



October 14, 2011

RE: Olmos Basin Central Watershed Sewer Relief Main (C-3) Project  
SAWS Sewer Job No. 08-2512

The attached Lions Field Irrigation Plans and Lions Field Electrical Plans are provided as supplemental information and do not supersede the San Antonio Water System construction details, specifications, special conditions, or the Contract Documents.

Sincerely,

A handwritten signature in blue ink, appearing to read 'T E Klein Jr'.

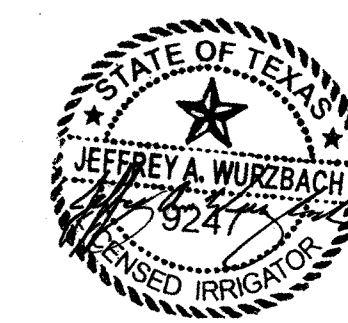
Thomas E. Klein, Jr., P.E., PMP  
Project Engineer  
Replacements & Improvements

Attachments

Lions Field Irrigation Plans  
Lions Field Electrical Plans

**Brackenridge  
Park  
Rehabilitation  
Package "B"**

CONSULTANTS:  
CIVIL ENGINEER:  
PAPE-DAWSON ENGINEERS  
MEP ENGINEERS:  
K.M. NG & ASSOCIATES, INC.  
STRUCTURAL ENGINEERS:  
LEHMANN ENGINEERING



7-26-04

**CONSTRUCTION  
DOCUMENTS**



Issue Date **MAY 24, 2004**

Revisions  
RE-ISSUE 7/26/04

Project Number: 0204

Drawn By: JW

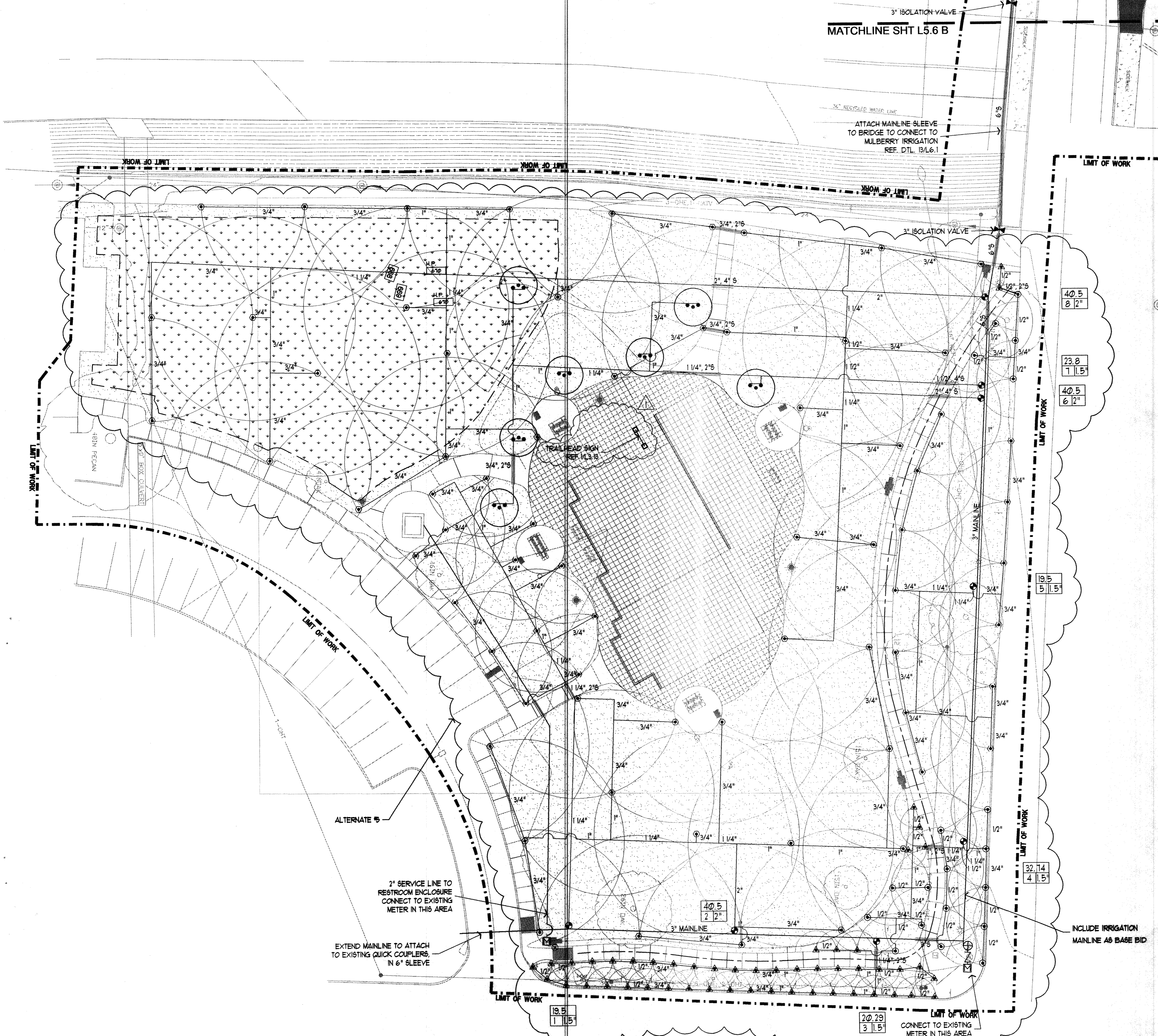
Checked By: JWG

Sheet Title

**LION'S FIELD  
IRRIGATION PLAN**

Sheet Number

**L5.10**



**LEGEND**

- ☐ 2" WATER METER (EXISTING)
- ⌞ 2" FEBCO 850 BACKFLOW PREVENTOR
- ⊕ HUNTER ICV-201G MASTER VALVE
- ⊙ HUNTER ICV-A6 SECTION VALVES
- ⊙ RAINBIRD 44LRC QUICK COUPLING VALVE
- ⊙ RAINBIRD 1806-5 SERIES
- ⊙ RAINBIRD 1806-8 SERIES
- ⊙ RAINBIRD 1806-12 SERIES
- ⊙ RAINBIRD 1806-15 SERIES
- ⊙ HUNTER PGM-04-A, 1.5 NOZZLE
- ⊙ HUNTER PGP-ADJ-06
- ⊙ RAINBIRD 1300A-F TREE BUBBLER

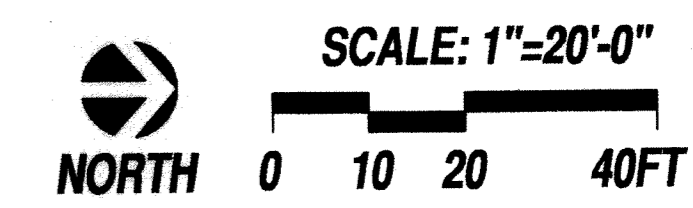
PSI	RAD	GPM
30	5'	F: .41, H: .20, T: .13, Q: .1
30	8'	F: 1.05, H: .52, T: .35, Q: .26
30	12'	F: 2.6, H: 1.3, T: .81, Q: .65
30	15'	F: 3.1, H: 1.85, T: 1.23, Q: .92
40	24'	1.5
50	40'	2.1
30	--	1.1

MAIN SUPPLY LINES PVC-SCH. 40  
LATERAL LINES PVC-CLASS 200 # 315  
RECLAIMED WATER MAINLINE PVC-SCH. 40 (PURPLE COLOR)  
SLEEVES PVC SCH. 40  
4" IN-LINE BRONZE GATE VALVE

GALLONS PER MINUTE  
ZONE NUMBER  
VALVE SIZE

NOTE: CONTROLLER: HUNTER ICC TO BE FIELD LOCATED, AND RAIN & FREEZE AND FLOW SENSORS. INSTALL POP-UP SPRAY AND ROTOR HEADS WITH FACTORY INSTALLED DRAIN CHECK VALVES IN ANY SPRINKLER LOCATION WHERE LOW HEAD DRAINAGE MAY OCCUR.

IRRIGATION SYSTEM DESIGNED FOR MINIMUM OPERATING PRESSURE OF 50 PSI AT POINT OF CONNECTION.



**Brackenridge  
Park  
Rehabilitation  
Package "B"**

CONSULTANTS:  
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PAPE-DAWSON ENGINEERS  
MEP ENGINEERS:  
K.M. NG & ASSOCIATES, INC.  
STRUCTURAL ENGINEERS:  
LEHMANN ENGINEERING

K.M. NG & ASSOCIATES, INC.  
CONSULTING ENGINEERS  
SAN ANTONIO, TEXAS 78201



**CONSTRUCTION  
DOCUMENTS**



Issue Date: MAY 24, 2004

Revisions: RE-ISSUE 7/26/04

Project Number: 0204

Drawn By: E.C.

Checked By: R.T.W.

Sheet Title:

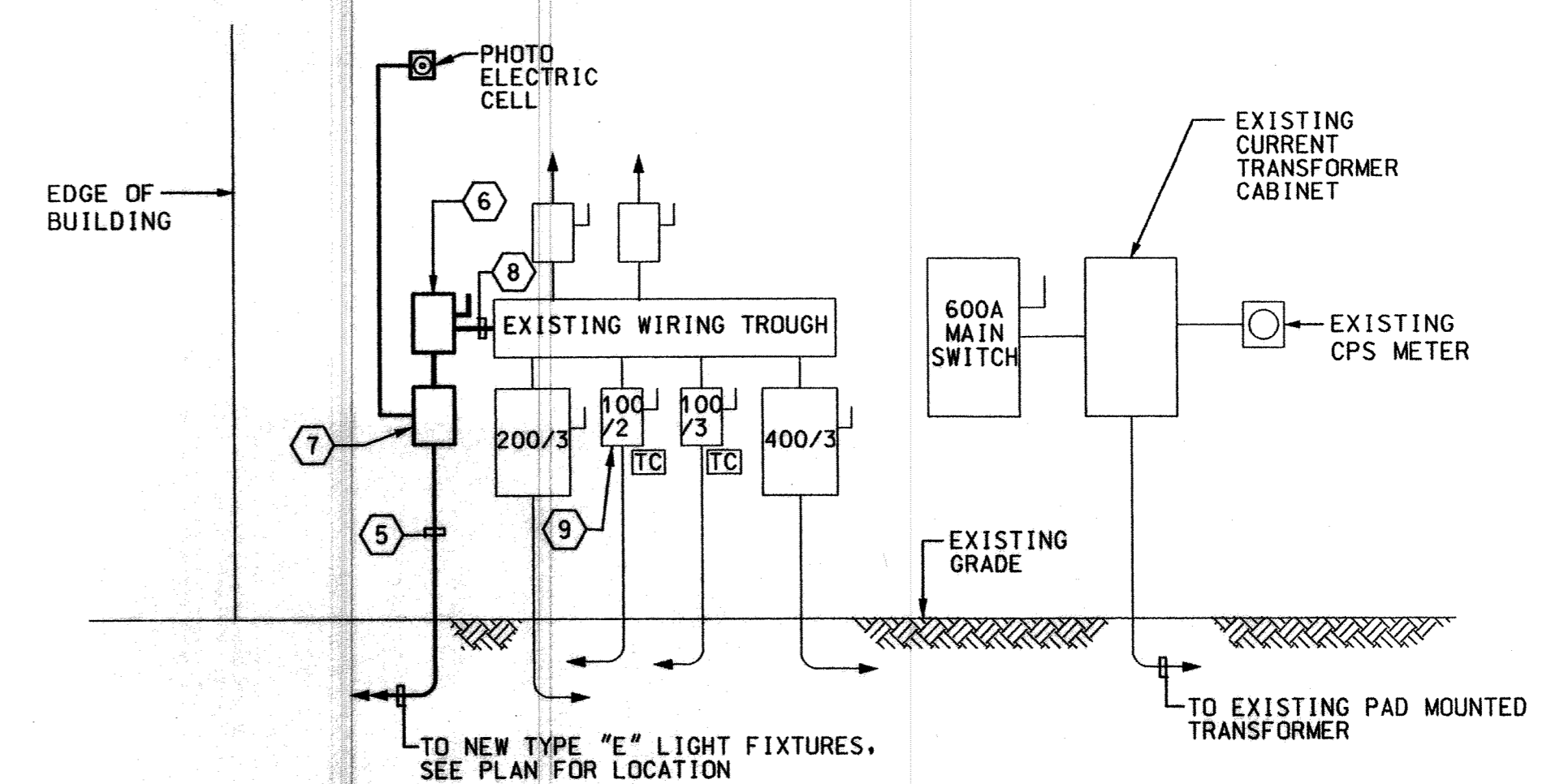
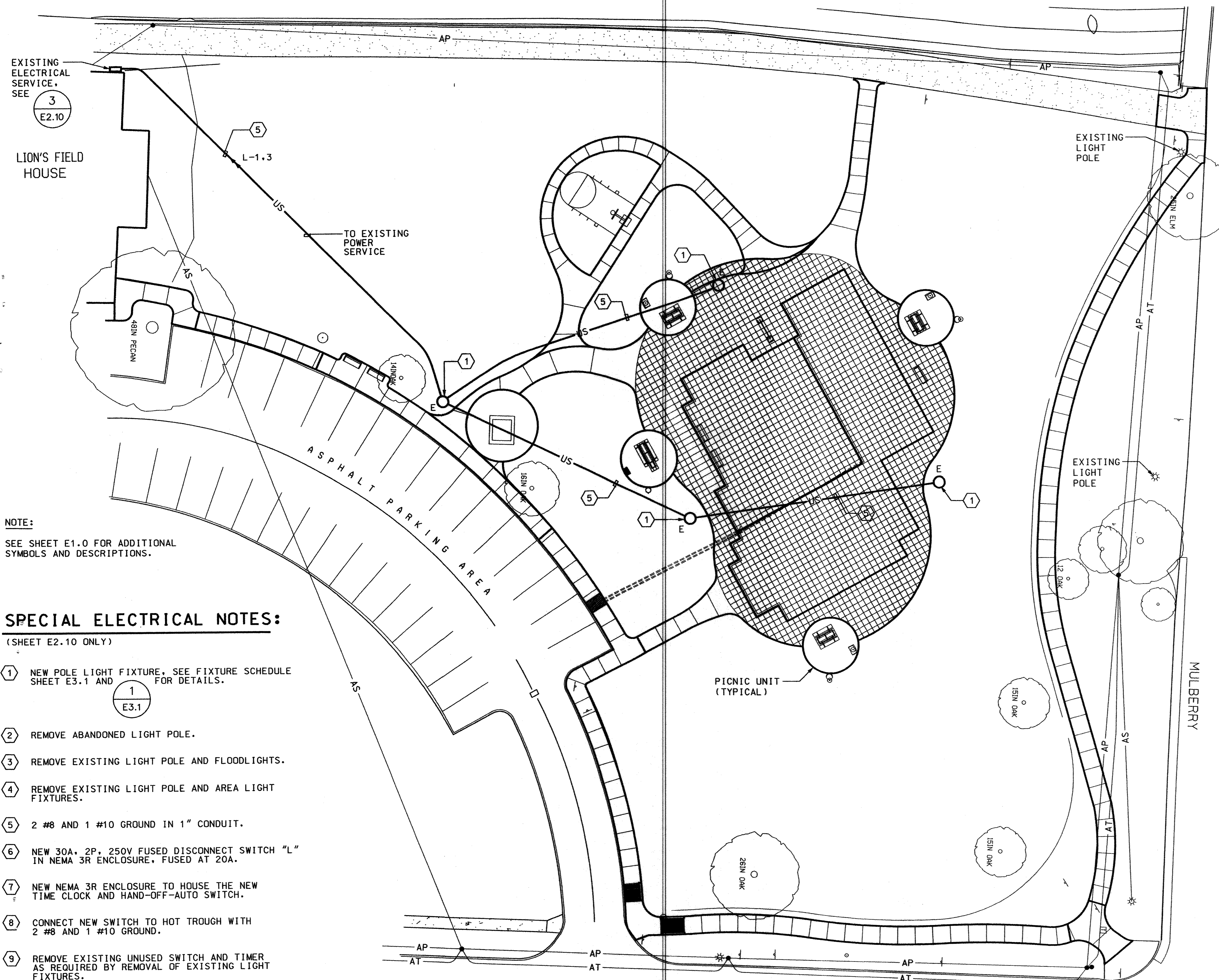
**LION'S FIELD  
ELECTRICAL  
SITE PLAN  
ALTERNATE #5**

Sheet Number:

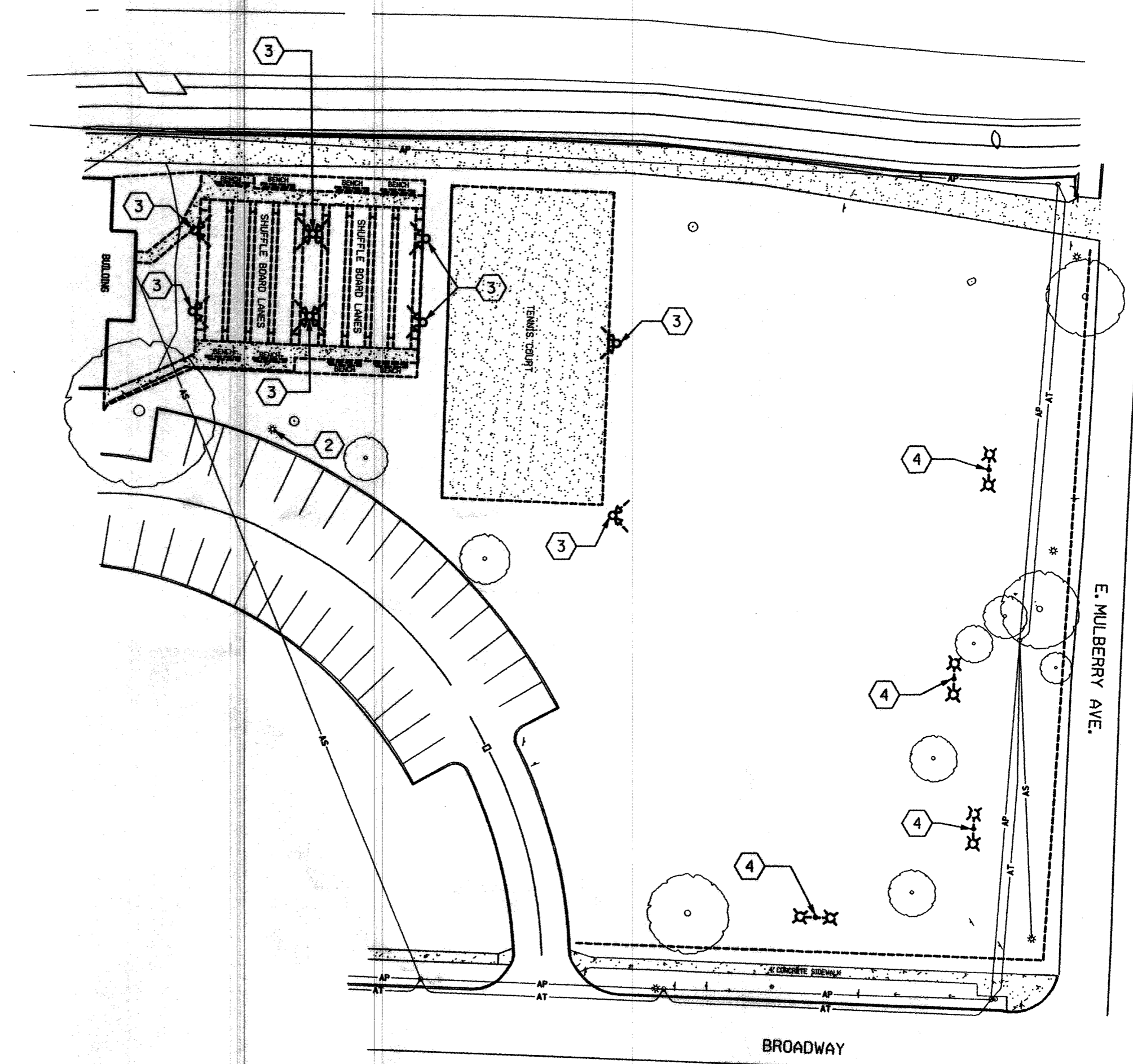
**E2.10**

MATCHLINE SHT E2.6B

MATCHLINE SHT E2.6B



**3 ELECTRIC RISER DIAGRAM** NO SCALE



**2 LION'S FIELD - ELECTRICAL DEMOLITION** SCALE: 1"=40'-0"

NOTE:  
SEE SHEET E1.0 FOR ADDITIONAL  
SYMBOLS AND DESCRIPTIONS.

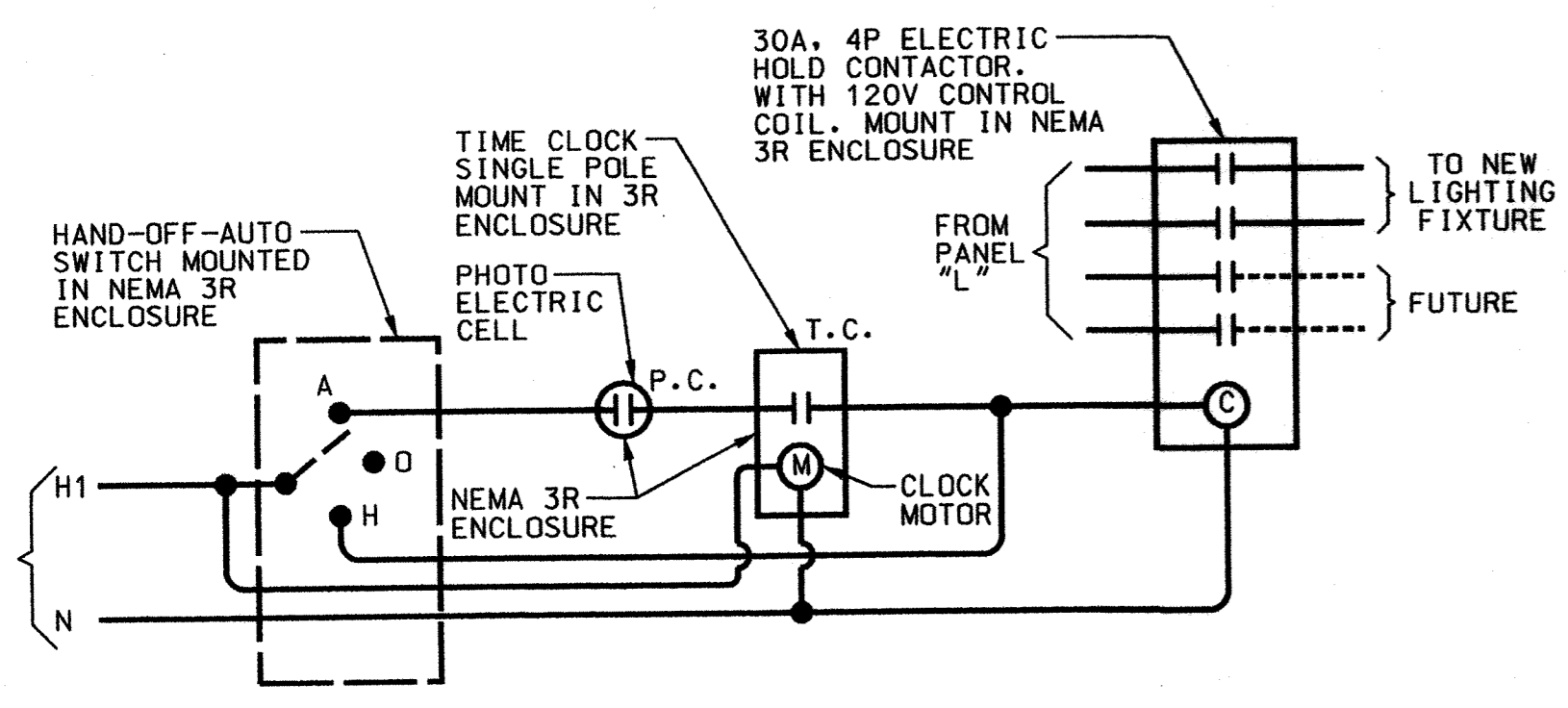
**SPECIAL ELECTRICAL NOTES:**

- 1 NEW POLE LIGHT FIXTURE. SEE FIXTURE SCHEDULE SHEET E3.1 AND FOR DETAILS.
- 2 REMOVE ABANDONED LIGHT POLE.
- 3 REMOVE EXISTING LIGHT POLE AND FLOODLIGHTS.
- 4 REMOVE EXISTING LIGHT POLE AND AREA LIGHT FIXTURES.
- 5 2 #8 AND 1 #10 GROUND IN 1" CONDUIT.
- 6 NEW 30A, 2P, 250V FUSED DISCONNECT SWITCH "L" IN NEMA 3R ENCLOSURE, FUSED AT 20A.
- 7 NEW NEMA 3R ENCLOSURE TO HOUSE THE NEW TIME CLOCK AND HAND-OFF-AUTO SWITCH.
- 8 CONNECT NEW SWITCH TO HOT TROUGH WITH 2 #8 AND 1 #10 GROUND.
- 9 REMOVE EXISTING UNUSED SWITCH AND TIMER AS REQUIRED BY REMOVAL OF EXISTING LIGHT FIXTURES.

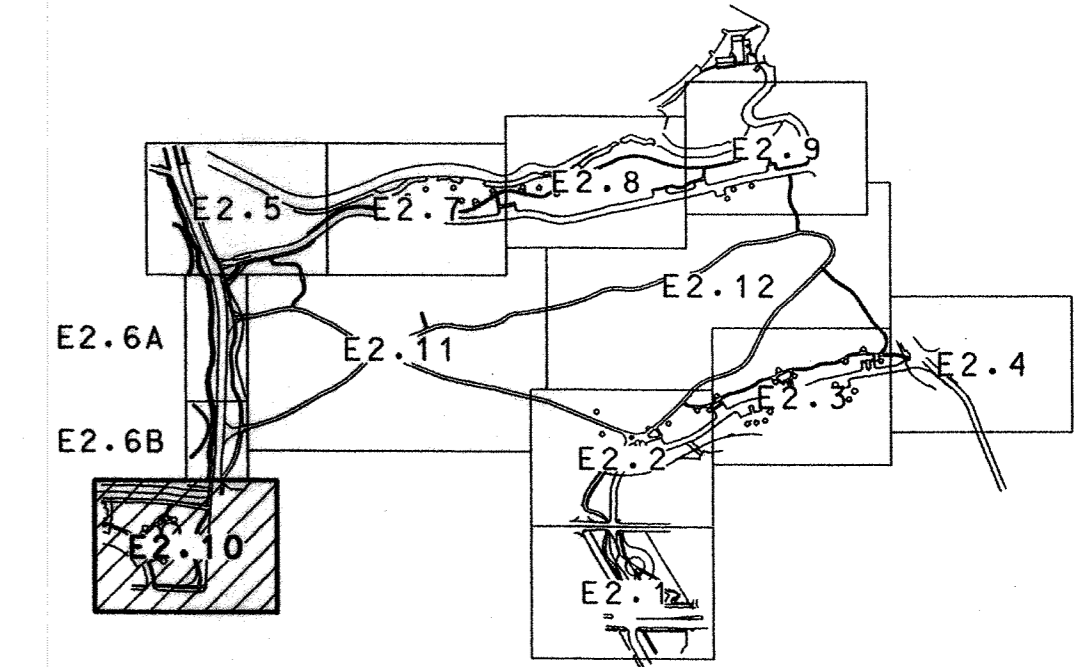
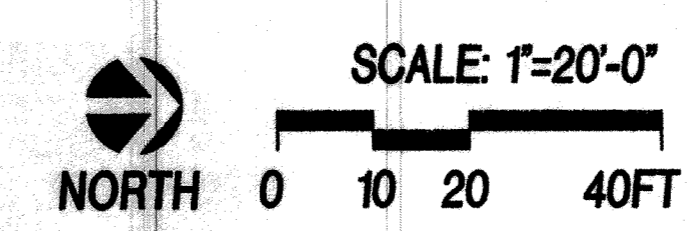
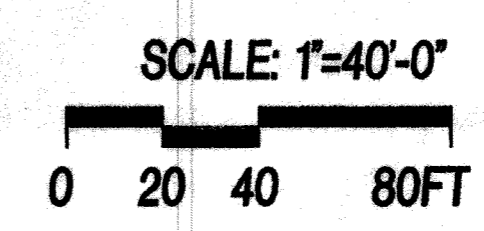
**1 LION'S FIELD - ELECTRICAL NEW WORK** SCALE: 1"=20'-0"

**LEGEND**

- A ○ NEW INGROUND FIXTURE - LETTER DENOTES TYPE IN FIXTURE SCHEDULE SHEET E3.1.
- B ○ NEW POLE LIGHT TOP FIXTURE - LETTER DENOTES TYPE IN FIXTURE SCHEDULE SHEET E3.1.
- C ○ NEW TREE BULLET UPLIGHT FIXTURE - LETTER DENOTES TYPE IN FIXTURE SCHEDULE SHEET E3.1.
- D ○ NEW TREE BULLET DOWNLIGHT FIXTURE - LETTER DENOTES TYPE IN FIXTURE SCHEDULE SHEET E3.1.
- E ○ NEW POLE LIGHT FIXTURE - LETTER DENOTES TYPE IN FIXTURE SCHEDULE SHEET E3.1.



**4 NIGHT LIGHTING CONTROL SCHEMATIC (FOR PANEL "L")** NO SCALE



**KEY PLAN** NO SCALE

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