



CONSULTANT
TJ KROB CONSULTING, INC.
100 S. JONES BLVD. SUITE 8
LAS VEGAS, NEVADA 89146
(702) 871-3821
ELECTRICAL ENGINEERING

BUCKSKIN BASIN
FIELD LIGHTING
ELECTRICAL SITE PLAN

DEPARTMENT OF PUBLIC WORKS
ARCHITECTURAL SERVICES
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-5535
FAX: (702) 382-5232
TDD: (702) 386-5108

ARCHITECT
RICHARD DANIELSON, AIA
DRAWN: JBN/LRG
FILE: 833/SITE
DATE: 01/25/99
SCALE: AS SHOWN
PROJECT: BUCKSKIN BASIN
FIELD LIGHTING
SHEET NO.

ES-2

675-V36

NOTES:

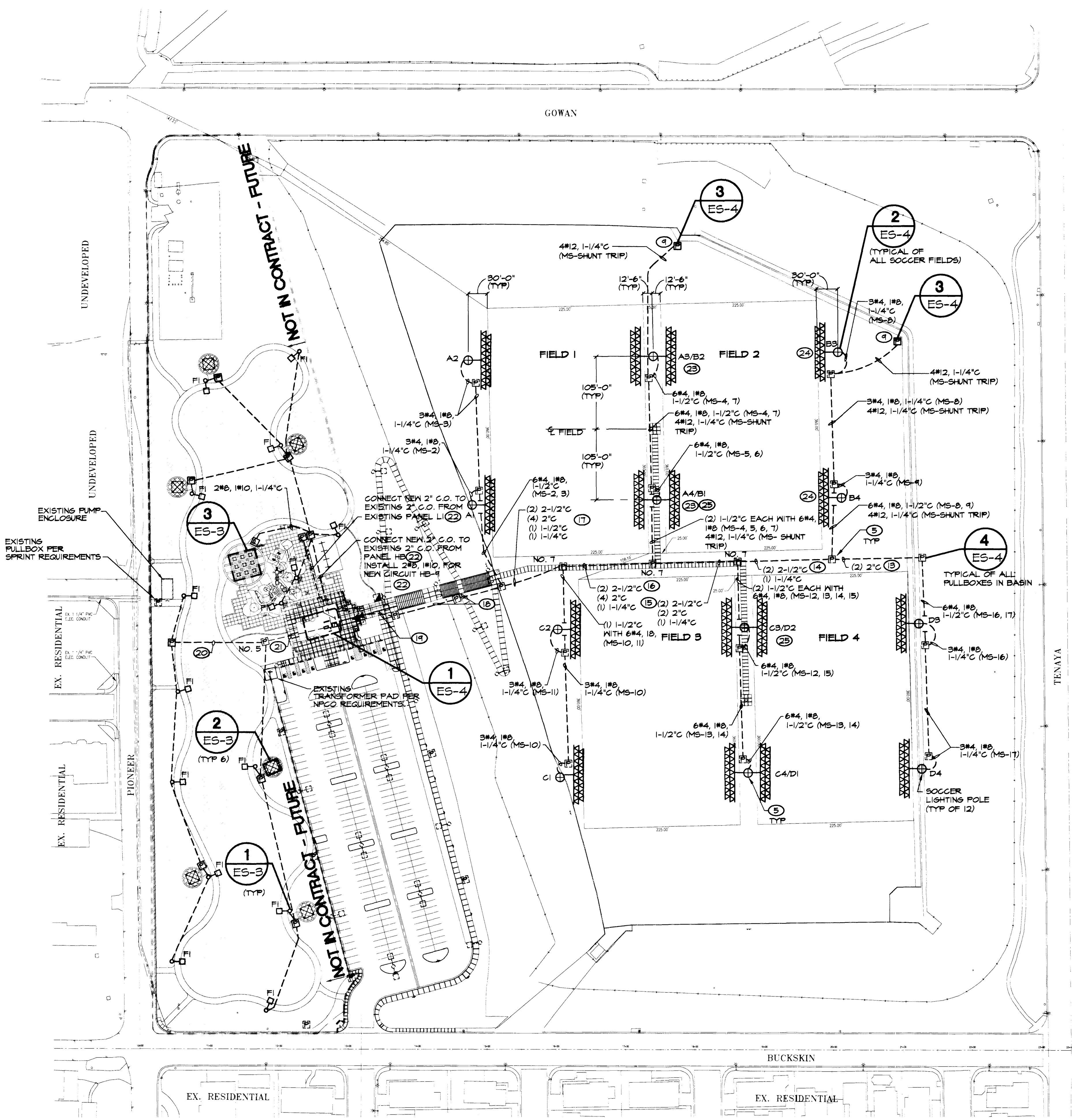
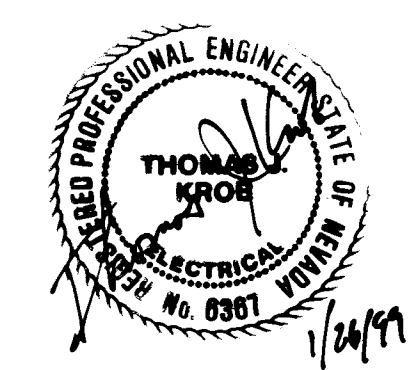
- 1 ALL SOCCER FIELD CONDUIT IS EXISTING. SEE SITE PLAN FOR NUMBER AND SIZES OF NEW WIRE TO BE INSTALLED.
- 2 ALL SOCCER FIELD PULLBOXES ARE EXISTING.
- 3 ALL PATHWAY PULLBOXES ARE NO. 3-1/2 UNLESS NOTED OTHERWISE. ALL METAL PULLBOXES ARE TO BE GROUNDED PER NEC AND CLV CODES.
- 4 SEE ONLINE DIAGRAM FOR CONDUIT AND WIRE SIZES.
- 5 PULLBOXES LOCATED IN SIDEWALK SHALL BE FLUSH WITH FINISHED GRADE. PULLBOXES LOCATED IN GRASS OR EARTH SHALL HAVE 8" MINIMUM COLLAR WITH #4 REBAR.
- 6 NOT USED.
- 7 NOT USED.
- 8 NOT USED.
- 9 LOCATION OF WATER LEVEL SENSOR WELL. SEE DETAIL 3, SHEET ES-4. VERIFY EXACT LOCATION WITH CONSTRUCTION PROJECT REPRESENTATIVE.
- 10 NOT USED.
- 11 NOT USED.
- 12 NOT USED.
- 13 (2) 2" C EACH WITH 3#10, 1#4 (MS-16, 17).
- 14 6#10, 1#6, 2-1/2" C (MS-8, 9), 6#10, 1#6, 2-1/2" C (MS-16, 17) 4#12, 1-1/4" C (MS-SHUNT TRIP)
- 15 6#10, 1#6, 2-1/2" C (MS-8, 9), 6#2, 1#8, 2" C (MS-12, 13), 6#2, 1#8, 2" C (MS-13, 14), 6#10, 1#6, 2-1/2" C (MS-16, 17), 4#12, 1-1/4" C (MS-SHUNT TRIP)
- 16 6#2, 1#8, 2" C (MS-4, 7), 6#2, 1#8, 2" C (MS-5, 6), 6#10, 1#6, 2-1/2" C (MS-8, 9), 6#2, 1#8, 2" C (MS-12, 13), 6#2, 1#8, 2" C (MS-13, 14), 6#10, 1#6, 2-1/2" C (MS-16, 17) 8#12, 1-1/4" C (MS-SHUNT TRIP)
- 17 6#12, 1-1/4" C (MS-ST), 6#2, 1#8, 2" C (MS-4, 7), 6#2, 1#8, 2" C (MS-5, 6), 6#4, 1#8, 1-1/2" C (MS-10, 11), 6#10, 1#6, 2-1/2" C (MS-8, 9), 6#2, 1#8, 2" C (MS-12, 13), 6#2, 1#8, 2" C (MS-13, 14), 6#10, 1#6, 2-1/2" C (MS-16, 17).
- 18 2#8, 1#10, 1-1/4" C (HB-1), 8#12, 1-1/4" C (MS-ST), 6#4, 1#8, 1-1/2" C (MS-2, 3), 6#2, 1#8, 2" C (MS-4, 7), 6#2, 1#8, 2" C (MS-5, 6), 6#4, 1#8, 2" C (MS-10, 11), 6#10, 1#6, 2-1/2" C (MS-8, 9), 6#10, 1#6, 2-1/2" C (MS-12, 13), 6#10, 1#6, 2-1/2" C (MS-13, 14), 6#10, 1#6, 2-1/2" C (MS-16, 17).
- 19 4#8, 1#10, 1-1/4" C (HB-1, 5), 8#12, 1-1/4" C (MS-ST), 6#4, 1#8, 1-1/2" C (MS-2, 3), 6#2, 1#8, 2" C (MS-4, 7), 6#2, 1#8, 2" C (MS-5, 6), 6#4, 1#8, 2" C (MS-10, 11), 6#10, 1#6, 2-1/2" C (MS-8, 9), 6#10, 1#6, 2-1/2" C (MS-12, 13), 6#10, 1#6, 2-1/2" C (MS-13, 14), 6#10, 1#6, 2-1/2" C (MS-16, 17).
- 20 ALL PATHWAY WIRE AND CONDUIT IS 2#8, 1#10, 1-1/4" C UNLESS NOTED OTHERWISE. PROVIDE PULLSTRINGS IN ALL SPARE CONDUITS. (FUTURE)
- 21 PROVIDE 2#8, 1#10, IN EXISTING SPARE CONDUIT FOR NEW CIRCUIT HB-4. (FUTURE)
- 22 FUTURE WORK - SHOWN FOR REFERENCE ONLY.
- 23 LUMINAIRE ASSEMBLIES FOR FIELD 2 ARE ADDITIVE ALTERNATE ITEMS (B1, B2).
- 24 POLES AND LUMINAIRE ASSEMBLIES FOR FIELD 2 ARE ADDITIVE ALTERNATE ITEMS (B3, B4).
- 25 CONTRACTOR SHALL SAWCUT AND REMOVE EXISTING CONCRETE WALK PANEL BETWEEN CLOSEST SCORE JOINTS AND REPLACE WITH NEW CONCRETE WALK AFTER FOUNDATION INSTALLATION. COORDINATE NEW WALKWAY INSTALLATION WITH CONSTRUCTION PROJECT REPRESENTATIVE. SEE SPECIFICATION SECTIONS 02113, 02115.

TABLE OF ELEVATIONS FOR SOCCER FIELD FOUNDATION BASEPLATES	
POLE:	ELEVATION:
A1	2319.16
A2	2311.94
A3/B2	2309.44
A4/B1	2311.41
B3	2309.44
B4	2310.66
C1	2317.00
C2	2319.00
C3/D2	2312.36
C4/D1	2313.35
D3	2315.00
D4	2316.00

NOTES:
1. CONTRACTOR SHALL VERIFY ALL ELEVATIONS PRIOR TO CONSTRUCTION AND NOTIFY CLV CONSTRUCTION PROJECT REPRESENTATIVE OF ANY DISCREPANCIES IN WRITING.
2. ELEVATIONS ARE BASED ON GOWAN DETENTION BASIN PLANS, CLV PUBLIC WORKS BID NO. 92.1730.03, DRAWING NO. T31-55A.

SUMMARY OF WORK - THIS SHEET ONLY

1. ALL CONDUIT AND PULLBOXES FOR SOCCER FIELD LIGHTING ARE EXISTING.
2. ALL LUMINAIRES, WIRE AND CONDUIT FOR PARKING LOT LIGHTING IS EXISTING.
3. ALL LUMINAIRES, WIRE AND CONDUIT BETWEEN RESTROOM AND SOCCER FIELDS ARE EXISTING.
4. CONDUIT TO NO. 5 PULLBOX WEST OF RESTROOM, NO. 5 PULLBOX ARE EXISTING.
5. CONDUIT, WIRE, PULLBOXES AND (B) FI LUMINAIRES WEST OF RESTROOM ARE FUTURE WORK. WIRE AND CONDUIT FROM NO. 5 PULLBOX IS FUTURE WORK.
6. CONDUIT, WIRE, PULLBOXES (7) FI LUMINAIRES AT TOT LOT AND NORTH OF RESTROOM ARE FUTURE WORK. 2" C FROM CONDUIT STUBS AT RESTROOM TO PULLBOXES IN TOT LOT IS FUTURE WORK.
7. SHELTER LIGHTING WIRE AND CONDUIT IS FUTURE WORK.
8. SOCCER POLES, LUMINAIRE ASSEMBLIES AND WIRING ARE NEW. SEE NOTE 11. BELOW.
9. WATER LEVEL SENSOR WELLS ARE NEW.
10. WIRING FROM WATER LEVEL SENSOR WELLS TO SHUNT TRIP IS NEW. CONDUIT FROM SENSOR WELLS TO SOCCER FIELD PULLBOXES IS NEW.
11. SOCCER LUMINAIRE ASSEMBLIES FOR POLES B1, B2, B3, B4 ARE ADDITIVE ALTERNATE ITEMS. POLES B3, B4 ARE ADDITIVE ALTERNATIVE ITEMS. WIRING IS INCLUDED IN THE BASE BID.



ELECTRICAL SITE PLAN

SCALE: 1"=80'-0"

