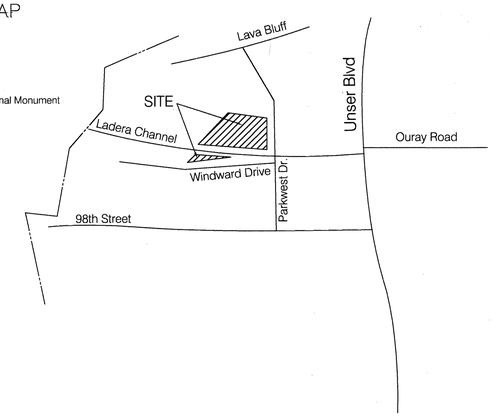
ALBUQUERQUE
SEAL
NEW MEXICO
1706

CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
LANDSCAPE ARCHITECTURE AND CONSTRUCTION SERVICES

PARKWEST PARK IMPROVEMENTS

2401 PARKWEST DRIVE NW 2.59 ACRES

VICINITY MAP



NOT TO SCALE
MAP NO. H-9

INDEX TO DRAWINGS

FOR INFORMATION ONLY

APPROVED	ENGINEER	DATE
AMAFCA		June 30, 1999

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REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE

ENGINEERS STAMP & SIGNATURE

STATE OF NEW MEXICO
SUZANNE J. MORTIER
21
REGISTERED LANDSCAPE ARCHITECT
7/6/99

APPROVED	ENGINEER	DATE
DRC Chairman	Billy G. Goolsby	7-22-99
Transportation		7-20-99
Water/Wastewater	R.W. Kane	7-20-99
Hydrology		7/20/99
PARKS	Callen K. Jones	7-12-99
Constr. Mngmt.		
Constr. Coord.		

APPROVED FOR CONSTRUCTION

CITY ENGINEER DATE 7/20/99

PROJECT NUMBER 573592

SHEET 1 OF 16

1 FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR WILL SUBMIT A DETAILED CONSTRUCTION SCHEDULE TO THE CITY CONSTRUCTION COORDINATION DIVISION. TWO (2) DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR WILL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF SPECIFICATIONS.

2 THE CONTRACTOR WILL NOTIFY THE FIELD ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK, IN ORDER THAT THE FIELD ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. THE CONTRACTOR WILL NOTIFY THE ENGINEER IF A MONUMENT IS DISTURBED. REPLACEMENT WILL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR WILL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4 OF SPECIFICATIONS.

3 THE SPECIFICATIONS USED FOR THIS PROJECT ARE THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1994 EDITION, UPDATE NO.6.

4 ALL NEW MANHOLES SHALL BE TYPE "E" (COA DWG. 2102) UNLESS OTHERWISE NOTED ON THE PLANS.

5 THE CONTRACTOR WILL BE RESPONSIBLE FOR DISPOSING OF ALL DEBRIS, INCLUDING, BUT NOT LIMITED TO HAZARDOUS WASTE AT DISPOSAL SITES APPROVED BY GOVERNMENTAL AGENCIES REGULATING THE DISPOSAL OF SUCH MATERIALS.

6 ALL WATER VALVE BOXES AND MANHOLES IN THE STREET CONSTRUCTION ARE TO BE ADJUSTED TO FINISH GRADE AND WILL BE MEASURED AND PAID PER EACH.

7 SUBGRADE PREPARATION UNDER SIDEWALKS AND DRIVE PADS, AND SUBGRADE AND SUBBASE PREPARATION UNDER CURB AND GUTTER IS CONSIDERED INCIDENTAL TO THE CONSTRUCTION OF SUCH, AND NO DIRECT PAYMENT SHALL BE MADE FOR THOSE ITEMS OF WORK.

8 THE WATER SYSTEMS DIVISION (857-8200) WILL BE NOTIFIED BY THE CONTRACTOR FIVE (5) WORKING DAYS IN ADVANCE OF ANY WORK WHICH MAY AFFECT THE EXISTING PUBLIC WATER FACILITIES. REFER TO SECTION 18 OF SPECIFICATIONS.

9 ALL EXCAVATION WILL BE GOVERNED BY FEDERAL, STATE AND LOCAL LAWS, RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.

10 ALL SIGNS AND CODING WILL BE IN ACCORDANCE WITH THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" CURRENT EDITION PUBLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION.

11 THE CONTRACTOR IS TO EXERCISE CARE TO AVOID DISTURBING ANY EXISTING UNDERGROUND UTILITIES. IT WILL BE HIS RESPONSIBILITY TO COORDINATE WITH THE UTILITY COMPANIES IN ORDER TO PREVENT ANY SERVICE DISRUPTION. SEE SECTION 18 "UTILITIES", CITY OF ALBUQUERQUE, STANDARD SPECIFICATIONS FOR CONTRACTOR REQUIREMENTS.

12 WHEN ABUTTING NEW PAVEMENT TO EXISTING INTERSECTING STREETS, SAW CUT EXISTING PAVEMENT TO A STRAIGHT LINE AND AT RIGHT ANGLES AND REMOVE ANY BROKEN OR CRACKED PAVEMENT. NO DIRECT PAYMENT WILL BE MADE FOR SAW CUTTING.

13 ALL GAS VALVES, GAS MANHOLES, ELECTRICAL MANHOLES, TELEPHONE MANHOLES, AND UTILITY POLES WILL BE ADJUSTED TO GRADE BY EACH UTILITY COMPANY. CONTRACTOR WILL COORDINATE THROUGH CITY UTILITY COORDINATOR.

14 WHEN REMOVAL OF EXISTING CURB AND GUTTER OR SIDEWALK IS REQUIRED, REMOVE BACK TO NEAREST SUITABLE JOINT UNLESS OTHERWISE DIRECTED BY THE CITY FIELD ENGINEER.

15 THE CONTRACTOR WILL NOTIFY THE UTILITY COMPANIES BY CALLING NEW MEXICO ONE CALL SYSTEM 260-1990 TWO (2) WORKING DAYS PRIOR TO COMMENCING WORK IN NEW AREAS.

16 CONTRACTOR WILL MAKE ALL WATER VALVES AND MANHOLES ACCESSIBLE TO THE CITY AT ALL TIMES.

17 CONTRACTOR WILL PLACE BITUMINOUS MATERIAL WITH THE USE OF A LAYDOWN MACHINE WHERE PAVEMENT IS 8 FEET IN WIDTH OR WIDER.

18 ALL SUBGRADE AND SUBBASE MATERIAL ENCOUNTERED IN PAVEMENT REMOVAL AND REPLACEMENT THAT IS DETERMINED BY THE FIELD ENGINEER TO MEET THE SPECIFICATIONS, CAN BE REUSED. HOWEVER, THE MATERIAL WILL BE PROCESSED AND COMPACTED TO MEET MOISTURE CONTENT AND PERCENT COMPACTION REQUIRED BY THE SPECIFICATIONS.

19 CONTRACTOR WILL NOT PAVE OVER ANY SURFACE FEATURE, I.E., GAS VALVE, MANHOLE COVER, ETC. WITHOUT PRIOR APPROVAL FROM THE CITY FIELD ENGINEER.

20 CONTRACTOR WILL CONFINE HIS WORK WITHIN THE CONSTRUCTION EASEMENT LIMITS AND/OR RIGHT-OF-WAY, OR PROVIDE COPIES OF AGREEMENTS WITH ADJACENT LANDOWNERS TO THE CITY OF ALBUQUERQUE.

21 ALL WATER VALVES AND FIRE HYDRANTS REMOVED TO BE SALVAGED AND RETURNED TO THE C.O.A.

22 MINIMUM BOTTOM WIDTH OF TRENCHES FOR RIGID PIPE SHALL BE EQUAL TO THE OUTSIDE DIAMETER PLUS 16 INCHES. BEDDING MATERIAL SHALL BE CLASS II, III, OR IV UNLESS OTHERWISE SPECIFICALLY NOTED ON THE PLANS.

23 MINIMUM BOTTOM WIDTH OF TRENCHES FOR NON-RIGID PIPE SHALL BE EQUAL TO THE OUTSIDE DIAMETER PLUS 12 INCHES. BEDDING MATERIAL SHALL BE CLASS I, II, OR III.

24 THE CONTRACTOR AGREES TO TAKE NECESSARY SAFETY PRECAUTIONS AS REQUIRED BY FEDERAL, STATE AND LOCAL AUTHORITIES TO PROTECT PEDESTRIAN AND VEHICULAR TRAFFIC IN THE CONSTRUCTION AREA, WHICH INCLUDE BUT ARE NOT LIMITED TO: MAINTAINING ADEQUATE WARNING SIGNS, BARRICADES, LIGHTS, GUARD FENCES, WALKS AND BRIDGES.

25 ALL STRUCTURAL CONCRETE TO BE 4000 PSI UNLESS OTHERWISE NOTED ON PLANS.

26 ALL REINFORCING STEEL TO BE GRADE 60.

27 ALL EXPOSED EDGES ON CAST-IN-PLACE CONCRETE STRUCTURES WILL HAVE A 1" CHAMFER UNLESS OTHERWISE NOTED.

28 ALL SPLICES IN REINFORCING STEEL TO BE 2-FOOT 6-INCH MINIMUM UNLESS OTHERWISE NOTED.

29 PRIOR TO CONSTRUCTION, THE CONTRACTOR WILL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL CONFLICTING UTILITIES. SHOULD A CONFLICT EXIST BETWEEN THE FIELD INFORMATION AND THE PLANS, THE CONTRACTOR WILL NOTIFY THE CITY FIELD ENGINEER SO THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY.

30 THE REPLACEMENT OF THE EXISTING UTILITIES AND THE INSTALLATION OF NEW UTILITY LINES WILL BE COMPLETED IN ADVANCE OF STARTING THE PAVEMENT WORK. TEMPORARY PAVEMENT WILL BE PLACED IN ALL TRENCHES REQUIRED FOR THE UTILITY REPLACEMENTS IN THOSE AREAS THAT MUST MAINTAIN TRAFFIC UNTIL THE FINAL PAVEMENT WORK STARTS IN EACH AREA. TEMPORARY STRIPING SHALL BE THE CONTRACTOR'S RESPONSIBILITY. MAINTENANCE OF THE TEMPORARY PAVING AND STRIPING WILL BE AT THE CONTRACTOR'S EXPENSE.

31 TACK COAT FOR SURFACE COURSE REQUIREMENTS WILL BE DETERMINED BY THE CITY FIELD ENGINEER.

32 THE CONTRACTOR WILL CONTACT THE CITY OF ALBUQUERQUE TRAFFIC DIVISION 764-1599, ONE (1) WEEK IN ADVANCE OF ANY CHANGES REQUIRED IN THE TRAFFIC SIGNALIZATION OF THIS PROJECT. ALL WORK ASSOCIATED WITH NEW TRAFFIC SIGNALIZATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

33 ALL NEW STREET PAVING, DRIVEWAYS, SIDEWALKS, AND CURB AND GUTTERS, ABUTTING EXISTING AREAS SHALL MATCH THE ELEVATION OF THOSE AREAS.

34 PERMANENT PAVEMENT STRIPING AND MARKINGS WILL BE PLACED BY THE CONTRACTOR. ROAD SHALL NOT BE OPENED TO TRAFFIC UNTIL IT IS STRIPED. ALL STRIPING, PAVEMENT MARKINGS INCLUDING CROSSWALKS, ARROWS AND LINE MARKINGS ARE TO BE CONSTRUCTED OF HOT PLASTIC OR COLD PLASTIC IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

35 ALL EXCAVATED MATERIAL THAT IS NOT REQUIRED TO BE REUSED MUST BE REMOVED FROM THE PROJECT AREA WITHIN FOUR DAYS OF EXCAVATION. SPOIL PILES WILL BE ALLOWED ONLY AS DIRECTED BY THE CITY FIELD ENGINEER.

36 THE CONTRACTOR WILL COORDINATE THE CONSTRUCTION ACTIVITIES WITH ALL OTHER CONTRACTORS AND UTILITY COMPANIES WORKING IN THE SAME AREA. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE THEIR ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCE CAUSED BY UTILITY COMPANY WORK CREWS. A CONTRACT EXTENSION MAY BE ALLOWED AS DELINEATED IN CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS.

37 ALL CONSTRUCTION EASEMENTS ON PRIVATE PROPERTY WILL BE OBTAINED BY THE CONTRACTOR PRIOR TO THE BEGINNING OF CONSTRUCTION.

38 EXISTING MEDIAN CURB AND GUTTER AND STANDARD CURB AND GUTTER, NOT DISTURBED BY CONTRACTOR, BUT OUT OF ALIGNMENT, DISPLACED VERTICALLY, BADLY BROKEN AND/OR DETERIORATED, WILL BE REPLACED AS DIRECTED BY THE CITY FIELD ENGINEER AND PAID FOR AT CONTRACT UNIT PRICES.

39 ALL TRAFFIC CONTROL DEVICES REQUIRED FOR DRIVEWAY CLOSURES, UTILITY CONSTRUCTION OR FOR OTHER REASONS AND NOT SHOWN ON THE SIGNING PLANS WILL BE FURNISHED BY THE CONTRACTOR AND WILL BE PAID AS SPECIFIED IN THE TECHNICAL SPECIFICATIONS AND BID PROPOSAL. PRIOR TO PLACING THE TRAFFIC CONTROL DEVICES, THE CONTRACTOR WILL NOTIFY THE AFFECTED OWNERS IN ACCORDANCE WITH THE SPECIFICATIONS. CONTRACTOR MUST MAKE PROVISIONS TO PROVIDE ACCESS TO PROPERTIES. REFER TO SECTION 19 OF THE SPECIFICATIONS.

40 ALL UTILITY LINES WHICH ARE NOT SPECIFICALLY DESIGNATED TO BE REMOVED AND REPLACED ON THE PLANS, WILL BE MAINTAINED IN SERVICE. SHORING, SHEETING AND OTHER MEANS OF SUPPORT SHALL BE EMPLOYED BY THE CONTRACTOR TO PREVENT DAMAGE OR LOSS OF THESE EXISTING UTILITIES. BEAM AND CABLE OR OTHER ADEQUATE SUPPORTS WILL BE USED FOR TEMPORARY SUPPORT OF ALL UTILITY LINES WHICH CROSS THE TRENCH. ANY DAMAGE TO EXISTING UTILITIES WILL PROMPTLY BE REPAIRED AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR WILL NOTIFY THE ENGINEER IMMEDIATELY OF ANY SIGNIFICANT DEVIATION OF EXPOSED UTILITIES FROM THE LOCATIONS SHOWN ON THE PLANS SO THAT CONFLICTS CAN BE RESOLVED IN A TIMELY MANNER.

41 THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING COA INFRASTRUCTURE (C & G, PAVING, ETC.) DURING CONSTRUCTION, APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS, AND WILL REPAIR OR REPLACE SAME AT HIS OWN EXPENSE. HE WILL SUITABLY PROTECT THE CURB AND GUTTER FROM INCIDENTAL SPLASHING DURING THE TACK COAT APPLICATION AND WILL BE RESPONSIBLE FOR CLEANING SAME AT HIS OWN COST SHOULD SPLASHING OCCUR.

42 ALL INTERFERING PORTIONS OF ABANDONED UTILITY LINES WHICH ARE EXPOSED AS A RESULT OF CONSTRUCTION WILL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.

43 STATIONS OF STORM DRAIN INLETS ARE TO THE CENTER OF GRATE. ALL STORM DRAIN INLETS WILL BE TYPE "A" UNLESS OTHERWISE NOTED ON THE PLANS.

44 SHORING COSTS WILL BE CONSIDERED INCIDENTAL TO THE TRENCH AND BACKFILL COSTS.

45 THE CONTRACTOR WILL BE RESPONSIBLE FOR SECURING NPDES PERMITS REQUIRED BY APPLICABLE CITY, STATE, AND FEDERAL REGULATIONS.

46 ALL STORM DRAIN AND CONNECTOR PIPE WILL BE CLASS IV REINFORCED CONCRETE PIPE UNLESS OTHERWISE NOTED ON THE PLANS.

47 THE TERM REMOVE USED IN THIS PLAN SET INCLUDES THE DISPOSAL OF SAID MATERIAL IN ACCORDANCE WITH CITY OF ALBUQUERQUE SPECIFICATIONS, LATEST EDITION.

48 CONTRACTOR WILL SURVEY AND LOG EXISTING ELEVATIONS OF CURB-AND-GUTTER, SIDEWALK, AND PAVEMENT WHICH WILL BE REMOVED FOR CONSTRUCTION OF IMPROVEMENTS. CONTRACTOR WILL REPLACE REMOVED CURB-AND-GUTTER, SIDEWALK, DRIVE PADS, AND PAVEMENT TO ELEVATIONS PRIOR TO REMOVAL UNLESS OTHERWISE INDICATED ON THE PLANS.

49 CONTRACTOR WILL CONSTRUCT TEMPORARY ASPHALT PAVEMENT AS DIRECTED BY THE COA ENGINEER TO PROVIDE ACCESS TO LOCAL BUSINESS, ETC. TEMPORARY PAVEMENT SHALL BE REMOVED AND DISPOSED OF PRIOR TO PLACEMENT OF FULL WIDTH PAVEMENT SECTION. TEMPORARY PAVING SHALL BE PER COA STD. DWG. 2415 AND PAID FOR PER COA STD. SPECIFICATIONS.

50 ALL CLASSES OF SEEDING SHALL BE DRY LAND MIX PLACED AT 1.5 LBS/1000 S.F. WITH FERTILIZER 21-12-12 PLACED AT 5 LBS/1000 S.F.

51 PRE-WETTING OF THE EMBANKMENT FOUNDATION AND KEY TRENCH SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION OF THE EMBANKMENT. NO ADDITIONAL PAYMENT WILL BE MADE FOR THIS WORK.

52 ALL ASPHALTIC CONCRETE SHALL BE MINIMUM 1800 LB. STABILITY AND COMPACTED TO 95% MODIFIED MARSHALL DENSITY UNLESS OTHERWISE NOTED ON THE PLANS.

53 ALL RIP-RAP MATERIAL USED ON THIS PROJECT SHALL BE A NATURAL ROCK MATERIAL CONFORMING TO THE SIZE AND MATERIAL PROPERTY REQUIREMENTS SET FORTH IN THE COA STANDARD SPECIFICATIONS. NO BROKEN CONCRETE OR RUBBLE WILL BE ACCEPTED.

FOR INFORMATION ONLY

LEGEND:

- EXISTING CHAIN LINK FENCE
- EXISTING OVERHEAD ELECTRIC
- EXISTING SAS MANHOLE
- NEW TEE MANHOLE
- BORING
- NEW PAVEMENT
- EXISTING CONTOUR LINE
- 5460 EXISTING INDEX CONTOUR LINE
- NEW STORM DRAIN
- CENTERLINE
- NEW CONCRETE SIDEWALK (4" THICK) AND CURB LINES
- NEW CONCRETE SIDEWALKS AND CURB LINES 6" THICK TO ACCOMODATE COA SERVICE VEHICLES INTO PARKS
- HORIZONTAL AND VERTICAL CONTROL POINT
- EXISTING UNDERGROUND TELEPHONE
- EXISTING SAS FLOW ARROW
- STORM DRAIN FLOW ARROW
- ESMNT EASEMENT LINE
- RIPRAP PROTECTION
- NEW STORM DRAIN BEND
- NEW STORM DRAIN WYE
- 3:1 SLOPE INDICATOR
- 84.3 EXISTING SPOT ELEVATION
- 84.33 NEW SPOT ELEVATION
- R/W RIGHT OF WAY
- PROPERTY LINE
- 5400 NEW INDEX CONTOUR LINE
- NEW CONTOUR LINE
- PROPOSED DRAINAGE BASIN BORDER
- DRAINAGE FLOW DIRECTION ARROW

AS BUILT INFORMATION

CONTRACTOR	
WORK STAKED BY	DATE
INSPECTOR'S ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

BENCH MARKS

TEMPORARY BENCHMARK: SAS MH NO. 4 LOCATED AT THE INTERSECTION OF WINDWARD DRIVE AND PARK WEST DRIVE
RIM ELEVATION = 5221.73

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEERS SEAL

RICHARD J. DEVINE, STATE OF NEW MEXICO, 13282, REGISTERED PROFESSIONAL ENGINEER

REVISIONS

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	RJD	DATE	JULY, 1999
DRAWN BY	SEC	DATE	JULY, 1999
CHECKED BY	PJC	DATE	JULY, 1999

198635
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CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
LANDSCAPE ARCHITITECTURE AND CONSRUCTION SERVICES

TITLE: PARKWEST PARK IMPROVEMENTS

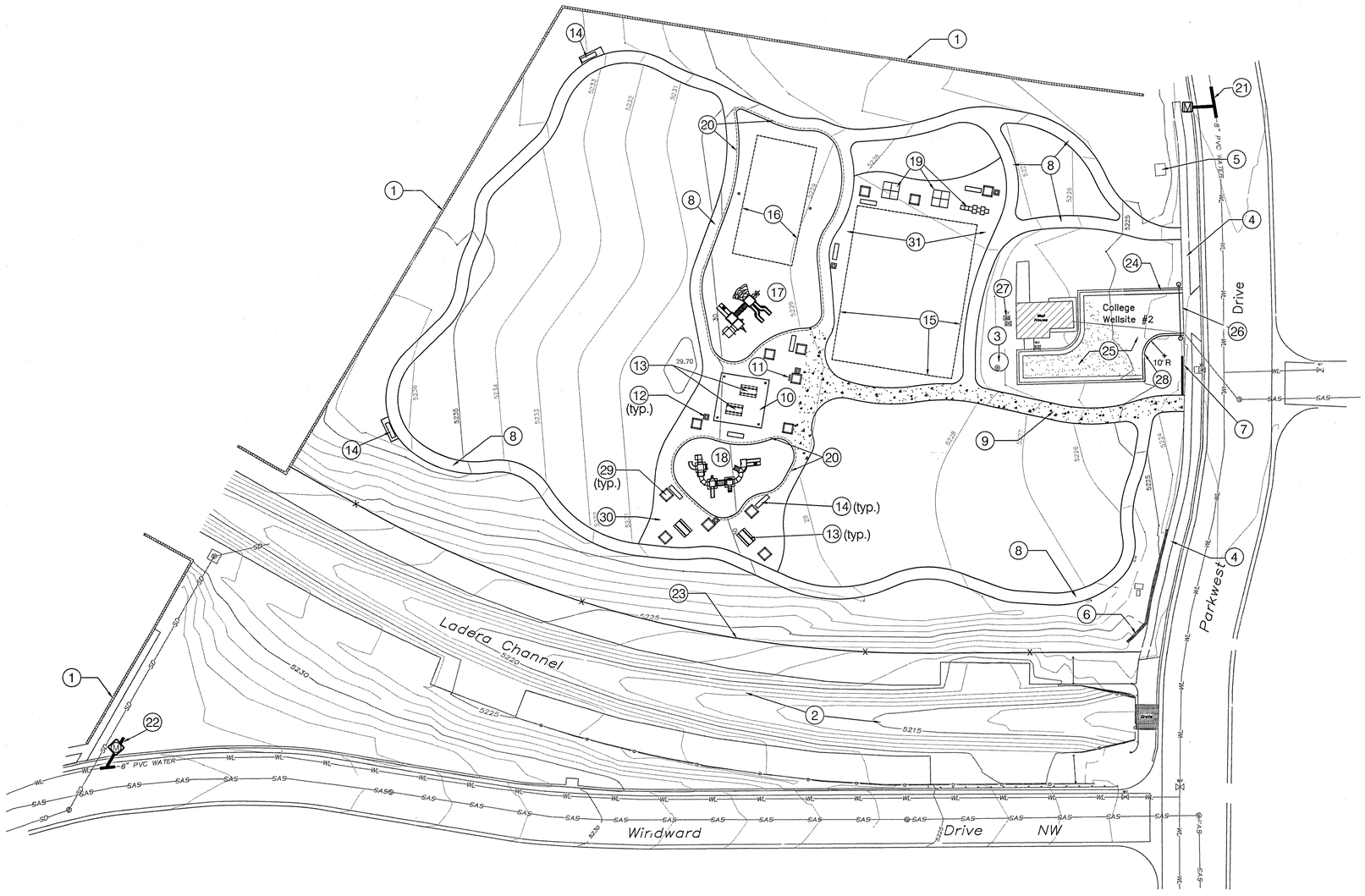
GENERAL NOTES AND LEGEND

Design Review Committee: APPROVED JUL 22 1999 DESIGN REVIEW COMMITTEE

City Engineer Approval: APPROVED JUL 26 1999 CITY ENGINEER

Last Design Update — Mo. / Day / Yr. — Mo. / Day / Yr.

City Project No. 573592 | Zone Map No. H-9-Z | Sheet 2 Of 16



KEYED NOTES

1. Existing masonry wall.
2. Existing concrete channel.
3. Existing concrete meter pit (to be removed by others).
4. Existing 4' wide concrete sidewalk.
5. Existing electrical transformer.
6. Existing railroad tie retaining wall - to remain.
7. Remove existing concrete wall and regrade - see Grading and Drainage Plan, sheet 6.
8. 6' wide concrete sidewalk - see detail 3/11.
9. 8' wide thickened concrete sidewalk - see detail 3/11.
10. Picnic ramada - see Site Amenities Legend, sheet 11.
11. Bicycle rack - see detail 5/10.
12. Litter receptacle - see detail Site Amenities Legend, sheet 11.
13. Picnic table - see detail 4/10.
14. 8' bench with back - see detail 3/10 and Site Amenities Legend, sheet 11.
15. 3/4 concrete basketball court (No Davis Color) - see laycut and details on sheet 8.
16. Sand volleyball court - see layout and details on sheet 8 and Horizontal Layout Plan, sheet 7.
17. Sand play area, ages 5-12 - see layout and details on sheet 9.
18. Sand play area, ages 2-5 - see layout and details on sheet 9.
19. Hopscotch and 4 square - see detail 3/9.
20. 18" concrete turndown - see COA detail 2728.
21. 1 1/2" PVC water tap and meter box.
22. 3/4" PVC water tap and meter box.
23. Chain link fence, constructed per COA standard detail 2252, 4' ht., w/ black PVC coating. Coating shall be a minimum of 15 mils on woven wire and 10 mils on Framework and Fittings.
24. Extend existing mountable, roll-type curb to sidewalk - see COA detail 2415.
25. Remove existing asphalt. Install 2" crusher fines in driveway area.
26. Install (2) 12' pipe gates across driveway - see COA detail 2251.
27. Remove existing concrete collars at valves and re-pour (2) 18" X 18" X 4" depth 4,000 psi collars.
28. Install concrete mowstrip - see COA detail 2726.
29. Tree planter - see detail 1/11 and Horizontal Layout Plan, sheet 7 for locations.
30. 4", 4,000 psi concrete slab on compacted subgrade - see detail 2/10 for scoring pattern.
31. 4", 4,000 psi concrete slab on compacted subgrade, (No Davis Color) - see detail 2/10 for scoring pattern.

NOTE: All exposed concrete shall be installed with Davis Color: Omaha Tan, #5084, 1 lb. type mix or approved equal, throughout the project unless otherwise noted. Medium broom finish with 4" trowelled edge, throughout project unless otherwise noted. All concrete shall have a cross slope of 1% - 2% for positive drainage.

FOR INFORMATION ONLY

15 0 30 60 north

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

BENCH MARKS

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY | DATE
INSPECTIONS | DATE
ACCEPTANCE BY | DATE
FIELD VERIFICATION BY | DATE
DRAWINGS CORRECTED BY | DATE
MICRO-FILM INFORMATION
RECORDED BY | DATE
NO.

ENGINEERS SEAL

NO.	DATE	BY	REMARKS

REVISIONS

DESIGN
DESIGNED BY SM DATE 6/09
DRAWN BY BV DATE 6/09
CHECKED BY SM DATE 6/09

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CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
LANDSCAPE ARCHITECTURE & CONSTRUCTION SERVICES

TITLE: PARKWEST PARK IMPROVEMENTS
SITE PLAN

Design Review Committee: APPROVED JUL 22 2009 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED JUL 22 2009 CITY ENGINEER
Last Design Update | No. / Day / Yr. | No. / Day / Yr.

City Project No. 573592 | Zone Map No. H-9 | Sheet 3 of 16

LEGEND:

- EXISTING CHAIN LINK FENCE
- EXISTING WOOD FENCE
- EXISTING RAWD IRON FENCE
- EX OHE — EXISTING OVERHEAD ELECTRIC
- EXISTING SAS MANHOLE
- NEW STORM DRAIN
- EXISTING STORM DRAIN
- NEW STORM DRAIN MANHOLE
- EXISTING STORM DRAIN MANHOLE
- EXISTING CONCRETE SIDEWALKS AND CURB LINES
- NEW CONCRETE SIDEWALKS AND CURB LINES
- HORIZONTAL AND VERTICAL CONTROL POINT
- NEW STORM DRAIN FLOW ARROW
- 84.33 — NEW SPOT ELEVATION
- 5400 — NEW INDEX CONTOUR LINE
- NEW CONTOUR LINE
- 5400 — EXISTING INDEX CONTOUR LINE
- EXISTING CONTOUR LINE
- EXISTING WATER VALVE
- COA — CITY OF ALBUQUERQUE
- TOC — TOP OF CURB
- FL — FLOWLINE
- TOP — TOP OF PIPE
- X 87.5 — EXISTING SPOT ELEVATION
- IE — INVERT ELEVATION
- EXISTING FIRE HYDRANT
- F-O MH — EXISTING FIBER-OPTIC MANHOLE
- EXISTING CATCH BASIN
- NEW CATCH BASIN

NOTE: SEE SHEET 5 OF 16 FOR DRAINAGE CALCULATIONS

NOTE: SEE SHEET 6 OF 16 FOR PIPE SIZES, AND ELEVATIONS

FOR INFORMATION ONLY

N

20' 10' 0 20' 40'

SCALE: 1" = 20'

Drawing name: N:\198635\OPTION1\PWDRAIN.DWG
Saved on: February 6, 1999 at 10:54 AM

AS BUILT INFORMATION

CONTRACTOR

	DATE
WORK STAKED BY	
ASBUILTS SURVEYED BY	
FIELD VERIFICATION BY	
DRAWINGS CORRECTED BY	

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

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RIM ELEVATION = 5221.73

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEERS SEAL

RICHARD J. DEVINE NEW MEXICO 13282 REGISTERED PROFESSIONAL ENGINEER STATE OF NEW MEXICO

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY RJD	DATE JULY, 1999
		DRAWN BY SEC	DATE JULY, 1999
		CHECKED BY PJC	DATE JULY, 1999

198635

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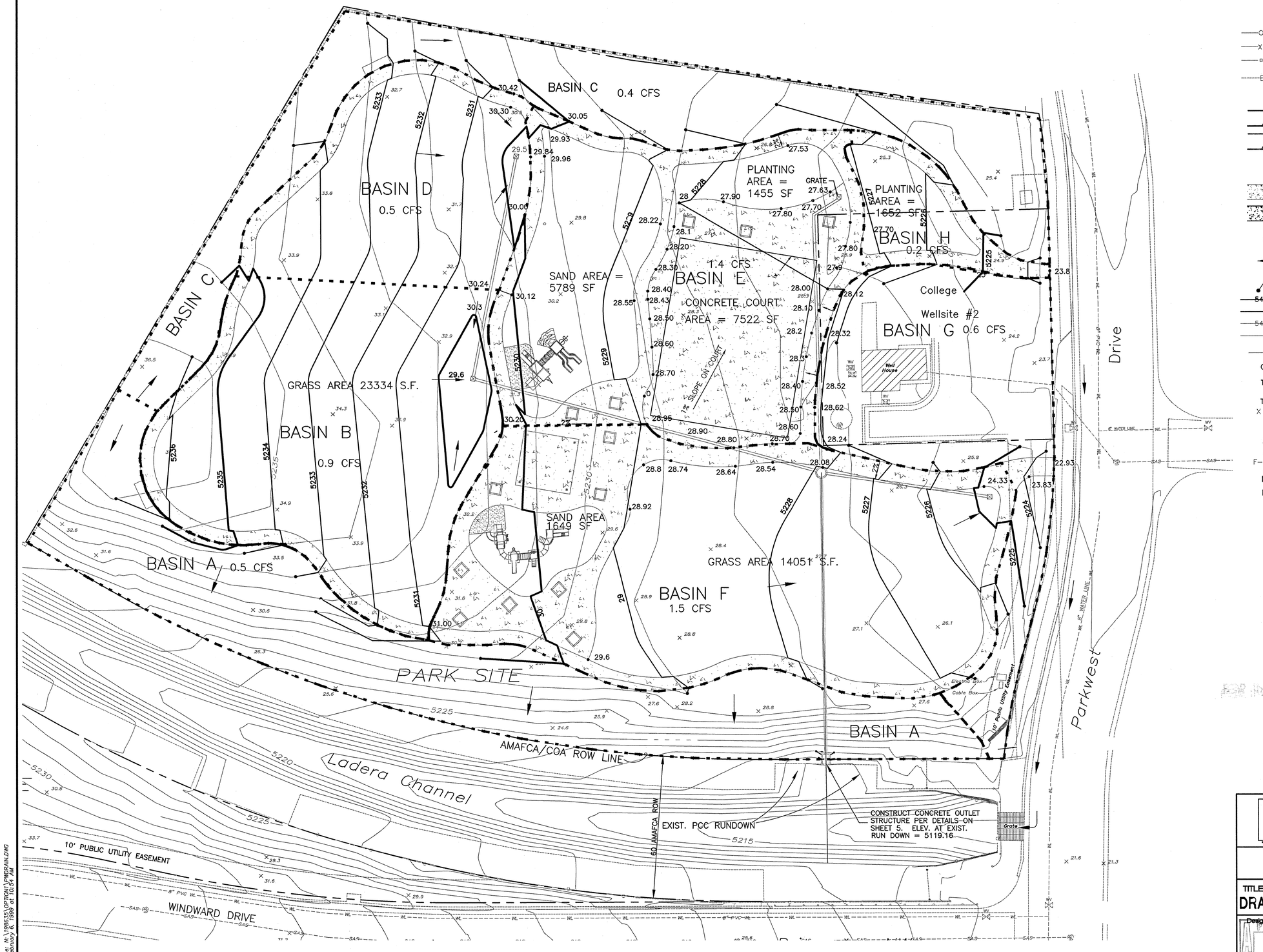
CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
LANDSCAPE ARCHITECTURE AND CONSRUCTION SERVICES

TITLE: PARKWEST PARK IMPROVEMENTS

DRAINAGE & GRADING PLAN & BASIN DEFINITION

Design Review Committee	City Engineer Approval	Last Design Update	Mo. / Day / Yr.	Mo. / Day / Yr.

City Project No. 573592 | Zone Map No. H-9-Z | Sheet 4 Of 16



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- EXISTING STORM DRAIN
- NEW STORM DRAIN MANHOLE
- EXISTING STORM DRAIN MANHOLE
- EXISTING CONCRETE SIDEWALKS AND CURB LINES
- NEW CONCRETE SIDEWALKS AND CURB LINES
- HORIZONTAL AND VERTICAL CONTROL POINT
- NEW STORM DRAIN FLOW ARROW
- 84.33 — NEW SPOT ELEVATION
- 5400 — NEW INDEX CONTOUR LINE
- NEW CONTOUR LINE
- 5400 — EXISTING INDEX CONTOUR LINE
- EXISTING CONTOUR LINE
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- IE — INVERT ELEVATION
- EXISTING FIRE HYDRANT
- F-O MH — EXISTING FIBER-OPTIC MANHOLE
- EXISTING CATCH BASIN
- NEW CATCH BASIN

NOTE: SEE SHEET 5 OF 16 FOR DRAINAGE CALCULATIONS

NOTE: SEE SHEET 6 OF 16 FOR PIPE SIZES, AND ELEVATIONS

FOR INFORMATION ONLY

N

20' 10' 0 20' 40'

SCALE: 1" = 20'

AS BUILT INFORMATION

CONTRACTOR — DATE
STAKED BY — DATE
INSPECTOR'S CHANGE BY — DATE
FIELD VERIFICATION BY — DATE
MARKINGS CORRECTED BY — DATE
RECORDED BY — DATE
NO.

BENCH MARKS

TEMPORARY BENCHMARK: SAS MH NO. 4 LOCATED AT THE INTERSECTION OF WINDWARD DRIVE AND PARK WEST DRIVE
RIM ELEVATION = 5221.73

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEERS SEAL

J. DEVINE RICHARD — STATE OF NEW MEXICO — 13282 — REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
DESIGNED BY	RJD	DATE	JULY, 1999
DRAWN BY	SEC	DATE	JULY, 1999
CHECKED BY	PJC	DATE	JULY, 1999

198635

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A Full Service Engineering Company
6400 Uptown Boulevard, N.E. Suite 500E Albuquerque, New Mexico 87110

CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
LANDSCAPE ARCHITECTURE AND CONSTRUCTION SERVICES

TITLE: PARKWEST PARK IMPROVEMENTS

DRAINAGE & GRADING PLAN & BASIN DEFINITION

Design Review Committee: APPROVED JUL 22 1999 DESIGN REVIEW COMMITTEE

City Engineer Approval: APPROVED JUL 26 1999 CITY ENGINEER

Last Design Update: Mo. / Day / Yr.

City Project No. 573592 | Zone Map No. H-0-Z | Sheet 4 Of 16

Drawing name: N:\198635\SPTP0N1\PWORPAN.DWG
Saved on: February 05, 1999 at 10:54 AM

HYDROLOGIC ANALYSIS

ALL TC'S ARE ASSUMED TO BE 12 MINUTES

PROJECT NAME = PARKWEST PARK PROJECT NO 198635

HYDROLOGIC CALCULATIONS
(for small watersheds < 40 acres (per DPM Section 22)

Precipitation Zone = 1

Table A-9 (DPM) Peak Discharge (cfs/acre)

FORMULA : Total Qp (cfs) = QpA*Aa+QpB*Ba+QpC*Ca+QpD*Da -- Note - "a" = area in acres

EXISITING CONDITONS

Basin &	Return	Qp per Land Treatment Type (cfs/acre)				and		Land Treatment Type (acres)							
Condition or	Period	QpA	A	A	QpB	B	B	QpC	C	C	QpD	D	D	Total	**Total Qp**
Analysis Point	6-hr.		(ac)	(%)		(ac)	(%)		(ac)	(%)		(ac)	(%)	Area (ac.	**(cfs)**
ENTIRE SITE	100	1.29	2.4688	98.0	2.03	0.0000	0.0	2.87	0.0000	0.0	4.37	0.0515	2.0	2.5203	3.4
ENTIRE SITE	10	0.24	2.4688	98.0	0.76	0.0000	0.0	1.49	0.0000	0.0	2.89	0.0515	2.0	2.5203	0.7

DEVLOPED CONDITIONS

Basin &	Return	Qp per Land Treatment Type (cfs/acre)				and		Land Treatment Type (acres)							
Condition or	Period	QpA	A	A	QpB	B	B	QpC	C	C	QpD	D	D	Total	**Total Qp**
Analysis Point	6-hr.		(ac)	(%)		(ac)	(%)		(ac)	(%)		(ac)	(%)	Area (ac.	**(cfs)**
A	100	1.29	0.3617	100.0%	2.03	0.0000	0.0	2.87	0.0000	0.0	4.37	0.0000	0.0	0.3617	0.5
A	10	0.24	0.3617	100.0%	0.76	0.0000	0.0	1.49	0.0000	0.0	2.89	0.0000	0.0	0.3617	0.1
Basin &	Return	Qp per Land Treatment Type (cfs/acre)				and		Land Treatment Type (acres)							
Condition or	Period	QpA	A	A	QpB	B	B	QpC	C	C	QpD	D	D	Total	**Total Qp**
Analysis Point	6-hr.		(ac)	(%)		(ac)	(%)		(ac)	(%)		(ac)	(%)	Area (ac.	**(cfs)**
B	100	1.29	0.0000	0.0	2.03	0.3480	90.5	2.87	0.0000	0.0	4.37	0.0363	9.5	0.3844	0.9
B	10	0.24	0.0000	0.0	0.76	0.3480	90.5	1.49	0.0000	0.0	2.89	0.0363	9.5	0.3844	0.4
Basin &	Return	Qp per Land Treatment Type (cfs/acre)				and		Land Treatment Type (acres)							
Condition or	Period	QpA	A	A	QpB	B	B	QpC	C	C	QpD	D	D	Total	**Total Qp**
Analysis Point	6-hr.		(ac)	(%)		(ac)	(%)		(ac)	(%)		(ac)	(%)	Area (ac.	**(cfs)**
C	100	1.29	0.2875	100.0	2.03	0.0000	0.0	2.87	0.0000	0.0	4.37	0.0000	0.0	0.2875	0.4
C	10	0.24	0.2875	100.0	0.76	0.0000	0.0	1.49	0.0000	0.0	2.89	0.0000	0.0	0.2875	0.1
Basin &	Return	Qp per Land Treatment Type (cfs/acre)				and		Land Treatment Type (acres)							
Condition or	Period	QpA	A	A	QpB	B	B	QpC	C	C	QpD	D	D	Total	**Total Qp**
Analysis Point	6-hr.		(ac)	(%)		(ac)	(%)		(ac)	(%)		(ac)	(%)	Area (ac.	**(cfs)**
D	100	1.29	0.0000	0.0	2.03	0.1864	88.8	2.87	0.0000	0.0	4.37	0.0234	11.2	0.2098	0.5
D	10	0.24	0.0000	0.0	0.76	0.1864	88.8	1.49	0.0000	0.0	2.89	0.0234	11.2	0.2098	0.2
Basin &	Return	Qp per Land Treatment Type (cfs/acre)				and		Land Treatment Type (acres)							
Condition or	Period	QpA	A	A	QpB	B	B	QpC	C	C	QpD	D	D	Total	**Total Qp**
Analysis Point	6-hr.		(ac)	(%)		(ac)	(%)		(ac)	(%)		(ac)	(%)	Area (ac.	**(cfs)**
E	100	1.29	0.1663	38.8	2.03	0.0000	0.0	2.87	0.0000	0.0	4.37	0.2629	61.2	0.4292	1.4
E	10	0.24	0.1663	38.8	0.76	0.0000	0.0	1.49	0.0000	0.0	2.89	0.2629	61.2	0.4292	0.8
Basin &	Return	Qp per Land Treatment Type (cfs/acre)				and		Land Treatment Type (acres)							
Condition or	Period	QpA	A	A	QpB	B	B	QpC	C	C	QpD	D	D	Total	**Total Qp**
Analysis Point	6-hr.		(ac)	(%)		(ac)	(%)		(ac)	(%)		(ac)	(%)	Area (ac.	**(cfs)**
F	100	1.29	0.0379	7.0	2.03	0.3226	59.4	2.87	0.0000	0.0	4.37	0.1828	33.7	0.5432	1.5
F	10	0.24	0.0379	7.0	0.76	0.3226	59.4	1.49	0.0000	0.0	2.89	0.1828	33.7	0.5432	0.8
Basin &	Return	Qp per Land Treatment Type (cfs/acre)				and		Land Treatment Type (acres)							
Condition or	Period	QpA	A	A	QpB	B	B	QpC	C	C	QpD	D	D	Total	**Total Qp**
Analysis Point	6-hr.		(ac)	(%)		(ac)	(%)		(ac)	(%)		(ac)	(%)	Area (ac.	**(cfs)**
G	100	1.29	0.0000	0.0	2.03	0.1901	78.7	2.87	0.0000	0.0	4.37	0.0515	21.3	0.2416	0.6
G	10	0.24	0.0000	0.0	0.76	0.1901	78.7	1.49	0.0000	0.0	2.89	0.0515	21.3	0.2416	0.3
Basin &	Return	Qp per Land Treatment Type (cfs/acre)				and		Land Treatment Type (acres)							
Condition or	Period	QpA	A	A	QpB	B	B	QpC	C	C	QpD	D	D	Total	**Total Qp**
Analysis Point	6-hr.		(ac)	(%)		(ac)	(%)		(ac)	(%)		(ac)	(%)	Area (ac.	**(cfs)**
H	100	1.29	0.0379	60.2	2.03	0.0000	0.0	2.87	0.0000	0.0	4.37	0.0250	39.8	0.0629	0.2
H	10	0.24	0.0379	60.2	0.76	0.0000	0.0	1.49	0.0000	0.0	2.89	0.0250	39.8	0.0629	0.1
												TOTAL 100 YEAR		2.52	5.8
										TOTAL 10 YEAR				2.52	2.7

PROJECT NAME = PARKWEST PARK

HYDROLOGIC CALCULATIONS
(for small watersheds < 40 acres (per DPM Section 22)

Precipitation Zone = 1

Table A-8 (DPM) Excess Precipitation - E - (in.) EXISTING CONDITIONS

FORMULAS: Weighted E (in.) = EaA*Aa+EaB*Ba+EaC*Ca+EaD*Da / (total area "a") -- Note - "a" = area in acres
Total Runoff Volume (ac-ft) = Weighted E (in.) * (total area "a") / (12 in./ft)

Basin &	Return	Rainfall Excess -E per Land Treatment Type (inches) and Land Treatment Type (acres)														
Condition or	Period	EaA	A	A	EaB	B	B	EaC	C	C	EaD	D	D	Total	Weighted	**Runoff**
Analysis Point	6-hr.													Area	E	**Volume**
			(ac)	(%)		(ac)	(%)		(ac)	(%)		(ac)	(%)	(ac)	(inches)	**(ac-ft)**
	100	0.44	2.4688	98.0	0.67	0.0000	0.0	0.99	0.0000	0.0	1.97	0.0515	2.0	2.5203	0.47	0.0990
	10	0.08	2.4668	98.0	0.22	0.0000	0.0	0.44	0.0000	0.0	1.24	0.0515	2.0	2.5183	0.10	0.0218

Table A-8 (DPM) Excess Precipitation - E - (in.) DEVELOPED CONDITONS ENTIRE AREA

FORMULAS: Weighted E (in.) = EaA*Aa+EaB*Ba+EaC*Ca+EaD*Da / (total area "a") -- Note - "a" = area in acres
Total Runoff Volume (ac-ft) = Weighted E (in.) * (total area "a") / (12 in./ft)

Basin &	Return	Rainfall Excess -E per Land Treatment Type (inches) and Land Treatment Type (acres)														
Condition or	Period	EaA	A	A	EaB	B	B	EaC	C	C	EaD	D	D	Total	Weighted	**Runoff**
Analysis Point	6-hr.													Area	E	**Volume**
			(ac)	(%)		(ac)	(%)		(ac)	(%)		(ac)	(%)	(ac)	(inches)	**(ac-ft)**
	100	0.44	0.8912	35.4	0.67	1.0471	41.5	0.99	0.0000	0.0	1.97	0.5820	23.1	2.5203	0.89	0.1867
	10	0.08	0.8912	35.4	0.22	1.0471	41.5	0.44	0.0000	0.0	1.24	0.5820	23.1	2.5203	0.41	0.0853

PARKWEST PARK DRAINAGE ANALYSIS

SITE LOCATION AND DESCRIPTION

The Parkwest Park site is located on a 3 acre parcel of undeveloped land located in the northwest section of Albuquerque in the general vicinity of Unser Blvd & 98th Street. The south side of the park borders the Ladera Channel. The west side of the park borders Parkwest Drive. Access to this park will be along Parkwest Drive. The soils at this site are classified as BCC (Bluepoint Series.) This soil is a loamy fine sand found on slopes from 1 to 9%. The local climate in this area is considered semi-arid and is hot a dry with an average annual rainfall of 8". The project is site is classified as zone X on the flood insurance Rate map firm (#35001c0326d). The City of Albuquerque water well College Well site #2 is located on the site.

At the time of this analysis, the City of Albuquerque could not locate their file that contains the master drainage plan for the Parkwest Subdivision. A copy of the Grading and Erosion Control Plan for PARKWEST Subdivision unit 5 , sheet 5 of 39 , designed by Community Sciences Corporation states that "Future Park Grading Shall Limit Discharge to Parkwest Drive to 5.7 CFS". A letter written by AMAFCA to Consensus Planning dated October 16, 1998 states that drainage from the park should be directed to the existing concrete rundown on the Ladera Channel.

HYDROLOGIC ANALYSIS

The City of Albuquerque's Development Process Manual (DPM) Section 22.2 was used to compute the 100 -year 6-hour peak flows and runoff volumes for the onsite basins. Precipitation is in zone 1 along with tables A-8 and A-9 were used for these calculations. The park was divided into 8 sub-basins based on developed runoff patterns. The existing condition flows were computed for comparison purposes only. There are no offsite flows entering the site for either existing or developed conditions.

A Existing Conditions - Onsite

The existing site is undeveloped and is vegetated with native plants and grasses. The majority of existing storm runoff goes to Parkwest Drive. The Southern portion of the park drains to the Ladera Channel. The average slope across the park is about 2% and flows are generally directed to Parkwest Drive. The existing 100 year flows were calculated to be 3.4 cfs. There are no existing detention basins or drainage infrastructure in the park. Runoff that reaches Parkwest Drive flows south to a series of catch basins that drop into the Lader Channel.

The Ladera Channel is a Concrete lined channel that flows from east to west by the Park. As stated in the opening paragraph, AMAFCA would like to see developed flows drain to the existing concrete rundown on the Ladera Channel as shown of the Grading and Drainage plans.

B DEVELOPED CONDITIONS

The developed park will included paved impermeable areas including concrete sidewalks and courts, landscaped areas for native shrubs and trees, irrigated turf areas and sand area for children's playgrounds.

Basin A and Basin C will remain essentially undisturbed. Native shrubs and grasses will be planted in these areas. Land treatment type A was used to calculated both the existing and developed conditions. Basin A will sheet flow to the Ladera Channel. Basin C will continue to flow to Parkwest Drive.

Basin B is 90.5% irrigated turf and 9.5 percent concrete sidewalk . Land treatment B was used for the turf and land treatment D for the sidewalk. All the proposed sidewalks around the perimeter to the park will have a 2% cross slope directed to towards the interior of the park. This will eliminate developed impermeable surface flows from eroding the existing slopes along the Ladera Channel. A storm inlet is proposed to take the 100 year runoff down to an outlet structure at the existing concrete rundown on the Ladera Channel. An estimated 0.9 cfs will drain from this basin to the channel. Basin D is similar to Basin B with 88.8% of the area in irrigated turf and 11.2 % in concrete sidewalk. All sidewalks in this basin will slope towards the center to minimize erosion on the undeveloped areas outside of the sidewalk. An estimated 0.5 cfs will be drained via a storm inlet and 12" PVC drain pipe to the outlet structure mentioned above.

Basin E encompasses a sand play area, concrete sidewalks, and the concrete basketball court and play area. 61.2% of the area is concrete and classified as land treatment D. 38.8% of the area is sand and classified as land treatment A. An estimated 1.4 cfs of runoff will be drained via a type "D" storm inlet and 12" pvc drain pipe to the proposed outlet structure at the existing concrete rundown on the Ladera Channel.

Basin F area is composed of 59.4% turf-land treatment B-7% sand playground-land treatment A- and 33.7% concrete-land treatment D. An estimated 1.5 cfs will be drain to the Ladera Channel rundown via a storm inlet and 12" PVC drain pipe.

Basin G is the College Well site #2 . There will be no changes in the existing drainage patterns. An estimated 0.6 cfs drains to Parkwest Drive.

The Basin H area consists of 60.2% land treatment A and 39.8% land treatment D. and estimated 0.2 cfs will drain to Parkwest Drive.

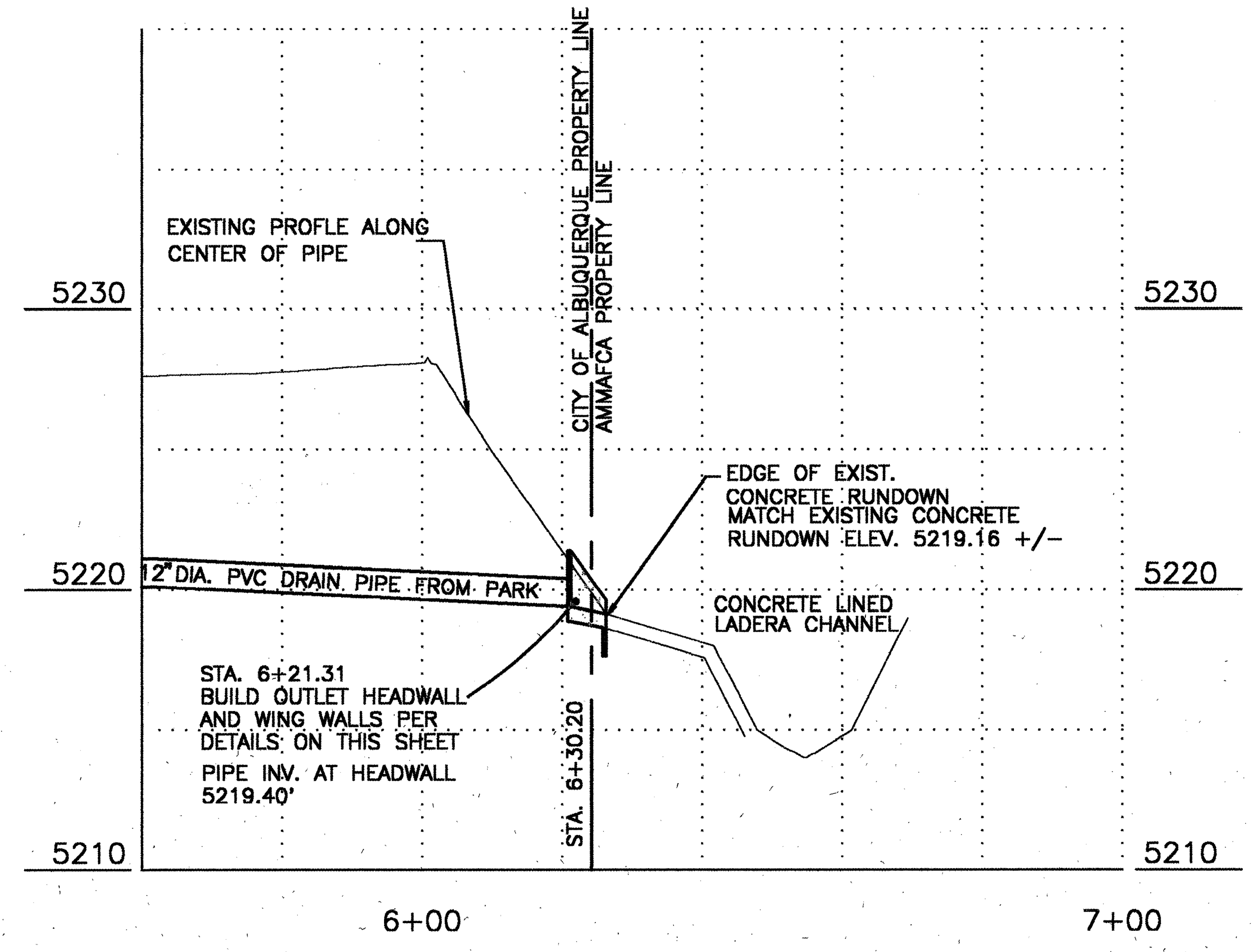
Due to the small discharges from the park, the hydraulic analysis on the inlets and pipes are not shown. There is more than adequate capacity for the Q's involved.

SUMMARY

The allowable drainage from the proposed park is 5.7 cfs. Basins C, G, and H will drain 1.2 cfs into Parkwest Drive and ultimately end up in the Ladera Channel. That leaves 4.5 cfs that can be released from the outlet structure on the Ladera Channel. A total of 4.3 cfs will drain from basins B, D, E, and F. No detention is required.

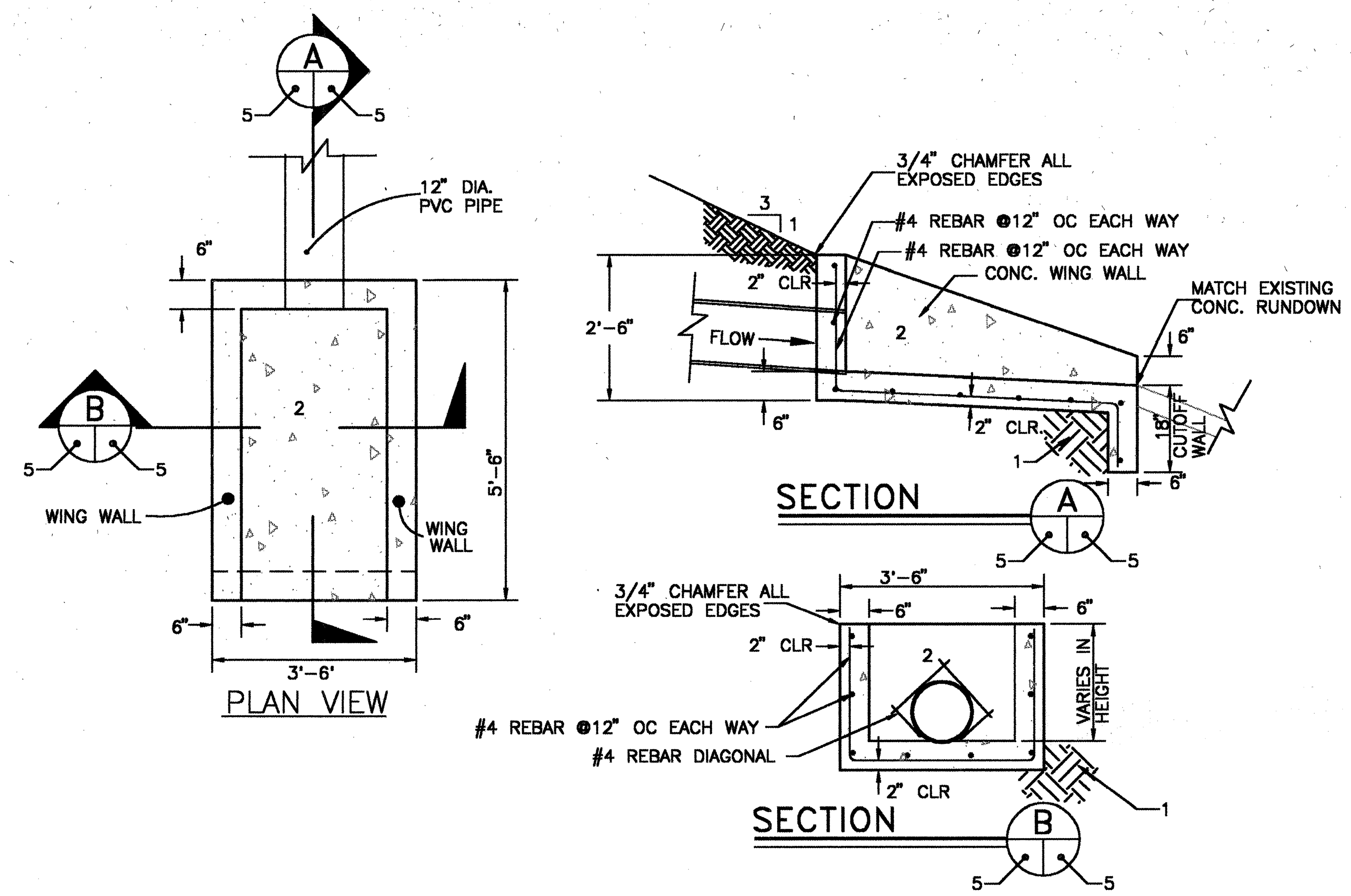
Storm Drain - Pipe Size Calculation

Pipe	Upstream Node	Down-stream Node	Length (ft)	Inlet Discharge (cfs)	Section Size (in)	Capacity (cfs)	Average Velocity (ft/s)	Invert Up (ft)	Invert Down (ft)	Slope (ft/ft)
Pipe #1	DI #1	DI #2	98.00	0.50	12	5.16	1.92	5226.00	5225.02	0.0100
Pipe #2	DI #2	JB #1	155.00	1.40	12	5.16	4.33	5225.02	5222.68	0.0151
Pipe #3	DI #3	JB #1	125.00	1.40	12	5.16	4.33	5223.00	5221.75	0.0100
Pipe #4	DI #4	JB #1	74.00	1.50	12	5.16	2.90	5221.60	5220.86	0.0100
Pipe #5	JB #1	Outlet	123.00	4.30	12	5.16	6.21	5220.76	5219.20	0.0127



PROFILE – 12" PVC DRAIN PIPE TO THE LADERA CHANNEL

SCALE: 1" = 20' HOR.
1" = 5' VERT.



FOR INFORMATION ONLY

CONSTRUCTION NOTES

1 COMPACTED 6" SOIL TO 95% PER ASTM D-1557

2 ALL REINFORCED CONCRETE SHALL BE 4000 PSI @28 DAYS PER CITY OF ALBUQUERQUE STANDARDS

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CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
LANDSCAPE ARCHITITECTURE AND CONSRUCTION SERVICES

TITLE: PARKWEST PARK IMPROVEMENTS
DRAINAGE CALCULATIONS AND ANALYSIS

Design Review Committee: APPROVED JUL 22 1999 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED JUL 26 1999 CITY ENGINEER
Last Design Update | Mo. / Day / Yr. | Mo. / Day / Yr.

City Project No. 573592 | Zone Map No. H-9-Z | Sheet 5 Of 16

AS BUILT INFORMATION: CONTRACTOR; WORK STAKED BY — DATE; INSPECTOR'S ACCEPTANCE BY — DATE; FIELD VERIFICATION BY — DATE; DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION: RECORDED BY — DATE; NO.

BENCH MARKS: TEMPORARY BENCHMARK: SAS MH NO. 4 LOCATED AT THE INTERSECTION OF WINDWARD DRIVE AND PARK WEST DRIVE RIM ELEVATION = 5221.73

SURVEY INFORMATION: FIELD NOTES — NO. | BY | DATE

ENGINEERS SEAL: RICHARD J. DEVINE, STATE OF NEW MEXICO, 13282, REGISTERED PROFESSIONAL ENGINEER — 7/12/99

NO. | DATE | REMARKS | BY — REVISIONS

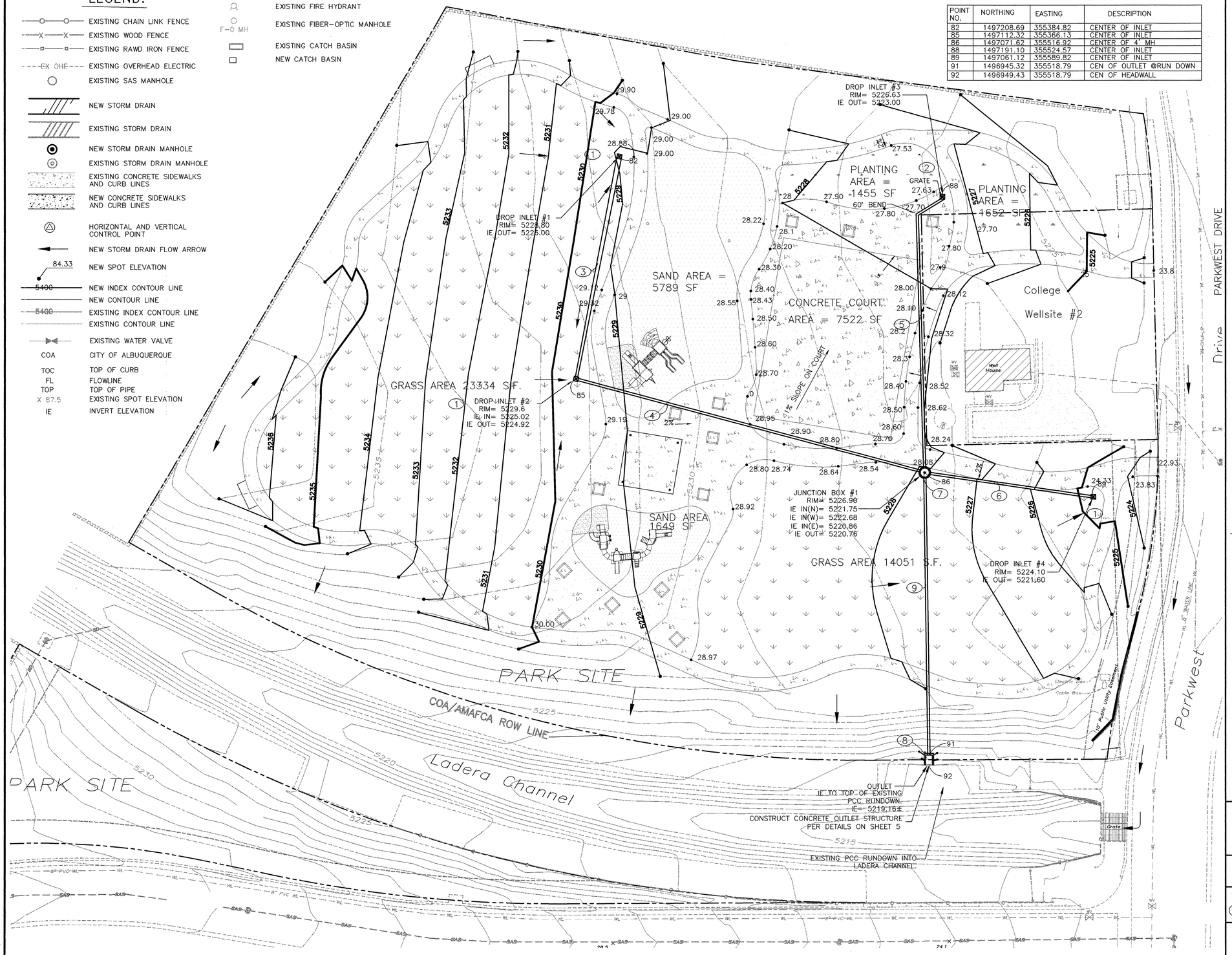
DESIGN: DESIGNED BY RJD DATE JULY, 1999; DRAWN BY SEC DATE JULY, 1999; CHECKED BY PJC DATE JULY, 1999

LEGEND:

- EXISTING CHAIN LINK FENCE
- EXISTING WOOD FENCE
- EXISTING RAWD IRON FENCE
- EX OHE — EXISTING OVERHEAD ELECTRIC
- EXISTING SAS MANHOLE
- NEW STORM DRAIN
- EXISTING STORM DRAIN
- NEW STORM DRAIN MANHOLE
- EXISTING STORM DRAIN MANHOLE
- EXISTING CONCRETE SIDEWALKS AND CURB LINES
- NEW CONCRETE SIDEWALKS AND CURB LINES
- HORIZONTAL AND VERTICAL CONTROL POINT
- NEW STORM DRAIN FLOW ARROW
- 84.33 — NEW SPOT ELEVATION
- 5400 — NEW INDEX CONTOUR LINE
- 5400 — NEW CONTOUR LINE
- 5400 — EXISTING INDEX CONTOUR LINE
- EXISTING CONTOUR LINE
- EXISTING WATER VALVE
- COA — CITY OF ALBUQUERQUE
- TOC — TOP OF CURB
- FL — FLOWLINE
- TOP — TOP OF PIPE
- X 87.5 — EXISTING SPOT ELEVATION
- IE — INVERT ELEVATION
- EXISTING FIRE HYDRANT
- F-O MH — EXISTING FIBER-OPTIC MANHOLE
- EXISTING CATCH BASIN
- NEW CATCH BASIN

HORIZONTAL DRAINAGE LAYOUT

POINT NO.	NORTHING	EASTING	DESCRIPTION
82	1497208.69	355384.82	CENTER OF INLET
85	1497112.32	355366.13	CENTER OF INLET
86	1497071.62	355516.92	CENTER OF 4" MH
88	1497191.10	355524.57	CENTER OF INLET
89	1497061.12	355589.82	CENTER OF INLET
91	1496945.32	355518.79	CEN OF OUTLET @RUN DOWN
92	1496949.43	355518.79	CEN OF HEADWALL



KEYED NOTES:

1. INSTALL NEW CATCH BASIN. USE 18"x18" NDS SQUARE GRATE (PART NUMBER 1812 – GREEN) OR APPROVED EQUAL. INSTALL PER MANUFACTURER INSTRUCTIONS. SEE GENERAL NOTE 3.
2. INSTALL NEW CATCH BASIN – TYPE "D" PER CITY OF ALUBUQUERQUE SPECIFICATIONS.
3. INSTALL 98 LF OF 12" DIA. PVC DRAIN PIPE @S = 0.0100 ft/ft (PIPE #1).
4. INSTALL 155 LF OF 12" DIA. PVC DRAIN PIPE @S = 0.0145 ft/ft (PIPE #2).
5. INSTALL 125 LF OF 12" DIA. PVC DRAIN PIPE @S = 0.0100 ft/ft (PIPE #3).
6. INSTALL 74 LF OF 12" DIA. PVC DRAIN PIPE @S = 0.0100 ft/ft (PIPE #4).
7. INSTALL 4' I.D. JUNCTION BOX PER COA STANDARD DETAIL 2101 (TYPE "C" MANHOLE).
8. INSTALL PCC OUTLET STRUCTURE PER DETAILS ON SHEET 5.
9. INSTALL 123 LF OF 12" DIA. PVC DRAIN PIPE @S = 0.0127 ft/ft (PIPE #5).

GENERAL NOTES

1. PCC SIDE WALKS SHALL BE PLACED 0.1' HIGHER THAN TURF AREA.
2. ALL SIDEWALKS SHALL HAVE A CROSS SLOPE OF NO MORE THAN 2%. NO NEW SIDEWALK SHALL HAVE A GRADE STEEPER THAN 5% EXCEPT AT WHEEL CHAIR RAMPS WHICH SHALL BE NO STEEPER THAN 8.33 % (12:1)
3. GRATE CAPACITY CALCULATIONS
   $Q = 0.6A\sqrt{2gh}$
   WHERE:
   A = FREE OPEN AREA OF ORIFICE
   g = 32.2 (feet per sec/sec)
   h = Head in feet

   DROP INLET #1
   A = 0.72 sf
   h = 0.50 ft
   $Q = 0.6(0.72)\sqrt{2(32.20)(0.5)}$
   Q = (2.45 cfs) * 0.70
   (30% CLOGGING FACTOR APPLIED)
   Q (REQUIRED) = 0.50 cfs
   Q (AVAILABLE) = 1.72cfs

   SOUTHWEST RUNDOWN
   A = 0.72 sf
   h = 0.30 ft
   $Q = 0.6(0.72)\sqrt{2(32.20)(0.30)}$
   Q = (1.90 cfs) * 0.70
   (30% CLOGGING FACTOR APPLIED)
   Q (REQUIRED) = 0.90 cfs
   Q (AVAILABLE) = 1.33 cfs

ESTIMATED EARTHWORK VOLUMES PRISMOIDAL METHOD

ORIGINAL SURFACE	VOID exist
FINAL SURFACE	design1
CUT COMPACTION FACTOR	0.00 %
FILL COMPACTION FACTOR	30.00 % SWELL
RAW CUT VOLUME	1128.48 CY
RAW FILL VOLUME	796.14 CY
CMP FILL VOLUME	1034.98 CY

REVISED 8/31/99

PRISMOIDAL METHOD

ORIGINAL SURFACE	exist
FINAL SURFACE	design3
CUT COMPACTION FACTOR	0.00 %
FILL COMPACTION FACTOR	30.00 % SWELL
RAW CUT VOLUME	2020.89 CY
RAW FILL VOLUME	636.74 CY
CMP FILL VOLUME	445.72 CY

N

FOR INFORMATION ONLY

20' 10' 0 20' 40'

SCALE: 1" = 20'

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6400 Uptown Boulevard, N.E. Suite 500E Albuquerque, New Mexico 87110

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
INSPECTIONS BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
RECORDED BY — DATE
NO.

BENCH MARKS
TEMPORARY BENCHMARK: SAS MH NO. 4 LOCATED AT THE INTERSECTION OF WINDWARD DRIVE AND PARK WEST DRIVE
RIM ELEVATION = 5221.73

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEERS SEAL
RICHARD J. DEVINE — STATE OF NEW MEXICO — (13282) — REGISTERED PROFESSIONAL ENGINEER

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

REVISIONS
NO. | BY | DATE | REMARKS

DESIGN
DESIGNED BY RJD — DATE JULY, 1999
DRAWN BY SEC — DATE JULY, 1999
CHECKED BY PJC — DATE JULY, 1999

CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
LANDSCAPE ARCHITECTURE AND CONSRUCTION SERVICES

TITLE: PARKWEST PARK IMPROVEMENTS

GRADING & DRAINAGE PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo. / Day / Yr.	Mo. / Day / Yr.

City Project No. 573592 | Zone Map No. H-9-Z | Sheet 6 Of 16

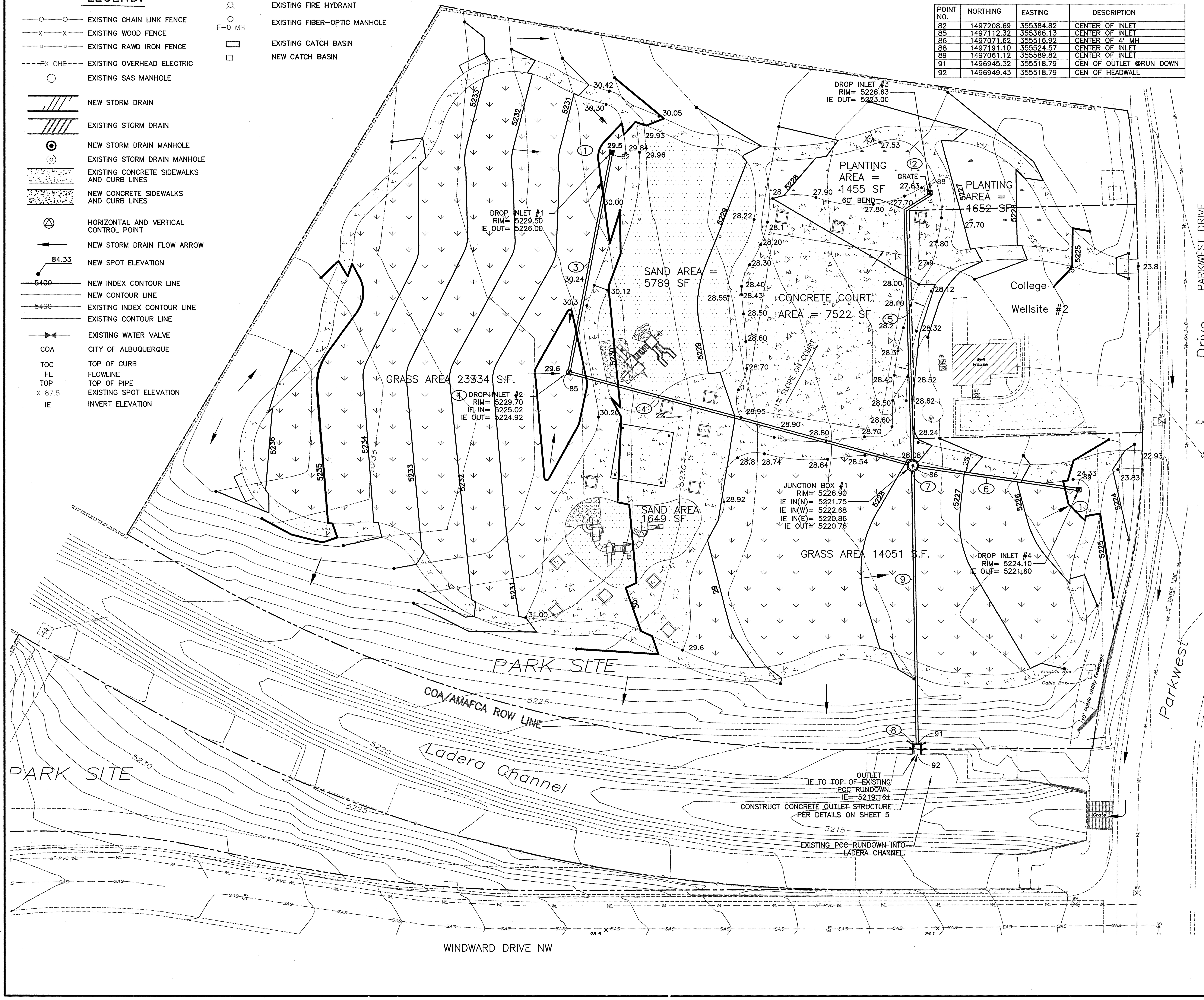
Drawing name: N:\198635\OPTION1\PWGRADE.DWG
Saved on: April 29, 1999 at 1:43 PM

LEGEND:

- EXISTING CHAIN LINK FENCE
- EXISTING WOOD FENCE
- EXISTING RAWD IRON FENCE
- EX OHE — EXISTING OVERHEAD ELECTRIC
- EXISTING SAS MANHOLE
- NEW STORM DRAIN
- EXISTING STORM DRAIN
- NEW STORM DRAIN MANHOLE
- EXISTING STORM DRAIN MANHOLE
- EXISTING CONCRETE SIDEWALKS AND CURB LINES
- NEW CONCRETE SIDEWALKS AND CURB LINES
- HORIZONTAL AND VERTICAL CONTROL POINT
- NEW STORM DRAIN FLOW ARROW
- 84.33 — NEW SPOT ELEVATION
- 5400 — NEW INDEX CONTOUR LINE
- NEW CONTOUR LINE
- 5400 — EXISTING INDEX CONTOUR LINE
- EXISTING CONTOUR LINE
- EXISTING WATER VALVE
- COA — CITY OF ALBUQUERQUE
- TOC — TOP OF CURB
- FL — FLOWLINE
- TOP — TOP OF PIPE
- X 87.5 — EXISTING SPOT ELEVATION
- IE — INVERT ELEVATION
- EXISTING FIRE HYDRANT
- F-O MH — EXISTING FIBER-OPTIC MANHOLE
- EXISTING CATCH BASIN
- NEW CATCH BASIN

HORIZONTAL DRAINAGE LAYOUT

POINT NO.	NORTHING	EASTING	DESCRIPTION
82	1497208.69	355384.82	CENTER OF INLET
85	1497112.32	355366.13	CENTER OF INLET
86	1497071.62	355516.92	CENTER OF 4' MH
88	1497191.10	355524.57	CENTER OF INLET
89	1497061.12	355589.82	CENTER OF INLET
91	1496945.32	355518.79	CEN OF OUTLET @RUN DOWN
92	1496949.43	355518.79	CEN OF HEADWALL



KEYED NOTES:

1. INSTALL NEW CATCH BASIN. USE 18"x18" NDS SQUARE GRATE (PART NUMBER 1812 – GREEN) OR APPROVED EQUAL. INSTALL PER MANUFACTURER INSTRUCTIONS. SEE GENERAL NOTE 3.
2. INSTALL NEW CATCH BASIN – TYPE "D" PER CITY OF ALUBUQUERQUE SPECIFICATIONS.
3. INSTALL 98 LF OF 12" DIA. PVC DRAIN PIPE @S = 0.0100 ft/ft (PIPE #1).
4. INSTALL 155 LF OF 12" DIA. PVC DRAIN PIPE @S = 0.0145 ft/ft (PIPE #2).
5. INSTALL 125 LF OF 12" DIA. PVC DRAIN PIPE @S = 0.0100 ft/ft (PIPE #3).
6. INSTALL 74 LF OF 12" DIA. PVC DRAIN PIPE @S = 0.0100 ft/ft (PIPE #4).
7. INSTALL 4' I.D. JUNCTION BOX PER COA STANDARD DETAIL 2101 (TYPE "C" MANHOLE).
8. INSTALL PCC OUTLET STRUCTURE PER DETAILS ON SHEET 5.
9. INSTALL 123 LF OF 12" DIA. PVC DRAIN PIPE @S = 0.0127 ft/ft (PIPE #5).

GENERAL NOTES

1. PCC SIDE WALKS SHALL BE PLACED 0.1' HIGHER THAN TURF AREA.
2. ALL SIDEWALKS SHALL HAVE A CROSS SLOPE OF NO MORE THAN 2%. NO NEW SIDEWALK SHALL HAVE A GRADE STEEPER THAN 5% EXCEPT AT WHEEL CHAIR RAMPS WHICH SHALL BE NO STEEPER THAN 8.33 % (12:1)
3. GRATE CAPACITY CALCULATIONS

$Q = 0.6A\sqrt{2gh}$

WHERE:
A = FREE OPEN AREA OF ORIFICE
g = 32.2 (feet per sec/sec)
h = Head in feet

DROP INLET #1
A = 0.72 sf
h = 0.50 ft
$Q = 0.6(0.72)\sqrt{2(32.20)(0.5)}$
Q = (2.45 cfs) * 0.70
(30% CLOGGING FACTOR APPLIED)
Q (REQUIRED) = 0.50 cfs
Q (AVAILABLE) = 1.72cfs

SOUTHWEST RUNDOWN
A = 0.72 sf
h = 0.30 ft
$Q = 0.6(0.72)\sqrt{2(32.20)(0.30)}$
Q = (1.90 cfs) * 0.70
(30% CLOGGING FACTOR APPLIED)
Q (REQUIRED) = 0.90 cfs
Q (AVAILABLE) = 1.33 cfs

ESTIMATED EARTHWORK VOLUMES PRISMOIDAL METHOD

ORIGINAL SURFACE	exist
FINAL SURFACE	design1
CUT COMPACTION FACTOR	0.00 %
FILL COMPACTION FACTOR	30.00 % SWELL
RAW CUT VOLUME	1128.48 CY
RAW FILL VOLUME	796.14 CY
CMP FILL VOLUME	1034.98 CY

FOR INFORMATION ONLY

N

20' 10' 0 20' 40'
SCALE: 1" = 20'

AS BUILT INFORMATION: CONTRACTOR; WORK STARTED BY; INSPECTOR'S ACCEPTANCE BY; FIELD VERIFICATION BY; DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION: RECORDED BY — DATE; NO.

BENCH MARKS: TEMPORARY BENCHMARK: SAS MH NO. 4 LOCATED AT THE INTERSECTION OF WINDWARD DRIVE AND PARK WEST DRIVE. RIM ELEVATION = 5221.73

SURVEY INFORMATION: FIELD NOTES — NO. BY DATE

ENGINEERS SEAL: RICHARD J. DEVINE, STATE OF NEW MEXICO, 13282, REGISTERED PROFESSIONAL ENGINEER, 7/12/99

REVISIONS: NO. DATE REMARKS BY

DESIGN		
DESIGNED BY RJD	DATE	JULY, 1999
DRAWN BY SEC	DATE	JULY, 1999
CHECKED BY PJC	DATE	JULY, 1999

198635
Smith Engineering Company
A Full Service Engineering Company
6400 Uptown Boulevard, N.E. Suite 500E Albuquerque, New Mexico 87110

CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
LANDSCAPE ARCHITITECTURE AND CONSRUCTION SERVICES

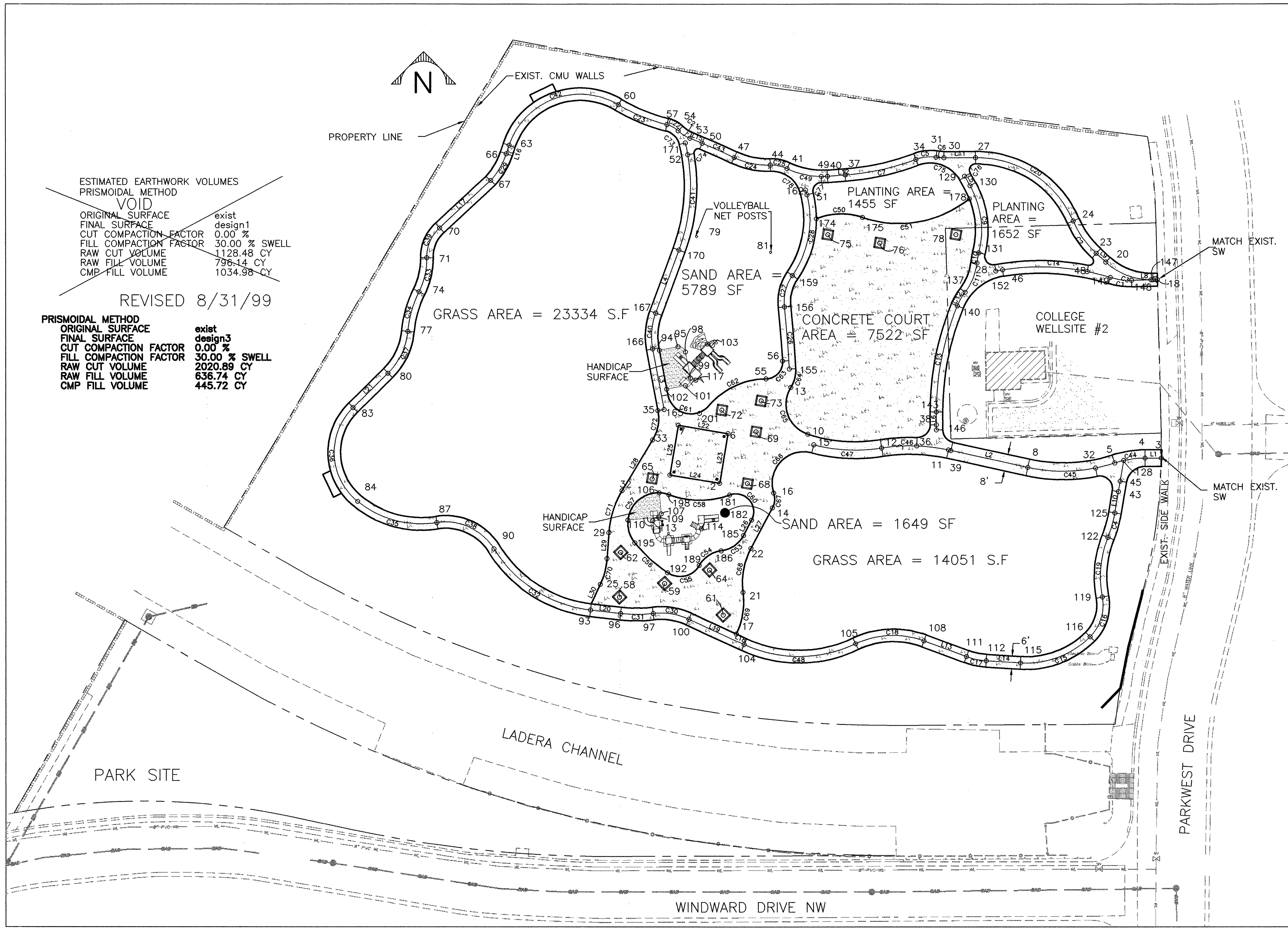
TITLE: PARKWEST PARK IMPROVEMENTS

GRADING & DRAINAGE PLAN

Design Review Committee: APPROVED JUL 22 1999 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED JUL 26 1999 CITY ENGINEER
Last Design Update — Mo. / Day / Yr. — Mo. / Day / Yr.

City Project No. 573592 | Zone Map No. H-9-Z | Sheet 6 Of 16

Drawing name: N:\198635\OPTION1\PWGRADE.DWG Saved on: April 29, 1999 at 1:43 PM



DESIGN POINT TABLE

POINT NO.	NORTHING	EASTING	ELEV.	DESCRIPTION
2	1497062.33	355408.05	5228.95	PI
3	1497074.20	355617.83	5223.44	PI
4	1497074.20	355610.08	5223.96	PC
5	1497071.89	355595.68	5224.55	PRC
6	1497086.00	355412.00	5228.90	PI
7	1497089.95	355388.33	5229.00	PI
8	1497069.81	355554.41	5226.54	PT
9	1497066.27	355384.38	5229.03	PI
10	1497085.68	355449.94	5228.86	PCR
11	1497078.15	355516.73	5228.07	PC
12	1497079.09	355484.98	5228.44	PRC
13	1497108.00	355441.88	5228.77	PRC
14	1497050.58	355433.08	5228.70	PC
15	1497080.69	355452.76	5228.82	PT
16	1497057.62	355433.67	5228.75	PRC
17	1496990.76	355415.88	5228.97	PC
18	1497159.01	355616.02	5223.80	PI
19	1497158.93	355613.02	5223.87	PC
20	1497167.29	355591.52	5224.73	PT
21	1497010.43	355419.06	5228.77	PRC
22	1497031.31	355422.86	5228.75	PT
23	1497171.42	355587.00	5225.00	PC
24	1497186.79	355576.03	5225.63	PRC
25	1497014.14	355351.27	5229.84	PC
26	1497026.45	355354.46	5229.80	PT
27	1497217.00	355529.72	5227.14	PT
28	1497166.84	355530.31	5227.37	RP
29	1497038.79	355355.34	5229.75	PC
30	1497216.91	355514.70	5227.43	PC
31	1497217.17	355510.93	5227.50	PRC
32	1497058.73	355361.64	5229.70	PT
33	1497082.98	355376.19	5229.22	PC
34	1497216.12	355501.39	5227.59	PRC
35	1497096.96	355378.70	5229.21	PT
36	1497080.10	355501.62	5228.22	POC
37	1497208.69	355467.79	5228.13	PT
38	1497090.09	355511.00	5228.65	POT
39	1497078.15	355516.73	5228.00	POT
40	1497208.10	355459.34	5228.24	PC
41	1497211.80	355440.14	5229.17	PRC
42	1497069.49	355586.58	5225.00	POC
43	1497058.18	355597.41	5224.79	POT
44	1497213.49	355432.22	5228.61	PRC
45	1497063.21	355598.27	5224.67	POT
46	1497163.62	355542.48	5227.12	POC
47	1497217.10	355415.09	5228.83	PRC
48	1497162.82	355582.65	5225.19	POC
49	1497208.01	355456.44	5228.28	POC
50	1497223.92	355399.83	5229.12	PT
51	1497199.29	355449.60	5228.67	POC
52	1497218.46	355392.99	5229.25	POC
53	1497226.35	355393.96	5229.34	PC
54	1497229.90	355388.50	5229.00	PRC
57	1497232.83	355383.12	5229.84	PRC
60	1497242.23	355360.04	5231.08	PRC
63	1497222.95	355308.15	5233.53	PT
66	1497218.90	355306.81	5233.67	PC
67	1497206.06	355299.39	5234.08	PT
70	1497183.55	355275.10	5234.63	PC
71	1497169.37	355269.01	5234.79	PRC
74	1497153.35	355265.32	5235.07	PRC
77	1497134.59	355259.96	5235.44	PRC
80	1497114.68	355250.52	5235.71	PT
83	1497098.41	355233.96	5236.06	PC
84	1497053.67	355236.11	5235.95	PCC
87	1497043.55	355273.70	5234.12	PRC
90	1497031.08	355300.80	5232.65	PRC
93	1497002.02	355346.66	5230.05	PT
96	1497000.39	355360.93	5229.70	PC
97	1497000.40	355376.42	5229.50	PRC

DESIGN POINT TABLE

POINT NO.	NORTHING	EASTING	ELEV.	DESCRIPTION
100	1496997.73	355393.36	5229.20	PT
104	1496985.75	355419.64	5228.80	PC
105	1496986.05	355472.56	5228.34	PRC
108	1496987.43	355505.00	5228.03	PT
111	1496979.96	355525.20	5227.76	PC
112	1496977.97	355534.58	5227.57	PT
115	1496976.95	355550.89	5227.34	PC
116	1496989.37	355583.91	5226.78	PCC
119	1497008.17	355589.73	5226.31	PRC
122	1497036.51	355592.46	5225.53	PRC
125	1497048.05	355595.70	5225.07	PT
128	1497073.07	355599.94	5224.42	PI
129	1497208.07	355524.52	5227.13	PI
130	1497203.46	355527.10	5227.09	PC
131	1497171.70	355531.22	5227.27	PRC
137	1497153.06	355524.68	5227.91	PRC
140	1497146.64	355520.97	5228.10	PCC
143	1497096.31	355511.00	5228.59	PT
146	1497087.67	355511.00	5228.67	PI
147	1497158.92	355613.02	5223.85	PI
148	1497158.68	355603.80	5224.13	PC
149	1497160.06	355593.63	5224.65	PRC
152	1497163.07	355539.29	5227.25	PT
155	1497116.72	355441.20	5228.74	PC
156	1497146.22	355438.84	5228.49	PRC
159	1497161.06	355442.66	5228.36	PRC
162	1497201.45	355449.00	5228.74	PT
165	1497097.51	355381.64	5229.15	PI
166	1497126.25	355376.26	5229.20	PC
167	1497143.27	355377.70	5229.20	PT
170	1497173.06	355388.75	5228.90	PC
171	1497224.11	355391.83	5229.35	PT
174	1497188.00	355454.04	5228.10	PC
175	1497188.50	355476.00	5227.84	PRC
178	1497197.29	355526.73	5227.12	PT
181	1497056.69	355412.74	5228.81	PC
182	1497044.72	355423.18	5228.85	PT
185	1497037.48	355419.34	5228.87	PC
186	1497030.15	355408.70	5229.59	PRC
189	1497023.22	355398.29	5228.93	PRC
192	1497019.76	355383.29	5229.20	PCC
195	1497033.92	355367.66	5229.60	PCC
198	1497056.77	355383.90	5229.20	PRC
201	1497095.64	355398.44	5228.75	PCC
55	1497112.00	355430.07	5228.79	PRC
56	1497120.50	355437.97	5228.71	PRC

TREE WELL POINTS

58	1497008.16	355360.40	NA	PLANTER
59	1497014.62	355381.81	NA	PLANTER
61	1496999.67	355409.67	NA	PLANTER
62	1497029.37	355361.01	NA	PLANTER
64	1497021.08	355403.21	NA	PLANTER
65	1497064.38	355375.96	NA	PLANTER
68	1497062.16	355421.21	NA	PLANTER
69	1497086.82	355425.32	NA	PLANTER
72	1497097.22	355409.12	NA	PLANTER
73	1497101.62	355427.78	NA	PLANTER
75	1497180.36	355459.53	NA	PLANTER
76	1497176.25	355484.19	NA	PLANTER
78	1497180.36	355520.36	NA	PLANTER
79	1497179.49	355397.12	NA	NET POST
81	1497172.03	355432.34	NA	NET POST

DESIGN POINTS FOR HANDICAP SURFACE

94	1497125.62	355379.42	NA	HCEDGE
95	1497127.29	355388.28	NA	HCEDGE
98	1497124.83	355391.80	NA	HCEDGE
99	1497112.33	355394.14	NA	HCEDGE
101	1497108.82	355391.73	NA	HCEDGE
102	1497107.16	355382.87	NA	HCEDGE
103	1497128.64	355402.24	NA	POST
106	1497057.69	355379.30	NA	HCEDGE
107	1497047.71	355380.22	NA	HCEDGE
109	1497046.14	355379.02	NA	HCEDGE
110	1497044.78	355364.39	NA	HCEDGE
113	1497044.44	355376.23	NA	POST
114	1497040.67	355399.37	NA	POST
117	1497111.42	355396.62	NA	POST

NOTES

UNLESS NOTED ON THE PLANS, ALL SIDEWALK CENTERLINES ARE FOR 6' WIDE SIDEWALKS. CENTERLINE POINTS SHOWN SHALL BE OFFSET 3' LEFT AND RIGHT.

WHERE SIDEWALKS ARE NOT SYMMETRICAL ABOUT THE CENTERLINE, ADDITIONAL POINTS HAVE BEEN SHOWN ON THIS PLAN FOR SET THE EDGE OF SIDEWALK.

ALL SIDEWALKS SHALL HAVE A CROSS SLOPE OF NO MORE THAN 2%. NO NEW SIDEWALK SHALL HAVE A GRADE STEEPER THAN 5% EXCEPT AT WHEEL CHAIR RAMPS WHICH SHALL BE NO STEEPER THAN 8.33 % (12:1)

6" THICK SIDEWALK FOR COA MAINTENANCE ACCESS. ALL OTHER SIDEWALK PAVING SHALL BE 4" THICK UNLESS OTHERWISE NOTED.

FOR INFORMATION ONLY

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15' 0 30' 60'
SCALE: 1" = 30'

DESIGN CURVE TABLE

NUMBER	DELTA	RADIUS	TANGENT	ARC LENGTH	CHORD BEARING
C1	18°28'07"	32.00	5.20	10.31	S 82°16'37" E
C2	24°13'38"	45.00	9.66	19.03	S 35°31'09" E
C3	42°14'32"	32.00	12.36	23.59	S 68°45'14" E
C4	12°04'26"	57.00	6.03	12.01	N 15°39'44" E
C5	29°14'43"	19.00	4.96	9.70	S 83°42'20" W
C6	08°40'55"	25.00	1.90	3.79	S 86°00'46" E
C7	16°54'47"	117.00	17.39	34.54	N 77°32'22" E
C9	43°43'14"	43.00	17.25	32.81	S 07°23'19" E
C10	07°39'59"	37.00	2.48	4.95	S 10°38'18" W
C11	30°49'23"	28.00	7.72	15.06	S 22°13'01" W
C12	15°12'53"	28.00	3.74	7.44	S 30°01'16" W
C13	22°24'49"	132.00	26.15	51.64	S 11°12'25" W
C14	27°34'08"	114.20	28.02	54.95	N 86°49'37" W
C15	48°26'24"	43.00	19.34	36.35	N 69°22'44" E
C16	55°52'30"	21.00	11.14	20.48	N 17°13'17" E
C17	16°42'20"	33.00	4.85	9.62	S 78°02'54" E
C18	45°28'25"	42.00	17.60	33.33	S 87°34'04" W
C19	32°24'55"	51.00	14.82	28.85	S 05°29'30" W
C20	66°56'54"	50.12	33.14	58.57	N 56°52'47" W
C21	21°06'10"	17.79	3.31	6.55	S 56°56'53" E
C22	30°04'33"	11.79	3.17	6.19	N 61°26'04" W
C23	17°16'11"	83.00	12.60	25.02	S 67°50'15" E
C24	27°21'45"	37.00	9.01	17.67	S 78°04'36" E
C25	27°34'04"	17.00	4.17	8.18	N 77°58'27" W
C26	02°42'09"	627.64	14.81	29.61	N 04°34'44" W
C27	40°44'21"	22.00	8.17	15.64	N 14°26'22" E
C28	51°45'52"	46.84	22.73	42.32	N 08°55'37" E
C29	23°07'34"	37.00	7.57	14.93	N 30°00'04" E
C30	31°04'51"	32.00	8.90	17.36	N 81°01'58" W

DESIGN CURVE TABLE

C31	13°04'36"	68.00	7.79	15.52	N 89°57'54" E
C32	51°43'41"	62.23	30.17	56.18	S 57°37'58" E
C33	27°22'15"	34.76	8.46	16.61	N 12°58'32" E
C34	21°26'00"	52.44	9.92	19.62	S 15°56'39" W
C35	47°50'19"	48.00	21.29	40.08	S 74°55'42" E
C36	96°30'49"	30.02	33.64	50.57	S 02°45'08" E
C37	40°16'38"	32.00	11.73	22.50	N 25°21'58" E
C38	67°04'44"	27.00	17.90	31.61	N 65°18'29" W
C39	47°53'20"	19.00	8.44	15.88	S 23°14'04" W
C40	30°57'51"	32.00	8.86	17.29	N 04°51'45" E
C41	33°47'00"	88.00	26.72	51.89	N 03°27'11" E
C42	102°21'34"	35.52	44.15	63.46	S 69°37'04" W
C43	03°06'14"	308.60	8.36	16.72	N 65°56'51" W
C44	18°14'20"	46.00	7.38	14.64	S 80°52'50" W
C45	30°43'06"	78.00	21.43	41.82	S 87°07'13" W
C46	21°34'42"	84.83	16.17	31.95	N 88°18'34" W
C47	23°52'11"	78.00	16.49	32.50	N 87°09'50" W
C48	49°40'36"	63.00	29.16	54.62	N 89°40'09" E
C49	29°48'50"	38.00	10.12	19.77	S 79°05'50" E
C50	40°08'02"	32.01	11.69	22.43	N 88°41'47" E
C51	57°10'34"	53.80	29.32	53.69	N 80°10'31" E
C53	54°57'00"	14.00	7.28	13.43	S 55°24'52" W
C54	53°02'41"	14.00	6.99	12.96	S 56°22'02" W
C55	94°17'09"	10.50	11.32	17.28	S 76°59'16" W
C56	16°07'47"	75.17	10.65	21.16	N 47°48'16" W
C57	150°15'05"	14.50	54.59	38.02	N 35°23'11" E
C58	40°40'08"	41.50	15.38	29.46	S 89°49'21" E
C60	138°05'47"	8.50	22.20	20.49	N 41°06'32" W
C61	128°56'28"	11.20	23.45	25.21	S 75°05'25" E
C62	48°56'38"	36.18	16.47	30.91	N 64°54'40" E

DESIGN CURVE TABLE

C63	92°58'26"	8.00	8.43	12.98	N 42°53'46" E
C64	35°39'00"	15.00	4.82	9.33	S 14°35'51" W
C65	104°32'58"	15.00	19.39	27.37	S 19°51'08" E
C66	123°00'41"	15.00	27.63	32.20	S 43°15'54" W
C67	46°10'48"	9.00	3.84	7.25	N 04°50'58" E
C68	35°17'48"	35.00	11.14	21.56	S 10°17'28" W
C69	33°05'10"	35.00	10.40	20.21	N 09°11'09" E
C70	20°55'53"	35.00	6.47	12.79	S 14°33'05" W
C71	26°52'41"	45.00	10.75	21.11	N 17°31'29" E
C72	41°35'00"	20.00	7.59	14.52	S 10°10'19" W
C73	63°02'01"	8.79	5.39	9.67	N 44°57'20" W
C74	122°11'00"	2.00	3.62	4.27	S 51°24'32" W
C75	81°40'06"	16.00	13.83	22.81	N 70°04'59" W
C76	118°53'42"	3.00	5.08	6.23	S 30°11'55" W
C77	104°35'15"	4.00	5.17	7.30	N 38°05'01" E
C78	74°48'09"	14.00	10.70	18.28	N 54°21'24" W

DESIGN LINE TABLE

NUMBER	DIRECTION	DISTANCE
L1	S 90°00'00" W	7.75 FT
L2	N 77°31'13" W	38.59 FT
L3	N 10°37'11" W	29.24 FT
L4	N 20°20'41" E	31.77 FT
L5	S 29°14'56" E	5.29 FT
L6	S 00°00'00" E	8.64 FT
L8	S 88°29'19" W	12.22 FT
L9	N 47°37'58" W	6.12 FT
L10	N 09°37'31" E	25.37 FT
L11	S 89°38'46" W	15.02 FT
L12	S 85°59'45" W	8.47 FT
L13	S 69°41'44" E	21.53 FT
L14	S 86°24'04" E	16.35 FT
L15	N 67°29'58" W	6.36 FT
L16	S 18°26'17" W	4.27 FT
L17	S 47°10'45" W	33.12 FT
L18	S 65°29'33" E	5.49 FT
L19	S 65°29'33" E	23.39 FT
L20	S 83°29'48" E	14.36 FT
L21	S 45°30'17" W	23.22 FT
L22	N 80°32'16" W	24.00 FT
L23	S 09°27'44" W	24.00 FT
L24	S 80°32'16" E	24.00 FT
L25	N 09°27'44" E	24.00 FT
L26	S 27°56'22" W	8.20 FT
L27	N 27°56'22" E	21.81 FT
L28	N 30°57'50" E	28.28 FT
L29	S 04°05'08" W	12.37 FT
L30	N 25°01'01" E	10.09 FT

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY DATE
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
TEMPORARY BENCHMARK: SAS MH NO. 4 LOCATED AT THE INTERSECTION OF WINDWARD DRIVE AND PARK WEST DRIVE
RIM ELEVATION = 5221.73

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEERS SEAL
RICHARD J. DEVINE, STATE OF NEW MEXICO, 13282, REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REVISIONS	REMARKS	BY
		DESIGN		

DESIGNED BY	RJD	DATE JULY, 1999
DRAWN BY	SEC	DATE JULY, 1999
CHECKED BY	PJC	DATE JULY, 1999

Smith Engineering Company 198635
A Full Service Engineering Company
6400 Uptown Boulevard, N.E. Suite 500E Albuquerque, New Mexico 87110

CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
LANDSCAPE ARCHTITECTURE AND CONSRUCTION SERVICES

TITLE: PARKWEST PARK IMPROVEMENTS
HORIZONTAL LAYOUT PLAN

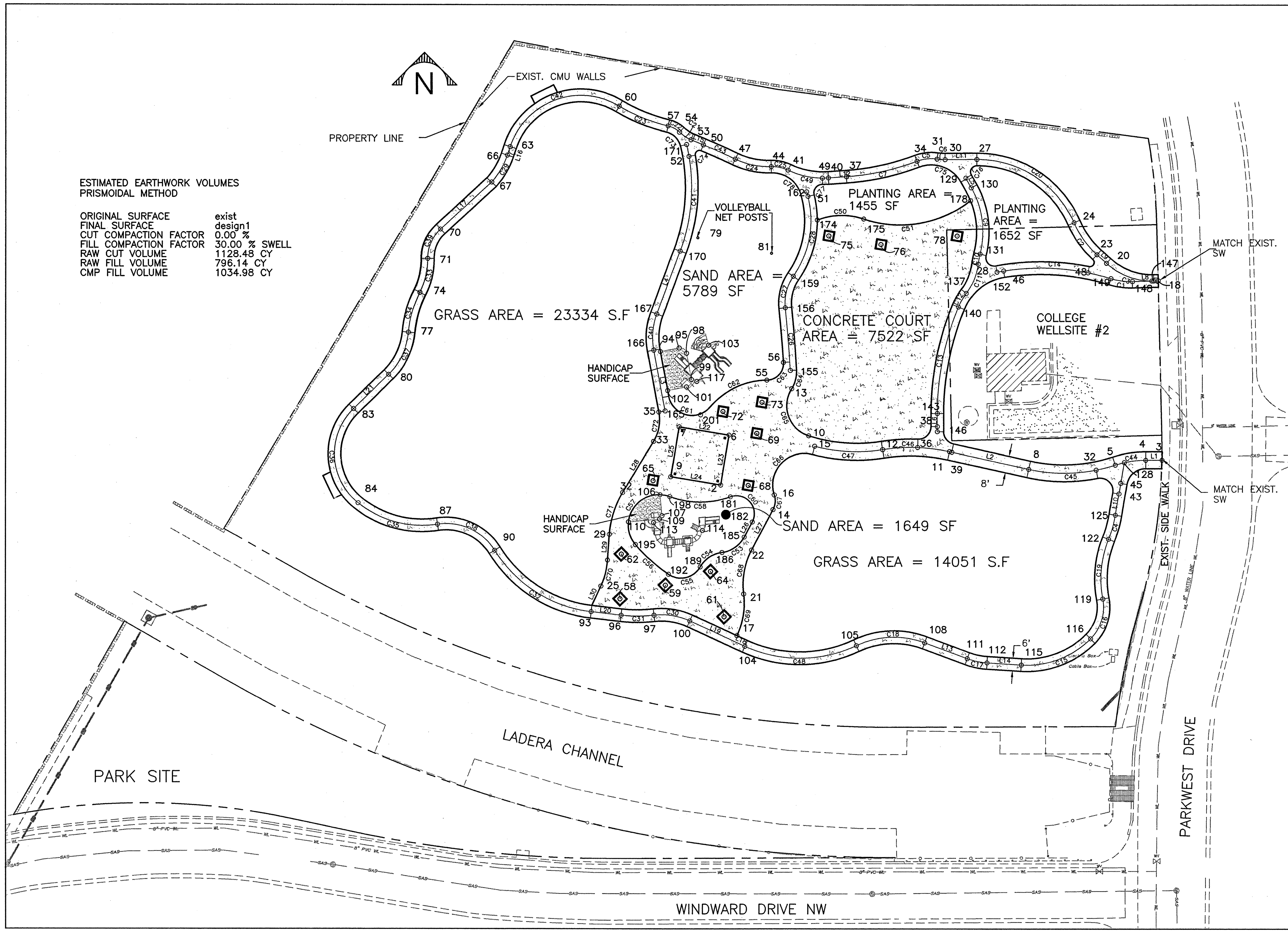
Design Review Committee	City Engineer Approval	Last Design Update	Mo. / Day / Yr.	Mo. / Day / Yr.

City Project No. 573592 | Zone Map No. H-9-Z | Sheet 7 Of 16

Drawing name: N:\198635\OPTION1\SITEPLAN.DWG
Saved on: January 20, 1999 at 7:01 PM

ESTIMATED EARTHWORK VOLUMES
PRISMOIDAL METHOD

ORIGINAL SURFACE	exist
FINAL SURFACE	design1
CUT COMPACTION FACTOR	0.00 %
FILL COMPACTION FACTOR	30.00 % SWELL
RAW CUT VOLUME	1128.48 CY
RAW FILL VOLUME	796.14 CY
CMP FILL VOLUME	1034.98 CY



DESIGN POINT TABLE

POINT NO.	NORTHING	EASTING	ELEV.	DESCRIPTION
2	1497062.33	355408.05	5229.55	PI
3	1497074.20	355617.83	5223.44	PI
4	1497074.20	355610.08	5223.96	PC
5	1497071.89	355595.68	5224.55	PRC
6	1497086.00	355412.00	5229.52	PI
7	1497089.95	355388.33	5230.00	PI
8	1497069.81	355554.41	5226.54	PT
9	1497066.27	355384.38	5230.06	PI
10	1497085.68	355449.94	5228.86	PCR
11	1497078.15	355516.73	5228.07	PC
12	1497079.09	355484.98	5228.44	PRC
13	1497108.00	355441.88	5228.77	PRC
14	1497050.58	355433.08	5228.97	PC
15	1497080.69	355452.76	5228.82	PT
16	1497057.62	355433.67	5228.97	PRC
17	1496990.76	355415.88	5229.69	PC
18	1497159.01	355616.02	5223.80	PI
19	1497158.93	355613.02	5223.87	PC
20	1497167.29	355591.52	5224.73	PT
21	1497010.43	355419.06	5229.38	PRC
22	1497031.31	355422.86	5229.14	PT
23	1497171.42	355587.00	5225.00	PC
24	1497186.79	355576.03	5225.63	PRC
25	1497014.14	355351.27	5230.84	PC
26	1497026.45	355354.46	5230.77	PT
27	1497217.00	355529.72	5227.14	PT
28	1497166.84	355530.31	5227.37	RP
29	1497038.79	355355.34	5230.73	PC
30	1497216.91	355514.70	5227.43	PC
31	1497217.17	355510.93	5227.50	PRC
32	1497058.73	355361.64	5230.55	PT
33	1497082.98	355376.19	5230.26	PC
34	1497216.12	355501.39	5227.59	PRC
35	1497096.96	355378.70	5230.17	PT
36	1497080.10	355501.62	5228.22	POC
37	1497208.69	355467.79	5228.41	PT
38	1497090.09	355511.00	5228.65	POT
39	1497078.15	355516.73	5228.00	POT
40	1497208.10	355459.34	5228.73	PC
41	1497211.80	355440.14	5229.17	PRC
42	1497069.49	355586.58	5225.00	POC
43	1497058.18	355597.41	5224.79	POT
44	1497213.49	355432.22	5229.39	PRC
45	1497063.21	355598.27	5224.67	POT
46	1497163.62	355542.48	5227.12	POC
47	1497217.10	355415.09	5229.72	PRC
48	1497162.82	355582.65	5225.19	POC
49	1497208.01	355456.44	5228.69	POC
50	1497223.92	355399.83	5230.14	PT
51	1497199.29	355449.60	5228.67	POC
52	1497218.46	355392.99	5229.99	POC
53	1497226.35	355393.96	5230.32	PC
54	1497229.90	355388.50	5230.44	PRC
57	1497232.83	355383.12	5230.67	PRC
60	1497242.23	355360.04	5231.61	PRC
63	1497222.95	355308.15	5233.65	PT
66	1497218.90	355306.81	5233.77	PC
67	1497206.06	355299.39	5234.08	PT
70	1497183.55	355275.10	5234.63	PC
71	1497169.37	355269.01	5234.79	PRC
74	1497153.35	355265.32	5235.07	PRC
77	1497134.59	355259.96	5235.44	PRC
80	1497114.68	355250.52	5235.71	PT
83	1497098.41	355233.96	5236.06	PC
84	1497053.67	355236.11	5235.95	PCC
87	1497043.55	355273.70	5234.50	PRC
90	1497031.08	355300.80	5233.00	PRC
93	1497002.02	355346.66	5231.10	PT
96	1497000.39	355360.93	5230.80	PC
97	1497000.40	355376.42	5230.46	PRC

DESIGN POINT TABLE

POINT NO.	NORTHING	EASTING	ELEV.	DESCRIPTION
100	1496997.73	355393.36	5230.21	PT
104	1496985.75	355419.64	5229.68	PC
105	1496986.05	355472.56	5228.66	PRC
108	1496987.43	355505.00	5228.08	PT
111	1496979.96	355525.20	5227.76	PC
112	1496977.97	355534.58	5227.57	PT
115	1496976.95	355550.89	5227.34	PC
116	1496989.37	355583.91	5226.78	PCC
119	1497008.17	355589.73	5226.31	PRC
122	1497036.51	355592.46	5225.53	PRC
125	1497048.05	355595.70	5225.07	PT
128	1497073.07	355599.94	5224.42	PI
129	1497208.07	355524.52	5227.13	PI
130	1497203.46	355527.10	5227.09	PC
131	1497171.70	355531.22	5227.27	PRC
137	1497153.06	355524.68	5227.91	PRC
140	1497146.64	355520.97	5228.10	PCC
143	1497096.31	355511.00	5228.59	PT
146	1497087.67	355511.00	5228.67	PI
147	1497158.92	355613.02	5223.85	PI
148	1497158.68	355603.80	5224.13	PC
149	1497160.06	355593.63	5224.65	PRC
152	1497163.07	355539.29	5227.25	PT
155	1497116.72	355441.20	5228.74	PC
156	1497146.22	355438.84	5228.49	PRC
159	1497161.06	355442.66	5228.36	PRC
162	1497201.45	355449.00	5228.74	PT
165	1497097.51	355381.64	5230.11	PI
166	1497126.25	355376.26	5230.46	PC
167	1497143.27	355377.70	5230.25	PT
170	1497173.06	355388.75	5230.00	PC
171	1497224.11	355391.83	5230.28	PT
174	1497188.00	355454.04	5228.10	PC
175	1497188.50	355476.00	5227.84	PRC
178	1497197.29	355526.73	5227.12	PT
181	1497056.69	355412.74	5229.49	PC
182	1497044.72	355423.18	5229.16	PT
185	1497037.48	355419.34	5229.23	PC
186	1497030.15	355408.70	5229.59	PRC
189	1497023.22	355398.29	5229.91	PRC
192	1497019.76	355383.29	5230.17	PCC
195	1497033.92	355367.66	5230.51	PCC
198	1497056.77	355383.90	5230.07	PRC
201	1497095.64	355398.44	5229.79	RP

TREE WELL POINTS

58	1497008.16	355360.40	NA	PLANTER
59	1497014.62	355381.81	NA	PLANTER
61	1496999.67	355409.67	NA	PLANTER
62	1497029.37	355361.01	NA	PLANTER
64	1497021.08	355403.21	NA	PLANTER
65	1497064.38	355375.96	NA	PLANTER
68	1497062.16	355421.21	NA	PLANTER
69	1497086.82	355425.32	NA	PLANTER
72	1497097.22	355409.12	NA	PLANTER
73	1497101.62	355427.78	NA	PLANTER
75	1497180.36	355459.53	NA	PLANTER
76	1497176.25	355484.19	NA	PLANTER
78	1497180.36	355520.36	NA	PLANTER
79	1497179.49	355397.12	NA	NET POST
81	1497172.03	355432.34	NA	NET POST

DESIGN POINTS FOR HANDICAP SURFACE

94	1497125.62	355379.42	NA	HCEDGE
95	1497127.29	355388.28	NA	HCEDGE
98	1497124.83	355391.80	NA	HCEDGE
99	1497112.33	355394.14	NA	HCEDGE
101	1497108.82	355391.73	NA	HCEDGE
102	1497107.16	355382.87	NA	HCEDGE
103	1497128.64	355402.24	NA	POST
106	1497057.69	355379.30	NA	HCEDGE
107	1497047.71	355380.22	NA	HCEDGE
109	1497046.14	355379.02	NA	HCEDGE
110	1497044.78	355364.39	NA	HCEDGE
113	1497044.44	355376.23	NA	POST
114	1497040.67	355399.37	NA	POST
117	1497111.42	355396.62	NA	POST

NOTES

UNLESS NOTED ON THE PLANS, ALL SIDEWALK CENTERLINES ARE FOR 6' WIDE SIDEWALKS. CENTERLINE POINTS SHOWN SHALL BE OFFSET 3' LEFT AND RIGHT.

WHERE SIDEWALKS ARE NOT SYMMETRICAL ABOUT THE CENTERLINE, ADDITIONAL POINTS HAVE BEEN SHOWN ON THIS PLAN FOR SET THE EDGE OF SIDEWALK.

ALL SIDEWALKS SHALL HAVE A CROSS SLOPE OF NO MORE THAN 2%. NO NEW SIDEWALK SHALL HAVE A GRADE STEEPER THAN 5% EXCEPT AT WHEEL CHAIR RAMPS WHICH SHALL BE NO STEEPER THAN 8.33 % (12:1)

6" THICK SIDEWALK FOR COA MAINTENANCE ACCESS. ALL OTHER SIDEWALK PAVING SHALL BE 4" THICK UNLESS OTHERWISE NOTED.

FOR INFORMATION ONLY

DESIGN CURVE TABLE

NUMBER	DELTA	RADIUS	TANGENT	ARC LENGTH	CHORD BEARING
C1	18°28'07"	32.00	5.20	10.31	S 82°16'37" E
C2	24°13'38"	45.00	9.66	19.03	S 35°31'09" E
C3	42°14'32"	32.00	12.36	23.59	S 68°45'14" E
C4	12°04'26"	57.00	6.03	12.01	N 15°39'44" E
C5	29°14'43"	19.00	4.96	9.70	S 83°42'20" W
C6	08°40'55"	25.00	1.90	3.79	S 86°00'46" E
C7	16°54'47"	117.00	17.39	34.54	N 77°32'22" E
C9	43°43'14"	43.00	17.25	32.81	S 07°23'19" E
C10	07°39'59"	37.00	2.48	4.95	S 10°38'18" W
C11	30°49'23"	28.00	7.72	15.06	S 22°13'01" W
C12	15°12'53"	28.00	3.74	7.44	S 30°01'16" W
C13	22°24'49"	132.00	26.15	51.64	S 11°12'25" W
C14	27°34'08"	114.20	28.02	54.95	N 86°49'37" W
C15	48°26'24"	43.00	19.34	36.35	N 69°22'44" E
C16	55°52'30"	21.00	11.14	20.48	N 17°13'17" E
C17	16°42'20"	33.00	4.85	9.62	S 78°02'54" E
C18	45°28'25"	42.00	17.60	33.33	S 87°34'04" W
C19	32°24'55"	51.00	14.82	28.85	S 05°29'30" W
C20	66°56'54"	50.12	33.14	58.57	N 56°52'47" W
C21	21°06'10"	17.79	3.31	6.55	S 56°56'53" E
C22	30°04'33"	11.79	3.17	6.19	N 61°26'04" W
C23	17°16'11"	83.00	12.60	25.02	S 67°50'15" E
C24	27°21'45"	37.00	9.01	17.67	S 78°04'36" E
C25	27°34'04"	17.00	4.17	8.18	N 77°58'27" W
C26	02°42'09"	627.64	14.81	29.61	N 04°34'44" W
C27	40°44'21"	22.00	8.17	15.64	N 14°26'22" E
C28	51°45'52"	46.84	22.73	42.32	N 08°55'37" E
C29	23°07'34"	37.00	7.57	14.93	N 30°00'04" E
C30	31°04'51"	32.00	8.90	17.36	N 81°01'58" W

DESIGN CURVE TABLE

C31	13°04'36"	68.00	7.79	15.52	N 89°57'54" E
C32	51°43'41"	62.23	30.17	56.18	S 57°37'58" E
C33	27°22'15"	34.76	8.46	16.61	N 12°58'32" E
C34	21°26'00"	52.44	9.92	19.62	S 15°56'39" W
C35	47°50'19"	48.00	21.29	40.08	S 74°55'42" E
C36	96°30'49"	30.02	33.64	50.57	S 02°45'08" E
C37	40°16'38"	32.00	11.73	22.50	N 25°21'58" E
C38	67°04'44"	27.00	17.90	31.61	N 65°18'29" W
C39	47°53'20"	19.00	8.44	15.88	S 23°14'04" W
C40	30°57'51"	32.00	8.86	17.29	N 04°51'45" E
C41	33°47'00"	88.00	26.72	51.89	N 03°27'11" E
C42	102°21'34"	35.52	44.15	63.46	S 69°37'04" W
C43	03°06'14"	308.60	8.36	16.72	N 65°56'51" W
C44	18°14'20"	46.00	7.38	14.64	S 80°52'50" W
C45	30°43'06"	78.00	21.43	41.82	S 87°07'13" W
C46	21°34'42"	84.83	16.17	31.95	N 88°18'34" W
C47	23°52'11"	78.00	16.49	32.50	N 87°09'50" W
C48	49°40'36"	63.00	29.16	54.62	N 89°40'09" E
C49	29°48'50"	38.00	10.12	19.77	S 79°05'50" E
C50	40°08'02"	32.01	11.69	22.43	N 88°41'47" E
C51	57°10'34"	53.80	29.32	53.69	N 80°10'31" E
C53	54°57'00"	14.00	7.28	13.43	S 55°24'52" W
C54	53°02'41"	14.00	6.99	12.96	S 56°22'02" W
C55	94°17'09"	10.50	11.32	17.28	S 76°59'16" W
C56	16°07'47"	75.17	10.65	21.16	N 47°48'16" W
C57	150°15'05"	14.50	54.59	38.02	N 35°23'11" E
C58	40°40'08"	41.50	15.38	29.46	S 89°49'21" E
C60	138°05'47"	8.50	22.20	20.49	N 41°06'32" W
C61	128°56'28"	11.20	23.45	25.21	S 75°05'25" E
C62	48°56'38"	36.18	16.47	30.91	N 64°54'40" E

DESIGN CURVE TABLE

C63	92°58'26"	8.00	8.43	12.98	N 42°53'46" E
C64	35°39'00"	15.00	4.82	9.33	S 14°35'51" W
C65	104°32'58"	15.00	19.39	27.37	S 19°51'08" E
C66	123°00'41"	15.00	27.63	32.20	S 43°15'54" W
C67	46°10'48"	9.00	3.84	7.25	N 04°50'58" E
C68	35°17'48"	35.00	11.14	21.56	S 10°17'28" W
C69	33°05'10"	35.00	10.40	20.21	N 09°11'09" E
C70	20°55'53"	35.00	6.47	12.79	S 14°33'05" W
C71	26°52'41"	45.00	10.75	21.11	N 17°31'29" E
C72	41°35'00"	20.00	7.59	14.52	S 10°10'19" W
C73	63°02'01"	8.79	5.39	9.67	N 44°57'20" W
C74	122°11'00"	2.00	3.62	4.27	S 51°24'32" W
C75	81°40'06"	16.00	13.83	22.81	N 70°04'59" W
C76	118°53'42"	3.00	5.08	6.23	S 30°11'55" W
C77	104°35'15"	4.00	5.17	7.30	N 38°05'01" E
C78	74°48'09"	14.00	10.70	18.28	N 54°21'24" W

DESIGN LINE TABLE

NUMBER	DIRECTION	DISTANCE
L1	S 90°00'00" W	7.75 FT
L2	N 77°31'13" W	38.59 FT
L3	N 10°37'11" W	29.24 FT
L4	N 20°20'41" E	31.77 FT
L5	S 29°14'56" E	5.29 FT
L6	S 00°00'00" E	8.64 FT
L8	S 88°29'19" W	12.22 FT
L9	N 47°37'58" W	6.12 FT
L10	N 09°37'31" E	25.37 FT
L11	S 89°38'46" W	15.02 FT
L12	S 85°59'45" W	8.47 FT
L13	S 69°41'44" E	21.53 FT
L14	S 86°24'04" E	16.35 FT
L15	N 67°29'58" W	6.36 FT
L16	S 18°26'17" W	4.27 FT
L17	S 47°10'45" W	33.12 FT
L18	S 65°29'33" E	5.49 FT
L19	S 65°29'33" E	23.39 FT
L20	S 83°29'48" E	14.36 FT
L21	S 45°30'17" W	23.22 FT
L22	N 80°32'16" W	24.00 FT
L23	S 09°27'44" W	24.00 FT
L24	S 80°32'16" E	24.00 FT
L25	N 09°27'44" E	24.00 FT
L26	S 27°56'22" W	8.20 FT
L27	N 27°56'22" E	21.81 FT
L28	N 30°57'50" E	28.28 FT
L29	S 04°05'08" W	12.37 FT
L30	N 25°01'01" E	10.09 FT

N

15' 0 30' 60'
SCALE: 1" = 30'

AS BUILT INFORMATION
CONTRACTOR / DATE
WORK STAKED BY / DATE
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BENCH MARKS
TEMPORARY BENCHMARK: SAS MH NO. 4 LOCATED AT THE INTERSECTION OF WINDWARD DRIVE AND PARK WEST DRIVE.
RIM ELEVATION = 5221.73

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

MICRO-FILM INFORMATION
RECORDED BY / DATE / NO.

ENGINEERS SEAL
RICHARD J. DEVINE, STATE OF NEW MEXICO, 13282, REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY	RJD	DATE JULY, 1999
DRAWN BY	SEC	DATE JULY, 1999
CHECKED BY	PJC	DATE JULY, 1999

198635
Smith Engineering Company
A Full Service Engineering Company
6400 Uptown Boulevard, N.E. Suite 500E Albuquerque, New Mexico 87110

CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
LANDSCAPE ARCHITECTURE AND CONSRUCTION SERVICES

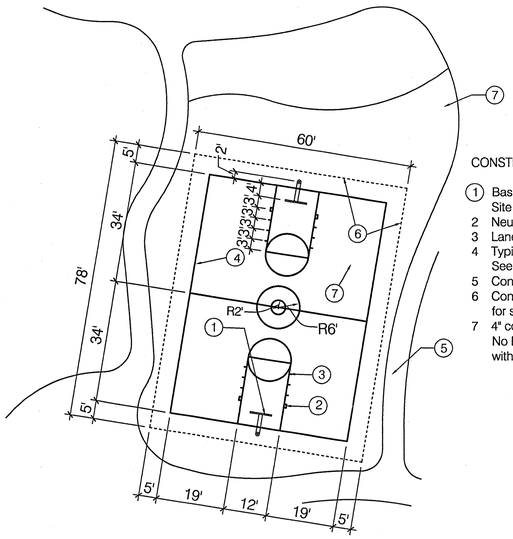
TITLE: PARKWEST PARK IMPROVEMENTS

HORIZONTAL LAYOUT PLAN

Design Review Committee: APPROVED JUL 22 1999 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED JUL 26 1999 CITY ENGINEER
Last Design Update | Mo. / Day / Yr. | Mo. / Day / Yr.

City Project No. 573592 | Zone Map No. H-9-Z | Sheet 7 Of 16

Drawing name: N:\198635\OPTION1\SITEPLAN.DWG
Saved on: January 20, 1999 at 7:01 PM

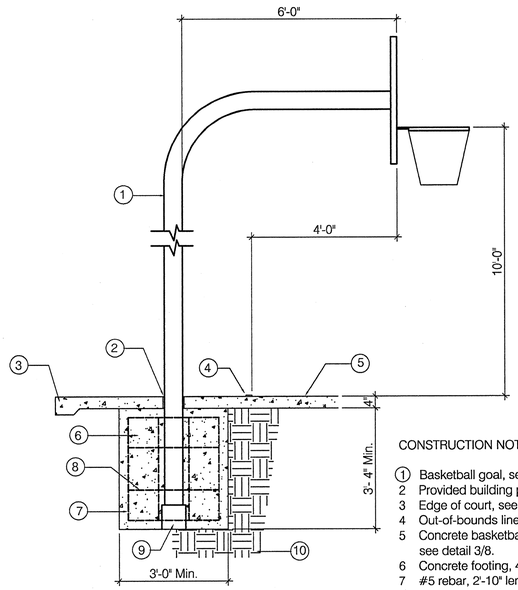


CONSTRUCTION NOTES

1. Basketball goal, typical of 2 - see detail 2/8 and Site Amenities Legend, sheet 11.
2. Neutral zone mark, typical, 12" wide x 8" deep.
3. Lane mark, typical, 3" wide x 8" deep.
4. Typical stripe, 2" wide, white acrylic latex paint. See Horizontal Layout Plan, sheet 7 for location.
5. Concrete sidewalk - see detail 4/11.
6. Concrete edge - see detail 4/8 and detail 2/10 for scoring pattern.
7. 4" concrete slab - see detail 2/10 for scoring pattern. No Davis color in this area. Smooth concrete surface within court area.

1 3/4 BASKETBALL COURT - LAYOUT PLAN

Scale: 1" = 20'



CONSTRUCTION NOTES

1. Basketball goal, see Site Amenities Legend, sheet 11.
2. Provided building paper between post and slab.
3. Edge of court, see details 3/8 and 4/8.
4. Out-of-bounds line, see detail 1/8.
5. Concrete basketball court, 4,000 psi., see detail 3/8.
6. Concrete footing, 4,000 psi.
7. #5 rebar, 2'-10" length, 1 of 12 equally spaced around perimeter of fcoting.
8. #3 rebar tie, typical of 4.
9. 8x8x16 CMU block.
10. Compacted subgrade.

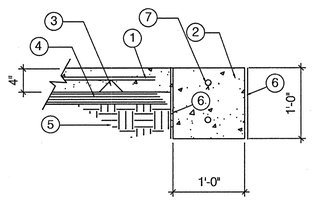
2 BASKETBALL GOAL

Scale: 1/2" = 1'-0"

3 (NOT USED)

CONSTRUCTION NOTES

1. 6x6, 10x10 WWM
2. 4,000 psi concrete.
3. 2" chair
4. Leveling course of fine grade material.
5. Existing subgrade.
6. Expansion Joint.
7. (2) #4's, cont. in 4000 psi concrete header

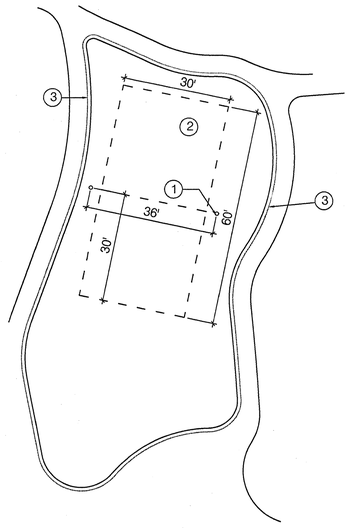


4 CONCRETE EDGE AT COURT

Scale: 1" = 1'-0"

CONSTRUCTION NOTES

1. Net post, typical of 2 - see detail 6/8 and Site Amenities Legend, sheet 11. See Horizontal Layout Plan, sheet 7 for location.
2. Court to be 12" depth masonry sand.
3. Concrete sidewalk w/turndown - see COA detail 2728.

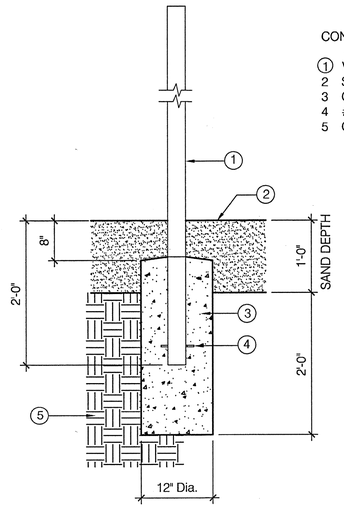


5 VOLLEYBALL COURT - LAYOUT

Scale: 1" = 20'

CONSTRUCTION NOTES

1. Volleyball post - see Site Amenities Legend, sheet 11.
2. Sand finish grade.
3. Concrete footing, 4,000 psi.
4. #4 rebar. 4" length.
5. Compacted subgrade.



6 VOLLEYBALL POST

Scale: 1" = 1'-0"

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
INSPECTIONS
ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEERS SEAL

NO. | DATE | REMARKS
REVISIONS
DESIGN — DATE 6/99 — DESIGNED BY SM
DRAWN BY BV — DATE 6/99
CHECKED BY SM — DATE 6/99

FOR INFORMATION ONLY

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e-mail: cp@consensusplanning.com

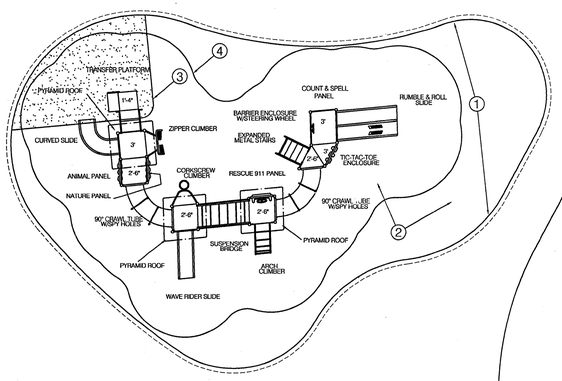
CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
LANDSCAPE ARCHITECTURE & CONSTRUCTION SERVICES

TITLE: PARKWEST PARK IMPROVEMENTS

SITE DETAILS - BASKETBALL/VOLLEYBALL

Design Review Committee: APPROVED JUL 22 1999 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED JUL 27 1999 CITY ENGINEER
Last Design Update — No. / Day / Yr. — No. / Day / Yr.

City Project No. 573592 | Zone Map No. H-9 | Sheet 8 of 16



NOTE: Install all equipment per manufacturer's specifications.

north

CONSTRUCTION NOTES

1. 18" concrete turndown, see COA Detail 2728.
2. 12" depth brick sand.
3. Poured accessible surface, see Equipment List.
4. Manufacturer's specified fall zone.

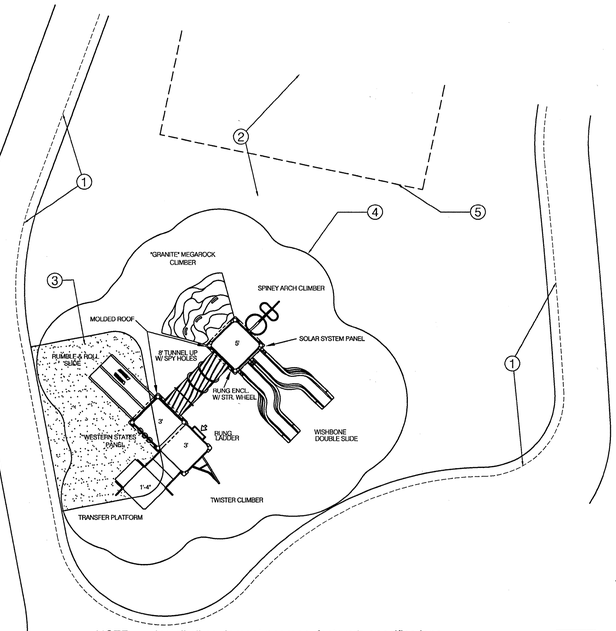
Equipment List

Quantity		Item No.	Description
4	*	13300	36" Square Expanded Metal Deck (Tot)
2	*	13301	36" Tri Deck (Tot Time)
1	*	13302	Rectangular Expanded Metal Deck
20	*	13323	3 1/2" Upright Assembly Aluminium 8'
1	*	13364	36" Transfer Platform 3' Deck
1	*	13377	3' - 0" Zipper Attachment
1	*	13376	2' - 6" /3' - 0" Corkscrew
1	*	13435	Rescue 911 Panel
1	*	13352	2' - 6" Stairs
1	*	13462	Barrier Enclosure with Steering Wheel
1	*	13426	Count and Spell Panel (Tot)
1	*	13525	Rumble and Roll (Tot Time)
1	*	13439	Tic-Tac-Toe Enclosure (Tot Time)
2	*	13417	90 Degree Crawl Tube with Ports
3	*	13330	Roof Package (Tot Time)
1	*	13371	2' - 6" /3' - 0" Arch Climber
1	*	13402	Suspension Bridge
1	*	13496	Straight Tot Slide (Tot Time)
1	*	13449	Nature Panel
1	*	13448	Animal Panel
1	*	13497	Curved Tot Slide (Tot Time)
1	*	13477	6" Barrier
(per plan)			EPDM Safety Surfacing**

* Color shall be per 'Play Palette' Color Scheme: 'Primary'.
** Accessible surface shall be a poured-in-place rubber with a 1/2" EPDM as the wear course. Thickness of surface shall comply with proper fall heights. Color will be 50% black and 50% tan. See Horizontal Geometry Plan, sheet 7, for location.

1 CHILDREN'S PLAY AREA (2-5)

Scale: 1/8" = 1' - 0"



NOTE: Install all equipment per manufacturer's specifications.

north

CONSTRUCTION NOTES

1. 18" concrete turndown, see COA Detail 2728.
2. 12" depth brick sand.
3. Poured accessible surface, see Equipment List.
4. Manufacturer's specified fall zone.
5. Volleyball court limits.

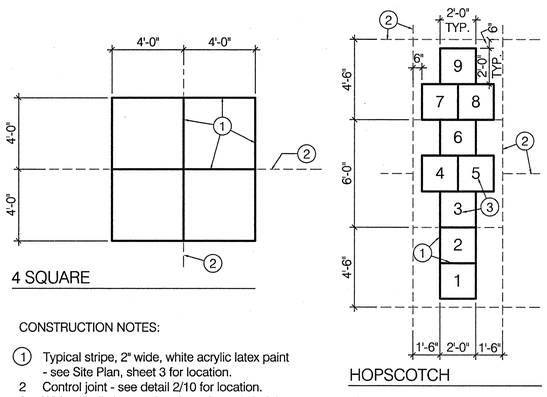
Equipment List

Quantity		Item No.	Description
3	*	10000	49" Square Expanded Metal Deck
4	*	10131	11' Upright Assembly (Aluminium)
3	*	10129	9' Upright Assembly (Aluminium)
1	*	10267	3' Transfer Platform
1	*	10406	Western States Panel
1	*	10203	3' Rumble and Roll Slide
2	*	10003	Molded Dome Roof
1	*	10598	8' - 0" Tunnell-Up 30"
1	*	10725	"Granite" Megarock
1	*	10663	5' - 0" Spiney Arch Climber
1	*	10417	Solar System Panel
1	*	10498	Wishbone Double Slide
1	*	10111	Above and Below Rung Enclosure
1	*	10051	3' / 4' Rung Access
1	*	10688	3' - 0" / 3' -6" Twister Climber
(per plan)			EPDM Safety Surfacing**

* Color shall be per 'Play Palette' Color Scheme: 'Primary'.
** Accessible surface shall be a poured-in-place rubber with a 1/2" EPDM as the wear course. Thickness of surface shall comply with proper fall heights. Color will be 50% black and 50% tan. See Horizontal Geometry Plan, sheet 7, for location.

2 CHILDREN'S PLAY AREA (5-12)

Scale: 1/8" = 1' - 0"

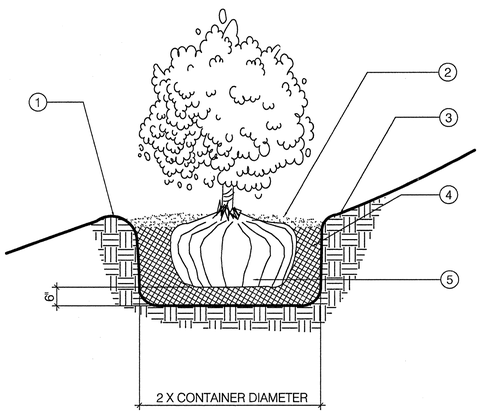


CONSTRUCTION NOTES:

1. Typical stripe, 2" wide, white acrylic latex paint - see Site Plan, sheet 3 for location.
2. Control joint - see detail 2/10 for location.
3. White acrylic latex painted numbers, 8" height.

3 4 SQUARE/HOPSCOTCH STRIPING PLAN

Scale: 1/4" = 1' - 0"



Notes: A. The water retention basin shall be twice the planting pit diameter
B. The edges of the water retention basin shall be smoothly formed with no obtrusive edges.

CONSTRUCTION NOTES:

1. 4" deep water detention basin.
2. Mulch per Planting Plan, sheet 14.
3. Original grade of slope.
4. Specified planting mix - water and tamp to remove air pockets.
5. Rootball.

4 SHRUB PLANTING ON SLOPE

Scale: 1/2" = 1' - 0"

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
INSPECTION BY — DATE
AS-BUILTING BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES BY — DATE
NO.

ENGINEERS SEAL
STATE OF NEW MEXICO — REGISTERED — SUZANNE M. LABORITER — LANDSCAPE ARCHITECT
7/16/99

NO.	DATE	REMARKS
		REVISIONS
		DESIGN — DATE 6/99 — BY
		DESIGNED BY SM — DATE 6/99
		DRAWN BY BV — DATE 6/99
		CHECKED BY SM — DATE 6/99

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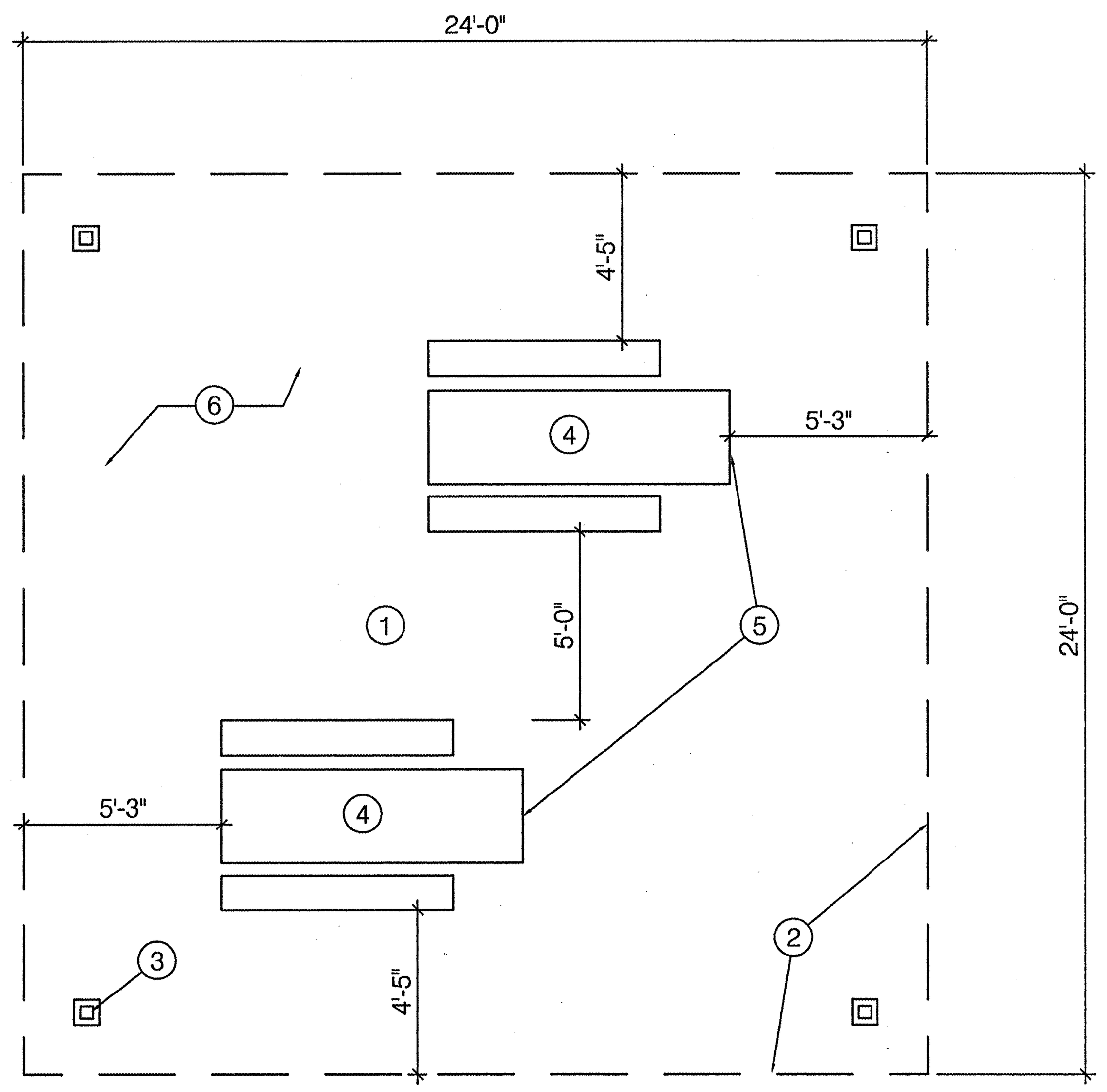
CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
LANDSCAPE ARCHITECTURE & CONSTRUCTION SERVICES

TITLE: PARKWEST PARK IMPROVEMENTS
SITE DETAILS - PLAY AREA LAYOUT

Design Review Committee: APPROVED JUL 22 1999 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED JUL 29 1999 CITY ENGINEER
Last Design Update: No. / Day / Yr.

City Project No. 573592 | Zone Map No. H-9 | Sheet 9 of 16

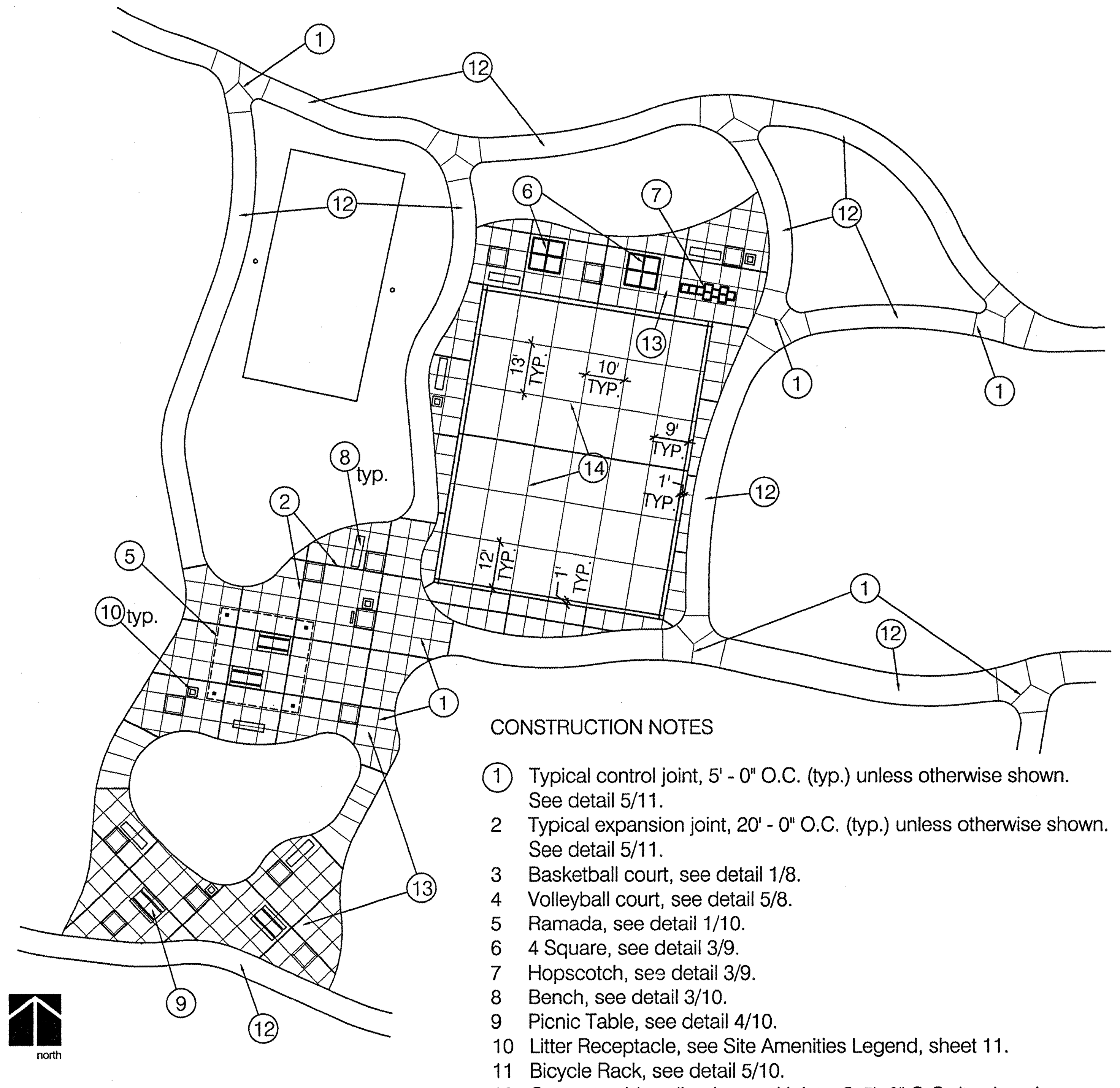


CONSTRUCTION NOTES

1. Picnic Ramada - see Site Amenities Legend, sheet 11. Install per manufacturer's recommendation.
2. Approximate roof line.
3. Approximate column location - typ.
4. Picnic table - see detail 4/10.
5. 'Accessible' end of table.
6. 4" concrete slab - see detail 2/10 for scoring pattern.

1 RAMADA DETAIL

Scale: 1/4" = 1'- 0"

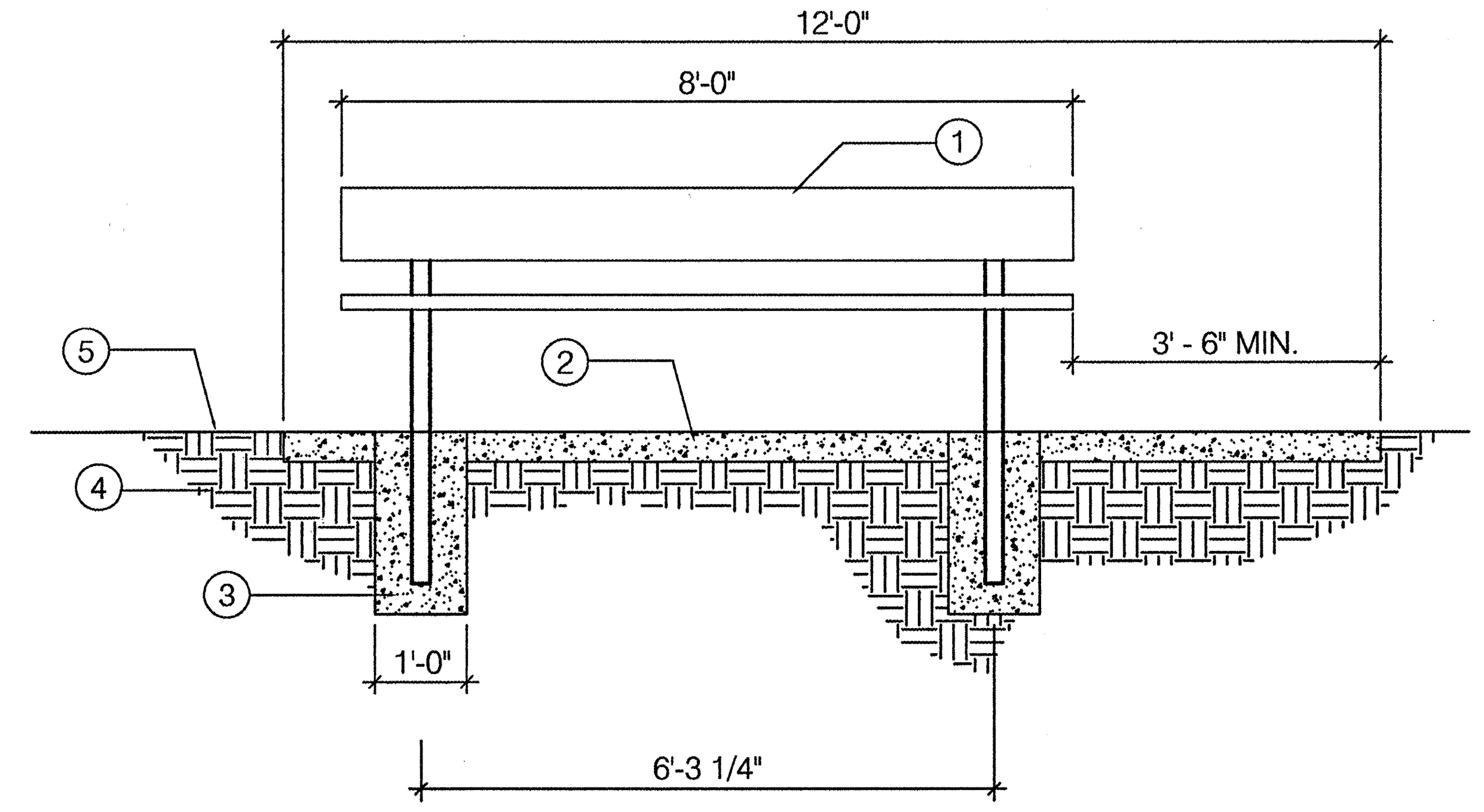


CONSTRUCTION NOTES

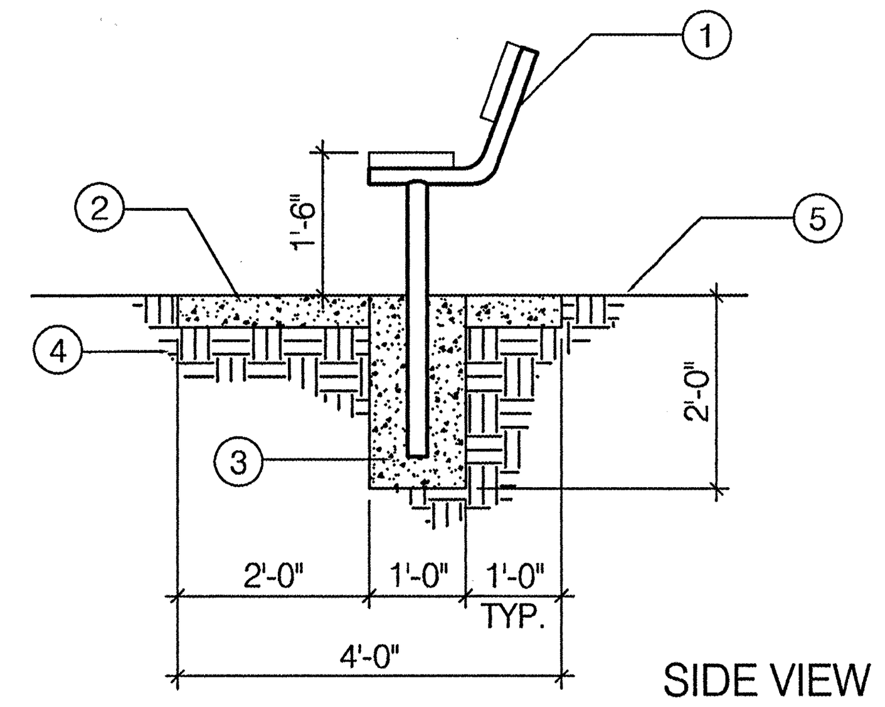
1. Typical control joint, 5' - 0" O.C. (typ.) unless otherwise shown. See detail 5/11.
2. Typical expansion joint, 20' - 0" O.C. (typ.) unless otherwise shown. See detail 5/11.
3. Basketball court, see detail 1/8.
4. Volleyball court, see detail 5/8.
5. Ramada, see detail 1/10.
6. 4 Square, see detail 3/9.
7. Hopscotch, see detail 3/9.
8. Bench, see detail 3/10.
9. Picnic Table, see detail 4/10.
10. Litter Receptacle, see Site Amenities Legend, sheet 11.
11. Bicycle Rack, see detail 5/10.
12. Concrete sidewalk w/ control joints @ 5'- 0" O.C. (typ.) and expansion joints @ 20'- 0" O.C. (typ.). See details 3/11 and 5/11.
13. Alternate direction of broom finish throughout this area.
14. Cold key control joint, typical in court area.

2 SCORING PATTERN DETAIL

Scale: 1" = 30'



FRONT VIEW



SIDE VIEW

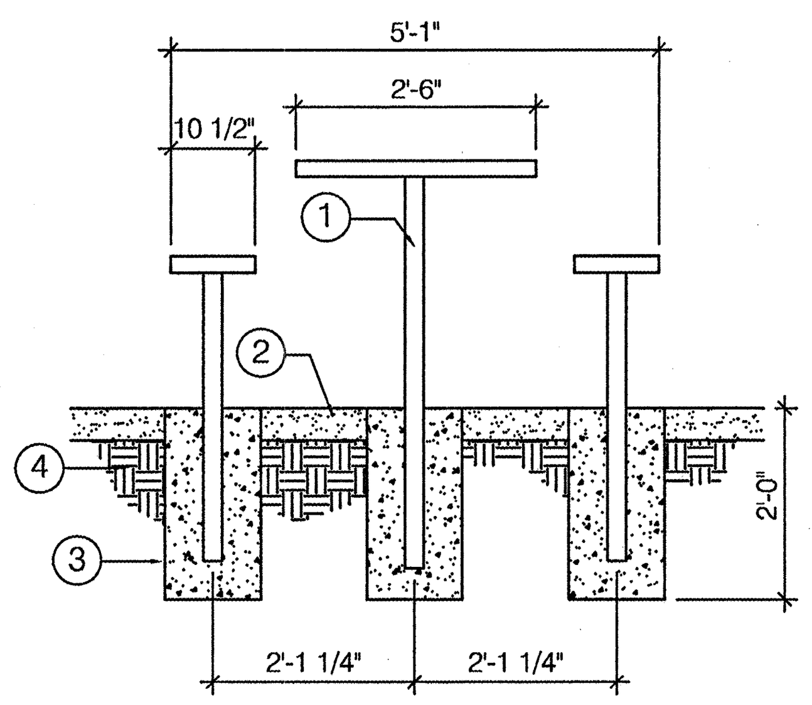
NOTE: Install per manufacturer's specifications.

CONSTRUCTION NOTES:

1. Bench with back - see Site Amenities Legend, sheet 11.
2. Concrete pad, 4,000 psi.
3. Concrete footing, 4,000 psi.
4. Compacted subgrade.
5. Surface treatment - see Planting Plan, sheet 14.

3 BENCH DETAIL

Scale: 1/2" = 1'-0"

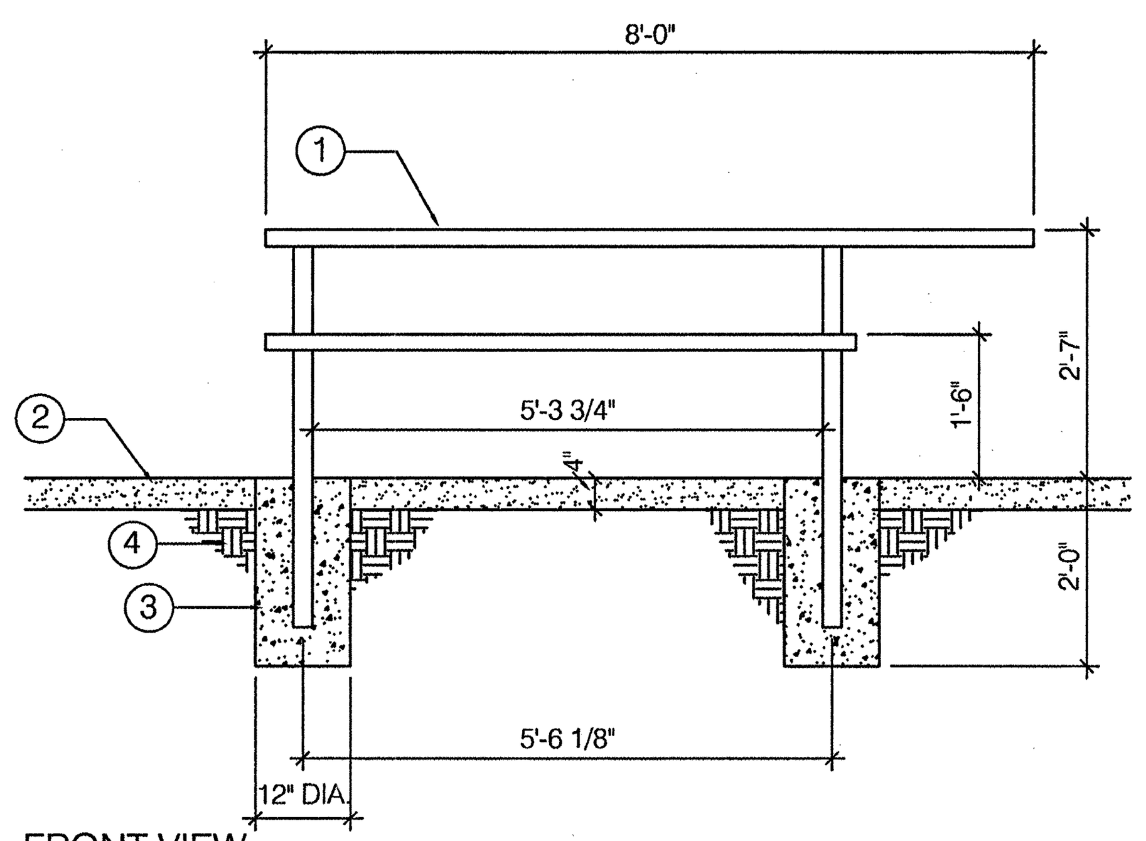


END VIEW

NOTE: Install per manufacturer's specifications.

CONSTRUCTION NOTES

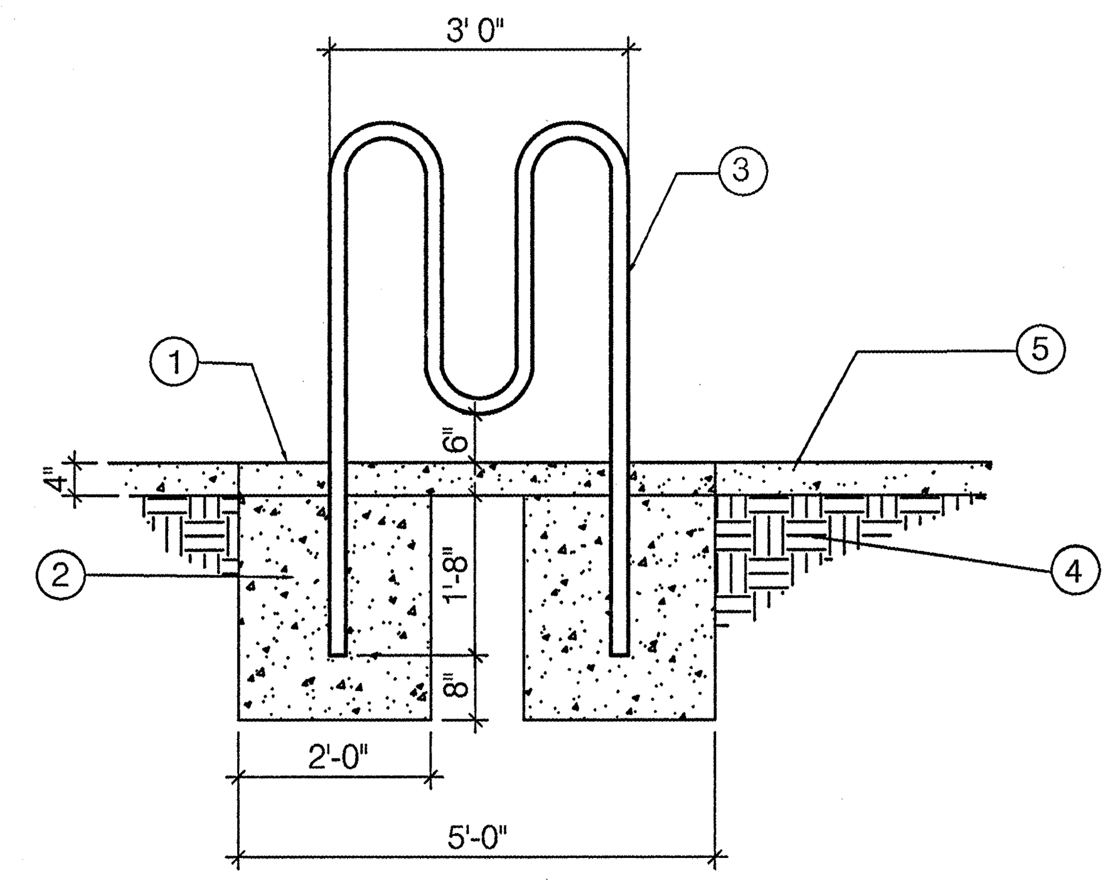
1. Handicap accessible picnic table - see Site Amenities Legend, sheet 11.
2. 4" concrete slab w/ medium broom finish, 4,000 psi.
3. Concrete footing, 4,000 psi.
4. Compacted subgrade.



FRONT VIEW

4 PICNIC TABLE DETAIL

Scale: 1/2" = 1'-0"



CONSTRUCTION NOTES

1. Concrete pad w/ medium broom finish, 4,000 psi.
2. Concrete footing, 4,000 psi.
3. Bicycle rack - see Site Amenities Legend, sheet 11.
4. Compacted subgrade.
5. Surface treatment - see Planting Plan, sheet 14.

5 BICYCLE RACK DETAIL

Scale: 1/2" = 1' - 0"

6 (NOT USED)

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEERS SEAL

REVISIONS
NO. | DATE | REMARKS | BY

DESIGN
DESIGNED BY SM DATE 6/99
DRAWN BY BV DATE 6/99
CHECKED BY SM DATE 6/99

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CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
LANDSCAPE ARCHITECTURE & CONSTRUCTION SERVICES

TITLE: PARKWEST PARK IMPROVEMENTS
SITE DETAILS - MISCELLANEOUS

Design Review Committee: APPROVED JUL 22 1999 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED JUL 23 1999 CITY ENGINEER
Last Design Update

City Project No. 573592 | Zone Map No. H-9 | Sheet 10 of 16

Site Amenities Legend

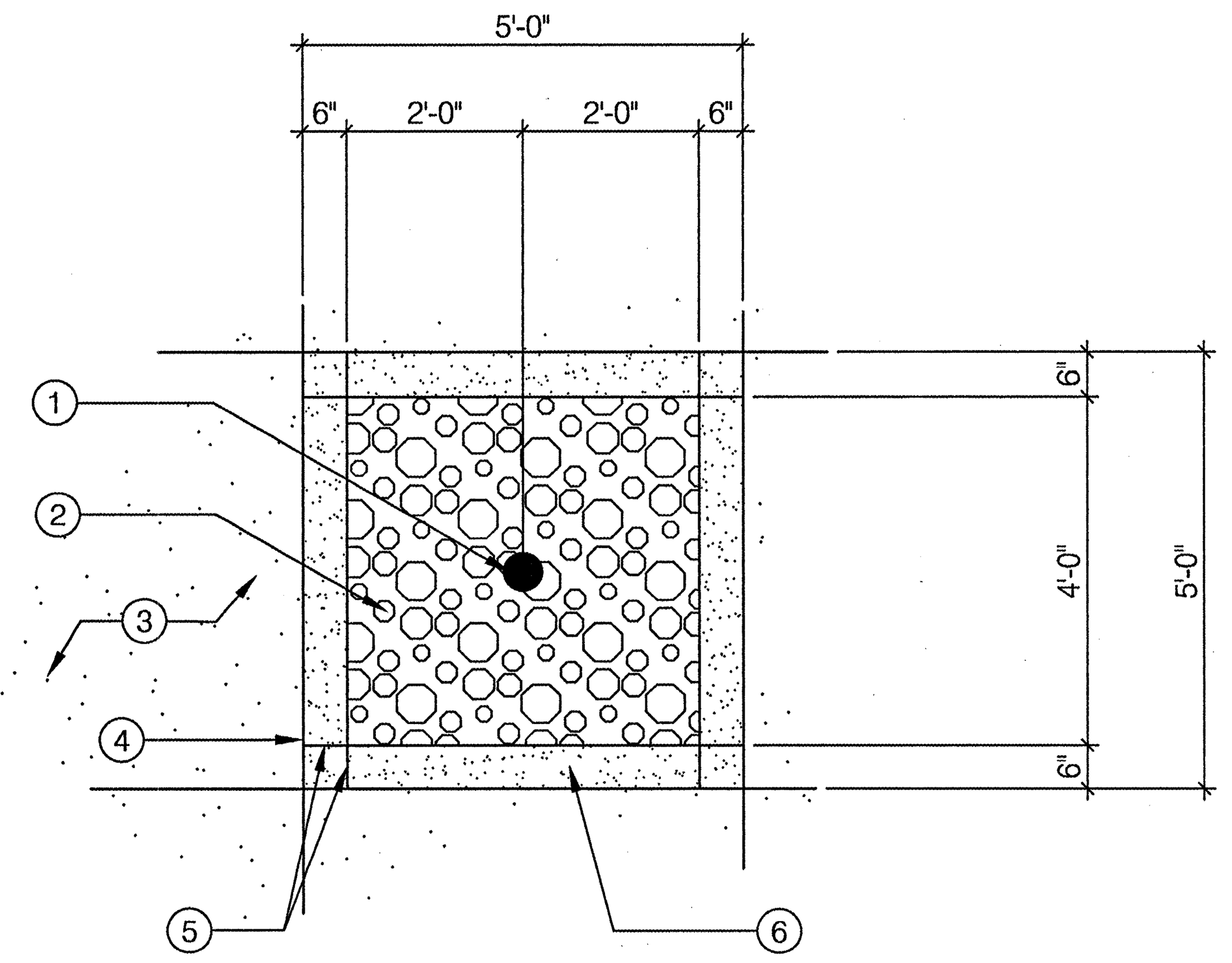
QUANTITY	MANUFACTURER	MODEL #	DESCRIPTION
1	Poligon	SQ-24M	Metal shade structure w/ pitched roof. Roof Color: Roman Blue. Frame Color: Light Stone.
1	Gametime	7703	Loop bicycle rack. Color: Black.
5	Materials, Inc.	Rinconada	Litter receptacle with dark gray integral color #8084/ Davis Colors.
2	Gametime	460	Cantilevered post w/48" extension.
2	Gametime	854	Cast aluminum fan-shaped backboard.
2	Gametime	664	Super goal, std. w/nylon net.
1	Gametime	137	Volleyball posts, inground mounted.
9	Webcoat	B8WBRCS	8' Bench with back, Color: Red.
4	Webcoat	TBSTDHDCPS	8' Picnic Table, inground mounted. Color: Red.

Manufacturer Representatives

Materials, Inc.
1-505-867-9035

Leisure Design Systems, Inc.
1-800-543-2232

Poligon
Webcoat
Gametime

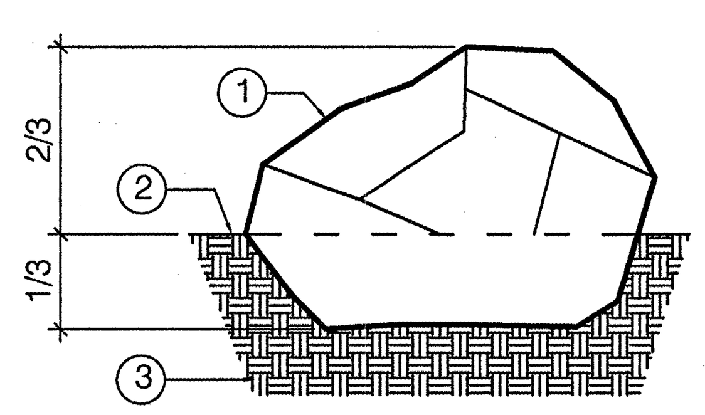


CONSTRUCTION NOTES:

1. Tree center - see Planting Plan, sheet 14.
2. 2" depth cobbles, 2"-4" diameter.
3. Concrete slab - see Site Plan, sheet 3.
4. Expansion joint - typ. See detail 4/11.
5. Control joint - typ. See detail 4/11.
6. 4" depth, 4,000 psi concrete, medium broom finish on 95% compacted subgrade.

1 TREE PLANTER DETAIL

Scale: 1/2" = 1' - 0"



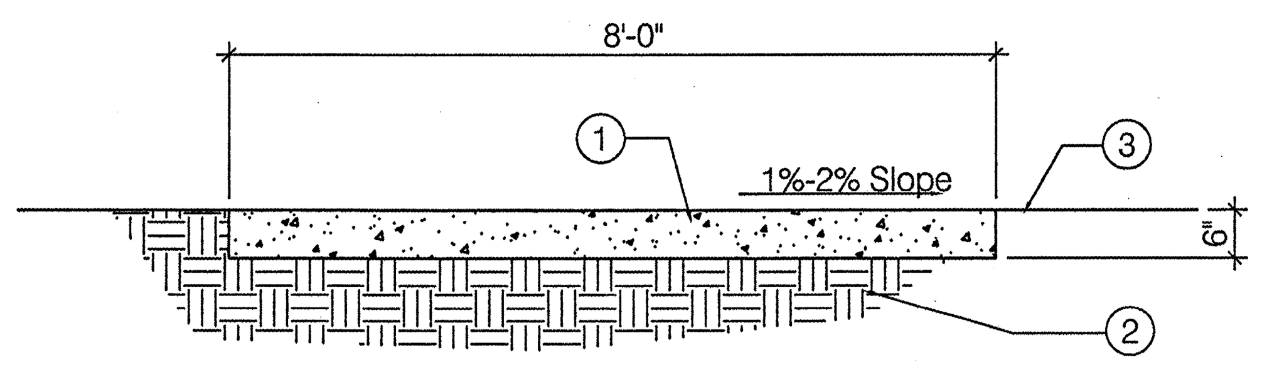
CONSTRUCTION NOTES

1. Landscape boulder, 3' min. dimension in each direction.
2. Surface treatment, see Landscape Plan, sheet 14.
3. Compacted subgrade.

Note: Boulders to be moss rock or as approved by Owner's Representative.

2 LANDSCAPE BOULDER

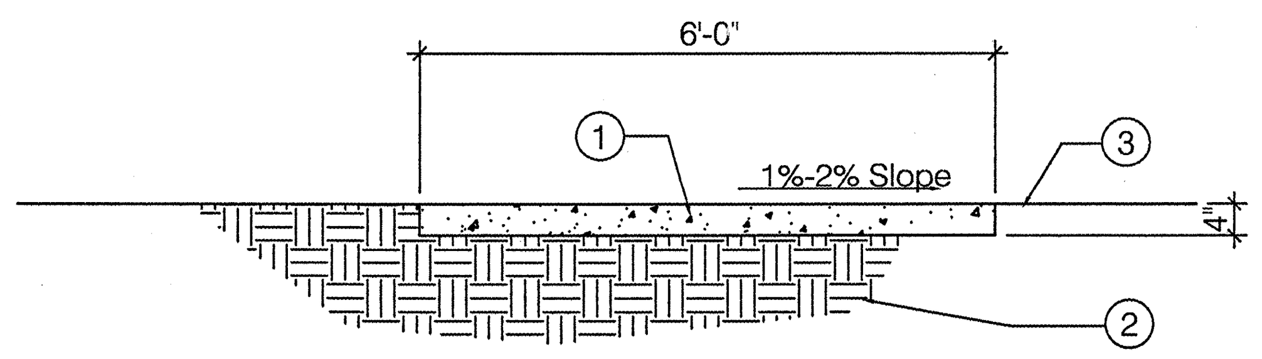
Scale: 1/2" = 1'-0"



THICKENED 8' CONCRETE WALK

CONSTRUCTION NOTES:

1. 4,000 psi concrete, medium broom finish perpendicular to traffic flow and 4" trowelled edge. Unless otherwise noted, control joints shall be @ 5'-0" and expansion joints shall be @ 20'-0". See details 4/11 and 2/10.
2. Compacted subgrade.
3. Surface treatment - see Landscape Plan, sheet 14.



6' CONCRETE WALK

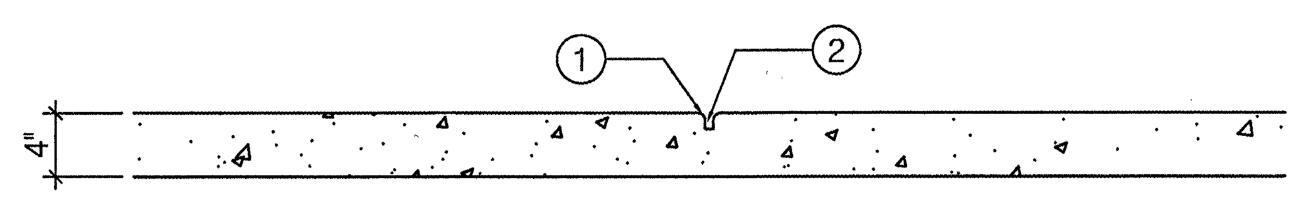
3 CONCRETE SIDEWALKS

Scale: 1/2" = 1'-0"

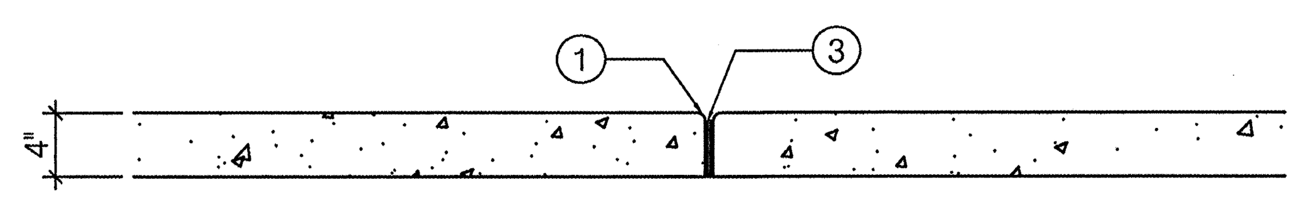
CONSTRUCTION NOTES:

1. 1/2" radius - typ.
2. 1/2" X 1" tooled joint.
3. 1/2" felt expansion joint material w/ polyurethane sealant.

NOTE: Expansion joint material shall be flush to 1/8" below top of slab.



Control Joint



Expansion Joint

4 CONCRETE JOINTS

Scale: 1" = 1'-0"

FOR INFORMATION ONLY

AS BUILT INFORMATION
CONTRACTOR | DATE
WORK STARTED BY | DATE
INSPECTOR'S ACCEPTANCE BY | DATE
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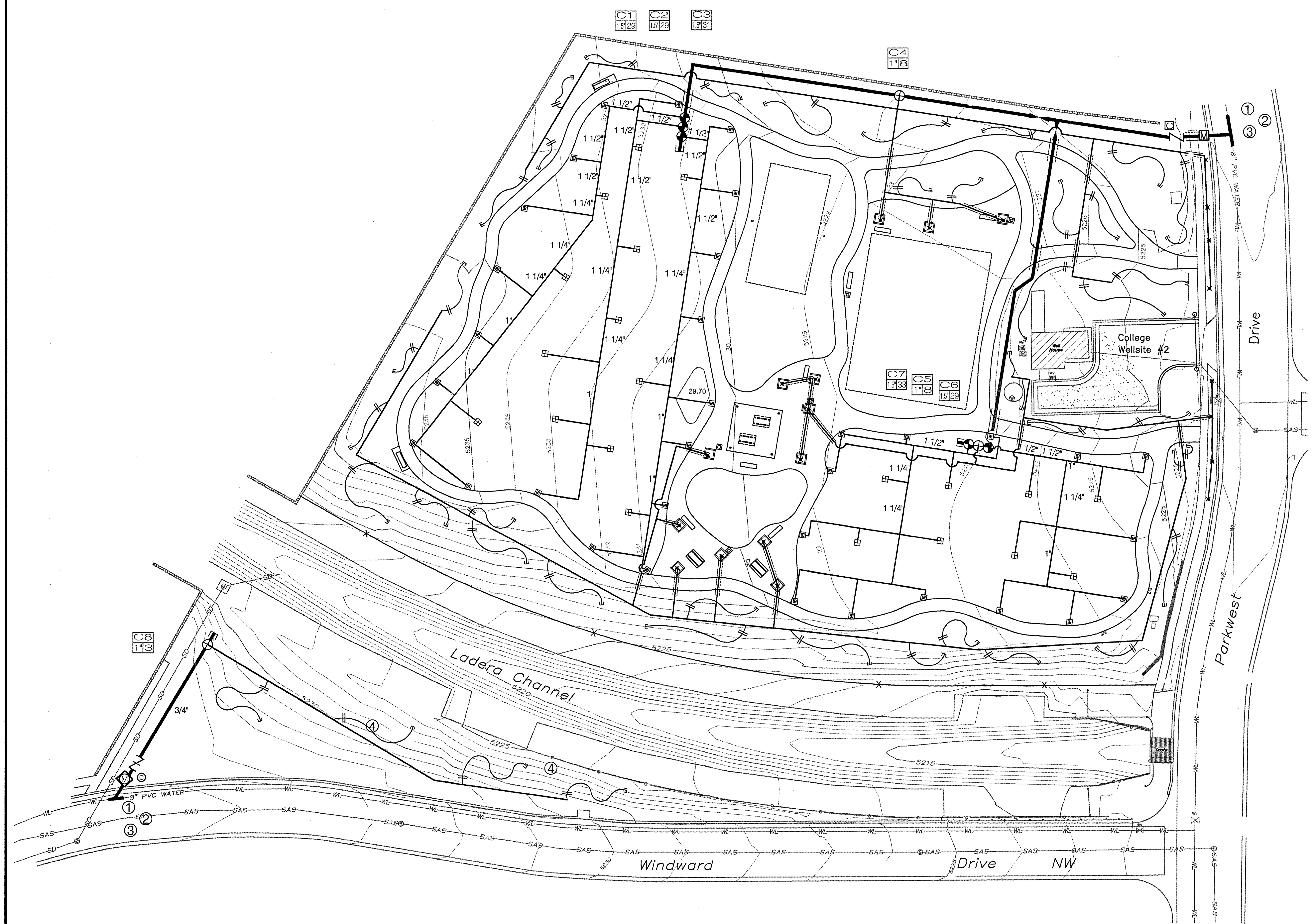
City Project No. 573592 | Zone Map No. H-9 | Sheet 11 of 16



GENERAL IRRIGATION NOTES

1. The system design assumes a minimum static pressure of 65 PSI at the 1 1/2-inch point-of-connection. The irrigation contractor shall verify pressure and flow on site prior to construction.
2. The irrigation contractor shall become thoroughly familiar with the specifications for this and related work prior to construction.
3. The irrigation contractor shall determine the exact location of underground utilities and electrical wiring prior to construction.
4. The irrigation contractor shall not install the sprinkler system when it is obvious in the field that obstructions or grade differences exist that might not have been considered in the engineering, or if the discrepancies in construction details, legend, notes, or specifications are discovered. All such obstructions or discrepancies shall be brought to the attention of the Owner's Representative.
5. The drawings are diagrammatic. In some cases, irrigation components may be shown outside of planting areas for clarity. The irrigation contractor shall avoid any conflicts between the irrigation system, planting materials, and above ground utilities. Irrigation pipe and wiring shall be installed in landscaped areas whenever possible.
6. All irrigation components shall be installed in accordance with section 1001-Landscape Irrigation System, and referenced details contained within the City of Albuquerque standard specifications manual, latest edition.
7. Per the Albuquerque Water Conservation Landscaping and Water Waste Ordinance, the irrigation contractor shall have an irrigation audit performed by an authorized irrigation auditor certified by the Irrigation Association. Contact Park Management at least 24 hours prior to audit at 857-8650. The irrigation contractor shall submit four (4) copies of the audit results to the Owner's Representative for distribution. The contractor shall not seed or sod any turf areas until the water audit has been performed and approved by the Water Resources Department.
8. Scorpio units to operate as remote units to an Irrinet remote-ready controller located at Rinconada Point Park with proper frequency installed by a certified Motorola service facility. Coordinate with Tom Ellis at Park Management at 857-8650.

IRRIGATION CONSTRUCTION NOTES

① Irrigation point-of-connection. Tap existing 8" PVC waterline and install 1 1/2" and 3/4" meter per City of Albuquerque Details and Specifications.
② Controller location - see Irrigation Legend. Final location shall be coordinated in the field with the Owner's Representative. See details 3/13 for electrical service connection locations.
③ Backflow Preventer/Master Valve - see Irrigation Legend. Final location shall be coordinated in the field with the Owner's Representative.
④ Contractor shall minimize disturbance in this area.

IRRIGATION EQUIPMENT SCHEDULE

SYMBOL	DESCRIPTION
M	Meter: 1 1/2" Turbo
◈	Meter: 3/4" Turbo
===	Sleeving: Class 200 PVC (2 sizes larger than pipe to be sleeved)
	Backflow Prevention Assembly: Febco 825Y, 1 1/2" Bronze Backflow Prevention Assembly w/ heat tape and 'Hot Box' enclosure and Multi-Jet Master Meter Unit (1 1/2") w/ Master Valve (COA Detail 2701). Power for heat tape shall be from circuit located in Well House.
	Backflow Prevention Assembly : Febco 765, 3/4" Pressure Vaccum Breaker Backflow Preventer w/ Multi-Jet Master Meter Unit (3/4") w/ Master Valve (COA Detail 2702-A)
———	Irrigation Mainline: Schedule 40 Bell End PVC, 28" Depth, 1 1/2" unless otherwise noted
———	Lateral Pipe: Schedule 40 PVC, 18" Depth, 3/4" unless otherwise noted
	Isolation Valve Assembly: Matco 10RT Series Gasket Iron Body Gate Valve w/ 1 1/2" Nut - Mainline Size (COA Detail 2707).
	Automatic Valve Assembly: Rain Bird PEB-PRS-B Series w/ Flow Control and Manual Activation, size as indicated on plans (COA Detail 2703)
	Rotor Pop-Up Sprinkler Assembly: Hunter I-20 Series (COA Detail 2709) #2 Nozzle (Adjustable), 38' Radius, 2.0 GPM @ 50 PSI, .4"/hr. Precipitation Rate #4 Nozzle (360°), 43' Radius, 4.2 GPM @ 50 PSI, .4"/hr. Precipitation Rate
⊕	Automatic Drip Valve Assembly: Rain Bird PEB Series, Rain Bird RBY-100-200MX Wye Filter, and Rain Bird PSI-M30X Pressure Regulator (COA Detail 2709-A)
✱	(1) Rain Bird Xeri-Bird 8, Multi-Outlet Pressure Compensating Emmission Device at trees in square planters. and at street trees along Parkwest Drive.
	Drip Irrigation Tubing, as needed: 1/2" Polyethylene Pipe, 6" depth min., 36' length max., w/Compression Fittings and Flush Cap. Connection to PVC Lateral and Flush Caps shall be placed in 6" Valve Box. 1/4" Barb Connectors and 1/4" Distribution Tubing as needed. Tubing shall be pinned every 4'.
	Xeri-Bug Emitters as Defined Below w/ 1/4" Distribution Tubing pinned at each plant: Trees - (4) 2 GPH Xeri-Bug XB-20 Emitters per tree Shrubs - (2) 1 GPH Xeri-Bug XB-10 Emitters per shrub
Ⓒ	Irrigation Controller: MIR5000 Scorpio Unit, M5S-1S-S (8 Station), in Stainless Steel Enclosure w/ Dome Antenna and Hitney 10 watt Solar Panel, SM10, w/ mounting bracket and 12 amp hour battery.
C	Irrigation Controller: MIR5000 Scorpio Unit, M5S-2S-S (16 Sta.), in Stainless Steel Enclosure w/ Dome Antenna & Hitney 10 watt Solar Panel, SM10, w/ mounting bracket & 12 amp hour battery.

C2 / 1" 12:
- Indicates Controller and Station Number
- Indicates Lateral Discharge in GPM
- Indicates Remote Control Valve Size in Inches

15 0 30 60

north

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CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
LANDSCAPE ARCHITECTURE & CONSTRUCTION SERVICES

TITLE: PARKWEST PARK IMPROVEMENTS
IRRIGATION PLAN, NOTES & LEGEND

Design Review Committee — APPROVED JUL 22 1999 — DESIGN REVIEW COMMITTEE
City Engineer Approval — APPROVED JUL 23 1999 — CITY ENGINEER
Last Design Update

City Project No. 573592 | Zone Map No. H-9 | Sheet 12 of 16

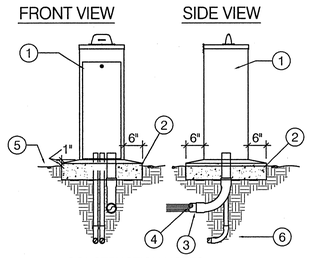
AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEERS SEAL

REMARKS
REVISIONS
DESIGN
NO. | DATE | BY
DESIGNED BY SM — DATE 6/99
DRAWN BY BV — DATE 6/99
CHECKED BY SM — DATE 6/99

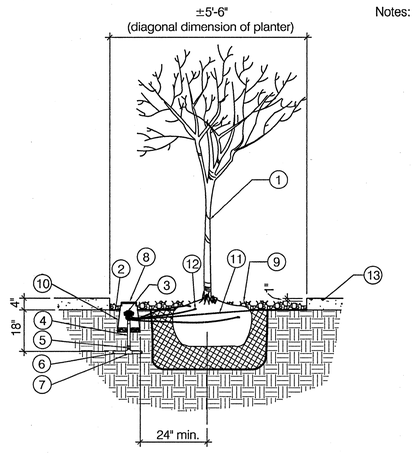


CONSTRUCTION NOTES:

1. Irrigation controller with pedestal. See Irrigation Legend, sheet 12. Install per manufacturer's standards.
2. 4,000 psi concrete base. 6" minimum thickness. All edges shall be tooled with 1/2" radius.
3. 4" rigid PVC long sweep ell extend 12" beyond concrete base.
4. 24-volt wires from controller to automatic valves. See specifications.
5. Finish grade.
6. 120 volt service in conduit, per N.E.C.

1 PEDESTAL CONTROLLER

SCALE: 1/2" = 1' - 0"



Notes:
A. Lateral line pressure testing shall be completed prior to installation of flex pipe assembly. Lateral line testing shall be accomplished by installing a plug in the outlet of lateral line tees and ells.
B. Tree shall be planted in center of planter.

CONSTRUCTION NOTES:

1. Tree.
2. Finish grade.
3. Xeri-bird 8 multi-outlet emitter, see Irrigation Plan, sheet 12.
4. Schedule 40 PVC nipple.
5. Schedule 40 PVC threaded coupler.
6. Schedule 40 PVC lateral pipe, see Irrigation Plan, sheet 12.
7. Schedule 40 PVC tee or ell.
8. Top of emitter box lid level with top of mulch or max. 1" above top of mulch. See detail 1/11 for type of mulch.
9. Mulch - see detail 1/11 for type of mulch.
10. Xeri-bird subterranean emitter box, model # SEB-6X.
11. 1/4" vinyl distribution tubing to be placed, 4 around tree.
12. Xeri-bird diffuser bug cap model # DBC-025.
13. Concrete planter - see detail 1/11.

2 MULTI-OUTLET EMITTER DETAIL

SCALE: 1/2" = 1' - 0"

Valve Legend

Valve #	Head Type	Nozzle	Valve Size	GPM
C1	I-20	#2, #4	1.5"	29
C2	I-20	#2, #4	1.5"	29
C3	I-20	#2, #4	1.5"	31
C4	xeri-bird	XB-10/20	1"	10
C5	xeri-bird	XB-10/20	1"	12
C6	I-20	#2, #4	1.5"	29
C7	I-20	#2, #4	1.5"	33
C8	xeri-bird	XB-10/20	1"	3
C9	Master Valve	N/A	1.5"	-

Irrigation Schedule

Program	Valves	PR Calc.	Run Time	Cycles	Total GPM	Remarks
1	C4, C5, C8	-	120 min.	1	25	drip valves
2	C1	.42"/hr.	72 min.	1	29	-
3	C2	.42"/hr.	72 min.	1	29	-
4	C3	.42"/hr.	72 min.	1	31	-
5	C6	.42"/hr.	72 min.	1	29	-
6	C7	.42"/hr.	72 min.	1	33	-

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY DATE
INSPECTOR'S ACCEPTANCE BY DATE
AS-BUILTED BY DATE
VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEERS SEAL
STATE OF NEW MEXICO
JULIE M. JAMES
REGISTERED LANDSCAPE ARCHITECT
251
7/9/99

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY SM	DATE 6/99
		DRAWN BY BV	DATE 6/99
		CHECKED BY SM	DATE 6/99

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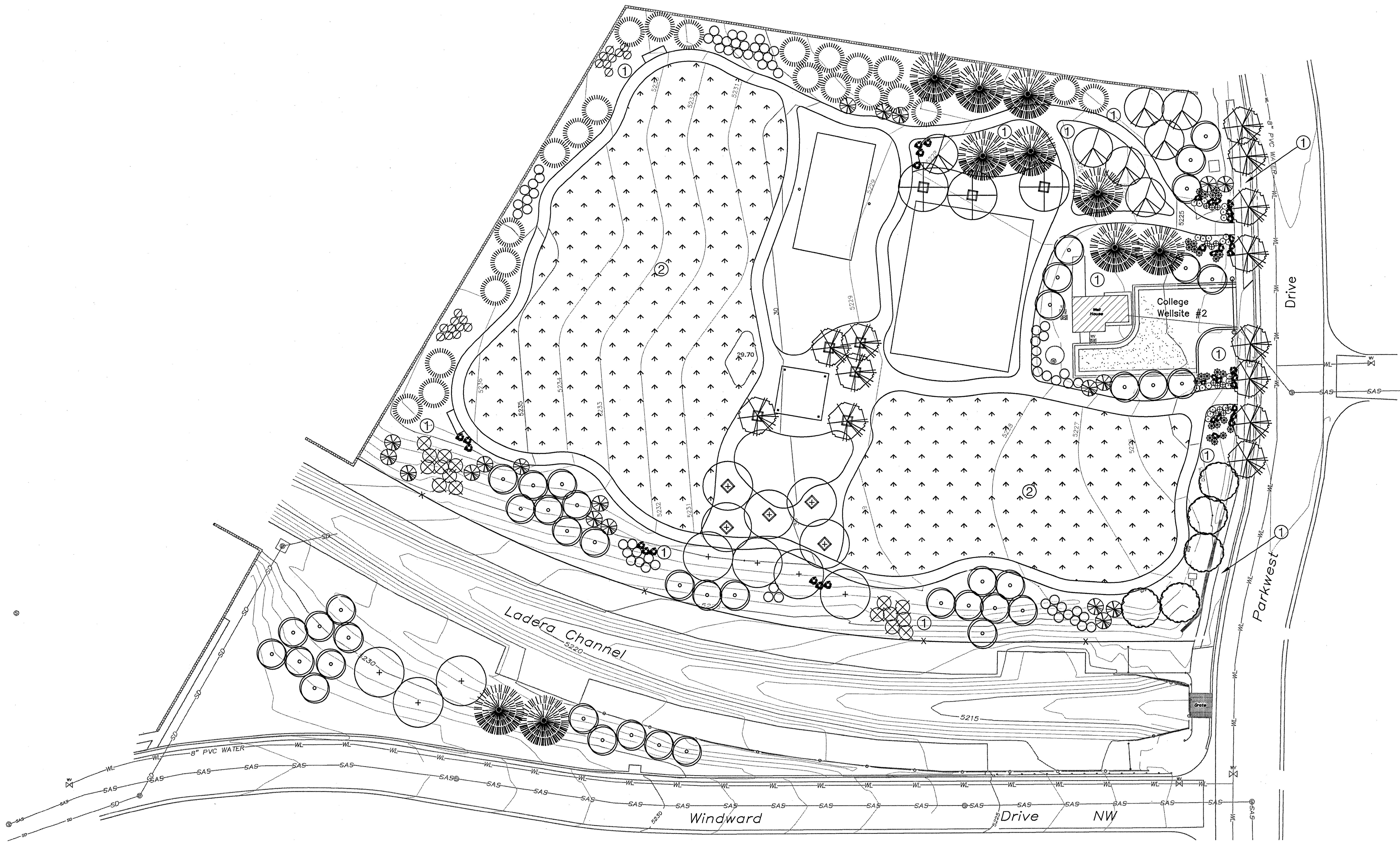
CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
LANDSCAPE ARCHITECTURE & CONSTRUCTION SERVICES

TITLE: PARKWEST PARK IMPROVEMENTS
IRRIGATION NOTES/DETAILS

Design Review Committee: APPROVED JUL 22 1999 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED JUL 26 1999 CITY ENGINEER

Last Design Update: No. / Day / Yr.

City Project No. 573592 | Zone Map No. H-9 | Sheet 13 of 16



GENERAL LANDSCAPE NOTES

1. Prior to beginning work on the project, the Landscape Contractor shall review the project in the field with the Owner's Representative.
2. If discrepancies occur between the drawings and the site, the Landscape Contractor shall notify the Owner's Representative for clarification prior to proceeding on that portion of work.
3. All planting areas are to have weeds and competitive vegetation removed prior to preparation for planting.
4. All existing plant materials shall be protected during construction. Damaged materials shall be replaced in kind at the Contractor's expense.
5. Plant quantities are provided for Contractor's convenience only, plans shall take precedence.
6. The Owner's Representative shall approve all plant material prior to planting. In addition, the Owner's Representative reserves the right to refuse any plant material deemed unacceptable. The Owner's Representative is to approve any and all substitutions. Contact Jeff Hart, Park Management Division Urban Forester, at 857-8650 for plant inspections.
7. It is the Landscape Contractor's responsibility to locate all underground utilities prior to commencement of planting operations. Verify depth prior to construction.
8. Planting installation shall be in accordance with all City of Albuquerque standard specifications (Section 1005 - Planting) and details 2714, 2715, 2716, and 2717. Mulch shall be as noted in plans, not as noted in COA details.
9. Turf seeding shall be in accordance with City of Albuquerque standard specifications (Section 1011 - Turf Seeding).

LANDSCAPE CONSTRUCTION NOTES

1. Mulch planting area with 3" layer of Santa Ana Tan gravel (3/4") over Mirafi weed control fabric. Submit sample for approval.

2. Chemical fertilizer shall be applied to turf areas prior to seeding at the following elemental weight (pounds) per 1000 square feet:
   - Nitrogen: 2
   - Phosphate: 2
   - Magneseum: 1
   - Elemental Sulfur: 10

   Organic fertilizer of dry aged, weed free steer manure to a depth of 3", or preparation approved by the owner's representative, shall be spread over turf areas prior to rototilling.

   Apply additional 1 lb. Nitrogen per 1000 square feet to turf areas 4 weeks after seeding.

PLANT LEGEND

QUANTITY	SYMBOL	BOTANICAL / COMMON NAME	SIZE	REMARKS	WATER
Trees					
7		Cercis canadensis / Eastern Redbud	15 gallon	1 1/4" cal., 3' min. sprd., 8'-10' ht.	M
42		Chilopsis linearis / Desert Willow	15 gallon	min. 3 trunks, 3/4", 1", 1 1/4" min. cal., 6'-8' ht., 3' min. sprd.	L
5		Cotinus coggygria / Smoketree	15 gallon	1 1/4" cal., 3' min. sprd., 8'-10' ht.	M
23		Cupressocyparis leylandii / Leyland False Cypress	B&B	6'-8' ht.	M
19		Forestiera neomexicana / New Mexico Olive	15 gallon	single trunk, min. 1" cal., 4'-6' ht., 3' min. sprd.	M
12		Fraxinus oxycarpa 'Raywood' / Raywood Ash	24" box	2" cal., 12'-14' ht., 3' min. sprd.	M+
3		Gleditsia triacanthos inermis 'Imperial' / Imperial Honey Locust	24" box	2" cal., 12'-14' ht., 3' min. sprd.	M+
10		Pinus nigra / Austrian Pine	B&B	6'-8' ht.	M
13		Pyrus calleryana 'Bradford' / Bradford Pear	24" box	2" cal., 12'-14' ht., 3' min. sprd.	M+
Shrubs					
24		Artemesia 'Powis Castle' / Powis Castle Sage	1 gallon	6"-12" ht. and sprd., 3' o.c.	L+
65		Chrysothamnus nausecsus / Rubber Rabbitbrush	5 gallon	2'-3' ht. and sprd., 5' o.c.	L
24		Perovskia atriplicifolia / Russian Sage	5 gallon	2'-3' ht. and sprd., 3' o.c.	M
19		Prunus besseyi / Sand Cherry	5 gallon	2'-3' ht. and sprd., 4' o.c.	M
16		Quercus turbinella / Turbinella Oak	5 gallon	2'-3' ht. and sprd., 7' o.c.	M
12		Salvia greggii / Cherry Sage	5 gallon	2'-3' ht. and sprd., 3' o.c.	M

Turf

Turf - Fescue Mix (Curtis & Curtis Football and Playground Mix) — See Specification (Section 1011)

Landscape Boulder - 3' min. dimension in any direction. Total of 25 - See Detail 2/11. Exact location of boulders shall be determined in the field with the Owner's Representative.

FOR INFORMATION ONLY

15 0 30 60 north

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CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
LANDSCAPE ARCHITECTURE & CONSTRUCTION SERVICES

TITLE: PARKWEST PARK IMPROVEMENTS
PLANTING PLAN

Design Review Committee | City Engineer Approval | Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 573592 | Zone Map No. H-9 | Sheet 14 of 16

AS BUILT INFORMATION: CONTRACTOR; WORK STAKED BY / DATE; INSPECTOR'S ACCEPTANCE BY / DATE; FIELD VERIFICATION BY / DATE; DRAWINGS CORRECTED BY / DATE

MICRO-FILM INFORMATION: RECORDED BY / DATE; NO.

BENCH MARKS

SURVEY INFORMATION: FIELD NOTES; NO.; BY; DATE

ENGINEERS SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN: DESIGNED BY SM, DATE 6/99; DRAWN BY BV, DATE 6/99; CHECKED BY SM, DATE 6/99

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 SEPARATE PHASES OF A CONSTRUCTION PROJECT SHALL BE GIVEN AN INDIVIDUAL PERMIT EACH. BLANKET PERMITS WILL NOT BE ISSUED.

3. THESE TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, LANE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.

4. CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.

5. CONSTRUCTION COORDINATION SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY TRAFFIC CONTROL CHANGES NEEDED BY CONTRACTOR, THAT WERE NOT PREVIOUSLY APPROVED. THESE TRAFFIC CONTROL CHANGES SHALL BE REQUESTED IN WRITING ACCOMPANIED WITH A TRAFFIC CONTROL PLAN REFLECTING SUCH CHANGES.

6. ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION, PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

7. THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET-UP SHALL BE BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED WORKSITE TRAFFIC SUPERVISOR. THE MAINTENANCE AND SERVICING SHALL ALSO BE DONE BY AN ATSSA CERTIFIED WORKSITE TRAFFIC SUPERVISOR OR EQUIVALENT.

8. CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT. CONTRACTOR IS RESPONSIBLE THAT ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE MUTCD, LATEST EDITION.

9. ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE ARE MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.

10. ALL BARRICADES IN ALL TAPERS AND TANGENTS SHALL BE PLACED APART, A DISTANCE MEASURED IN FEET, EQUAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY CONSTRUCTION COORDINATION PER MUTCD SECTION 6A-4.

11. ALL WORK IN ARTERIAL ROADWAYS SHALL BE ON A CONTINUOUS 24-HOUR PER DAY BASIS UNTIL COMPLETED.

12. CONTRACTOR IS RESPONSIBLE TO PROVIDE CONSTRUCTION COORDINATION, A WEEKLY LOG OF DAILY INSPECTIONS OF BARRICADE AND MAINTENANCE SCHEDULES ON PROJECTS THAT ARE OVER ONE WEEK DURATION.

13. EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELLED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.

14. CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.

15. CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.

16. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.

17. CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCTION COORDINATION. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE OPAQUE LETTERING ON BLUE REFLECTORIZED BACKGROUND. ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BID AND NOT PART OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSINESSES SHALL BE LISTED ON A ACCESS SIGN. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.

18. ALL ADVANCE WARNING SIGNS SHALL MEET THE MINIMUM REFLECTIVE INTENSITY REQUIREMENTS SET FORTH BY THE CITY OF ALBUQUERQUE. CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

19. 48-HOURS PRIOR TO OCCUPYING OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.

20. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

21. EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.

22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
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.

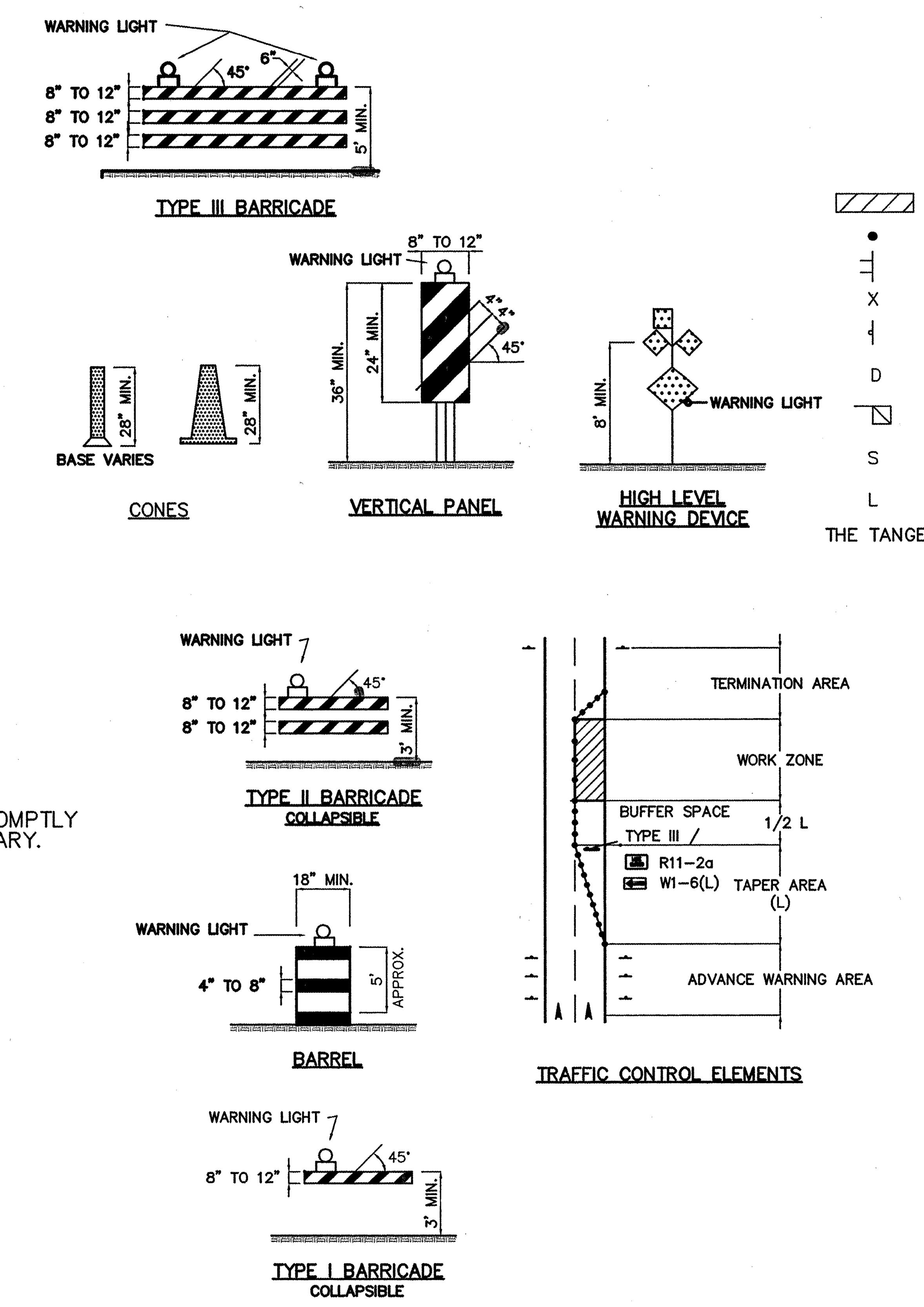
23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

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" WITH SUPER ENGINEERING GRADE SHEETING OR BETTER. MOUNTING HEIGHT AT TOP OF SIGN SHALL BE THE SAME AS FOR A 48-INCH SIGN AS INDICATED IN THE MUTCD.

27. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.



LEGEND

(hatched box)	WORK AREA
●	BARRICADE – TYPE I, TYPE II, OR BARREL
(symbol)	BARRICADE – TYPE III
X	VERTICAL PANEL
(symbol)	WARNING SIGN
D	DISTANCE BETWEEN SIGNS – A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
(symbol)	FLAGMAN POSITION
S	SPACING BETWEEN BARRICADES– A DISTANCE MEASURED IN FEET EQUAL TO THE SPEED LIMIT OF THE STREET
L	TAPER LENGHT – SEE CHART BELOW

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

TAPER REQUIREMENTS

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

RECOMMENDED SIGN SPACING(D) FOR ADVANCE WARNING SIGN SERIES

SPEED MILES PER HOUR	MINIMUM DISTANCE IN FEET BETWEEN SIGNS	MINIMUM DISTANCE IN FEET FROM LAST SIGN TO TAPER
0–20	10 X SPEED LIMIT	10 X SPEED LIMIT
25–30	10 X SPEED LIMIT	10 X SPEED LIMIT
30–35	10 X SPEED LIMIT	10 X SPEED LIMIT
40–45	10 X SPEED LIMIT	10 X SPEED LIMIT
50–60	10 X SPEED LIMIT	10 X SPEED LIMIT

TAPER CRITERIA

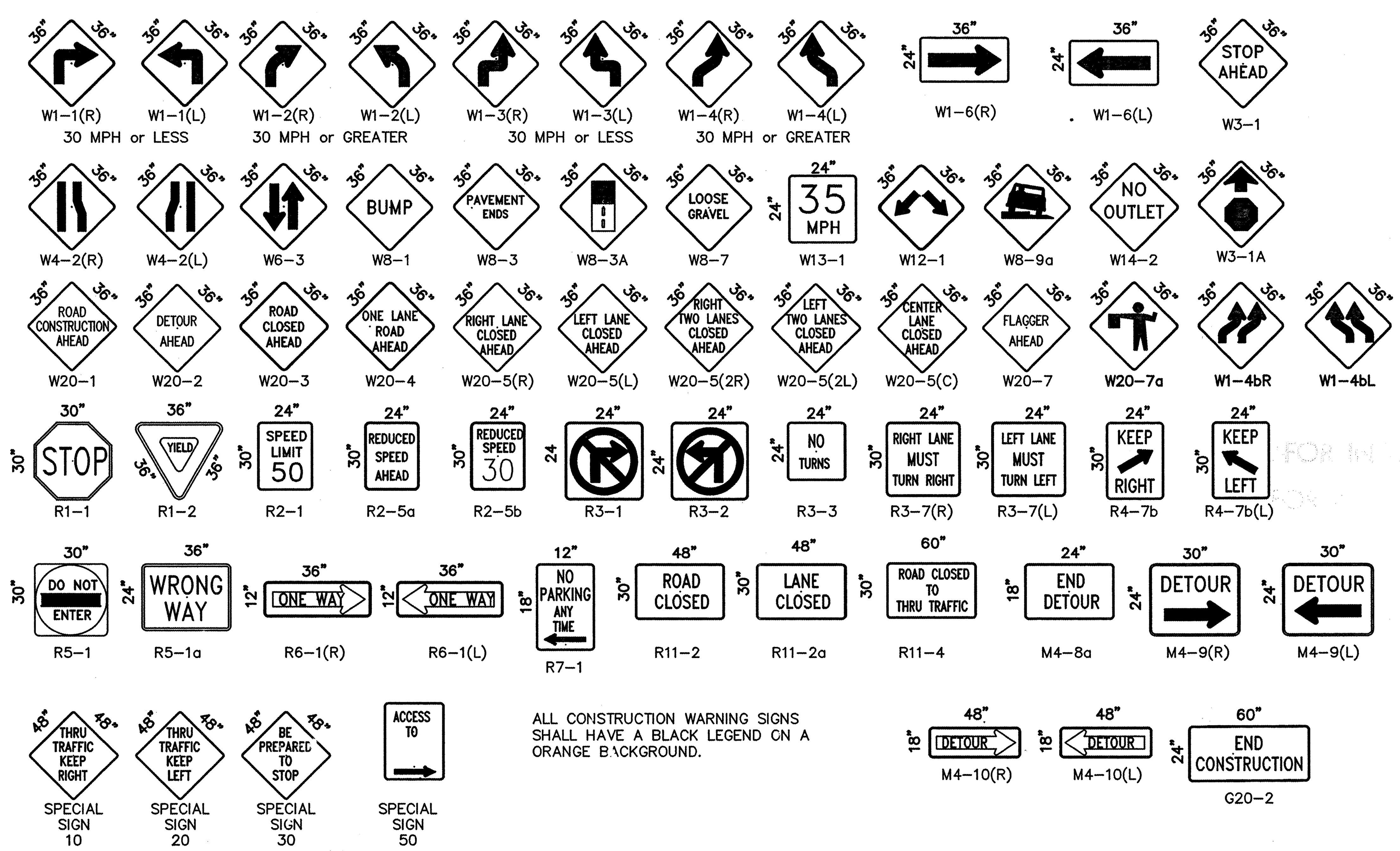
TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

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

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

SIGN FACE DETAILS



ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE B\CKGROUND.

Drawing name: N:\198635\OPTION1\TRAF0001.DWG
Saved on: February 6, 1999 at 1:54 PM

AS BUILT INFORMATION: CONTRACTOR; WORK STARTED BY, DATE; INSPECTOR'S ACCEPTANCE BY, DATE; FIELD VERIFICATION BY, DATE; DRAWINGS CORRECTED BY, DATE

MICRO-FILM INFORMATION: RECORDED BY, DATE, NO.

BENCH MARKS: TEMPORARY BENCHMARK: SAS MH NO. 4 LOCATED AT THE INTERSECTION OF WINDWARD DRIVE AND PARK WEST DRIVE. RIM ELEVATION = 5221.73

SURVEY INFORMATION: FIELD NOTES; NO.; BY; DATE

ENGINEERS SEAL

REMARKS / REVISIONS / DESIGN

NO.	DATE	BY	
DESIGNED BY	RJD	DATE	JULY, 1999
DRAWN BY	SEC	DATE	JULY, 1999
CHECKED BY	PJC	DATE	JULY, 1999

198635
Smith Engineering Company
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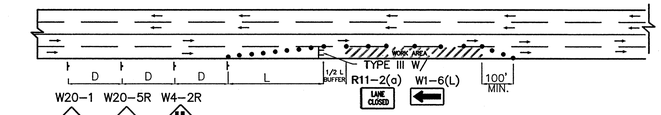
6400 Uptown Boulevard, N.E. Suite 500E Albuquerque, New Mexico 87110

CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
LANDSCAPE ARCHITITECTURE AND CONSRUCTION SERVICES

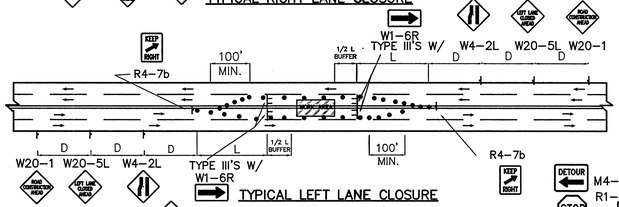
TITLE: PARKWEST PARK IMPROVEMENTS
SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS

Design Review Committee: APPROVED JUL 22 1999 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED JUL 28 1999 CITY ENGINEER
Last Design Update — Mo. / Day / Yr. — Mo. / Day / Yr.

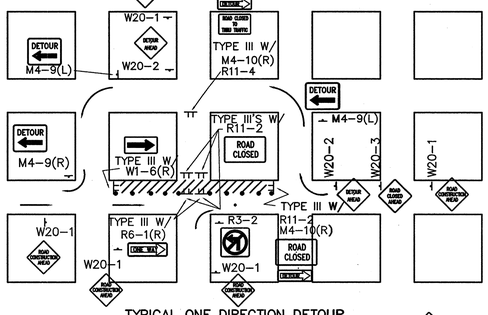
City Project No. 573592 | Zone Map No. H-9-Z | Sheet 15 Of 16



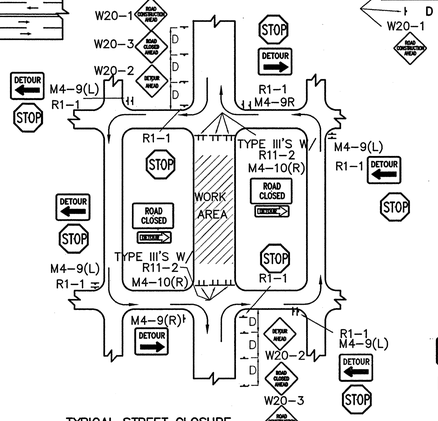
TYPICAL RIGHT LANE CLOSURE



TYPICAL LEFT LANE CLOSURE

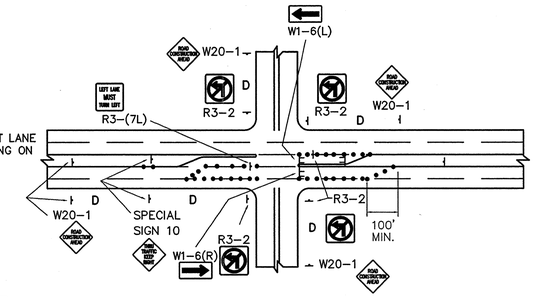


TYPICAL ONE DIRECTION DETOUR



TYPICAL STREET CLOSURE

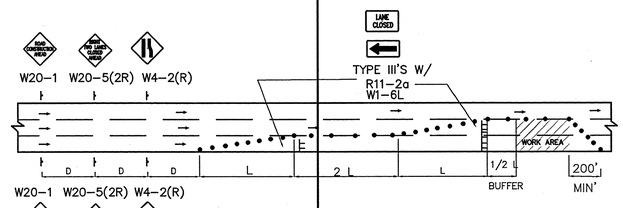
NOTE: (R1-1) BASED ON FIELD CONDITIONS.



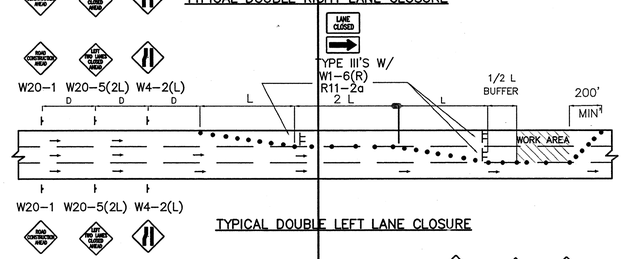
NOTE:
MAY REQUIRE LEFT LANE CLOSURE DEPENDING ON FIELD CONDITIONS.

TYPICAL LANE CLOSURE AT INTERSECTION

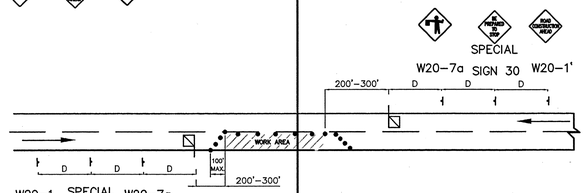
NOTE: DEPENDING ON WORK ZONE LOCATION



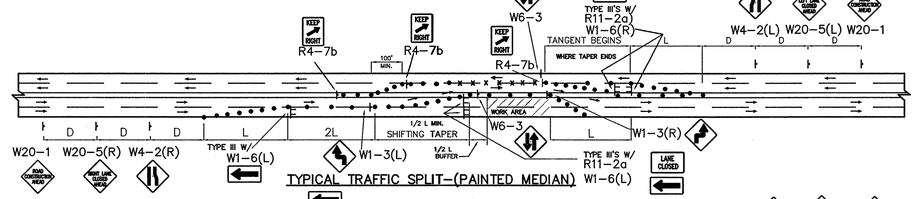
TYPICAL DOUBLE RIGHT LANE CLOSURE



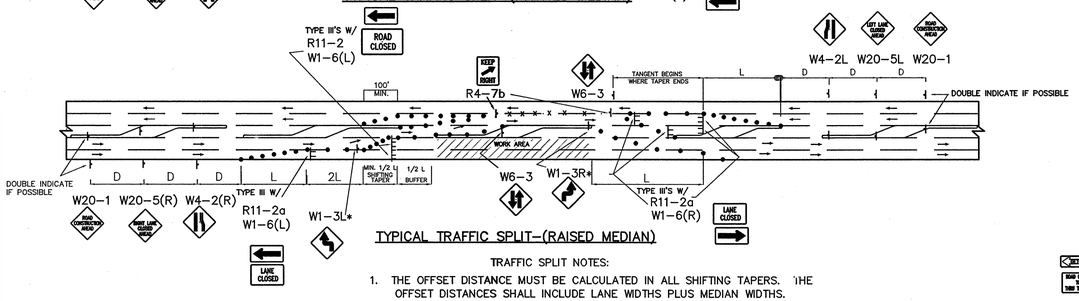
TYPICAL DOUBLE LEFT LANE CLOSURE



TYPICAL FLAGGING OPERATION



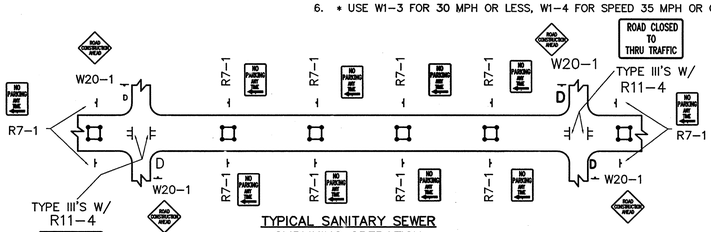
TYPICAL TRAFFIC SPLIT-(PAINTED MEDIAN)



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 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.



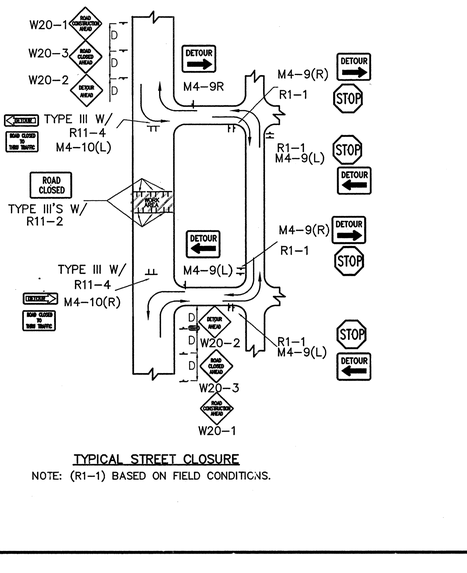
TYPICAL SANITARY SEWER SLIPLINING OPERATION

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

GENERAL NOTE:

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

ALL ADVANCE WARNING SIGNS SHALL BE A MINIMUM OF FORTY EIGHT (48) INCHES BY FORTY EIGHT (48) INCHES IN SIZE AND SHALL HAVE ONE WARNING LIGHT.

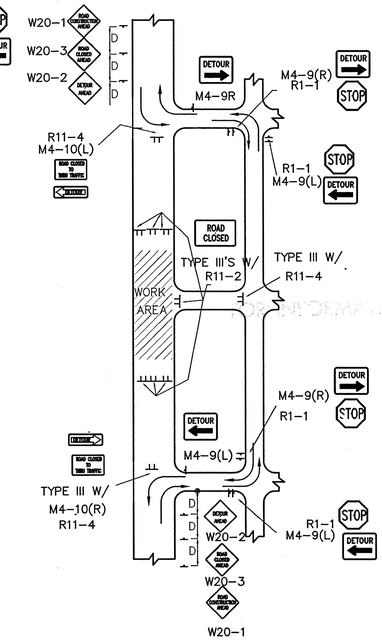


TYPICAL MID-BLOCK CLOSURE

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

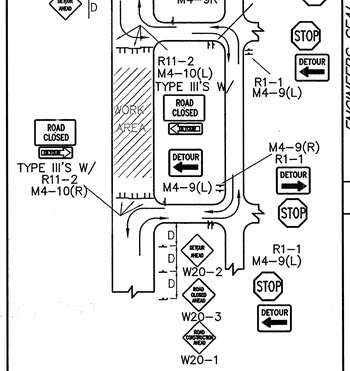
TYPICAL STREET CLOSURE

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



TYPICAL STREET CLOSURE

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



TYPICAL STREET CLOSURE

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

SURVEY INFORMATION

FIELD NOTES

NO.	DATE	BY

BENCH MARKS

TEMPORARY BENCHMARK: SAS MH NO. 4 LOCATED AT THE INTERSECTION OF WINDWARD DRIVE AND PARK WEST DRIVE
RIM ELEVATION = 5221.73

AS BUILT INFORMATION

CONTRACTOR	
WORK STARTED BY	DATE
INSPECTOR'S	
FIELD VERIFICATION BY	DATE
DRAWINGS	
CORRECTED BY	DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

ENGINEERS SEAL

JOSEPH J. DEVINE, NEW MEXICO 13282, REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DATE	JULY, 1999
		DATE	JULY, 1999
		DATE	JULY, 1999

DESIGNED BY	RJD
DRAWN BY	SEC
CHECKED BY	PJC

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CAPITAL IMPLEMENTATION PROGRAM
LANDSCAPE ARCHITECTURE AND CONSTRUCTION SERVICES

TITLE: PARKWEST PARK IMPROVEMENTS

TYPICAL TRAFFIC CONTROL AND SIGNING EXAMPLES

Design Review Committee	City Engineer Approval	Last Design Update	Mo. / Day / Yr.	Mo. / Day / Yr.
APPROVED JUL 22 1999 DESIGN REVIEW COMMITTEE	APPROVED JUL 26 1999 CITY ENGINEER			

City Project No. 573592 | Zone Map No. H-9-Z | Sheet 16 Of 16

Drawing name: N:\198635\OPTION\1_TRAFD002.DWG
Saved on: February 7, 1999 at 11:46 AM