

JANUARY 22, 1998
CONSTRUCTION DOCUMENTS

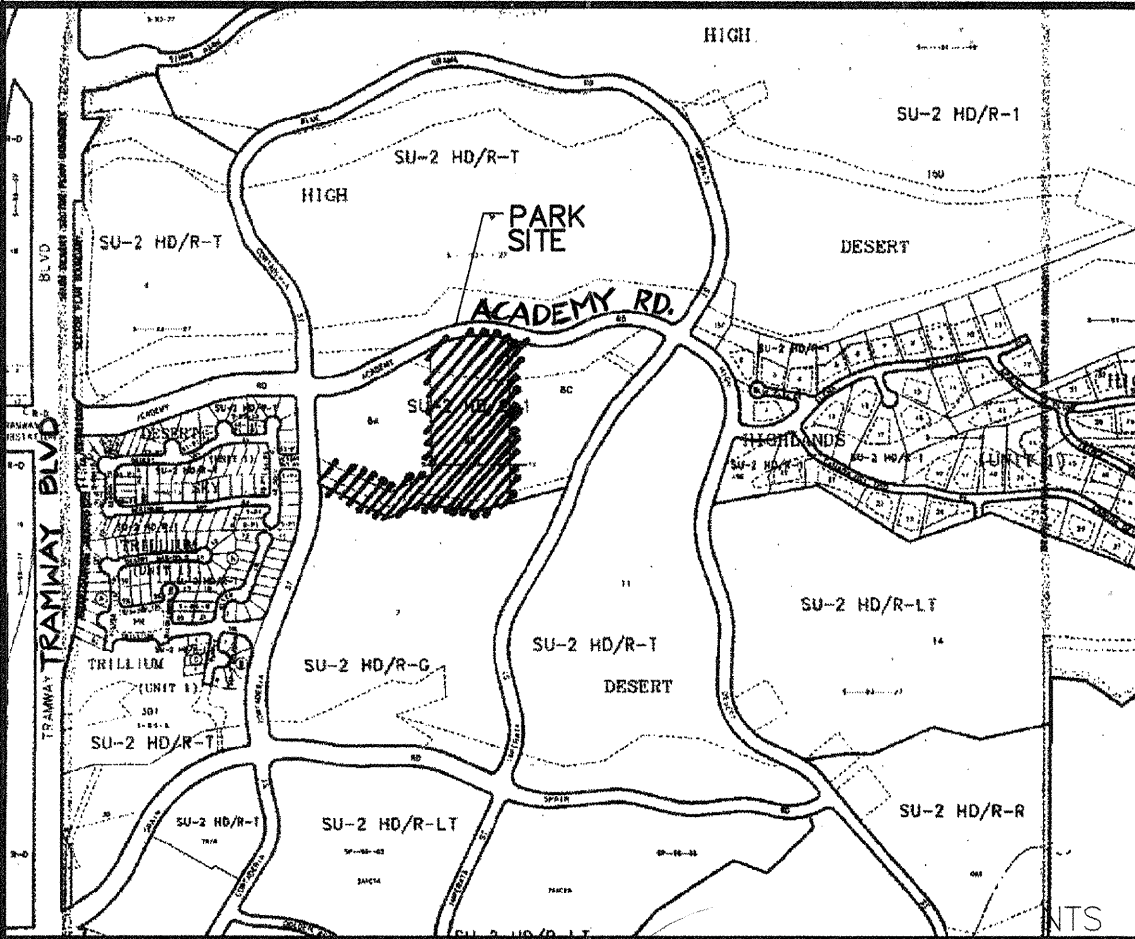
THE PARK at HIGH DESERT

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FOR INFORMATION ONLY

DESIGNWORKSHOP
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LOCATION MAP E-23-Z

- ALL WORK TO BE IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS, 1986 EDITION (AS UPDATED WITH REVISION #6), OR PER ATTACHED SPECIFICATIONS.
- THE WATER SYSTEMS DIVISION (857-8200) SHALL BE NOTIFIED (5) FIVE WORKING DAYS IN ADVANCE OF ANY WORK WHICH MAY AFFECT EXISTING PUBLIC WATER FACILITIES. THE CONTRACTOR SHALL ALSO COORDINATE FOR VALVE OPERATION FOR WATER SHUTOFF.
- (5) FIVE WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. REFER TO SECTION 19 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS.
- (2) TWO WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. SEE SECTION 19 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS.
- ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKING BY CONTRACTOR TO EXISTING LOCATIONS OR AS INDICATED BY THIS PLAN.
- THE CONTRACTOR SHALL CONTACT NEW MEXICO ONE CALL SYSTEM PHONE: 260-1990, TO LOCATE UNDERGROUND UTILITIES 2 WORK DAYS PRIOR TO BEGINNING EXCAVATION.
- THE CONTRACTOR SHALL CONTACT TRAFFIC ENGINEERING OPERATIONS 857-8680 FOR REMOVAL AND REPLACEMENT OF TRAFFIC SIGNS.
- THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES, UNLESS NOTED OTHERWISE. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- ALL EXISTING IMPROVEMENTS ARE TO REMAIN, UNLESS SPECIFICALLY NOTED TO BE REMOVED. CONTRACTOR SHALL REPAIR ANY CONTRACTOR-CAUSED DAMAGE, AS DETERMINED BY THE ENGINEER TO EXISTING IMPROVEMENTS TO THE SATISFACTION OF THE OWNER AT THE CONTRACTOR'S EXPENSE.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CHECK ALL DIMENSIONS, HORIZONTAL AND VERTICAL, AND SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION SO THAT CONFLICT CAN BE RESOLVED WITH THE MINIMUM AMOUNT OF DELAY.
- FOR PURPOSES OF THIS PROJECT THE TERM ENGINEER SHALL REFER TO EITHER THE OWNER'S EMPLOYEE OR THE LANDSCAPE ARCHITECT RESPONSIBLE FOR CONSTRUCTION INSPECTION OF THE PROJECT.
- ALL REFERENCES TO COMPACTED BACKFILL OR COMPACTED SUBGRADE SHALL MEAN SOIL COMPACTED TO 95% OF MAXIMUM DENSITY AS DETERMINED BY ASTM D-1557 UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL NOTIFY THE ENGINEER 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 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 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.

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
LANDSCAPE ARCHITECT'S SEAL		APPROVALS	ENGINEER	DATE	*****		
		DCR Chairman	<i>Sally G. Arakelyan</i>	2/20/98	APPROVED FOR CONSTRUCTION		
		Transportation	<i>[Signature]</i>	2/24/98			
		Water/Wastewater	<i>[Signature]</i>	2/4/98			
		Hydrology	<i>[Signature]</i>	2-20-98			
		Parks	<i>[Signature]</i>	2-20-98			
Constr. Mngmt.	<i>[Signature]</i>	2-17-98	City Engineer <i>[Signature]</i> 3/16/98				
Constr. Coord.	<i>[Signature]</i>	2-17-98	City Engineer <i>[Signature]</i> 3/16/98				
City Project Number		5163.91		Sheet		1 of 30	

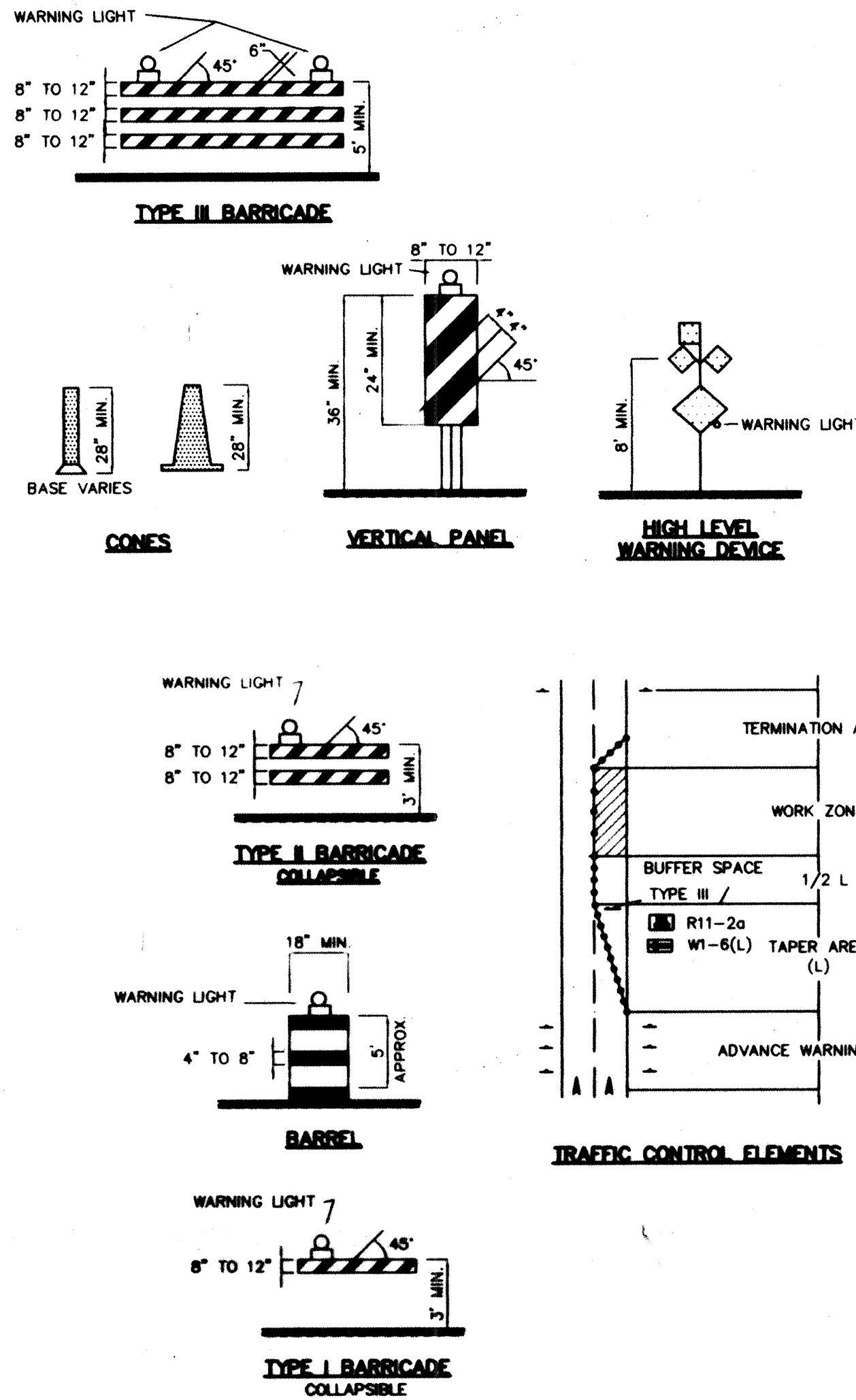
SET NUMBER: _____

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 WITHIN THE UNDERSTANDING, THAT A PERMIT SHALL BE OBTAINED WITHIN 24 TO 48 HOURS.
2. CONTRACTOR SHALL AT THE TIME OF PERMIT REQUEST, SUBMIT FOR APPROVAL BY CONSTRUCTION COORDINATION, A TRAFFIC CONTROL PLAN DETAILING ALL EXISTING TOPOGRAPHY SUCH AS LANE WIDTHS, DRIVEWAYS, AND BUSINESS/RESIDENTIAL ACCESSES. THE TRAFFIC CONTROL PLAN SHALL INCLUDE ALL PHASES OF WORK AND SCHEDULES INVOLVED IN THE CONSTRUCTION PROJECT. ANY SEPARATE PHASES OF A CONSTRUCTION PROJECT SHALL BE GIVEN AN INDIVIDUAL PERMIT EACH. BLANKET PERMITS WILL NOT BE ISSUED.
3. THESE TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, LANE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.
4. CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.
5. CONSTRUCTION COORDINATION SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY TRAFFIC CONTROL CHANGES NEEDED BY CONTRACTOR, THAT WERE NOT PREVIOUSLY APPROVED. THESE TRAFFIC CONTROL CHANGES SHALL BE REQUESTED IN WRITING ACCOMPANIED WITH A TRAFFIC CONTROL PLAN REFLECTING SUCH CHANGES.
6. ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION, PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.
7. THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET-UP SHALL BE BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED WORKSITE TRAFFIC SUPERVISOR. THE MAINTENANCE AND SERVICING SHALL ALSO BE DONE BY AN ATSSA CERTIFIED WORKSITE TRAFFIC SUPERVISOR OR EQUIVALENT.
8. CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT. CONTRACTOR IS RESPONSIBLE THAT ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE MUTCD, LATEST EDITION.
9. ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE ARE MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.
10. ALL BARRICADES IN ALL TAPERS AND TANGENTS SHALL BE PLACED APART, A DISTANCE MEASURED IN FEET, EQUAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY CONSTRUCTION COORDINATION PER MUTCD SECTION 6A-4.
11. ALL WORK IN ARTERIAL ROADWAYS SHALL BE ON A CONTINUOUS 24-HOUR PER DAY BASIS UNTIL COMPLETED.
12. CONTRACTOR IS RESPONSIBLE TO PROVIDE CONSTRUCTION COORDINATION, A WEEKLY LOG OF DAILY INSPECTIONS OF BARRICADE AND MAINTENANCE SCHEDULES ON PROJECTS THAT ARE OVER ONE WEEK DURATION.
13. EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELLED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.
14. CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.
15. CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.
16. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.
17. CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCTION COORDINATION. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE OPAQUE LETTERING ON BLUE REFLECTORIZED BACKGROUND. ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BID AND NOT PART OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSINESSES SHALL BE LISTED ON A ACCESS SIGN. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.
18. ALL ADVANCE WARNING SIGNS SHALL MEET THE MINIMUM REFLECTIVE INTENSITY REQUIREMENTS SET FORTH BY THE CITY OF ALBUQUERQUE. CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.
19. 48 HOURS PRIOR TO 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:
- STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
 - THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
 - SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.
23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.
24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION. WASHING OF EQUIPMENT IS INCIDENTAL TO ITS PLACEMENT AND MAINTENANCE.
25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

26. ADVANCE WARNING SIGNS SHALL BE 36"x36" MIN. WITH SUPER ENGINEERING GRADE SHEETING OR BETTER. MOUNTING HEIGHT AT TOP OF SIGN SHALL BE THE SAME AS FOR A 48" SIGN AS INDICATED IN THE M.U.T.C.D.
27. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORKSITE. ALL GRAFFITI SHALL BE PROMPTLY REMOVED FROM ALL EQUIPMENT, BOTH PERMANENT AND TEMPORARY.



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

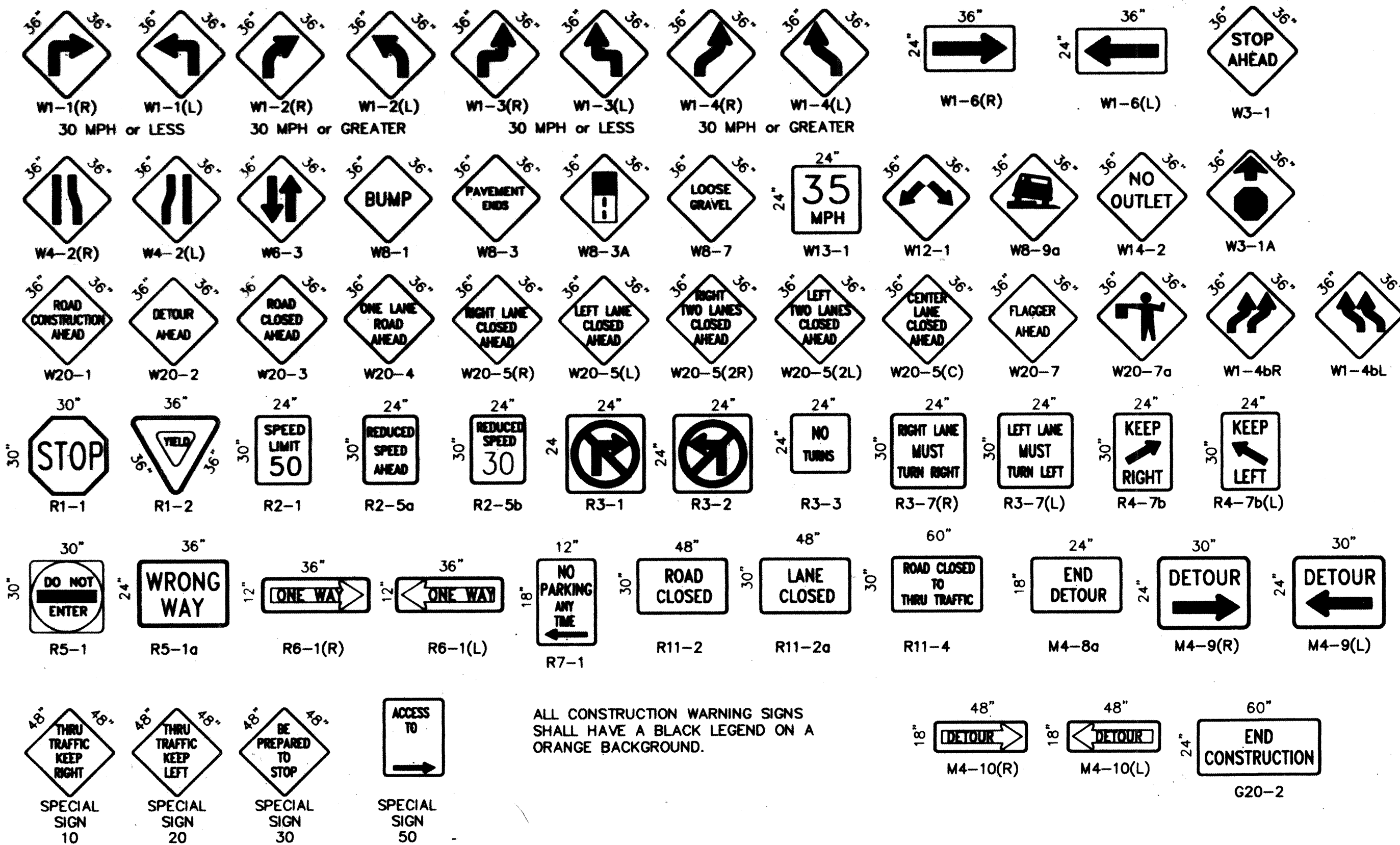
TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

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

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

SIGN FACE DETAILS



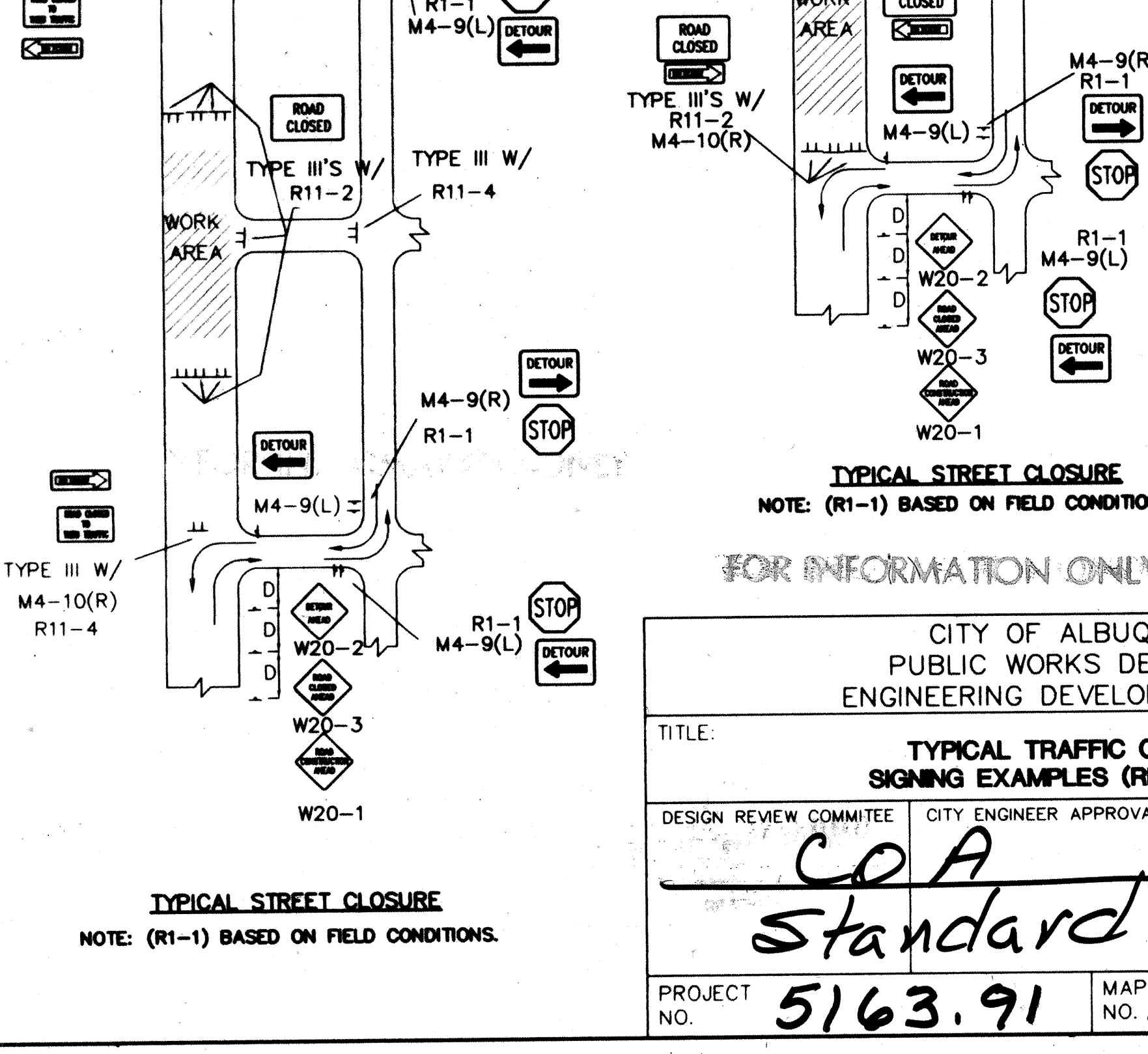
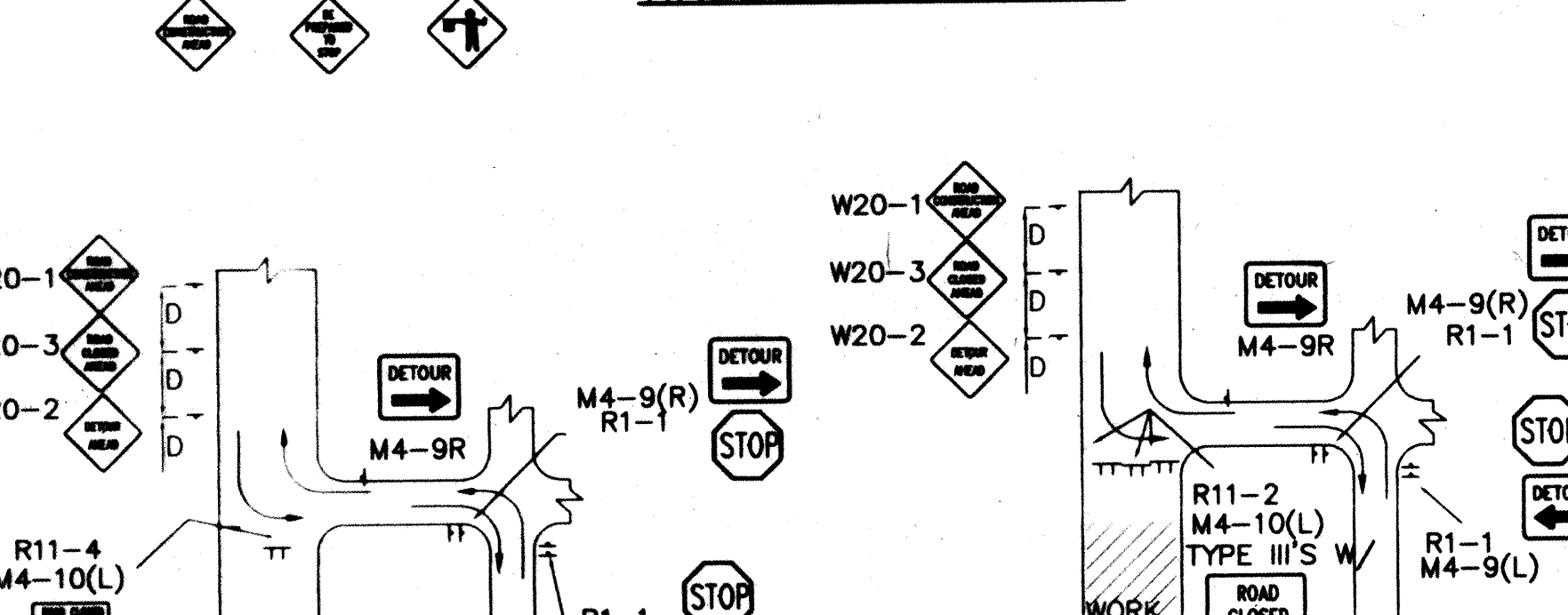
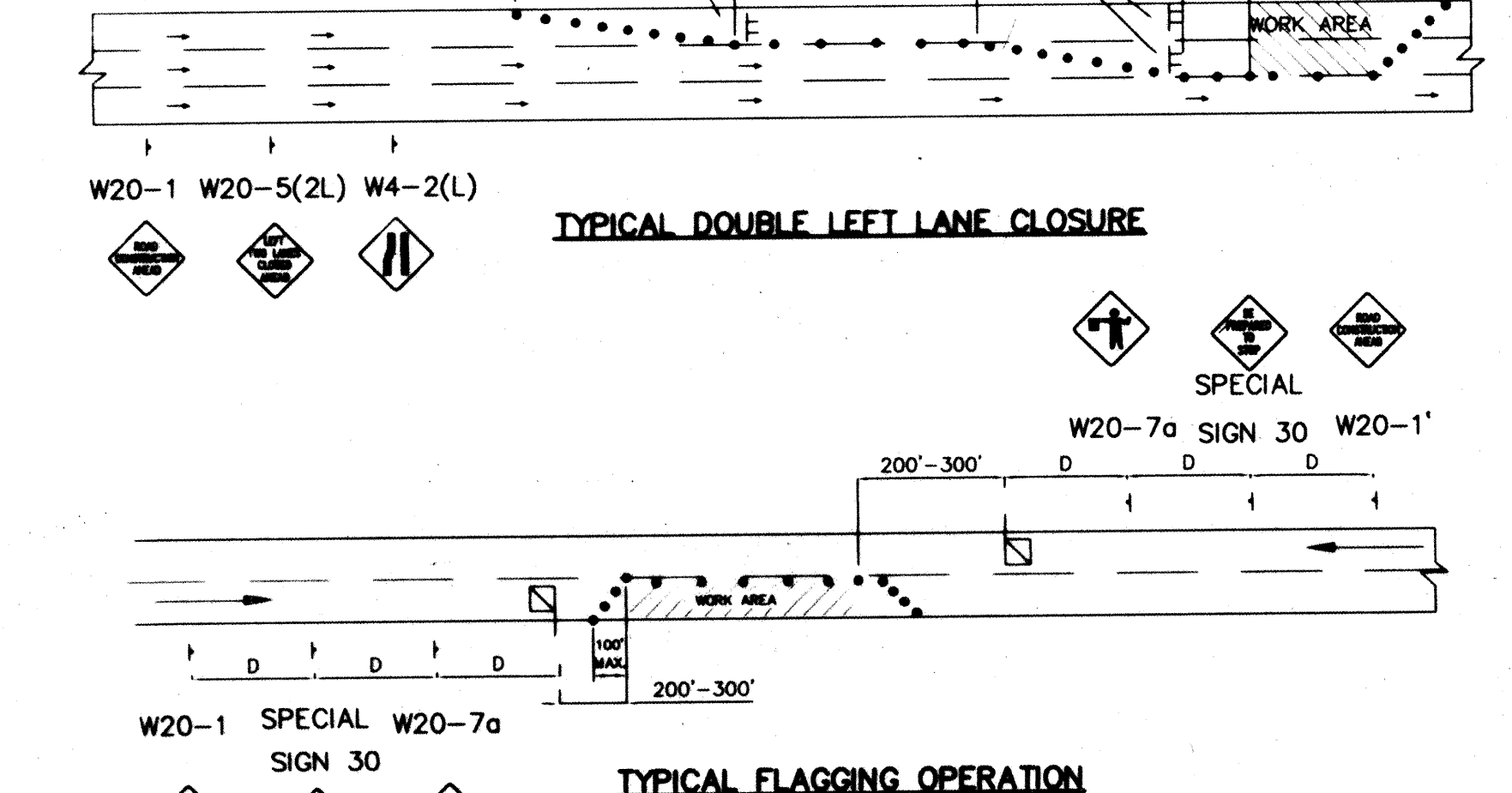
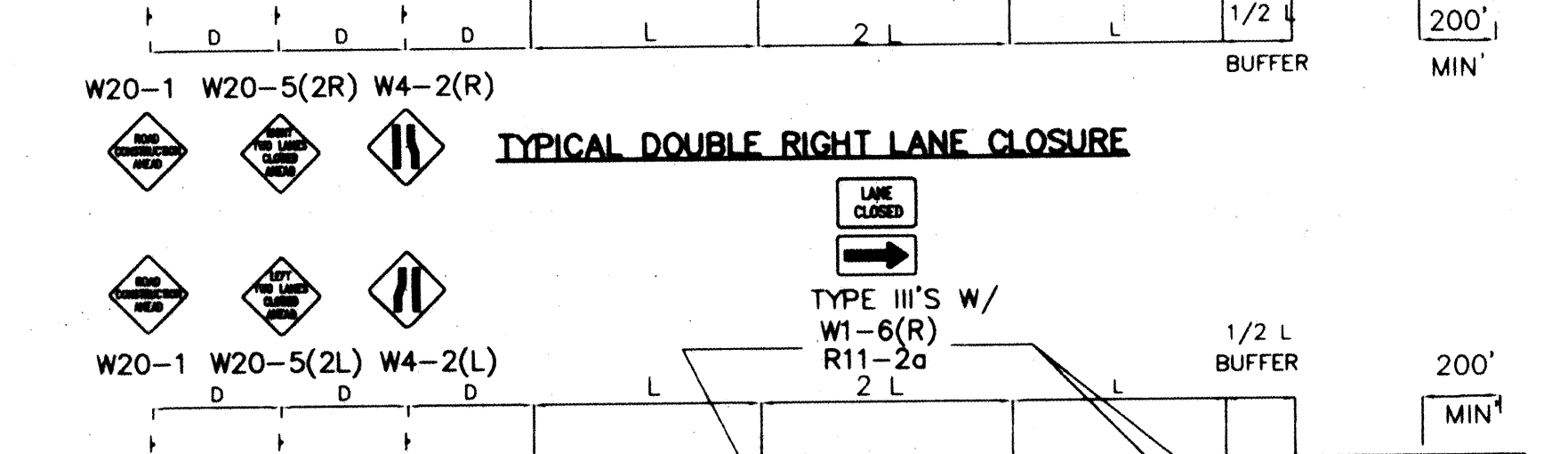
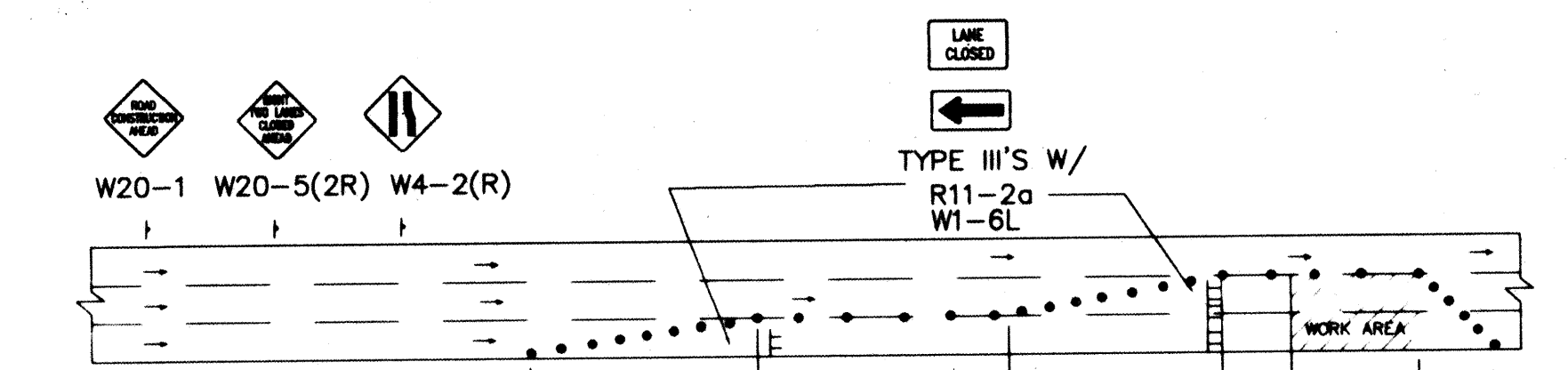
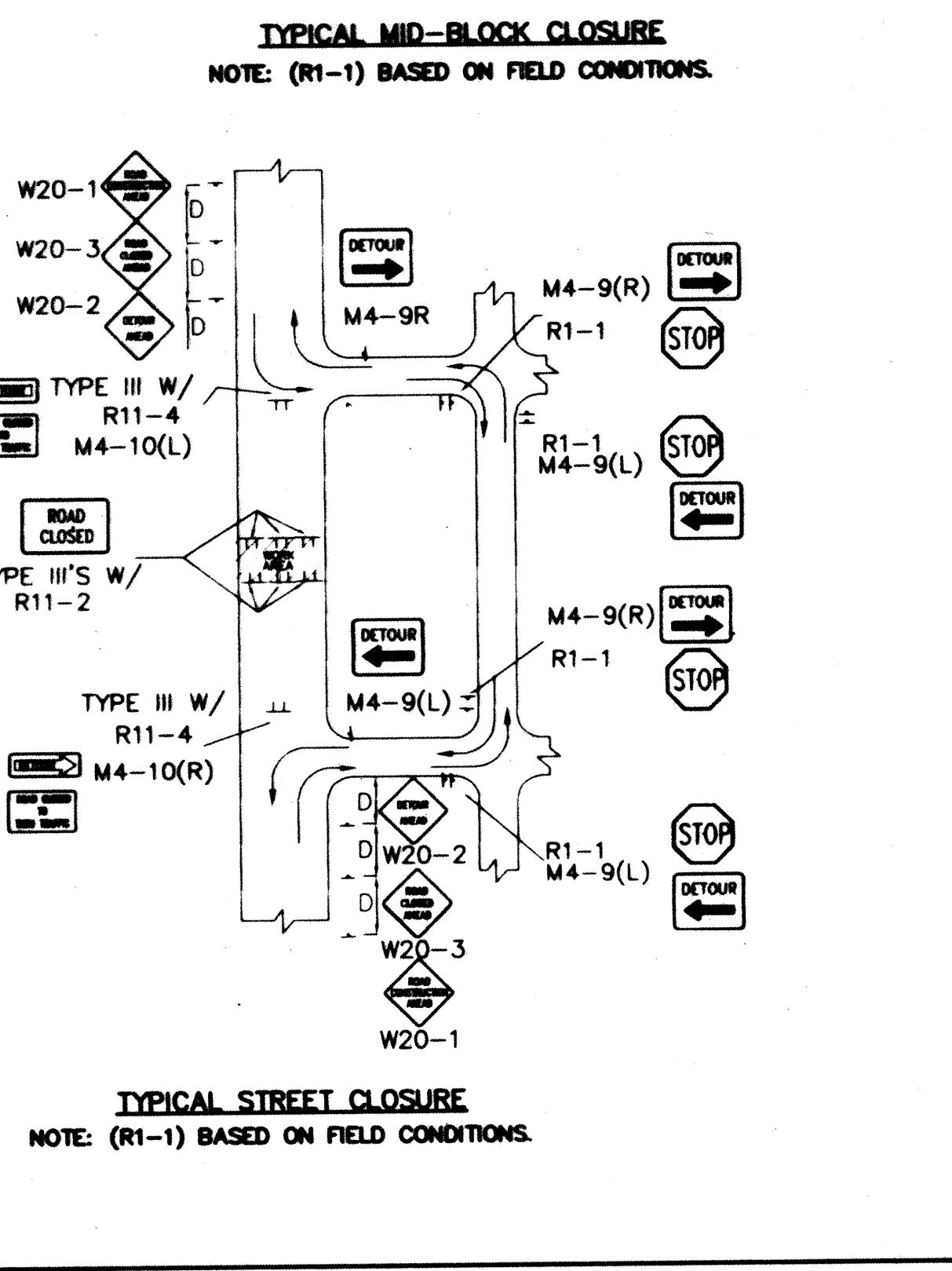
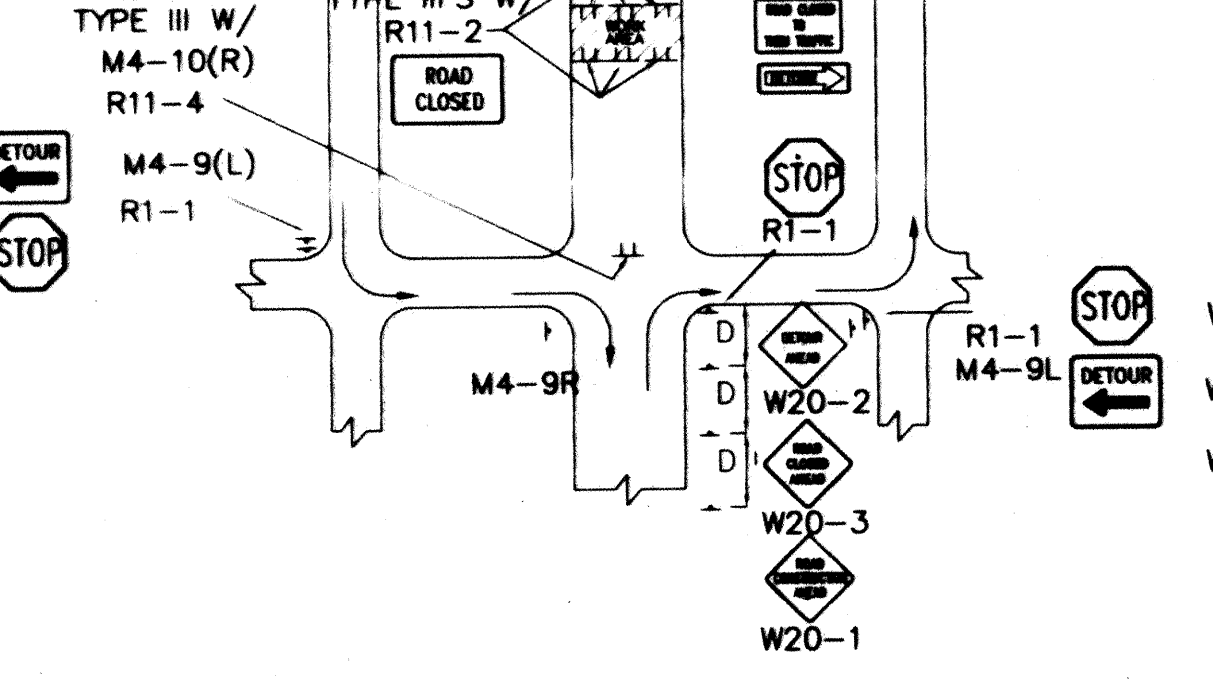
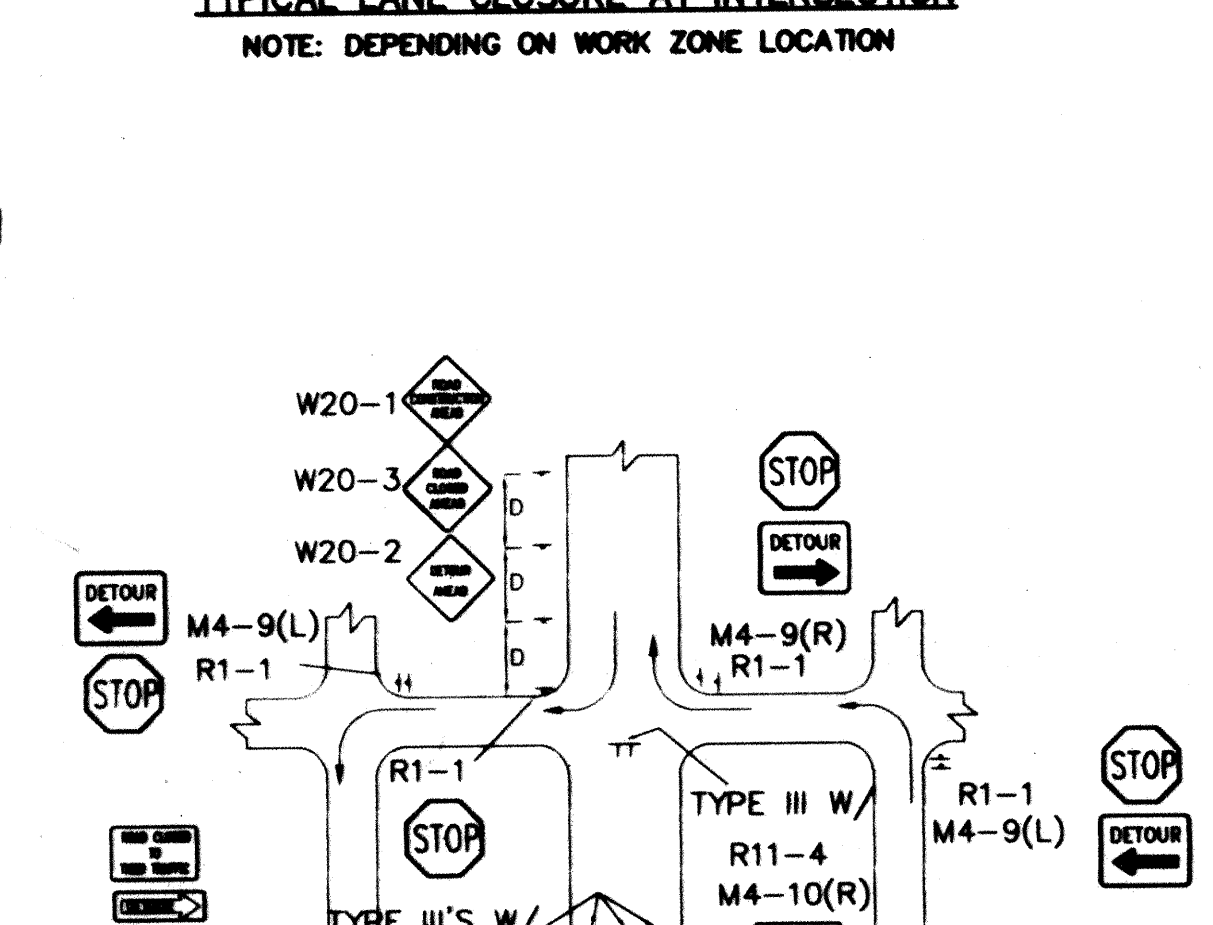
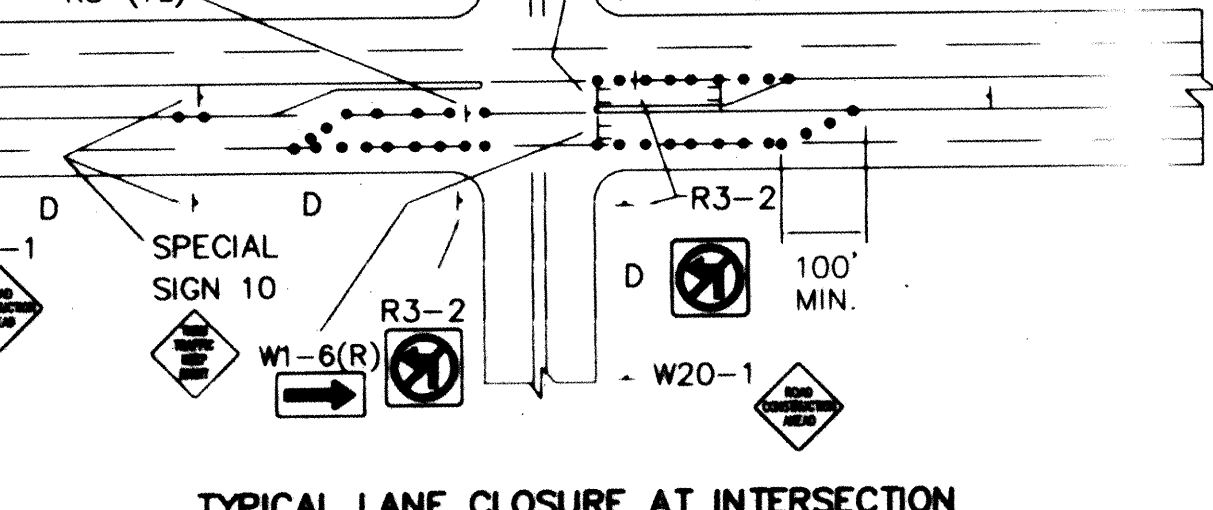
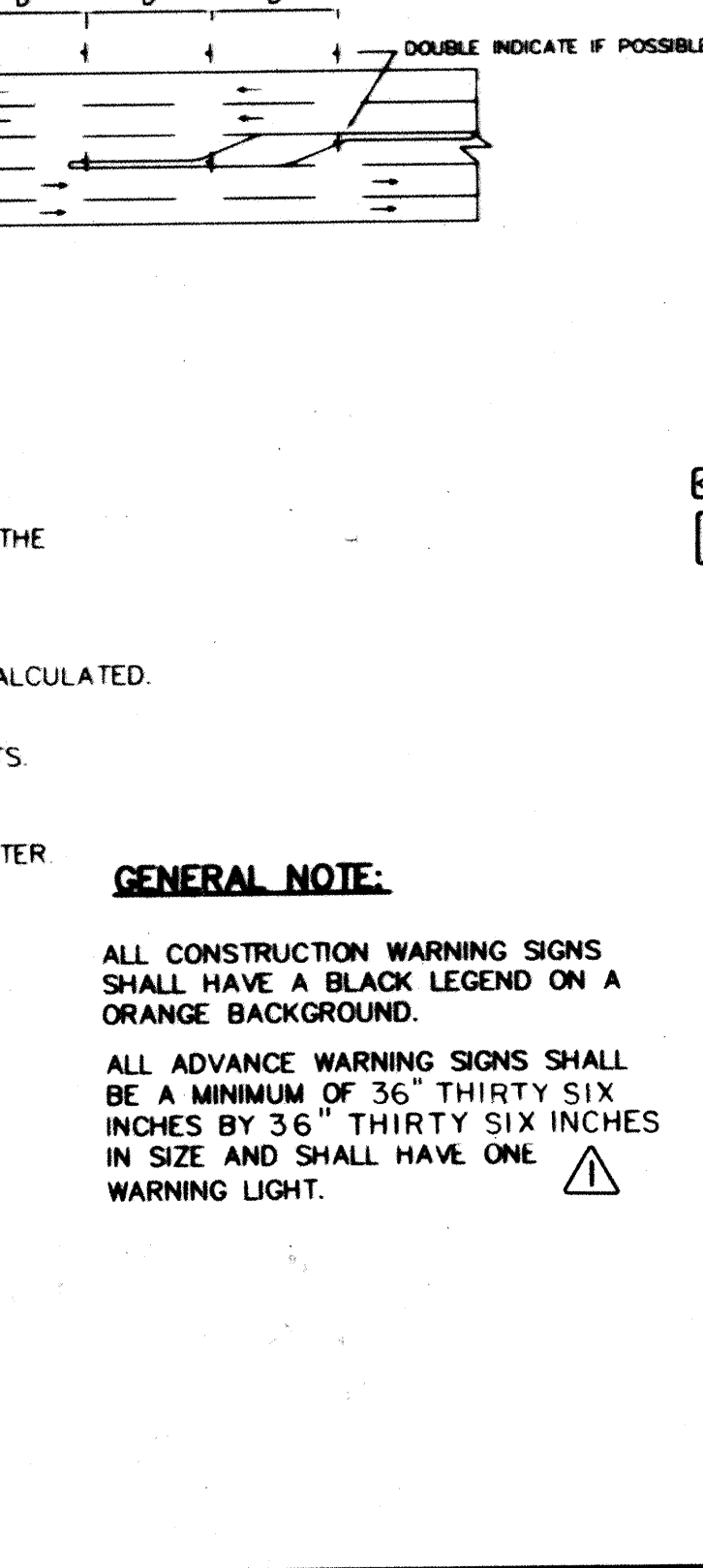
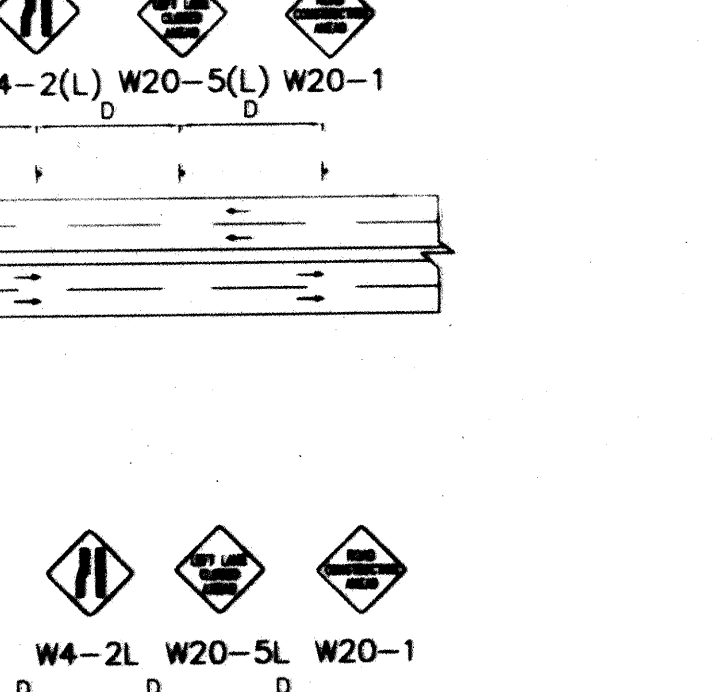
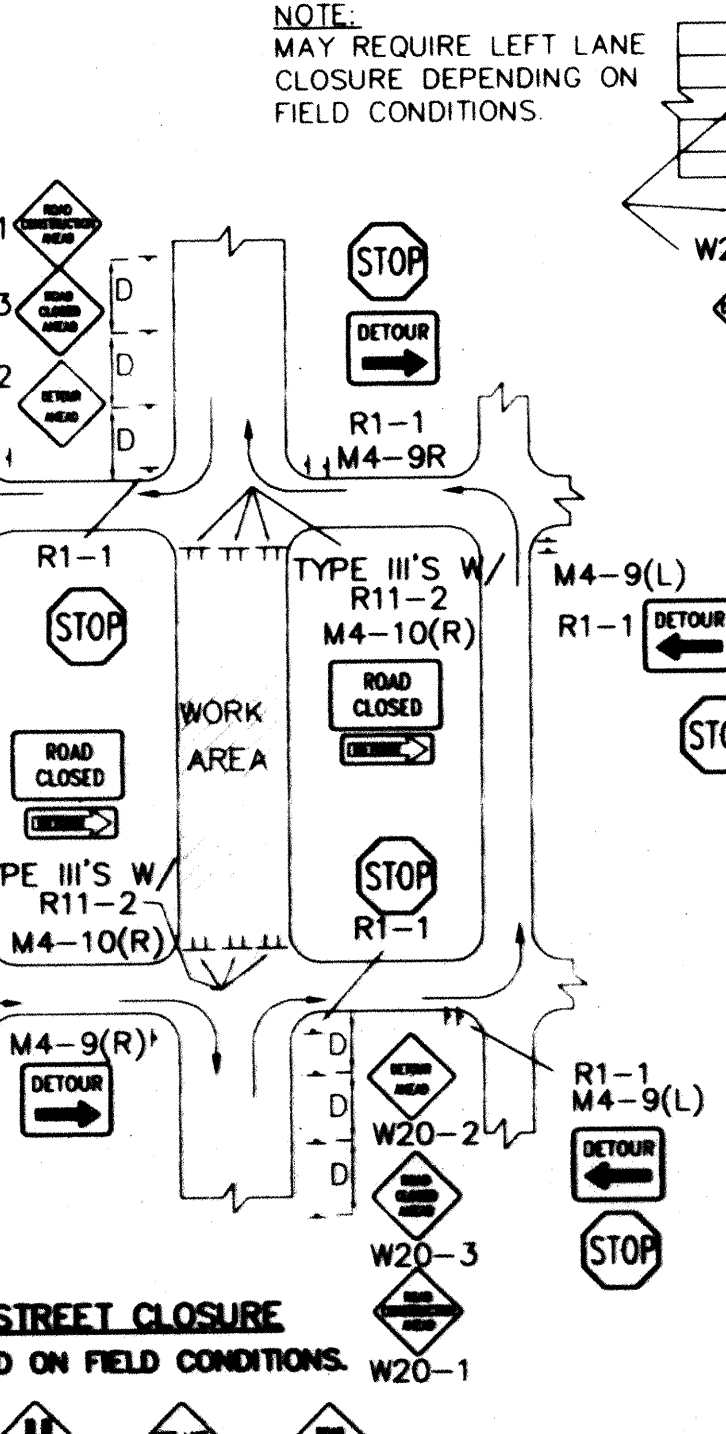
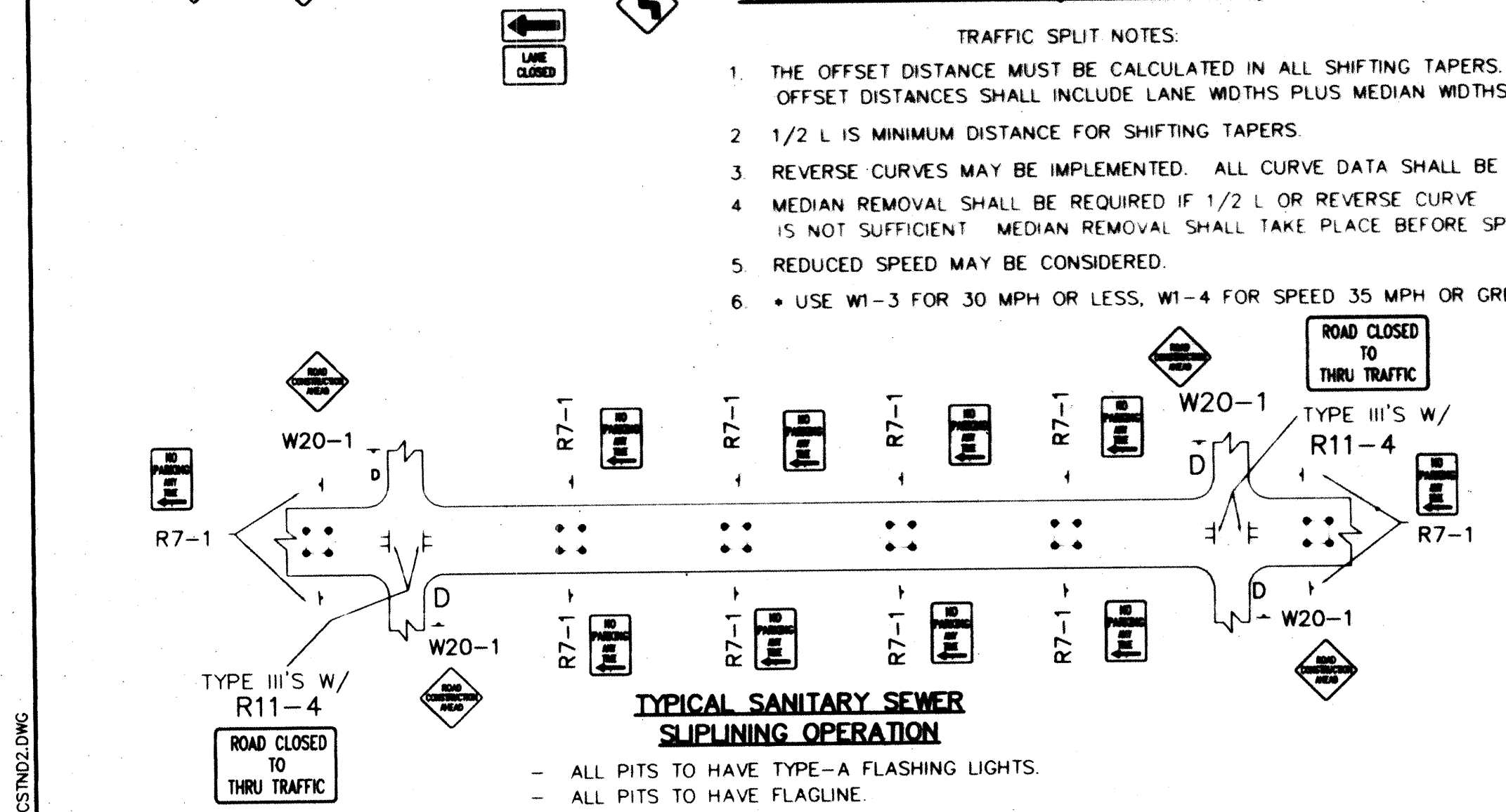
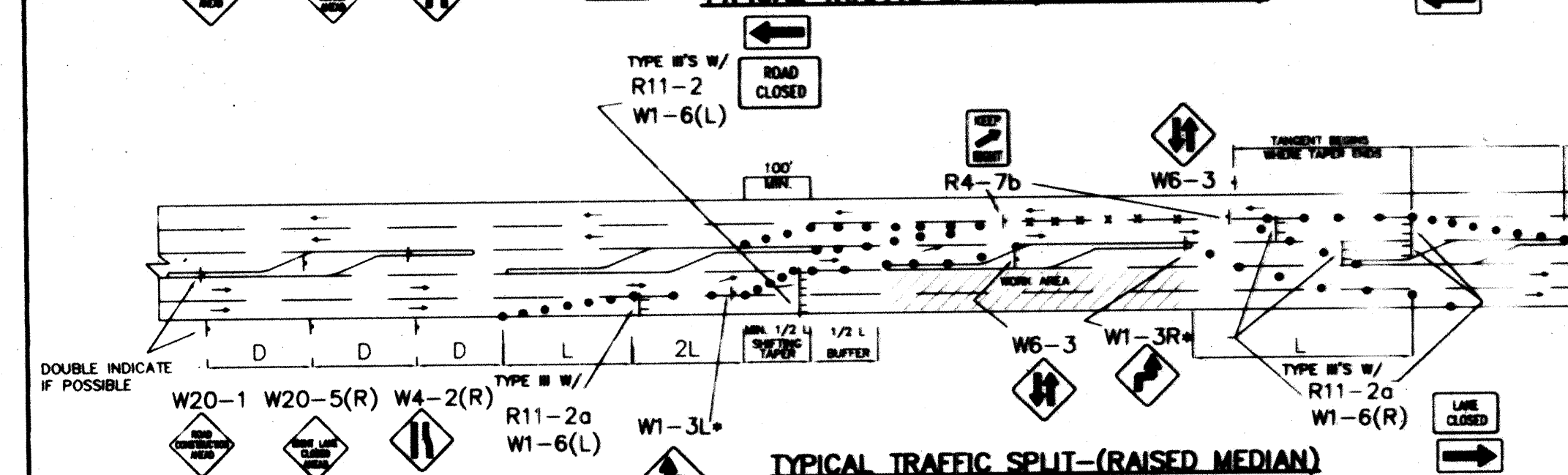
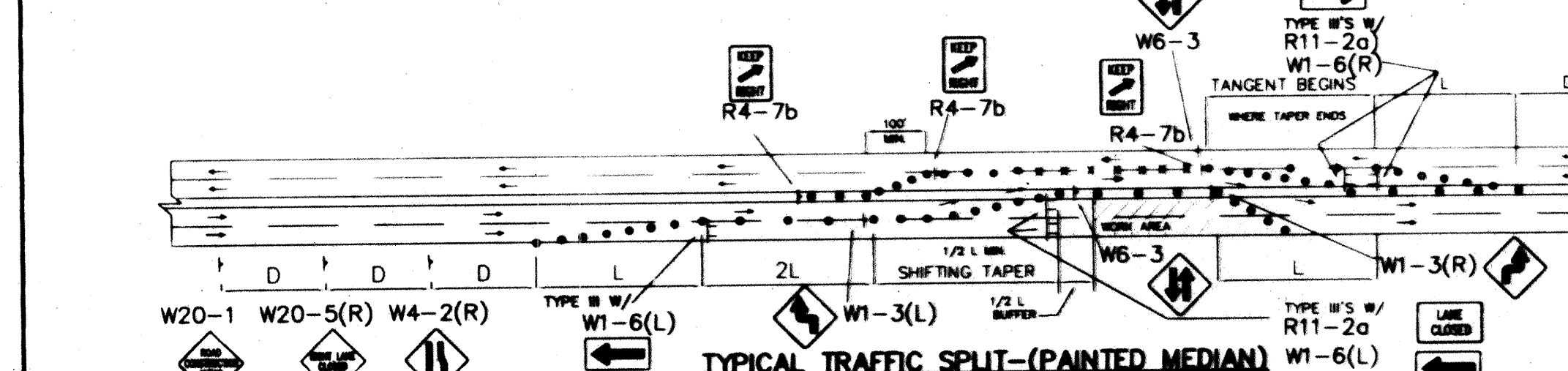
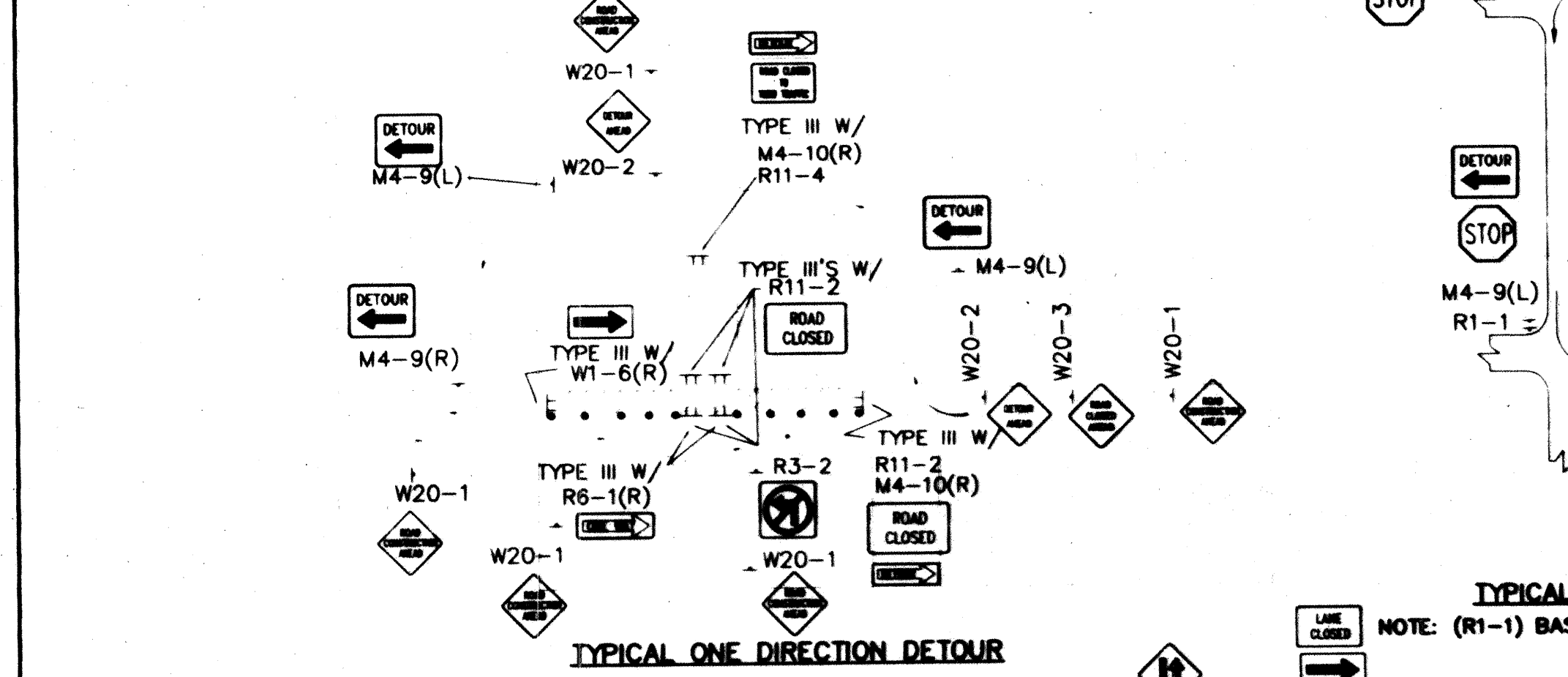
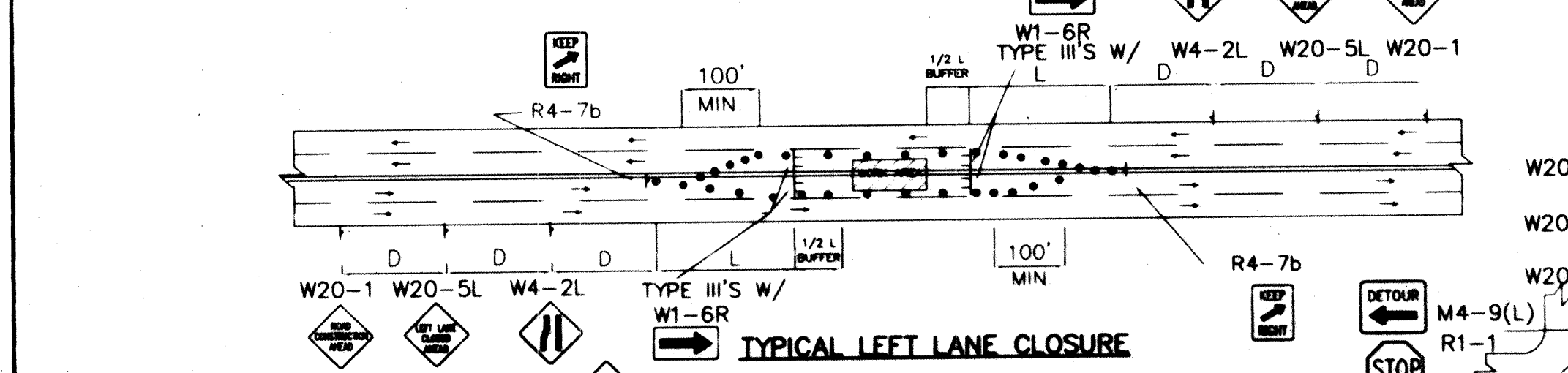
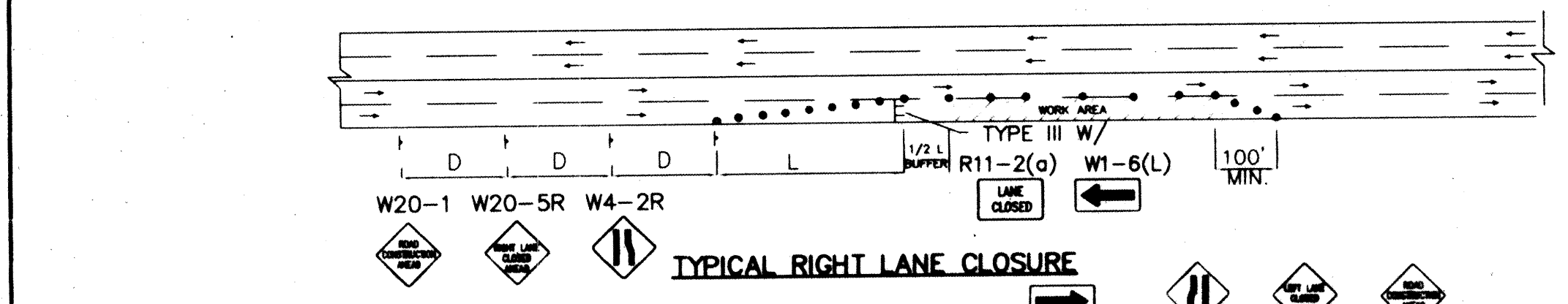
ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

FOR INFORMATION ONLY

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
COA Standard		LAST UPDATE	
PROJECT NO. 5163.91	MAP NO. E-23	SHEET 11 OF 30	



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.

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

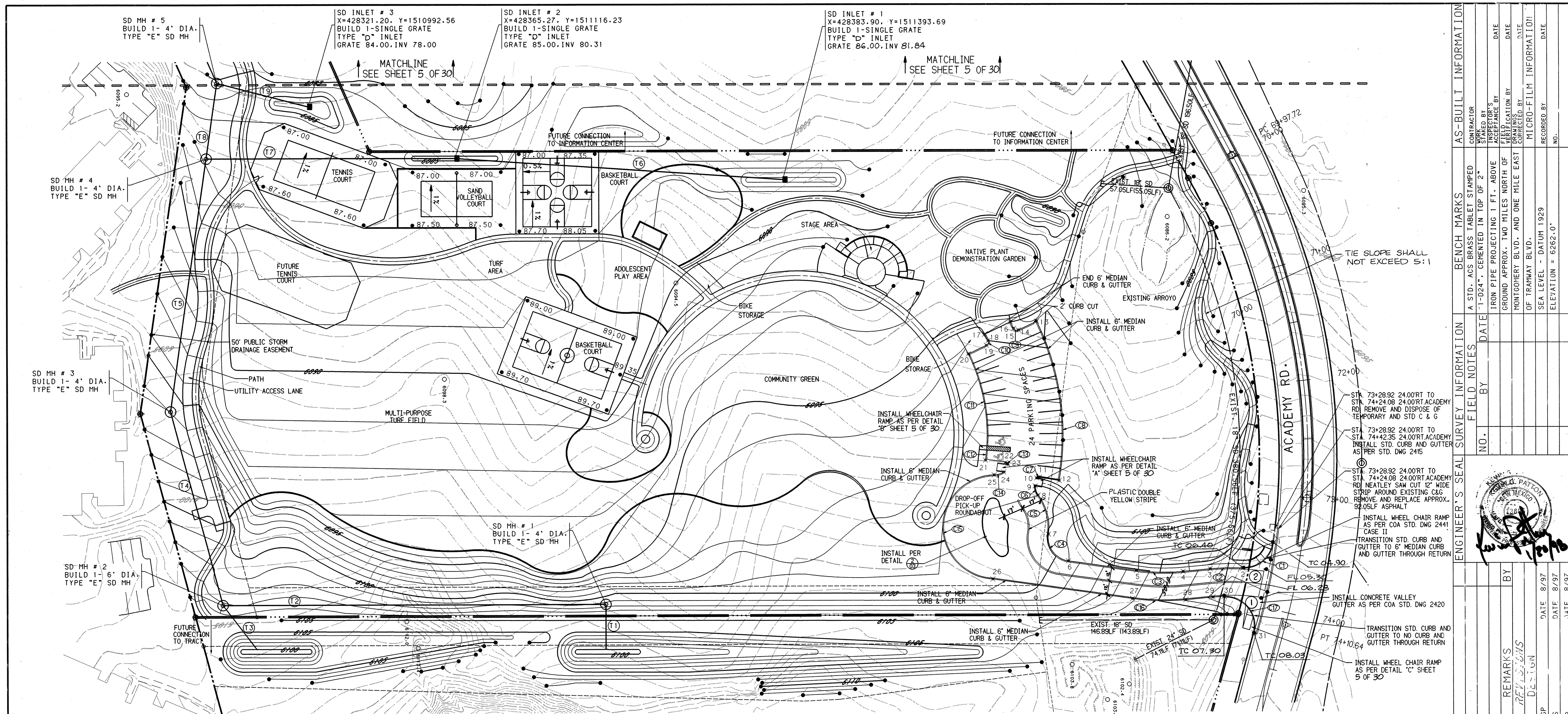
AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	CONTRACTOR	DATE	NO.	DATE	NO.	DATE
STANDARD BY	DATE	STANDARD BY	DATE	NO.	DATE	NO.	DATE
REVISIONS	DATE	REVISIONS	DATE	NO.	DATE	NO.	DATE
DESIGNED BY	DATE	DESIGNED BY	DATE	NO.	DATE	NO.	DATE
DRAWN BY	DATE	DRAWN BY	DATE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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

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

DESIGN REVIEW COMMITTEE: COA CITY ENGINEER APPROVAL: Standard

PROJECT NO. 5163.91 MAP NO. E-23 SHEET T2 OF 3



MEDIAN CURB POINTS TABLE

NO.	STATION	ELEVATION
1	428694.04546	1511806.90453
2	428715.47833	1511780.92485
3	428716.09088	1511753.47116
4	428718.24732	1511730.56863
5	428717.32341	1511691.23500
6	428709.19276	1511633.89199
7	428686.48451	1511616.91200
8	428652.80988	1511608.28770
9	428644.93725	1511605.90729
10	428638.35765	1511606.04049
11	428637.45310	1511609.41717
12	428640.36733	1511626.10722
13	428504.94184	1511607.39923
14	428512.34060	1511592.06940
15	428510.98212	1511588.08296
16	428505.47859	1511585.22062
17	428515.92257	1511563.58123
18	428521.33027	1511566.42330
19	428525.38205	1511565.04820
20	428532.76014	1511549.76120
21	428624.31721	1511563.87399
22	428626.58619	1511580.59866
23	428627.92375	1511582.59100
24	428634.18652	1511577.11296
25	428635.45634	1511571.39855
26	428724.38553	1511570.08413
27	428741.08574	1511687.86575
28	428742.14163	1511732.81847
29	428739.98248	1511755.74972
30	428739.99169	1511765.09846
31	428770.75942	1511789.54330

MEDIAN CURB CURVE DATA TABLE

NUMBER	DELTA	TANGENT	LENGTH	RADIUS	CHORD	BEARING
C1	84°41'22.7"	22.21'	36.03'	25.00'	N05°18'37"E	
C2	8°12'5.9"	13.77'	27.48'	192.00'	N81°47'54"E	
C3	13°26'56.9"	19.81'	39.43'	168.00'	S76°33'03"E	
C4	90°17'7.5"	20.10'	31.52'	20.00'	N00°17'08"W	
C5	45°26'28.7"	18.84'	35.69'	45.00'	N44°33'31"E	
C6	28°23'16.7"	4.24'	8.31'	16.77'	N61°36'43"E	
C7	52°28'11.4"	1.23'	2.29'	2.50'	N37°31'49"E	
C8	35°47'49.4"	71.83'	138.96'	222.42'	N54°12'11"E	
C9	89°9'47.5"	2.96'	4.67'	3.00'	N00°50'12"E	
C10	90°58'47.7"	3.05'	4.76'	3.00'	N00°58'48"W	
C11	29°7'8.2"	41.14'	80.51'	158.42'	N60°52'52"E	
C12	3°4'28.7"	4.25'	8.50'	158.42'	N86°55'31"E	
C13	47°13'49.8"	1.31'	2.47'	3.00'	N42°46'10"E	
C14	32°10'59.9"	4.33'	8.43'	15.00'	N57°49'00"E	
C15	175°45'14.4"	1200.42'	136.50'	44.50'	N85°45'14"W	
C16	13°26'56.9"	22.64'	45.07'	192.00'	S76°33'03"E	
C17	91°10'8.4"	24.88'	38.79'	25.00'	S01°10'08"W	

STORM DRAIN MANHOLE DATA

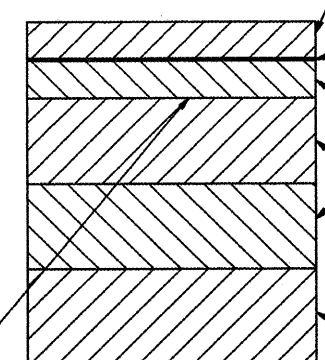
NUMBER	TYPE	X	Y	RIM ELEV.	INVERT
MH# 1	TYPE "E"	428744.96	1511243.44	6101.50	(S.E) 94.50
MH# 2	TYPE "E"	428744.96	1510920.32	6103.27	(W.N.E) 91.75
MH# 3	TYPE "E"	428580.06	1510876.33	6095.90	(W.E) 85.90
MH# 4	TYPE "E"	428365.27	1510906.82	6087.87	(W.N.E) 79.26
MH# 5	TYPE "E"	428300.80	1510915.97	6084.81	(W.N.E) 77.17

STORM DRAIN LINE DATA

NUMBER	BEARING	DISTANCE	SLOPE	RCP DIA.	INVERT
T1	S90°00'00"W	39.16'	15.32%	24"	(OUT) 6100.50
T2	N00°00'00"W	323.12'	0.85%	24"	
T3	N53°06'3.2"E	48.02'	18.22%	24"	(OUT) 6100.50
T4	S75°03'56"W	170.66'	3.43%	24"	
T5	N81°55'23"W	216.95'	3.06%	24"	
T6	N03°50'59"E	277.59'	0.55%	18"	
T7	N00°00'00"W	209.91'	0.50%	24"	
T8	N81°55'23"W	65.12'	3.21%	24"	
T9	N14°55'04"E	79.26'	1.05%	18"	

FINISH SURFACES OF SUBGRADE SHALL BE MOISTURE CONTROLLED AT THE COMPACTION MOISTURE RANGE, OR A PRIME COAT APPLIED AS REQUIRED BY THE ENGINEER UNTIL NEXT FINAL SURFACING IS COMPLETED. SUBGRADE PREPARATION SHALL BE PERFORMED AFTER ALL SUBSURFACE R/W UTILITIES CONSTRUCTION ARE COMPLETED.

NOTE: FOR GRADING INFORMATION REFER TO THE APPROVED GRADING AND DRAINAGE PLAN FOR INFORMATION ONLY (STAMP DATED 10-15-97)

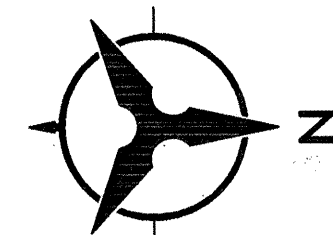


TYPICAL PAVEMENT SECTION

(REFER TO COA STD DWG 2405)

TC	FL
07.19	06.94
07.13	07.08
07.64	07.22

TC	FL
05.92	04.65
05.12	05.07
05.98	05.48



SCALE: 1" = 40'

BHI JOB NO. 97164A02

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ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE ARCHITECTS
ALBUQUERQUE LAS CRUCES SANTA FE

HIGH DESERT INVESTMENT CORP.
13000 ACADEMY ROAD N.E.
ALBUQUERQUE, N.M. 87111

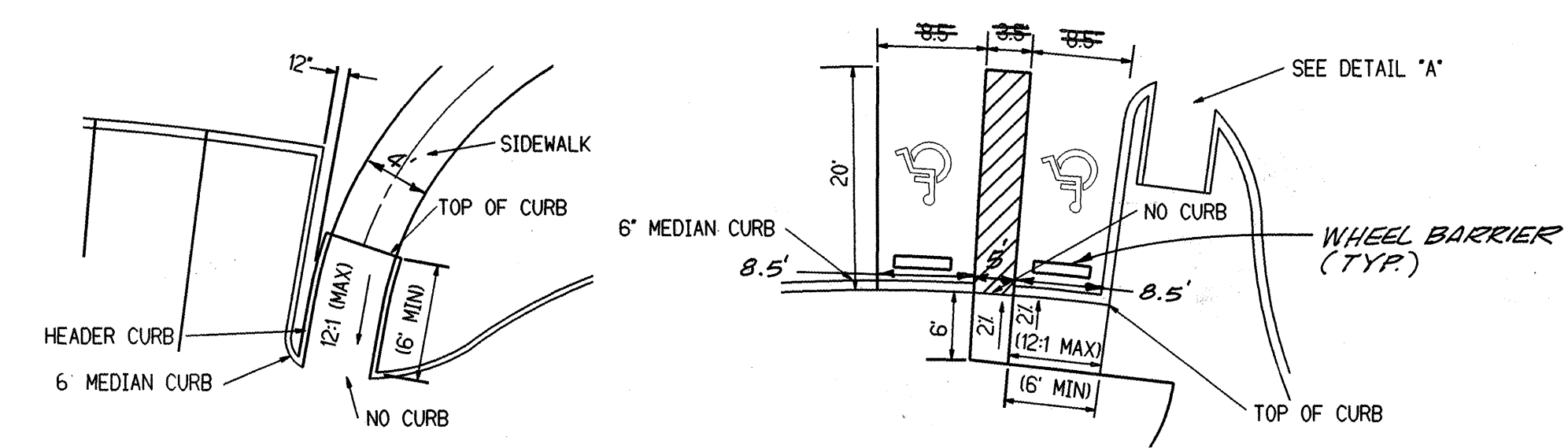
HIGH DESERT PROPOSED PARK SITE GRADING PLAN



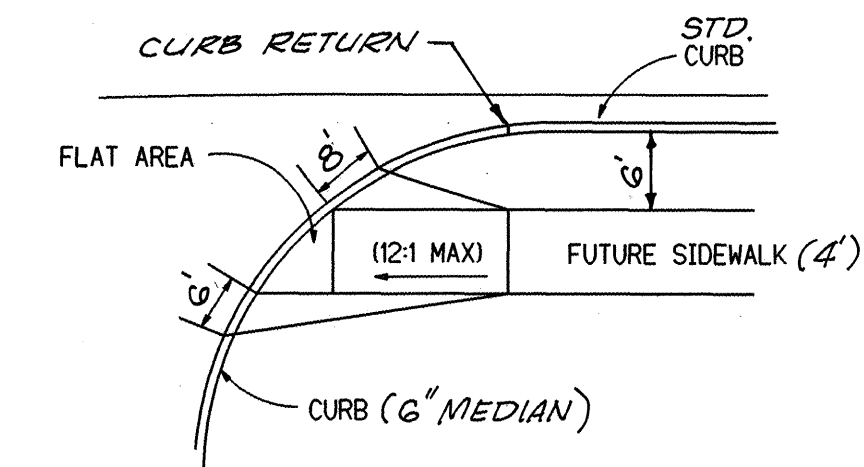
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED			

LAST DESIGN UPDATE	CITY PROJECT NO.	ZONE M/P NO.	SHEET	OF
	5163.91	E-23	4	30

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DATE:



WHEELCHAIR RAMP DETAIL "B"



NT

SD MH # 7
REMOVE EXISTING
24" CAP AND
BUILD 1- 4' DIA.
TYPE "E" SD MH

EXIST. SD MH # 1
1- 4' DIA. TYPE "E"
RIM. 61.50 +/-
INV. (N) 52.06 +/-
INV. (SE) 53.08 +/-

EXIST. 42" SD

SD INLET # 4
X=427805.11, Y=1511074.32
BUILD 1-SINGLE GRATE
TYPE "D" INLET
GRATE 59.00, INV 55.25

SD MH # 6
BUILD 1- 4' DIA.
TYPE "E" SD MH

CORTADERIA

ROAD

(T 11)

50' PUBLIC STORM DRAINAGE EASEMENT

Diagram showing a utility access lane with a path and a utility access lane.

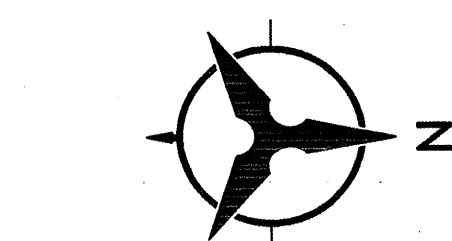
MATCHLINE
SHEET 1 OF 30

↓ MATCHLINE
↓ SEE SHEET 1 OF 30

FOR INFORMATION ONLY

EXISTING STORM DRAIN MANHOLE DATA				
NUMBER	TYPE	X	Y	RIM ELEV. INVERT
MH# 1	TYPE "E"	427754.52	1511055.26	6061.50 (N) 52.06, (SE) 53.08

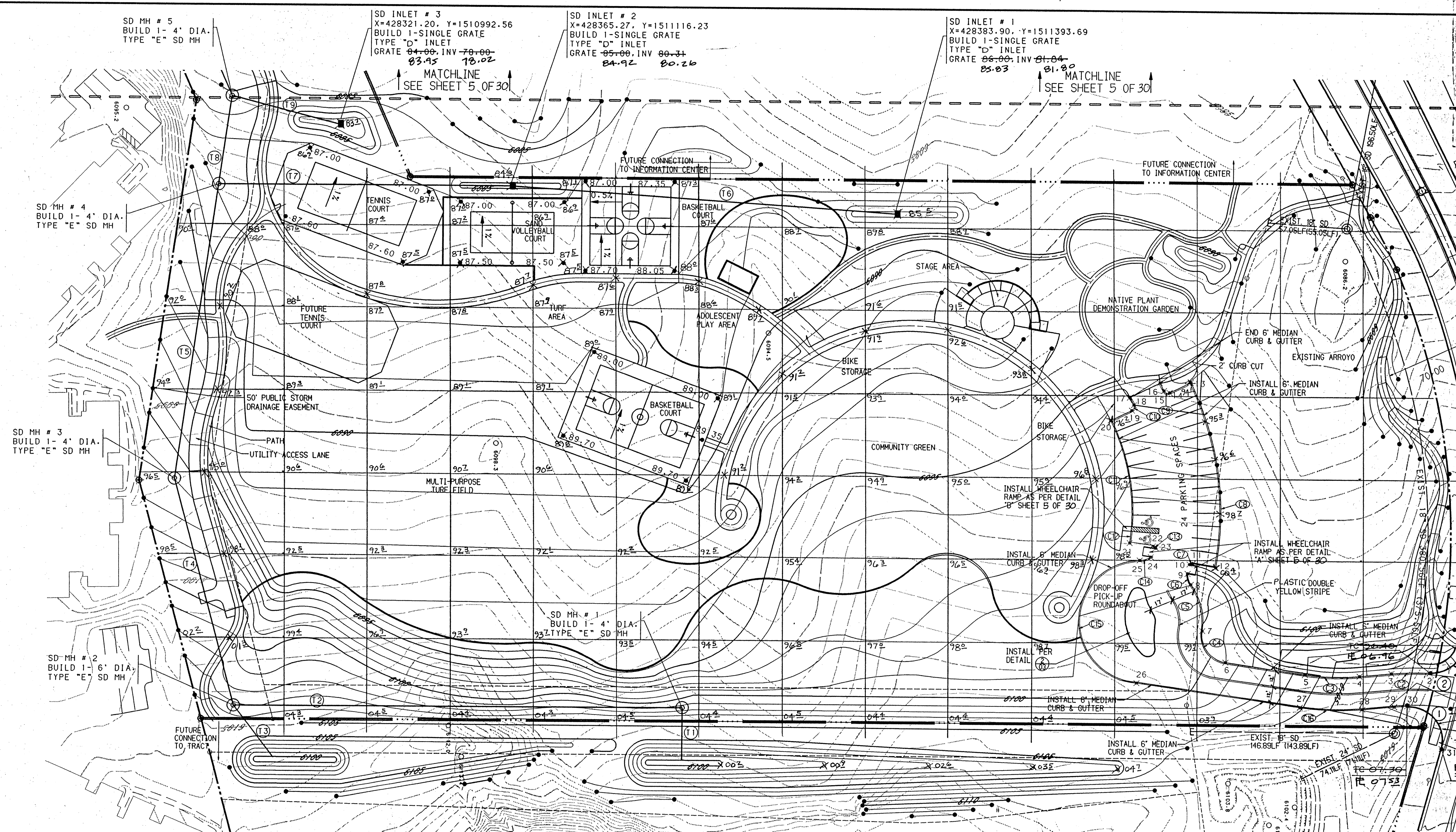
NOTE: FOR GRADING INFORMATION
REFER TO THE APPROVED
GRADING AND DRAINAGE PLAN
(STAMP DATED 10-15-97)



40 20 0

SCALE: 1" = 40'

USERNAME: CDP4:[C97164A03.PAD]SHT2.GRF



MEDIAN CURB POINTS TABLE			
1	428694.04546	1511806.90453	
2	428715.47833	1511780.92485	
3	428716.09089	1511753.47116	
4	428718.24732	1511730.56863	
5	428717.32341	1511691.23500	
6	428709.19276	1511633.89199	
7	428686.48451	1511616.91200	
8	428652.80988	1511608.28770	
9	428644.93725	1511605.90729	
10	428638.35765	1511606.04049	
11	428637.45310	1511609.41717	
12	428640.36733	1511626.10723	
13	428504.94184	1511607.39923	
14	428512.34060	1511592.06940	
15	428510.98212	1511588.08296	
16	428505.47859	1511585.22062	
17	428515.92257	1511563.58123	
18	428521.33027	1511566.42330	
19	428525.38205	1511565.04820	
20	428532.76014	1511549.76120	
21	428624.31721	1511563.87399	
22	428626.59613	1511500.59666	
23	428627.92375	1511582.59160	
24	428634.10652	1511577.11296	
25	428635.45634	1511571.39855	
26	428724.38553	1511570.08413	
27	428741.08574	1511687.86575	
28	428742.14163	1511732.81847	
29	428739.98248	1511755.74972	
30	428739.99169	1511765.09846	
31	428770.75942	1511789.54330	

MEDIAN CURB CURVE DATA TABLE					
NUMBER	DELTA	TANGENT	LENGTH	RADIUS	CHORD BEARING
C1	84°41'22.7"	22.21'	36.03'	25.00'	N05°18'37"E
C2	8°12'5.9"	13.77'	27.48'	192.00'	N81°47'54"E
C3	13°26'56.9"	19.81'	39.43'	168.00'	S76°33'03"E
C4	90°17'7.5"	20.10'	31.52'	20.00'	N00°17'08"W
C5	45°26'28.7"	18.84'	35.69'	45.00'	N44°33'31"E
C6	28°23'16.7"	4.24'	8.31'	16.77'	N61°36'43"E
C7	52°28'11.4"	1.23'	2.29'	2.50'	N37°31'49"E
C8	35°47'49.4"	71.83'	138.96'	222.42'	N54°12'11"E
C9	89°9'47.5"	2.96'	4.67'	3.00'	N00°50'12"E
C10	90°58'47.7"	3.05'	4.76'	3.00'	N00°58'48"W
C11	29°7'8.2"	41.14'	80.51'	158.42'	N60°52'52"E
C12	3°4'28.7"	4.25'	8.50'	158.42'	N86°55'31"E
C13	47°13'49.8"	1.31'	2.47'	3.00'	N42°46'10"E
C14	32°10'59.9"	4.33'	8.43'	15.00'	N57°49'00"E
C15	175°45'14.4"	1200.42'	136.50'	44.50'	N85°45'14"W
C16	13°26'56.9"	22.64'	45.07'	192.00'	S76°33'03"E
C17	91°10'8.4"	24.88'	38.79'	25.00'	S01°10'08"W

STORM DRAIN MANHOLE DATA					
NUMBER	TYPE	X	Y	RIM ELEV.	INVERT
MH # 1	TYPE "E"	428744.96	1511243.44	6101.56	6094.50
MH # 2	TYPE "E"	428744.96	1510920.32	6103.27	6091.67
MH # 3	TYPE "E"	428580.06	1510876.33	6095.90	6085.90
MH # 4	TYPE "E"	428365.27	1510906.82	6087.82	6081.70
MH # 5	TYPE "E"	428300.80	1510915.97	6084.84	6077.12

STORM DRAIN LINE DATA					
NUMBER	BEARING	DISTANCE	SLOPE	RCP DIA.	INVERT
T1	S90°00'00"W	39.16'	15.32%	24"	(OUT) 6100.50
T2	N00°00'00"W	323.12'	0.85%	24"	6100.66
T3	N53°06'3.2"E	48.02'	18.22%	24"	(OUT) 6100.50
T4	S75°03'56"W	170.66'	3.43%	24"	6100.65
T5	N81°55'23"W	216.95'	3.06%	24"	
T6	N03°50'59"E	277.59'	0.55%	18"	
T7	N00°00'00"W	209.91'	0.50%	24"	
T8	N81°55'23"W	65.12'	3.21%	24"	
T9	N14°55'04"E	79.26'	1.05%	18"	

NOTE: FOR GRADING INFORMATION REFER TO THE APPROVED GRADING AND DRAINAGE PLAN (STAMP DATED 10-15-97)

1.5" ASPHALT CONCRETE TYPICAL FINISH COURSE PLACED AFTER ALL MANHOLE & VALVE COVERS/RINGS ARE SET TO GRADE. 1500 LBS. STABILITY. TYPE B GRADATION.

JACK COAT AS REQUIRED BY THE ENGINEER BETWEEN ALL ASPHALT/AGGREGATE MATERIAL LIFTS.

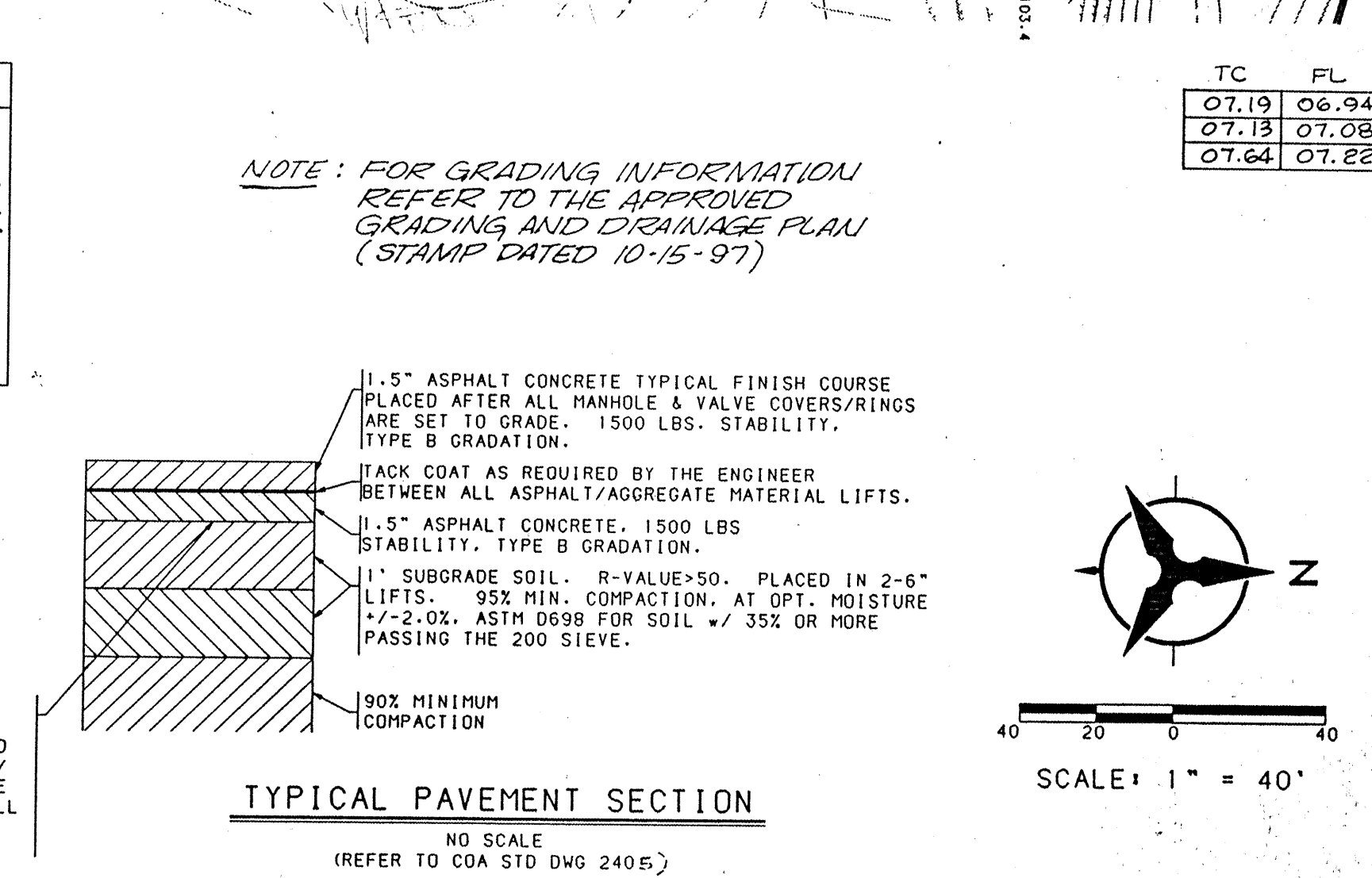
1.5" ASPHALT CONCRETE. 1500 LBS STABILITY. TYPE B GRADATION.

1" SUBGRADE SOIL. R-VALUE > 50. PLACED IN 2-6" LIFTS. 95% MIN. COMPACTION. AT OPT. MOISTURE +/- 2.0% ASTM D698 FOR SOIL +/- 35% OR MORE PASSING THE 200 SIEVE.

90% MINIMUM COMPACTION

TYPICAL PAVEMENT SECTION

NO SCALE (REFER TO COA STD DWG 2405)



I, David C. Clausen, New Mexico Professional Land Surveyor No. 6547, do hereby certify that the as-built information shown hereon is the result of a field survey performed by me or under my direct supervision, and that the same is true and correct.

David C. Clausen N.M.L.S. # 6547
5-08-98

DAVID C. CLAUSEN
NEW MEXICO
PROFESSIONAL LAND SURVEYOR
6547

* FIELD WORK PERFORMED ON 3-20-98
5-06-98

TIE SLOPE SHALL NOT EXCEED 5:1

STA. 73+28.92 24.00'RT TO STA. 74+24.08 24.00'RT ACADEMY RD. REMOVE AND DISPOSE OF TEMPORARY AND STD C & G

STA. 73+28.92 24.00'RT TO STA. 74+42.35 24.00'RT ACADEMY RD. INSTALL STD. CURB AND GUTTER AS PER STD. DWG 2415

STA. 73+28.92 24.00'RT TO STA. 74+24.08 24.00'RT ACADEMY RD. NEATLY SAW CUT 12" WIDE STRIP AROUND EXISTING CAS. REMOVE AND REPLACE APPROX. 92.05LF ASPHALT

INSTALL WHEEL CHAIR RAMP AS PER COA STD. DWG 2441 CASE II

TRANSITION STD. CURB AND GUTTER TO 6" MEDIAN CURB AND GUTTER THROUGH RETURN

INSTALL CONCRETE VALLEY GUTTER AS PER COA STD. DWG 2420

TRANSITION STD. CURB AND GUTTER TO NO CURB AND GUTTER THROUGH RETURN

INSTALL WHEEL CHAIR RAMP AS PER DETAIL "C" SHEET 5 OF 30

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REMARKS		DESIGN		NO. DATE		BY		DATE		DESIGNED BY		DRAWN BY		CHECKED BY		DATE		DATE		DATE		
A STD. ACS BRASS TABLE STAMPED "1-024" CEMENTED IN TOP OF 2" IRON PIPE PROJECTING 1 FT. ABOVE GROUND APPROX. TWO MILES NORTH OF MONTGOMERY BLVD. AND ONE MILE EAST OF TRAMWAY BLVD.																														

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ALBUQUERQUE, N.M. 87111

HIGH DESERT INVESTMENT CORP.
13000 ACADEMY ROAD, N.E.
ALBUQUERQUE, N.M. 87111

HIGH DESERT PROPOSED PARK SITE GRADING PLAN

DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL
MO/DAY/YR
MO/DAY/YR

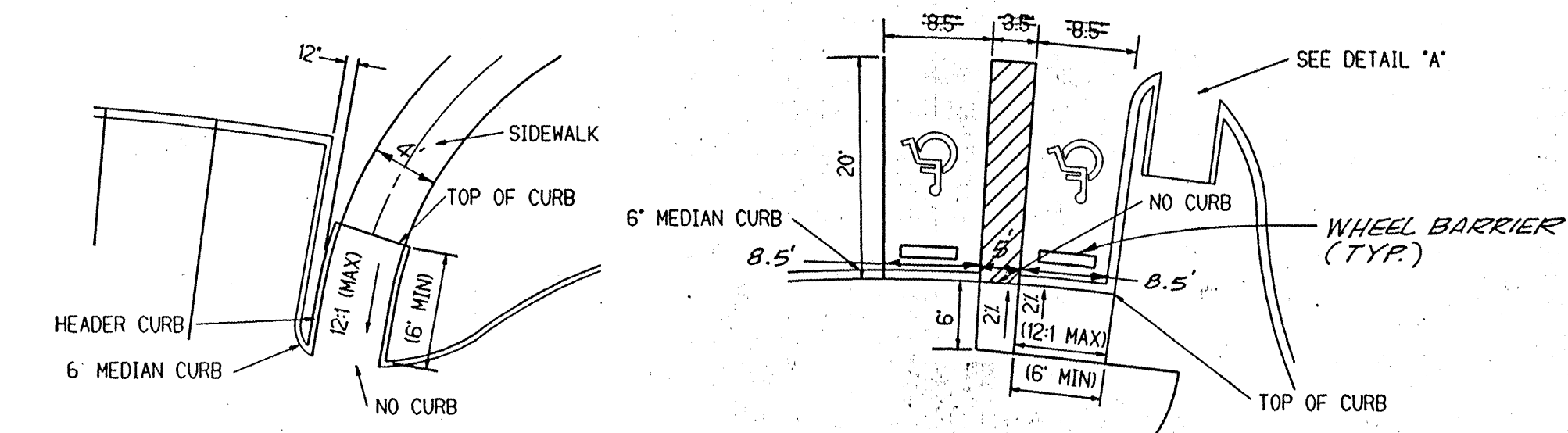
CITY PROJECT NO. 5163.91
ZONE MAP NO. E-23
SHEET CI 4 OF 30

DESIGNED BY KGP
DRAWN BY BS
CHECKED BY KP

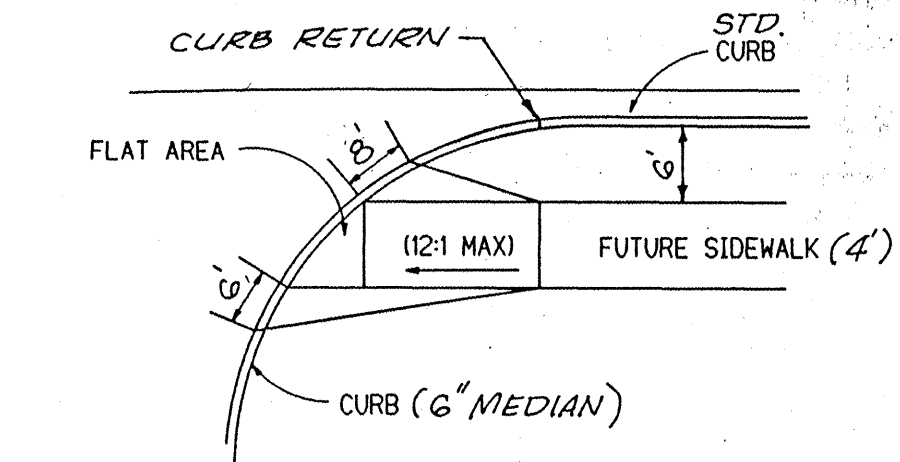
DATE 8/97
DATE 8/97
DATE 8/97

LAST DESIGN UPDATE
FEB 2019

BOHANNAN-HUSTON, INC. 1996



WHEELCHAIR RAMP DETAIL "B"



WHEELCHAIR RAMP DETAIL "C"

and correct.

David C. Clausen

David C. Clausen N.M.L.S. # 6547

5-08-90



EXISTING STORM DRAIN MANHOLE DATA					
NUMBER	TYPE	X	Y	RIM ELEV.	INVERT
MH# 1	TYPE "E"	427754.52	1511055.26	6061.50	(N) 52.06, (SE) 53.08

USERNAME: CDP41[C97164A03.PAD]SHT2.GR



KEYED NOTES:

- ① 8' PATH. INSTALL PER C.O.A. DETAIL #2720
INSTALL EXPANSION JOINTS PER DETAIL 7,
SHEET D5, 27 OF 30.
- ② 6' PATH. INSTALL PER DETAIL 6, SHEET D3.
25 OF 30.
- ③ DECOMPOSE GRANITE PATH. INSTALL PER
DETAIL 7, SHEET D3, 25 OF 30.
- ④ 8' GRAVEL UTILITY ACCESS ROAD. INSTALL PER
DETAIL 11, SHEET D3, 25 OF 30.
- ⑤ SMALL BOULDERS INTEGRATED WITH CONCRETE
CURB. INSTALL PER DETAIL 2 SHEET D3
25 OF 30.
- ⑥ 6" CONCRETE PAD.
- ⑦ 6" CONCRETE MOWCURB. INSTALL PER C.O.A.
DETAIL #2726.
- ⑧ ASPHALT SECTIONS TO BE REMOVED AND
DISPOSED.
- ⑨ REMOVABLE BOLLARDS. INSTALL PER DETAIL
C.O.A. DETAIL #2250.
- ⑩ 6' CONCRETE PATH. INSTALL PER C.O.A.
DETAIL #2720.
- ⑪ PROPOSED MEDIAN CURB. SEE SHEETS C1-
C2, 4-5 OF 30.
- ⑫A WHEELCHAIR RAMP. SEE DETAIL A, SHEET C2,
5 OF 30.
- ⑫B WHEELCHAIR RAMP. SEE DETAIL B, SHEET C2,
5 OF 30.
- ⑫C WHEELCHAIR RAMP. SEE DETAIL C, SHEET C2,
5 OF 30.
- ⑫D WHEELCHAIR RAMP. INSTALL PER C.O.A.
#2441, CASE 1.
- ⑬ 3" SANTA FE BROWN ROCK MULCH.
- ⑭ BENCH TYP. 1 OF 7 TOTAL. INSTALL PER
DETAIL 5, SHEET D4, 26 OF 30.
- ⑮ PICNIC TABLE TYP. 1 OF 7 TOTAL. INSTALL
PER DETAIL 4, SHEET D4, 26 OF 30.
- ⑯ PATH BY OTHERS. TO NORTH PROPERTY
LINE.
- ⑰ 6' PATH INSTALL PER DETAIL 8, SHEET D3,
25 OF 30.
- ⑱ CONCRETE SURFACE. INSTALL PER C.O.A.
DETAIL #2720. INSTALL EXPANSION JOINTS
PER DETAIL 7, SHEET D5, 27 OF 30.
- ⑲ INSTALL 2" CONCRETE PAD, LT. BROOM FINISH.
- ⑳ INSTALL THICKENED EDGE PER C.O.A. DETAIL
#2728 WHERE SIDEWALK ABUTTS SAND PLAY
AREA.
- ㉑ EDGER WALL AT SAND PLAY AREA. INSTALL
PER C.O.A. DETAIL #2729.
- ㉒ DRY STREAM BED. 4-8" COBBLESTONE.
COLOR: SANTA ANA TAN.
- ㉓ 6' PATH. INSTALL PER DETAIL 5, SHEET D3.
- ㉔ CULVERT CROSSING TO BE COORDINATED WITH
OWNER. 12" CMP.
- ㉕ PAVEMENT SECTION. SEE DETAIL C1, 4 OF
30.

GENERAL NOTES:

- (A) LANDSCAPE ARCHITECT TO REVIEW LAYOUT OF ALL PATHS AND FORM WORK PRIOR TO INSTALLATION.
- (B) FOR PAVING STRIPING AND CURB DETAILS. SEE SHEETS C1-C2, 4-5 OF 30.
- (C) ALL FINAL CONCRETE COLORS TO BE APPROVED BY OWNER.



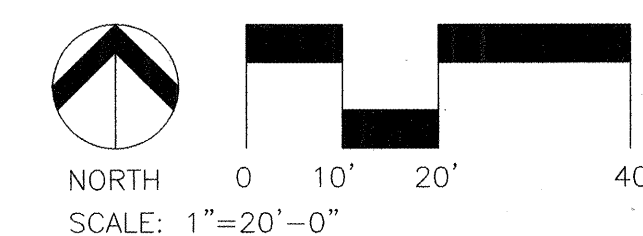
COORDINATE SCHEDULE:

B25	X=427980.4846/Y=1510916.6799
B26	X=427784.9459/Y=1511004.8616
D1	X=427991.5098/Y=1511022.4159/R=108.0'
D2	X=427703.1719/Y=1511051.0356/R=82.5'
D3	X=427983.4145/Y=1511105.7974/R=203.04'
G10	X=428544.2435/Y=1510453.4597/R=555.0'
G11	X=428156.8585/Y=150912.2986/R=45.5'
G12	X=428087.7326/Y=1510817.2836/R=72.0'
G13	X=428075.4128/Y=1511065.4780/R=176.5'
G14	X=427913.9125/Y=1510883.2422/R=67.0'
G15	X=427935.5019/Y=1511067.9813/Y=119.0'
G16	X=427747.8080/Y=1510811.2821/R=199.0'
G17	X=427780.8962/Y=1509111.2819/R=93.6663'

DESIGNWORKSHOP

9621 4TH STREET NW
Albuquerque, NM
87114

(Tel.) 505.890.1815
(Fax) 505.890.1817



TITLE:

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

HIGH DESERT LAYOUT PLAN

DESIGN REVIEW COMMITTEE

APPROVED

FEB 26 1968

DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

FAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.

CITY PROJECT NO.

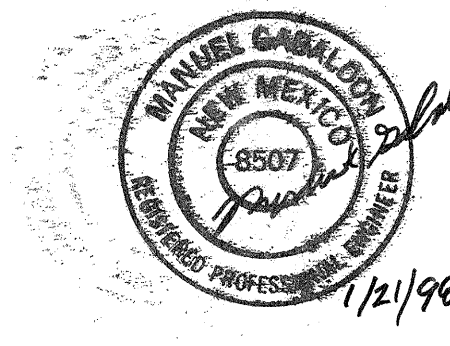
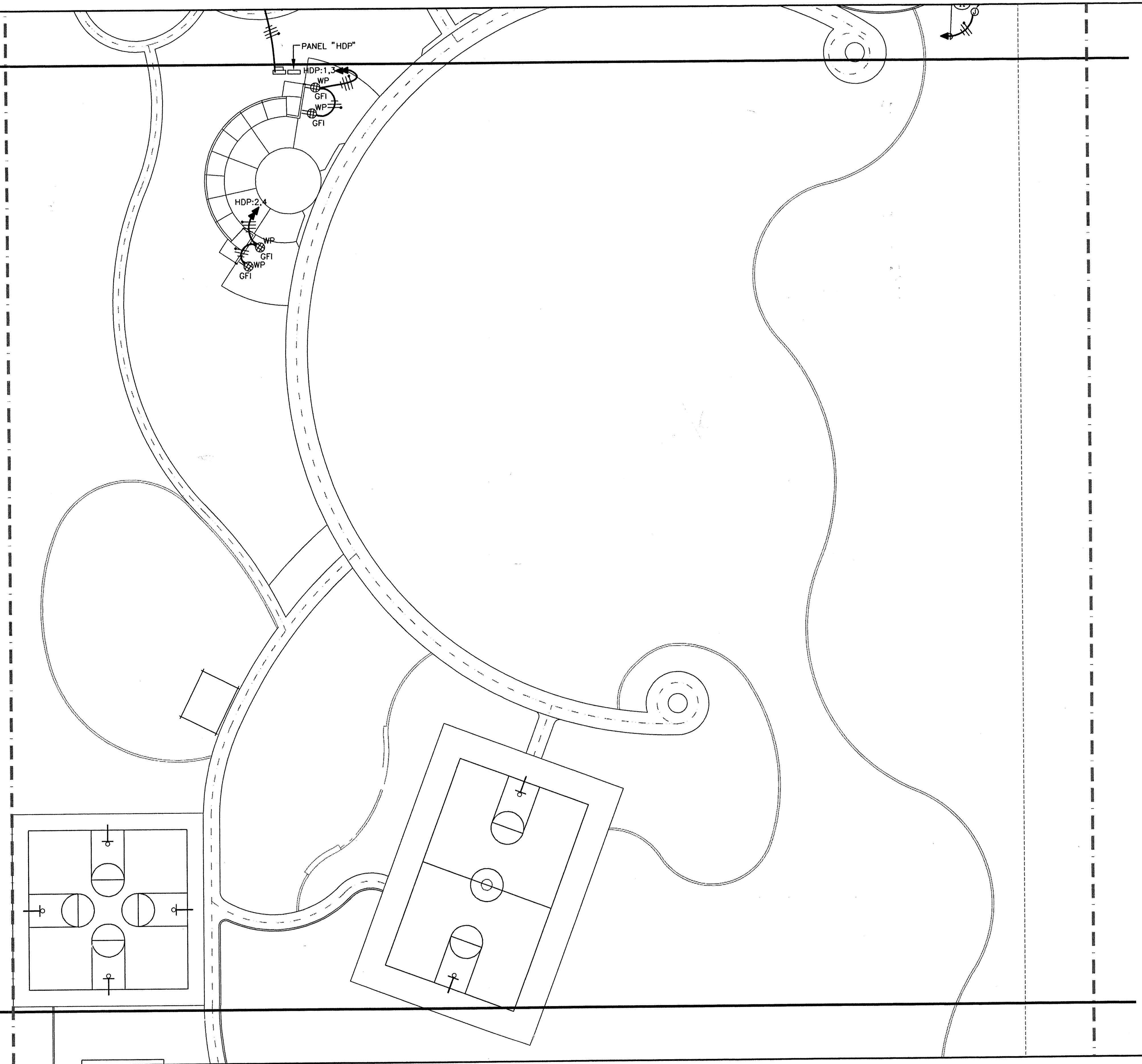
5163.91

ZONE MAP NO.
E-23-Z

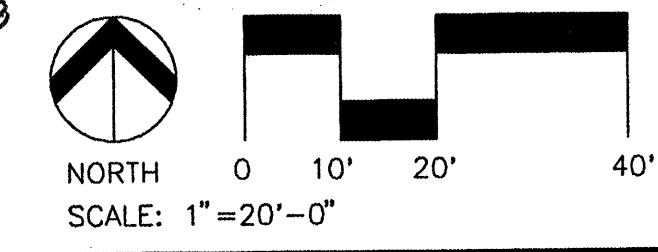
SHEET L4 OF 30

MATCHLINE A
MATCHLINE A

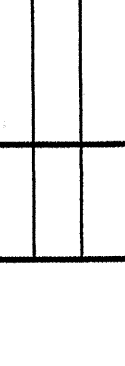
MATCHLINE B
MATCHLINE B

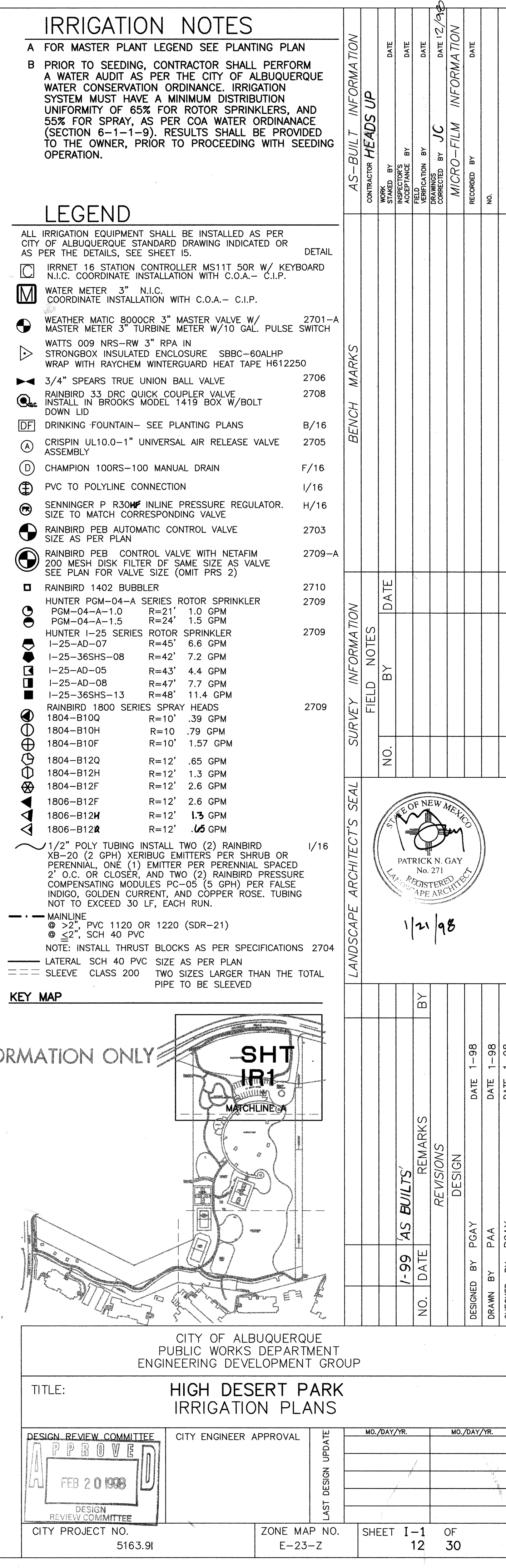


MOSHER ENTERPRISES, INC.
electrical engineers
4441 anheim ne
albuquerque, new mexico 87113
phone (505) 828-1008



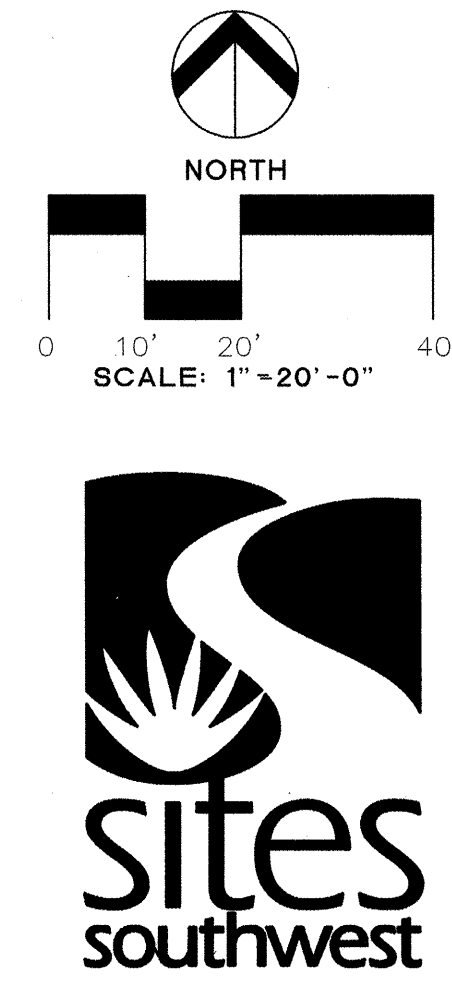
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: HIGH DESERT ELECTRICAL SITE PLAN			
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	DATE	MO/DAY/YR
		LAST DESIGN UPDATE	MO/DAY/YR
CITY PROJECT NO.	5163.91	ZONE MAP NO. E-23-Z	SHEET E2 11 of 30

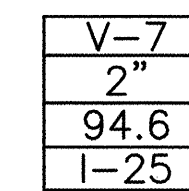
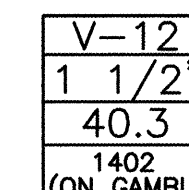
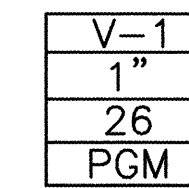
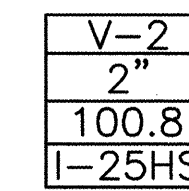
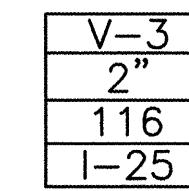
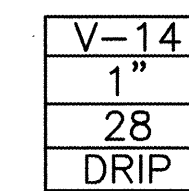
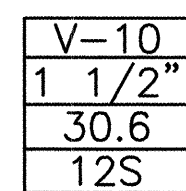
LANDSCAPE ARCHITECT'S SEAL				SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION		
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				NO.	BY	DATE				



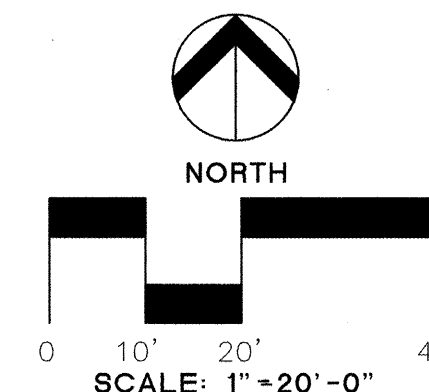
VALVE LEGEND	
V-5	VALVE NUMBER
2"	VALVE SIZE
53.6	GPM
DRIP	HEAD TYPE

PROGRAM	CALCULATED PRECIPITATION	RUN TIME IN MINUTES	CYCLES PER IRRIGATION	IRRIGATIONS PER MONTH	COMMENTS
1	.501"/ HR	60	2	14	TURFGRASS
2	.393"/ HR	76	2	14	TURFGRASS
3	.627"/ HR	48	2	14	TURFGRASS
4	.476"/HR	63	2	14	TURFGRASS
5	.670"/HR	45	2	14	TURFGRASS
6	.476"/HR	63	2	14	TURFGRASS
7	.670"/HR	45	2	14	TURFGRASS
8	2.01"/HR	15	2	14	TURFGRASS
9	1.52"/HR	20	2	14	TURFGRASS
10	2.01"/HR	15	2	4	NATIVE GRASSES
11	30	1	4	TREES ON BUBBLERS 15 GAL / WEEK	
12	40	1	4	TREES ON BUBBLERS 20 GAL / WEEK	
13	28	1	4	SHRUBS @ 9.3 GAL / MONTH	
14	28	1	4	SHRUBS @ 9.3 GAL / MONTH	
15	28	1	4	SHRUB/PEREN. @ 9.3 GAL / MONTH	
16	28	1	8	PERENNIALS @ 18.6 GAL / MONTH	





KEY MAP



	VALVE NO.	SIZE	HEAD/NOZZLE/RADIUS	DESCRIPTION	MAX. DEMAND	RUN TIME FOR 1/2" PRECIPITATION	
ROTOR	V1	1"	PGM/1.0Q/21' & 1.5/24'	TURF	26.0	60 MIN.	
	V2	2"	I-25HS/8F/42'	TURF	100.8	76 MIN.	
	V3	2"	I-25/3Q/40' & 7H/45'	TURF	116	48 MIN.	
	V4	2"	I-25HS/13F/48'	TURF	102.6	63 MIN.	
	V5	2"	I-25/5Q/43' & 8H/47'	TURF	101.2	45 MIN.	
	V6	2"	I-25HS/13F/48'	TURF	91.2	63 MIN.	
	V7	2"	I-25/5Q/43' & 8H/47'	TURF	94.6	45 MIN.	TOTAL F 6 HRS.
SPRAY	V8	1 1/2"	1804/12Q & 12H & 12F/12"	TURF	50.7	15 MIN.	
	V9	1 1/2"	1804/10Q & 10H & 10F/10"	TURF	35.3	20 MIN.	
	V10	1"	1804/12Q & 12H & 12F/12"	NATIVE GRASSES	30.6	15 MIN.	TOTAL 50 MIN
BUBBLER	V11	1 1/2"	1402 & 1401	TREES	56.5	USE 1401	FOR 1/2" PRECIPITATION
	V12	1 1/2"	1402 & 1401	TREES	40.3	USE 1401	FOR 1/2" PRECIPITATION
DRIP	V13	1 1/2"		SHRUBS	45		
	V14	1"		SHRUBS	28		
	V15	1"		SHRUBS/PERENNIALS	22		
	V16	1"		PERENNIALS	17		

VALVE LEGEND	
V-5	VALVE NUMBER
2"	VALVE SIZE
53.6	GPM
DRIP	HEAD TYPE


PIPE SIZING CHART		SCHEDULE 40
LATERALS SIZES AS	SHALL BE INDICATED BELOW	
MAXIMUM	DEMAND	
UP TO 8 GPM		3/4"
8 TO 12 GPM		1"
12 TO 22 GPM		1 1/4"
22 TO 30 GPM		1 1/2"
30 TO 50 GPM		2"
50 TO 70 GPM		2 1/2"
70 TO 110 GPM		3"
110 AND UP		4"

PROGRAM	CALCULATED PRECIPITATION	RUN TIME IN MINUTES	CYCLES PER IRRIGATION	IRRIGATIONS PER MONTH	COMMENTS
1	.501"/ HR	60	2	14	TURFGRASS
2	.393"/ HR	76	2	14	TURFGRASS
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15		28	1	4	SHRUB/PEREN. @ 9.3 GAL / MONTH
16		28	1	8	PERENNIALS @ 18.6 GAL / MONTH

AS-BUILT INFORMATION	
CONTRACTOR HEADS UP	
WORK STAKED BY	DATE
INSPECTOR'S ACCEPTANCE BY	DATE
DRAWINGS CORRECTED BY JC	DATE 12/1/88
VERIFICATION BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

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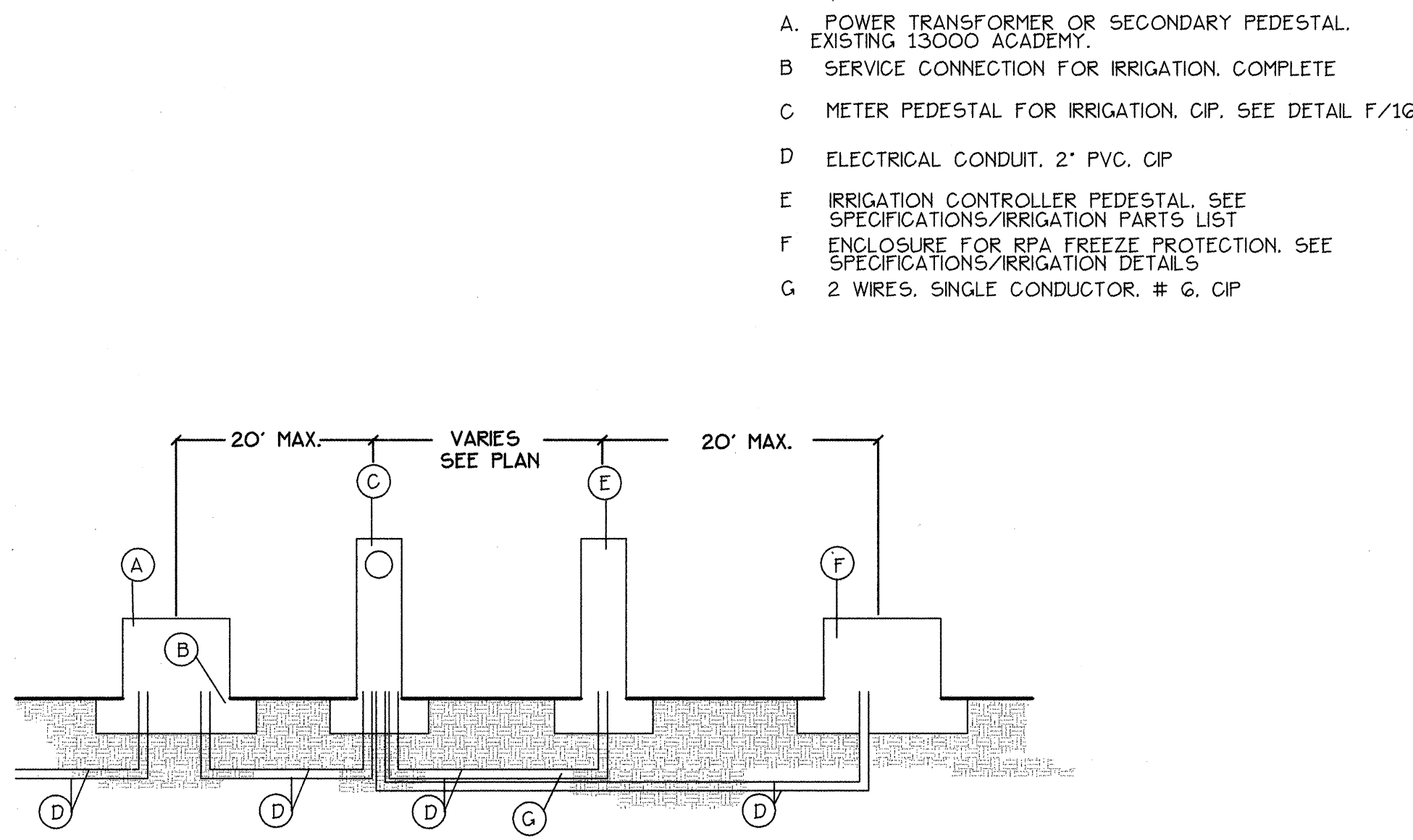
LANDSCAPE ARCHITECT'S SEAL



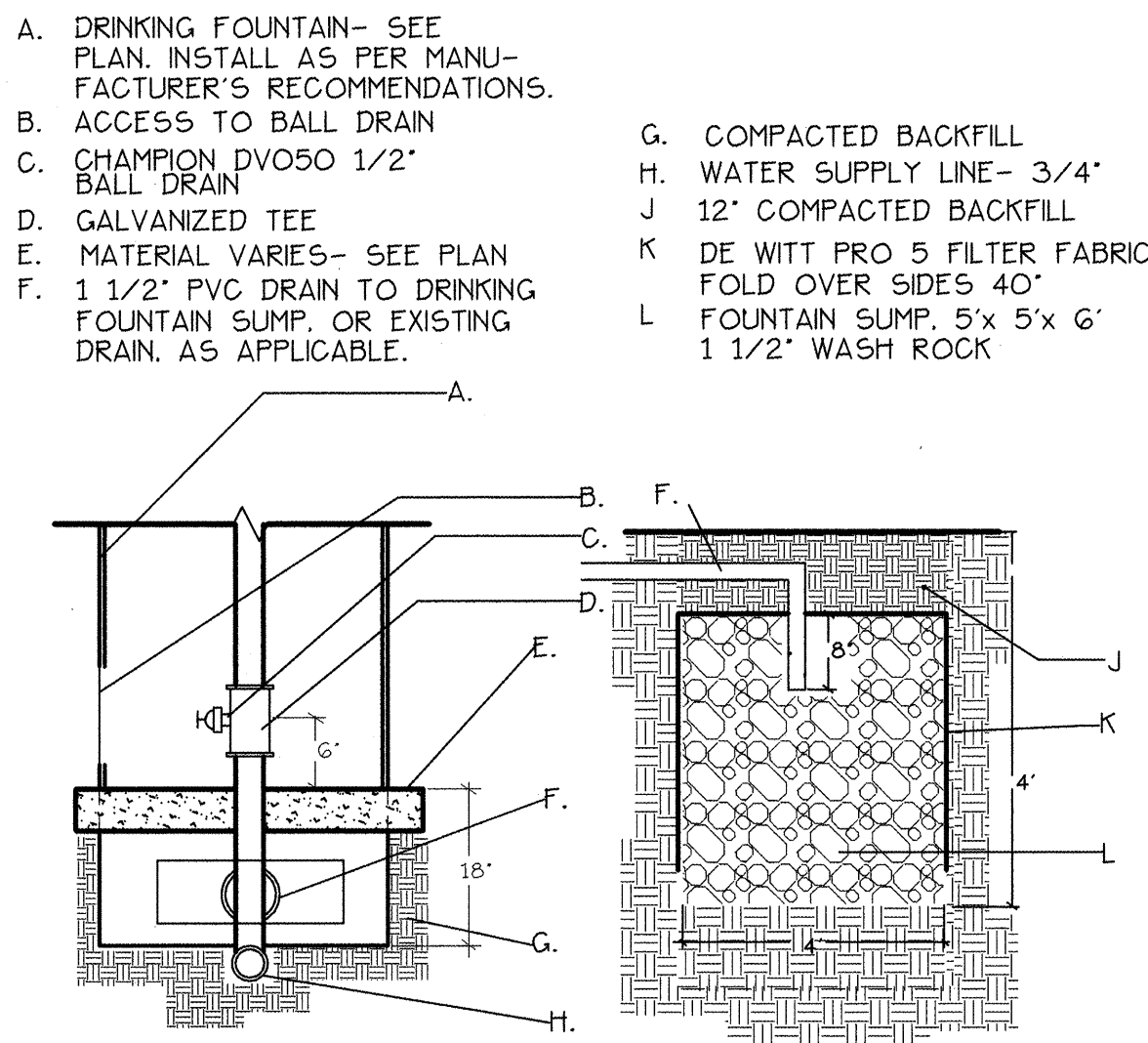
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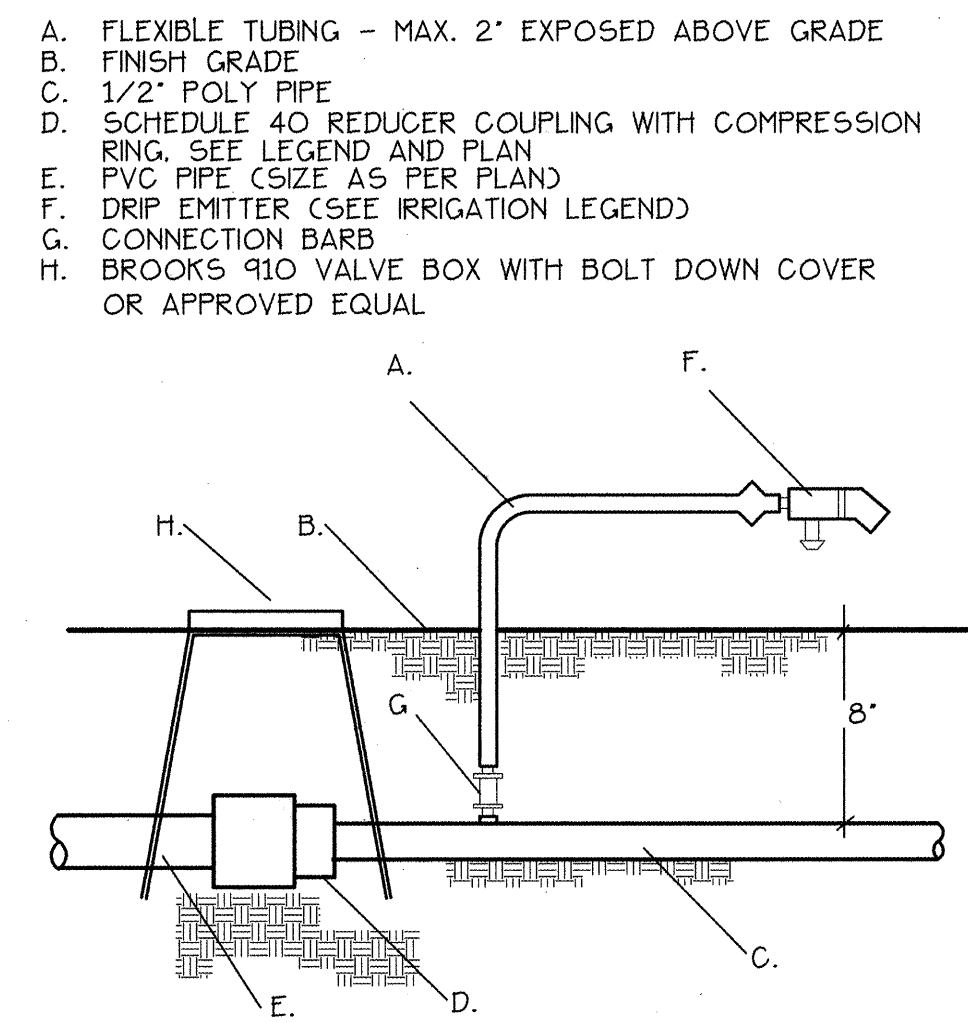
MO./DAY/YR.		MO./DAY/YR.	
SHEET 1-2		OF	
13		30	



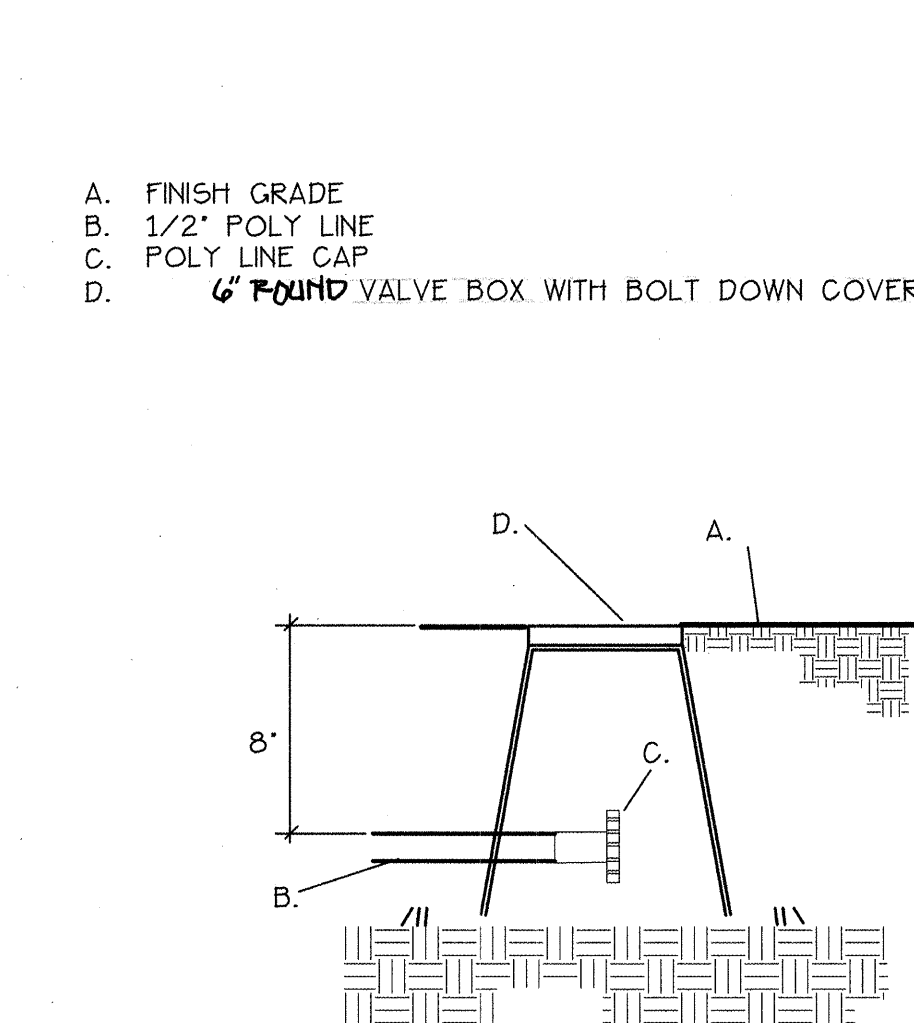
A ELECTRIC SERVICE FOR IRRIGATION DETAIL
NOT TO SCALE



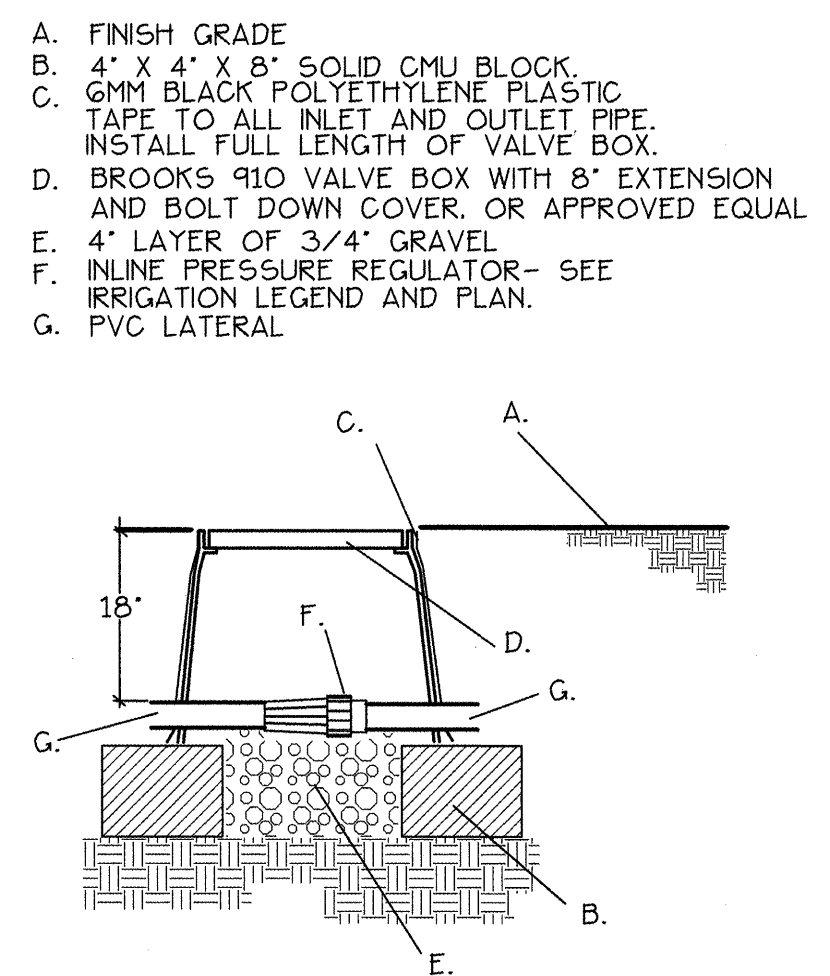
B DRINKING FOUNTAIN SUPPLY, DRAIN AND SUMP
NOT TO SCALE



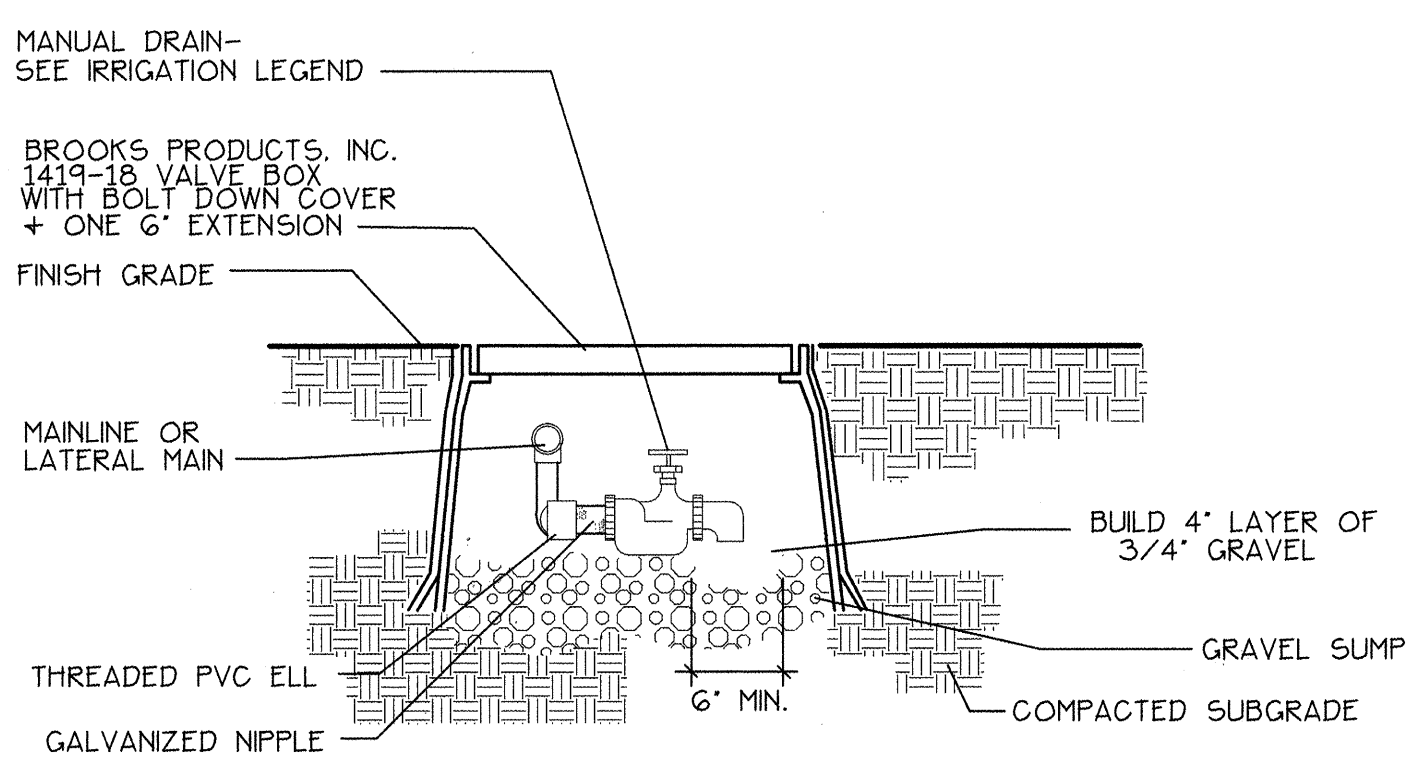
C PVC / POLY PIPE CONNECTION
NOT TO SCALE



D POLY END CAP
NOT TO SCALE



E INLINE PRESSURE REGULATOR
NOT TO SCALE



F MANUAL DRAIN
NOT TO SCALE

GENERAL NOTES

- CONTRACTOR SHALL BE FAMILIAR WITH PLANS, DETAILS AND SPECIFICATIONS AS THEY PERTAIN TO THE SITE. ALL WORK SHALL COMPLY WITH CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, THROUGH UPDATE #6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE PROJECT MANAGER IF ANY ITEMS CONTAINED WITHIN THE SCOPE OF WORK DEFINED HEREIN ARE IN CONFLICT WITH THE PROPOSED CONTRACT.
- EXISTING UTILITY LINES ARE TO BE BLUE STAKED PRIOR TO EXCAVATION FOR PLANT MATERIALS AND IRRIGATION SYSTEM. CHECK AND FIELD VERIFY ALL SITE CONDITIONS, UTILITIES AND SERVICES PRIOR TO EXCAVATION. CALL N.M. ONE CALL AT 260-1990 FOR BLUE STAKING. IF PROBLEMS ARE DISCOVERED, CONTACT OWNER'S REPRESENTATIVE TO DETERMINE A COURSE OF ACTION.
- THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE EXISTING UTILITY LINES TO REMAIN WITHIN THE CONSTRUCTION AREA. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE AND APPROVED BY THE PROJECT MANAGER.
- CONTRACTOR SHALL PROTECT NEWLY GRADED AREAS FROM TRAFFIC AND EROSION. KEEP AREAS FREE OF TRASH AND DEBRIS. REPAIR AND RE-ESTABLISH GRADES IN SETTLED, ERODED AND RUTTED AREAS AT THE CONCLUSION OF EACH CONSTRUCTION SEQUENCE OR AS DIRECTED BY THE OWNERS REPRESENTATIVE.
- CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE PROPERTY AND/OR PROJECT LIMITS. ANY DAMAGE TO ADJACENT PROPERTIES RESULTING FROM THE CONSTRUCTION PROCESS IS THE RESPONSIBILITY OF THE CONTRACTOR. ANY COSTS INCURRED FOR REPAIRS SHALL BE THE COST OF THE CONTRACTOR.

IRRIGATION NOTES

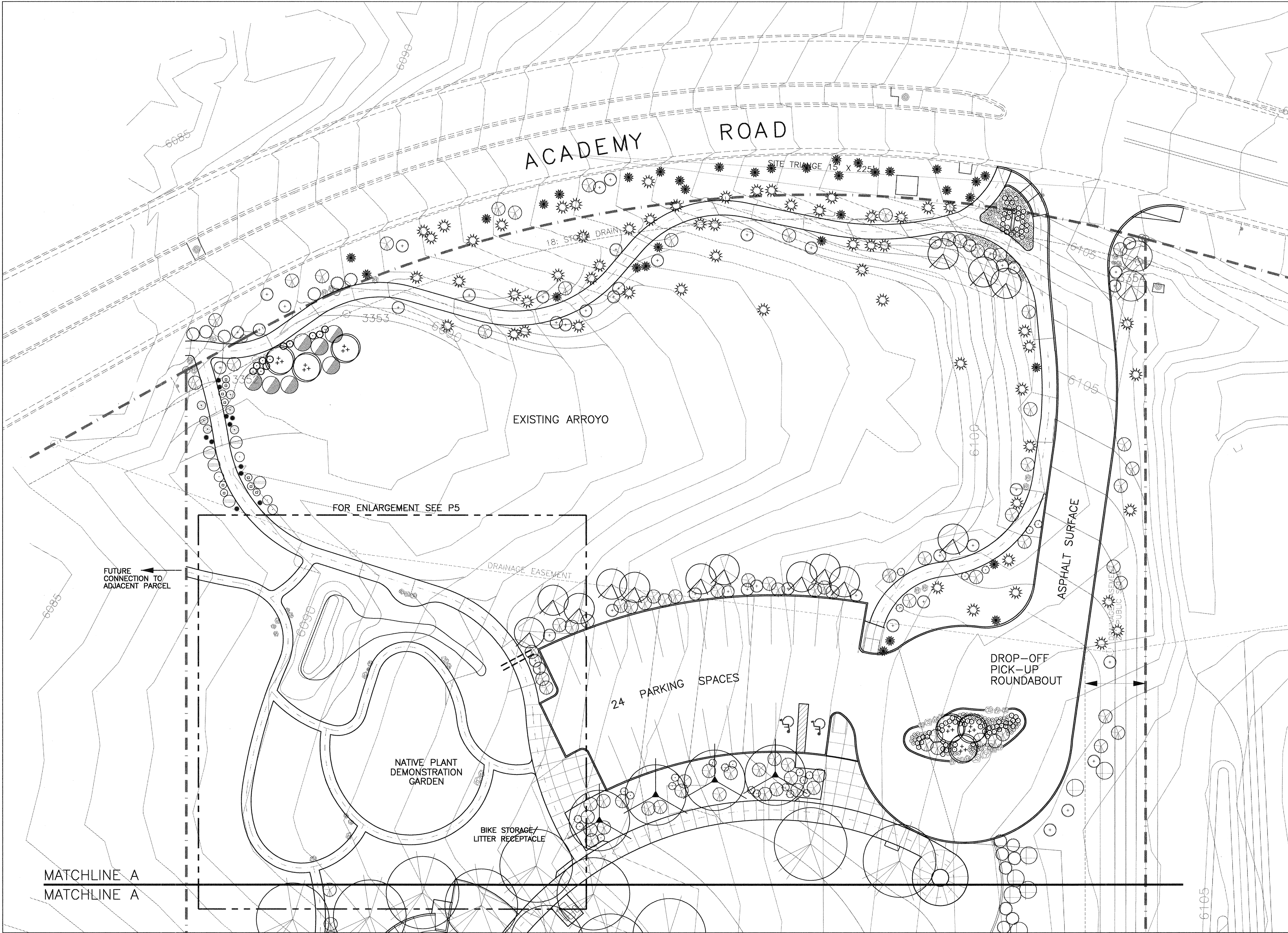
- OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED ACCESS. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE PUBLIC RIGHT-OF-WAY.
- THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS FOR THE PROJECT PRIOR TO COMMENCING CONSTRUCTION (I.E., BARRICADING, TOPSOIL DISTURBANCE, EXCAVATION, ETC.)
- THE CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE AT HIS EXPENSE ANY AND ALL PROPERTY CORNERS DESTROYED DURING CONSTRUCTION. ALL PROPERTY CORNERS MUST BE RESET BY A REGISTERED LAND SURVEYOR.
- ENTIRE SITE SHALL BE CLEARED OF ANY TRASH, RUBBISH OR OTHER FOREIGN MATERIAL NOT ENDEMIC TO THE SITE OR PART OF PARK DESIGN, PRIOR TO FINAL ACCEPTANCE.
- COMPLY WITH REQUIREMENTS OF THE C.O.A. SPECIFICATIONS, THE UNIFORM PLUMBING CODE, AND ANY OTHER GOVERNMENTAL BODIES HAVING JURISDICTION.
- WHERE TREES, LIGHT STANDARDS, ETC. ARE AN OBSTRUCTION OF PIPING AND DRIP EMITTERS, THEY SHALL BE ADJUSTED AND/OR RELOCATED AS NECESSARY TO OBTAIN FULL COVERAGE WITHOUT EXCESSIVE OVERFLOW.
- PLANS ARE DIAGRAMMATIC AND APPROXIMATE DUE TO SCALE OF DRAWINGS. ALL VALVES SHALL BE LOCATED IN PLANTING AREAS WHERE SHOWN AND ALL PIPING SHALL BE INSTALLED PRIOR TO LANDSCAPING OR PAVING WORK. NO TEES, ELLS OR OTHER TURNS IN PIPING SHALL BE LOCATED UNDER PAVING. CAP ALL ENDS HAND TIGHT, PRIOR TO BACKFILL.

- TRENCHES SHALL BE BACKFILLED AS PER SPECIFICATIONS.
- ALL VALVES TO BE IN APPROVED VALVE BOXES. LOCATE VALVE BOXES IN GROUPS OF TWO OR THREE AND NEAR WALKWAYS WHEREVER POSSIBLE.
- COORDINATE CONTROLLER PROGRAMS BY ZONE TO AVOID STATION TIME OVERLAP. TIME SCHEDULES BY ZONE SHOULD BE SUBMITTED TO PROJECT MANAGER AT THE FINAL ACCEPTANCE OF CONSTRUCTION.
- THE CONTRACTOR SHALL BE LIABLE FOR ANY LOSS OR DAMAGE TO ANY WORK OR MATERIALS, SUPPLIES AND EQUIPMENT ON THE JOB SITE CAUSED BY THE CONTRACTOR, ITS EMPLOYEES OR ANY OTHER UNFORESEEN CAUSE UNTIL FINAL ACCEPTANCE OF PROJECT WITH THE OWNER'S REPRESENTATIVE.
- STATIC PRESSURE RANGES FROM 75-85 PSI. IRRIGATION SYSTEM WAS DESIGNED FOR 80 PSI. NOTIFY LANDSCAPE ARCHITECT IF ACTUAL FIELD CONDITIONS ARE NOT WITHIN THIS RANGE.
- ELECTRICAL POWER FOR IRRIGATION CONTROLLER AND HEAT TAPE TO BE SUPPLIED BY EXISTING PNM TRANSFORMER, SEE PLAN.
- IRRIGATION LINES ARE SHOWN SCHEMATICALLY. ALL TRENCHING TO BE CONFINED TO DISTURBED AREAS. WHERE TRENCHING MUST GO THROUGH NATURAL AREAS, CONTACT LANDSCAPE ARCHITECT PRIOR TO THE START OF WORK.
- COMPONENTS AND PRODUCTS
 - IF THE CONTRACT DRAWINGS AND/OR SPECIFICATIONS DO NOT THOROUGHLY DESCRIBE THE METHOD OR TECHNIQUES TO BE USED FOR INSTALLATION, THEN THE CONTRACTOR SHALL FOLLOW THE INSTALLATION METHODS RECOMMENDED BY THE MANUFACTURER.
 - ALL PLANT MATERIALS INSTALLED SHALL HAVE THE AUTOMATIC IRRIGATION SYSTEM FULLY OPERABLE AT THE TIME OF PLANT INSTALLATION.

FOR INFORMATION ONLY



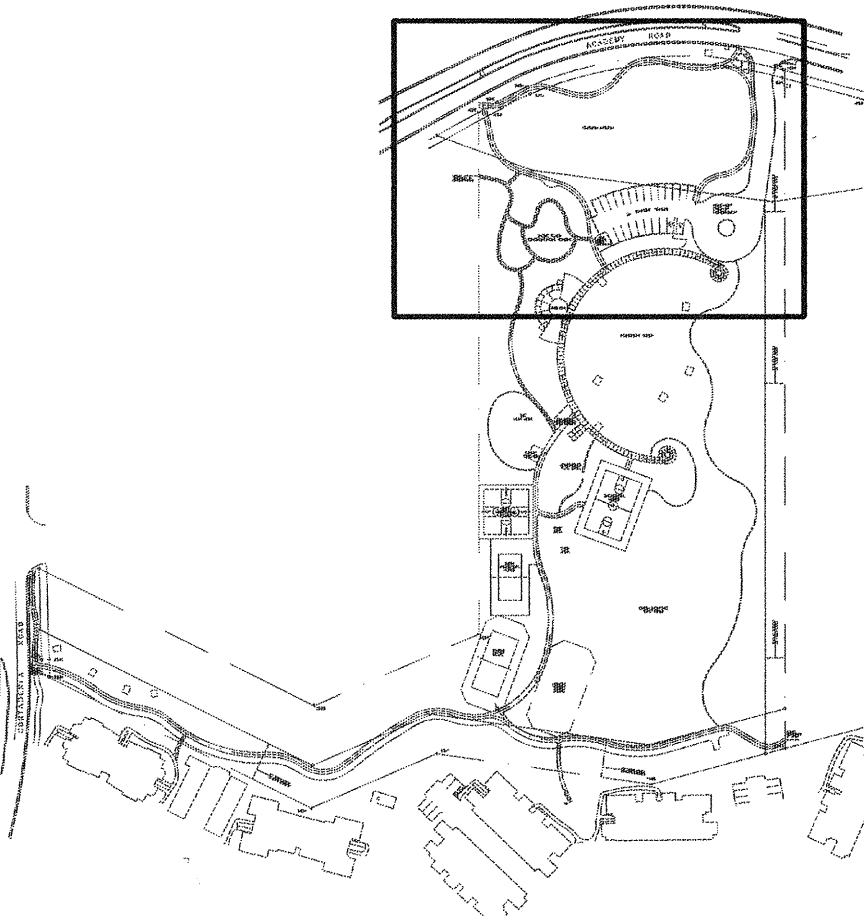
BOHANNAN-HUSTON INC. ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE ARCHITECTS ALBUQUERQUE LAS CRUCES SANTA FE	
CITY OF ALBUQUERQUE CAPITAL IMPLEMENTATION PROGRAM	
TITLE: HIGH DESERT PARK IRRIGATION DETAILS	
DESIGN REVIEW COMMITTEE APPROVED FEB 20 1998 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL LAST DESIGN UPDATE MO./DAY/YR. MO./DAY/YR.
CITY PROJECT NO. 5163.91	ZONE MAP NO. E-23-Z SHEET 15 OF 30



- GENERAL NOTES
- (A) FOR MASTER PLANT LEGEND AND SEEDING LEGEND, SEE SHEET P6.
 - (B) TREES TO BE PLANTED A MINIMUM OF 6' AWAY FROM FACE OF CURB.
 - (C) SHRUB, PERENNIALS, AND GRASS TO BE PLANTED A MINIMUM OF 2' AWAY FROM PAVED SURFACES.
 - (D) TREES PLANTED IN GRAVEL AREA TO HAVE 1" GRAVEL MULCH AT TRUNK, TRANSITIONING TO 3" AT EDGE OF ROOTBALL. TREES ARE LOCATED TO THE SOUTH OF THE PARKING LOT AND TO THE WEST OF THE BASKETBALL COURT.

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		FIELD NOTES		LANDSCAPE ARCHITECT'S SEAL		REVISIONS		BY		DATE	
CONTRACTOR	DATE	INSPECTOR	DATE	NO.	BY	NO.	BY	NO.	BY	NO.	BY	NO.	BY	NO.	BY

FOR INFORMATION ONLY



PLANT LEGEND

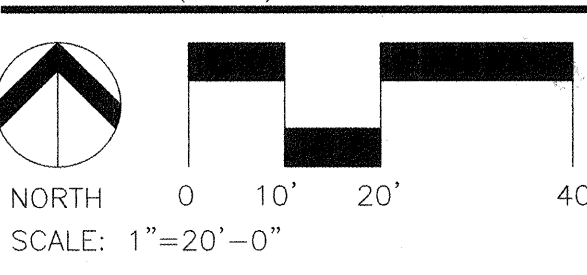
- TREES
- CERCIS RENIFORMIS
OKLAHOMA REDBUD
 - CHIOLOPSIS LINEARIS
DESERT WILLOW
 - FORESTIERA NEOMEXICANA
NEW MEXICO OLIVE
 - JUNP. SCOPULORUM 'BLUE HEAVEN'
ROCKY MT. JUNIPER 'BLUE HEAVEN'
 - PINUS ARISTATA
BRISTLECOCK PINE
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PINON PINE
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 - POPULUS ACUMINATA
LANCELEAF COTTONWOOD
 - QUERCUS GAMBELII
GAMBLE OAK
 - ROBINIA PSEUDOACACIA
PURPLE ROBE LOCUST

- SHRUBS
- AMELANCHIER UTAHENSIS
CHAMISA
 - UTAH SERVICEBERRY
AMORPHA FRUTICOSA
FALSE INDIGO
 - ARTEMISIA FILIFOLIA
THREADLEAF SAGE
 - ARTEMISIA FRIGIDA
FRINGE SAGE
 - ATRIPLEX CANESCENS
FOUR WING SALT BUSH
 - BERBERIS HAEMATOCARPA
ALGERITA
 - CERATOIDES LANATA
WINTERFAT
 - CERCOCARPUS MONTANUS
MOUNTAIN MAHOGANY
 - CHRYSOETHAMNUS NAUSEOSUS
CHAMISA
 - COWANIA MEXICANA
CLIFFROSE
 - ERICACERIA LARICIFOLIA
TURPENTINE BUSH
 - FALLUGIA PARADOXA
APACHE PLUME
 - HESPERALOE PARVIFLORA 'YELLOW'
YELLOW YUCCA
 - HESPERALOE PARVIFLORA 'RED'
RED YUCCA
 - LARREA TRIDENTATA
CREOSOTE BUSH
 - NOLINA TEXANA
BEAR GRASS

- PERENNIALS/GRASSES
- OPUNTIA IMBRICATA
CHOLLA
 - PRUNUS BESSEYI
SAND CHERRY
 - PSOROTHAMNUS SCOPARIUS
BROOM DALEA
 - RHUS TRILOBATA
THREELFEAF SUMAC
 - RIBES AUREUM
GOLDEN CURRENT
 - ROSA FOETIDA BICOLOR
AUSTRIAN COPPER ROSE
 - YUCCA BACCATA
SPANISH DAGGER
 - YUCCA GLAUCA
YUCCA
 - ALLIUM TUBEROSUM
GARLIC CHIVES
 - BERLANDIERA LYRATA
PAPERFLOWER
 - CHOCOLATE FLOWER
HELIOTRICHON SEMPERVIRENS
 - BLUE AVENA GRASS
LAVANDULA ANGUSTIFOLIA
ENGLISH LAVENDER
 - PENSTEMON AMBIGUUS
BUSH PENSTEMON
 - PENSTEMON PINIFOLIUS
PINELEAF PENSTEMON
 - PENSTEMON STRICTUS
ROCKY MOUNTAIN PENSTEMON

- PEROVSKIA ATRIPLICIFOLIA
RUSSIAN SAGE
- PSILOSTROPHE TAGETINA
PAPERFLOWER
- ROSMARINUS OFFICINALIS 'ARP'
ROSMARY 'ARP'
- SALVIA AZUREA GRANDIFLORA
PITCHER SAGE
- SEDUM 'AUTUMN JOY'
SEDUM TELEPHIUM 'AUTUMN JOY'
- SENECIO LONGILOBUS
SILVER GROUNDSEL
- THYMUS 'PSEUDOLANUGINOSIS'
WOOLLY THYME

DESIGNWORKSHOP
9621 4TH STREET NW
Albuquerque, NM 87114
(Tel.) 505.890.1815
(Fax) 505.890.1817



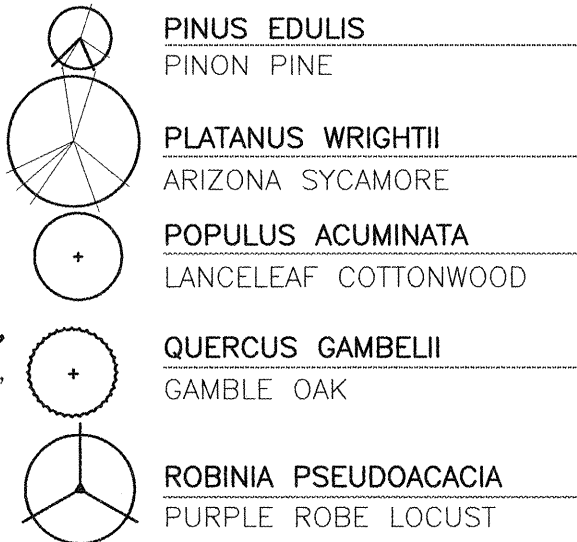
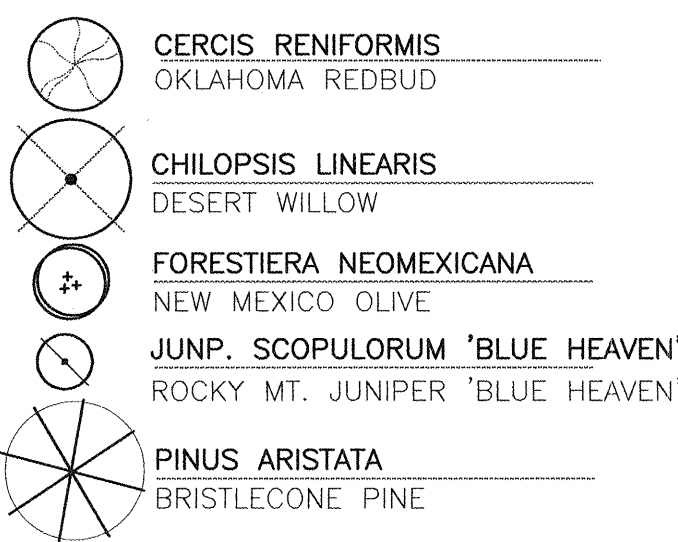
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:		HIGH DESERT PLANTING PLAN	
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.
APPROVED			
CITY PROJECT NO.	5163.91	ZONE MAP NO.	E-23-Z
SHEET	P1	OF	30

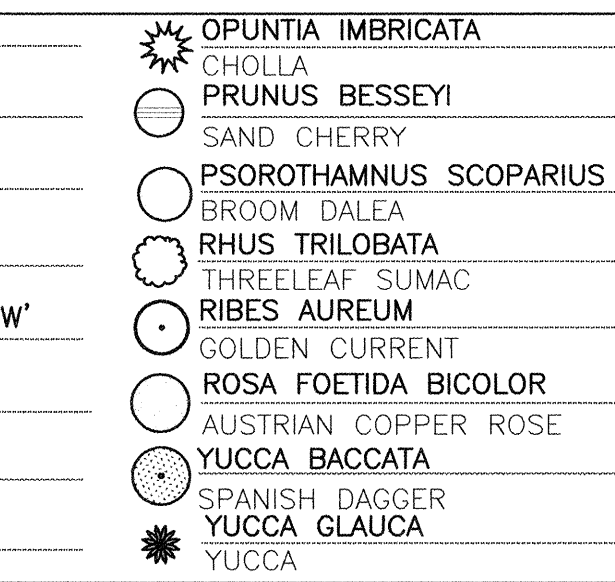
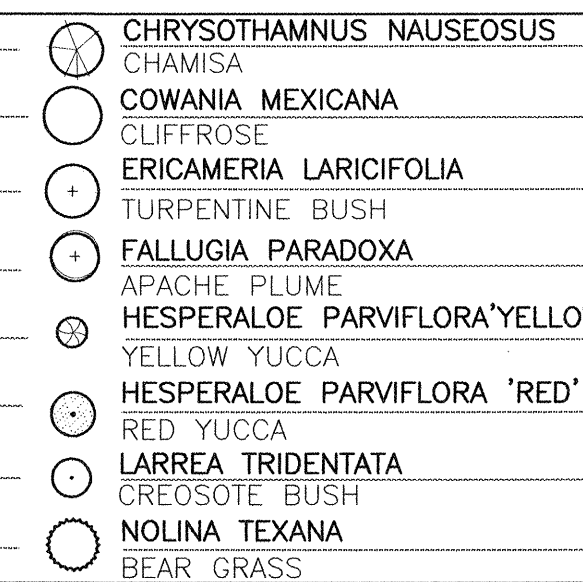
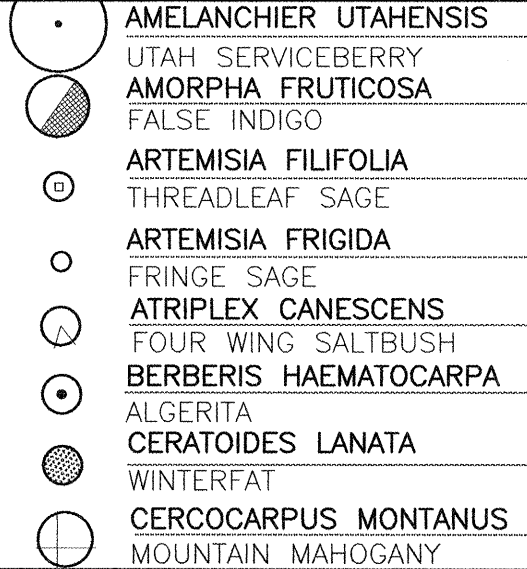
MATCHLINE A
MATCHLINE A

MATCHLINE B
MATCHLINE B

PLANT LEGEND
TREES



SHRUBS



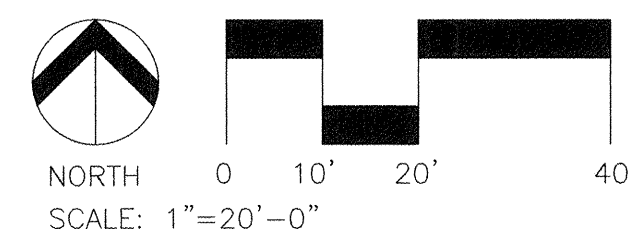
PERENNIALS/GRASSES



DESIGNWORKSHOP

9621 4TH STREET NW
Albuquerque, NM
87114

(Tel.) 505.890.1815
(Fax) 505.890.1817

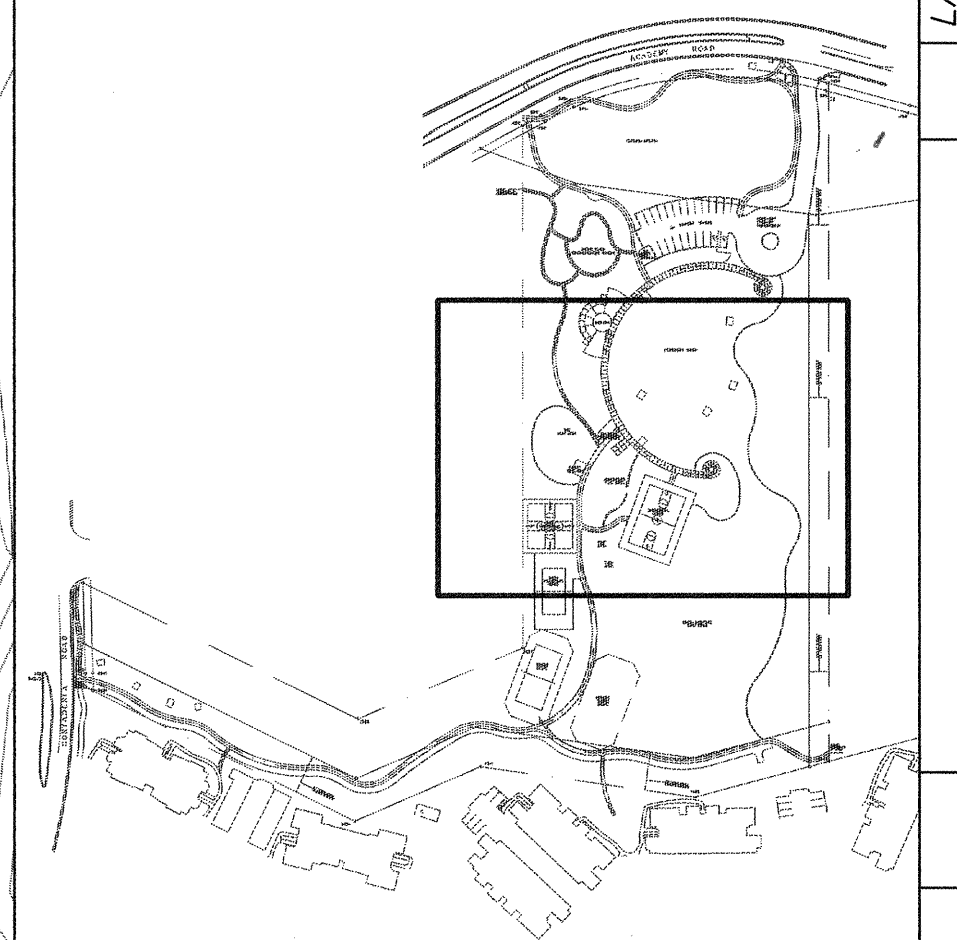


GENERAL NOTES

- (A) FOR MASTER PLANT LEGEND AND SEEDING LEGEND, SEE SHEET P6.
(B) TREES TO BE PLANTED A MINIMUM OF 6' AWAY FROM FACE OF CURB.
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FOR INFORMATION ONLY

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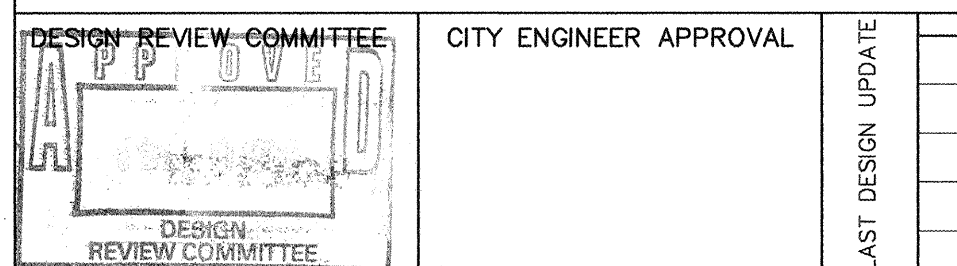


AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		LANDSCAPE ARCHITECT'S SEAL	
CONTRACTOR	DATE	NO.	BY	DATE	NO.	DATE	BY
INSPECTOR'S	DATE	NO.	BY	DATE	NO.	DATE	BY
ACCEPTANCE	DATE	NO.	BY	DATE	NO.	DATE	BY
VERIFICATION	DATE	NO.	BY	DATE	NO.	DATE	BY
DRAWINGS	DATE	NO.	BY	DATE	NO.	DATE	BY
REVISIONS	DATE	NO.	BY	DATE	NO.	DATE	BY
MICRO-FILM INFORMATION		REVISIONS		DESIGN		REVISIONS	
RECORDED BY		DESIGNED BY		DRAWN BY		CHECKED BY	
NO.		AD		WBT		WSP	
DATE		1-98		1-98		1-98	



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: HIGH DESERT PLANTING PLAN



CITY PROJECT NO. 5163.91

ZONE MAP NO. E-23-Z

SHEET P2 OF 30
18

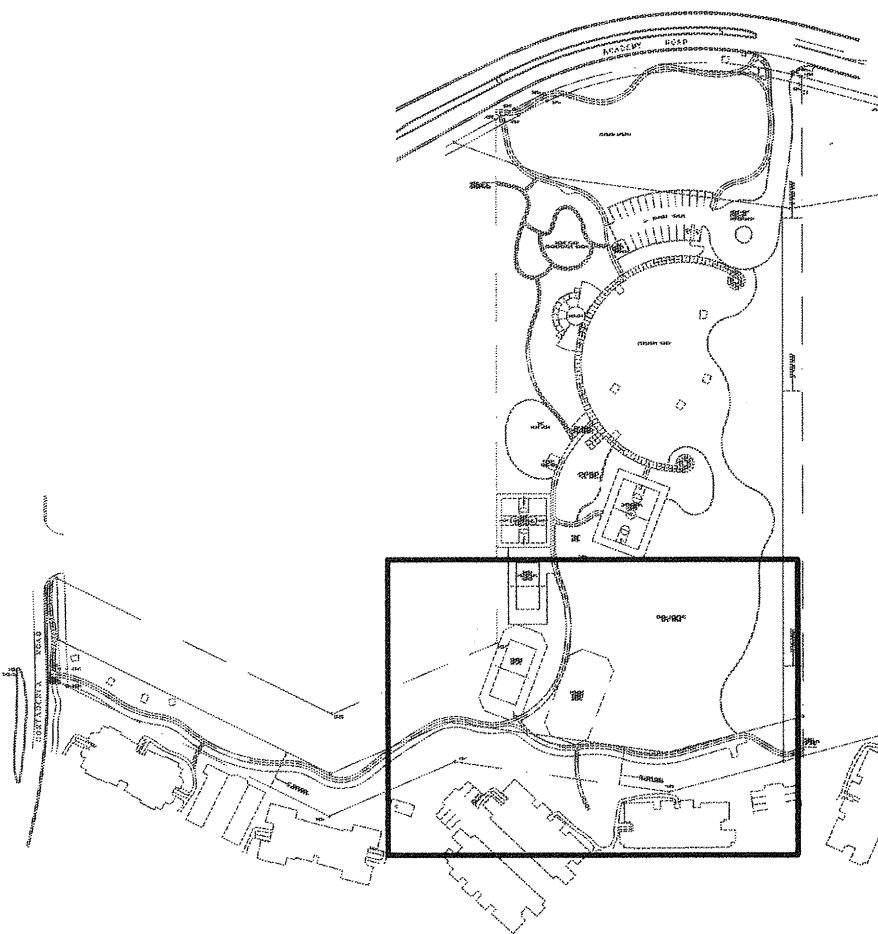


- GENERAL NOTES
- (A) FOR MASTER PLANT LEGEND AND SEEDING LEGEND, SEE SHEET P6.
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AS-BUILT INFORMATION			
CONTRACTOR			
WORK STARTED BY	DATE		
INSPECTOR'S APPROVAL BY	DATE		
FIELD VERIFICATION BY	DATE		
DRAWINGS CORRECTED BY	DATE		
MICRO-FILM INFORMATION			
RECORDED BY	DATE		
NO.			

FOR INFORMATION ONLY

FOR INFORMATION ONLY



REVISIONS				BY			
NO.	DATE	REVISIONS	DESIGN	NO.	DATE	REVISIONS	DESIGN
DESIGNED BY	AD	DATE	1-98	DESIGNED BY	AD	DATE	1-98
DRAWN BY	WBT	DATE	1-98	DRAWN BY	WBT	DATE	1-98
CHECKED BY	WSP	DATE	1-98	CHECKED BY	WSP	DATE	1-98

PLANT LEGEND

- TREES
- CERCIS RENIFORMIS
OKLAHOMA REDBUD
 - CHIOLOPSIS LINEARIS
DESERT WILLOW
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 - ARTEMISIA FRIGIDA
FRINGE SAGE
 - ATRIPLEX CANESCENS
FOUR WING SALT BUSH
 - BERBERIS HAEMATOCARPA
ALGERIA
 - CERATOIDES LANATA
WINTERFAT
 - CERCOCARPUS MONTANUS
MOUNTAIN MAHOGANY

- CHRYSOETHAMNUS NAUSEOSUS
CHAMISA
- COWANIA MEXICANA
CLIFF ROSE
- ERICAMERIA LARICIFOLIA
TURPENTINE BUSH
- FALLUGIA PARADOXA
APACHE PLUME
- HESPERALOE PARVIFLORA 'YELLOW'
YELLOW YUCCA
- HESPERALOE PARVIFLORA 'RED'
RED YUCCA
- LARREA TRIDENTATA
CREOSOTE BUSH
- NOLINA TEXANA
BEAR GRASS

- OPUNTIA IMBRICATA
CHOLLA
- PRUNUS BESSEYI
SAND CHERRY
- PSOROTHAMNUS SCOPARIUS
BROOM DALEA
- RHUS TRILOBATA
THREELAF SUMAC
- RIBES AUREUM
GOLDEN CURRENT
- ROSA FOETIDA BICOLOR
AUSTRIAN COPPER ROSE
- YUCCA BACCATA
SPANISH DAGGER
- YUCCA GLAUCA
YUCCA

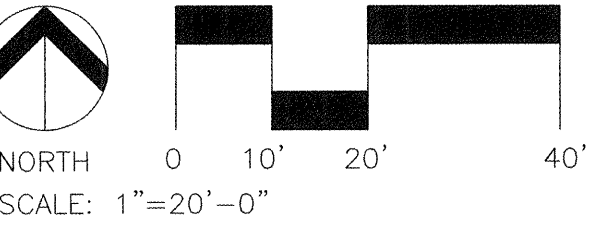
PERENNIALS/GRASSES

- ALLIUM TUBEROSUM
GARLIC CHIVES
- BERLANDIERA LYRATA
CHOCOLATE FLOWER
- HELIOTRICHON SEMPERVIRENS
BLUE AVENA GRASS
- LAVANDULA ANGUSTIFOLIA
ENGLISH LAVENDER
- PENSTEMON AMBIGUUS
BUSH PENSTEMON
- PENSTEMON PINIFOLIUS
PINELEAF PENSTEMON
- PENSTEMON STRICTUS
ROCKY MOUNTAIN PENSTEMON

- PEROVSKIA ATRIPLICIFOLIA
RUSSIAN SAGE
- PSILOSTROPHE TAGETINA
PAPERFLOWER
- ROSMARINUS OFFICINALIS 'ARP'
ROSMARY 'ARP'
- SALVIA AZUREA GRANDIFLORA
PITCHER SAGE
- SEDUM TELEPHIUM 'AUTUMN JOY'
SEDUM 'AUTUMN JOY'
- SENECIO LONGILOBUS
SILVER GROUNDSEL
- THYMUS 'PSEUDOLANUGINOSIS'
'WOOLY' THYME

DESIGNWORKSHOP

9621 4TH STREET NW
Albuquerque, NM 87114
(Tel.) 505.890.1815
(Fax) 505.890.1817

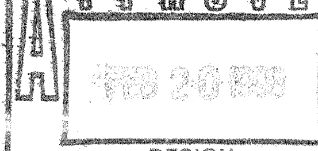


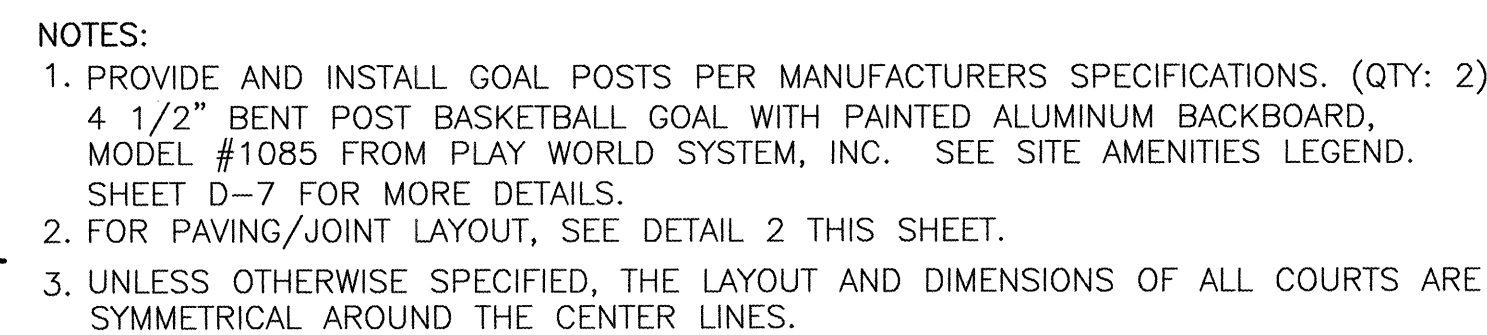
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: HIGH DESERT PLANTING PLAN

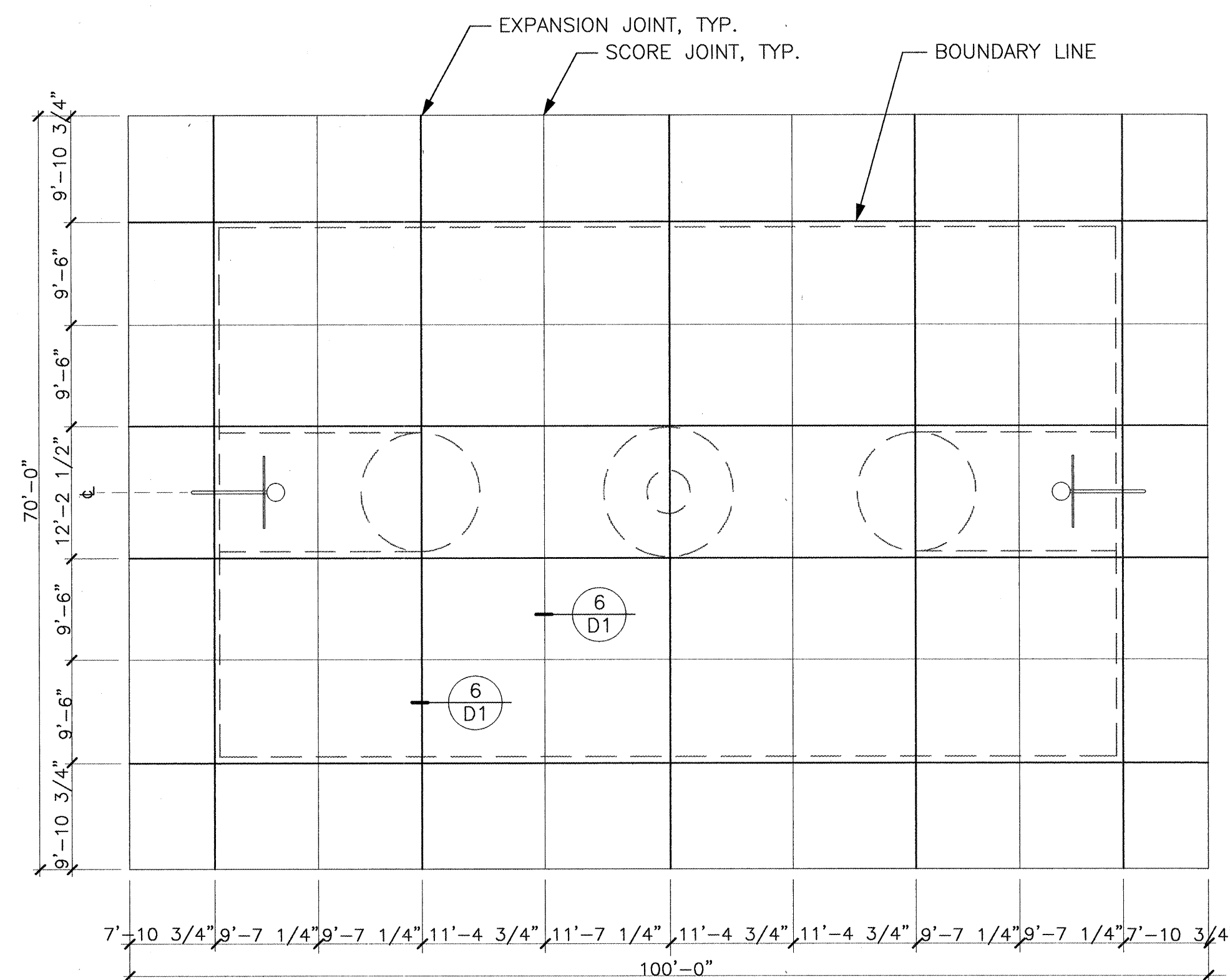
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVE				
DESIGN REVIEW COMMITTEE				
CITY PROJECT NO.	5163.91	ZONE MAP NO.	E-23-Z	SHEET P3 OF 30

SYMBOL	APPROX. QTY.	BOTANICAL NAME TREES	COMMON NAME	SIZE	CONDITION	NOTES	MATURE HEIGHT	MINIMUM SPACING
	3	CERCIS RENIFORMIS	OKLAHOMA REDBUD	2 1/2"	B&B	C.O.A.#2714	20'	10'
	15	CHILOPSIS LINEARIS	DESERT WILLOW	15G		C.O.A.#2714	8-20'	11'
	12	FORESTIERA NEOMEXICANA	NEW MEXICO OLIVE	1-1/2-2"	B&B MULTI-STEM	C.O.A.#2714	15'	10'
	38	JUNIPERUS SCOPULORUM 'BLUE HEAVEN'	ROCKY MT. JUNIPER 'BLUE HEAVEN'	15G		C.O.A.#2714	20'	10'
	7	PINUS ARISTATA	BRISTLECONE PINE	6'	B&B	C.O.A.#2714	40-50'	12'
	50	PINUS EDULIS	PINON PINE	6'	B&B	C.O.A.#2714	30'	10'
	43	PLATANUS WRIGHTII *	ARIZONA SYCAMORE	2 1/2" CAL.	B&B	C.O.A.#2714	40-50'	VARIES
	2	POPULUS ACUMINATA	LANCELEAF COTTONWOOD	2 1/2" CAL.	B&B	C.O.A.#2714	45'	25'
	7	QUERCUS GAMBELII	GAMBLE OAK	15G		C.O.A.#2714	5-50'	10'
	29	ROBINIA PSEUDOACACIA	PURPLE ROBE LOCUST	2 1/2" CAL.	B&B	C.O.A.#2714	20-30'	VARIES
	10	SHRUBS AMELANCHIER UTAHENSIS	UTAH SERVICEBERRY	5 GAL.	CONT.	C.O.A.#2717	6'	4'
	45	AMORPHA FRUTICOSA	FALSE INDIGO	5 GAL.	CONT.	C.O.A.#2717	4-12'	8'
	89	ARTEMISIA FILIFOLIA	THREADLEAF SAGE	5 GAL.	CONT.	C.O.A.#2717	4'	3'
	65	ARTEMISIA FRIGIDA	FRINGE SAGE	1 GAL.	CONT.	C.O.A.#2717	12"	2'
	41	ATRIPLEX CANESCENS	FOUR WING SALTBU	5 GAL.	CONT.	C.O.A.#2717	5'	4'
	66	BERBERIS HAEMATOCARPA	ALEGERITA	5 GAL.	CONT.	C.O.A.#2717	3-8'	4'
	6	CERATOIDES LANATA	WINTERFAT	5 GAL.	CONT.	C.O.A.#2717	3'	2'
	33	CERCOCARPUS MONTANUS	MOUNTAIN MAHOGANY	5 GAL.	CONT.	C.O.A.#2717	10-15'	7'
	245	CHRYSO	CHAMISA	5 GAL.	CONT.	C.O.A.#2717	3-6'	5'
	8	COWANIA MEXICANA	CLIFFROSE	5 GAL.	CONT.	C.O.A.#2717	5-15'	8'
	7	ERICAMERIA LARICIFOLIA	TURPENTINE BUSH	5 GAL.	CONT.	C.O.A.#2717	3'	3'
	142	FALLUGIA PARADOXA	APACHE PLUME	5 GAL.	CONT.	C.O.A.#2717	5-8'	5'
	52	HESPERALOE PARVIFLORA ** 'YELLOW'	YELLOW YUCCA	5 GAL.	CONT.	C.O.A.#2717	4'	4'
	34	HESPERALOE PARVIFLORA 'RED'	RED YUCCA	5 GAL.	CONT.	C.O.A.#2717	4'	4'
	10	LARREA TRIDENTATA	CREOSOTE BUSH	5 GAL.	CONT.	C.O.A.#2717	3-6'	3'
	36	NOLINA TEXANA	BEARGRASS	5 GAL.	CONT.	C.O.A.#2717	3'	4'
	66	OPUNTIA IMBRICATA	CHOLLA	TRANS-PLANTED 5 GAL.	CONT.	C.O.A.#2717	6'	4'
	58	PRUNUS BESSEYI	SAND CHERRY	5 GAL.	CONT.	C.O.A.#2717	6'	5'
	11	PSOROTHAMNUS SCOPARIUS	BROOM DALEA	5 GAL.	CONT.	C.O.A.#2717	3'	3'
	63	RHUS TRILOBATA	THREELEAF SUMAC	5 GAL.	CONT.	C.O.A.#2717	3-5'	5'
	30	RIBES AUREUM	GOLDEN CURRENT	5 GAL.	CONT.	C.O.A.#2717	3-6'	3'
	15	ROSA FOETIDA BICOLOR	AUSTRIAN COPPER ROSE	5 GAL.	CONT.	C.O.A.#2717	5-8'	6'
	9	YUCCA BACCATA	SPANISH DAGGER	5 GAL.	CONT.	C.O.A.#2717	4'	4'
	66	YUCCA GLAUCA	SOAPWEED YUCCA	5 GAL.	CONT.	C.O.A.#2717	2'	3'
	13	PERENNIALS/GRASSES ALLIUM TUBEROSUM	GARLIC CHIVES	1 GAL.	CONT.	C.O.A.#2717	12"	12"
	26	BERLANDIERA LYRATA	CHOCOLATE FLOWER	1 GAL.	CONT.	C.O.A.#2717	18"	12"
	225	HELIOTRICHON SEMPERVIRENS	BLUE AVENA GRASS	1 GAL.	CONT.	C.O.A.#2717	12"	18"
	17	LAVANDULA ANGUSTIFOLIA	ENGLISH LAVENDER	1 GAL.	CONT.	C.O.A.#2717	24"	18"
	59	PENSTEMON AMBIGUUS	BUSH PENSTEMON	1 GAL.	CONT.	C.O.A.#2717	24"	18"
	42	PENSTEMON PINIFOLIUS	PINELEAF PENSTEMON	1 GAL.	CONT.	C.O.A.#2717	24"	18"
	11	PENSTEMON STRICTUS	ROCKY MOUNTAIN PENSTEMON	1 GAL.	CONT.	C.O.A.#2717	18"	18"
	105	PEROV						

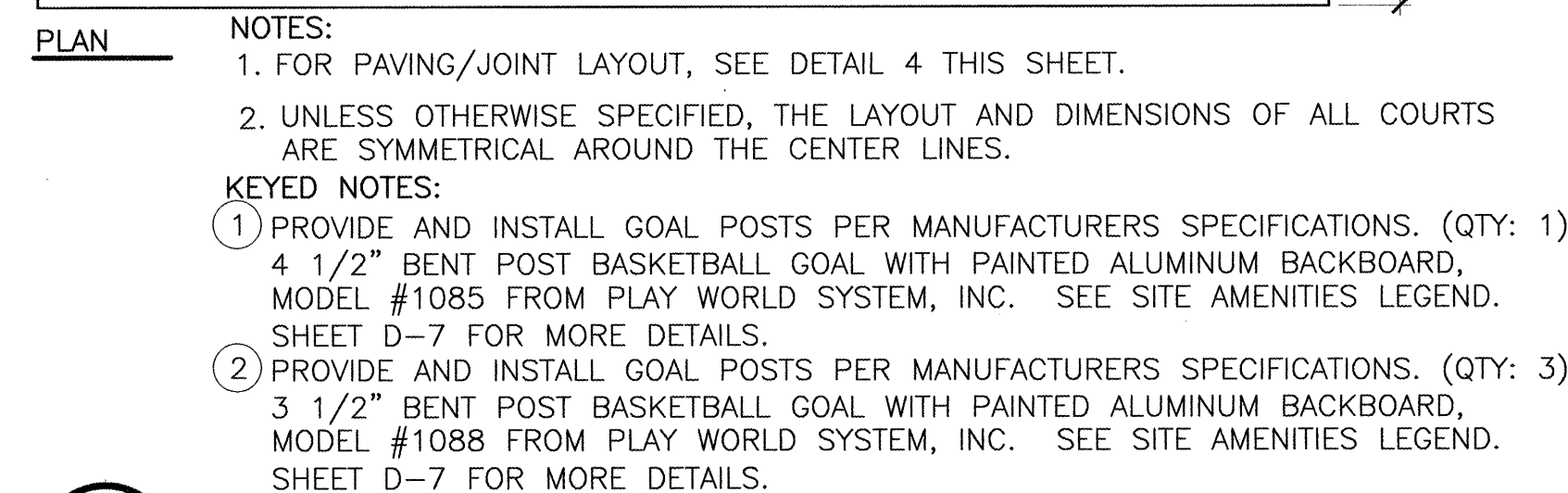
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP				
TITLE:		HIGH DESERT PLANTING AND SEEDING LEGEND		
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CITY PROJECT NO.	5163.9I	ZONE MAP NO. E-23-22	SHEET P6	OF 30



1 BASKETBALL COURT LAYOUT
D-1 NT



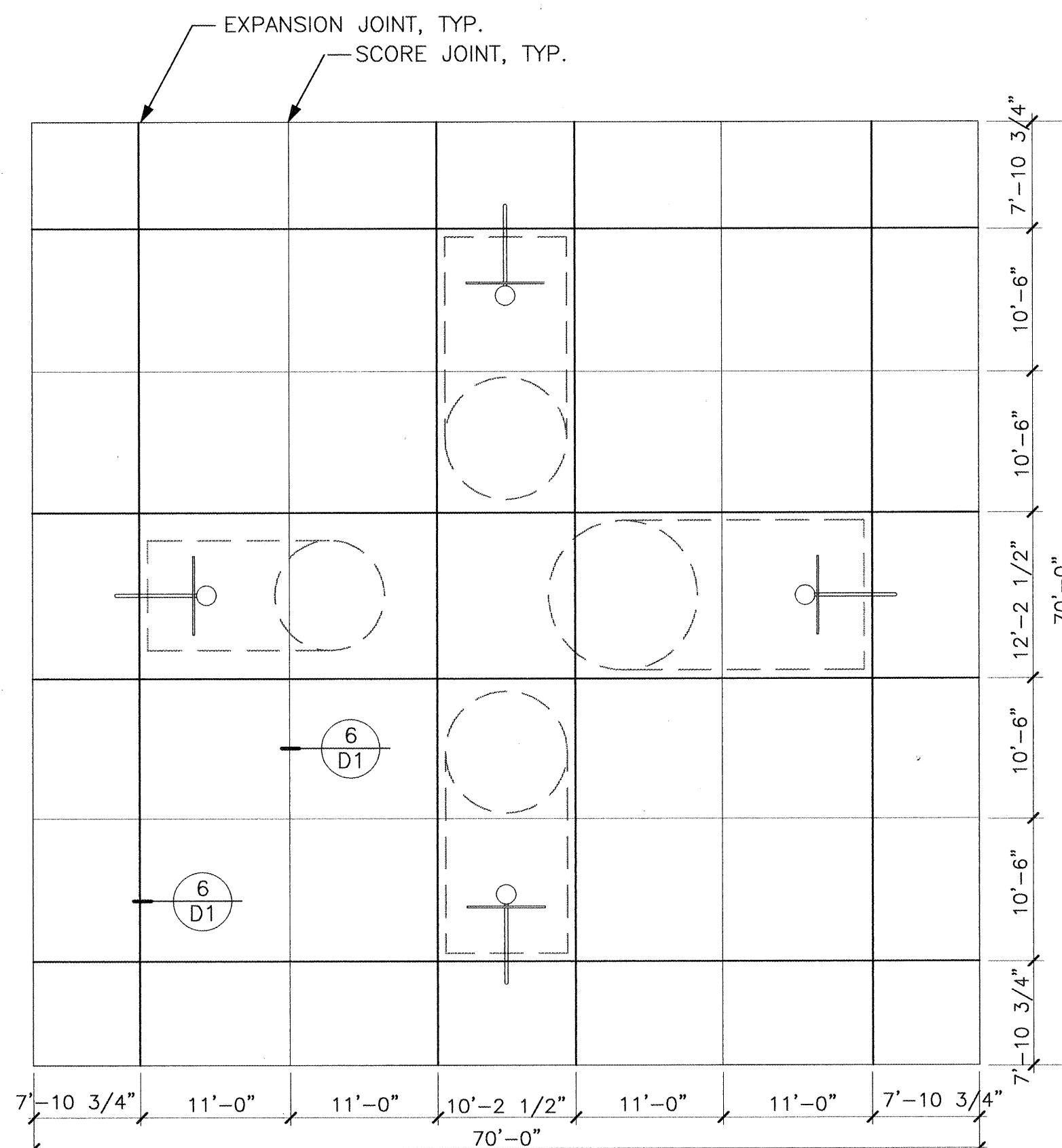
2 BASKETBALL COURT – PAVING/JOINT LAYOUT
D-1 NT



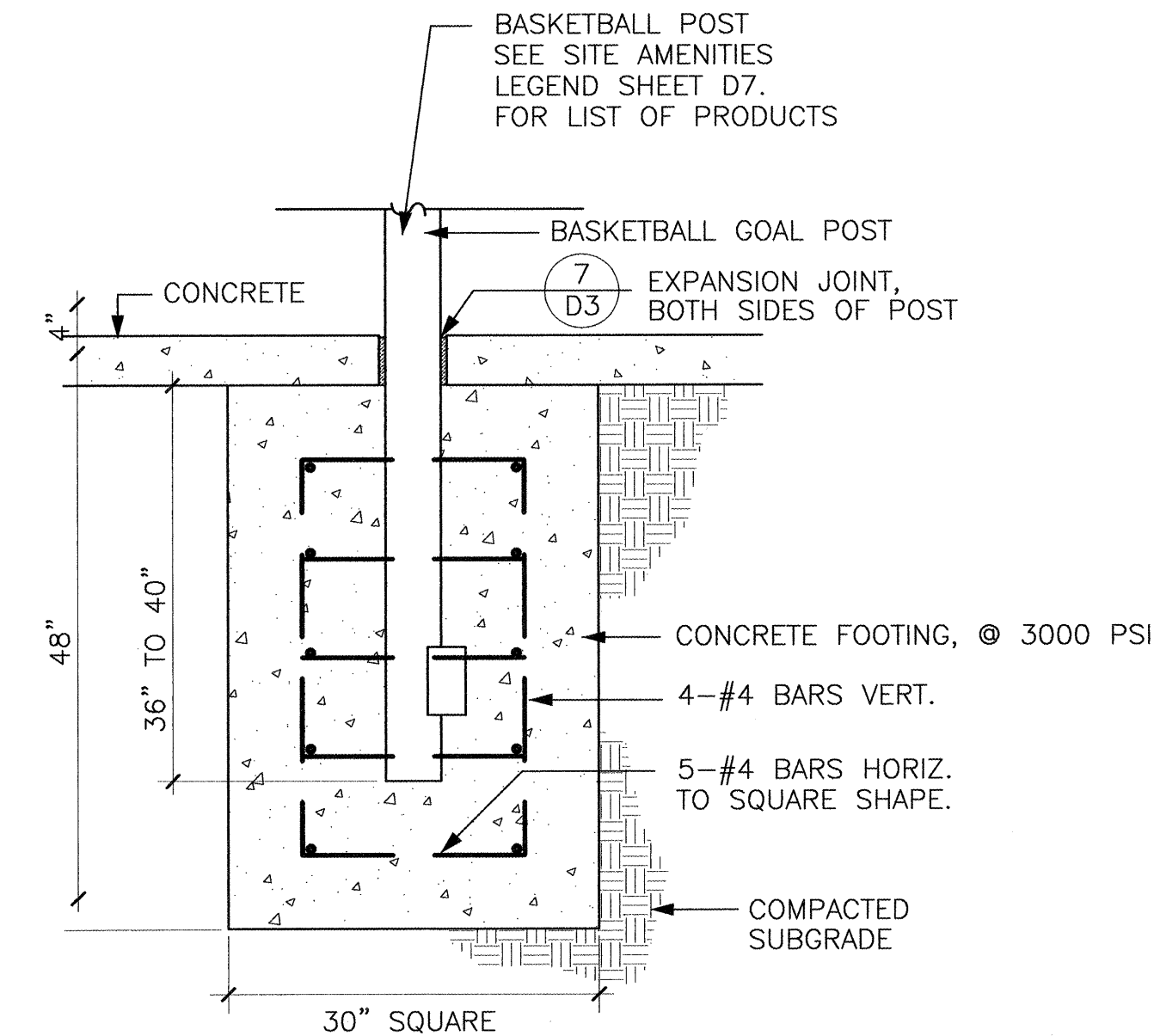
3
D-1

MINI-BASKETBALL COURT
LAYOUT

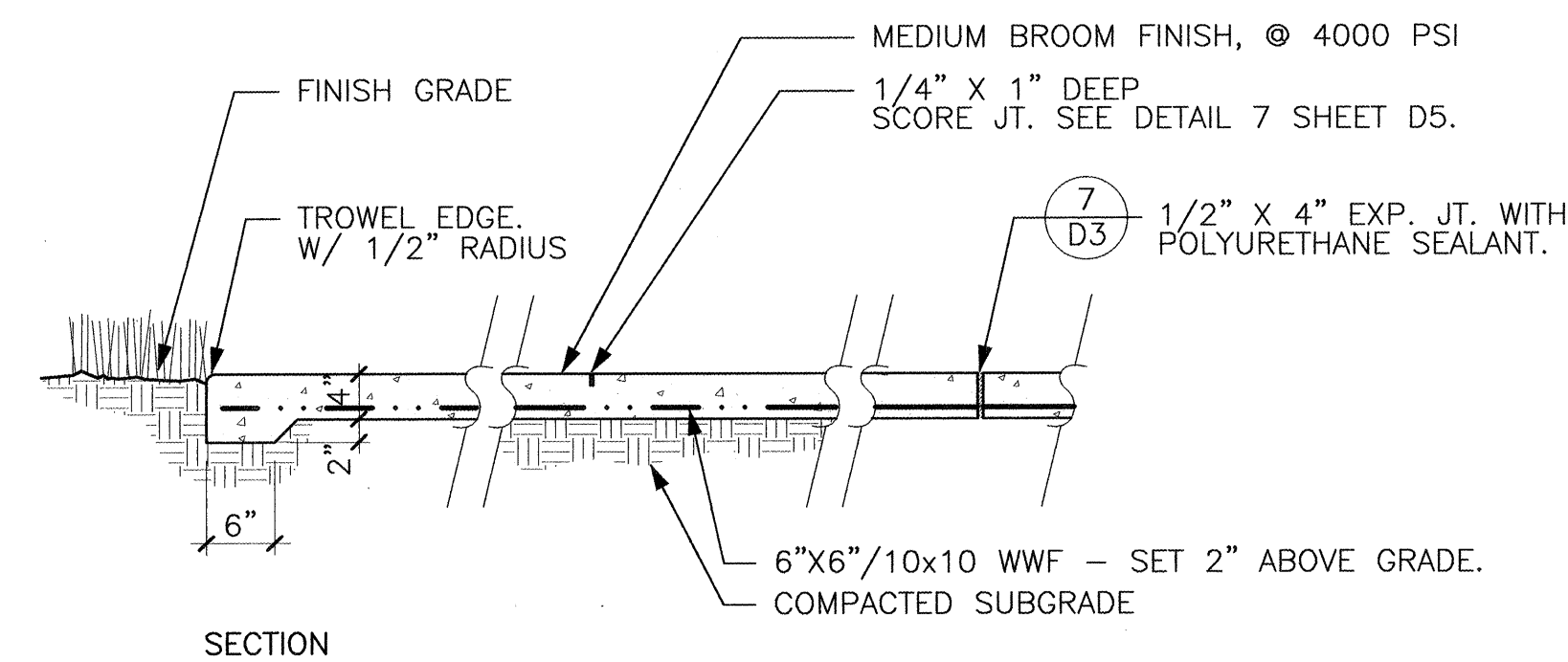
NTS



4 MINI-BASKETBALL COURT
D-1 PAVING/JOINT LAYOUT NTS



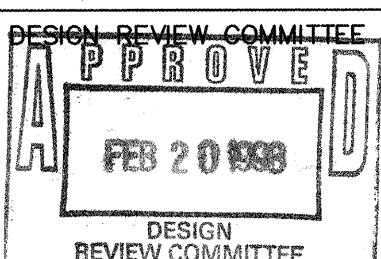
5 BASKETBALL BACKSTOP/GOAL
D-1 NTS



6 CONCRETE BASKETBALL COURT

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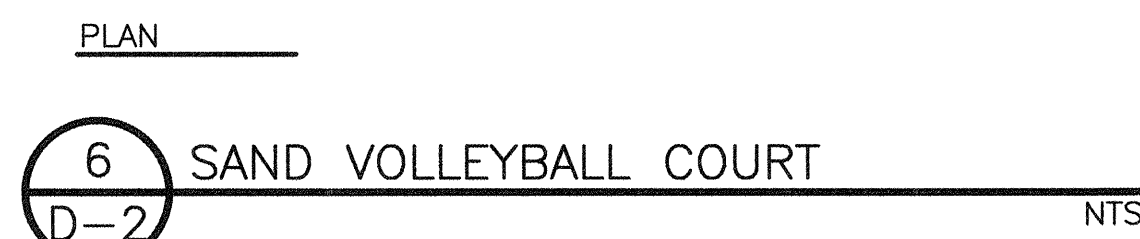
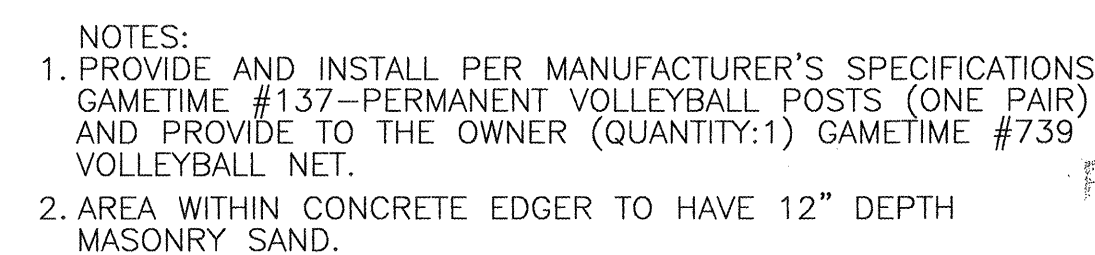
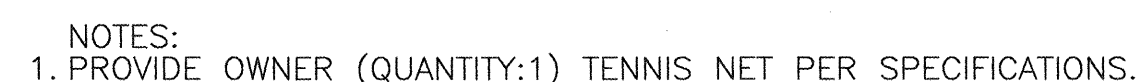
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87114
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(Fax) 505.890.1817

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP				
TITLE:		HIGH DESERT BASKETBALL DETAILS		
DESIGN REVIEW COMMITTEE 		CITY ENGINEER APPROVAL		MO./DAY/YR.
CITY PROJECT NO.		5163.91 E-23-Z	ZONE MAP NO. 23	LAST DESIGN UPDATE
				SHEET D1 OF 30



- NOTES:
- 1 FOOTING DEPTH TO INCLUDE MOWSTRIP.
 - 2 ALL FABRIC, POST AND RAILS TO BE GREEN VINYL CLAD PER SPECIFICATIONS.

FOOTING LEGEND				
FENCE HEIGHT	LINE POST SIZE	LINE POST FOOTING	CORNER/END POST SIZE	CORNER/END POST FOOTING
UP TO 10'	3.5" O.D.	16"DIA x 3'-0"	3.5" O.D.	16"DIAx 3'-0"



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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:	HIGH DESERT TENNIS AND SAND VOLLEYBALL DETAILS
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DESIGN REVIEW COMMITTEE		CITY ENGINEER APPROVAL		MO./DAY/YR.		MO./DAY/YR.	
				LAST DESIGN UPDATE			
CITY PROJECT NO.	5163.9I	ZONE MAP NO. E-23-Z	SHEET D24	OF 30			

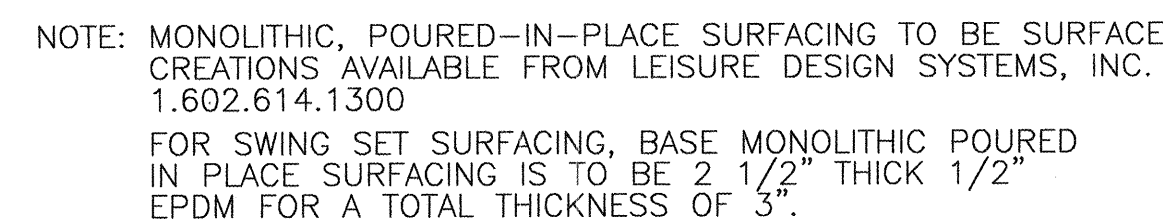


Diagram illustrating the bracing configuration for a two-story building. The building is divided into two levels, each with two bays. The top level is labeled "2 SWINGS" for both bays. The bottom level is labeled "133 1/2\" for both bays. The total height of the building is indicated as 40' on the right side.

PLAN VIEW/CONCRETE FOOTING LAYOUTS

MONOLITHIC POURED-IN-PLACE SURFACING 1 1/2" BASE-BLACK

1/2" EPDM
COLOR: VARIES.
SEE SHEET D8.

12" DEPTH PLASTER SAND
(MEET C.P.S.C. GUIDELINES
FOR PLAYGROUND EQUIPMENT).

30°

WWF

4"

4"

8"

4"

COMPACTED SUBGRADE

4" CONCRETE BASE WITH
6X6 10/10 WELDED WIRE
FABRIC. BASE TO
ROUGHENED SURFACE.
4000 PSI

NOTES: CROSS SLOPE WALK @2%, REFERENCE GRADING PLAN
CONTROL JOINTS @ 5' O.C.
EXPANSION JOINTS @ 20' O.C.

The diagram shows a cross-section of a curb and gutter assembly. On the left is a 6-inch wide concrete curb with a center dot. To its right is a 6-foot wide gutter. The gutter has a 2-inch asphalt surface on top, which is 1500 lbs. stable. Below the asphalt is a 1/2-inch radius rounded edge. The gutter is bordered by a 6-inch wide concrete curb on the right, also with a center dot. The gutter is filled with 4000 PSI concrete with a broom finish. Below the concrete is a compacted subgrade. A #3 rebar is shown continuous through the gutter. The gutter is bordered by turf on the right. Dimensions are indicated at the bottom: 6" for the curb, 6'-0" for the gutter, and 6" for the curb. Notes specify a cross slope walk of 2%, control joints at 5' O.C., and expansion joints at 20' O.C.

2" ASPHALT SURFACE
COURSE W/
1500lbs.
STABILITY

1/2" RADIUS
ROUNDED EDGE

TURF

4000 PSI
CONCRETE W/
BROOM FINISH

COMPACTED
SUBGRADE

#3 REBAR
CONTINUOUS

6" 6'-0" 6"

POST TYP.

PROTECTIVE SURFACING

40"

28"

24"

2" CLEAR

CONCRETE FOOTING @ 3000 PSI

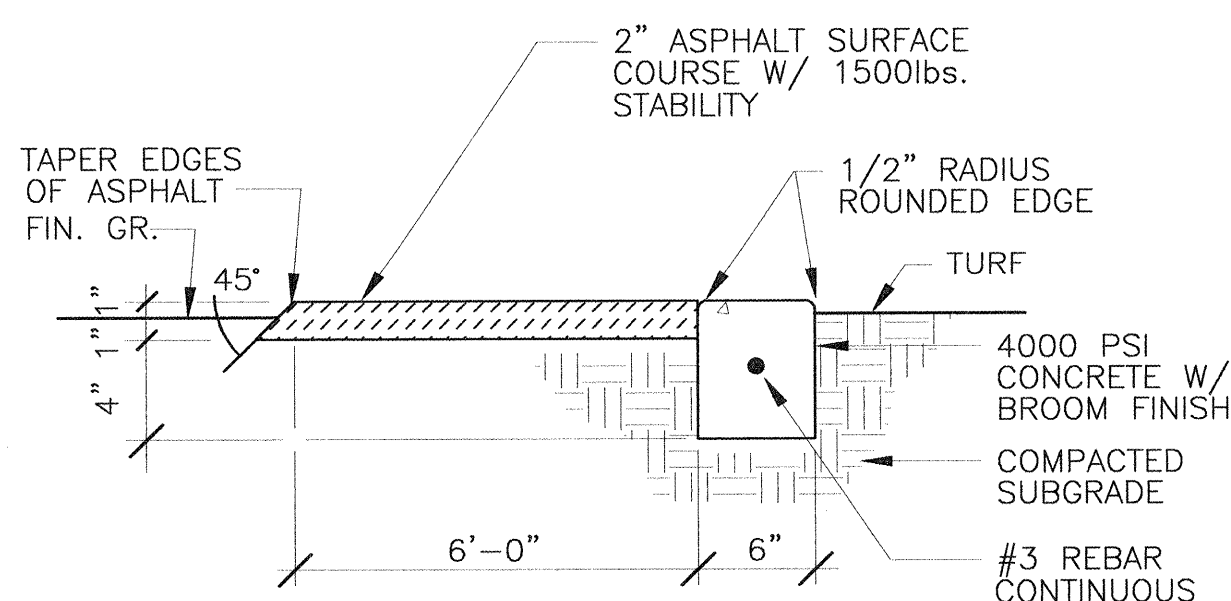
COMPACTED SUBGRADE

CONCRETE FOOTING SECTION



NOTES: ① CROWN WALK @2%. REFERENCE GRADING PLAN.
② DECOMPOSED GRANITE PATH COMPRISED OF NATIVE ARROYO SILT MATERIAL. SAMPLE TO BE APPROVED BY OWNER.

NOTES: CROSS SLOPE WALK @2%, REFERENCE GRADING PLAN
CONTROL JOINTS @ 5' O.C.
EXPANSION JOINTS @ 20' O.C.



12'-0"

LETTERS AND SYMBOL INSET TO 1" DEPTH. OWNER TO PROVIDE CAMERA READY FONT AND SYMBOL TO CONTRACTOR. (BOTH SIDES)

CONCRETE SIGN

4'-0"

24.5"

5"

2"

4.5"

10 D3

20"

4"

BOULDER TO BE PROVIDED BY OWNER

HIGH DESERT PARK

NOTES:

1. FINISH—REMOVE FORMS AND WORK DEFECTS OUT WHILE STILL GREEN ENOUGH FOR WORKING OF SURFACE, BUT IS FIRM ENOUGH TO RETAIN SHAPE. RUB ALL EXP. SURFACES AFTERWARDS. FINISH TO BE SMOOTH, WITH CONSISTENCY OF COLOR AND TEXTURE. COLOR: DAVIS-5084 'OMAHA TAN' W/W-1000 CLEAR CURE AND SEAL.
2. INSET LETTERS AND SYMBOL TO BE PAINTED BLACK.
3. GRAFFITI COATING TO BE APPLIED TO ALL SURFACES.

8"

3/4" (TYP)

3" MIN.

4'0"

#4 AT 9" O.C. CONT.

4000 PSI CONCRETE

#4 AT 12" O.C. W/ STD. HK.,
ALTN. HKS.

FINISHED GRADE

6"

1'

3-4# CONT T&B

2'-6"

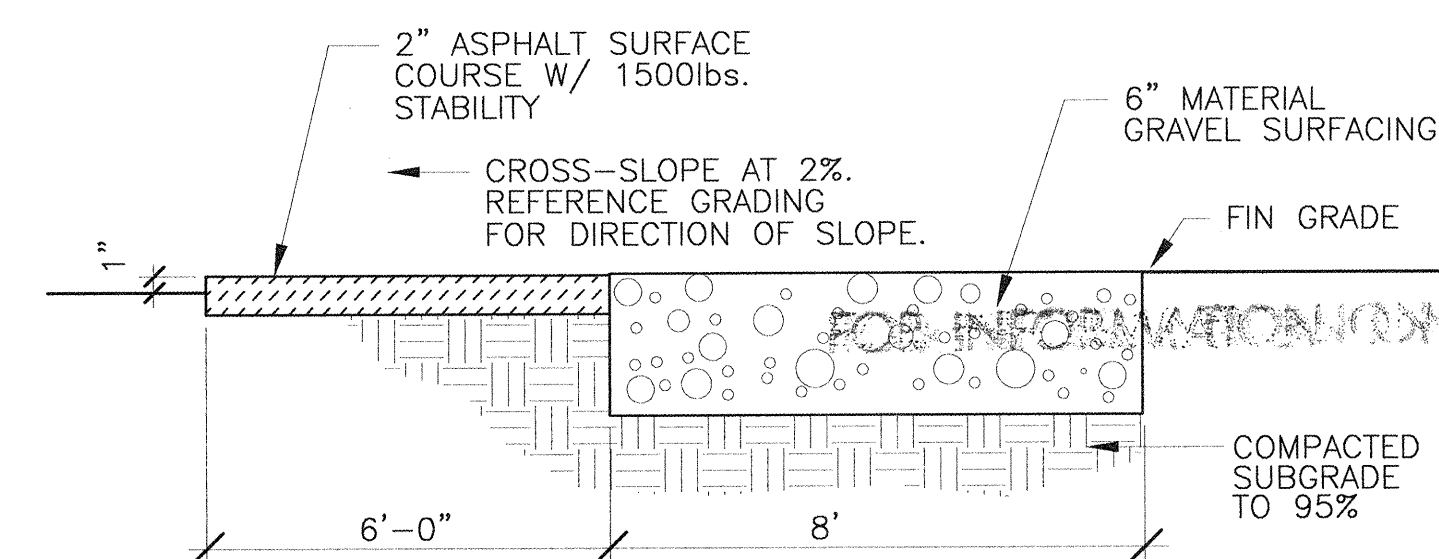
COMPACTED
SUBGRADE

3000 PSI CONCRETE

CITY OF LOS ANGELES
7 2 57
1/21/98
David J. Henderson
DEPT. 10

NOTES: (1) INSTALL 6" MATERIAL GRAVEL SURFACING PER C.O.A. STANDARD SPECIFICATION SECTION 309.

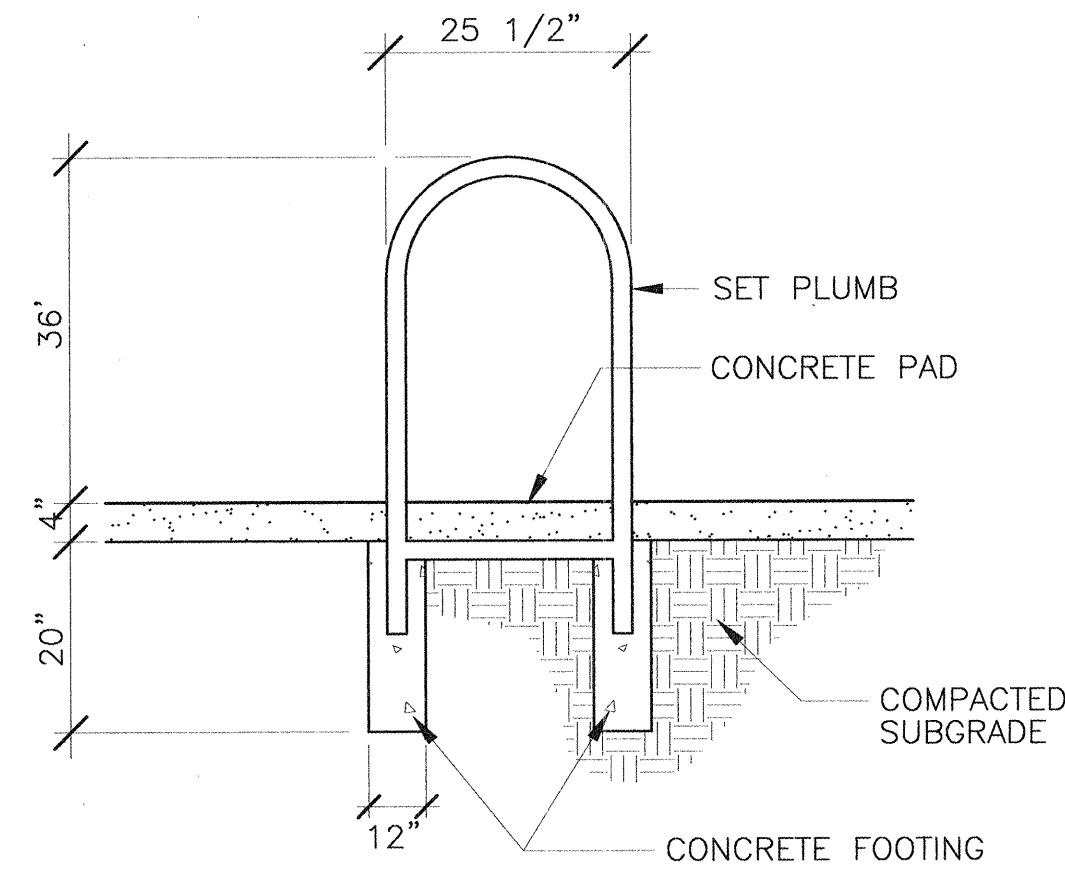
(2) IF ASPHALT PATH IS NEXT TO MOW CURB OR CONCRETE EDGER, NO TAPER IS NEEDED ON THAT SIDE.



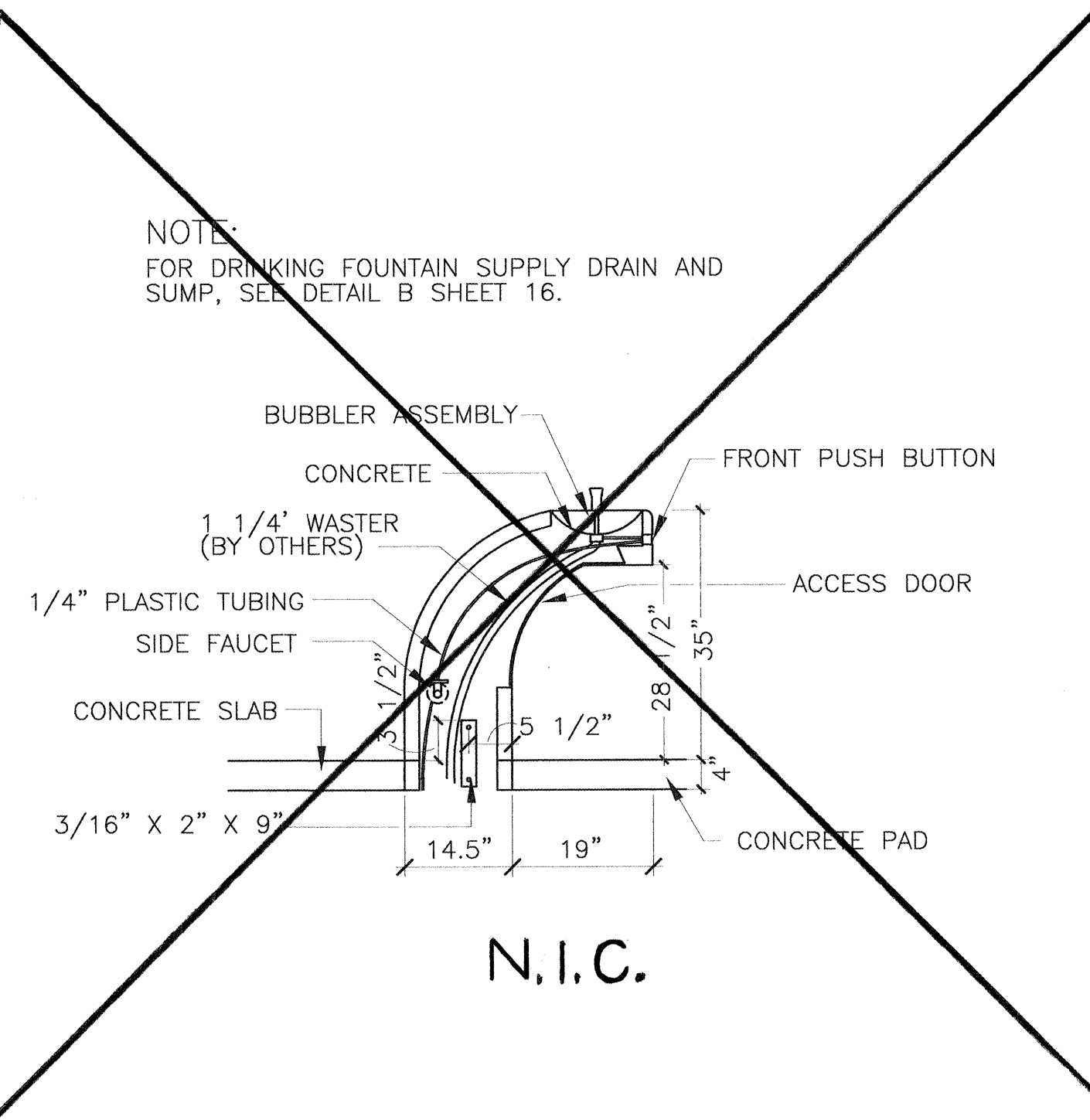
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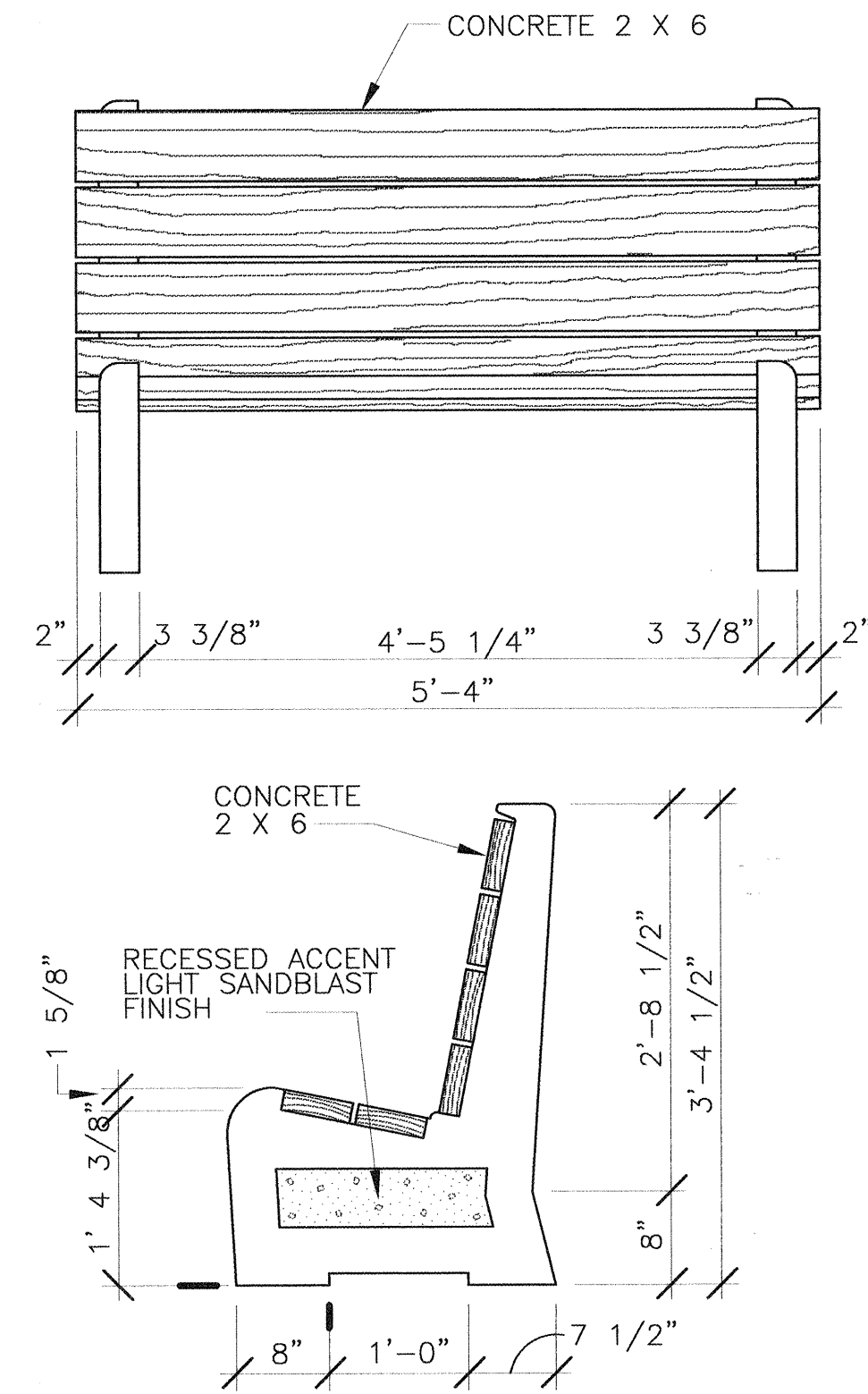
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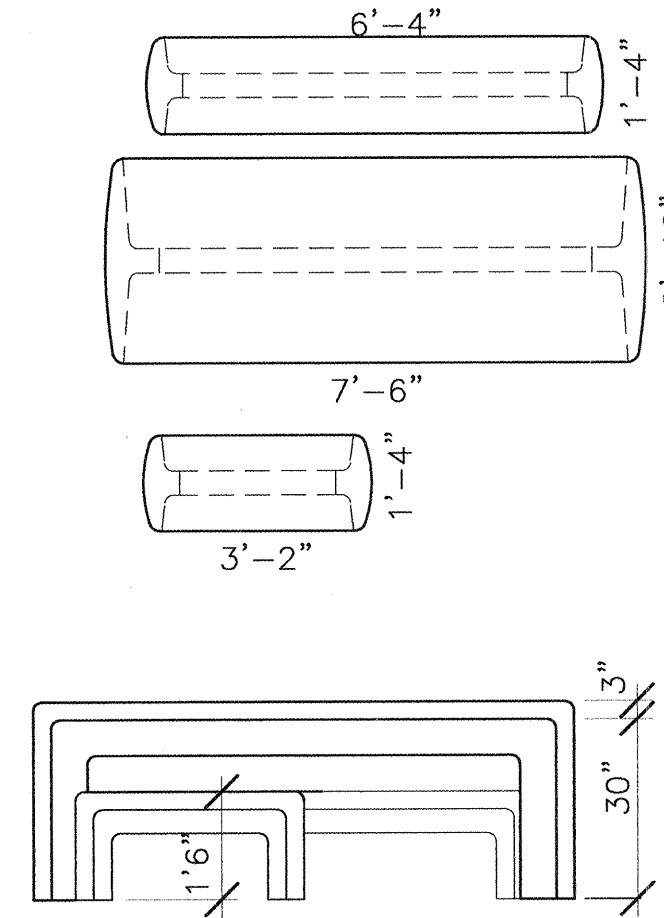
1 BIKE LOOP
D-4 NTS



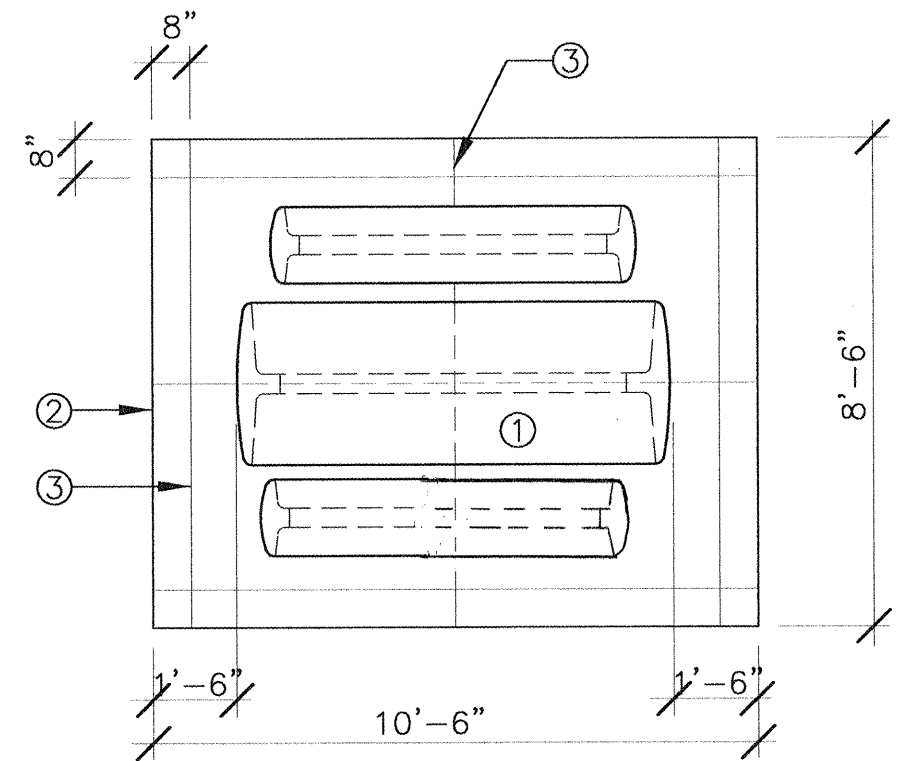
3 DRINKING FOUNTAIN
D-4 #CHF-FBS NTS



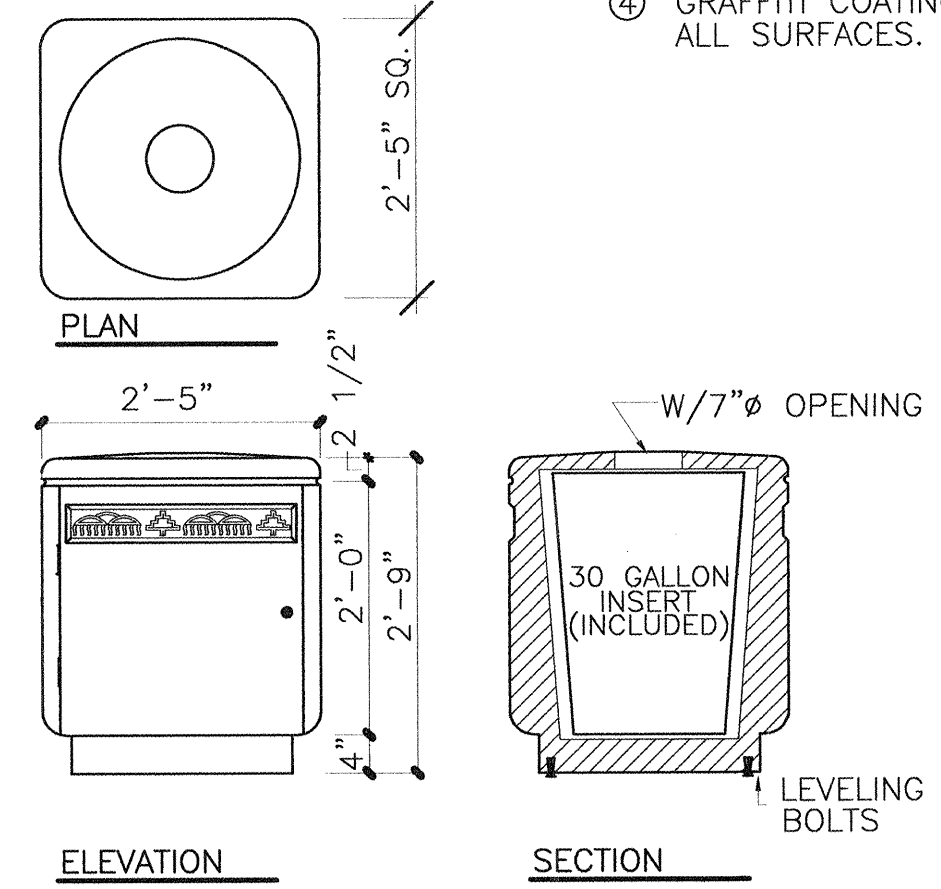
5 SEQUOIA BENCH
D-4 #BM-2884 NTS



2 NEW MEXICAN PICNIC TABLE
D-4 #TS-3490 NTS



4 PICNIC TABLE LAYOUT
D-4 NTS



6 SANTA FE LITTER RECEPTACLE
D-4 #TR-3225 NTS

- NOTES:
- DAVIS COLOR: OMAHA TAN
 - LIGHT SANDBLAST FINISH
 - AVAILABLE FROM MATERIALS, INC. (505) 867-9035.
 - GRAFFITI COATING TO BE APPLIED ON ALL SURFACES.

- NOTES:
- DAVIS COLOR: OMAHA TAN
 - SMOOTH AS CAST
 - AVAILABLE FROM MATERIALS, INC. (505) 867-9035.
 - GRAFFITI COATING TO BE APPLIED ON ALL SURFACES.

- GENERAL NOTE:
- HC PAD TO HAVE 36" CLEAR ON ALL SIDES. PAD DIMENSIONS APPROX. 12' X 13.5'.
- KEYED NOTES:
- NEW MEXICAN PICNIC TABLE. #TS-3490 AVAILABLE FROM MATERIALS, INC. (505) 867-9035. TO BE CENTERED ON CONCRETE PAD.
 - 4" CONCRETE PAD, BROOM FINISH, 4000 PSI.
 - CONTROL JOINT TYP.

- NOTES:
- DAVIS COLOR: OMAHA TAN
 - SMOOTH AS CAST
 - AVAILABLE FROM MATERIALS, INC. (505) 867-9035.
 - GRAFFITI COATING TO BE APPLIED ON ALL SURFACES.

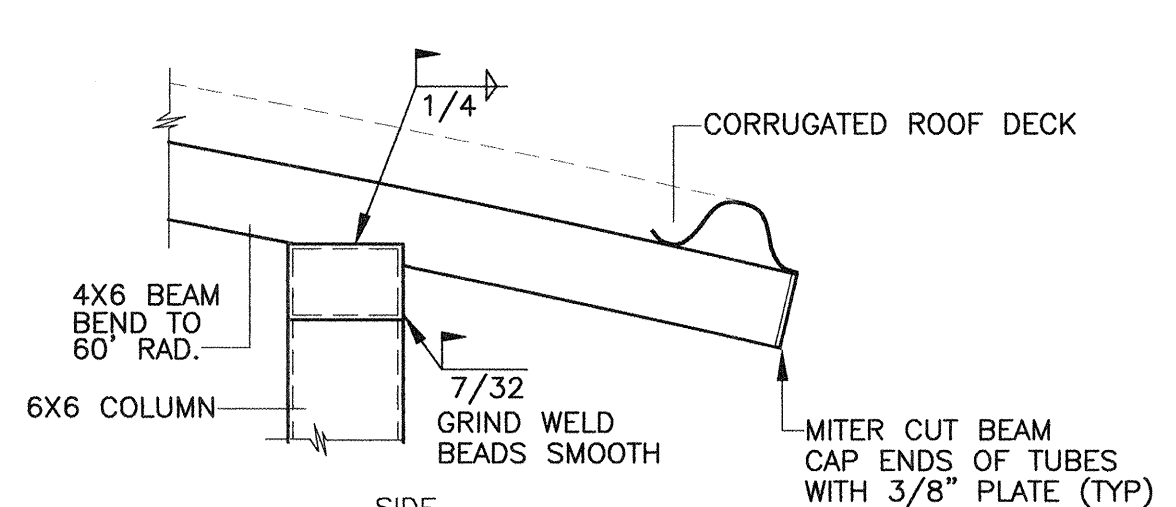
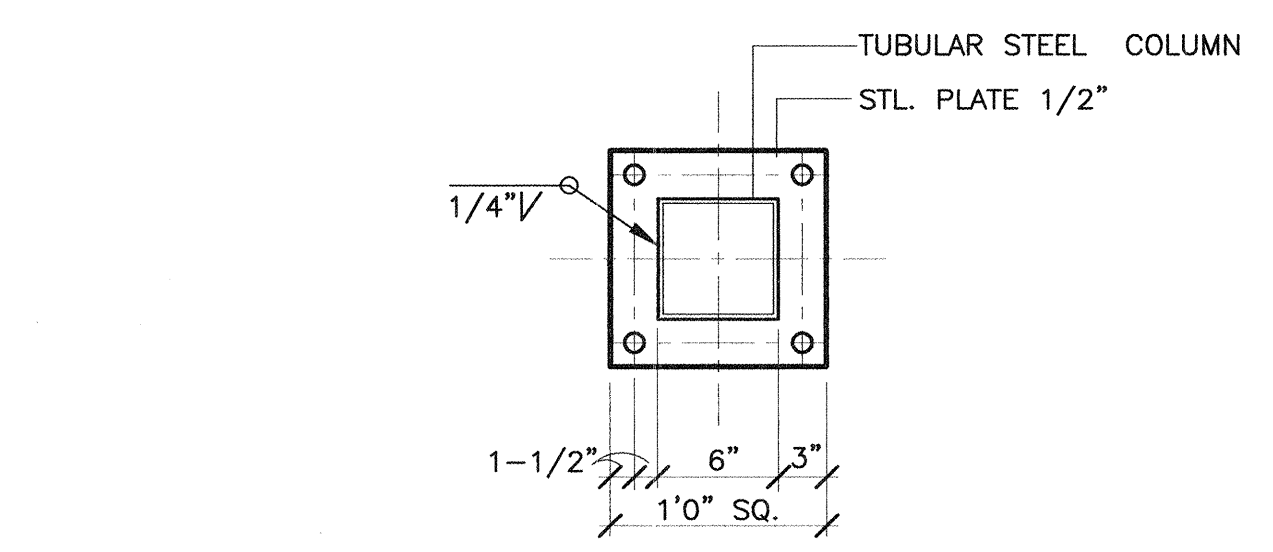
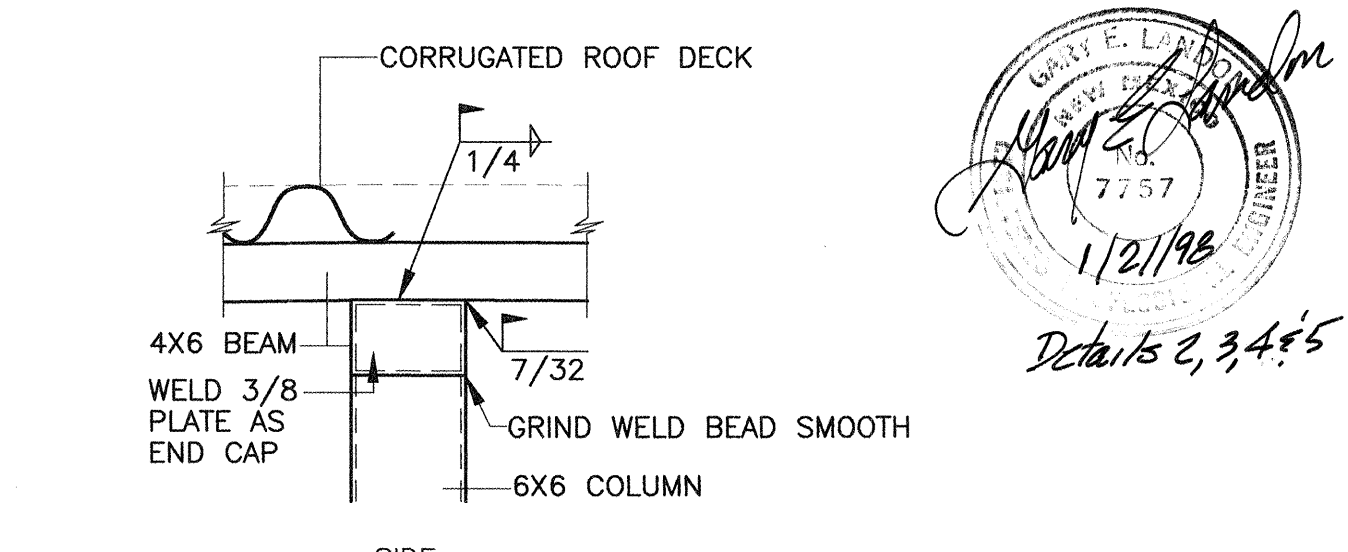
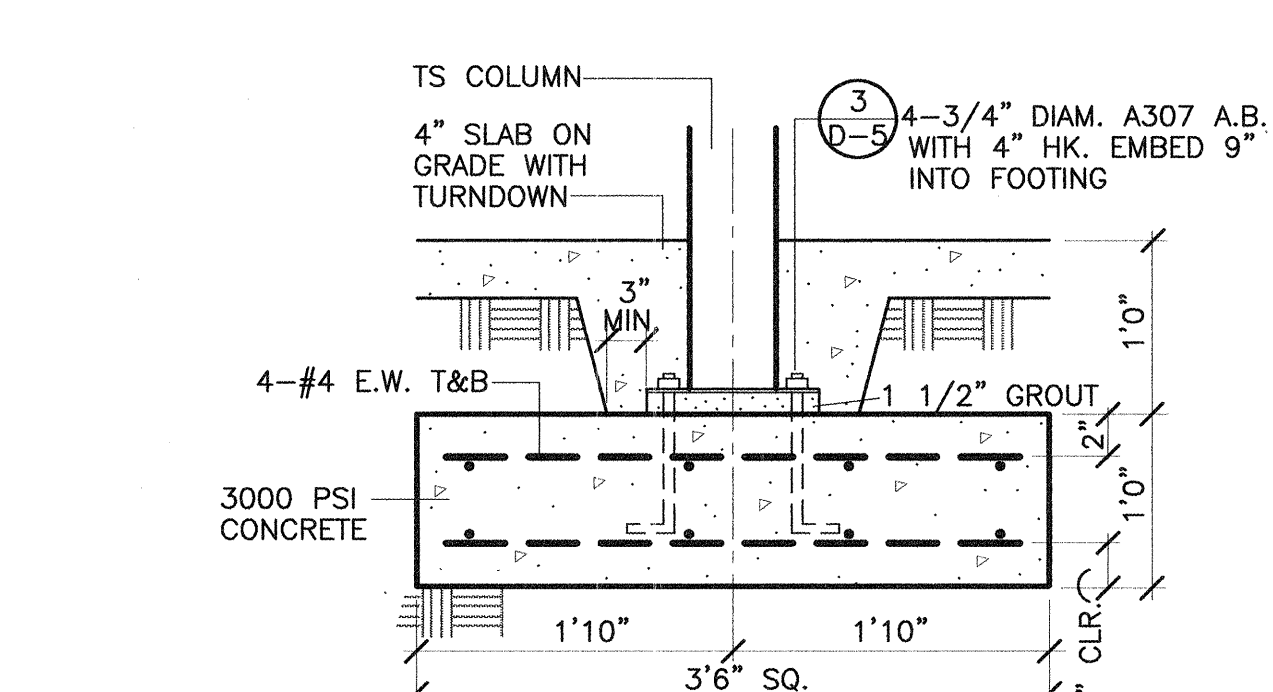
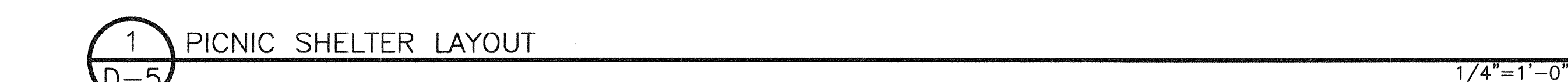
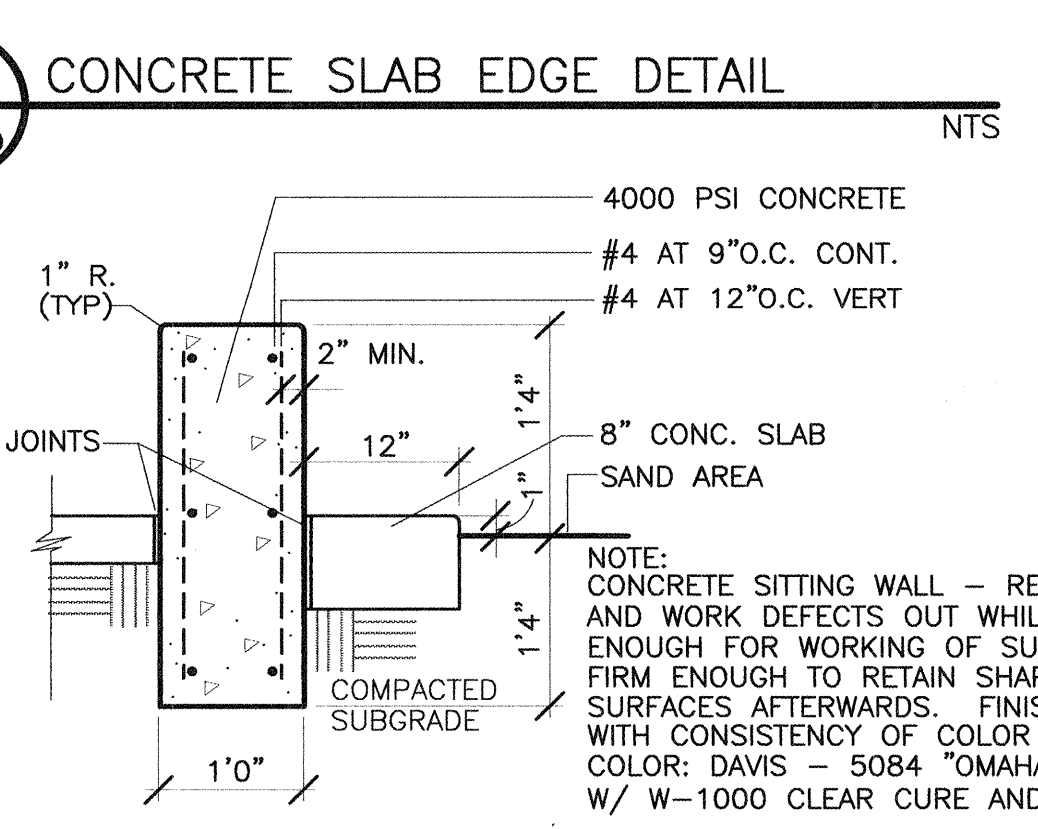
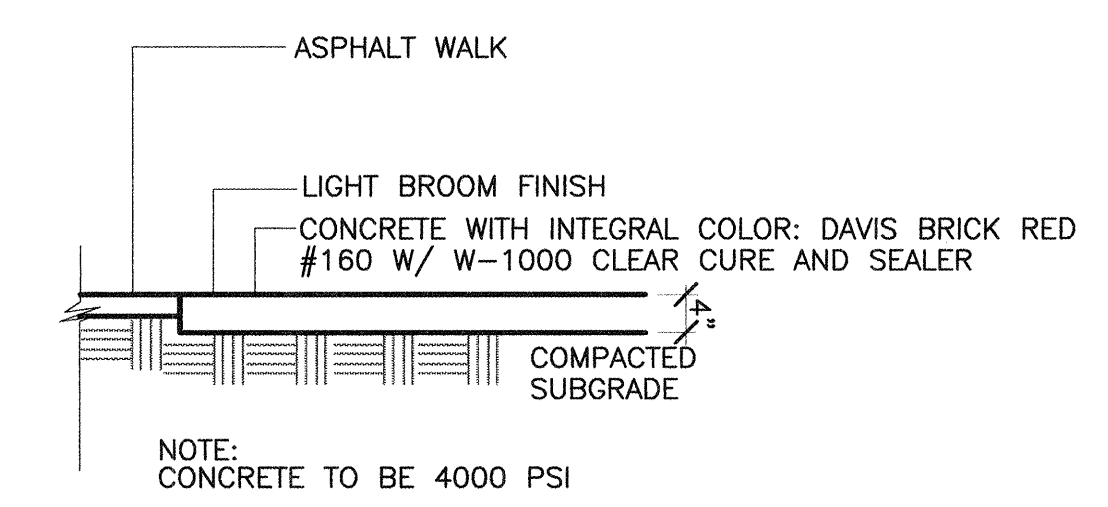
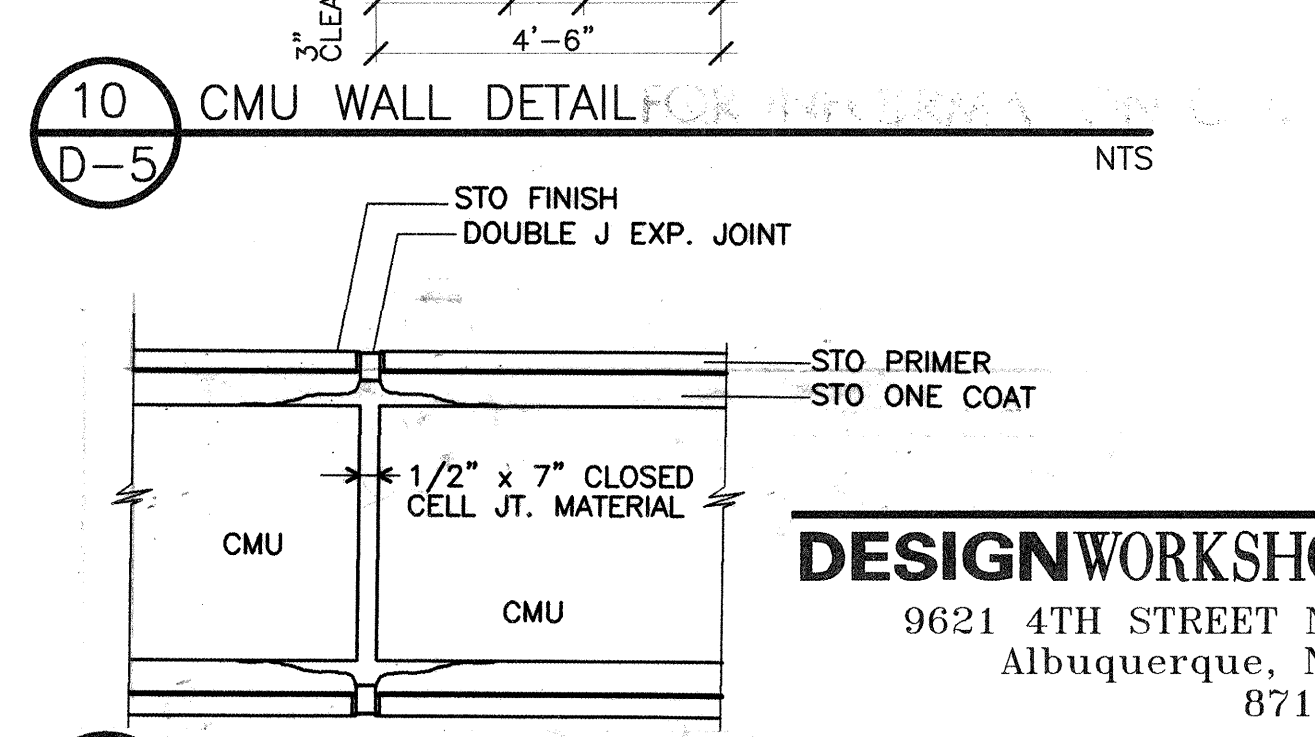
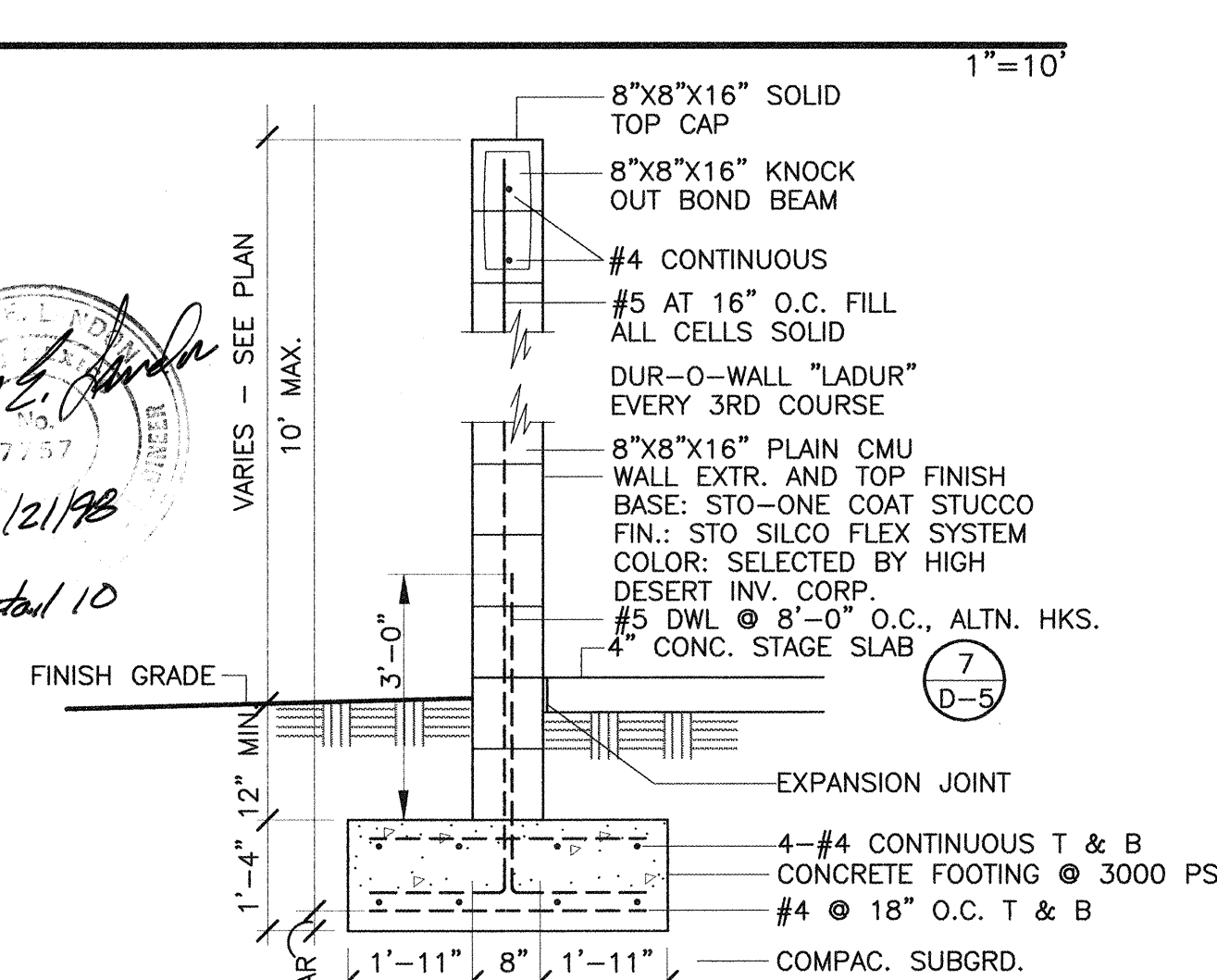
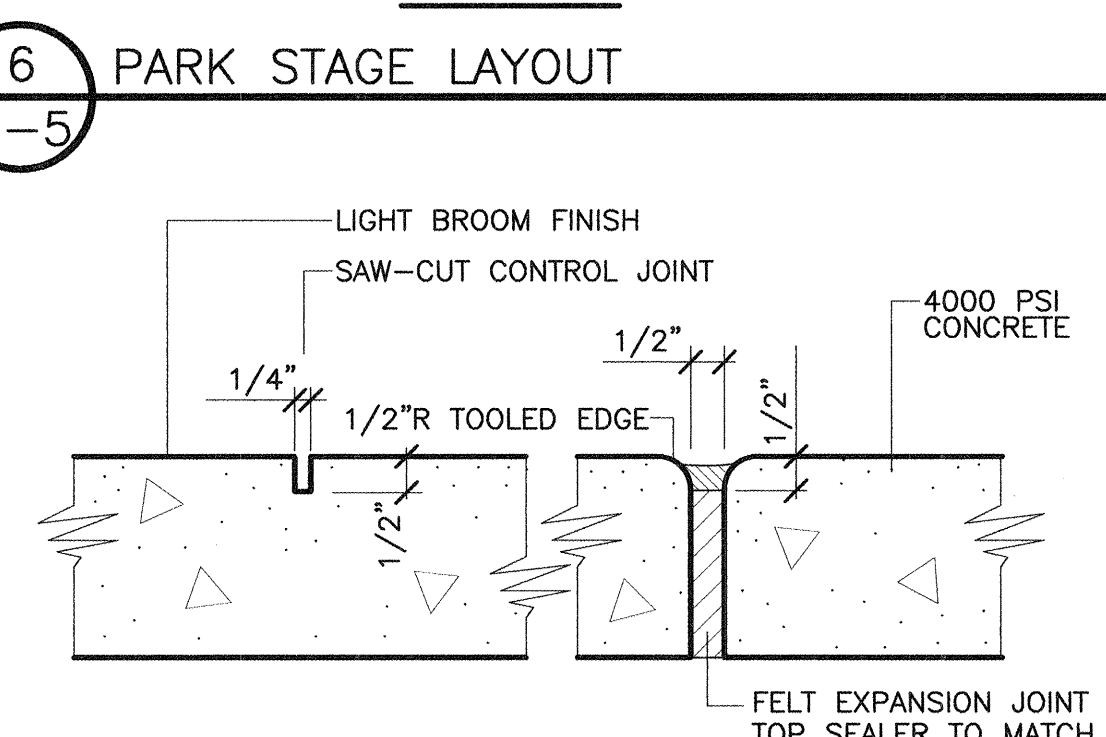
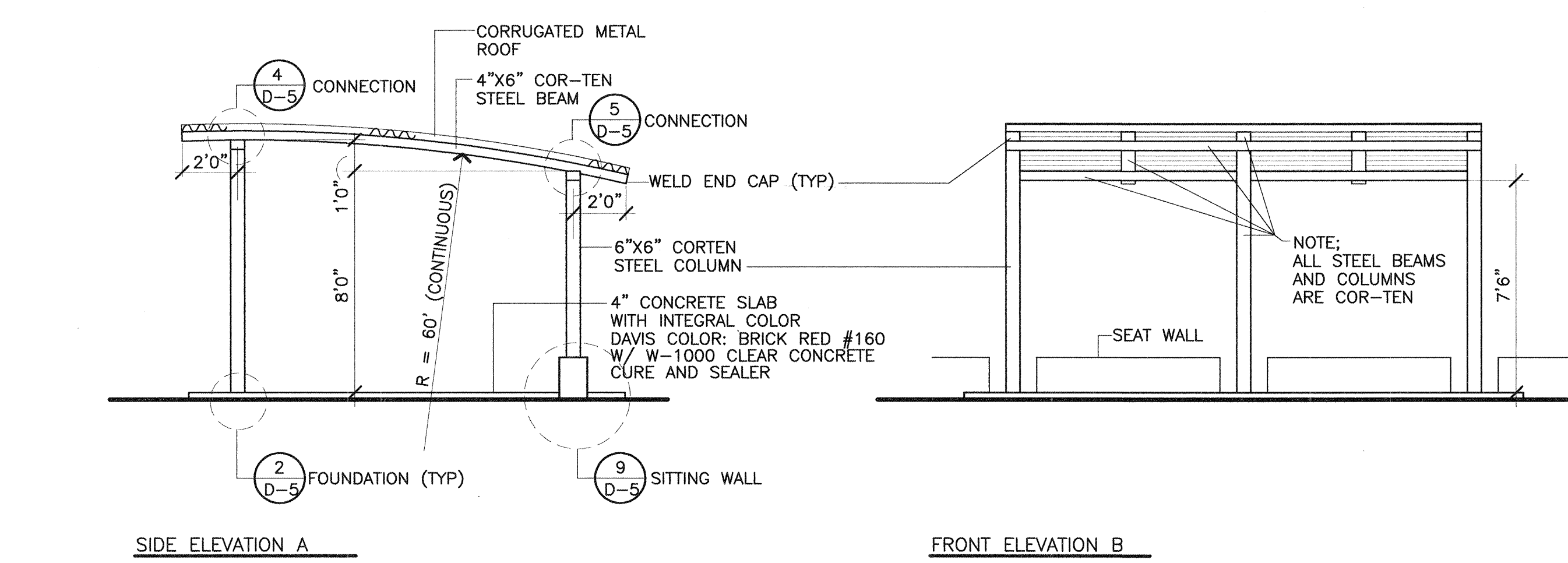
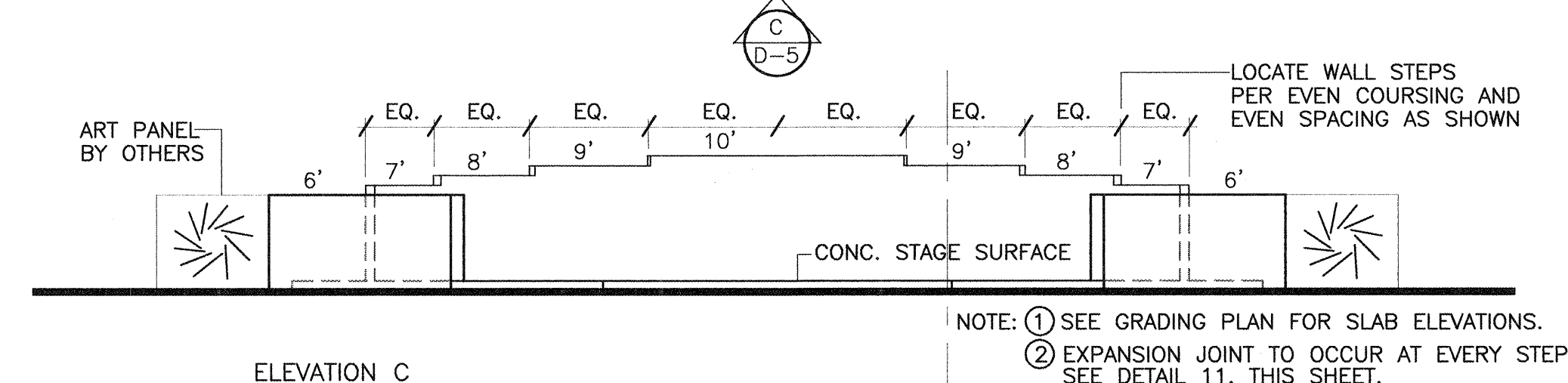
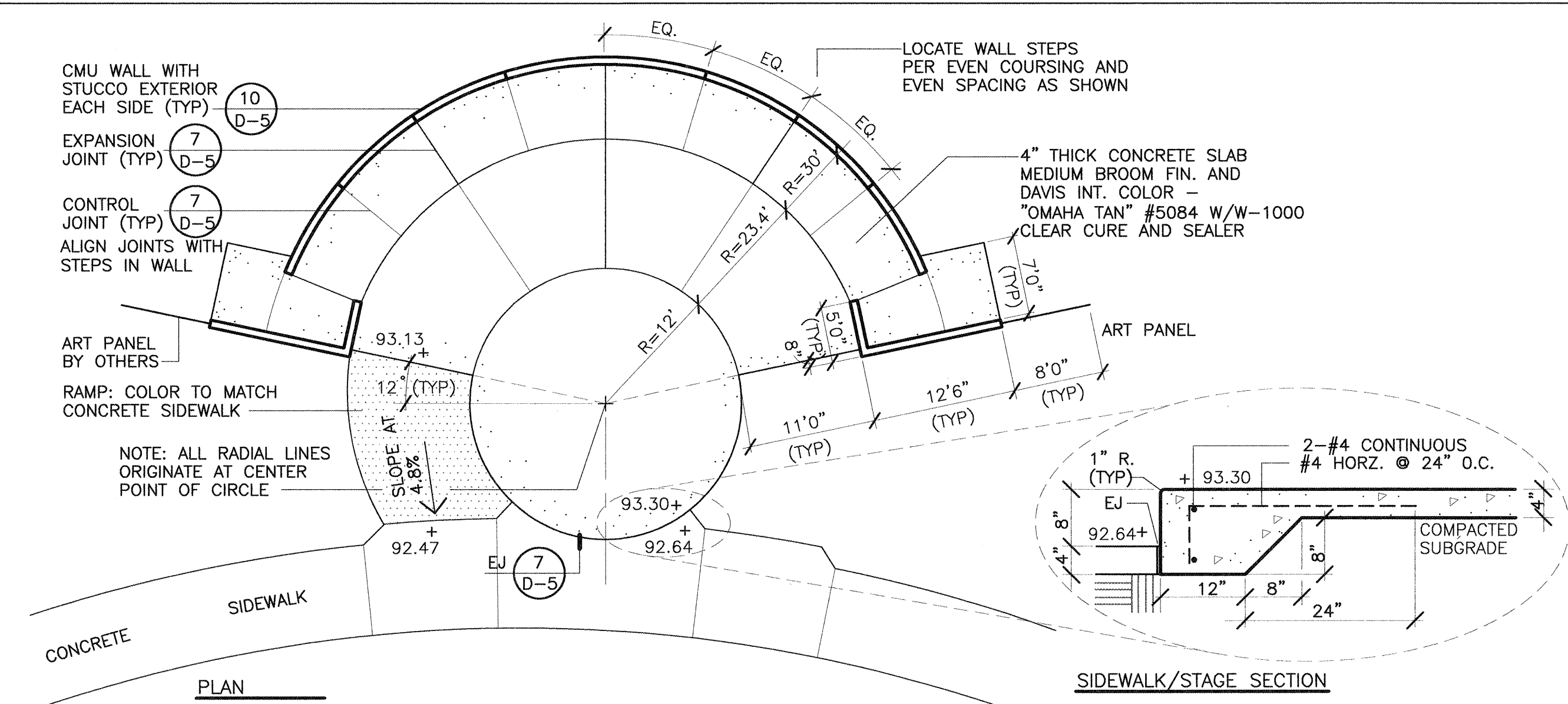
FOR INFORMATION ONLY

DESIGNWORKSHOP
9621 4TH STREET NW
Albuquerque, NM 87114
(Tel.) 505.890.1815
(Fax) 505.890.1817

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: HIGH DESERT SITE FURNISHINGS DETAILS			
DESIGN REVIEW COMMITTEE APPROVED DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.
CITY PROJECT NO. 5163.91	ZONE MAP NO. E-23-Z	SHEET D4 OF 30	DATE 1-98

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		LANDSCAPE ARCHITECT'S SEAL	
CONTRACTOR	DATE	NO.	BY	NO.	BY	NO.	BY
INSPECTOR'S	DATE	NO.	BY	NO.	BY	NO.	BY
FIELD	DATE	NO.	BY	NO.	BY	NO.	BY
VERIFICATION	DATE	NO.	BY	NO.	BY	NO.	BY
BY	DATE	NO.	BY	NO.	BY	NO.	BY
CONNECTED	DATE	NO.	BY	NO.	BY	NO.	BY
MICRO-FILM	DATE	NO.	BY	NO.	BY	NO.	BY
INFORMATION	DATE	NO.	BY	NO.	BY	NO.	BY
NO.	DATE	NO.	BY	NO.	BY	NO.	BY





LANDSCAPE ARCHITECT'S SEAL		SURVEY INFORMATION		BENCH MARKS	AS-BUILT INFORMATION
		FIELD NOTES			
		NO.	BY	DATE	
		NO.	DATE	REMARKS	BY
DESIGNED BY AD/RB DATE 1-98					
DRAWN BY RB DATE 1-98					
CHECKED BY MCD DATE 1-98					
REGISTERED DESIGN					
CONTRACTOR					
WORK STARTED BY DATE					
INSPECTOR'S COMMENTS BY DATE					
FIELD VERIFICATION BY DATE					
CORRECTIONS REQUIRED CORRECTED BY DATE					
MICRO-FILM INFORMATION					
RECORDED BY DATE					
NO.					


[illegible]

SITE AMENITIES LEGEND

APPX. QTY.	MANUFACTURER	MODEL NO.	DESCRIPTION	NOTES
1	KAY PARKS 1.800.553.2476	#KP 38WC-2	HANDICAP ACCESSIBLE DRINKING FOUNTAIN. (NON-FREEZE PROOF MODEL.)	GREEN EPOXY FINISH
2	MATERIALS, INC. 1.505.867.9035	#TR-3329-111	RICONADA III LITTER RECEPTACLE, COLOR: DAVIS COLOR OMAHA TAN WITH GRAFFITI COATING	SEE DETAIL 6, SHEET D-4.
5	MATERIALS, INC. 1.505.867.9035	#BN-2864	SEQUOIA BENCH WITH CONCRETE BACK COLOR: DAVIS COLOR OMAHA TAN WITH GRAFFITI COATING	SEE DETAIL 5, SHEET D-4.
7	MATERIALS, INC. 1.505.867.9035	#TS-3490	NEW MEXICAN TABLE AND BENCHES COLOR: DAVIS COLOR OHMAHA TAN WITH GRAFFITI COATING	SEE DETAIL 2, SHEET D-4. HANDICAP ACCESSIBLE 3 TABLES HAVE 1/2 BENCH ON ONE SIDE 4 TABLES HAVE FULL BENCH ON BOTH SIDES.
15	WABASH VALLEY 1.800.253.8619	#BL1436	36" BIKE LOOP	SEE DETAIL 1, SHEET D-4. COLOR: GREEN
3	PLAYWORLD SYSTEM, INC 1.800.726.1816	#1085	4 1/2" BENT POST BASKETBALL GOAL W/PAINTED ALUMINUM BACKBOARD	SEE DETAILS 1-5, SHEET D-1.
3	PLAYWORLD SYSTEM, INC 1.800.726.1816	#1088	3 1/2" ADJUSTABLE BASKETBALL GOAL W/PAINTED ALUMINUM BACKBOARD	SEE DETAILS 3-5, SHEET D-1.
6	GAREDENSWARTZ TEAM SALES 1.505.884.1234	#BA39U	FRONT MOUNT PLAYGROUND GOAL WITH CHAIN NET	
6	GAREDENSWARTZ TEAM SALES 1.505.884.1234	#BA53	STANDARD CHAIN NET	
1	GAMETIME 1.800.235.2440	#739	VOLLEYBALL NET	
1	GAMETIME 1.800.235.2440	#137	PAIR OF PERMANENT VOLLEYBALL POSTS	SEE DETAILS 5-6, SHEET D-2.


PLAY EQUIPMENT LEGEND

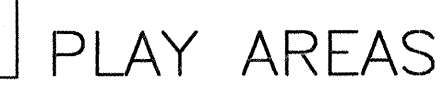
APPX. QTY.	MANUFACTURER	MODEL NO.	DESCRIPTION	NOTES
1	KOMPAN 1.800.448.0429	#MQ 200301	MOSAIQ COMBINATION SYSTEM	
1	KOMPAN 1.800.448.0429	#M 947-32	SWING SET FOR TWO SWINGS	W/ TODDLER SWING SEATS
1	KOMPAN 1.800.448.0429	#M 117	RABBIT SPRING-BASED RIDER	
1	KOMPAN 1.800.448.0429	#M 128	DAISY SPRING-BASED RIDER	
2	PLAYWORLD SYSTEM, INC 1.800.726.1816	#0415	E-Z DIGGER	
1	"	#0420	E-Z DIGGER	
1	PLAYWORLD SYSTEM, INC 1.800.726.1816	#350-565	CHALLENGER W/O SLIDING POLE W/ 1210 CLIMB ACROSS	PLASTICS COLOR: BEIGE POSTS COLOR: SAGE COMPONENTS COLOR: TERRA COTTA
1	RECREATION CREATIONS, INC. 1.800.698.5956	#90-1004	ARCHED FRAME SWING WITH BELT SEAT	COLOR: FOREST GREEN

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		LANDSCAPE ARCHITECT'S SEAL	
CONTRACTOR				FIELD NOTES			
WORK STARTED BY				NO.			
DATE				BY			
ACCEPTANCE BY				DATE			
FIELD DRAWINGS						REMARKS	BY
DATE						NO.	DATE
DATE						DESIGNED BY	AD
DATE						DRAWN BY	WBT
DATE						CHECKED BY	RAB
DATE							
NO.							

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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: HIGH DESERT SITE AMENITIES LEGEND			
	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.
			MO./DAY/YR.
			MO./DAY/YR.
			MO./DAY/YR.
CITY PROJECT NO.	5163.91	ZONE MAP NO. E-23-Z	SHEET D7 OF 30 29 30



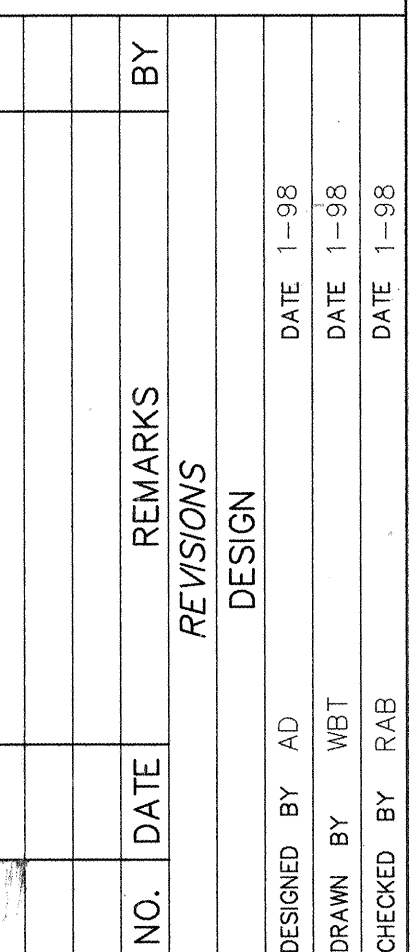
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E14	X=428466.2677/Y=1511219.5945

NORTH

0 5' 10' 20'

SCALE: 1"=10'-0"

STATE OF NEW MEXICO
Keith D. Simon
 KEITH D. SIMON
 266
 REGISTERED
 LANDSCAPE ARCHITECT



	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
CITY PROJECT NO.	5163.91	ZONE MAP NO. E-23-Z	SHEET D8 30	OF 30