

JULY 26, 1996

CONSTRUCTION DOCUMENTS
CLASS II CONSTRUCTION

MARIPOSA BASIN PARK
PHASE III-A IMPROVEMENTS

INDEX OF DRAWINGS

TITLE

COVER SHEET

REMOVAL AND LAYOUT PLAN

ENLARGEMENT OF SITE PLAN

VICINITY MAP/DRAINAGE PLAN/CALCULATIONS

DRAINAGE PLAN

GRADING PLAN

IRRIGATION PLAN

IRRIGATION DETAILS

PLANTING PLAN

PLANTING DETAILS/PAVILION PLANS AND DETAILS

SITE DETAILS: BASKETBALL AND VOLLEYBALL COURTS

SITE DETAILS: FENCING, BENCH, HOMEPLATE

SITE DETAILS: EDGERS, MOW CURB, RAIL

SHEET NO.

CS-1 OF 13

2 OF 13

3 OF 13

4 OF 13

5 OF 13

6 OF 13

7 OF 13

8 OF 13

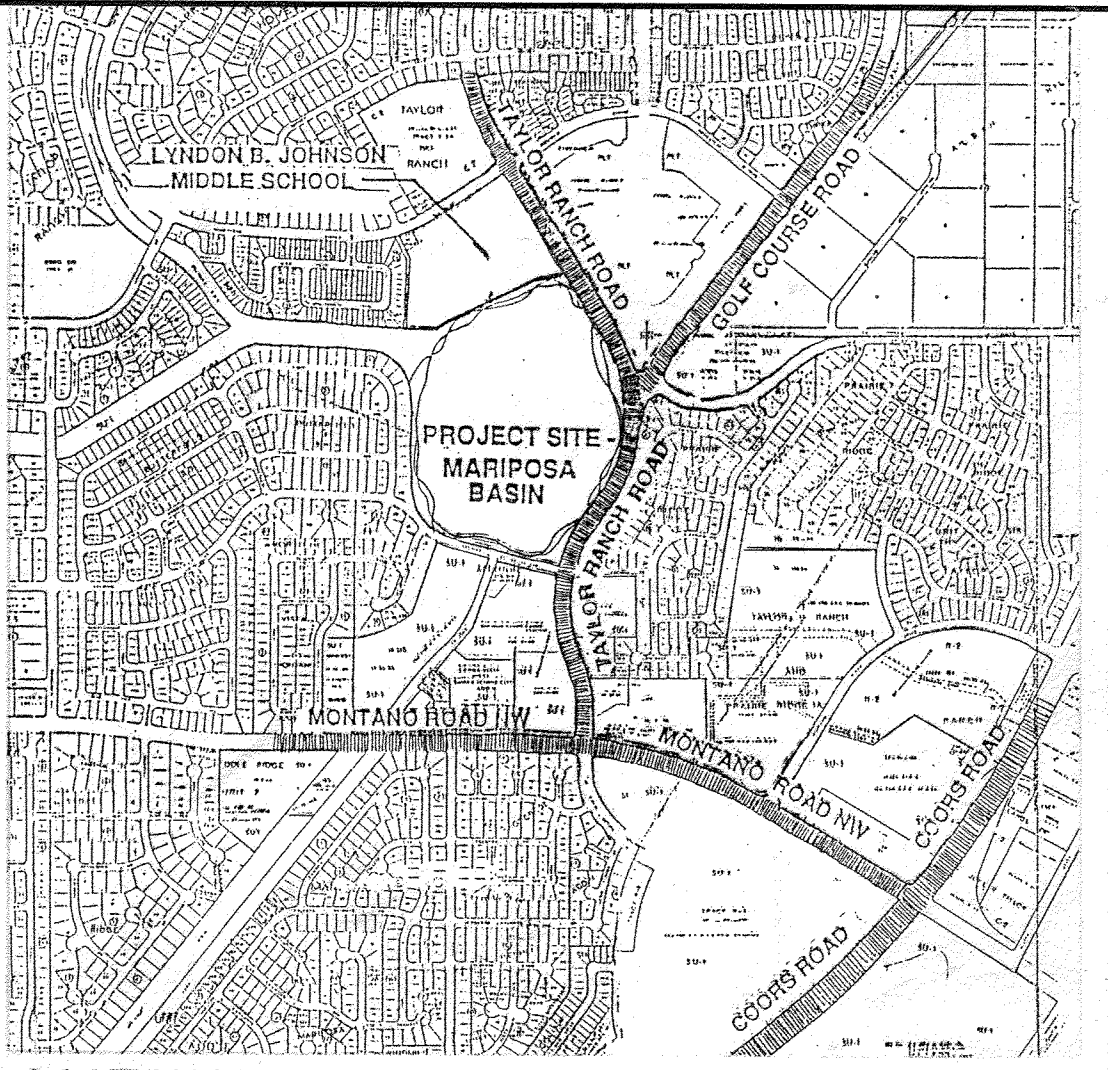
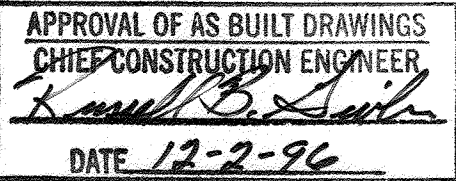
9 OF 13

10 OF 13

11 OF 13

12 OF 13

13 OF 13



LOCATION MAP D-11-Z, D-12-Z, E -11-Z, E-12-Z

- ALL WORK TO BE IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS, 1986 EDITION (AS UPDATED WITH REVISION #6), OR PER ATTACHED SPECIFICATIONS.
- THE WATER SYSTEMS DIVISION (857-8200) SHALL BE NOTIFIED (5) FIVE WORKING DAYS IN ADVANCE OF ANY WORK WHICH MAY AFFECT EXISTING PUBLIC WATER FACILITIES. THE CONTRACTOR SHALL ALSO COORDINATE FOR VALVE OPERATION FOR WATER SHUTOFF.
- (3) THREE WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. REFER TO SECTION 19 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS.
- (2) TWO WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. SEE SECTION 19 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS.
- ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED IN KIND BY CONTRACTOR TO LOCATION AND IN KIND AS EXISTING OR AS INDICATED BY THIS PLAN SET.
- THE CONTRACTOR SHALL CONTACT NEW MEXICO ONE CALL SYSTEM PHONE: 260-1990, TO LOCATE UNDERGROUND UTILITIES 2 WORK DAYS PRIOR TO BEGINNING EXCAVATION.
- THE CONTRACTOR SHALL CONTACT TRAFFIC ENGINEERING OPERATIONS 857-8680 FOR REMOVAL AND REPLACEMENT OF TRAFFIC SIGNS.
- THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES, UNLESS NOTED OTHERWISE. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- ALL EXISTING IMPROVEMENTS ARE TO REMAIN, UNLESS SPECIFICALLY NOTED TO BE REMOVED. CONTRACTOR SHALL REPAIR ANY CONTRACTOR-CAUSED DAMAGE, AS DETERMINED BY THE ENGINEER TO EXISTING IMPROVEMENTS TO THE SATISFACTION OF THE OWNER AT THE CONTRACTOR'S EXPENSE.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CHECK ALL DIMENSIONS, HORIZONTAL AND VERTICAL, AND SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION SO THAT CONFLICT CAN BE RESOLVED WITH THE MINIMUM AMOUNT OF DELAY.
- FOR PURPOSES OF THIS PROJECT THE TERM ENGINEER SHALL REFER TO EITHER THE OWNER'S EMPLOYEE OR THE LANDSCAPE ARCHITECT RESPONSIBLE FOR CONSTRUCTION INSPECTION OF THE PROJECT.
- ALL REFERENCES TO COMPACTED BACKFILL OR COMPACTED SUBGRADE SHALL MEAN SOIL COMPACTED TO 95% OF MAXIMUM DENSITY AS DETERMINED BY ASTM D-1557 UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK, IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY OF ALBUQUERQUE SURVEY SECTION. WHEN A CHANGE IS MADE IN THE FINISH ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO NEW GRADE, UNLESS OTHERWISE SPECIFIED.

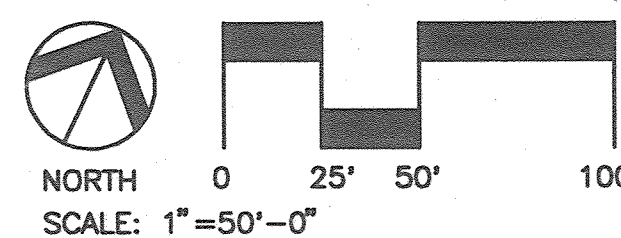
DESIGNWORKSHOP

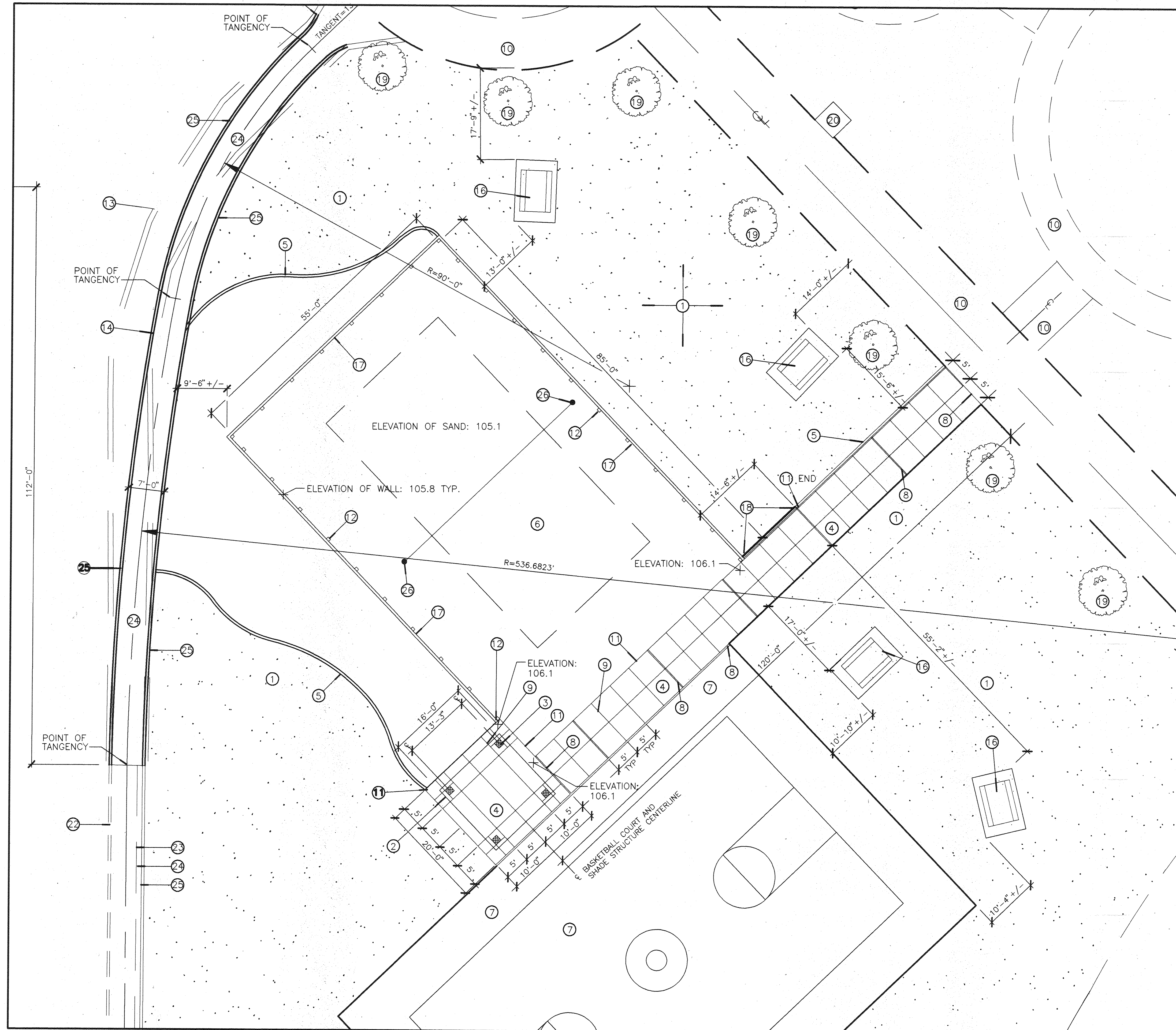
9621 4TH STREET NW
Albuquerque, NM
87114
(Tel.) 505.890.1815
(Fax) 505.890.1817

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-5073.91CS197

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
LANDSCAPE ARCHITECT'S SEAL		APPROVALS	ENGINEER	DATE	*****		
		DCR Chairman	<i>Billy G. Gentry</i>	8/16/96	APPROVED FOR CONSTRUCTION		
		Transportation	<i>R. Gentry</i>	8/16/96			
		Water/Wastewater	<i>R. Gentry</i>	8/16/96			
		Hydrology	<i>C. Gentry</i>	8-14-96			
		Parks					
		Constr. Mngmt.			<i>Billy G. Gentry</i> 8/16/96 City Engineer Date		
City Project Number		5073.91		Sheet		Of	
				CS-1		13	

SET NUMBER: _____





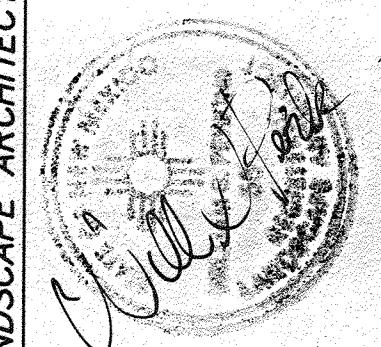
KEYED NOTES:

1. PARK TURFGRASS. SEE PLANTING PLAN.
2. OUTLINE OF SHADE STRUCTURE. ROOF 16' X 16'.
3. SHADE STRUCTURE POST TYPICAL 1 OF 4. SEE DETAIL 3, SHEET 10.
4. CONCRETE PAVING.
5. MOW CURB. SEE DETAIL 6, SHEET 13.
6. SAND VOLLEYBALL COURT. SEE DETAIL 1-3 SHEET 10.
7. BASKETBALL COURT. SEE DETAIL 4-7 SHEET 10.
8. EXPANSION JOINT. TYPICAL.
9. CONTROL JOINT. TYPICAL.
10. EXISTING WALK TO REMAIN.
11. TURN DOWN SLAB. SEE DETAIL 5, SHEET 13.
12. RECYCLED PLASTIC TIES TYPICAL 8' O.C. SEE DETAIL 3, SHEET 13.
13. EXISTING CONCRETE CURB AND ASPHALT PAVING. (SEE SHEET L-2)
14. ALIGNMENT OF NEW WALK. SAW CUT TO CLEAN EDGE.
15. EXISTING SHADE STRUCTURE.
16. PICNIC TABLE TYPICAL. SEE DETAIL 5, SHEET 12.
17. CURB MADE WITH RECYCLED TIES. SEE DETAIL 3, SHEET 11.
18. TOP OF MOW CURB TRANSITIONS FROM TOP OF CONCRETE PAVEMENT AT ONE END TO THE TOP OF RECYCLED TIES AT OTHER END.
19. EXISTING TREES TO REMAIN.
20. EXISTING DRINKING FOUNTAIN TO REMAIN.
21. EXISTING WALL TO REMAIN.
22. EXISTING MOW CURB TO REMAIN.
23. SAW CUT ASPHALT.
24. INSTALL ASPHALT PAVING.
25. INSTALL CONCRETE MOW CURB.
26. VOLLEYBALL NET POST. SEE DETAIL 2, SHEET 11.
27. PROPOSED PATH TO TIE INTO EXISTING PATH.

GENERAL NOTES

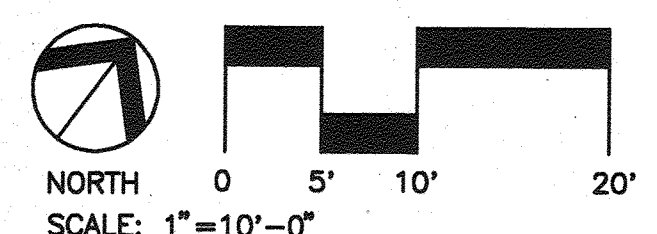
1. ALL VERTICAL SURFACES TO BE TREATED WITH APPROVED CITY OF ALBUQUERQUE ANTI-GRAFFITI MATERIAL.

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		LANDSCAPE ARCHITECT'S SEAL		REVISIONS	
CONTRACTOR	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.
WORKS BY	NO.	DATE	WORKS BY	NO.	DATE	WORKS BY	NO.	DATE	NO.
ACCEPTANCE BY	NO.	DATE	ACCEPTANCE BY	NO.	DATE	ACCEPTANCE BY	NO.	DATE	NO.
VERIFICATION BY	NO.	DATE	VERIFICATION BY	NO.	DATE	VERIFICATION BY	NO.	DATE	NO.
DRAWING NO.	NO.	DATE	DRAWING NO.	NO.	DATE	DRAWING NO.	NO.	DATE	NO.
RECORDED BY	NO.	DATE	RECORDED BY	NO.	DATE	RECORDED BY	NO.	DATE	NO.

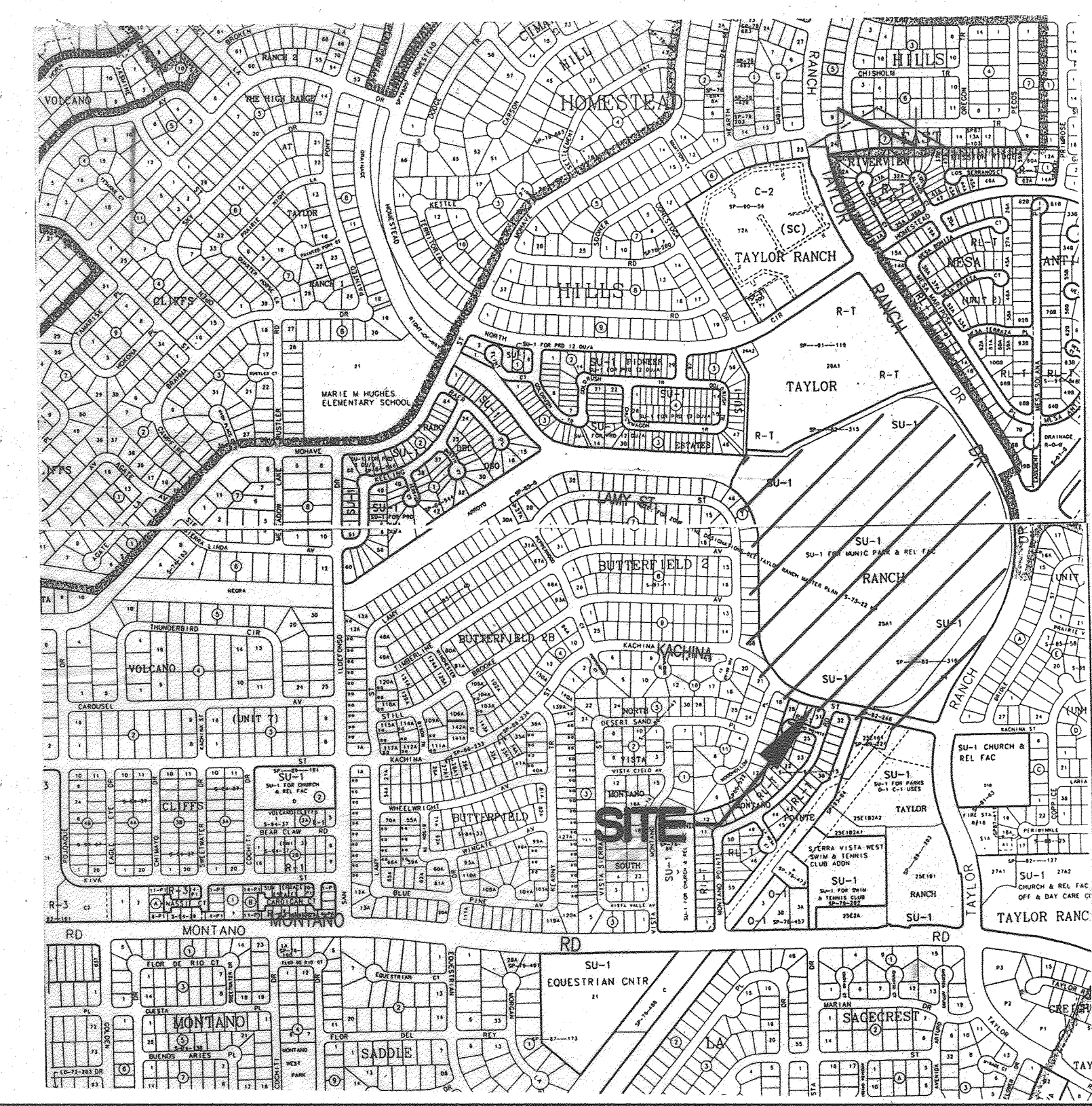


26-5073.91 0397

DESIGNWORKSHOP
9621 4TH STREET NW
Albuquerque, NM 87114
(Tel.) 505.890.1815
(Fax) 505.890.1817

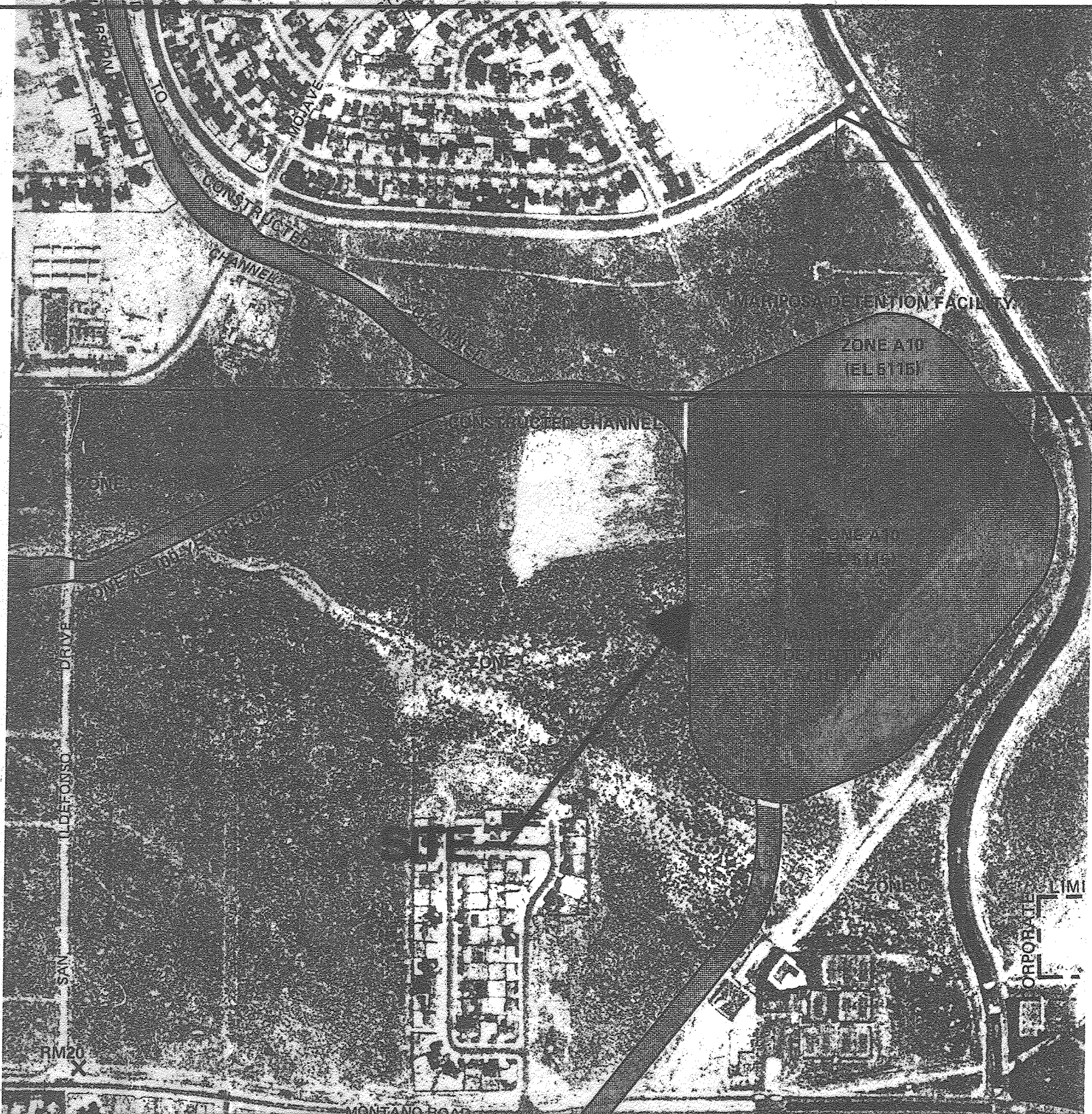


CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: MARIPOSA BASIN PHASE IIIA ENLARGED AREA			
Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED AUG 16 1995	APPROVED AUG 16 1995		
DESIGN REVIEW COMMITTEE	CITY ENGINEER	Last Design Update	
City Project No.	Zone Map No.	Sheet	Of
5073.91		3	13



VICINITY MAP
SCALE: 1" = 750'

D/E-11



F.I.R.M.
SCALE: 1" = 500'

PANELS 7 & 14 OF 50

DRAINAGE PLAN

The following items concerning the Mariposa Basin Phase III-A Drainage Plan are contained herein:

1. Vicinity Map
2. Flood Insurance Rate Map
3. Grading Plan
4. Drainage Plan

As shown by the Vicinity Map, the site is located west of Taylor Ranch Drive N.W., and north of Kachina Street N.W. The Mariposa Basin is a City flood control facility which detains stormwater runoff from the Mariposa and La Boca Negra Channels, and from neighboring residential developments. The Mariposa Basin contains an existing athletic and recreational complex designed to not adversely impact the flood control function of the Basin. The site is currently developed with several baseball and soccer fields, horseshoe courts, bicycle trails, gravel and dirt parking, and other recreational facilities. The proposed Phase III-A improvements are the construction of a T-Ball field, a basketball court, a sand volleyball court, and the relocation of a portion of an existing bicycle trail.

As shown by Panel 7 and 14 of 50 of National Flood Insurance Program Flood Insurance Rate Maps published by F.E.M.A. for the City of Albuquerque, New Mexico dated October 14, 1983, the entire site lies within a designated flood hazard zone associated with the Mariposa Basin Detention Facility. This zone is designated A10 with an elevation of 5115.

The Grading Plan shows: 1) existing grades indicated by spot elevations and contours at 1'0" intervals as shown on the Topographic Survey prepared by the City of Albuquerque dated April 21, 1984, supplemented by additional City of Albuquerque topography dated January 03, 1995. Supplemental spot elevations have also been provided by the Project Architect, 2) proposed grades indicated by spot elevations and contours at 1'0" intervals, 3) the limit and character of the existing improvements, 4) the limit and character of the proposed improvements, 5) the limit and character of the future improvements, and 6) continuity between existing and proposed grades. This Grading Plan was designed in accordance with the Phase II Grading and Drainage Plan prepared for the Mariposa Basin by Resource Technology, Inc. (RTI), dated July 14, 1994. The RTI Plan shows four drainage areas. Areas 1, 2 and 3 drain via surface flow to the existing detention pond located at the northwest corner of the site. These three areas and the detention pond are shown on the Drainage Plan (sheet 5) which identifies the existing and proposed drainage patterns for the site. The RTI Plan identifies a 3.2 acre area which contains the Phase III-A area and the existing horseshoe court area. The RTI Plan shows this 3.2 acre area surface draining to the east into a detention pond located within the existing gravel parking lot. The RTI Plan also shows two proposed volleyball courts and two proposed basketball courts, whereas this Phase III-A Plan calls for one basketball court, one volleyball court and one T-Ball field. Consequently, less impervious area will be introduced as part of Phase III-A than is shown on the Phase II Plan. Because of this, no overall drainage calculations will be performed for Phase III-A.

As shown on the Grading Plan, a portion of Phase III-A will drain into the sand volleyball court. This grading scheme is necessary to eliminate importing fill which would be required to surface drain this small portion of the site to the parking lot. It is undesirable to import fill as it would effectively reduce the overall capacity of the Detention Facility. The Volleyball Sub-basin Calculations demonstrate that this sub-basin can adequately contain its runoff and that there will be no standing water created by a 100-year, 10-day storm.

As shown on the Grading Plan, the Phase III-A area (with the exception of the area surrounding the volleyball court) will drain to the existing parking lot which drains to an existing single "D" inlet which outlets via 12" RCP storm drain to the existing detention pond located at the northwest corner of the Basin. This drainage pattern is consistent with the previously approved Phase II Plan. Flows from the basketball court area and the T-Ball area will be directed to a flowline located between the two facilities. This flowline will discharge into the existing parking lot through a proposed opening in the existing header curb.

As part of Phase III-A, a portion of the existing bicycle bath will be shifted to the east in order to provide a gentler slope on the west side of the path. Portions of the existing slope exceed a 4:1 ratio which is undesirable from a maintenance standpoint. This slope will be regraded from the existing toe to the top of the relocated bike path and is not to exceed a maximum slope of 4:1.

The proposed improvements are graded in conformance with previously approved plans for this site. The proposed improvements will not result in an increase in runoff not previously accounted for, therefore, no mitigative drainage improvements are required.

Volleyball Sub-basin Calculations

$$A_T = 14,425 \text{ sf}/0.33 \text{ ac}$$

$$A_A = 4,675 \text{ sf}/0.11 \text{ ac}$$

$$A_B = 8,650 \text{ sf}/0.20 \text{ ac}$$

$$A_D = 1,100 \text{ sf}/0.03 \text{ ac}$$

$$\text{Zone 1, } P_{360} = 2.20 \text{ in., } P_{10 \text{ Days}} = 3.67 \text{ in.}$$

$$E_w = [(0.44)(0.11) + (0.67)(0.20) + (1.97)(0.03)] / (0.34) = 0.71 \text{ in.}$$

$$V_{100} = (0.71/12)(14,425) = 850 \text{ cf}$$

$$V_{10 \text{ Days}} = 850 + [(3.67 - 2.20)/12](1,100) = 985 \text{ cf}$$

$$\text{Sand Depth} = 12"$$

$$\text{Sand Area} = 4,670 \text{ sf}$$

$$\text{Sand Volume} = 4,670 \text{ cf}$$

Assuming Void Ratio of 1:2, Available Capacity without Standing Water

$$V = (0.33)(4,670) = 1,541 \text{ cf}$$

Therefore, no standing water after 100-year, 10-day storm

CONSTRUCTION NOTES:

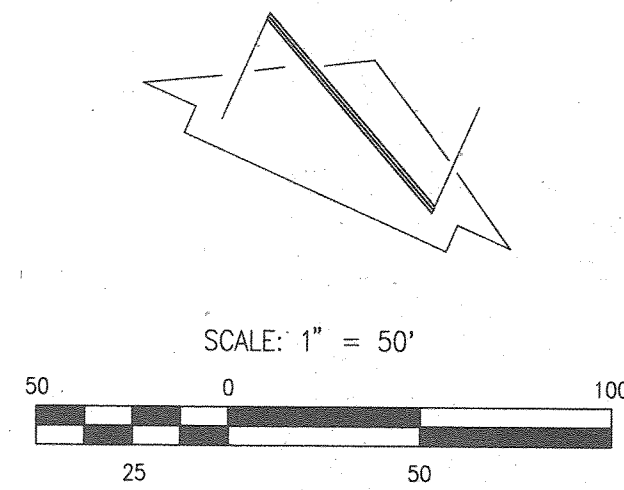
1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION - 1986, (UPDATE 6).
2. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM, 280-1990, (ALBUQUERQUE AREA), 1-800-321-ALERT (2537) (STATEWIDE), FOR LOCATION OF EXISTING UTILITIES.
3. IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE OWNER OF SAID UTILITY, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS CONDUCTED ONLY PRELIMINARY INVESTIGATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES. THIS INVESTIGATION IS NOT CONCLUSIVE, AND MAY NOT BE COMPLETE, THEREFORE, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFORE. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE, OR UNDERGROUND UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.
4. SHOULD A CONFLICT EXIST BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER IN WRITING SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY FOR ALL PARTIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL INTERPRETATIONS IT MAKES WITHOUT FIRST CONTACTING THE ENGINEER AS REQUIRED ABOVE.
5. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION.
6. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING SAFETY AND HEALTH.
7. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE PROPERTY.
8. THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET.
9. CONTRACTOR SHALL SECURE "TOPSOIL DISTURBANCE PERMIT" PRIOR TO BEGINNING CONSTRUCTION.
10. CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO ENSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE ENGINEER.
11. A DISPOSAL SITE FOR ALL EXCESS EXCAVATION MATERIAL (CONTAMINATED OR OTHERWISE), ASPHALTIC PAVING, CONCRETE PAVING, ETC. SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE REGULATIONS. ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE AND IN HAUL THERETO SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, THEREFORE, NO SEPARATE PAYMENT SHALL BE MADE.
12. A BORROW SITE FOR IMPORT MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE REGULATIONS. ALL COSTS INCURRED IN OBTAINING A BORROW SITE AND IN HAUL THERETO SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, THEREFORE, NO SEPARATE PAYMENT SHALL BE MADE.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SAFELY OBTAINING THE REQUIRED COMPACTION. THE CONTRACTOR SHALL SELECT AND USE METHODS WHICH SHALL NOT BE INJURIOUS OR DAMAGING TO THE EXISTING FACILITIES AND STRUCTURES WHICH SURROUND THE WORK AREAS.
14. THE CONTRACTOR SHALL CONFINE HIS WORK WITHIN THE CONSTRUCTION LIMITS IN ORDER TO PRESERVE THE EXISTING IMPROVEMENTS AND SO AS NOT TO INTERFERE WITH THE OPERATIONS OF THE EXISTING FACILITIES.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SELECTING APPROPRIATE MEANS AND METHODS TO EXCAVATE AND TRENCH. THIS SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, SUPPORTING AND REPLACING, IF DAMAGED, ALL OTHER UTILITIES ENCOUNTERED DURING CONSTRUCTION. THIS SHALL BE CONSIDERED INCIDENTAL TO TRENCHING, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
17. CAUTION: THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-5073.91 0497



JEFF MORTENSEN & ASSOCIATES, INC.
6001-B KIRKWAY PARK BLVD. N.E.
ALBUQUERQUE, N.M. 87109
ENGINEERS & SURVEYORS (505) 345-4250

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES					
		NO.	BY	DATE			



LEGAL DESCRIPTION
MARIPOSA BASIN,
CITY OF ALBUQUERQUE,
BERNALILLO COUNTY

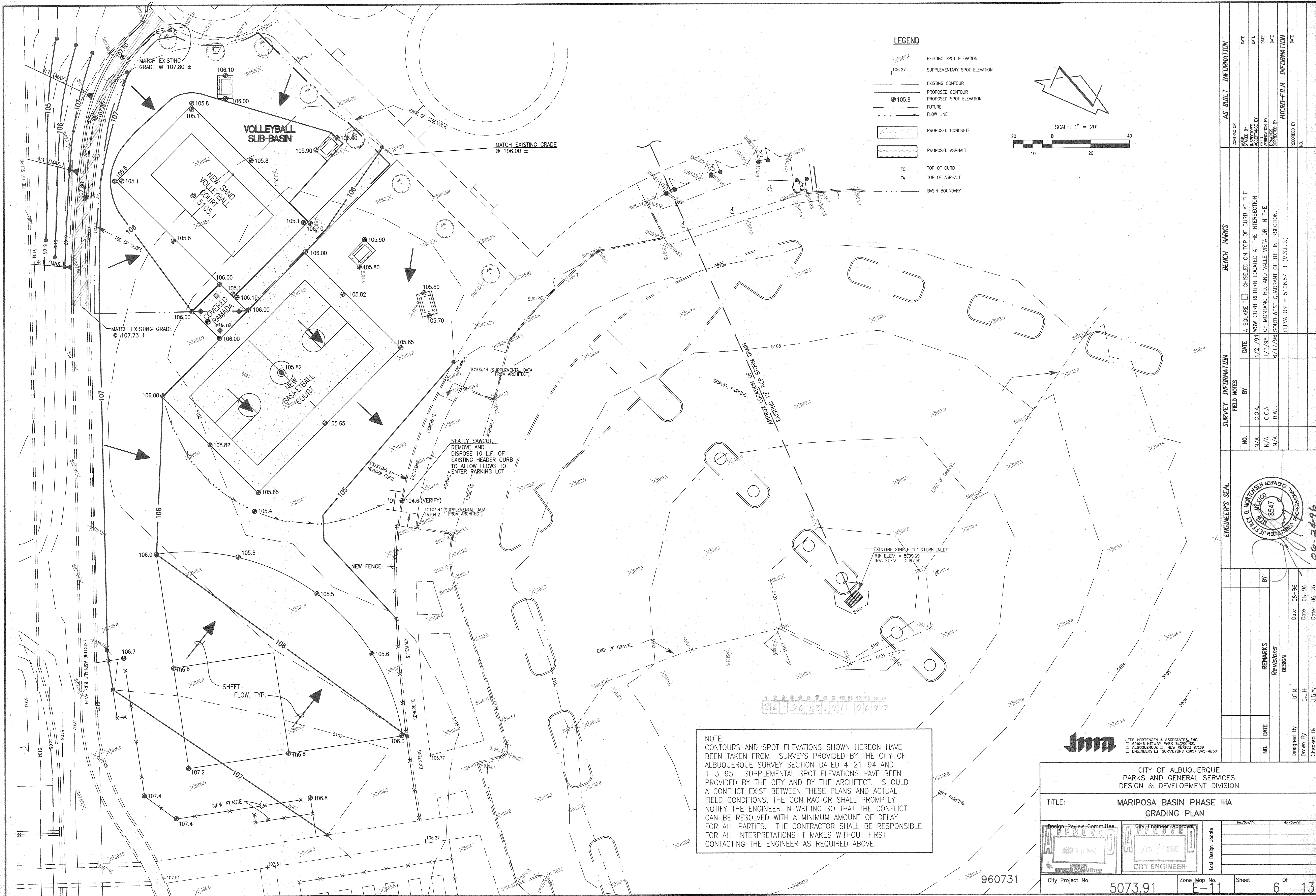
LEGEND

- EXISTING SPOT ELEVATION
- EXISTING CONTOUR
- EXISTING TREE
- TOP OF CONCRETE
- TOP OF ASPHALT
- FLOW LINE
- PROPOSED SPOT ELEVATION
- FUTURE IMPROVEMENTS
- PROPOSED FLOW LINE DIRECTION
- EXISTING DRAINAGE BASIN BOUNDARY
- EXISTING FLOWLINE DIRECTION
- PROPOSED SHEET FLOW DIRECTION
- EXISTING SHEET FLOW DIRECTION

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES		A SQUARE "□" CHISELED ON TOP OF CURB AT THE WSW CURB RETURN LOCATED AT THE INTERSECTION OF MONTANO RD. AND VALLE VISTA DR. IN THE SOUTHWEST QUADRANT OF THE INTERSECTION. ELEVATION = 5106.57 FT (M.S.L.D.). T.B.M. = AMAF.C.A. BRASS CAP M-4A LOCATED AT THE EAST SIDE OF PROPERTY. ELEVATION = 5119.157		CONTRACTOR	
		NO.		DATE		WORK BY	
		N/A		4-21-94		INSPECTED BY	
		N/A		1-3-95		ACCEPTANCE BY	
REVISIONS		BY		DATE		DRAWN BY	
DESIGN		C.O.A.		8-17-96		MICRO-FILM INFORMATION	
G.M.		C.J.H.		J.G.M.		RECORDED BY	
Date 06/96		Date 06/96		Date 06/96		DATE	

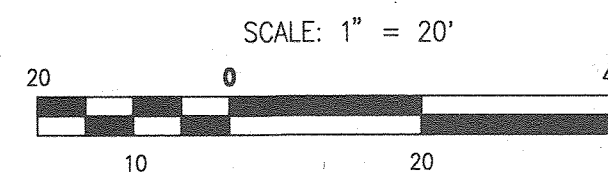
Jma JEFF MORTENSEN & ASSOCIATES, INC.
600-9 MIDWAY PARK, BLVD. NE
ALBUQUERQUE, N.M. 87109
ENGINEERS & SURVEYORS (305) 345-4250

CITY OF ALBUQUERQUE PARKS AND GENERAL SERVICES DESIGN & DEVELOPMENT DIVISION			
TITLE: MARIPOSA BASIN PHASE IIIA DRAINAGE PLAN			
DESIGN REVIEW COMMITTEE		CITY ENGINEER APPROVAL	
APPROVED AUG 1 6 1996 DESIGN REVIEW COMMITTEE		APPROVED AUG 1 6 1996 CITY ENGINEER	
City Project No. 960731		Zone Map No. E-11	
Sheet 5		Of 13	

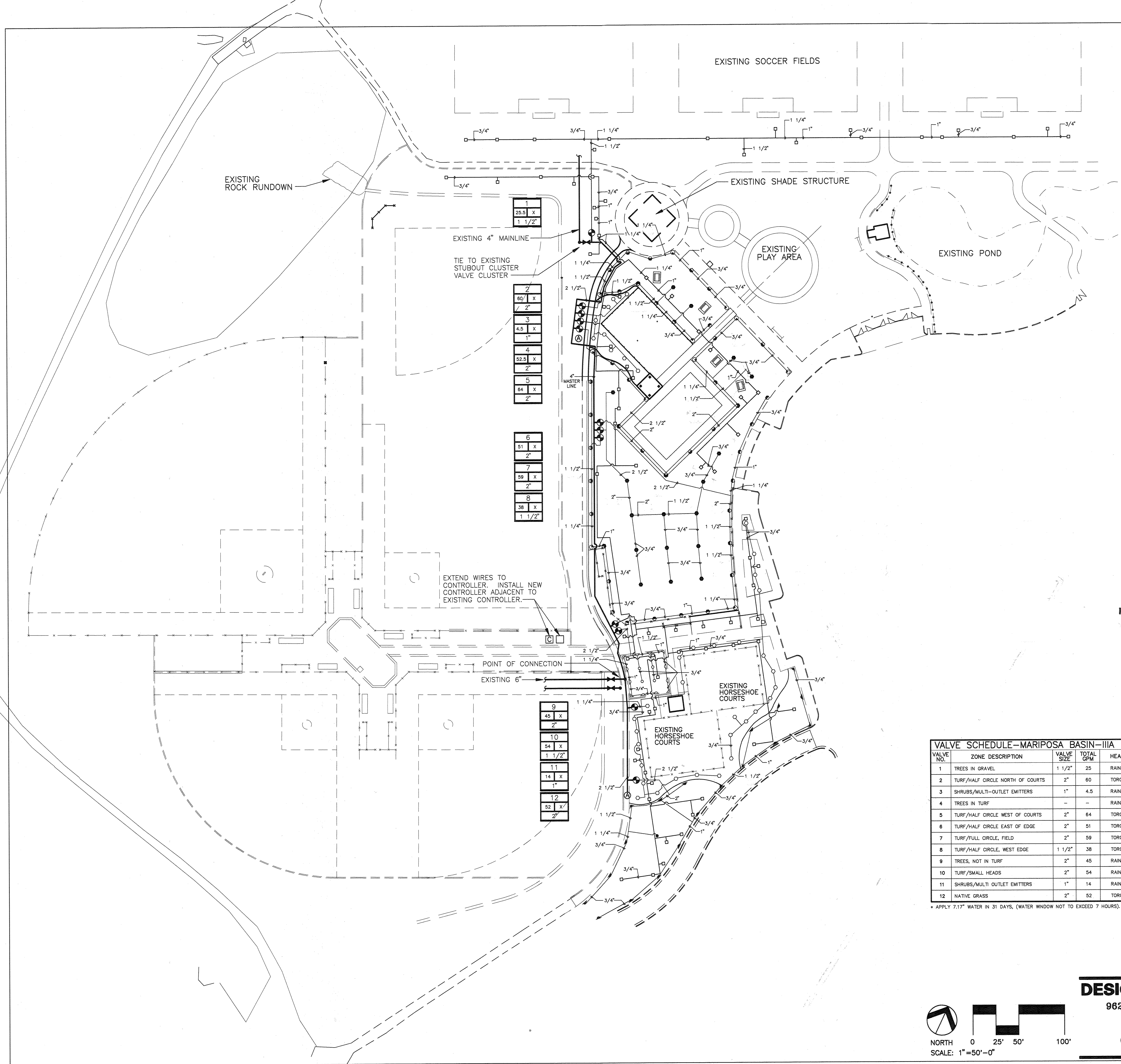


LEGEND

- EXISTING SPOT ELEVATION
- SUPPLEMENTARY SPOT ELEVATION
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED SPOT ELEVATION
- FUTURE FLOW LINE
- PROPOSED CONCRETE
- PROPOSED ASPHALT
- TC TOP OF CURB
- TA TOP OF ASPHALT
- BASIN BOUNDARY



ENGINEER'S SEAL										SURVEY INFORMATION				BENCH MARKS		AS BUILT INFORMATION			
JEFFREY G. MORTENSEN NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 8547  06-24-96										FIELD NOTES									
										NO.	BY	DATE							
		REMARKS		BY															
		Revisions																	
		DESIGN																	
Designed By		J.G.M.		Date		06-96													
Drawn By		C.J.H.		Date		06-96													
Checked By		J.G.M.		Date		06-96													
										NO.		RECORDED BY		DATE					



IRRIGATION LEGEND

- TORO M5S-2S-S 16 STATION SCORPIO CONTROLLER
- AUTOMATIC VALVE ASSEMBLY, RAINBIRD PES-B-SERIES, UNLESS NOTED OTHERWISE ON WATER MANAGEMENT GUIDE
- EXISTING PIPING TO REMAIN
- LATERAL PIPING, SCHEDULE 40 PVC, SIZE AS SHOWN ON PLAN, SIZES NOT INDICATED ON PLAN SHALL BE .75"
- IRRIGATION MAIN LINE, CLASS 200, SDR-21, O-RING GASKET END PVC, SIZE: 4"
- SCHEDULE 40 PVC SLEEVING, PIPE SLEEVES 2 SIZES LARGER THAN PIPE TO BE ENCLOSED; WIRE SLEEVES 2"
- AIR RELEASE VALVE ASSEMBLY, CRISPIN A-20 SIZE 2"
- ISOLATION VALVE ASSEMBLY, PEGLER 708-A, O-RING, IRON BODY GATE VALVE WITH 2" OPERATING NUT, SIZE AS SHOWN ON PLAN
- BUBBLER HEAD ASSEMBLY, (3 PER SYMBOL) RAINBIRD 1402, PRESSURE COMPENSATING BUBBLER
- MULTI-OUTLET EMITTER WITH BOX, RAINBIRD XERI-BIRD XBD
- TORO S-700-C PC 2.0LA 35'R, 1.86 GPM @40PSI
- TORO S-700-C PC 2.0LA 35'R, 1.86 GPM @40PSI
- TORO S-700-C PC 4.5LA 35'R, 3.13 GPM @40PSI
- TORO S-700-C PC 4.5LA 35'R, 3.13 GPM @40PSI
- TORO S-700-C PC 4.5LA 35'R, 3.13 GPM @40PSI
- TORO S-700HP-FC-7.5-LA 42'R, 6.94 GPM @40PSI
- TORO S-700HP-PC-4.5-LA 39'R, 3.71 GPM @40PSI
- TORO S-700HP-PC-2.0-LA 35'R, 1.86 GPM @40PSI
- RAINBIRD 15F 1804'S W/PRS & V.P.C. 15'R, 3.70 GPM
- RAINBIRD 15H 1804'S W/PRS & V.P.C. 15'R, 1.85 GPM
- RAINBIRD 15Q 1804'S W/PRS & V.P.C. 15'R, .93 GPM

SEE DETAIL 2703/SHEET-8

SEE DETAIL 2704/SHEET-8

SEE DETAIL 9/SHEET-8

SEE DETAIL 4/SHEET-8

SEE DETAIL 2 AND 5/SHEET-8

SEE DETAIL 6/SHEET-12

SEE DETAIL 2709/SHEET-8

SEE DETAIL 2709/SHEET-8

SEE DETAIL 2709/SHEET-8

SEE DETAIL 2709/SHEET-8

SEE DETAIL 2709/SHEET-8

SEE DETAIL 2709/SHEET-8

SEE DETAIL 2709/SHEET-8

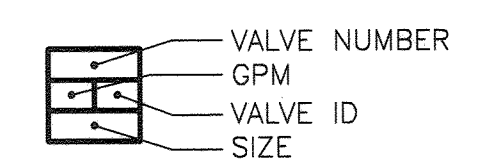
SEE DETAIL 2709/SHEET-8

SEE DETAIL 2709/SHEET-8

SEE DETAIL 2709/SHEET-8

SEE DETAIL 2709/SHEET-8

SEE DETAIL 2709/SHEET-8



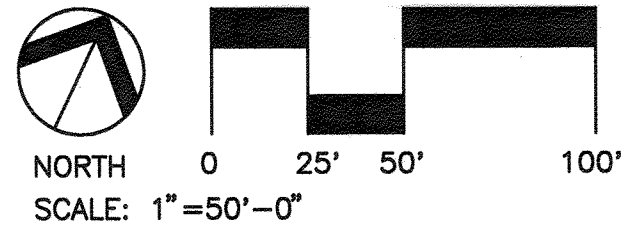
NOTE:

THIS SITE IS FED BY A 6" MAIN WITH A BOOSTER PUMP SUPPLYING WATER AT 300GPM AT 80PSI. SEE CITY PROJECT NO. 4000.90, MARIPOSA BASIN, SHEET W0 THROUGH W8, DATED 12/91.

TYPICAL BUBBLER HEAD LAYOUT

VALVE SCHEDULE-MARIPOSA BASIN-III									
VALVE NO.	ZONE DESCRIPTION	VALVE SIZE	TOTAL GPM	HEAD TYPE	GPM PER HEAD	APPROX. HEAD SPACING	CALCULATED PRECIPITATION	RUN TIME IN MINUTES	CYCLES/IRRIGATION
1	TREES IN GRAVEL	1 1/2"	25	RAINBIRD 1402	.5 @ 50PSI	3 @ TREE	-	20	1
2	TURF/HALF CIRCLE NORTH OF COURTS	2"	60	TORO S-700	3.13 @ 40PSI	35 SQ.	.25	-	1
3	SHRUBS/MULTI-OUTLET EMITTERS	1"	4.5	RAINBIRD XBD	2 GPH	-	-	60	1
4	TREES IN TURF	-	-	RAINBIRD 1402	.5 @ 50PSI	-	-	20	1
5	TURF/HALF CIRCLE WEST OF COURTS	2"	64	TORO S-700	3.13 @ 40PSI	35 SQ.	.25	60	1
6	TURF/HALF CIRCLE EAST OF EDGE	2"	51	TORO S-700	3.13 @ 40PSI	35 SQ.	.25	60	1
7	TURF/FULL CIRCLE, FIELD	2"	59	TORO S-700	3.13 @ 40PSI	50 SQ.	.25	60	1
8	TURF/HALF CIRCLE, WEST EDGE	1 1/2"	38	TORO S-700	3.12 @ 40PSI	-	.25	60	1
9	TREES, NOT IN TURF	2"	45	RAINBIRD 1402	.5 @ 50PSI	3 @ TREE	-	20	1
10	TURF/SMALL HEADS	2"	54	RAINBIRD 1804'S	3.7 @ 30PSI	15' SQ.	1.58	7	1
11	SHRUBS/MULTI OUTLET EMITTERS	1"	14	RAINBIRD XBD	2 GPH +/-	SHRUBS	-	60	1
12	NATIVE GRASS	2"	52	TORO S-700	6.94 @ 40PSI	40' TRIA	.39	60	1

* APPLY 7.17" WATER IN 31 DAYS, (WATER WINDOW NOT TO EXCEED 7 HOURS).



DESIGNWORKSHOP
9621 4TH STREET NW
Albuquerque, NM 87114
(Tel.) 505.890.1815
(Fax) 505.890.1817

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:
MARIPOSA BASIN PHASE IIIA
IRRIGATION PLAN

APPROVED
AUG 16 1996
DESIGN REVIEW COMMITTEE

APPROVED
AUG 16 1996
CITY ENGINEER

City Project No.
5073.91

Zone Map No.

Sheet
7 Of
13

DESIGNED BY
AD/JUA

DRAWN BY
AD/WBT

CHECKED BY
WSP

DATE
7/26/96

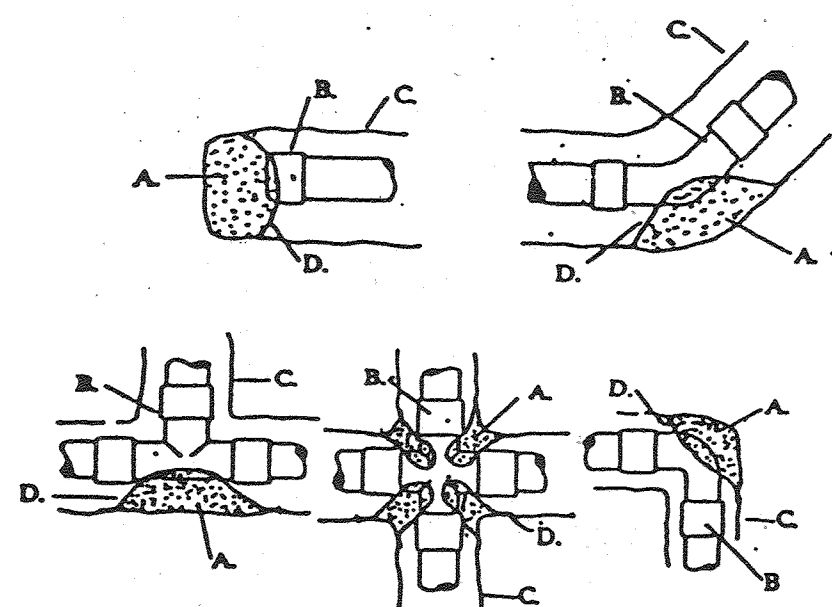
DATE
7/26/96

DATE
7/26/96

REVISIONS
DESIGN

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		FIELD NOTES		LANDSCAPE ARCHITECT'S SEAL	
CONTRACTOR	DATE	CONTRACTOR	DATE	NO.	BY	NO.	BY		
STAKED BY	DATE	INSPECTOR'S NAME	DATE						
FIELD VERIFICATION BY	DATE								
REVISIONS BY	DATE								
RECORDED BY	DATE								

26-5073.91 0792

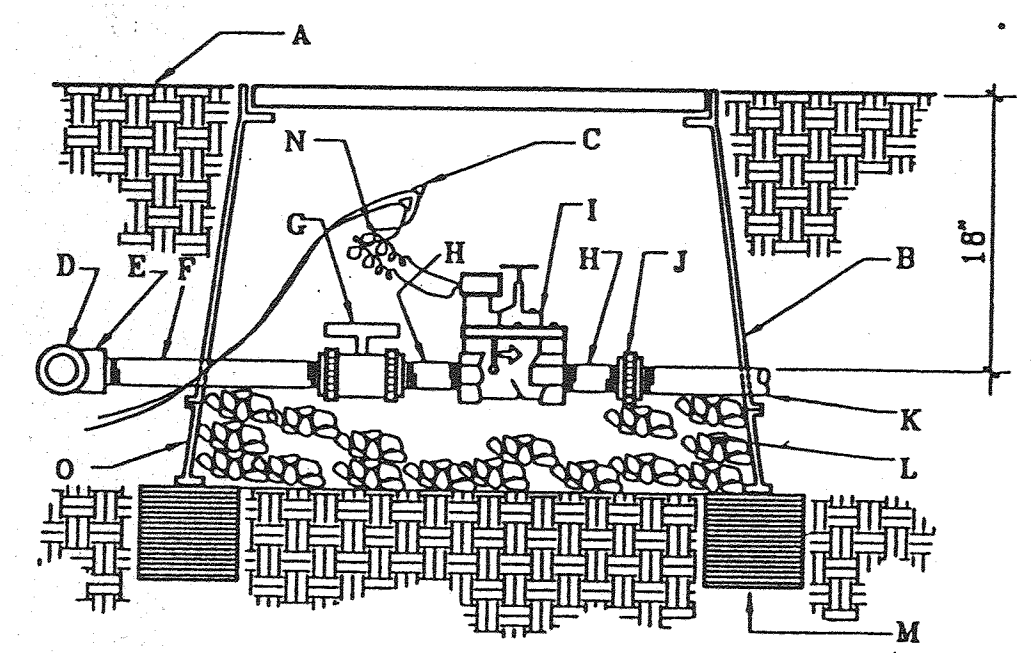


- GENERAL NOTES:**
- PVC FITTINGS SHALL BE PROTECTED FROM CONCRETE BY PLACING 10 MIL. PLASTIC SHEETING BETWEEN CONCRETE AND FITTING.
- CONSTRUCTION NOTES:**
- CONCRETE THRUST BLOCK PLACED AGAINST SOLID UNDISTURBED SOIL. (SEE SECTION 101).
 - PVC FITTING.
 - PIPE TRENCH.
 - 10 MIL. PLASTIC SHEETING.

1 8

THRUST BLOCKS

COA STD. DETAIL #2704

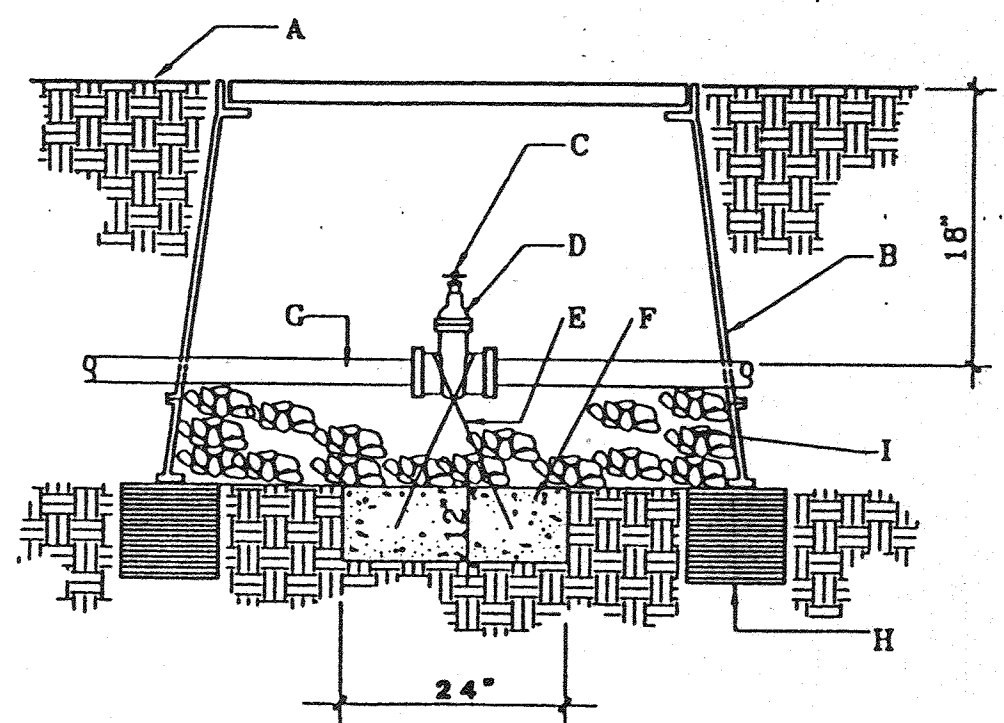


- GENERAL NOTES:**
- INSTALL AN 8"x8"x16" SOLID CMU BLOCK AT EACH END OF THE VALVE BOX.
 - WASH ROCK SHALL BE INSTALLED FLUSH WITH BOTTOM OF PIPE AND VALVE.
- CONSTRUCTION NOTES:**
- FINISH GRADE.
 - BROOKS PRODUCTS INC. 1730 PB-18 BODY (ABS) VALVE BOX WITH 1730 BOLT DOWN COVER (ABS) AND ONE 8" EXTENSION.
 - 3M SCOTCHLOK CONNECTORS.
 - IRRIGATION MAINLINE.
 - IRRIGATION MAINLINE SERVICE TEE OR ELL.
 - SCHEDULE 80 PVC 12" NIPPLE.
 - SPEARS TRUE UNION SCHEDULE 80 PVC BALL VALVE.
 - SCHEDULE 80 PVC 4" NIPPLE.
 - ELECTRIC VALVE. REFERENCE THE DRAWING FOR SIZE.
 - SPEARS SCHEDULE 80 PVC UNION.
 - LATERAL LINE.
 - 1" DIAMETER WASHED ROCK.
 - 8"x8"x16" SOLID CMU BLOCK.
 - 24" WIRE EXPANSION COIL.

3 8

ELECTRICAL VALVE

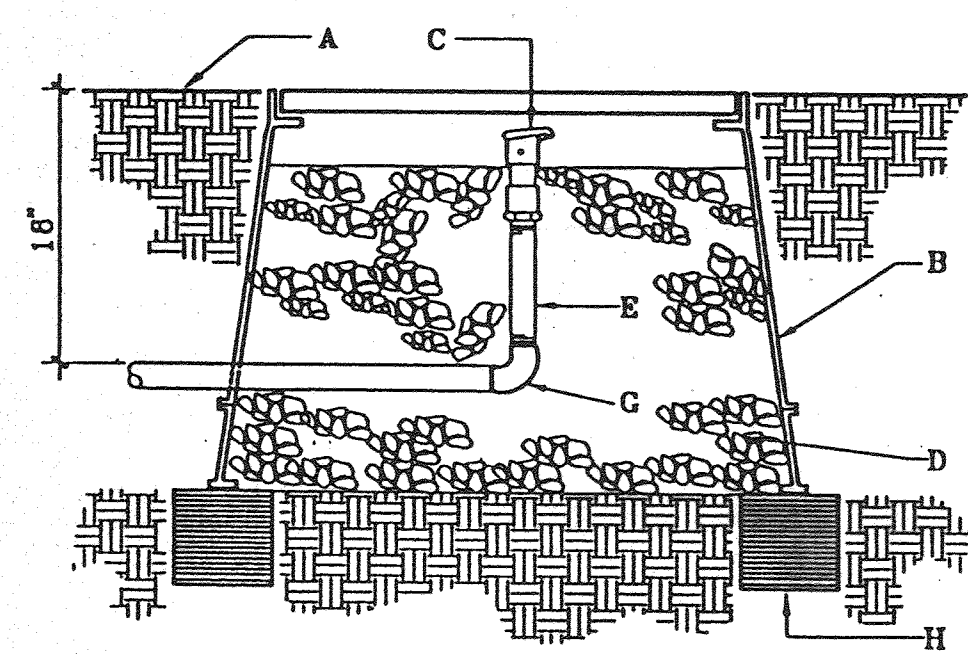
COA STD. DETAIL #2703



- GENERAL NOTES:**
- INSTALL AN 8"x8"x16" CMU BLOCK AT EACH CORNER OF THE VALVE BOX.
- CONSTRUCTION NOTES:**
- FINISH GRADE.
 - BROOKS PRODUCTS INC. 525 SERIES SCREW TYPE PLASTIC VALVE BOX WITH TOP, BOTTOM, AND COVER.
 - 2" OPERATING NUT.
 - PEGLER VALVE, 8-60 SIZE PER SCHEDULE.
 - NO. 4 REBAR.
 - THRUST BLOCK 4000 PSI CONCRETE PLACED AGAINST UNDISTURBED SOIL.
 - IRRIGATION MAINLINE.
 - 8"x8"x16" CMU BLOCK.
 - 1" DIAMETER WASHED ROCK.

4 8

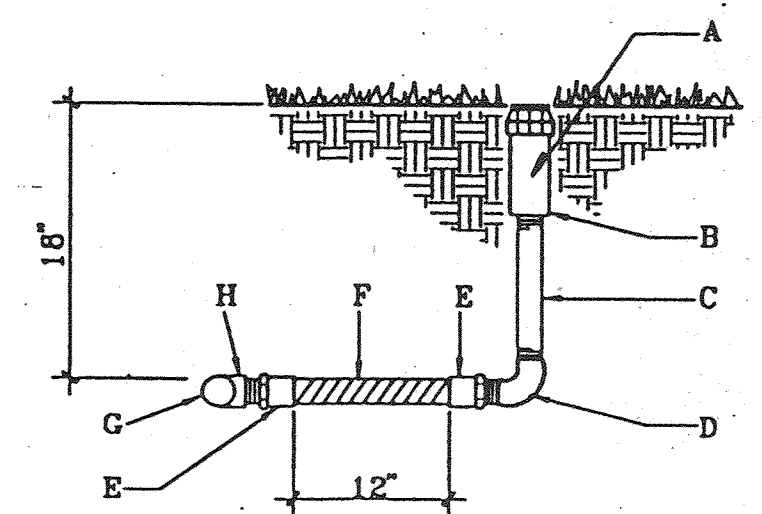
MAINLINE ISOLATION VALVE



- GENERAL NOTES:**
- INSTALL AN 8"x8"x16" SOLID CMU BLOCK AT EACH CORNER OF THE VALVE BOX.
 - INSTALL 1" DIAMETER WASHED ROCK BELOW THE VALVE BOX. EXTEND WASHED ROCK UP TO COLLAR OF QUICK COUPLER VALVE.
 - INSTALL A GATE VALVE IMMEDIATELY UPSTREAM OF QUICK COUPLER VALVE.
- CONSTRUCTION NOTES:**
- FINISH GRADE.
 - BROOKS PRODUCTS INC. 525 SERIES SCREW TYPE PLASTIC VALVE BOX WITH TOP, BOTTOM, AND COVER. WHEN QUICK COUPLER VALVE IS INSTALLED IN PLAYING FIELD USE 4" PIPE WITH PLASTIC LID.
 - RAINBIRD 33 DRC QUICK COUPLER VALVE.
 - 1" DIAMETER WASHED ROCK.
 - 12" SCH. 80 PVC RISER.
 - IRRIGATION MAINLINE.
 - SCHEDULE 40 PVC ELL SXT.
 - 8"x8"x16" SOLID CMU BLOCK.

6 8

QUICK COUPLER VALVE

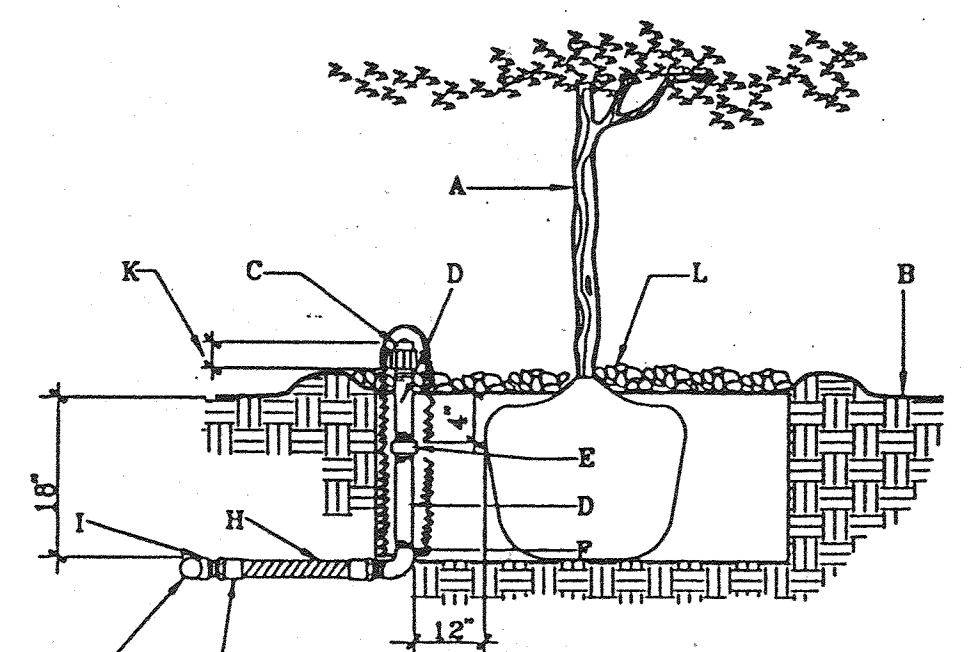


- GENERAL NOTES:**
- THIS DETAIL SHALL BE USED FOR POP-UP SHRUB SPRAY, POP-UP LAWN SPRAY, GEAR DRIVEN AND ROTARY SPRINKLER HEADS.
 - LATERAL LINE PRESSURE TESTING SHALL BE COMPLETED PRIOR TO INSTALLATION OF FLEX PIPE ASSEMBLY. LATERAL LINE TESTING SHALL BE ACCOMPLISHED BY INSTALLING A PLUG IN THE OUTLET OF LATERAL LINE TEES AND ELLS.
 - TOP OF SPRINKLER HEAD SHALL BE SET FLUSH WITH FINISH GRADE.
- CONSTRUCTION NOTES:**
- FINISH GRADE.
 - SPRINKLER HEAD (REFERENCE THE DRAWINGS FOR TYPE).
 - SCH. 80 PVC NIPPLE. LENGTH VARIES DEPENDING UPON SIZE OF SPRINKLER HEAD.
 - SCH. 40 PVC THREADED ELL.
 - SCH. 40 PVC MIP ADAPTER.
 - PVC FLEXIBLE VINYL PIPE STD. IPS FROM AGRICULTURAL PRODUCTS INC. (818-768-3303).
 - LATERAL PIPE.
 - SCH. 40 PVC SX/SXT TEE OR SXT ELL.

8 8

SPRINKLER HEAD WITH FLEX ASSEMBLY

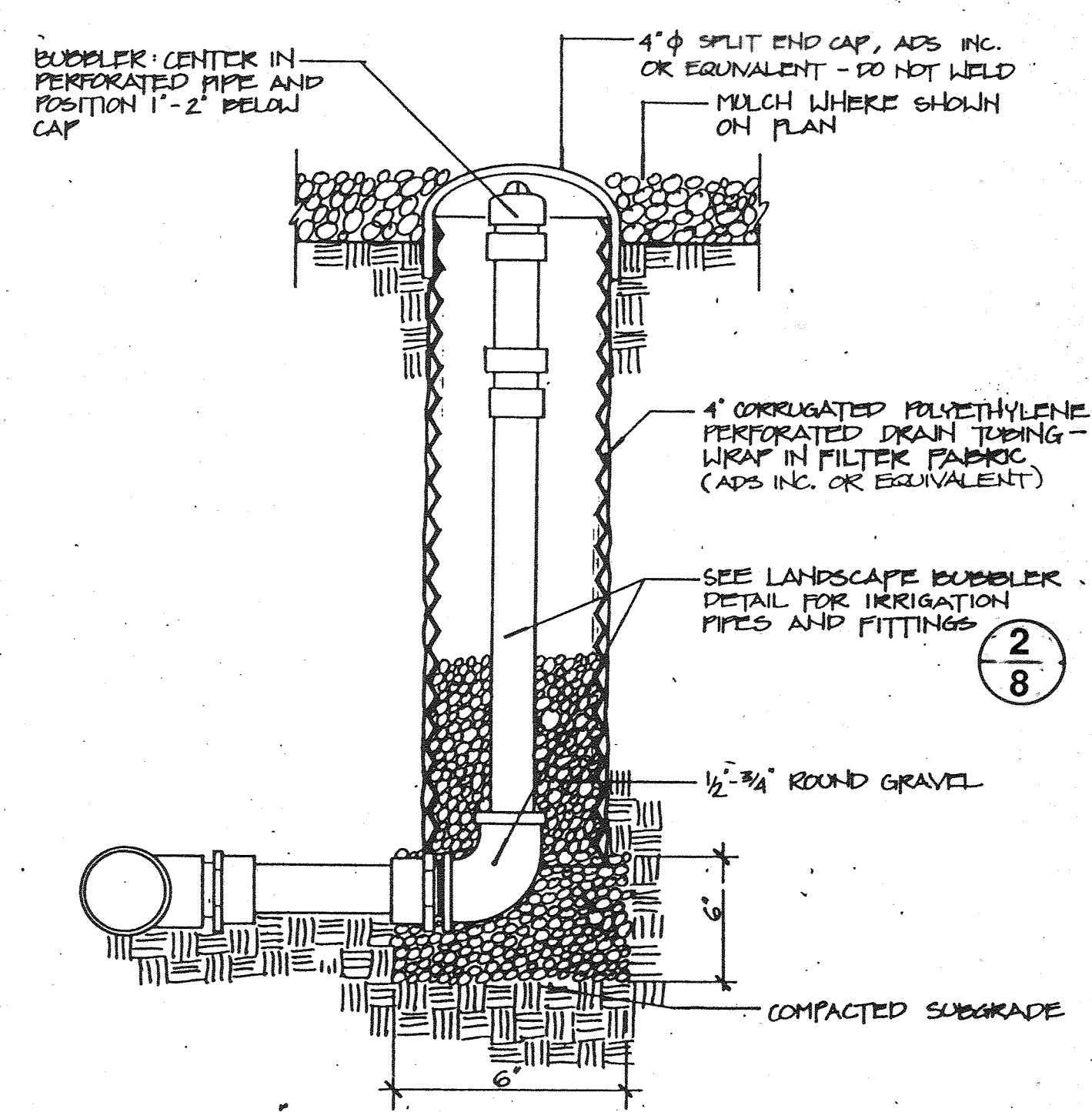
COA STD. DETAIL #2709



- GENERAL NOTES:**
- PROVIDE 3 BUBBLERS PER TREE. INSTALL EACH BUBBLER IN 4" CORRUGATED, PERFORATED DRAIN TUBING. SEE DETAIL 5 THIS SHEET.
 - 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.
 - BUBBLERS ARE TO BE EQUALLY SPACED AROUND TREE TRUNK.
- CONSTRUCTION NOTES:**
- TREE.
 - FINISH GRADE.
 - BUBBLER HEAD (REFERENCE IRRIGATION LEGEND). TYPICAL, 1 OF 3.
 - SCH. 80 PVC NIPPLE.
 - SCH. 40 PVC THREADED COUPLER.
 - SCH. 40 PVC THREADED ELL.
 - SCH. 40 PVC MIP ADAPTER.
 - PVC FLEXIBLE VINYL PIPE, STD. IPS FROM AGRICULTURAL PRODUCTS INC. (818-768-3303).
 - SCH. 40 PVC SX/SXT TEE OR SXT ELL.
 - LATERAL PIPE.
 - TOP OF BUBBLER LEVEL WITH TOP OF BARK MULCH OR MAX. 1" ABOVE MATERIAL AT FINISHED GRADE (SEE PLANTING PLAN).
 - REFERENCE PLANTING PLAN. MATERIAL VARIES.

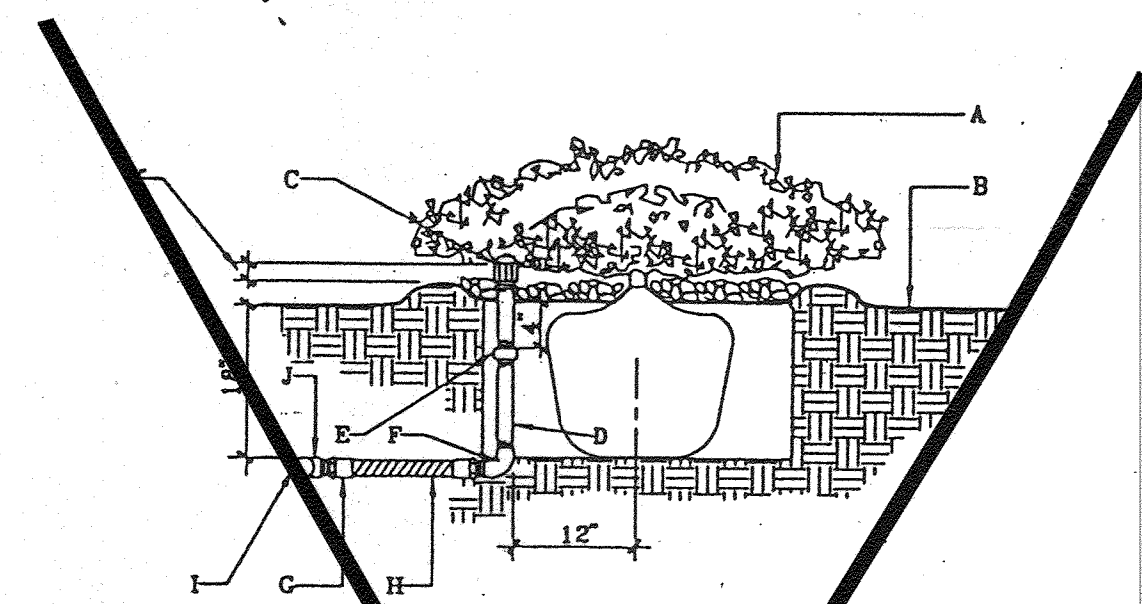
2 8

BUBBLER HEAD AT TREE



5 8

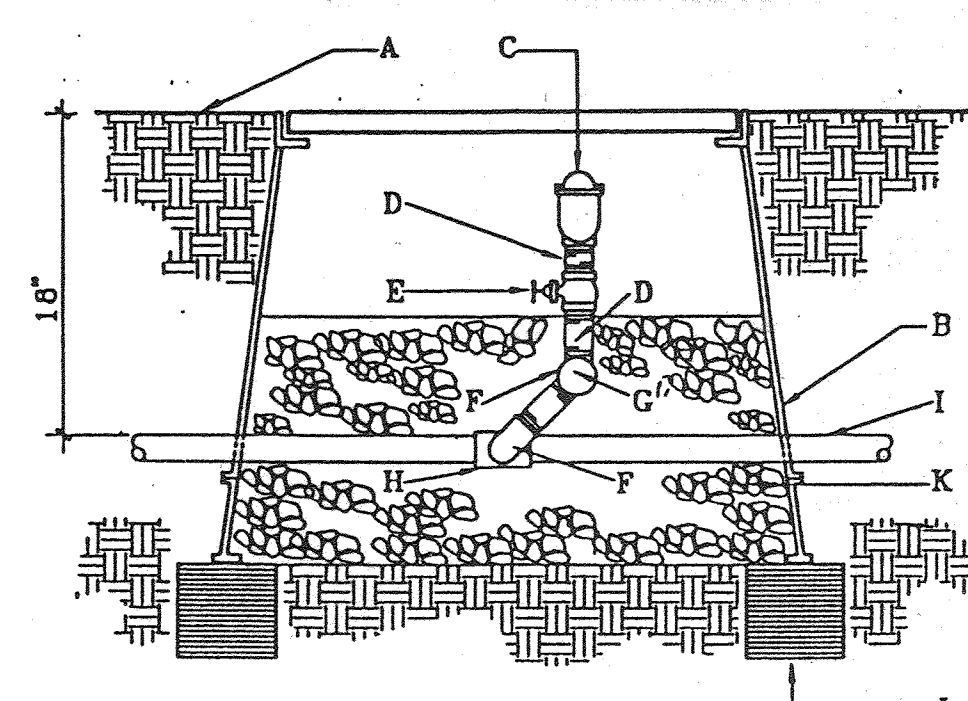
ENLARGEMENT - BUBBLER HEAD AT TREE



- GENERAL NOTES:**
- 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.
 - EMITTER SHALL ALWAYS BE INSTALLED ON THE UPHILL SIDE OF THE SHRUB.
- CONSTRUCTION NOTES:**
- SHRUB.
 - FINISH GRADE.
 - DRIP EMITTER (REFERENCE IRRIGATION LEGEND).
 - SCH. 80 PVC NIPPLE.
 - SCH. 40 PVC THREADED COUPLER.
 - SCH. 40 PVC THREADED ELL.
 - SCH. 40 PVC MIP ADAPTER.
 - PVC FLEXIBLE VINYL PIPE, STD. IPS FROM AGRICULTURAL PRODUCTS INC. (818-768-3303).
 - LATERAL PIPE.
 - SCH. 40 PVC SX/SXT TEE OR SXT ELL.
 - TOP OF EMITTER LEVEL WITH TOP OF BARK MULCH OR MAX. 1" ABOVE TOP OF MATERIAL AT FINISHED GRADE (SEE PLANTING PLAN).

7 8

DRIP EMITTER AT SHRUB



- GENERAL NOTES:**
- INSTALL AN 8"x8"x16" SOLID CMU BLOCK AT EACH END OF THE VALVE BOX.
 - WASH ROCK SHALL BE INSTALLED FLUSH WITH BOTTOM OF GATE VALVE.
 - AIR RELIEF VALVE SHALL BE INSTALLED DOWNSTREAM OF THE MASTERVALVE.
- CONSTRUCTION NOTES:**
- FINISH GRADE.
 - BROOKS PRODUCTS INC. 525 SERIES SCREW TYPE PLASTIC VALVE BOX WITH TOP, BOTTOM, AND COVER. WHEN AIR RELIEF VALVE IS INSTALLED IN PLAYING FIELD USE 4" PIPE WITH PLASTIC LID.
 - AIR RELIEF VALVE (REFERENCE THE DRAWINGS).
 - SCHEDULE 80 PVC NIPPLE.
 - GATE VALVE.
 - SCHEDULE 40 PVC ST. ELL.
 - SCHEDULE 40 PVC ELL.
 - IRRIGATION MAINLINE TEE.
 - IRRIGATION MAINLINE.
 - 8"x8"x16" SOLID CMU BLOCK.
 - 1" DIAMETER WASHED ROCK.

9 8

AIR RELIEF VALVE

AS-BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				LANDSCAPE ARCHITECT'S SEAL			
CONTRACTOR	DATE	INSPECTOR'S NAME	DATE	STATION	DATE	FIELD	DATE	NO.	BY	DATE	NO.	BY	DATE	NO.	BY

REVISIONS			
NO.	DATE	REMARKS	BY
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: MARIPOSA BASIN PHASE IIIA IRRIGATION DETAILS			
DESIGNED BY	DRAWN BY	CHECKED BY	DATE
WSP	JJA	WSP	JULY 2, 1996
			JULY 2, 1996
			JULY 2, 1996

DESIGNWORKSHOP

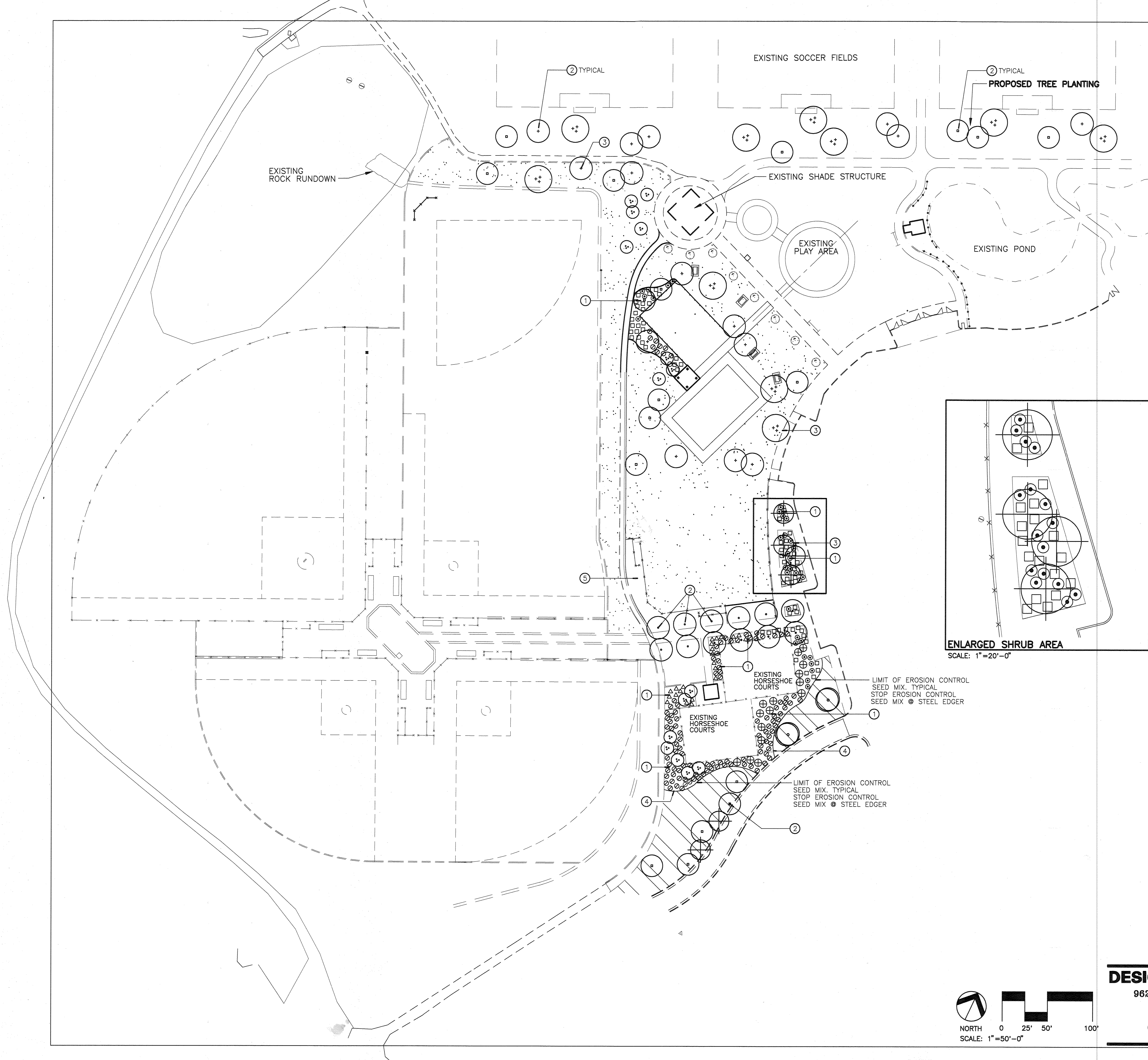
9621 4TH STREET NW
Albuquerque, NM 87114

(Tel.) 505.890.1815
(Fax) 505.890.1817

City Project No. 5073.91

Zone Map No. —

Sheet 8 Of 13



PLANTING SCHEDULE

NO	SYM	BOTANICAL NAME/ COMMON NAME	SIZE	MINIMUM SPACING	DETAILS/NOTES
6	⊕	ROBINIA X AMBIGUA/ IDAHO LOCUST	2 1/2" CAL	20' O.C.	8' HT. MIN.
14	•	PLATANUS ACERFOLIA/ LONDON PLANE TREE	3" CAL	30' O.C.	10' HT. MIN.
22	•	FRAXINUS VELUTINA 'MODESTO'/ MODESTO ASH	2" CAL	20' O.C.	8' HT. MIN.
16	⊕	FORESTIERA NEOMEXICANA/ NEW MEXICO OLIVE	15 GALL	15' O.C.	8' HT. MIN.
6	⊕	QUERCUS TEXANA/ TEXAS RED OAK	3" CAL	30' O.C.	8' HT. MIN.
2	⊕	POPULUS FR. 'WIZLEZINI'/ VALLEY COTTONWOOD	2" CAL	60' O.C.	MULTI-TRUNK SPECIMEN
15	•	QUERCUS RUBRA/ NORTHERN RED OAK	2" CAL	20' O.C.	10' HT. MIN.
32	⊕	FALLUGIA PARADOXA/ APACHE PLUME	1 GALL	5' O.C.	7' 10'
106	⊕	CHAMAEBATERIA MILLEFOLIUM/ FERNBUSH	1 GALL	5' O.C.	
60	⊕	PEROVSKIA ATRIPLICIFOLIA/ RUSSIAN SAGE	5 GALL	5' O.C.	
15	⊕	ELAEAGNUS PUNGENS/ SILVERBERRY	5 GALL	10' O.C.	
22	Δ	PENSTEMON PINIFOLIUS/ PINELEAF PENSTEMON	1 GALL	5' O.C.	

EROSION CONTROL SEED MIX:

BLUE GRASS/GRASS/BOUTELOUA GRACILIS 'HACHITA'..... 4 LB.PLS/ARCE
GALLETA GRASS/HILARIA JAMESII 'VIVA'..... 4 LB.PLS/ARCE
INDIAN RICEGRASS/ORYZOPSIS HYMENOIDES 'PALOMA'..... 4 LB.PLS/ARCE
SAND DROPSEED/SPOROBOLUS CRYPTANDRUS..... 1 LB.PLS/ARCE

PURPLE ASTER/ASTER BIGLOVIL..... 1 LB.PLS/ARCE
PIREWHEEL/GALLARDIA ARISTATA..... 1 LB.PLS/ARCE
DESERT FOUR O'CLOCK/MIRABILIS MULTIFLORA..... 1 LB.PLS/ARCE
BUSH PENSTEMON/PENSTEMON AMBIGUUS..... 1 LB.PLS/ARCE
PRAIRIE ZINNIA/ZINNIA GRANDIFLORA..... 5 LB.PLS/ARCE
SAND SAGE/ARTEMESIA FILIFOLIA..... 5 LB.PLS/ARCE
BROOM DALEA/DALEA SCOPARIA..... 5 LB.PLS/ARCE

NOTE: SEED WILDFLOWERS AFTER TURF IS ESTABLISHED.

TURFGRASS SEED MIX

TURF GRASS SEED SHALL CONSIST OF FALCON FESCUE, PENNFINE PERENNIAL RYE, AND ADELPHI BLUE GRASS AT 250 PLS LBS. PER ACRE. THE MIXING RATIO OF THE ABOVE LISTED GRASSES SHALL BE 1:1:1 BY WEIGHT. THE OWNERS REPRESENTATIVE SHALL RECEIVE ALL LABELS FROM SEED BAGS FOR VERIFICATION. PURITY OF SEED SHALL NOT BE LESS THAN 98% AND GERMINATION SHALL NOT BE LESS THAN 85%.

GENERAL PLANTING NOTES

A. PLANT LOCATIONS ARE APPROXIMATE AND SUBJECT TO ADJUSTMENT IN THE FIELD. ALL PLANT LOCATIONS ARE TO BE APPROVED BY THE LANDSCAPE ARCHITECT.

KEYED PLANTING NOTES

① INSTALL SANTA FE BROWN CRUSHER FINES, 4" DEEP. APPLY PREEMERGENT HERBICIDE PRIOR TO INSTALLATION.
② ISOLATED TREE PLANTING. INSTALL IN 6' DIAMETER PLANTING AREA, TYPICAL LOCATE AS SHOWN.
③ MINIMUM 5' PLANTING FROM CURB.
④ STEEL EDGE. SEE DETAIL 9, SHEET 13.
⑤ STABILIZED CRUSHER FINES. SEE DETAIL 8, SHEET 13.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

26-5073.91 0997

DESIGNWORKSHOP
9621 4TH STREET NW
Albuquerque, NM 87114
(Tel.) 505.890.1815
(Fax) 505.890.1817

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **MARIPOSA BASIN PHASE IIIA PLANTING PLAN**

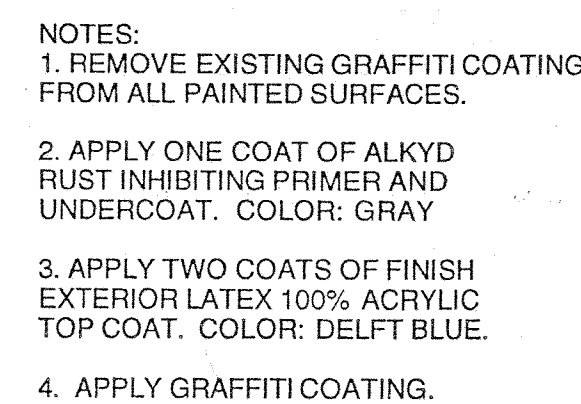
APPROVED
AUG 16 1996
DESIGN REVIEW COMMITTEE

APPROVED
AUG 16 1996
CITY ENGINEER

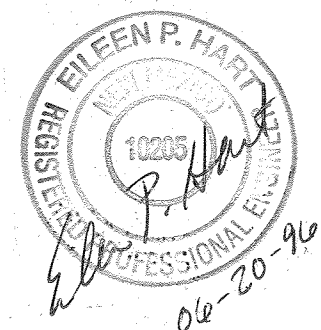
City Project No. **5073.91**

Zone Map No.

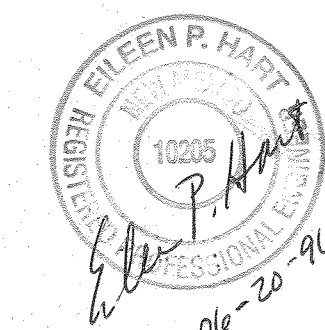
Sheet **9** of **13**



NTS

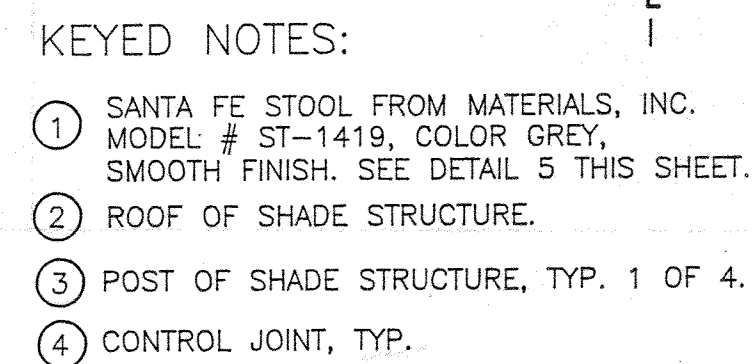


NTS



3
SD10

NTS



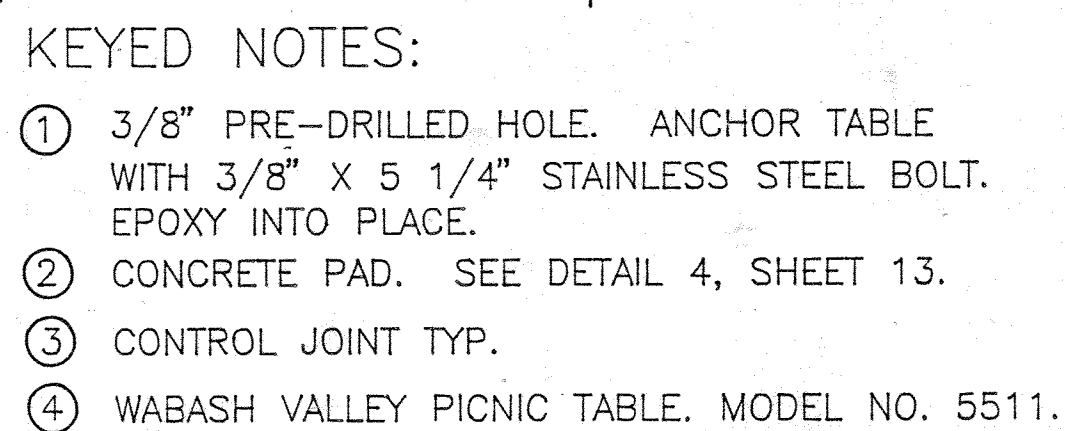
4
SD10

SCALE: 1" = 5'-0"



5
SD10

NTS



6
SD10

NTS



- A. SHROB
 - B. BACKFILL W/EXISTING SOIL
 - C. 4" CRUSHER FINES
 - D. FINISH GRADE
1. ROOTBALL SHALL BE PLACED ON UNDISTURBED SOIL TO PREVENT SHROB FROM SETTLING.
 2. TOP OF ROOTBALL INDICATES LEVEL AT WHICH SHROB WAS GROWN AND ROG; THIS REPRESENTS THE LEVEL AT WHICH THE SHROB SHOULD BE INSTALLED; THAT LEVEL MAY BE EXCEEDED BY ONLY A 1" LAYER OF SOIL.
 3. MATERIALS AT FINISHED GRADE VARY ACCORDING TO THE PLANTING PLAN.
4. WHEN THE SHROB IS PLANTED, A LEVEL SPACE SHALL BE GRADED IN ORDER TO PLANT THE SHROB LEVEL. THE LEVEL AREA SHALL BE A MINIMUM OF 6" WIDE OUTSIDE THE PLANTING PIT.
 5. AFTER THE SHROB IS PLANTED, THE DEGREE OF SLOPE ABOVE AND BELOW THE SHROB SHALL NOT EXCEED THE EXISTING DEGREE OF SLOPE PRIOR TO PLANTING.

7
SD10

NTS



1. ROOTBALL SHALL BE PLACED ON UNDISTURBED SOIL TO PREVENT SETTLING OF THE TREE.
2. TOP OF ROOTBALL INDICATES THE LEVEL AT WHICH THE TREE WAS GROWN AND DUG; THIS REPRESENTS THE LEVEL AT WHICH THE TREE SHOULD BE INSTALLED, AND MAY BE EXCEEDED ONLY BY A ONE INCH LAYER OF SOIL.
3. PRIOR TO BACKFILLING TREE, ALL WIRE, ROPE, AND SYNTHETIC MATERIALS SHALL BE REMOVED FROM THE TREE, ROOTBALL, AND EXCAVATION.
4. PRIOR TO BACKFILLING TREE, ALL FURIAL SHALL BE CUT AWAY EXCEPT FROM THE LOWER HALF OF THE ROOTBALL.

8
SD10

NTS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
2	6	-	5	0	7	3	.	9	1			1	0	9	7

9621 4TH STREET NW
Albuquerque, NM
87114

(Tel.) 505.890.1815
(Fax) 505.890.1817

Design Review Committee

APPROVED

AUG 16 1996

DESIGN REVIEW COMMITTEE



City Engineer Approval
AUG 16 1990
 CITY ENGINEER

Product Design Update

	10.

/Day/yr.

	Mo./D.

day/yr.

City Project No.

TEC	
-----	--

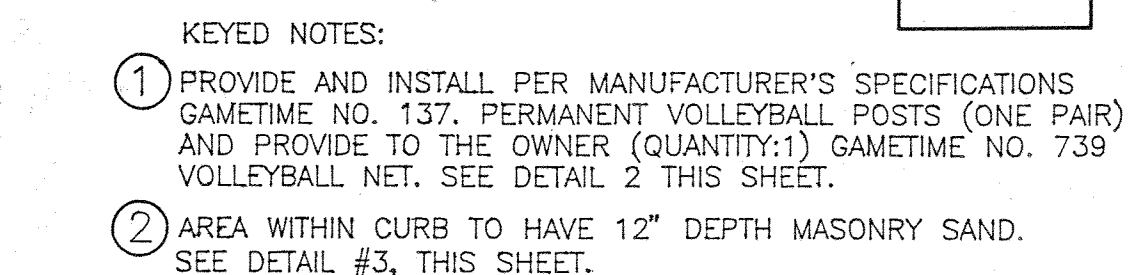
Zone Map

No.	She
-----	-----

net

Of

--	--



NTS

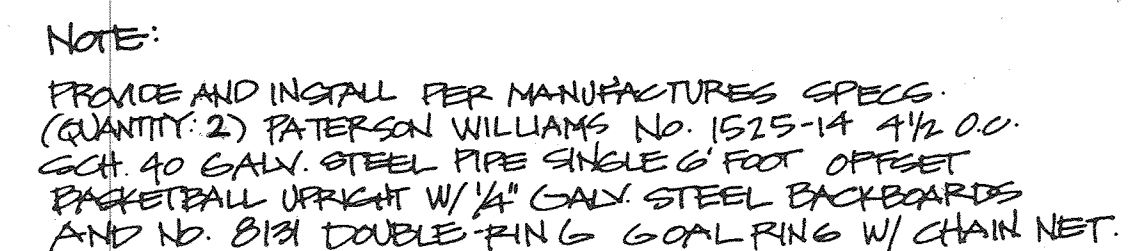


NTS

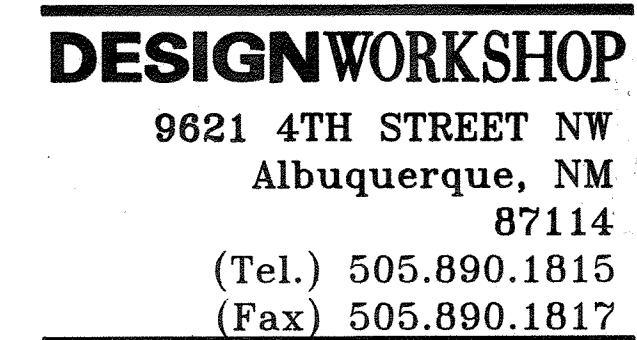
- RECYCLED PLASTIC TIES FROM:
INNOVATIVE RESEARCH CORP.
2618 COORS AVE., SW
ALBUQUERQUE, NM 87121
505.873.9710



NTS



NTS

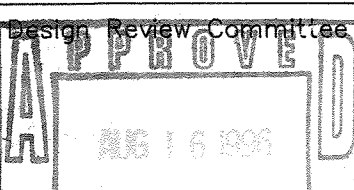
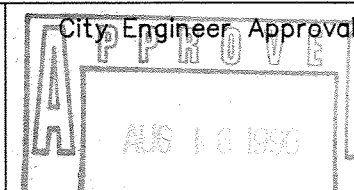


CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:

MARIPOSA BASIN PHASE IIIA

SITE DETAILS: BASKETBALL & VOLLEYBALL COURTS

		Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
City Project No. 5073.91	—	Zone Map No.	Sheet 11	Of —
			13	



C.O.A. STD. DETAIL # 2252



- ① CHAIN LINK GATE SIZE VARIES. SEE PLAN. SEE SPECIFICATIONS FOR ACCEPTABLE HARDWARE. WELD FRAME.
- ② DIAGONAL CROSS BRACING TRUSS ROADS
- ③ END POST
- ④ CONCRETE MOWSTRIP, EXPANSION JOINTS @ 20'-0" O.C. SEE DETAIL 5 ON SHEET 50-6
- ⑤ COMPACTED SUBGRADE
- ⑥ CONCRETE FOOTING

FOOTING LEGEND		
GATE LEAF WIDTH	POST SIZE	FOOTING SIZE
UP TO 4'	2.875" O.D.	24" X 12"
UP TO 6'	2.875" O.D.	24" X 12"
UP TO 8'	4.0" O.D.	36" X 16"

FOUL POLE

- ① GALVANIZED CAP
- ② 4.0" O.D. GALVANIZED POST.
- ③ CHAIN LINK FENCE
- ④ CONCRETE MOVING STRIP, EXPANSION JOINTS @ 20'-0" O.C.
- ⑤ CONCRETE FOOTING FOR 4.0" O.D. POST
AND 15'-0" FOUL POLE, FOOTING SIZE TO BE
5'-0" X 5'-6".

~~GENERAL NOTES~~

PAINTING. PREPARE POST FOR PAINTING WITH A VINEGAR WASH AND A GALVANIZED PRIMER COAT. FOUL POLE SHALL RECEIVE 2 COATS OF EXTERIOR QUALITY ENAMEL. COLOR: ORANGE
FOR FENCE HEIGHT SEE PLANS.



N.I.C.

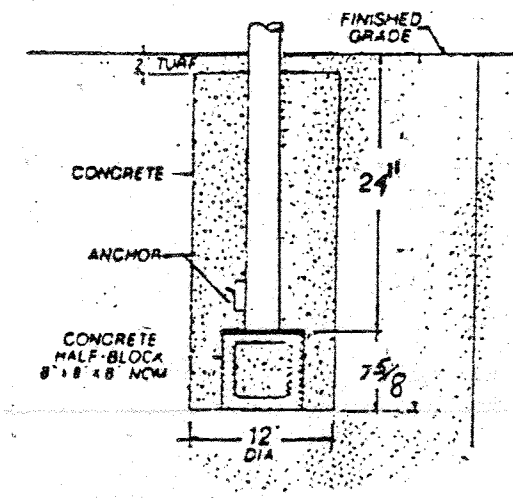
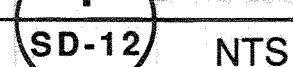
GENERAL NOTES:

1. GATE TO BE USED AS SPECIFIED ON CONSTRUCTION DRAWINGS FOR DRAINAGE EASEMENT BARRICADE, SEE DWG. 2251 OR DWG. 2253.
2. SINGLE LATE GATES WILL BE USED ON OPENINGS OF 12" OR LESS AND MORE THAN 12" OUSIBLE LATE GATES SHALL BE USED, WITH A CENTER LOCK POST INSERTED IN A PIPE SLEEVE IN CENTER OF OPENING.
3. DIMENSIONS ABOVE OR BELOW GRADE LEVEL WILL BE ON CONSTRUCTION DRAWINGS. IF NONE ARE NOTED, MESH IS FLUSH WITH GRADE LEVEL.
4. ALL METAL ITEMS, INCLUDING PIPE, SHALL BE GALV. STEEL. ALL PIPE SHALL BE NOMINAL SIZE, SCH. 40.

CONSTRUCTION NOTES

- 6. GATE LATCH WITH VANDAL PROOF SHIELD & PADLOCK (CANNOT BE FORWARDED BY THE CPTD).
- 7. 1" X 1/4" DIA. 1/4" DIA. (2.375 O.D.)
- 8. 3/4" HUBBARD HUBBARD NOZZLE AND BARRETT ARRESTOR
- 9. 2" NO. 9 GAUGE CHAIN (1/4" DIA. WIRE FABRIC
- 10. STEEL TENSION SPRING AT 18" OR LESS O.C.
- 11. BARREL, 1 1/4" DIA. - WELDED TO FRAME
- 12. GATE LATCH, 1" DIA. (2.375 O.D.) 1/4" DIA.
- 13. 1/4" DIA. 1/4" DIA. (2.375 O.D.)
- 14. 2" X 1/4" DIA. 1/4" DIA. (2.375 O.D.)
- 15. 3/2" SPLIT POST (4" O.D.) WITH WELDED SCREW
- 16. TENSION BAR 1/4" X 4" O.D.
- 17. GATE LATCH
- 18. 1/2" DIA. HOLES, FILLED W/STANDARD CEMENT CONCRETE
- 19. CONCRETE POST 1/2" DIA. (2.375 O.D.)
- 20. 1/2" DIA. 1/4" DIA. (2.375 O.D.)
- 21. 2" X 1/4" DIA. 1/4" DIA. (2.375 O.D.)
- 22. WIRE REINFORCING, 3 GAUGE, INSTALLED 3" ABOVE TOP OF CONCRETE
- 23. 1/2" DIA. 1/4" DIA. (2.375 O.D.)
- 24. FABRIC SHAWL OF TAPE WEAVE TWO PLACES TO EACH END OF TENSION BAR (THREE PLACES AT TOP AND BAR LATCH)
- 25. WIRE NUTS, BOLTS, AND OTHER CONNECTIONS SHALL BE FACED TO THE INSIDE OF THE WALL
- 26. WIRE SHAWL 1/2" DIA. SAW STEEL 1/4" DIA. O.C.

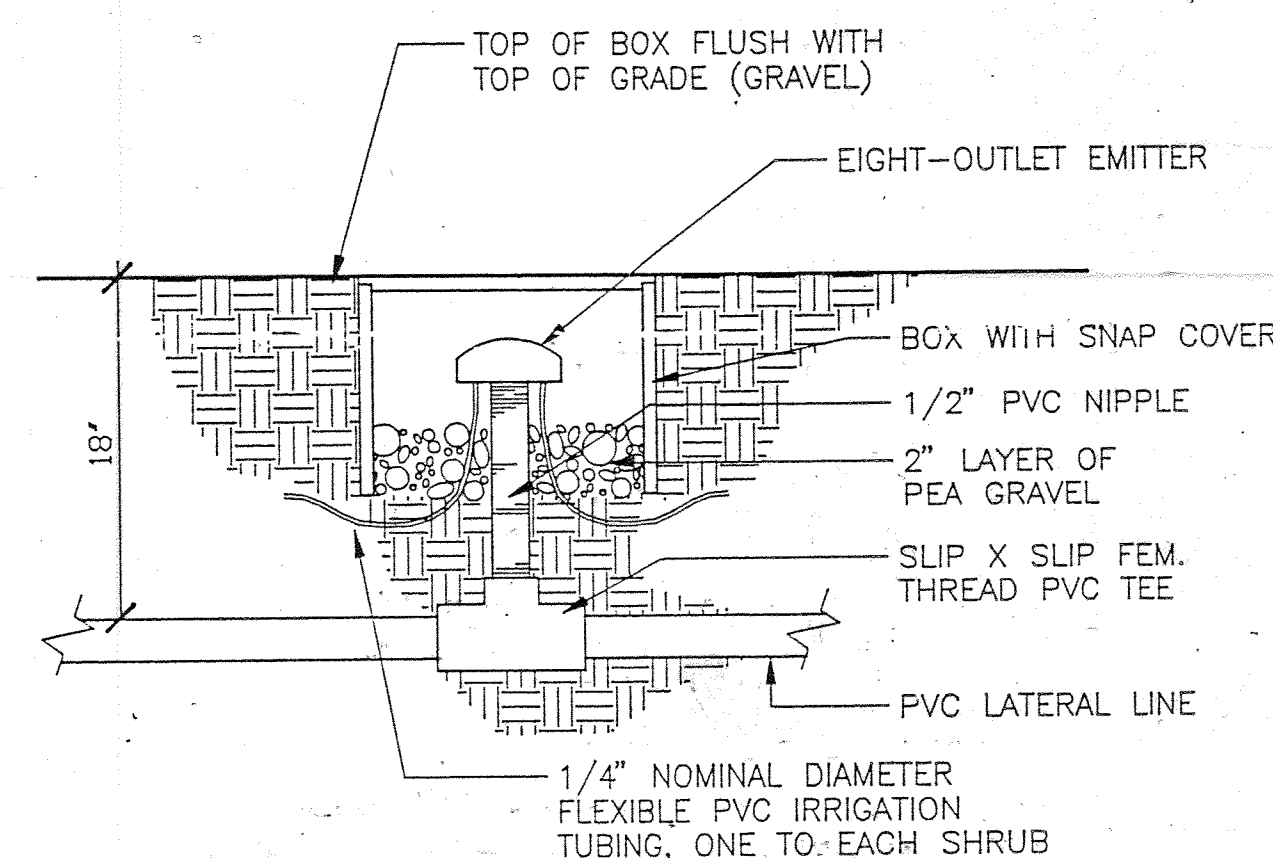
PERMANENT BACKSTOP PLAN



PERMANENT BACKSTOP PLAN



PLAYERS BENCH



MULTI-OUTLET EMITTER



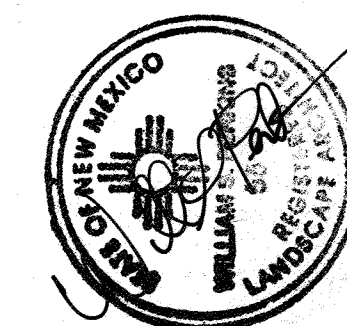
HOME PLATE



- ① INSTALL PERMANENT BACKSTOP FOR T-BALL FIELD. SEE DETAIL 2, SHEET 12. PATTERSON WILLIAMS MODEL NO. 1203-12.
- ② INSTALL 18" EDGER WITH 8' FENCE. SEE DETAIL 1, SHEET 13.
- ③ INSTALL 12" EDGER WITH 8' FENCE. SEE DETAIL 2, SHEET 13.
- ④ INSTALL BENCHES. SEE DETAIL 5, SHEET 12. WABASH VALLEY S557, COLOR: BLACK FRAME WITH BLUE SEATS. QUANTITY: 4.
- ⑤ STABILIZED CRUSHER FINES. SEE DETAIL 8, SHEET 13.
- ⑥ EXISTING SIDEWALK.
- ⑦ CONCRETE MOW CURB. SEE PLAN FOR WIDTH.

T-BALL FIELD LAYOUT

SCALE: 1" = 20'-0"

[illegible][illegible]

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: MARIPOSA BASIN PHASE IIIA
SITE DETAILS: FENCING, BENCH, HOMEPLATE

DESIGNWORKSHOP

9621 4TH STREET NW
Albuquerque, NM
87114

(Tel.) 505.890.1815
(Fax) 505.890.1817

City Engineer Approve

AUG 16 1966

CITY ENGINEER

ant Design / Update

City Project No.
5073.91

Zone Map No.

Sheet	-	Of	13
-------	---	----	----

