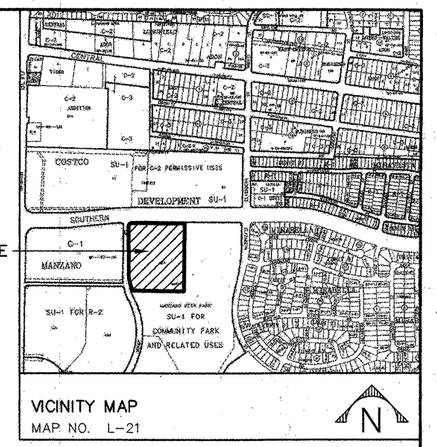
MANZANO MESA PARK - PHASE ~~II~~ 4

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
PARK AND MEDIAN DESIGN DIVISION

October 16, 2003



VICINITY MAP
MAP NO. L-21

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CONSENSUS PLANNING, INC.
PLANNING / LANDSCAPE ARCHITECTURE
924 PARK AVENUE SW ALBUQUERQUE, NM 87102 (505) 764-9801

Property Information

Legal Description: Tract G2A, Manzano Mesa Addition
Meter Address: Stephen Moody Street NE
Zoning: SU-1
Total Site Area: ~~15.0 acres~~ 12.22
Total Landscape Area: ~~_____~~ 7.21
Total Turf Area: 303,641 SF (~~6.97 acres~~)
Existing Parking
- Multi-Generation Center: 245 spaces
- Zia Little League: 208 spaces

Proposed Parking
- Soccer Fields: 333 spaces

Total 786 spaces

Consultants

Civil Engineering
Smith Engineering Company
6400 Uptown Blvd. NE, Suite 500E
Albuquerque, New Mexico 87110
(505) 884-0700

Electrical Engineering
CME, Inc.
6400 Uptown Blvd. NE, Suite 500E
Albuquerque, New Mexico 87110
(505) 884-8868

Index of Drawings

UTILITY COMPANY CONTACTS

PNM-ELECTRIC
4201 Edith Boulevard NE
Albuquerque, New Mexico 87107
(505) 241-0525

PNM-GAS
4625 Edith Boulevard NE
Albuquerque, New Mexico 87107
(505) 241-7745

QWEST
201 Third Street NW, Suite 700
Albuquerque, New Mexico 87103
(505) 245-8706

COMCAST
4611 Montbel Place NE
Albuquerque, NM 87107
(505) 761-6235

CITY OF ALBUQUERQUE UTILITY DEVELOPMENT
P.O. Box 1293
Albuquerque, New Mexico 87103
(505) 768-2719

CALL BEFORE YOU DIG!
STATEWIDE 1-800-321-ALERT
ALBUQUERQUE 260-1990

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

ENGINEERS STAMP & SIGNATURE

STATE OF NEW MEXICO — CHRISTOPHER J. GREEN #234 REGISTERED LANDSCAPE ARCHITECT — 10-17-03

APPROVED	ENGINEER	DATE
DRC Chairman		12-2-03
Transportation		11/21/03
Water/Wastewater		11/25/03
Hydrology		10/31/03
C I P		
Constr. Mngmt.		
Constr. Coord.		

APPROVED FOR CONSTRUCTION

CITY ENGINEER 12/02/03 DATE

PROJECT NUMBER 498092

SHEET 1 OF 23
G1

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 (924-3400) 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 CITY SURVEY SECTION 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 OF ALBUQUERQUE SURVEY SECTION AT THE CONTRACTOR'S EXPENSE. WHEN A CHANGE IS MADE IN THE FINISHED ELEV. OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR WILL, AT HIS OWN EXPENSE, HAVE THE CITY SURVEY SECTION 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 CONTRACTOR WILL REPLACE ANY STRIPPING THAT HAS BEEN RUINED OR REMOVED IN THE COURSE OF CONSTRUCTION.

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 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 WILL BE 4000 PSI UNLESS OTHERWISE NOTED ON PLANS.

26 ALL REINFORCING STEEL WILL 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 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 FIELD ENGINEER.

32 THE CONTRACTOR WILL CONTACT THE CITY OF ALBUQUERQUE TRAFFIC DIVISION 857-8025, 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 CITY OF ALBUQUERQUE 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 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 AND THESE SHORING, SHEETING, AND SUPPORTS ARE CONSIDERED INCIDENTAL TO THIS PROJECT. 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 FIELD 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 ALL ASPHALTIC CONCRETE SHALL BE MINIMUM 1800 LB. STABILITY AND COMPACTED TO 95% MODIFIED MARSHALL DENSITY UNLESS OTHERWISE NOTED ON THE PLANS.

52 ANY WORK OCCURRING WITHIN AN ARTERIAL ROADWAY REQUIRES TWENTY-FOUR (24) HOUR CONSTRUCTION.

53 ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.

54 THE CONTRACTOR SHALL BE RESPONSIBLE FOR TIMING AND COORDINATION OF WATER SHUTOFF AT LEAST SEVEN (7) WORKING DAYS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT THE WATER SYSTEMS DIVISION, 857-8200, TO INITIATE IMPLEMENTATION OF THE NON-PRESSURIZED CONNECTION PLAN.

55 FOR STORM DRAIN CONSTRUCTION, RCP PIPE JOINTS SHALL NOT BE GROUTED PRIOR TO FINAL INSPECTION. FINAL INSPECTION WILL DETERMINE JOINTS TO BE GROUTED FOR FINAL ACCEPTANCE OF THE CONSTRUCTION.

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

EXISTING FEATURES LEGEND:

- EXISTING WOOD POST FENCE
- EXISTING CHAIN-LINK FENCE
- EXISTING GAS LINE W/ VALVE
- EXISTING WATERLINE W/ VALVE
- EXISTING WATERLINE METER
- EXISTING FIRE HYDRANT
- EXISTING SANITARY SEWER LINE W/ MANHOLE
- EXISTING STORM DRAIN
- EXISTING OVERHEAD ELECTRIC W/POLE
- EXISTING UNDERGROUND ELECTRIC
- EXISTING 1' CONTOUR
- EXISTING 5' CONTOUR
- EXISTING CURB & GUTTER
- EXISTING CONCRETE
- EXISTING BUILDING LINE
- EXISTING EASEMENT LINE
- EXISTING SPRINKLER HEAD

NEW FEATURES LEGEND:

- CONSTRUCTION CENTERLINE
- NEW CHAIN-LINK FENCE
- NEW GAS LINE W/ VALVE
- NEW WATERLINE W/ VALVE
- NEW WATERLINE METER
- NEW FIRE HYDRANT
- NEW SANITARY SEWER LINE W/ MANHOLE
- NEW STORM DRAIN W/ MH
- NEW UTILITY POLE
- NEW 1' CONTOUR
- NEW 5' CONTOUR
- NEW CURB & GUTTER
- NEW CONCRETE
- NEW EASEMENT LINE
- POT HOLE LOCATION W/ NO.
- NEW EDGE OF PAVEMENT

AS BUILT INFORMATION
CONTRACTOR — DATE
WORK STAKED BY — DATE
INSPECTION & ACCEPTANCE BY — DATE
VERIFICATION BY — DATE
DRAWING REVISED BY — DATE
DRAWING CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES BY — DATE
NO.

ENGINEERS SEAL
CHRISTOPHER J. GREEN, 12534, REGISTERED PROFESSIONAL ENGINEER, STATE OF NEW MEXICO
10-17-03

NO.	DATE	REMARKS / REVISIONS	BY	DATE
		DESIGN	CG	10/16
		DRAWN BY	MA	10/16
		CHECKED BY	CG	10/16

CONSENSUS PLANNING, INC.
Planning / Landscape Architecture
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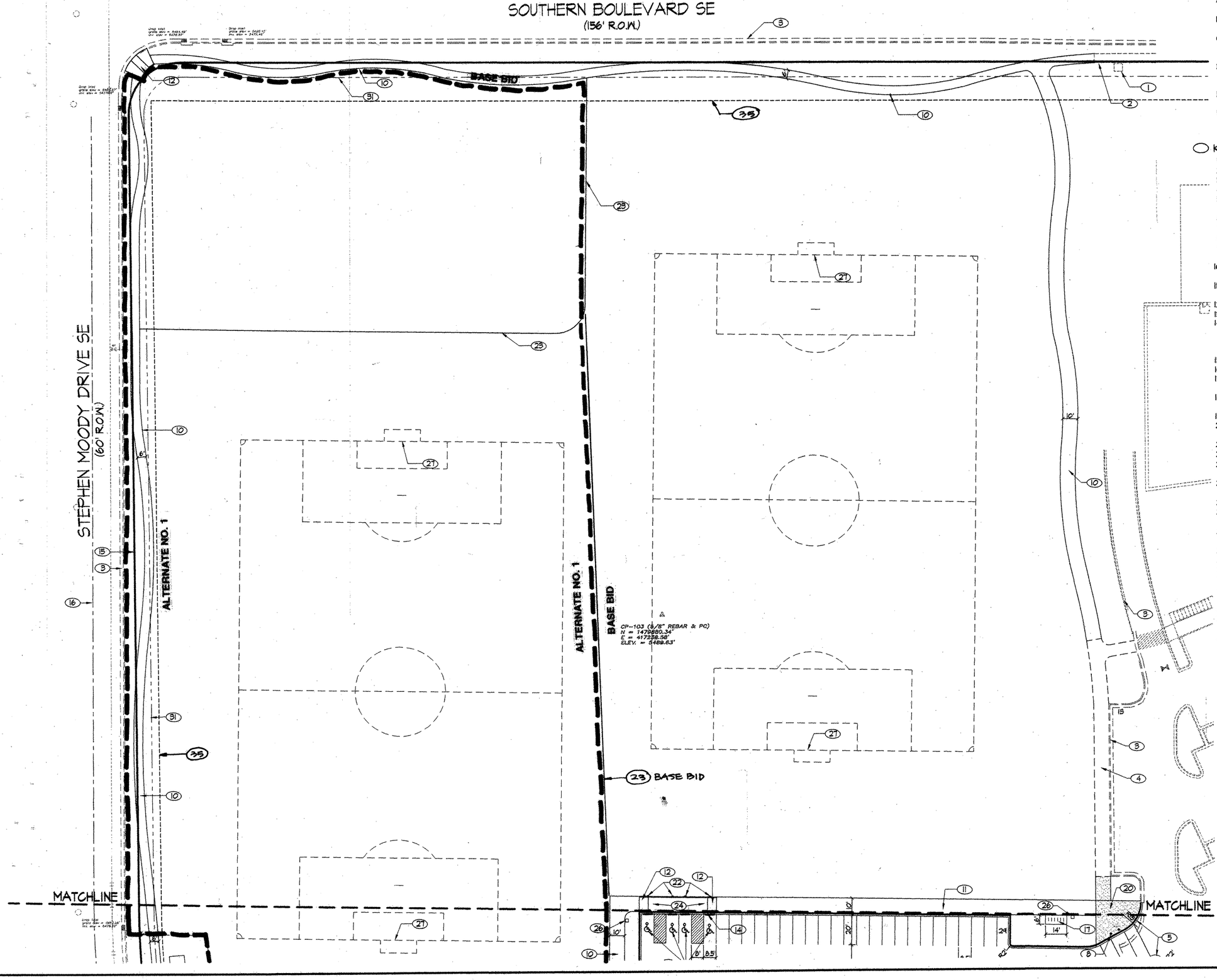
Albuquerque, NM 87102
(505) 764-9801 Fax 842-5495
e-mail: cp@consensusplanning.com

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
PARK AND MEDIAN DESIGN DIVISION

TITLE: MANZANO MESA PARK
GENERAL NOTES

Parks & Recreation Approval: APPROVED — DEC 2 2003 — PARKS & RECREATION DEPARTMENT
City Engineer Approval: APPROVED — DEC 2 2003 — CITY ENGINEER
Last Design Update — No. / Day / Yr.

City Project No. 498092 — Zone Map No. L-21 — Sheet 2 Of 23 — G2



GENERAL NOTES

A CONTRACTOR TO REVIEW AND COORDINATE ALL CONTRACT DOCUMENTS.
B CONTRACTOR TO NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES IN CONTRACT DOCUMENTS
C CONTRACTOR TO NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES BETWEEN CONTRACT DOCUMENTS AND FIELD CONDITIONS.
D CONTRACTOR TO REFER TO ANNOTATED DIMENSIONS ONLY. CONTRACTOR NOT TO SCALE OFF DRAWINGS.
E LARGER SCALE DRAWINGS TAKE PRECEDENCE OVER SMALLER SCALE, TYP.
F CONTRACTOR SHALL COORDINATE WITH PARK MANAGEMENT REGARDING PROVISIONS FOR MOWER ACCESS.

KEYED NOTES

1 EXISTING TRANSFORMER TO REMAIN.
2 TERMINATION POINT OF EXISTING SIDEWALK.
3 EXISTING CURB AND GUTTER TO REMAIN.
4 EXISTING SIDEWALK TO REMAIN.
5 EXISTING CURB AND GUTTER TO BE REMOVED BACK TO TANGENT POINT.
6 EXISTING ASPHALT CURB TO BE REMOVED.
7 EXISTING METAL GATE TO REMAIN.
8 BOLLARDS. SEE 8/S8.
9 CONCRETE SPEED CONTROL BUMP. SEE CIVIL SHEETS.
10 CONCRETE SIDEWALK, C.O.A. STANDARD DWG. NO. 2430.
11 TURN-DOWN CONCRETE SIDEWALK WITH TOOLED CURB JOINT.
12 ACCESSIBLE RAMP. SEE SHEET 9.
13 REFUSE ENCLOSURE. SEE 5/S8.
14 PRECAST CONC. WHEEL STOPS TYPICAL AT ALL ACCESSIBLE PARKING SPACES. INSTALL WITH #6 18" SPIKES. INSTALL 18' CLEAR FROM END OF STALL.
15 PROPERTY LINE.
16 CENTERLINE OF RIGHT-OF-WAY.
17 BICYCLE LOOPS. SEE SITE AMENITIES SCHEDULE,SHEET S4.
18 BENCH, TYP. SEE SITE AMENITIES SCHEDULE, SHEET S4.
19 CURB AND GUTTER, SEE SHEET 10.
20 CONCRETE SIDEWALK INTEGRALLY COLORED W/ROCK SALT FINISH TO MATCH EXISTING.
21 ASPHALT PAVEMENT. SEE CIVIL SHEETS.
22 POLE MOUNTED H.C. SIGN. SEE DETAIL 3/S8.
23 CONCRETE MOWSTRIP (6" X 6"), SEE C.O.A. STANDARD DRAWING, 2726.
24 DEPRESSED CONCRETE SIDEWALK, FLUSH WITH HC PARKING ACCESS POINTS. SEE SHEET 13.
25 PAINTED ACCESSIBILITY SYMBOL, SEE 2/S8.
26 LITTER RECEPTACLE, TYP. SEE SITE AMENITIES SCHEDULE, SHEET S4.
27 SOCCER GOALS, SEE SITE AMENITIES SCHEDULE SHEET S4.
28 LANDSCAPE BOULDERS, SEE LANDSCAPE PLANS.
29 PUBLIC UTILITY EASEMENT.
30 WATERLINE EASEMENT.
31 SANITARY SEWER EASEMENT.
32 PLAYGROUND AREA, SEE ENLARGED PLAN ON SHEET S5.
33 5' x 5' TREE WELL.
34 PICNIC TABLES, SEE SITE AMENITIES SCHEDULE, SHEET S4.
35 SIDEWALK EASEMENT. #2003216722, Bk. A69, Pg. 6265.

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

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEERS SEAL
CHRISTOPHER J. GREEN
#234
REGISTERED PROFESSIONAL LANDSCAPE ARCHITECT
10-17-03

NO.	DATE	REMARKS / REVISIONS	BY
		DESIGN	CG
		DESIGNED BY	CG
		DRAWN BY	MA
		CHECKED BY	CG
		DATE	10/16
		DATE	10/16
		DATE	10/16

CONSENSUS PLANNING, INC.
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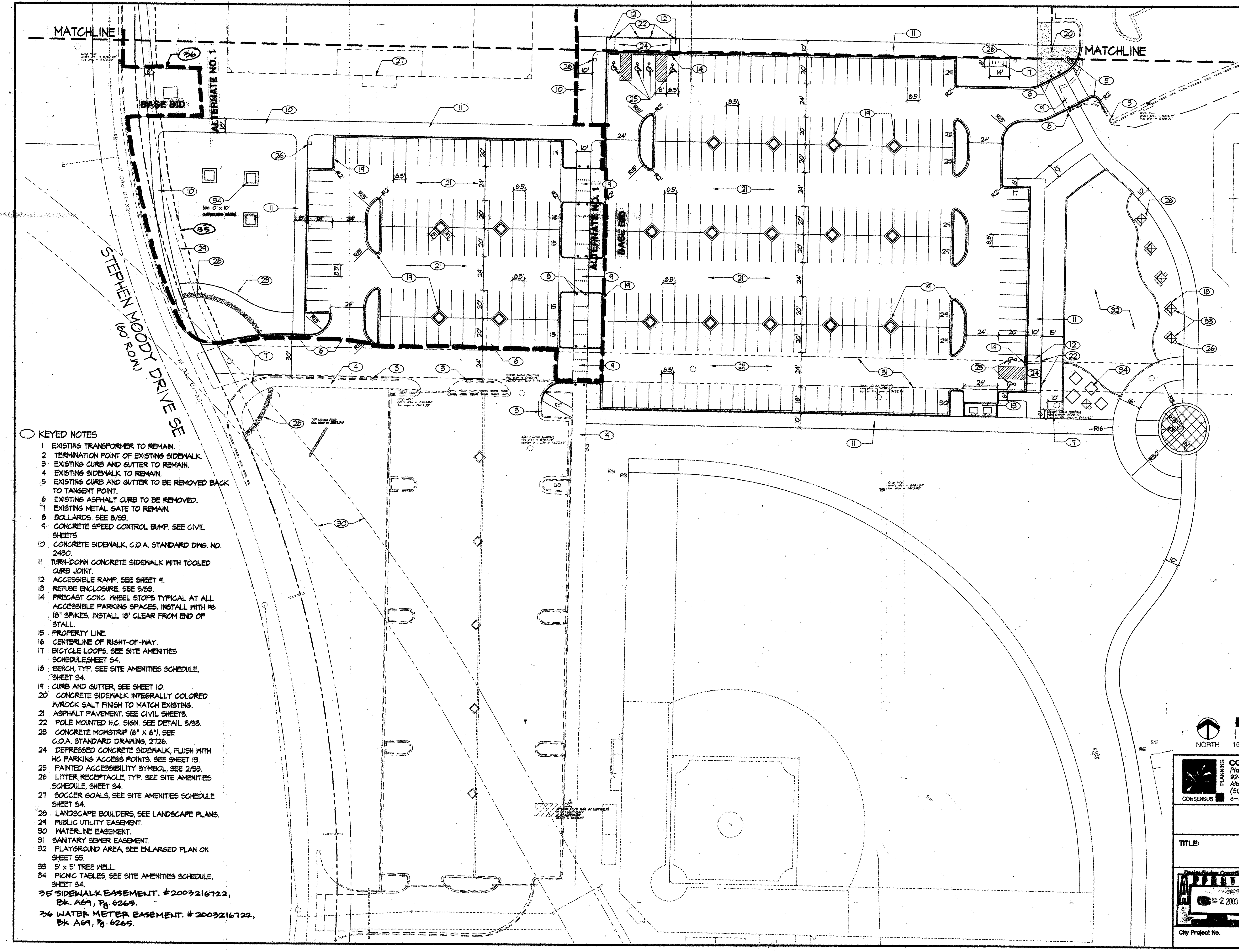
(505) 764-9801 Fax 842-5495
e-mail: cp@consensusplanning.com

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
PARK AND MEDIAN DESIGN DIVISION

TITLE: MANZANO MESA PARK
SITE PLAN

APPROVED — DES 2 2003
APPROVED — DES 2 2003 — BY
Last Design Update — No. / Day / Yr. — No. / Day / Yr.

City Project No. 498092 | Zone Map No. L-21 | Sheet 3 of 23 | S1



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35 SIDEWALK EASEMENT. #2003216722, Bk. A69, Pg. 6265.
36 WATER METER EASEMENT. #2003216722, Bk. A69, Pg. 6265.

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

STATE OF NEW MEXICO
CHRISTOPHER J. GREEN
#234
REGISTERED LANDSCAPE ARCHITECT
10-17-03

REVISIONS

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	CG	DATE	10/16
DRAWN BY	MA	DATE	10/16
CHECKED BY	CG	DATE	10/16

CONSENSUS PLANNING, INC.
Planning / Landscape Architecture
924 Park Avenue SW
Albuquerque, NM 87102
(505) 764-9801 Fax 842-5495
e-mail: cp@consensusplanning.com

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
PARK AND MEDIAN DESIGN DIVISION

TITLE: MANZANO MESA PARK

SITE PLAN

Design Review Committee — APPROVED — 2 2003

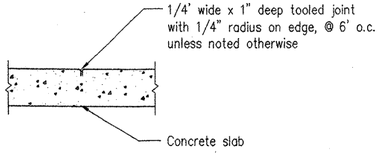
City Engineer Approval — APPROVED — 2 2003 — CITY ENGINEER

Last Design Update

No. / Day / Yr.	No. / Day / Yr.

City Project No. 498092 | Zone Map No. L-21 | Sheet 4 Of 23 | S2

NOTE: FOR EXPANSION JOINTS,
SEE C.O.A. DETAIL 2451 TYPE 5,
WHICH INCLUDES CONT. SEALANT



Control Joint

1 CONCRETE JOINTS
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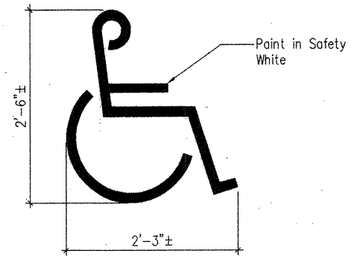

2 PAVEMENT MARKING
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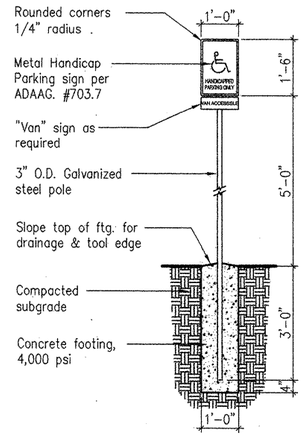

3 H.C. SIGN
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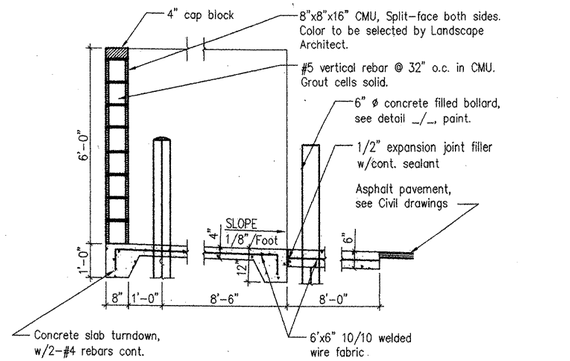

4 ENCLOSURE SECTION
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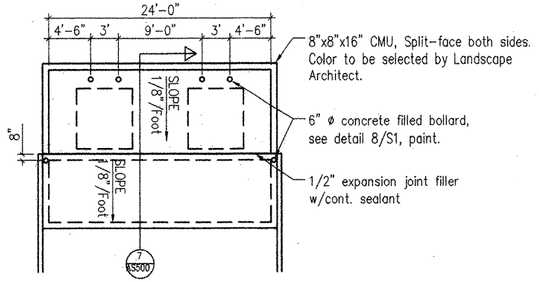

5 ENCLOSURE PLAN
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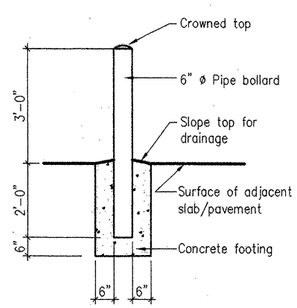
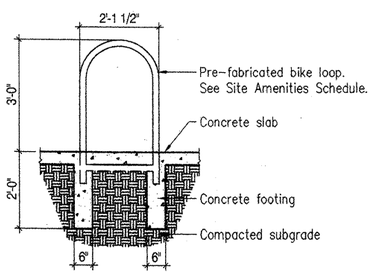


6 REFUSE ENCLOSURE BOLLARD
N.T.S.



7 BICYCLE LOOP
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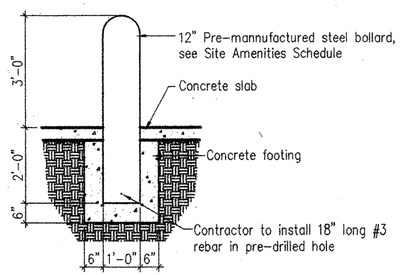

8 WALKWAY BOLLARD DETAIL
N.T.S.

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY DATE
WORK COMPLETED BY DATE
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
CHRISTOPHER J. GREEN
NEW MEXICO
#234
REGISTERED
LANDSCAPE
ARCHITECT
10-17-03

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY CG	DATE 10/16
		DRAWN BY MA	DATE 10/16
		CHECKED BY CG	DATE 10/16

CONSENSUS PLANNING, INC.
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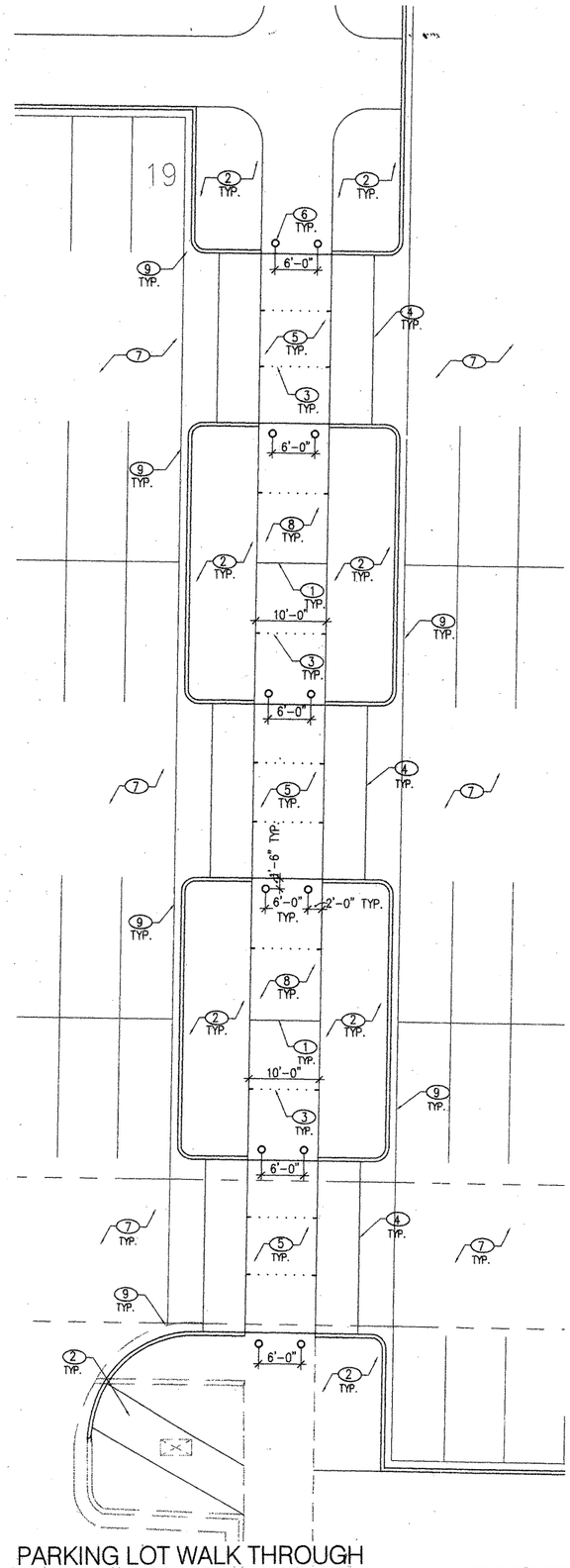
e-mail: cp@consensusplanning.com

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
PARK AND MEDIAN DESIGN DIVISION

TITLE: MANZANO MESA PARK
SITE DETAILS

APPROVED DEC - 2 2003
APPROVED DEC - 2 2003 CITY ENGINEER
Last Design Update
No. / Day / Yr.
No. / Day / Yr.

City Project No. 498092
Zone Map No. L-21
Sheet 5 Of 23
S3



PARKING LOT WALK THROUGH

NORTH Scale 1" = 10'

GENERAL NOTES

A CONTRACTOR TO REVIEW AND COORDINATE ALL CONTRACT DOCUMENTS.
B CONTRACTOR TO NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES IN CONTRACT DOCUMENTS
C CONTRACTOR TO NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES BETWEEN CONTRACT DOCUMENTS AND FIELD CONDITIONS.
D CONTRACTOR TO REFER TO ANNOTATED DIMENSIONS ONLY. CONTRACTOR NOT TO SCALE OFF DRAWINGS.
E LARGER SCALE DRAWINGS TAKE PRECEDENCE OVER SMALLER SCALE, TYP.

KEYED NOTES

1 CONCRETE EXPANSION JOINT, TYPE 5, C.O.A. STANDARD DWG. 2451.
2 PLANTING AREA. SEE LANDSCAPE SHEETS.
3 CONTROL JOINT, SEE DETAIL 1/S3, TYP.
4 CONCRETE SPEED CONTROL BUMP RAMP. SEE CIVIL DWGS. BROOM FINISH.
5 CONCRETE SPEED CONTROL BUMP TOP SURFACE. SEE CIVIL DWGS. BROOM FINISH W/4" SMOOTH TROWELLED EDGE AROUND EACH PANEL.
6 BOLLARDS. SEE DETAIL 9/S3.
7 ASPHALT PAVING. SEE CIVIL SHEETS.
8 CONCRETE SIDEWALK BROOM FINISH W/4" SMOOTH TROWELLED EDGE AROUND EACH PANEL, TYP. SEE CIVIL SHEETS AND SITE PLAN, TYP.
9 C.O.A. STANDARD CURB AND GUTTER, TYP.

SITE AMENITIES SCHEDULE

QTY.	MODEL#	DESCRIPTION	MANUFACTURER
10	BL1436	36" Bike Loop Color: Blue	Wabash Valley
16	B-2	12" Bollards Color: Royal Blue	FairWeather
7	RSO-25	Litter Receptacle. Color: Green	McClintock Metal Fabricators
8	CW8560	6' Bench w/ back & armrests Color: Green	Wabash Valley
2 pr.	2237-01	Soccer Goals - Steel w/end frames (portable)	Patterson Williams
2 pr.	8346-31	Premium Grade Soccer Net	Patterson Williams
2 pr.	8367	Soccer Goals Anchors w/neoprene caps	Patterson Williams
3	5506	6' Picnic Table w/surface mount adapter. Color: Cranberry	Wabash Valley
1	5511	8' Handicap Accessible Picnic Table w/Anti-Vandalism bar, and surface mounted adapter. Color: Cranberry	Wabash Valley

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

BENCH MARKS

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY | DATE
WORK COMPLETED | DATE
ACCEPTANCE BY | DATE
VERIFICATION BY | DATE
DRAWINGS CORRECTED BY | DATE
MICRO-FILM INFORMATION
RECORDED BY | DATE
NO.

ENGINEERS SEAL
CHRISTOPHER J. GREEN #234 REGISTERED PROFESSIONAL LANDSCAPE ARCHITECT
10.17.03

REMARKS
REVISIONS
NO. | DATE | BY
DESIGN DESIGNED BY CG DATE 10/16
DRAWN BY MA DATE 10/16
CHECKED BY CG DATE 10/16

CONSENSUS PLANNING, INC.
Planning / Landscape Architecture
924 Park Avenue SW
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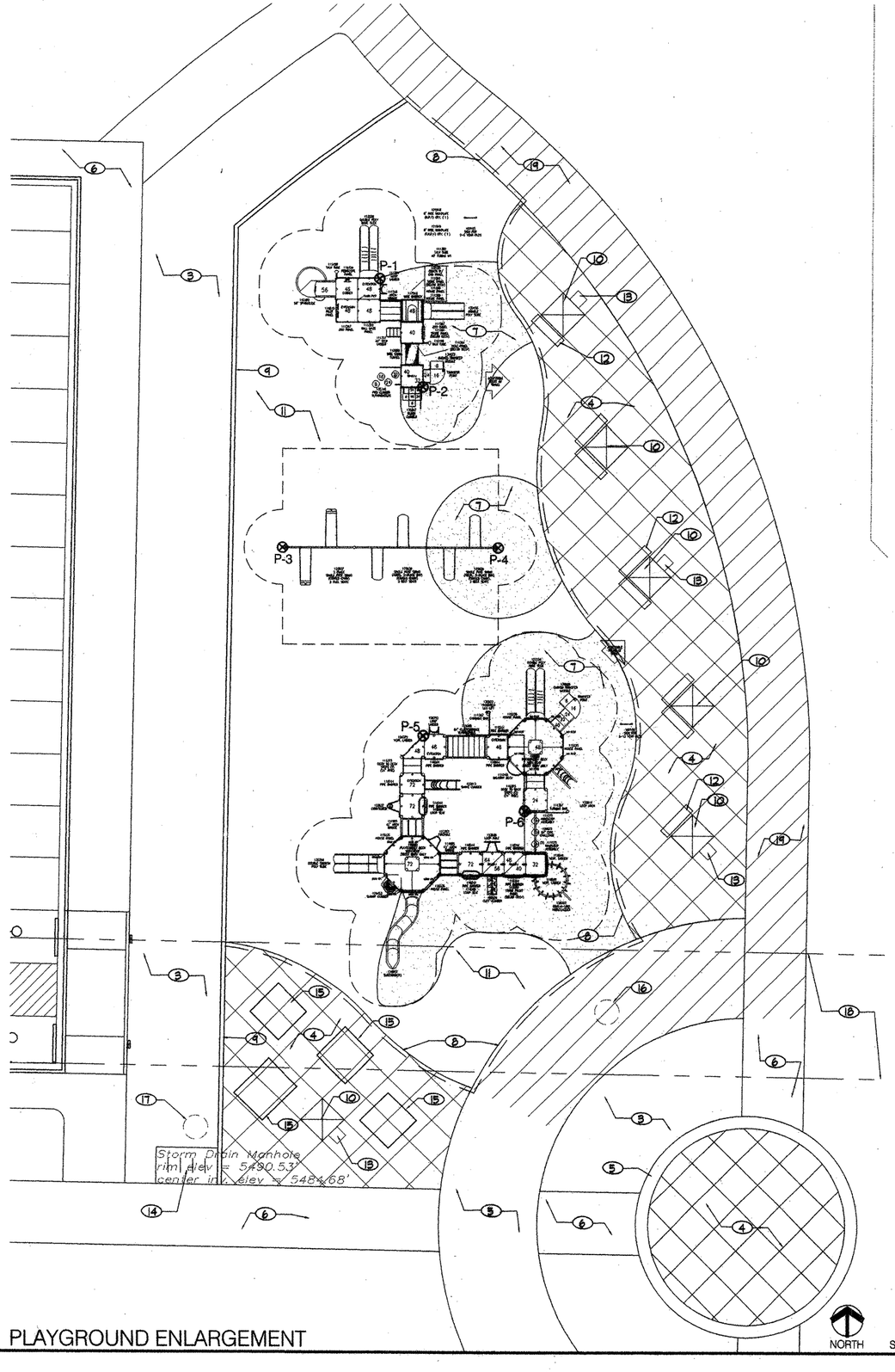
CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
PARK AND MEDIAN DESIGN DIVISION

TITLE: MANZANO MESA PARK
CROSSWALK PLAN/AMENITIES SCHEDULE

APPROVED DEC 2 2003 DESIGN REVIEW COMMITTEE
APPROVED DEC - 2 2003 CITY ENGINEER
Last Design Update: No. / Day / Yr. | No. / Day / Yr.

City Project No. 498092 | Zone Map No. L-21 | Sheet 6 Of 23 | S4



PLAYGROUND ENLARGEMENT

⊗ CONTROL INFORMATION

POINT	NORTHING	EASTING
P-1	1479570.18	417569.85
P-2	1479552.68	417576.85
P-3	1479526.80	417554.09
P-4	1479526.80	417589.09
P-5	1479495.82	417576.96
P-6	1479483.62	417593.44

GENERAL NOTES

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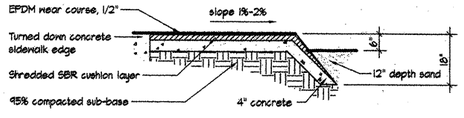
B CONTRACTOR TO NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES IN CONTRACT DOCUMENTS
C CONTRACTOR TO NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES BETWEEN CONTRACT DOCUMENTS AND FIELD CONDITIONS.
D CONTRACTOR TO REFER TO ANNOTATED DIMENSIONS ONLY. CONTRACTOR NOT TO SCALE OFF DRAWINGS.
E LARGER SCALE DRAWINGS TAKE PRECEDENCE OVER SMALLER SCALE, TYP.

⬭ KEYED NOTES

1 CONCRETE EXPANSION JOINT, TYPE 5, C.O.A. STANDARD DWG. 2451.
2 CONTROL JOINT, SEE DETAIL 1/S1, TYP.
3 PLANTING AREA. SEE LANDSCAPE SHEETS.
4 CONCRETE SIDEWALK W/INTEGRAL COLOR (GC CONSTRUCTION PRODUCTS- LIGHT OAK) - BROOM FINISH W/4" SMOOTH TROWELLED EDGE AROUND EACH 5' X 5' PANEL, TYP.
5 CONCRETE SIDEWALK W/INTEGRAL COLOR (GC CONSTRUCTION PRODUCTS- CRANBERRYBROOM FINISH.
6 CONCRETE SIDEWALK, BROOM FINISH.
7 RESILIENT SURFACING, POURED IN-PLACE RUBBER WITH 1/2" EPDM WEAR COURSE. THICKNESS OF SURFACE SHALL BE 9-INCH. COLOR SHALL BE 50% BLUE AND 50% BLACK.
8 TURNDOWN SLAB AT SAND PLAY AREA, C.O.A. STANDARD DWG. 2728.
9 EDGER WALL AT SAND PLAY AREA, C.O.A. STANDARD DWG. 2729.
10 5' x 5' TREE WELL.
11 SAND AREA - 12" DEPTH.
12 BENCH, SEE SITE AMENITIES SCHEDULE, SHEET S4.
13 LITTER RECEPTACLE, SEE SITE AMENITIES SCHEDULE, SHEET S4.
14 BICYCLE LOOPS, SEE SITE AMENITIES SCHEDULE, SHEET S4.
15 PIGNIC TABLE, SEE SITE AMENITIES SCHEDULE, SHEET S4.
16 EXISTING SAS MANHOLE.
17 EXISTING STORMDRAIN MANHOLE.
18 EXISTING 20' SAS EASEMENT.
19 6" THICKENED CONCRETE SIDEWALK FOR MAINTENANCE ACCESS.



Safety Surface Detail

NO SCALE

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

BENCH MARKS

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY | DATE
INSPECTION & ACCEPTANCE BY | DATE
FIELD VERIFICATION BY | DATE
AS-BUILTS CORRECTED BY:

MICRO-FILM INFORMATION
RECORDED BY | DATE
NO.

ENGINEERS SEAL
NEW MEXICO — CHRISTOPHER J. GREEN — 12314 — REGISTERED PROFESSIONAL ENGINEER
10-17-08

REMARKS
REVISIONS
NO. | DATE | BY
DESIGN | DATE 10/16
DESIGNED BY CG
DRAWN BY MA | DATE 10/16
CHECKED BY CG | DATE 10/16

CONSENSUS PLANNING, INC.
Planning / Landscape Architecture
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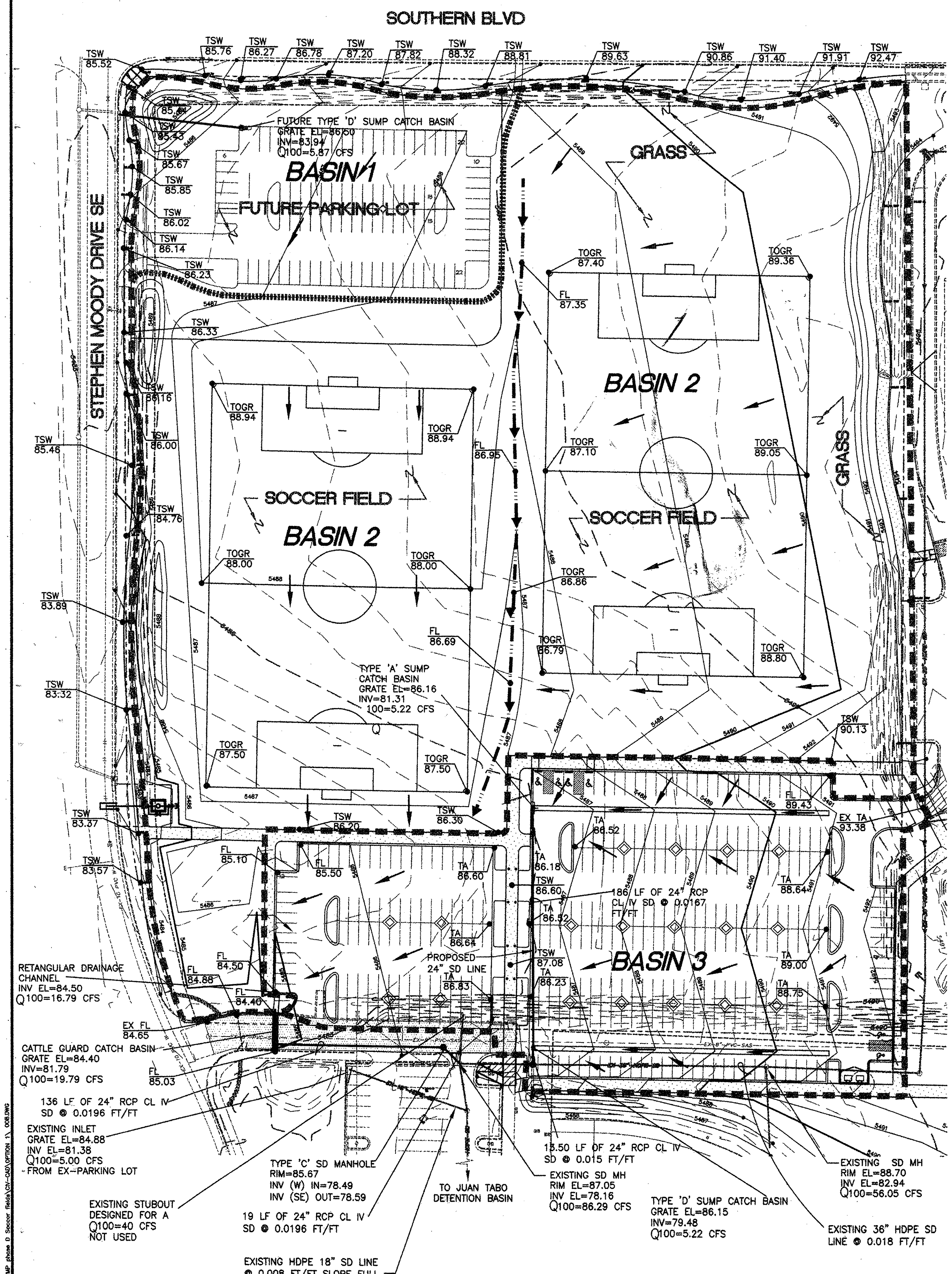
e-mail: cp@consensusplanning.com

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
PARK AND MEDIAN DESIGN DIVISION

TITLE: MANZANO MESA PARK
PLAYGROUND PLAN/DETAILS

APPROVED DEC 2 2008
APPROVED DEC 2 2008 CITY ENGINEER
Last Design Update: No. / Day / Yr. | No. / Day / Yr.

City Project No. 498092 | Zone Map No. L-21 | Sheet 7 Of 23 | S5



MANZANO MESA PARK DRAINAGE ANALYSIS

GENERAL
Smith Engineering Company (SEC) has been retained by Consensus Planning Inc. to develop the drainage and grading plan for the Manzano Mesa Park Soccer Fields. The soccer fields, with parking, are on a 11.46 acres tract of land located on the southeast side of Albuquerque, New Mexico. The site borders Southern Avenue on north, Stephen Moody Drive on the west, the Manzano Mesa Multi-Generational Center on the east and baseball fields, with parking, on the south. Eubank Boulevard is located 1200 feet east.

SITE LOCATION AND DESCRIPTION
The project area is located in Bernalillo County on the southeast side of the City of Albuquerque, New Mexico. The local climate is considered semi-desert and is hot and dry. Albuquerque receives less than 8 inches of rain per year. The project is located on the east mesa area near Kirtland Air force Base. The area presently receives runoff from local upstream basins. The majority of the floods that effect the area come from thunderstorms that occurs in the months of July, August and September. The summer thunderstorms originate from the Gulf of Mexico. Less intense winter rainfall come from frontal activity that originates in the Pacific Ocean.

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 Zone 3 along with Tables A-8, A-10 and A-11 were used for these calculations. The site was divided into three basins based on developed land treatments. The existing conditions flows were computed for comparison purposes only. The Rational Method was used to compute the peak flows for this analysis. The 100-year, 6-hr storm was used.

A. Existing Conditions The soccer fields are located in the northwest end of Manzano Mesa Park, which is zoned SU-1 for Park. The south end of the Park has been developed with five baseball diamonds, parking lots and the 45 acre-foot Manzano Mesa Detention Pond. The northeast end of the Park, is where the Manzano Mesa Multi-Generational Center is located. The site is undeveloped grass land overlying the sandy to gravely loam. The average slope of the existing grade varies from about 1% to 2.5% northeast to southwest. The Flood Insurance Rate Map (FIRM Panel # 35002 037C, Oct. 14, 1983) for the area delineates an existing 100-year flood plain (Zone AO) crossing the middle of the Manzano Mesa Park in the southern part of the project site. This section of the arroyo will be the last section in the park to be filled in.

In April 1996 SEC completed a Conditional Letter of Map Revision (CLOMR) that proposes the elimination of this flood plain as a result of the proposed Juan Tabo Detention Basin and the existing Juan Tabo Storm Drain System located upstream.

Land treatment 'A' was used to compute the existing conditions peak flow and runoff volumes. The results are summarized in the attached tables. The average 100-year peak flow is 21.43 cfs for the site.

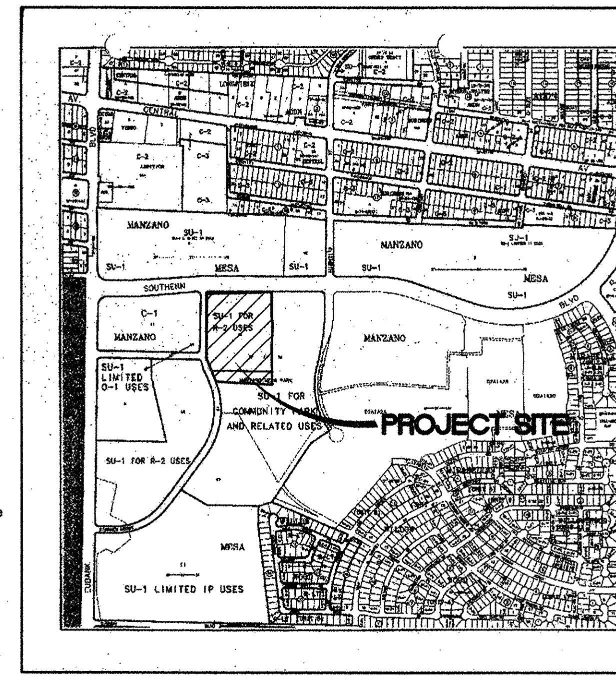
B. Developed Conditions
This project is the latest phase of the Manzano Mesa Park development. The site has been divided into three drainage basins based on the dominate land treatment. The proposed parking lot, (Basin 3), on the south end of the site, with 329 parking spaces and adjacent sidewalks encompasses 117,221 sq. ft. and was conservatively assumed to be 100% land treatment 'D'. The soccer field area (Basin 2) will be grass from the sidewalk to sidewalk and encompass and area of 331,330 sq. ft. of land treatment 'B'. The remaining portion of the site is the proposed future parking lot in the far northeast corner of the site (Basin 1). This area will be mass graded and reseeded and encompasses an area of 50,793 sq. ft. and conservatively assumed to be 100% land treatment 'D' for this analysis. A small portion of the site, from the back of the winding sidewalk to the curb, drains to Southern Blvd. and Stephen Moody Street. Basins 2 and 3 drain to the to the south or south east to a series of catch basins that tie into an existing HDPE storm drain that discharges to the Juan Tabo Detention Basin. The existing storm drain was designed to accommodated the flows from this proposed project (C.O.A. Project 6690.91). Basin 1, the future parking lot, will drain, by sheet flow to Steven Moody. The added flows do not adversely affect the HGL of the storm drain system in Steven Moody. Basin 3 has three catch basins that collect the sheet flow from the parking lot. The cattle guard inlet will collect runoff from the west half of the parking lot and sheet flow runoff from Basin 2. The cattle guard inlet will be discharge to the Existing Manhole where the existing storm drain goes from 36 " to 48" HDPE pipe, via a 24" RCP storm drain @ 0.0196 ft/ft. The remain two catch basins ,which collect the runoff from the eastern parking lot,will discharge to a new manhole constructed over the existing 36" HDPE storm drain line, via a 24" RCP storm drain @ 0.015 ft/ft. This existing storm drain runs east to west under the proposed asphalt on the south edge of the parking lot. Basin 2 is the grass soccer field area. The Albuquerque Parks and Recreation Department request that Basin 2 not have any area catch basins to to collect storm water runoff. The current policy is to not allow any irrigation water to exit the boundaries of the site which an area inlet would do. Basin 2 proposed grading directs the runoff from the north to the south and southwest via sheet flow. The soccer fields are designed to allow the grass area to utilize rainwater for irrigation by minimizing the slopes. The soccer fields runoff then sheet flows over the sidewalk and into the western portion of Basin 3, the proposed parking lot, to be collected by the parking lot catch basins. Runoff from Basin 2 will be minimal in all but the larger storms. This drainage concept is consistent with the concept provided in the analysis report for the South Eubank Storm Drain and Detention Basin prepared November, 1995. C.O.A. Project 6690.91 Manzano Mesa Storm Drain has flow higher than those used for this analysis. The flows are lower for two reasons, 1. The actual flows from the Multi-Generations-Center are less than the design flows used in the storm drain analysis. 2. Basin 1 of this analysis was assumed to discharge south to the storm drain in the Manzano Mesa Storm Drain System. As discussed here Basin 1 will now discharge to Steven Moody therefore removing 5.87 CFS from the Manzano Mesa Storm Drain System

ONSITE BASIN HYDROLOGY – EXISTING CONDITIONS

BASIN	AREA (ACRES)	LAND USE AREA (ACRES)				EXISTING VOLUME 100-YR (AC-FT)	EXISTING Q100-YR (CFS)
		A	B	C	D		
1	1.17	1.17	0	0	0	0	2.18
2	7.61	7.61	0	0	0	0	14.22
3	2.69	2.69	0	0	0	0	5.03
TOTAL SITE	11.46	11.46	0	0	0	0.63	21.43

ONSITE BASIN HYDROLOGY – DEVELOPED CONDITIONS

BASIN	AREA (ACRES)	LAND USE AREA (ACRES)				DEVELOPED VOLUME 100-YR (AC-FT)	DEVELOPED Q 100-YR (CFS)
		A	B	C	D		
1	1.17	0	0	0	1.17	0.49	5.87
2	7.61	0	7.61	0	0	1.65	15.27
3	2.69	0	0	0	2.69	1.13	13.50
TOTAL SITE	11.46	0	7.61	0	3.86	3.26	39.16



LEGEND

BASIN BOUNDRY ▬ ▬ ▬ ▬
FLOW ARROW ⟶
TA TOP OF ASHPALT
FL FLOW LINE
TOG TOP OF GRATE
TSW TOP OF SIDEWALK
TOGR TOP OF GROUND

N

50' 25' 0 50' 100'
SCALE: 1" = 50'

102049
Smith Engineering Company
A Full Service Engineering Company

CITY OF ALBUQUERQUE
PARKS AND RECREATION DEPARTMENT

TITLE: MANZANO MESA PHASE D SOCCER FIELDS
HYDROLOGY PLAN

Design Review Committee APPROVED DEC - 2 2003 DESIGN REVIEW COMMITTEE
City Engineer APPROVED DEC - 2 2003 CITY ENGINEER

Last Design Update | No. / Day / Yr. | No. / Day / Yr.

City Project No. 498092 | Zone Map No. L-21-Z | Sheet No. | Drawing No. 8 of 23

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
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND THE FUTURE
INTERSECTION GO DIRECTLY EAST 292 FEET
ELEVATION 5500.67'
GROUND COORDINATES: NORTHING=1,481,746.33
EASTING =418,123.51
GRID COORDINATES: NORTHING=1,481,220.09
EASTING =417,975.01
GROUND TO GRID 0.999644850

SURVEY INFORMATION
FIELD NOTES
NO.	BY	DATE

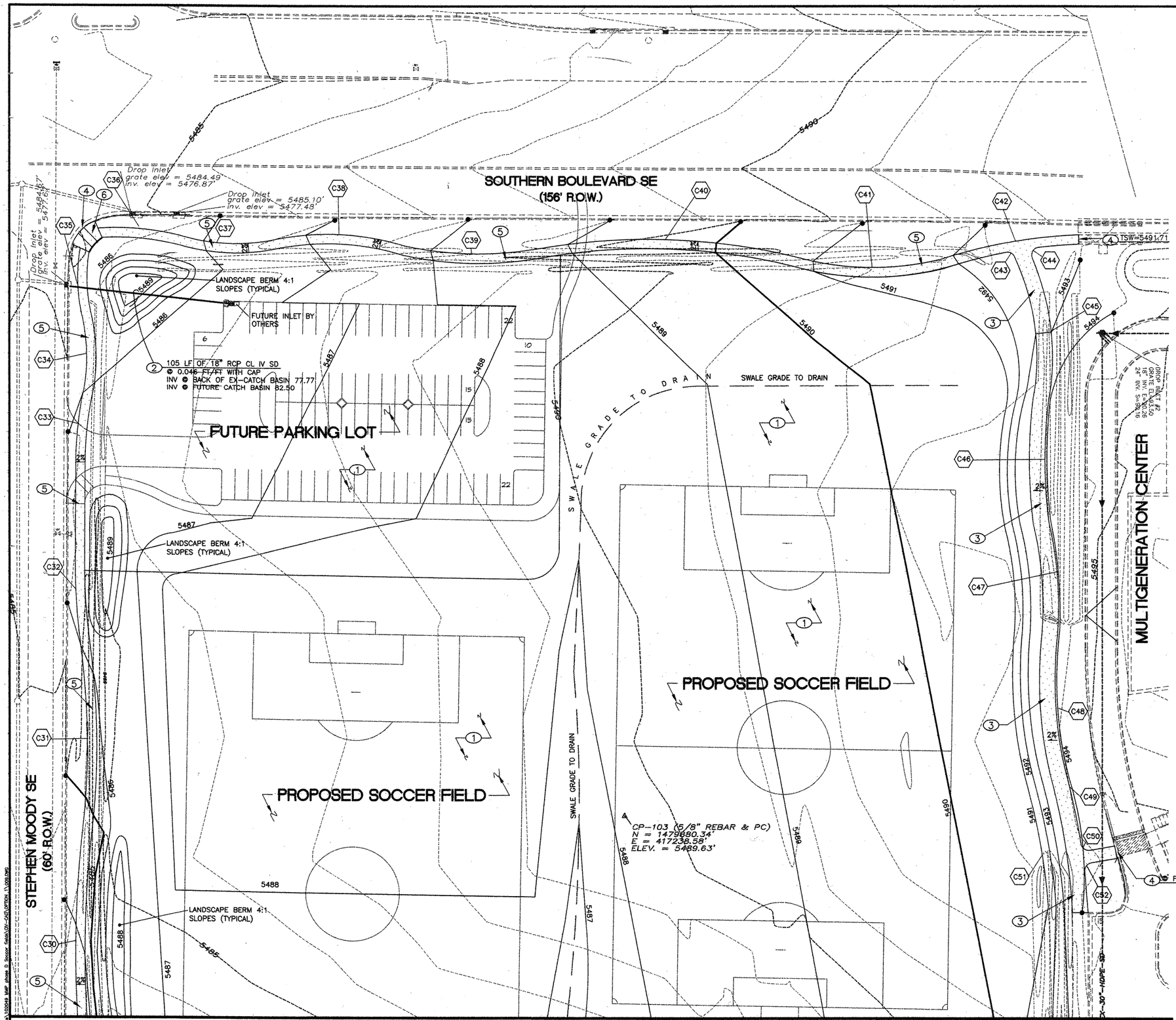
ENGINEERS SEAL
PATRICK J. CONLEY NEW MEXICO 10141 REGISTERED PROFESSIONAL ENGINEER
[illegible] 10/17/03

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN
DESIGNED BY SEC DATE 10/03
DRAWN BY SEC DATE 10/03
CHECKED BY SEC DATE 10/03

Z:\Projects\102049 MMP phase D Soccer fields\CIV-CAD\OPTION 1\ 008.DWG

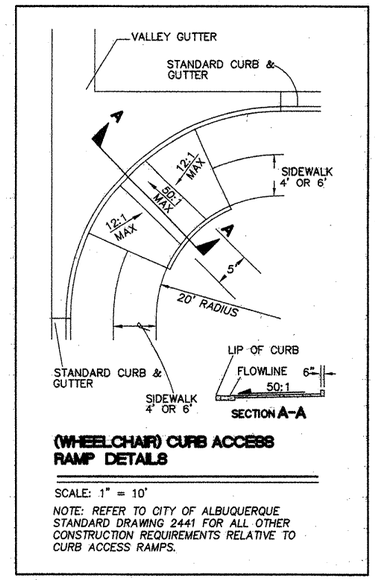


KEYED NOTES:

1. GRADE SITE TO CONTOURS AND SPOT ELEVATION SHOWN.
2. INSTALL 18" RCP CLASS IV STORM DRAIN PIPE, @ SLOPE AS SHOWN IN THIS SHEET.
3. CONSTRUCT NEW 10' WIDE SIDEWALK PER C.O.A. STD. DWG 2430, SLOPE 2% TOWARDS SOCCER FIELDS.
4. MATCH EXISTING ELEVATIONS.
5. CONSTRUCT NEW 6' WIDE SIDEWALK PER C.O.A. STD. DWG 2430, SLOPE 2% AS SHOWN IN THESE PLANS
6. CONSTRUCT HANDICAP RAMP PER DETAIL THIS SHEET

NOTES:

1. FOR CURVE DATA SEE TABLE SHEET 10 OF 20
2. CURVE DATA FOR OUTSIDE EDGE OF SIDEWALK UNLESS OTHERWISE SHOWN.



(WHEELCHAIR) CURB ACCESS RAMP DETAILS

SCALE: 1" = 10'

NOTE: REFER TO CITY OF ALBUQUERQUE STANDARD DRAWING 2441 FOR ALL OTHER CONSTRUCTION REQUIREMENTS RELATIVE TO CURB ACCESS RAMPS.

N

15' 0 30' 60'

SCALE: 1" = 30'

AS BUILT INFORMATION

CONTRACTOR — DATE
SURVEYED BY — DATE
INSPECTORS ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

BENCH MARKS

C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND THE FUTURE INTERSECTION GO DIRECTLY EAST 292 FEET
ELEVATION 5500.67'
GROUND COORDINATES: NORTHING=1,481,746.33 EASTING =418,123.51
GRID COORDINATES: NORTHING=1,481,220.09 EASTING =417,975.01
GROUND TO GRID 0.999644950

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEERS SEAL

PATRICK J. COMLEY NEW MEXICO 14141 REGISTERED PROFESSIONAL ENGINEER 10/14/03

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY SEC DATE 10/03	
		DRAWN BY SEC DATE 10/03	
		CHECKED BY SEC DATE 10/03	

102049
Smith Engineering Company
A Full Service Engineering Company
6121 Indian Boulevard, N.E. Suite 9002 Albuquerque, New Mexico 87110

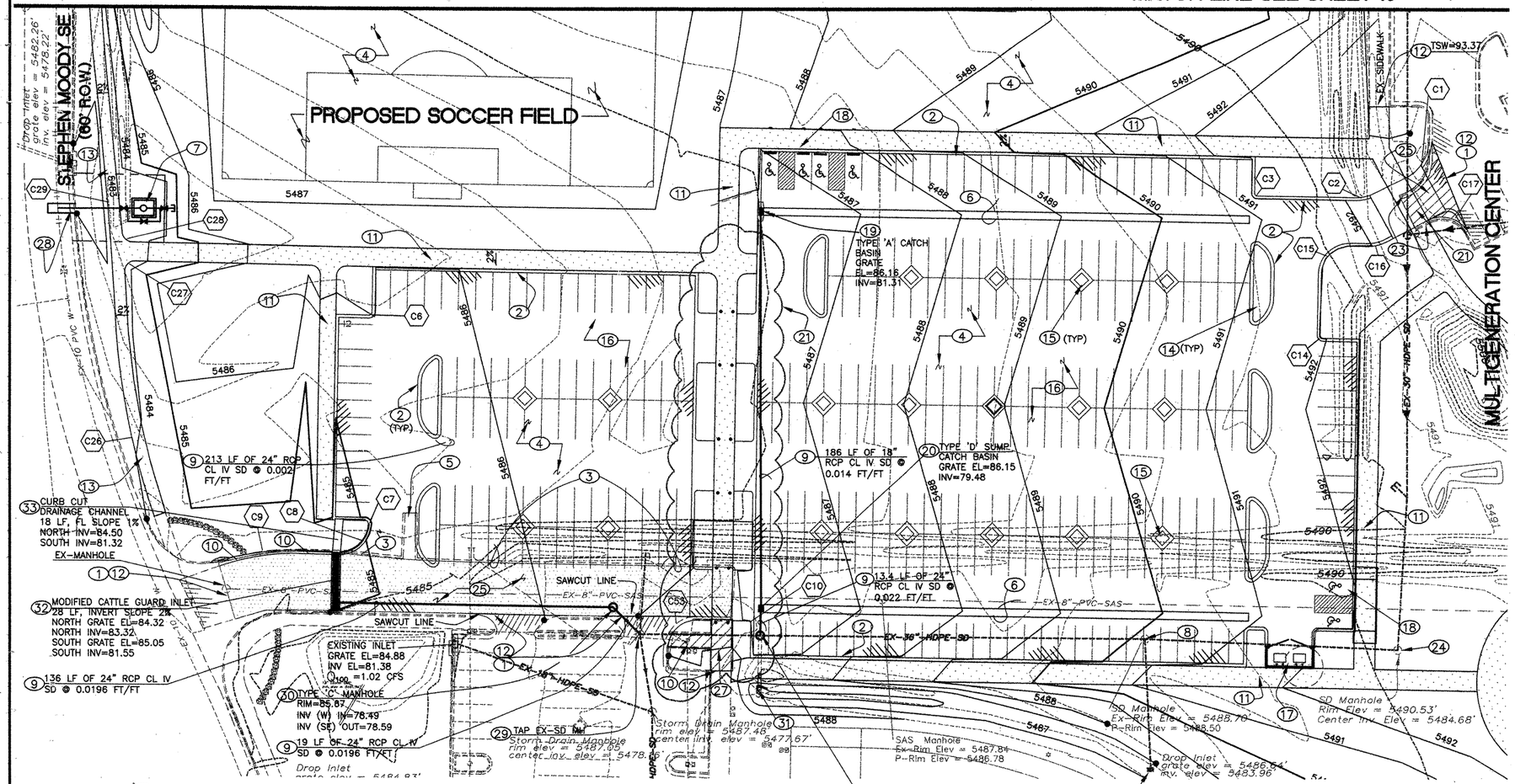
CITY OF ALBUQUERQUE
PARKS AND RECREATION DEPARTMENT

TITLE: MANZANO MESA PHASE D SOCCER FIELDS
LAYOUT PLAN

Design Review Committee: APPROVED DEC - 2 2003 DESIGN REVIEW COMMITTEE
City Engineer: APPROVED DEC - 2 2003 CITY ENGINEER
Last Design Update

No. / Day / Yr.	No. / Day / Yr.

City Project No. 496092 | Zone Map No. L-21-Z | Sheet No. | Drawing No. 9 of 23



KEYED NOTES:

1. EDGE OF NEW PERMANENT PAVEMENT, SEE SHEET 13 FOR SECTIONS.
2. CONSTRUCT NEW MEDIAN CURB & GUTTER PER COA STANDARDS DRAWING 2415A.
3. REMOVE & DISPOSE 284 LF EXISTING EXTRUDED ASPHALT CURB & GUTTER
4. GRADE SITE TO CONTOURS AND SPOT ELEVATION SHOWN.
5. REMOVE AND DISPOSE OF EXISTING DRAINAGE CHANNEL.
6. CONSTRUCT 488 LF OF ALLEY GUTTER PER COA STANDARD DRAWING 2415A.
7. INSTALL 8'X 10' WATER METER PIT (VAULT) PER DETAIL SHEET 13
8. RAISE EXISTING MANHOLE RIM TO MATCH TOP OF ASPHALT
9. INSTALL RCP CLASS IV STORM DRAIN PIPE, @ SLOPE AS SHOWN IN THIS SHEET.
10. CONSTRUCT 60 LF OF STD C & G PER C.O.A. STD. DWG. 2415A. TRANSTION TO MEDIAN C & G AT CATTLE GUARD INLET.
11. CONSTRUCT NEW 10' SIDEWALK PER COA STD. DWG 2430, SLOPE 2% TOWARDS PARKING LOT.
12. MATCH EXISTING ELEVATIONS
13. CONSTRUCT NEW 6' SIDEWALK PER COA STD DWG 2430, SLOPE 2% AS SHOWN IN THIS SHEET.
14. CONSTRUCT ISLAND PER DETAIL SHEET 13, TYPICAL OF ALL.
15. CONSTRUCT PLANTER AREAS, SEE ARCHITECTURAL PLANS FOR DETAILS, TYPICAL OF ALL.
16. INSTALL 3" OF PARKING LOT ASPHALT PAVEMENT PER PAVEMENT SECTION DETAIL SHEET 13
17. DUMPSITE ENCLOSURE: SEE ARCHITECTURAL PLANS FOR DETAILS. PAD ELEVATION AS SHOWN ON SHEET 12.
18. CONSTRUCT NEW HANDICAP RAMP, INSTALL PAVEMENT MARKINGS WITH HANDICAP PAVEMENT MARKINGS. FURNISH & INSTALL HANDICAP SIGN AND POST WITH "VAN ACCESSIBLE", AND 6' LONG 4000 PSI PRECAST CONC. PARKING BARRIERS ANCHORED WITH @-#5 X 15" INTO PVMT. ELEVATIONS AT SHOWN DETAIL SHEET 13.
19. INSTALL STORM DRAIN INLET SINGLE TYPE 'A' PER COA STD DWG. 2201 AT INVERT & GRATE ELEVATIONS SHOWN.
20. INSTALL STORM DRAIN INLET SINGLE TYPE 'D' PER COA STD DWG 2206 AT INVERT & GRATE ELEVATIONS SHOWN.
21. CONTRACTOR TO CONSTRUCT ELEVATED SIDEWALK RAMPS & CURB & GUTTER PER DETAIL SHEET 13. TYPICAL FOUR PLACES.
23. CONTRACTOR TO REMOVE AND DISPOSE 55 LF OF CONCRETE CURB AND GUTTER
24. CONTRACTOR TO RAISE SD MANHOLE TO MATCH EXISTING GRADE, RIM=5193.2±
25. SAW CUT, REMOVE AND DISPOSE OF EXISTING ASPHALT PAVEMENT.
26. INSTALL A TYPE 'C' MANHOLE OVER EXISTING STORM DRAIN PIPE AT LOCATION SHOWN, COA STD DWG 2101.
27. SAWCUT, REMOVE & DISPOSE 40 LF CURB & CUTTER AND 45 SY OF CONCRETE HANDICAP RAMP AND SIDEWALK. SEE SHEET 13 FOR DETAILS.
28. SAWCUT, REMOVE, DISPOSE AND REPLACE 6 SY ARTERIAL PVMNT AND 5 LF STD. CURB & GUTTER, PVMNT TO THICKNESS TO MATCH EXISTING + 2"
29. CONTRACTOR TO TAP NEW 24" RCP SD TO EXISTING SD MH INV=5478.26.
30. INSTALL A TYPE 'C' MANHOLE AT LOCATION SHOWN, COA STD DWG 2101.
31. CONTRACTOR TO PROTECT INLET PIPE FROM SEDIMENT DURING AND AFTER CONSTRUCTION WITH SILT FENCE. CONTRACTOR SHALL GRADE EXISTING DRAINAGE DITCH TO FLOW SMOOTHLY TO EXISTING INLET & PIPE, CONTRACTOR TO EXTEND DRAINAGE PIPE 9 LF OF 18" HDPE PIPE @ 1% AS NEEDED TO DRAIN DITCH PROPERLY AND CONSTRUCT A CONCRETE HEAD WALL PER DETAIL THIS SHEET.
32. CONTRACTOR TO CONSTRUCTED MODIFED CATTLE GUARD INLET C.O.A. STD. DWG. 2271. MODIFICATIONS PER DETAIL SHEET 13.
33. CONTRACTOR TO CONSTRUCT CONCRETE RECTANGULAR DRAINAGE CHANNEL AND CURB CUT, SEE SHEET 13 FOR DETAILS.
34. CONTRACTOR TO PROTECT INLET PIPE FROM SEDIMENT DURING AND AFTER CONSTRUCTION WITH SILT FENCE. CONTRACTOR SHALL GRADE EXISTING DRAINAGE DITCH TO FLOW SMOOTHLY TO EXISTING INLET.

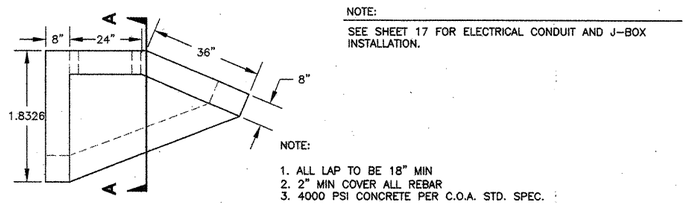
CURVE DATA *

NO.	DELTA	TANGENT (FEET)	RADIUS (FEET)	LENGTH (FEET)
C1	63°25'31"	8.96'	14.50'	16.05'
C2	23°12'39"	5.24'	25.50'	10.33'
C3	90°00'00"	1.50'	1.50'	2.26'
C4	90°00'00"	1.50'	1.50'	2.26'
C5	90°00'00"	1.50'	1.50'	2.26'
C6	90°00'00"	1.50'	1.50'	2.26'
C7	93°01'57"	1.58'	1.50'	2.44'
C8	86°59'12"	13.76'	14.50'	22.01'
C9	14°21'29"	20.56'	163.21'	40.90'
C10	90°00'00"	1.50'	1.50'	2.36
C14	90°00'00"	1.50'	1.50'	2.26'
C15	90°00'00"	14.50'	14.50'	22.78'
C16	23°12'39"	10.37'	50.50'	20.46'
C17	91°56'13"	1.55'	1.50'	2.41'
C26	14°1'25"	47.39	385.30'	94.31
C27	94°38'51"	5.42	5.00'	8.26

*ALL CURVE DATA FOR CURB & GUTTER IS AT FLOWLINE

CURVE DATA *

NO.	DELTA	TANGENT (FEET)	RADIUS (FEET)	LENGTH (FEET)
28	84°50'15"	4.57'	5.00'	7.40'
29	03°38'57"	70.79'	2222.36'	141.54'
30	12°29'06"	71.25'	651.33'	141.93'
31	16°16'11"	58.89'	411.97'	116.98'
32	10°42'31"	26.21'	279.62'	52.26'
33	09°38'23"	22.25'	263.81'	44.39
34	21°36'42"	22.07'	115.63'	43.62'
35	23°51'12"	22.47'	106.36'	44.28'
36	17°04'24"	26.44'	176.12'	52.48'
37	26°50'47"	29.82'	124.96'	58.55'
38	29°33'48"	44.71'	169.46'	87.44'
39	22°02'29"	43.56'	223.68'	86.05'
40	23°25'50"	83.67'	403.48'	165.00'
41	28°34'21"	48.42'	190.16'	94.83'
42	15°29'28"	48.30'	333.04'	90.04'
43	75°12'30"	3.85'	5.00'	6.56'
44	106°23'52"	6.68'	5.00'	9.29'
45	33°31'29"	47.63'	158.14'	92.53'
46	13°33'44"	39.26'	330.17'	78.15'
47	17°47'21"	36.72'	234.63'	72.85'
48	21°09'05"	47.10'	252.28'	93.13'
49	05°32'12"	20.53'	424.51'	41.02'
50	91°08'32"	5.10'	5.00'	7.95'
51	86°27'16"	4.70'	5.00'	7.54'
52	03°34'32"	13.25'	424.51'	26.49'
53	90°00'00"	14.50'	14.50'	22.74'



CONCRETE HEADWALL DETAIL

SCALE: 1"=2'

NOTE:

SEE SHEET 17 FOR ELECTRICAL CONDUIT AND J-BOX INSTALLATION.

NOTE:

1. ALL LAP TO BE 18" MIN
2. 2" MIN COVER ALL REBAR
3. 4000 PSI CONCRETE PER C.O.A. STD. SPEC.

N

SCALE: 1" = 30'

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS REVISED BY — DATE

BENCH MARKS
C.O.A. BENCHMARK "6-L21" FROM THE INTERSECTION OF EUBANK AND THE FUTURE INTERSECTION GO DIRECTLY EAST 292 FEET
ELEVATION 5500.67'
GROUND COORDINATES: NORTHING=1,481,746.33 EASTING =418,123.51
GRID COORDINATES: NORTHING=1,481,220.09 EASTING =417,975.01
GROUND TO GRID 0.999644850

SURVEY INFORMATION
FIELD NOTES BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

ENGINEERS' SEAL
PATRICK J. CONLEY NEW MEXICO 10141 REGISTERED PROFESSIONAL ENGINEER
10/17/03

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY	SEC
		DRAWN BY	SEC
		CHECKED BY	SEC

REVISIONS
DATE 10/03
DATE 10/03
DATE 10/03

102049
Smith Engineering Company
A Full Service Engineering Company
6400 Uptown Boulevard, N.E. Suite 500E Albuquerque, New Mexico 87110

CITY OF ALBUQUERQUE
PARKS AND RECREATION DEPARTMENT

TITLE: MANZANO MESA PHASE D SOCCER FIELDS
LAYOUT PLAN + CURVE TABLES

Design Review Committee: APPROVED DEC - 2 2003 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED DEC - 2 2003 CITY ENGINEER
Last Design Update: No. / Day / Yr. | No. / Day / Yr.

City Project No. 498092 | Zone Map No. L-21-Z | Sheet No. | Drawing No. 10 of 23

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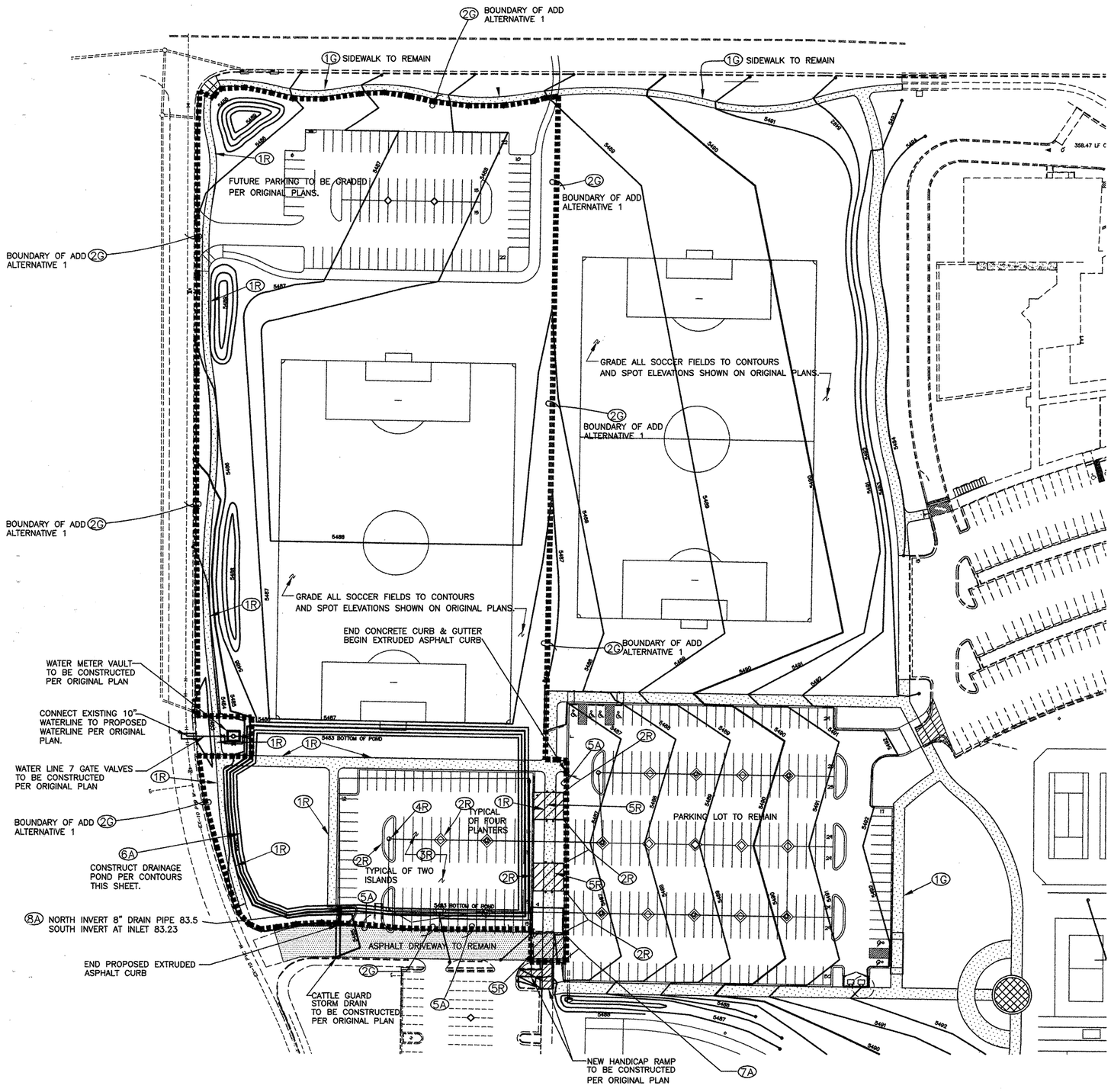

KEYEDNOTES - REMOVALS - ADD ALTERNATIVE 1

1R DEDUCT 1217 SY OF SIDEWALK FROM ORIGINAL PLAN.

2R DEDUCT 819 LF OF CURB & GUTTER (INCLUDES MEDIAN, PLANTERS, ETC.) FROM ORIGINAL PLAN.

3R DEDUCT 5432 SY OF PAVEMENT & 2716 SY BASECOURSE FROM ORIGINAL PLAN.

4R ELECTRICAL CONDUIT & JUNCTION BOXES WITHIN THE BOUNDRY LIMITS OF ALTERNATIVE 1 PLAN NOT TO BE INSTALLED. ALL OF THE CONDUIT LINES TO BE TERMINATED & CAPPED AT THE ALTERNATIVE 1 PLAN BOUNDRY LIMITS.

5R DEDUCT 3 OF 4 ELEVATED CONCRETE SIDEWALK/RAMPS: 94 CY REINFORCED STRUCTUAL CONCRETE.

6R DEDUCT CONCRETE DRAINAGE CHANNEL, 1 CY REINFORCED STRUCTUAL CONCRETE.

KEYEDNOTES - ADDITIONS - ADD ALTERNATIVE 1

5A ADD 425 LF OF ASPHALT CURB & GUTTER TO ORIGINAL PLAN.

6A ADD DRAINAGE POND PER CONTOURS THIS SHEET, GRADE PER ORGINAL PLAN THEN EXCAVATE 3300 CY FOR POND, STOCKPILE EXCESS PER C.O.A. DIRECTION.

7A ADD 81 SY OF ASPHALT ROAD & BASECOURSE PER PAVEMENT SECTION ORIGINAL PLANS

8A ADD 20 LF OF 8" PVC DRAIN PIPE AT INVERTS SHOWN, PROTECT INVERT IN POND WITH SILT FENCE, COMPLETE IN PLACE

KEYEDNOTES - GENERAL - ADD ALTERNATIVE 1

1G PROPOSED SIDEWALK TO BE CONSTRUCTED PER ORIGINAL PLAN.

2G REVISED AREA PER ADD ALTERNATIVE PLAN.

LEGEND - ADD ALTERNATIVE 1

BOUNDARY LIMITS OF ADD ALTERNATIVE 1

ELEVATED SIDEWALK AREAS TO BE REMOVED FROM ORIGINAL PLAN.

ADDITIONAL ASPHALT PAVEMENT PER ADD ALTERNATIVE 1 PLAN.

N

50' 25' 0 50' 100'

SCALE: 1" = 50'

AS BUILT INFORMATION

CONTRACTOR

WORK STARTED BY DATE

WORK ACCEPTANCE BY DATE

VERIFICATION BY DATE

DRAWINGS CORRECTED BY DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

C.O.A. BENCHMARK "6-L21"

FROM THE INTERSECTION OF ELBANK AND THE FUTURE INTERSECTION GO DIRECTLY EAST 292 FEET

ELEVATION 5500.67'

GROUND COORDINATES: NORTHING=1,481,746.33 EASTING =418,123.51

GRID COORDINATES: NORTHING=1,481,220.09 EASTING =417,975.01

GROUND TO GRID 0.999644850

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEERS SEAL

PATRICK J. CONLEY NEW MEXICO 10141 REGISTERED PROFESSIONAL ENGINEER

12/8/03

NO.	BY	REMARKS	DATE
		REVISIONS	
		DESIGN	DATE 10/03
		DESIGNED BY SEC	DATE 10/03
		DRAWN BY SEC	DATE 10/03
		CHECKED BY SEC	

102049

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CITY OF ALBUQUERQUE
PARKS AND RECREATION DEPARTMENT

TITLE: MANZANO MESA PHASE D SOCCER FIELDS
ADD ALTERNATIVE 1

Design Review Committee	City Engineer Approval	Last Design Update	No. / Day / Yr.	No. / Day / Yr.

City Project No.	Zone Map No.	Sheet No.	Drawing No.
498092	L-21-Z		10A of 23

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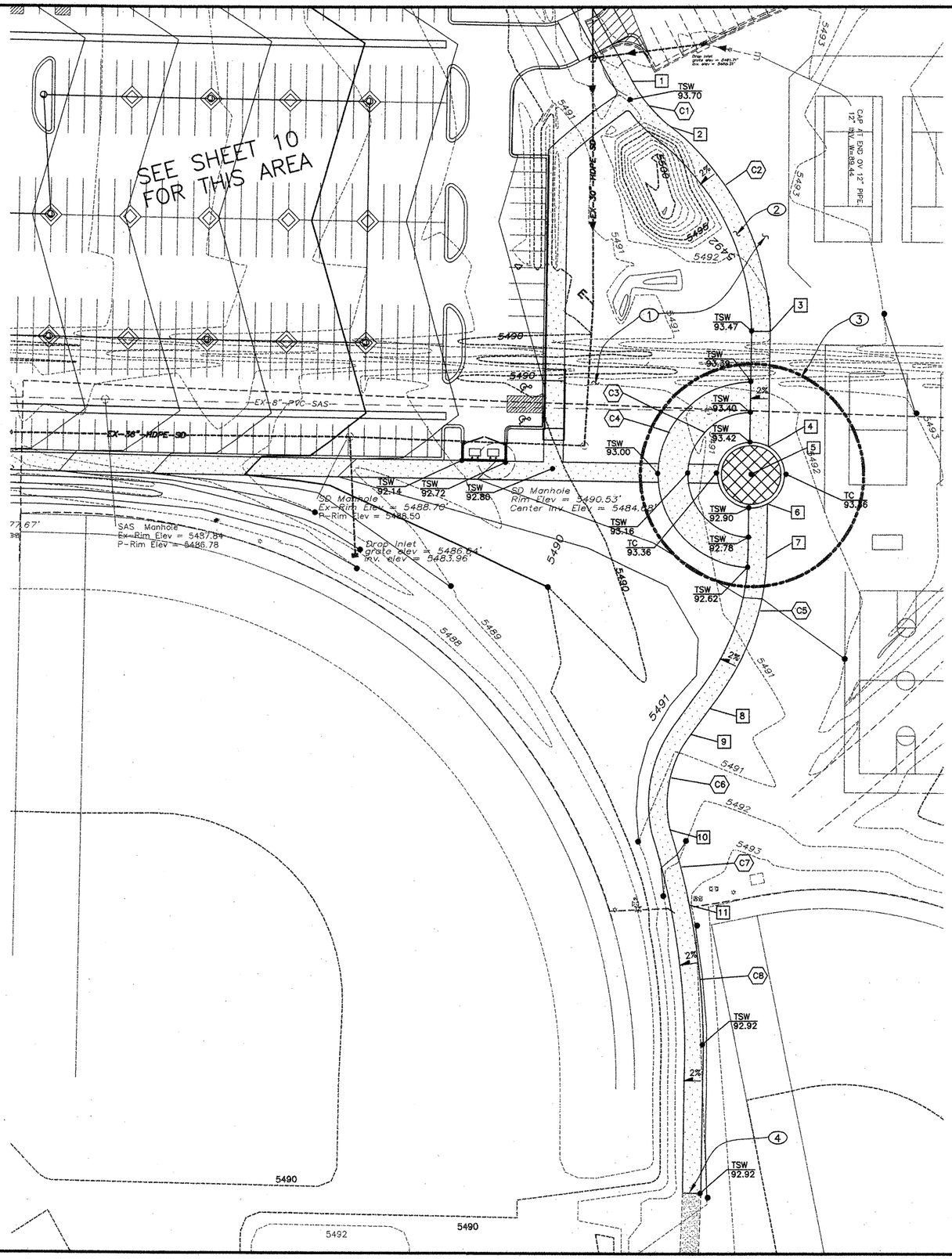

KEYED NOTES:

1. GRADE SITE TO CONTOURS AND SPOT ELEVATION SHOWN.
2. CONSTRUCT NEW 10' SIDEWALK PER COA STD DWG 2430, SLOPE 2% TOWARDS PARKING LOT.
3. CONSTRUCT NEW PLAYGROUND AREA – SEE ARCHITECTURAL PLANS FOR DETAILS.
4. MATCH EXISTING

CURVE DATA

NO.	DELTA	TANGENT (FEET)	RADIUS (FEET)	LENGTH (FEET)
C1	24°56'38"	16.31'	73.75'	32.11'
C2	50°44'49"	66.93'	141.13'	125.00'
C3	176°37'52"	1156.20'	34.00'	104.82'
C4	177°30'16"	2295.52'	50.00'	177.50'
C5	37°56'51"	45.28'	131.69'	87.22'
C6	50°17'47"	28.07'	59.80'	52.49'
C7	06°04'50"	21.48'	404.43'	42.92'
C8	13°31'18"	47.41'	402.47'	94.98'

NODE DATA (ALL SPOTS ARE FLOWLINE UNLESS OTHERWISE NOTED)

NODE ID	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1479626.4	417566.0	5493.55	PC, TOP OF SIDEWALK
2	1479602.0	417586.4	5493.52	PCC, TOP OF SIDEWALK
3	1479493.3	417639.9	5493.59	TOP OF SIDEWALK
4	1479431.8	417638.8	5493.62	TOP OF SIDEWALK
5	1479400.6	417638.2	ARCH PLAN	CENTER OF PLAYGROUND
6	1479400.6	417524.5	5493.10	TOP OF SIDEWALK
7	1479371.2	417637.8	5492.90	TOP OF SIDEWALK
8	1479290.8	417607.1	5491.43	TOP OF SIDEWALK
9	1479277.6	417597.1	5491.53	TOP OF SIDEWALK
10	1479228.1	417585.6	5491.63	TOP OF SIDEWALK
11	1479186.5	417596.1	EXIST	END OF SIDEWALK

N

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

AS BUILT INFORMATION
CONTRACTOR
STAKED BY DATE
INSPECTOR'S NOTES/CHANGES BY DATE
FIELD VERIFICATION BY DATE
DRAWING CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
C.O.A. BENCHMARK "8-L21"
FROM THE INTERSECTION OF EUBANK AND THE FUTURE INTERSECTION GO DIRECTLY EAST 292 FEET
ELEVATION 5500.67'
GROUND COORDINATES: NORTHING=1,481,746.33 EASTING =418,123.51
GRID COORDINATES: NORTHING=1,481,220.09 EASTING =417,975.01
GROUND TO GRID 0.999644850

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEERS SEAL
PATRICK J. CONLEY NEW MEXICO 10141 REGISTERED PROFESSIONAL ENGINEER
10/6/03

REVISIONS
NO. DATE REMARKS BY
DESIGN
DESIGNED BY SEC DATE 10/03
DRAWN BY SEC DATE 10/03
CHECKED BY SEC DATE 10/03

102049
Smith Engineering Company
A Full Service Engineering Company
6400 Uptown Boulevard, N.E. Suite 500E Albuquerque, New Mexico 87110

CITY OF ALBUQUERQUE
PARKS AND RECREATION DEPARTMENT

TITLE: MANZANO MESA PHASE D SOCCER FIELDS
LAYOUT PLAN + CURVE TABLES

APPROVED DEC – 2 2003 DESIGN REVIEW COMMITTEE
APPROVED DEC – 2 2003 CITY ENGINEER
Last Design Update: No. / Day / Yr. | No. / Day / Yr.

City Project No. 498092 | Zone Map No. L-21-Z | Sheet No. | Drawing No. 11 of 23

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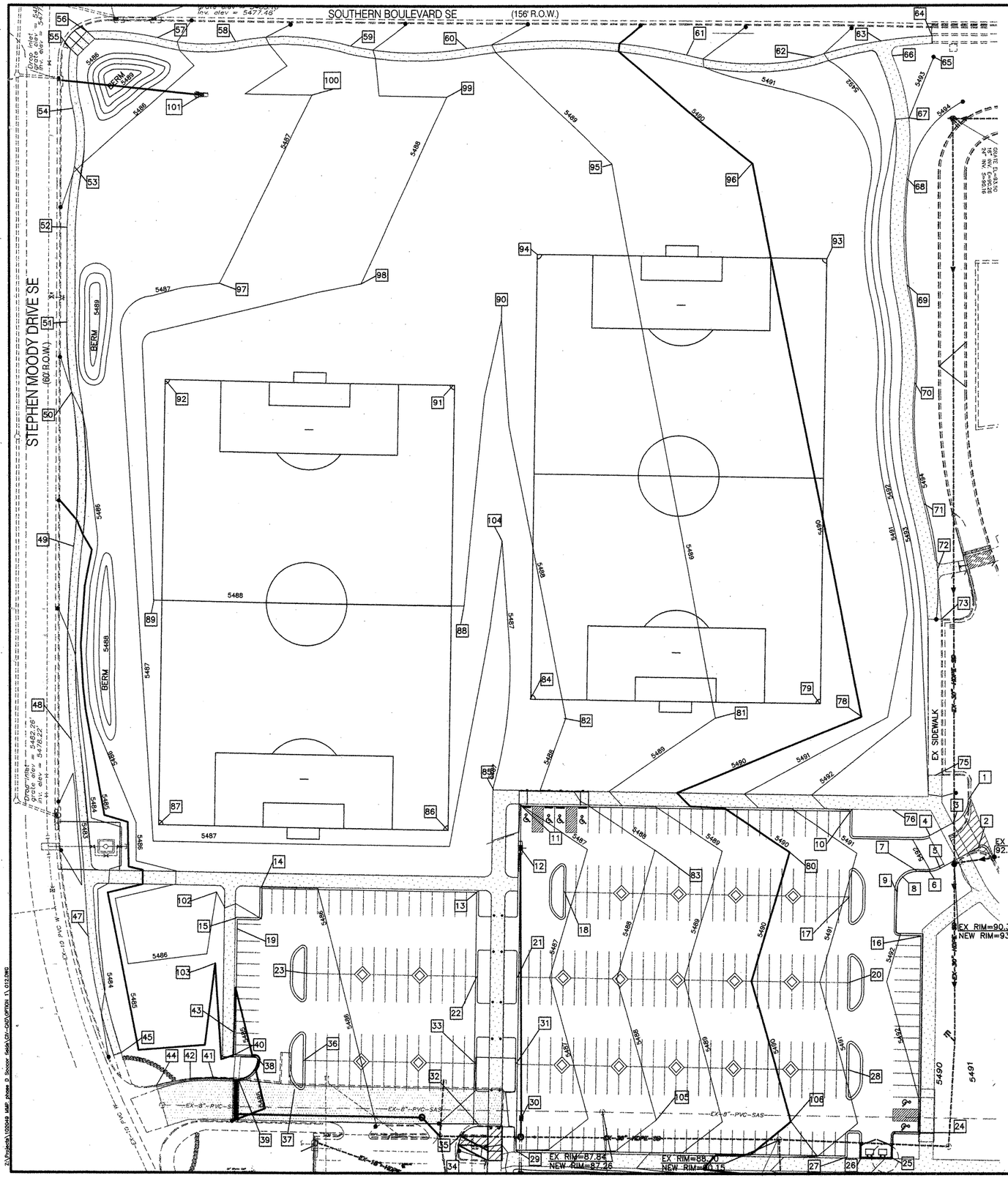


NODE DATA (ALL SPOTS ARE FLOWLINE UNLESS OTHERWISE NOTED)

NODE ID	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1479686.5	417555.8	5492.56	PC FLOWLINE OF CURB RETURN
2	1479668.9	417545.2	5492.76	PCC BASE OF CURB / BR
3	1479660.0	417528.4	5493.00	PT TOP FACE OF CURB RETURN / TR
4	1479660.0	417528.4	5477.12	PC TOP FACE OF CURB RETURN /@ RAMP
5	1479660.0	417528.4	5492.27	PCC FLOWLINE OF CURB
6	1479633.6	417524.5	5492.00	PT FLOWLINE OF CURB RETURN
7	1479633.7	417516.6	5491.90	PT FLOWLINE OF CURB RETURN
8	1479629.5	417506.0	5491.82	PCC FLOWLINE OF CURB
9	1479619.0	417501.4	5491.74	PC FLOWLINE OF CURB RETURN
10	1479678.6	417468.4	5491.88	FLOWLINE INTERSECTION
11	1479682.7	417221.9	5487.00	FLOWLINE INTERSECTION
12	1479682.7	417221.9	5486.00	TOP OF GRATE @ FL
13	1479619.2	417190.8	5486.70	FLOWLINE INTERSECTION
14	1479621.9	417029.4	5485.75	FLOWLINE INTERSECTION
15	1479598.1	417011.0	5485.40	FLOWLINE INTERSECTION
16	1479586.2	417520.8	5492.34	FLOWLINE INTERSECTION
17	1479614.6	417467.3	5491.02	MID PT OF ISLAND @ FLOWLINE OF CURB
18	1479618.1	417254.8	5486.84	MID PT OF ISLAND @ FLOWLINE OF CURB
19	1479590.1	417011.9	5485.55	TOP CENTER OF GRATE
20	1479550.6	417466.2	5491.42	MID PT OF ISLAND @ FLOWLINE OF CURB
21	1479554.7	417219.8	5486.53	FLOWLINE @ MID PT OF CURB
22	1479555.2	417189.8	5486.89	FLOWLINE @ MID PT OF CURB
23	1479557.3	417062.3	5485.68	MID PT OF ISLAND @ FLOWLINE OF CURB
24	1479441.7	417518.4	5492.00	FLOWLINE INTERSECTION
25	1479424.2	417497.5	5492.12	TOP CONC AT BACK OF DUMPSTER PAD
26	1479424.6	417474.8	5491.64	TOP CONC AT BACK OF DUMPSTER PAD
27	1479424.8	417464.1	5491.42	FLOWLINE INTERSECTION
28	1479486.6	417465.2	5491.05	MID PT OF ISLAND @ FLOWLINE OF CURB
29	1479428.7	417217.7	5487.00	FLOWLINE INTERSECTION
30	1479458.6	417222.5	5486.00	TOP CENTER OF GRATE
31	1479490.7	417218.7	5486.31	FLOWLINE @ MID PT OF CURB
32	1479447.2	417190.8	5486.50	PT FLOWLINE OF CURB RETURN
33	1479491.9	417188.6	5486.54	FLOWLINE @ MID PT OF CURB
34	1479432.5	417197.4	5487.52	PC FLOWLINE OF CURB RETURN
35	1479439.7	417177.7	5487.05	PCC FLOWLINE OF CURB RETURN
36	1479493.3	417061.2	5485.51	FLOWLINE @ MID PT OF CURB
37	NOT USED			
38	1479493.7	417027.2	5484.88	PC FLOWLINE OF CURB RETURN
39	1479479.9	417013.6	5484.43	PTPC FLOWLINE OF CURB RETURN
40	1479496.2	417009.3	5484.50	FLOWLINE INTERSECTION
41	1479480.1	416992.1	5484.65	PCC FLOWLINE OF CURB RETURN
42	1479474.5	416951.8	5484.40	PT FLOWLINE OF CURB RETURN
43	1479521.7	417009.8	5484.50	FLOWLINE OF CURB
44	1479474.6	416951.8	5484.35	PT FLOWLINE OF CURB RETURN
45	1479498.8	416925.4	5484.04	PC TOP OF SIDEWALK
46	NOT USED			
47	1479589.0	416900.9	5483.57	PC TOP OF SIDEWALK
48	1479729.8	416889.3	5483.32	PT TOP OF SIDEWALK
49	1479871.4	416891.2	5484.76	PTPC TOP OF SIDEWALK
50	1479988.0	416889.9	5486.00	PC TOP OF SIDEWALK
51	1480040.1	416886.5	5486.33	PT TOP OF SIDEWALK
52	1480109.6	416886.9	5486.23	PC TOP OF SIDEWALK
53	1480153.6	416892.3	5486.02	PT TOP OF SIDEWALK
54	1480197.0	416891.4	5485.67	PC TOP OF SIDEWALK
55	1480240.9	416889.7	5485.44	PT TOP OF SIDEWALK
56	1480254.3	416901.7	5485.52	PC TOP OF SIDEWALK
57	1480250.0	416953.8	5485.76	PTPC TOP OF SIDEWALK
58	1480247.0	417012.3	5486.78	PT TOP OF SIDEWALK
59	1480243.9	417098.2	5487.82	PTPC TOP OF SIDEWALK
60	1480242.2	417183.7	5488.81	PT TOP OF SIDEWALK
61	1480237.2	417347.6	5490.86	PTPC TOP OF SIDEWALK
62	1480235.6	417441.3	5491.91	PTPC TOP OF SIDEWALK
63	1480247.4	417493.5	5492.47	PCC TOP OF SIDEWALK
64	1480251.2	417529.6	MATCH EX	PT TOP OF SIDEWALK
65	1480235.1	417531.0	5493.00	TOP OF GROUND
66	1480236.2	417500.0	5492.67	PC TOP OF SIDEWALK
67	1480189.9	417510.4	5493.00	PCC TOP OF SIDEWALK
68	1480145.3	417509.4	5493.90	PTPC TOP OF SIDEWALK
69	1480067.8	417510.4	5493.90	PTPC TOP OF SIDEWALK
70	1479995.3	417516.1	5493.90	PTPC TOP OF SIDEWALK
71	1479902.7	417522.9	5493.90	PTPC TOP OF SIDEWALK
72	1479853.6	417532.6	5494.00	PT TOP OF SIDEWALK
73	1479845.1	417533.5	5494.08	PC TOP OF SIDEWALK @ EXISTING
74	NOT USED			
75	NOT USED			
76	1479678.5	417499.2	5492.38	PT TOP SIDEWALK
77	NOT USED			
78	1479747.6	417475.9	5490.00	TOP OF GROUND @ CONTOUR PT
79	1479757.5	417445.3	5489.73	TOP OF GROUND
80	1479647.4	417421.1	5490.00	FLOWLINE ALLEY GUTTER/CONTOUR PT
81	1479746.9	417367.4	5489.00	TOP OF GROUND @ CONTOUR PT
82	1479746.9	417256.3	5488.00	TOP OF GROUND @ CONTOUR PT
83	1479648.9	417321.0	5488.00	FLOWLINE ALLEY GUTTER/CONTOUR PT
84	1479761.1	417230.4	5487.40	TOP OF GROUND/CORNER OF SOCCER FIELD
85	1479693.5	417202.1	5487.00	TOP OF GROUND/CORNER OF SIDEWALK
86	1479663.6	417168.7	5487.05	TOP OF GROUND/CORNER OF SOCCER FIELD
87	1479667.2	416953.7	5487.05	TOP OF GROUND/CORNER OF SOCCER FIELD
88	1479828.6	417180.9	5488.00	TOP OF GROUND @ CONTOUR PT
89	1479832.3	416950.4	5488.00	TOP OF GROUND @ CONTOUR PT
90	1480042.8	417209.1	5488.00	TOP OF GROUND @ CONTOUR PT FL SWALE
91	1479993.5	417174.2	5490.00	TOP OF GROUND/CORNER OF SOCCER FIELD
92	1479997.1	416959.3	5490.00	TOP OF GROUND/CORNER OF SOCCER FIELD
93	1480087.4	417450.8	5490.39	TOP OF GROUND/CORNER OF SOCCER FIELD
94	1480091.0	417235.9	5488.38	TOP OF GROUND/CORNER OF SOCCER FIELD
95	1480156.6	417291.6	5489.00	TOP OF GROUND @ CONTOUR PT
96	1480156.7	417385.9	5490.00	TOP OF GROUND @ CONTOUR PT
97	1480069.0	417105.0	5487.00	TOP OF GROUND @ CONTOUR PT
98	1480069.0	416999.8	5487.00	TOP OF GROUND @ CONTOUR PT
99	1480205.7	417168.6	5488.00	TOP OF GROUND @ CONTOUR PT
100	1480207.6	417068.8	5487.00	TOP OF GROUND @ CONTOUR PT
101	1480207.2	416984.7	5486.40	TOP OF GROUND @ CAP
102	1479617.9	416996.7	5486.00	TOP OF GROUND @ FL OF SWALE
103	1479564.3	416995.4	5485.00	TOP OF GROUND @ FL OF SWALE
104	1479875.9	417209.2	5487.00	FL OF SWALE
105	1479451.2	417322.9	5488.00	FLOWLINE ALLEY GUTTER/CONTOUR PT
106	1479450.0	417422.7	5490.00	FLOWLINE ALLEY GUTTER/CONTOUR PT

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND THE FUTURE INTERSECTION GO DIRECTLY EAST 292 FEET
ELEVATION 5500.67'
GROUND COORDINATES: NORTHING=1,481,746.33
EASTING =418,123.51
GRID COORDINATES: NORTHING=1,481,220.09
EASTING =417,975.01
GROUND TO GRID Q.999644850

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

ENGINEERS SEAL
PATRICK J. CONLEY NEW MEXICO 10141 REGISTERED PROFESSIONAL ENGINEER
10/17/03

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY	SEC
		DRAWN BY	SEC
		CHECKED BY	SEC

DATE 10/03
DATE 10/03
DATE 10/03

N
40' 20' 0 40' 80'
SCALE: 1" = 40'

102049
Smith Engineering Company
A Full Service Engineering Company
6400 Uptown Boulevard, N.E. Suite 500E Albuquerque, New Mexico 87110

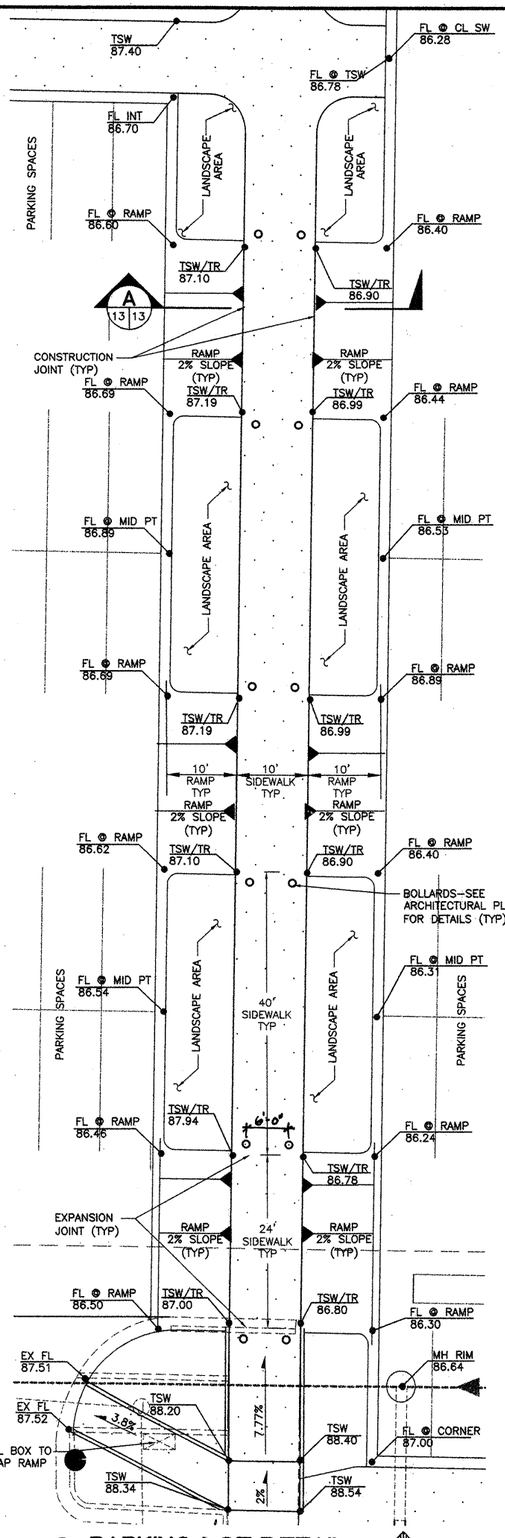
CITY OF ALBUQUERQUE
PARKS AND RECREATION DEPARTMENT

TITLE: MANZANO MESA PHASE D SOCCER FIELDS
NODE DATA SHEET

APPROVED DEC - 2 2003 DESIGN REVIEW COMMITTEE
APPROVED DEC 12 2003 CITY ENGINEER
Last Design Update: No. / Day / Yr. | No. / Day / Yr.

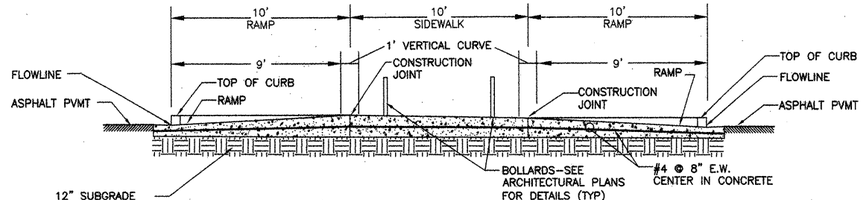
City Project No. 498092 | Zone Map No. L-21-Z | Sheet No. | Drawing No. 12 of 23

Z:\Projects\100048 MSP phase D Soccer fields\CIV-CIVIL\PRSH_1\012.DWG



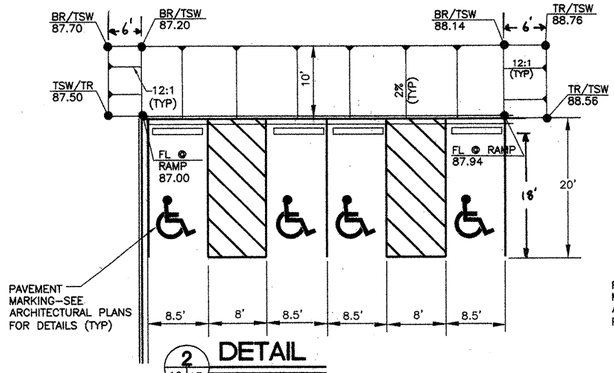
1 10 13 PARKING LOT DETAIL

1"=10'

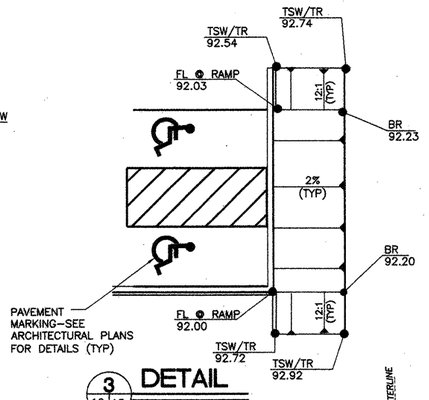


A 13 13 TYPICAL SECTION AT RAMPS

SCALE: 1"=40'



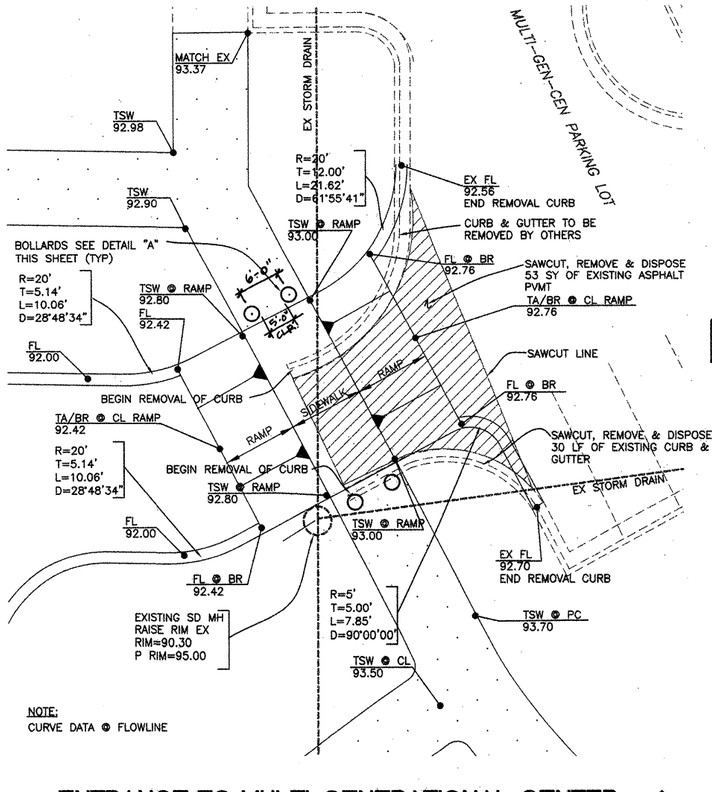
2 10 13 DETAIL



3 10 13 DETAIL

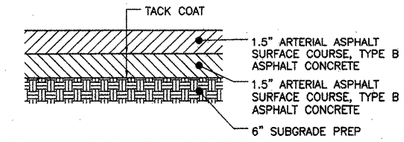
HANDICAP PARKING DETAILS

NOT TO SCALE



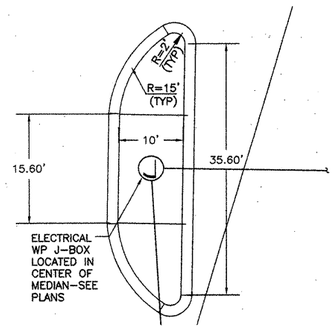
ENTRANCE TO MULTI-GENERATIONAL CENTER

SCALE: 1"=10'



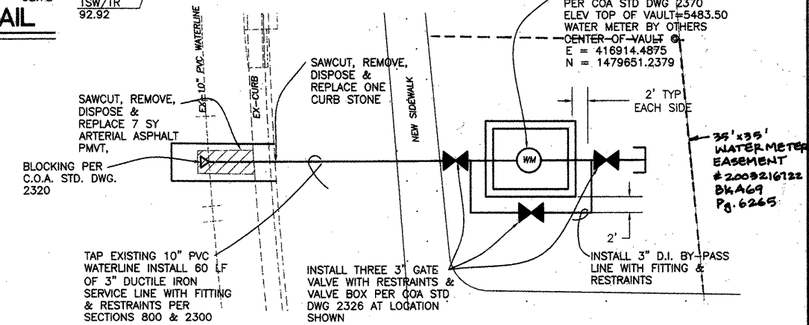
TYPICAL ROADWAY SECTION

NOT TO SCALE



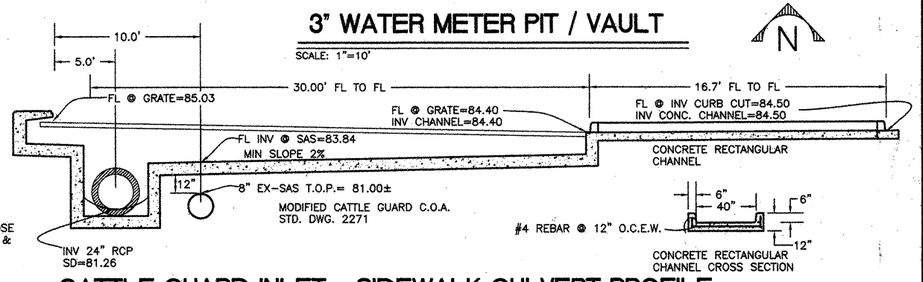
TYPICAL PARKING LOT MEDIAN DETAIL

SCALE: 1"=10'



3" WATER METER PIT / VAULT

SCALE: 1"=10'



CATTLE GUARD INLET - SIDEWALK CULVERT PROFILE

SCALE: 1"=10'

LEGEND

BR	BOTTOM OF RAMP
TR	TOP OF RAMP
TSW	TOP OF SIDEWALK
FL	FLOWLINE
EX	EXISTING
INT	INTERSECTION
PMVT	PAVEMENT

SURVEY INFORMATION

FIELD NOTES

NO.	DATE	BY

AS BUILT INFORMATION

CONTRACTOR — DATE

STAKED BY — DATE

INSPECTOR'S INITIALS — DATE

FIELD VERIFICATION BY — DATE

CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE

NO.

BENCH MARKS

C.O.A. BENCHMARK "6-L21" FROM THE INTERSECTION OF EUBANK AND THE FUTURE INTERSECTION GO DIRECTLY EAST 292 FEET

ELEVATION 5500.67'

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GROUND TO GRID 0.999644850

ENGINEERS SEAL

PATRICK J. CONLEY NEW MEXICO 10141 REGISTERED PROFESSIONAL ENGINEER

12/3/03

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	DATE 10/03
			DESIGNED BY SEC
			DRAWN BY SEC
			CHECKED BY SEC

102049

Smith Engineering Company
A Full Service Engineering Company
5400 Uptown Boulevard, N.E. Suite 300E Albuquerque, New Mexico 87110

CITY OF ALBUQUERQUE
PARKS AND RECREATION DEPARTMENT

TITLE: MANZANO MESA PHASE D SOCCER FIELDS

MISCELLAENOUS DETAILS

APPROVED DEC - 2 2003 PARKS AND RECREATION

APPROVED DEC - 2 2003 CITY ENGINEER

Last Design Update: No. / Day / Yr. | No. / Day / Yr.

City Project No. 498092 | Zone Map No. L-21-Z | Sheet No. | Drawing No. 13 of 23

Z:\Projects\102049 MMP phase D Soccer fields\Civil-COA\Civil\Dgn\ 1-10-13.DWG

STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

1. SITE DESCRIPTION

a. Description and nature of construction activity: Intended use of the property is for construction of a public park. The native vegetation for the site is sparse native grasses and desert type vegetation. The proposed site will be developed as a public park.

The Erosion and Sediment Control Plan (ESCP) is a sheet of this SWPPP. All drainage patterns, areas of soil disturbance, structural controls, and nonstructural controls will be shown on the ESCP. The first major activities that will disturb the soil will consist of the clearing and grubbing the site. After clearing and grubbing are complete, earthwork will begin. After earthwork, the site will be graded to the proposed elevations. The site will consist of both cut and fill areas. The sequence of construction with estimated dates follows.

b. Sequence of Construction Activities

Contractor shall provide final construction schedule after bidding.

1. Construct the silt fences and straw bale barriers as necessary
2. Clear and grub the site.
3. Begin grading the site and excavation for storm drain
4. Start construction of park
5. Pave parking lot
6. Complete grading and install permanent seeding and planting or surface treatment as approved
7. Remove all temporary erosion and sediment control devices (only if site is stabilized). The site is stabilized when all soil disturbing activities are completed and a landscaped cover for unpaved areas, and areas not covered by permanent structures, has been employed.

Important: The contractor shall be responsible for implementing, restoring and/or revising the temporary sediment and erosion control measures (silt fences, straw bale barriers, etc.) as necessary during construction to help prevent soil erosion and storm water pollution. Ongoing inspection and maintenance records MUST be kept throughout the project to the Notice of Termination (NOT).

c. The total area of disturbance for this street and storm drain project is 4.5 acres as shown on the ESCP under "Site Description". Clearing, grading and construction of the site shall proceed in accordance with the general notes on the ESCP and the most current Grading and Drainage Plan, and Landscape Plan.

d. Hydrologic Information (before and after runoff coefficients, etc.) is shown on the ESCP under "Site Description". The storm water from the site will outfall to a storm drain system that outfalls to a lined arroyo.

e. See vicinity map on "Erosion and Sediment Control – Plan" (ESCP) for location and legal description. See the ESCP (attached) for the drainage patterns, soil disturbance areas and the locations of all SWPPP measures. The site will require grading in accordance with the attached ESCP or the most current approved Grading and Drainage Plan (not part of this SWPPP).

f. There are no industrial activities that will occur on this construction site. No concrete or asphalt plants will be located on or adjacent to this site.

g. The receiving waters from this project is the Rio Grande River.

h. A copy of the Permit Requirements as listed in the Federal Register are attached to this document.

2. CONTROLS

a. Erosion and Sediment Controls

(1). Short and Long Term Goals
(a). The short and long term goals of the Erosion and Sediment Controls are to retain sediment on the site to the maximum extent possible.

(2.) Stabilization Practices
(a) Temporary Seeding: Disturbed areas where construction has temporarily ceased must be stabilized within fourteen (14) days of the last disturbance. Areas that will again be disturbed within twenty–one (21) days do not have to be stabilized. Refer to the ESCP, Grading Plan and seeding specifications.
(b) Permanent Stabilization: Disturbed portions of the site where construction activity has permanently stopped shall be permanently seeded as required. These areas shall be seeded no later than 14 days after the last construction activity in that area. Refer to the ESCP, Grading and Drainage Plan and seeding specifications.

(3) Structural Practices: (all are "temporary" unless noted as "final")
(a). Silt Fence: Silt fences shall be placed and constructed in accordance with the ESCP.
(b). Straw Bale Barriers: Straw bale barriers shall be placed and constructed in accordance with the ESCP.
(c). Inlet and Outlet Protection: Inlet and Outlet protection shall be installed at proposed detention pond inlets and curb opening outlets in accordance with the ESCP and the approved Grading and Drainage Plan.
(d). Rock Outlet Protection: Hand placed rip–rap pads shall be provided at discharge points in accordance with the ESCP and the approved Grading and Drainage Plan. These rip–rap pads will provide velocity dissipation and shall be placed as soon as practicable.
(e). Slope Protection: Drainage ditches to be installed at the top and toe of slopes as shown on the Grading Plan. All slopes to be stabilized with Sod, Straw, Mulch or an approved wire or jute mat or combination of the above. Hydro seed slopes as required.
(f). Drainage Systems: All Drainage systems (storm drains (final), detention ponds, etc.) are to be installed per the approved Grading and Drainage Plan and any subsequently approved document. All drainage systems are to be protected in place.
(g). Sediment and Storm Water Runoff Basin: The total construction site area is 4.5 acres. EPA regulations require that a sediment basin / storm water basin be installed to contain the 2–yr. 24–hour storm water runoff volume if the site disturbs greater than 10 acres. Therefore, a sediment and storm water runoff basin is not required and the other controls as listed in this SWPPP will provide adequate sediment and erosion control.

b. Storm Water Management

(1.) Temporary Storm Drain Inlets and inlet protection will be installed as shown on the ESCP and associated details to provide storm water management after construction is completed. Existing Depression areas will be utilized as sediment and storm water management, storm water will outfall to the temporary storm drain inlets.
(2.) Velocity dissipation will occur due to silt fence installation at locations of flow concentration.

c. Other Controls

(1). Temporary Construction Entrances: Off–site vehicle tracking of sediment shall be controlled by providing temporary gravel construction entrances. When the action of vehicles traveling over the gravel construction entrances is not sufficient in removing the majority of the mud, the tires must be washed before the vehicles enter a public road. When off–site tracking occurs, the deposits shall be removed from the roads.

(2). Temporary Parking and Storage: A temporary parking and storage area (gravel base) shall be established by the contractor on the site. The temporary parking and storage area shall also be used as the equipment maintenance area, equipment cleaning area, employee break area, and area for locating portable facilities, office trailers, and toilet facilities.

(3). Dust Control: Dust on the site shall be minimized by sprinkling water on dry areas of the site. The use of motor oils and other petroleum based toxic liquids for dust suppression operations are prohibited.

(4). Construction Waste: All construction waste and trash (paper, plastic, wood, scrap metals, rubber, etc.) Shall be collected and stored in containers with lids or covers that can be placed over the container prior to rainfall. This waste shall be disposed of according to state and local solid waste management regulations.

(5). Hazardous Waste: All hazardous waste (paints, acids for cleaning masonry surfaces, cleaning solvents, concrete curing compounds and additives, etc.) shall be disposed of according to local, state and federal regulations. Any hazardous wastes locations will be shown on the ESCP.

(6). Sanitary Waste: Sanitary waste that is generated on the site shall be disposed of in accordance with local and state regulations.

(7). Concrete Truck Waste: Excess concrete and wash water shall be disposed of in a manner that prevents contact between these materials and storm water that is discharged from the site.

(8). Vehicle and Equipment Cleaning: Wash water generated from vehicle and equipment cleaning shall be disposed of in a manner that prevents contact between these materials and storm water that is discharged from the site.

Material Management

(1). Petroleum Products: All on–site vehicles shall be monitored for leaks and receive regular preventive maintenance to reduce the chance of leakage. Petroleum products (oils, gasoline, lubricants, asphaltic substances, etc.) shall be stored in tightly sealed containers which are clearly labeled. Any asphalt substances used on–site will be applied according to the manufacturer's recommendations.

(2). Paints: All containers shall be tightly sealed and stored when not required for use. Excess paint shall not be discharged to the storm sewer or temporary ponding area but will be properly disposed of according to manufacturer's instructions or state and local requirements.

(3). Fertilizers: Fertilizers used shall be applied only in the minimum amounts recommended by the manufacturer. Once applied, fertilizer shall be worked into the soil (4 to 6 inches) to limit exposure to storm water. Fertilizers shall be stored in a covered area.

(4). Hazardous Products: Products shall be kept in original containers unless they are not resalable. Original labels and material safety date shall be retained (the labels contain important product information). If surplus products must be disposed of, local, state, and federal requirements shall be followed.

Spill Control Practices

(1). Materials shall be tightly sealed in containers that are clearly labeled and shall be neatly and securely stacked.

(2). Materials and equipment necessary for spill cleanups shall be kept in the material storage area on–site.

(3). All spills shall be cleaned up immediately after discovery.

(4). The spill area shall be kept well ventilated and personnel shall wear appropriate protective clothing to prevent injury from contact with a hazardous substance.

(5). Spills of toxic or hazardous materials shall be reported to the appropriate local, state and federal government agencies as soon as possible, regardless of the size.

(6). Contaminated materials shall be disposed of according to local, state and federal requirements.

(7). One person shall be selected to be the spill prevention and cleanup coordinator.

Good House Keeping

The following good housekeeping practices shall be followed on–site during the construction project:

(1). Neat and orderly storage of any chemicals, fertilizers, fuels, etc., that are being stored on the site.

(2). Regular garbage, rubbish, construction waste, and sanitary waste disposal.

(3). Prompt cleanup of any spills that have occurred.

(4). Cleanup of sediment that has been deposited off of the site by vehicle tracking, wind, and storm water.

3. MAINTENANCE

All measures stated in this SWPPP and shown on the ESCP for the prevention of storm water pollution and erosion control shall be maintained in complete functional condition until the final stabilization of the site. All erosion and sedimentation control measures shall be cleaned and repaired in accordance with the following ("ESCP" and the "Detail" Sheet for construction details):

(1). The straw bales used for the straw bale barriers shall be fixed or replaced if they show signs of undermining or deterioration.

(2). All seeded areas shall be checked regularly to see that a good stand of grass is maintained. Areas should be reseeded and fertilized as needed to provide a good stand of grass for erosion control.

(3). Silt fences shall be repaired to their original conditions if damaged. Sediment shall be removed from the silt fences when it reaches one–third to one–half the height of the silt fence.

(4). The construction entrances shall be maintained in a condition which will prevent tracking or flow of mud onto public rights–of–way. This may require periodic top dressing as conditions demand.

(5). The temporary parking and storage area shall be kept in good condition (suitable for parking and storage). This may require periodic top dressing as conditions demand.

(6). If the stones in the block and aggregate inlet sediment filters become clogged with sediment, the stones shall be pulled away, cleaned and replaced.

(7). The responsible party will keep a separate log book an "Inspection / Maintenance/ Storm" records. The detailed qualifications of the inspector will be kept in the log book and inspections will be performed on a periodic basis. Repairs must begin within 7 days of noted problem – all inspections, repairs, maintenance must be documented.

(8). A "washout area" will be designated by the contractor to show when debris and excess concrete will be disposed of. Upon completion of the project all debris – material will be disposed of by proper disposal measures.

4. INSPECTION and RETENTION OF RECORDS

Qualified personnel shall inspect all erosion, sedimentation, and storm water pollution devices stated in this SWPPP and shown on the ESCP at least once every 14 calendar days and within 24 hours of the end of a rainfall event of 0.5 inches or more or equivalent snowfall. Disturbed areas and areas used for material storage that area exposed to precipitation shall be inspected for evidence of, or the potential for, pollutants entering the drainage systems. Erosion and sediment control measures identified in this SWPPP and shown on the ESCP shall be inspected to ensure that they are operating correctly. Discharge locations shall be inspected to ascertain whether the erosion and sedimentation control measures are effective in preventing significant impacts to receiving waters.

Based on the results of the inspection, the SWPPP and the ESCP erosion and sedimentation control measures shall be revised or modified as appropriate, but in no case shall it take more than 7 calendar days following the inspection to revise or modify the SWPPP and the ESCP. An "Inspection / Maintenance / Storm " records must be retained as part of the SWPPP for 3 years.

5. NON–STORM WATER DISCHARGE

Anticipated non–storm water discharges on the construction site may include the following:

(1). Water line flushing from the newly installed water lines. Silt fences shall be used to collect sediment from water that is flushed from new water lines.

(2). Discharge from fire fighting activities. Any materials from fire fighting activities that may pollute the storm water shall be disposed of in a proper manner.

(3). Water discharge from dust control. Silt fences shall be used to collect sediment from discharge waters associated with dust control.

6. APPROVED STATE OR LOCAL PLANS and SWPPP KEPT AT SITE

To the best knowledge of all parties involved with implementation of this SWPPP, all measures and consideration specified in this plan meet the requirements of the NPDES General Permit for Storm Water Discharges from Construction Activities as listed in the Federal Register / Vol. 63, No. 128 / Monday. July 6 1998 Notices (page 36498) and Part IV. Storm Water Pollution Prevention Plans. (page 36502), This Plan was prepared in accordance with the EPA Storm Water Management Requirements for Construction Activities. A copy of these pages are attached as part of this SWPPP. Both the Regulations and the SWPPP must be kept at the construction site at all times.

EPA General Permit No. NMR10*### (page 36498) (The specific permit number is supplied by the EPA after approval of the NOI)

7. SIGNATURE REQUIREMENTS

The contractor shall obtain and sign copies of the following forms / plans, reports, certifications as required by NPDES and the General Permit for Storm Water discharges from construction activities, as required by the permit during the period the permit is active on this site. All records are to be kept on site and presented to authorized officials as noted in the permit.

Notice of Intent (N.O.I.), Storm Water Pollution Prevention Plan Reports, Notice of Termination (N.O.T.), (SWPPP), Certifications

When the site has been stabilized by permanent seeding, mulching, paving, landscaping, sodding, etc., the permit shall be terminated. The Operator (General Contractor) shall submit a Notice of Termination (Form N.O.T.) of the General Permit to discharge storm water associated with construction activities.

8. EPA CHECKLIST

See www.EPA.GOV/REGION6/SW for the latest EPA checklist.

9. STORM WATER POLLUTION PREVENTION PLAN and EROSION AND SEDIMENTATION CONTROL PLAN CERTIFICATION

"I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations".

Name (please print): Patrick Conley, PE
Title: Civil Engineer

Signature: _____
Date: _____

10. CONTRACTOR / SUBCONTRACTOR CERTIFICATION

"I certify, under penalty of law, that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) Permit that authorizes the storm water discharge associated with commercial activity from the construction site identified as part of this certification. Further, by my signature, I understand that I am becoming a co–permittee, along with the owner(s) and other contractors and subcontractors signing such certifications, to the general NPDES permit for the storm water discharges associated with commercial activity from the identified site. As a co–permittee, I understand that I, and my company, are legally required under the Environment Protection Act and the Clean Water Act to ensure compliance with the terms and conditions of the Storm Water Pollution Prevention Plan developed under the NPDES permit and the terms of the NPDES permit."

NOTE: The General Contractor and any Subcontractors involved with the implementation of this Storm Water Pollution Prevention Plan shall sign an individual copy of this certification and state in the space provided the measures in which they are responsible for performing (make copies if needed).

Please check one (X)
CONTRACTOR ( ): SUBCONTRACTOR ( )

COMPANY NAME:
ADDRESS: _____
TELEPHONE: _____

SITE: LOCATION (CITY, STATE, Zip):_____
ADDRESS: _____

CONTRACTOR / SUBCONTRACTOR CERTIFICATION

CONTINUED IN NEXT COLUMN

Name (please print): _____
Title: _____

Signature: _____
Date: _____

Storm Water Pollution Prevention Plan measures that your company is responsible for performing:

_____
_____
_____
_____
_____
_____

Please check one (X)
CONTRACTOR ( ): SUBCONTRACTOR ( )

COMPANY NAME: _____
ADDRESS: _____
TELEPHONE: _____

Name (please print): _____
Title: _____

Signature: _____
Date: _____

Storm Water Pollution Prevention Plan measures that your company is responsible for performing:

_____
_____
_____
_____
_____
_____

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY DATE
SUBSTANTIAL COMPLETION DATE
ACCEPTANCE BY DATE
VERIFICATION BY DATE
DRAWINGS RECEIVED BY DATE
MICRO–FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEERS SEAL
PATRICK J. CONLEY NEW MEXICO 10141 REGISTERED PROFESSIONAL ENGINEER
10/13/09

NO. DATE REMARKS BY
REVISIONS
DESIGN
DESIGNED BY DATE
DRAWN BY DATE
CHECKED BY DATE

103606
Smith Engineering Company
A Full Service Engineering Company
6400 Uptown Boulevard, N.E. Suite 500E Albuquerque, New Mexico 87110

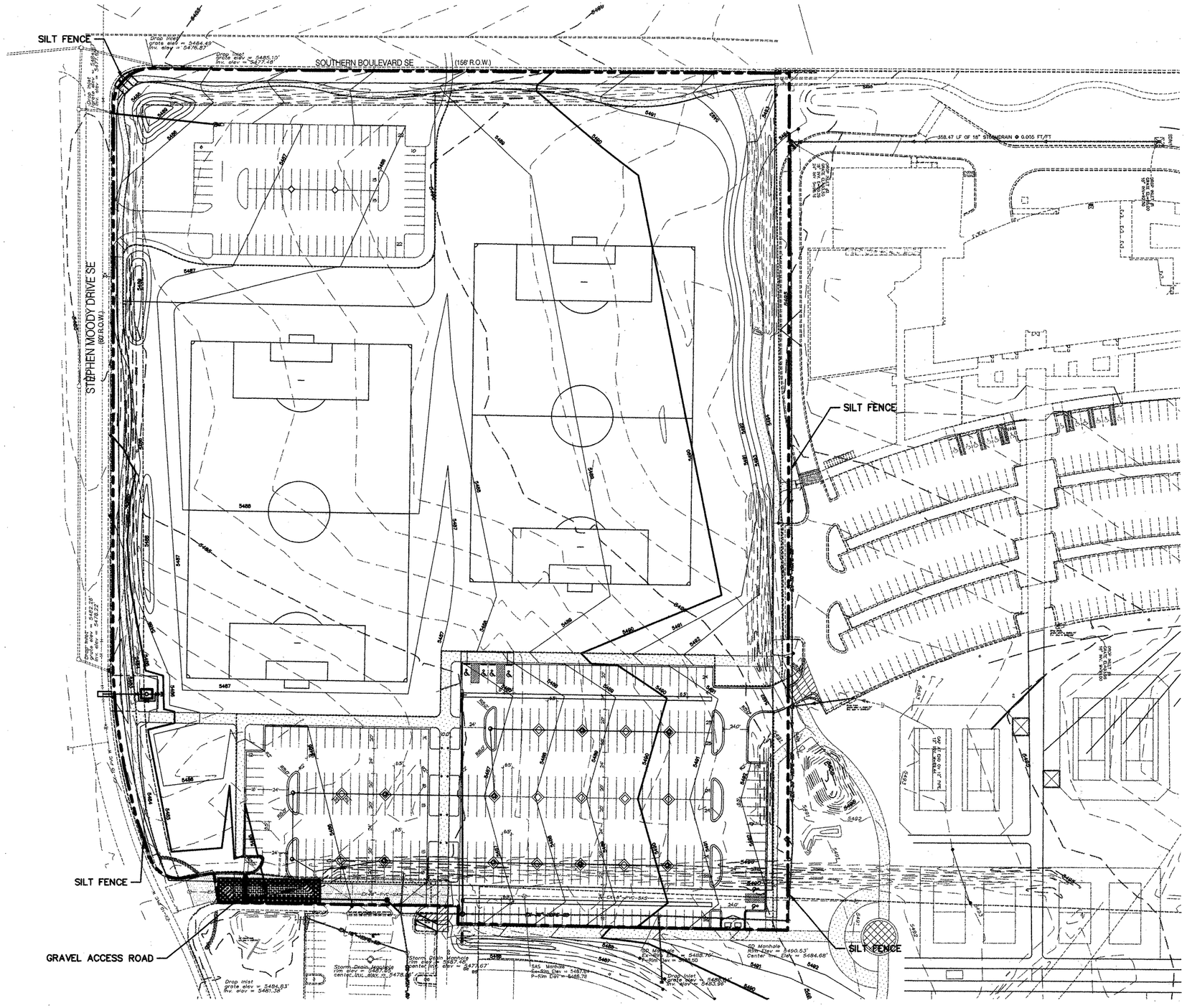
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: QUINTESSENCE PARK
STORMWATER POLLUTION PREVENTION NOTES (SWPPP)

APPROVED DEC – 2 2009 DESIGN REVIEW COMMITTEE
APPROVED DEC – 2 2009 CITY ENGINEER
Last Design Update: No. / Day / Yr. | No. / Day / Yr.

City Project No.
Zone Map No. D–21
Sheet 14 Of 23

Z:\Projects\120349 MRP phase D Soccer fields\GIS\–GIS\OPTION 1\SW4.DWG



LEGEND

SILT FENCE

GRAVEL ACCESS ROAD (24' x 100' x 3")

N

50' 25' 0 50' 100'

SCALE: 1" = 50'

AS BUILT INFORMATION	
CONTRACTOR	
WORK INSPECTED BY:	DATE
INSPECTOR'S ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS COMPILED BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

BENCH MARKS

C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND THE FUTURE INTERSECTION GO DIRECTLY EAST 292 FEET
ELEVATION 5500.67'
GROUND COORDINATES: NORTHING=1,481,746.33 EASTING =418,123.51
GRID COORDINATES: NORTHING=1,481,220.09 EASTING =417,975.01
GROUND TO GRID 0.999644850

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEERS SEAL

PATRICK J. CONLEY — NEW MEXICO — 10141 — REGISTERED PROFESSIONAL ENGINEER

REMARKS	BY	DATE
REVISIONS		
DESIGN		DATE 10/03
DESIGNED BY	SEC	DATE 10/03
DRAWN BY	SEC	DATE 10/03
CHECKED BY	SEC	DATE 10/03

102049
Smith Engineering Company
A Full Service Engineering Company
5600 Cyress Boulevard, N.E. Suite 0000 Albuquerque, New Mexico 87110

CITY OF ALBUQUERQUE
PARKS AND RECREATION DEPARTMENT

TITLE: MANZANO MESA PHASE D SOCCER FIELDS
STORMWATER POLLUTION PREVENTION PLAN (SWPPP)

APPROVED DEC - 2 2003 DESIGN REVIEW COMMITTEE

APPROVED DEC - 2 2003 CITY ENGINEER

Last Design Update: No. / Day / Yr. | No. / Day / Yr.

City Project No. 498092 | Zone Map No. L-21-Z | Sheet No. | Drawing No. 15 of 23

Z:\Projects\102049 MRP phase D Soccer fields\Civ-CAD\DPTION 1\0315.DWG

SITE DESCRIPTION

A. General Information

Project Name: _____
Project Address / Location: _____
City/County/State/Zip: Albuquerque / Bernalillo County, NM 87XXX
Location map attached: Yes

Owner name and address:
City of Albuquerque
Transportation Department
100 1 Street SW
Albuquerque, NM 87102
(505) 724-3174

Operator name and address:
_____

B. Hydrologic Information

Hydrologic Data and Calculations per COA DPM
Project size (acres): ___ Area to be graded (acres): ___
Land Treatment Type Prior to Construction(%): A ___ B ___ C ___ D ___
Land Treatment Type After Construction:(%) A ___ B ___ C ___ D ___
Precipitation Zone: 1, 2, 3 or 4: ___
2-yr. 24-hour Rainfall Depth: ___
2-yr. 24-hour Peak Discharge(post development) (cfs): ___
2-yr. 24-hr. Runoff Volume (cu ft or ac-ft): ___
2-yr. Sediment Volume: ___

On-Site Flood Control Structure(s) (describe): ___

Off-Site Flood Control Structure(s) (describe): ___

Soils report: ___
If yes, prepared by: ___

C. Type of Construction

Residential: ___ Single Family: ___ Multi-Family: ___ Commercial: ___
Roadways: ___ Utilities: ___ Industrial: ___
Other: ___

On-Site Construction Activities

Grading: ___ Acres: ___ Blasting: ___
Roadways: ___ Linear Feet: ___ Sewer, Water, Utilities: ___

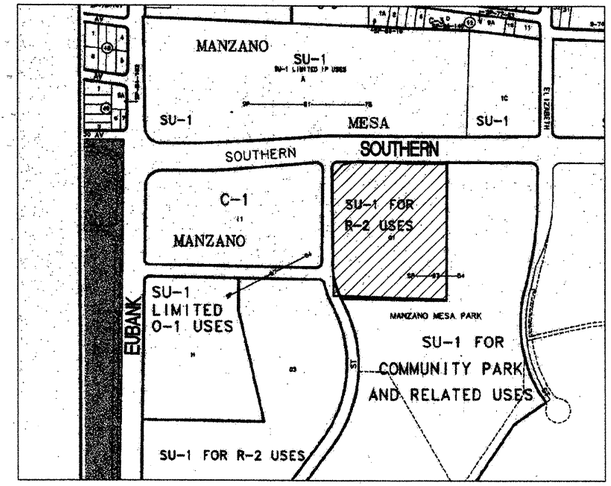
Off-Site Construction Activities (may require separate permit)

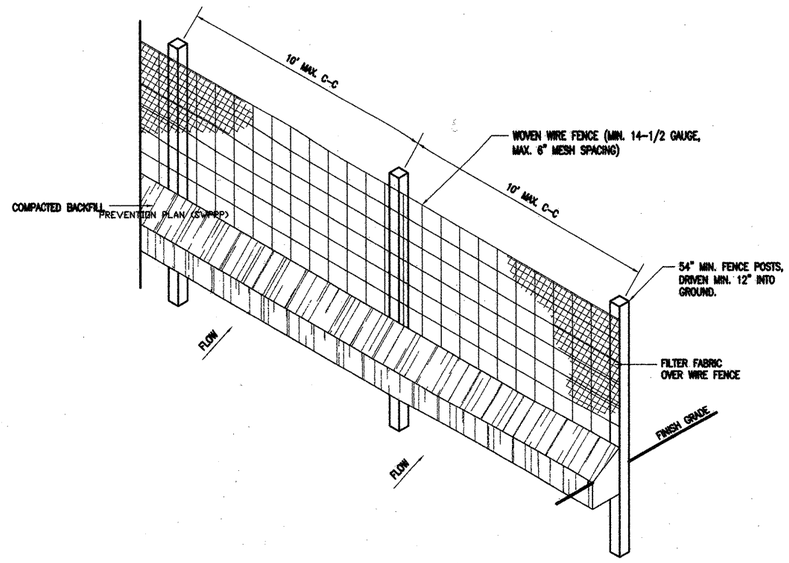
Grading: ___ Acres: ___ Blasting: ___
Roadways: ___ Linear Feet: ___ Sewer, Water, Utilities: ___

D. Sequence of Major Activities

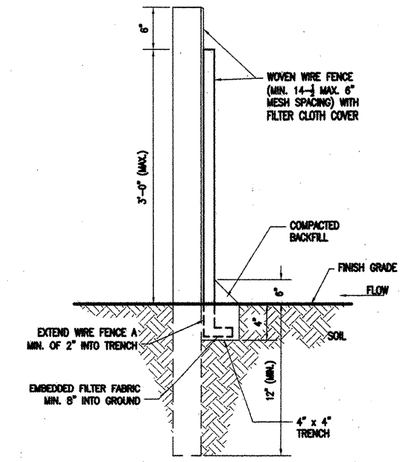
See schedule on Sheet 1 of this SWPPP

E. Location / Vicinity Map COA Zone Atlas Page L-21-Z





SILT FENCE ELEVATION



SILT FENCE CROSS-SECTION

SILT FENCE

WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES

FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.

WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.

MAINTENANCE SHALL BE PERFORMED AS NOTED IN THE SWPPP. SOIL COLLECTED AT THE SILT FENCE SHALL BE REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEVE TOLER	2000

BENCH MARKS
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND THE FUTURE INTERSECTION GO DIRECTLY EAST 292 FEET
ELEVATION 5500.67'
GROUND COORDINATES: NORTHING=1,481,746.33
EASTING =416,123.51
GRID COORDINATES: NORTHING=1,481,220.09
EASTING =417,975.01
GROUND TO GRID 0.99964527

AS BUILT INFORMATION
CONTRACTOR
WORK BY DATE
INSPECTORS ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEERS SEAL
PATRICK J. CONLEY NEW MEXICO 10141 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY PJC DATE
DRAWN BY BG DATE
CHECKED BY PJC DATE

102049
Smith Engineering Company
A Full Service Engineering Company
6400 Uptown Boulevard, N.E. Suite 500E Albuquerque, New Mexico 87110

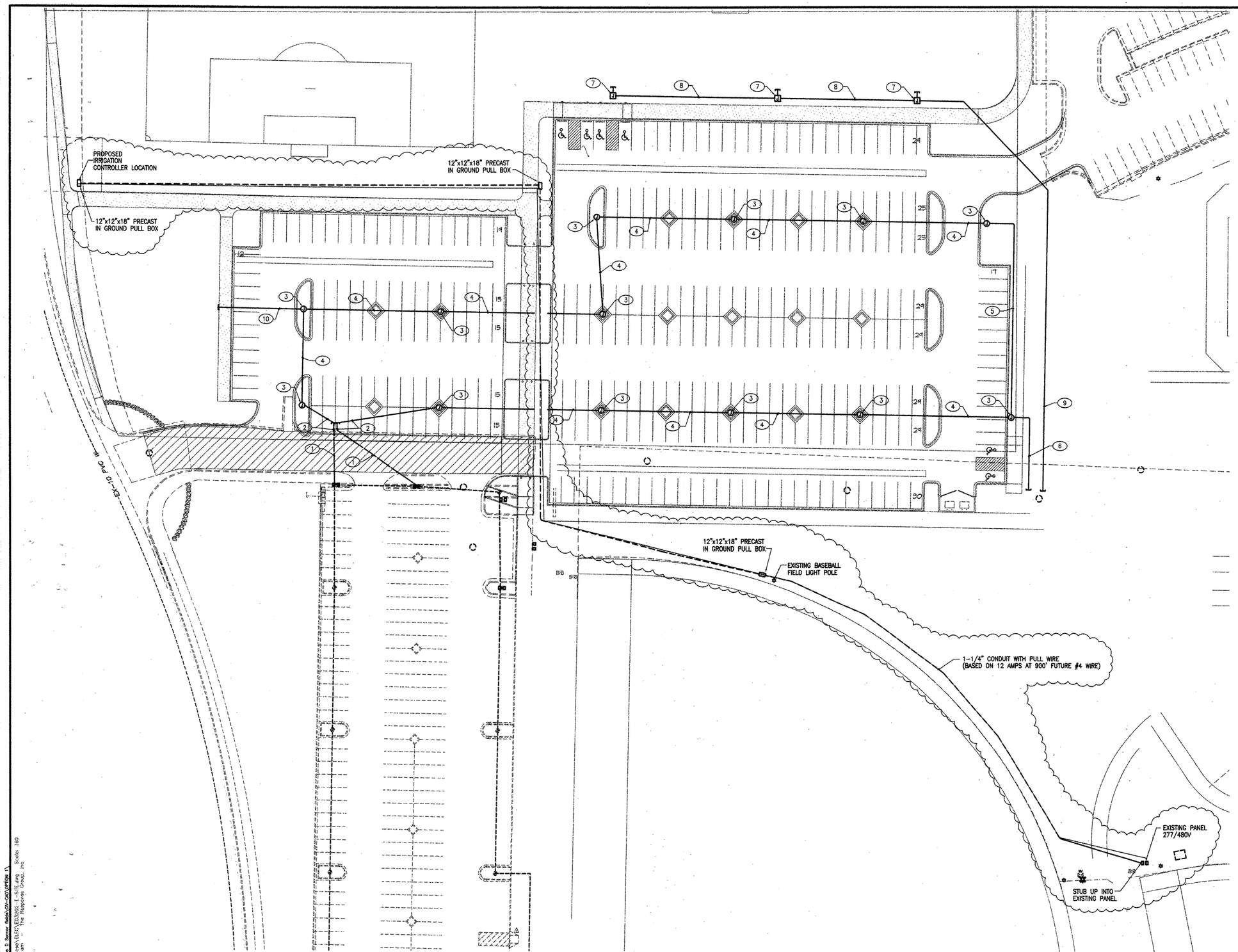
CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM

TITLE: DETAILS FOR THE ESCP
STORMWATER POLLUTION PREVENTION DETAILS (SWPPP)

APPROVED DEC - 2 2003 CITY ENGINEER
APPROVED DEC - 2 2003 CITY ENGINEER
Last Design Update
No. / Day / Yr.
No. / Day / Yr.

City Project No. XXXX | Zone Map No. L-21-Z | Sheet 16 Of 21

Z:\Projects\102049 MRP phase D Soccer fields\Dr-CAD\OPTION 1\D16.DWG



KEYED NOTES

1. EXISTING 1" CONDUIT STUB OUT NORTH OF EXISTING ROAD. CONTRACTOR SHALL FIELD VERIFY EXACT STUB OUT LOCATION.
2. EXTEND A 1" CONDUIT FROM STUB OUT LOCATION TO NEW IN GROUND PULLBOX.
3. PROVIDE AND INSTALL A NEW 18" X 12" X 24" DEEP, IN GROUND, PRE CAST CONCRETE PULLBOX, TRAFFIC RATED, SCREW DOWN COVER, LABEL "ELECTRICAL". TOP OF PULLBOX AT 6" ABOVE FINISH GRADE.
4. EXTEND A 1" CONDUIT WITH PULL WIRE BETWEEN PULLBOXES. STUB CONDUIT UP INTO PULLBOX.
5. EXTEND A 1 1/4" CONDUIT WITH PULL WIRE BETWEEN PULLBOXES. STUB CONDUIT UP INTO PULLBOX.
6. STUB OUT A 1 1/4" CONDUIT WITH PULLWIRE FROM PULLBOX, TO END OF PARKING LOT AS SHOWN. CAP CONDUIT. PROVIDE A 36" HIGH STEEL BOLLARD AT END OF STUB OUT LOCATION.
7. PROVIDE AND INSTALL A NEW 18" X 18" X 24" DEEP, IN GROUND, PRE CAST CONCRETE PULLBOX, TRAFFIC RATED, SCREW DOWN COVER, LABEL "ELECTRICAL". TOP OF PULLBOX AT 6" ABOVE FINISH GRADE. PULLBOX FOR THE EXTENSION OF POWER TO FUTURE VENDER STANDS. STUB OUT A 2" CONDUIT 36" NORTH OF PULLBOX AS SHOWN.
8. EXTEND A 2" CONDUIT WITH PULLWIRE BETWEEN

N

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

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF EUBANK AND THE FUTURE INTERSECTION GO DIRECTLY EAST 292 FEET
ELEVATION 5500.67'
GROUND COORDINATES: NORTHING=1,481,746.33
EASTING =418,123.51
GRID COORDINATES: NORTHING=1,481,220.09
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GROUND TO GRID 0.999644850

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
AS-BUILTED BY — DATE
ACCEPTANCE BY
FIELD LOCATION BY — DATE
VERIFIED BY
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

ENGINEERS SEAL
PATRICK J. CONLEY NEW MEXICO 10141 REGISTERED PROFESSIONAL ENGINEER
12/8/03

NO.	DATE	REVISIONS / REMARKS	DESIGN	BY
		DESIGNED BY	SEC/RESPONSE GROUP	10/03
		DRAWN BY	SEC/RESPONSE GROUP	10/03
		CHECKED BY	SEC/RESPONSE GROUP	10/03

102049
Smith Engineering Company
A Full Service Engineering Company
5971 Uptown Boulevard, N.E. Suite 200E Albuquerque, New Mexico 87110

CITY OF ALBUQUERQUE
PARKS AND RECREATION DEPARTMENT

TITLE: MANZANO MESA PHASE D SOCCER FIELDS

ELECTRICAL CONDUIT LAYOUT PLAN

APPROVED DEC - 2 2003
APPROVED DEC - 2 2003 CITY ENGINEER

Last Design Update: No. / Day / Yr. | No. / Day / Yr.

City Project No. 498092 | Zone Map No. L-21-Z | Sheet No. | Drawing No. 17 of 23

Z:\Projects\102049 MMP phase D Soccer fields\Civ-CAD\OPTION 1\
Title: F:\03207-Manzano Mesa\ELEC\03207_E-SITE.dwg Scale: 1:60
Date: 10/15/03 @ 11:41 am The Response Group, Inc

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.

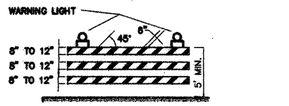
25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

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.

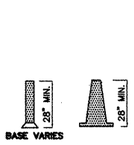
27. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.

SPECIAL PROJECT TRAFFIC CONTROL NOTE

1. TWO-WAY TRAFFIC MUST BE MAINTAINED ON SOUTHERN BLVD. AT ALL TIMES.



TYPE III BARRICADE



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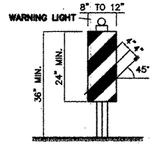
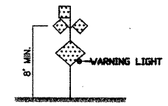
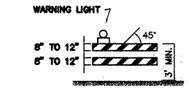


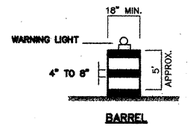
VERTICAL PANEL



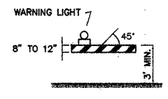
HIGH LEVEL WARNING DEVICE



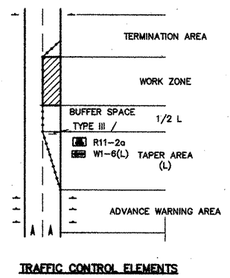
TYPE II BARRICADE
COLLAPSIBLE



BARREL



TYPE I BARRICADE
COLLAPSIBLE



TRAFFIC CONTROL ELEMENTS

LEGEND:

- TRAFFIC FLOW
- TRAFFIC CONTROL WARNING SIGN
- TRAFFIC CONTROL BARREL
- TRAFFIC CONTROL TYPE III BARRICADE
- EXISTING CURB-AND-GUTTER
- EXISTING STRIPING
- ONSITE CONSTRUCTION ZONE
- VERTICAL PANEL SIGN W/ SUPPORT
- ARROW BOARD

TAPER REQUIREMENTS

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

RECOMMENDED SIGN SPACING(D) FOR ADVANCE WARNING SIGN SERIES

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

TAPER CRITERIA

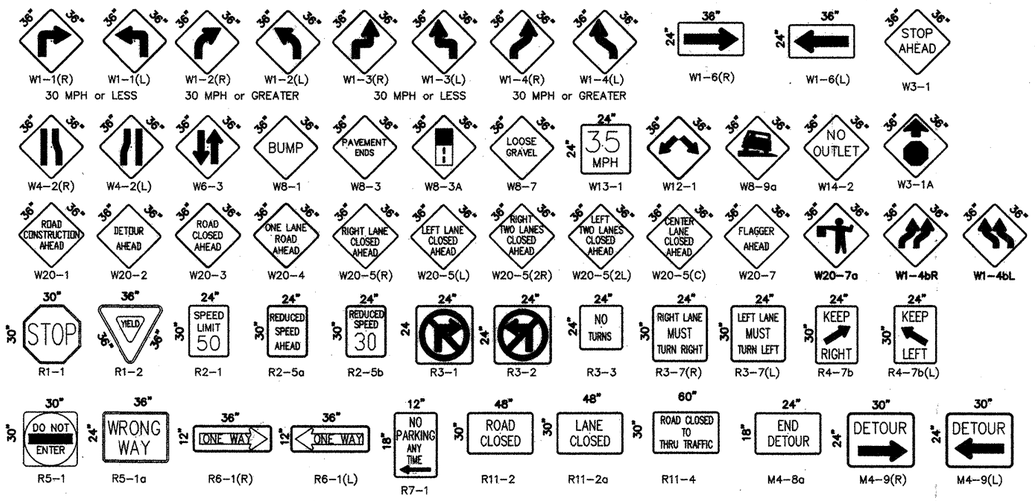
TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

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

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

SIGN FACE DETAILS



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

AS BUILT INFORMATION
CONTRACTOR — STAMPED BY — DATE
INSPECTOR'S SIGNATURE — DATE
FIELD VERIFICATION BY — DATE
CORRECTED BY — DATE

BENCH MARKS
C.O.A. BENCHMARK "8-L21" FROM THE INTERSECTION OF EUBANK AND THE FUTURE INTERSECTION GO DIRECTLY EAST 292 FEET
ELEVATION 5500.67'
GROUND COORDINATES: NORTHING=1,481,746.33 EASTING =418,123.51

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.
GROUND TO GRID 0.999644850
GRID COORDINATES: NORTHING=1,481,220.09 EASTING =417,975.01

SURVEY INFORMATION
FIELD NOTES — NO. — BY — DATE

ENGINEERS SEAL

C.O.A. STD.

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY SEC	DATE 10/03
		DRAWN BY SEC	DATE 10/03
		CHECKED BY SEC	DATE 10/03

102049
Smith Engineering Company
A Full Service Engineering Company
5971 Uptown Boulevard, N.E. Suite 200E Albuquerque, New Mexico 87110

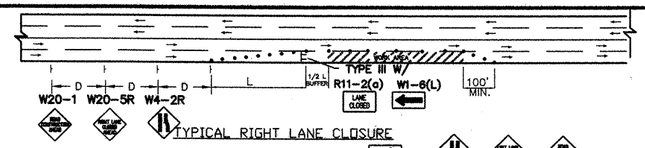
CITY OF ALBUQUERQUE
PARKS AND RECREATION DEPARTMENT

TITLE: MANZANO MESA PHASE D SOCCER FIELDS
SIGNING AND CONSTRUCTION
TRAFFIC CONTROL STANDARDS

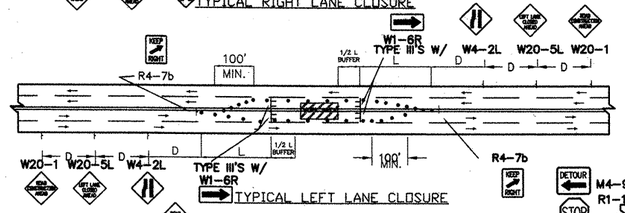
Design Review Committee	City Engineer Approval	Last Design Update	No. / Day / Yr.	No. / Day / Yr.
COA	STD			

City Project No. 498092 | Zone Map No. L-21-Z | Sheet No. | Drawing No. 18 of 23

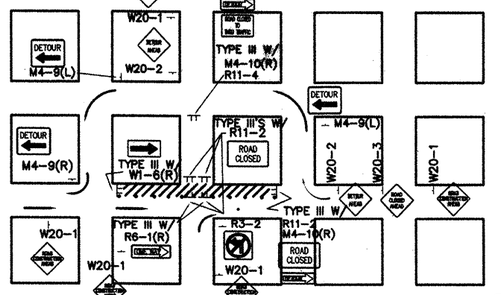
Z:\Projects\102049 MRP phase D Soccer fields\CIV-CAD\CIVTITLE 1.DWG



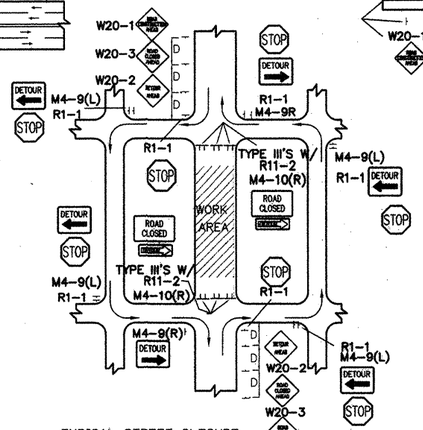
TYPICAL RIGHT LANE CLOSURE



TYPICAL LEFT LANE CLOSURE

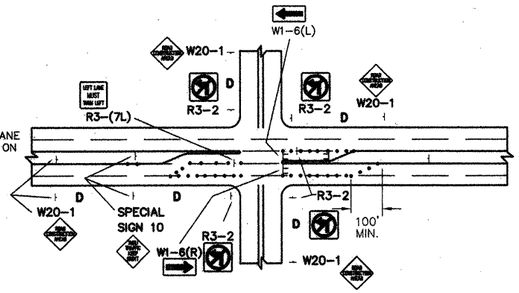


TYPICAL ONE DIRECTION DETOUR



TYPICAL STREET CLOSURE

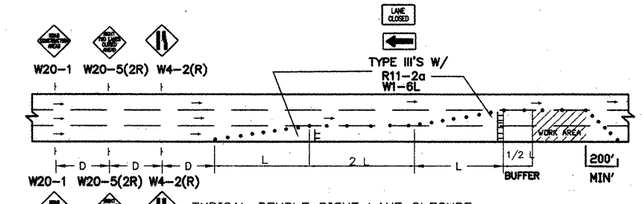
NOTE: (R1-1) BASED ON FIELD CONDITIONS.



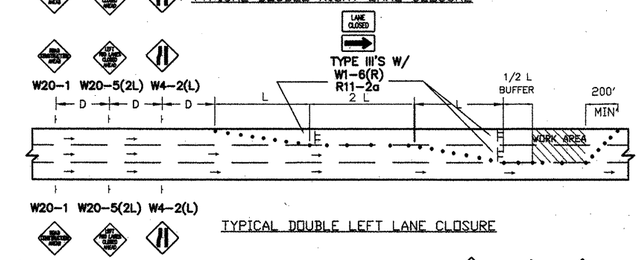
NOTE:
MAY REQUIRE LEFT LANE CLOSURE DEPENDING ON FIELD CONDITIONS.

TYPICAL LANE CLOSURE AT INTERSECTION

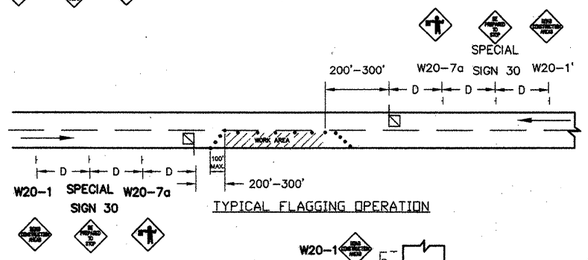
NOTE: DEPENDING ON WORK ZONE LOCATION



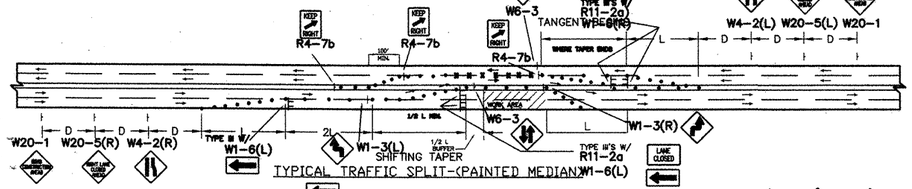
TYPICAL DOUBLE RIGHT LANE CLOSURE



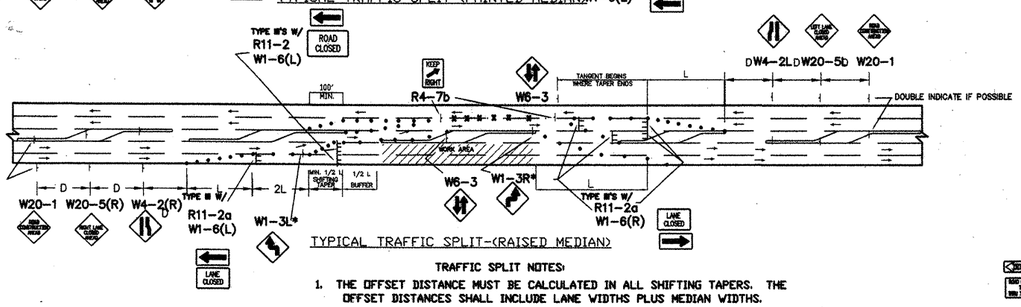
TYPICAL DOUBLE LEFT LANE CLOSURE



TYPICAL FLAGGING OPERATION



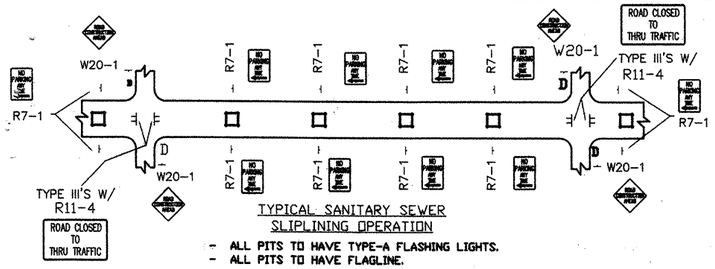
TYPICAL TRAFFIC SPLIT-(PAINTED MEDIAN)



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.



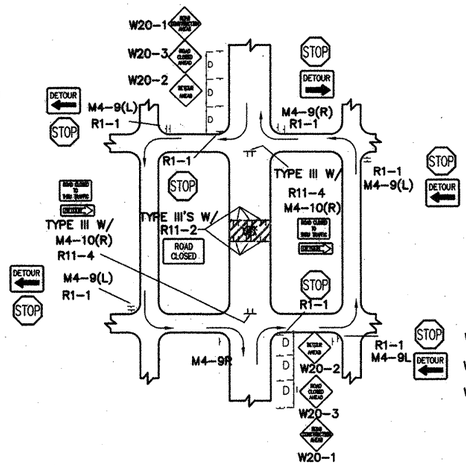
TYPICAL SANITARY SEWER SLIPLINING OPERATION

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

GENERAL NOTE:

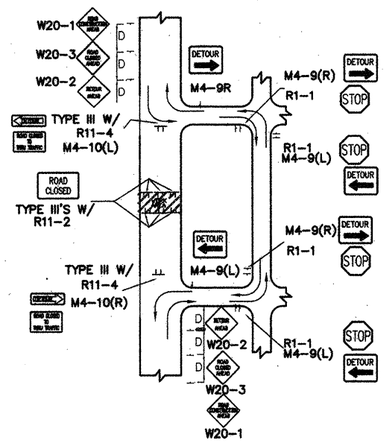
ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

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.



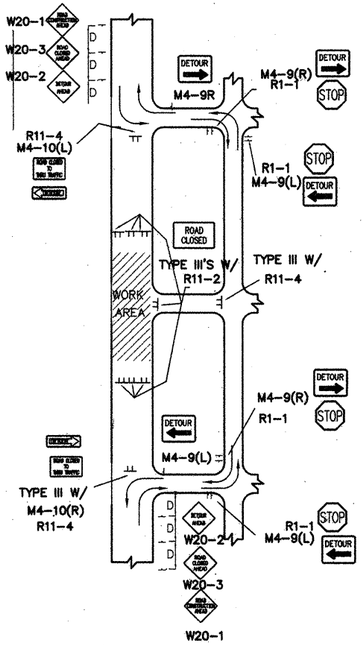
TYPICAL MID-BLOCK CLOSURE

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



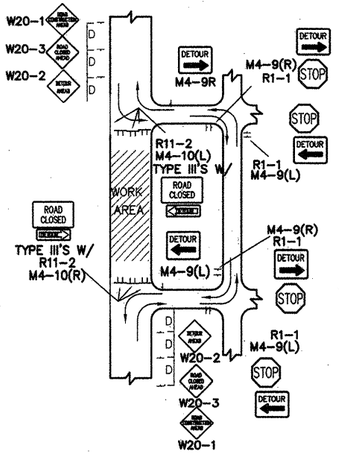
TYPICAL STREET CLOSURE

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.

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
INSPECTION & ACCEPTANCE BY — DATE
VERIFICATION BY — DATE
DRAWINGS COMPILED BY — DATE

BENCH MARKS
C.O.A. BENCHMARK "6-L21"
FROM THE INTERSECTION OF ELBANK AND THE FUTURE INTERSECTION GO DIRECTLY EAST 292 FEET
ELEVATION 5500.67'
GROUND COORDINATES: NORTHING=1,481,746.33 EASTING =418,123.51

MICRO-FILM INFORMATION
GRID COORDINATES: NORTHING=1,481,220.09 EASTING =417,975.01
RECORDED BY — DATE
NO.
GROUND TO GRID 0.999644850

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEERS SEAL

C.O.A. STD.

NO.	DATE	REMARKS / REVISIONS	BY
		DESIGN	
	10/03	DESIGNED BY	SEC
	10/03	DRAWN BY	SEC
	10/03	CHECKED BY	SEC

102049
Smith Engineering Company
A Full Service Engineering Company
5400 Uptown Boulevard, N.E. Suite 500E Albuquerque, New Mexico 87110

CITY OF ALBUQUERQUE
PARKS AND RECREATION DEPARTMENT

TITLE: MANZANO MESA PHASE D SOCCER FIELDS
TYPICAL TRAFIC CONTROL SIGNING

Design Review Committee	City Engineer Approval	Last Design Update	No. / Day / Yr.	No. / Day / Yr.
C.O.A	STD			

City Project No. 498092 | Zone Map No. L-21-Z | Sheet No. | Drawing No. 19 of 23

Z:\Projects\102049 MMP phase D Soccer fields\Civil-CAD\OPTION 1\019.DWG

SOUTHERN BOULEVARD SE
(156' R.O.W.)

STEPHEN MOODY DRIVE SE
(60' R.O.W.)

Alternates Description (Irrigation)
Base Bid – Includes waterline tap; meter vault; backflow prevention assembly; mainline, mainline components, valves, sprinklers, and bubblers to serve east soccer field; and controller and control wiring.

Alternate No. 1 – Includes mainline, mainline components, valves, control wiring, sprinklers, and bubblers to serve west soccer field, and turf area south of west field.

Alternate No. 2 – Includes mainline, valves, control wiring, and bubblers to serve plant material within parking lot islands, site entry and play area.

ALTERNATE NO. 1
BASE BID
ALTERNATE NO. 2
BASE BID

CP-103 (5/8" REBAR & PC)
N = 1479880.34'
E = 417258.55'
ELEV. = 5456.63'

MATCHLINE
MATCHLINE

IRRIGATION EQUIPMENT SCHEDULE

SYMBOL	DESCRIPTION
M	3" Meter (By City of Albuquerque, see Irrigation Construction Note #1, Sheet L02)
====	Sleeving: Class 200 PVC (2 sizes larger than pipe to be sleeved)
	Backflow Prevention Assembly: Febco 825Y–3" Reduced Pressure Backflow Assembly W/Arad Flow Meter (3") in Strongbox Model No. SBBC w/Raychem Pipe Heating Cable w/Master Valve (2") (COA Detail 2701)
	Gate Valve Assembly (COA Detail 2706)
	Quick Coupler Assembly: Rain Bird 33DNP (COA Detail 2708)
	Manual Drain Valve: Champion 100–2"
	Irrigation Mainline: Schedule 40 Bell End PVC (4"), 28" Depth upstream of Master Valve, 18" depth downstream of Master Valve
	Lateral Pipe: Schedule 40 PVC, 18" Depth, Size per chart
	Automatic Valve Assembly: Rain Bird Series (COA Detail 2703)
	Rotor Sprinkler Assembly: Hunter I–25 Series (COA Detail 2709) I–25–ADS–5 (90°), 4.8 gpm @ 50 psi I–25–ADS–8 (180°) 8.3 gpm @ 50 psi I–25–36S–8 (360°) 8.3 gpm @ 50 psi
	Bubbler Assembly: Rain Bird 1400 Series Pressure Compensating Bubbler 1401 (.25 gpm) – 1 per shrub 1402 (.5 gpm) – 3 per tree in turf area 1408 (2.0 gpm) – 1 per tree (COA Detail 2710)
	Irrigation Controller: Toro MIR5000s M5S–2S (48 station) in ~~SPEC~~ steel enclosure. Ground per manufacturers recommendations.
1–6 / 53.3	Indicates Controller and Station Number Indicates Lateral Discharge in GPM Indicates Remote Control Valve Size in inches

PIPE SIZE CHART

3/4"	0–8 gpm
1"	8–12 gpm
1 1/4"	12–22 gpm
1 1/2"	22–30 gpm
2"	30–50 gpm
2 1/2""	50–70 gpm
3"	70–110 gpm

NORTH 15 0 30 60

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED DATE
WORK STOPPED DATE
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
STATE OF NEW MEXICO
CHRISTOPHER J. GREEN
12134
REGISTERED PROFESSIONAL ENGINEER
10-17-03

NO.	REMARKS	BY	DATE
	REVISIONS		
	DESIGN		
	DESIGNED BY CG		DATE 10/16
	DRAWN BY MA		DATE 10/16
	CHECKED BY CG		DATE 10/16

CONSENSUS PLANNING, INC.
Planning / Landscape Architecture
924 Park Avenue SW
Albuquerque, NM 87102
(505) 764–9801 Fax 842–5495
e–mail: cp@consensusplanning.com

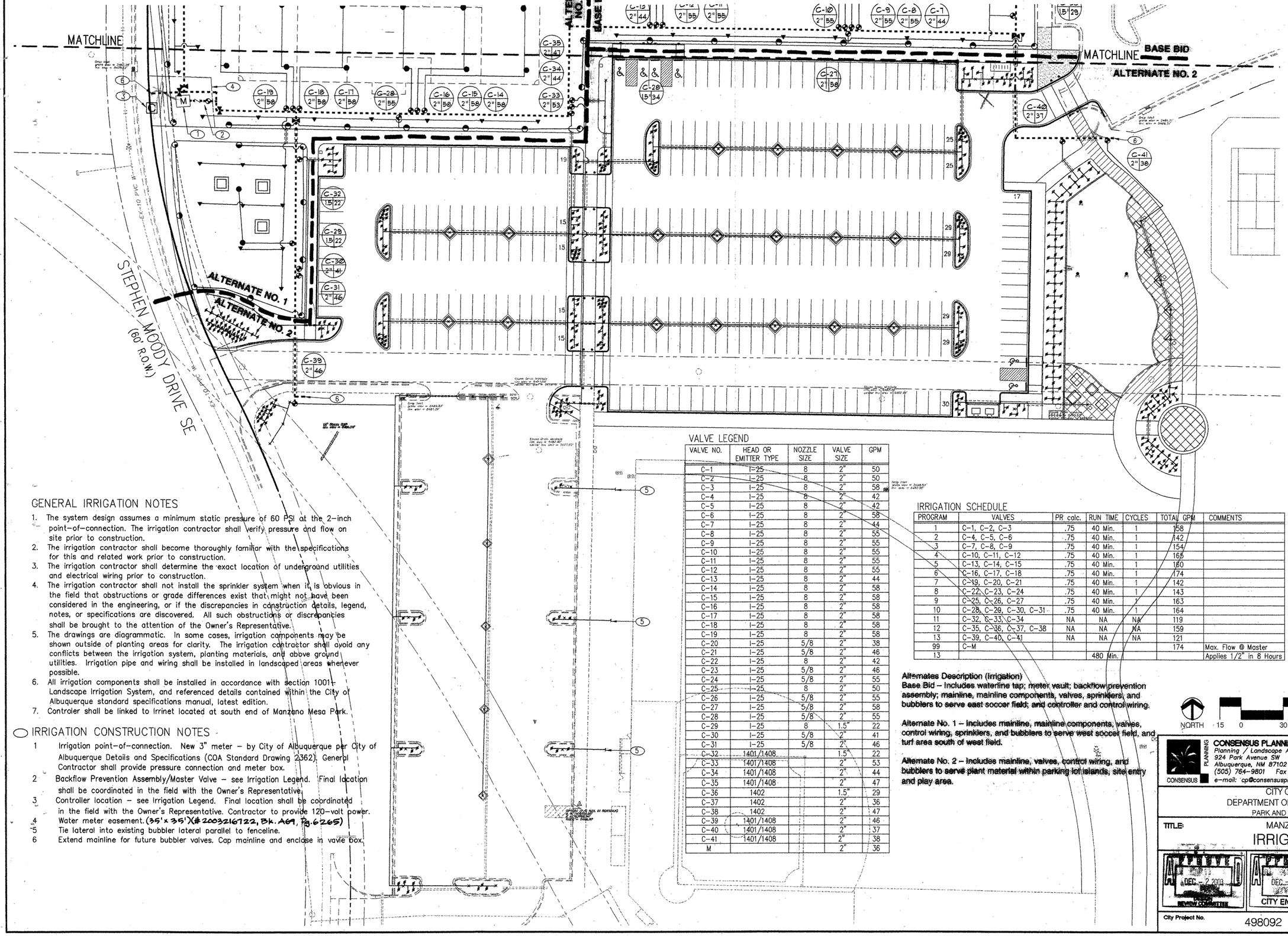
CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
PARK AND MEDIAN DESIGN DIVISION

TITLE: MANZANO MESA PARK
IRRIGATION PLAN

APPROVED DEC - 2 2003 PARKS & RECREATION DEPARTMENT
APPROVED DEC - 2 2003 CITY ENGINEER
Last Design Update

No. / Day / Yr.	No. / Day / Yr.

City Project No. 498092 | Zone Map No. L-21 | Sheet 20 Of 23 | L1



GENERAL IRRIGATION NOTES

1. The system design assumes a minimum static pressure of 60 PSI at the 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. Controler shall be linked to Irrinet located at south end of Manzano Mesa Park.

IRRIGATION CONSTRUCTION NOTES

1. Irrigation point-of-connection. New 3" meter - by City of Albuquerque per City of Albuquerque Details and Specifications (COA Standard Drawing 2362). General Contractor shall provide pressure connection and meter box.
2. Backflow Prevention Assembly/Master Valve - see Irrigation Legend. Final location shall be coordinated in the field with the Owner's Representative.
3. Controller location - see Irrigation Legend. Final location shall be coordinated in the field with the Owner's Representative. Contractor to provide 120-volt power.
4. Water meter easement. (35'x 35')(# 200316722, Bk. A69, Pg 6265)
5. Tie lateral into existing bubbler lateral parallel to fenceline.
6. Extend mainline for future bubbler valves. Cap mainline and enclose in valve box.

VALVE LEGEND

VALVE NO.	HEAD OR EMITTER TYPE	NOZZLE SIZE	VALVE SIZE	GPM
C-1	I-25	8	2"	50
C-2	I-25	8	2"	50
C-3	I-25	8	2"	58
C-4	I-25	8	2"	42
C-5	I-25	8	2"	42
C-6	I-25	8	2"	58
C-7	I-25	8	2"	44
C-8	I-25	8	2"	55
C-9	I-25	8	2"	55
C-10	I-25	8	2"	55
C-11	I-25	8	2"	55
C-12	I-25	8	2"	55
C-13	I-25	8	2"	44
C-14	I-25	8	2"	58
C-15	I-25	8	2"	58
C-16	I-25	8	2"	58
C-17	I-25	8	2"	58
C-18	I-25	8	2"	58
C-19	I-25	8	2"	58
C-20	I-25	5/8	2"	38
C-21	I-25	5/8	2"	46
C-22	I-25	8	2"	42
C-23	I-25	5/8	2"	46
C-24	I-25	5/8	2"	55
C-25	I-25	8	2"	50
C-26	I-25	5/8	2"	55
C-27	I-25	5/8	2"	58
C-28	I-25	5/8	2"	55
C-29	I-25	8	1.5"	22
C-30	I-25	5/8	2"	41
C-31	I-25	5/8	2"	46
C-32	1401/1408		1.5"	22
C-33	1401/1408		2"	53
C-34	1401/1408		2"	44
C-35	1401/1408		2"	47
C-36	1402		1.5"	29
C-37	1402		2"	36
C-38	1402		2"	47
C-39	1401/1408		2"	46
C-40	1401/1408		2"	37
C-41	1401/1408		2"	38
M			2"	36

IRRIGATION SCHEDULE

PROGRAM	VALVES	PR calc.	RUN TIME	CYCLES	TOTAL GPM	COMMENTS
1	C-1, C-2, C-3	.75	40 Min.	1	158	
2	C-4, C-5, C-6	.75	40 Min.	1	142	
3	C-7, C-8, C-9	.75	40 Min.	1	154	
4	C-10, C-11, C-12	.75	40 Min.	1	165	
5	C-13, C-14, C-15	.75	40 Min.	1	180	
6	C-16, C-17, C-18	.75	40 Min.	1	174	
7	C-19, C-20, C-21	.75	40 Min.	1	142	
8	C-22, C-23, C-24	.75	40 Min.	1	143	
9	C-25, C-26, C-27	.75	40 Min.	1	163	
10	C-28, C-29, C-30, C-31	.75	40 Min.	1	164	
11	C-32, C-33, C-34	NA	NA	NA	119	
12	C-35, C-36, C-37, C-38	NA	NA	NA	159	
13	C-39, C-40, C-41	NA	NA	NA	121	
99	C-M				174	Max. Flow @ Master
13			480 Min.			Applies 1/2" in 8 Hours

Alternates Description (Irrigation)

Base Bid - Includes waterline tap; meter vault; backflow prevention assembly; mainline, mainline components, valves, sprinklers, and bubblers to serve east soccer field; and controller and control wiring.

Alternate No. 1 - Includes mainline, mainline components, valves, control wiring, sprinklers, and bubblers to serve west soccer field, and turf area south of west field.

Alternate No. 2 - Includes mainline, valves, control wiring, and bubblers to serve plant material within parking lot islands, site entry and play area.

NORTH 15 0 30 60

CONSENSUS PLANNING, INC.
Planning / Landscape Architecture
924 Park Avenue SW
Albuquerque, NM 87102
(505) 764-9801 Fax 842-5495
e-mail: cp@consensusplanning.com

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
PARK AND MEDIAN DESIGN DIVISION

TITLE: MANZANO MESA PARK
IRRIGATION PLAN

APPROVED DEC - 2 2009 DEVELOPMENT REVIEW COMMITTEE

APPROVED DEC - 2 2009 CITY ENGINEER

Last Design Update

No. / Day / Yr.	No. / Day / Yr.

City Project No. 498092 | Zone Map No. L-21 | Sheet 21 Of 23 | L2

ENGINEERS SEAL
STATE OF NEW MEXICO CHRISTOPHER J. GREEN 9234 REGISTERED LANDSCAPE ARCHITECT

NO.	DATE	REMARKS	BY
		DESIGNED BY CG DATE 10/16	
		DRAWN BY MA DATE 10/16	
		CHECKED BY CG DATE 10/16	

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY DATE
INSPECTORS
ACCEPTANCE BY DATE
AS-BUILTED BY DATE
VERIFICATION BY DATE
DRAWINGS CHECKED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

C6-11-01

SOUTHERN BOULEVARD SE
(156' R.O.W.)

STEPHEN MOODY DRIVE SE
(60' R.O.W.)

Substitutions to City Specification Section 1011
Fertilizer: In lieu of the fertilizer specified in the City of Albuquerque Specifications Section 1011/Turf Grass Seeding, paragraph 1011.3.2, substitute Nature's Bio-Custom Dry Fertilizer (16-6-3). Apply fertilizer at a rate of 500 lbs. per acre.

Humate: In lieu of the organic amendment specified in the City of Albuquerque Specifications Section 1011/Turf Grass Seeding, paragraph 1011.3.3, substitute Nature's Bio-Custom Blended Humate. Apply humates at a rate of 2 tons per acre.

Additions to City Specification Section 1011
Water Absorbent Polymer: Stockhausen Stockosorb 400 Series Polymer. Apply polymers at a rate of 440 lbs. per acre.

Biological Activator/Inoculant: Nature's Bio Custom Biological Activator/Inoculant. Apply inoculant at a rate of 22 gallons per acre.

The above materials shall be evenly applied over the entire area to be turf seeded. Incorporate by discing or rototilling into the top 6 to 8 inches of soil. Obtain a uniform mixture with no pockets of soil or amendments remaining. Materials are available from Organic Technology International, Albuquerque, New Mexico (505) 291-1100.

Alternates Description (Planting)
Base Bid – Includes turf, trees, and concrete header surrounding the east soccer field.

Alternate No. 1 – Includes turf, trees, concrete header, and picnic tables/concrete pads (3) within west soccer field and turf area south of west field.

Alternate No. 2 – Includes all trees, shrubs, rock mulch, and boulders within parking lot islands, site entry and play area.

WEST FIELD

EAST FIELD

ALTERNATE NO. 1

BASE BID

CP-103 (5/8" REBAR & PC)
N = 1479880.34'
E = 417238.58'
ELEV. = 5489.63'

BASE BID

ALTERNATE NO. 2

MATCHLINE

MATCHLINE

PLANT LEGEND

Quantity	Symbol	Scientific Name / Common Name	Size	Remarks	Water Use
7		Chilopsis lin. ' Luc. Hamilton' Desert Willow	15 Gallon	Multi-trunk	Medium
18		Fraxinus oxycarpa Raywood Ash	2" B&B	14' ht. x 6' spr.	Medium +
36		Fraxinus velutina 'Modesto' Modesto Ash	2" B&B	14' ht. x 6' spr.	Medium +
24		Pyrus calleryana 'Bradford' Bradford Pear	2" B&B	14' ht. x 5' spr.	Medium +
11		Pinus nigra Austrian Pine	B&B	6' min. ht.	Medium
45		Platanus occidentalis Sycamore	2" B&B	14' ht. x 6' spr.	High
13		Pistachia chinensis Chinese Pistache	2-1/2" B&B	16' ht. x 6' spr.	Medium
19		Gymnocladus dioica Kentucky Coffee Tree	2-1/2" B&B	16' ht. x 6' spr.	Medium
7		Tilia cordata Little-leaf Linden	2" B&B	14' ht. x 5' spr.	Medium
20		Artimesia 'Powis Castle' Powis Castle Sage	1 Gallon	4' o.c.	Low +
74		Caryopteris clandonensis Blue Mist	5 Gallon	4' o.c.	Medium
40		Ericameria laricifolia Turpentine Bush	1 Gallon	3' o.c.	Medium +
98		Juniperus sabina 'Buffalo' Buffalo Juniper	5 Gallon	6' o.c.	Low +
104		Nassella tenniussima Threadgrass	1 Gallon	3' o.c.	Low +
9		Nolina texana Beargrass	5 Gallon	5' o.c.	Medium
21		Perovskia atriplicifolia Russian Sage	1 Gallon	6' o.c.	Low +
38		Potentilla fruticosa Shrubby Cinquefoil	1 Gallon	4' o.c.	Medium
19		Salvia greggii Cherry Sage	5 Gallon	4' o.c.	Medium
314,225 SF		Turfgrass Seed COA Specification 1011			
50,390 SF		Native Seed Mix COA Specification 1012 (East Side Mix)			
37		Moss Rock Boulders, 3' X 3' (min.)			

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.
7. It is the Landscape Contractor's responsibility to locate all underground utilities prior to commencement of planting operations.
8. Planting installation shall be in accordance with all City of Albuquerque standard specifications (Section 1005 – Planting) and details (Isolated Tree Planting – 2714, Tree Planting on Slope – 2716).

NORTH 15 0 30 60

AS BUILT INFORMATION
CONTRACTOR
WORK BY
SURVEYED BY
INSPECTORS
ACCEPTANCE BY
AUDIT
VERIFICATION BY
DRAWINGS
CONSTRUCTED BY
MICRO-FILM INFORMATION
RECORDED BY
NO.
DATE

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEERS SEAL
CHRISTOPHER J. GREEN
12-17-03

REVISIONS
NO. DATE REMARKS BY
DESIGN
DESIGNED BY CG DATE 10/16
DRAWN BY MA DATE 10/16
CHECKED BY CG DATE 10/16

CONSENSUS PLANNING, INC.
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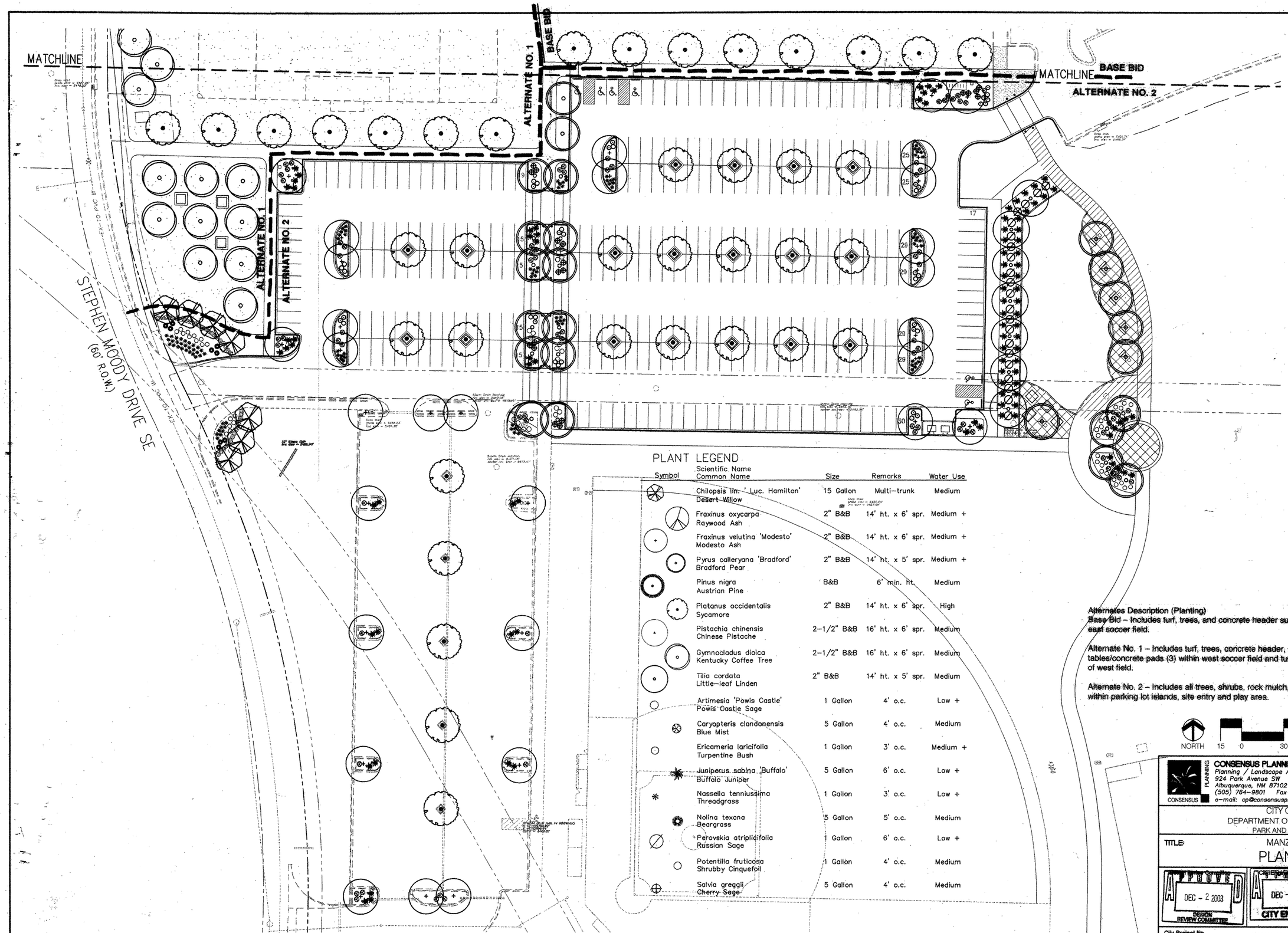
CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
PARK AND MEDIAN DESIGN DIVISION

TITLE: MANZANO MESA PARK
PLANTING PLAN

Last Design Update: No. / Day / Yr. | No. / Day / Yr.

City Project No. 498092 | Zone Map No. L-21 | Sheet 22 Of 23 | L3



PLANT LEGEND

Symbol	Scientific Name / Common Name	Size	Remarks	Water Use
	Chilopsis lin. 'Luc. Hamilton' Desert Willow	15 Gallon	Multi-trunk	Medium
	Fraxinus oxycarpa Raywood Ash	2" B&B	14' ht. x 6' spr.	Medium +
	Fraxinus velutina 'Modesto' Modesto Ash	2" B&B	14' ht. x 6' spr.	Medium +
	Pyrus calleryana 'Bradford' Bradford Pear	2" B&B	14' ht. x 5' spr.	Medium +
	Pinus nigra Austrian Pine	B&B	6' min. ht.	Medium
	Platanus occidentalis Sycamore	2" B&B	14' ht. x 6' spr.	High
	Pistachia chinensis Chinese Pistache	2-1/2" B&B	16' ht. x 6' spr.	Medium
	Gymnocladus dioica Kentucky Coffee Tree	2-1/2" B&B	16' ht. x 6' spr.	Medium
	Tilia cordata Little-leaf Linden	2" B&B	14' ht. x 5' spr.	Medium
	Artimesia 'Powis Castle' Powis Castle Sage	1 Gallon	4' o.c.	Low +
	Caryopteris clandonensis Blue Mist	5 Gallon	4' o.c.	Medium
	Ericameria laricifolia Turpentine Bush	1 Gallon	3' o.c.	Medium +
	Juniperus sabina 'Buffalo' Buffalo Juniper	5 Gallon	6' o.c.	Low +
	Nassella tenniussima Threadgrass	1 Gallon	3' o.c.	Low +
	Nolina texana Beargrass	5 Gallon	5' o.c.	Medium
	Perovskia atriplicifolia Russian Sage	1 Gallon	6' o.c.	Low +
	Potentilla fruticosa Shrubby Cinquefoil	1 Gallon	4' o.c.	Medium
	Salvia greggii Cherry Sage	5 Gallon	4' o.c.	Medium

Alternates Description (Planting)

Base Bid – Includes turf, trees, and concrete header surrounding the east soccer field.

Alternate No. 1 – Includes turf, trees, concrete header, and picnic tables/concrete pads (3) within west soccer field and turf area south of west field.

Alternate No. 2 – Includes all trees, shrubs, rock mulch, and boulders within parking lot islands, site entry and play area.

NORTH 15 0 30 60

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
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
CHRISTOPHER J. GREEN #234 REGISTERED LANDSCAPE ARCHITECT
10.17.03

NO.	DATE	REMARKS / REVISIONS	BY
		DESIGN	
DESIGNED BY	CG	DATE 10/16	
DRAWN BY	MA	DATE 10/16	
CHECKED BY	CG	DATE 10/16	

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TITLE: MANZANO MESA PARK
PLANTING PLAN

APPROVED DEC - 2 2003 DESIGN REVIEW COMMITTEE
APPROVED DEC - 2 2003 CITY ENGINEER
Last Design Update — No. / Day / Yr.

City Project No. 498092 | Zone Map No. L-21 | Sheet 23 Of 23 | L4