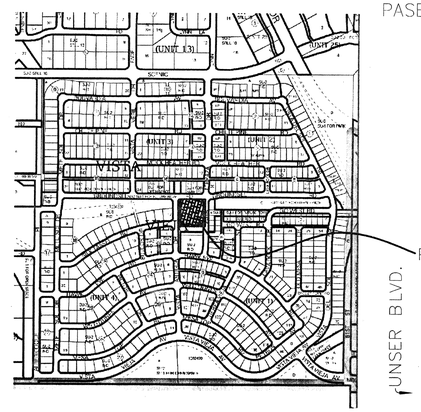
MONTECITO PARK AT MONTECITO ESTATES
(VISTA VIEJA PHASE 4)

City of Albuquerque

Department of Municipal Development - Managing Department
Park Design and Construction Division
Albuquerque, New Mexico

Parks and Recreation Department - Owner

Class I Construction (Not for Bid)



Vicinity Map Zone Atlas D-9-Z

PROJECT #763386 / MONTECITO PARK / 100% SUBMITTAL 11-25-08

The Hilltop
LANDSCAPE ARCHITECTS & CONTRACTORS
Cont. Lic. #26458
7909 Edith N.E.
Albuquerque, NM 87184
Ph. (505) 898-9690
Fax (505) 898-7737
cmj@hilltoplandscaping.com

Property Information

Legal Description: Common Area 'Tract D', Plat of Vista Vieja Subdivision Units Three and Four
Meter Address: 6845 Vista Terraza Dr NW (Tract D) Same as park
Total Site Area: 1.186 acres total/.507 acres turf

Index of Drawings

Consultants

Wilson and Company, Inc.
4900 Lang Ave. NE
Albuquerque, NM 87109
(505) 348-4191

Water Engineering, Inc.
17897 W. 53rd Dr.
Golden, CO 80403
(303) 618-6307
Contact: Tom Carroll
Carrollemail@aol.com

UTILITY COMPANY CONTACTS

CITY OF ALBUQUERQUE (WATER & SEWER)
P.O. Box 1293
Albuquerque, New Mexico 87103
(505) 768-2729

PNM-ELECTRIC
4201 Edith Boulevard NE
Albuquerque, New Mexico 87107
(505) 241-3581

PNM-GAS CO.
4625 Edith Boulevard NE
Albuquerque, New Mexico 87107
(505) 241-7771

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

QWEST LONG DISTANCE
400 Tijeras Ave. NW, Suite 710
Albuquerque, New Mexico 87102
(505) 246-0501

QWEST/US WEST
400 Tijeras Ave. NW, Suite 710
Albuquerque, New Mexico 87102
(505) 245-8706

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

LANDSCAPE ARCHITECT'S STAMP & SIGNATURE

STATE OF NEW MEXICO
JAMES DE FLON
0007
REGISTERED LANDSCAPE ARCHITECT
11-24-08

APPROVED	ENGINEER	DATE
DRC Chairman		12/23/08
Transportation		12-12-08
Water/Wastewater		11-25-08
Hydrology		12-10-08
C I P		
Constr. Mngmt.		
Constr. Coord.		

2-13-09
CITY ENGINEER DATE

PROJECT NUMBER 763386

SHEET 1 OF 12

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, 1986 EDITION, UPDATE NO. 7.

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 3000 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.

57 CONTRACTOR SHALL ERECT TEMPORARY CHAIN LINK CONSTRUCTION FENCE. SUCH FENCE SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE CONSTRUCTION PERIOD AND REMOVED ONLY UPON FINAL ACCEPTANCE OF THE PROJECT BY THE CITY.

58 QUANTITIES PROVIDED ON THE PLANS ARE FOR THE CONTRACTOR'S CONVENIENCE ONLY. PLANS SHALL TAKE PRECEDENCE IN ALL CASES.

~~59 CONTRACTOR SHALL PREPARE ALL SUBMITTAL MATERIALS AND PAY APPLICABLE FEES REQUIRED TO OBTAIN THE "MINI WORK ORDER" REQUIRED FOR CONNECTION TO THE EXISTING CITY WATER MAIN AND OTHER "PUBLIC" WATER LINE CONSTRUCTION.~~ RMC for Jim Dalton 12-23-08

EXISTING FEATURES LEGEND:

- EXISTING WOOD POST FENCE
- EXISTING CHAIN-LINK FENCE
- EXISTING GAS LINE W/ VALVE (2" HPG, GV)
- EXISTING WATERLINE W/ VALVE (6" W, WV)
- EXISTING WATERLINE METER
- EXISTING FIRE HYDRANT
- EXISTING SANITARY SEWER LINE W/ MANHOLE (6" SAS)
- EXISTING STORM DRAIN (36" RCP)
- EXISTING OVERHEAD ELECTRIC W/POLE (OHE)
- EXISTING UNDERGROUND ELECTRIC (UE)
- EXISTING 1' CONTOUR (44)
- EXISTING 5' CONTOUR (4945)
- EXISTING CURB & GUTTER
- EXISTING CONCRETE
- EXISTING BUILDING LINE
- EXISTING EASEMENT LINE
- EXISTING SPRINKLER HEAD (S)

NEW FEATURES LEGEND:

- CONSTRUCTION CENTERLINE
- NEW CHAIN-LINK FENCE (x)
- NEW GAS LINE W/ VALVE (2" HPG, GV)
- NEW WATERLINE W/ VALVE (6" W, WV)
- NEW WATERLINE METER (W)
- NEW FIRE HYDRANT
- NEW SANITARY SEWER LINE W/ MANHOLE (6" SAS)
- NEW STORM DRAIN W/ MH (S)
- NEW UTILITY POLE
- NEW 1' CONTOUR
- NEW 5' CONTOUR (4945)
- NEW CURB & GUTTER
- NEW CONCRETE
- NEW EASEMENT LINE
- POT HOLE LOCATION W/ NO. (1)
- NEW EDGE OF PAVEMENT

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
FIELD NOTES — 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 — JAMES E. DALTON — 14269 — REGISTERED PROFESSIONAL ENGINEER
11-24-08

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	DATE 11/08 CMJ
			DATE 11/08 CMJ
			DATE 11/08 JD

DESIGNED BY CMJ
DRAWN BY CMJ
CHECKED BY JD

The Hilltop
LANDSCAPE ARCHITECTS & CONTRACTORS
Cont. Lic. #26458
7909 Edith N.E. Albuquerque, NM 87184 Ph.
(505) 898-9690 Fax (505) 898-7737 cmj@hilltoplandscaping.com

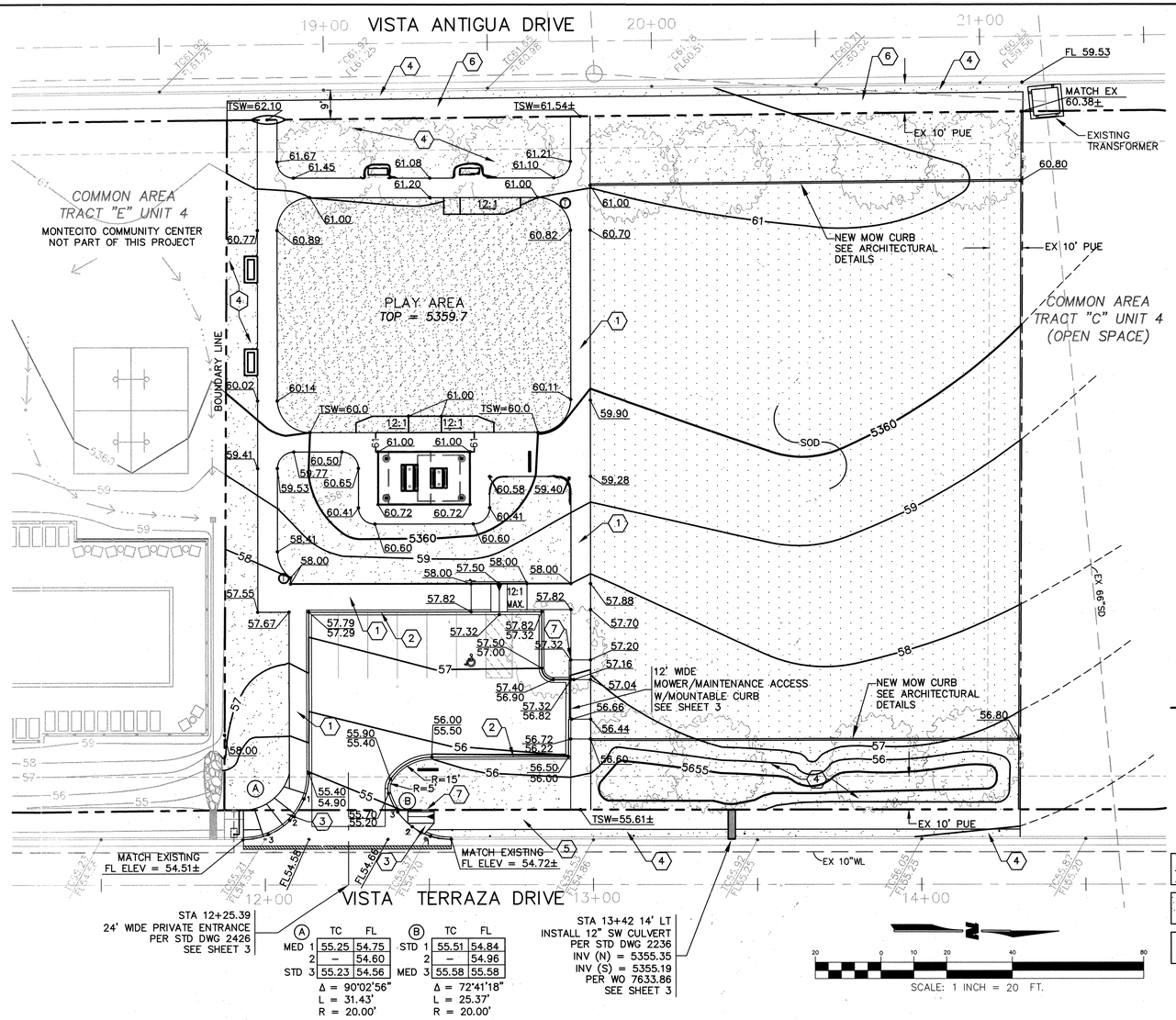
CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
PARK DESIGN AND CONSTRUCTION DIVISION

TITLE: MONTECITO PARK AT MONTECITO ESTATES

GENERAL NOTES

Design Review Committee: APPROVED DEC 23 2008 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED FEB 13 2009 CITY ENGINEER
Last Design Update: No. / Day / Yr. | No. / Day / Yr.

City Project No. 763386 | Zone Map No. D-9-Z | Sheet 1A Of 12



Ⓐ	TC	FL
MED 1	55.25	54.75
2	–	54.60
STD 3	55.23	54.56

Δ = 90°02'56"
L = 31.43'
R = 20.00'

Ⓑ	TC	FL
STD 1	55.51	54.84
2	–	54.96
MED 3	55.58	55.58

Δ = 72°41'18"
L = 25.37'
R = 20.00'

LEGEND

- FLOW DIRECTION
- 56.80 / 56.30 SPOT ELEVATION
- TC TOP OF CURB
- TW TOP OF WALL
- TSW TOP OF SIDEWALK
- FL FLOW LINE
- PLAYGROUND EQUIPMENT AREA
- NEW LANDSCAPING
- SOD

KEYED NOTES

1. NEW PCC SIDEWALK SEE DRIVEWAY/PARKING CONSTRUCTION PLAN
2. NEW MEDIAN CURB & GUTTER SEE DRIVEWAY/PARKING CONSTRUCTION PLAN
3. WHEELCHAIR RAMP SEE DRIVEWAY/PARKING CONSTRUCTION PLAN
4. NEW LANDSCAPE AREA– SEE LANDSCAPE PLANS
5. NEW PCC SIDEWALK PER WO 763382
6. NEW PCC SIDEWALK PER WO 763384
7. HEADER CURB

Project Location

The proposed Montecito Park site covers approximately 1.2 acres and is bounded by Vista Terraza Drive on the east, Vista Antigua Drive on the west, Common Area 'Tract C' (Open Space) on the north and Montecito Estates Community Center (Common Area E) on the south. The current Legal Description of the site is Common Area 'Tract D', Plat of Vista Vieja Subdivision Units Three and Four.

The property is within the boundaries of Vista Vieja Subdivision which received City Hydrology approval of the Master Drainage Plan prepared by Wilson & Company, Engineer stamp date October 2004, in a letter dated 07 February 05. The purpose of this report is to present the specific drainage management plan for the proposed Park improvements in order to procure Grading and Drainage Plan approval. All applicable ordinances of the DPM and AHYMO were utilized to prepare this plan.

Drainage Design Criteria

The design criteria used in this report is in accordance with Section 22.2 of the City of Albuquerque Development Process Manual (DPM). The 100-year, 6-hour storm event has been utilized to determine site runoff using P (1 hr) = 1.87, P (6 hr) = 2.20 and P (24 hr) = 2.66 as obtained from the Table A-2 page 22-8 of DPM. The onsite developed Land Treatment values used are Treatment B=50%, Treatment C=20% and Treatment D=30%.

Existing Drainage Condition

The proposed development is found on FEMA flood insurance rate map number 3500020007-C (See Flood Map) and the Web Soil Survey designates the existing earth to be sandy soils of the Madurey-Wink and Latene (LTB) Association. The existing topography slopes from west to the east and is is bounded by existing curb & gutter along Vista Antigua Drive on the west and Vista Terraza Drive on the east. At present there are no offsite flows that enter into the site.

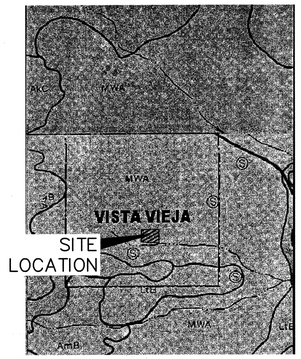
Developed Drainage Condition

According to AHYMO, the total Developed Conditions flow from this site is 3.43 cfs. This is less than a proportional amount of the Master Drainage total allowable maximum of 8 cfs for the three parcels which make of the 'Common Area' Block 21. The total area of the 'Commoan Area' parcels is 2.21 Ac, with Tract C containing 0.31 Ac, Tract D containing 1.2 Ac and Tract E containing 0.72 Ac. Proportionally, this allows 1.12 cfs, 4.24 cfs and 2.56 cfs respectively for the three tracts. Per this proposed Grading and Drainage Plan, the runoff from the developed site is freely discharged into Vista Terraza Drive from the driveway and a sidewalk culvert and from there is conveyed to inlets at the intersection of Hawkeye Rd NW and Old Mesa Place NW, and ultimately to the existing 4 Ac-Ft Detention Pond located on the Southeast corner of the Vista Veija Subdivision. With this adherance to the Master Drainage Plan, there is no additional public drainage infrastructure needed in connection with the Montecito Park.

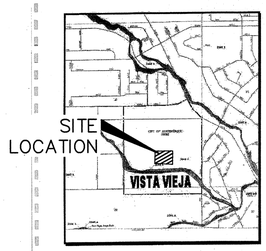
Conclusions

The proposed specific drainage scheme for the Montecito Park presented heron adheres to the Master Drainage Plan for Vista Vieja Subdivision, and with the implementation of this plan the conveyance of storm water to the existing Vista Vieja pond can be accomplished while meeting all current City requirements.

LOCATION MAP
ZONE ATLAS MAP NO. D-9



SOILS MAP
REFERENCE: SCS BERNALILLO COUNTY SOIL SURVEY



FLOOD INSURANCE MAP
REFERENCE: FLOOD INSURANCE STUDY
PANEL 007

LEGAL DESCRIPTION

COMMON AREA TRACT 'D', PLAT OF
VISTA VIEJA SUBDIVISION UNITS THREE AND FOUR

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
THE STATION IS A 3 1/2" ALUMINIUM CAP SET FLUSH IN THE LAVA OUTCROP, AND IS STAMPED "ACS 8-C10, 1988". (NAD 1927).
X= 361860.83, Y= 1521476.37
ELEVATION = 5390.130 FT. (SLD 1929)

AS-BUILT INFORMATION

	BY	DATE
CONTRACTOR		
WORK INSPECTED BY		
INSPECTOR'S ACCEPTANCE		
AS-BUILT VERIFICATION BY		
DRAWINGS CORRECTED BY		

MICRO-FILM INFORMATION
RECORDED BY
NO. DATE

ENGINEER'S SEAL
CHRISTOPHER A. PEREA
NEW MEXICO
13686
12-4-8
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS
		REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS

	BY	DATE
DESIGNED BY	RSM	DEC 2007
DRAWN BY	STAFF	DEC 2007
CHECKED BY	DSA	DEC 2007

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

MONTECITO PARK AT MONTECITO ESTATES
GRADING & DRAINAGE PLAN

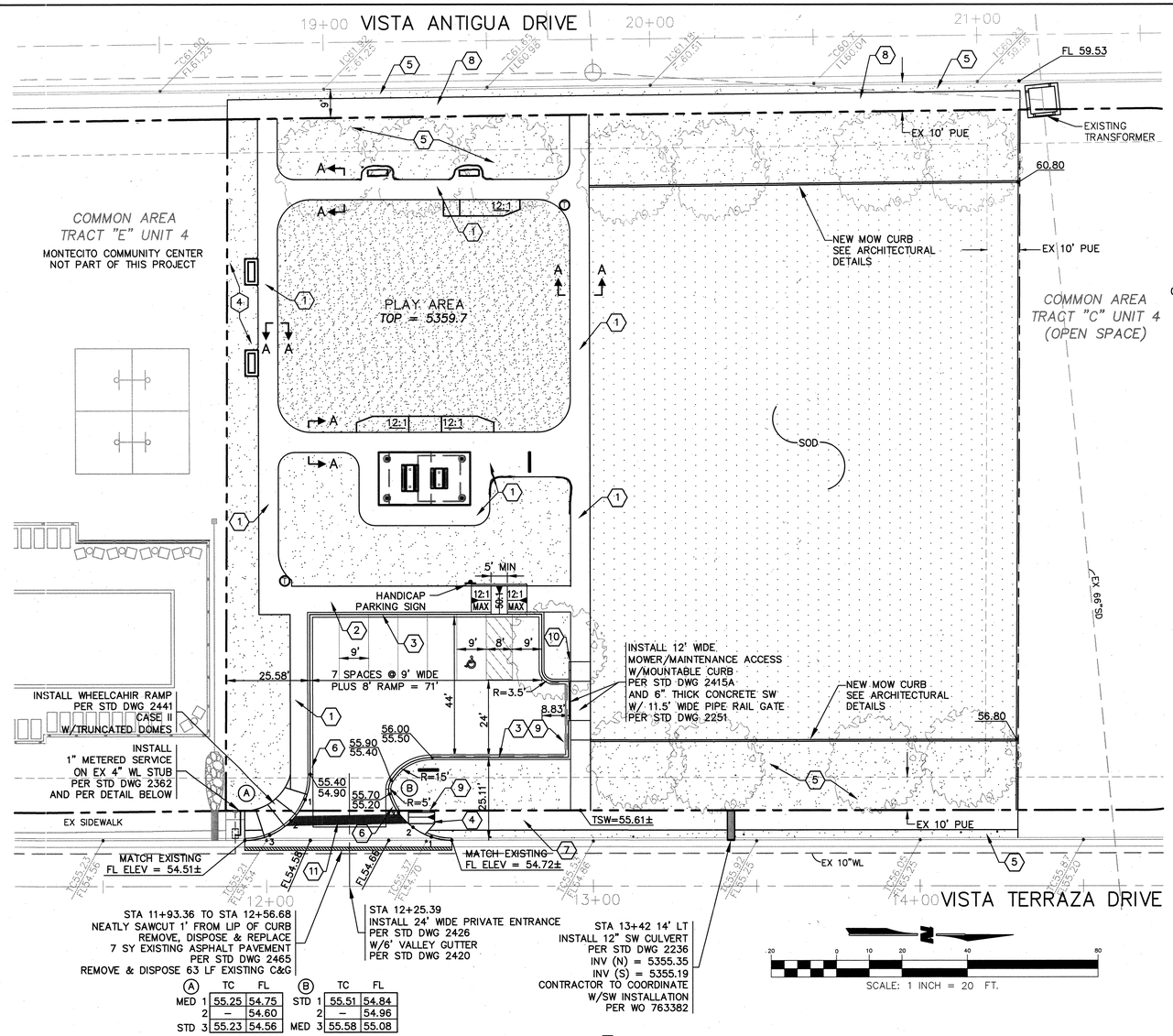
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
7633.86	D-9	2	9

WCEA #X3218078
DEC 2008

WILSON & COMPANY For Information Only

X:\Public\PROJECTS\X3218078\M\Sheets\Community Center\Sheets\8378GD02.dwg 12/3/2008 4:25:49 PM MST



A	TC	FL
MED 1	55.25	54.75
2	–	54.60
STD 3	55.23	54.56

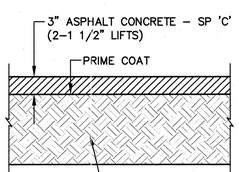
Δ = 90°02'56"
L = 31.43'
R = 20.00'

B	TC	FL
STD 1	55.51	54.84
2	–	54.96
MED 3	55.58	55.08

Δ = 72°41'18"
L = 25.37'
R = 20.00'

LEGEND

- PLAYGROUND EQUIPMENT AREA
- NEW LANDSCAPING
- SOD



PAVEMENT SECTION

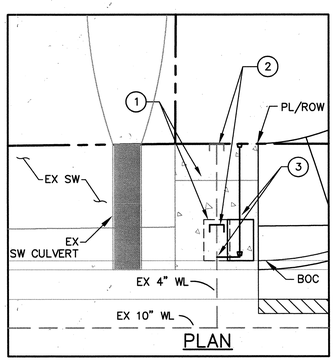
SCALE: 1"=1' PER STD DWG 2405A

GENERAL PAVING NOTES:

1. SUBGRADE SOIL WITH R≤50 SHOULD BE REMOVED TO DEPTH OF 24" AND REPLACED WITH SOIL EXHIBITING R≥50.
2. *12" SUBGRADE SOIL. R-VALUE > 50 PLACED IN 2–6" COMPACTED LIFTS. 95% MIN. COMPACTION, AT OPT. MOISTURE+/– 2.0%, ASTM D1557, OR OPT. MOISTURE, TO +4%, ASTM D698 FOR SOIL W/35% OR MORE MATERIAL PASSING THE NO. 200 SIEVE.

KEYED NOTES

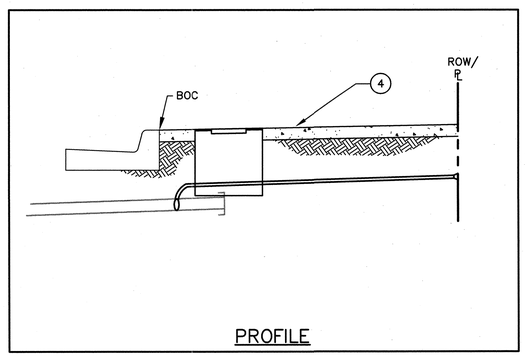
1. NEW 6' PCC SIDEWALK PER COA STD DWG 2430
2. NEW 8' PCC SIDEWALK PER COA STD DWG 2430
3. NEW MEDIAN CURB & GUTTER PER COA STD DWG 2415A
4. WHEELCHAIR RAMP @ 12:1 MAX SLOPE AND 50:1 MAX LANDING PER COA STD DWG 2426 W/TRUNCATED DOMES SEE DETAIL THIS SHEET
5. NEW LANDSCAPE AREA– SEE LANDSCAPE PLANS
6. TRANSITION CURB FROM STANDARD TO MEDIAN CURB THROUGH WHEELCHAIR RAMP
7. NEW PCC SIDEWALK PER WO 763382
8. NEW PCC SIDEWALK PER WO 763384
9. PAINT FACE OF CURB YELLOW (NO PARKING)
10. HEADER CURB
11. 3' WIDE @ 2.0% MAX ADA ACCESS PATH



PLAN

1" METERED SERVICE LINE DETAIL

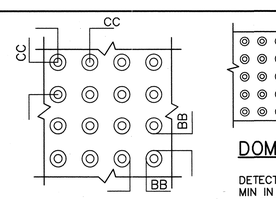
SCALE: 1" = 5'



PROFILE

1" METERED SERVICE LINE DETAIL

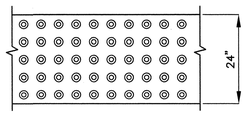
SCALE: NTS



DOME SPACING

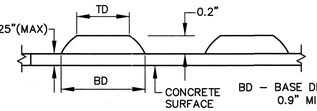
CC – CENTER TO CENTER SPACING
1.6" TO 2.4" MAX

BB – BASE TO BASE SPACING
0.65" MIN



DOME ALIGNMENT

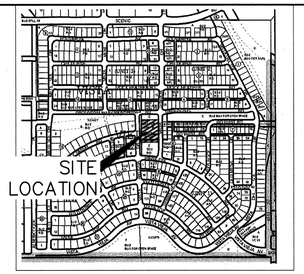
DETECTABLE WARNING SURFACES SHALL EXTEND 24" MIN IN THE DIRECTION OF TRAVEL AND FULL WIDTH OF THE CURB RAMP, LANDING, OR TRANSITION. DOMES SHALL BE ALIGNED ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF THE CROSSWALK TO PERMIT WHEELS TO ROLL BETWEEN DOMES.



DOME SECTION

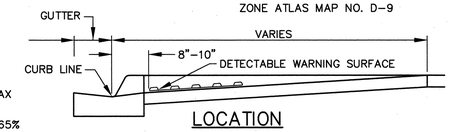
BD – BASE DIAMETER
0.9" MIN TO 1.4" MAX

TD – TOP DIAMETER
50% OF BD MIN TO 65% OF BD MAX



LOCATION MAP

ZONE ATLAS MAP NO. D–9

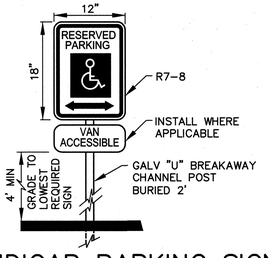


LOCATION

NOTE:
DESIGN DETECTABLE WARNING SURFACE PER ADA GUIDELINES, SUBMIT SPECS TO CITY CONSTRUCTION ENGINEER FOR EVALUATION PRIOR TO CONSTRUCTION.

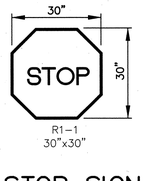
DETECTABLE WARNING SURFACE DETAIL

NTS



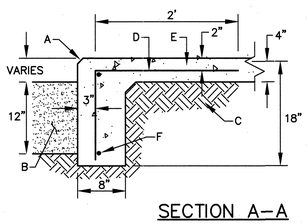
HANDICAP PARKING SIGN

SCALE: 1" = 1'



STOP SIGN

SCALE: 1" = 2'



SECTION A–A

GENERAL NOTES:

1. CONTROL JOINTS SHALL BE PLACED AT 5' OC
2. EXPANSION JOINTS SHALL BE PLACED AT 20' OC

CONSTRUCTION NOTES:

A. TOOLED EDGE
B. BIO ENGINEERED FILL
C. SUBGRADE COMPACTED TO 95%
D. #4 REBAR AT 12" OC
E. 4000 PSI CONCRETE WITH BRUSH FINISH
F. #4 REBAR, HORIZONTAL AND CONTINUOS

CONCRETE TURNDOWN SIDEWALK

SCALE: 1" = 1'

1" METERED SERVICE INSTALLATION NOTES:

1. REMOVE EXISTING CONCRETE AND METER BOX, SALVAGE METER BOX IF POSSIBLE
2. EXPOSE 4" PVC WL FROM BOC TO PL, CUT AND RELOCATE CAP AS INDICATED
3. INSTALL 1" METERED SERVICE LINE ON 4" WL STUB-OUT PER STD DWG 2362 W/ SALVAGED OR NEW METER BOX AND LID PER STD DWG 2366
4. REPLACE SIDEWALK

AS-BUILT INFORMATION
CONTRACTOR — DATE
WORK STAKED BY — DATE
INSPECTOR'S INITIALS — DATE
FIELD INFORMATION BY — DATE
DRAWINGS CORRECTED BY — DATE

BENCH MARKS
THE STATION IS A 3 1/2" ALUMINUM CAP SET FLUSH IN THE LAVA OUTCROP, AND IS STAMPED "ACS 8–C10, 1986". (NAD 1927).
X= 361860.83, Y= 1521476.37
ELEVATION = 5390.130 FT. (SLD 1929)

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
CHRISTOPHER A. PEREA
NEW MEXICO
13686
12-4-8
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS / REVISIONS	BY

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY	RSM	DATE	DEC 2007		
DRAWN BY	STAFF	DATE	DEC 2007		
CHECKED BY	DSA	DATE	DEC 2007		

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

MONTECITO PARK AT MONTECITO ESTATES
INFRASTRUCTURE FEATURES CONSTRUCTION PLAN

Design Review Committee: APPROVED DEC 23 2008 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED FEB 13 2009 CITY ENGINEER
Last Design Update: Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
7633.86	D–9	3	9

WCEA #X3218078
DEC. 2008

WILSON & COMPANY

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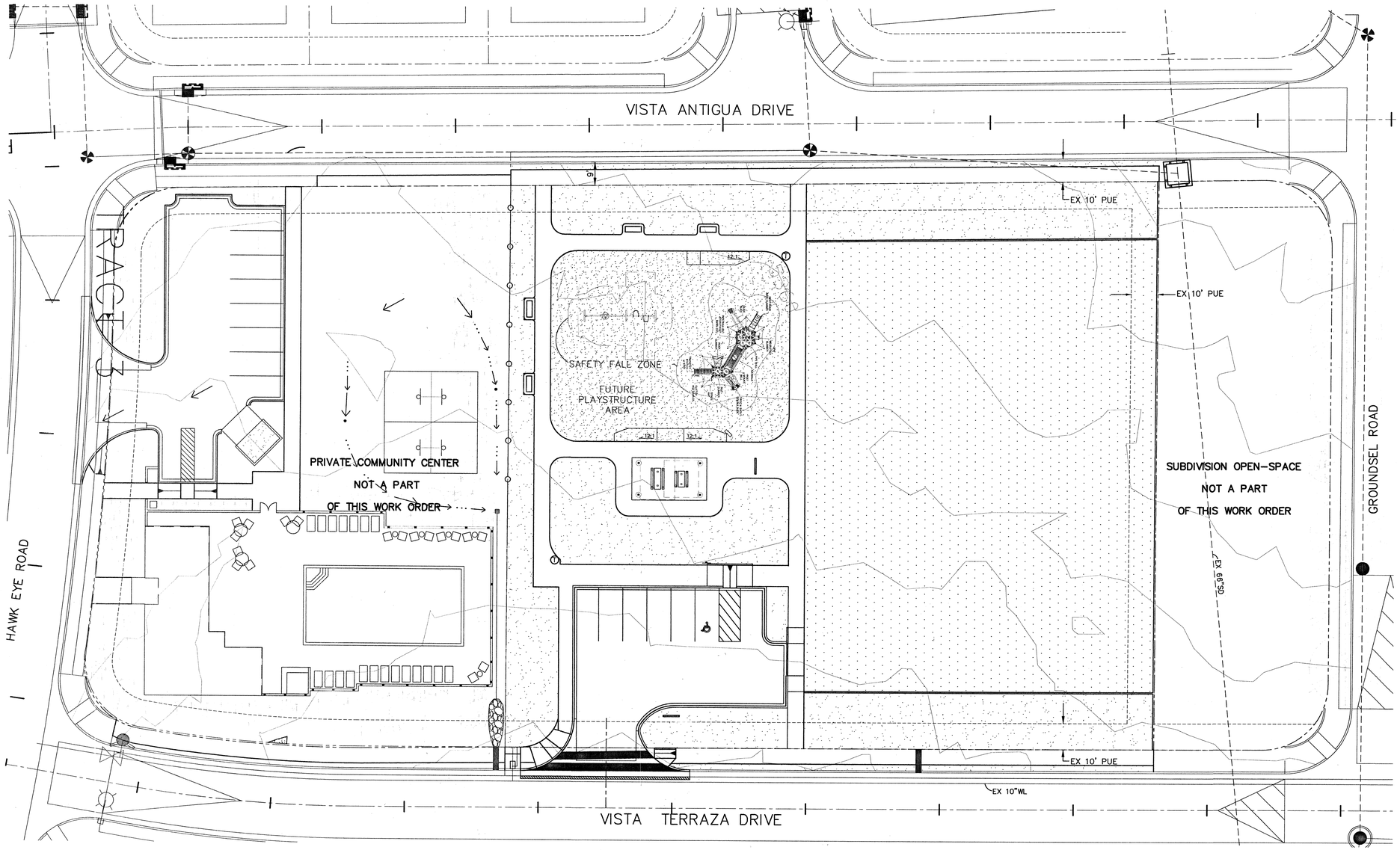


CONSTRUCTION LEGEND

SOD LAWN (SEE SECTION 1010 OF COA SPEC.) .507 ACRES

SANTA FE BROWN CRUSHERFINES 4" DEEP W/ TYPAR FILTERFABRIC

6" x 6" CONCRETE MOWCURB (SEE CITY STANDARD DWG 2726) 3000PSI

ENGINEERED WOODFIBER 12" DEEP (AFTER COMPACTION) 100% ADA ACCESSIBLE. MATERIAL PURCHASED FROM WESTERN ORGANICS/WOPCO

CONCRETE RAMP INTO BARK PLAY AREA. 5'X5' LANDING, 12:1 DOWN

ICON GABLE ROOF SHADE STRUCTURE (16x28') BLUE STREAK POWDER COATED FRAME AND ROMAN BLUE METAL ROOF. SEE DETAIL SHEET 5 OF 10. BUILDING PERMIT REQUIRED.

TABLE 8'LONG (2) (1 HC Accessible) MODEL NO. PWA-1126-08 AND PWA-1126-18 SURFACE MOUNT :PW ATHLETICS/RECYCLED PLASTIC IN GREY WITH POWDERCOATED METAL IN ROYAL BLUE. SEE DETAIL SHEET 4 OF 10

CUSTOM BARREL VAULTED GABLE END COVER TRANSIT SHELTER 8' X 9' (2) LITCHFIELD INC. MODEL #8499 AVAILABLE THRU TRIPLE M RECREATION. INSTALL PER MANUFACTURERS SPECIFICATIONS ON A CONCRETE PAD PER CITY STANDARD DWG. 2720 AS SHOWN ON THE DRAWING. 26-GAUGE PRECUT METAL ROOF COLOR: CHARCOAL
LK FRAMEWORK COLOR: REGAL BLUE
BENCH COLOR: DARK GREY WITH BLACK LEGS

BENCH 6' LONG (2) MODEL NUMBER. PWA 1112-06 SURFACE MOUNT :PW ATHLETICS/RECYCLED PLASTIC IN GREY WITH POWDERCOATED METAL IN ROYAL BLUE. SEE DETAIL SHEET 4 OF 10

PLAY STRUCTURE BY PLAYWORLD SYSTEMS MODEL NO. 228-023 2-12 YEARS (SEE DETAIL SHEET 5) PLASTIC AND POWDERCOAT COLORS: BLUE, AQUA AND AZURE. AGE SIGNAGE LOCATED ON STRUCTURE. 1' EXTENTION ON POLES TO RAISE FABRIC COVER, FOR VANDAL RESISTANCE. SEE DETAIL SHEET 6 OF 10

TIRESWING UNIT & TIRE SWING ADD-A-BAY WITH 2 BELT SWINGS. MODEL NO. PWS-TIRESWG AND PWS-TIRESWG-500-T. PLAYWORLD SYSTEMS. POWDERCOAT COLOR: AZURE.

TRASH RECEPTACLE (2) McCLINTOCK R30 MODEL

BIKE RACK (1) PW ATHLETIC MODEL NO. 1602-07 7 BAY ROLLER COATER-SURFACE MOUNT- POWDERCOAT COLOR: ROYAL BLUE. SEE DETAIL SHEET 4 OF 10

COA PARKS AND REC. PARK ID SIGN. TO BE INSTALLED BY COA.

EXISTING INFASTRUCTURE STREETLIGHTS

4' STEEL TUBE FENCE

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

FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
JAMES DE FLOIN 0007 REGISTERED LANDSCAPE ARCHITECT
12-10-08

100% SUBMITTAL

NO.	REMARKS	BY	DATE
4	REMARKS	BY	DATE
3	REMARKS	BY	DATE
2	REMARKS	BY	DATE
1	REMARKS	BY	DATE
NO.	REVISIONS	BY	DATE

DESIGNED BY CJ DATE X/XX/XXXX
DRAWN BY CJ DATE X/XX/XXXX
CHECKED BY JD DATE X/XX/XXXX

THE HILLTOP
LANDSCAPE ARCHITECTS AND CONTRACTORS
7909 EDITH BLVD. N.E.
ALBUQUERQUE, NEW MEXICO 87109
(505)898-9690

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

CITY OF ALBUQUERQUE

TITLE: MONTECITO PARK @ MONTECITO ESTATES
PARK FEATURES CONSTRUCTION PLAN

DESIGN REVIEW COMMITTEE: APPROVED DEC 23 2008 DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL: APPROVED FEB 13 2009 CITY ENGINEER
LAST DESIGN UPDATE: MO./DAY/YR. | MO./DAY/YR.

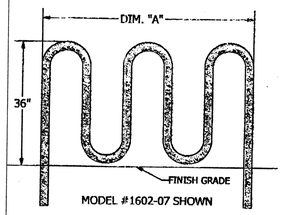
CITY PROJECT NO. 763386
ZONE MAP NO. D-9-Z
SHEET 4 OF 12

ROLLER COASTER BIKE RACK

[redacted]

MODEL #1602-07 7-SPACE RACK (90 lbs)

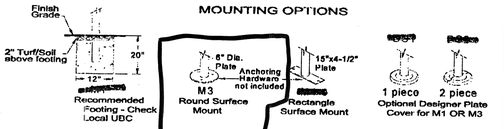
[redacted]



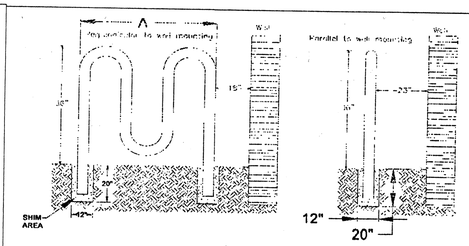
MODEL #1602-07 SHOWN

ROLLERCOASTER BIKE RACK		DIM. "A" NOMINAL
[redacted]		38"
1602-07		62"
[redacted]		87"
[redacted]		109"
[redacted]		139"

MOUNTING OPTIONS



Date: 8-15-07	SPECIFICATION/INSTALLATION INSTRUCTIONS	
Rev: A081507	ROLLER COASTER BIKE RACK	
Drawn: AMC	MODEL NO.	1602-05, -07, -09, -11, -13
Sheet: 1 of 2		



Note: Footing sizes are based on average soil conditions. Loose and/or sandy soil is not average and footing sizes must be increased accordingly to meet soil conditions and local building codes and specifications.

SPECIFICATIONS:

The Roller Coaster bike rack is a heavy-duty, multiple loop style bike rack that will fit in all areas for single or double side load. It can be surface-mounted or permanently installed in-ground.

Material: Manufactured from 2-3/8" O.D. heavy-duty galvanized steel.

Finish: Galvanized is standard, with optional powder coating in 12 available colors.

Warranty Period: 10 years

INSTALLATION INSTRUCTIONS:

Note: All model 1602 Roller Coaster Bike Racks require a concrete anchor for in-ground installation. Optional surface mount plate must be designated at time of order. Mounting hardware not included.

1. Determine location where bike rack is to be installed. If locating near building or wall. (See detail above.)
2. Dig hole for footing (see footing detail). Note: Use rack for spacing.
3. Set legs of bike rack in center of holes and shim from below or fill such that the top of the bike rack is 36" above finish grade. Plumb the bike rack to true vertical and brace. Note: Place a 2x4 on the ground under the bike rack to shim bottom of bike rack ensuring the correct height is kept while pouring concrete footing.
4. Pour concrete up to finish grade. Allow concrete to set for 3 days before removal of bracing.

Surface Mount Option: Surface mount plates are welded to rack for quick and easy installation. Pick desired location and anchor to surface using holes in mounting plates as a guide. Anchors not included.

Date: 8-15-07	SPECIFICATION/INSTALLATION INSTRUCTIONS	
Rev: A081507	ROLLER COASTER BIKE RACK	
Drawn: AMC	MODEL NO.	1602-05, -07, -09, -11, -13
Sheet: 2 of 2		

RECYCLED CURVED BACK BENCH

- MODEL #1112-06 6 FT. 4" x 4" RECYCLED PLASTIC BENCH WITH BACK (215 LBS)

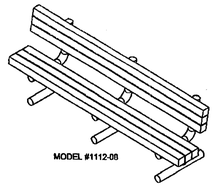
[redacted]

COLOR OPTIONS FOR RECYCLED PLASTIC PLANKS

[redacted] • GRAY [redacted]

FRAMES AVAILABLE STANDARD AS:

• POWDER COATED



MODEL #1112-08

Specifications:

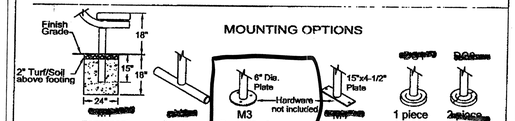
Leg Frame: A welded 2-3/8" O.D. galvanized steel frame with holes provided for leg screw assembly and at the bottom of leg for optional anchoring. Anchoring hardware not included.

Recycled Planks: HDPE plastic.

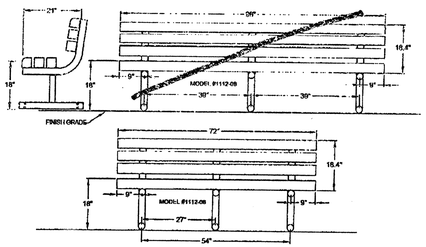
Finish: All welds are ground smooth.

Hardware: All hardware is zinc-plated for long, rust-free service.

MOUNTING OPTIONS



P.O. Box 9028 Ph: 800-687-5768 Fax: 866-888-1110 Mesa, AZ 85214	SCALE: N.T.S. DATE: 6-24-04 DRAWN BY: AMC REV: 6-14-06	title: Specification/Installation Instructions RECYCLED PLASTIC CURVED BACK BENCH
	DWG. NO.	MODEL #1112-06 MODEL #1112-08 SHEET 1 OF 2



Installation Instructions:

1. Line-up the pre-drilled holes in the planks with the holes in the frames and screw in the lag bolt with flat washer until almost tight. Align other frames and do the same. Note: Leave all lag bolts loose until all planks are in place.
2. Line up the holes on another plank and screw lag bolts in place as in step 1.
3. When all planks are attached to frames, align ends on all planks and tighten all lag bolts.
4. Bench is ready for use.

-06 & -08

MATERIAL LIST	QTY
Recycled Plastic Planks (6ft or 8ft)	4
Recycled Plastic Planks (6ft or 8ft) (Radius Edge)	2
Leg Frames	3
5/16" x 5" Lag Screws	18
5/16" Flat Washers	18
SPACERS	2

P.O. Box 9028 Ph: 800-687-5768 Fax: 866-888-1110 Mesa, AZ 85214	SCALE: N.T.S. DATE: 6-24-04 DRAWN BY: AMC DRV: 4-30-07	title: Specification/Installation Instructions RECYCLED PLASTIC CURVED BACK BENCH
	DWG. NO.	MODEL #1112-06 MODEL #1112-08 SHEET 2 OF 2

4" X 4" RECYCLED PLASTIC PICNIC TABLE

[redacted]

FRAMES AVAILABLE STANDARD AS:

• [redacted]

• POWDER COATED

COLOR: Royal Blue

• MODEL #1126-08 8 FT. TABLE W/FOUR SEAT BDS. (643 LBS)

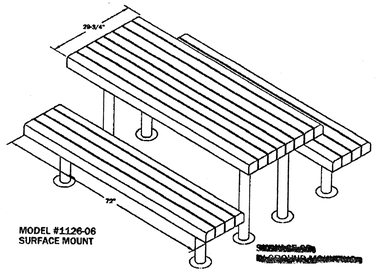
• MODEL #1126-18 ADA TABLE W/FOUR SEAT BDS. (586 LBS)

COLOR OPTIONS FOR RECYCLED PLASTIC PLANKS

• [redacted]

• GRAY

• [redacted]



MODEL #1126-08
SURFACE MOUNT

[redacted]

Specifications:

General: A heavy-duty table with galvanized steel frames and maintenance-free HDPE recycled plastic seats and table planks.

Heavy Duty Frames: Formed and welded into a single unit consisting of 2-3/8" O.D. steel, 2"x 3" x 3/16" steel angle seat and table supports. Two frames are required per table. All welded construction of frames eliminates excess hardware and simplifies assembly. The wide end-frame design allows anti-tipping protection without permanent anchoring.

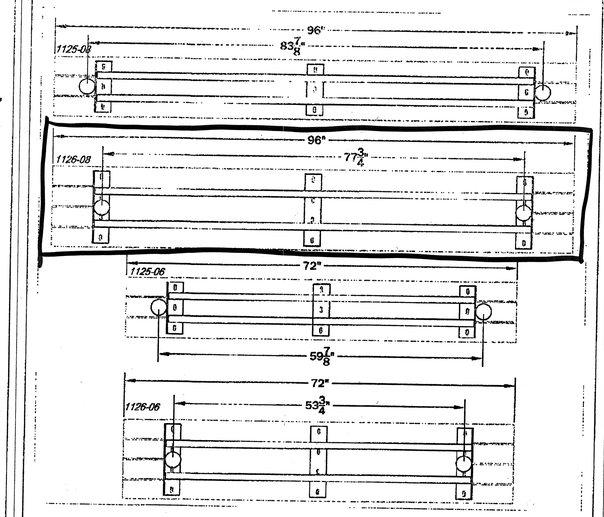
Plastic Tabletop & Benches: This material is cleaned and decontaminated removing food residue, paper and adhesives. This material has exceptional resistance to corrosive substances and other environmental stresses and weather. This material requires no waterproofing, painting, staining or similar maintenance when used outdoors.

Angle Plank Support: Planks supports are welded from 2" x 2" x 3/16" galvanized angle iron.

All hardware is zinc-plated for long rust free service.

Warranty Period: 3 Years

P.O. Box 9028 Ph: 800-687-5768 Fax: 866-888-1110 Mesa, AZ 85214	SCALE: N.T.S. DATE: 8-2-04 DRAWN BY: AMC REV: 11-13-08	title: Specification/Installation Instructions 4" x 4" RECYCLED PLASTIC PICNIC TABLE
	DWG. NO.	MODEL NO. 1125-06 & 1126-06 1125-08 & 1126-08 SHEET 1 OF 4



3 Seat Boards

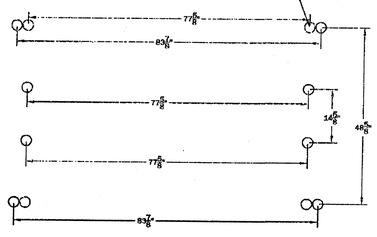
ITEM	Material List: 1125-06 & 1125-08	QTY
1	Recycled Planks - 6 Ft or 8 Ft	14
2	Table Leg Frames - 6 Ft or 8 Ft	2
3	Seat Leg Frames - 6 Ft or 8 Ft	2
4	5/16" x 2" LAG SCREW	58
5	5/16" FLAT WASHER	62
6	ADA FRAME - OPTION	1
7	5/16" x 2" Hex Bolt - (for ADA)	2
8	5/16" Nut - (for ADA)	4

4 Seat Boards

ITEM	Material List: 1126-06 & 1126-08	QTY
3	Recycled Planks - 6 Ft or 8 Ft	16
2	Table Leg Frames - 6 Ft or 8 Ft	2
3	Seat Leg Frames - 6 Ft or 8 Ft	2
4	5/16" x 2" LAG SCREW	64
5	5/16" FLAT WASHER	68
6	ADA FRAME - OPTION	1
7	5/16" x 2" Hex Bolt - (for ADA)	2
8	5/16" Nut - (for ADA)	4

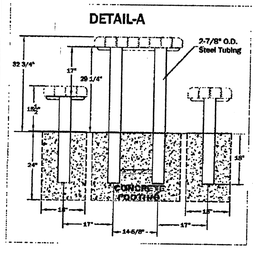
P.O. Box 9028 Ph: 800-687-5768 Fax: 866-888-1110 Mesa, AZ 85214	SCALE: N.T.S. DATE: 8-2-04 DRAWN BY: AMC REV: 11-13-08	title: Specification/Installation Instructions 4" x 4" RECYCLED PLASTIC PICNIC TABLE
	DWG. NO.	MODEL NO. 1125-06 & 1126-06 1125-08 & 1126-08 SHEET 3 OF 4

1126 SEAT FOOTING

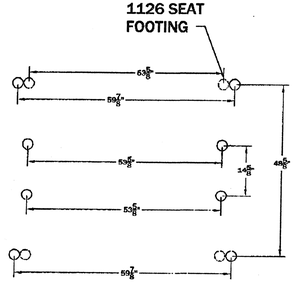


1125-08 FOOTING

DETAIL-A



1126 SEAT FOOTING



1125-06 FOOTING

P.O. Box 9028 Ph: 800-687-5768 Fax: 866-888-1110 Mesa, AZ 85214	SCALE: N.T.S. DATE: 8-2-04 DRAWN BY: AMC REV: 7-6-07	title: Specification/Installation Instructions 4" x 4" RECYCLED PLASTIC PICNIC TABLE
	DWG. NO.	MODEL NO. 1125-06 & 1126-06 1125-08 & 1126-08 SHEET 4 OF 4

AS BUILT INFORMATION

CONTRACTOR

WORK STAKED BY — DATE

INSPECTION OF WORK — DATE

FIELD CHANGES BY

DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE

NO.

FIELD NOTES

NO.	DATE	BY

ENGINEER'S SEAL

4-24-09

100% SUBMITTAL

NO.	DATE	REMARKS	BY
4	DATE	REMARKS	BY
3	DATE	REMARKS	BY
2	DATE	REMARKS	BY
1	DATE	REMARKS	BY

REVISIONS

DESIGN — DATE X/XX/XXXX

DESIGNED BY CJ

DRAWN BY CJ — DATE X/XX/XXXX

CHECKED BY JD — DATE X/XX/XXXX

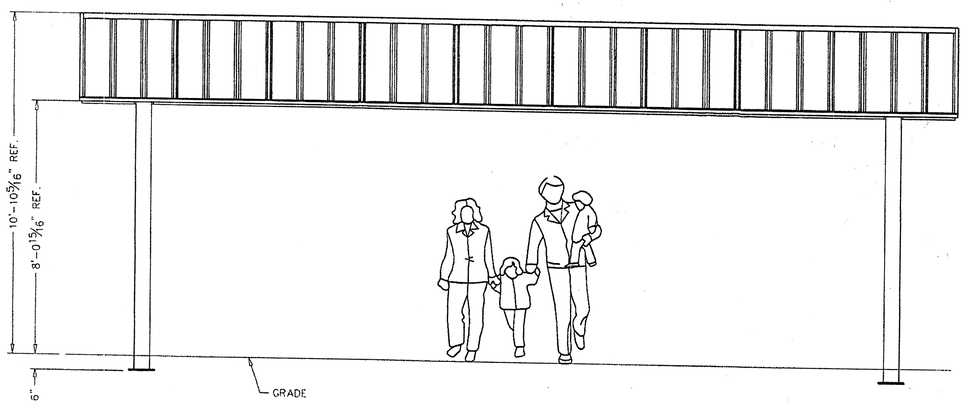
THE HILLTOP
LANDSCAPE ARCHITECTS AND CONTRACTORS
7909 EDITH BLVD. N.E.
ALBUQUERQUE, NEW MEXICO 87109
(505)898-9690

CITY OF ALBUQUERQUE

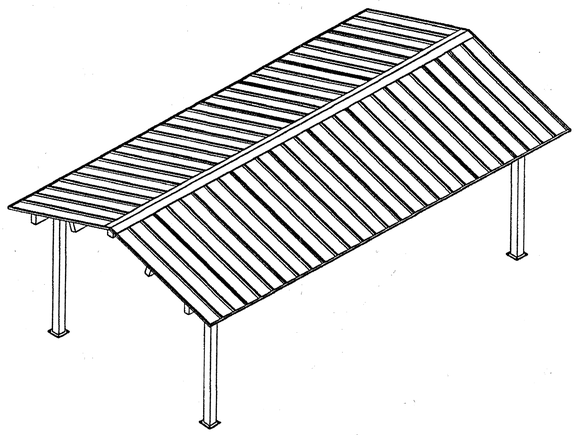
TITLE: MONTECITO PARK @ MONTECITO ESTATES
PARK FEATURES DETAIL SHEET

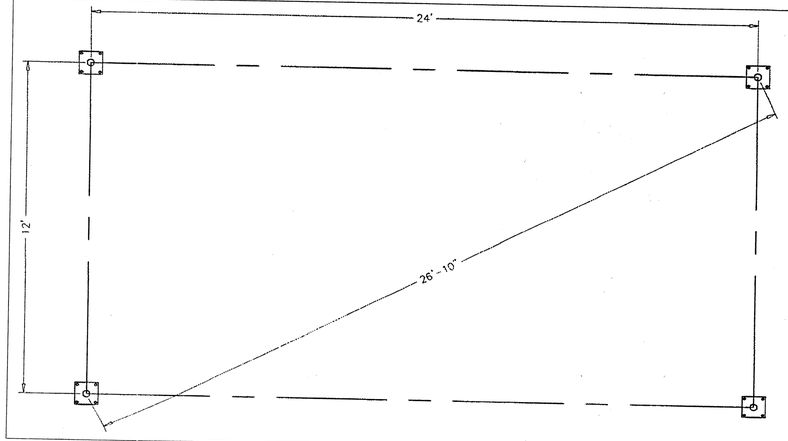
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED DEC 23 2008 DESIGN REVIEW COMMITTEE	APPROVED FEB 13 2009 CITY ENGINEER			

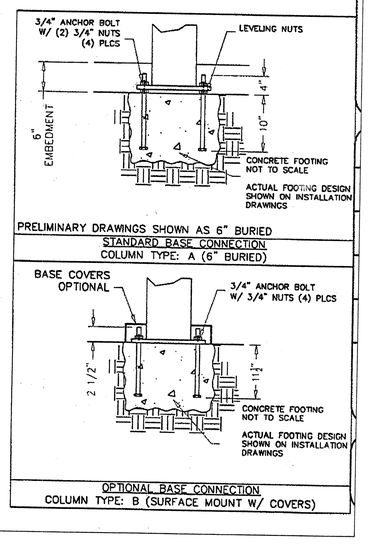
CITY PROJECT NO.	ZONE MAP NO.	SHEET OF
763386	D-9-Z	5 12



PRELIMINARY: NOT FOR CONSTRUCTION







ICON Shelter Systems Inc
INNOVATIVE STEEL SHELTERS
WWW.IMAGINESHELTERS.COM

7900 LOGISTICS DR. SUITE C.
ZEELAND MI, 49464
616.748.0985
800.748.0985
616.748.0995 FX

Elevation

DRAWN BY:	JSW
DATE:	4/21/08
JOB NO.:	STANDARD
REVISION:	
BUILDING TYPE:	RG16x28MB-P4
PROJECT NAME:	

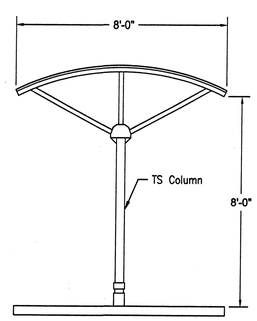
SHEET 1.0

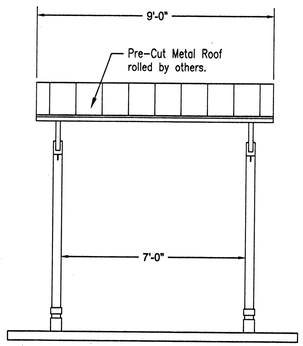
DWG: \\Icon01\Company\Engineering\Standards\RG\16X28\M-P4-25-90-30\Drawings\Preliminary\RG16x28MB-P4-25-90-2657.DWG

Litchfield

All quotation drawings are preliminary only, not to be used for installation of any kind.

Landscape





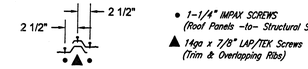
Elevation

TITLE: Elevation Views
DRAWN BY: TRW DATE: 11-18-08
4 Industrial Drive Litchfield, MI 49252
LITCHFIELD Landscape Elements
Ph: 517 542 2988 Fx: 517 542 3939
MODEL: 8'x9' "Barrell Vaulted" Mini Shelter "A"
SHEET: 1 QUOTE #:

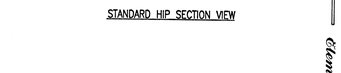
Litchfield

All quotation drawings are preliminary only, not to be used for installation of any kind.

Landscape



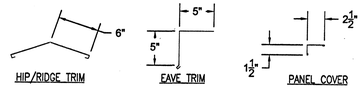
24GA. MULTI-RIB PROFILE



STANDARD HIP SECTION VIEW

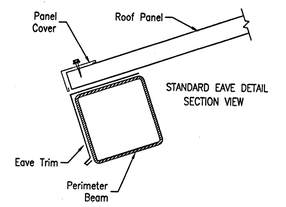
- 1-1/4" IMPAX SCREWS (Roof Panels -to- Structural Steel)
- ▲ 14ga x 7/8" LAP/TEK Screws (Trim & Overlapping Ribs)

FASTENER LAYOUT



HIP/RIDGE TRIM EAVE TRIM PANEL COVER

STANDARD TRIM PROFILES



Elevation

TITLE: Roof Specs
DRAWN BY: TRW DATE: 11-18-08
4 Industrial Drive Litchfield, MI 49252
LITCHFIELD Landscape Elements
Ph: 517 542 2988 Fx: 517 542 3939
MODEL: Pittsburgh Mini Shelter "A" 8' x 10'
SHEET: 2 QUOTE #:

AS BUILT INFORMATION

	DATE	BY
CONTRACTOR		
WORK STARTED BY		
INSPECTIONS ACCEPTANCE BY	DATE	
VERIFICATION BY	DATE	
DRAWINGS CORRECTED BY	DATE	

MICRO-FILM INFORMATION

	DATE	BY
RECORDED BY		
NO.		

FIELD NOTES

NO.	DATE	BY

ENGINEER'S SEAL

11-24-09

100% SUBMITTAL

NO.	DATE	REMARKS	BY
4	DATE	REMARKS	BY
3	DATE	REMARKS	BY
2	DATE	REMARKS	BY
1	DATE	REMARKS	BY

REVISIONS

DESIGNED BY	CJ	DATE X/XX/XXXX
DRAWN BY	CJ	DATE X/XX/XXXX
CHECKED BY	JD	DATE X/XX/XXXX

THE HILLTOP
LANDSCAPE ARCHITECTS AND CONTRACTORS
7909 EDITH BLVD. N.E.
ALBUQUERQUE, NEW MEXICO 87109
(505)898-9690

CITY OF ALBUQUERQUE

TITLE: MONTECITO PARK @ MONTECITO ESTATES
PARK FEATURES DETAIL SHEET

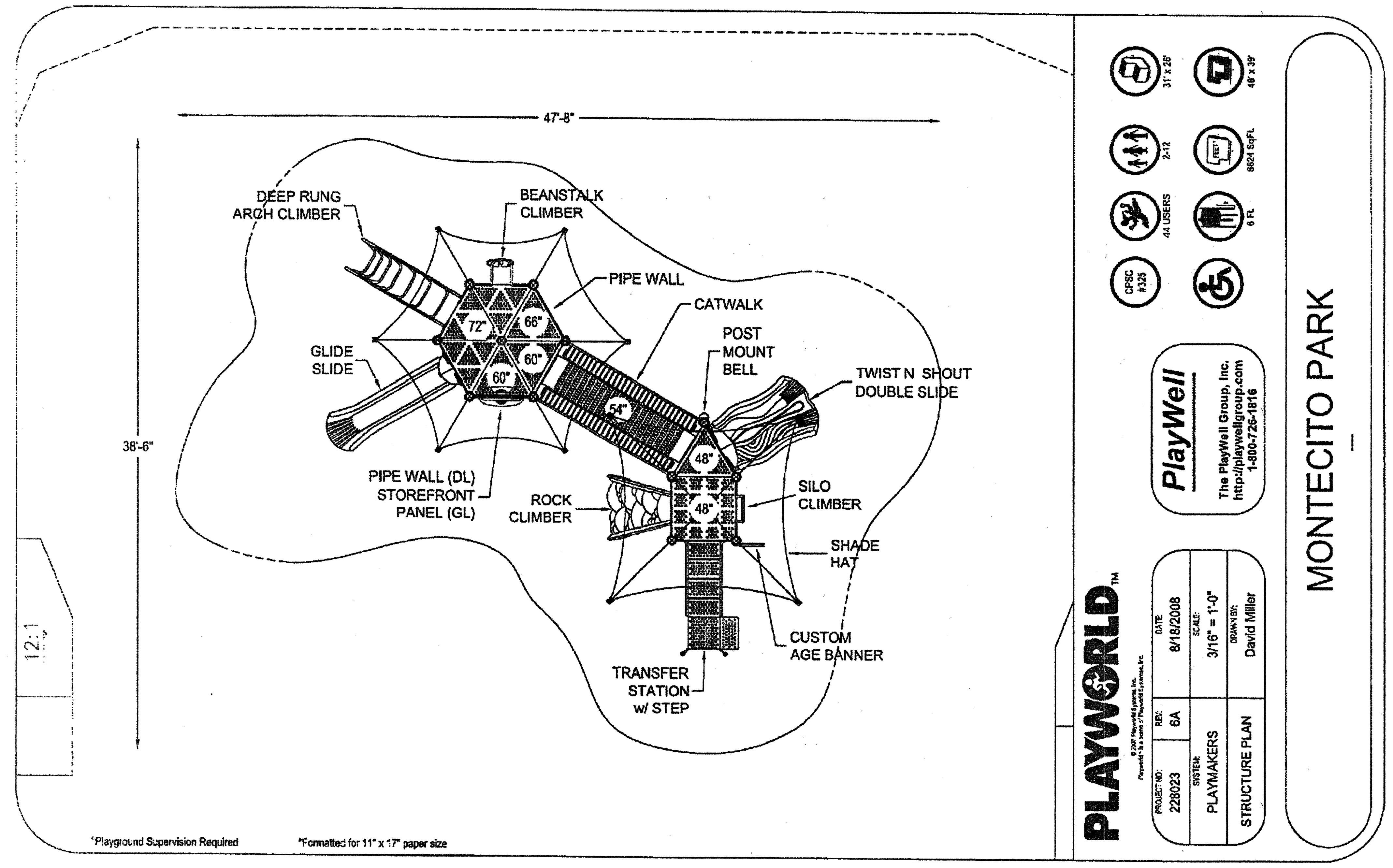
DESIGN REVIEW COMMITTEE: APPROVED DEC 23 2009 DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL: APPROVED FEB 19 2009 CITY ENGINEER

LAST DESIGN UPDATE

MO./DAY/YR.	MO./DAY/YR.

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
763386	D-9-Z	6	12



MONTECITO PARK

Design No: 228023-6A - Bill of Materials

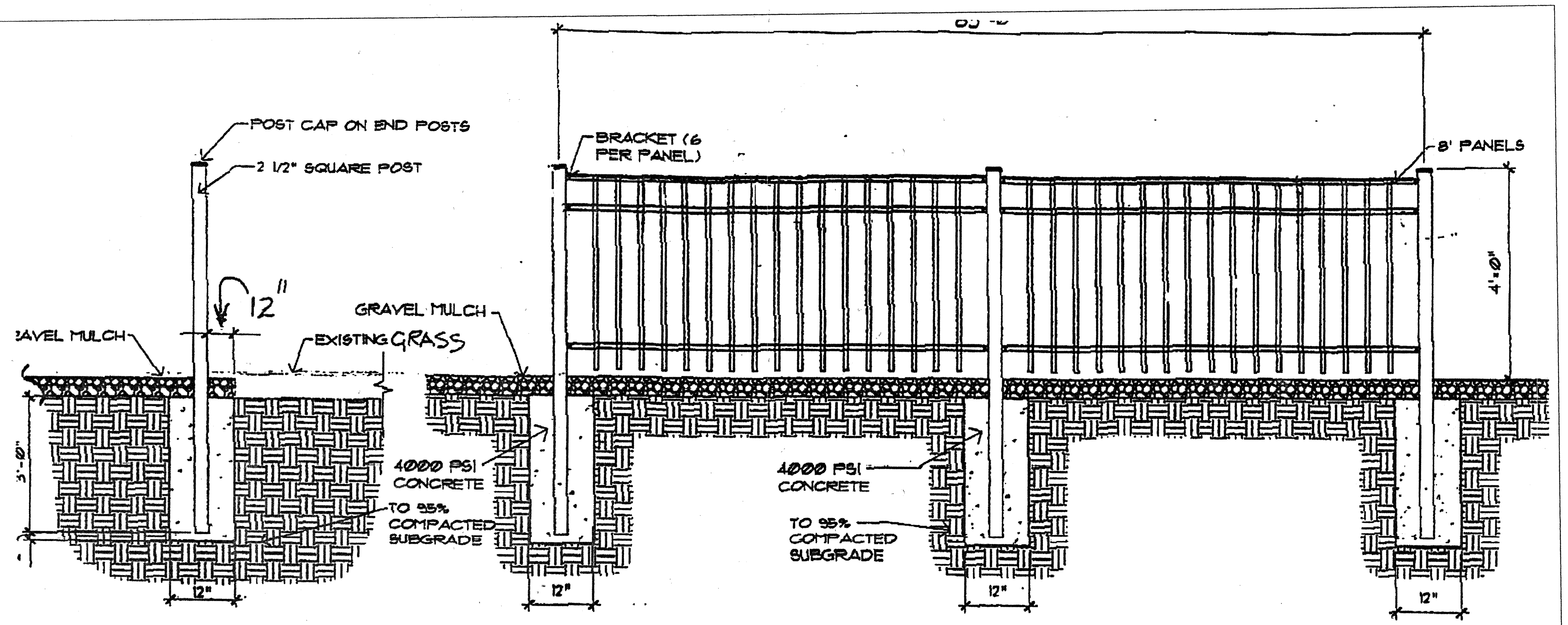
Ref. No.	Part Number	Description	Quantity
	Posts		
1	ZZPM0036	5in OD X 144in STEEL POST W/ RIVETED CAP	1
2	ZZPM0046	5in OD X 156in STEEL POST W/ RIVETED CAP	1
3	ZZPM0247	5in OD x 201in SWAGED STEEL POST	6
4	ZZPM0278	1ft SWAGED POST EXTENSION	10
5	ZZPM0287	5in OD x 188in SWAGED STEEL POST	4
	Decks & Kick Plates		
6	ZZPM0616	SQUARE COATED DECK ASSEMBLY	1
7	ZZPM0617	TRIANGULAR COATED DECK ASSEMBLY	4
8	ZZPM0618	1/2 HEX COATED DECK ASSEMBLY	1
9	ZZPM2530	12in DECK TO DECK KICK PLATE	1
10	ZZUN2290	COATED DECK TO DECK CONNECTION KIT	2
	ADA Items		
11	ZZPM2027	TRANSFER STATION (48in DECK)	1
12	ZZUN2019	APPROACH STEP FOR TRANSFER STATION	1
	Slides		
13	ZZPM2696	GLIDE SLIDE (72in DECK)	1
14	ZZPM2727	TWIST AND SHOUT (48in DECK)	1
15	ZZPM2805	ENTRY SUPPORT BRACKET	2
	Activity Panels		
16	ZZPM4646	STOREFRONT PANEL	1
	Barriers		
17	ZZPM4090	CENTERLINE PIPE WALL BARRIER	2
	Custom Graphics		
18	ZZPM4368	CUSTOM GRAPHIC BANNER	1
	Climbers		
19	ZZPM7430	DEEP RUNG ARCH CLIMBER (72in DECK)	1
20	ZZPM7439	ROCK CLIMBER	1
21	ZZPM7950	SILO CLIMBER (48in DECK)	1
22	ZZPM8130	BEANSTALK CLIMBER (72in DECK)	1
	Bridges		
23	ZZPM6890	10ft CATWALK	1
	Audible Activities		
24	ZZPM4556	7in BELL (POST MOUNT)	1
	Roofs & Arches		
25	ZZPM9716	SQUARE HAT SHADE (PM)	1
26	ZZPM9717	HEX HAT SHADE (PM)	1
	Additional Tool & Maintenance Kits		
27	ZZPMGUID	GENERAL GUIDELINES FOR PLAYMAKER	1
28	ZZUN9910	SURFACING WARNING LABEL KIT	1
29	ZZUN9930	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL	1
30	ZZUN9990	TOOL AND ADDITIONAL PARTS KIT W/AEROSOL	1

MONTECITO PARK

Compliance Listing

This custom play structure, drawing number 228023-6A, has been designed to meet the requirements of the ASTM F1487-07 standard. In the interest of playground safety, IPEMA provides a Third Party Certification Service whereby a designated independent laboratory validates a participant's certification of conformance to ASTM F1487-07, except section 12.6.1. In addition to the overall layout and design of this playstructure, the play components listed here in are IPEMA certified and as of Monday, August 18, 2008, and listed as IPEMA Certified Product on the IPEMA website, www.ipema.org. Check the IPEMA website to confirm current product validation. Products listed as Not Applicable do not fall within the scope of the ASTM F1487-07 standard and therefore they have not been tested to the standard.

Part	Description	Status
ZZXX0246	BELT SEAT W/COATED CHAIN FOR 7ft TOP RAIL	Certified
ZZXX0298	5in OD ALUMINUM ARCH TIRE SWING	Certified
ZZXX0370	5in OD ALUMINUM ARCH SWING 2-UNIT ADD-A-BAY	Certified
ZZPM0036	5in OD X 144in STEEL POST W/ RIVETED CAP	Certified
ZZPM0046	5in OD X 156in STEEL POST W/ RIVETED CAP	Certified
ZZPM0247	5in OD x 201in SWAGED STEEL POST	Certified
ZZPM0278	1ft SWAGED POST EXTENSION	Certified
ZZPM0287	5in OD x 188in SWAGED STEEL POST	Certified
ZZPM0616	SQUARE COATED DECK ASSEMBLY	Certified
ZZPM0617	TRIANGULAR COATED DECK ASSEMBLY	Certified
ZZPM0618	1/2 HEX COATED DECK ASSEMBLY	Certified
ZZPM2530	12in DECK TO DECK KICK PLATE	Certified
ZZUN2290	COATED DECK TO DECK CONNECTION KIT	Certified
ZZPM2027	TRANSFER STATION (48in DECK)	Certified
ZZUN2019	APPROACH STEP FOR TRANSFER STATION	Certified
ZZPM2696	GLIDE SLIDE (72in DECK)	Certified
ZZPM2727	TWIST AND SHOUT (48in DECK)	Certified
ZZPM2805	ENTRY SUPPORT BRACKET	Certified
ZZPM4646	STOREFRONT PANEL	Certified
ZZPM4090	CENTERLINE PIPE WALL BARRIER	Certified
ZZPM4368	CUSTOM GRAPHIC BANNER	Certified
ZZPM7430	DEEP RUNG ARCH CLIMBER (72in DECK)	Certified
ZZPM7439	ROCK CLIMBER	Certified
ZZPM7950	SILO CLIMBER (48in DECK)	Certified
ZZPM8130	BEANSTALK CLIMBER (72in DECK)	Certified
ZZPM6890	10ft CATWALK	Certified
ZZPM4556	7in BELL (POST MOUNT)	Certified
ZZPM9716	SQUARE HAT SHADE (PM)	Certified
ZZPM9717	HEX HAT SHADE (PM)	Certified
ZZPMGUID	GENERAL GUIDELINES FOR PLAYMAKER	Not Applicable
ZZUN9910	SURFACING WARNING LABEL KIT	Certified
ZZUN9930	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL	Not Applicable
ZZUN9990	TOOL AND ADDITIONAL PARTS KIT W/AEROSOL	Not Applicable



TUBULAR STEEL FENCE DETAIL

SCALE: NTS

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.

FIELD NOTES
NO. — BY — DATE

ENGINEER'S SEAL
STATE OF NEW MEXICO — LANDSCAPE FLON — 0007 — REGISTERED LANDSCAPE ARCHITECT
12-10-08

NO.	DATE	REMARKS	BY
4	DATE	REMARKS	BY
3	DATE	REMARKS	BY
2	DATE	REMARKS	BY
1	DATE	REMARKS	BY
NO.	DATE	REVISIONS	BY

100% SUBMITTAL

DESIGN		
DESIGNED BY	CJ	DATE X/XX/XXXX
DRAWN BY	CJ	DATE X/XX/XXXX
CHECKED BY	JD	DATE X/XX/XXXX

THE HILLTOP
LANDSCAPE ARCHITECTS AND CONTRACTORS
7909 EDITH BLVD. N.E.
ALBUQUERQUE, NEW MEXICO 87109
(505)898-9690

CITY OF ALBUQUERQUE

TITLE: MONTECITO PARK @ MONTECITO ESTATES
PARK FEATURES DETAIL SHEET

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED DEC 23 2008 DESIGN REVIEW COMMITTEE	APPROVED FEB 13 2009 CITY ENGINEER			

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
763386	D-9-Z	7	12

VISTA ANTIGUA DRIVE

TRACT 3

HAWK EYE ROAD

PRIVATE COMMUNITY CENTER

NOT A PART

OF THIS WORK ORDER

EX 10' PUE

EX 10' PUE

SUBDIVISION OPEN-SPACE

NOT A PART

OF THIS WORK ORDER

GROUNDSEL ROAD

EX 66' ROW

do not plant.

RMC
12-11-08

EX 10' PUE

EX 10"WL

VISTA TERRAZA DRIVE

PLANT LEGEND

All plants shall be sized per American Standard for Nursery Stock

BLOODGOOD SYCAMORE (M) 12
Platanus x acerfolia 'Bloodgood'
2" Cal., 60' H x 60' W

CHINESE PISTACHE (M) 4
Pistachia chinensis
2" Cal., 30' H x 30' W

MAIDENGRASS (M) 13
Miscanthus spp.
5 Gal. 25sf, 5' H x 5' W

* SCOTCH BROOM (M) 10
Cytsus scoparius
5 Gal. 16sf, 4' H x 4' W

HONEYSUCKLE (M) 23
Lonicera japonica 'Halls'
1 Gal. 81sf, 2' H x 9' W
Symbol indicates 3 plants

* RED YUCCA (L) 17
Hesperaloe parviflora
5 Gal. 9sf, 3' H x 4' W

REGAL MIST (M) 12
Muhlenbergia capillaris
5 Gal. 9sf, 3' H x 3' W

PROPOSED OFFSITE PLANTMATERIAL

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

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

FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
STATE OF NEW MEXICO
JAMES DE FLON
0007
REGISTERED LANDSCAPE ARCHITECT
12-10-08

100% SUBMITTAL

NO.	REVISIONS	BY	DATE
4	REMARKS	BY	DATE
3	REMARKS	BY	DATE
2	REMARKS	BY	DATE
1	REMARKS	BY	DATE

DESIGNED BY CJ DATE X/XX/XXXXX
DRAWN BY CJ DATE X/XX/XXXX
CHECKED BY JD DATE X/XX/XXXX

THE HILLTOP
LANDSCAPE ARCHITECTS AND CONTRACTORS
7909 EDITH BLVD. N.E.
ALBUQUERQUE, NEW MEXICO 87109
(505)898-9690

CITY OF ALBUQUERQUE

TITLE: MONTECITO PARK @ MONTECITO ESTATES
PLANTING PLAN

DESIGN REVIEW COMMITTEE
APPROVE
DEC 23 2008
DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL
APPROVE
FEB 13 2009
CITY ENGINEER

LAST DESIGN UPDATE | MO./DAY/YR. | MO./DAY/YR.

CITY PROJECT NO. 763386
ZONE MAP NO. D-9-Z
SHEET 8 OF 12

Zone No.	Plant Type	Zone Description	Prec. rate in/hr	Zone flow GPM	Peak Inches per week JULY		Weekly zone run time hours JULY	Daily zone run time minutes JULY		Water usage gallons per week	Design operating pressure psi
01	Sod	Rotor I-20 (#3.0H)	0.33	14.8	2.00		6.06	51		5381	50.00
02	Sod	Rotor I-20 (#3.0H)	0.33	15.5	2.00		6.06	51		5635	50.00
03	Sod	Rotor I-20 (#3.0H)	0.33	15.5	2.00		6.06	51		5635	50.00
04	Sod	Rotor I-20 (#4.0 F)	0.34	16.8	2.00		5.80	49		5394	50.00
05	Sod	Rotor I-20 (#4.0 F)	0.34	16.8	2.00		5.80	49		5394	50.00
06	Sod	Rotor I-20 (#4.0 F)	0.34	16.8	2.00		5.80	49		5394	50.00
07	TREES SHRUBS	BUBBLER #PCB-25	.25GPM EA	16.25	5 GAL /SHRUB 15GAL TREE		.38	5		536	50.00
08	TREES SHRUBS	BUBBLER #PCB-25	.25GPM EA	14	5 GAL /SHRUB 15GAL TREE		.38	5		462	50.00
							36.24	5.1 HRS		33831	
							TOTAL HRS PER WEEK JULY			GALLONS PER WEEK JULY	

TYPICAL SCHEDULE JULY: **TOTAL DAILY RUNTIME MAXIMUM IN JULY IS 5.1 HRS**

IRRIGATION SCHEDULE

VALVE ID	PROGRAM	SPK TYPE	FLOW	PRECIP RATE	RUNTIME
1	A	TURF-PC	14.8	.33"/HR	90 MIN
2	B	TURF-PC	15.5	.33"/HR	90 MIN
3	C	TURF-PC	15.5	.33"/HR	90 MIN
4	D	TURF-FC	16.8	.34"/HR	90 MIN

STATION RUNTIMES ARE CALCULATED TO APPLY .50" OF ON ALL TURF AREAS, 3 GALLONS OF WATER PER SHRUB AND 9 GALLONS OF WATER PER TREE PER IRRIGATION CYCLE.

IRRIGATION SCHEDULE

VALVE ID	PROGRAM	SPK TYPE	FLOW	PRECIP RATE	RUNTIME
5	E	TURF-FC	16.8	.34"/HR	120 MIN
6	F	TURF-FC	16.8	.34"/HR	120 MIN
7	G	BUBBLER	16.25	.25/ .75 GPM	12 MIN
8	H	BUBBLER	14	.25/ .75 GPM	12 MIN

STATION RUNTIMES ARE CALCULATED TO APPLY .66" OF ON ALL TURF AREAS, 3 GALLONS OF WATER PER SHRUB AND 9 GALLONS OF WATER PER TREE PER IRRIGATION CYCLE.

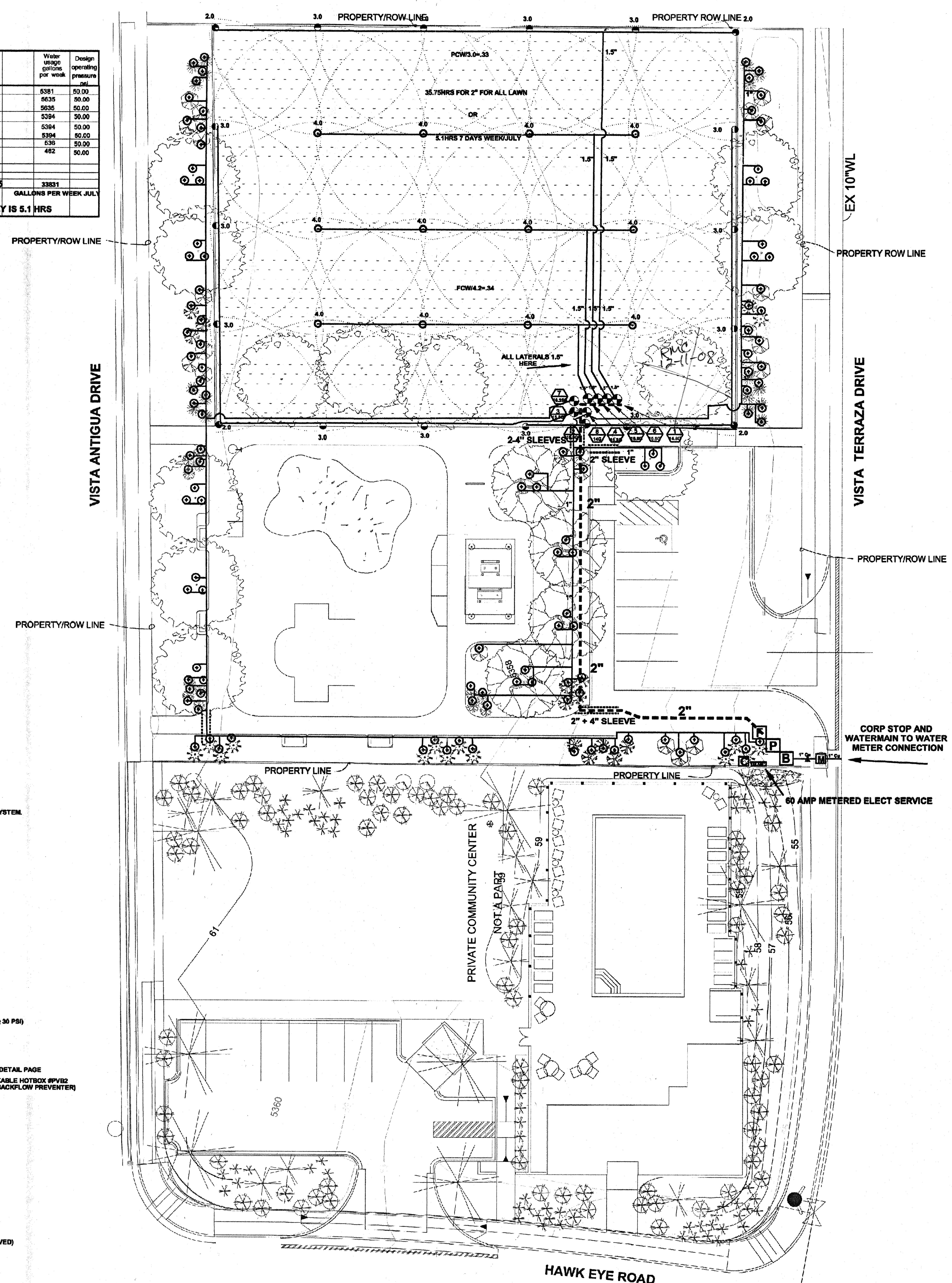
IRRIGATION FRICTION LOSSES

IRRIGATION COMPONENT @ 18 GPM	PRESSURE LOSS
1" TYPE 'K' SERVICE FROM MAIN, AND METER SET 22'	2 PSI
1" WATER METER (BADGER RECORDALL 100)	1.5 PSI
1" RP (FEBCO 825YA SERIES) @17GPM	8.0 PSI
1" FLOW METER (MASTER METER)	1.4 PSI
1" MASTER VALVE	2.3 PSI
1" ZONE VALVE	2.3 PSI
LATERAL PIPE (ESTIMATE)	4.0 PSI
1.5" MAINLINE PIPE (270' / .8 PSI PER 100')	2.1 PSI
ELEVATION (POSITIVE GAIN IN PRESSURE)	>0
TOTAL PRESSURE LOSSES:	-23.6 PSI
EXPECTED WATER PRESSURE: CITY STATIC	+40PSI
BOOSTER PUMP PRESSURE INCREASE	35PSI
SPRINKLER OPERATING PSI:	51.4 PSI

THIS IRRIGATION SYSTEM IS DESIGN TO OPERATE WITH A MINIMUM CITY MAINLINE WATER PRESSURE OF 40 PSI @ 18 GPM. THE CONTRACTOR SHALL THOROUGHLY TEST THE CONDITIONS OF THE WATER AVAILABILITY PRIOR TO THE INSTALLATION OF THE IRRIGATION SYSTEM.

IRRIGATION LEGEND

- HUNTER #I-20-36S-4.0 FULL CIRCLE ROTARY SPRINKLER WITH STAINLESS STEEL RISER, CHECK VALVE AND #4.0 NOZZLE (35' RADIUS, 4.2 GPM, .34"/hr @ 50 PSI)
- HUNTER #I-20-ADS-2.7 HALF CIRCLE ROTARY SPRINKLER WITH STAINLESS STEEL RISER, CHECK VALVE AND #3.0 NOZZLE (35' RADIUS, 2.7 GPM, .33"/hr @ 50 PSI)
- HUNTER #I-25-ADS-5.0 QUARTER CIRCLE ROTARY SPRINKLER WITH STAINLESS STEEL RISER, CHECK VALVE AND #320 NOZZLE (35' RADIUS, 2.0 GPM, .33"/hr @ 50 PSI)
- HUNTER #PCB-25 TRICKLE PATTERN, PRESSURE COMPENSATING FLOOD BUBBLER (.25 GPM @ 30 PSI) SEE DETAILS FOR ACTUAL INSTALLATION DIRECTION
- RAINBIRD #100-PEB 1 " PLASTIC ELECTRIC VALVE WITH FLOW CONTROL (1-25 GPM / 2.3 PSI LOSS @ 17 GPM) REMOVE FLOW CONTROL FROM BUBBLER VALVES
- P — BOOSTER PUMP: GRUNDFOS CRE 3-6 HP PH 208-230V WITH HOT BOX ENCLOSURE ; SEE PUMP DETAIL PAGE
- B — FEBCO #825YA 1" PRESSURE VACUUM BREAKER BACKFLOW PREVENTER ENCLOSED IN LOCKABLE HOTBOX #PVB2 INSULATED BACKFLOW ENCLOSURE (CONTRACTOR TO PROVIDE POSITIVE HEAT SOURCE TO BACKFLOW PREVENTER)
- M — CITY WATER METER - BADGER RECORDALL #100 SERIES 1" TURBINE OR TURBO STYLE WATER METER - WATER METER PERFORMANCE MUST MEET GPM AT 40 PSI (CONTRACTOR TO ASSUME ALL COSTS ASSOCIATED WITH INSTALLING THE WATER METER INCLUDING UTILITY EXPANSION CHARGES)
- F — MASTER METER #WT SERIES EPOXY COATED 1" FLOW METER WITH ELECTRICAL OUTPUT REGISTER - 1 PULSE = 1 GALLON
- C — MOTOROLA IRRIGATION CONTROLLER: IRRINET-M 12 STATION SATELLITE WITH COA RADIO COMMUNICATION AND STATION SWITCHES, INSTALLED IN INTERSPEC ENCLOSURE (CONTRACTOR TO PROVIDE ELECTRICAL POWER TO CONTROLLER)
- LATERAL PIPE - SCH.40 PVC SOLVENT WELD 1" UNLESS NOTED
- MAINLINE PIPE - 2" SCH.40 PVC SOLVENT WELD
- SLEEVE PIPE - CLASS 200 PVC SOLVENT WELD (TWO SIZES LARGER THAN PIPE TO BE SLEEVED)



1 WATER PRESSURE:

THE WATER PRESSURE AT THIS SITE HAS BEEN REPORTED TO BE 40 PSI. THE CONTRACTOR SHALL VERIFY THE DESIGN CRITERIA OF THIS SYSTEM BY COMPLETING A FLOW / PRESSURE TEST PRIOR TO THE INSTALLATION OF ANY IRRIGATION COMPONENTS. THE CONTRACTOR SHALL INSTALL A FLOW METER AND WATER PRESSURE GAUGE ON THE DOWNSTREAM SIDE OF THE WATER METER. THE CONTRACTOR SHALL MEASURE THE DYNAMIC WATER PRESSURE AT THE FLOW NOTED BELOW, AND REPORT HIS FINDINGS IN WRITING TO THE IRRIGATION CONSULTANT. THE CONTRACTOR SHALL RECEIVE A NOTICE TO PROCEED, IN WRITING FROM THE IRRIGATION CONSULTANT UPON ACCEPTABLE CONDITIONS. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY DESIGN CHANGES AND/OR ADDITIONAL WORK IF HE DOES NOT POSSESS A NOTICE TO PROCEED FROM THE CONSULTANT. DESIGN FLOW / PRESSURE CRITERIA: 36 PSI (DYNAMIC) @ 18 GPM (AFTER 1" METER)

2. BOOSTER PUMP:

THIS IRRIGATION SYSTEM WILL REQUIRE AN IRRIGATION BOOSTER PUMP
BOOSTER PUMP: GRUNDFOS CRE 3-6 HP PH 208-230V WITH HOT BOX ENCLOSURE ; SEE PUMP DETAIL PAGE
EXPECTED CITY WATER PRESSUREIS 40 PSI @18GPM
VENDOR INFO; TP PUMP 1824 2ND ST NW, ALBUUERUE, NM 87102 ATTN TONY GRANGER 505-247-4036

3. PROXIMITY TO IRRIGATION EQUIPMENT:

THE CONTRACTOR SHALL REARRANGE OR MOVE THE LOCATIONS OF ANY PLANTINGS THAT MAY IMPEADE THE PROPER SERVICING OF IRRIGATION RELATED COMPONENTS. THE BOOSTER PUMP, BACKFLOW PREVENTER AND ALL VALVES SHALL HAVE A 36" MINIMUM CLEARANCE ON ALL SIDES.

4. SPRINKLER STAKING:

THE SPRINKLER LOCATIONS SHALL BE PRECISELY LOCATED BY THE USE OF SURVEY GRADE GPS EQUIPMENT OR CONVENTIONAL SURVEY METHODS. THE FINAL STAKED SPRINKLER LOCATIONS SHALL BE BASED ON AS-BUILT SURVEY DATA OF THE HARDSCAPE SURROUNDING THE TURF AREAS. THE IRRIGATION CONSULTANT SHALL GPS SURVEY AND STAKE THE LOCATIONS OF THE ROTARY SPRINKLERS. THE COSTS OF THESE SERVICES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

OR

THE CONTRACTOR SHALL HIRE HIS OWN SURVEY FIRM TO PROVIDE AS-BUILT SURVEY DATA OF THE HARDSCAPE AREAS SURROUNDING THE TURF AREAS IN DIGITAL AUTOCAD FORMAT. THE DATA SHALL THEN BE FORWARDED TO THE IRRIGATION CONSULTANT, WHO WILL ADJUST SPRINKLER LOCATIONS ACCORDINGLY BASED ON THIS DATA. THE IRRIGATION CONSULTANT SHALL PROVIDE THE COORDINATE DATA OF EACH SPRINKLER LOCATION TO THE CONTRACTOR'S SURVEY FIRM TO FIELD LOCATE. THE COSTS OF THESE SERVICES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

5. CERTIFIED LANDSCAPE IRRIGATION AUDIT:

PRIOR TO THE INSTALLATION OF SOD, SEED, TREES OR OTHER PLANT MATERIAL, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A CERTIFIED LANDSCAPE WATER AUDIT TO DETERMINE THE DISTRIBUTION UNIFORMITY FOR ALL TURFGRASS AREAS. NO PLANT MATERIALS SHALL BE INSTALLED IN TURFGRASS ARE AS UNTIL DISTRIBUTION UNIFORMITY RESULTS HAVE BEEN ACCEPTED BY THE CITY.
AUDIT PREPARATION: THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSURING THAT THE SPRINKLER IRRIGATION SYSTEM IS IN FULL WORKING ORDER PRIOR TO AUDIT.
THERE SHALL BE NO CLOGGED OR MISSING NOZZLES, NON-ROTATING SPRINKLERS MUST BE REPLACED OR REPAIRED, ALL DEBRIS OR DIRT PILES MUST BE REMOVED OR LEVELED AND EACH SPRINKLER MUST BE PROPERLY SET AND LEVELED. THE CONTRACTOR SHALL ALSO SET ALL PRESSURE REGULATION DEVICES OR VALVE FLOW (IF APPLICABLE) TO THE DISCHARGE PRESSURE INDICATED ON PLAN.

6. SPECIFICATIONS AND DETAIL DRAWINGS:

THE CONTRACTOR SHALL REFER TO THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS AND DETAIL DRAWINGS FOR IRRIGATION CONSTRUCTION. IN THE EVENT OF A CONFLICT BETWEEN SPECIFICATIONS AND IRRIGATION DESIGNf THE CONTRACTOR SHALL NOTIFY THE IRRIGATION CONSULTANT IN WRITING. THE CONTRACTOR SHALL NOT PROCEED WITH NOT PROCEED WITH INSTALLATION OF CONFLICTING IRRIGATION COMPONENTS UNTIL HE RECEIVES CLARIFICATION IN WRITING FROM THE CONSULTANT.

7. TREE / SHRUB LOCATIONS:

THE PIPE ROUTING SHOWN ON THESE PLANS IS SCHEMATIC. THE CONTRACTOR SHALL INSTALL ALL PIPING OUTSIDE OF THE ROOT ZONE OF TREES OR SHRUBS. THE SPRINKLER LOCATIONS SHOWN ON THESE PLANS ARE FIXED AND MUST BE FIELD LOCATED AS CLOSELY AS POSSIBLE TO LOCATIONS SHOWN ON PLANS TO MEET THE INTENDED DISTRIBUTION UNIFORMITY. THE CONTRACTOR SHALL FIELD ADJUST ANY TREE LOCATIONS THAT ARE SHOWN TO BE CLOSER THAN 12' FROM ANY SPRINKLER HEAD. IF SUBSTANTIAL TREE REARRANGEMENT IS REQUIRED, THE CONTRACTOR SHALL HAVE HIS PROPOSED LOCATIONS APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO PLANTING.

8. SPRINKLER NOZZLES:

THE CONTRACTOR SHALL ADJUST THE THROWING RADIUS OF ALL PERTINENT SPRINKLER NOZZLES SO AS TO MINIMIZE THE OVERSPRAY ONTO HARDSCAPE OR OTHER UNINTENDED AREAS. THE CONTRACTOR SHALL ALSO INCLUDE IN HIS BID OR PRICING, AN ALLOWANCE FOR ANY SPRINKLER NOZZLE CHANGES THAT ARE DEEMED NECESSARY BY THE LANDSCAPE ARCHITECT OR IRRIGATION CONSULTANT TO CORRECT ISSUES OF OVERSPRAY, UNDERSPRAY OR DISTRIBUTION UNIFORMITY.

9. MAINLINE FITTINGS:

THE CONTRACTOR SHALL USE TWO (2) 45 DEGREE ELBOWS FOR EACH 90 DEGREE MAINLINE BEND AS PER CITY OF ALBUQUERQUE'S REQUEST.

10. IRRIGATION SATELLITE:

FOR SCORPIO SATELLITES, THE CONTRACTOR SHALL HAVE A RADIO SIGNAL STRENGTH SURVEY PERFORMED TO VERIFY PROPER FORADIO COMMUNICATION FROM IRRINET CONTROLLER LOCATION TO PROPOSED SCORPIO CONTROLLER LOCATION, PRIOR TO THE INSTALLATION OF THE SCORPIO CONTROLLER. THE CONTRACTOR SHALL CONTACT: WATER RESOURCES, INC., (MARK MATHES) (505) 888-1388 FOR THIS SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE RADIO SIGNAL STRENGTH SURVEY.

11. INSTALLATION DETAILS:

CITY OF ALBUQUERQUE STANDARDS, SPECIFICATIONS AND DETAILS FOR IRRIGATION CONSTRUCTION ARE PART OF THESE DOCUMENTS AND SHALL BE STRICTLY ADHERED TO.

IRRIGATION PLAN BY

WATER ENGINEERING, INC
17897 W. 53RD DR.
GOLDEN, COLORADO 80403
(303) 618-6307
CONTACT: TOM CARROLL
CARROLLEMAIL@AOL.COM

GRAPHIC SCALE

20' 0 20'

SCALE: 1" = 20'

CITY OF ALBUQUERQUE

MONTECITO PARK @ MONTECITO ESTATES
IRRIGATION PLAN

DESIGN REVIEW COMMITTEE — APPROVED DEC 23 2008 DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL — APPROVED FEB 13 2009 CITY ENGINEER

LAST DESIGN UPDATE — MO./DAY/YR. — MO./DAY/YR.

CITY PROJECT NO. 763386 | ZONE MAP NO. D-9-Z | SHEET 9 of 12

NO.	DATE	REMARKS	BY
4	DATE	REMARKS	BY
3	DATE	REMARKS	BY
2	DATE	REMARKS	BY
1	DATE	REMARKS	BY

REVISIONS 12-9-08
IRRIGATIN DESIGN

DESIGNED BY TC DATE 11-18-08
DRAWN BY TC DATE 11-18-08
CHECKED BY NS DATE 11-18-08

100 % SUBMITTAL

ENGINEER'S SEAL — JAMES DE FLON 4007 REGISTERED LANDSCAPE ARCHITECT, STATE OF NEW MEXICO — 12-10-09

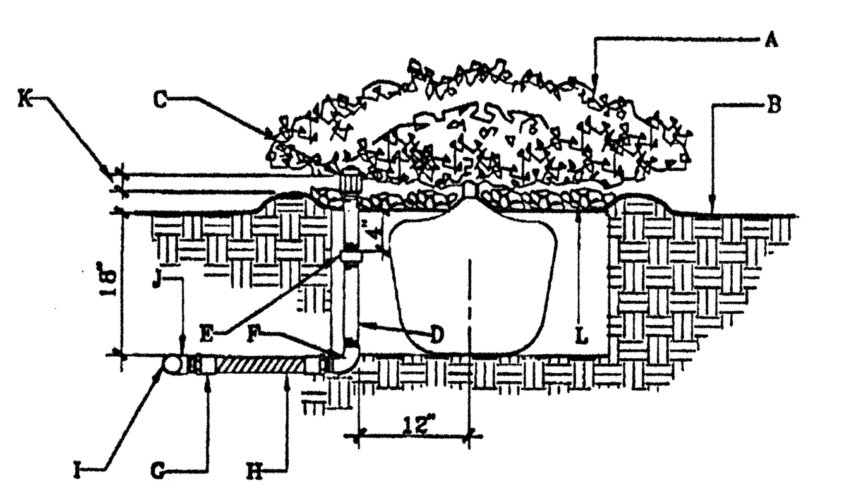
FIELD NOTES — NO. | BY | DATE

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.

CITY OF ALBUQUERQUE — LANDSCAPE IRRIGATION BUBBLER HEAD AT SHRUB — DWG. 2711 — NOV. 1990

REVISIONS 12/91



GENERAL NOTES:

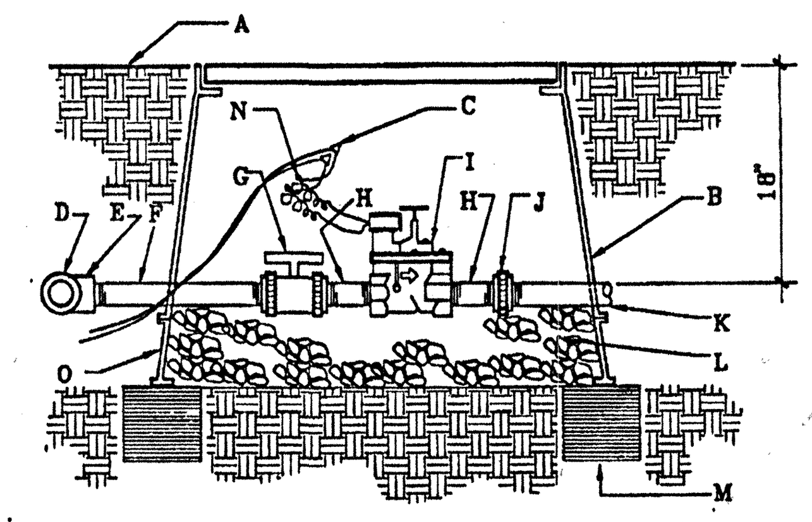
1. LATERAL LINE PRESSURE TESTING SHALL BE COMPLETED PRIOR TO INSTALLATION OF FLEX PIPE ASSEMBLY. LATERAL LINE TESTING SHALL BE ACCOMPLISHED BY INSTALLING A PLUG IN THE OUTLET OF LATERAL LINE TEES AND ELLS.
2. BUBBLER SHALL ALWAYS BE INSTALLED ON THE UPHILL SIDE OF THE SHRUB.

CONSTRUCTION NOTES:

A. SHRUB.
B. FINISH GRADE.
C. BUBBLER HEAD (REFERENCE IRRIGATION LEGEND).
D. SCH. 80 PVC NIPPLE.
E. SCH. 40 PVC THREADED COUPLER.
F. SCH. 40 PVC THREADED ELL.
G. SCH. 40 PVC MIP ADAPTER.
H. PVC FLEXIBLE VINYL PIPE STD. IPS FROM AGRICULTURAL PRODUCTS INC. (818-768-3303).
I. LATERAL PIPE.
J. SCH. 40 PVC SXSXT TEE OR SXT ELL.
K. TOP OF BUBBLER LEVEL WITH TOP OF BARK MULCH OR MAX. 1" ABOVE TOP OF BARK MULCH.
L. 4" BARK MULCH.

CITY OF ALBUQUERQUE — LANDSCAPE IRRIGATION ELECTRIC VALVE — DWG. 2703 — NOV. 1990

REVISIONS 12/91



GENERAL NOTES:

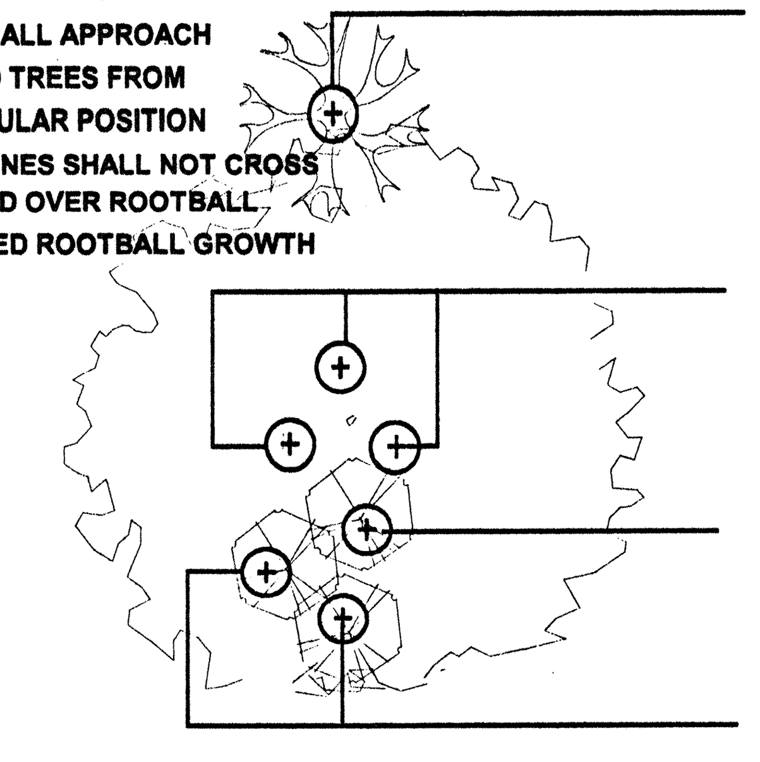
1. INSTALL AN 8"X8"X16" SOLID CMU BLOCK AT EACH END OF THE VALVE BOX.
2. WASH ROCK SHALL BE INSTALLED FLUSH WITH BOTTOM OF PIPE AND VALVE.

CONSTRUCTION NOTES:

A. FINISH GRADE.
B. BROOKS PRODUCTS INC., 1730 PB-18 BODY (ABS) VALVE BOX WITH 1730 BOLT DOWN COVER (ABS) AND ONE 8" EXTENSION.
C. 3M SCOTCHLOK CONNECTORS.
D. IRRIGATION MAINLINE.
E. IRRIGATION MAINLINE SERVICE TEE OR ELL.
F. SCHEDULE 80 PVC 12" NIPPLE.
G. SPEARS TRUE UNION SCHEDULED 80 PVC BALL VALVE.
H. SCHEDULE 80 PVC 4" NIPPLE.
I. ELECTRIC VALVE. REFERENCE THE DRAWING FOR SIZE.
J. SPEARS SCHEDULE 80 PVC UNION.
K. LATERAL LINE.
L. 1" DIAMETER WASHED ROCK.
M. 8"X8"X16" SOLID CMU BLOCK.
N. 24" WIRE EXPANSION COIL.

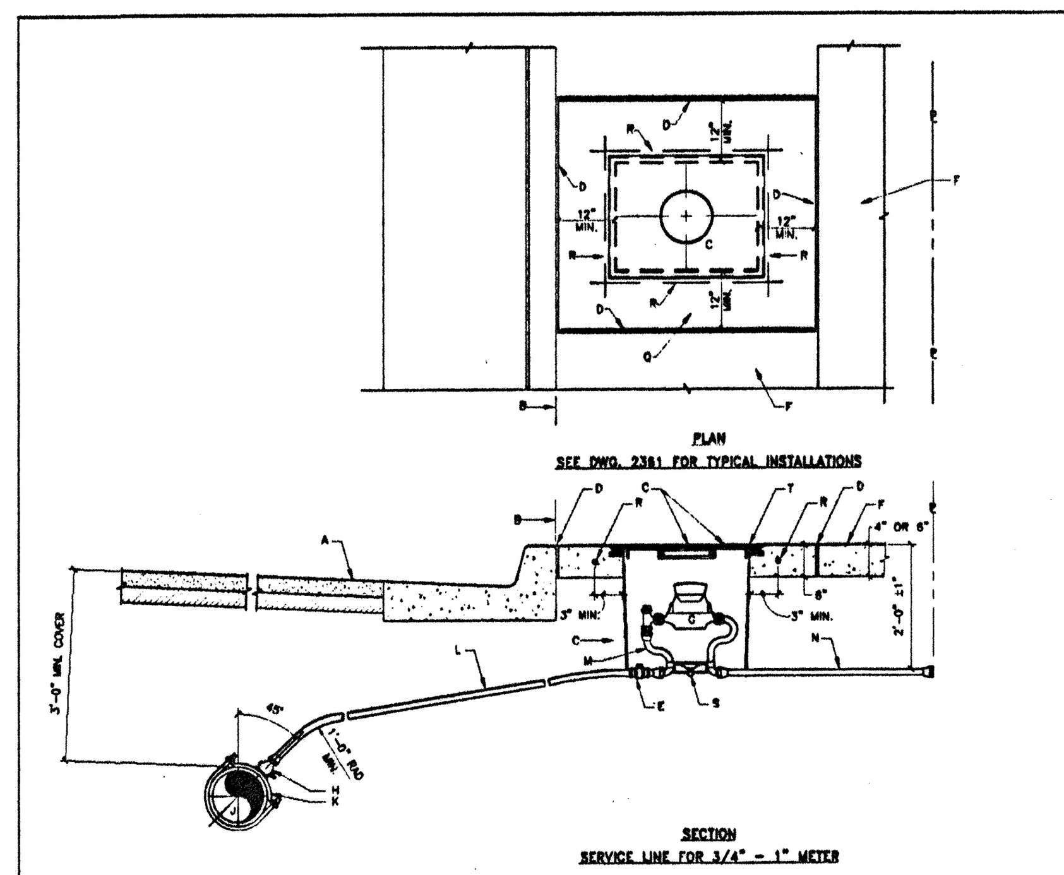
BUBBLER PLACEMENT DETAIL

BUBBLERS SHALL APPROACH SHRUBS AND TREES FROM A PERPENDICULAR POSITION IRRIGATION LINES SHALL NOT CROSS OR BE PLACED OVER ROOTBALL OR ANTICIPATED ROOTBALL GROWTH



BUBBLER PLACEMENT DETAIL

CITY OF ALBUQUERQUE — WATER — 3/4" - 1" METERED SERVICE LINE INSTALLATION — DWG. 2362 — JANUARY 2003



GENERAL NOTES:

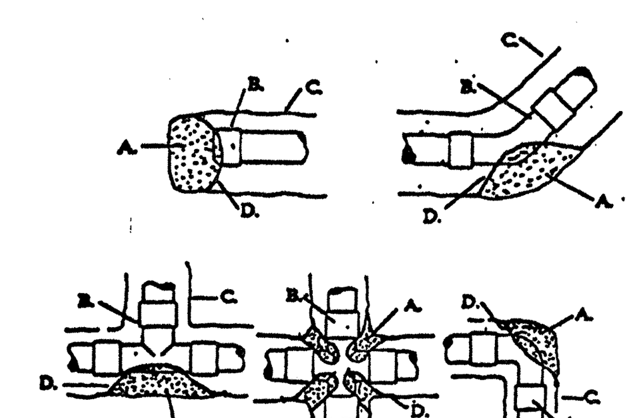
1 THE METER SHALL BE SET UTILIZING A COPPER-SETTER. COPPER-SETTER HEIGHT 10" FOR 1" METER. 7" FOR 3/4" METER.
2 THE VALVE AND METER REGISTER BOX SHALL BE LOCATED UNDER THE LID OPENING. WHERE TWO METERS ARE TO BE INSTALLED IN A SINGLE METER BOX, THE METER REGISTERS SHALL BE WITHIN READING RANGE OF THE LID OPENING.
3 METER BOX LOCATION TO CONFORM TO DWG. 2361.
4 WHEN CONTRACTOR DOES NOT INSTALL METER, CONTRACTOR SHALL PROVIDE REMOVABLE PLUGS FOR END OF COPPER-SETTER.
5 EXISTING CONCRETE TO BE SAWCUT.

CONSTRUCTION NOTES:

A STREET SURFACE.
B BACK OF CURB.
C CAST IRON METER BOX, COVER AND LID. SEE DWG. 2368 OR 2369.
D 1/2" EXPANSION JOINT.
E CURB STOP, LOCATE INSIDE METER BOX.
F SIDEWALK OR DRIVEPAD.
G METER. TOP OF METER TO BE 12"-18" BELOW COVER.
H CORP STOP.
J MAIN WATER LINE.
K TAPPING SADDLE.
L COPPER SERVICE LINE.
M COPPER SETTER.
N TAILPIECE TO PROPERTY LINE WITH INSTA-TITE I.P.T. CAPPED FITTING. DOUBLE CHECK VALVE SHALL BE INSTALLED IN WATER ZONES 0W, 1W, & 1E.
Q CONCRETE PAD REQUIRED IN ALL AREAS PER SEC. 101 EXTERIOR CONCRETE, f'c=3500 psi @ 28 DAYS.
R #4 REBAR CONTINUOUS ALL AROUND METER BOX.
S STABILIZER BAR, USE FOR SINGLE METER ONLY. 12" LONG x 1/2" DIA. GALV. STEEL PIPE.
T METER BOX LID SHALL BE FLUSH WITH SURROUNDING SIDEWALK.

CITY OF ALBUQUERQUE — LANDSCAPE IRRIGATION THRUST BLOCKS — DWG. 2704 — NOV. 1990

REVISIONS 2/92



GENERAL NOTES

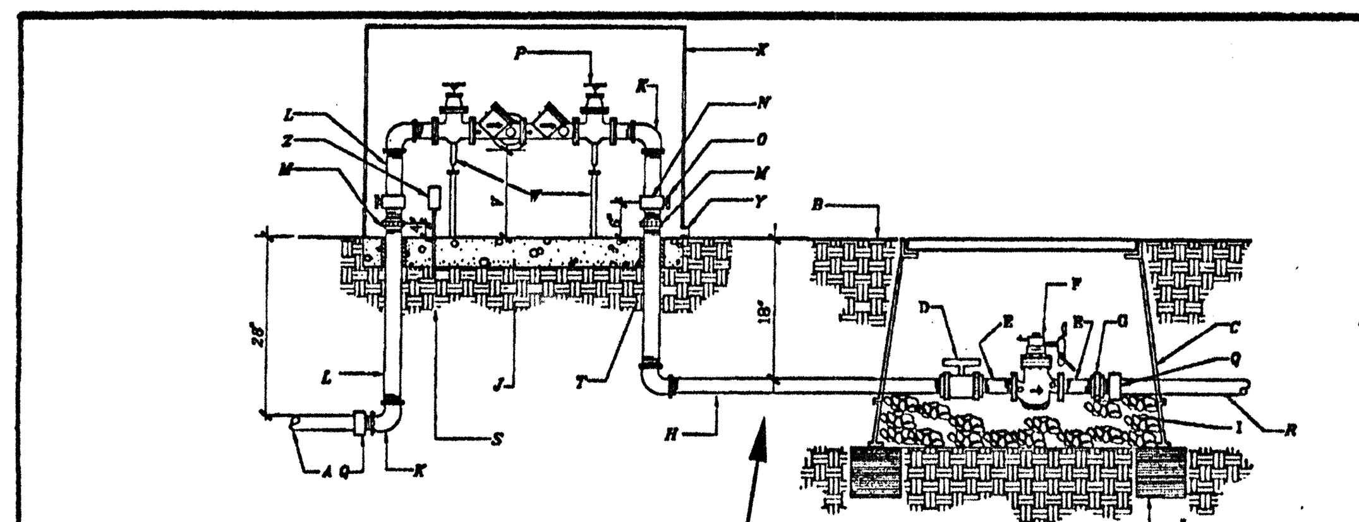
1. PVC FITTINGS SHALL BE PROTECTED FROM CONCRETE BY PLACING 10 MIL. PLASTIC SHEETING BETWEEN CONCRETE AND FITTING.

CONSTRUCTION NOTES

A. CONCRETE THRUST BLOCK PLACED AGAINST SOLID UNDISTURBED SOIL. (SEE SECTION 101).
B. PVC FITTING.
C. PIPE TRENCH.
D. 10 MIL. PLASTIC SHEETING.

CITY OF ALBUQUERQUE — LANDSCAPE BERMAD FLOWMETER MASTERVALVE W/ RPBA — DWG. 2701-A — NOV. 1990

REVISIONS 12/92



GENERAL NOTES:

1. HORIZONTAL RPBA INSTALLATION REQ'D..
2. ABOVE GRADE RPBA INSTALLATION REQ'D..
3. WATER LINE PRESSURE AND TEMP. MUST NOT EXCEED RATED CAPACITY OF RPBA.
4. PROTECT FROM FREEZING WITH POSITIVE HEAT SOURCE AND INSULATION.
5. MIN. RPBA SIZE MUST BE THE BLDG. SERVICE LINE SIZE.
6. DO NOT INSTALL IN FLOOD PRONE AREAS.
7. INSTALL WATER HAMMER ARRESTORS & THERMO EXPANSION PROTECTION AS NECESSARY.
8. METALLIC RISER PIPING REQ'D.
9. JOINTS TO BE ADEQUATELY RESTRAINED.
10. DEVIATION FROM THESE SPECIFICATIONS MUST HAVE PRIOR WRITTEN APPROVAL FROM THE ADMINISTRATIVE AUTHORITY.
11. CONCRETE MOW STRIP SHALL BE INSTALLED AROUND THE ENTIRE PERIMETER OF THE MASTERVALVE AND RPBA ASSEMBLY. MOWSTRIP SHALL BE A MIN OF 12" FROM PIPING AND VALVE BOX. (OPTIONAL, DEPENDING ON APPLICATION).

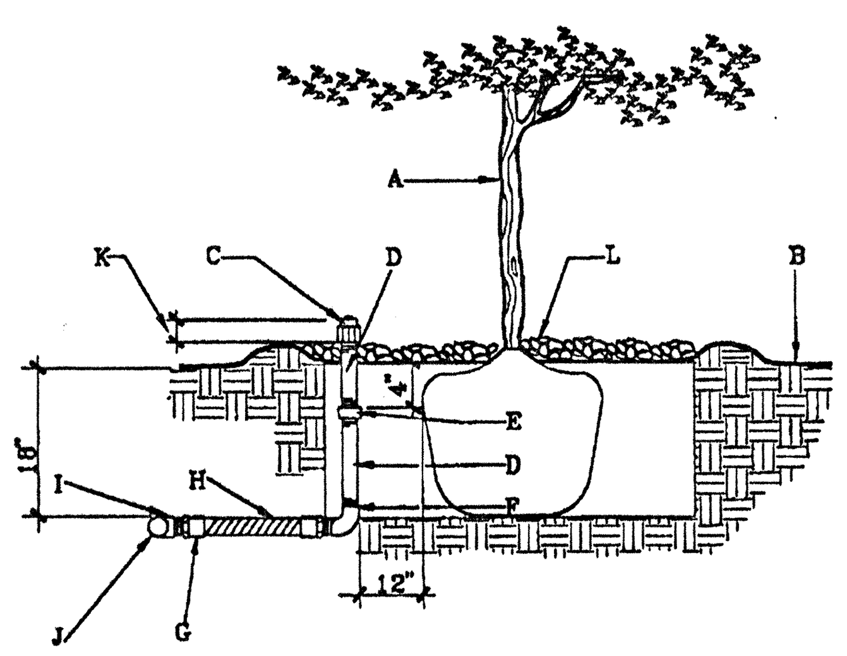
CONSTRUCTION NOTES:

A. SERVICE LINE TO WATER METER, NO OUTLETS ALLOWED.
B. FINISH GRADE, MATERIAL VARIES REFERENCE PLANS.
C. BROOK PRODUCTS INC., 1730 PB-18 BODY (ABS) VALVE BOX W/ BOLT DOWN COVER (ABS) AND ONE 8" EXTENSION.
D. SPEARS TRUE UNION SCHEDULE 80 PVC BALL VALVE.
E. SCHEDULE 80 PVC 4" NIPPLE.
F. BERMAD FLOWMETER. REFERENCE IRRIGATION LEGEND FOR SIZE.
G. SPEARS SCHEDULE 80 PVC UNION.
H. SCHEDULE 80 PVC NIPPLE 3' MIN..
I. 1" DIAMETER WASHED ROCK.
J. 8"X8"X16" SOLID CMU BLOCK.
K. GALVANIZED ELL.
L. GALVANIZED NIPPLE.
M. GALVANIZED UNION (MIN. 4" ABOVE GRADE).
N. GALVANIZED TEE.
O. BALL DRAIN, CHAMPION DV050 1/2".
P. RPBA BACKFLOW PREVENTER (REFERENCE DRAWINGS).
Q. PVC MIP ADAPTER.
R. NON CONSTANT PRESSURE IRRIGATION MAINLINE.
S. COMPACTED SUBGRADE.

BOOSTER PUMP SHALL BE PLACEDT BETWEEN THE BACKFLOW AND THE FLOWMETER
SEE PUMP DETAIL SHEET

CITY OF ALBUQUERQUE — LANDSCAPE IRRIGATION BUBBLER HEAD AT TREE — DWG. 2710 — NOV. 1990

REVISIONS 12/91



GENERAL NOTES:

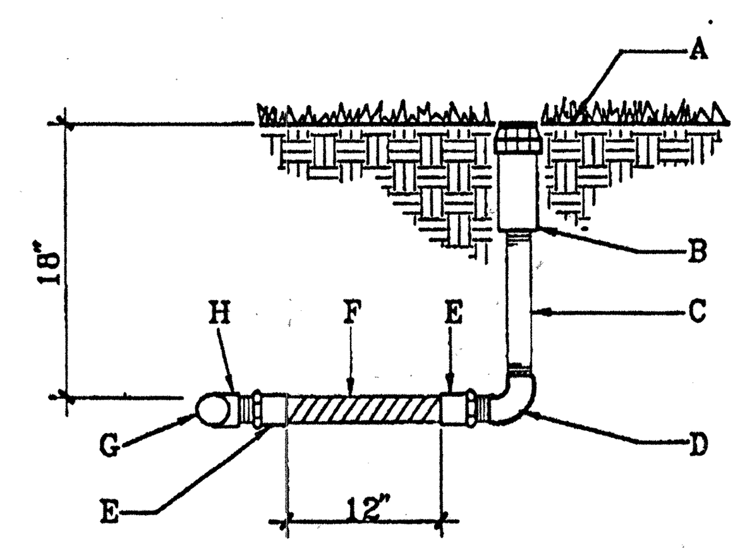
1. LATERAL LINE PRESSURE TESTING SHALL BE COMPLETED PRIOR TO INSTALLATION OF FLEX PIPE ASSEMBLY. LATERAL LINE TESTING SHALL BE ACCOMPLISHED BY INSTALLING A PLUG IN THE OUTLET OF LATERAL LINE TEES AND ELLS.
2. BUBBLER SHALL ALWAYS BE INSTALLED ON THE UPHILL SIDE OF THE TREE.

CONSTRUCTION NOTES:

A. TREE.
B. FINISH GRADE.
C. BUBBLER HEAD (REFERENCE IRRIGATION LEGEND).
D. SCH. 80 PVC NIPPLE.
E. SCH. 40 PVC THREADED COUPLER.
F. SCH. 40 PVC THREADED ELL.
G. SCH. 40 PVC MIP ADAPTER.
H. PVC FLEXIBLE VINYL PIPE, STD., IPS FROM AGRICULTURAL PRODUCTS INC. (818-768-3303).
I. SCH. 40 PVC SXSXT TEE OR SXT ELL.
J. LATERAL PIPE.
K. TOP OF BUBBLER LEVEL WITH TOP OF BARK MULCH OR MAX. 1" ABOVE TOP OF BARK MULCH.
L. 4" BARK MULCH.

CITY OF ALBUQUERQUE — LANDSCAPE SPRINKLER HEAD W/ FLEX PIPE ASSEMBLY — DWG. 2709 — NOV. 1990

REVISIONS



GENERAL NOTES:

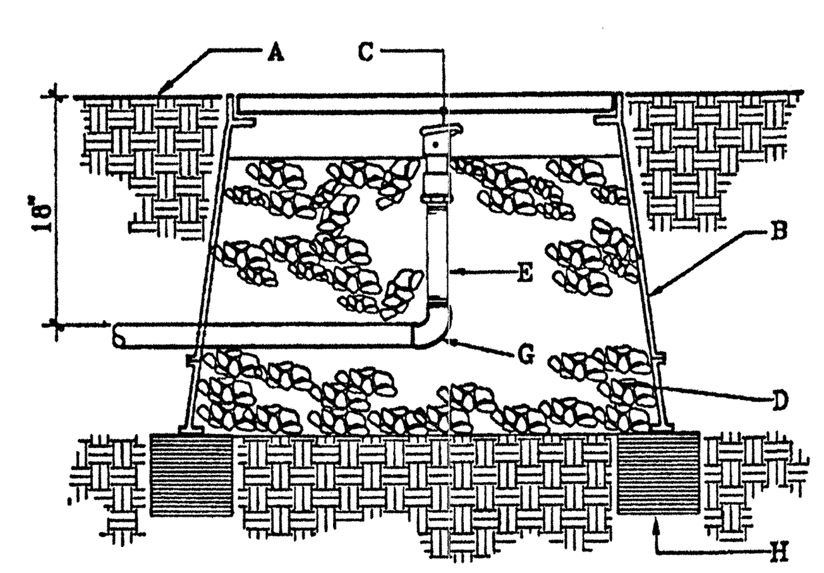
1. THIS DETAIL SHALL BE USED FOR POP-UP SHRUB SPRAY, POP-UP LAWN SPRAY, GEAR DRIVEN AND ROTARY SPRINKLER HEADS.
2. LATERAL LINE PRESSURE TESTING SHALL BE COMPLETED PRIOR TO INSTALLATION OF FLEX PIPE ASSEMBLY. LATERAL LINE TESTING SHALL BE ACCOMPLISHED BY INSTALLING A PLUG IN THE OUTLET OF LATERAL LINE TEES AND ELLS.
3. TOP OF SPRINKLER HEAD SHALL BE SET FLUSH WITH FINISH GRADE.

CONSTRUCTION NOTES:

A. FINISH GRADE.
B. SPRINKLER HEAD (REFERENCE THE DRAWINGS FOR TYPE).
C. SCH. 80 PVC NIPPLE. LENGTH VARIES DEPENDING UPON SIZE OF SPRINKLER HEAD.
D. SCH. 40 PVC THREADED ELL.
E. SCH. 40 PVC MIP ADAPTER.
F. PVC FLEXIBLE VINYL PIPE STD. IPS FROM AGRICULTURAL PRODUCTS INC. (818-768-3303).
G. LATERAL PIPE.
H. SCH. 40 PVC SXSXT TEE OR SXT ELL.

CITY OF ALBUQUERQUE — LANDSCAPE QUICK COUPLER VALVE — DWG. 2708 — NOV. 1990

REVISIONS



GENERAL NOTES:

1. INSTALL AN 8"X8"X16" SOLID CMU BLOCK AT EACH CORNER OF THE VALVE BOX.
2. INSTALL 1" DIAMETER WASHED ROCK BELOW THE VALVE BOX. EXTEND WASHED ROCK UP TO COLLAR OF QUICK COUPLER VALVE.
3. INSTALL A GATE VALVE IMMEDIATELY UPSTREAM OF QUICK COUPLER VALVE.

CONSTRUCTION NOTES:

A. FINISH GRADE.
B. BROOKS PRODUCTS INC., 1730 PB-18 BODY (ABS) VALVE BOX WITH 1730 BOLT DOWN COVER (ABS) AND ONE 8" EXTENSION. WHEN QUICK COUPLER VALVE IS INSTALLED IN PLAYING FIELD USE 4" PIPE WITH PLASTIC LID.
C. RAINBIRD 33 DRC QUICK COUPLER VALVE.
D. 1" DIAMETER WASHED ROCK.
E. 12" SCH. 80 PVC RISER.
F. IRRIGATION MAINLINE.
G. SCHEDULE 40 PVC ELL SXT.
H. 8"X8"X16" SOLID CMU BLOCK.

IRRIGATION PLAN BY

WATER ENGINEERING, INC
17897 W. 53RD DR.
GOLDEN, COLORADO 80403
(303) 618-6307
CONTACT: TOM CARROLL
CARROLLEMAIL@AOL.COM

EPA WaterSense PARTNER

CONTRACTOR	DATE
WORK STAKED BY	DATE
INSPECTOR'S ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE
RECORDED BY	DATE
NO.	

FIELD NOTES

NO.	BY	DATE

JAMES DE FLON 0007 REGISTERED LANDSCAPE ARCHITECT — STATE OF NEW MEXICO

11-24-10

NO.	DATE	REMARKS	BY
1			
2			
3			
4			

IRRIGATIN DESIGN		
DESIGNED BY	TC	DATE
DRAWN BY	TC	DATE
CHECKED BY	NS	DATE

CITY OF ALBUQUERQUE

MONTECITO PARK @ MONTECITO ESTATES
IRRIGATION DETAILS

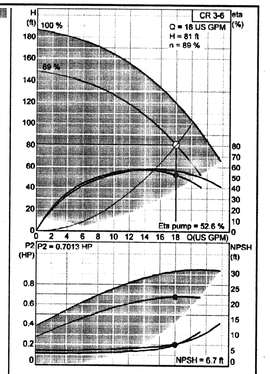
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED DEC 23 2008 DESIGN REVIEW COMMITTEE	APPROVED FEB 13 2009 CITY ENGINEER		

LAST DESIGN UPDATE

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
763386	D-9-Z	10	12

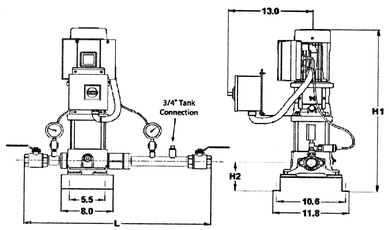
100% SUBMITTAL

Description	Value
Product name:	CR 3-6 A-FGJ-A-E HQQE
Product No:	96083207
EAN number:	5700395183757
Technical:	
Speed for pump data:	3450 rpm
Rated flow:	15.85 US GPM
Rated head:	134 ft
Impellers:	6
Shaft seal:	HQQE
Approvals on nameplate:	ANSI/NSF61
Curve tolerance:	ISO 9906 Annex A
Stages:	6
Pump version:	A
Model:	A
Cooling:	TEFC
Materials:	
Pump housing:	Cast iron EN-JL1030 DIN W.-Nr. 25 B ASTM Stainless steel 1.4301 DIN W.-Nr. 304 AISI
Impeller:	
Material code:	A
Code for rubber:	E
Installation:	
Maximum ambient temperature:	104 °F
Max pressure at stated temp:	363 / 250 psi / °F 363 / -4 psi / °F
Flange standard:	ANSI
Connect code:	FGJ
Pipe connection:	1 1/4"
Pressure stage:	Class 300
Flange size for motor:	56C
Liquid:	
Liquid temperature range:	-4 .. 246 °F
Electrical data:	
Motor type:	3524L
Number of poles:	2
Rated power - P2:	1 HP
Power (P2) required by pump:	1 HP
Mains frequency:	60 Hz
Rated voltage:	1 x 115 / 208-230 V
Rated current:	12 / 6 A
Rated speed:	3450 rpm
Insulation class (IEC 85):	B
Motor protec:	NONE
Motor No:	84204004
Others:	
Net weight:	61.1 lb
Gross weight:	66.6 lb
Shipping volume:	1.77 ft³



Technical Data

CRE-Plus CRE 1/3/5



Dimensions and Weights

Pump Type	HP	PH	Volts	H1 (in.)	H2 (in.)	L (in.)	Pipe Conn.	Ship Wt (lbs)
CRE 3-3	1/2	1	208-230	21.3	4.7	28.8	1 1/4"	190
CRE 3-4	3/4	1	208-230	22.0	4.7	28.8	1 1/4"	192
CRE 3-6	1	1	208-230	25.0	4.7	28.8	1 1/4"	198
	1	3	460	18.5	4.7	28.8	1 1/4"	216
CRE 3-9	1 1/2	1	208-230	27.1	4.7	28.8	1 1/4"	204
	1 1/2	3	460	35.6	4.7	28.8	1 1/4"	220
CRE 3-11	2	3	460	37.1	4.7	28.8	1 1/4"	225
CRE 3-15	3	3	460	41.4	4.7	28.8	1 1/4"	237
CRE 3-19	5	3	460	45.0	5.8	32.4	1 1/4"	256
CRE 3-25	5	3	460	58.6	5.8	32.4	1 1/4"	301
CRE 5-2	3/4	1	208-230	21.3	4.7	28.8	1 1/4"	191
CRE 5-3	1	1	208-230	24.0	4.7	28.8	1 1/4"	197
	1	3	460	32.5	4.7	28.8	1 1/4"	215
CRE 5-5	1 1/2	1	208-230	26.1	4.7	28.8	1 1/4"	203
	1 1/2	3	460	34.6	4.7	28.8	1 1/4"	219
CRE 5-7	2	3	460	36.8	4.7	28.8	1 1/4"	223
CRE 5-10	3	3	460	41.4	4.7	28.8	1 1/4"	227
CRE 5-13	5	3	460	48.4	4.7	28.8	1 1/4"	278
CRE 5-16	5	3	460	51.6	4.7	28.8	1 1/4"	282
CRE 5-20	7 1/2	3	460	57.3	5.8	32.4	1 1/4"	322
CRE 5-24	7 1/2	3	460	61.5	5.8	32.4	1 1/4"	329

Maximum Operating Pressure

CRE 3-3 to CRE 3-15:	232 psi (16 bar)
CRE 3-19 to CRE 3-25:	362 psi (25 bar)
CRE 5-2 to CRE 5-16:	232 psi (16 bar)
CRE 5-20 to CRE 5-24:	362 psi (25 bar)

Maximum Inlet Pressure
See CR, CRE Product Guide

Maximum Operating Temperature
176 °F (80 °C)

Consult Factory for higher temperatures.

Operating Pressure may be further limited by type of diaphragm tank intalled.

Approvals

c UL us LISTED

Construction

Item	Description/Material
CRE Pump	Standard Cast Iron/304 SS CR pump with MLE Motor
Isolation Valves	Full Port, Nickel Plated Brass
Check Valve	Spring Loaded, POM/316SS/NBR
Suc/Disch Piping	316SS Schedule 40
Pressure Transducer	4-20 mA Signal, 316SS
Pressure Gauges	Liquid Filled, SS/Brass
Pressure Switch	304SS; 3 psi fixed setpoint
Elec. Switch Box	NEMA 3R, Lockable in OFF position
Base	304SS
Conduit	Flexible, PVC Jacket

Related Documents

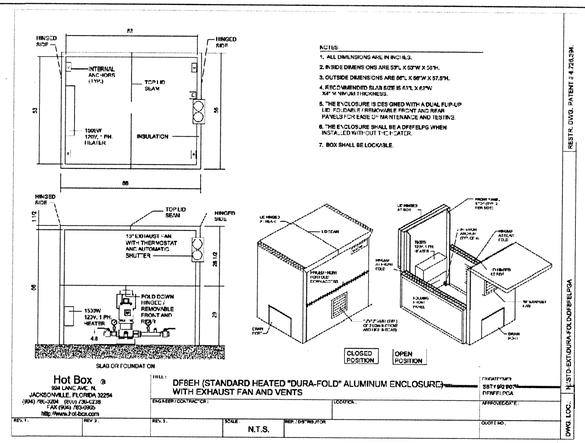
For performance curves, materials of construction and other information for CRE pumps see the CR, CRE Pump Product Guide.

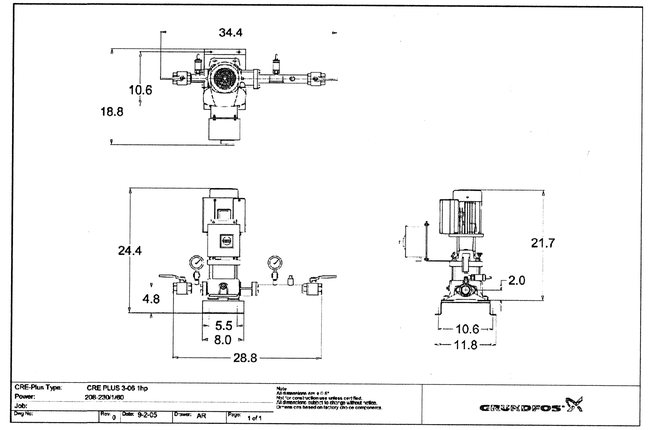
GRUNDFOS

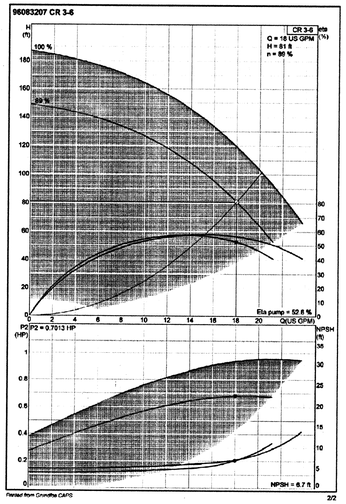
Symbol [ ] "Simplex Booster Pump"

1 GRUNDFOS 'CRE-Plus' Simplex Water Booster System
Model #CRE3-6P
To include the following:
-(1) #CRE3-6, Grundfos Vertically Mounted Centrifugal Pump 1HP-**230v/1/60**-3400RPM-TEFC/MLE Motor.
-(1) Simplex Pump Switch Box (lockable in OFF position), w/Pressure Transducer & Low Pressure Inlet Sensor.
-(*) Preplumbed 1.25" Suction/Discharge (stainless steel) Manifold, Fittings, Suction & Discharge Pressure Gauges, Instrumentation, Isolation Valves, & Non-Slam Check Valve.
-(1) #WX-102, Amtrol 'Well-X-Trol' Pressure Tank (field installed).
-(*) Skid mounted, pre-piped, pre-wired & pre-tested.

1 HOTBOX 'Dura-Fold' Aluminum Enclosure with Lock
Model #DF8FEH
Inside Dimensions: 53" L x 53" W x 56" H;
Outside Dimensions: 56" L x 56" W x 57.5" H.
Recommended Slab Size: 63" L x 63" W.
To include the following:
-(*) 18 ga. Aluminum Panels w/Dual Flip-Up Lids.
-(*) 1.5" Polyisocyanurate Insulation Foam.
-(1) 10" Exhaust Fan (120v/1/60).
-(2) 12" x 12" Fixed Vents w/Winterization Covers.
-(2) 10" W x 6.5" H Drain Ports.
-(1) 1500W Heater (**120v/1/60**).
-(*) Anchoring Kit (field installed).
-(1) Contractor Field Assembly, Installation and Electrical Connections required.







IRRIGATION PLAN BY

WATER ENGINEERING, INC
17897 W. 53RD DR.
GOLDEN, COLORADO 80403
(303) 618-6307
CONTACT: TOM CARROLL
CARROLLEMAIL@AOL.COM

EPA WaterSense PARTNER

AS BUILT INFORMATION

NO.	DATE	BY	FIELD NOTES

CONTRACTOR
VERIFIED BY DATE
STAMPED BY DATE
INSPECTORS
AS BUILT MARKS BY DATE
FIELD
OBSERVATION BY DATE
DRAWINGS
CORRECTED BY DATE

RECORDED BY DATE
NO.

ENGINEER'S SEAL

STATE OF NEW MEXICO
JAMES DE FLON
6007
REGISTERED LANDSCAPE ARCHITECT
12-10-08

NO.	DATE	REMARKS	BY
4			
3			
2		IRRIGATIN DESIGN	TC
1			

DESIGNED BY TC DATE
DRAWN BY TC DATE
CHECKED BY NS DATE

CITY OF ALBUQUERQUE

MONTECITO PARK @ MONTECITO ESTATES
IRRIGATION PUMP DETAILS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED DEC 23 2008 DESIGN REVIEW COMMITTEE	APPROVED FEB 13 2009 CITY ENGINEER			

CITY PROJECT NO. 763386
ZONE MAP NO. D-9-Z
SHEET 11 OF 12

60 % SUBMITTAL

City of Albuquerque
Martin J. Chavez, Mayor

Department of Municipal Development
John R. Castillo, Director

Final Acceptance Form

Date:
To: Dale Sokkary, Superintendent, Park Management, Parks & Recreation Department
From: John Casados, Construction Manager, Park Design and Construction, DMD

Subject: – PRD, Park Management Division Accepts Maintenance Responsibility

As of (date):

Project ID#:

Name of Facility: Montecito Estates

Address:

Park Zoning:

… is officially assigned to the Park Management Division, Parks & Recreation Department, City of Albuquerque for maintenance. Outlined below is a description of work completed:

☐ Developed ? Renovation

Detailed Park Summary Information:

Acres of Irrigated Turf:

Description of Project

Park property developed; property developed per blueprints and COA specifications.
1. Concrete sidewalks, mowstrips, poured and finished
2. New irrigation system ~~expanded to accommodate additions to park property.~~
3. ~~Installation of wrought iron fencing.~~
4. ~~Installation of ( ) stationary bollards painted yellow.~~
5. Installation of cyds of crusher fines.
6. Installation of sf of cool season sod.
7. Planted trees and shrubs.
8. Installation of tables and benches.

Effective date:

NO MORE CHARGES for new water, electric and gas

…will be accepted by the contractor: City of Albuquerque, Class II Crews

…are to occur against activity numbers: 7304060, 7385080

Water Meter Reading: N/A	Electric Meter Reading: N/A	Gas Meter Reading: N/A
Water Meter Number: N/A	Electric Meter Number: N/A	Gas Meter Number: N/A

Play Equipment Inspection and Audit Information:

Vendor:
Phone:
Inspector:
Inspection date:

Water Audit Information:
Requirement on ½ acre or more on turf.

Vendor:
Phone:
Inspector:
Inspection date:

Warranty and Vendor Information:
The following is a listing of all labor, vendors and product warranties pertaining to project:
During the first year all calls regarding warranty information will go to the contractor. After one year calls regarding warranty go directly to the vendor.

Contractor: City of Albuquerque, Class II Crews
Contact Name: John Casados
Phone: (505) 857-8664
Warranty: 1 yr.
One (1) year labor and installation
One (1) year growing season plant material
One (1) year irrigation/material

Vendor:
Phone:
Application:
Product:
Model#:
For a period of (time frame):
commencing on (starting date):
and ending on (ending date):

Vendor:
Phone:
Application:
Product:
Model#:
For a period of (time frame):
commencing on (starting date):
and ending on (ending date):

Vendor:
Phone:
Application:
Product:
Model#:
For a period of (time frame):
commencing on (starting date):
and ending on (ending date):

VENDOR AND WARRANTY INFORMATION WILL BE PROVIDED ON AS-BUILTS AS PRODUCTS HAVE NOT YET BEEN APPROVED (SIGNATURE SESSION PENDING) AND PRODUCTS HAVE NOT YET BEEN ORDERED.

Vendor:
Phone:
Application:
Product:
Model#:
For a period of (time frame):
commencing on (starting date):
and ending on (ending date):

Vendor:
Phone:
Application:
Product:
Model#:
For a period of (time frame):
commencing on (starting date):
and ending on (ending date):

Project Name:

Amenities	Total Existing	# Removed	#Added	Current Total
Backstops	—		—	
Baseball Fields (Lit)	—		—	
Basketball Courts (Full)	—		—	
Basketball Courts (Half)	—		—	
BBQ Grills	—		—	
Drinking Fountains	—		—	
Exercise Stations	—		—	
Fencing/Tubular	—		—	
Chain Link Fencing	—		—	
Modular Skate Facility	—		—	
Mutt Mitt Box	—		—	
Parking Spaces	—		6	
Parking Spaces (ADA)	—		1	
Pedestrian Bridge	—		—	
Picnic Tables	—		2	
Play Areas	—		1	
Play Structures (2 to 5 yrs)	—		—	
Play Structures (2 to 12 yrs)	—		1	
Pools (Indoor)	—		—	
Pools (Outdoor)	—		—	
Recreation Fields	—		1	
Shade Structures	—		3	
Skate Facilities	—		—	
Softball Fields (Lit)	—		—	
Softball Fields (Unlit)	—		—	
Tennis Courts (Lit)	—		—	
Tennis Courts (Unlit)	—		—	
Trash Receptacles	—		2	
Turf Acres	—		—	
Visitors Center	—		—	
Volleyball Courts	—		—	
Walking Paths(LF)	—		—	
Youth Baseball Fields	—		—	

Other amenities added and/or removed (Please describe, note the number, and specify whether added or removed):

The DMD, Project Manager from Park Design and Construction Division for this Capital Project,

(project name)

☐ [redacted]

Vendor:
Phone:
Application:
Product:
Model#:
For a period of (time frame):
commencing on (starting date):
and ending on (ending date):

Vendor:
Phone:
Application:
Product:
Model#:
For a period of (time frame):
commencing on (starting date):
and ending on (ending date):

Vendor:
Phone:
Application:
Product:
Model#:
For a period of (time frame):
commencing on (starting date):
and ending on (ending date):

AS-BUILT INFORMATION
BENCH MARKS
SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

CONTRACTOR
INSPECTOR
STAKED BY
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWING CHECKED BY
CORRECTED BY DATE

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
STATE OF NEW MEXICO
JAMES DE FLON
0007
REGISTERED LANDSCAPE ARCHITECT
11-24-03

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

PARK
FINAL ACCEPTANCE FORMS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
For information only. Sheet to be replaced.				

CITY PROJECT NO. | ZONE MAP NO. | SHEET 12 of 12 OF