



CITY OF GREENVILLE
GREENVILLE, NORTH CAROLINA

PUBLIC WORKS SITE LIGHTING
PHASE 2

ITB 22-23-37

TEG PROJECT NO. 20230032

ISSUE FOR BID

APRIL 5, 2023

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PROJECT NOTES

- 1. THIS PROJECT REQUIRES THE INSTALLATION OF: CONCRETE FOUNDATION & POLE MOUNTED AREA LIGHTING FIXTURES... 2. CONTRACTOR SHALL PROVIDE POLE FOUNDATIONS, LIGHT FIXTURES, LIGHT POLES, PULL BOXES, ELECTRICAL POWER CIRCUITING, ETC. AS CALLED OUT IN THIS DRAWING PACKAGE FOR THE INSTALLATION OF THE SITE LIGHTING...

ELECTRICAL GENERAL NOTES - CONTINUED

- 20. UNDERGROUND CONDUITS SHALL BE PVC SCHEDULE 80 ONLY. 21. UNDERGROUND DIRECTIONAL BORING CONDUIT (POWER): UNDERGROUND DIRECTIONAL BORING CONDUIT SHALL BE HDPE, GRAY IN COLOR. 22. UNDERGROUND PVC CONDUITS SHALL BE INSTALLED AT A MINIMUM OF 36" BELOW FINISHED GRADE WITH DETECTABLE BURIAL TAPE...

ABBREVIATIONS

Table with 2 columns: Abbreviation and Description. Includes 2/C (2 CONDUCTOR), A (AMPS), AFF (ABOVE FINISHED FLOOR), AFG (ABOVE FINISHED GRADE), BKR (BREAKER), BOC (BOTTOM OF CONDUIT), C (CONDUIT), EC (ELECTRICAL CONTRACTOR), EMT (ELECTRICAL METALLIC TUBING), ETR (EXISTING TO REMAIN), EX (EXISTING), FMC (FLEXIBLE METAL CONDUIT), FT (FEET), GND (GROUND), GFCI (GROUND FAULT CIRCUIT INTERRUPTER), HP (HORSE POWER), HZ (HERTZ), IMC (INTERMEDIATE METAL CONDUIT), IN (INCHES), IU (IN USE), ISO GND (ISOLATED GROUND), LPMC (LIQUID FLEXIBLE METAL CONDUIT), LTS (LIGHTS), N (NEUTRAL), NTS (NOT TO SCALE), PH (PHASE), RL (RELOCATED), RMC (RIGID METAL CONDUIT), TWSH (TWISTED SHIELDED), TYP (TYPICAL), UNO (UNLESS NOTED OTHERWISE), VA (VOLT AMPS), VAC (VOLTS AC), WP (WEATHER PROOF).

LEGEND

Legend symbols and descriptions: JUNCTION BOX/DEVICE BOX WITH COVER, LOCATE AS REQUIRED FOR EQUIPMENT SERVED. DEVICE AS INDICATED. AREA POLE MOUNTED LIGHT FIXTURE, "XX" INDICATES FIXTURE TYPE. BOLLARD LIGHT FIXTURE, "XXX" INDICATES FIXTURE TYPE. ELECTRICAL PANEL, SURFACE MOUNTED, TOP OF PANEL 72" AFF UNO. ELECTRICAL PANEL, FLUSH MOUNTED, TOP OF PANEL 72" AFF UNO. REFERENCE TO ENLARGED PLAN, ELEVATION, SECTION, OR DETAIL TOP SECTION INDICATES ENLARGED PLAN, ELEVATION, SECTION OR DETAIL NUMBER. NOTE NUMBER, WHERE "#" INDICATES NOTE NUMBER.

ELECTRICAL LOAD SUMMARY

Table for Electrical Load Summary: BUILDING 'F' - PANEL 'CS' - (E2.1). Columns: ELECTRICAL, VA LOAD. Rows: CONNECTED LOAD - ADDED (1,560 VA), CONNECTED LOAD - EXISTING TO BE DEMOLISHED (0 VA), NET BUILDING LOAD: NEW MINUS DEMO (1,560 VA).

ELECTRICAL LOAD SUMMARY

Table for Electrical Load Summary: OUTSIDE - PANEL 'OUTSIDE' - (E2.2). Columns: ELECTRICAL, VA LOAD. Rows: CONNECTED LOAD - ADDED (976 VA), CONNECTED LOAD - EXISTING TO BE DEMOLISHED (0 VA), NET BUILDING LOAD: NEW MINUS DEMO (976 VA).

ELECTRICAL LOAD SUMMARY

Table for Electrical Load Summary: BUILDING 'A' - PANEL 'MP' - (E2.2). Columns: ELECTRICAL, VA LOAD. Rows: CONNECTED LOAD - ADDED (132 VA), CONNECTED LOAD - EXISTING TO BE DEMOLISHED (0 VA), NET BUILDING LOAD: NEW MINUS DEMO (132 VA).

ALTERNATES

- 1. ADD ALTERNATE #1: DEMO OF FIXTURE, INSTALLATION OF THREE LIGHT FIXTURES, POLES, FOUNDATIONS, & CIRCUITING FOR AREA NORTH OF BUILDING A. 2. ADD ALTERNATE #2: INSTALLATION LIGHTING FIXTURE BOLLARDS, FOUNDATIONS, & CIRCUITING FOR SIDEWALK IN FRONT OF BUILDING A.

ELECTRICAL GENERAL NOTES

- 1. EC SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING A BID TO EXAMINE THE EXISTING CONDITIONS AND THE EXTENT AND NATURE OF THE WORK REQUIRED. 2. PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT, AND PERFORM ALL OPERATIONS NECESSARY FOR THE INSTALLATION OF COMPLETE ELECTRICAL WORK WITHIN THE INTENT OF, AND AS INDICATED ON, THE DRAWINGS AND AS HEREIN SPECIFIED. 3. CONTRACTOR'S QUALIFICATIONS: IT IS ASSUMED THE CONTRACTOR HAS HAD SUFFICIENT GENERAL KNOWLEDGE AND EXPERIENCE TO ANTICIPATE THE NEEDS OF CONSTRUCTION OF THIS NATURE...

LIGHTING FIXTURE SCHEDULE

Table with columns: TYPE, DESCRIPTION, MANUFACTURER / CATALOG NUMBER, VOLTS, QTY., TYPE, WATTS, COLOR, REMARKS. Includes rows for A1 (POLE MOUNTED AREA LIGHT, LED, 4000K), F1 (POLE MOUNTED AREA LIGHT, LED, 4000K), and Z1 (BOLLARD, LED, ASYMMETRIC, 4000K).



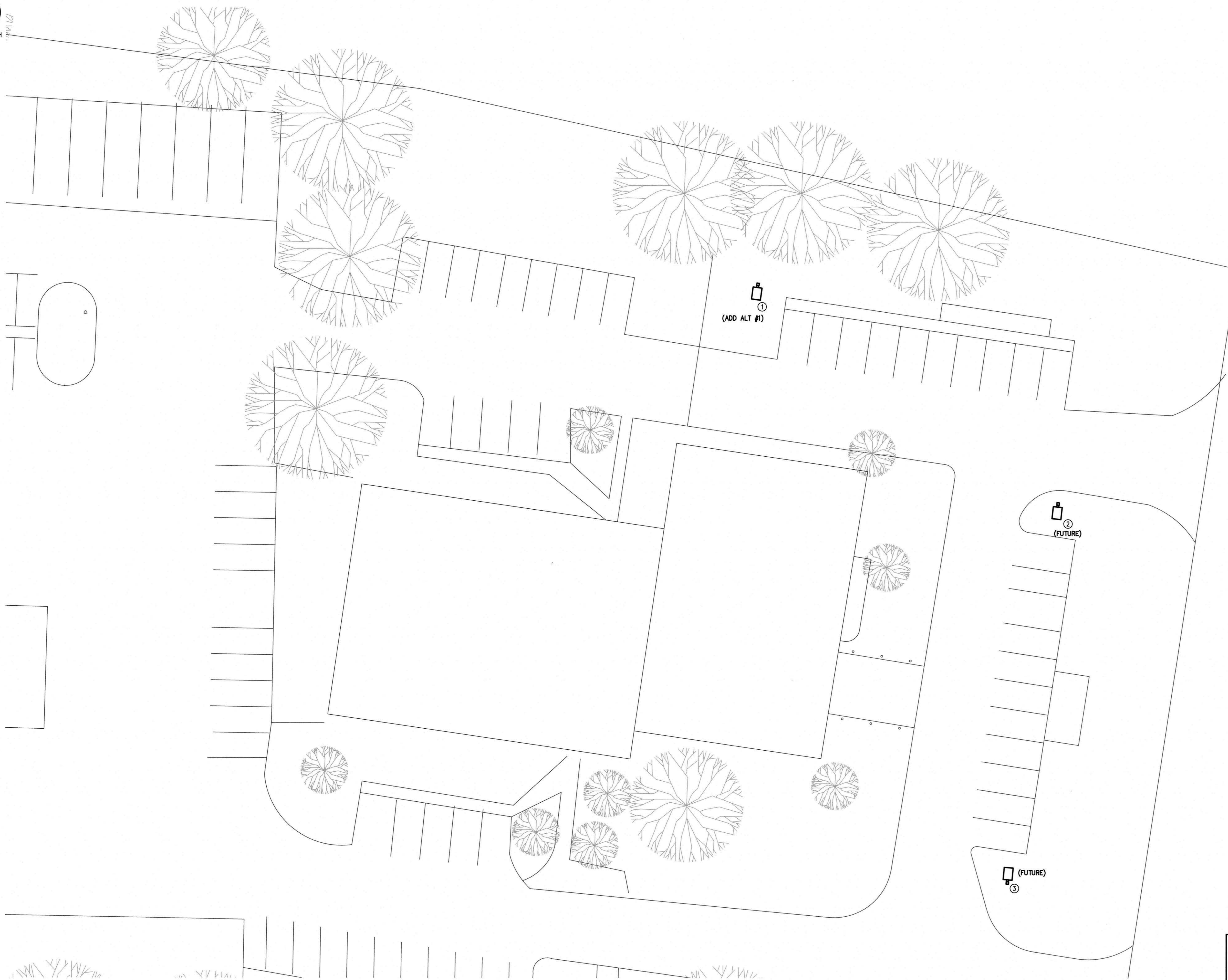
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4-5-2023

Revision table with columns: REV, DATE, DESCRIPTION. Includes entries for 03-27-23 and 04-05-23.

Project information: ITB 22-23-37, CITY OF GREENVILLE PUBLIC WORKS SITE LIGHTING (PHASE 2), ELECTRICAL LEAD SHEET, E0.1



NOTES

- ① ADD ALTERNATE 1: DEMO POLE AREA LIGHTING FIXTURE, POLE FOUNDATION AND CIRCUITING BACK TO SOURCE. LIGHTING FIXTURE FED FROM PANEL 'D' CIRCUIT 5.7 IN BUILDING 'B'. BACK FILL HOLE & RESEED TO RESTORE BACK TO ADJACENT AREA. PROVIDE IN GROUND JUNCTION BOX FOR RECONNECTION OF CIRCUIT TO REMAINING DOWN STREAM LOADS.
- ② FUTURE: DEMO POLE AREA LIGHTING FIXTURE, POLE FOUNDATION AND CIRCUITING BACK TO SOURCE. LIGHTING FIXTURE FED FROM PANEL 'D' CIRCUIT 5.7 IN BUILDING 'B'. BACK FILL HOLE & RESEED TO RESTORE BACK TO ADJACENT AREA. SHOWN HERE FOR REFERENCE ONLY.
- ③ FUTURE: DEMO POLE AREA LIGHTING FIXTURE, POLE FOUNDATION AND CIRCUITING BACK TO SOURCE. LIGHTING FIXTURE FED FROM PANEL 'D' CIRCUIT 5.7 IN BUILDING 'B'. BACK FILL HOLE & RESEED TO RESTORE BACK TO ADJACENT AREA. SHOWN HERE FOR REFERENCE ONLY.



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4-5-2023

| REV | DATE | DESCRIPTION | BY | CHK |
|-----|----------|------------------------|-----|-----|
| A | 03-27-23 | ISSUE FOR OWNER REVIEW | DLM | |
| B | 04-05-23 | ISSUE FOR BID | DLM | |
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TEC PROJECT NO. 20230032
 CLIENT PROJECT NO. ITB 22-23-37
 PROJECT TITLE
 CITY OF GREENVILLE
 PUBLIC WORKS
 SITE LIGHTING
 (PHASE 2)

DRAWING TITLE
 ELECTRICAL
 DEMOLITION PLAN
 BUILDING 'A'

DRAWING NO.
E1.1

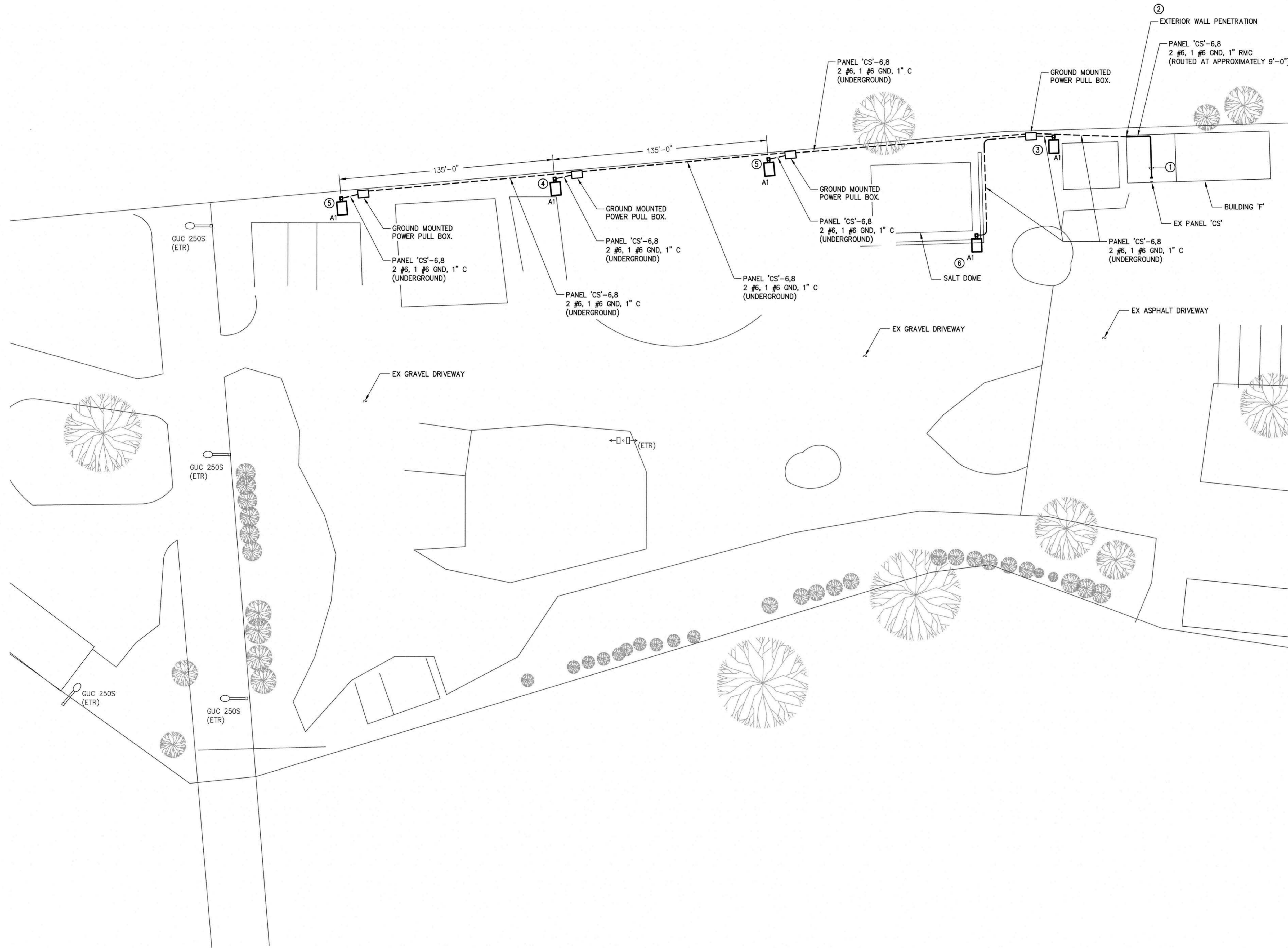
1 ENLARGED DEMOLITION PLAN
 E1.1 1/16"=1'-0" - BUILDING 'A' EAST

KEY PLAN
 NTS

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PLAN NORTH



NOTES

- ① OPEN CEILING AREA. WHERE CONDITIONS ALLOW, ROUTE CONDUIT TIGHT TO BOTTOM SIDE OF THE ROOF DECKING SUPPORT STRUCTURE.
- ② PENETRATE & EXTEND CONDUIT THRU EXTERIOR WALL. EXTEND CONDUIT DOWN EXTERIOR WALL TO BELOW GROUND.
- ③ LOCATE POLE BASE CENTERED BETWEEN THE SALT DOME RETAINING WALL & BUILDING 'F' WALL. LOCATE POLE BASE CENTERED APPROXIMATELY 4'-0" FROM CHAIN LINKED FENCE.
- ④ LOCATE POLE BASE CENTERED BETWEEN THE SALT DOME RETAINING WALL & ROADWAY BACK OF CURB. LOCATE POLE BASE CENTERED APPROXIMATELY 4'-0" FROM CHAIN LINKED FENCE.
- ⑤ LOCATE POLE BASE CENTERED APPROXIMATELY 4'-0" FROM CHAIN LINKED FENCE.
- ⑥ LOCATE POLE BASE CENTERED BETWEEN THE OUTSIDE EDGE OF THE SALT BUILDING WALL AND THE INSIDE EDGE OF THE OUTER RETAINING WALL. COORDINATE THE EXACT LOCATION WITH OWNER. LOCATE THE TOP OF THE POLE FOUNDATION 4'-0" ABOVE THE FINISHED GRADE THAT IS OUTSIDE OF THE RETAINING WALL AREA.



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4-5-2023

| REV | DATE | DESCRIPTION | BY | CHK |
|-----|----------|------------------------|----|-----|
| A | 03-27-23 | ISSUE FOR OWNER REVIEW | | |
| B | 04-05-23 | ISSUE FOR BID | | |

PROJECT NO. 20230032

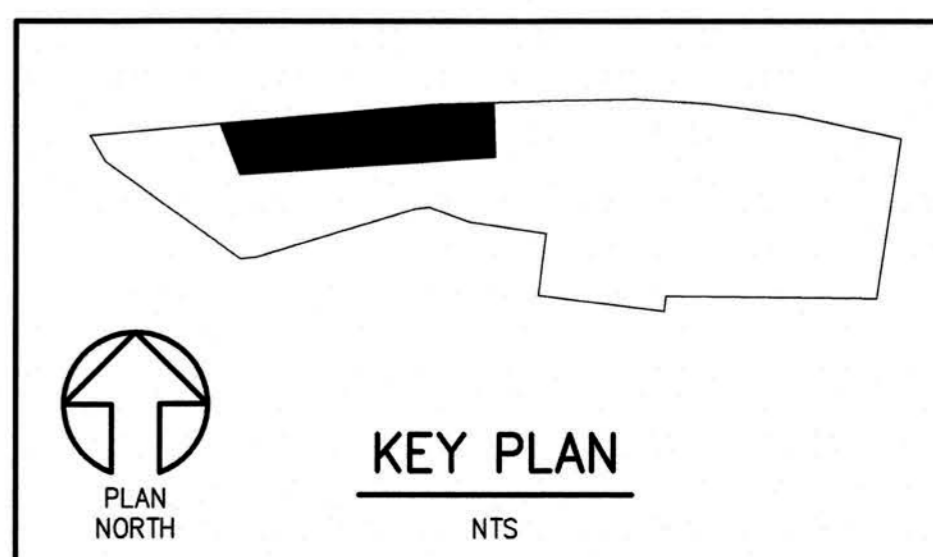
CLIENT PROJECT NO. ITB 22-23-37

CITY OF GREENVILLE
PUBLIC WORKS
SITE LIGHTING
(PHASE 2)

ELECTRICAL
ENLARGED SITE
LIGHTING PLAN
BUILDING 'F' WEST

DRAWING NO. E2.1

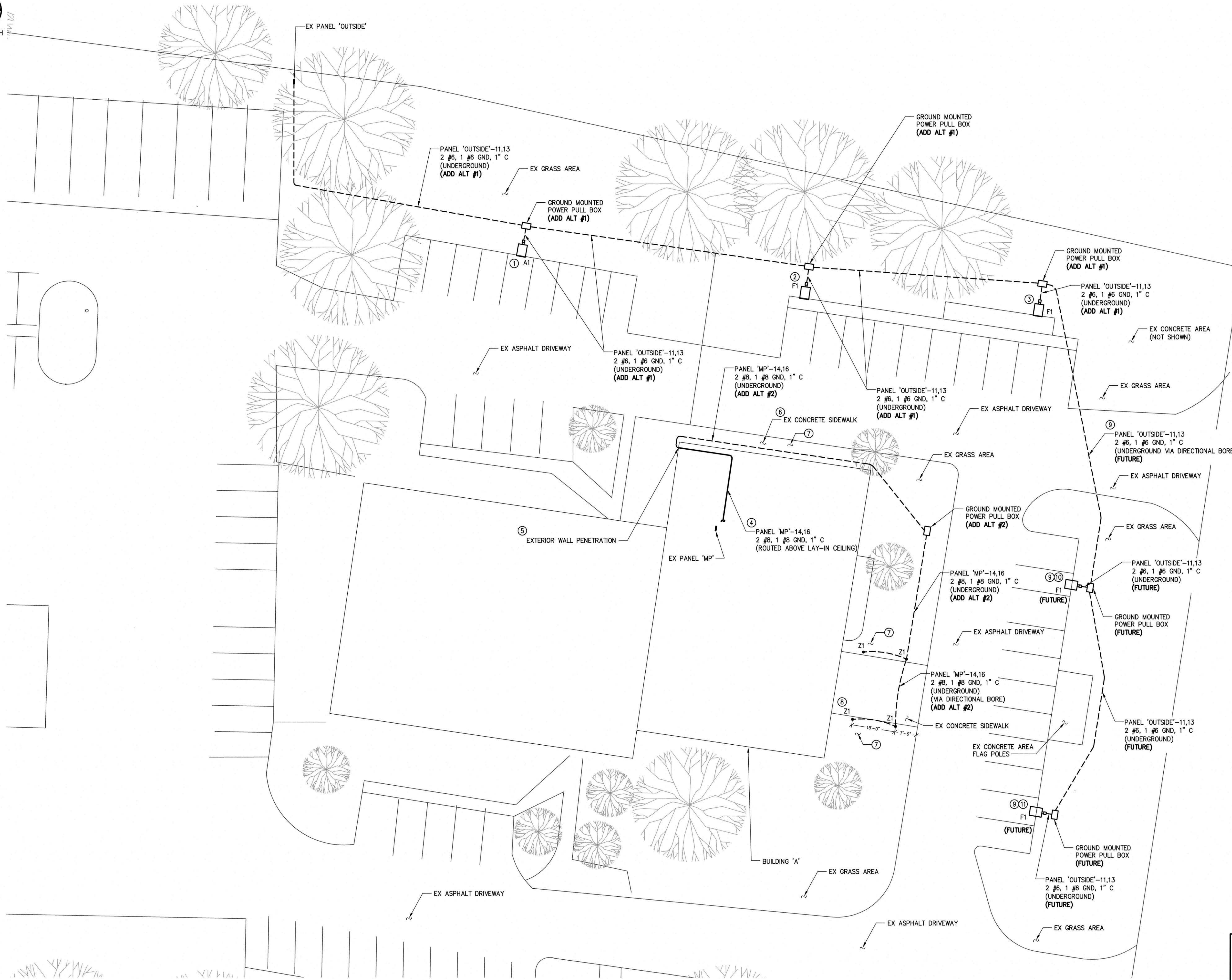
1 ENLARGED SITE LIGHTING PLAN
E2.1 3/32"=1'-0" - BUILDING 'F' WEST



KEY PLAN
NTS



PLAN NORTH



NOTES

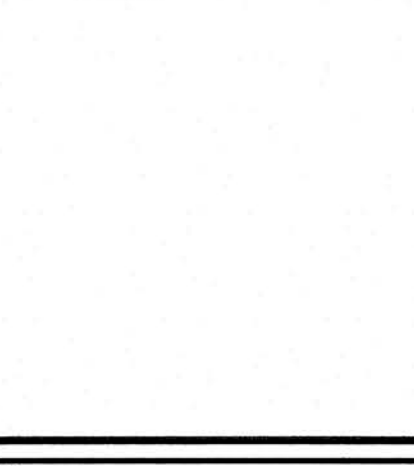
- ① **ADD ALTERNATE 1:** LOCATE POLE BASE CENTERED IN PARKING LOT & APPROXIMATELY 5'-0" FROM BACK OF CURB.
- ② **ADD ALTERNATE 1:** LOCATE POLE BASE CENTERED IN LAST PARKING SPACE & APPROXIMATELY 5'-0" FROM SIDEWALK.
- ③ **ADD ALTERNATE 1:** LOCATE POLE BASE CENTERED IN SECOND PARKING SPACE & APPROXIMATELY 5'-0" FROM SIDEWALK.
- ④ **ADD ALTERNATE 2:** ROUTE CONDUITS ABOVE LAY-IN CEILING. BOTTOM OF LAY-IN CEILING IS 9'-9" AFF. WHERE CONDITIONS ALLOW, KEEP CONDUITS MINIMUM OF 1'-0" ABOVE LAY-IN CEILING.
- ⑤ **ADD ALTERNATE 2:** PENETRATE & EXTEND CONDUIT THRU EXTERIOR WALL. EXTEND CONDUIT DOWN EXTERIOR WALL TO BELOW GROUND.
- ⑥ **ADD ALTERNATE 2:** ROUTE CONDUIT UNDER EXISTING CONCRETE SIDEWALK. WHERE THE EXISTING CONCRETE NEEDS TO BE REMOVE, REMOVE & REPLACE ENTIRE SECTION OF CONCRETE FROM JOINT TO JOINT. CUTTING & PATCHING A NARROW SECTION OF CONCRETE IS NOT ALLOWED.
- ⑦ **ADD ALTERNATE 2:** RESTORE PLANTING BACK TO EXISTING CONDITIONS.
- ⑧ **ADD ALTERNATE 2:** LOCATE BOLLARD APPROXIMATELY 1'-0" FROM SIDEWALK. PROVIDE 2 #8, 1 #8 GND, 1" C TO EACH Z1 FIXTURE.
- ⑨ **FUTURE:** POLE BASE, POLE, FIXTURE, UNDERGROUND MOUNTED POWER PULL BOX, CONDUIT, WIRING SHALL BE FUTURE. SHOWN ON THIS DRAWING FOR REFERENCE ONLY.
- ⑩ **FUTURE:** POLE BASE CENTERED IN PARKING SPACE WALKWAY & APPROXIMATELY 5'-0" FROM CONCRETE. SHOWN ON THIS DRAWING FOR REFERENCE ONLY.
- ⑪ **FUTURE:** POLE BASE CENTERED IN 2ND PARKING SPACE & APPROXIMATELY 5'-0" FROM CONCRETE. SHOWN ON THIS DRAWING FOR REFERENCE ONLY.

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4-5-2023

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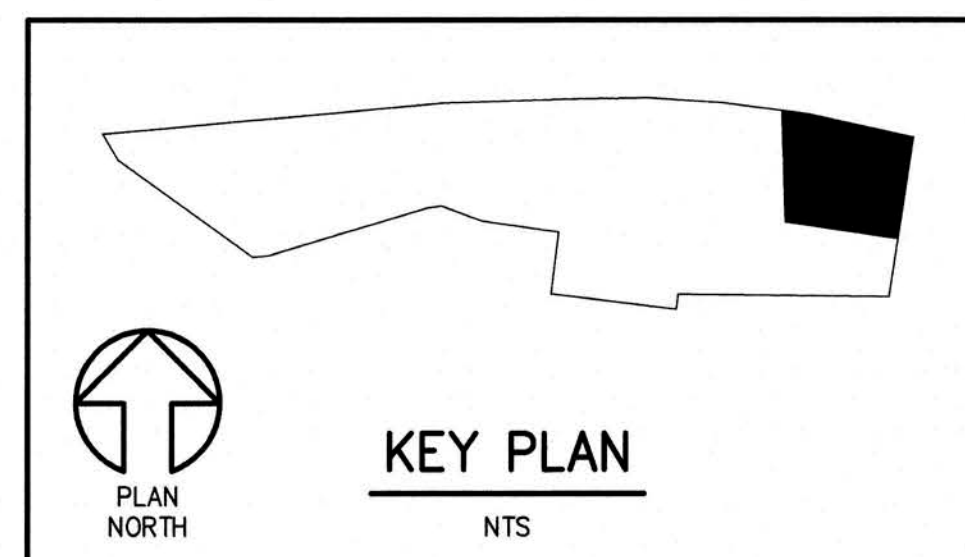
| BY | CHK | DLM | DLM |
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|--------------------|--|
| PROJECT NO. | 20230032 |
| CLIENT PROJECT NO. | ITB 22-23-37 |
| PROJECT TITLE | CITY OF GREENVILLE PUBLIC WORKS SITE LIGHTING (PHASE 2) |

ELECTRICAL
ENLARGED SITE
LIGHTING PLAN
BUILDING 'A' EAST

E2.2

1 ENLARGED SITE LIGHTING PLAN
E2.2 1/16"=1'-0" - BUILDING 'A'



KEY PLAN
NTS

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EXISTING - BUILDING "A"

| PANELBOARD MP | | VOLTAGE: <input checked="" type="checkbox"/> 208/120V, 3 PHASE, 4 WIRE <input type="checkbox"/> 240V, 3 PHASE, 4 WIRE | | NEMA 3R | | | | |
|--|------|---|-------|--|------|-------------------|----|----|
| MOUNTING: <input checked="" type="checkbox"/> FLUSH <input type="checkbox"/> SURFACE | | MAIN: <input type="checkbox"/> LUGS ONLY <input checked="" type="checkbox"/> MAIN BREAKER | | BUS: <u>225</u> A TRIP: <u>NA</u> A | | | | |
| COVER: <input checked="" type="checkbox"/> DOOR WITH LOCK <input type="checkbox"/> DOOR WITHOUT LOCK | | <input type="checkbox"/> WITH HINGABLE COVER <input checked="" type="checkbox"/> WITHOUT HINGABLE COVER | | ALL BRANCH BREAKERS 20A 1 POLE UNLESS NOTED OTHERWISE U/L LISTED BREAKER INTERRUPTING CAPACITY: <u>10,000</u> A RMS. SYM. MIN. | | | | |
| DESCRIPTION | LOAD | CKT NO. | PHASE | DESCRIPTION | LOAD | PHASE LOAD (AMPS) | | |
| | | | | | | L1 | L2 | L3 |
| PANEL 'A1' (SUB FEED BREAKER) | | 1 | | | | | | |
| GATE MOTOR BOX #3' | | 3 | | GATE MOTOR BOX #2' | | | | |
| | | 5 | | | | | | |
| REC, GATE MOTOR BOX #3' | | 9 | | GATE MOTOR BOX #1' | | | | |
| | | 11 | | | | | | |
| SPACE | | 13 | | SIDEWALK BOLLARDS ~ | 0.63 | | | |
| SPACE | | 15 | | ADD ALTERNATE #2 | 0.63 | | | |
| SPACE | | 17 | | SPACE | | | | |
| SPACE | | 19 | | SPACE | | | | |
| SPACE | | 21 | | SPACE | | | | |
| SPACE | | 23 | | SPACE | | | | |
| SPACE | | 25 | | SPACE | | | | |
| SPACE | | 27 | | SPACE | | | | |
| SPACE | | 29 | | SPACE | | | | |
| SPACE | | 31 | | SPACE | | | | |
| SPACE | | 33 | | SPACE | | | | |
| SPACE | | 35 | | SPACE | | | | |
| SPACE | | 37 | | SPACE | | | | |
| SPACE | | 39 | | SPACE | | | | |
| SPACE | | 41 | | SPACE | | | | |

PANELBOARD LOCATION: BUILDING A MANUFACTURER: GENERAL ELECTRIC
 MODEL/CAT. NO.: AQF3422MTX FEED: _____
 KEY: MULTIPOLE BREAKER GFI BREAKER LOCKOFF ATTACH SWITCH DUTY
 PADLOCK ATTACH HACR HID RATED ARC FAULT

(EXISTING PANELBOARD SHOWN FOR REFERENCE ONLY, CIRCUITS HAVE NOT BEEN FIELD VERIFIED)
 + NEW LOAD ADDED TO EXISTING CIRCUIT BREAKER
 * EXISTING SPARE CIRCUIT BREAKER TO BE USED
 ~ NEW CIRCUIT BREAKER IN EXISTING SPACE
 ^ NEW CIRCUIT BREAKER, EXISTING CIRCUIT BREAKER TO BE REMOVED

EXISTING - 'OUTSIDE'

| PANELBOARD | | VOLTAGE: <input checked="" type="checkbox"/> 240/120V, 1 PHASE, 3 WIRE | | NEMA 3R | | | | |
|--|------|---|-------|--|------|-------------------|----|----|
| MOUNTING: <input type="checkbox"/> FLUSH <input checked="" type="checkbox"/> SURFACE | | MAIN: <input type="checkbox"/> LUGS ONLY <input checked="" type="checkbox"/> MAIN BREAKER | | BUS: <u>200</u> A TRIP: <u>200</u> A | | | | |
| COVER: <input checked="" type="checkbox"/> DOOR WITH LOCK <input type="checkbox"/> DOOR WITHOUT LOCK | | <input type="checkbox"/> WITH HINGABLE COVER <input checked="" type="checkbox"/> WITHOUT HINGABLE COVER | | ALL BRANCH BREAKERS 20A 1 POLE UNLESS NOTED OTHERWISE U/L LISTED BREAKER INTERRUPTING CAPACITY: <u>25,000</u> A RMS. SYM. MIN. | | | | |
| DESCRIPTION | LOAD | CKT NO. | PHASE | DESCRIPTION | LOAD | PHASE LOAD (AMPS) | | |
| | | | | | | L1 | L2 | L3 |
| REC A | | 1 | | REC F | | | | |
| REC I | | 3 | | REC J | | | | |
| REC G | | 5 | | REC D | | | | |
| REC B | | 7 | | REC H | | | | |
| REC C | | 9 | | REC E | | | | |
| AREA POLE LIGHT (EAST) ~ | 4.7 | 11 | | SPACE | | | | |
| ADD ALTERNATE #1 | 4.7 | 13 | | SPACE | | | | |
| SPACE | | 15 | | SPACE | | | | |
| SPACE | | 17 | | SPACE | | | | |
| SPACE | | 19 | | SPACE | | | | |
| SPACE | | 21 | | SPACE | | | | |
| SPACE | | 23 | | SPACE | | | | |
| SPACE | | 25 | | SPACE | | | | |
| SPACE | | 27 | | SPACE | | | | |
| SPACE | | 29 | | SPACE | | | | |
| SPACE | | 31 | | SPACE | | | | |
| SPACE | | 33 | | SPACE | | | | |
| SPACE | | 35 | | SPACE | | | | |
| SPACE | | 37 | | SPACE | | | | |
| SPACE | | 39 | | SPACE | | | | |
| SPACE | | 41 | | SPACE | | | | |

PANELBOARD LOCATION: _____ MANUFACTURER: EATON CUTLER-HAMMER
 MODEL/CAT. NO.: _____ FEED: SEE ELECTRICAL ONE LINE DIAGRAM
 KEY: MULTIPOLE BREAKER GFI BREAKER LOCKOFF ATTACH SWITCH DUTY
 PADLOCK ATTACH HACR HID RATED ARC FAULT

(EXISTING PANELBOARD SHOWN FOR REFERENCE ONLY, CIRCUITS HAVE NOT BEEN FIELD VERIFIED)
 + NEW LOAD ADDED TO EXISTING CIRCUIT BREAKER
 * EXISTING SPARE CIRCUIT BREAKER TO BE USED
 ~ NEW CIRCUIT BREAKER IN EXISTING SPACE
 ^ NEW CIRCUIT BREAKER, EXISTING CIRCUIT BREAKER TO BE REMOVED

EXISTING - BUILDING 'F'

| PANELBOARD BUILDING F: PANEL CS | | VOLTAGE: <input checked="" type="checkbox"/> 208/120V, 3 PHASE, 4 WIRE | | | | | | |
|--|------|---|-------|--|------|-------------------|----|----|
| MOUNTING: <input type="checkbox"/> FLUSH <input checked="" type="checkbox"/> SURFACE | | MAIN: <input checked="" type="checkbox"/> LUGS ONLY <input checked="" type="checkbox"/> MAIN BREAKER | | BUS: <u>125</u> A TRIP: <u>NA</u> A | | | | |
| COVER: <input checked="" type="checkbox"/> DOOR WITH LOCK <input type="checkbox"/> DOOR WITHOUT LOCK | | <input type="checkbox"/> WITH HINGABLE COVER <input checked="" type="checkbox"/> WITHOUT HINGABLE COVER | | ALL BRANCH BREAKERS 20A 1 POLE UNLESS NOTED OTHERWISE U/L LISTED BREAKER INTERRUPTING CAPACITY: <u>10,000</u> A RMS. SYM. MIN. | | | | |
| DESCRIPTION | LOAD | CKT NO. | PHASE | DESCRIPTION | LOAD | PHASE LOAD (AMPS) | | |
| | | | | | | L1 | L2 | L3 |
| BLOCK HEATER | | 1 | | AREA POLE LIGHT (WEST) ~ | 3.0 | | | |
| BLOCK HEATER | | 3 | | | 3.0 | | | |
| BLOCK HEATER | | 5 | | AREA POLE LIGHT (WEST) ~ | 7.5 | | | |
| BLOCK HEATER | | 7 | | | 7.5 | | | |
| BLOCK HEATER | | 9 | | SPACE | | | | |
| BLOCK HEATER | | 11 | | STORAGE LIGHT (?POLE LIGHT) | | | | |
| BLOCK HEATER | | 13 | | HEATER FAN | | | | |
| GARAGE LIGHT | | 15 | | SPACE | | | | |
| GARAGE POWER | | 17 | | SPACE | | | | |
| STORAGE POWER | | 19 | | SPACE | | | | |
| EXTERIOR LIGHTS | | 21 | | SPACE | | | | |
| SALT DOME | | 23 | | SPACE | | | | |

PANELBOARD LOCATION: BUILDING F MANUFACTURER: GENERAL ELECTRIC
 MODEL/CAT. NO.: AQF3241MTX FEED: _____
 KEY: MULTIPOLE BREAKER GFI BREAKER LOCKOFF ATTACH SWITCH DUTY
 PADLOCK ATTACH HACR HID RATED ARC FAULT

(EXISTING PANELBOARD SHOWN FOR REFERENCE ONLY, CIRCUITS HAVE NOT BEEN FIELD VERIFIED)
 + NEW LOAD ADDED TO EXISTING CIRCUIT BREAKER
 * EXISTING SPARE CIRCUIT BREAKER TO BE USED
 ~ NEW CIRCUIT BREAKER IN EXISTING SPACE
 ^ NEW CIRCUIT BREAKER, EXISTING CIRCUIT BREAKER TO BE REMOVED

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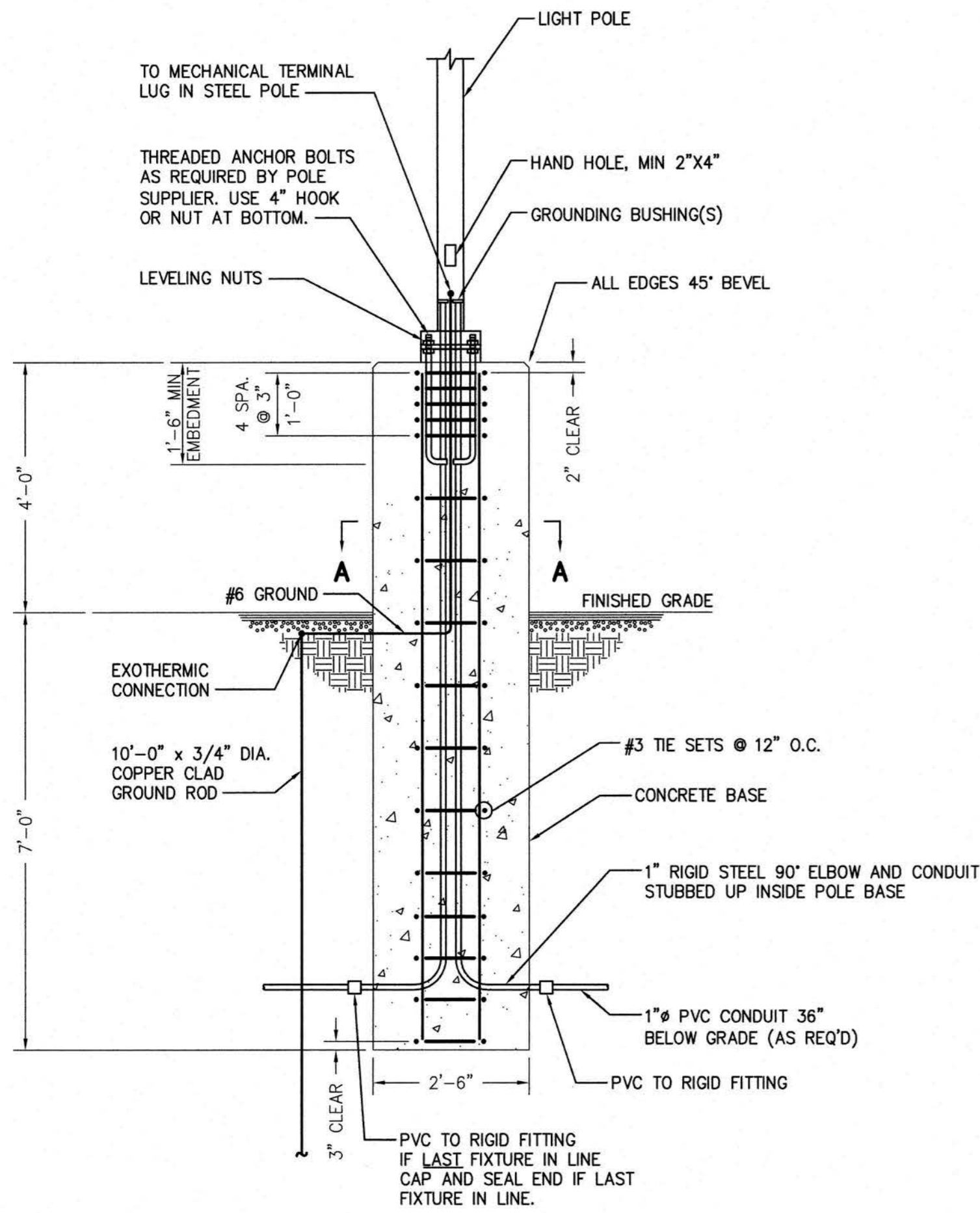


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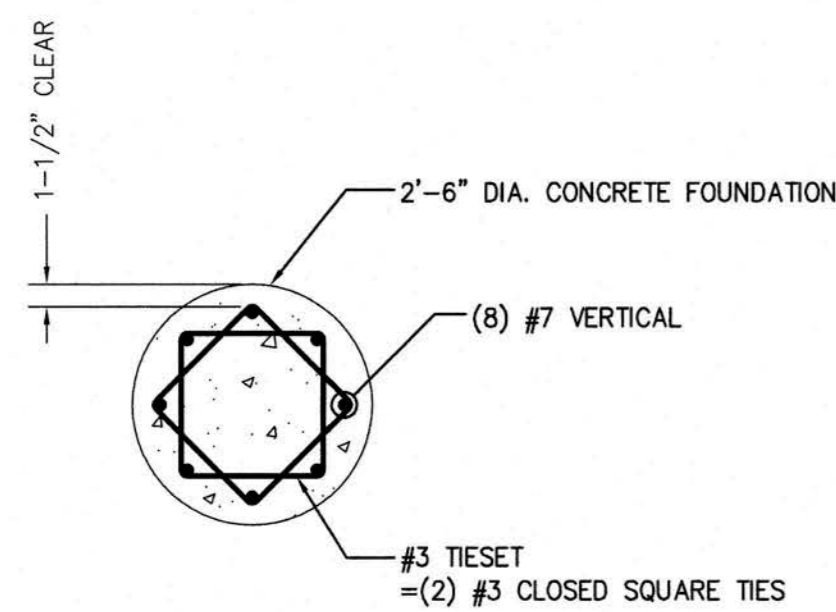
| REV | DATE | DESCRIPTION |
|-----|----------|------------------------|
| A | 03-27-23 | ISSUE FOR OWNER REVIEW |
| B | 04-05-23 | ISSUE FOR BID |

| | |
|--------------------|--|
| TEC PROJECT NO. | 20230032 |
| CLIENT PROJECT NO. | 1TB 22-23-37 |
| PROJECT TITLE | CITY OF GREENVILLE PUBLIC WORKS SITE LIGHTING (PHASE 2) |
| DRAWING TITLE | ELECTRICAL PANEL SCHEDULES |

DRAWING NO. **E3.1**



ELEVATION VIEW



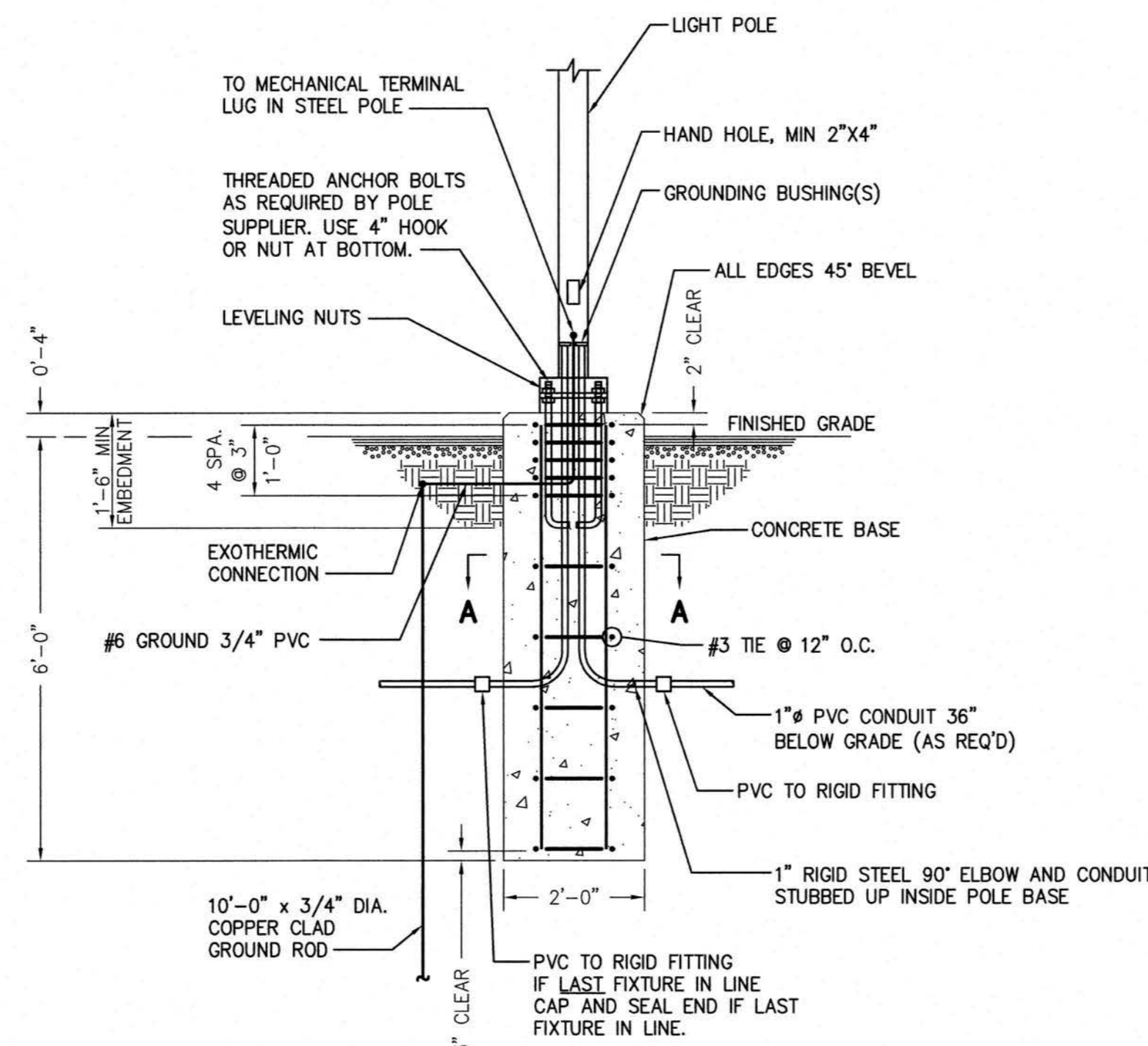
PLAN VIEW - SECTION A-A

DETAIL STRUCTURAL NOTES:

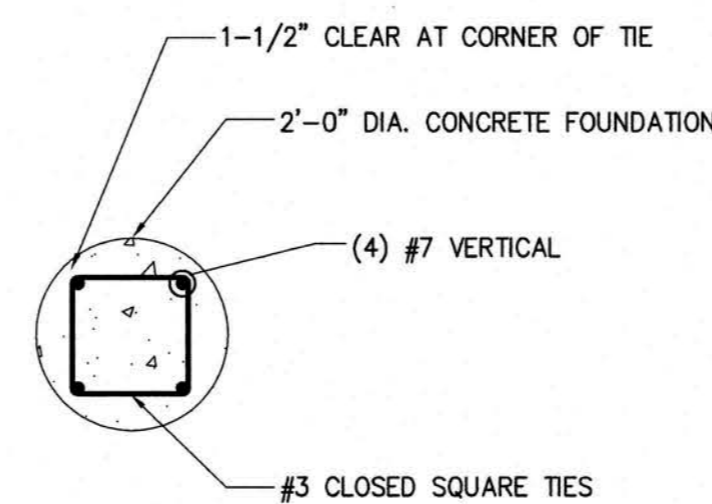
1. ANCHOR BOLTS SHALL BE GALVANIZED ASTM F1554 GRADE 55.
2. REBAR SHALL BE A615 GRADE 60.
3. CONCRETE SHALL HAVE 3000 PSI MINIMUM 28-DAY COMPRESSION STRENGTH.
4. AFTER THE FOUNDATION IS FORMED AND POURED, THE SOIL AROUND THE BASE SHALL BE BACKFILLED AND COMPACTED TO ACHIEVE 98% COMPACTION (STANDARD PROCTOR METHOD).
5. SEE PLAN DWGS. FOR LOCATIONS OF LIGHT POLE BASES.

GENERAL DETAIL NOTES:

1. TOP OF GROUND ROD SHALL BE DRIVEN TO 2" BELOW FINISHED GRADE. CADWELD GROUNDING CONDUCTOR CONNECTIONS.
2. GROUT SHALL BE PACKED UNDER BASE OF POLE LIGHT TO ENSURE FULL CONTACT WITH FOUNDATION.
3. PROVIDE 2'-6" ROUND CONCRETE FIBER FORM TO FINISHED GRADE AND 2'-6" ROUND FORMING ABOVE FINISHED GRADE.



ELEVATION VIEW



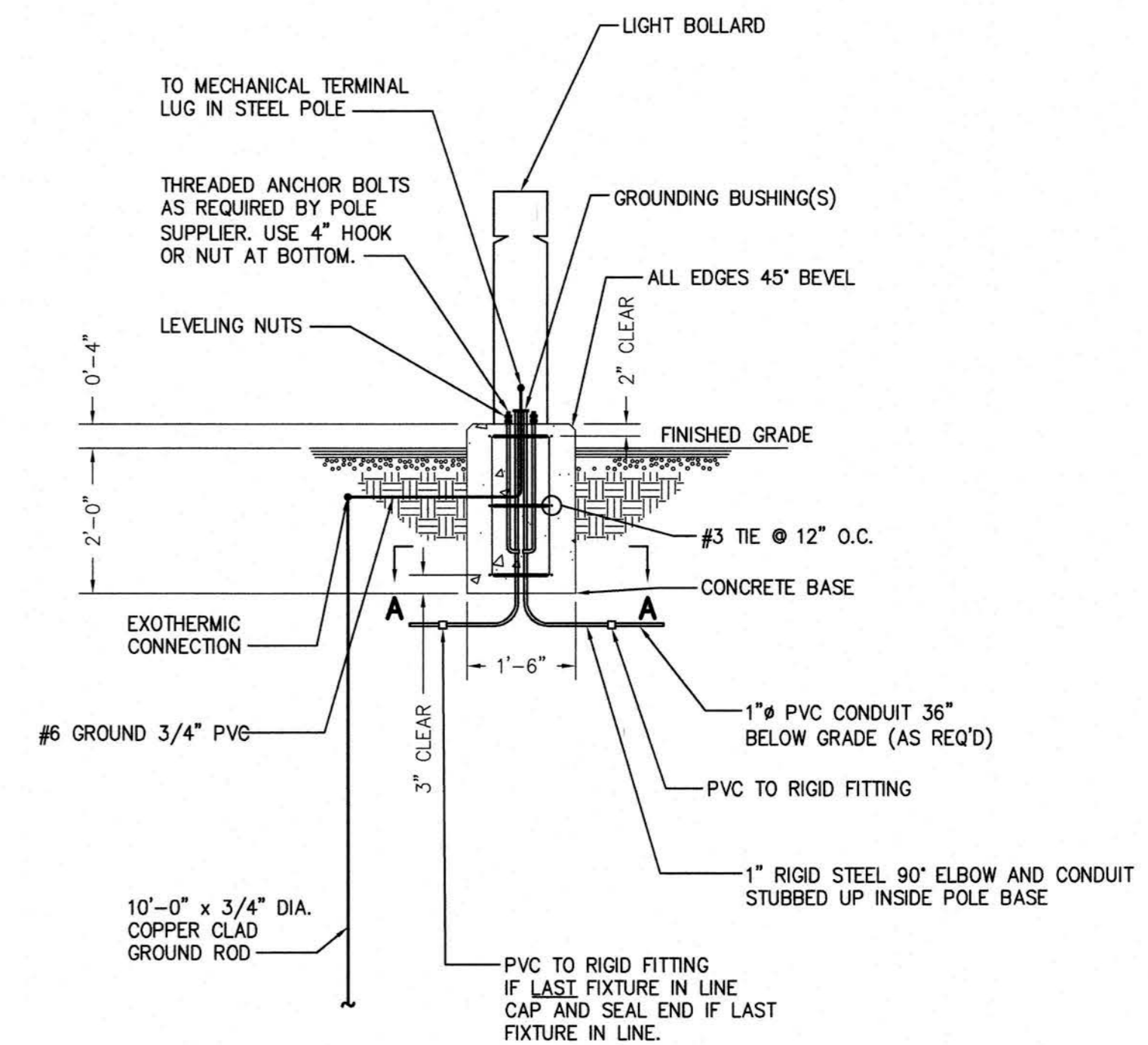
PLAN VIEW - SECTION A-A

DETAIL STRUCTURAL NOTES:

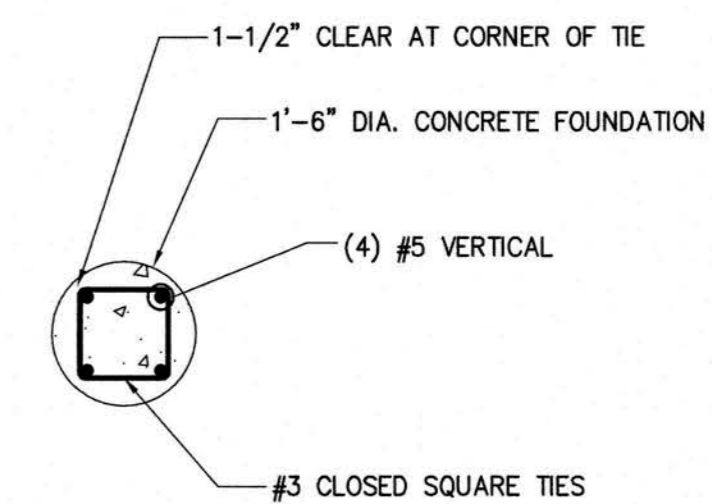
1. ANCHOR BOLTS SHALL BE GALVANIZED ASTM F1554 GRADE 55.
2. REBAR SHALL BE A615 GRADE 60.
3. CONCRETE SHALL HAVE 3000 PSI MINIMUM 28-DAY COMPRESSION STRENGTH.
4. AFTER THE FOUNDATION IS FORMED AND POURED, THE SOIL AROUND THE BASE SHALL BE BACKFILLED AND COMPACTED TO ACHIEVE 98% COMPACTION (STANDARD PROCTOR METHOD).
5. SEE PLAN DWGS. FOR LOCATIONS OF LIGHT POLE BASES.

GENERAL DETAIL NOTES:

1. TOP OF GROUND ROD SHALL BE DRIVEN TO 2" BELOW FINISHED GRADE. CADWELD GROUNDING CONDUCTOR CONNECTIONS.
2. GROUT SHALL BE PACKED UNDER BASE OF POLE LIGHT TO ENSURE FULL CONTACT WITH FOUNDATION.
3. PROVIDE 2'-6" ROUND CONCRETE FIBER FORM TO FINISHED GRADE AND 2'-6" ROUND FORMING ABOVE FINISHED GRADE.



ELEVATION VIEW



PLAN VIEW - SECTION A-A

DETAIL STRUCTURAL NOTES:

1. ANCHOR BOLTS SHALL BE GALVANIZED ASTM F1554 GRADE 55.
2. REBAR SHALL BE A615 GRADE 60.
3. CONCRETE SHALL HAVE 3000 PSI MINIMUM 28-DAY COMPRESSION STRENGTH.
4. AFTER THE FOUNDATION IS FORMED AND POURED, THE SOIL AROUND THE BASE SHALL BE BACKFILLED AND COMPACTED TO ACHIEVE 98% COMPACTION (STANDARD PROCTOR METHOD).
5. SEE PLAN DWGS. FOR LOCATIONS OF BOLLARD BASES.

GENERAL DETAIL NOTES:

1. TOP OF GROUND ROD SHALL BE DRIVEN TO 2" BELOW FINISHED GRADE. CADWELD GROUNDING CONDUCTOR CONNECTIONS.
2. GROUT SHALL BE PACKED UNDER BASE OF BOLLARD TO ENSURE FULL CONTACT WITH FOUNDATION.
3. PROVIDE 1'-0" ROUND CONCRETE FIBER FORM ABOVE FINISHED GRADE.



| REV | DATE | DESCRIPTION |
|-----|----------|------------------------|
| A | 03-27-23 | ISSUE FOR OWNER REVIEW |
| B | 04-05-23 | ISSUE FOR BID |

REG PROJECT NO. 20230032

CLIENT PROJECT NO. 1TB 22-23-37

PROJECT TITLE

CITY OF GREENVILLE
PUBLIC WORKS
SITE LIGHTING
(PHASE 2)

DRAWING TITLE
ELECTRICAL
POLE FOUNDATION
DETAILS

DRAWING NO.

