

DECEMBER, 2002



KIRTLAND PARK
RENOVATION - Phase II

PARKS AND RECREATION DEPARTMENT
CITY OF ALBUQUERQUE

INDEX OF DRAWINGS

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TOTAL PARK AREA: 6.8 ACRES

TOTAL TURF AFTER RENOVATION: 4.4 ACRES

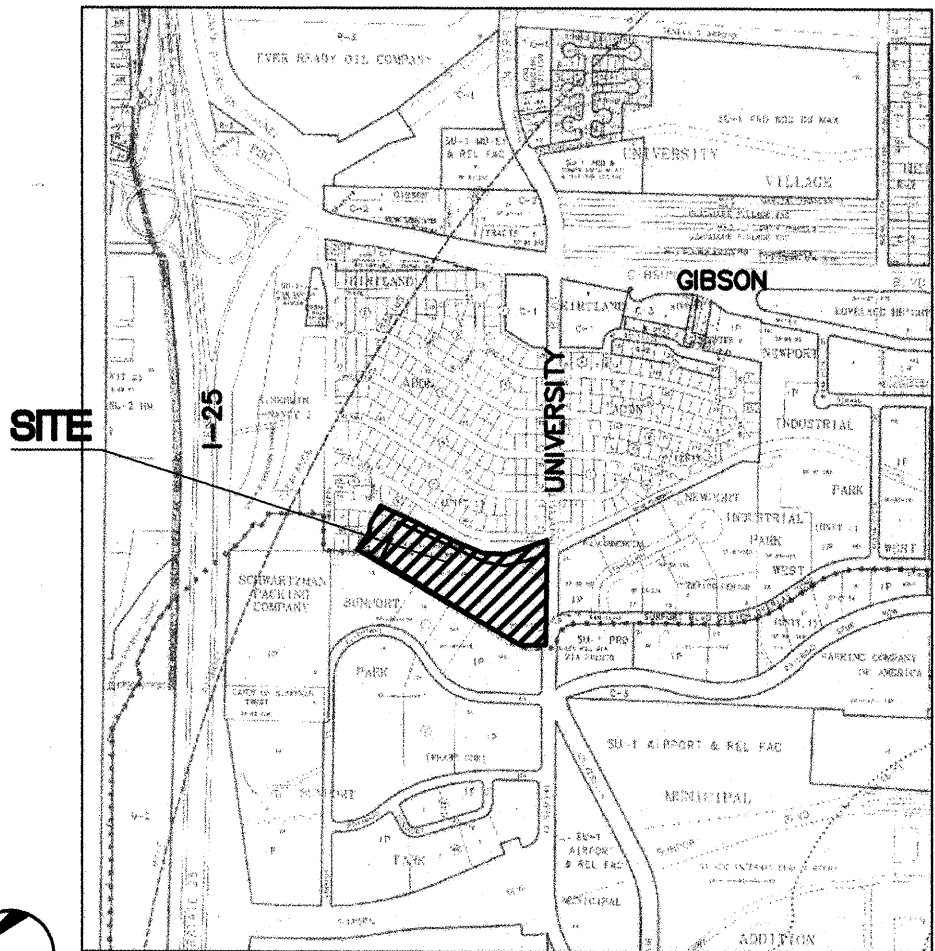
GENERAL NOTES:

THE SUBJECT PROPERTY IS LOCATED NEAR A FORMER LANDFILL. DUE TO THE SUBJECT PROPERTY BEING NEAR A FORMER LANDFILL, CERTAIN PRECAUTIONARY MEASURES MAY NEED TO BE TAKEN TO ENSURE THE HEALTH AND SAFETY OF THE PUBLIC. RECOMMENDATIONS MADE BY A PROFESSIONAL ENGINEER WITH EXPERTISE IN LANDFILLS AND LANDFILL GAS ISSUES (AS REQUIRED BY THE MOST CURRENT VERSION OF THE "INTERIM GUIDELINES FOR DEVELOPMENT WITHIN 1000 FEET OF LANDFILLS") SHALL BE CONSULTED PRIOR TO DEVELOPMENT OF THE SITE.

CITY OF ALBUQUERQUE ENVIRONMENTAL HEALTH DEPARTMENT HAS DETERMINED THAT A LANDFILL GAS STUDY IS NOT REQUIRED AT THIS PROPERTY BECAUSE OF THE NATURE OF THE PROPOSED RENOVATION AND RECONNAISSANCE OF THE SITE BY AEHD.

FOR INFORMATION ONLY

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SCALE: NTS

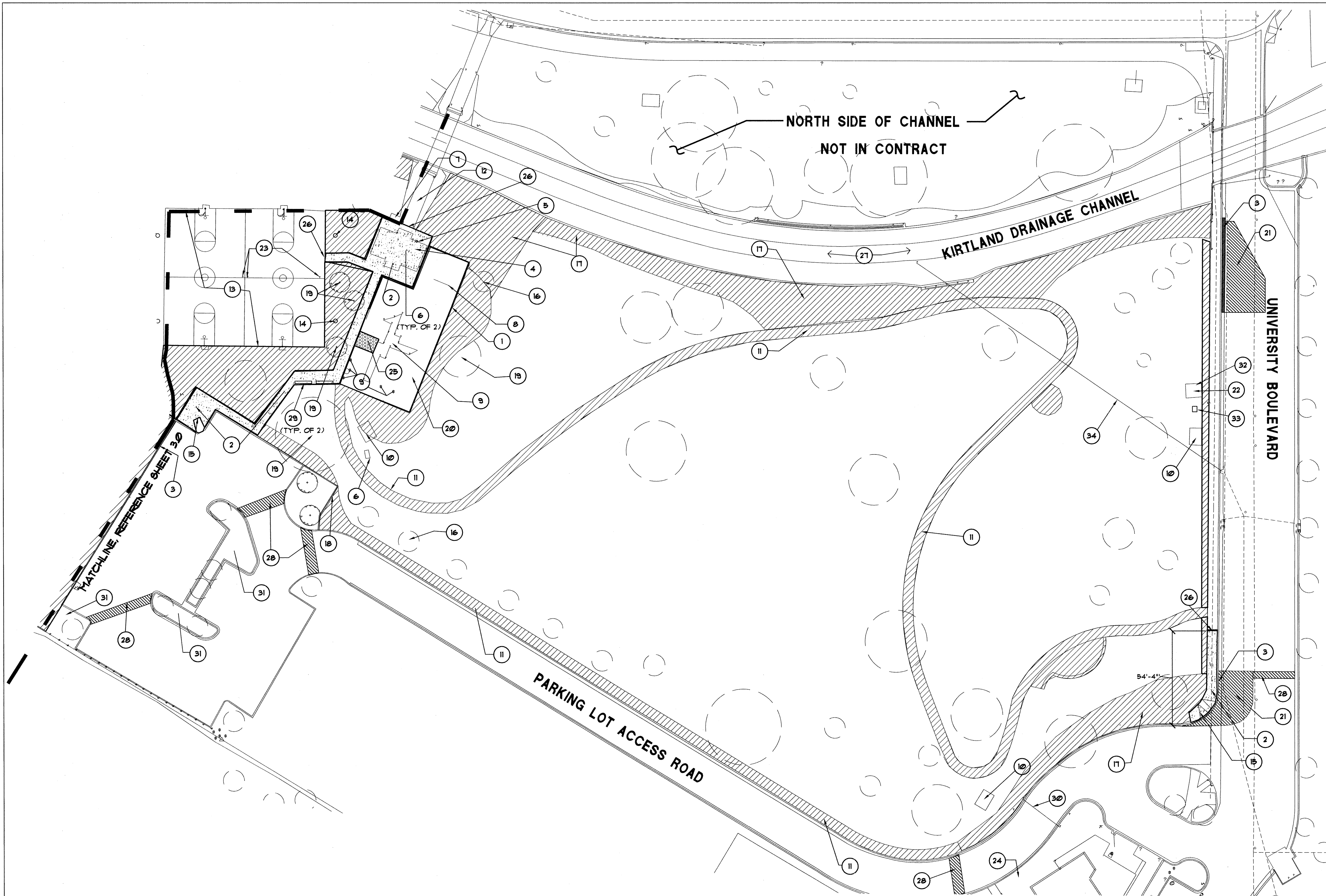
VICINITY MAP
M-15-Z

GENERAL NOTES

- AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
- 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 ED. AND SHALL INCLUDE 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 (924-3400) 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 MARKING BY CONTRACTOR TO LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET.
- CONTRACTOR SHALL COORDINATE WITH WATER SYSTEMS DIVISION (857-8200) SEVEN WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT EXISTING PUBLIC WATER OR SEWER UTILITIES. EXISTING VALVES TO BE OPERATED BY CITY PERSONNEL ONLY. CONTRACTOR SHALL CONTACT THE WATER SYSTEMS DIVISION SEVEN DAYS PRIOR TO NEEDING VALVES TURNED ON OR OFF.
- CONTRACTOR SHALL RECORD DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE PREPARATION OF "AS CONSTRUCTED" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED.
- 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	*****	*****	*****	*****
	DRC CHAIRMAN	<i>[Signature]</i>	12-27-02	APPROVED FOR CONSTRUCTION			
	TRANSPORTATION	<i>[Signature]</i>	12-19-02				
	WATER/WASTEWATER	<i>[Signature]</i>	12-19-02				
	HYDROLOGY	<i>[Signature]</i>	12-19-02				
	PARKS & RECREATION	<i>[Signature]</i>	12-19-02				
CONSTR. COORD.	<i>[Signature]</i>	12-27-02					
ENV. HEALTH							
City Project Number				Sheet Of			
6549.03				1 17			

SET NUMBER: _____



DEMOLITION NOTES:

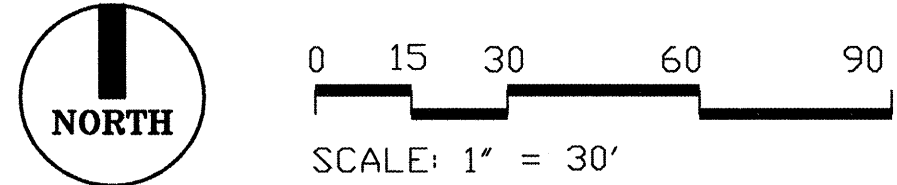
- UNLESS SPECIFICALLY NOTED, ALL EXISTING TREES SHALL REMAIN. THE CONTRACTOR SHALL PROTECT EXISTING TREES TO REMAIN FROM DAMAGE DURING CONSTRUCTION. WHERE NECESSARY, THE CONTRACTOR SHALL CONSTRUCT PROTECTIVE FENCING AROUND EXISTING TREES. THE BARRIERS ARE TO BE CONSTRUCTED OUTSIDE EACH TREE'S RESPECTIVE DRIP LINE AND SHALL REMAIN IN PLACE THROUGHOUT THE DURATION OF THE PROJECT.
- ALL MATERIAL TO BE DEMOLISHED OR REMOVED SHALL BE DISPOSED OF AT A LEGAL DUMP SITE.
- IN LOCATIONS WHERE CONTRACTOR IS TO REMOVE CONCRETE WALKS OR CURBS, THE LIMIT OF REMOVAL SHALL BE TO AN EXISTING EXPANSION OR CONTROL JOINT.
- REMOVE ALL EXISTING IRRIGATION VALVES, IRRIGATION VAULTS, VALVE BOXES, AND ROTOR HEADS. ALL IRRIGATION PIPING IS TO BE ABANDONED IN GROUND. ALL REMOVED EQUIPMENT SHALL BE RETURNED TO PARKS MANAGEMENT. CONTACT RICK TYE AT 851-8650. BACKFILL ALL VOIDS CREATED BY REMOVAL OF IRRIGATION EQUIPMENT WITH CLEAN FILL.

DEMOLITION KEYED NOTES

- | | | |
|---|---|--|
| <p>1 REMOVE SAND CONTAINMENT WALL. LIMITS OF REMOVAL AS SHOWN.</p> <p>2 SAW CUT AND REMOVE CONCRETE SIDEWALK/SLAB. REFERENCE SHEET 4.0.</p> <p>3 SAW CUT AND REMOVE CURB AND GUTTER AS REQUIRED TO INSTALL PLANTER OR MOUNTABLE CURB. SEE SHEET 9 AND 10 OF 11 FOR LIMITS OF REMOVAL.</p> <p>4 REMOVE CONCRETE SLAB, DRAIN, CONCRETE FOOTINGS, AND CONCRETE PICNIC TABLES.</p> <p>5 REMOVE SHADE STRUCTURE AND CONCRETE FOOTINGS.</p> <p>6 REMOVE BARBECUE GRILL AND CONCRETE FOOTINGS.</p> <p>7 REMOVE WATER FOUNTAIN FOUNDATION. CAP OFF AND ABANDON EXISTING FOUNTAIN WATER SUPPLY LINE.</p> <p>8 REMOVE AND RELOCATE EXISTING SWING SET. REFERENCE SHEET 1.0.</p> <p>9 REMOVE EXISTING PLAY EQUIPMENT AND RETURN TO CITY PARKS AND RECREATION.</p> <p>10 REMOVE EXISTING PICNIC TABLE, FOOTINGS AND CONCRETE SLAB.</p> <p>11 REMOVE EXISTING SOD AS NECESSARY TO INSTALL CONCRETE OR CRUSHER FINE PATH. REFERENCE SHEET 4.0.</p> <p>12 PRESERVE AND PROTECT EXISTING BASKETBALL COURTS.</p> | <p>13 PRESERVE AND PROTECT EXISTING BASKETBALL COURTS.</p> <p>14 REMOVE LIGHT POLES AND FIXTURES AND DEMOLISH CONCRETE FOOTINGS. (TYP. OF 2)</p> <p>15 REMOVE CONCRETE HANDICAPPED ACCESSIBLE RAMP.</p> <p>16 REMOVE AND RELOCATE EXISTING TREE. REFERENCE SHEET 13 OF 11.</p> <p>17 REMOVE EXISTING SOD AS NECESSARY TO CONSTRUCT PLANTER BED. REFERENCE SHEET 4.0.</p> <p>18 REMOVE CONCRETE MOUNDSTRIP.</p> <p>19 REMOVE EXISTING TREE.</p> <p>20 REMOVE PLAYSAND.</p> <p>21 REMOVE ASPHALT PAVEMENT AS REQUIRED FOR NEW PARKING ISLAND.</p> <p>22 REMOVE EXISTING IRRIGATION VAULT, BACKFLOW PREVENTION DEVICES AND 1 1/2" WATER METER. RETURN WATER METER TO CITY.</p> <p>23 REMOVE METAL POLES TO TOP OF CONCRETE. GRIND EXPOSED METAL EDGES SMOOTH AND FLUSH WITH TOP OF CONCRETE. FILL VOID WITH CONCRETE, FLUSH WITH TOP OF EXISTING CONCRETE.</p> <p>24 FIELD VERIFY LOCATION OF EXISTING IRRIGATION LATERAL FROM COMMUNITY CENTER TO PARK. CUT AND CAP LATERAL PIPE TO PARK. COORDINATE WITH COA PARKS MANAGEMENT.</p> | <p>25 REMOVE RUBBERIZED PLAY SURFACING AND CONCRETE SLAB.</p> <p>26 LOCATION OF SAWCUT TO PREVENT DAMAGE TO EXISTING FEATURES REFERENCE KEYED NOTES 2 AND 3.</p> <p>27 PRESERVE AND PROTECT DRAINAGE CHANNEL.</p> <p>28 SAWCUT, REMOVE AND REPLACE ASPHALT AS REQUIRED TO CONSTRUCT IRRIGATION SLEEVING. REPLACEMENT SHALL MATCH EXISTING. REFERENCE COA STD DWG. 2465. CONTRACTOR HAS THE OPTION OF DEMOLISHING OR BORING UNDER EX. CURB & GUTTER IF THE CONTRACTOR CHOOSES TO DEMOLISH CURB & GUTTER. CONTRACTOR SHALL MATCH EXISTING. REF. COA STD DWG. 2415.</p> <p>29 REMOVE BENCHES. (QTY. 2)</p> <p>30 PRESERVE AND PROTECT PIPE GATE.</p> <p>31 REMOVE BARK MULCH.</p> <p>32 REMOVE SCORPIO UNITS (QTY. 2) FROM IRRIGATION CONTROL BOX AND RETURN TO COA PARKS MANAGEMENT. RELOCATE PEDESTAL MOUNT CONTROLLER BOX TO NEW LOCATION. REFERENCE SHEET 11 OF 11.</p> <p>33 PROTECT AND PRESERVE EXISTING ELECTRICAL METER AND WIRES RUNNING TO NORTHERN SIDE OF CHANNEL AT THE EDGE OF THE EXISTING SIDEWALK. CONTRACTOR SHALL PROTECT AND PRESERVE EXISTING LOW-VOLTAGE WIRES TO THE BACKFLOW PREVENTION DEVICE ON THE NORTH SIDE OF THE CHANNEL. POWER TO THE NORTH SIDE EXISTING BACKFLOW PREVENTION DEVICE SHALL BE MAINTAINED DURING CONSTRUCTION.</p> <p>34 EXISTING STORM SEWER PIPE.</p> |
|---|---|--|

HATCH LEGEND

	REMOVE EXISTING SOD AS NECESSARY TO INSTALL CONCRETE, CRUSHER FINE PATH OR PLANTER BED. REFERENCE SHEET 4.
	REMOVE ASPHALT PAVING AS REQUIRED FOR NEW PARKING ISLAND AND IRRIGATION TRENCHING. REFERENCE SHEET 9 FOR DIMENSIONS.
	REMOVE AND PROPERLY DISPOSE OF CONCRETE SIDEWALK AND SLAB.
	REMOVE AND PROPERLY DISPOSE OF RUBBERIZED PLAY SURFACE ON CONCRETE SLAB.



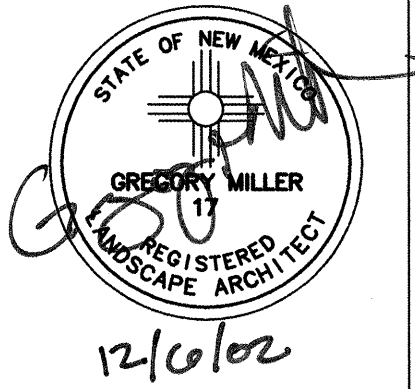
**CITY OF ALBUQUERQUE
PARKS AND RECREATION DEPARTMENT**

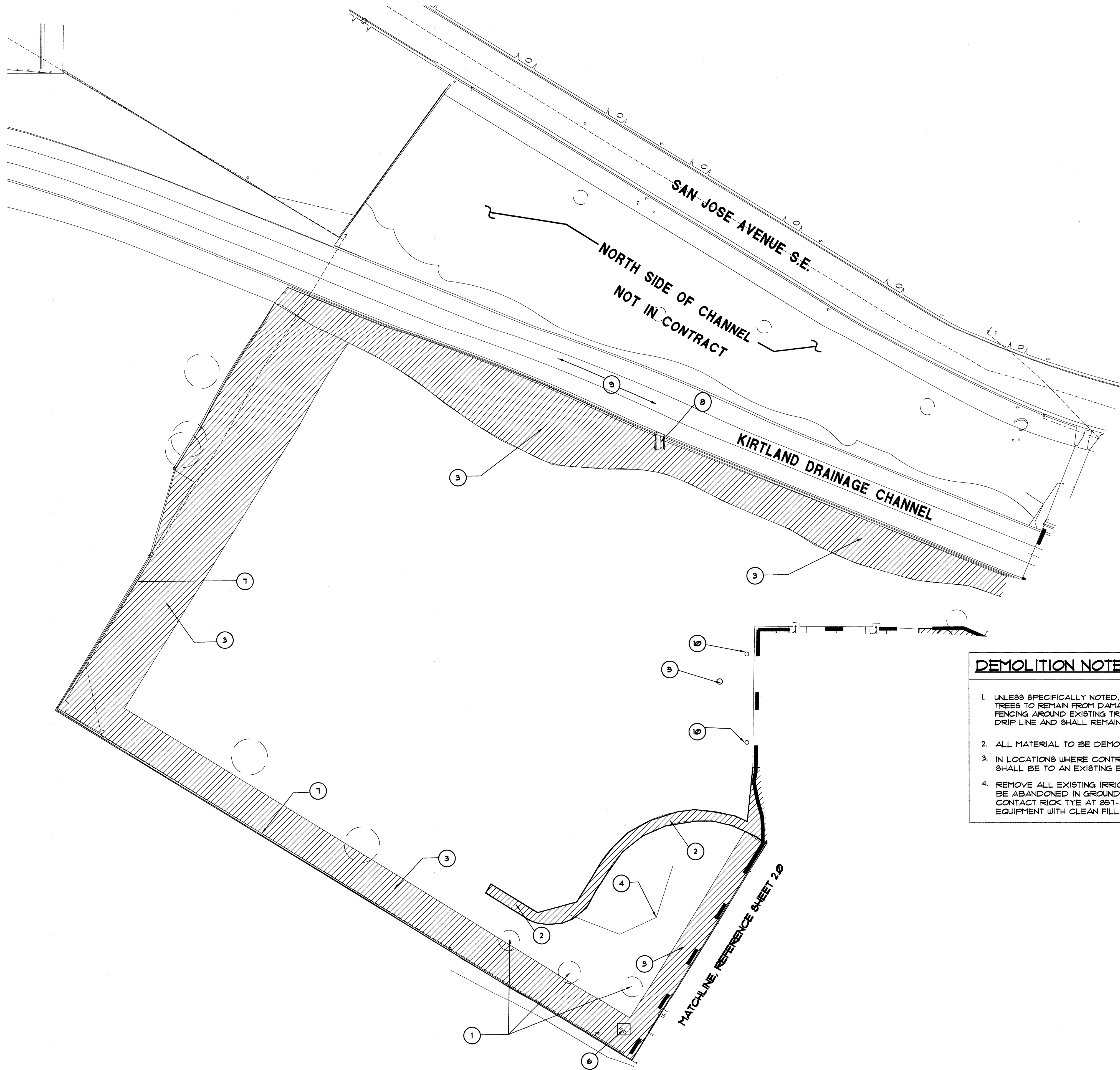
**TITLE: KIRTLAND PARK RENOVATION
DEMOLITION PLAN-EAST** DECEMBER, 2002

Design/Review/Committee	City Engineer Approval	MO./DAY/YR.	MO./DAY/YR.
APPROVED DEC 26 2002	APPROVED DEC 26 2002		
DESIGN REVIEW COMMITTEE	CITY ENGINEER		
City Project No. 6549.03	Zone Map No. M-15-Z	Sheet 2	Of 17

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SURVEY INFORMATION		BENCHMARK		AS BUILT INFORMATION	
FIELD NOTES		AN A.C.S. 1 3/4" ALUMINUM DISK STAMPED "ACS BM, 3"-9"		CONTRACTOR	
BY		DATE		DATE	
NO.		CULVERT PIPE LOCATED ON THE NORTH SIDE OF WESTBOUND I-40, 0.13 +/- MILES OF THE CENTERLINE OF UNSER BLVD. N.W. ELEVATION=5187.56 FEET (M.S.L.D.)		WORK STAKED BY	
				INSPECTOR'S APPROVAL	
				DATE	
				FIELD VERIFICATION BY	
				DATE	
				DRAWING CORRECTED BY	
				DATE	
				MICRO-FILM INFORMATION	
				RECORDED BY	
				NO.	
				DATE	

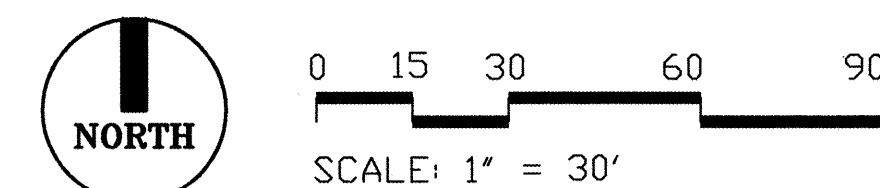




- ### DEMOLITION KEYED NOTES
- 1 REMOVE EXISTING TREES.
 - 2 REMOVE EXISTING SOD AS NECESSARY TO CONSTRUCT CONCRETE WALK. REFERENCE SHEET L-5.0.
 - 3 REMOVE EXISTING SOD AS NECESSARY FOR PLANTING BED. REFERENCE SHEET L-5.0.
 - 4 REMOVE AND PROPERLY DISPOSE OF EXISTING BACKSTOP.
 - 5 REMOVE BACK FLOW DEVICES TO 12" BELOW FINISHED GRADE. (TYPICAL).
 - 6 PRESERVE AND PROTECT EXISTING ELECTRICAL METER AND SWITCH.
 - 7 PRESERVE AND PROTECT FENCE.
 - 8 PRESERVE AND PROTECT CONCRETE HEADWALL AND CONCRETE PIPE.
 - 9 PRESERVE AND PROTECT CONCRETE DRAINAGE CHANNEL.
 - 10 REMOVE LIGHT POLES AND FIXTURES AND DEMOLISH CONCRETE FOOTINGS. (TYP. OF 2)

- ### DEMOLITION NOTES:
1. UNLESS SPECIFICALLY NOTED, ALL EXISTING TREES SHALL REMAIN. THE CONTRACTOR SHALL PROTECT EXISTING TREES TO REMAIN FROM DAMAGE DURING CONSTRUCTION. THE CONTRACTOR SHALL CONSTRUCT PROTECTIVE FENCING AROUND EXISTING TREES. THE BARRIERS ARE TO BE CONSTRUCTED OUTSIDE EACH TREE'S RESPECTIVE DRIP LINE AND SHALL REMAIN IN PLACE THROUGHOUT THE DURATION OF THE PROJECT.
 2. ALL MATERIAL TO BE DEMOLISHED OR REMOVED SHALL BE DISPOSED OF AT A LEGAL DUMP SITE.
 3. IN LOCATIONS WHERE CONTRACTOR IS TO REMOVE CONCRETE WALKS OR CURBS, THE LIMIT OF REMOVAL SHALL BE TO AN EXISTING EXPANSION OR CONTROL JOINT.
 4. REMOVE ALL EXISTING IRRIGATION VALVES, VALVE BOXES, AND ROTOR HEADS. ALL IRRIGATION PIPING TO BE ABANDONED IN GROUND. ALL REMOVED EQUIPMENT SHALL BE RETURNED TO PARKS MANAGEMENT, CONTACT RICK TYE AT 851-8650. BACKFILL ALL VOIDS CREATED BY REMOVAL OF IRRIGATION EQUIPMENT WITH CLEAN FILL.

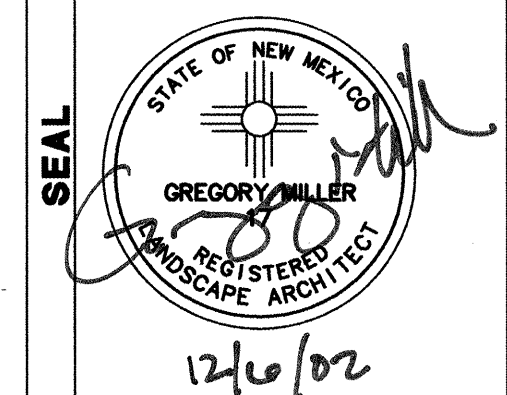
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CITY OF ALBUQUERQUE PARKS AND RECREATION DEPARTMENT			
TITLE: KIRTLAND PARK RENOVATION		DECEMBER, 2002	
DEMOLITION PLAN-WEST			
Design Review Committee	City Engineer Approval	MO./DAY/YR.	MO./DAY/YR.
APPROVED DEC 2 6 2002 DESIGN REVIEW COMMITTEE	APPROVED DEC 2 6 2002 CITY ENGINEER		
City Project No. 6649.03	Zone Map No. M-15-Z	Sheet 3	Of 17

SURVEY INFORMATION		BENCHMARK		AS BUILT INFORMATION	
NO.	BY	DATE	NO.	CONTRACTOR	DATE
				AN A.C.S. 1 3/4" ALUMINUM DISK STAMPED "ACS BM, 3-19"	
				DISK IS SET IN THE NORTH WEST TOP END OF A CONCRETE	
				CULVERT PIPE LOCATED ON THE NORTH SIDE OF WESTBOUND	
				1-40, 0.13 +/- MILES OF THE CENTERLINE OF UNER BLVD. N.W.	
				ELEVATION=5187.56 FEET (M.S.L.D.)	
				DRAWING CORRECTED BY	DATE
				MICRO-FILM INFORMATION	
				RECORDED BY	DATE
				NO.	



SEE ENLARGEMENT A
SHEET 15 OF 17.

NORTH SIDE OF CHANNEL
NOT IN CONTRACT

KIRTLAND DRAINAGE CHANNEL

W1-3L SIGN
B/Y

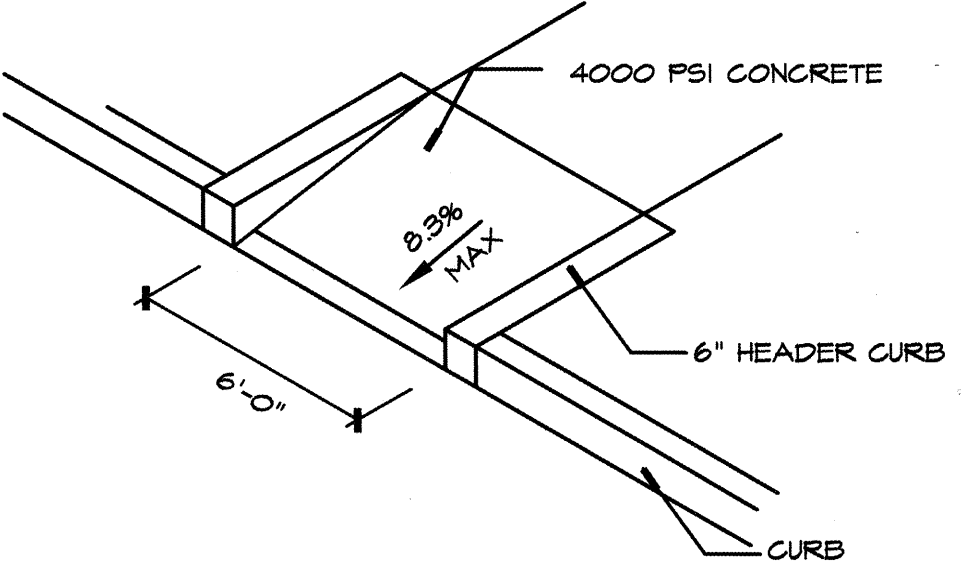
UNIVERSITY BOULEVARD

SEE ENLARGEMENT B
SHEET 15 OF 17.

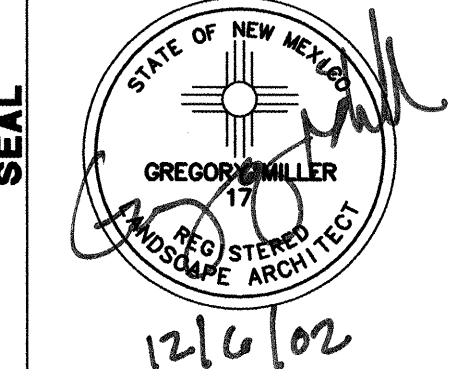
PARKING LOT ACCESS ROAD

PLAY EQUIPMENT NOTES:

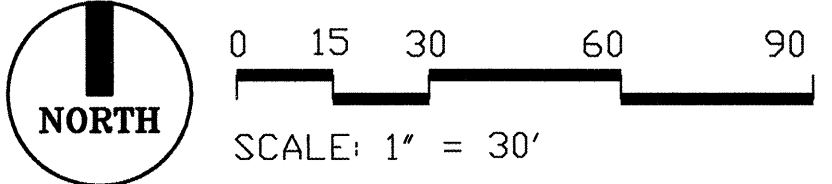
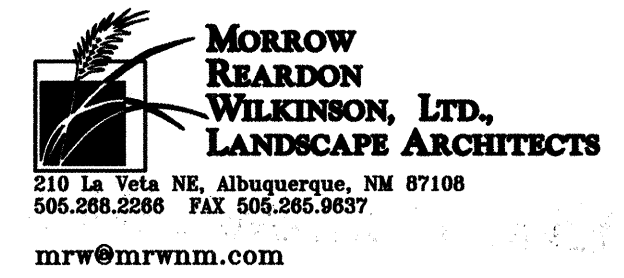
1. THE GROUND SPACE (GS) AND USE ZONE (UZ) FOR EACH PIECE OF PLAY EQUIPMENT SHALL BE AS REQUIRED BY THE EQUIPMENT MANUFACTURER. THE GROUND SPACE IS THE ACTUAL SPACE THAT THE EQUIPMENT OCCUPIES. THE USE ZONE IS THE REQUIRED OBSTACLE FREE SURFACE AROUND THE EQUIPMENT.
2. PRIOR TO FINAL ACCEPTANCE BY THE OWNER, THE CONTRACTOR SHALL PROVIDE AN "AS-BUILT" DRAWING WHICH DOCUMENTS THAT EACH PIECE OF PLAY EQUIPMENT IS CONSTRUCTED WITH THE REQUIRED USE ZONE.
3. PRIOR TO FINAL ACCEPTANCE BY THE OWNER THE CONTRACTOR SHALL PROVIDE WRITTEN AUTHORIZATION THAT THE CONSTRUCTION AND INSTALLATION OF EACH PIECE OF PLAY EQUIPMENT HAS BEEN INSPECTED BY A REPRESENTATIVE OF THE EQUIPMENT MANUFACTURER AND THAT THE CONSTRUCTION AND INSTALLATION OF EACH PIECE OF EQUIPMENT FULLY COMPLIES WITH THE ASTM F-1487-95 AND THE U.S. CONSUMER PRODUCT SAFETY COMMISSION HANDBOOK FOR PUBLIC PLAYGROUND SAFETY.
4. PRIOR TO FINAL ACCEPTANCE BY THE OWNER THE CONTRACTOR SHALL PROVIDE WRITTEN CERTIFICATION THAT THE IMPACT SAFETY SURFACE HAS BEEN INSPECTED AND TESTED BY A CERTIFIED PLAYGROUND AUDITOR AND THAT THE SURFACES MEET THE FALL HEIGHT REQUIREMENTS FOR EACH PIECE OF EQUIPMENT AS REQUIRED TO COMPLY WITH THE ASTM F-1487-95 AND THE U.S. CONSUMER PRODUCT SAFETY COMMISSION HANDBOOK FOR PUBLIC PLAYGROUND SAFETY.



4 HANDICAP ACCESS RAMP
TYPE A



FOR INFORMATION ONLY

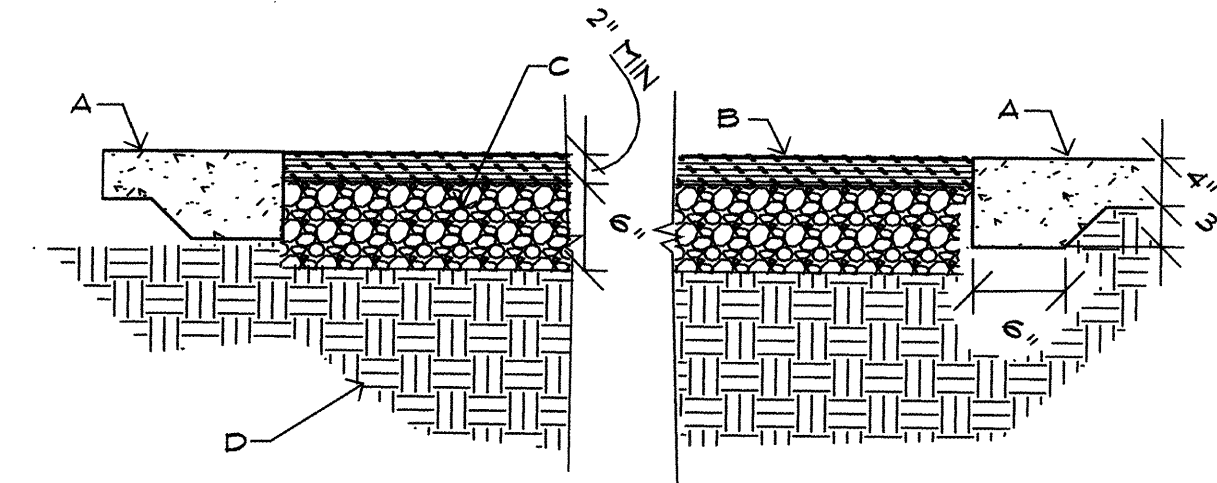
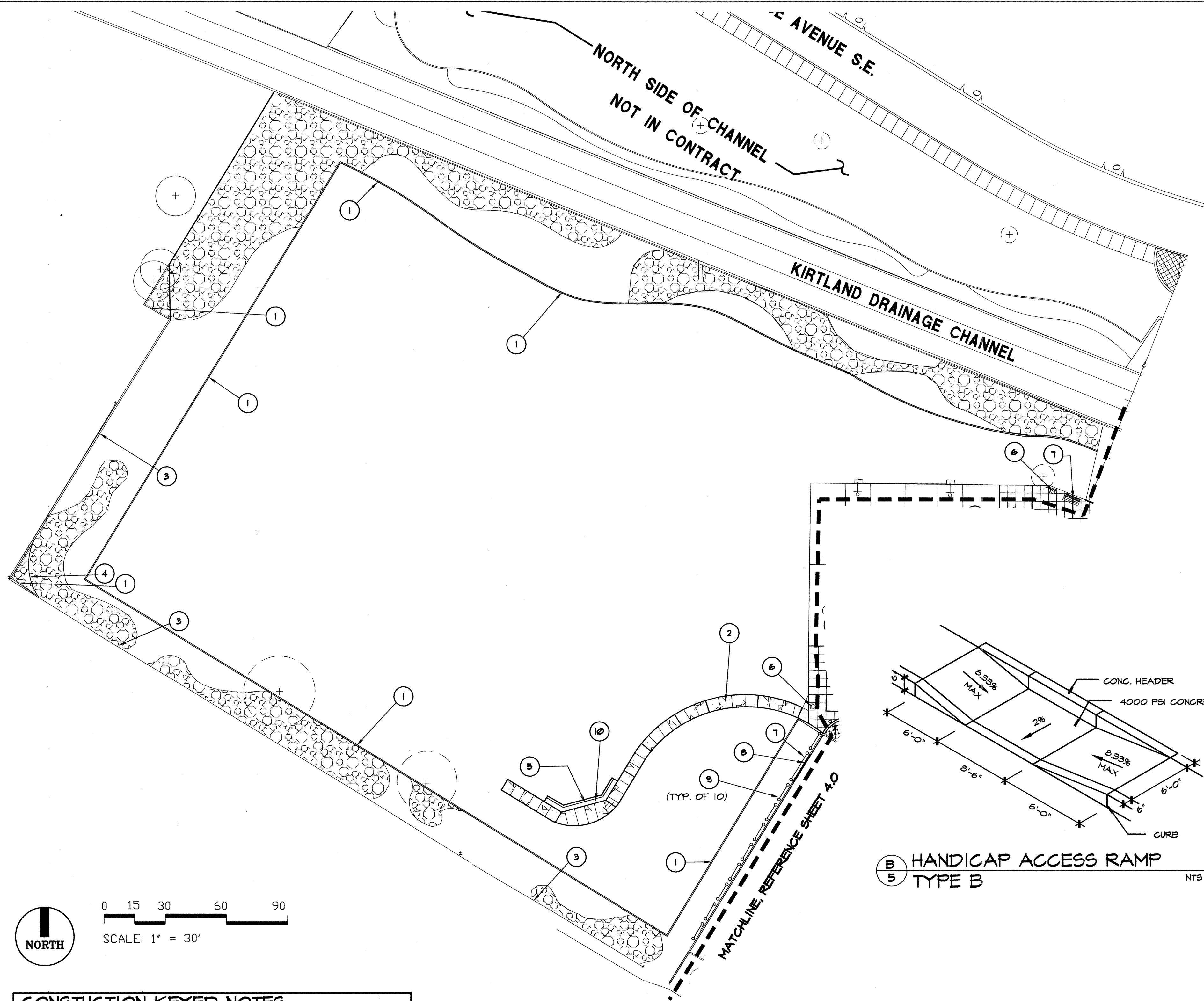


CONSTRUCTION KEYED NOTES

1. CONSTRUCT CONCRETE WALK PER COA STD. DWG 2720.
2. CONCRETE SIDEWALK TO REMAIN.
3. CONCRETE CURB AND GUTTER TO REMAIN.
4. CONSTRUCT MEDIAN CONCRETE CURB AND GUTTER PER STD. COA DWG. 2415. PAINT LENGTH OF NEW CURB WITH TWO COATS YELLOW TRAFFIC PAINT.
5. NEW LOCATION FOR EXISTING SWING. REFERENCE SHEET 2 OF 17.
6. CONSTRUCT 6" CONCRETE MOW CURB. PER COA STD. DWG. 2726.
7. CONSTRUCT CONCRETE PLAZA. REFERENCE DETAIL ENLARGEMENT A, SHEET 15 AND CONCRETE PLAZA REINFORCING DETAIL A/5.
8. FURNISH AND INSTALL BENCH. BENCH SHALL BE RECYCLED PLASTIC BENCH, MODEL NUMBER 16060, S-I EMBEDMENT MOUNT, WITH ADDITIONAL CENTER ARMRESTS AVAILABLE FROM DUMOR, INC. 1-800-948-4018 OR EQUAL AS APPROVED BY LANDSCAPE ARCHITECT. RECYCLED PLASTIC COLOR CEDAR. POST AND SUPPORT COLOR HUNTER GREEN. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
9. CONSTRUCT TYPE C WHEELCHAIR RAMP. REFERENCE DETAIL F/5.
10. CONSTRUCT TYPE B WHEELCHAIR RAMP. REFERENCE DETAIL B/5.
11. CONSTRUCT RETAINING WALLS. REFERENCE SHEETS 6 AND 7.
12. FURNISH AND INSTALL SHADE SHELTER. PARK SHELTER SHALL BE MODEL # OCT 20 AS MANUFACTURED BY POLIGON (OR APPROVED EQUAL). ROOF COLOR, DELFT BLUE, COLUMN POWDER COAT COLOR RED BARON. CONTRACTOR SHALL PROVIDE MANUFACTURER'S STAMPED ENGINEERING DRAWINGS FOR FOOTINGS. BASE OF ALL POSTS SHALL BE SET AT THE SAME ELEVATION. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
13. FURNISH AND INSTALL PLAY EQUIPMENT. PLAY EQUIPMENT SHALL BE KIRTLAND PARK IIB UNIT AS MANUFACTURED BY GAMETIME (OR APPROVED EQUAL). COLOR SHALL BE PLAY PALLETTE-PRIMARY, SUB SELECTION-PRIMARY. AVAILABLE FROM CONTINENTAL LEISURE SALES, PH# 1-800-354-TT21. REFERENCE PLAY EQUIPMENT NOTES THIS SHEET. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
14. CONSTRUCT CONCRETE PAD FOR BENCH. REFERENCE DETAIL C/5.
15. FURNISH AND INSTALL LITTER RECEPTACLE. RECEPTACLE SHALL BE MCCLINTOCK R50-25 32 GAL. CAPACITY WITH RIGID LINER, ONE COLOR UNIT-BRITISH RACING GREEN WITH SELF-LOCKING DOOR. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
16. FURNISH AND INSTALL AN ACCESSIBLE PICNIC TABLE. TABLE SHALL BE MODEL # 11319, CONFIGURATION # 5 AS MANUFACTURED BY LANDSCAPE STRUCTURES (OR APPROVED EQUAL). AVAILABLE FROM EXERPLAY (505) 281-0151. POST AND SUPPORT SHALL BE RED. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
17. PLANTER. REFERENCE SHEET 13 OF 17.
18. CONSTRUCT PLAY SURFACE. REFERENCE DETAIL A/5.
19. FURNISH AND INSTALL BOLLARDS. BOLLARDS SHALL BE MODEL # 2190-E, 5" DIA. METAL BOLLARD AS MANUFACTURED BY TIMBERFORM. POWDER COAT COLOR REGAL BLUE (OR APPROVED EQUAL). INSTALL PER MANUFACTURER'S INSTRUCTIONS. AVAILABLE FROM MOODS SITE AND PLAYSCAPES # (303) 688-2182.
20. FURNISH AND INSTALL PIPE LEANER VEHICULAR BARRIER. MODEL # 2180-B-E. POWDER COAT COLOR SHALL BE REGAL BLUE. AVAILABLE FROM MOODS SITE AND PLAYSCAPES, PH# (303) 688-2182 (OR APPROVED EQUAL). INSTALL PER MANUFACTURER'S INSTRUCTIONS. OFFSET FROM BACK OF CURB SHALL BE 5', OFFSET FROM ADJACENT PIPE LEANER SHALL BE 4'-0".

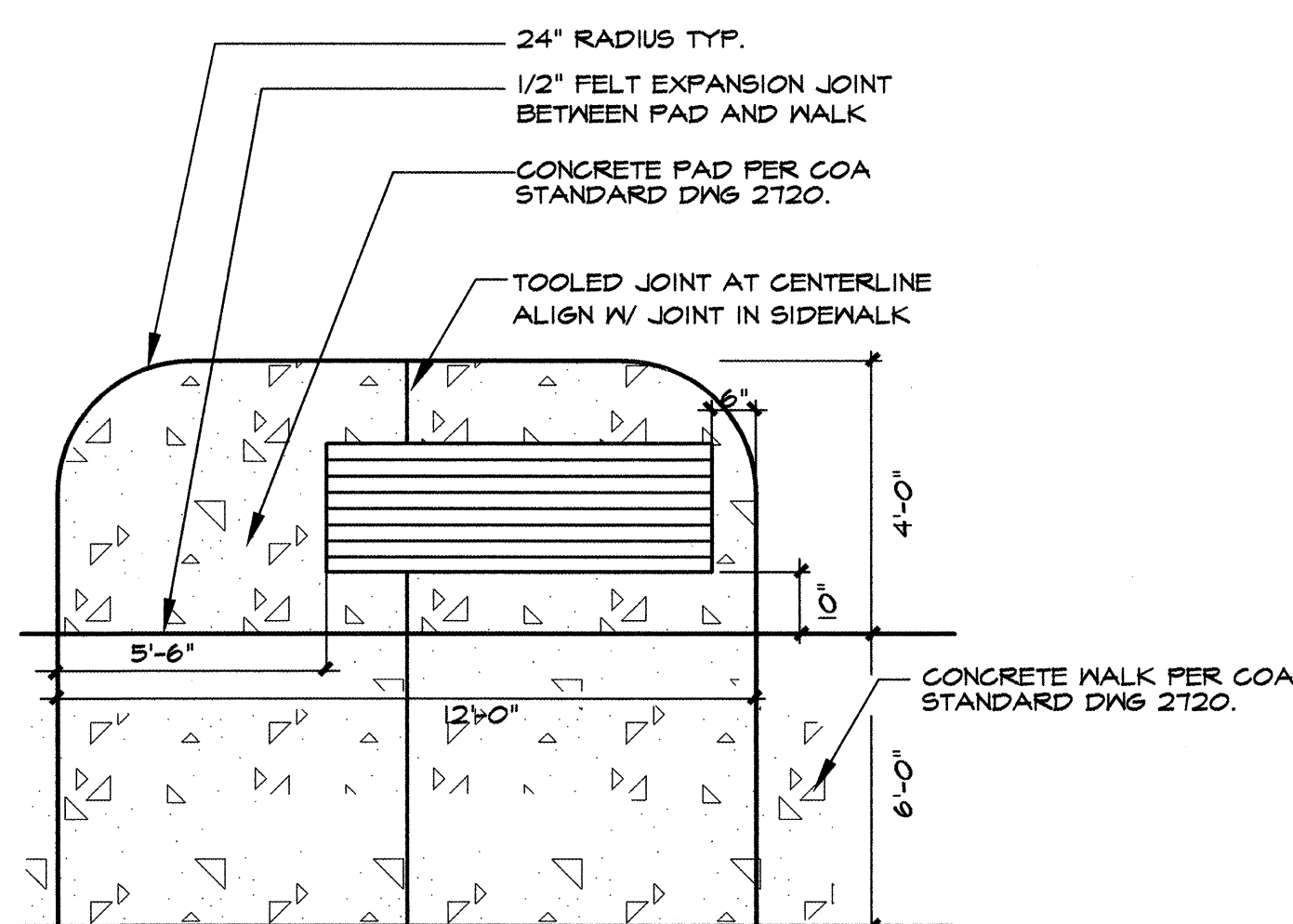
21. PAINT BLUE HANDICAP PARKING SYMBOL.
22. PAINT WHITE STRIPING FOR PARKING AND AT CURBS AS NOTED. COMPLY WITH COA SPEC. SECTION 157.5.
23. FURNISH AND INSTALL A BIKERACK. MODEL #130-20, S-I EMBEDMENT MOUNT, POWDER COAT, DEEP RED. AVAILABLE FROM EXERPLAY, (505) 281-0151. (OR APPROVED EQUAL) INSTALL PER MANUFACTURER'S INSTRUCTIONS.
24. 8" WIDE REFLECTORIZED PAVEMENT MARKING AT 45°, 1" 6'-0" SPACING. (WHITE TRAFFIC PAINT)
25. FURNISH AND INSTALL HANDICAP PARKING SIGN, RT-B, 6-BL/W. INSTALL IN CRUSHER FINE AREA BETWEEN SIDEWALK AND MONCURB. REFERENCE DETAIL D/5.
26. EXISTING HANDICAP RAMP TO REMAIN.
27. FURNISH AND INSTALL A SPEED LIMIT SIGN MODEL #38305, AVAILABLE FROM CHAMPION, 1-800-521-1000. REFERENCE DETAIL E/5.
28. FURNISH AND INSTALL PEDESTRIAN GRAPHIC SIGN, ITEM NUMBER C21193, AVAILABLE FROM CHAMPION 1-800-521-1000. REFERENCE DETAIL E/5.
29. CONTRACTOR SHALL ERADICATE EXISTING STRIPING BY WATER BLASTING OR SURFACE PLANING OF THE ROADWAY TO A MAXIMUM DEPTH OF .25 INCHES AND FOR A WIDTH 10' TO THE WIDTH OF THE STRIPE OR MARKING TO BE REMOVED.
30. FURNISH AND INSTALL CHEVRON ALIGNMENT SIGN, W-6. REFERENCE DETAIL E/5.
31. FURNISH AND INSTALL HANDICAP PARKING AND VAN ACCESSIBLE SIGN, RT-B, 6-BL/W. WITH ALUMINUM SIGN #38154HS WHITE LETTERS ON BLUE BACKGROUND. INSTALL IN CRUSHER FINE AREA BETWEEN SIDEWALK AND MONCURB. REFERENCE DETAIL D/5.
32. 12' 0" WIDE CROSSWALK WITH 12" WIDE, WHITE REFLECTORIZED PLASTIC TRAFFIC STRIPING. COMPLY WITH COA SPEC. SECTION 157.5.
33. RESTRIPE BASKETBALL COURT. (2 COATS WHITE TRAFFIC PAINT)
34. PLAY EQUIPMENT USE ZONE. REFERENCE PLAY EQUIPMENT NOTES, THIS SHEET.
35. CONSTRUCT CONCRETE RUNDOWN. SEE DETAIL B/15.
36. FURNISH AND INSTALL A PICNIC TABLE, MODEL # 11319, CONFIGURATION NO. 1 AS MANUFACTURED BY LANDSCAPE STRUCTURES (OR APPROVED EQUAL). AVAILABLE FROM EXERPLAY (505) 281-0151. POST AND SUPPORT SHALL BE RED. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
37. CONSTRUCT CONCRETE SIDEWALK PER COA STD. DWG. 2430. SLOPE WALK AT 1:12 MAXIMUM. REFERENCE DETAIL A/4.
38. CONSTRUCT HEADER CURB PER COA. DWG. 2415. REFERENCE DETAIL A/4.

CITY OF ALBUQUERQUE PARKS AND RECREATION DEPARTMENT			
TITLE: KIRTLAND PARK RENOVATION CONSTRUCTION PLAN-EAST		DECEMBER, 2002	
Design: Review: Committee:	City Engineer: Approval:	MO/DAY/YR.	MO/DAY/YR.
APPROVED DEC 2 6 2002	APPROVED DEC 2 6 2002	MO/DAY/YR.	MO/DAY/YR.
City Project No. 6549.03	Zone Map No. M-15-Z	Sheet 4	Of 17



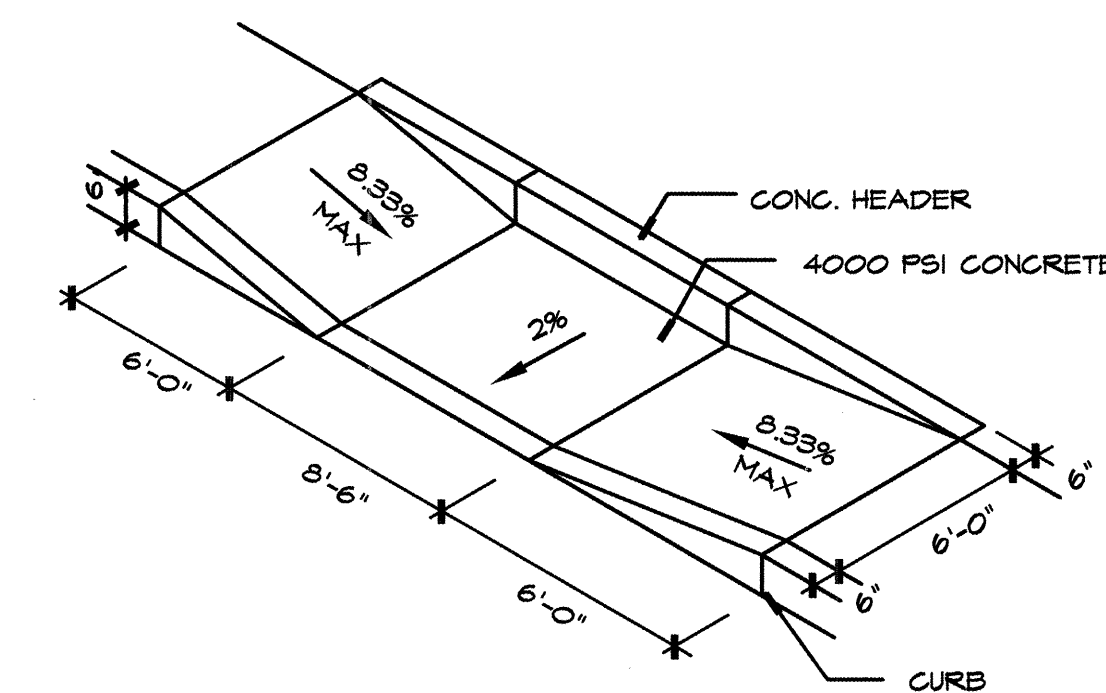
- CONSTRUCTION NOTES:**
- CONCRETE SLAB WITH THICKENED EDGE AT PLAY SURFACING. REFERENCE ENLARGEMENT A, SHEET 15, AND DETAIL A/15.
 - GT IMPAX POURED IN PLACE PLAY RUBBER SURFACING. AVAILABLE FROM CONTINENTAL LEISURE, PH# 1-800-543-2232. IMPAX COLORS SHALL BE 1/2 BLACK WITH EQUAL RATIOS OF YELLOW, RED, AND BLUE FOR BALANCE OF SURFACING. NOTE: THE GT IMPAX SURFACING IS THE USE THE SURFACE SHALL BE INSTALLED TO THE LIMITS SHOWN ON THE PLAN. THE SURFACE SHALL EXTEND BEYOND THE LIMITS OF THE USE ZONE TO CREATE AN ACCESSIBLE SURFACE ONTO THE PLAY AREA. CONTRACTOR SHALL MODIFY THICKNESS OF IMPACT RUBBER SURFACING AS REQUIRED TO MEET FALL HEIGHT REQUIREMENT OF PLAY EQUIPMENT.
 - 95% COMPACTED BASE COURSE
 - SUBGRADE COMPACTED TO 95%. (SEE COA SPECIFICATION SECTION 301).

SECTION AA
NTS

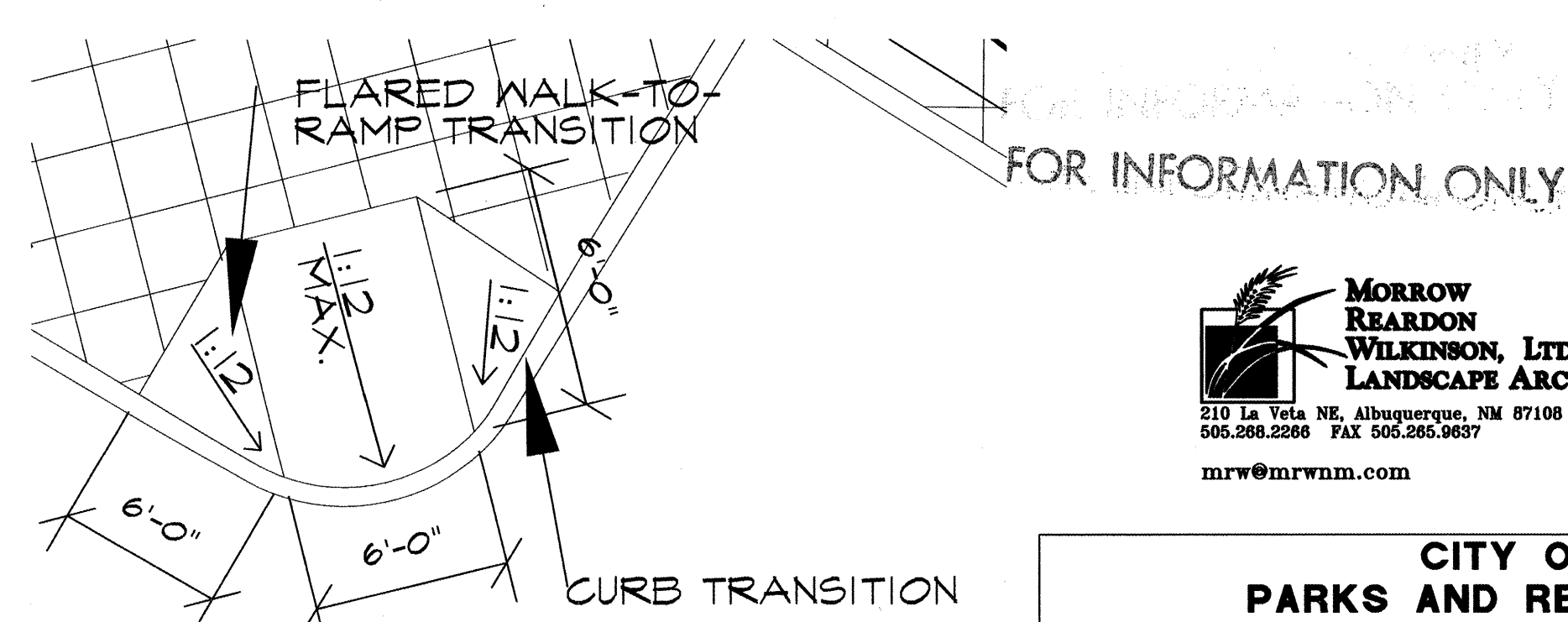


- NOTES:**
- CONCRETE PAD SHALL HAVE A 2% CROSS SLOPE FOR DRAINAGE.
 - BENCH SHALL FACE CONCRETE WALK.

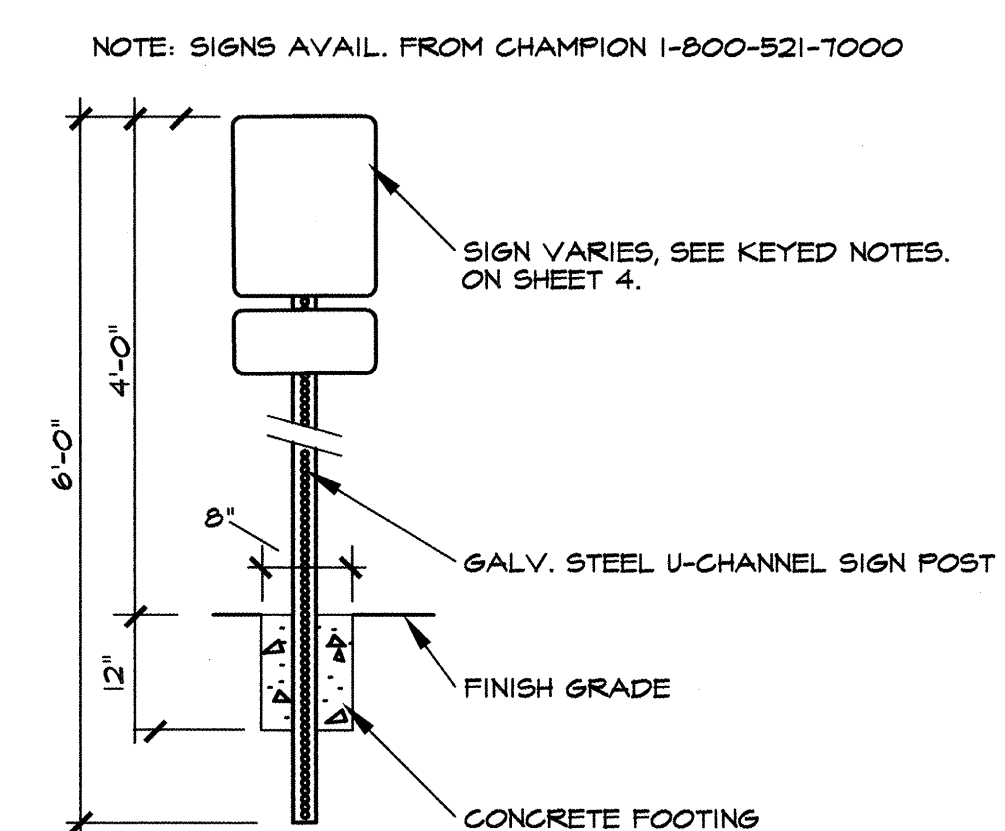
CONCRETE PAD FOR BENCH
N.T.S.



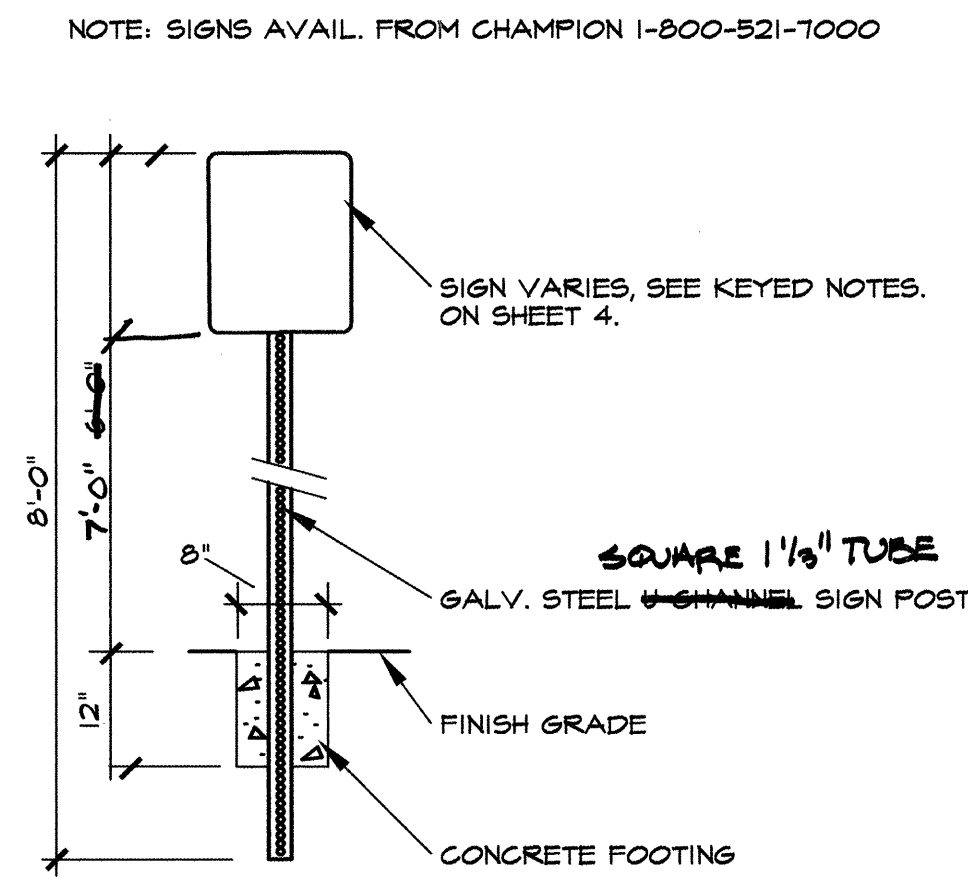
HANDICAP ACCESS RAMP TYPE B
NTS



HANDICAP ACCESS RAMP TYPE C
NTS



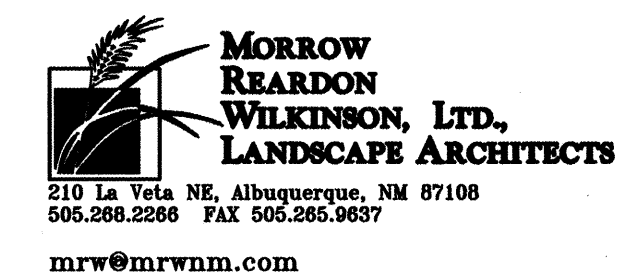
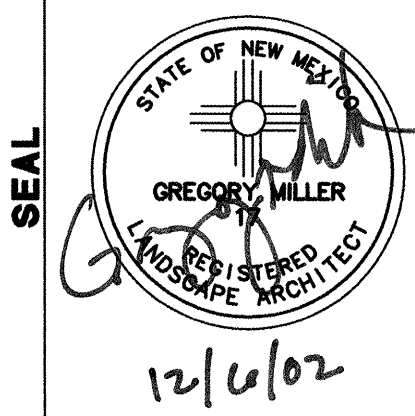
SIGN INSTALLATION- TYPE A
N.T.S.



SIGN INSTALLATION TYPE B
N.T.S.

- CONSTRUCTION KEYED NOTES**
- CONSTRUCT 6" CONCRETE MON CURB PER COA STD. DWG. 2726.
 - CONSTRUCT CONCRETE WALK PER COA STD. DWG. 2720.
 - CONSTRUCT CURB AND GUTTER. REFERENCE SHEET 7 OF 17.
 - CONSTRUCT MODIFIED MEDIAN CURB AND GUTTER. REFERENCE SHEET 7 OF 17.
 - FURNISH AND INSTALL A BASEBALL BACKSTOP MODEL # 4120 AS MANUFACTURED BY GAMETIME (OR APPROVED EQUAL). AVAILABLE FROM CONTINENTAL LEISURE SALES (505) 1-800-543-2232. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
 - FURNISH AND INSTALL LITTER RECEPTACLE. RECEPTACLE SHALL BE MCCLINTOCK R50-25 32 GAL. CAPACITY WITH RIGID LINER, ONE COLOR UNIT- BRITISH RACING GREEN WITH SELF-LOCKING DOOR. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
 - FURNISH AND INSTALL A 12" MAINTENANCE ACCESS GATE. REFERENCE COA STD. DWG. 2251.
 - CONSTRUCT 15'-0" LENGTH OF ROLL-DOWN CURB PER COA STD. DWG. 2415.
 - FURNISH AND INSTALL PIPE LEANER VEHICULAR BARRIER, MODEL # 2180-B-E (OR APPROVED EQUAL). POWDER COAT COLOR SHALL BE REGAL BLUE. AVAILABLE FROM WOODS SITE AND PLAYSCAPES, PH# (303) 688-2132. INSTALL PER MANUFACTURER'S INSTRUCTIONS. OFFSET FROM BACK OF CURB SHALL BE 5', OFFSET FROM ADJACENT PIPE LEANER SHALL BE 4'-0".
 - CONSTRUCT CONCRETE EDGER AT FENCE PER COA STD. DWG. 2725.

AS BUILT INFORMATION		BENCHMARK		SURVEY INFORMATION		SEAL		REVISIONS / REMARKS		BY		DATE	
CONTRACTOR	DATE:	AN A.C.S. 1 3/4" ALUMINUM DISK STAMPED "ACS BM 3-18"	DATE:	FIELD NOTES	NO.	DATE	NO.	NO.	DATE	NO.	DATE	NO.	DATE
WORK STAKED BY	DATE:	DISK IS SET IN THE NORTH WEST TOP END OF A CONCRETE	DATE:										
INSPECTOR'S APPROVAL	DATE:	CULVERT PIPE LOCATED ON THE NORTH SIDE OF WESTBOUND	DATE:										
FIELD VERIFICATION BY	DATE:	I-40, 0.13 +/- MILES OF THE CENTERLINE OF UNER BLVD. N.W.	DATE:										
DRAWING CORRECTED BY	DATE:	ELEVATION=5187.56 FEET (M.S.L.D.)	DATE:										
MICRO-FILM INFORMATION	DATE:		DATE:										
RECORDED BY	NO.		NO.										

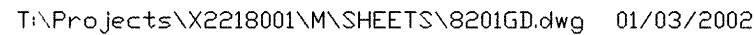


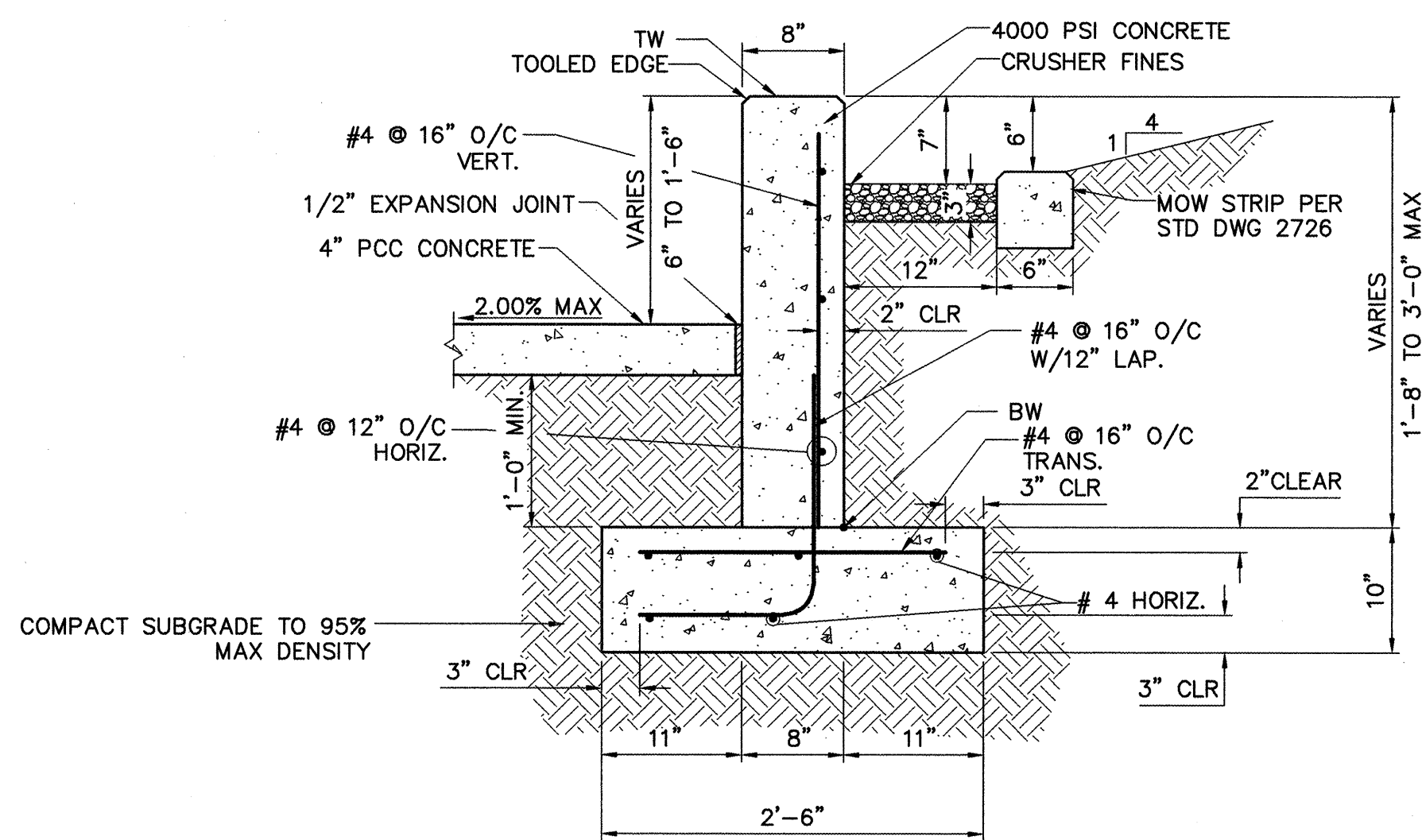
**CITY OF ALBUQUERQUE
PARKS AND RECREATION DEPARTMENT**

**TITLE: KIRTLAND PARK RENOVATION
CONSTRUCTION PLAN-WEST** DECEMBER, 2002

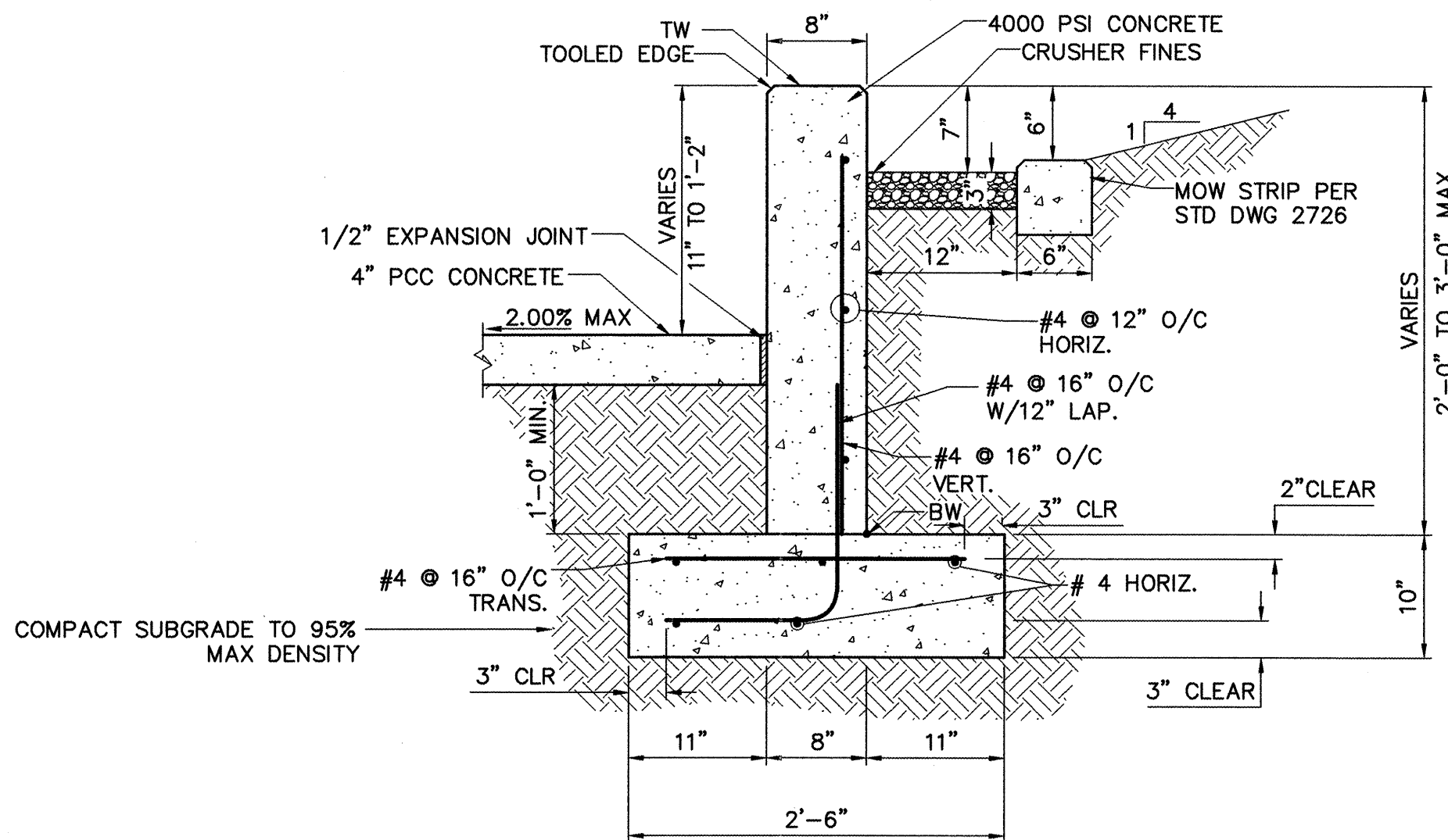
Design	Review	Committee	City Engineer Approval	MO/DAY/YR	MO/DAY/YR
DES 2 R 2002			DEC 2 6 2002		
REVISED			CITY ENGINEER		

City Project No. **6549.03** Zone Map No. **M-15-Z** Sheet **5** Of **17**

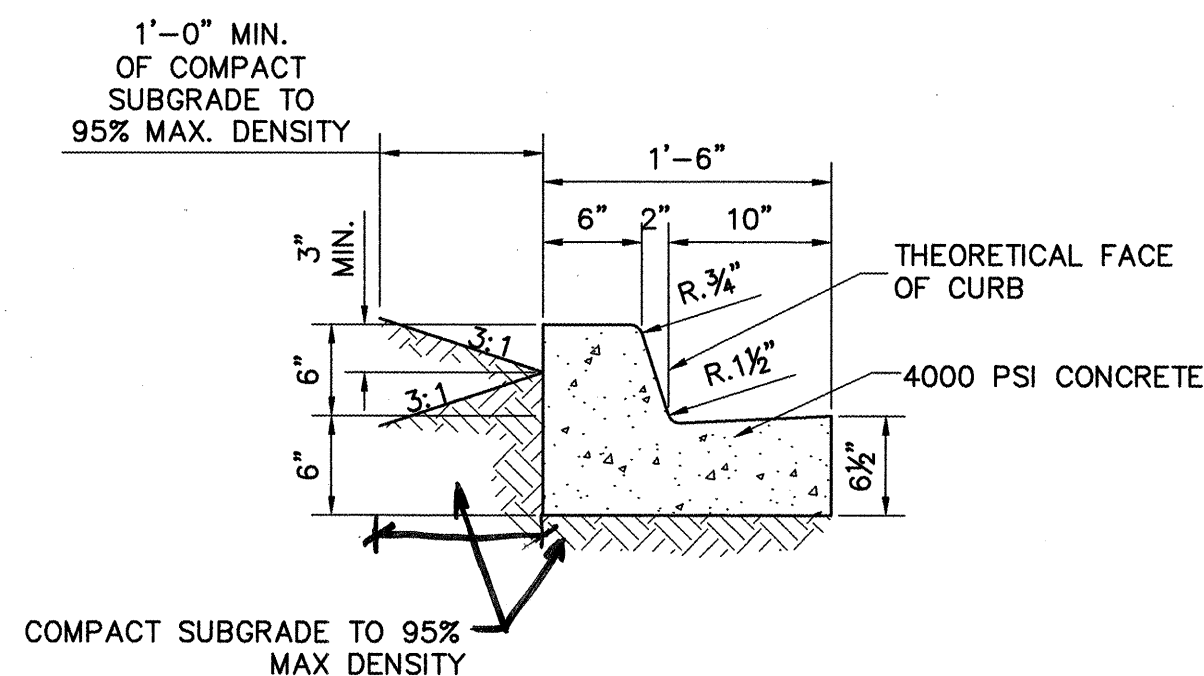




SECTION A
SCALE 1" = 1'

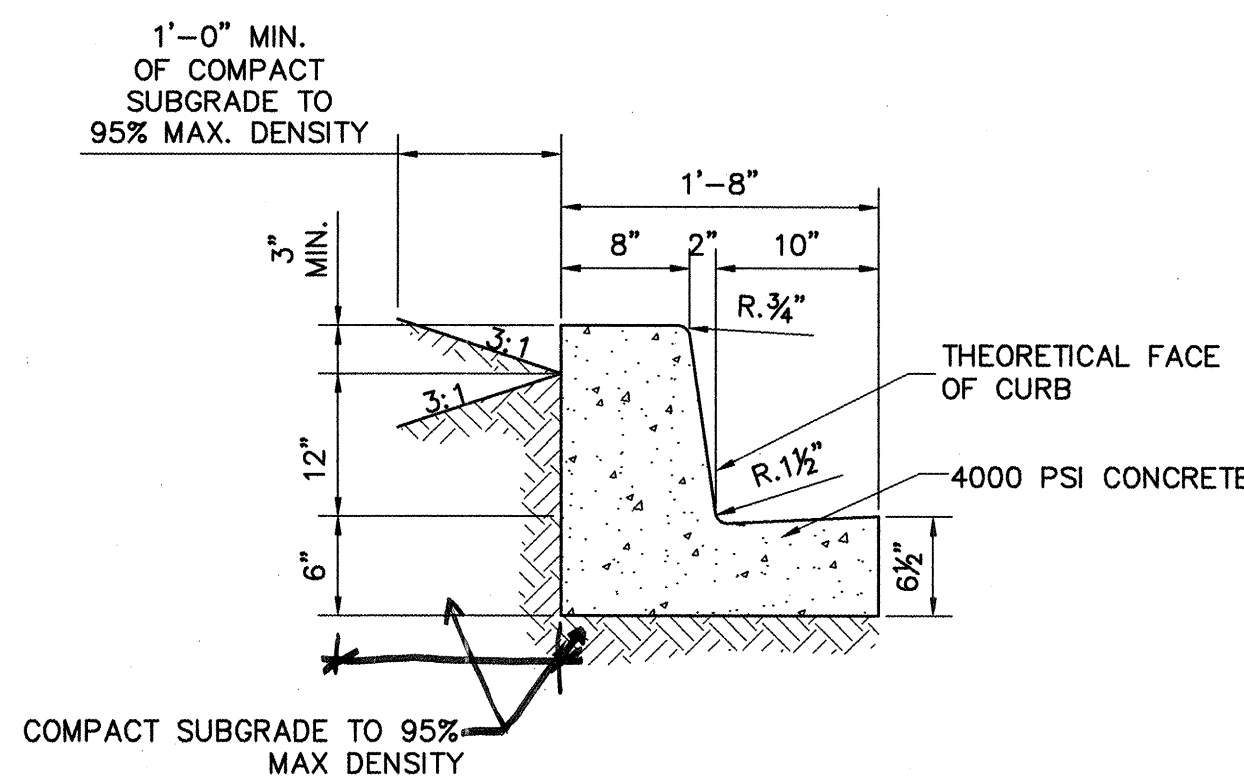


SECTION B
SCALE 1" = 1'



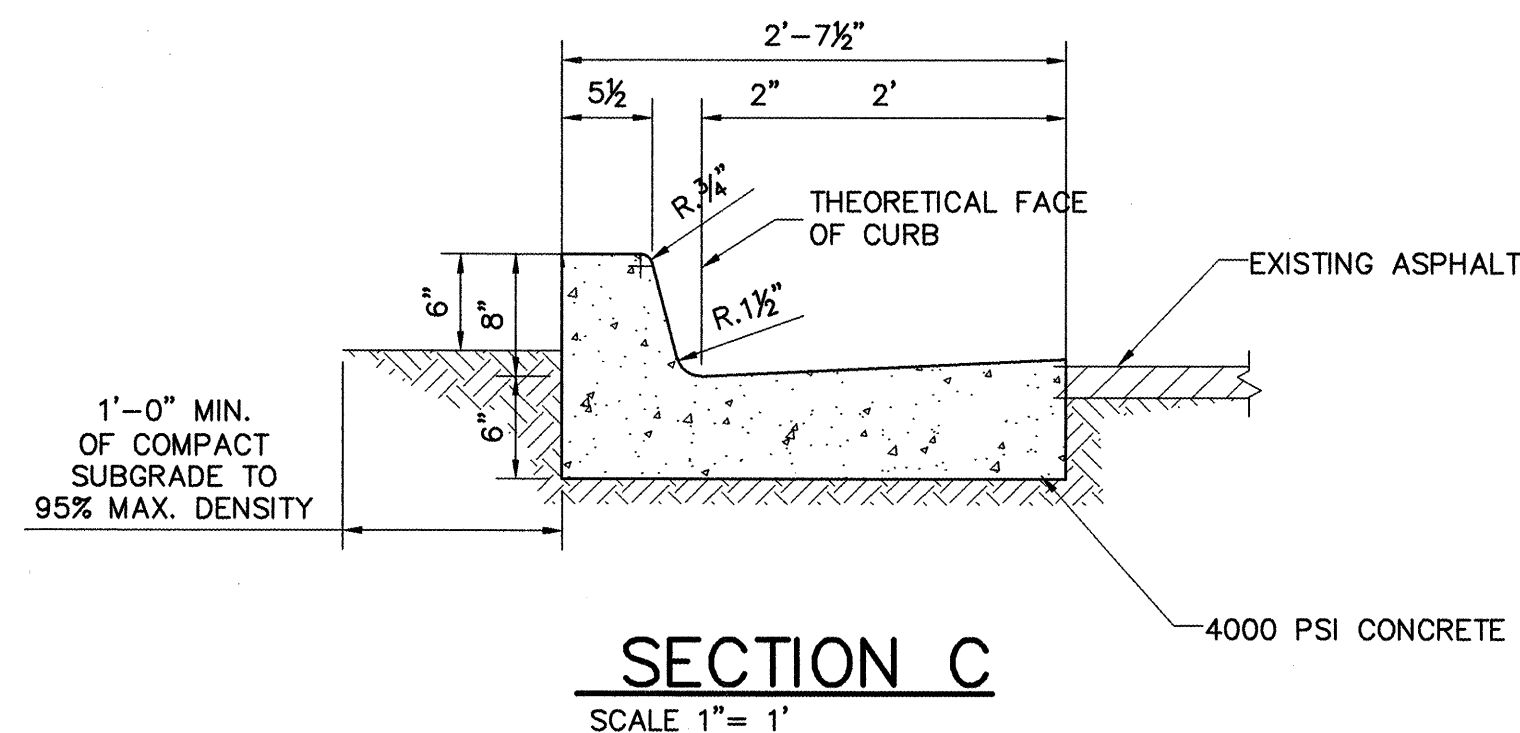
MEDIAN CURB & GUTTER DETAIL
SCALE 1" = 1'

- NOTE:**
1. DIMENSION AT ROUNDED CORNERS MEASURED TO INTERSECTION OF STRAIGHT LINES.
 2. CONTRACTION JOINTS TO BE PLACED EVERY 5'-0" EXPANSION JOINTS TO BE PLACED EVERY 20'-0"



MODIFIED MEDIAN CURB & GUTTER DETAIL
SCALE 1" = 1'

- NOTE:**
1. DIMENSION AT ROUNDED CORNERS MEASURED TO INTERSECTION OF STRAIGHT LINES.
 2. CONTRACTION JOINTS TO BE PLACED EVERY 5'-0" EXPANSION JOINTS TO BE PLACED EVERY 20'-0"



- SECTION C**
SCALE 1" = 1'
- NOTE:**
1. DIMENSION AT ROUNDED CORNERS MEASURED TO INTERSECTION OF STRAIGHT LINES.
 2. CONTRACTION JOINTS TO BE PLACED EVERY 5'-0" EXPANSION JOINTS TO BE PLACED EVERY 20'-0"

FOR INFORMATION ONLY

AS BUILT INFORMATION		BENCH MARK		SURVEY INFORMATION		SEAL		REVISIONS/REMARKS		BY		DATE	
CONTRACTOR	DATE:	AN A.C.S. 1 3/4" ALUMINUM DISK STAMPED	NO.	FIELD NOTES	NO.	13686	NO.	DESIGNED BY: JAT	DATE: 10/16/02	DESIGNED BY: JAT	DATE: 10/16/02	DESIGNED BY: JAT	DATE: 10/16/02
WORK STAKED BY	DATE:	"ACS BM, 3-19" DISK IS SET IN THE NORTH	BY		BY	13686	BY	DRAWN BY: JLB	DATE: 10/16/02	DRAWN BY: JLB	DATE: 10/16/02	DRAWN BY: JLB	DATE: 10/16/02
INSPECTOR'S APPROVAL	DATE:	WEST TOP END OF A CONCRETE CULVERT				13686		CHECKED BY: DSA	DATE: 10/16/02	CHECKED BY: DSA	DATE: 10/16/02	CHECKED BY: DSA	DATE: 10/16/02
FIELD VERIFICATION BY	DATE:	PIPE LOCATED ON THE NORTH SIDE OF				13686							
DRAWING CORRECTED BY	DATE:	WESTBOUND 1-40, 0.13 +/- MILES OF THE				13686							
MICRO-FILM INFORMATION	DATE:	CENTERLINE OF UNSER BLVD. N.W.				13686							
RECORDED BY	DATE:	ELEVATION=5187.56 FEET (M.S.L.D.)				13686							
NO.						13686							

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2600 THE AMERICAN ROAD S.E.
SUITE 100
RIO RANCHO, NEW MEXICO
87124
(505) 898-8021

CITY OF ALBUQUERQUE
PARKS & RECREATION DEPARTMENT

KIRTLAND PARK RENOVATION
2903 UNIVERSITY BLVD., SE
MISCELLANEOUS DETAILS

Design Review Committee
APPROVED
DEC 26 2002
DESIGN REVIEW COMMITTEE

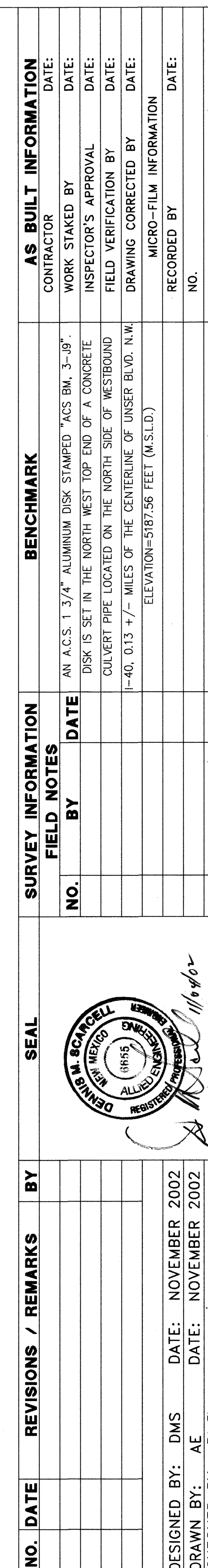
City Engineer Approval
APPROVED
DEC 26 2002
CITY ENGINEER



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


City Project No. 6549.03

Zone Map No. M-15


Sheet 7.0 Of 17



Design Review Committee 		City Engineer Approval 		Last Design Update	MO./DAY/YR. 		MO./DAY/YR. 		
City Project No. 0549.03				Zone Map No. M-15-Z		Sheet		Of	
						8		17	

**A
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L
I
D**  **ENGINEERING**

**8000 PENNSYLVANIA CIRCLE N.E.
SUITE "B"
ALBUQUERQUE, NEW MEXICO 87110
DENNIS M. SCARCELL, P.E.
(505)262-1766**



**MORROW
REARDON
WILKINSON, LTD.,
LANDSCAPE ARCHITECTS**

210 La Veta NE, Albuquerque, NM 87108
505.268.2266 FAX 505.265.9637

mrw@mrwnm.com

COORDINATE LEGEND:
X = EASTING Y = NORTHING

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CONTROL POINTS COORDINATE LEGEND:

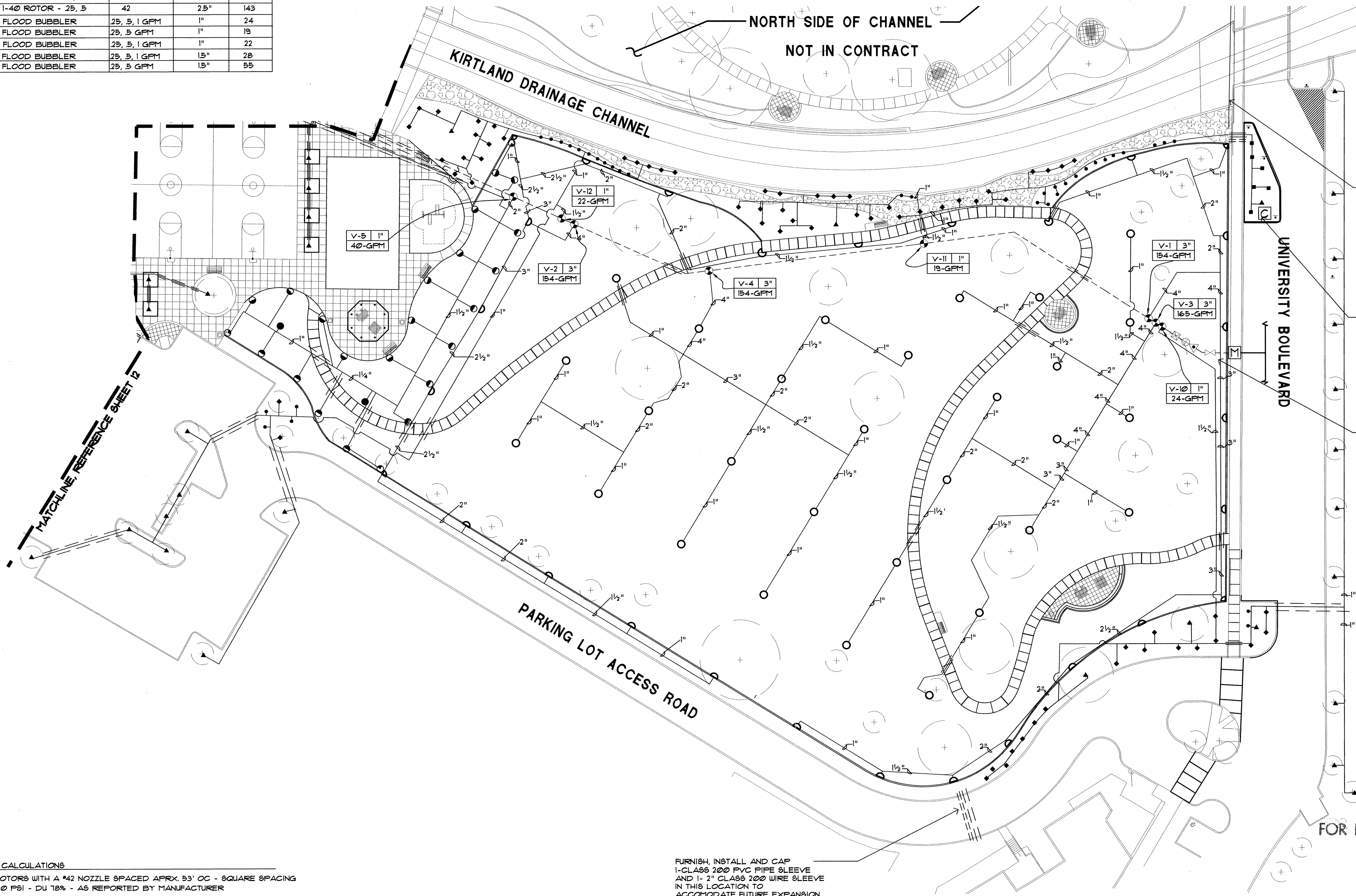
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FOR INFORMATION ONLY



CITY OF ALBUQUERQUE PARKS AND RECREATION DEPARTMENT			
TITLE: KIRTLAND PARK RENOVATION DIMENSION PLAN-WEST		DECEMBER 2002	
Design Review Committee APPROVED DEC 2 6 2002	City Engineer Approval APPROVED DEC 2 6 2002 CITY ENGINEER	MO./DAY/YR.	MO./DAY/YR.
City Project No. 6549.03	Zone Map No. M-15-Z	Sheet 10	Of 17

VALVE LEGEND				
VALVE NO.	HEAD OR EMITTER TYPE	NOZZLE SIZE	VALVE SIZE	GPM
1	1-40 ROTOR - 25, 5, 75	40, 42	3"	154
2	1-40 ROTOR - 25, 5, 75	40, 42	3"	154
3	1-40 ROTOR - FULL	42	3"	165
4	1-40 ROTOR - FULL	42	3"	154
5	1-20 ROTOR - 25, 5, FULL	.75, 15, 3 SR	1"	40
6	1-40 ROTOR - FULL	42	3"	154
7	1-40 ROTOR - FULL	42	2.5"	132
8	1-40 ROTOR - 5, 25	42	2.5"	143
9	1-40 ROTOR - 25, 5	42	2.5"	143
10	FLOOD BUBBLER	25, 5, 1 GPM	1"	24
11	FLOOD BUBBLER	25, 5 GPM	1"	19
12	FLOOD BUBBLER	25, 5, 1 GPM	1"	22
13	FLOOD BUBBLER	25, 5, 1 GPM	1.5"	28
14	FLOOD BUBBLER	25, 5 GPM	1.5"	55



WIRES FROM 3 VALVES, ONE MASTER VALVE AND ONE FLOW METER ON NORTH SIDE OF CHANNEL ARE PULLED THROUGH 2" DIA METAL CONDUIT AT THIS LOCATION. LOW-VOLTAGE WIRES TO NORTH SIDE BACKFLOW PREVENTER ARE PULLED THROUGH THE 1" DIA. METAL CONDUIT AT THIS LOCATION.

RELOCATE EXISTING CONTROLLER INSIDE OF PLANTER BED. AFTER RELOCATION OF CONTROLLER AND DURING THE COURSE OF CONSTRUCTION, THE CONTRACTOR SHALL PROTECT AND PRESERVE EXISTING LOW-VOLTAGE WIRES FROM THE ELECTRIC VALVES ON THE NORTH SIDE OF THE PARK. LOCATION OF EXISTING WIRES IS APPROXIMATE AND CONTRACTOR SHALL FIELD VERIFY LOCATION. POWER IS TO CONTINUALLY BE SUPPLIED TO THE EXISTING CONTROLLER TO IRRIGATE THE NORTH SIDE LANDSCAPE DURING CONSTRUCTION PER PARK MANAGEMENT INSTRUCTIONS.

- CONTRACTOR SHALL FIELD VERIFY SIZE OF PRESSURE TAP AT EXISTING POINT OF CONNECTION (P.O.C.). THE CONTRACTOR SHALL VERIFY THAT THE SIZE OF THE P.O.C. IS 4" OR LARGER. IF THE SIZE OF THE P.O.C. IS LESS THAN 4" THE CONTRACTOR SHALL INFORM THE LANDSCAPE ARCHITECT AND FURTHER INSTRUCTIONS WILL BE PROVIDED. IF THE P.O.C. IS 4" OR LARGER, THE CONTRACTOR SHALL INSTALL A 4" METER PER COA STD DWG. 2363 (91M).

NO.	DATE	REVISIONS / REMARKS	BY	SEAL	SURVEY INFORMATION	BENCHMARK	AS BUILT INFORMATION	
				<p style="text-align: center;">GREGORY MILLER REGISTERED LANDSCAPE ARCHITECT</p> <p style="font-size: 1.2em; font-weight: bold;">12/6/02</p>	FIELD NOTES			
					NO.	BY	DATE	
								CONTRACTOR DATE:
								WORK STAKED BY DATE:
								INSPECTOR'S APPROVAL DATE:
								FIELD VERIFICATION BY DATE:
							DRAWING CORRECTED BY DATE:	
						ELEVATION=5187.56 FEET (M.S.L.D.)	MICRO-FILM INFORMATION	
							RECORDED BY DATE:	
							NO.	
DESIGNED BY:	KR	DATE: DECEMBER 2002						
DRAWN BY:	KR	DATE: DECEMBER 2002						
CHECKED BY:	CM	DATE: DECEMBER 2002						

CU AND DU CALCULATIONS

FOR 1-40 ROTORS WITH A #42 NOZZLE SPACED APRX. 53' OC - SQUARE SPACING
ASSUMED 60 PSI - DU 78% - AS REPORTED BY MANUFACTURER

FOR 1-20 ROTORS WITH A .75 SR NOZZLE SPACED 24' OC - SQUARE SPACING
ASSUMED 40 PSI - DU 82% - AS REPORTED BY MANUFACTURER

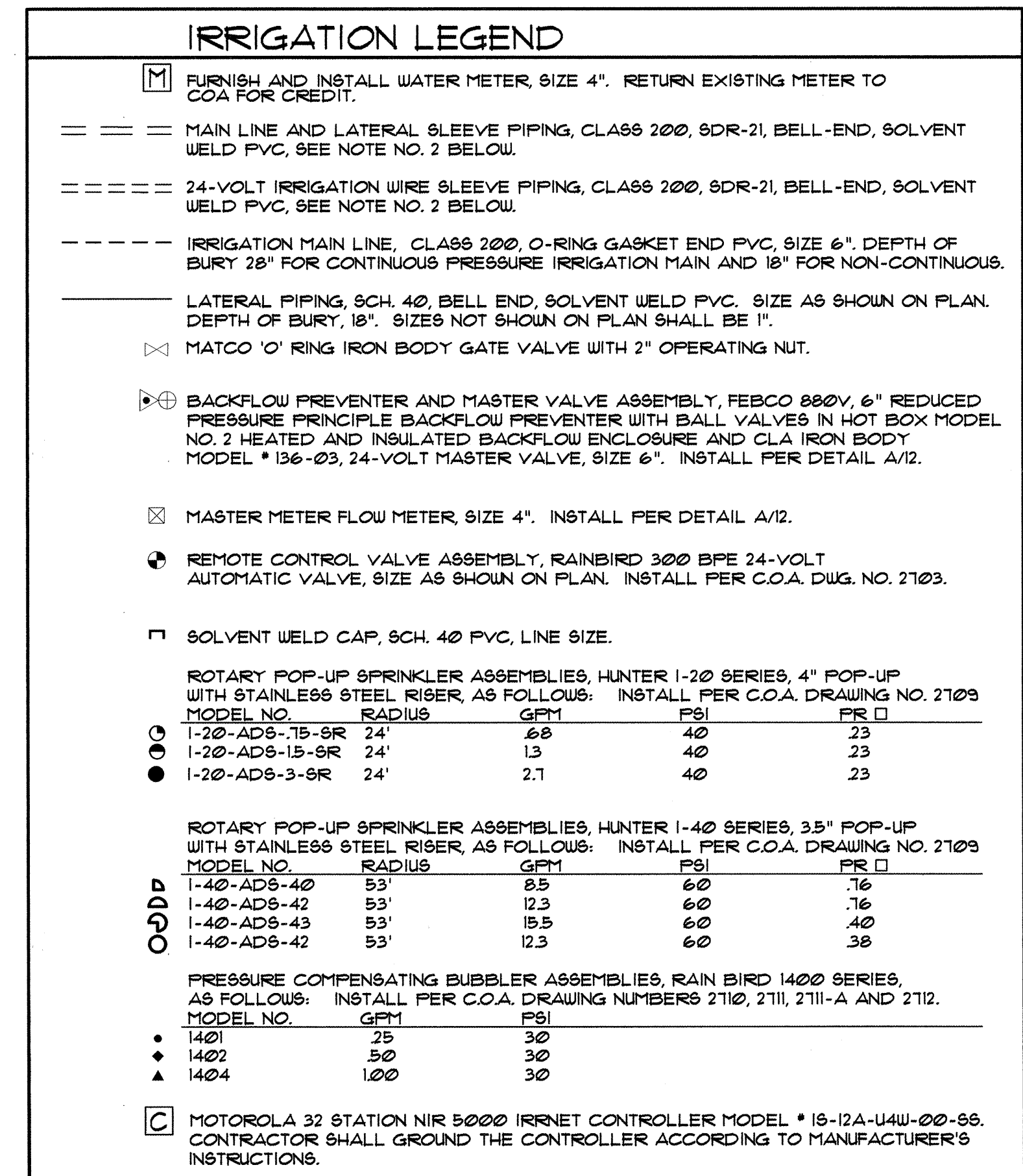
IRRIGATION SCHEDULE					
PROGRAM	VALVES	FR CALC	TOTAL RUN TIME	TOTAL GPM	COMMENTS
A	3,4	38	132	319	
B	6,7	38	132	286	
C	12	16	66	308	
D	8,9	16	66	297	
E	5	16	108	40	
F	10, 11, 12, 13, 14	NA	00	179	
99	M			450	MAX FLOW @ MASTER
TOTAL TIME			3012 MINUTES	APPLIES 1/2" IN 5.12 HOURS	

FURNISH, INSTALL AND CAP —
1-CLASS 200 PVC PIPE SLEEVE
AND 1- 2" CLASS 200 WIRE SLEEVE
IN THIS LOCATION TO
ACCOMMODATE FUTURE EXPANSION
OF THIS IRRIGATION SYSTEM.

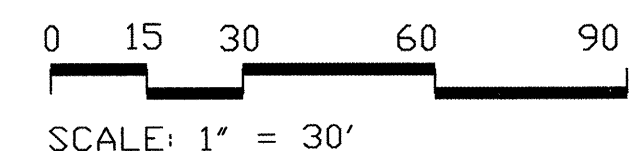
FOR IRRIGATION LEGEND
SEE SHEET 12 OF 17



<p align="center">CITY OF ALBUQUERQUE PARKS AND RECREATION DEPARTMENT</p>			
<p>TITLE: <i>KIRTLAND PARK RENOVATION</i> <i>IRRIGATION PLAN - EAST</i></p>		<p align="right">DECEMBER, 2002</p>	
<p>Design Review Committee</p> <p align="center">APPROVED DEC 2 6 2002 DESIGN REVIEW COMMITTEE</p>	<p>City Engineer Approval</p> <p align="center">APPROVED DEC 2 6 2002 CITY ENGINEER</p>	<p>Last Design Update</p>	<p>MO./DAY/YR.</p>
<p>City Project No. 66-16-03</p>	<p>Zone Map No. M-16-Z</p>	<p>Sheet 11</p>	<p>Of 17</p>



1. THIS SYSTEM WAS DESIGNED AT A MINIMUM STATIC PRESSURE OF 15 PSI AT THE POINT OF CONNECTION. CONTRACTOR SHALL VERIFY ACTUAL PSI AND DELIVER RESULTS TO LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. IN THE EVENT THE ACTUAL PSI IS LESS THAN 15 PSI THE CONTRACTOR SHALL RECEIVE DIRECTION FROM LANDSCAPE ARCHITECT REGARDING DESIGN MODIFICATIONS IF NECESSARY. THE PRESSURE READING SHALL BE PERFORMED BY THE CONTRACTOR IN THE PRESENCE OF THE LANDSCAPE ARCHITECT AND SHALL BE INCLUDED IN CONTRACTOR'S IRRIGATION EQUIPMENT SUBMITTAL.
2. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF SLEEVE PIPING WITH ALL TRADES TO INSURE THAT SLEEVES ARE INSTALLED PROPERLY PRIOR TO INSTALLATION OF CURB AND GUTTER, ASPHALT PAVING, SIDEWALKS, CONCRETE PADS, ETC.
3. CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO CONSTRUCT PROPOSED IRRIGATION SYSTEM IN ACCORDANCE WITH PLANS, WRITTEN SPECIFICATIONS AND DETAILS.
4. THE CONTRACTOR SHALL PROVIDE TWO (2) 120-VOLT, 20 AMP CIRCUITS TO IRRIGATION CONTROLLER AND BACKFLOW PREVENTER ENCLOSURE (ONE TO EACH). ALL WORK AND MATERIALS SHALL MEET LOCAL CODES AND THE NATIONAL ELECTRIC CODE (N.E.C.). REFERENCE SHEET 8 OF 17.
5. CONTRACTOR SHALL COMPLY WITH COA STD. SPECIFICATION 1001533.3 FOR TRENCHING WITHIN ROOT ZONES OF EXISTING TREES.
6. IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE WATER CONSERVATION LANDSCAPING AND WASTE WATER ORDINANCE THE IRRIGATION SYSTEM SHALL PASS A LANDSCAPE IRRIGATION PRIOR TO SEEDING AND SOODING OF TURF AND FINAL ACCEPTANCE. CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMANCE OF TEST AND SYSTEM ADJUSTMENTS AS REQUIRED.
7. CONTRACTOR SHALL COMPLY WITH COA STD. DWG. 2104 IN THE CONSTRUCTION OF THRUST BLOCKS FOR THIS IRRIGATION SYSTEM.

[illegible]

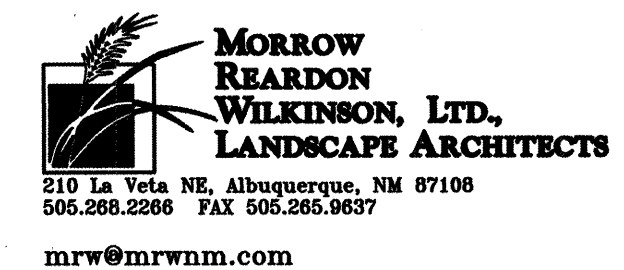
DESIGNED BY: KR	DATE: DECEMBER 2002
DRAWN BY: KR	DATE: DECEMBER 2002
CHECKED BY: GM	DATE: DECEMBER 2002

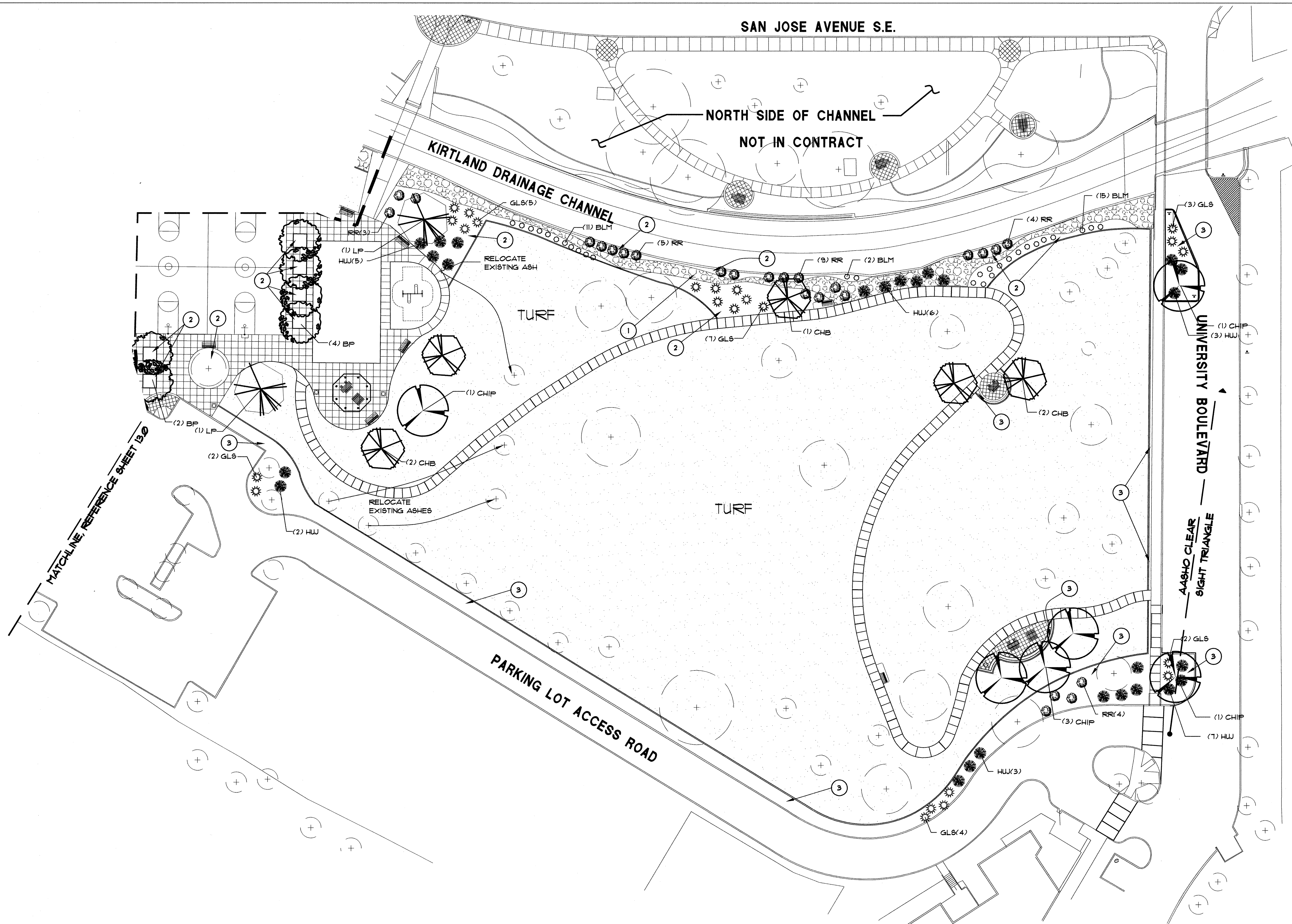
CITY OF ALBUQUERQUE
PARKS AND RECREATION DEPARTMENT

TITLE:	KIRTLAND PARK RENOVATION IRRIGATION PLAN - WEST	DECEMBER, 2002
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Design Review Committee		City Engineer Approval		MO./DAY/YR.		MO./DAY/YR.	
A P P R O V E D	<div style="border: 1px solid black; padding: 5px;">DEC 26 2002</div>	A P P R O V E D	<div style="border: 1px solid black; padding: 5px;">DEC 26 2002</div>				
DESIGN REVIEW COMMITTEE		CITY ENGINEER		Last Design Update			

City Project No. 6540.03	Zone Map No. M-15-Z	Sheet 12	Of 17
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Code Name	Common Name	Scientific Name	Quantity	Planting Size	Notes
TREES					
CHB	Common hackberry	<i>Celtis occidentalis</i>	2	2 1/2"-Cal	
CHIP	Chinese pistache	<i>Pistacia chinensis</i>	10	2 1/2"-Cal	
BP	Bradford pear	<i>Pyrus calleryana</i> 'Bradford'	6	2 1/2"-Cal	
LP	London Plane tree	<i>Platanus acerifolia</i>	2	4"-Cal	
SHRUBS					
BLM	Blue mist spirea	<i>Caryopteris x clandonensis</i>	55	5-Gal	
GLS	Gro-low sumac	<i>Rhus aromatica</i>	30	5-Gal	
HUJ	Hughes juniper	<i>Juniperus horizontalis</i> 'Hughes'	5	5-Gal	Female specimens only
RR	Rubber rabbitbrush	<i>Chrysothamnus nauseosus</i> 'Ro'	48	5-Gal	
TURF					
	Albuquerque Park Blend		APPROX. 150,000 sq.ft.		Seed

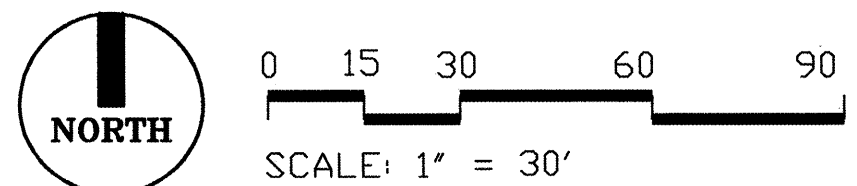
MULCHING KEYED NOTES

- FURNISH AND INSTALL 4" DEPTH OF 8" TO 4" SANTA ANA TAN COBBLE WITH FILTER FABRIC. FILTER FABRIC SHALL BE MIN. 3.5 OZ. NEEDLE-PUNCHED POLYPROPYLENE (DEWITT OR EQUIVALENT). OVERLAP ENDS 3", TURN DOWN EDGES 6". MULCH IS AVAILABLE FROM LAFARGE 342-8280.
- FURNISH AND INSTALL 4" DEPTH 3/4" SANTA ANA TAN ROCK MULCH WITH FILTER FABRIC. FILTER FABRIC SHALL BE 3.5 OZ. NEEDLE PUNCHED POLYPROPYLENE (DEWITT OR EQUAL). OVERLAP ENDS 3", TURN DOWN EDGES 6". MULCH IS AVAILABLE FROM LAFARGE (505) 348-8280.
- FURNISH AND INSTALL 4" DEPTH TAMFICO PINK CRUSHER FINE MULCH WITH FILTER FABRIC. FILTER FABRIC SHALL BE 3.5 OZ. NEEDLE PUNCHED POLYPROPYLENE (DEWITT OR EQUAL). OVERLAP ENDS 3", TURN DOWN EDGES 6". MULCH IS AVAILABLE FROM VULCAN (505) 345-4152.

PLANTING NOTES:

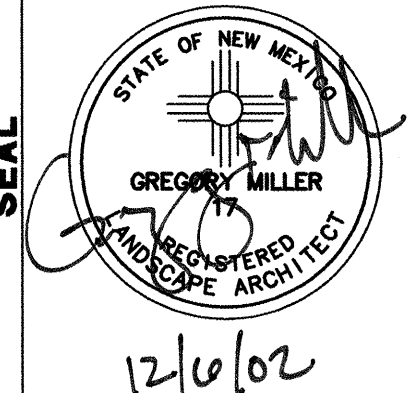
- ALL TREES AND SHRUBS SHALL BE PLANTED PER COA DETAILS 2713 AND 2718.
- ALL TURF DESTROYED OR DISTURBED BY IRRIGATION AND ELECTRICAL CONDUIT TRENCHING, GRADING, CONSTRUCTION OF THE CONCRETE WALK OR PLAZAS SHALL BE OVERSEEDDED AS SPECIFIED IN COA STANDARD SPECIFICATION 10113.

FOR INFORMATION ONLY



MORROW REARDON WILKINSON, LTD.
LANDSCAPE ARCHITECTS
210 La Veta NE, Albuquerque, NM 87106
505.268.2266 FAX 505.265.9657
mrw@mrwnm.com

SURVEY INFORMATION		BENCHMARK		AS BUILT INFORMATION	
NO.	FIELD NOTES	DATE	BY	CONTRACTOR	DATE
				AN A.C.S. 1 3/4" ALUMINUM DISK STAMPED "ACS BM, 3-19"	
				DISK IS SET IN THE NORTH WEST TOP END OF A CONCRETE CULVERT PIPE LOCATED ON THE NORTH SIDE OF WESTBOUND I-40, 0.13 +/- MILES OF THE CENTERLINE OF UNER BLVD. N.W. ELEVATION-5187.56 FEET (M.S.L.D.)	
				WORK STAKED BY	DATE:
				INSPECTOR'S APPROVAL	DATE:
				FIELD VERIFICATION BY	DATE:
				DRAWING CORRECTED BY	DATE:
				MICRO-FILM INFORMATION	
				RECORDED BY	DATE:
				NO.	

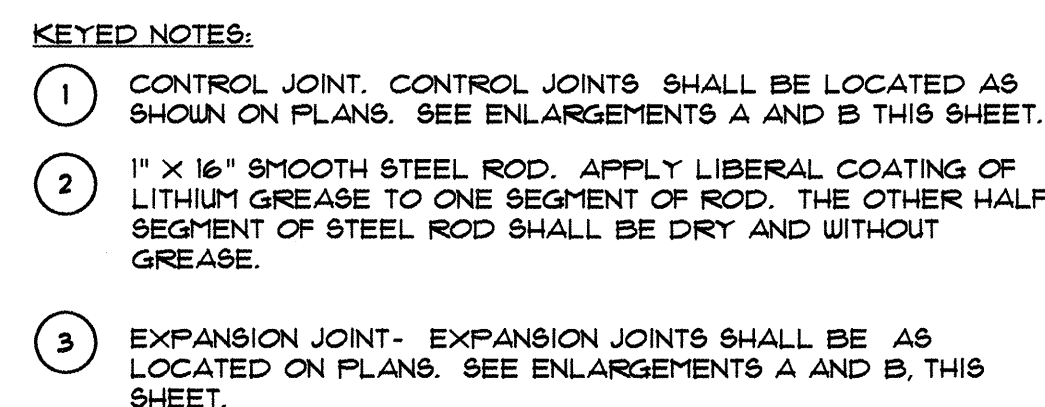


CITY OF ALBUQUERQUE PARKS AND RECREATION DEPARTMENT

TITLE: **KIRTLAND PARK RENOVATION** DECEMBER, 2002
PLANTING PLAN-EAST

Design	Review	Committee	City Engineer Approval	Last Design Update
APPROVED	DEC 2 6 2002		APPROVED	DEC 2 6 2002
DESIGN REVIEW COMMITTEE			CITY ENGINEER	

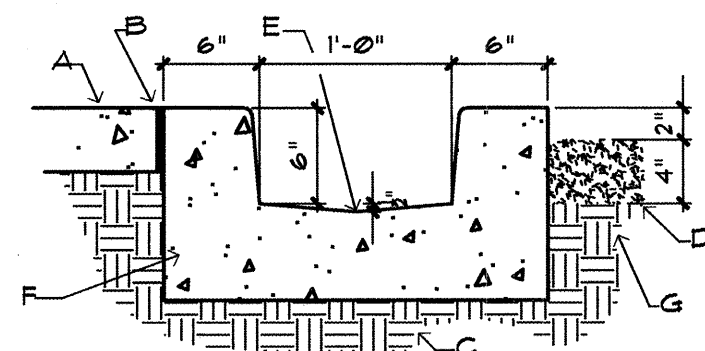
City Project No. **6549.03** Zone Map No. **M-15-Z** Sheet **13** Of **17**



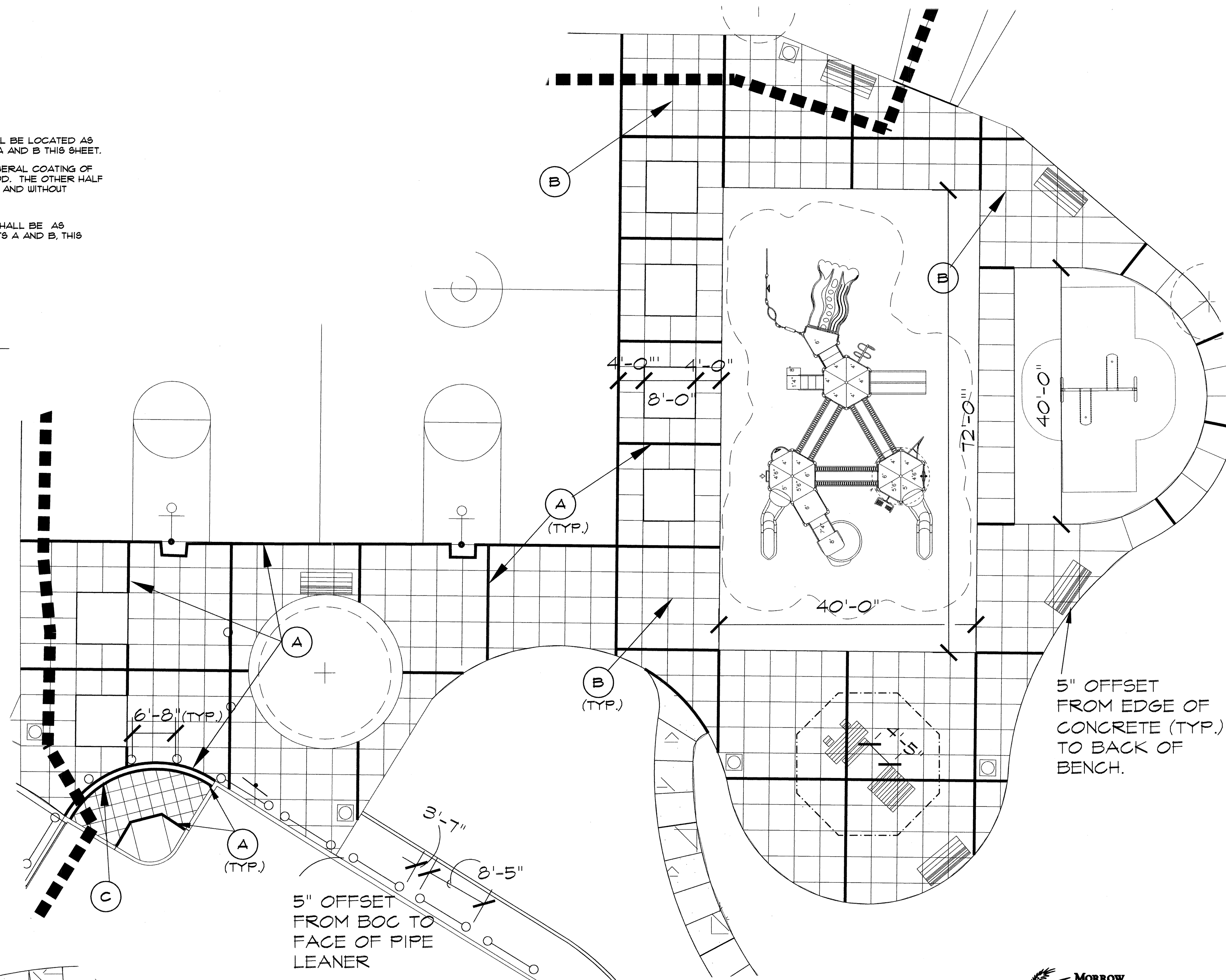
GENERAL NOTES:

1. ALL CONCRETE SHALL BE 4" THICK, 4000 PSI. EXCEPT AT THICKENED EDGE OF PLAY SURFACE. REFERENCE A/5.

1"=1'0"

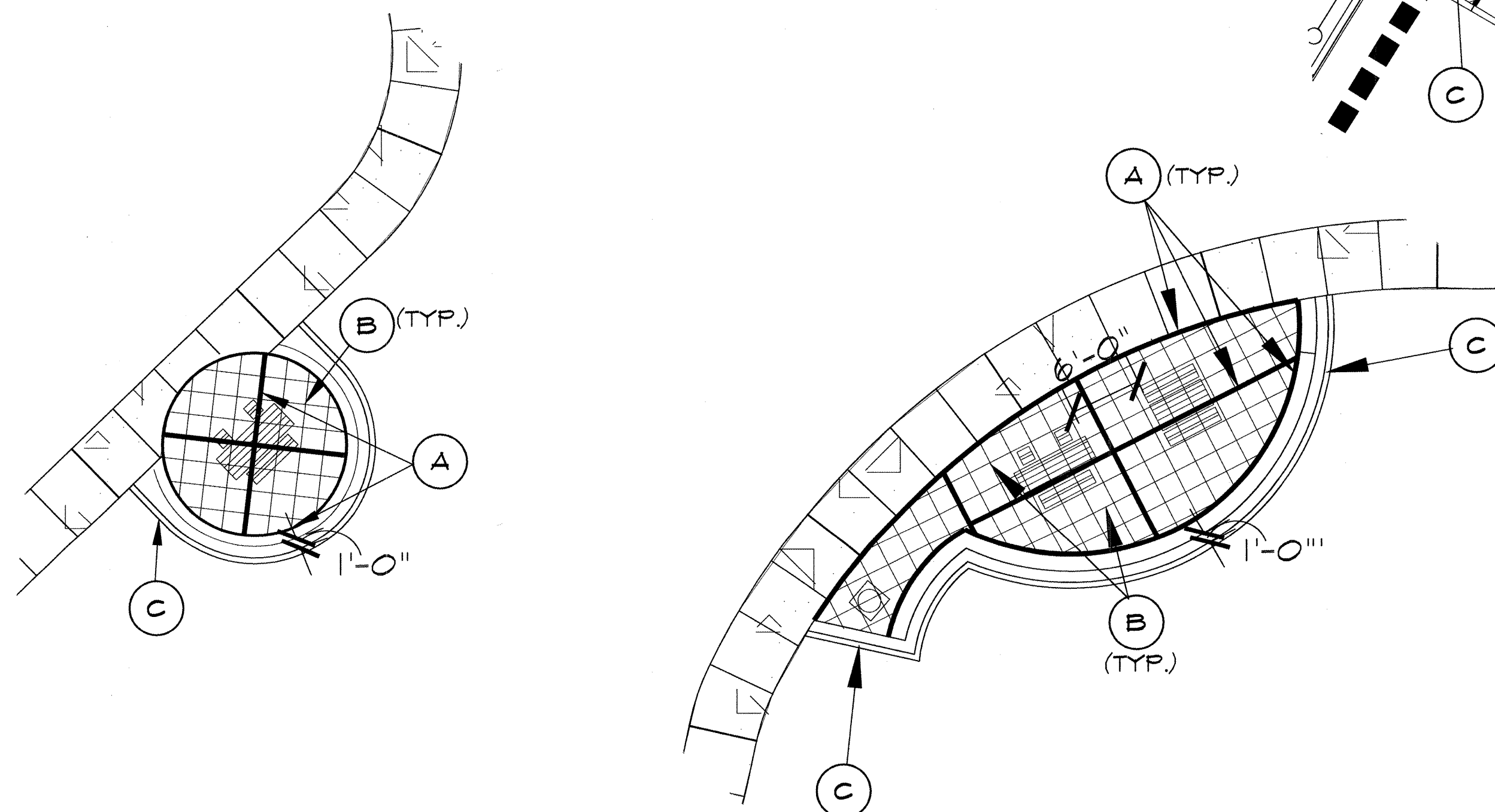


- A. EXISTING SIDEWALK
- B. 1/2" EXPANSION JOINT
- C. SUBGRADE COMPACTED TO 95%
- D. MULCH AS SPECIFIED
- E. FLOWLINE
- F. 4000 PSI CONCRETE
- G. PLANTING MEDIUM PER C.O.A. SPECIFICATION

$$I'' = I' - Q$$


ENLARGEMENT A

CONCRETE PLAZA PLAN



ENLARGEMENT B

CONCRETE PICNIC PLAN

$$\overline{I''} = |\mathcal{Q}' - \mathcal{Q}|$$

CONCRETE PLAZA AND PICNIC PLAN KEYED NOTES

- (A) CONSTRUCT 1/2" WIDE EXPANSION JOINT. SEE KEYED NOTE 1 BELOW.
- (B) CONSTRUCT CONTROL JOINT. SEE GENERAL NOTE #3 BELOW.
- (C) CONSTRUCT 6" CONCRETE MOWSTRIP PER COA STD. DWG. 2726.

GENERAL NOTES

1. CONSTRUCT 1/2" WIDE EXPANSION JOINT. FELT EXPANSION MATERIAL SHALL BE SET WITH "SEALTIGHT SNAP CAP". EXPANSION JOINT CAP OR EQUAL. TOP OF "SNAP-CAP" SHALL BE FLUSH WITH TOP OF CONCRETE. OPPOSING CONCRETE EDGES SHALL HAVE 1/4" RADIUS TOOLED EDGE. AFTER CONCRETE HAS CURED, TOP OF "SNAP-CAP" SHALL BE REMOVED AND DISCARDED. RESULTING CHANNEL SHALL BE FILLED WITH "SONOLASTIC SLI" ON-PART ELASTOMERIC SELF-LEVELING POLYURETHANE SEALANT, OR EQUAL. TOP OF SEALANT SHALL BE FLUSH WITH (OR SLIGHTLY BELOW) TOP OF CONCRETE. FINISHED SEALANT SHALL HAVE SMOOTH, STRAIGHT UNIFORM EDGES AND BE EMBEDDED OVERLAP OF CONCRETE. SEALANT SHALL BE APPLIED PER MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR SHALL PROTECT JOINT FROM DIRT AND TRAFFIC UNTIL SEALANT HAS CURED. SEALANT COLOR SHALL BE GREY.

2. CONCRETE PLAZA FINISH SHALL BE A MEDIUM BROOM FINISH. THE DIRECTION OF THE BROOM FINISH SHALL BE CONSISTENT THROUGHOUT THE PLAZA.
3. CONTROL JOINTS SHALL BE PLACED 4' ON CENTER IN PLAZA AND 20' ON CENTER BOTH WAYS AS DIMENSIONED. CONTROL JOINTS SHALL BE 1/4" WIDE AND 1" DEEP.
4. THE CONCRETE PLAZA AND PICNIC AREAS SHALL SLOPE AT THE RATE ESTABLISHED BY THE GRADING PLAN. REFERENCE SHEET 6 OF 17.



FOR INFORMATION ONLY

[illegible]

**CITY OF ALBUQUERQUE
PARKS AND RECREATION DEPARTMENT**

TITLE:	KIRTLAND PARK RENOVATION	DECEMBER, 2002
	CONSTRUCTION DETAILS AND ENLARGEMENTS	

Design Review Committee		City Engineer Approval		MO./DAY/YR.		MO./DAY/YR.	
APPROVED	DEC 2 5 2002	APPROVED	DEC 2 6 2002				
DESIGN REVIEW COMMITTEE		CITY ENGINEER					

City Project No. 6549.01	Zone Map No. M-15-Z	Sheet 15	Of 17
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CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

- 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.
- 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.
- 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.
- CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- ALL WORK IN ARTERIAL ROADWAYS SHALL BE ON A CONTINUOUS 24 HOUR PER DAY BASIS UNTIL COMPLETED.
- 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.
- 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.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.
- CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.
- 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.
- 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.
- 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.
- ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

- 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.
- 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.

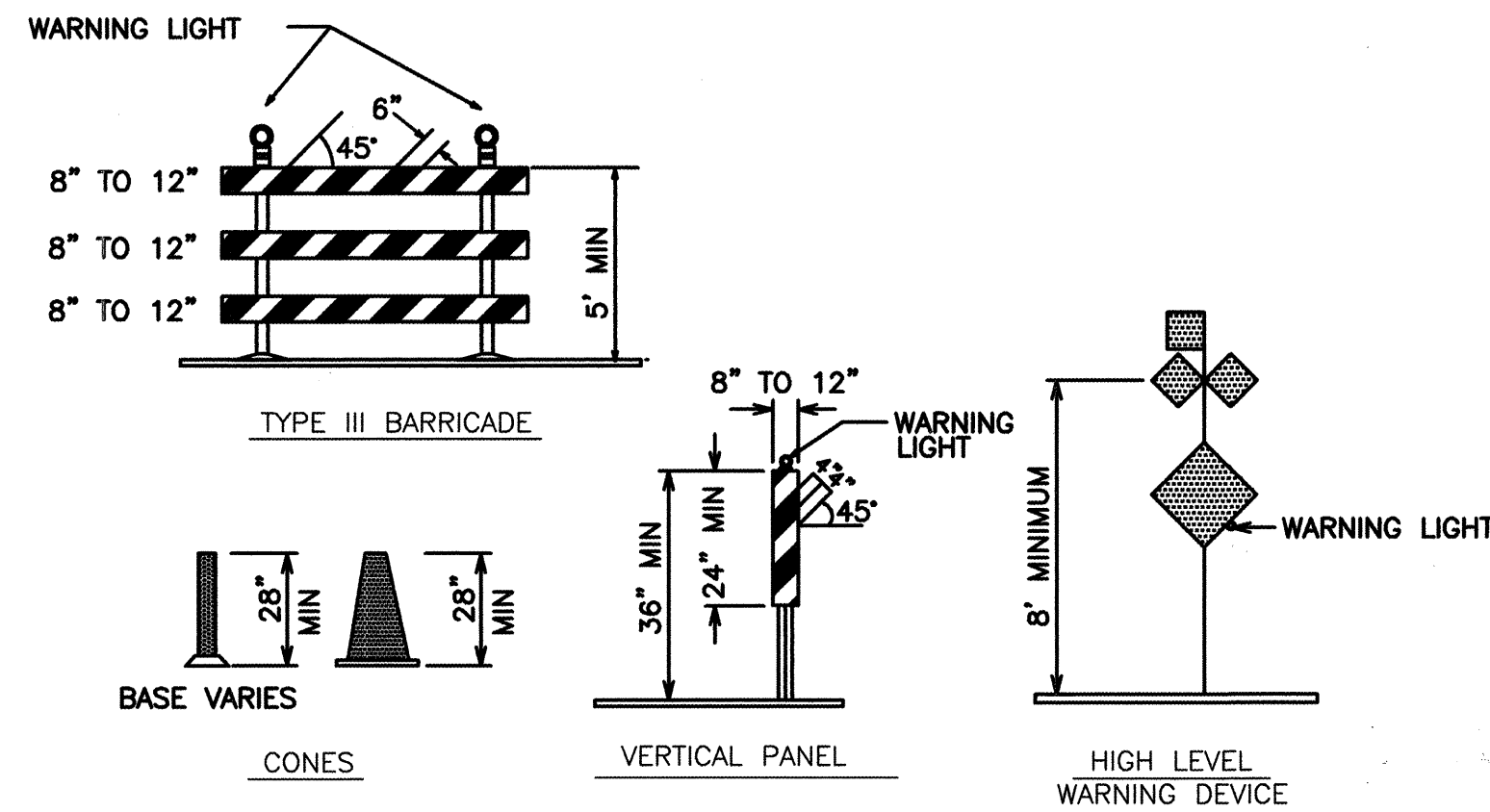
23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

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

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

26. ADVANCE WARNING SIGNS SHALL BE 36"x36" MIN. WITH SUPER ENGINEERING GRADE SHEETING OR BETTER. MOUNTING HEIGHT AT TOP OF SIGN SHALL BE THE SAME AS FOR A 48" SIGN AS INDICATED IN THE M.U.T.C.D.

27. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORKSITE. ALL GRAFFITI SHALL BE PROMPTLY REMOVED FROM ALL EQUIPMENT, BOTH PERMANENT AND TEMPORARY.



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

TAPER REQUIREMENT

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

RECOMMENDED SIGN SPACING(D) FOR ADVANCE WARNING SIGN SERIES

SPEED LIMIT (MPH)	MINIMUM DISTANCE IN FEET BETWEEN SIGNS	FROM LAST SIGN TO TAPER
0-20	10 X SPEED LIMIT	10 X SPEED LIMIT
25-30	10 X SPEED LIMIT	10 X SPEED LIMIT
30-35	10 X SPEED LIMIT	10 X SPEED LIMIT
40-45	10 X SPEED LIMIT	10 X SPEED LIMIT
50-60	10 X SPEED LIMIT	10 X SPEED LIMIT

TAPER CRITERIA

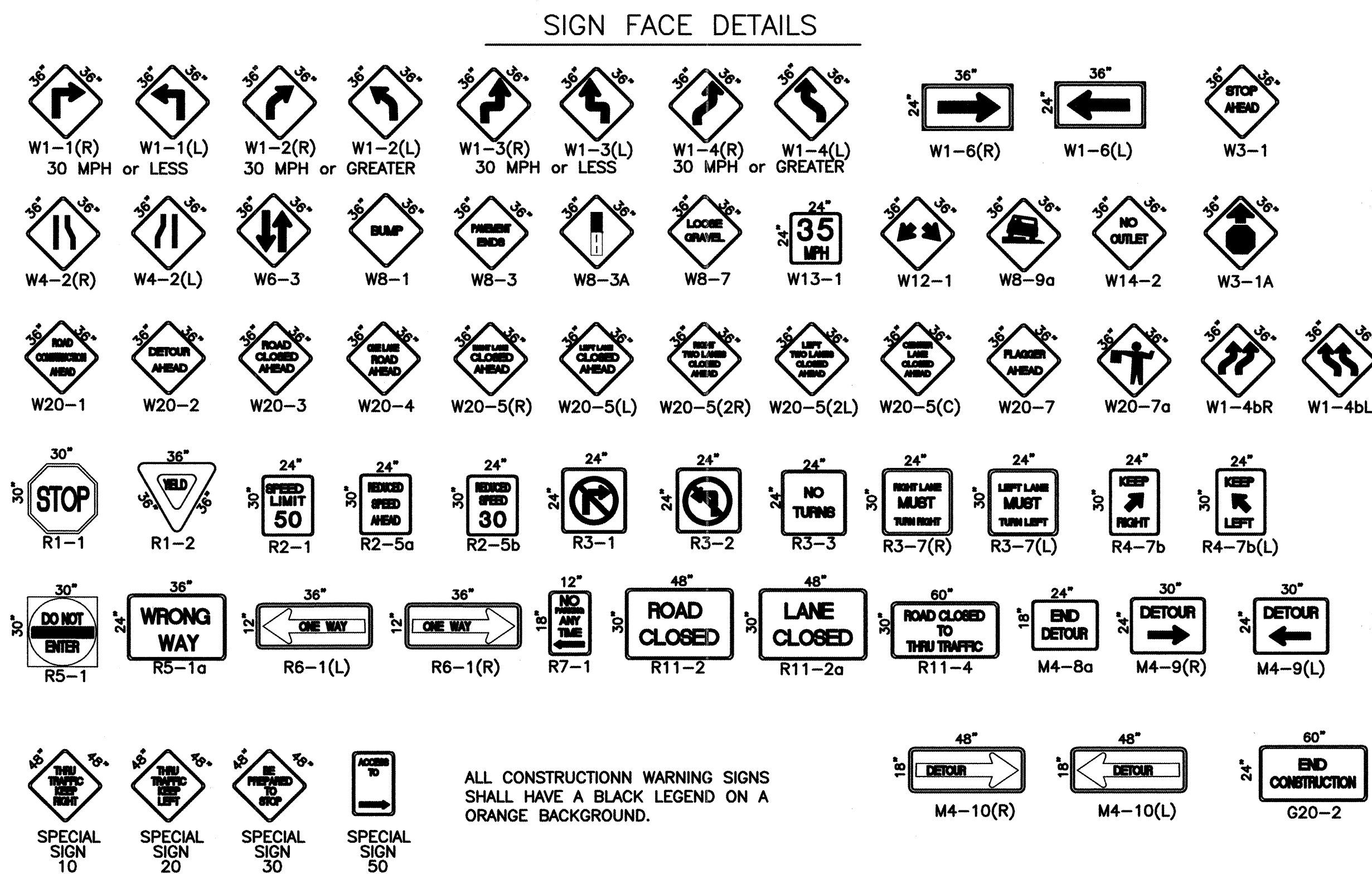
TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSIDE TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

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

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

FOR INFORMATION ONLY



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

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	STD		
CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
6549.03	M-15	17	17