

The map is a detailed plat map of the Valley Apartments Survey Plat. It shows a grid of streets including P St, N St, and E St. The proposed site for the Indian School is highlighted with a dashed line and labeled 'SITE'. The site is located between P St and N St, and between E St and the Indian School. The map also shows the St. Anthony Orphanage and the St. Anthony Home for Boys. The Indian School is shown as a large rectangular area. The map includes various lot numbers and street names. The proposed site is located on the corner of P St and N St. The map is a black and white line drawing.

- 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 WITH PLANS REFLECTORIZED PAVEMENT MARKINGS BY CONTRACTOR TO EXISTING LOCATIONS 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.

AS-BUILT

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

# CONSTRUCTION DOCUMENTS

## CLASS II CONSTRUCTION

**KROGH PARK**  
PARKS AND GENERAL SERVICES DEPARTMENT

TITLE

## COVER SHEET

1 OF 8

DEMOLITION PLAN

2 OF 8

## GRADING AND DRAINAGE PLAN

3 OF 8

## LAYOUT PLAN

4 OF 8

## LAYOUT DETAILS

5 OF 8

# ELECTRICAL PLAN

6 OF 8

IRRIGATION PLAN

7 OF 8

## PLANTING PLAN

8 OF 8

## PLAY AREA PLAN AND DETAILS

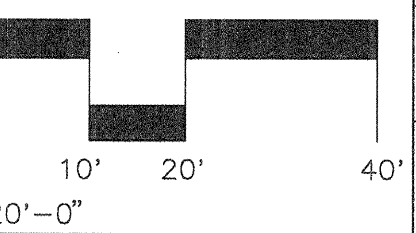
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SET NUMBER: \_\_\_\_\_



- ### LEGEND

## DESIGN WORKSHOP



AS-BUILT

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DEVELOPMENT GROUP

TITLE: KROGH PARK  
DEMOLITION PLAN



City Engineer Approval

## Product Design Update

Mo./Day/Yr

Mo./Day/Yr. \_\_\_\_\_

City Project No.

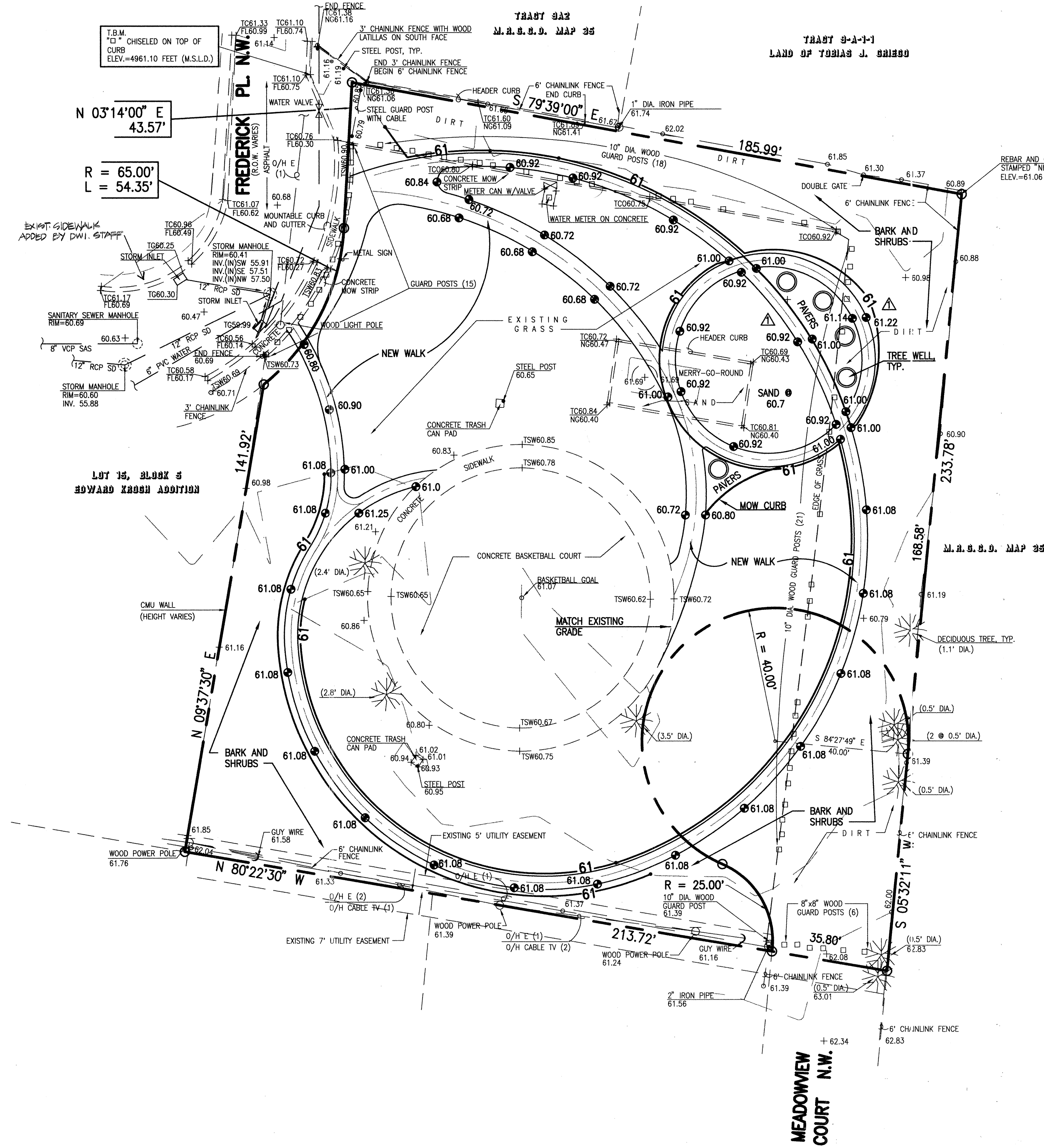
5222-08

ne Map No.  
H-13-Z

Sheet **1** Of **8**

[illegible]





#### LEGEND

- TC FL
- TSW
- O/H E (2)
- O/H CABLE TV (3)
- (1.2" DIA.)
- +60.65
- EXISTING DECIDUOUS TREE
- PROPOSED SPOT ELEVATION
- DIRECTION OF FLOW
- PROPOSED CONTOUR

#### DRAINAGE PLAN

The following items concerning the Krogh Park Drainage Plan are contained herein:

- Vicinity Map
- Grading Plan
- Calculations

As shown by the Vicinity Map, the site is located at the southeast corner of Frederick Place N.W., within the Edward Krogh Addition. The site is more particularly described as Edward Krogh Park. At present, the site is developed as a City park.

As shown by Panel 331 of 825 of the National Flood Insurance Program Flood Insurance Rate Maps published by F.E.M.A. for the County of Bernalillo, New Mexico dated September 20, 1996, this site does not lie within a Special Flood Hazard Area. The site and much of the surrounding area is extremely flat which is characteristic of the Near North Valley. The site lacks well defined drainage which is consistent with the flatness of the site.

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 improvements, and 4) continuity between existing and proposed grades. At present, the site is developed as a City park. The proposed improvements consist of additional landscaping and paved walkways. It is the intent of the project to disturb the existing terrain as little as possible. The increase in runoff due to the new paving will be offset by the additional landscape surfaces created. Nuisance flows generated by the new walkways will be directed toward the center of the site into the existing lawn area. This will prevent the discharge of developed runoff and concentrated flows onto neighboring properties. This will also serve to keep the project within the construction budget. This is a renovation, not reconstruction, project. In essence, the minor modifications to this infill site are consistent with a flat grading scheme which is suited to "Valley" sites. The flat grading scheme is also consistent with the existing drainage patterns of the site.

The Calculations which appear hereon assume both the existing and developed conditions for the 100-year, 6-hour rainfall event. 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 shown by these calculations, the increase in runoff due to the proposed improvements is negligible. The increase attributed to the creation of additional impervious area is offset by the creation of additional landscaped surface.

#### CALCULATIONS

##### Site Characteristics

- Precipitation Zone = 2
- $P_{6,100} = P_{360} = 2.35$  in.
- Total Area ( $A_T$ ) = 67,300 sf/1.54 ac
- Existing Land Treatment
  - Area (sf/ac)
  - %
  - A 1,200/0.03 02
  - B 41,280/0.95 61
  - C 15,400/0.35 23
  - D 9,420/0.21 14
- Developed Land Treatment
  - Area (sf/ac)
  - %
  - A 2,450/0.06 04
  - B 48,000/1.10 71
  - D 16,850/0.38 25

##### Existing Condition

###### 1. Volume

$$E_W = (E_A A_A + E_B A_B + E_C A_C + E_D A_D) / A_T$$
$$E_W = (0.53)(0.03) + (0.78)(0.95) + (1.13)(0.35) + (2.12)(0.21) / 1.54 = 1.04 \text{ in.}$$

$$V_{100} = (E_W / 12) A_T$$

$$V_{100} = (1.04 / 12) 1.54 = 0.13 \text{ ac-ft.; } 5,663 \text{ cf}$$

###### 2. Peak Discharge

$$Q_p = Q_{PA} A_A + Q_{PB} A_B + Q_{PC} A_C + Q_{PD} A_D$$
$$Q_p = Q_{100} = (1.56)(0.03) + (2.28)(0.95) + (3.14)(0.35) + (4.70)(0.21) = 4.30 \text{ cfs}$$

##### Developed Condition

###### 1. Volume

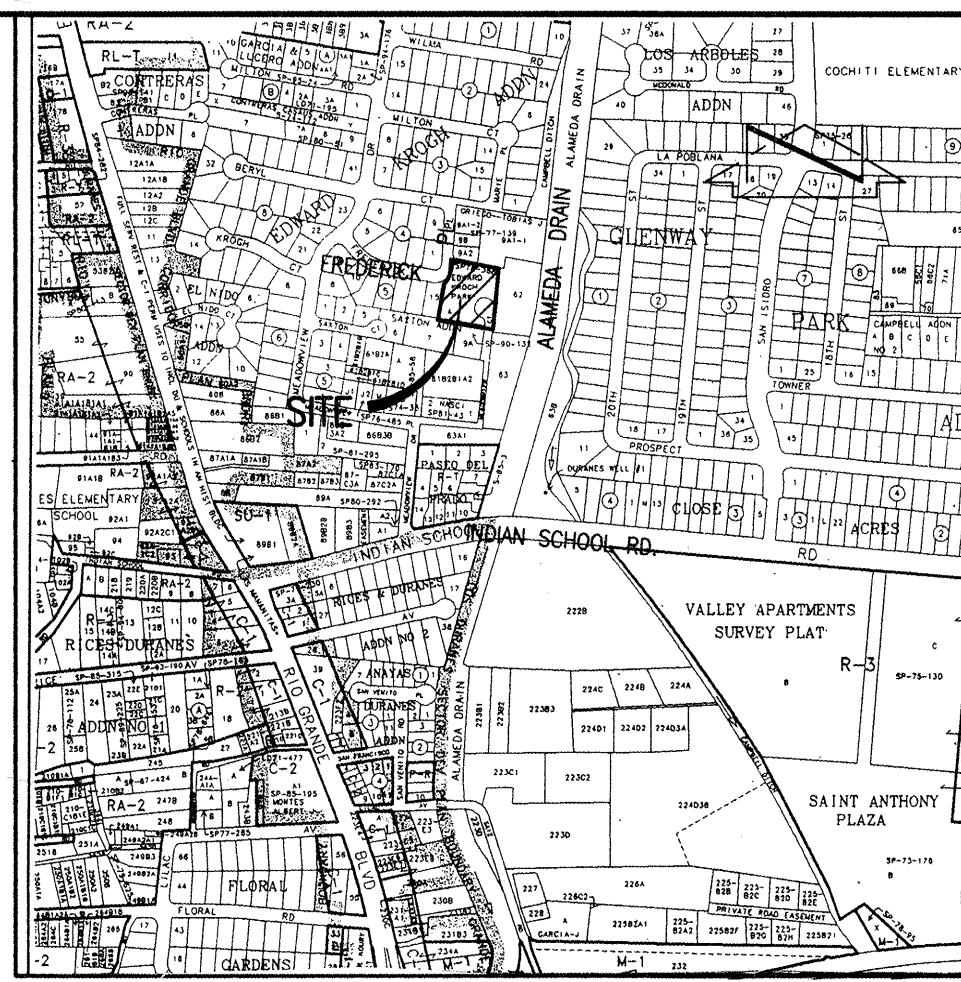
$$E_W = (E_A A_A + E_B A_B + E_C A_C + E_D A_D) / A_T$$
$$E_W = (0.53)(0.06) + (0.78)(1.10) + (2.12)(0.38) / 1.54 = 1.10 \text{ in.}$$
$$V_{100} = (E_W / 12) A_T$$
$$V_{100} = (1.10 / 12) 1.54 = 0.14 \text{ ac-ft.; } 6,100 \text{ cf}$$

###### 2. Peak Discharge

$$Q_p = Q_{PA} A_A + Q_{PB} A_B + Q_{PC} A_C + Q_{PD} A_D$$
$$Q_p = Q_{100} = (1.56)(0.06) + (2.28)(1.10) + (4.70)(0.38) = 4.39 \text{ cfs}$$

##### Comparison

- $\Delta V_{100} = 0.14 - 0.13 = 0.01 \text{ ac-ft.} = 437 \text{ cf (increase)}$
- $\Delta Q_{100} = 4.39 - 4.30 = 0.09 \text{ cfs (increase)}$



#### VICINITY MAP

SCALE: 1" = 750'

#### LEGAL DESCRIPTION

TRACT A, EDWARD KROGH PARK, FILED 7-6-1978, C13-141

#### Construction Notes:

- Two (2) working days prior to any excavation, contractor must contact New Mexico One Call System 260-1990 (Albuquerque Area), 1-800-321-ALERT(2537) (Statwide), for location of existing utilities.
- Prior to construction, the contractor shall excavate and verify the horizontal and vertical location of all potential obstructions. Should a conflict exist, the contractor shall notify the engineer in writing so that the conflict can be resolved with a minimum amount of delay.
- All work on this project shall be performed in accordance with applicable federal, state and local laws, rules and regulations concerning construction safety and health.
- All construction within public right-of-way shall be performed in accordance with applicable City of Albuquerque Standards and Procedures.
- 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 therefor. 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.
- The design of planters and landscaped areas is not part of this plan. All planters and landscaped areas adjacent to the building(s) shall be provided with positive drainage to avoid any ponding adjacent to the structure. For construction details, refer to landscaping plan.

#### Erosion Control Measures:

- The contractor shall ensure that no soil erodes from the site into public right-of-way or onto private property.
- 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.
- The contractor shall secure "Topsoil Disturbance Permit" prior to beginning construction.

#### NOTES:

- THIS IS NOT A BOUNDARY SURVEY. APPARENT PROPERTY CORNERS ARE SHOWN FOR ORIENTATION ONLY. BOUNDARY DATA SHOWN IS BASED UPON THE SURVEY PERFORMED BY LAMONTE J. URBAN AND FILED ON JULY 6, 1978; C13-141.
- A TOPOGRAPHIC SURVEY WAS PERFORMED BY JEFF MORTENSEN & ASSOCIATES ON JULY 11, 1996.
- WATER, SANITARY SEWER AND STORM DRAIN LINES ARE SHOWN IN AN APPROXIMATE MANNER ONLY. LOCATION AND SIZE DATA WAS TAKEN FROM CITY OF ALBUQUERQUE DISTRIBUTION MAPS.

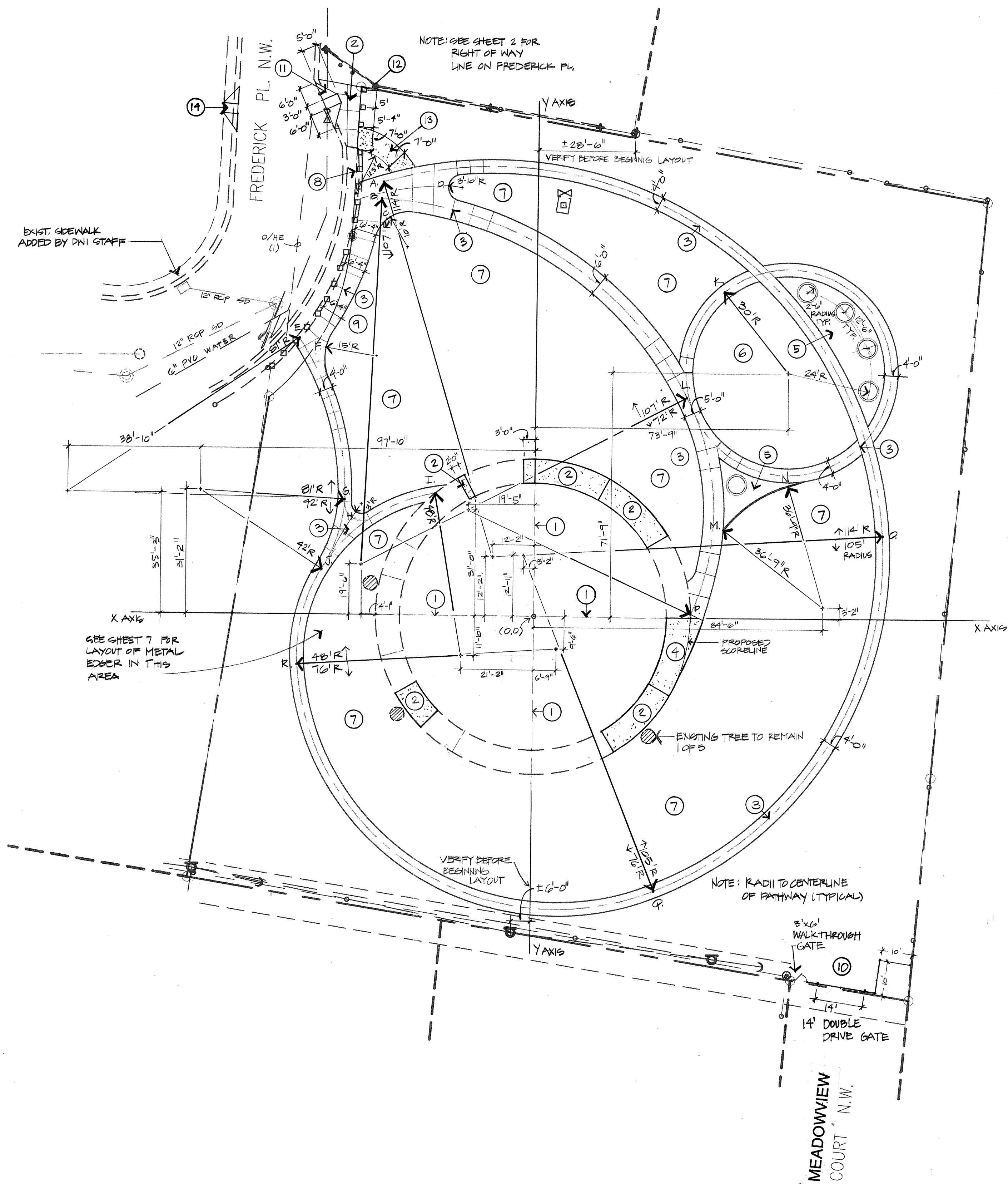
AS-BUILT



JEFF MORTENSEN & ASSOCIATES, INC.  
1000 N. MOUNTAIN PARK BLVD. N.E.  
ALBUQUERQUE, N.M. 87109  
ENGINEERS & SURVEYORS (CSD) 345-4290

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
TITLE: KROGH PARK GRADING AND DRAINAGE PLAN	
Design Review Committee APPROVED	City Engineer Approval
City Project No. 960812	Zone Map No. H-13
Sheet 2	Of 8





GENERAL NOTES

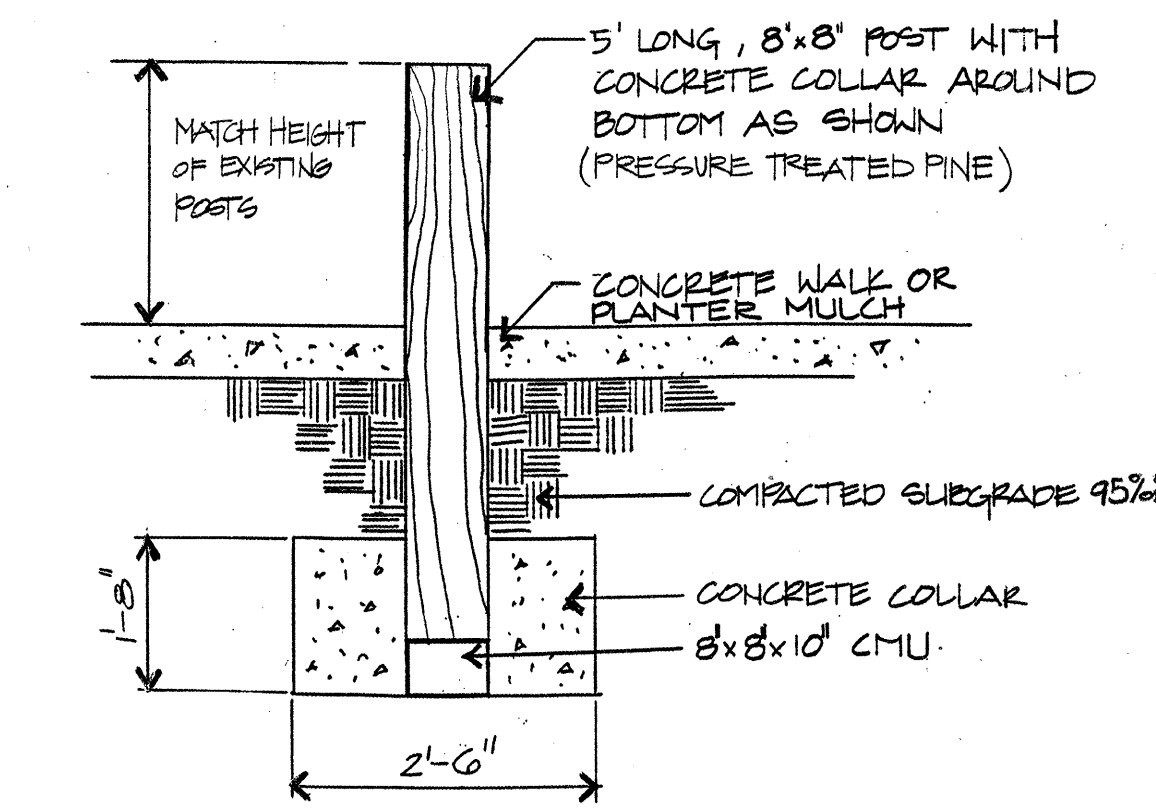
LAYOUT INFORMATION IS BASED ON DIMENSIONS SHOWN ON THE DRAWING AND ON AN X,Y AXIS COORDINATE SYSTEM. THE SYSTEM IS ORGANIZED WITH THE CENTER PART OF THE BASKETBALL COURT AS HAVING AN X,Y MEASUREMENT OF (0,0). NOTE THE NORTH-SOUTH EXPANSION JOINT OF THE COURT IS THE Y AXIS. THE EAST-WEST EXPANSION JOINT OF THE COURT IS THE X AXIS.

THE FOLLOWING POINTS ARE LOCATED PER THE X,Y COORDINATES:

- A. -45', 126'-6"
- B. -46', 121'6"
- C. -43'-6", 116'
- D. -26', 125'
- E. -69'-6", 80'-6"
- F. -61'-10", 78'
- G. -55'-10", 33'-9"
- H. -52'-6", 30'
- I. -29'-6", 35'-6"
- J. -62'-4"
- K. 55', 95'-2"
- L. 44'-6", 64'
- M. 33', 28'
- N. 74'-6", 38'-6"
- O. 102', 24'-4"
- P. 46', 12"
- Q. 35'-9", -79'-6"
- R. -69'-3", -14'-7"

KEYED NOTES

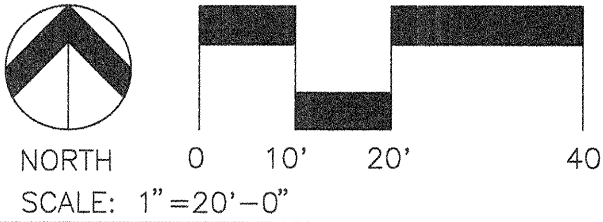
- 1 EXISTING CONCRETE EXPANSION JOINTS
- 2 REPLACE SECTION OF CONCRETE AT EXISTING SCORELINES UNLESS OTHERWISE NOTED. INSTALL PER CITY OF ALBUQUERQUE STANDARD DETAIL 2720.
- 3 INSTALL NEW CONCRETE SIDEWALK PER C.O.A. STANDARD DETAIL 2720. SEE PLAN FOR RECOMMENDED SCORELINE PATTERNS WHERE APPLICABLE. SCORELINE INTERVAL TO BE 4' ON CENTER FOR 4' WIDTH SIDEWALK AND 8' ON CENTER FOR 6' WIDTH WALK.
- 4 REPLACE THIS SECTION OF CONCRETE TO INCLUDE NEW CONCRETE AS SHOWN.
- 5 SEE SHEET 4 FOR LAYOUT OF PAVERS, BENCHES, TABLES, TRASH RECEPTACLES AND BAR-B-QUE GRILLS.
- 6 SEE SHEET 8 FOR LAYOUT OF PLAY STRUCTURE AND DETAILS.
- 7 RESTORE OR REPLACE GRASS LAWN, INFILL WITH SOD OR SEED AS REQUIRED.
- 8 STRAIGHTEN BOLLARDS AT STREET IF NECESSARY.
- 9 REINSTALL PARK SIGN IN THIS AREA.
- 10 INSTALL A 6' CHAINLINK FENCE WITH MAXIMUM POST SPACING AT 10' ON CENTER. SEE PLAN FOR GATE INFORMATION.  
INSTALL WITH KNUCKLED BELLAIR AT TOP AND BOTTOM OF FABRIC. INSTALL WITH TOP RAIL AND BOTTOM WIRE.
- 11 INSTALL HANDICAP RAMP PER CITY OF ALBUQUERQUE STANDARD DETAIL NO. 2441 AND MEASUREMENTS GIVEN.
- 12 INSTALL 3 BOLLARDS PER DETAIL 1/3
- 13 INSTALL 4" DEPTH OF STABILIZED SANTA ANA TAN CRUSHER FINES AS PATH FOR LAWN MOWER ACCESS. EDGER NOT REQUIRED.
- 14 INSTALL HANDICAP RAMP PER CITY OF ALB. STANDARD DETAIL NO. 2441. (ADDITIVE ALTERNATE # 2.)



1/3 BOLLARD DETAIL N.T.S.

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

AS-BUILT



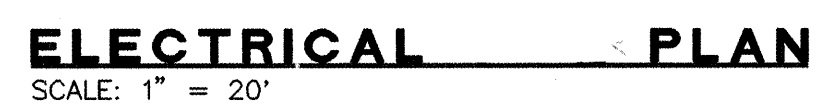
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
TITLE: KROGH PARK LAYOUT PLAN	
Design Review Committee APPROVE MAY - 1 1997 DESIGN REVIEW COMMITTEE	City Engineer Approval Mo./Day/Yr. Mo./Day/Yr.
City Project No. 5222-08	Zone Map No. H-13-Z
Sheet 3	Of 8

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		LANDSCAPE ARCHITECT'S SEAL	
CONTRACTOR CITY OF ALBUQ.	DATE 9/15/98	A STANDARD ACS BRASS TABLET STAMPED "7-413" SET FLUSH WITH THE ASPHALT PAVING AND LOCATED 50'± NORTH OF THE INTERSECTION OF INDIAN SCHOOL ROAD N.W. AND RIO GRANDE BLVD. ON THE WEST SIDE OF RIO GRANDE BLVD. N.W. ELEVATION = 4861.715 FEET (M.S.L.D.)		DATE	BY		
WORK STAMPED BY	DATE			NO.			
ACCEPTANCE BY	DATE						
FIELD DRAWINGS BY	DATE						
CORRECTED BY	DATE						
RECORDED BY	DATE						
NO.							

REMARKS	BY	DATE
REVISIONS		
DESIGN		
DESIGNED BY A.M.		DATE 1-97
DRAWN BY A.M.		DATE 1-97
CHECKED BY J.A.		DATE 1-97/3-17-97

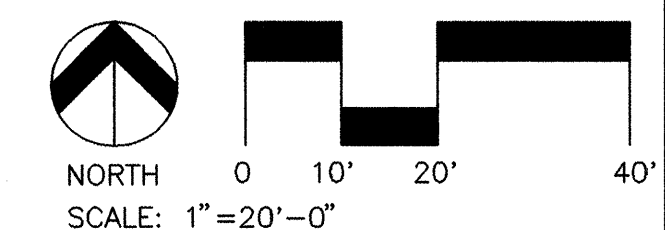






- NOTE: PNM CONTACT PERSON IS TONY MACHAC AVAILABLE AT: 241-3404

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



AS-BUILT



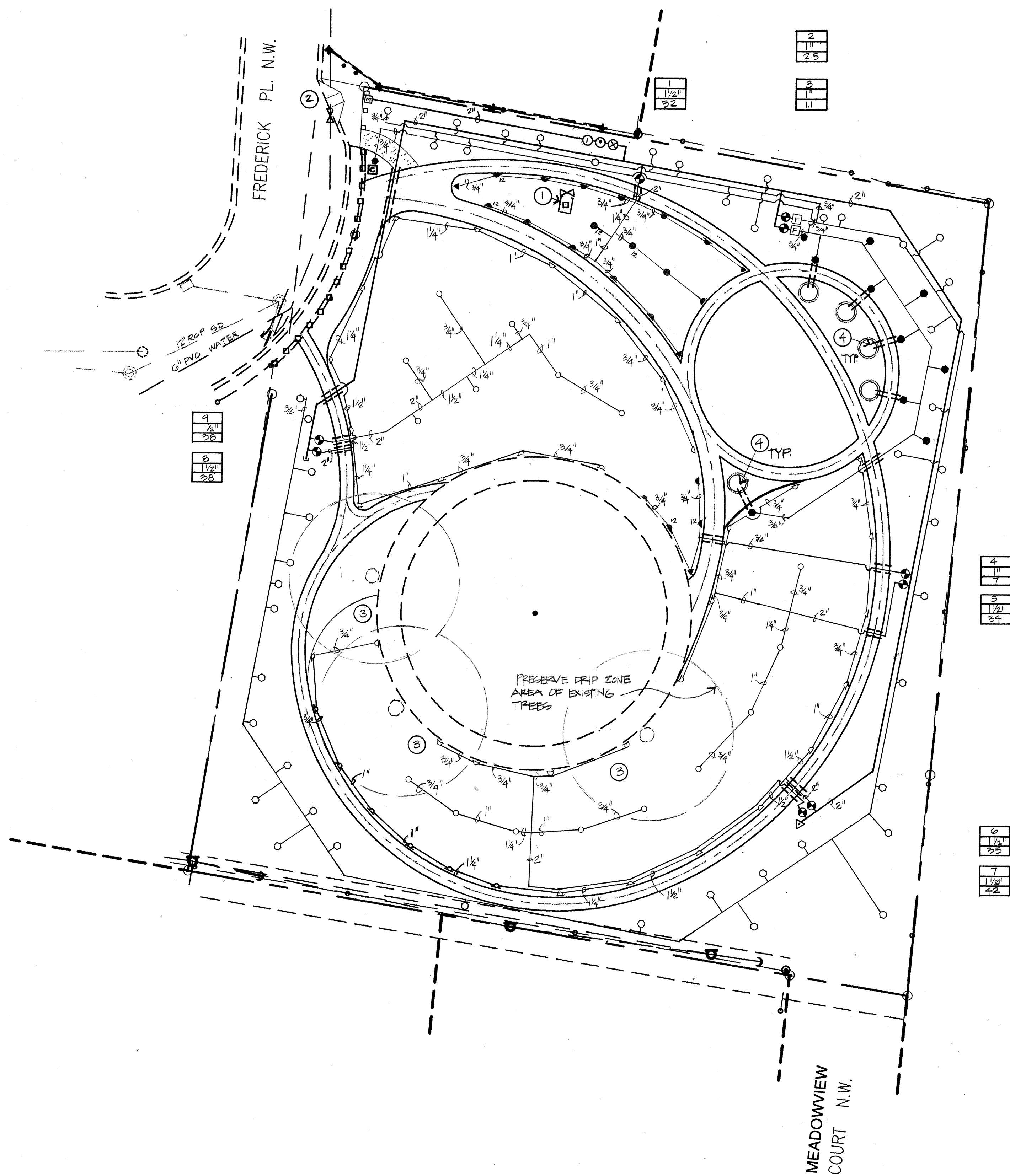
TITLE: KROGH PARK  
ELECTRICAL PLAN

Design Review Committee  
**APPROVED**  
MAY - 1 1997  
DESIGN  
REVIEW COMMITTEE

Last Design Update

Sheet **5** Of **8**





# IRRIGATION LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL NO.	DETAIL	NOTES
[C]	CONTROLLER-16 STATION	MOTOROLA	M58-25-S	CITY STD. 2367	
[M]	1 1/2" WATER SERVICE & METER BOX	MIR 5000 SCORPIO	WITH STAINLESS STEEL BOX		
[1]	IRRIGATION MAINLINE ISOLATION VALVE BOX WITH COVER & EXTENSIONS	BROOKS	1730B-P28-18	CITY STD. 2707	LID COLOR: GREY
[2]	REDUCED PRESSURE BACK FLOW PREVENTER IN INSULATED STEEL BOX	FEBCO	825YA 1 1/2"	CITY STD. 2701-A	SEE DETAILS FOR RELATED APPURTENANCES AND BOX
[3]	WATER PRESSURE REDUCING VALVE FLOW METER W/ MASTER VALVE BOX WITH LOCKING COVER & EXTENSIONS	WATTS	25 AUB 1 1/2"	CITY STD. 2701-A	AVAILABLE FROM PHOENIX MARKETING LTD. (883-7100), SET AT 70 P.S.I. EXTEND PULSE TRANSMISSION WIRES TO THE CONTROLLER-USE TWO BLUE WIRES
[4]	PLASTIC REMOTE CONTROL ZONE VALVE BALL VALVE & BOX W/ LOCKING COVER	RAINBIRD	PEB-PRS-S SERIES W/ BALL VALVE	CITY STD. 2703	SIZE AS INDICATED ON DRAWINGS-USE RED COLORED WIRES FOR ZONE VALVES, WHITE FOR COMMON
[5]	AIR RELIEF VALVE BOX W/ LOCKING COVER	BROOKS	1730B-P28-18	CITY STD. 2705	LID COLOR: GREY
[6]	GEAR DRIVEN ROTARY HEAD WITH LOCKING CAP	BERMAD	AV-150	CITY STD. 2709	SIZE TO MATCH BOX COLOR: GREY
[7]	SPRAY HEAD	TORO	304-00-15	CITY STD. 2709	ADJUST NOZZLE RADII AS NECESSARY TO AVOID OVERSPRAY ON TO ADJACENT PAVING.
[8]	REGULATOR	TORO	306-00-15		
[9]	IN LINE WYE FILTER	TORO	307-00-15		
[10]	IN BOX W/ LOCKING COVER	TORO	308-00-15		
[11]	MULTI-OUTLET EMITTER	TORO	309-00-15		
[12]	EMITTER	TORO	316-00-15		
[13]	VINYL TUBING	TORO			
[14]	BUG CAPS	TORO			
[15]	STAKES	TORO			
[16]	BOX	TORO			
[17]	VALVE NUMBER	TORO			
[18]	VALVE SIZE	TORO			
[19]	GALLONS PER MINUTE	TORO			

# Valve Schedule

Valve No.	Valve Size	Total GPM	Head type	Precip. Rate inches/hr	Run Time Minutes/Day	Inches/ Month May-Sept	Plant Material
MV	1 1/2"						
1	1 1/2"	32	Spray head Toro 570Z	1.5	9.2	7"	Turf
2	1"	2.5	Rainbird XB-05, XB-10				Shrubs
3	1"	1.1	Rainbird XB-10				Trees
4	1"	7	Spray head Toro 570Z	1.5	9.2	7"	Turf
5	1 1/2"	34	Rotary Toro 300	1.1	12.6	7"	Turf
6	1 1/2"	35	Rotary Toro 300	1.1	12.6	7"	Turf
7	1 1/2"	42	Rotary Toro 300	1.2	12.6	7"	Turf
8	1 1/2"	38	Rotary Toro 300	1.1	12.6	7"	Turf
9	1 1/2"	38	Rotary Toro 300	1.1	12.6	7"	Turf

# GENERAL NOTES

STATIC WATER PRESSURE AT THE METER IS APPROXIMATELY 95 P.S.I.

ALL IRRIGATION SYMBOLS ARE ILLUSTRATIVE. ADJUST LOCATIONS IN THE FIELD.

ALL IRRIGATION LINES BENEATH PAVING SHALL BE LOCATED WITHIN A PVC CLASS 200 SLEEVE. SLEEVE SIZE TO BE A MINIMUM OF 2 TIMES LARGER THAN IRRIGATION LINE. EXTEND SLEEVE A MINIMUM OF 12" BEYOND EDGE OF PAVING.

INSTALL 1 MULTI-OUTLET-EMITTER PER TREE IN A TREE WELL OR IN A MULCHED BED AREA. FOR TREE WELLS, RUN 3 EMITTERS TUBES THROUGH THE SLEEVE AND PLACE EMITTERS AROUND THE BASE OF THE TREE IN A TRIANGULAR FASHION ON TOP OF THE ROOT BALL ZONE.

INSTALL MARKING TAPE ON MAINLINE BETWEEN WATER METER AND BACK FLOW PREVENTER TAPE TO READ "DO NOT TAP THIS LINE" MESSAGE TO REPEAT EVERY 10'.

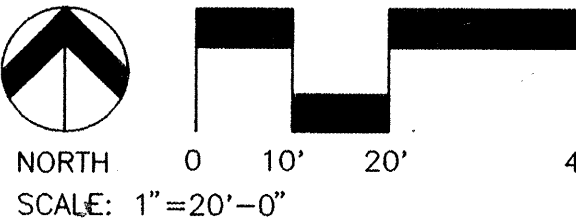
# KEYED NOTES

- CAP EXISTING WATER LINE, ABANDON AND REMOVE EXISTING WATER METER (ADDITIVE ALTERNATE #1)
- INSTALL (1) 1 1/2" WATER SERVICE AND METER BOX PER CITY OF ALBUQUERQUE STANDARD DRAWING NO. 2367 (FOR IRRIGATION USE). NEATLY SAWCUT, REMOVE, DISPOSE AND REPLACE EXISTING CONCRETE CURB AS REQUIRED. (ADDITIVE ALTERNATE #1)
- PRESERVE AND PROTECT EXISTING TREES. TRENCH RADIALLY WHEN TRENCHING NEAR COTTONWOODS, SEE SKETCH
- CAP THE ENDS OF THE IRRIGATION SLEEVES WITH BIO BARRIER FABRIC FOR TREE WELLS, 1 OF 5.

# DESIGNWORKSHOP

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

# AS-BUILT



CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
TITLE: <b>KROGH PARK IRRIGATION PLAN</b>	
City Project No. <b>5222-08</b>	Zone Map No. <b>H-13-Z</b>
Sheet <b>6</b>	Of <b>8</b>

AS-BUILT INFORMATION	CONTRACTOR: CITY OF ALBUQ.	DATE: 9/16/98
BENCH MARKS	PAVING AND LOCATED 80' NORTH OF THE INTERSECTION OF INDIAN SCHOOL ROAD N.W. AND RIO GRANDE BLVD. ON THE WEST SIDE OF RIO GRANDE BLVD. N.W.	DATE: 9/16/98
	ELEVATION = 4961.715 FEET (M.S.L.D.)	DATE: 9/16/98
	RECORDED BY: MGP	DATE: 9/16/98
	NO.	DATE:

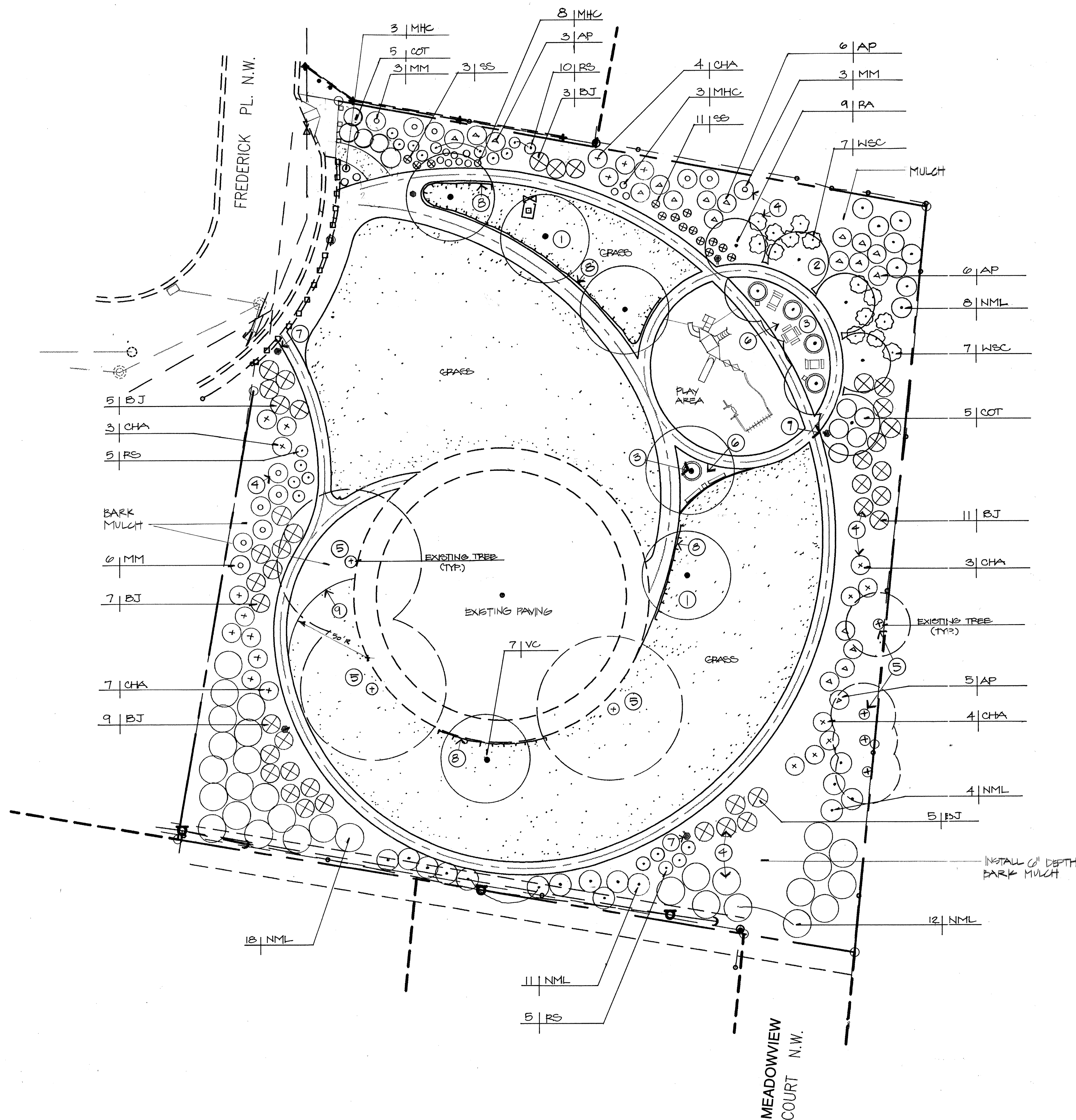
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[3]	WATER PRESSURE REDUCING VALVE FLOW METER W/ MASTER VALVE BOX WITH LOCKING COVER & EXTENSIONS	WATTS	25 AUB 1 1/2"	CITY STD. 2701-A	AVAILABLE FROM PHOENIX MARKETING LTD. (883-7100), SET AT 70 P.S.I. EXTEND PULSE TRANSMISSION WIRES TO THE CONTROLLER-USE TWO BLUE WIRES
[4]	PLASTIC REMOTE CONTROL ZONE VALVE BALL VALVE & BOX W/ LOCKING COVER	RAINBIRD	PEB-PRS-S SERIES W/ BALL VALVE	CITY STD. 2703	SIZE AS INDICATED ON DRAWINGS-USE RED COLORED WIRES FOR ZONE VALVES, WHITE FOR COMMON
[5]	AIR RELIEF VALVE BOX W/ LOCKING COVER	BROOKS	1730B-P28-18	CITY STD. 2705	LID COLOR: GREY
[6]	GEAR DRIVEN ROTARY HEAD WITH LOCKING CAP	BERMAD	AV-150	CITY STD. 2709	SIZE TO MATCH BOX COLOR: GREY
[7]	SPRAY HEAD	TORO	304-00-15	CITY STD. 2709	ADJUST NOZZLE RADII AS NECESSARY TO AVOID OVERSPRAY ON TO ADJACENT PAVING.
[8]	REGULATOR	TORO	306-00-15		
[9]	IN LINE WYE FILTER	TORO	307-00-15		
[10]	IN BOX W/ LOCKING COVER	TORO	308-00-15		
[11]	MULTI-OUTLET EMITTER	TORO	309-00-15		
[12]	EMITTER	TORO	316-00-15		
[13]	VINYL TUBING	TORO			
[14]	BUG CAPS	TORO			
[15]	STAKES	TORO			
[16]	BOX	TORO			
[17]	VALVE NUMBER	TORO			
[18]	VALVE SIZE	TORO			
[19]	GALLONS PER MINUTE	TORO			

DATE	DATE	DATE	DATE
NO.	BY	NO.	BY

LANDSCAPE ARCHITECT'S SEAL	REVISIONS
	DESIGN
	DATE 12-9-98
	DATE 1-9-99
	DATE 1-17-99

NO.	DATE	REMARKS	BY





PLANTING SCHEDULE

APPROX. QTY.	SYMBOL	COMMON NAME	BOTANICAL NAME	SIZE	MINIMUM SPACING	IRRIGATION NOTES
TREES:						
7	VC	Valley Cottonwood	Populus wislizenii	2"	32'-0" O.C.	3 Emitters/tree @ 1 GPH each
9	RA	Raywood Ash	Fraxinus oxycarpa	2"	12'-6" O.C.	3 Emitters/tree @ 1 GPH each
SHRUBS:						
20	AP	Apache Plume	Fallugia paradoxa	5 gal	6'-0" O.C.	1 emitter/shrub @ .5 GPH
40	BJ	Buffalo Juniper	Juniperus sabina 'Buffalo'	5 gal	6'-0" O.C.	2 emitters/shrub @ .5 GPH each
18	CHA	Chamisa	Chrysothamnus nauseosus	5 gal	6'-0" O.C.	1 emitter/shrub @ .5 GPH
10	COT	Cotoneaster	Cotoneaster dammeri	5 gal	7'-0" O.C.	1 emitter/shrub @ .5 GPH
12	MM	Mountain Mahogany	Cercocarpus montanus	5 gal	7'-0" O.C.	1 emitter/shrub @ .5 GPH
30	NML	New Mexico Locust	Robinia neomexicana	5 gal	9'-0" O.C.	1 emitter/shrub @ 1 GPH
23	NMO	New Mexico Olive	Forestiera neomexicana	5 gal	7'-0" O.C.	1 emitter/shrub @ .5 GPH
20	FS	Russian Sage	Perovskia atriplicifolia	5 gal	4'-6" O.C.	1 emitter/shrub @ .5 GPH
14	SS	Sand Sage	Artemisia ludoviciana	5 gal	3'-6" O.C.	1 emitter/shrub @ .5 GPH
14	WSC	Western Sand Cherry	Prunus besseyi	5 gal	5'-0" O.C.	1 emitter/shrub @ .5 GPH
PERENNIALS:						
14	MHC	Mexican Hat Coneflower	Ratibida columnifera	1 gal	3'-0" O.C.	1 emitter/shrub @ .5 GPH

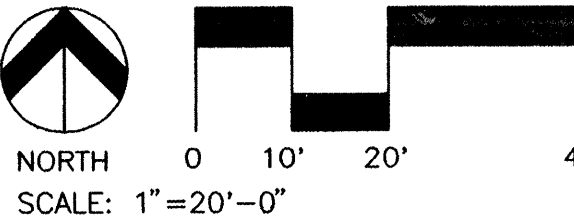
GENERAL NOTES

BARK MULCH IS TO BE 6" DEPTH OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATION. MULCH DEPTH AT PERENNIALS ONLY TO BE 3" MAXIMUM.

KEYED NOTES

- INSTALL TREE PER STANDARD C.O.A. DRAWING # 2713.
- INSTALL TREE PER STANDARD C.O.A. DRAWING # 2714.
- INSTALL TREE PER STANDARD C.O.A. DRAWING # 2715.
- INSTALL SHRUB PER STANDARD C.O.A. DRAWING # 2717.
- EXISTING TREE TO REMAIN. PRESERVE AND PROTECT THE AREA WITH IN THE DRIP ZONE OF THE TREE DURING CONSTRUCTION.
- CONCRETE PAVERS, SEE SHEET 4 FOR DETAILS.
- LIGHTING, SEE SHEET 5 FOR DETAILS.
- INSTALL DEEP ROOT BARRIER ALONG EDGE OF WALK. USE 18" DEPTH BARRIER (LB 18-2). DIG A TRENCH 18" DEPTH AND LENGTH AS SHOWN ON PLANS. PLACE THE BARRIER IN THE TRENCH AGAINST THE WALK WITH THE VERTICAL RIBS FACING TOWARDS THE TREE AND ALIGN IN A STRAIGHT FASHION. BACKFILL. KEEP THE BARRIERS DOUBLE TOP EDGE AT LEAST 1/2" ABOVE GRADE TO ENSURE THAT ROOTS DO NOT GROW OVER THE TOP. DEEP ROOT BARRIER AVAILABLE FROM DEEP ROOT PARTNERS, L.P., 800-458-7668.
- INSTALL 4" WIDTH HEAVY GAUGE METAL EDGER. TOP OF EDGER TO BE FLUSH OR BELOW ADJACENT PAVING.

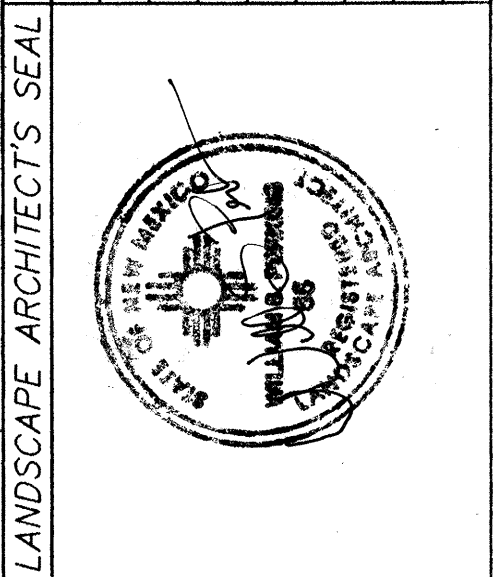
DESIGNWORKSHOP  
9621 4TH STREET NW  
Albuquerque, NM 87114  
(Tel.) 505.890.1815  
(Fax) 505.890.1817



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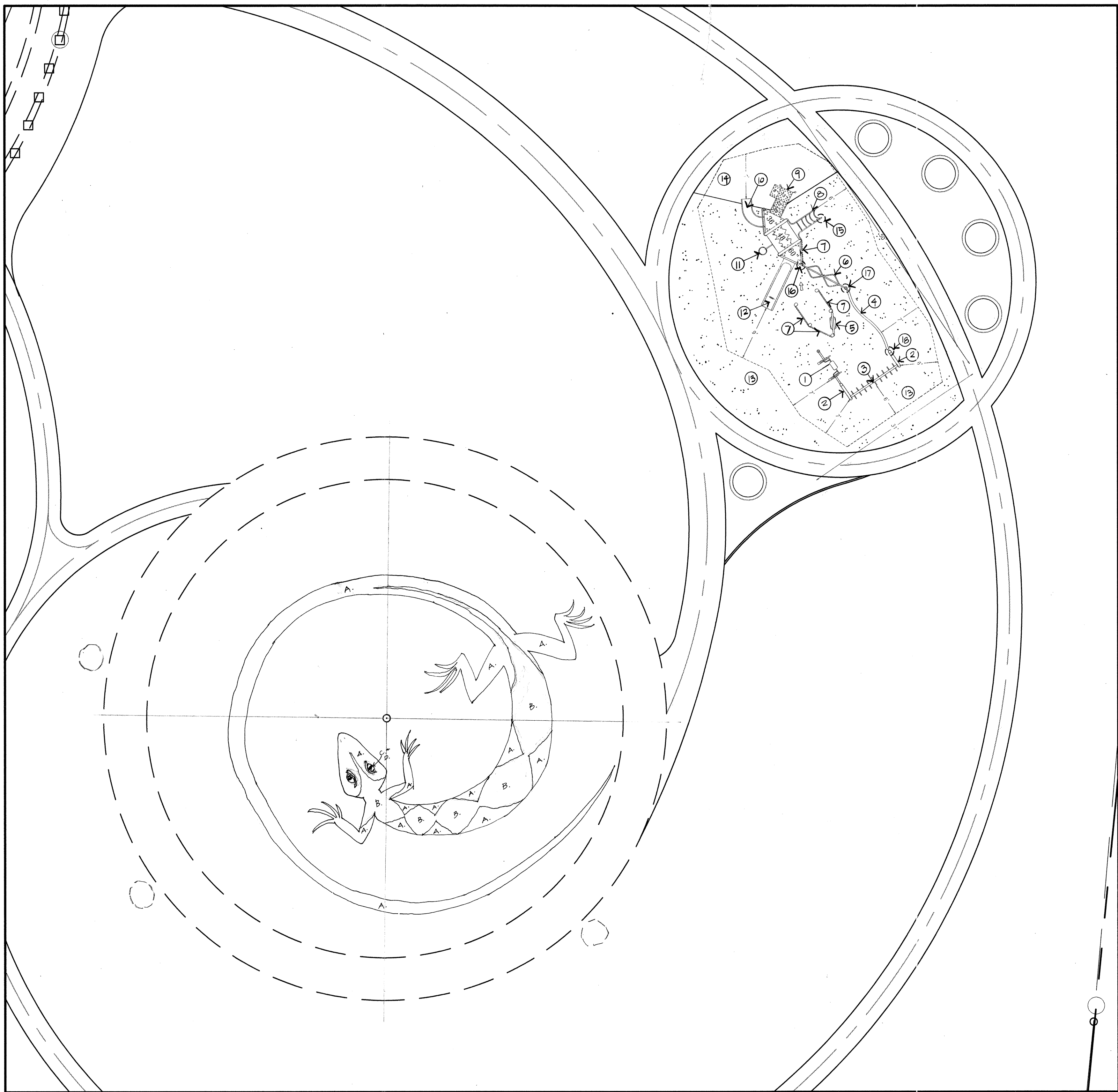
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: <b>KROGH PARK PLANTING PLAN</b>			
Design Review Committee	City Engineer Approval	Ms./Day/Yr.	
		Ms./Day/Yr.	
		Ms./Day/Yr.	
		Ms./Day/Yr.	
		Ms./Day/Yr.	
City Project No.	Zone Map No.	Sheet	Of
5222-08	H-13-Z	7	8

SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
NO.	BY	DATE	DATE	CONTRACTOR	DATE
				CITY OF ALBUQUERQUE	9/15/98
				SPONSOR	DATE
				INSPECTOR'S	DATE
				FIELD	DATE
				VERIFICATION	DATE
				CORRECTED BY	DATE
				WBP	9/15/98
MICRO-FILM INFORMATION		MICRO-FILM INFORMATION		MICRO-FILM INFORMATION	
				RECORDED BY	DATE
				NO.	DATE



REMARKS	BY
REVISIONS	
DESIGN	
DESIGNED BY A.M.	DATE 12-96
DRAWN BY E.C.	DATE 1-97
CHECKED BY J.A.	DATE 1-97/3/97





### CONCRETE STAINING NOTES

- CONCRETE STAINING AND SAW CUTTING IS TO BE USED TO CREATE THE LIZARD FORM ON THE EXISTING BASKETBALL COURT.
- LANDSCAPE ARCHITECT TO WORK WITH CONTRACTOR TO LAYOUT DESIGN FOR SAWCUTTING BEFORE CONTRACTOR BEGINS SAWCUTTING OPERATIONS.
- CONCRETE STAINING OTHERWISE KNOWN AS "PATENE ARTECTURA" BY BOMANITE AND SEALING TO BE BY, OR WITH CONSULTATION FROM, CREATIVE CONCRETE, 764-8780. CONTRACTOR TO COORDINATE ALL PREPARATION, APPLICATION, SEALING AND CLEAN-UP WITH LANDSCAPE ARCHITECT AND CREATIVE CONCRETE.
- ALL WORK SHALL BE INSTALLED BY A LICENSED BOMANITE CONTRACTOR WHO SHALL PROVIDE A FOREMAN OR SUPERVISOR WHO HAS EXPERIENCE WITH AND KNOWLEDGE OF SPECIALTY ARCHITECTURAL CONCRETE FINISHES USING THE PATENE ARTECTURA SYSTEM. EVIDENCE THAT THE LICENSED BOMANITE CONTRACTOR IS QUALIFIED TO COMPLETE THE PROJECT AS SPECIFIED HEREIN SHALL BE SUBMITTED TO, AND SUBJECT TO THE APPROVAL OF THE ARCHITECT.
- SAMPLES CONTRACTOR TO SUBMIT ONE 1'-0" X 1'-0" CONCRETE SAMPLE OF EACH COLOR TO ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION.

CONCRETE PREPARATION: CONCRETE SHALL BE PREPARED PER STAINING MANUFACTURER'S INSTRUCTIONS. EXISTING CONCRETE PAVING SHALL BE POWER-WASHED. ALL DUST, DEBRIS, GREASE AND OTHER MATTER SHALL BE REMOVED TO THE BEST ABILITY OF THE CONTRACTOR AND TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT. CONTRACTOR SHALL TAKE PRECAUTIONS DURING CONCRETE PREPARATION AND STAINING TO AVOID DAMAGING EXISTING CONCRETE AND ADJACENT SITE IMPROVEMENTS.

STAINING COLOR PALETTE: IT IS UNDERSTOOD THAT STAINING EXISTING CONCRETE OFTEN RESULTS IN AN UNEVEN TONE. CONTRACTOR SHALL WORK WITH ARCHITECT AND CREATIVE CONCRETE TO DETERMINE THE BEST SUITED METHOD AND MATERIALS FOR STAIN APPLICATION UNDER THE EXISTING CONDITIONS.

BOMANITE CHEMICAL STAIN SHALL BE APPLIED TO THE CLEAN SUBSTRATE IN A MINIMUM OF TWO COATS AT A RATE OF 200 TO 400 SQUARE FEET PER U.S. GALLON, PER COAT. THE STAIN SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.

THE SURFACE SHALL BE SEALED USING SOLVENT SEAL SOLVENT BASE ACRYLIC SEALER IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION TO COMPLETE THE COLORING PROCESS.

STAINS TO ACHIEVE THE FOLLOWING COLORS ARE TO BE USED IN THE SPECIFIED LOCATIONS:

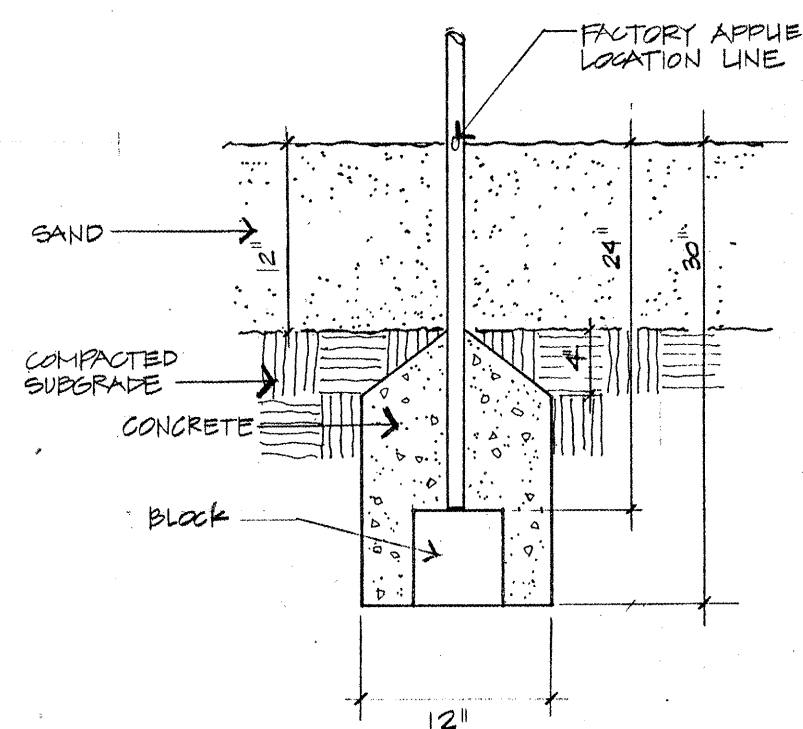
KEY	COLOR
A	RUST RED
B	CARIBBEAN BLUE
C	PINE
D	EBONY

### KEYED NOTES

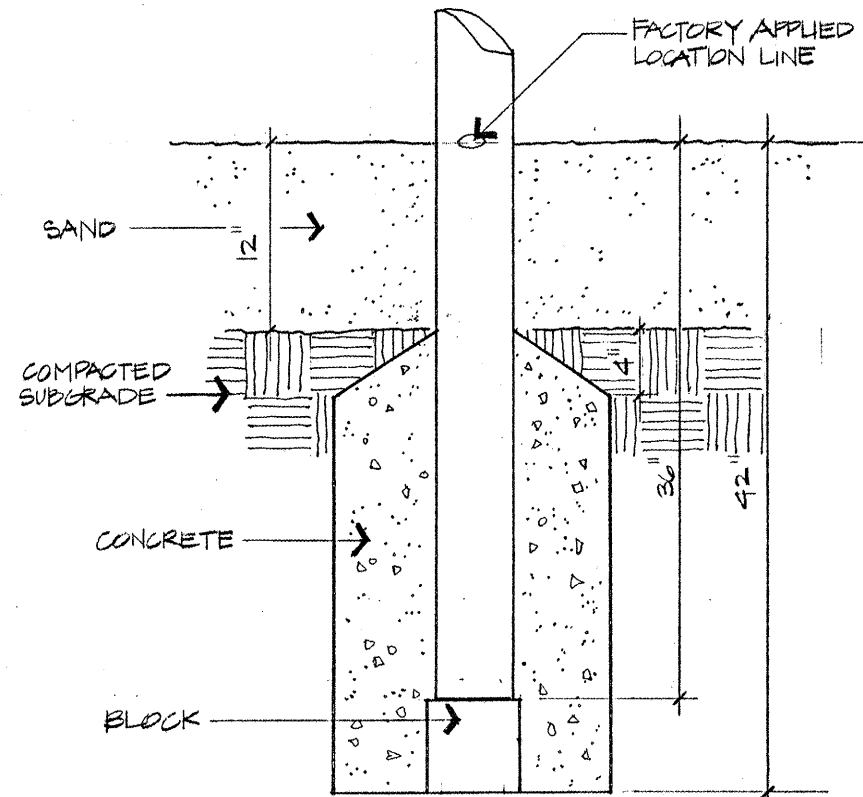
- U-BOUNCE (GROUND ZERO)
- CANTILEVERED POST (GROUND ZERO)
- HORIZONTAL LOOP LADDER
- CHALLENGE WALK (GROUND ZERO)
- CRAWL THROUGH PANEL
- SKY ROCKER (GROUND ZERO)
- PIPE WALL BARRIER
- DEEP RUNG ARCH CLIMBER
- TRANSFER STATION W/ APPROACH STEP
- 90 DEGREE SLIDE (ONE PIECE)
- SPIRAL CLIMBER
- LIGHTING SLIDE (ONE PIECE)
- 12" DEPTH PLASTER SAND
- SAFETY SURFACING. SEE SHEET 4 FOR LAYOUT DETAILS AND INSTALLATION DETAILS.
- COMPONENT SUPPORT LEG, TYPICAL, SEE FOOTING DETAIL
- STANDARD POST, TYPICAL, SEE FOOTING DETAIL
- GROUND ZERO SUPPORT POST, TYPICAL, SEE FOOTING DETAIL
- CANTILEVER POST, TYPICAL, SEE FOOTING DETAIL

### GENERAL NOTES

- PLAY AREA EQUIPMENT BY PLAYWORLD SYSTEMS AS AVAILABLE FROM THE PLAYWELL GROUP, (505) 899-1762. PLAYSTRUCTURE NO. 970184 A
- PLAY EQUIPMENT COLORS ARE AS FOLLOWS: POSTS: TEAL  
ACTIVITIES: SPACE GREEN  
PLASTICS: BEIGE
- THE SITE PLAN PROVIDED MUST BE CHECKED AGAINST THE ACTUAL SITE AREA TO INSURE THAT THE PLACEMENT OF YOUR STRUCTURE MEETS THE REQUIRED CLEARANCES.
- THERE MUST BE A MINIMUM DISTANCE OF 6' BETWEEN ANY OBSTACLE, SIDEWALK, ETC. AND YOUR STRUCTURE.
- SLIDES MUST HAVE A MINIMUM DISTANCE AT THE EXIT CHUTE EQUAL TO THE SLIDES HEIGHT OF THE SLIDE PLUS 4'.
- THE COMPLETE AREA, INCLUDING THE SPACE UNDER AND AROUND THE EQUIPMENT MUST BE COVERED WITH AN IMPACT ATTENUATING MATERIAL. SEE THE 1991 PUBLICATION OF "HANDBOOK FOR PUBLIC SAFETY" PUBLISHED BY THE U.S. CONSUMER PRODUCT PLAYGROUND SAFETY COMMISSION FOR GUIDELINES AND RECOMMENDATIONS ON THE TYPE AND DEPTH OF SURFACING MATERIAL.

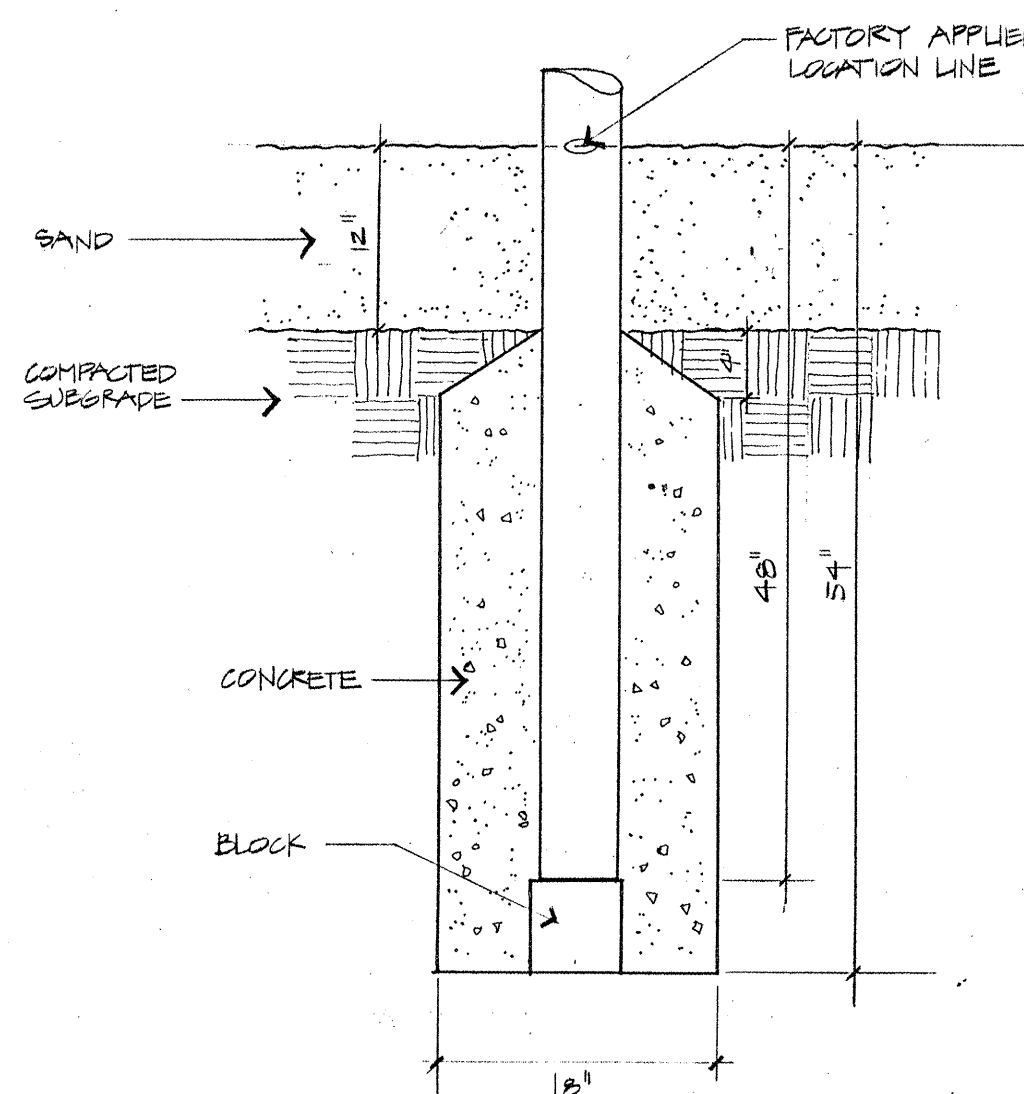


1 FOOTING DETAIL FOR  
8 COMPONENT SUPPORT LEG NTS



2 FOOTING DETAIL FOR  
8 STANDARD SUPPORT POST NTS

FOOTING DETAILS ARE FROM THE PLAYSTRUCTURE MANUFACTURER AND HAVE BEEN REDRAWN BY THE ARCHITECT.



3 FOOTING DETAIL FOR CANTILEVER POST  
8 AND GROUND ZERO SUPPORT POST NTS

### DESIGNWORKSHOP

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



SCALE: 1"=10'-0"

AS-BUILT

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
TITLE: KROGH PARK PLAY AREA PLAN AND DETAILS	
Design Review Committee APPROVED MAY - 1997 DESIGN REVIEW COMMITTEE	City Engineer Approval Ms./Day/Yr. Ms./Day/Yr.
City Project No. 5222-08	Zone Map No. H-13-Z
Sheet 8	Of 8