

# CONSTRUCTION DOCUMENTS

## CLASS II CONSTRUCTION

# MULTI-PURPOSE RECREATION FIELD IMPROVEMENTS AT COCHITI ELEMENTARY SCHOOL

# INDEX OF DRAWINGS

SHEET NO.

1 OF 7

2 OF 7

3 OF 7

4 OF 7

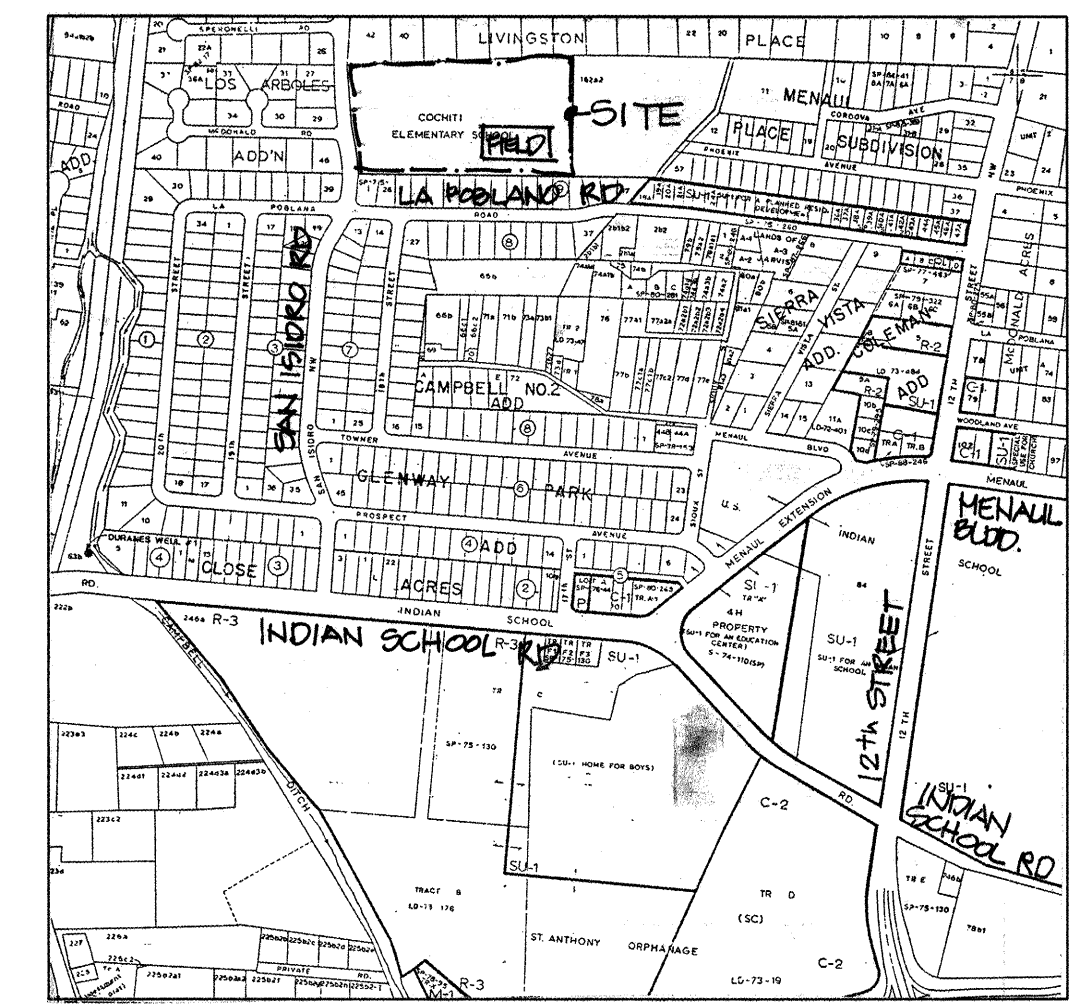
5 OF 7

6 OF 7

7 OF 7

APPROVED BY:

FOR ALBUQUERQUE PUBLIC SCHOOLS      DATE



VICINITY MAP: H-13-Z NTS

- ALL WORK TO BE IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS, 1986, EDITION (AS UPDATED WITH REVISION #6), OR PER ATTACHED SPECIFICATIONS (IF APPLICABLE).
- (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.
- 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.
- (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 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 857-8860 FOR REMOVAL AND REPLACEMENT OF TRAFFIC SIGNS.
- THE CONTRACTOR SHALL RETAIN AND 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 CITY SURVEY SECTION NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK, IN ORDER THAT THE CITY SURVEY SECTION MAY TAKE NECESSARY MEASUREMENTS TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEY SECTION AND SHALL NOTIFY THE CITY SURVEY SECTION 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.
- ANY WORK AFFECTING AN ARTERIAL ROADWAY REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.

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

LANDSCAPE ARCHITECTURE/PROJECT MANAGEMENT

(Fax) 505.890.1817

CIVIL ENGINEER


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CIVIL ENGINEERING

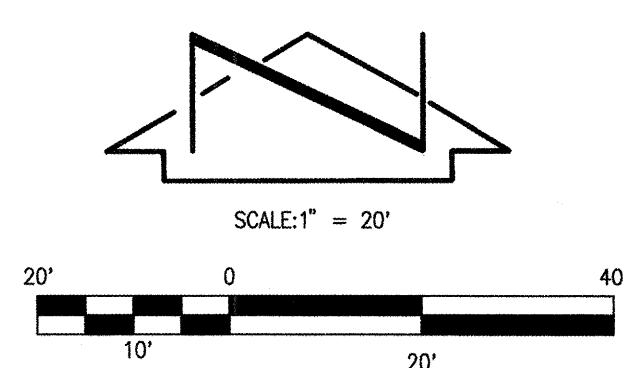
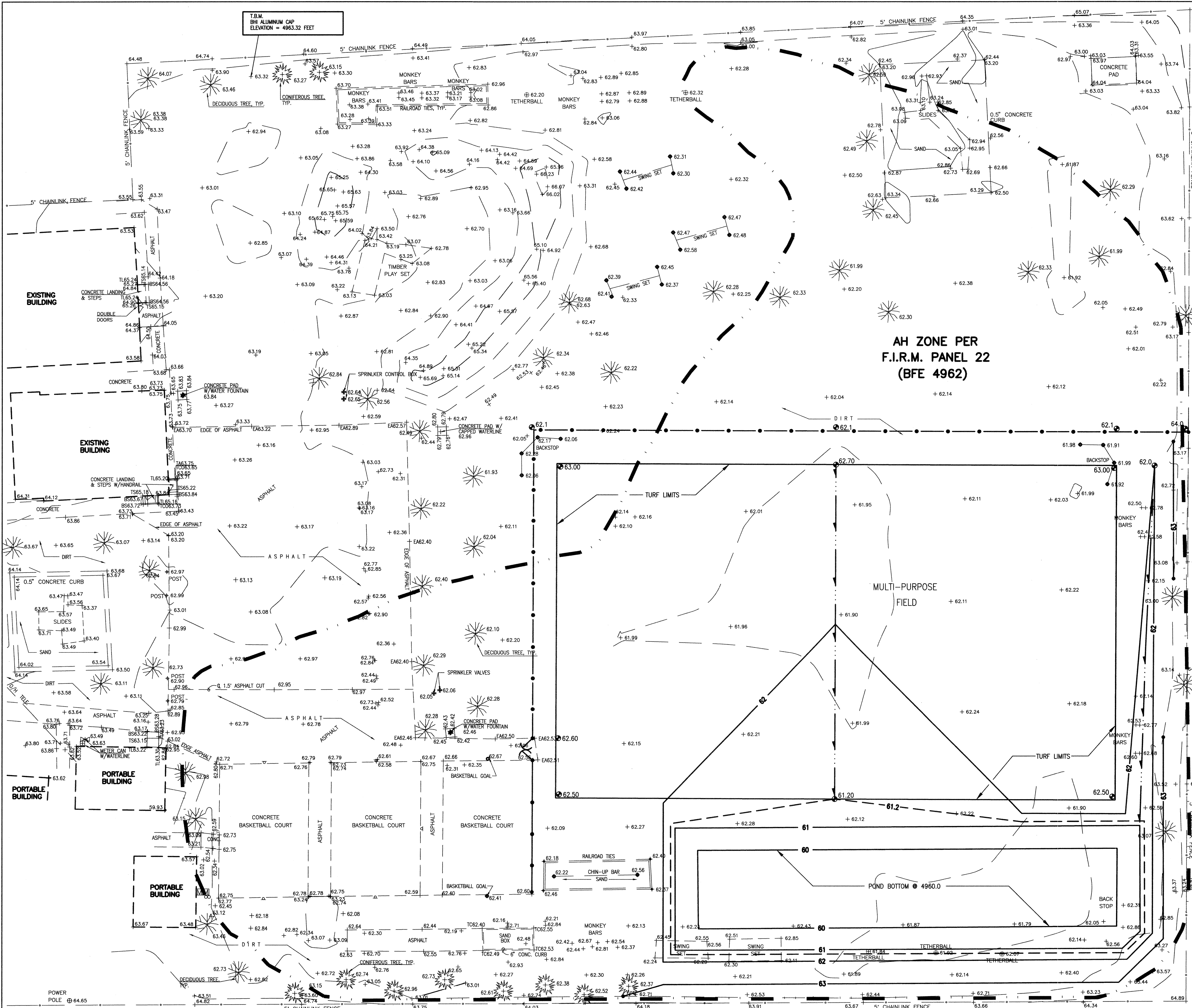
JEFF MORTENSEN & ASSOCIATES, INC.  
☐ 6010-B MIDWAY PARK BLVD. N.E.  
☐ ALBUQUERQUE ☐ NEW MEXICO 87109  
☐ ENGINEERS ☐ SURVEYORS (505) 345-4250

	5 OF 7	REVISED PERASBUILTS	11-4-96						
REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE		
LANDSCAPE ARCHITECT'S SEAL		APPROVALS	ENGINEER	DATE	*****				
		DCR Chairman	Billy G. Appleby	5-15-96	APPROVED FOR CONSTRUCTION				
		Transportation	Nick Sp	5-14-96					
		Water/Wastewater	Teresa L. Lee	5-14-96					
		Hydrology	Colin Monte	5-15-96					
		Parks	Evan Elmer	5-14-96					
		Constr. Mngmt.							
		City Project Number			Sheet      OF 1                  7				
		5349.90							




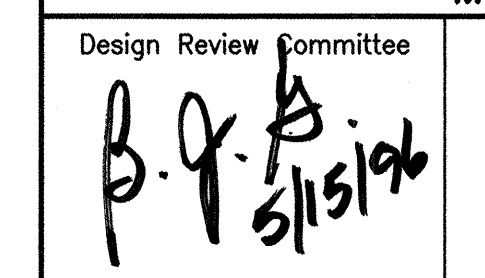
SCALE: 1"=40'-0" CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: COCHITI MULTI-PURPOSE FIELD REMOVAL/LAYOUT PLAN			
Design Review Committee  5-15-96		City Engineer Approval Lost Design Update	
		Mo./Day/Yr. _____ _____ _____ _____	
City Project No. 5349.90		Zone Map No. H-13-Z	
		Sheet 2 Of 7	





**LEGAL DESCRIPTION**  
EAST PORTION OF COCHITI ELEMENTARY SCHOOL  
T.B.M. = PROJECT BENCHMARK  
BHI ALUMINUM CAP  
ELEVATION = 4963.32 FEET

- LEGEND**
- EXISTING CONTOUR
  - 63.25+ EXISTING SPOT ELEVATION
  - TC TOP OF CURB
  - EA EDGE OF ASPHALT
  - TR TOP OF RAMP
  - BR BOTTOM OF RAMP
  - TL TOP OF LANDING
  - TS TOP STEP
  - BS BOTTOM STEP
  - TCO TOP OF CONCRETE
  - CONFEROUS TREE
  - DECIDUOUS TREE
  - PROPOSED CONTOUR
  - PROPOSED FENCE
  - FLOOD PLAIN LIMIT
  - PROPOSED FLOW DIRECTION
  - BFE BASE FLOOD ELEVATION

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REMARKS		DESIGN	
CONTRACTOR	DATE	SPOT	DATE	NO.	BY	NO.	DATE	NO.	DATE	NO.	DATE
A BOHANNON HUSTON ALUMINUM CAP AS SHOWN ON THE DRAWING.	3/96	ELEVATION = 4963.32 FEET	J.M.A.	960072	J.M.A.						
<div></div>											
FOR INFORMATION ONLY											
CITY OF ALBUQUERQUE PARKS AND GENERAL SERVICES DESIGN & DEVELOPMENT DIVISION											
TITLE: GRADING PLAN COCHITI ELEMENTARY SCHOOL MULTI-PURPOSE FIELD											
Design Review Committee				City Engineer Approval				Last Design Update			
											
City Project No. 5349.90				Zone Map No. G13/H13				Sheet 34 of 741			



DRAINAGE PLAN

The following items concerning the Cochiti Elementary School Multi-Purpose Field Drainage Plan are contained hereon:

1. Vicinity Map
2. F.I.R.M. Panel
3. Grading Plan
4. Calculations

As shown by the Vicinity Map, the site is located on the east side of San Isidro N.W., between Los Poblanos Road N.W. and Los Arboles Avenue N.W. At present, the site is an existing elementary school. The site is largely developed, making any improvements a modification to an existing site within an infill area.

As shown by the Floodplain Map, the easterly portion of the site lies within a designated flood hazard zone. Runoff which is generated by the easterly portion of the site is contained within the playground area which bears an AH zone designation with an associated base flood elevation of 4962. None of the onsite buildings lie within this designated flood hazard zone. The flood hazard zone impacts the playground only.

A Comprehensive Drainage Plan has been prepared for the entire school site. That plan identifies the contributing watershed, as well as criteria for the development of this site with a multi-purpose field. All improvements proposed under this plan lie within Basin A, as identified in that Comprehensive Drainage Plan.

The Grading Plan shows: 1) existing and proposed grades indicated by spot elevations and contours at 1'0" intervals, 2) the limit and character of the existing improvements, 3) the limit and character of the proposed field and 4) continuity between existing and proposed grades. This plan includes only the easterly portion of the site which contains the new field. In order to review the entire site, refer to the above referenced Comprehensive Plan.

As shown by the Grading Plan, a multi-purpose field will be located at the southeast corner of the site within the existing playground area. This field will replace Land Treatment "C" with Land Treatment "B". The field will be graded with a gradual slope to the south to a compensatory pond intended to contain nuisance flows. This pond is more fully described in the above referenced Comprehensive Plan. The volume of ponding on the site has been maintained so as not to exceed the 10-day volume. In doing so, the existing floodplain which lies within the playground area will not be shifted onto adjacent properties.

The Calculations which appear hereon analyze both the existing and developed conditions for the 100-year, 6-hour rainfall event. These Calculations have been limited to Basin "A". The Procedure for 40-acre and Smaller Basins, as set forth in the Revision of Section 22.2, Hydrology of the Development Process Manual, Volume 2, Design Criteria, dated January, 1993, has been used to quantify the peak rate of discharge and volume of runoff generated. As indicated by these calculations, the proposed improvements will result in a net decrease in runoff generated by this site. The grading scheme shown hereon is identical to that included in the Comprehensive Drainage Plan. The 10-day volume of runoff for the existing condition will be contained below Elevation 4962.6. The maximum water surface level for the site is approximately one foot higher, as indicated by the perimeter grades of the playground. In conclusion, the 100-year floodplain will be contained onsite and will not encroach beyond the site limits onto adjacent properties.

CALCULATIONS (Basin A)

Site Characteristics

1. Precipitation Zone = 2
2.  $P_{6,100} = P_{360} = 2.35$
3. Total Area ( $A_T$ ) = Basin A: 264,400 sf; 6.07 ac.
4. Existing Land Treatment

Treatment	Area (sf/ac)	%
C	177,400/4.07	67
D	87,000/2.0	33

5. Developed Land Treatment

Treatment	Area (sf/ac)	%
B	37,460/0.86	14
C	139,820/3.21	53
D	87,120/2.0	33

Existing Condition

1. Volume

$$E_W = (E_A A_A + E_B A_B + E_C A_C + E_D A_D) / A_T$$
$$E_W = (1.13)(4.07) + (2.12)(2.0) / 6.07 = 1.46 \text{ in.}$$
$$V_{100} = (E_W / 12) A_T$$
$$V_{100} = (1.46 / 12) 6.07 = 0.7385 \text{ ac.ft.} = 32,170 \text{ cf}$$
$$V_{10 \text{ Days}} = V_{100} + A_D * [(P_{10 \text{ Days}} - P_{360}) / 12]$$
$$V_{10 \text{ Days}} = 0.7385 + 2.0 * [(3.95 - 2.35) / 12] = 1.0051 \text{ ac.ft.}$$

2. Peak Discharge

$$Q_p = Q_{PA} A_A + Q_{PB} A_B + Q_{PC} A_C + Q_{PD} A_D$$
$$Q_p = Q_{100} = (3.14)(4.07) + (4.70)(2.0) = 22.18 \text{ cfs}$$

Developed Condition

1. Volume

$$E_W = (E_A A_A + E_B A_B + E_C A_C + E_D A_D) / A_T$$
$$E_W = (0.78)(0.86) + (1.13)(3.21) + (2.12)(2.0) / 6.07 = 1.41"$$
$$V_{100} = (E_W / 12) A_T$$
$$V_{100} = (1.41 / 12) 6.07 = 0.7132 \text{ ac.ft.} = 31,070 \text{ cf}$$

2. Peak Discharge

$$Q_p = Q_{PA} A_A + Q_{PB} A_B + Q_{PC} A_C + Q_{PD} A_D$$
$$Q_p = Q_{100} = (2.28)(0.86) + (3.14)(3.21) + (4.70)(2.0) = 21.44 \text{ cfs}$$

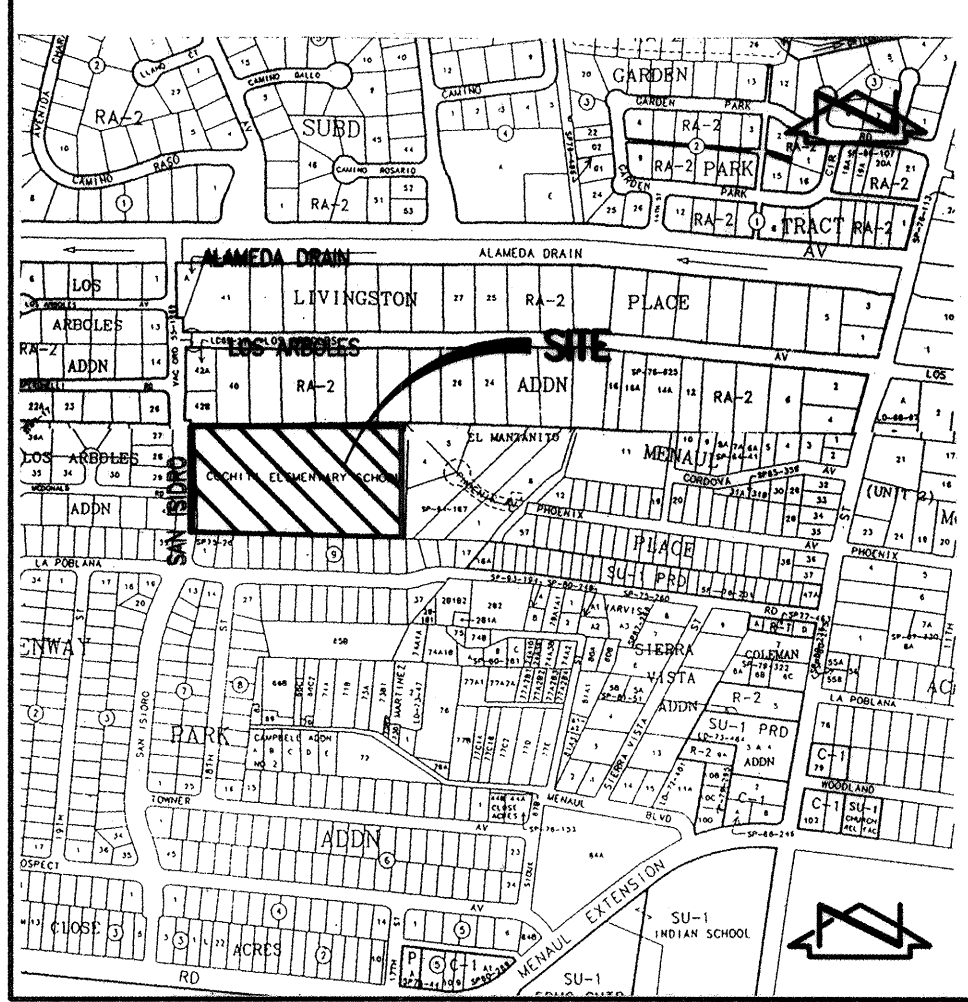
Comparison

1.  $\Delta V_{100} = (32,170 - 31,070) = 1,100 \text{ cf (decrease)}$
2.  $\Delta Q_{100} = (22.18 - 21.44) = 0.74 \text{ cfs (decrease)}$



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

PANEL 22 OF 50



VICINITY MAP  
SCALE: 1" = 750'±

G13/H13

GENERAL 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 NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION - 1987, PUBLISHED BY THE NEW MEXICO CHAPTER AMERICAN PUBLIC WORKS ASSOCIATION.
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 A 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 SCHOOL FACILITIES 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. THIS CAN BE ACHIEVED BY CONSTRUCTING AND MAINTAINING TEMPORARY BERMS AT THE PROPERTY LINES AND WETTING THE SOIL TO KEEP IT FROM BLOWING.
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. CAUTION: THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR.

FOR INFORMATION ONLY



JEFF MORTENSEN & ASSOCIATES, INC.  
6009-B MIDWAY PARK BLVD. N.E.  
ALBUQUERQUE, N.M. 87109  
ENGINEERS & SURVEYORS (505) 345-4280

960073

CITY OF ALBUQUERQUE PARKS AND GENERAL SERVICES DESIGN & DEVELOPMENT DIVISION			
TITLE: <b>DRAINAGE PLAN COCHITI ELEMENTARY SCHOOL MULTI-PURPOSE FIELD</b>			
Design Review Committee	City Engineer Approval	Mr. [Signature] / Mr. [Signature]	
	Last Design Update	Date 03-96	
		Date 03-96	
		Date 03-96	
		Date 03-96	
City Project No.	Zone Map No.	Sheet	Of
	G13/H13	45	741

CONTRACTOR		DATE	
INSURANCE		DATE	
FIELD VERIFICATION BY		DATE	
CORRECTED BY		DATE	
RECORDED BY		DATE	
NO.			
BENCH MARKS		DATE	
A BOHANNON HUSTON ALUMINUM CAP AS SHOWN ON THE GRADING PLAN (SHEET 4).		ELEVATION = 4963.32 FEET	
NO.		DATE	
BY		DATE	
J.M.A.		3/96	
NO.		DATE	
960072			
NO.		DATE	
ENGINEER'S SEAL		65-1496	
REMARKS		BY	
Revisions		Date	
DESIGN		Date	
J.G.M.		Date	
S.G.H./T.M.T.		Date	
J.G.M.		Date	

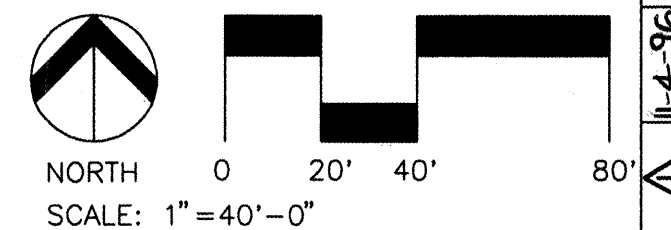


[illegible]

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

EXISTING WATER PRESSURE IS 95 PSI. VERIFY PRIOR TO CONSTRUCTION.

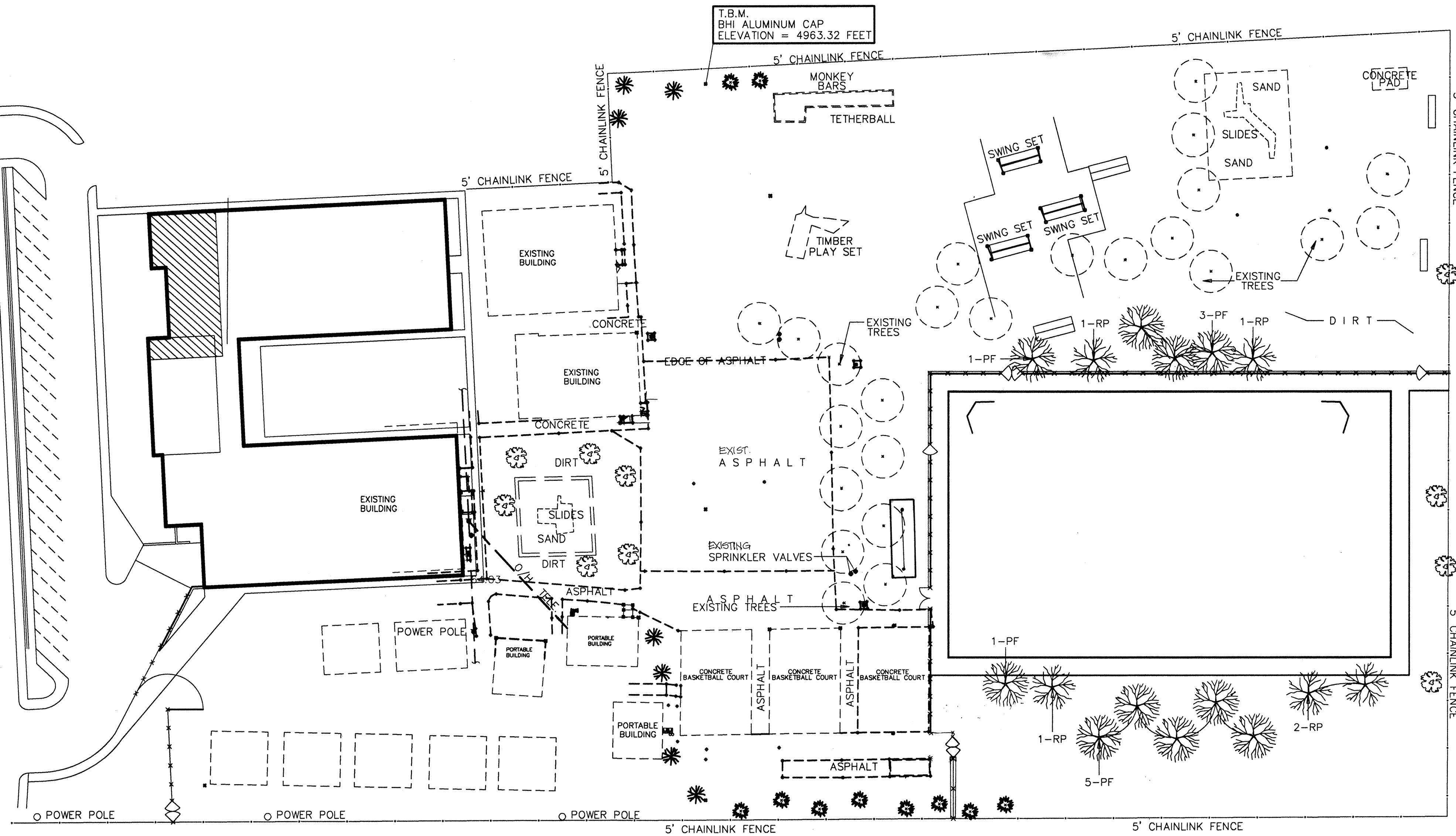
**DESIGNWORKSHOP**  
9621 4TH STREET NW  
Albuquerque, NM 87114  
(Tel.) 505.890.1815  
(Fax) 505.890.1817



FOR INFORMATION ONLY

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP															
TITLE: <span style="font-size: 1.2em; font-weight: bold;">COCHITI MULTI-PURPOSE FIELD IRRIGATION PLAN</span>															
Design Review Committee  <div style="font-size: 1.5em; font-weight: bold; text-align: center;">                     B. G. S.                      5/15/96                 </div>	City Engineer Approval	Last Design Update	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center; padding: 2px;">Mo./Day/Yr.</td> <td style="width: 50%; text-align: center; padding: 2px;">Mo./Day/Yr.</td> </tr> <tr><td style="height: 20px;"></td><td></td></tr> <tr><td style="height: 20px;"></td><td></td></tr> <tr><td style="height: 20px;"></td><td></td></tr> <tr><td style="height: 20px;"></td><td></td></tr> <tr><td style="height: 20px;"></td><td></td></tr> </table>	Mo./Day/Yr.	Mo./Day/Yr.										
Mo./Day/Yr.	Mo./Day/Yr.														
City Project No. <span style="font-size: 1.2em; font-weight: bold;">5349.90</span>	Zone Map No. <span style="font-size: 1.2em; font-weight: bold;">H-13-Z</span>	Sheet <span style="font-size: 1.5em; font-weight: bold;">5</span> Of <span style="font-size: 1.5em; font-weight: bold;">7</span>													

SAN ISIDRO STREET NW

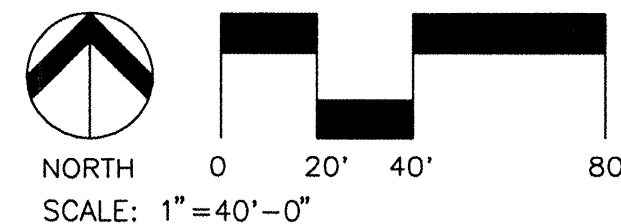


COCHITI ELEMENTARY SCHOOL MULTI-PURPOSE FIELD

PLANTING SCHEDULE					
QTY	SYM	BOTANICAL NAME COMMON NAME	SIZE	COND.	DETAIL
5	RB	ROBINA PSEUDOACACIA 'PURPLE ROBE' PURPLE ROBE LOCUST	2 1/2" CAL	B & B	COA STD. DWG. 2714
13	PF	POPULUS FREMONTII 'WISLIZENI' VALLEY COTTONWOOD	3" CAL	B & B	COA STD. DWG. 2714
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

FOR INFORMATION ONLY

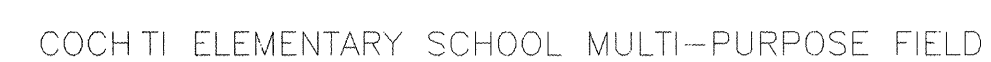
DESIGNWORKSHOP  
9621 4TH STREET NW  
Albuquerque, NM  
87114  
(Tel.) 505.890.1815  
(Fax) 505.890.1817



LANDSCAPE ARCHITECT'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
		NO.	DATE			CONTRACTOR	DATE
		BY	DATE			WORK STAGED BY	DATE
		REMARKS	BY			FIELD LOCATION BY	DATE
		DESIGNED BY	DATE			DRAMING BY	DATE
		DRAWN BY	DATE			CHECKED BY	DATE
		CHECKED BY	DATE			RECORDED BY	DATE
						NO.	

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: COCHITI MULTI-PURPOSE FIELD PLANTING PLAN			
Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
City Project No.	Zone Map No.	Sheet	Of
5349.90	H-13-Z	6	7





SCALE: 1" = 40'-0"



NOT TO SCALE

1. MOTOROLA IRRIGATION COMMUNICATIONS CONTROLLER.  
FURNISHED AND INSTALLED BY GENERAL CONTRACTOR,  
CONNECTED BY ELECTRICAL CONTRACTOR. PROVIDE POWER  
AND FLOW METER PULSE CONNECTIONS AND TERMINATIONS.
2. HOT BOX FOR BACKFLOW PREVENTOR.
3. METERING PEDESTAL, 100 AMP, 120/240 VOLT, SINGLE PHASE  
PER PNM DRAWING #DS-19-84.0. INSTALL IN CONCRETE BASE  
AS REQUIRED. MIDWEST #M102CBOP6HP OR EQUAL.  
FURNISH WITH 3 - 20 AMP, 1 POLE CIRCUIT BREAKERS.
4. 3/4" CONDUIT WITH 3-#10 THWN. EACH CONDUIT AND CIRCUIT  
SHALL CONNECT TO A DEDICATED CIRCUIT BREAKER.
5. 2" PVC SCHEDULE 40 CONDUIT WITH 3-#2 THWN COPPER PER  
PNM DRAWING #DS-4-10.0. MINIMUM BURY 36" BELOW GRADE.
6. EXISTING PNM POWER POLE. EXTEND RISER UP POLE PER  
PNM DRAWING #DS-4-10.0.
7. 2" WEATHERHEAD WITH 36" OF CONDUCTORS FOR  
TERMINATION.
8. PROVIDE STAND-OFF BRACKETS PER PNM REQUIREMENTS.
9. 2" GALVANIZED STEEL RISER CONDUIT WITH 3-#2 THWN  
COPPER.
10. 5/8" X 8'-0" GROUND ROD WITH #6 BSD COPPER UP TO  
GROUND TERMINATION IN METER PEDESTAL PER PNM AND  
NEC REQUIREMENTS.
11. PROVIDE DUPLEX RECEPTACLE IN CAST "BELL" BOX WITH  
TAYMAC WEATHERPROOF COVER FOR HEAT TAPE. HEAT TAPE  
SHALL BE FURNISHED AND INSTALLED BY GENERAL  
CONTRACTOR.

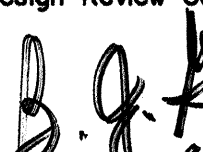


**DESIGNWORKSHOP**  
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87114  
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FOR INFORMATION ONLY



NORTH 0 2  
SCALE: 1"=40'-0"

SCALE: 1"=40'-0"									
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP									
TITLE: COCHITI MULTI-PURPOSE FIELD ELECTRICAL SITE PLAN									
Design Review Committee		City Engineer Approval		Last Design Update	Mo./Day/Yr.		Mo./Day/Yr.		
 5/15/96									
City Project No.		5349.90		Zone Map No. H-13		Sheet 7		Of 7	