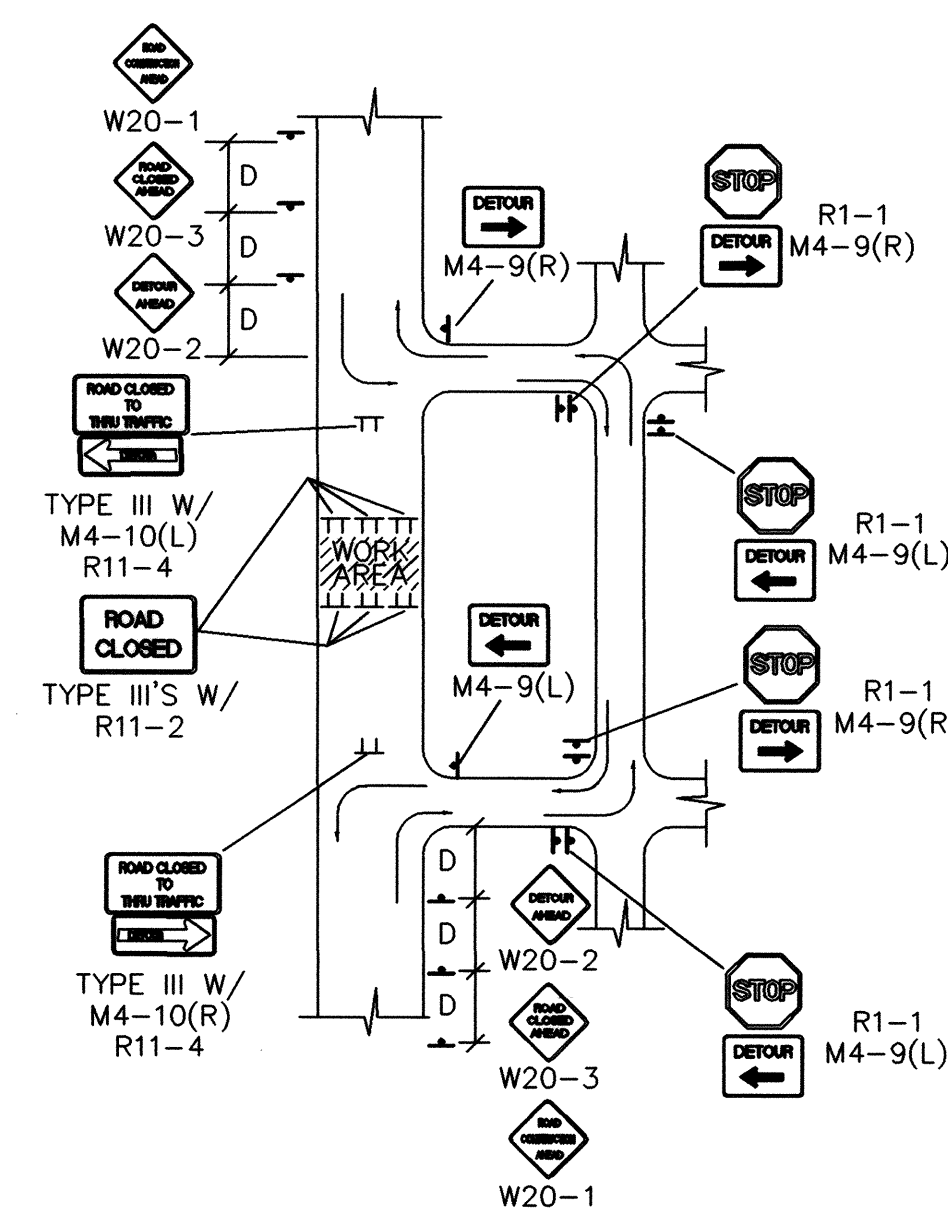
TYPICAL LANE CLOSURE AT INTERSECTION

NOTE: DEPENDING ON WORK ZONE LOCATION.



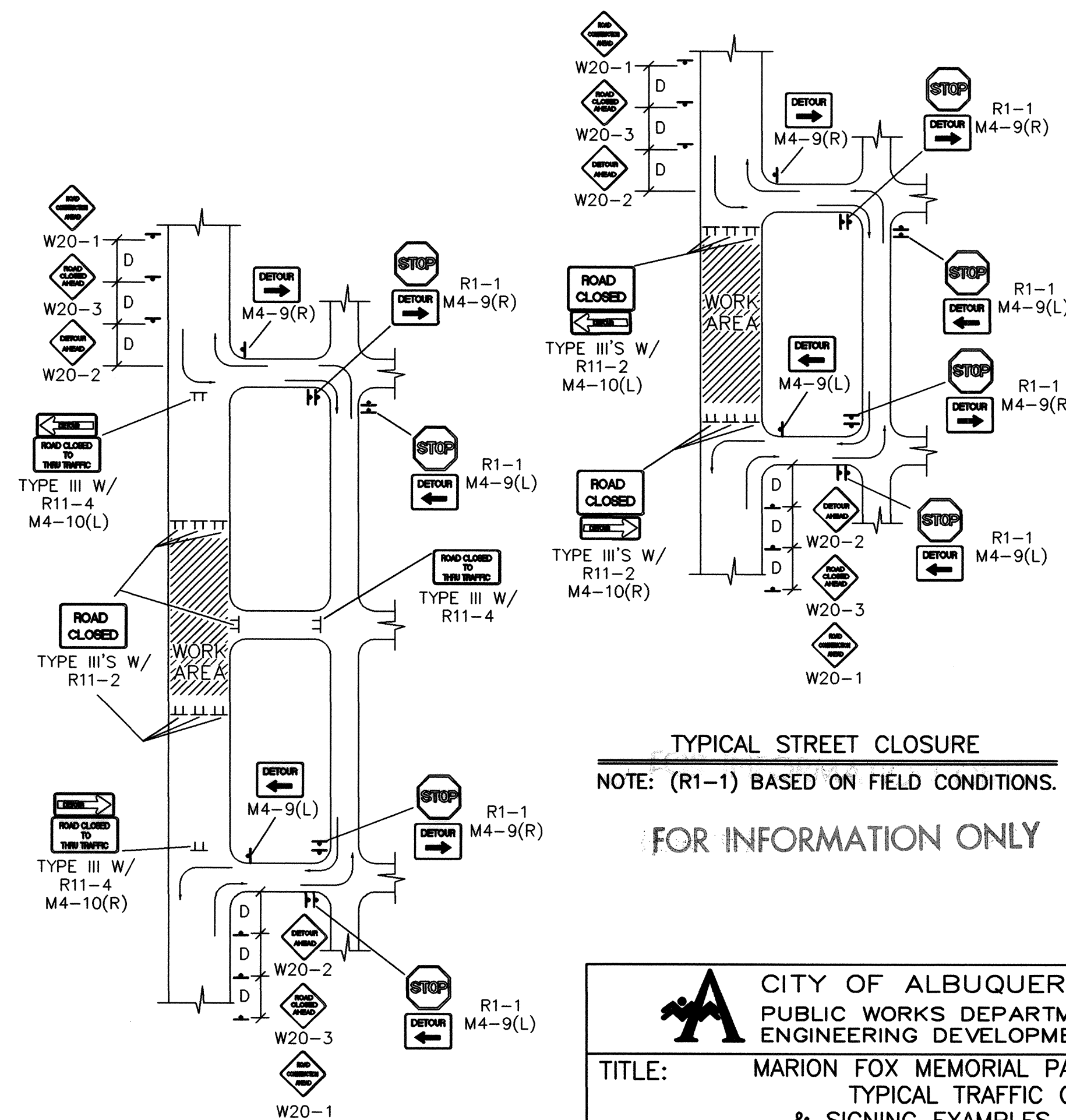
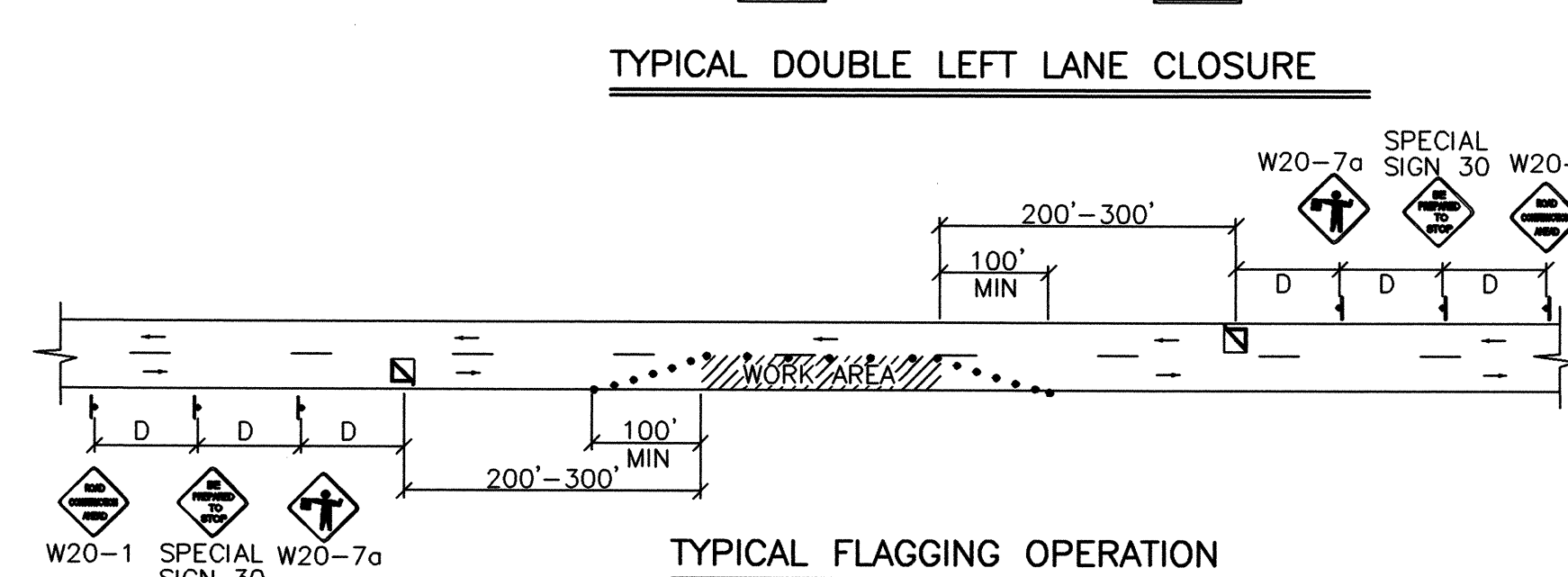
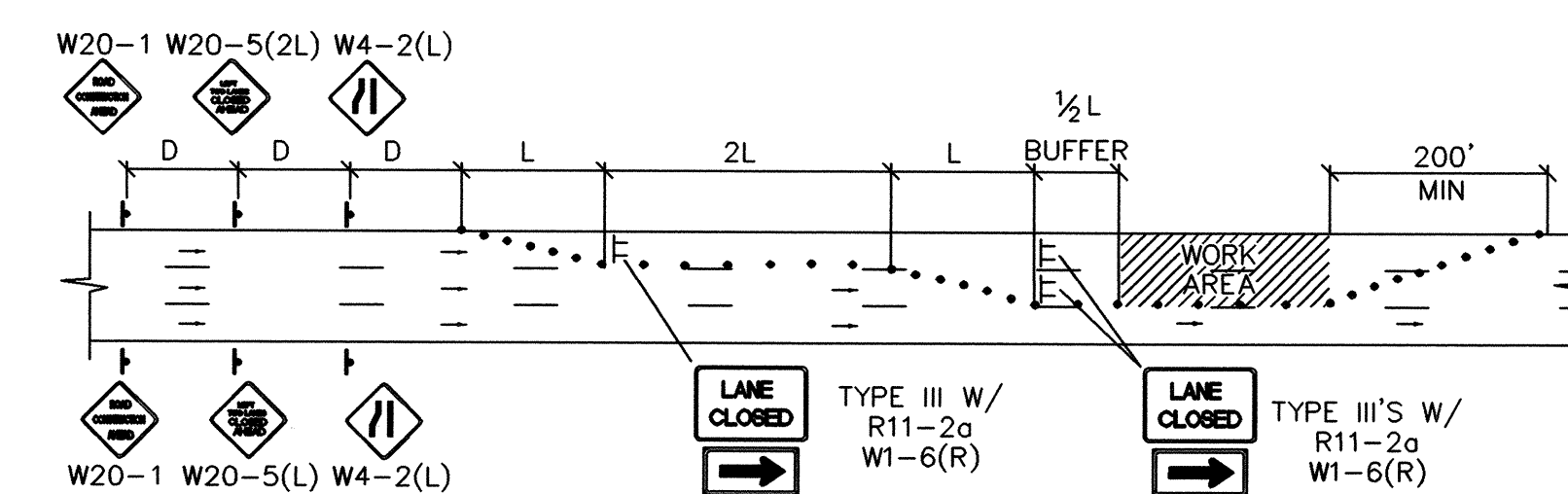
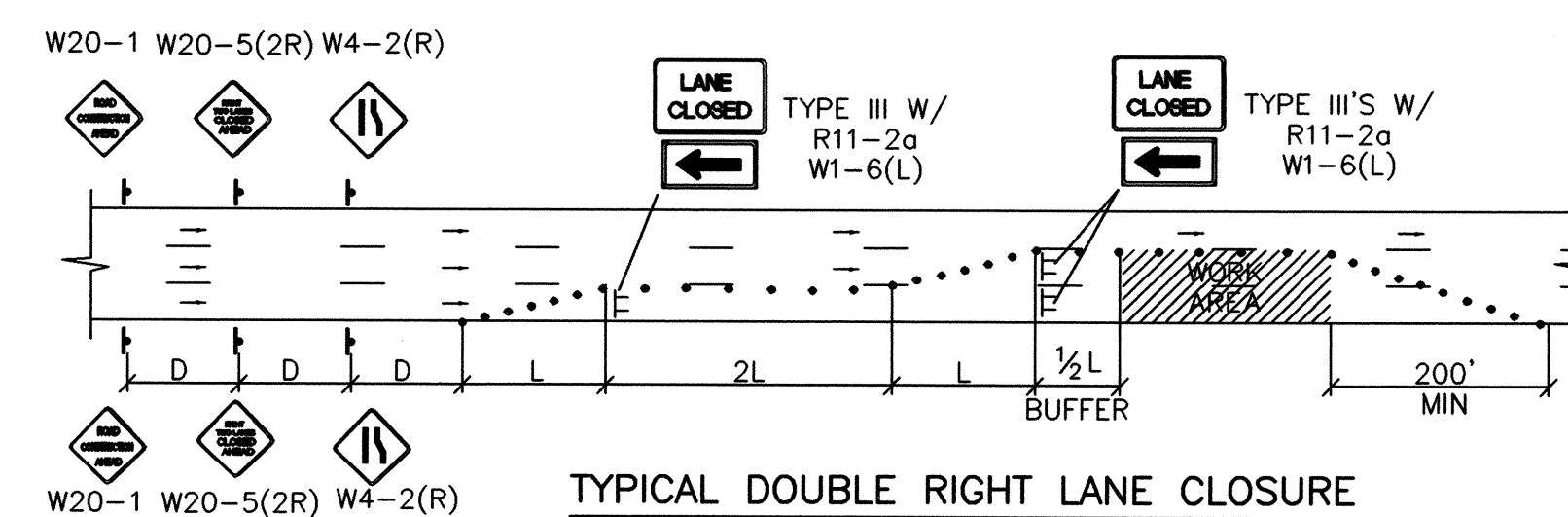
TYPICAL MID-BLOCK CLOSURE

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



TYPICAL STREET CLOSURE

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

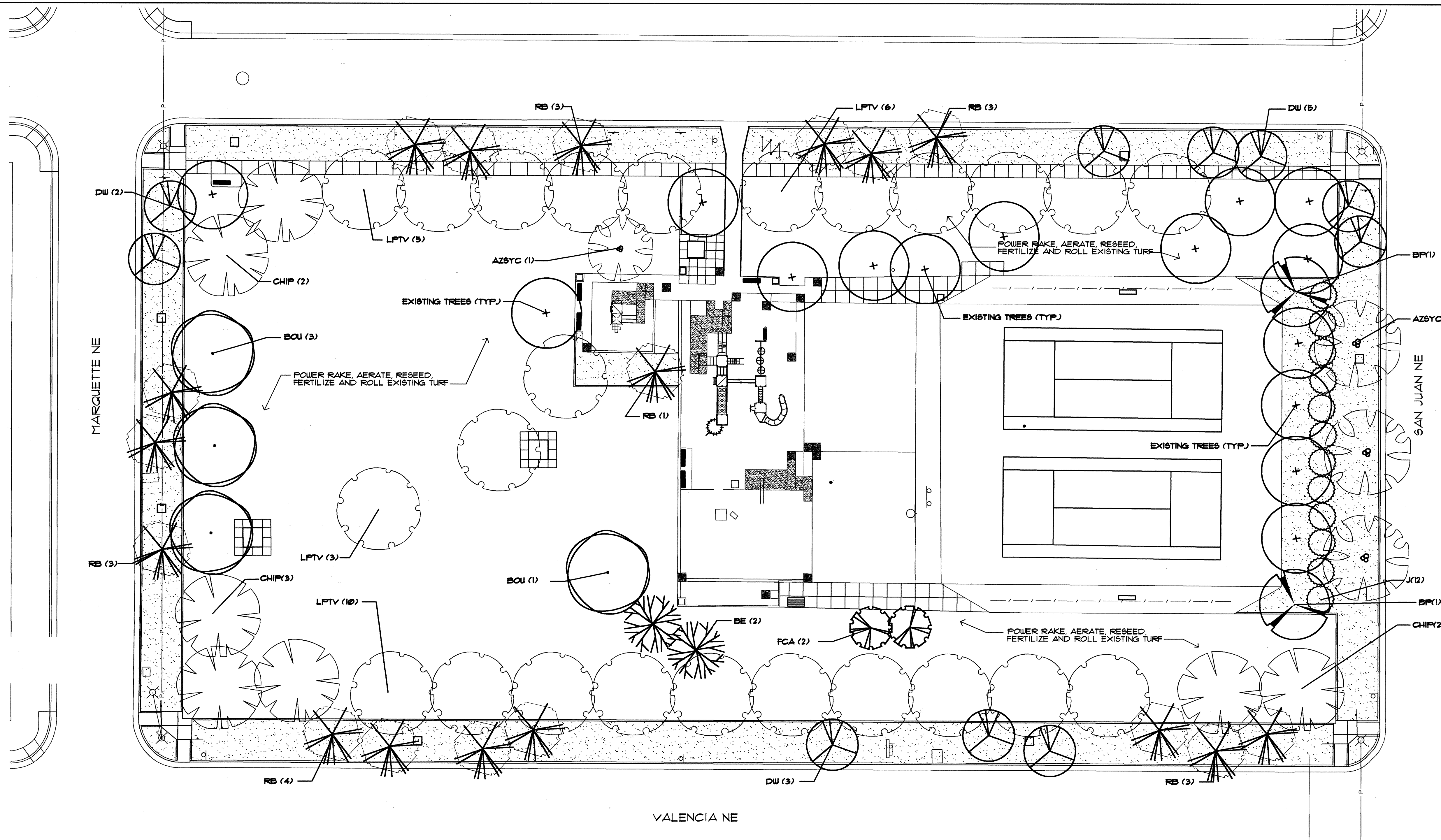


TYPICAL STREET CLOSURE

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

FOR INFORMATION ONLY

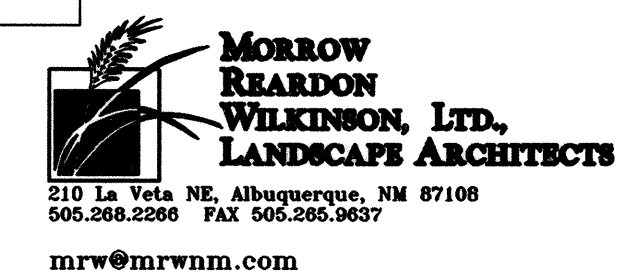
[illegible]



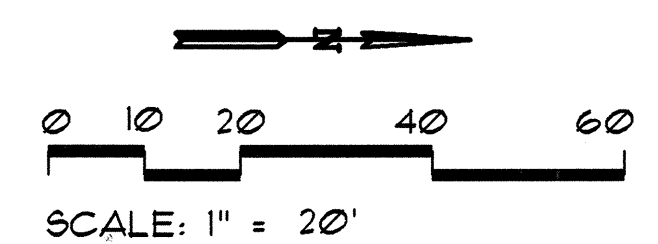
PLANT LIST

KEY	COMMON NAME	BOTANICAL NAME	QUANTITY	SIZE		COMMENTS
				INSTALLED	MATURE	
TREES						
LFTV	LONDON PLANE TREE	PLATANUS ACERIFOLIA	24	2-1/2" cal.	60' ht., 30' spd.	
FCA	FLOWERING CRABAPPLE	MALUS IOENSIS 'PLENA'	2	2-1/2" cal.	20' ht., 15' spd.	
CHIP	CHINESE PISTACHE	PISTACIA CHINENSIS	6	2-1/2" cal.	40' ht., 30' spd.	
BP	BRADFORD PEAR	PYRUS CALLERYANA 'BRADFORD'	2	2 1/2" cal.	30' ht., 4' spd.	
BOU	BUR OAK	QUERCUS MACROCARPA	4	2 1/2" cal.	35' ht., 30' spd.	
RB	RED BUD	CERCIS CANADENSIS	11	2-1/2" cal.	25' ht., 25' spd.	
DW	DESERT WILLOW	CHILOPSIS LINEARIS	10	2-1/2" cal.	25' ht., 25' spd.	
BE	BOX ELDER	ACER NEGUNDO 'SENSATION'	2	2 1/2" cal.	30' ht., 30' spd.	
AZSY	ARIZONA SYCAMORE	PLATANUS WRIGHTII	4	2 1/2" cal.	50' ht., 50' spd.	
SHRUBS						
IR	ROSEMARY	ROSMARINUS OFFICINALIS 'IRENE'	3	Min. 12" spd.	2' ht., 4' spd.	5 gal.
TLS	GRO-LO SUMAC	RHUS AROMATICA 'GROW-LO'	2	Min. 2' spd.	2' ht., 4' spd.	5 gal.
J	BLUE CHIP JUNIPER	JUNIPERUS HORIZONTALIS 'BLUE CHIP'	12	Min. 2' spd.	1' ht., 10' spd.	5 gal.
PERENNIALS						
LE	LAMBS EAR	STACHYS LANATA	8	4" pots	2' ht., 2' spd.	
LV	LAVENDER	LAVANDULA ANGUSTIFOLIA 'MUNSTEAD'	10	1 gal.	18" ht., 18" spd.	
FP	PINELEAF PENSTEMON	PENSTEMON PINIFOLIUS	13	1 gal.	12" ht., 18" spd.	
PIP	ICE PLANT	DELOSPERMA COOPERI	8	1 gal.	4" ht., 18" spd.	
RPM	REGAL MIST	MUHLENBERGIA CAPELLENSIS 'REGAL MIST'	10	1 gal.	2' ht., 18" spd.	
TURF						
	PARK BLEND	POA PRATENSIS 'ADELPHI' FESTUCA ELIATOR 'FALCON' LOLIUM PERENNE 'PENNINE'	41,800 SF	----	----	SEED EQUAL QUANTITIES @ 250 lbs. FLS/ ACRE

FOR REFERENCE ONLY-
NOT IN CONTRACT



FOR INFORMATION ONLY



CITY OF ALBUQUERQUE PARKS AND RECREATION PLANNING AND DESIGN	
TITLE: MARION FOX MEMORIAL PARK RENOVATION FUTURE PLANTING PLAN- FOR REFERENCE ONLY	
Design Review Committee	City Engineer Approval
City Project No. 6293.92	Zone Map No. K-18-Z
Sheet 12	of 12

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	FIELD NOTES	DATE	WITH THE SOUTH SIDE OF LOMAS BLVD. NE MEDIAN RETURN WEST OF ALVARADO DR. NE ELEV. 5259.30 MSLD 1929	CONTRACTOR	NO.
				WORK STACKED BY	
				FIELD ACCEPTANCE BY	
				DRAWING CORRECTED BY	
				MICRO-FILM INFORMATION	
				RECORDED BY	
				DATE	