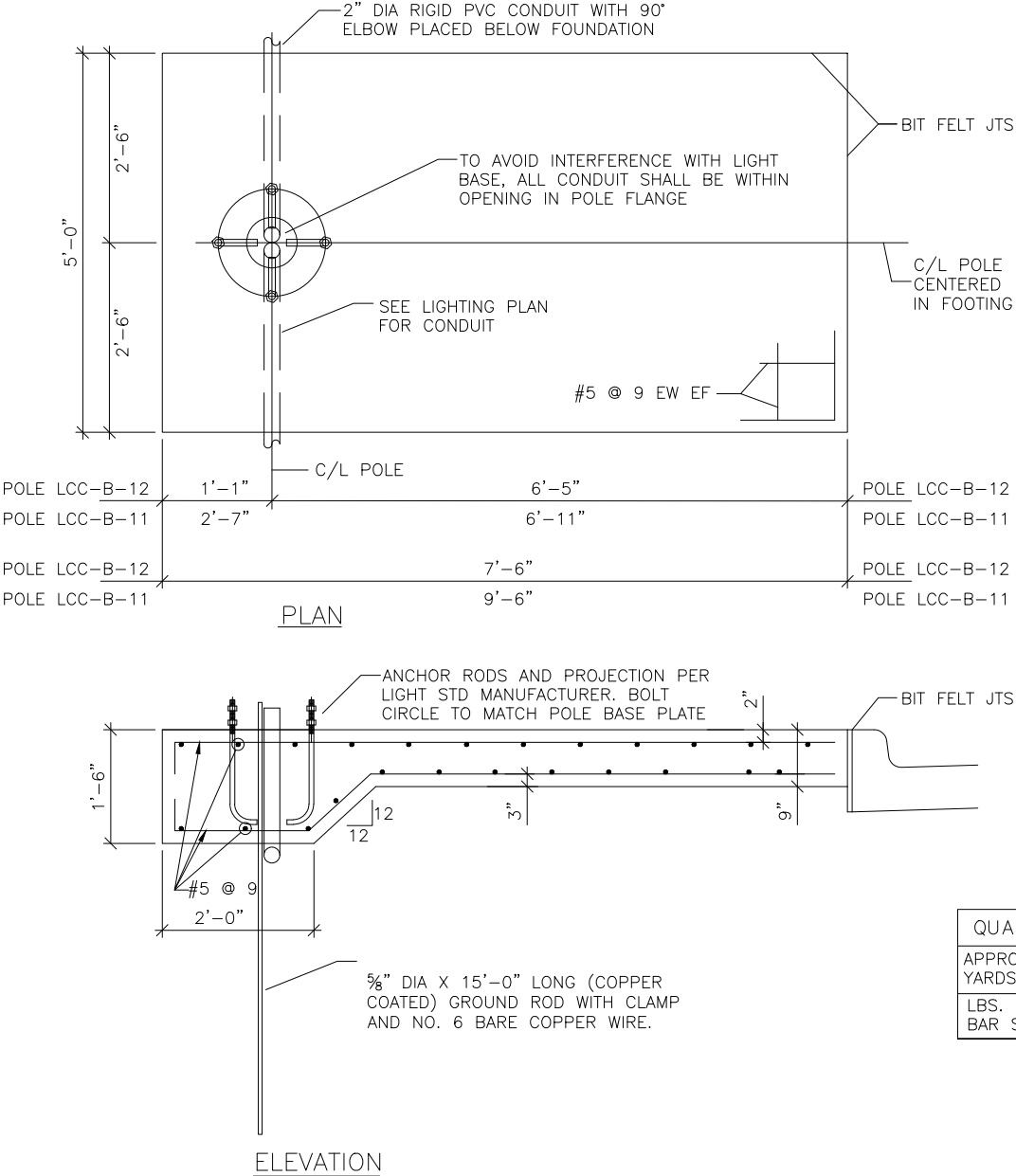
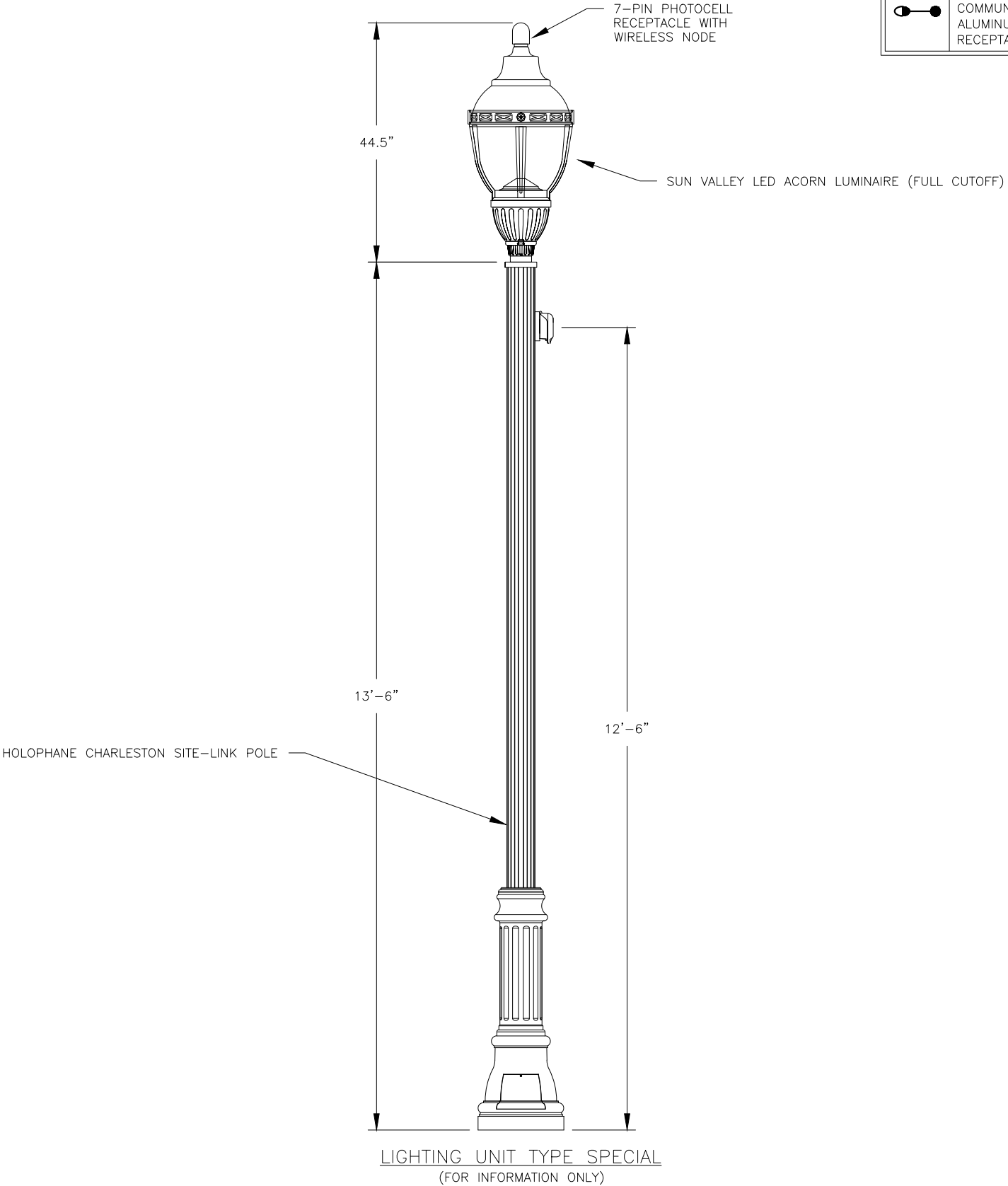


EQUIPMENT SCHEDULE – FOR INFORMATION ONLY					
SYMBOL	DESCRIPTION	LAMP SOURCE	MOUNTING	OPTICS	MANUFACTURER & SERIES #
	LIGHTING UNIT TYPE SPECIAL ACORN STYLE LED LUMINAIRE WITH WIRELESS COMMUNICATION NODE ON SITE LINK FLUTED ALUMINUM POLE W/ 20A WR-RATED GFCI RECEPTACLE W/ METTALLIC IN-USE COVER	79 WATT 36 LED 3000K	13'-6" POLE ON LIGHT BASE TYPE SPECIAL	TYPE III	SUN VALLEY – LUMINAIRE: CS7475-36PLED-III-W-700MA-WW-7PIN HOLOPHANE – POLE: CH-A-13.5-L5J-16-P07-ABG-BK-FGUIS



QUANTITY REQUIREMENTS	
APPROX. CUBIC YARDS OF CONCRETE	1.65
LBS. OF HORIZONTAL BAR STEEL	275

GENERAL NOTES

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER EXCEPT WHEN EXCAVATING WITHIN 18-INCHES OF UNDERGROUND UTILITIES. WHEN EXCAVATING WITHIN 18-INCHES OF UTILITIES THE BASE SHALL BE DUG BY HAND.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN AT THE ENTRANCE OF THE BASE.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG, STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

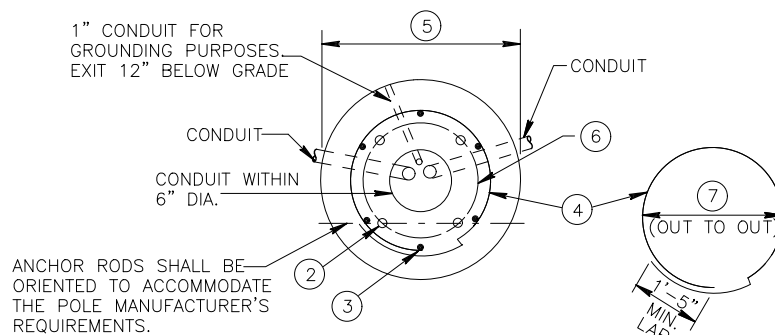
THE EQUIPMENT GROUNDING CONDUCTOR SHALL ENTER THE BASE THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

ANCHOR RODS SHALL BE PROVIDED BY POLE SUPPLIER. TWO GALVANIZED HEX NUTS & WASHERS PER ANCHOR BOLT.

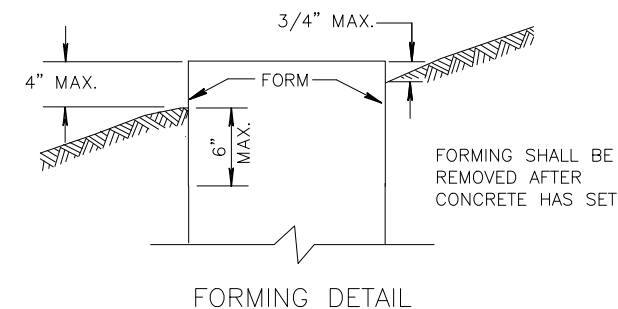
WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

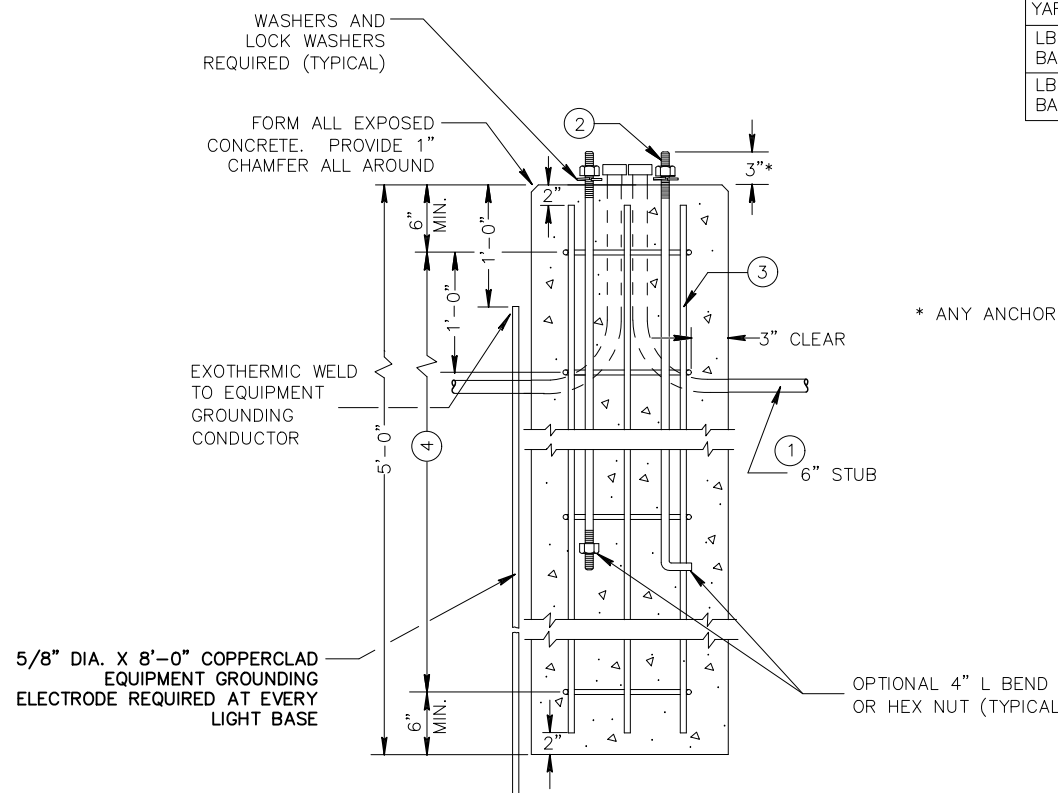
- ① THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL BY THE ENGINEER.
- ② ANCHOR RODS BY POLE SUPPLIER. TWO GALVANIZED HEX NUTS & WASHERS PER ANCHOR BOLT.
- ③ (6) NO. 4 X 4'-8" BAR STEEL REINFORCEMENT.
- ④ (5) NO. 4 X 6'-2" BAR STEEL REINFORCEMENT @ 1'-0" C-C.
- ⑤ 2'-0".
- ⑥ BOLT CIRCLE PER POLE MANUFACTURER'S REQUIREMENTS.
- ⑦ 1'-6".



FORM DEPTH SHALL BE NO MORE THAN 6" BELOW GRADE ON THE LOWER SIDE OF BASE

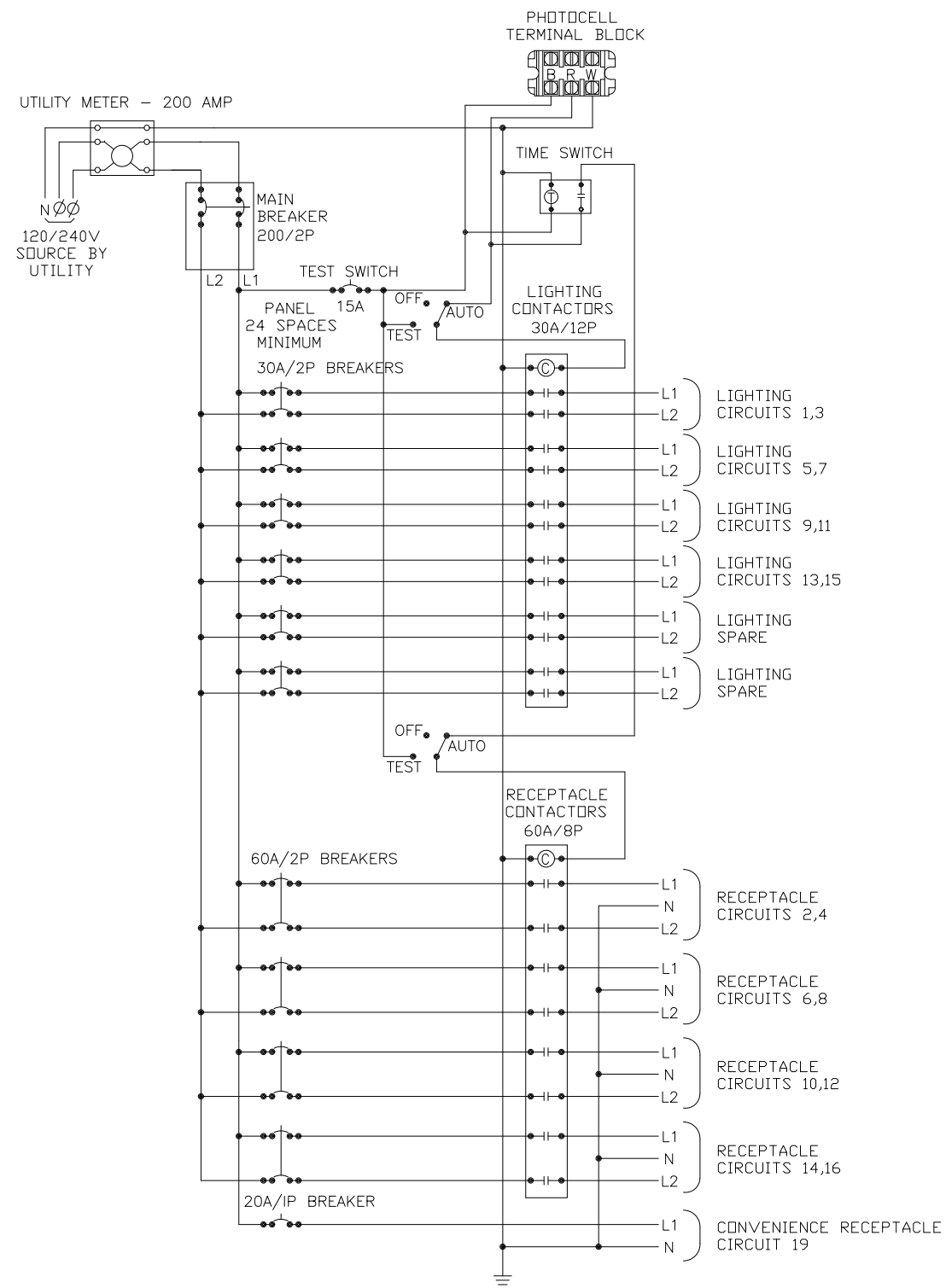


QUANTITY REQUIREMENTS	
APPROX. CUBIC YARDS OF CONCRETE	0.6
LBS. OF HOOP BAR STEEL	21
LBS. OF VERTICAL BAR STEEL	18

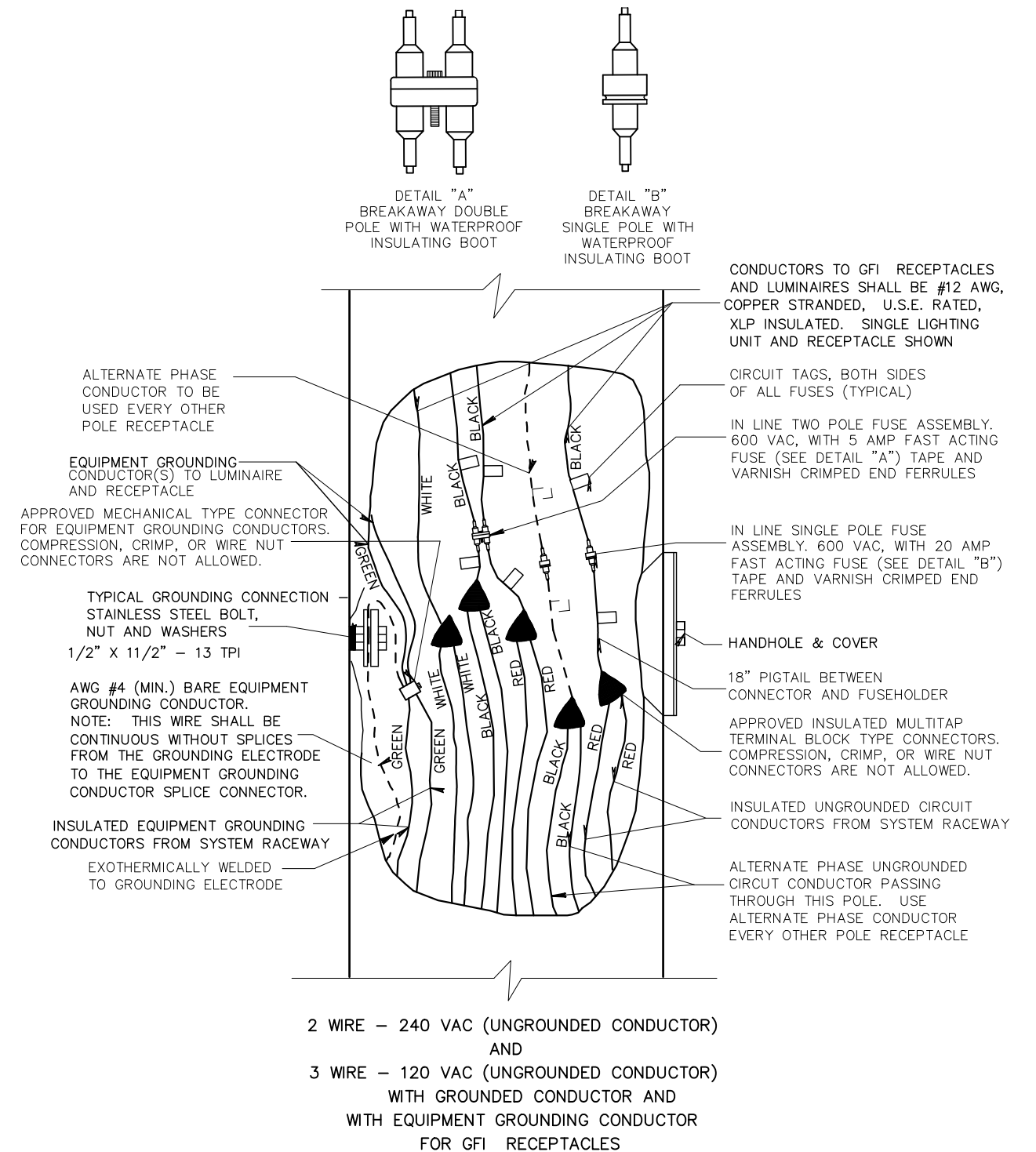


* ANY ANCHOR ROD PROJECTION SHALL BE PER MANUFACTURER'S REQUIREMENTS.

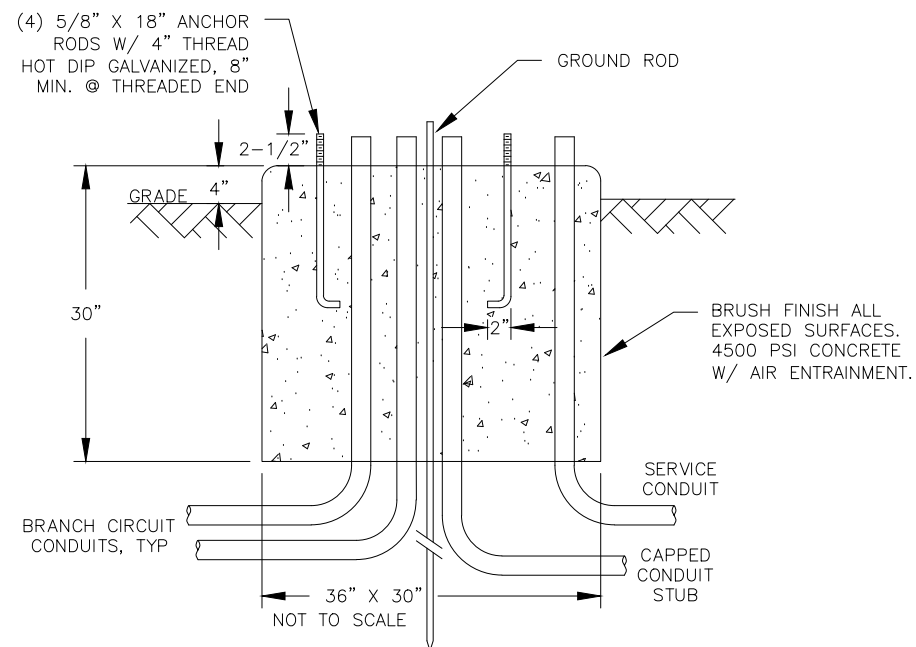
CONCRETE BASE TYPE SPECIAL



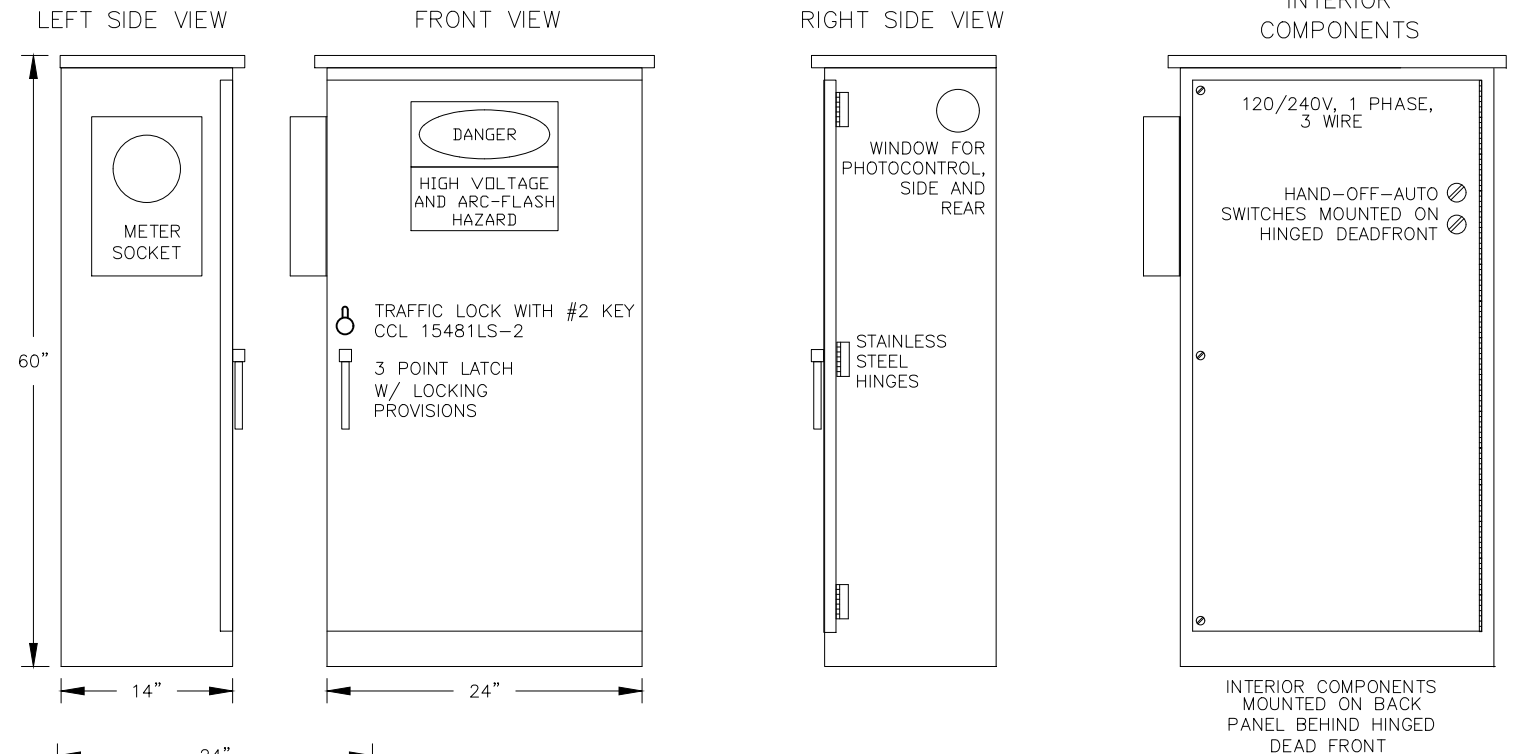
SERVICE CABINET "A" & "B" SCHEMATIC



NOTE: REFER TO S.D.D. "NON-FREEWAY LIGHTING UNIT POLE WIRING" FOR FUSING INFORMATION



CONCRETE CONTROL CABINET BASE TYPE SPECIAL



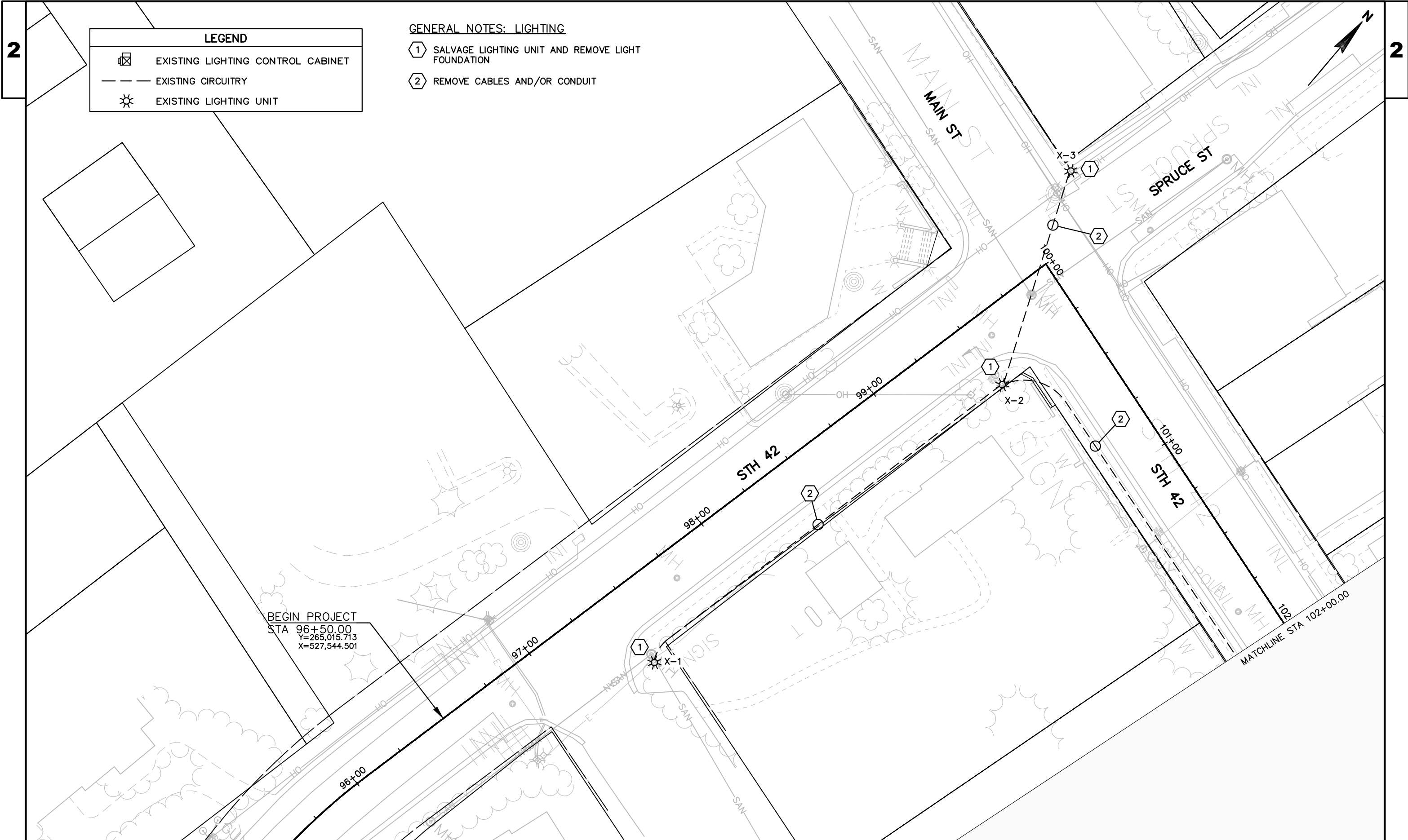
CABINET CONSTRUCTION

- NEMA 3R
- INTERIOR COMPONENTS MOUNTED ON BACK PANEL BEHIND DEAD FRONT
- 1/8" ANODIZED ALUMINUM (DURANODIC BLACK)
- NEOPRENE GASKETED DOORS
- STAINLESS STEEL HARDWARE
- ETL LISTED IN ACCORDANCE WITH UL508A

SERVICE CABINET NOTES:

- PROVIDE METER SOCKET PER UTILITY COMPANY REQUIREMENTS.
- CIRCUIT BREAKERS SHALL BE 120/240 VOLT AC, 60Hz AND SHALL BE CLEARLY MARKED WITH THE "ON" AND "OFF" POSITIONS AND IDENTIFIED WITH THE LOAD WHICH IT IS CARRYING.
- SHORT CIRCUIT RATING - 22,000 AIC SYMMETRICAL.
- 3-POSITION SELECTOR SWITCH ALLEN BRADLEY #800T-J2A.
- CIRCUIT CONTACTORS SHALL HAVE A 240 VOLT RATING, WITH 120 VOLT COIL.
- PROVIDE PANEL WITH DIMENSIONS AS REQUIRED TO FIT EQUIPMENT PROPOSED.
- PROVIDE A 25-OHM GROUND AT CABINET AS PER NEC.
- TIME CLOCK SHALL BE NEMA 3R WITH A CAPACITOR BACK-UP, AUTOMATIC DAYLIGHT SAVINGS TIME, AND LEAP YEAR ADJUSTMENTS. TORK, MODEL E101B.
- PROVIDE 20A WR-RATED GFCI RECEPTACLE MOUNTED TO CABINET DEAD-FRONT.
- BOTH PHOTOCONTROL AND ITS SOCKET SHALL BE 3 TERMINAL, POLARIZED, TWIST-LOCK TYPE. IT SHALL BE EQUIPPED WITH A MOVRO TYPE LIGHTNING ARRESTER.
- CABINET SHALL BE MANUFACTURED BY POVOLNY SPECIALTIES INC. 651.452.7335.
- COORDINATE SERVICE CONNECTIONS WITH WISCONSIN PUBLIC SERVICE.

LIGHTING CONTROL CABINET TYPE SPECIAL DETAILS



2

2

LEGEND	
	EXISTING LIGHTING CONTROL CABINET
	EXISTING CIRCUITRY
	EXISTING LIGHTING UNIT

- GENERAL NOTES: LIGHTING
- 1 SALVAGE LIGHTING UNIT AND REMOVE LIGHT FOUNDATION
 - 2 REMOVE CABLES AND/OR CONDUIT

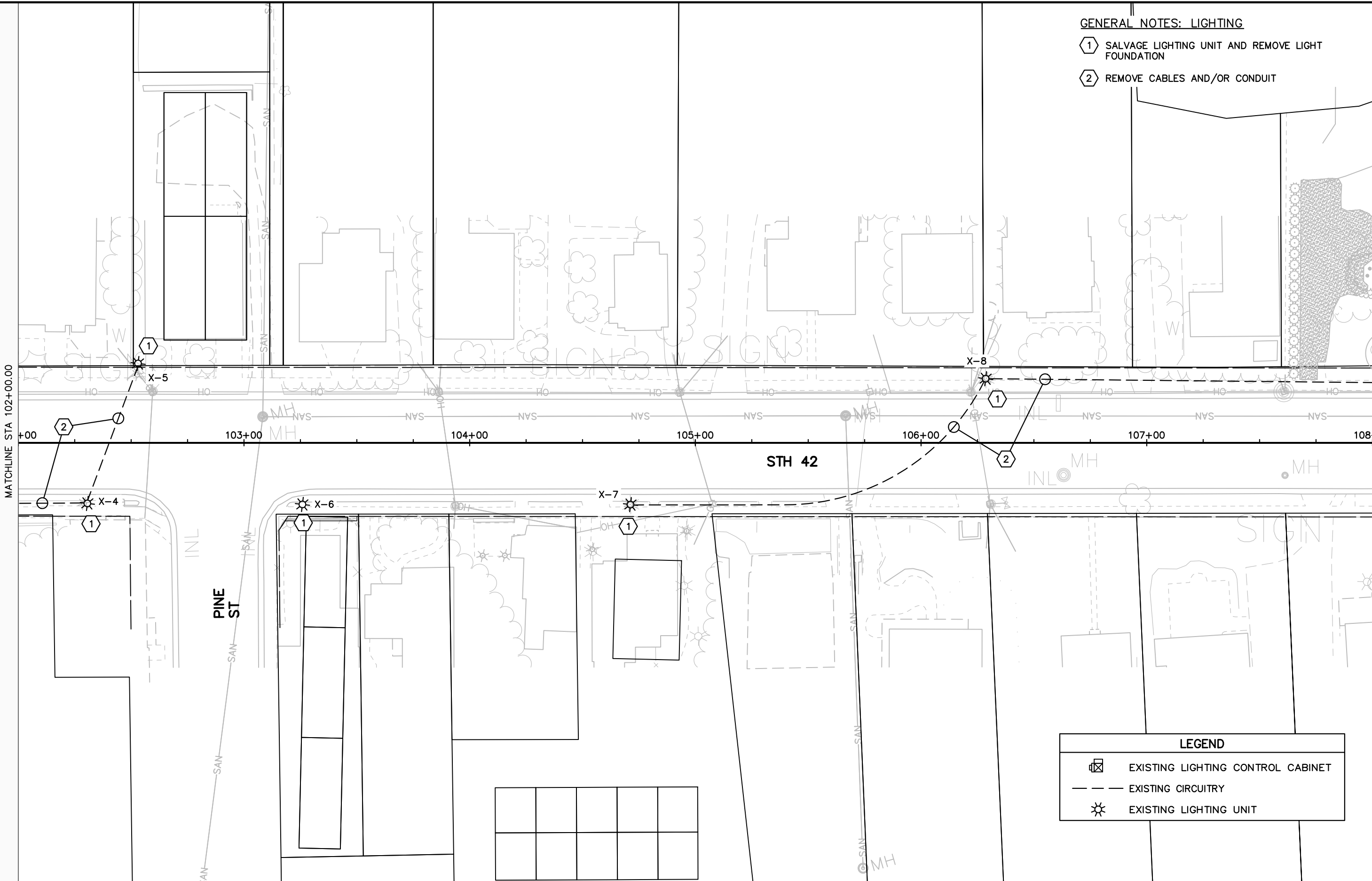
GENERAL NOTES: LIGHTING

- 1 SALVAGE LIGHTING UNIT AND REMOVE LIGHT FOUNDATION
- 2 REMOVE CABLES AND/OR CONDUIT



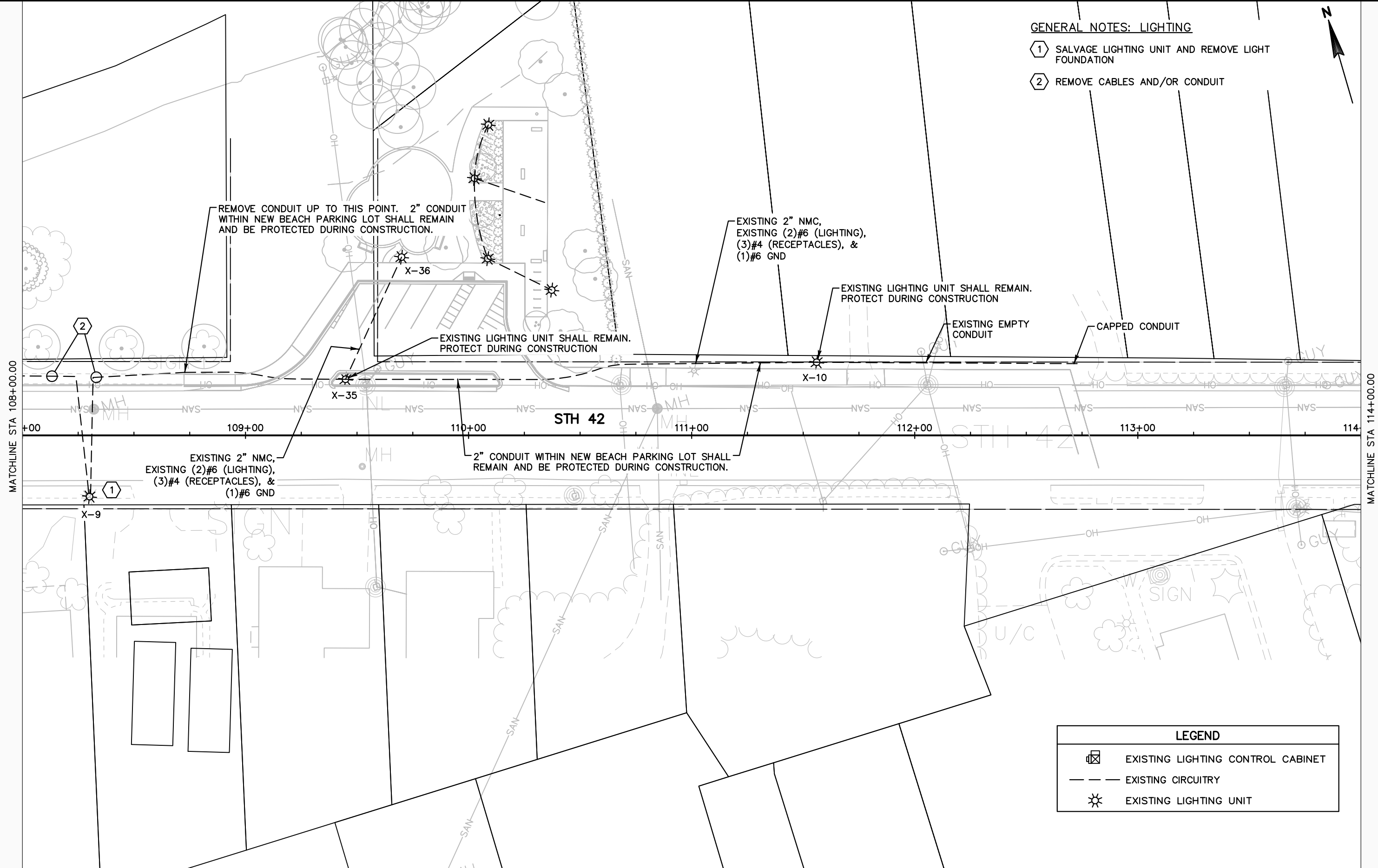
MATCHLINE STA 102+00.00

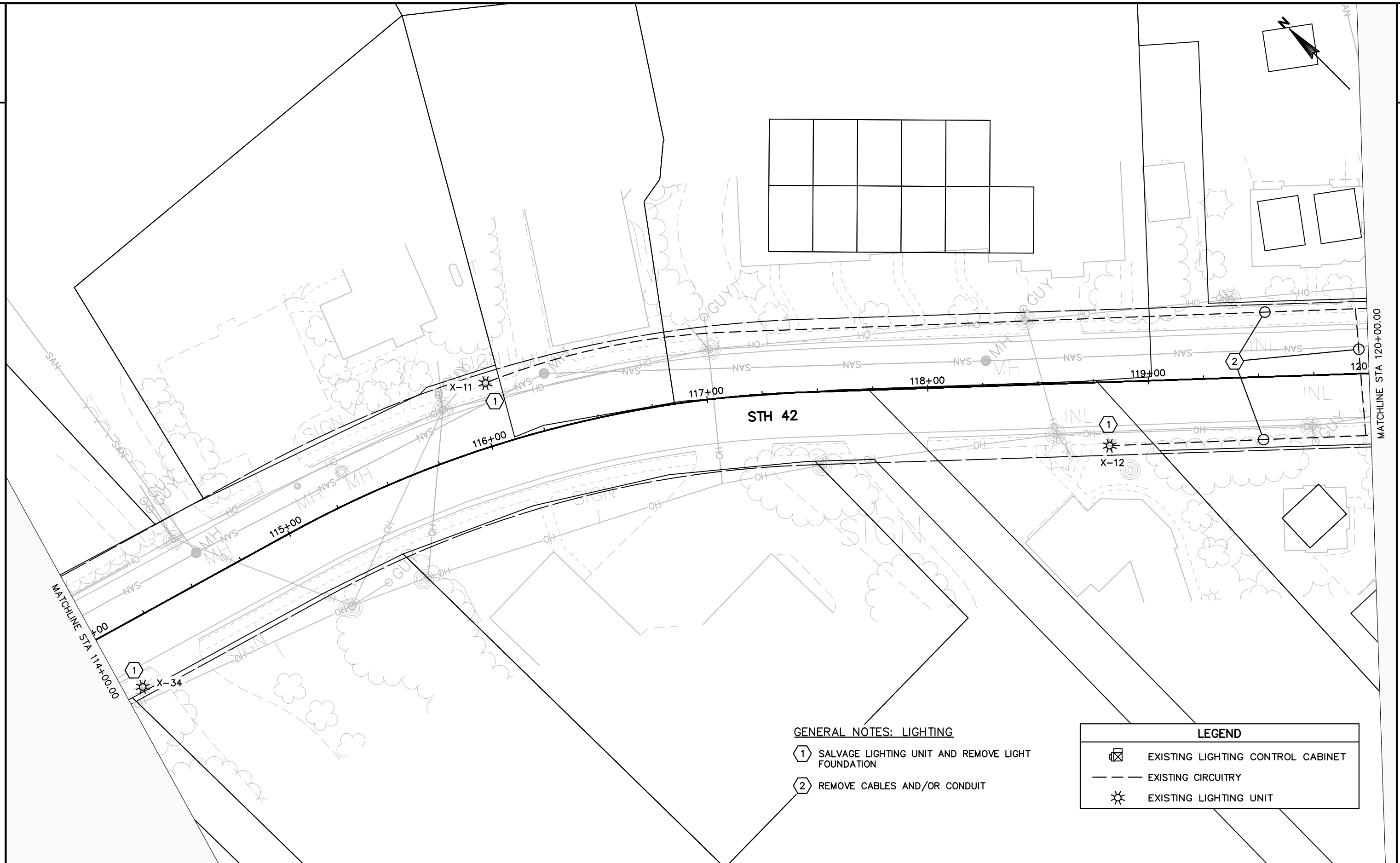
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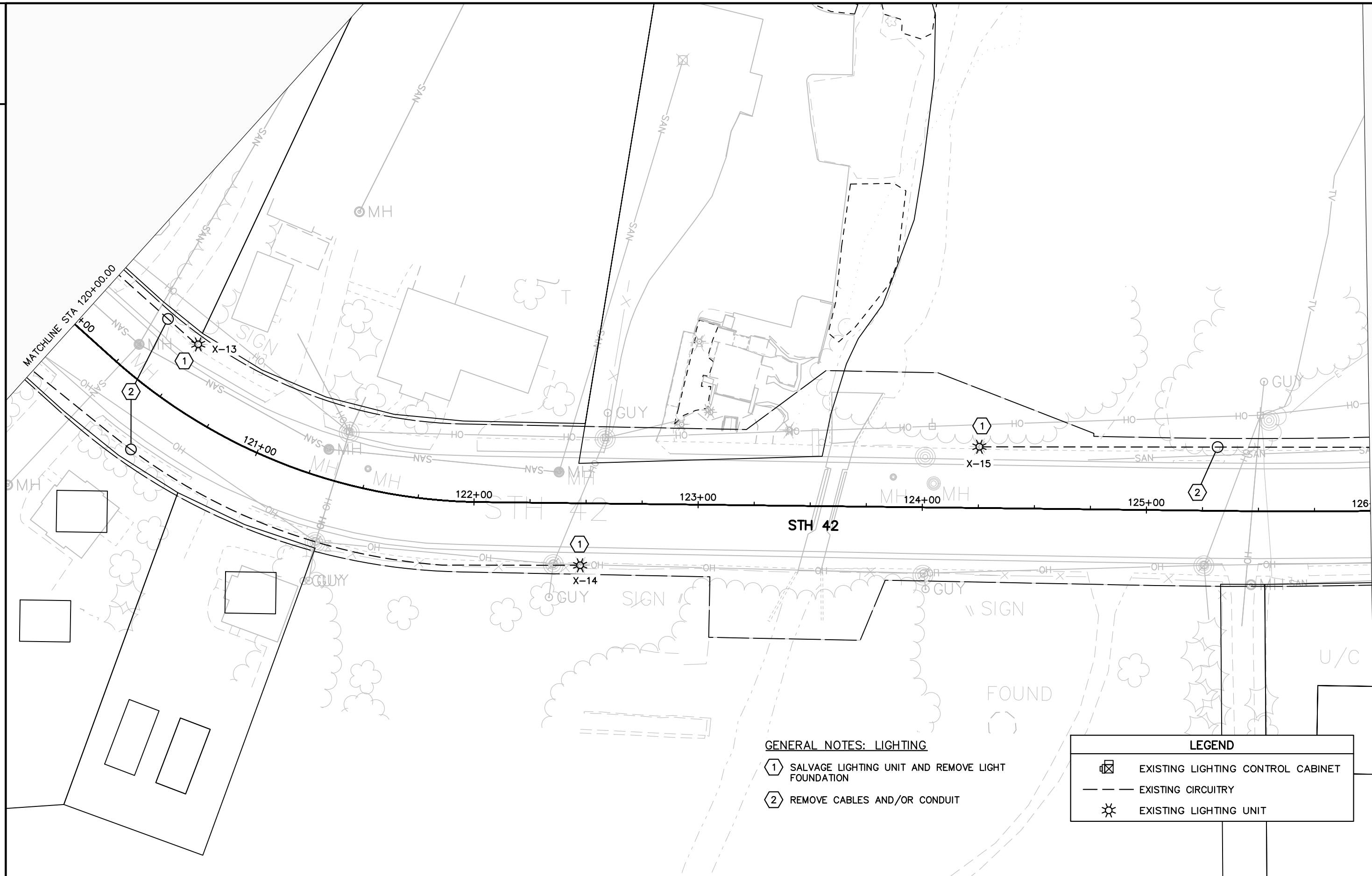


LEGEND

- EXISTING LIGHTING CONTROL CABINET
- EXISTING CIRCUITRY
- EXISTING LIGHTING UNIT





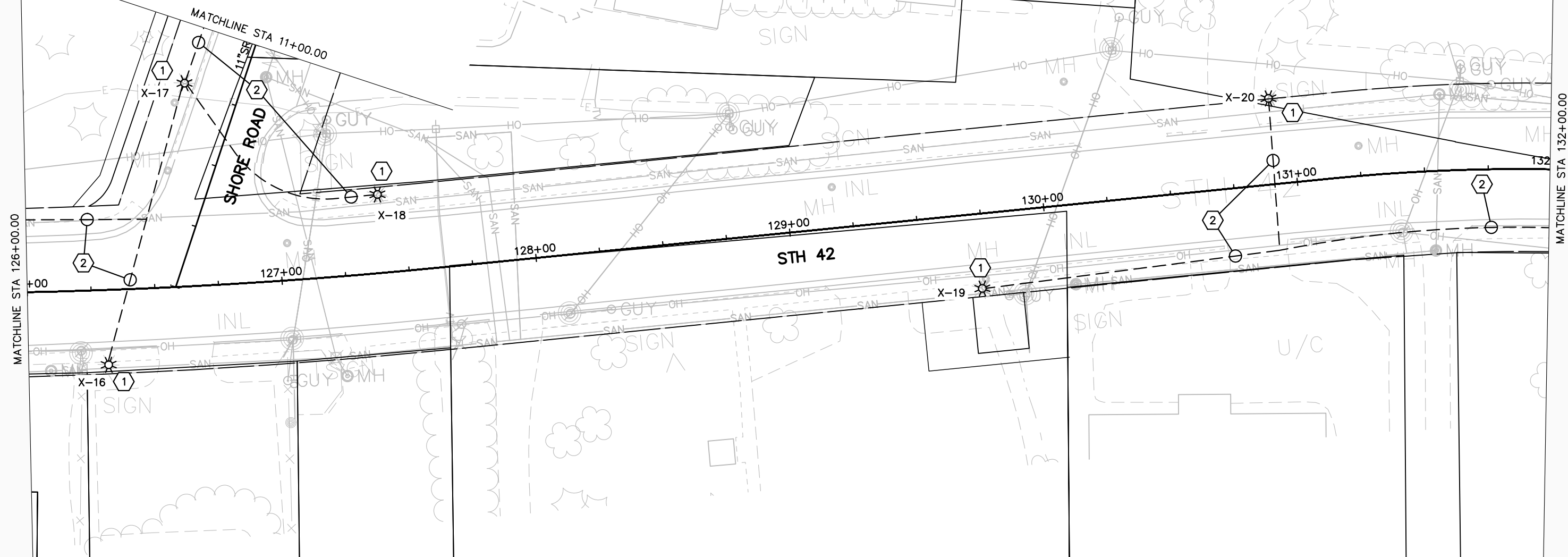


GENERAL NOTES: LIGHTING

- 1 SALVAGE LIGHTING UNIT AND REMOVE LIGHT FOUNDATION
- 2 REMOVE CABLES AND/OR CONDUIT

LEGEND

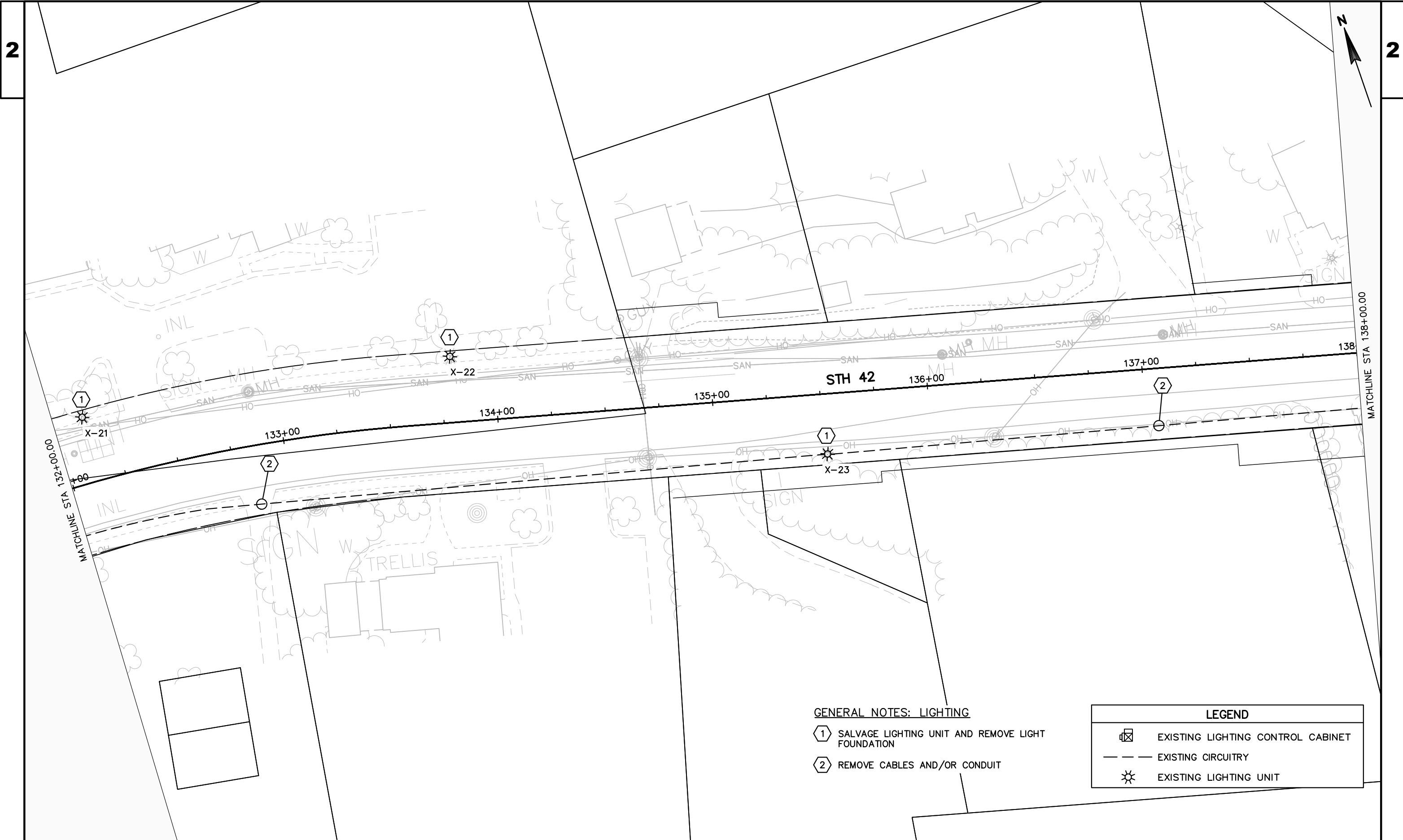
- EXISTING LIGHTING CONTROL CABINET
- EXISTING CIRCUITRY
- EXISTING LIGHTING UNIT

**GENERAL NOTES: LIGHTING**

- ① SALVAGE LIGHTING UNIT AND REMOVE LIGHT FOUNDATION
- ② REMOVE CABLES AND/OR CONDUIT

LEGEND

- ☐ EXISTING LIGHTING CONTROL CABINET
- — — EXISTING CIRCUITRY
- ☀ EXISTING LIGHTING UNIT





ATHLETIC FIELD

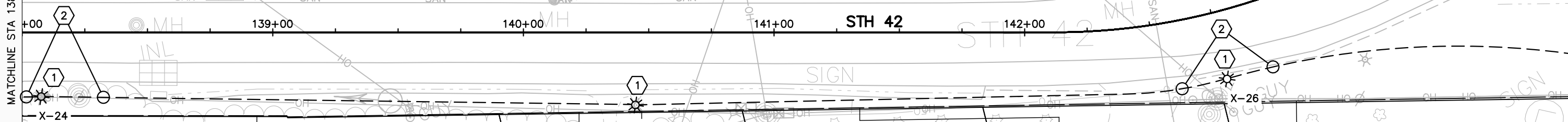
SIGN

STH 42

STH 42

MATCHLINE STA 144+00.00

MATCHLINE STA 138+00.00

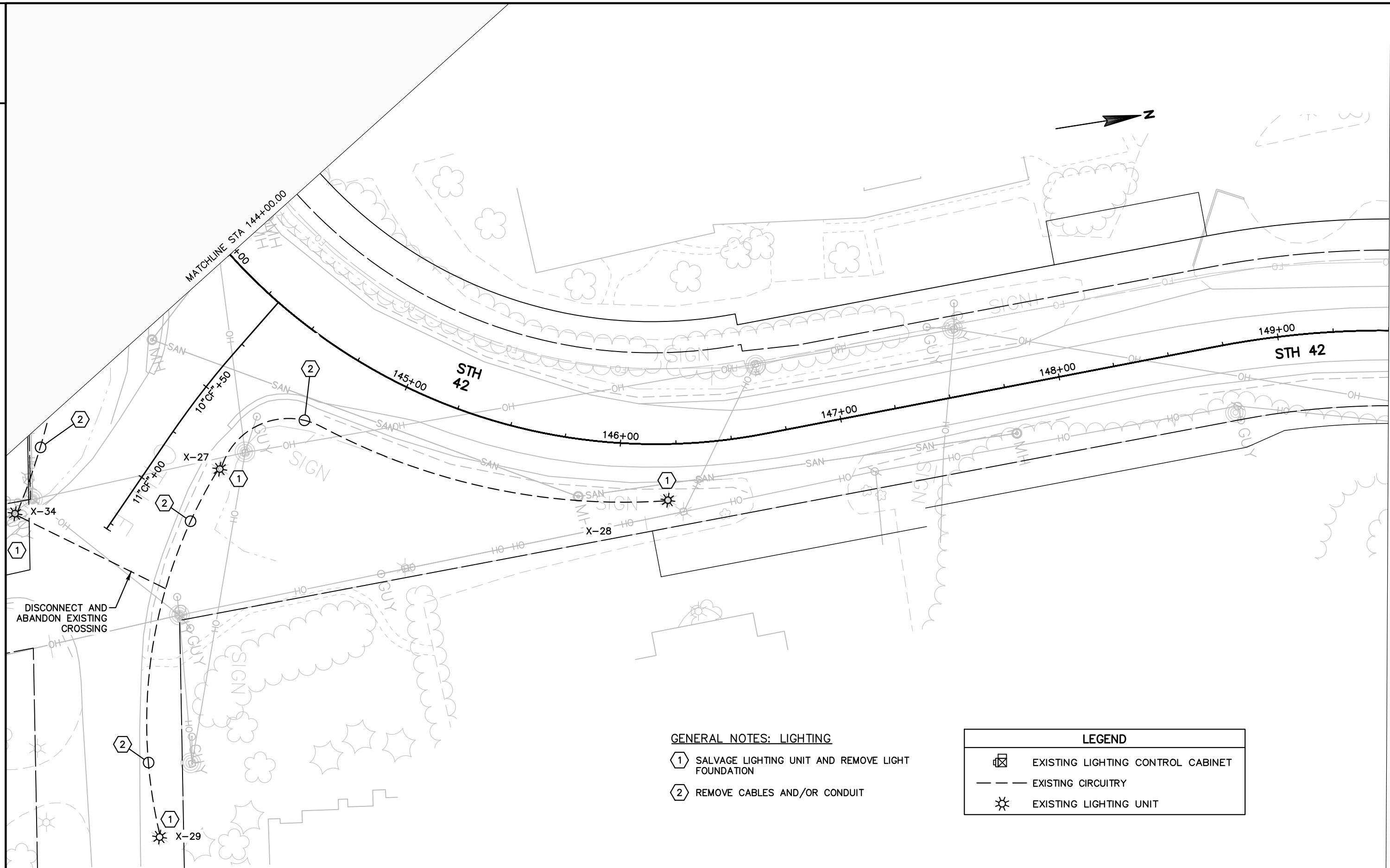


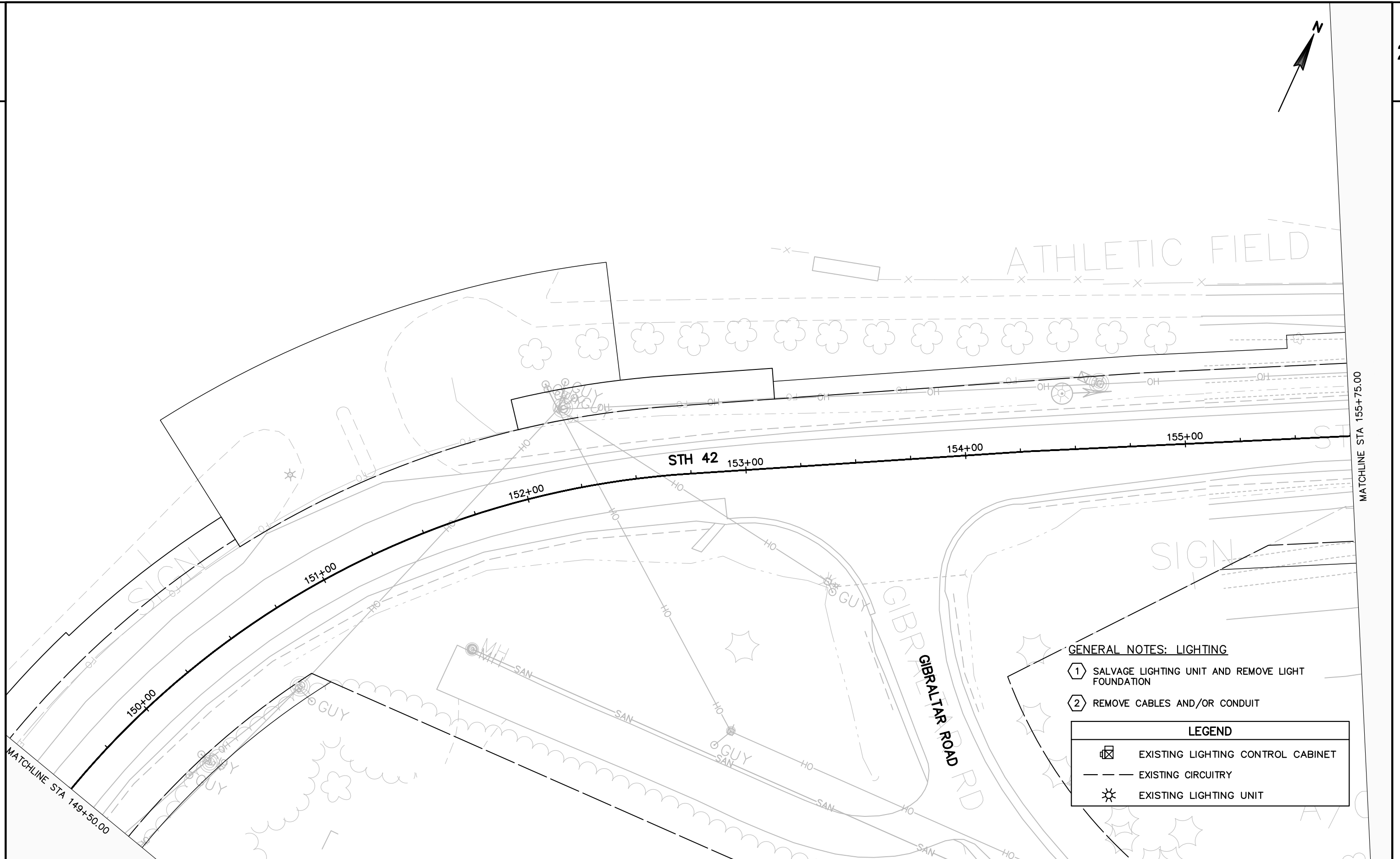
GENERAL NOTES: LIGHTING

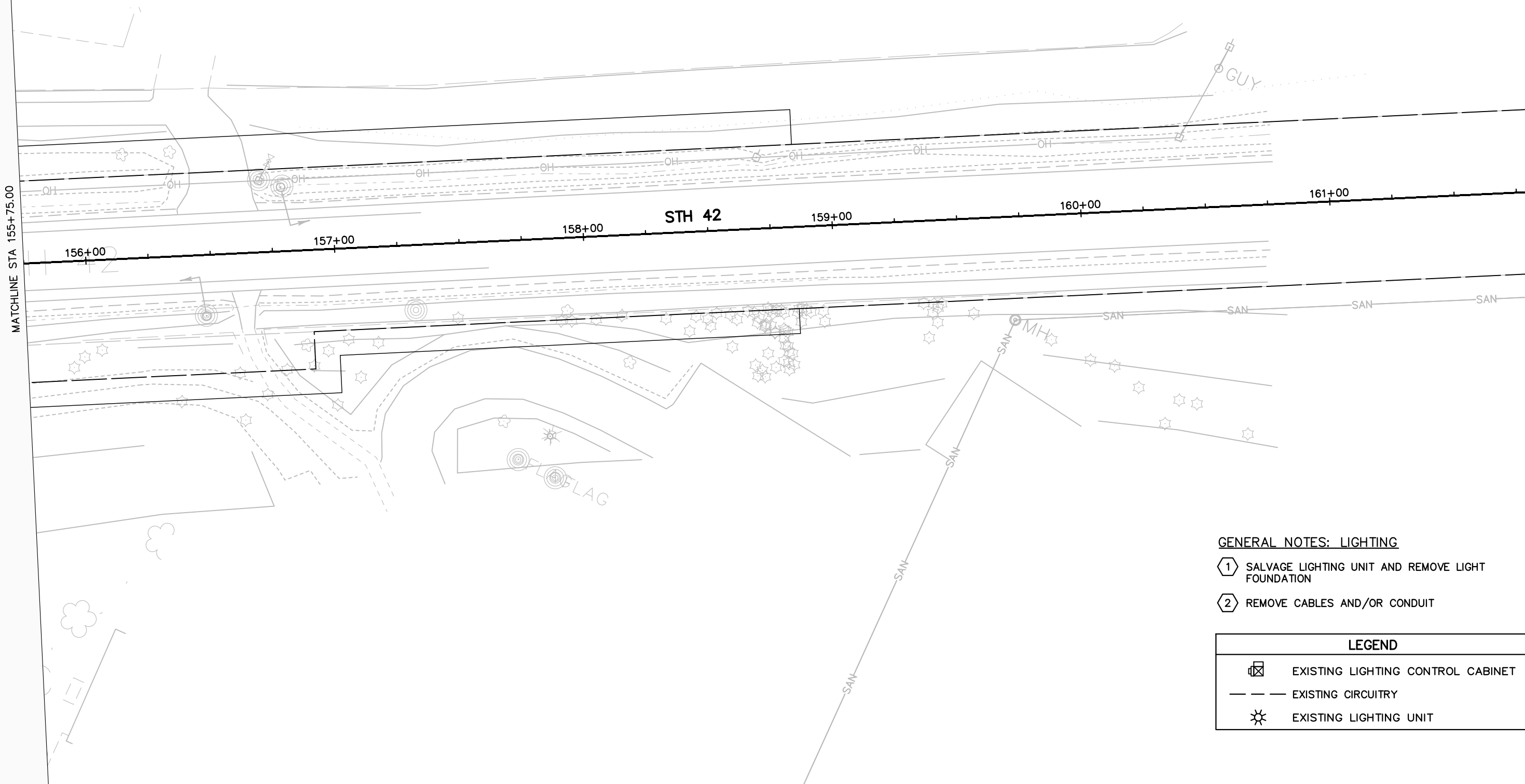
- 1 SALVAGE LIGHTING UNIT AND REMOVE LIGHT FOUNDATION
- 2 REMOVE CABLES AND/OR CONDUIT

LEGEND

- EXISTING LIGHTING CONTROL CABINET
- EXISTING CIRCUITRY
- EXISTING LIGHTING UNIT



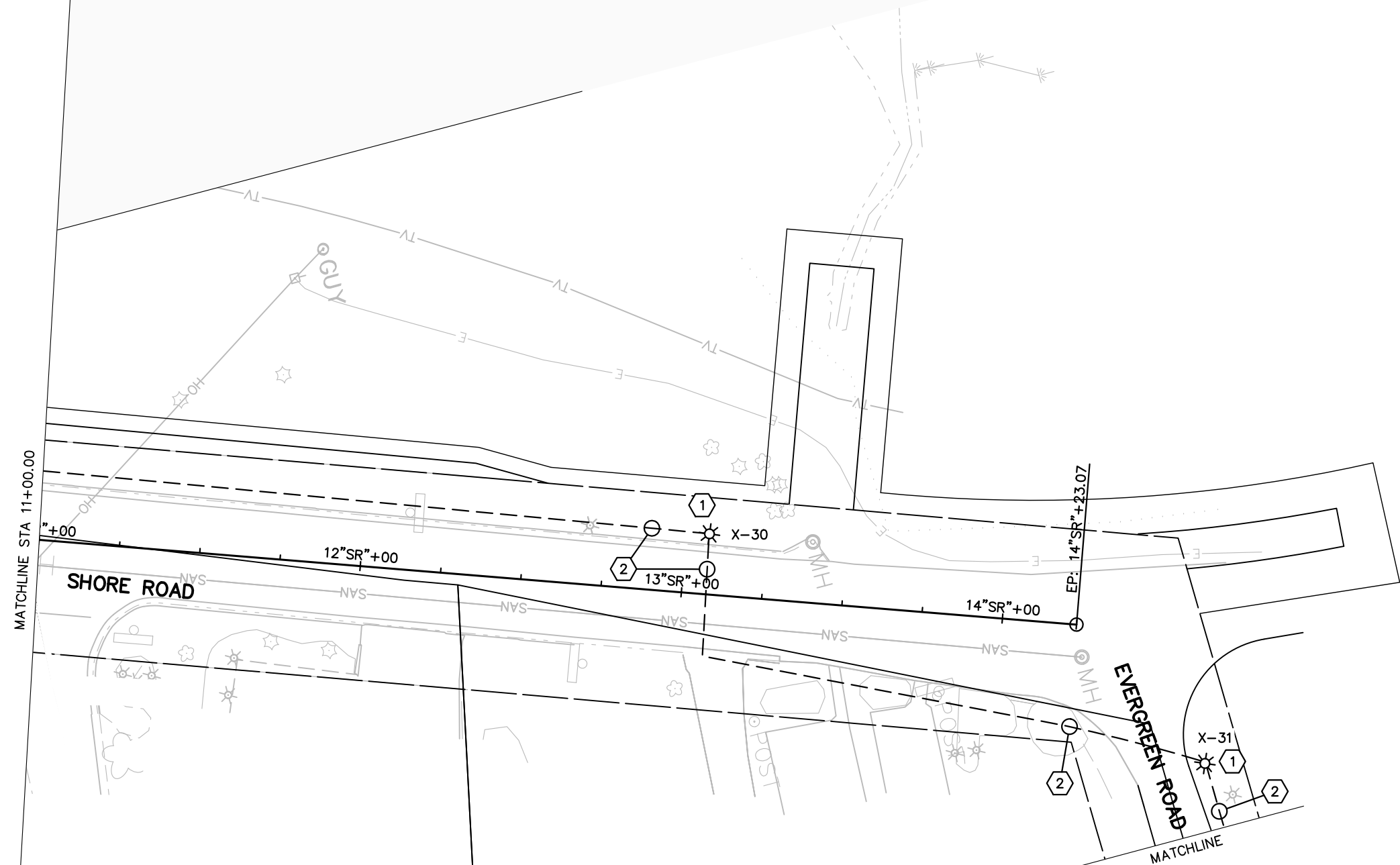




GENERAL NOTES: LIGHTING

- 1 SALVAGE LIGHTING UNIT AND REMOVE LIGHT FOUNDATION
- 2 REMOVE CABLES AND/OR CONDUIT

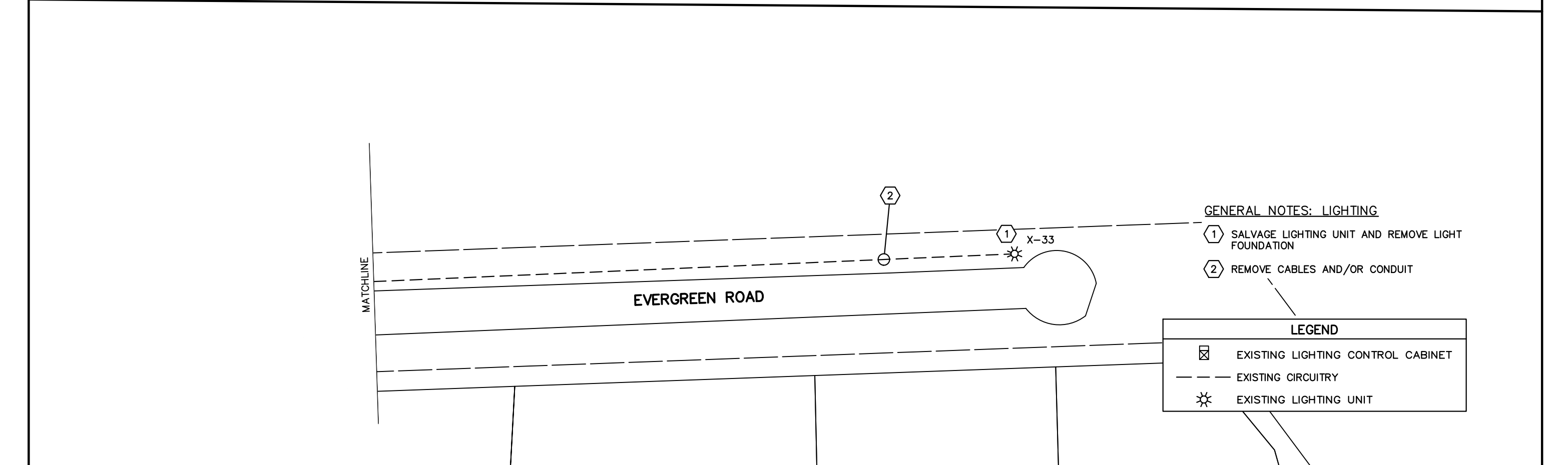
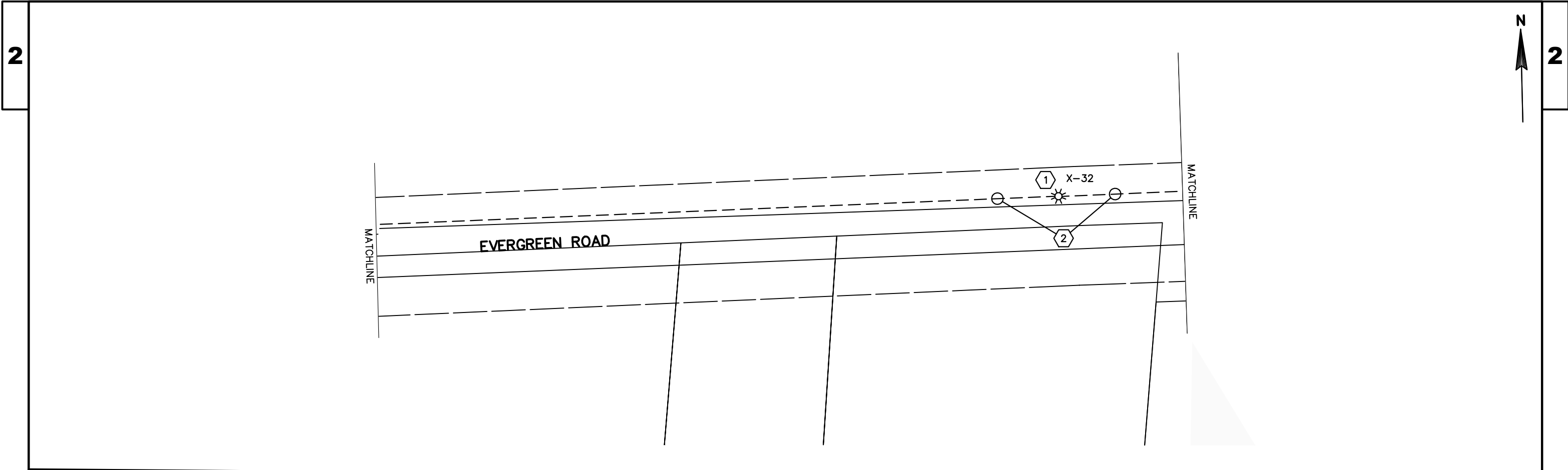
LEGEND	
	EXISTING LIGHTING CONTROL CABINET
	EXISTING CIRCUITRY
	EXISTING LIGHTING UNIT

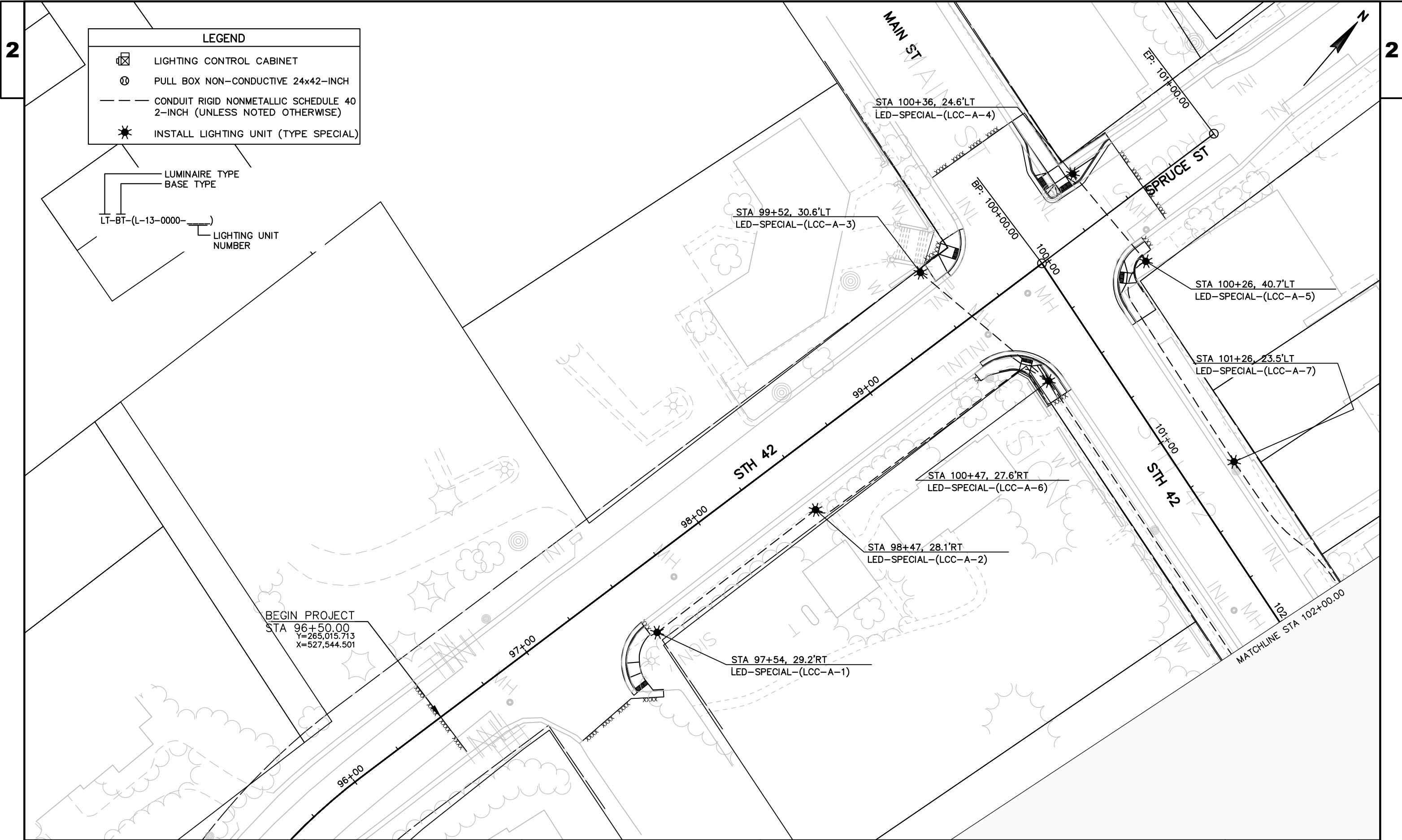
**GENERAL NOTES: LIGHTING**

- 1 SALVAGE LIGHTING UNIT AND REMOVE LIGHT FOUNDATION
- 2 REMOVE CABLES AND/OR CONDUIT

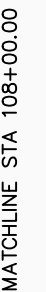
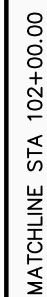
LEGEND

- EXISTING LIGHTING CONTROL CABINET
- EXISTING CIRCUITRY
- EXISTING LIGHTING UNIT





2



+00 103+00 104+00 105+00 106+00 107+00 108+00

STH 42

LIGHT SHALL BE
PLACED WEST OF
EXISTING STONE PILLAR

STA 103+18, 29.8' LT
LED-SPECIAL-(LCC-A-9)

STA 105+43, 28.6'LT
LED-SPECIAL-(LCC-A-11)

STA 107+47, 28.6'LT
LED-SPECIAL-(LCC-A-13)

STA 102+32, 26.8' RT
LED-SPECIAL-(LCC-A-8)

PINE
ST

STA 104+38, 27.4'RT
LED-SPECIAL-(LCC-A-10)

STA 106+47, 25.4 RT
LED-SPECIAL-(LCC-A-12)

LT-BT-(L-13-0000-)

LUMINAIRE TYPE
BASE TYPE
LIGHTING UNIT
NUMBER

LEGEND

- | | |
|---|--|
|  | LIGHTING CONTROL CABINET |
|  | PULL BOX NON-CONDUCTIVE 24x42-INCH |
| — — — | CONDUIT RIGID NONMETALLIC SCHEDULE 40
2-INCH (UNLESS NOTED OTHERWISE) |
|  | INSTALL LIGHTING UNIT (TYPE SPECIAL) |

PROJECT NO: 4140-19-73

HWY:STH 42

COUNTY:DOOR

LIGHTING DETAILS

SHEET

3

FILE NAME : \\SP3020-1\PROJECTS\FJ\G\GIBRA\139954\5-FINAL-DSGN\51-DRAWINGS\139954_LT1.DWG
LAYOUT NAME - 021202-PD

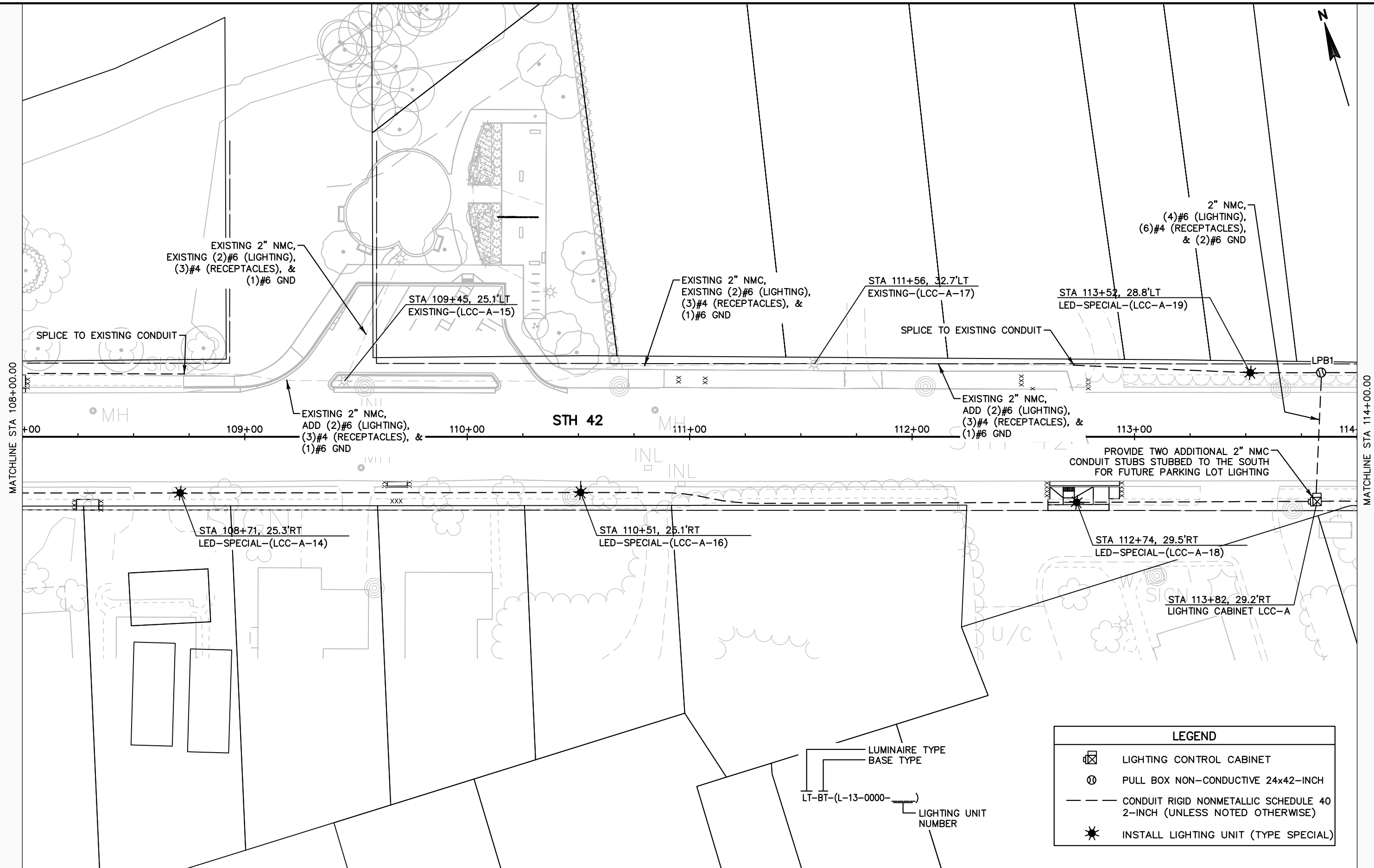
PLOT DATE : 2/7/2019 7:05 PM

PLOT BY : ANDREW K. FELBER

PLOT NAME :

PLOT SCALE : 1 IN: 40 FT

WISDOT/CADDS SHEET 42



PROJECT NO: 4140-19-73

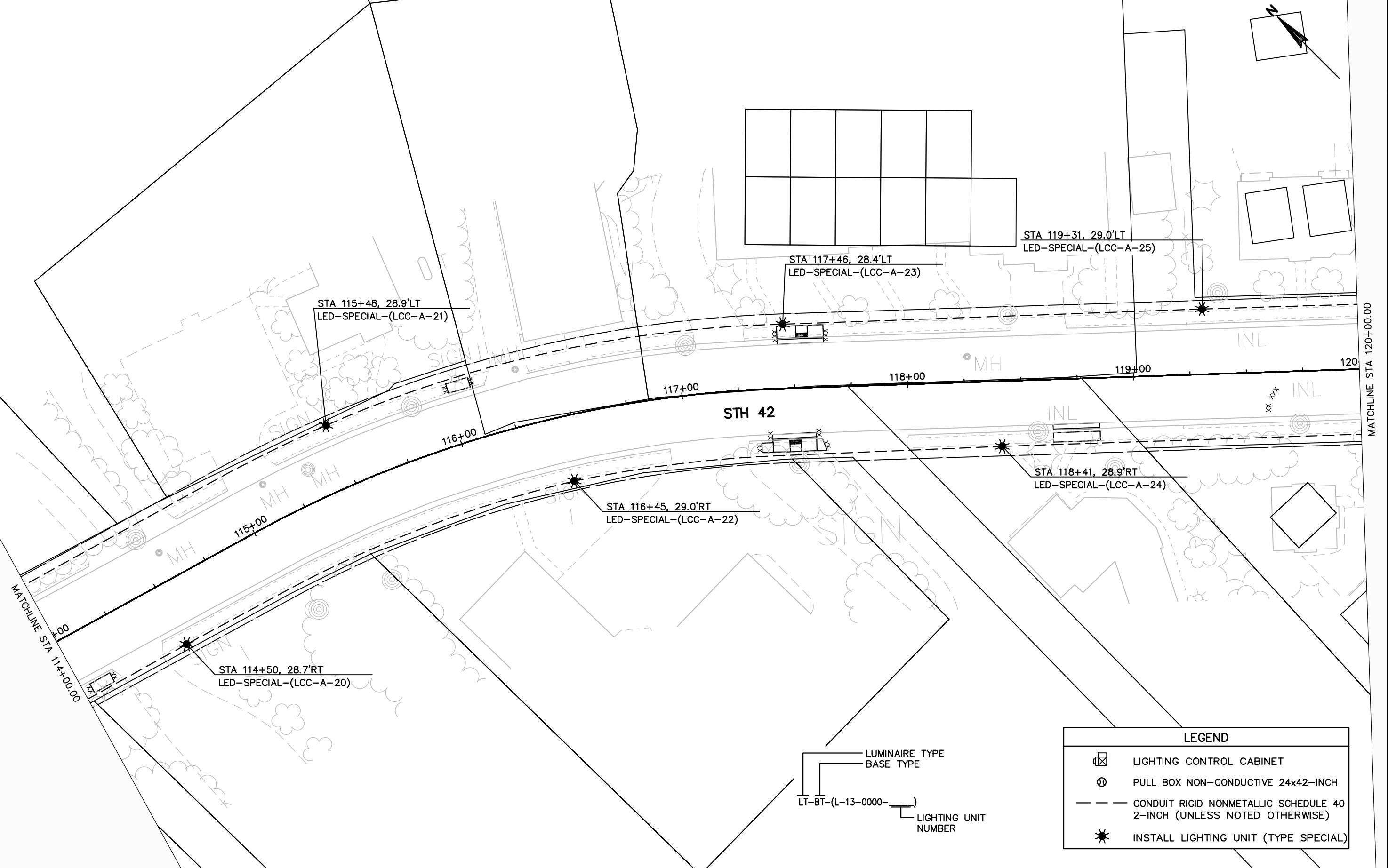
HWY: STH 42

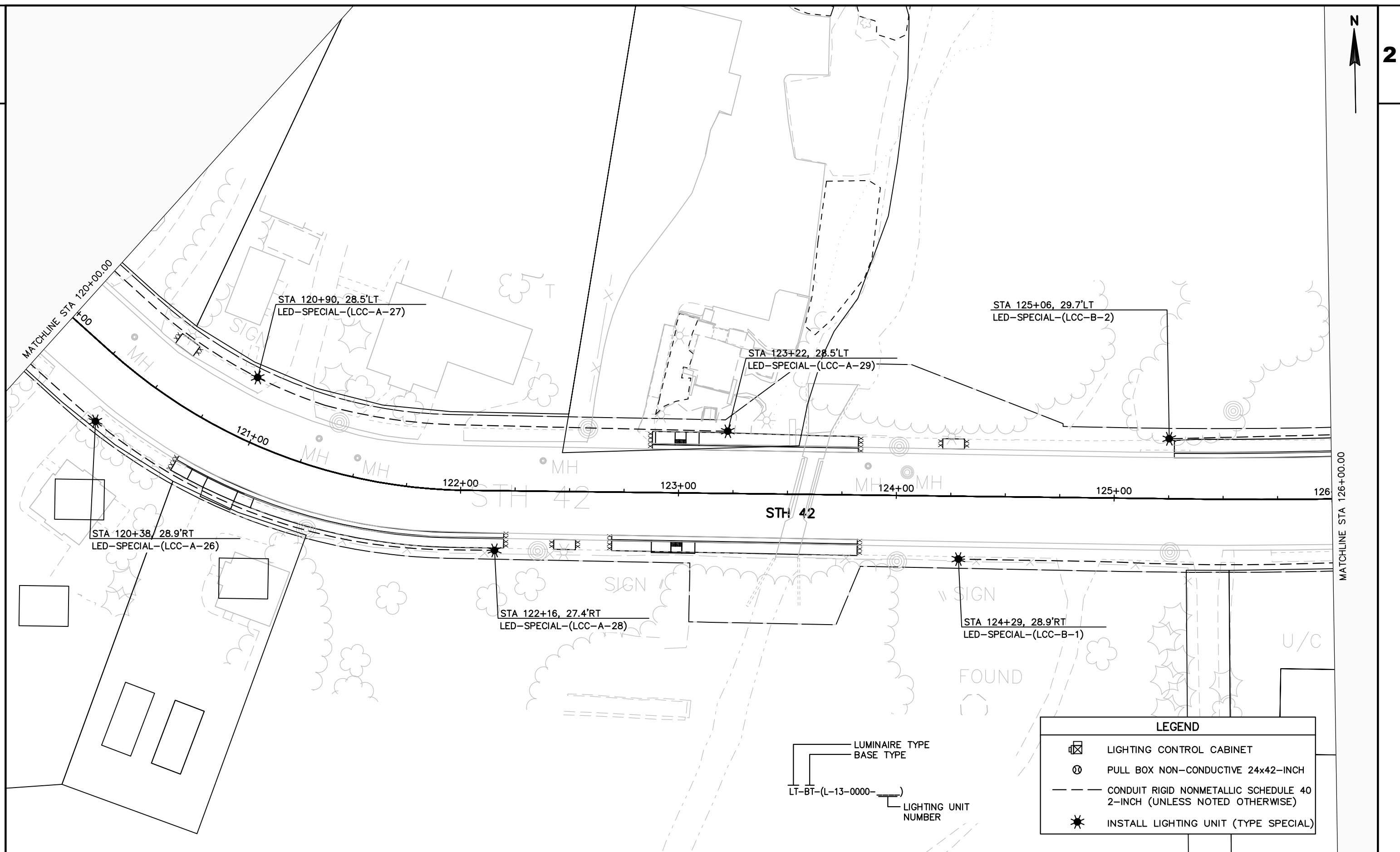
COUNTY: DOOR

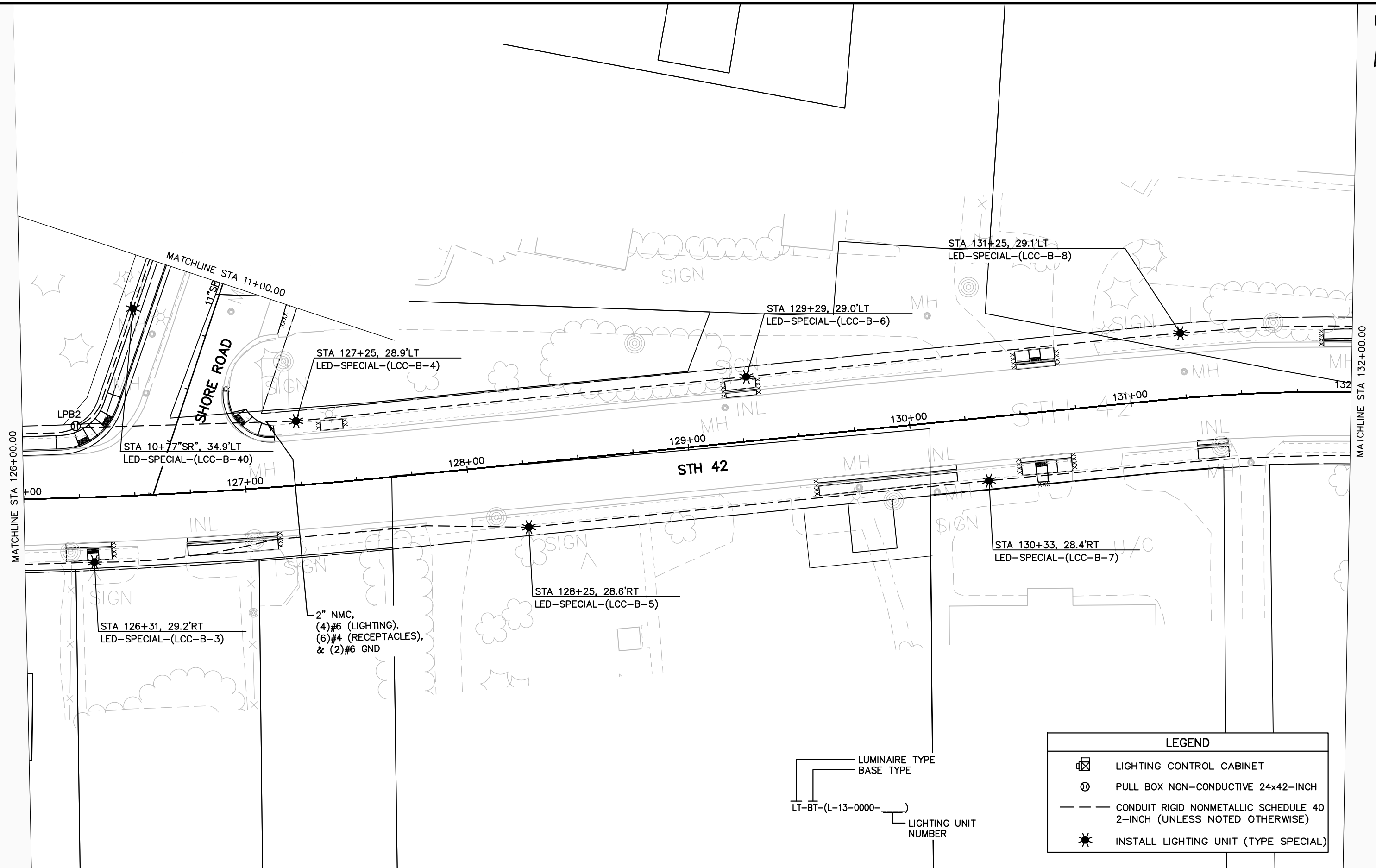
LIGHTING DETAILS

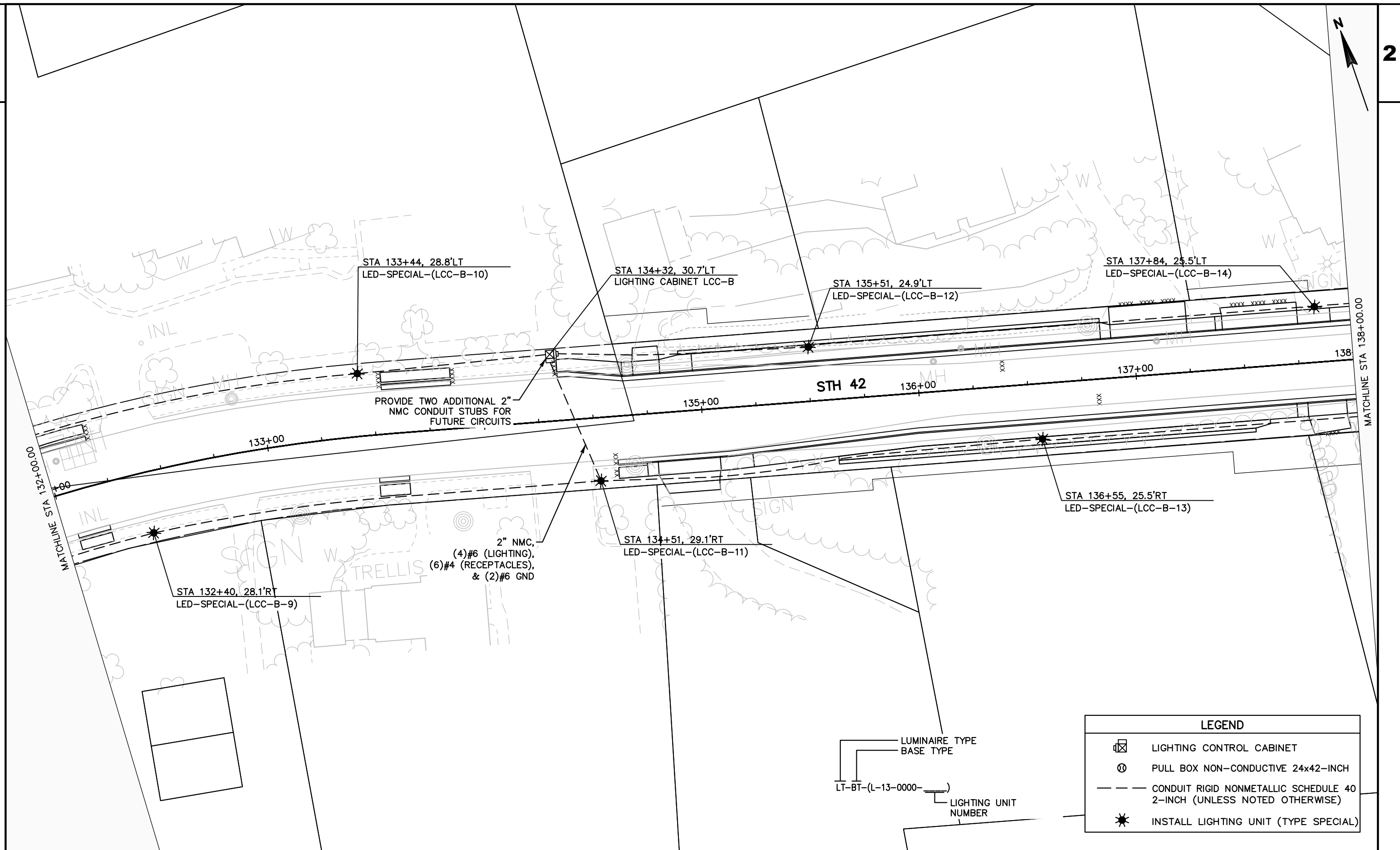
SHEET

E









MATCHLINE STA 138+00.00



ATHLETIC FIELD

STA 139+66, 25.1'LT
LED-SPECIAL-(LCC-B-16)STA 141+75, 28.9'LT
LED-SPECIAL-(LCC-B-18)STA 143+81, 33.5'LT
LED-SPECIAL-(LCC-B-20)

MATCHLINE STA 144+00.00

+00 139+00 140+00 141+00 STH 42 142+00

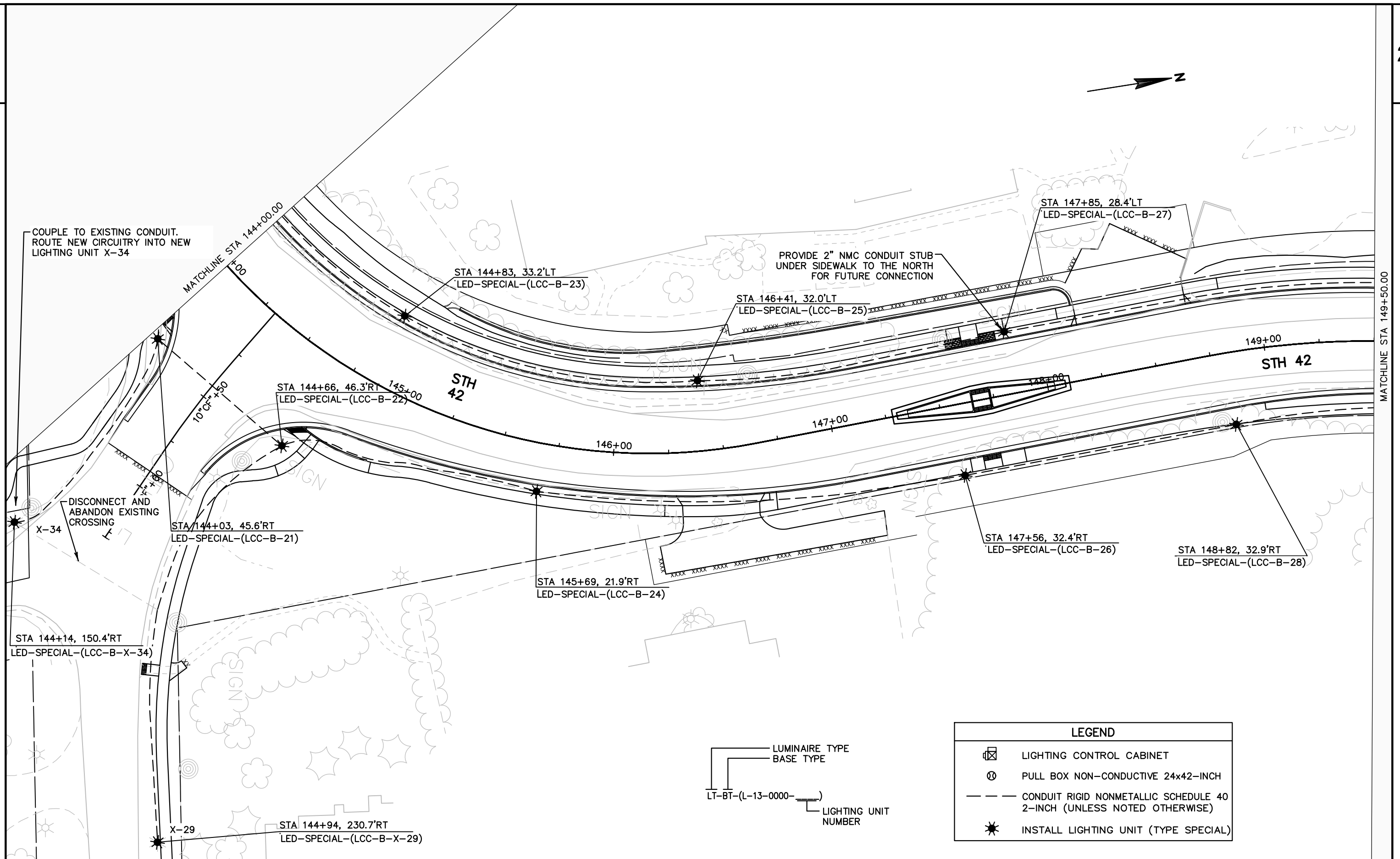
STA 138+68, 25.5'RT
LED-SPECIAL-(LCC-B-15)STA 140+61, 25.5'RT
LED-SPECIAL-(LCC-B-17)STA 142+90, 21.7'RT
LED-SPECIAL-(LCC-B-19)LUMINAIRE TYPE
BASE TYPE

LT-BT-(L-13-0000-)

LIGHTING UNIT
NUMBER

LEGEND

-  LIGHTING CONTROL CABINET
-  PULL BOX NON-CONDUCTIVE 24x42-INCH
-  CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (UNLESS NOTED OTHERWISE)
-  INSTALL LIGHTING UNIT (TYPE SPECIAL)



PROJECT NO: 4140-19-73

HWY: STH 42

COUNTY: DOOR

LIGHTING DETAILS

SHEET

E

FILE NAME : \\SP3020-1\PROJECTS\FJ\G\GIBRA\139954\5-FINAL-DSGN\51-DRAWINGS\139954_LT1.DWG
LAYOUT NAME - 021209-PD

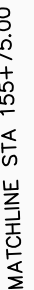
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PLOT BY : ANDREW K. FELBER

PLOT NAME :

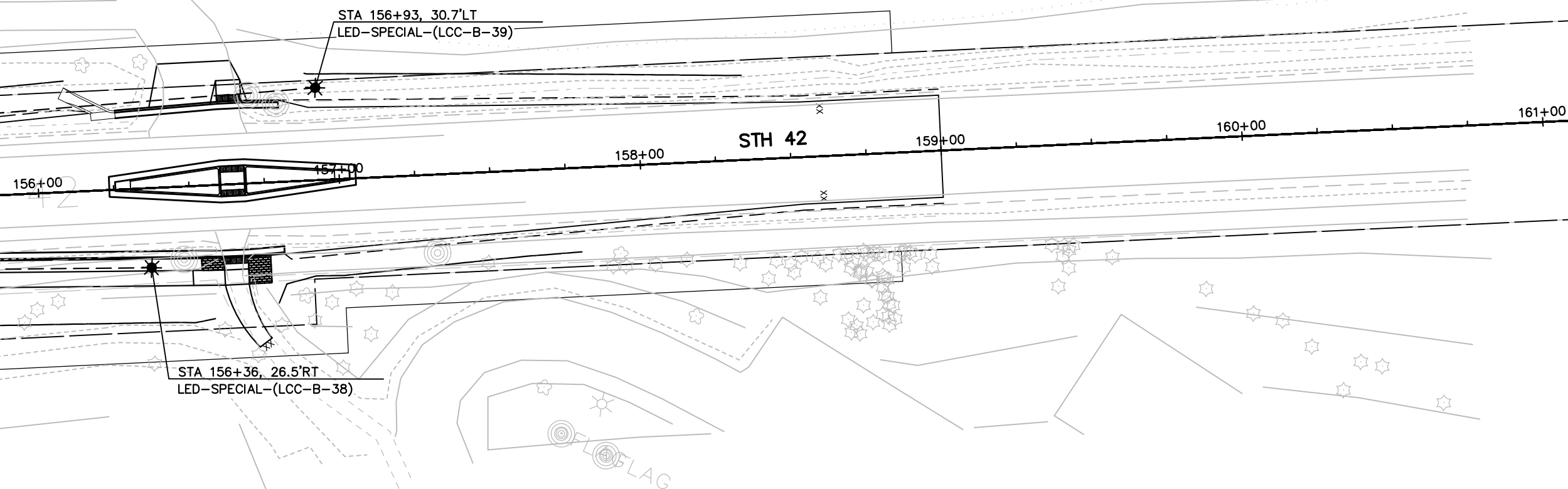
PLOT SCALE : 1 IN: 40 FT

WISDOT/CADDs SHEET 42





MATCHLINE STA 155+75.00



LUMINAIRE TYPE
BASE TYPE
LT-BT-(L-13-0000-)
LIGHTING UNIT
NUMBER

LEGEND

-  LIGHTING CONTROL CABINET
-  PULL BOX NON-CONDUCTIVE 24x42-INCH
-  CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (UNLESS NOTED OTHERWISE)
-  INSTALL LIGHTING UNIT (TYPE SPECIAL)

PROJECT NO: 4140-19-73

HWY: STH 42

COUNTY: DOOR

LIGHTING DETAILS

SHEET

E

FILE NAME : \\SP3020-1\PROJECTS\FJ\G\GIBRA\139954\5-FINAL-DSGN\51-DRAWINGS\139954_LT1.DWG
LAYOUT NAME - 021211-PD

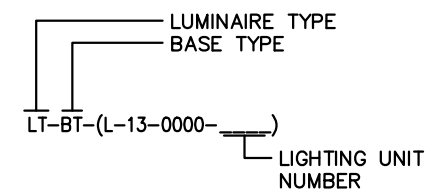
PLOT DATE : 2/7/2019 7:09 PM

PLOT BY : ANDREW K. FELBER

PLOT NAME :

PLOT SCALE : 1 IN: 40 FT

WISDOT/CADDs SHEET 42



LEGEND	
	LIGHTING CONTROL CABINET
	PULL BOX NON-CONDUCTIVE 24x42-INCH
	CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (UNLESS NOTED OTHERWISE)
	INSTALL LIGHTING UNIT (TYPE SPECIAL)

