

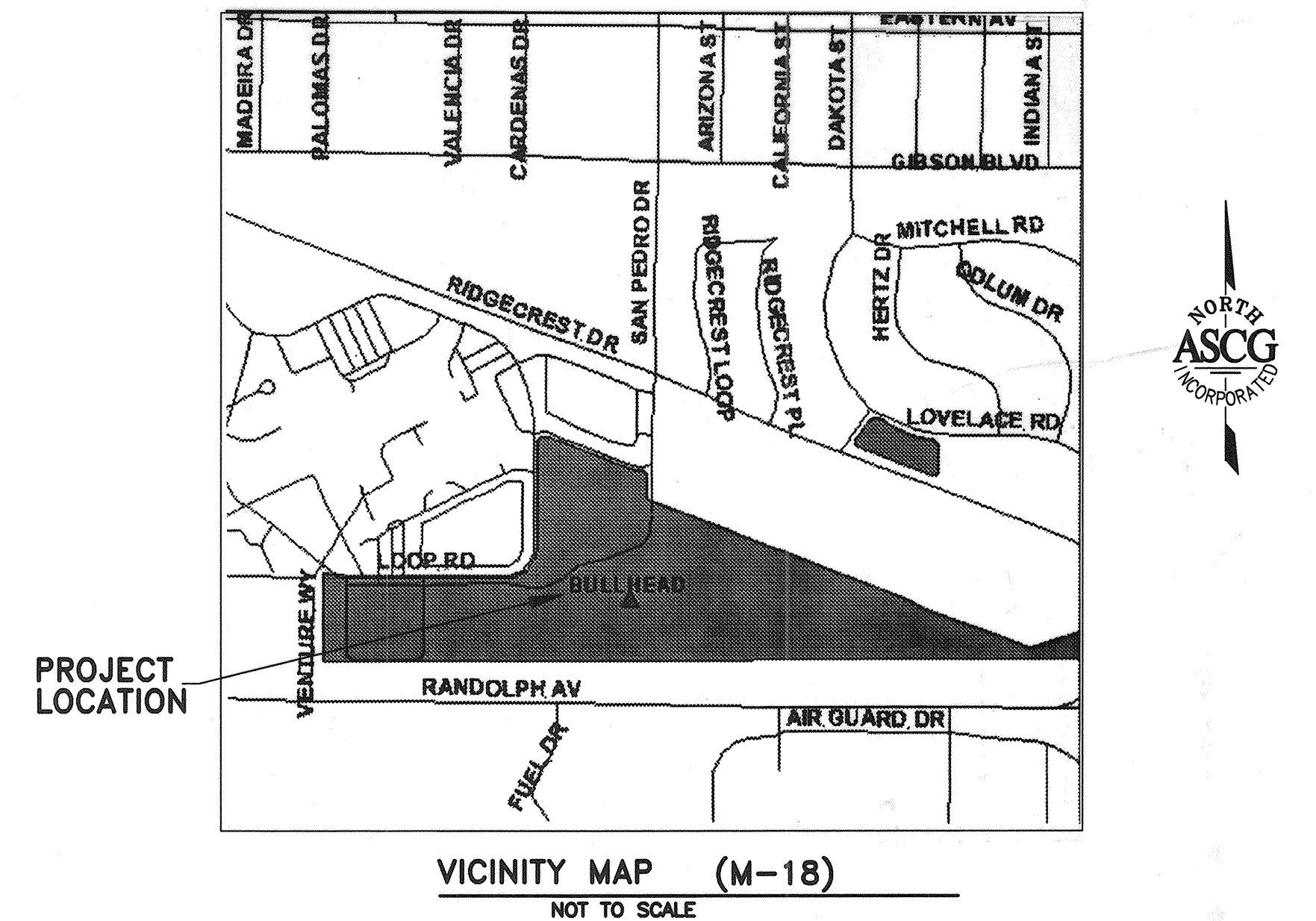
CITY OF ALBUQUERQUE
PARKS AND RECREATION DEPARTMENT
CONSTRUCTION PLANS
FOR

USS BULLHEAD PARK
SOFTBALL FIELD FENCING

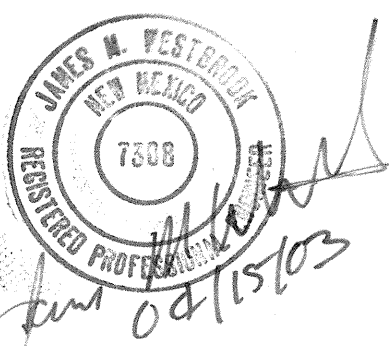
APRIL 2003

INDEX OF DRAWINGS

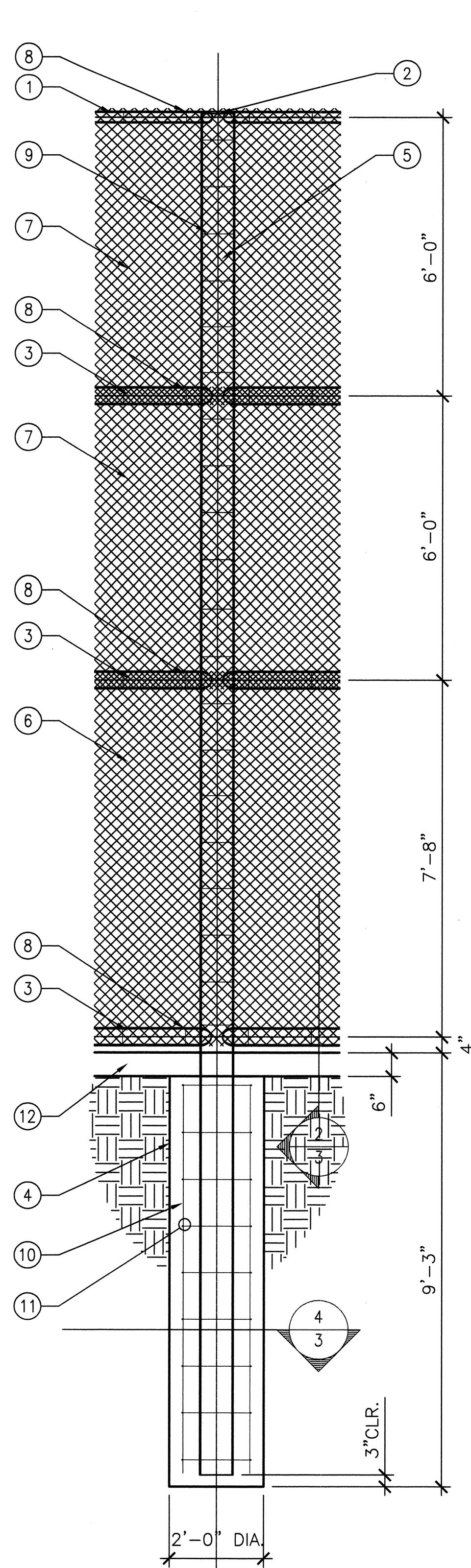
- 1 COVER, VICINITY MAP, INDEX OF DRAWINGS.
 - 2 LAYOUT PLAN.
 - 3 DETAILS AND STRUCTURAL NOTES.
- FOR INFORMATION ONLY - TYPICAL INFIELD LAYOUT - SHEET 6 OF 6.
- FOR INFORMATION ONLY - FIELD LAYOUT - SHEET 2
- FOR INFORMATION ONLY - SPRINKLER LAYOUT - SHEET 7
- FOR INFORMATION ONLY - SPRINKLER LAYOUT - SHEET 8
- FOR INFORMATION ONLY - ELECTRICAL PLAN "A" - SHEET 1 OF 3
- FOR INFORMATION ONLY - ELECTRICAL PLAN "B" - SHEET 2 OF 3



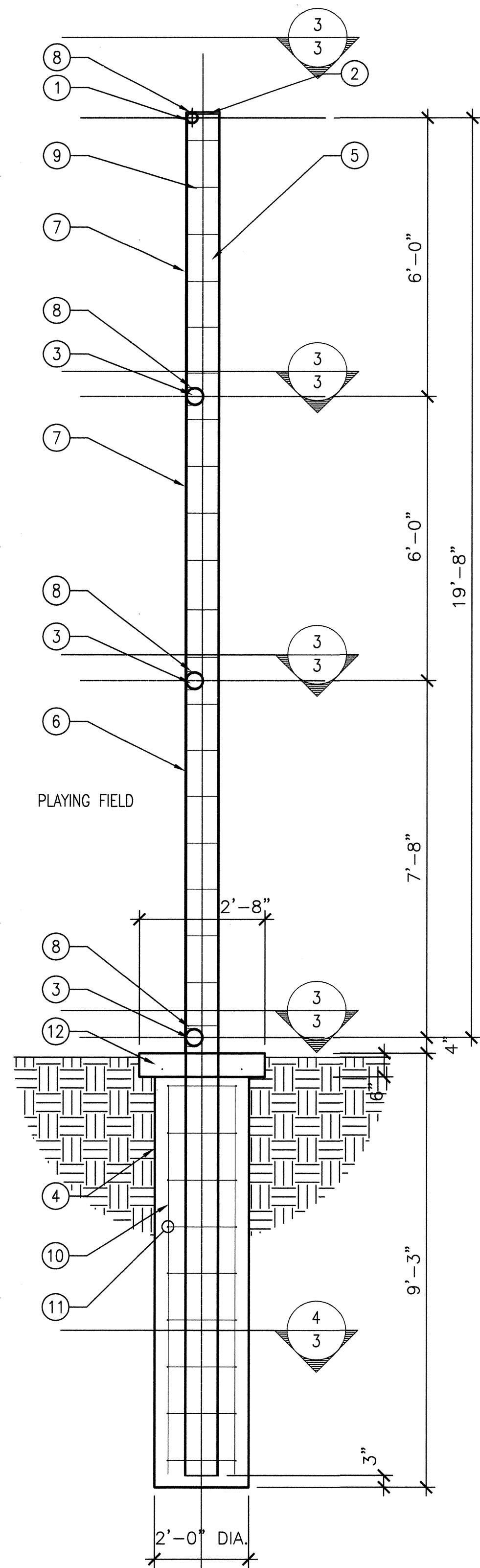
J:\COA\COA_OPEN\ONCALL\CIVIL\201586-CASA GRANDE FOOTBRIDGE\DWG\CIVIL\COVER-SHT.dwg 7/18/02 KJL

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS	ENGINEER		DATE	* * * * *	* * *
		DRC Chairman				APPROVED FOR CONSTRUCTION	
		Transportation					
		Water/Wastewater					
		Hydrology					
		Parks & Recreation					
		Constr. Coord.					
City Project No.		696091		Sheet		Of	
				1			3

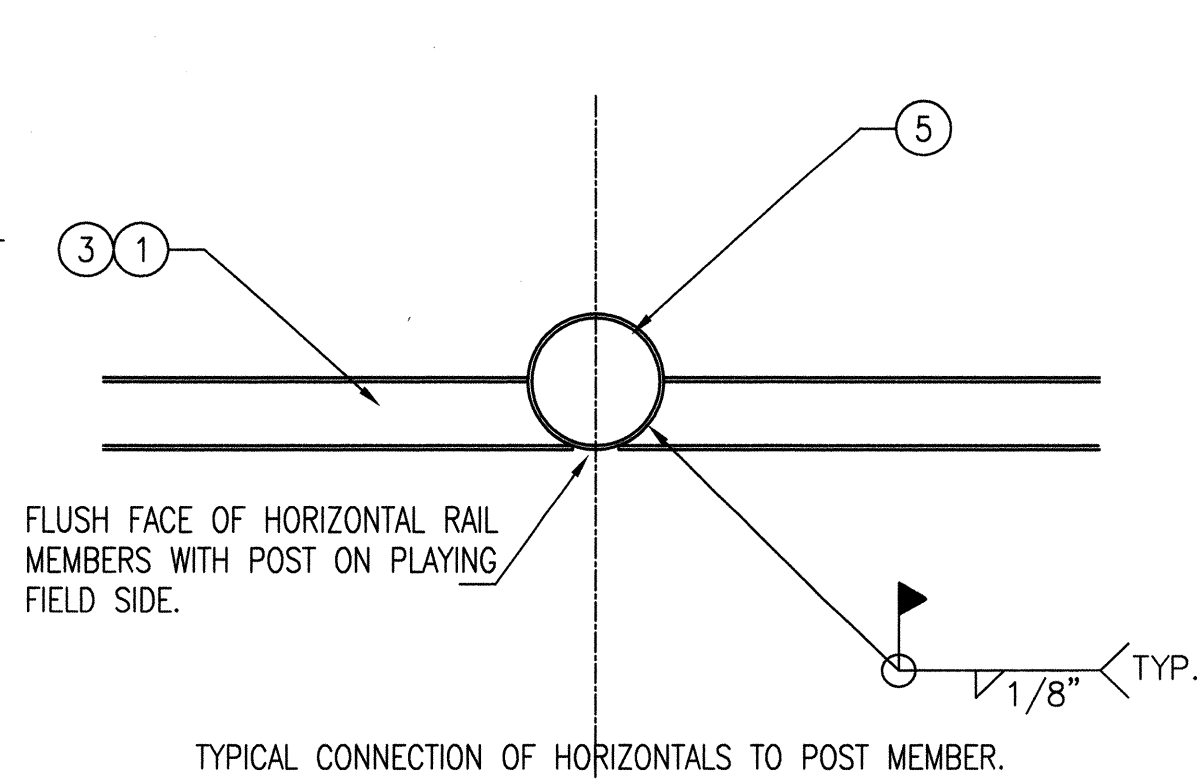
USS BULLHEAD PARK SOFTBALL FIELD FENCING



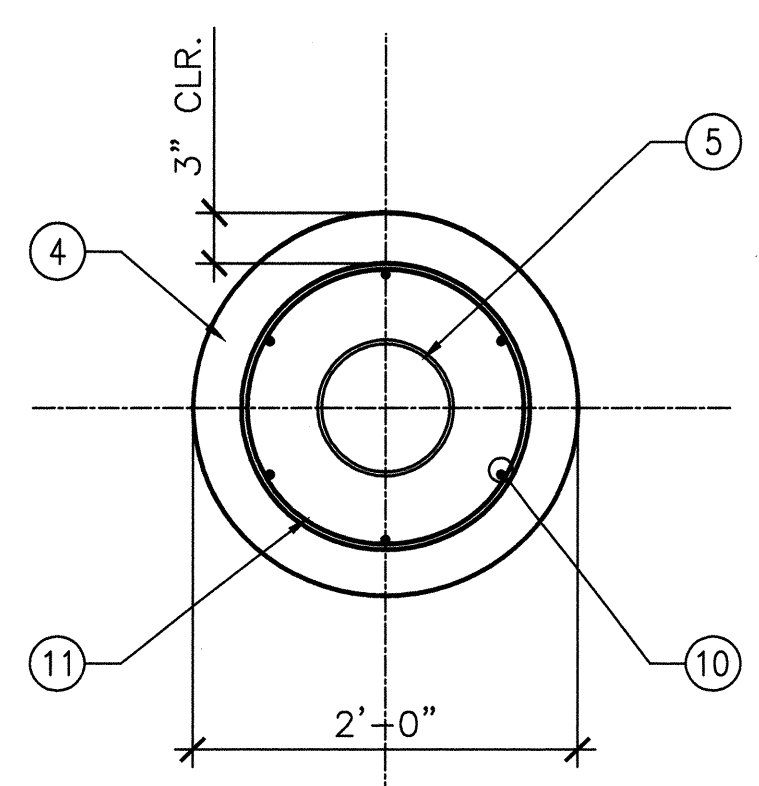
1 ELEVATION
SCALE: 1/2"=1'-0"



2 SECTION
SCALE: 1/2"=1'-0"



3 DETAIL
SCALE: 1"=1'-0"



4 DETAIL
SCALE: 1"=1'-0"

KEYED NOTES

- 1 - 2 1/2" (INSIDE) DIAMETER STANDARD PIPE, HORIZONTAL, COPE AS REQUIRED TO WELD TO POST AS INDICATED IN 3/3.
- 2 - 1/2" THICK CLOSURE PLATE SHOP WELD AT TOP OF POST.
- 3 - 4" (INSIDE) DIAMETER STANDARD PIPE, HORIZONTAL, COPE AS REQUIRED TO WELD TO POST AS INDICATED IN 3/3.
- 4 - 24" DIAMETER DRILLED SHAFT.
- 5 - 8" (INSIDE) DIAMETER STANDARD PIPE POST. SPACE POSTS AT 16' ON CENTER MAXIMUM.
- 6 - 9 GAGE x 2" DIAMOND MESH.
- 7 - 11 GAGE x 2" DIAMOND MESH.
- 8 - LAP MESH AT HORIZONTAL AND ATTACH WITH 9 GAGE WIRE AT 16" ON CENTER.
- 9 - ATTACH MESH TO EACH COLUMN WITH 9 GAGE WIRE AT 12" ON CENTER.
- 10 - 6 - #7 VERTICAL.
- 11 - #3 TIES AT 12" ON CENTER LAP 8".
- 12 - 6" THICK CAST IN PLACE CONCRETE MOW STRIP. REINFORCE WITH 2 - #3 CONTINUOUS PER COA STANDARD DRAWING 2725.

STRUCTURAL NOTES

- GENERAL:**
1. ALL MATERIAL AND WORKMANSHIP SHALL CONFORM TO THE 1997 EDITION OF THE UNIFORM BUILDING CODE.
 2. THE STRUCTURAL DESIGN IS FOR THE FENCING AND ITS FOUNDATION ONLY.
- LOADINGS:**
3. A. WIND UBC BASIC WIND SPEED 80 MPH
EXPOSURE C
B. SEISMIC UBC ZONE 1, Z = 0.075
I = 1.00, SOIL PROFILE = Sd
- THE DIMENSIONS INDICATED ON THE SECTIONS ARE RELATIVE TO THE FINISH GRADE.
- SHORE THE POLES PLUMB PRIOR TO PLACING THE CONCRETE FOR THE FOUNDATIONS.
- THIS WORK OCCURS WITHIN A SITE OCCUPIED BY OTHERS. COORDINATE ALL CONSTRUCTION ACCESS AND OPERATIONS WITH THE OWNER TO AVOID DISRUPTION TO ONGOING OPERATIONS.
- SHOULD ANY OF THE DETAILED INSTRUCTIONS SHOWN ON THE PLANS CONFLICT WITH THE STRUCTURAL NOTES, OR WITH EACH OTHER, THE STRICTEST PROVISION SHALL GOVERN.
- THE STRUCTURAL DESIGN IS TO BE SELF-SUPPORTING AND STABLE AFTER THE FOUNDATION CONCRETE IS CURED. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE THE ERECTION PROCEDURE AND SEQUENCE AND TO INSURE THE SAFETY OF THE FENCE AND ITS COMPONENT PARTS DURING ERECTION, THIS INCLUDES THE ADDITION OF SHORING SHEETING, TEMPORARY BRACING, GUYS, OR TIE DOWN WHICH MIGHT BE NECESSARY. THE TEMPORARY SUPPORT MATERIALS SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER COMPLETION OF THE PROJECT.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, ANGLES AND EXISTING CONDITIONS BEFORE PROCEEDING WITH ANY WORK.
- ALL SECTIONS AND DETAILS SHALL BE CONSIDERED TYPICAL AND APPLY FOR THE SAME AND SIMILAR THROUGHOUT THE STRUCTURE UNLESS OTHERWISE SPECIFICALLY NOTED.
- FOUNDATIONS:**
1. THE FOUNDATION DESIGN IS BASED UPON AN ALLOWABLE FOUNDATION BEARING PRESSURE OF 2,000 PSF AND A LATERAL BEARING PRESSURE OF 200 LBS/SQ.FT./FT.
 2. THE FOUNDATION PIERS SHALL BE CAST AGAINST UNDISTURBED NATIVE MATERIAL. ANY TEMPORARY CASING PLACED IN THE PIERS SHALL BE REMOVED PRIOR TO PLACING THE CONCRETE.
 3. THE WORK SHALL BE COORDINATED SO THE PIERS DO NOT REMAIN OPEN OVER NIGHT. ALL PIERS DRILLED SHALL BE EITHER POURED IN CONCRETE OR FILLED WITH SOIL AT THE END OF EACH DAYS WORK.
- REINFORCING STEEL:**
1. REINFORCING STEEL SHALL BE ASTM A615 GRADE 60 DEFORMED BARS.
 2. FABRICATION AND PLACEMENT OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH CRSI MSP-1 "MANUAL OF STANDARD PRACTICE" AND ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS".
 3. REINFORCING STEEL LAP SPLICES NOT OTHERWISE INDICATED SHALL BE ACI CLASS B WITH SPLICES STAGGERED BETWEEN ADJACENT BARS ONE LAP LENGTH MINIMUM. LAP SPLICES NOT SHOWN ON THE DRAWINGS ARE SUBJECT TO THE ENGINEER'S REVIEW.
 4. MINIMUM CONCRETE COVER OVER REINFORCING STEEL SHALL BE AS FOLLOWS
TYPICAL UNLESS NOTED OTHERWISE:
CAST AGAINST EARTH - 3"
EXPOSED TO EARTH OR WEATHER (CAST AGAINST FORM) - 2"
- CONCRETE:**
1. CONCRETE MATERIALS AND QUALITY SHALL BE IN ACCORDANCE WITH ACI 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" SUBMIT CONCRETE MIX DESIGNS TO THE ENGINEER FOR REVIEW PRIOR TO CONCRETE PLACEMENT. ALL CONCRETE STRENGTH SHALL BE AS INDICATED:
f'c = 3,000 PSI - FOOTINGS.
f'c = 4,000 PSI AIR ENTRAINED - SLABS AND MOW STRIPS.
 2. CEMENT SHALL CONFORM TO ASTM C150, TYPE I-II.
 3. CONCRETE PLACEMENT AND CURING SHALL BE IN ACCORDANCE WITH ACI301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS.
 4. ALL CONCRETE IS NORMAL WEIGHT: 150 PCF.
 5. ALL EXTERIOR CONCRETE SHALL BE AIR ENTRAINED BASED ON THE LARGE AGGREGATE SIZE IN ACCORDANCE WITH ACI 301 FOR MODERATE EXPOSURE.
 6. CONCRETE WORK SHALL CONFORM WITH CHAPTER 19 OF THE UNIFORM BUILDING CODE, CONCRETE STRENGTH SHALL BE VERIFIED BY STANDARD 28 DAY CYLINDER TESTS.

- STRUCTURAL STEEL:**
1. STEEL PLATES AND BARS SHALL BE ASTM A36.
 2. STEEL PIPES SHALL BE ASTM A53 GRADE B.
 3. FABRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE AISC "SPECIFICATIONS FOR THE DESIGN AND FABRICATION, AND ERECTION OF STRUCTURAL STEEL OF BUILDINGS" AND "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES" DESIGN AND CONSTRUCTION OF TEMPORARY BRACING OR SHORING TO SAFELY SUPPORT STEEL PRIOR TO COMPLETION OF CONSTRUCTION IS THE RESPONSIBILITY OF THE CONTRACTOR.
 4. WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1 "STRUCTURAL WELDING CODE-STEEL". WELDING FILLER METAL SHALL BE AWS A5.1 OR A5.5 E70XX LOW HYDROGEN ELECTRODES. WELDERS SHALL BE AWS CERTIFIED. SUBMIT COPY OF ALL CERTIFICATIONS TO THE ENGINEER. SURFACES TO BE WELDED SHALL BE WIRE BRUSHED CLEAN BEFORE WELDING.
 6. ALL CAST IN PLACE ITEMS IN CONCRETE OR MASONRY SHALL BE FURNISHED AND INSTALLED BY THE CONCRETE AND MASONRY CONTRACTORS RESPECTIVELY.
 7. ALL STRUCTURAL STEEL ELEMENTS ARE TO BE GALVANIZED WITH A MINIMUM OF G90 COATING. WELDS AND ANY AREAS DAMAGED BY WELDING SHALL BE PAINTED WITH TWO COATS OF A ZINC RICH GALVANIZED REPAIR PAINT.
- ALL WIRE FABRIC SHALL BE GALVANIZED WITH A MINIMUM OF G90 COATING.



J:\COA\COA_OPEN\ONCALL\CVL\USSBULLHEAD\DWG\STRU\DETAILS.dwg 09-23-02JMW

CITY OF ALBUQUERQUE
PARKS AND RECREATION DEPARTMENT

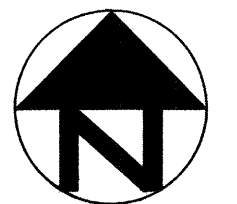
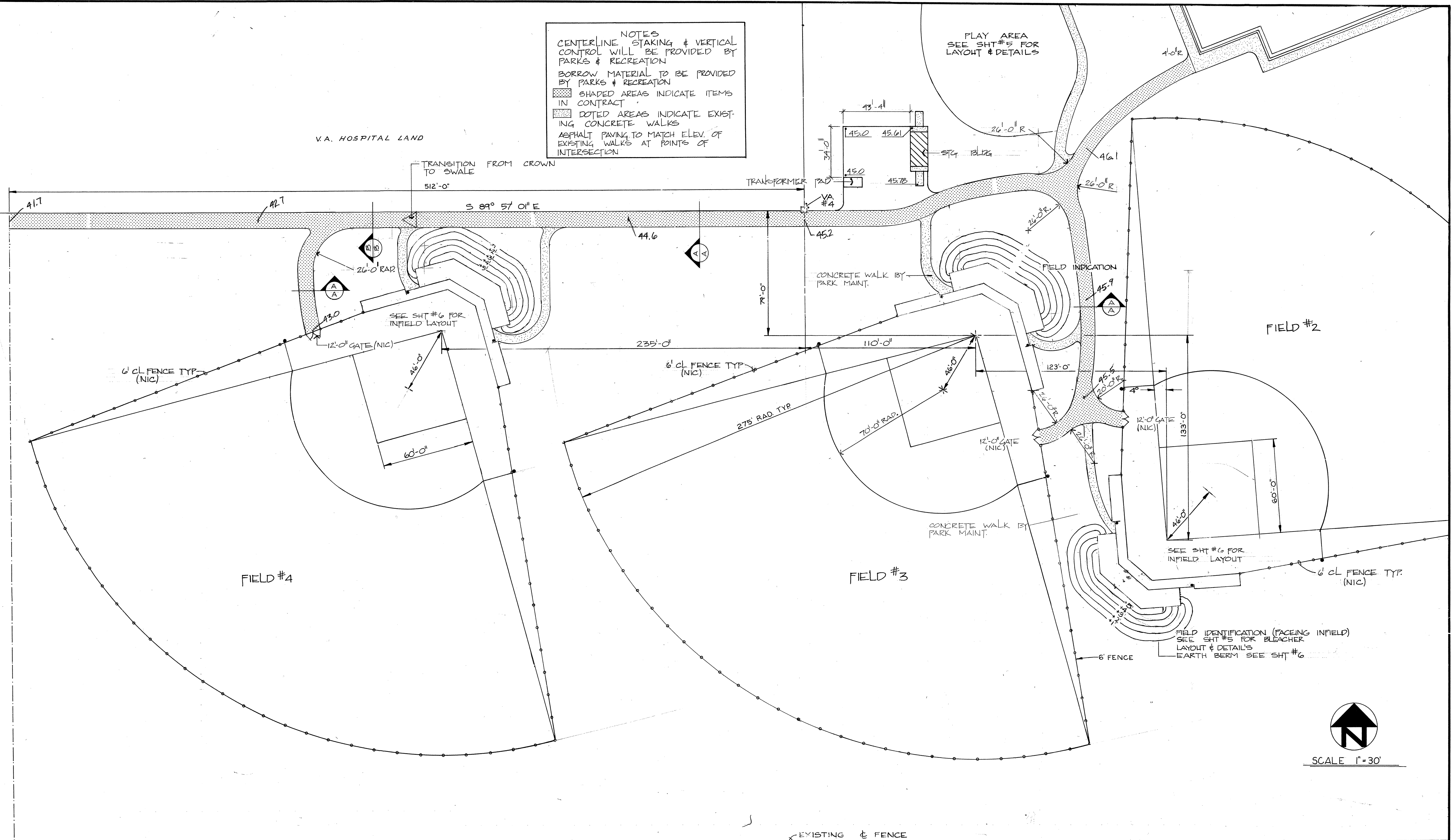
TITLE: USS BULLHEAD PARK
SOFTBALL FIELD FENCING
DETAILS AND STRUCTURAL NOTES

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

City Project No. 696091 Zone Map No. M18 Sheet 3 Of 3

NOTES
 CENTERLINE STAKING & VERTICAL
 CONTROL WILL BE PROVIDED BY
 PARKS & RECREATION
 BORROW MATERIAL TO BE PROVIDED
 BY PARKS & RECREATION
 SHADED AREAS INDICATE ITEMS
 IN CONTRACT
 DOTTED AREAS INDICATE EXIST-
 ING CONCRETE WALKS
 ASPHALT PAVING TO MATCH ELEV. OF
 EXISTING WALKS AT POINTS OF
 INTERSECTION

OPTIMIST CLUB LEASE LAND

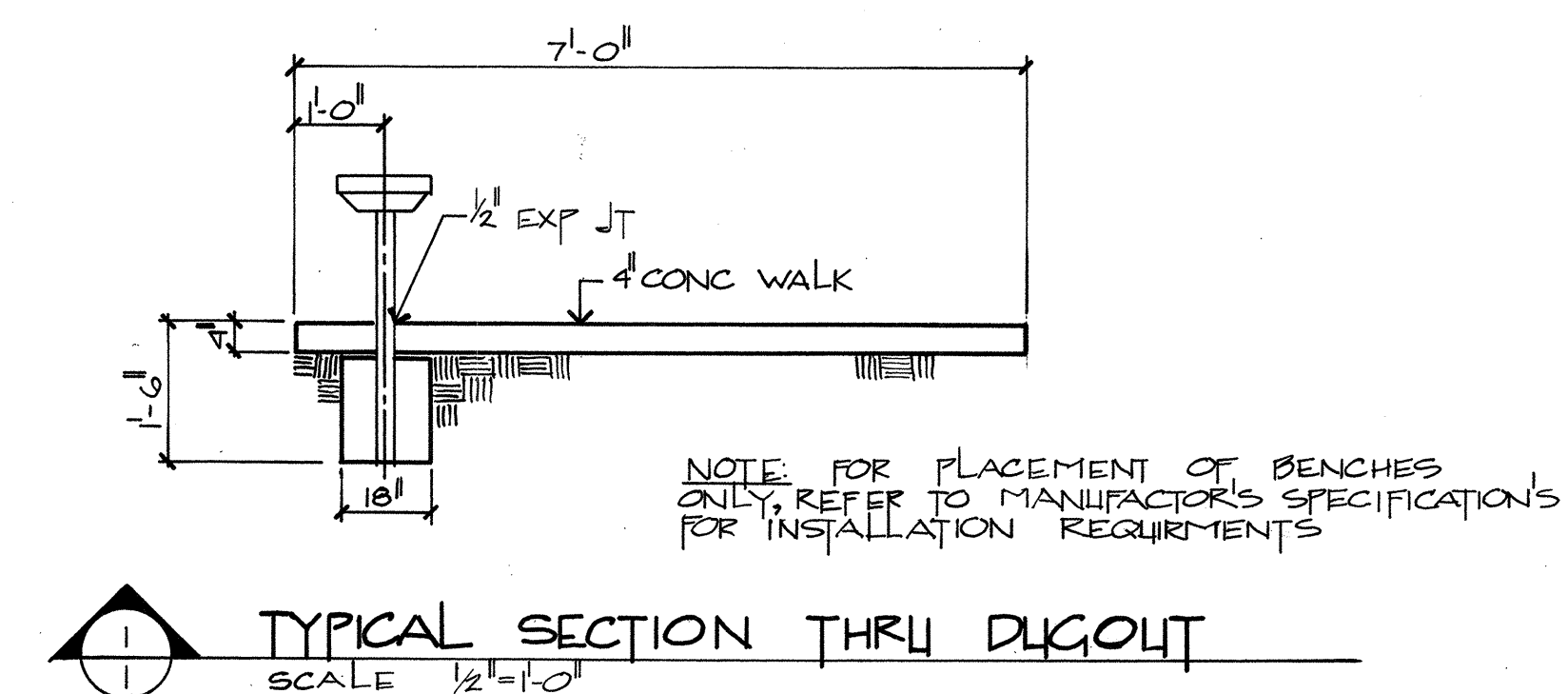
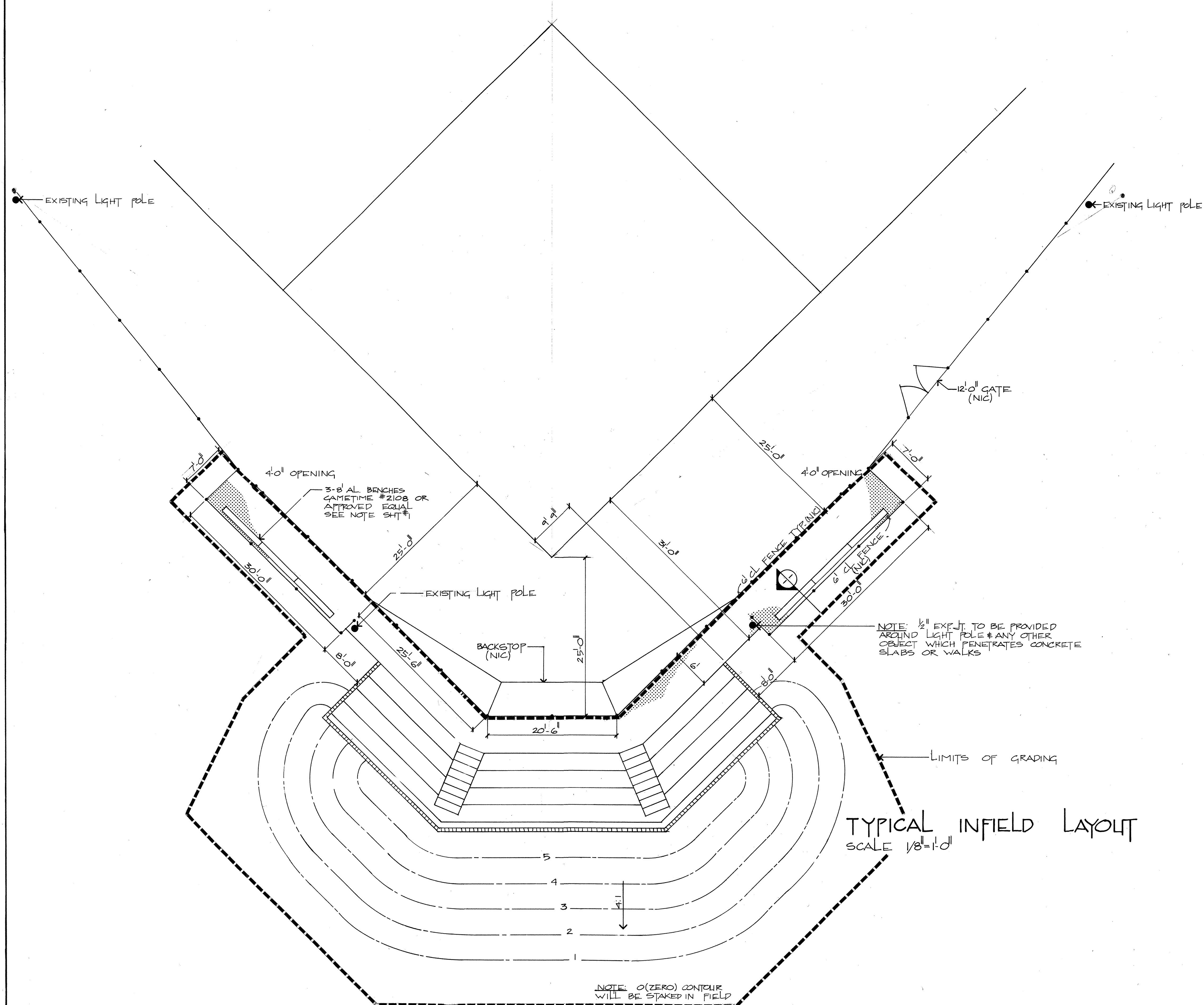


SCALE 1"=30'

KIRTLAND BLVD

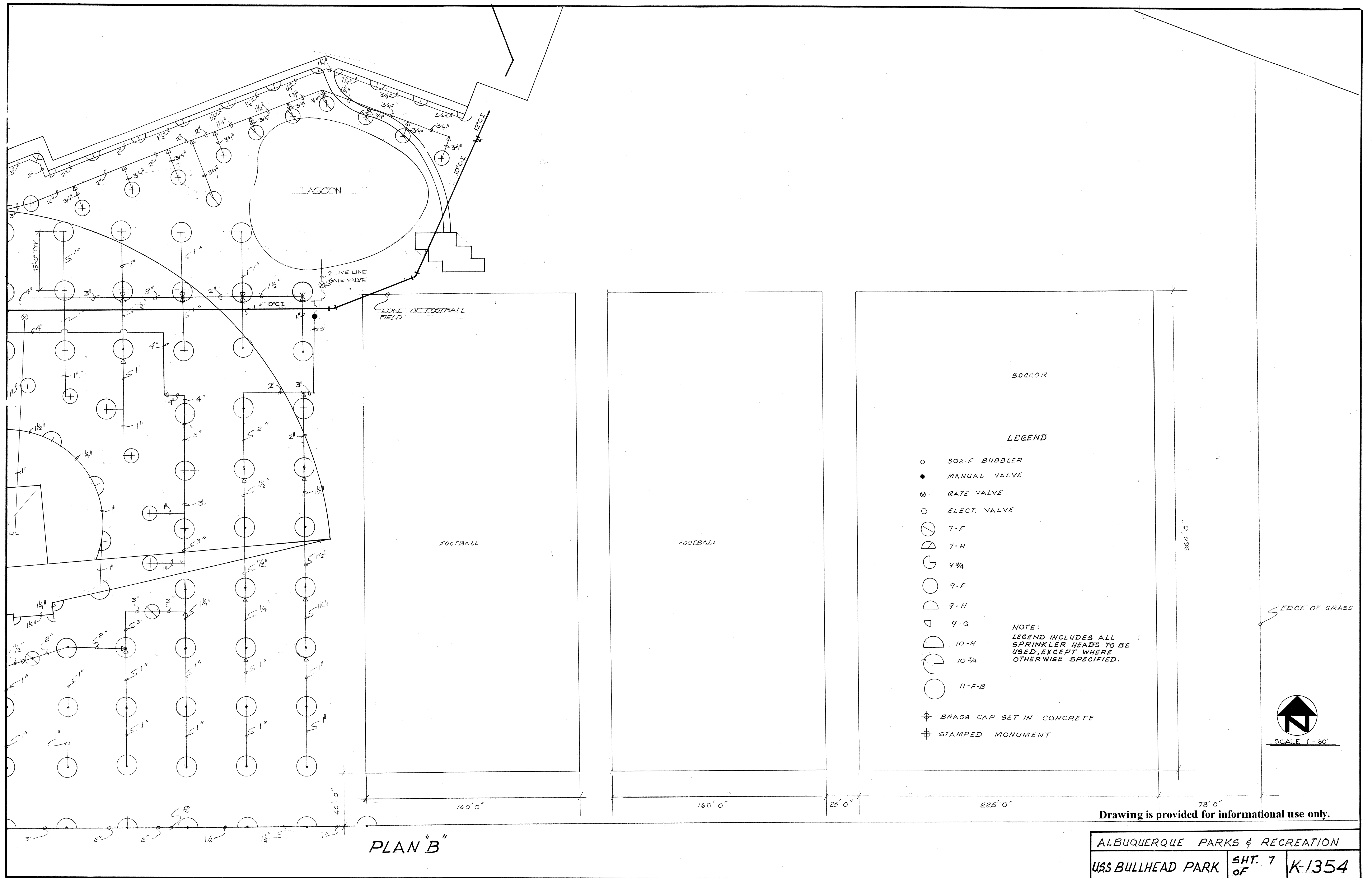
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ALBUQUERQUE PARKS & RECREATION DEPT.		
USS BULLHEAD PARK	SHT 2 of	K-1354



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ALBUQUERQUE PARKS & RECREATION		
USS BULLHEAD PARK	DATE 3-3-77 SHT. 6 of 6	K-1354

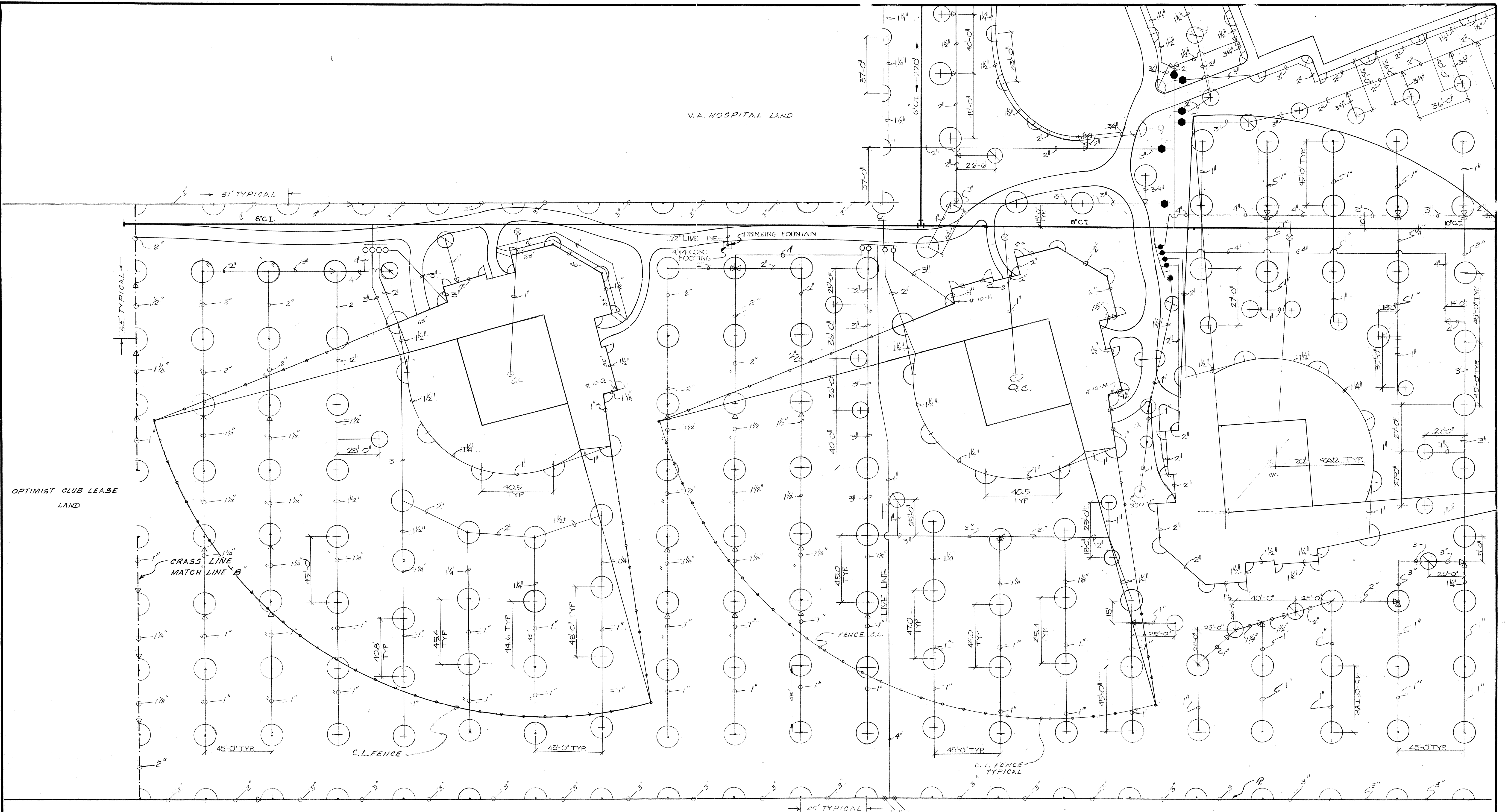


LEGEND

- 302-F BUBBLER
- MANUAL VALVE
- ⊗ GATE VALVE
- ELECT. VALVE
- 7-F
- 7-H
- 9-3/4
- 9-F
- 9-H
- 9-Q
- 10-H
- 10-3/4
- 11-F-B
- ⊕ BRASS CAP SET IN CONCRETE
- ⊕ STAMPED MONUMENT

NOTE:
LEGEND INCLUDES ALL
SPRINKLER HEADS TO BE
USED, EXCEPT WHERE
OTHERWISE SPECIFIED.

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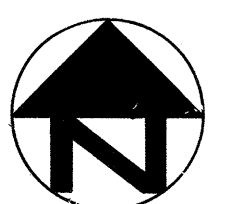


KIRTLAND BLVD.

NOTE:

LEGEND INCLUDES ALL SPRINKLER HEADS TO BE USED, EXCEPT WHERE OTHERWISE SPECIFIED.

- | | |
|-----------------|----------|
| ○ 302-F BUBBLER | ○ 9-F |
| ● MANUAL VALVE | ◐ 9-H |
| ○ GATE VALVE | ◑ 9-Q |
| ○ ELECT. VALVE | ◒ 10-H |
| ◐ 7-F | ◑ 10-3/4 |
| ◒ 7-H | ○ 11-F-B |
| ◑ 9-3/4 | |



SCALE 1"=30'

Drawing is provided for informational use only.

ALBUQUERQUE PARKS & RECREATION		
USS BULLHEAD PARK	SHT. 3 OF	K-1354



DON FOWLER
418 TAYLOR PL., N.E.
ALBUQUERQUE
NEW MEX. 87102

SOFTBALL FIELD LIGHTING

U.S.S. BULLHEAD PARK

VICINITY OF SAN PEDRO & RIDGECREST, SE.

CITY OF ALBUQUERQUE -
PARKS & RECREATION DEPT.

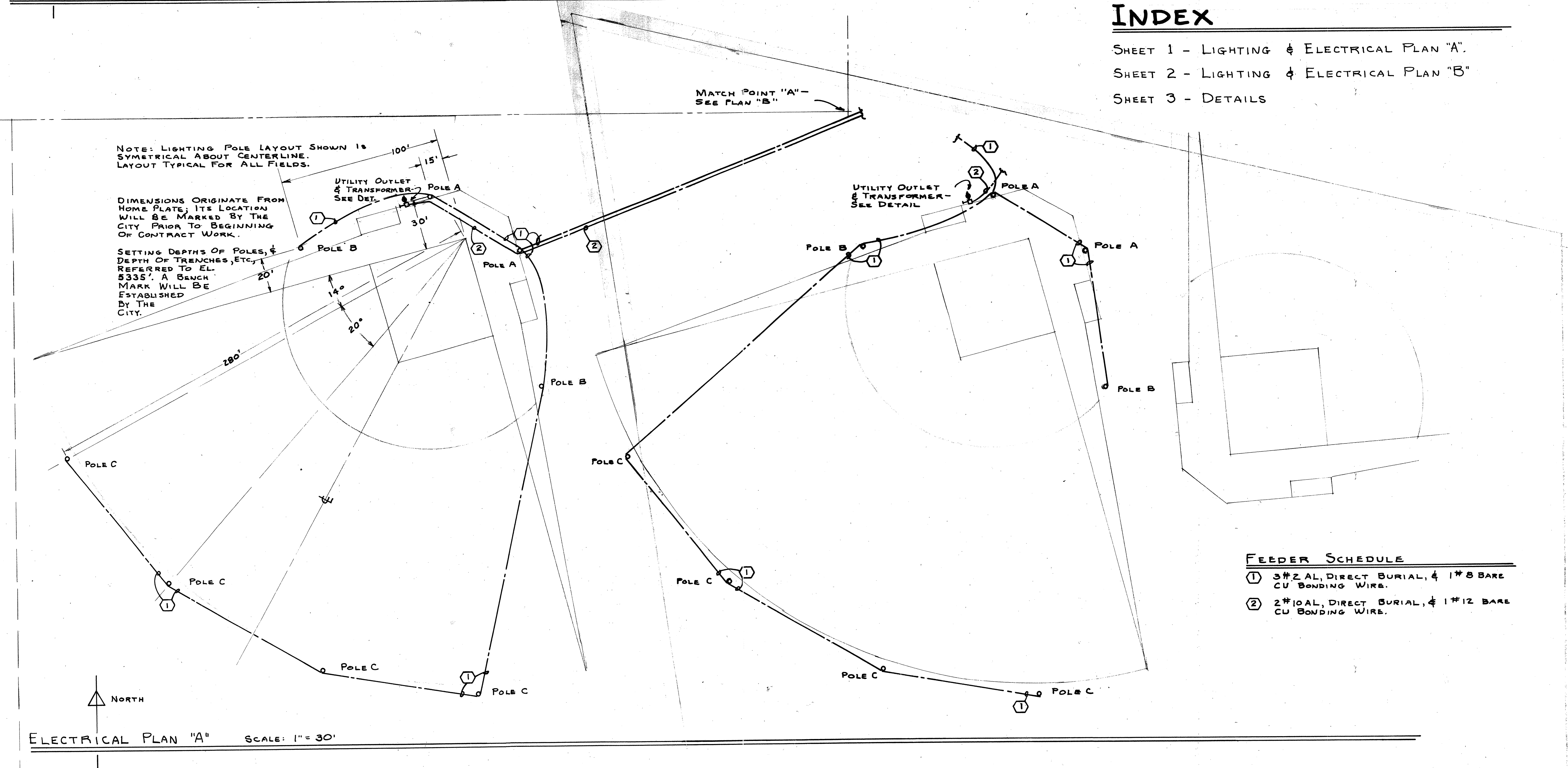
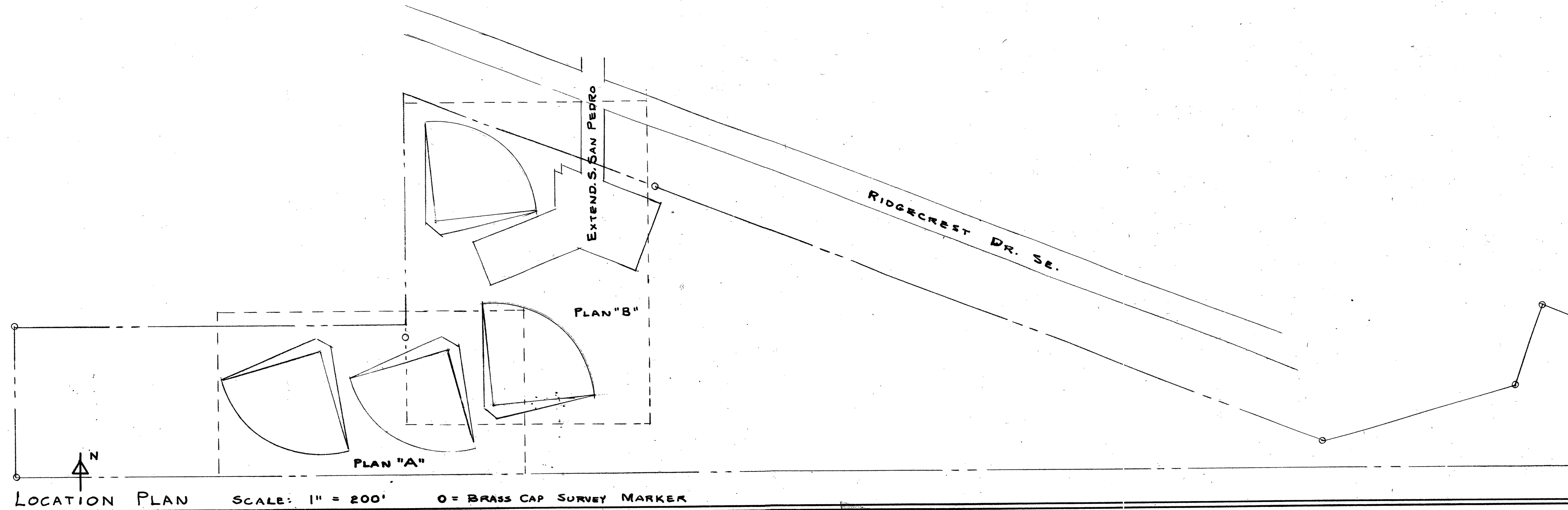
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SHEET 1 - LIGHTING & ELECTRICAL PLAN "A".

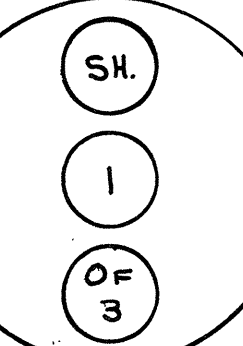
SHEET 2 - LIGHTING & ELECTRICAL PLAN "B".

SHEET 3 - DETAILS

SOFTBALL FIELD LIGHTING
U.S.S. BULLHEAD PARK, ALBUQUERQUE, N.M.
PLAN "A"



As Constructed - Oct 1977 - D.S.F.

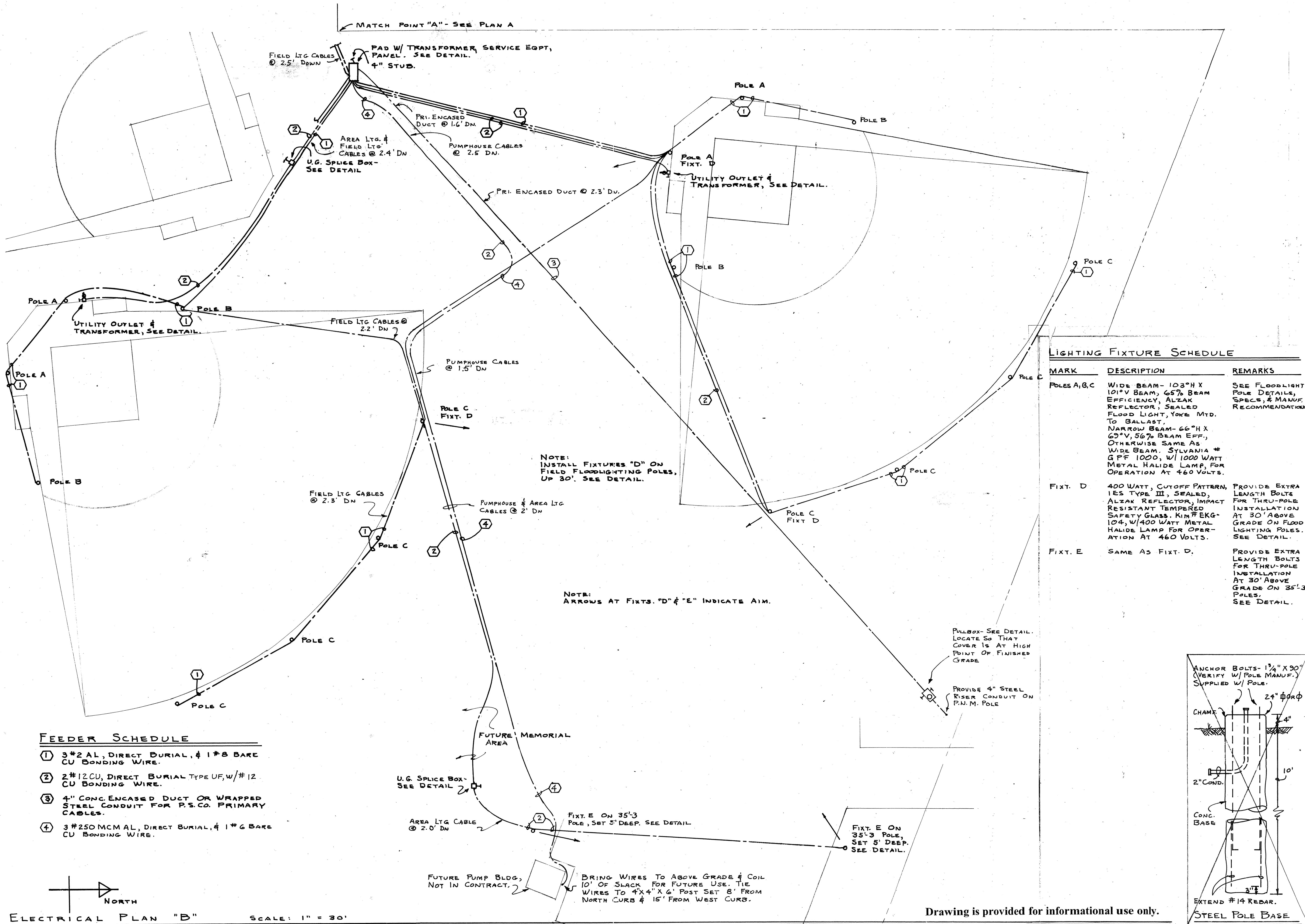


APRIL 7, 1976
D.S.F.



DON FOWLER
REGISTERED P.E.
-ALBUQUERQUE
1977-1978

SOFTBALL FIELD LIGHTING
U.S.S. BULLHEAD PARK, ALBUQUERQUE, N.M.
PLAN "B", FIXTURE SCHEDULE



FEEDER SCHEDULE

- ① 3#2 AL, DIRECT BURIAL, & 1#8 BARE CU BONDING WIRE.
- ② 2#12 CU, DIRECT BURIAL TYPE UF, W/#12 CU BONDING WIRE.
- ③ 4" CONC. ENCASED DUCT OR WRAPPED STEEL CONDUIT FOR P.S.CO. PRIMARY CABLES.
- ④ 3#250 MCM AL, DIRECT BURIAL, & 1#6 BARE CU BONDING WIRE.

LIGHTING FIXTURE SCHEDULE

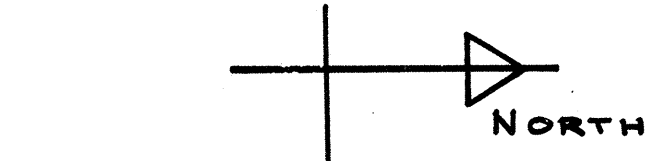
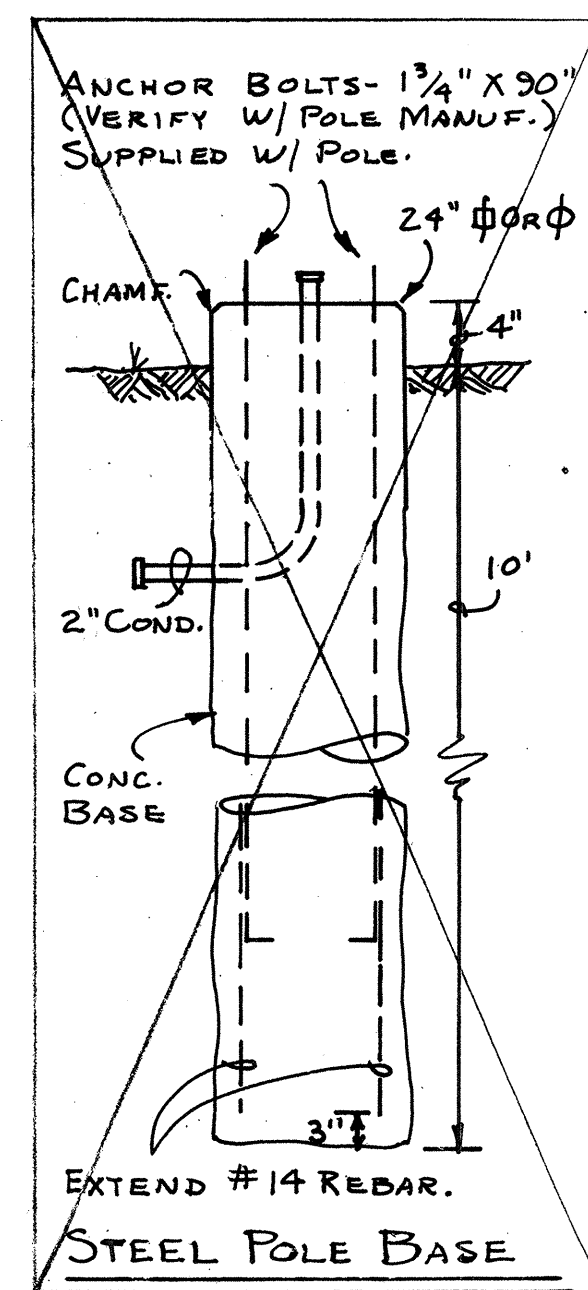
MARK	DESCRIPTION	REMARKS
POLES A,B,C	WIDE BEAM- 103° H X 101° V BEAM, 65% BEAM EFFICIENCY, ALZAK REFLECTOR, SEALED FLOOD LIGHT, YOKE MTD. TO BALLAST, NARROW BEAM- 66° H X 69° V, 56% BEAM EFF., OTHERWISE SAME AS WIDE BEAM. SYLVANIA # G PF 1000, W/ 1000 WATT METAL HALIDE LAMP, FOR OPERATION AT 460 VOLTS.	SEE FLOODLIGHT POLE DETAILS, SPECS, & MANUF. RECOMMENDATIONS
FIXT. D	400 WATT, CUTOFF PATTERN, IES TYPE III, SEALED, ALZAK REFLECTOR, IMPACT RESISTANT TEMPERED SAFETY GLASS, KIMFEKG-104, W/ 400 WATT METAL HALIDE LAMP FOR OPERATION AT 460 VOLTS.	PROVIDE EXTRA LENGTH BOLTS FOR THRU-POLE INSTALLATION AT 30' ABOVE GRADE ON FLOOD LIGHTING POLES. SEE DETAIL.
FIXT. E	SAME AS FIXT. D.	PROVIDE EXTRA LENGTH BOLTS FOR THRU-POLE INSTALLATION AT 30' ABOVE GRADE ON 35' POLES. SEE DETAIL.

NOTE:
INSTALL FIXTURES "D" ON
FIELD FLOODLIGHTING POLES,
UP 30'. SEE DETAIL.

NOTE:
ARROWS AT FIXTS. "D" & "E" INDICATE AIM.

PULLBOX- SEE DETAIL.
LOCATE SO THAT
COVER IS AT HIGH
POINT OF FINISHED
GRADE

PROVIDE 4" STEEL
RISER CONDUIT ON
P.N.M. POLE



ELECTRICAL PLAN "B" SCALE: 1" = 30'

Drawing is provided for informational use only.

As Constructed - Oct 1977 - DLF

APRIL 7, 1976
D.F.F.