

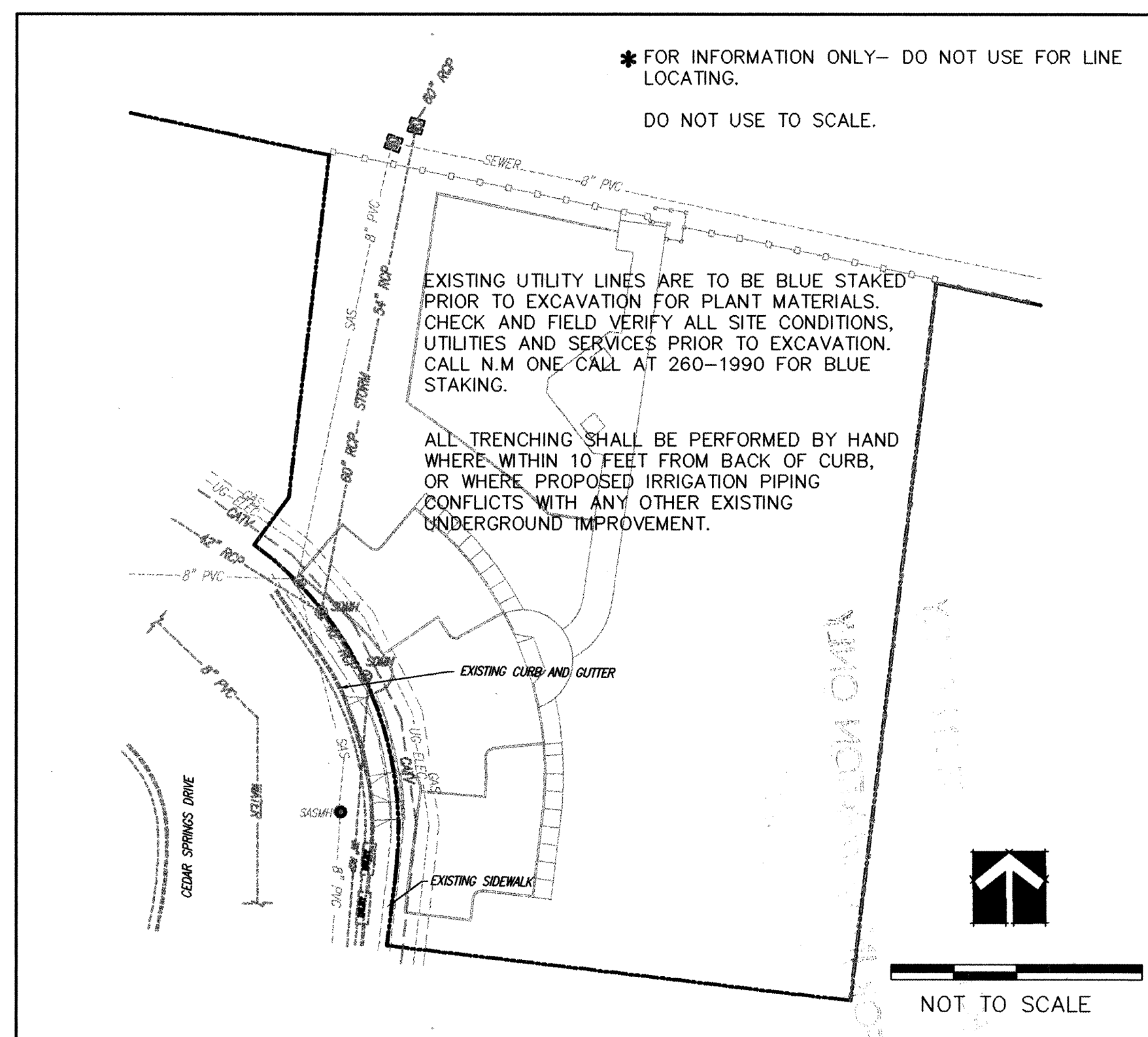
PARADISE MEADOWS PARK

10425 CEDAR SPRINGS DR. NW
CITY OF ALBUQUERQUE

PARKS AND RECREATION DEPARTMENT

SITE IMPROVEMENTS

EXISTING UTILITY LOCATIONS



INDEX

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7	IRRIGATION DETAILS
8-9	TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF MUTCD) SIGNING & CONSTRUCTION TRAFFIC CONTROL STANDARDS

SITE ACREAGE

TOTAL PARK SITE:	9.8 AC.
PHASE ONE AREA:	48,815 SF 1.12 AC.
TURFGRASS AREA:	18,000 SF

FOR INFORMATION ONLY

CONSTRUCTION NOTES:

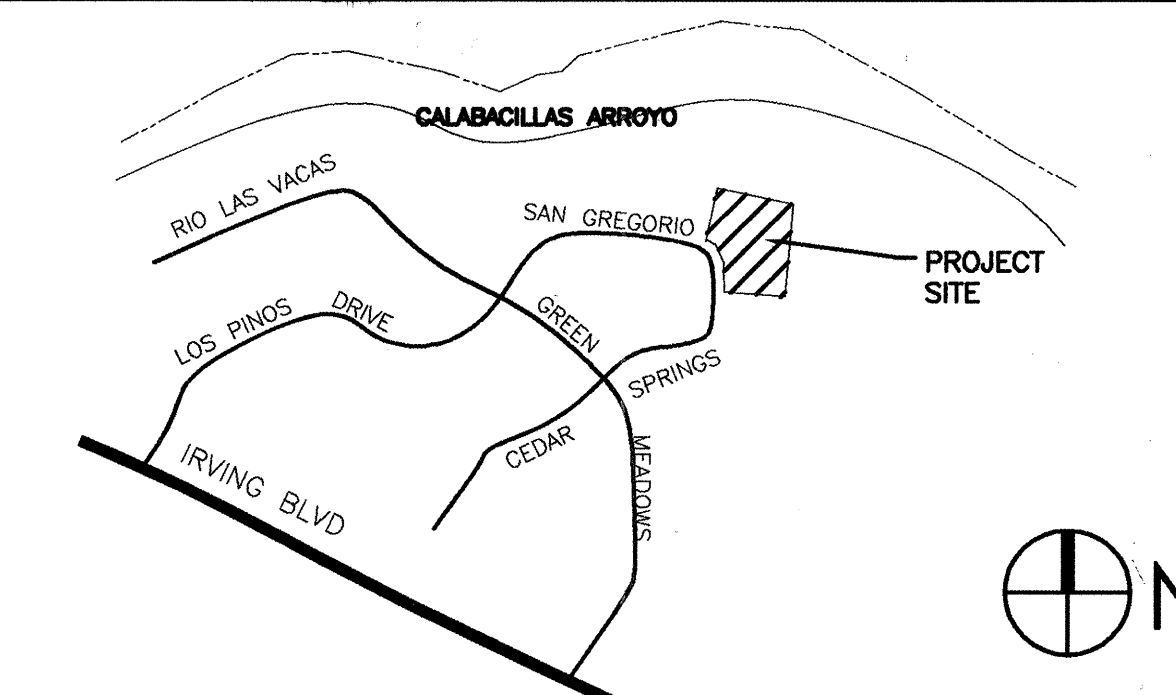
- WHEN ABUTTING NEW CURB AND GUTTER TO EXISTING PAVEMENT, A 1' WIDE SECTION OF EXISTING PAVEMENT ADJACENT TO THE CURB AND GUTTER SHALL BE SAWCUT, REMOVED, AND REPLACED AS PER THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION OBSERVER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- ~~TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT "NEW MEXICO ONE CALL" LINE LOCATING SERVICE FOR LOCATION OF EXISTING UTILITIES.~~ **SEE NOTE #2 ABOVE**
- ALL ELECTRICAL, TELEPHONE, CABLE TV, GAS AND OTHER UTILITY LINES, CABLES, AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION, SHALL BE COORDINATED WITH THAT UTILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL NECESSARY UTILITY ADJUSTMENTS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCES CAUSED BY UTILITY COMPANY WORK CREWS. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE HIS ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK.
- A DISPOSAL SITE FOR ALL EXCESS EXCAVATION MATERIAL, AND UNSUITABLE MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE CONSTRUCTION OBSERVER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE AND HAUL THERE TO SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.
- THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE EXISTING UTILITY LINES 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 CONSTRUCTION OBSERVER.
- 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.
- OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC LANES. 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 AND EXCAVATION PERMITS, 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.
- ALL PERMANENT PAVEMENT MARKING AND TRAFFIC SIGNING SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR PER PLAN.
- THE CONTRACTOR SHALL PREPARE A CONSTRUCTION TRAFFIC CONTROL AND SIGNING PLAN AND OBTAIN APPROVAL OF SUCH PLAN FROM THE CITY OF ALBUQUERQUE, TRAFFIC ENGINEERING DEPARTMENT, PRIOR TO BEGINNING ANY CONSTRUCTION WORK ON OR ADJACENT TO EXISTING STREETS.
- ALL BARRICADES AND CONSTRUCTION SIGNING SHALL CONFORM TO APPLICABLE SECTIONS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), U.S. DEPARTMENT OF TRANSPORTATION, LATEST EDITION.
- THE CONTRACTOR SHALL MAINTAIN ALL CONSTRUCTION BARRICADES AND SIGNING AT ALL TIMES. THE CONTRACTOR SHALL VERIFY THE PROPER LOCATION OF ALL BARRICADING AT THE END AND BEGINNING OF EACH DAY.
- ALL SAWCUT PAVEMENT SHALL HAVE A UNIFORM EDGE AND BE SPRAYED WITH TACK.

APPROVED FOR CONSTRUCTION:

John M. Kelly
for JOHN KELLY P.E.
EXECUTIVE ENGINEER

DATE 3-7-02

ALBUQUERQUE METROPOLITAN ARROYO
FLOOD CONTROL AUTHORITY



NOTICE TO CONTRACTORS

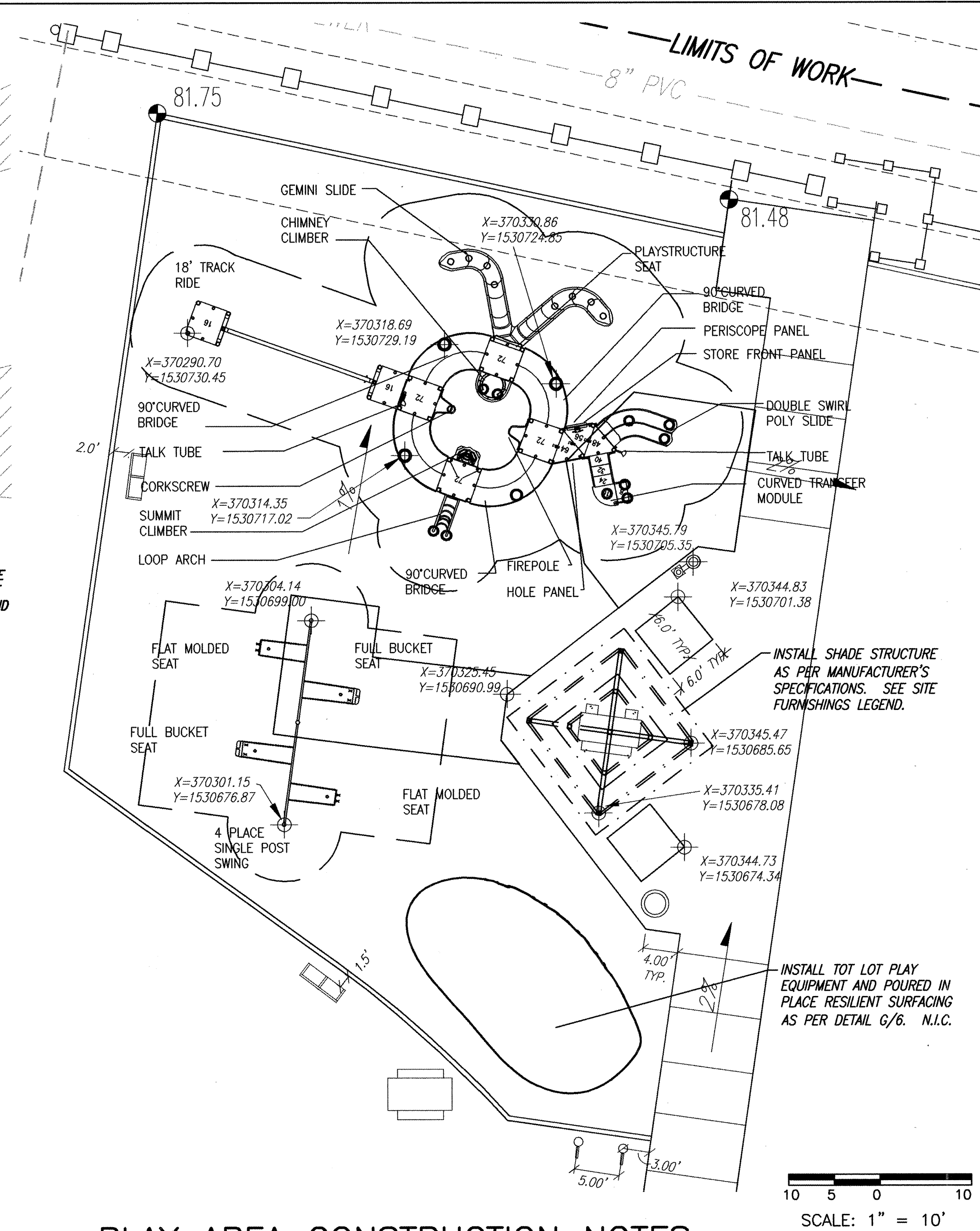
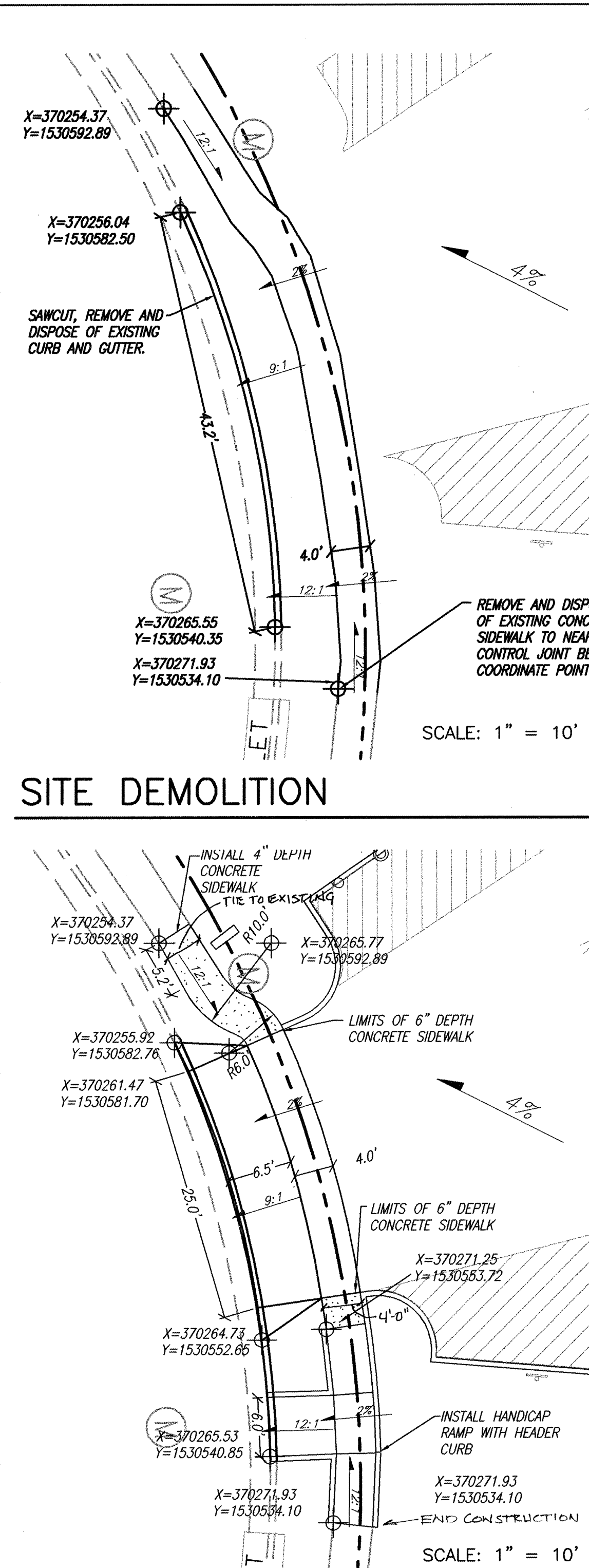
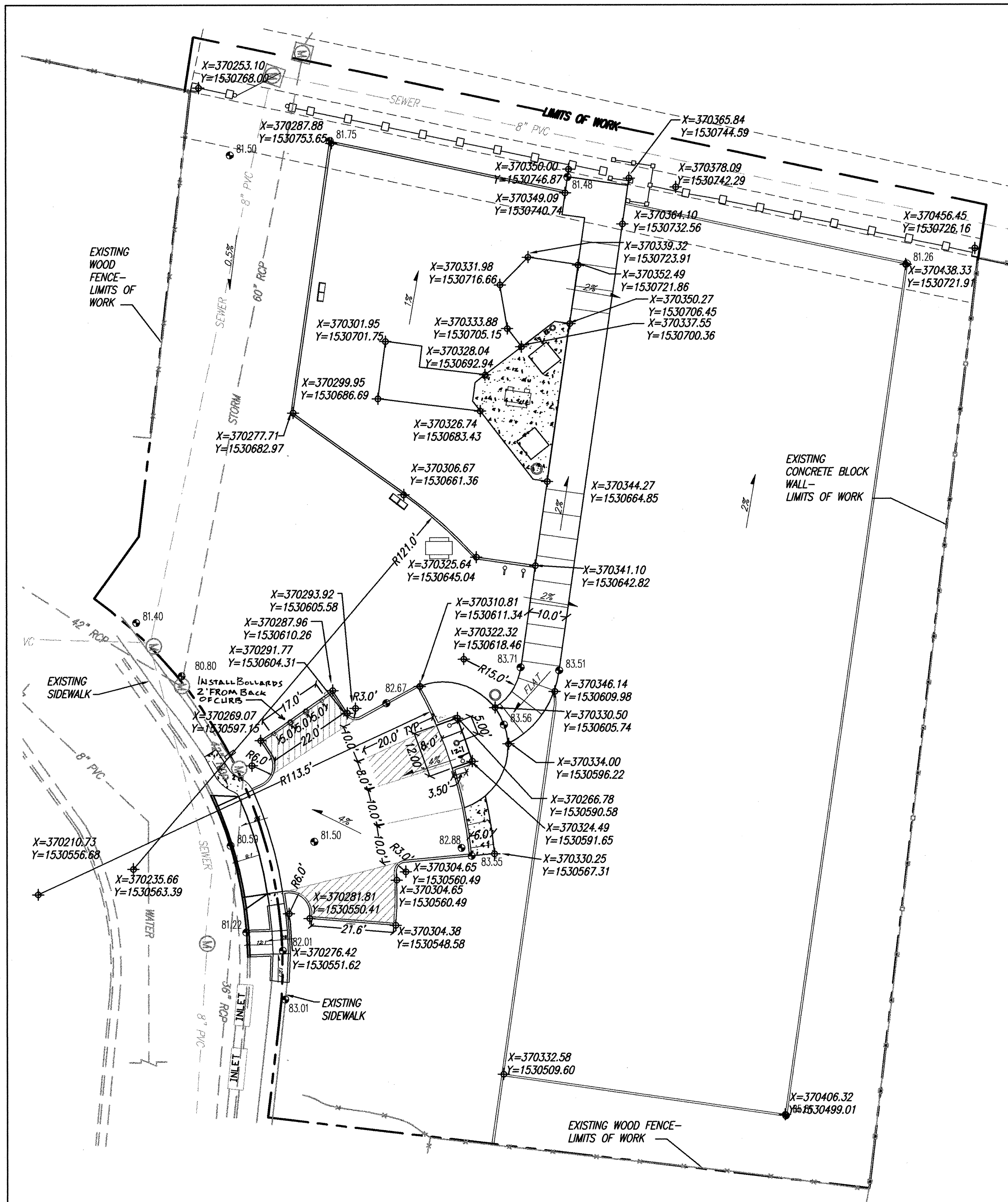
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS AMENDED THROUGH UPDATE No.6.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- 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 (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
- ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY CONTRACTOR TO LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET.
- CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS. ANY PERMANENT SURVEY MONUMENT LOCATED WITHIN 50' OF THE PROJECT LIMITS NOT SHOWN ON THE PLANS THAT IS DESTROYED DURING CONSTRUCTION WILL BE REPLACED AT DESIGNER'S EXPENSE.
- CONTRACTOR SHALL EXERCISE CAUTION WHEN WORKING IN THE VICINITY OF EXISTING CITY FACILITIES. ANY DAMAGED ITEMS SHALL BE REPAIRED OR REPLACED IN KIND, AS DETERMINED BY THE OWNER'S REPRESENTATIVE. REPLACEMENTS SHALL BE AT THE CONTRACTOR'S EXPENSE, AS PER C.O.A. SPECS.
- CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

- ☐ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ☒ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- ☐ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
- ☐ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☐ IF CURB IS DEPRESSIONED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
- ☐ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
- ☐ THE REQUESTOR OR DEVELOPER SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ALL CURB AND GUTTER OR SIDEWALK DAMAGED AFTER APPROVAL BY THE CITY ENGINEER OF WORK COMPLETED BY THE CONTRACTOR.

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS	ENGINEER	DATE	APPROVED FOR CONSTRUCTION		
		DRC Chairman	<i>[Signature]</i>	3-8-02	<i>[Signature]</i> 3/8/02 City Engineer Date		
		Transportation	<i>[Signature]</i>	3-8-02			
		NM Utilities	<i>[Signature]</i>	3-8-02			
		Hydrology	<i>[Signature]</i>	3-8-02			
		Parks	<i>[Signature]</i>	3-8-02			
		Const. Coordinat.	<i>[Signature]</i>	3-8-02			
		CITY PROJECT NO.		6597.02		SHEET 1 OF 9	

03-08-02



PLAY AREA CONSTRUCTION NOTES

NOTE: MANUFACTURER SHALL BE RESPONSIBLE FOR FULFILLING ALL NECESSARY REQUIREMENTS FOR SHED INSTALLATION, INCLUDING PERMITS, ENGINEER'S STAMPS, ETC. MANUFACTURER SHALL SUBMIT STAMPED SHOP DRAWINGS TO OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO INSTALLATION.

ALL PLAYGROUND EQUIPMENT SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS, ASTM SPECIFICATIONS AND CPSC GUIDELINES FOR PLAYGROUND SAFETY. SHOULD FIELD CONDITIONS CONFLICT WITH PROPER INSTALLATION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE OWNER'S REPRESENTATIVE FOR CLARIFICATION, PRIOR TO INSTALLATION OF EQUIPMENT.

CONTRACTOR SHALL PROVIDE A THIRD PARTY AUDIT OF THE INSTALLATION OF ALL PLAY EQUIPMENT FOR CPSC AND ASTM COMPLIANCE PRIOR TO INSTALLATION OF POURED IN PLACE SURFACING. AUDIT TO BE PERFORMED BY N.P.S.I. CERTIFIED PLAYGROUND AUDITOR. ONCE THE AUDIT HAS CONFIRMED THAT THE PLAY EQUIPMENT HAS BEEN INSTALLED PROPERLY, THE PROJECT MANAGER SHALL NOTIFY THE CONTRACTOR THAT PLAY AREA INSTALLATION WORK MAY CONTINUE. POURED IN PLACE RESILIENT SURFACING SHALL BE INSTALLED AND AUDITED FOR ASTM COMPLIANCE. WRITTEN RESULTS OF AUDIT TO BE PROVIDED TO CITY PROJECT MANAGER PRIOR TO FINAL PROJECT ACCEPTANCE.

PLAY AREA ENLARGEMENT

PLAY BOOSTER STRUCTURE AS MANUFACTURED BY LANDSCAPE STRUCTURES. CONTACT DAVID SMITH AT EXERPLAY (505) 281-0151.

AGE 5-12 PLAY STRUCTURE PARTS LIST

PART NUMBER	DESCRIPTION	COLOR
111404M	148 STEEL POST	MAROON
111404N	140 STEEL POST	MAROON
111404O	132 STEEL POST	MAROON
111404P	124 STEEL POST	MAROON
111404T	92 STEEL POST	MAROON
123320B	TRANSFER MODULE RIGHT	MAROON
121948A	KICK PLATE	MAROON
111228A	SQUARE TENDER DECK	BROWN
111231A	TRIANGULAR TENDER DECK	BROWN
116244A	PIPE BARRIER	BROWN
115253A	HOLE PANEL	TAN
117957A	PERISCOPE PANEL	TAN
115254A	STORE FRONT PANEL	TAN
130798A	DOUBLE SWIRL POLY SLIDE	GREEN
130800F	GEMINI SLIDE	GREEN
120211A	CURVED BRIDGE	MAROON
123537C	CORKSCREW	MAROON
122914C	LOOP ARCH	MAROON
128608A	SUMMIT CLIMBER	TAN
112465A	TRACK RIDE	MAROON
123393C	FIRE POLE	MAROON
120818A	PLAYSTRUCTURE SEAT	MAROON
111363V	TALK TUBE	MAROON
111363A	TALK TUBE	MAROON
111362A	TALK TUBE TUBING KIT	MAROON
129969B	CHIMNEY CLIMBER	MAROON

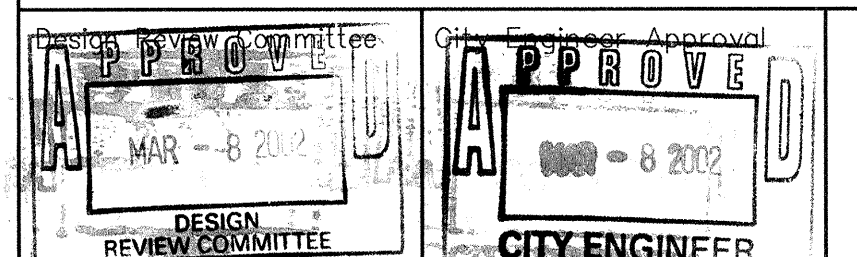
INDEPENDENT SWINGS PARTS LIST

PART NUMBER	DESCRIPTION	COLOR
122837C	SGL POST SWING, 4 PLACE, W/OUT SEATS	MAROON
100052A	FLAT MOLDED SEATS (2)	MAROON
100055A	FULL BUCKET SEATS (2)	MAROON

FOR INFORMATION ONLY

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

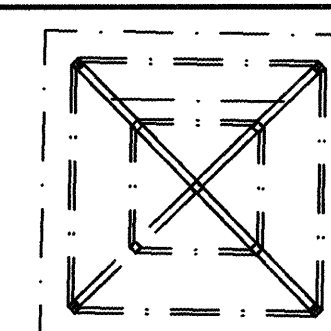
PARADISE MEADOWS PARK LAYOUT AND DIMENSIONING PLAN



City Project No. 6597.02
Zone Map No. A-12
Sheet 2 Of 9

SITE FURNISHINGS LEGEND

- ACCESSIBLE PICNIC TABLE— LANDSCAPE STRUCTURES 7" RECYCLED PLASTIC PICNIC TABLE— MODEL # LSI 113139K SURFACE MOUNT. COLOR: MAROON. CONTACT: DAVID SMITH @ EXERPLAY, 281-0151.
- LANDSCAPE STRUCTURES 7" RECYCLED PLASTIC PICNIC TABLE, MODEL LSI 113139L INGROUND MOUNT. COLOR: MAROON. CONTACT: DAVID SMITH, EXERPLAY 281-0151.
- BENCH— LANDSCAPE STRUCTURES 5" RECYCLED PLASTIC BENCH, W/(3) ARMS. MODEL #LSI 111640C, INGROUND MOUNT. ARM REST MODEL #LSI 114767A. COLOR: MAROON. CONTACT: DAVID SMITH @ EXERPLAY, 281-0151.
- BIKE RACK— BOLLARD CYCLOOPS, MODEL #2171-E-C, AS MANUFACTURED BY TIMBER FORM. FACTORY PRIMED, EMBEDDED. CONTRACTOR SHALL APPLY (2) COATS INDUSTRIAL ENAMEL HS AS MFG BY SHERWIN WILLIAMS. COLOR: CRIMSON RED RB 2906. CONTACT: MIKE WOODS W/ WOODS SITE 1-888-688-2132.
- TRASH RECEPTACLE— MC CLINTOCK METAL TRASH RECEPTACLE, MODEL #RSD-25. SURFACE MOUNT. COLOR: GREEN. CONTACT: MC CLINTOCK METAL 1-800-350-3588.
- DRINKING FOUNTAIN— MDF MODEL #410 SM SURFACE MOUNT. COLOR: GREEN. CONTACT: DAVID SMITH @ EXERPLAY. 281-0151.---N.I.C.



MATERIALS LEGEND

4" DEPTH CONCRETE SIDEWALK
NOTE: ALL CONCRETE TO BE 6" DEPTH UNLESS OTHERWISE SHOWN ON THE PLANS.

PLAY AREA FINE SAND

SCREEN SIZE	PERCENT PASSING THROUGH SCREEN
#16	100
#30	98
#50	62
#100	17
#200	0-1

LAYOUT PLAN

LAYOUT NOTES

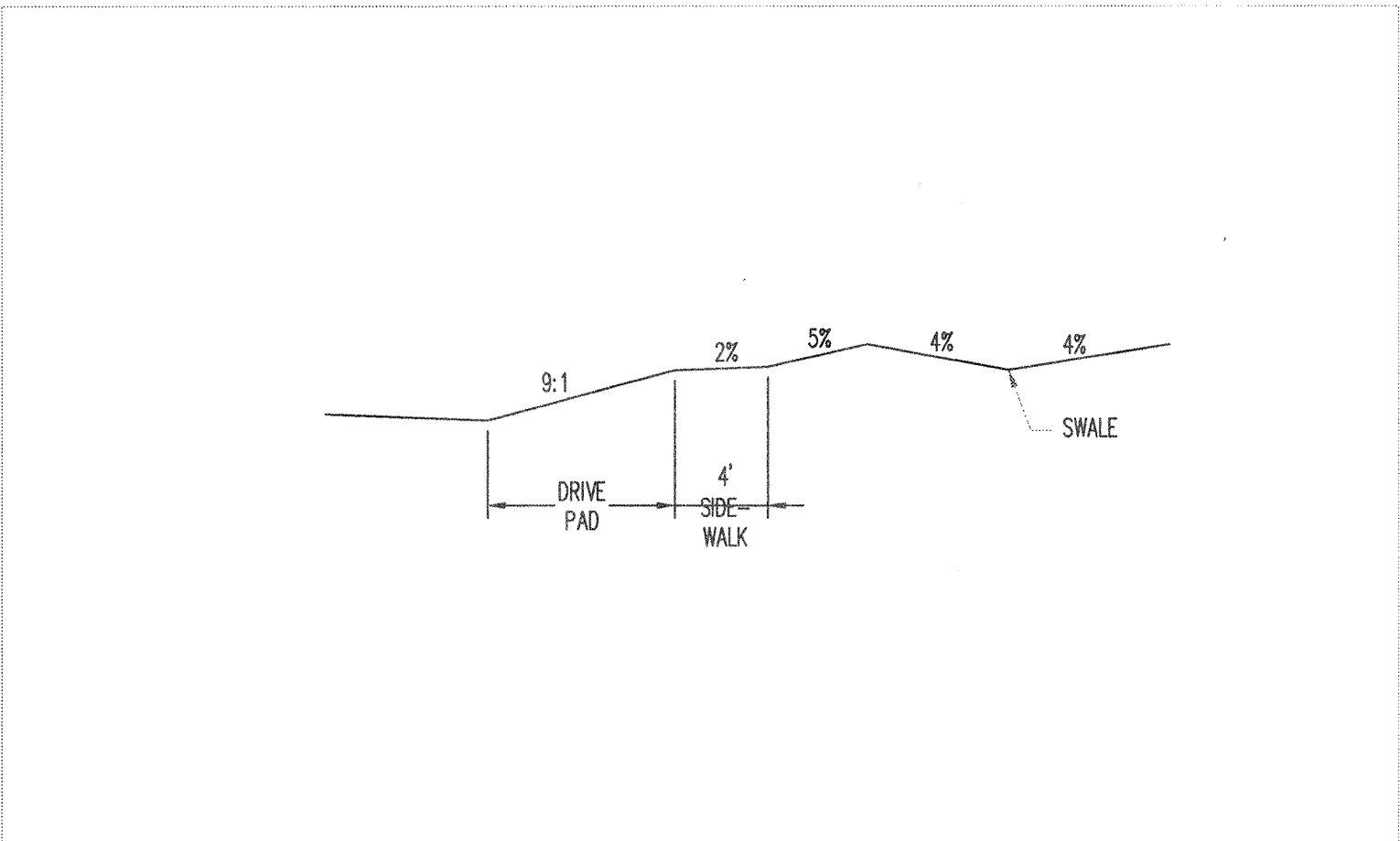
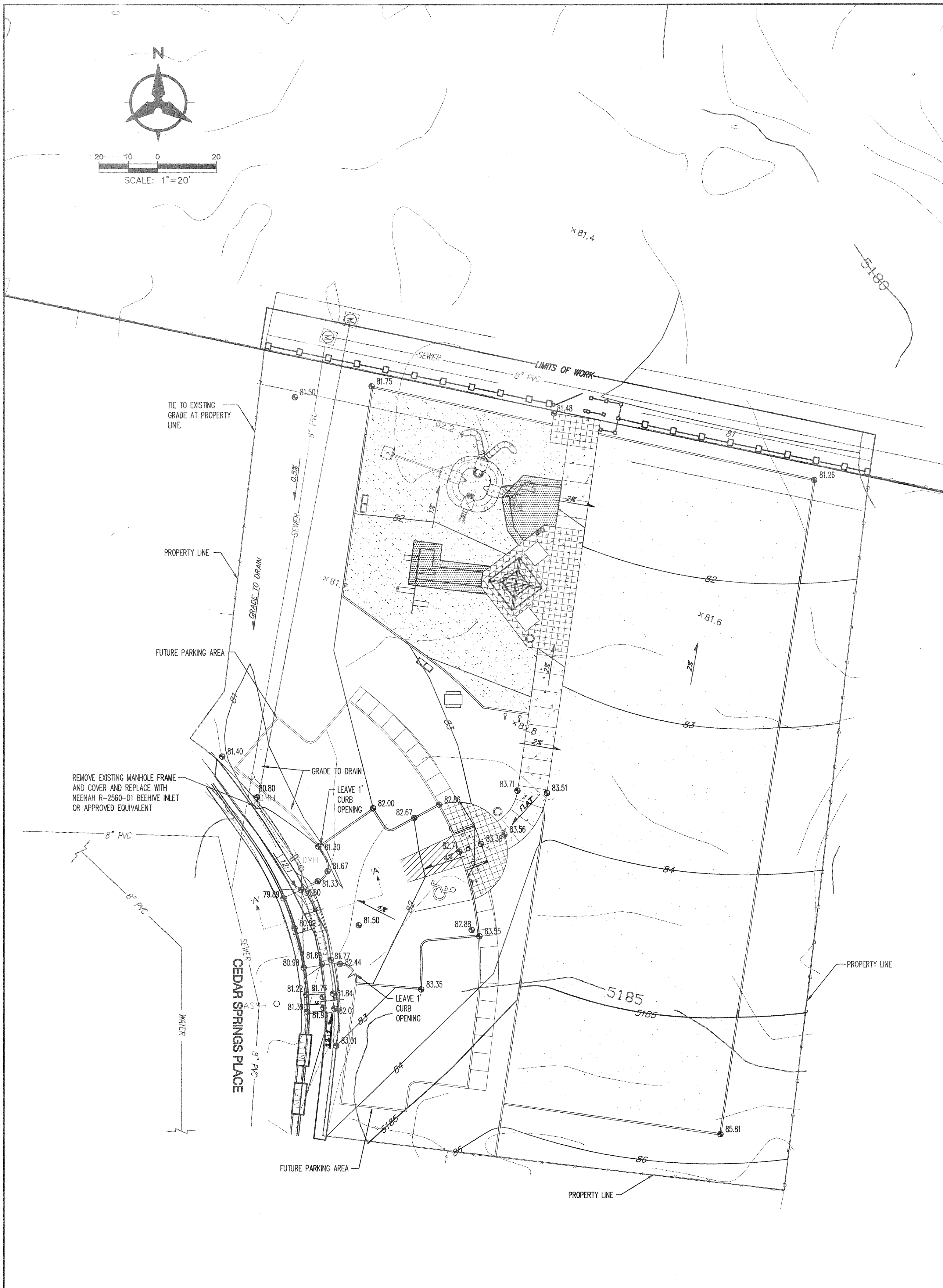
NOTE: SPOT ELEVATIONS ARE PROVIDED FOR REFERENCE ONLY. SEE GRADING PLANS, SHEETS 3/9.

COORDINATE DATA

COORDINATE SYSTEM IS BASED ON THE NEW MEXICO MODIFIED STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 27.

PROPOSED COORDINATE POINT
X=402047.56
Y=474843.67

NOTE: P.O.B. SEE BENCHMARK INFORMATION THIS SHEET.



SECTION 'A-A'

DRAINAGE FACILITIES WITHIN CITY RIGHT-OF-WAY
NOTICE TO CONTRACTOR

1. ANY EXCAVATION/CONSTRUCTION PERMIT SHALL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN A CITY RIGHT OF WAY.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" 1985.
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 766-4234, FOR LOCATION OF EXISTING UTILITIES.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL CONSTRUCTION. SHOULD A CONFLICT EXISTING, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. BACK FILL COMPACTION SHALL BE ACCORDING TO TRAFFIC/STREET USE.
6. MAINTENANCE OF THE FACILITY SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY BEING SERVED.
7. WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR BASIS.

LEGEND

- EXISTING CONTOURS
- EXISTING SPOT ELEVATION
- PROPOSED INDEX CONTOURS
- PROPOSED INTERMEDIATE CONTOURS
- PROPOSED SPOT ELEVATIONS

GRADING NOTES

1. CONTRACTOR SHALL CLEAR ENTIRE SITE TO REMOVE TRASH, DEBRIS, CONCRETE, TUMBLEWEEDS, ETC. ALL EXISTING BOULDERS SHALL REMAIN ON SITE FOR USE AS DIRECTED.
2. CONTRACTOR SHALL PROTECT EXISTING VEGETATION ON SITE IN ALL AREAS NOT SHOWN TO BE GRADED OR DISTURBED.
3. SPOT ELEVATIONS ON CURB REFER TO TOP OF CURB UNLESS OTHERWISE NOTED.

FOR INFORMATION ONLY

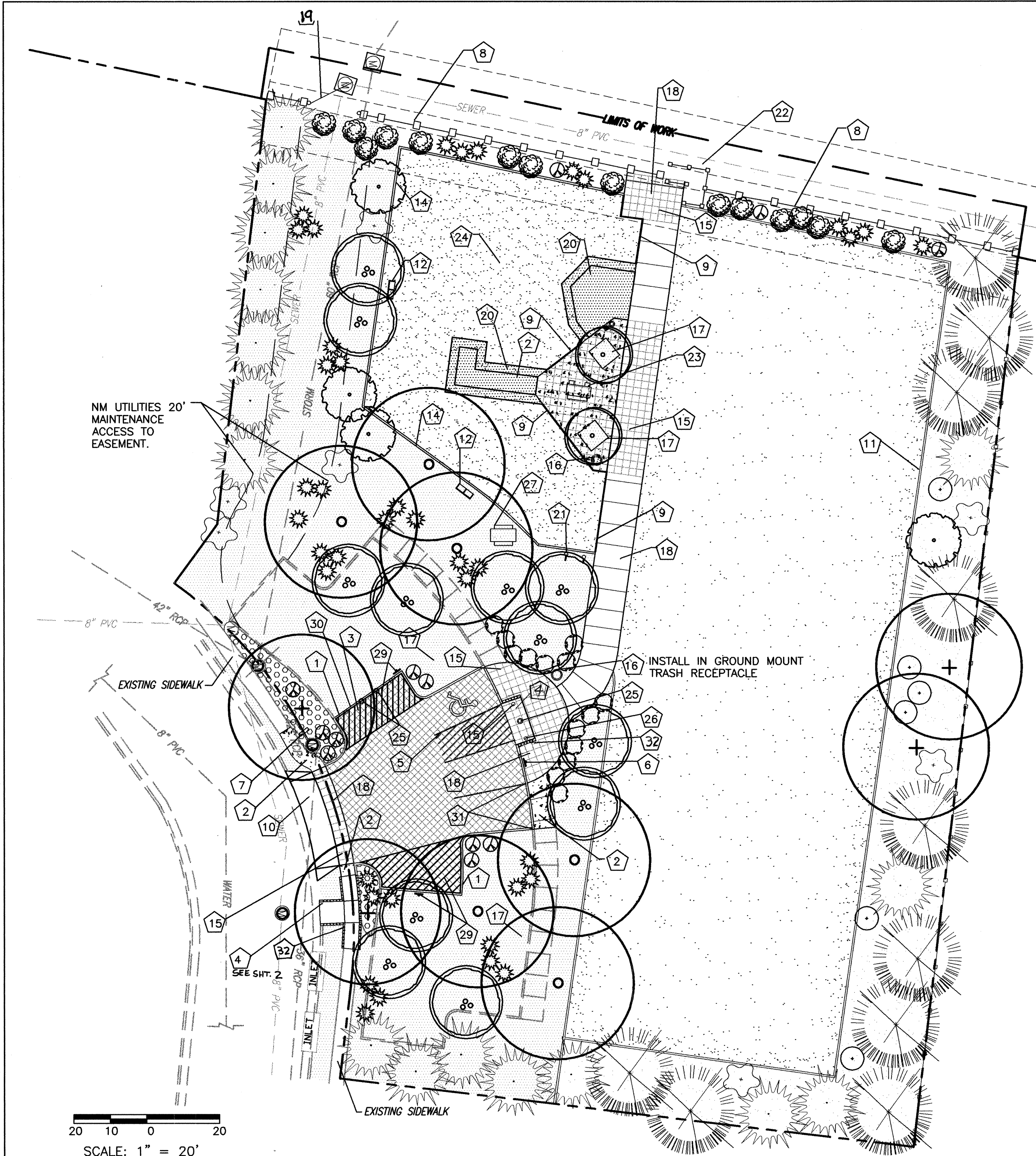
Bohannon & Huston
Courtyard One 7500 JEFFERSON NE Albuquerque NEW MEXICO 87109
ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS SOFTWARE DEVELOPERS

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
PARADISE MEADOWS PARK
GRADING PLAN

Design Review Committee: **APPROVED** MAR - 8 2002
City Engineer Approval: **APPROVED** MAR - 8 2002
CITY ENGINEER

City Project No. _____ Zone Map No. **A-12** Sheet **3** Of **10**

Designated By: H.F. DATE: 02/25/02
Drawn By: S.F.G. DATE: 02/25/02
Checked By: H.F./C.W.H. DATE: 02/25/02



PLANT LEGEND INSTALL ALL PLANT MATERIAL AS PER C.O.A. STANDARD DETAILS 2714, 2715, 2716, OR 2717.

Symbol	Botanical Name	Common Name	Qty	Size/Notes	Ht x Spr
	<i>Celtis occidentalis</i>	HACKBERRY	8	2 1/2" CAL.	40' x 40'
	<i>Quercus macrocarpa</i>	BUR OAK	11	2 1/2" CAL.	40' x 40'
	<i>Pinus nigra</i>	AUSTRIAN PINE	14	8' HT.	35' x 25'
	<i>Forestiera neomexicana</i>	NEW MEXICO OLIVE	4	15 GAL.	15' x 15'
	<i>Cercis occidentalis</i>	WESTERN REDBUD	2	15 GAL.	15' x 20'
	<i>Chilopsis linearis</i>	DESERT WILLOW	5	15 GAL. MULTI TRUNK	20' x 25'

Symbol	Botanical Name	Common Name	Qty	Size/Notes	Ht x Spr
	<i>Pinus edulis</i>	PINON PINE	14	8' HT.	20' x 25'
	<i>Cercocarpus ledifolius</i>	CURL LEAF MOUNTAIN MAHOGANY	6	5 GAL.	10' x 10'
	<i>Chrysothamnus nauseosus</i>	CHAMISA	14	5 GAL.	6' x 6'
	<i>Caesalpinia gilliesii</i>	BIRD OF PARADISE	6	5 GAL.	10' x 10'
	<i>Fallugia paradoxa</i>	APACHE PLUME	33	5 GAL.	5' x 5'
	<i>Ephedra torreyana</i>	JOINT FIR	12	5 GAL.	4' x 4'
	<i>Rosemarinus officinalis "Arp"</i>	ARP ROSEMARY	14	1 GAL.	18" x 24"

KEYED CONSTRUCTION NOTES

- INSTALL 8" HT. STD. CURB AND GUTTER AS PER C.O.A. STD DWG #2415.
- INSTALL 4" DEPTH CONCRETE SIDEWALK AS PER C.O.A. STD DWG #2430.
- INSTALL ASPHALT PAVEMENT AT PARKING LOT AS PER DETAIL E/6.
- INSTALL WHEELCHAIR RAMP.
- INSTALL PARKING LOT STRIPING AS PER DETAIL C/6.
- INSTALL HANDICAP SIGN AND STRIPING AS PER DETAIL C/6 AND D/6.
- INSTALL STANDARD CITY OF ALBUQUERQUE PARK SIGN.
- INSTALL HIGH TENSILE FENCING AS PER DETAIL B/6.
- INSTALL TURN DOWN SLAB AS PER C.O.A. STD DWG. # 2728.
- INSTALL DRIVEPAD AS PER C.O.A. STD DWG. #2425.
- INSTALL CONCRETE MOWSTRIP AS PER COA STANDARD DETAIL #2726.
- INSTALL BENCHES AS PER MANUFACTURER'S SPECIFICATIONS. SEE SITE FURNISHINGS LEGEND.
- INSTALL SHADE STRUCTURE AS PER MANUFACTURER'S SPECIFICATIONS. SEE SITE FURNISHINGS LEGEND. SEE SHEET 2 OF 9.
- INSTALL EDGER CURB AT PLAY AREA AS PER C.O.A. STD. DETAIL 2729.
- INSTALL SPECIALTY PAVING STAIN AT SIDEWALK AND INSTALL 2' X 2' SCORE JOINTS AS SHOWN ON THE PLAN.
- INSTALL TRASH RECEPTACLE AS PER MANUFACTURER'S SPECIFICATIONS. SEE SITE FURNISHINGS LEGEND.
- INSTALL 3" DEPTH OF SAN LAZARUS TAN CRUSHER FINES.
- INSTALL 6" DEPTH CONCRETE SIDEWALK AS PER COA STD DTL #2430.
- INSTALL VEHICLE ACCESS CONTROL GATE (12' WIDE) WITH BOLLARDS AS PER C.O.A. STD DETAIL #2251.
- INSTALL POURED IN PLACE RESILIENT SURFACING AS PER MANUFACTURER'S RECOMMENDATIONS AND AS PER DETAIL A/6. SEE MATERIALS LEGEND.
- INSTALL BIKE RACK AS PER MANUFACTURER'S RECOMMENDATIONS. SEE MATERIALS LEGEND. SEE SHEET 2 OF 9.
- INSTALL PEDESTRIAN WALKTHRU GATE AS PER DETAIL F/6.
- INSTALL ADA PICNIC TABLE AS PER MANUFACTURER'S RECOMMENDATIONS. SEE SITE FURNISHINGS LEGEND.
- INSTALL 12" UNCOMPRESSED DEPTH FINE SAND AS PER OPCS DOCUMENT #3005, PLAYGROUND SURFACING MATERIALS, INCLUDING APPENDIX B.
- INSTALL COLLAPSIBLE BOLLARD AS PER MANUFACTURER'S RECOMMENDATIONS.
- INSTALL IMMOVABLE BOLLARD AS PER MANUFACTURER'S RECOMMENDATIONS.
- INSTALL RECYCLED PLASTIC PICNIC TABLE AS PER MANUFACTURER'S RECOMMENDATIONS. SEE SITE FURNISHINGS LEGEND.
- INSTALL 4" LAYER OF 2" TO 4" SAN LAZARUS TAN COBBLE.
- INSTALL "NO PARKING" SIGN #R 7-1 AS PER SHEET 8 OF 9. INSTALL STRIPING AS PER DETAIL C/6.
- INSTALL RUNDOWN CURB AS PER COA STD DETAIL #2415.
- INSTALL DEPRESSED GUTTER AS PER COA STD DETAIL #2415.
- INSTALL 8" HEADER CURB AS PER COA STD DTL. # 2415 TRANSITION HT. AS REQUIRED.

MATERIALS LEGEND

- 15" VEHICLE PIPE GATE
- HIGH TENSILE FENCING
- 4" DEPTH CONCRETE SIDEWALK ALL CONCRETE SHALL BE 6" DEPTH UNLESS OTHERWISE SHOWN ON THE PLAN.
- POURED IN PLACE RESILIENT SURFACING AS MANUFACTURED BY SURFACE CREATIONS. COLOR: TAN AND BLACK. CONTACT: LEISURE DESIGN 1-800-543-2232.
- PLAY AREA SAND-12" DEPTH UNCOMPRESSED FINE SAND SEE SHEET 2 OF 9.
- CRUSHER FINES SURFACING
- ASPHALT PAVING AT PARKING LOT
- TURFGRASS- SEED AS PER C.O.A. STANDARD SPECIFICATIONS FOR TURFGRASS.
- SPECIALTY PAVING- SCORE CONCRETE 2" O.C. AND STAIN WITH BOMANITE CHEMICAL STAIN, COLOR: PINE
- RECLAMATION SEED MIX AS PER C.O.A. STD SPECIFICATIONS. (WEST SIDE MIX) DELETE SALT BUSH SEE AND HAY MULCH. DOUBLE SEED RATE. USE HYVRO-MULCH.
- COBBLE MULCH

SITE FURNISHINGS LEGEND

- ACCESSIBLE PICNIC TABLE- LANDSCAPE STRUCTURES 7" RECYCLED PLASTIC PICNIC TABLE- MODEL # LSI 113139K SURFACE MOUNT. COLOR: MAROON. CONTACT: DAVID SMITH @ EXERPLAY, 281-0151.
- LANDSCAPE STRUCTURES 7" RECYCLED PLASTIC PICNIC TABLE, MODEL LSI 113139J, INGROUND MOUNT. COLOR: MAROON. CONTACT: DAVID SMITH, EXERPLAY 281-0151.
- BENCH- LANDSCAPE STRUCTURES 5" RECYCLED PLASTIC BENCH, W/(3) ARMS. MODEL #LSI 111640G, INGROUND MOUNT. ARM REST MODEL #LSI 114767A. COLOR: MAROON. CONTACT: DAVID SMITH @ EXERPLAY, 281-0151.
- IMMOVABLE BOLLARD- 32" HEIGHT METAL BOLLARD, AS MANUFACTURED BY PRO-STOP. INSTALL AS PER MANUFACTURER'S RECOMMENDATIONS. BOLLARD TO BE FACTORY PRIMED. CONTRACTOR SHALL APPLY (2) COATS INDUSTRIAL ENAMEL HS AS MFG BY SHERWIN WILLIAMS. COLOR: CRIMSON RED RB 2906. CONTACT: 1-800-BOLLARD. CONTRACTOR SHALL PROVIDE (1) EXTRA BOLLARD TO PARK MANAGEMENT.
- COLLAPSIBLE BOLLARD- 32" HEIGHT METAL BOLLARD, AS MANUFACTURED BY PRO-STOP. INSTALL AS PER MANUFACTURER'S RECOMMENDATIONS. BOLLARD TO BE FACTORY PRIMED. CONTRACTOR SHALL APPLY (2) COATS INDUSTRIAL ENAMEL HS AS MFG BY SHERWIN WILLIAMS. COLOR: CRIMSON RED RB 2906. CONTACT: 1-800-BOLLARD. CONTRACTOR SHALL PROVIDE (1) EXTRA BOLLARD TO PARK MANAGEMENT.
- BIKE RACK- BOLLARD CYCLOOPS, MODEL #2171-E-C, AS MANUFACTURED BY TIMBER FORM. FACTORY PRIMED, EMBEDDED. CONTRACTOR SHALL APPLY (2) COATS INDUSTRIAL ENAMEL HS AS MFG BY SHERWIN WILLIAMS. COLOR: CRIMSON RED RB 2906. CONTACT: MIKE WOODS W/ WOODS SITE 1-888-688-2132.
- TRASH RECEPTACLE- MC CLINTOCK METAL TRASH RECEPTACLE, MODEL #RSO-25, SURFACE MOUNT. COLOR: GREEN. CONTACT: MC CLINTOCK METAL 1-800-350-3588.
- DRINKING FOUNTAIN- MDF MODEL #410 SM SURFACE MOUNT. COLOR: GREEN. CONTACT: DAVID SMITH @ EXERPLAY, 281-0151. N.L.C.
- SHADE SHELTER-POLYGON MODEL CAR-16 SQUARE SHADE STRUCTURE W/METAL ROOF. FINISH- FACTORY PRIMED. CONTACT: GABRIEL GARCIA W/CONTINENTAL LEISURE, 899-6892. CONTRACTOR SHALL PAINT SHADE STRUCTURE W/ TWO COATS INDUSTRIAL ENAMEL HS AS MFG BY SHERWIN WILLIAMS. POST COLOR: MEADOWLARK A SW 2054. ROOF COLOR: CRIMSON RED RB 2906.

FOR INFORMATION ONLY

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

PARADISE MEADOWS PARK
LANDSCAPE PLAN

APPROVED
MAR - 8 2012
DESIGN REVIEW COMMITTEE

APPROVED
MAR - 8 2012
CITY ENGINEER

City Project No.
6597.02

Zone Map No.
A-12

Sheet
4

Of
9

Mo./Day/Yr.
Mo./Day/Yr.

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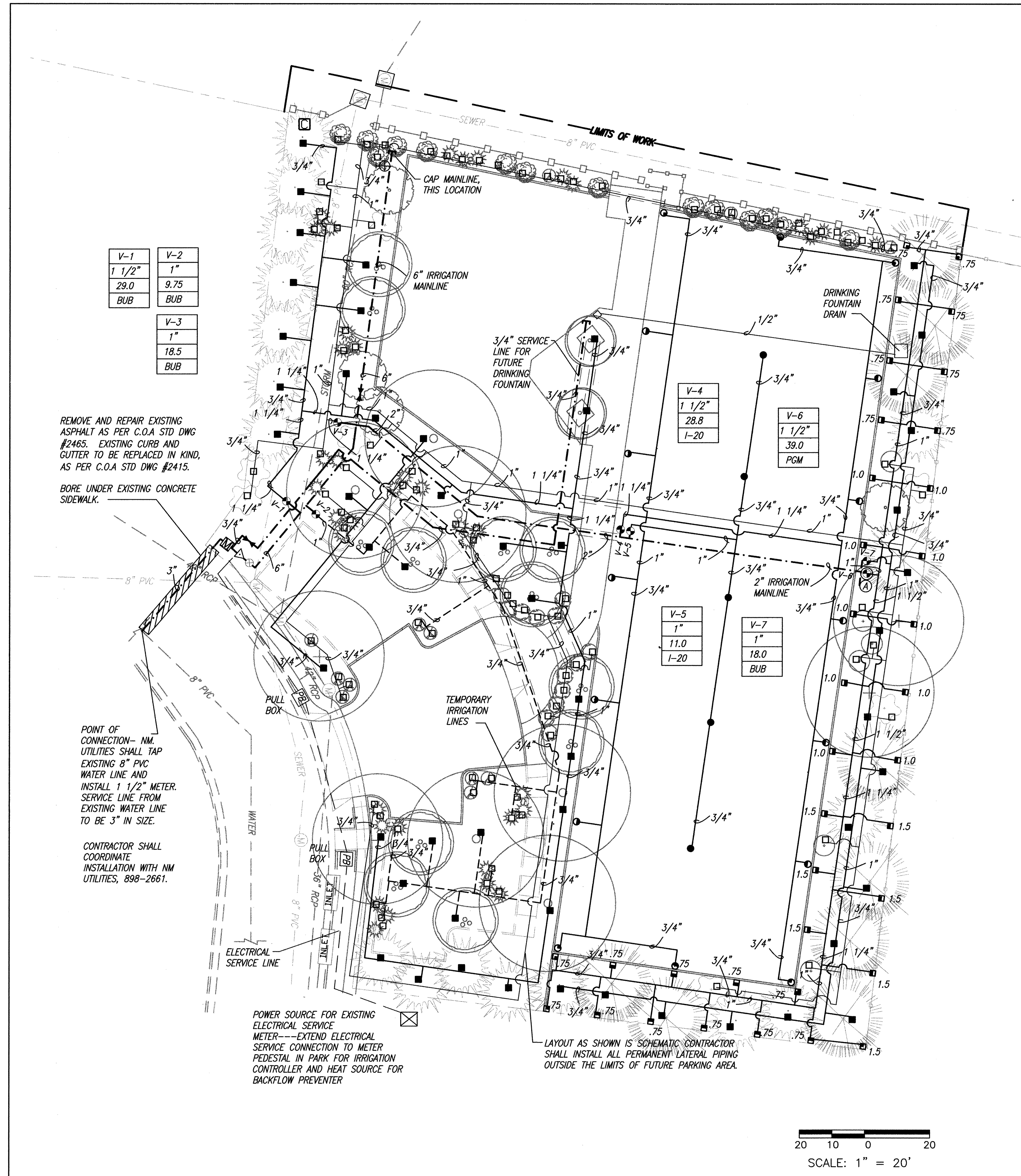
City Project No.
6597.02

Zone Map No.
A-12

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IRRIGATION LEGEND

- ALL IRRIGATION EQUIPMENT SHALL BE INSTALLED AS PER CITY OF ALBUQUERQUE STANDARD DRAWING INDICATED OR AS PER THE DETAILS.
- IRRNET 16 STATION CONTROLLER, SCORPIO MODEL IS-S2A-RW-SSJ WITH GAIN ANTENNA AND MOTOROLA HT 750 RADIO. INSTALL IN INTERSPEC PEDESTAL MOUNT ENCLOSURE. DETAIL: A/7
 - 1 1/2\"/>
 - FEBCO 1 1/2\"/>
 - RAINBIRD 1 1/2\"/>
 - RAINBIRD PEB CONTROL VALVE- SIZE AS PER PLAN DETAIL: 2703
 - RAINBIRD PEB-PRS CONTROL VALVE- SIZE AS PER PLAN DETAIL: 2703
 - CRISPIN UL 10.0 1\"/>
 - SPEARS TRUE UNION SCH. 80 BALL VALVE DETAIL: 2707
 - CHAMPION 300 SERIES MANUAL DRAIN VALVE, SIZE AS PER MAINLINE PIPE SIZE. INSTALL IN BROOKS MODEL 1419 BOX W/BOLT DOWN LID DETAIL: F/7
 - HUNTER I-20 SERIES ROTOR SPRINKLERS
I-20-ADJ-1.0 NOZZLE 32'R 1.3 GPM @ 60 PSI
I-20-ADJ-2.0 NOZZLE 38'R 2.2 GPM @ 60 PSI
I-20-360-2.0 NOZZLE 38'R 2.2 GPM @ 60 PSI
HUNTER PGM SERIES ROTOR SPRINKLERS PGM-06-XX NOZZLE AS PER PLAN
PGM-06-A-.75 18'R .85 GPM @ 50 PSI
PGM-06-A-1.0 21'R 1.1 GPM @ 50 PSI
PGM-06-A-1.5 24'R 1.7 GPM @ 50 PSI DETAIL: 2709
 - RAINBIRD 1401 BUBBLER .25 GPM DETAIL: 2711
 - RAINBIRD 1404 BUBBLER 1.0 GPM DETAIL: 2710
- MAINLINE: SIZE AS PER PLAN, MATERIAL AS PER SPEC.
--- SCHEDULE 40 LATERALS SIZE AS PER PIPE SIZING CHART, THIS SHEET
=== IRRIGATION SLEEVES-SLEEVES TO BE SIZED TWO SIZES LARGER THAN THE PIPE TO BE SLEEVED, UNLESS NOTES ON THE PLANS.

VALVE SCHEDULE

VALVE NO.	SIZE	NOZZLE/RADIUS	DESCRIPTION	MAX. DEMAND	RUN TIME FOR 1/2\"/>
SPRAY	V-5	1"	#2.0/38'	TURF 27.2 GPM	103 MIN.
	V-4	1 1/2"	#2.0/38'	TURF 11.0 GPM	204 MIN.
Total Spray Runtime 5 hrs. 07 min.					
RECLAMATION	V-6	1 1/2"	#1.0/21'	RECLAMATION SEED 39.0 GPM	50 MIN.
BUBBLER	V-1	1 1/2"	N/A	TREE BUBBLER 30 GPM	10 MIN.
	V-2	1"	N/A	TREE/SHRUB BUB. 10.25 GPM	10 MIN.
	V-3	1"	N/A	SHRUB BUBBLER 19.0 GPM	10 MIN.
	V-7	1"	N/A	TREE BUBBLER 18.0 GPM	10 MIN.

PROGRAM	STATION	CALCULATED PRECIPITATION	RUN TIME IN MINUTES	CYCLES PER IRRIGATION	IRRIGATIONS PER MONTH	COMMENTS
1	1	N/A	10	1	4	
2	2	N/A	10	1	4	
3	3	N/A	10	1	4	
4	4	.48"/HR	204	1	15	
5	5	.14"/HR	103	1	15	
6	6	.29"/HR	50	1	15	
7	7	N/A	10	1	4	

IRRIGATION NOTES

CONTRACTOR SHALL REPLACE, IN KIND, ALL EXISTING STREET PAVEMENT, CURB AND GUTTER AND SIDEWALK, DISTURBED DUE TO INSTALLATION OF WATER METER, SERVICE AND SLEEVES. REFERENCE C.O.A STD DWGS # 2301, WATERLINE CONNECTION, #2430, SIDEWALK, #2415, CURB AND GUTTER AND #2465, ARTERIAL/COLLECTOR STREET SECTION.

CONTRACTOR SHALL PROVIDE 120V POWER SUPPLY FOR HEAT TAPE AT RP BACKFLOW PREVENTERS AND IRRIGATION CONTROLLERS. COORDINATE ALL WORK WITH PNM. INSTALL METER PEDESTAL AS PER DETAIL E/7.

ALL WORK TO BE PERFORMED WITHIN THE PUBLIC RIGHT OF WAY.

CONCRETE THRUST BLOCKS SHALL BE PROVIDED WHERE NECESSARY TO RESIST SYSTEM PRESSURE. THRUST BLOCKS SHALL BE CONSTRUCTED AT ALL DIRECTION CHANGES, SIZE CHANGES, VALVES AND TERMINATIONS, OR AT ANY OTHER POINTS OF THE SYSTEM THAT WILL RESULT IN AN UNBALANCED THRUST LINE FOR EQUIPMENT 2 (TWO) INCHES AND LARGER. DO NOT OBSTRUCT THE OUTLETS OF FITTINGS WHICH ARE INTENDED FOR FUTURE CONNECTIONS. THRUST BLOCKS SHALL BE POURED AGAINST UNDISTURBED EARTH AND IN ACCORDANCE WITH THE PLANS OR STANDARD DETAILS.

IRRIGATION SYSTEM AS SHOWN WAS DESIGNED WITH AN ESTIMATED 85-90 PSI STATIC AT THE POINT OF CONNECTION. CONTRACTOR SHALL FIELD VERIFY STATIC PRESSURE PRIOR TO THE START OF WORK. IF FIELD CONDITIONS ARE OTHER THAN AS STATED, CONTRACTOR SHALL CONTACT LANDSCAPE ARCHITECT BEFORE PROCEEDING WITH WORK.

CONTRACTOR SHALL PERFORM PRESSURE TEST IMMEDIATELY AFTER INSTALLING WATER METER TO VERIFY STATIC PRESSURE.

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		LANDSCAPE ARCHITECT'S SEAL	
CONTRACTOR	DATE	NO.	BY	DATE	NO.	BY	DATE
WORK BY	DATE						
INSPECTED BY	DATE						
ACCEPTANCE BY	DATE						
REVISION BY	DATE						
DRAWINGS	DATE						
CORRECTED BY	DATE						
MICRO-FILM INFORMATION	DATE						
RECORDED BY	DATE						
NO.							

4/10/02	REVISION	DATE	03/08/02
1	REVISION	DATE	03/08/02
	DESIGN	DATE	03/08/02

Designed By: PG
Drawn By: PAA
Checked By: PG

FOR INFORMATION ONLY

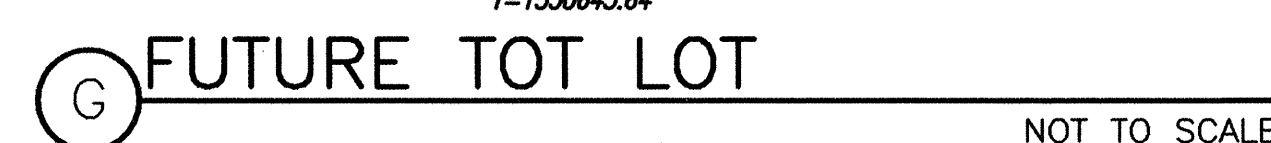
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BOB GAY

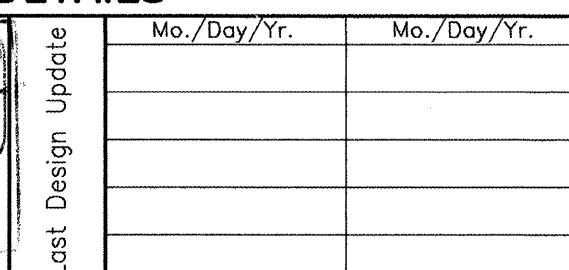
NEW MEXICO UTILITIES

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
PARADISE MEADOWS PARK IRRIGATION PLAN			
Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
City Project No.	Zone Map No.	Sheet	Of
6597.02	A-12	5	9





FOR INFORMATION ONLY



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.

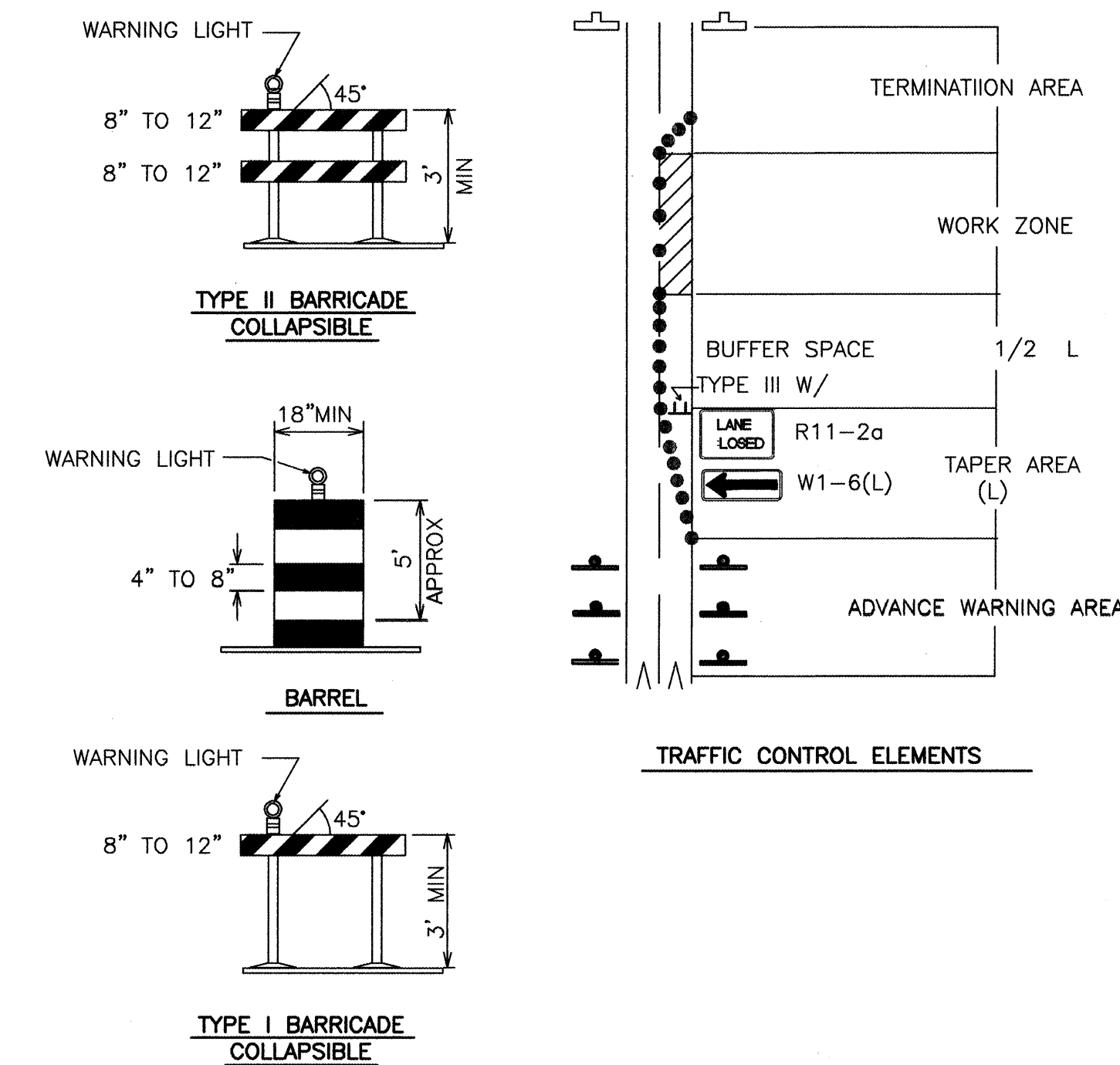
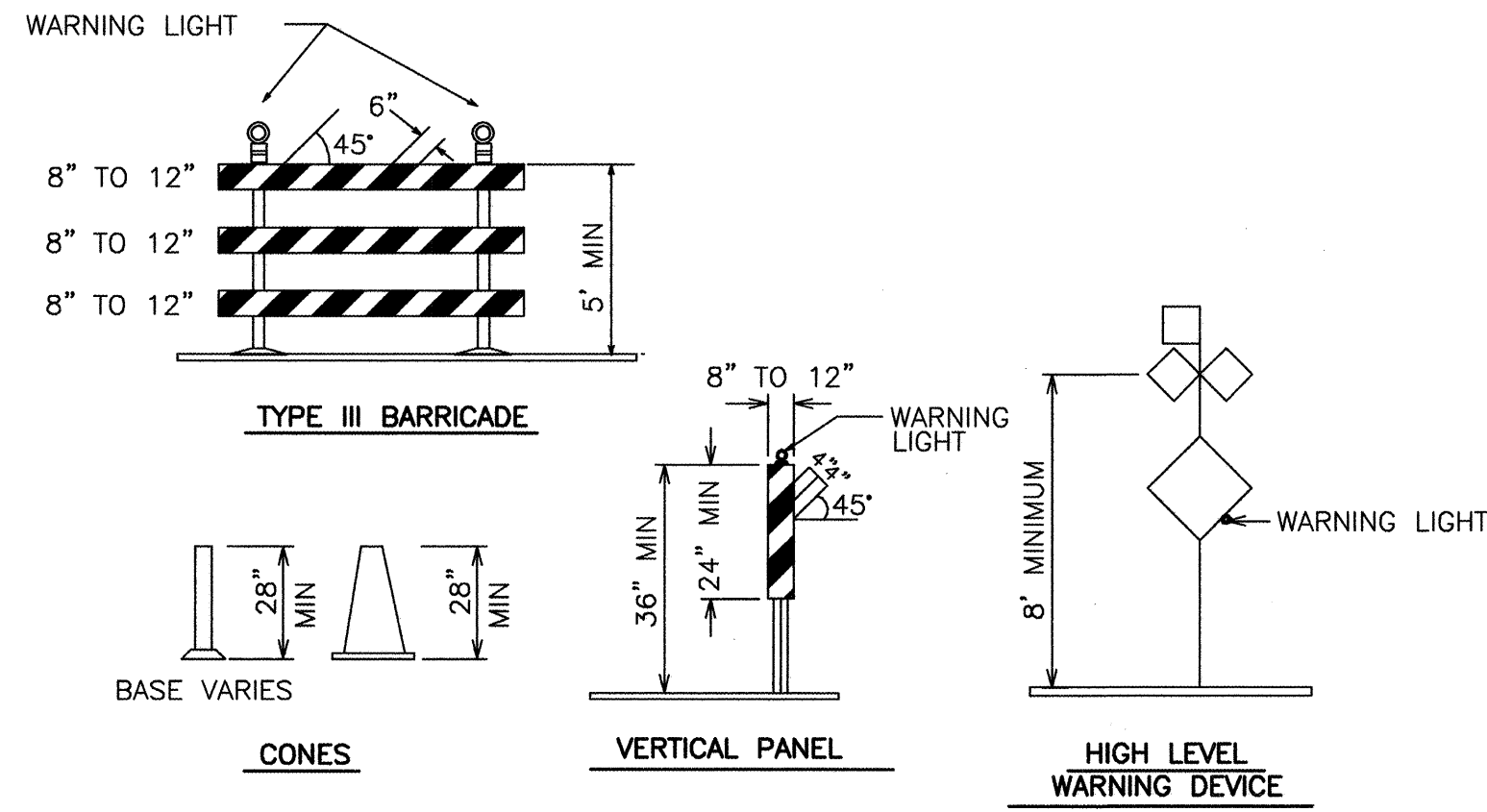
23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

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

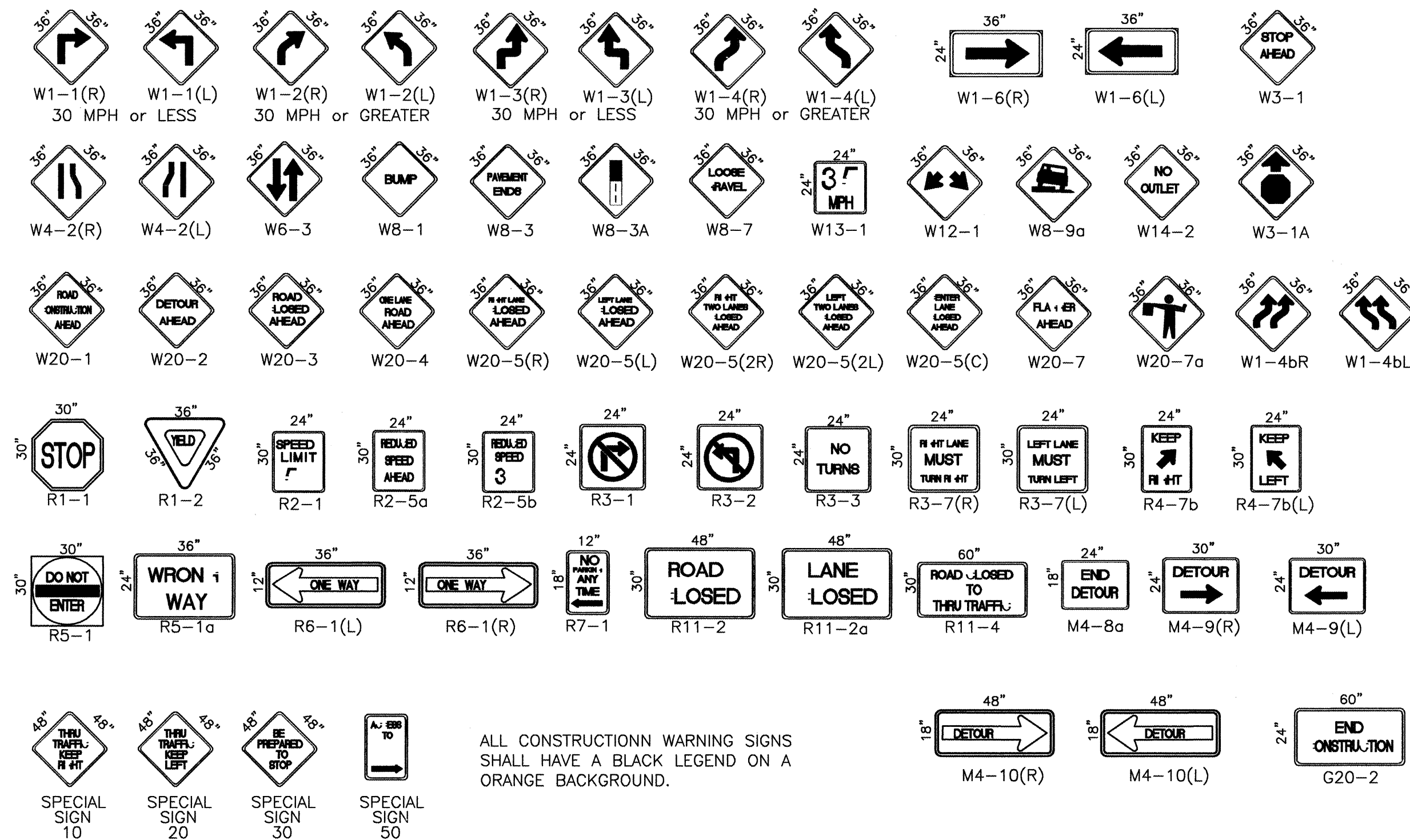
25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

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.



SIGN FACE DETAILS



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

LEGEND

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

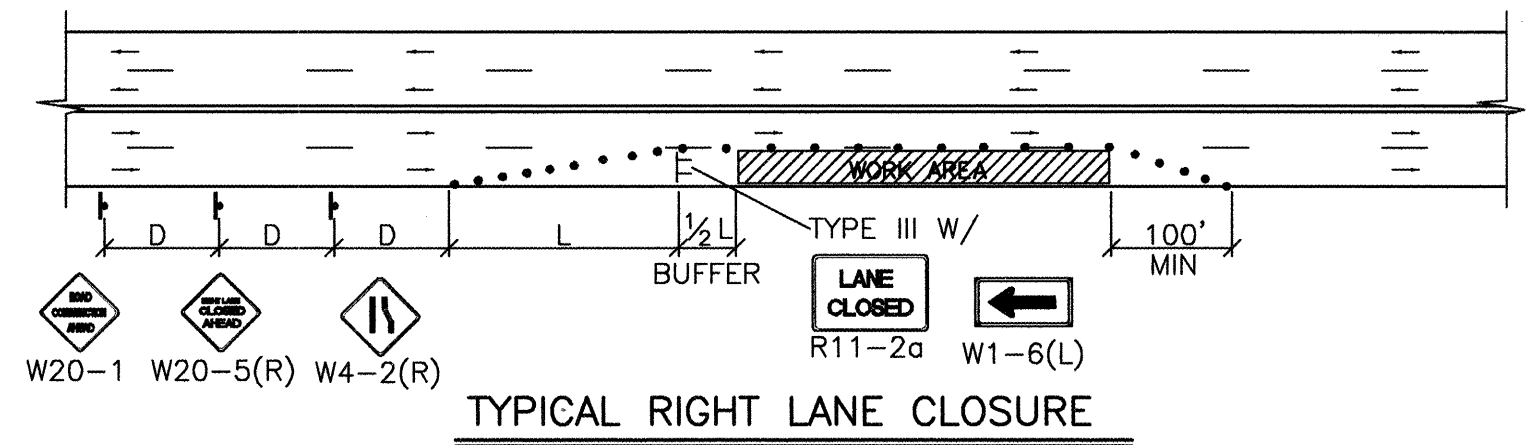
TAPER LENGTH COMPUTATION

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

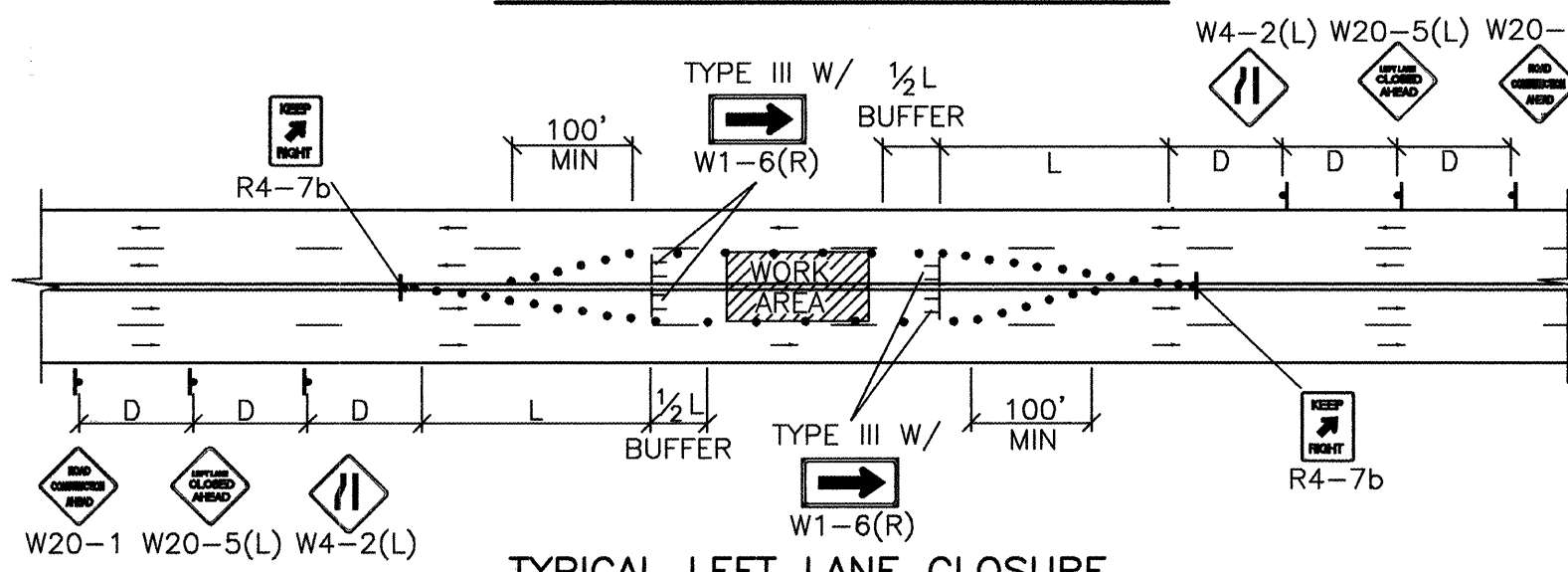
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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

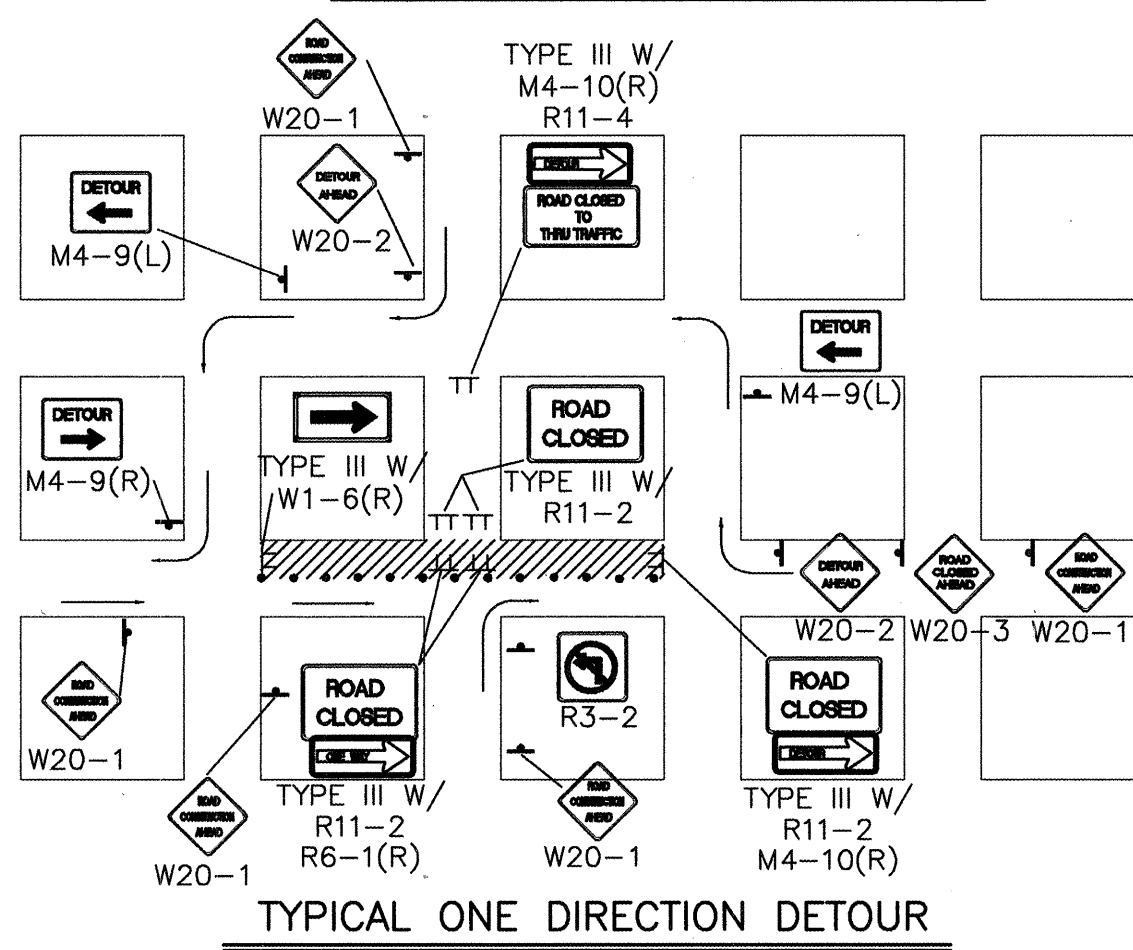
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DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
COA	STD	LAST DESIGN UPDATE	
CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
6597.02	A-12	8	9



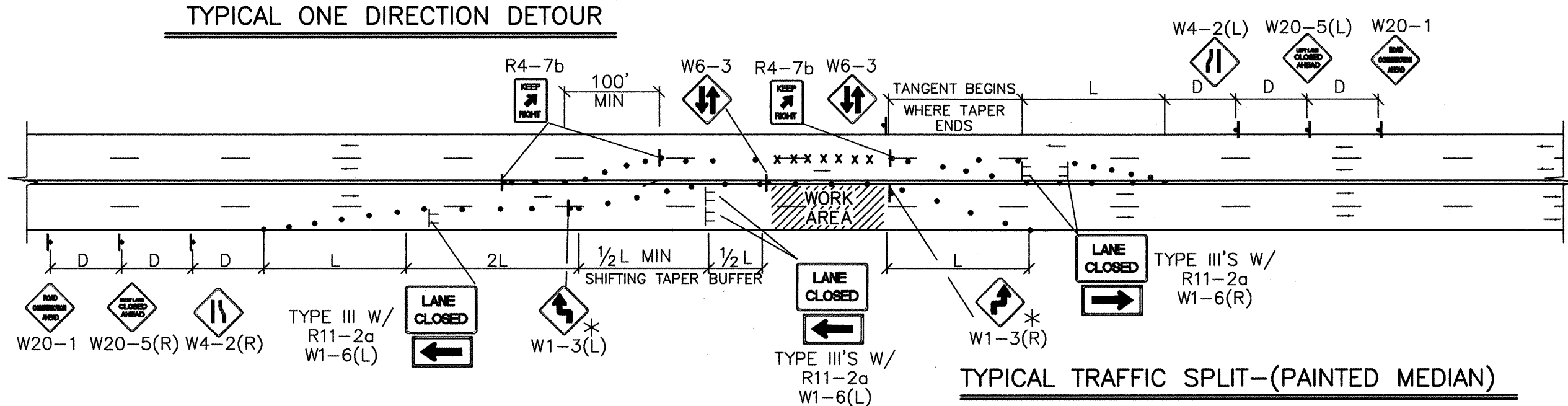
TYPICAL RIGHT LANE CLOSURE



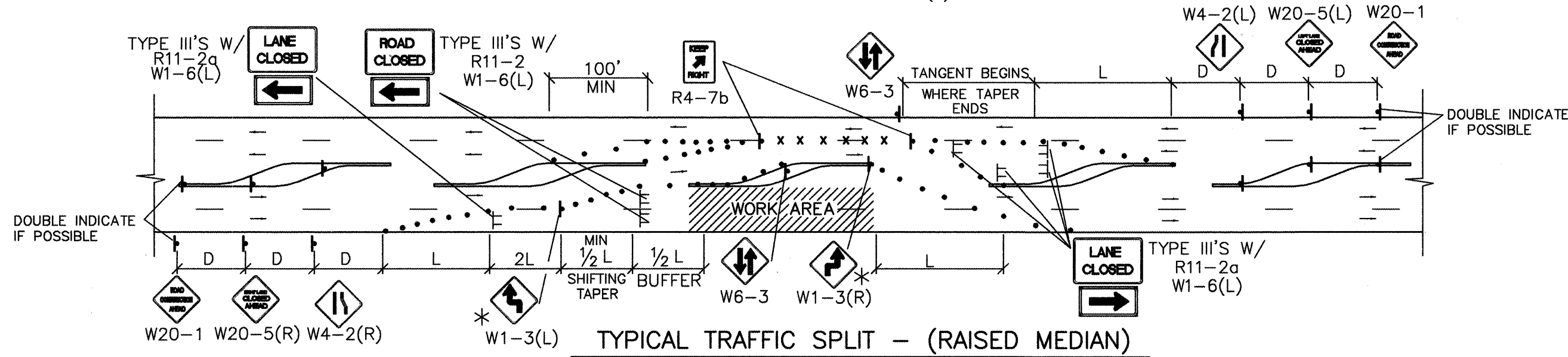
TYPICAL LEFT LANE CLOSURE



TYPICAL ONE DIRECTION DETOUR

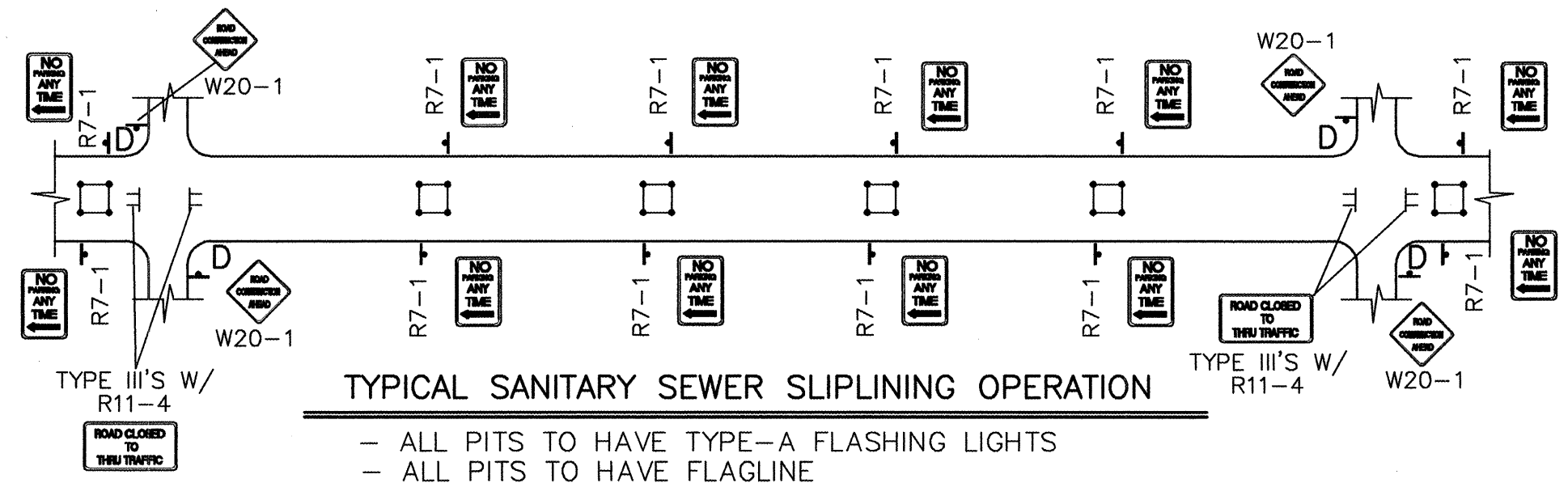


TYPICAL TRAFFIC SPLIT - (PAINTED MEDIAN)



TYPICAL TRAFFIC SPLIT - (RAISED MEDIAN)

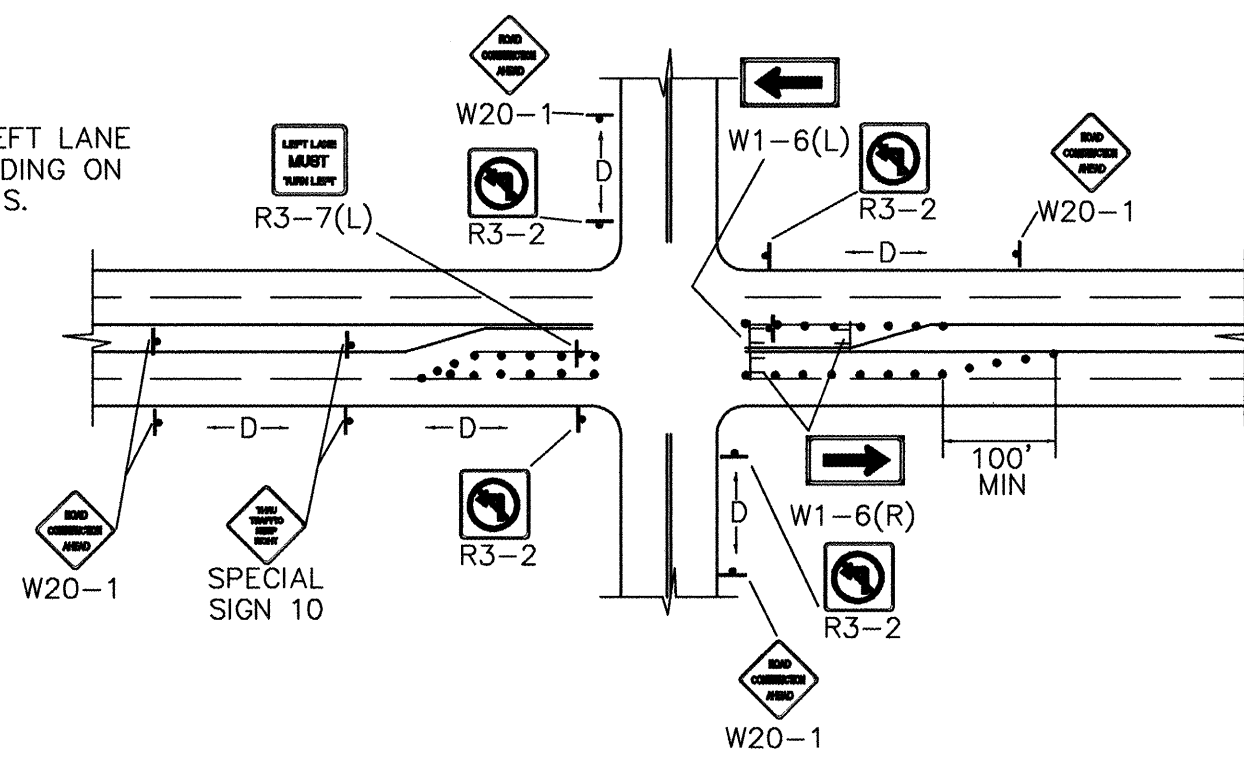
- TRAFFIC SPLIT NOTES:
1. THE OFFSET DISTANCE MUST BE CALCULATED IN ALL SHIFTING TAPERS. THE OFFSET DISTANCES SHALL INCLUDE LANE WIDTHS PLUS MEDIAN WIDTHS.
 2. 1/2 L IS THE MINIMUM DISTANCE FOR SHIFTING TAPERS.
 3. REVERSE CURVES MAY BE IMPLEMENTED. ALL CURVE DATA SHALL BE CALCULATED.
 4. MEDIAN REMOVAL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



TYPICAL SANITARY SEWER SLIPLINING OPERATION

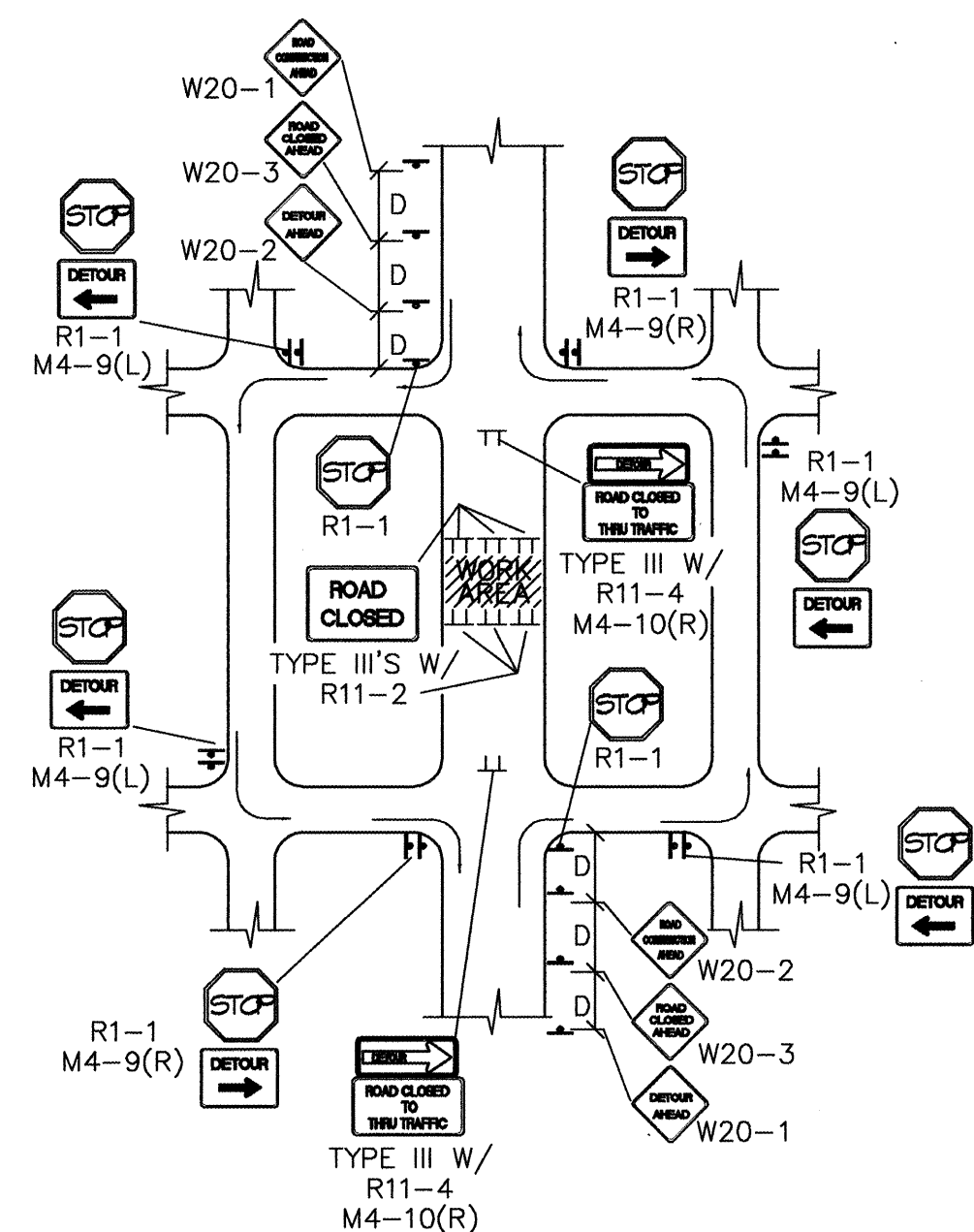
- ALL PITS TO HAVE TYPE-A FLASHING LIGHTS
- ALL PITS TO HAVE FLAGLINE

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



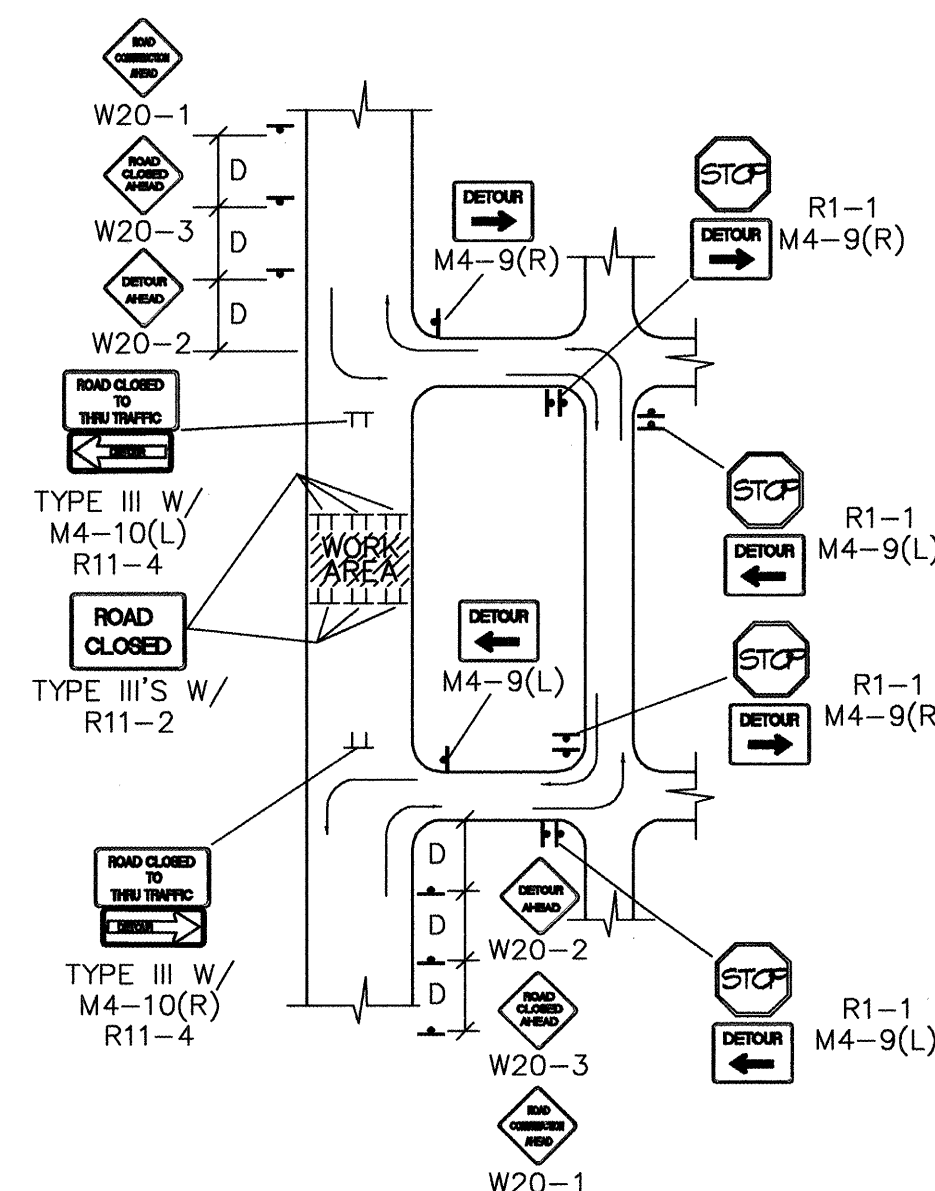
TYPICAL LANE CLOSURE AT INTERSECTION

NOTE: DEPENDING ON WORK ZONE LOCATION.



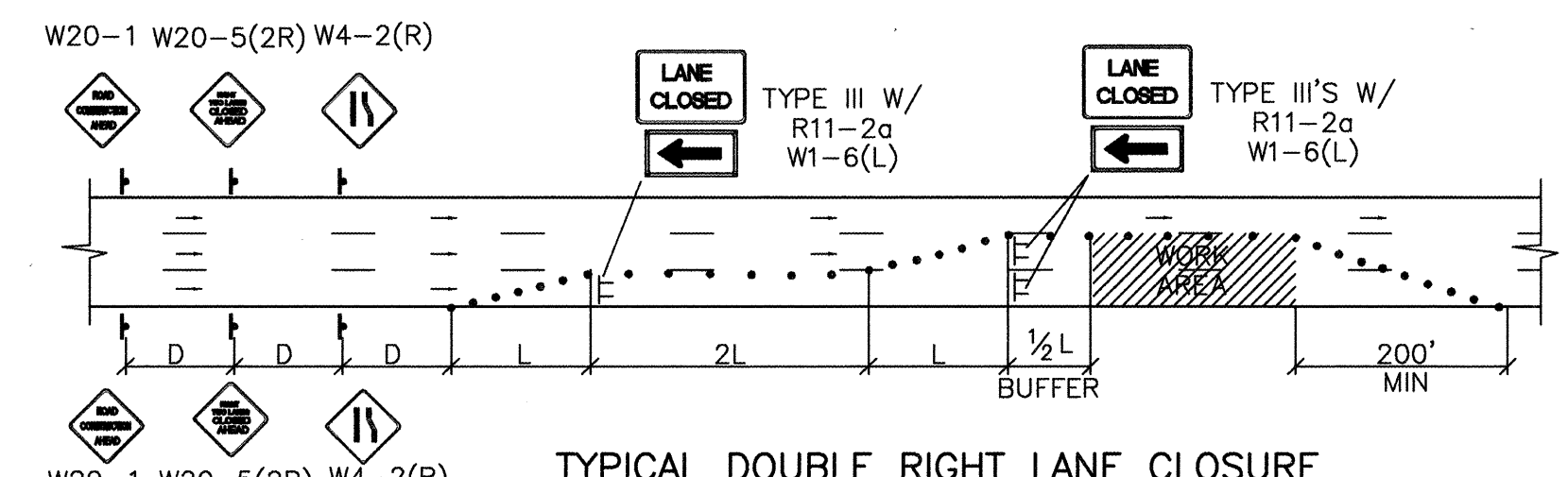
TYPICAL MID-BLOCK CLOSURE

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

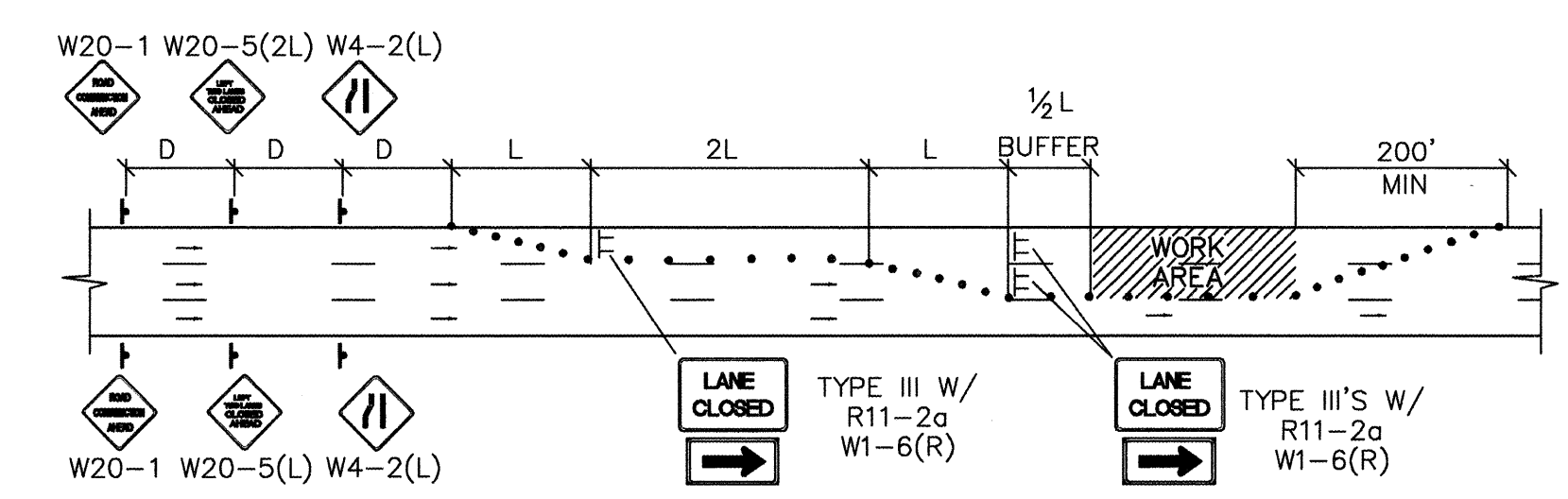


TYPICAL STREET CLOSURE

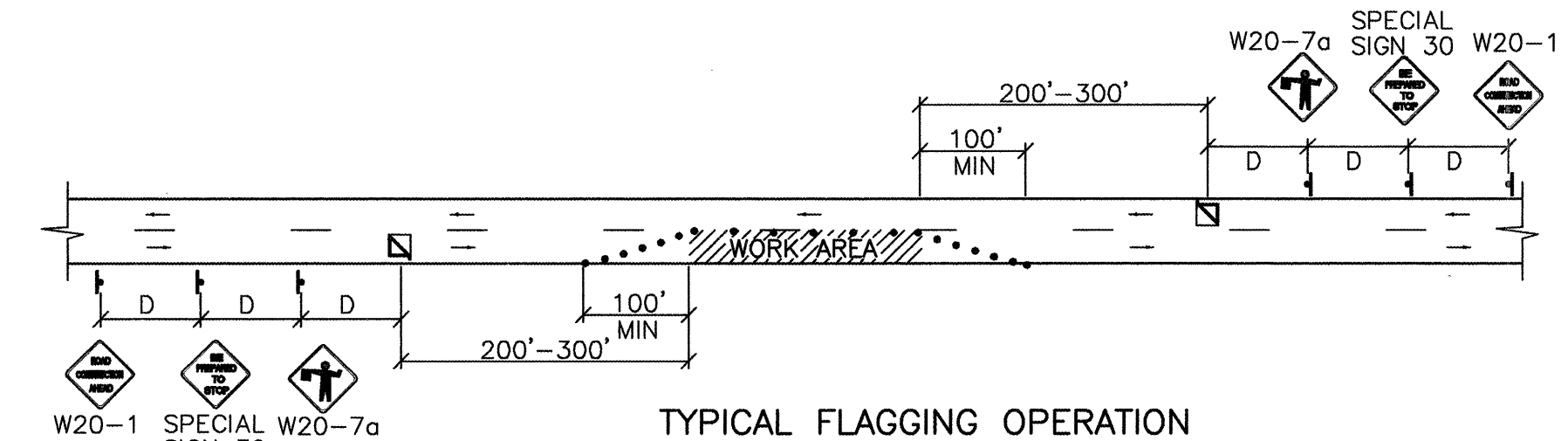
NOTE: (R1-1) BASED ON FIELD CONDITIONS.



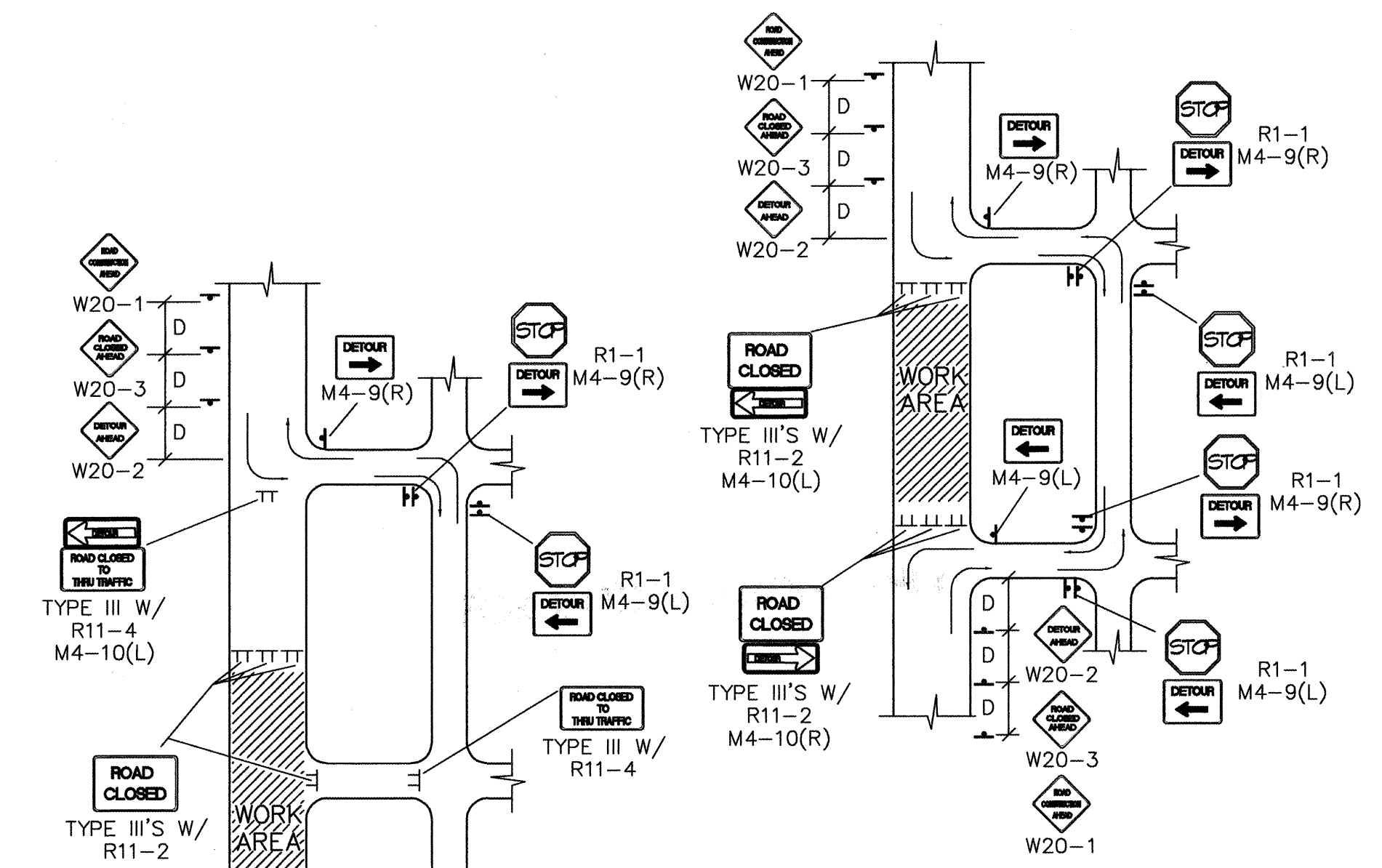
TYPICAL DOUBLE RIGHT LANE CLOSURE



TYPICAL DOUBLE LEFT LANE CLOSURE



TYPICAL FLAGGING OPERATION



TYPICAL STREET CLOSURE

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

FOR INFORMATION ONLY

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

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

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	NO.	DATE	NO.	DATE	CITY OF ALBUQUERQUE STANDARD	
WORK SPACED BY	DATE	NO.	DATE	NO.	DATE		
FIELD INSPECTION BY	DATE	NO.	DATE	NO.	DATE		
DESIGNATION BY	DATE	NO.	DATE	NO.	DATE		
MICRO-FILM INFORMATION		REVISIONS		DESIGN		DESIGNED BY COA	
RECORDED BY	NO.	NO.		NO.		DRAWN BY COA	
						CHECKED BY COA	
						DATE: 12/11/01	
						DATE: 12/11/01	
						DATE: 12/11/01	

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF MUTCD)			
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
COA	STD		
CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
6597.02	A-12	9	9