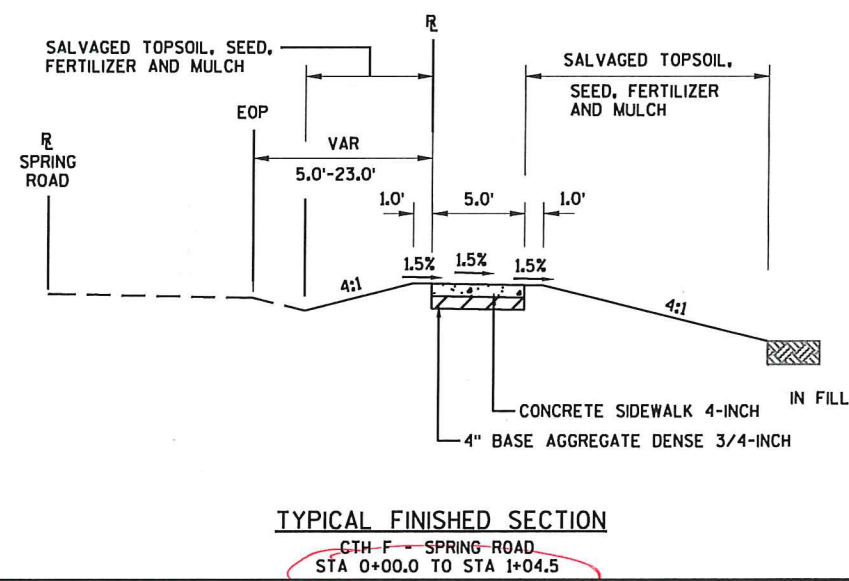



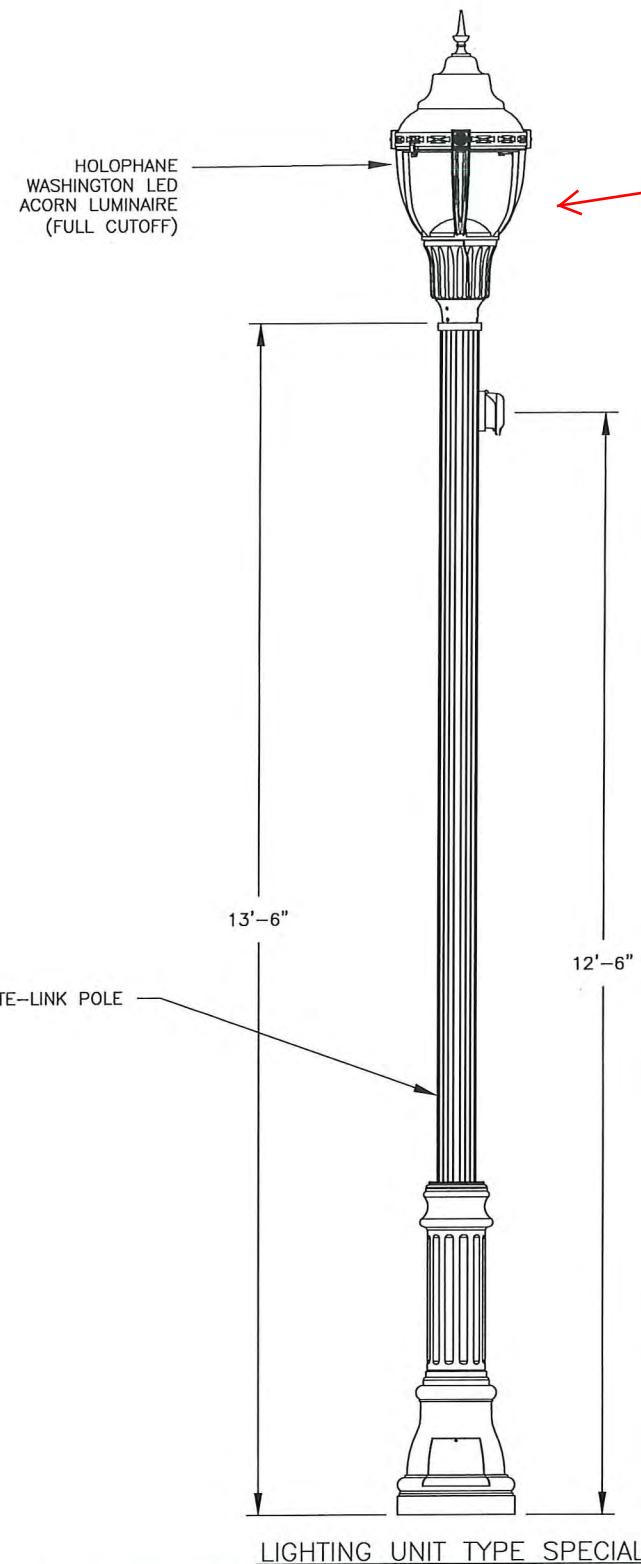
→ Cannot tell where any of these are since all sidewalk alignments have the same stationing.

→ Need some identification of the alignment. Otherwise, it would always be the same, which it isn't.

Pedestrian Curb type Special? Is this a new bid item?



EQUIPMENT SCHEDULE					
SYMBOL	DESCRIPTION	LAMP SOURCE	MOUNTING	OPTICS	MANUFACTURER & SERIES #
	LIGHTING UNIT TYPE SPECIAL ACORN STYLE LED LUMINAIRE ON SITE LINK FLUTED ALUMINUM POLE W/ 20A WR-RATED GFCI RECEPTACLE W/ METTALLIC IN-USE COVER	129 WATT 80 LED 4000K	13'-6" POLE ON LIGHT BASE TYPE SPECIAL	TYPE III	HOLOPHANE - LUMINAIRE: WFCL2-P50-30K-AS-BK-L3-S-DE-20KV-L20 POLE: CH-A-13.5-L5J-16-P07-ABG-BK-FGUIS



How tall is the fixture? 3.5'?

SPV's Needed
-Dimming Feature, where is this noted?
-Removing Lighting Unit
-Salvage Lighting Units (5)
-Town Supplied Light poles, where will the contractor pick them up at?

Proprietary Item:
Light Poles,Fixtures

Esitmate Justification:
Lighting Unit Type Special
Removing Lighting Unit
6 AWG
4 AWG
Conduit
Conduit Special

Bid items:
-Conduit Special - Where will conduit be bored?
-Any additional Sidwalk disturbed due to light removal/ install?

Final Lighting needs to be permit submitted to WisDOT.

Lighting Details -
All Sheets

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).

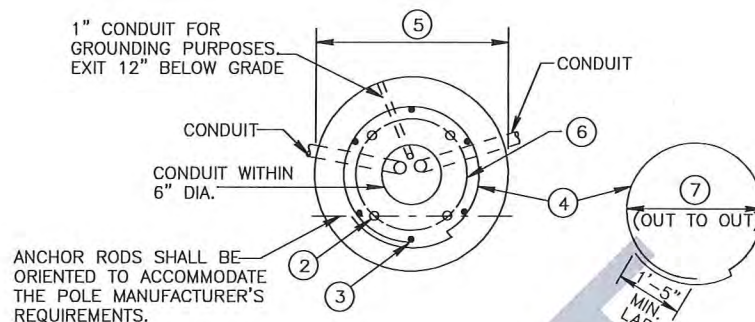
THE EQUIPMENT GROUNDING CONDUCTOR SHALL ENTER THE BASE THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

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

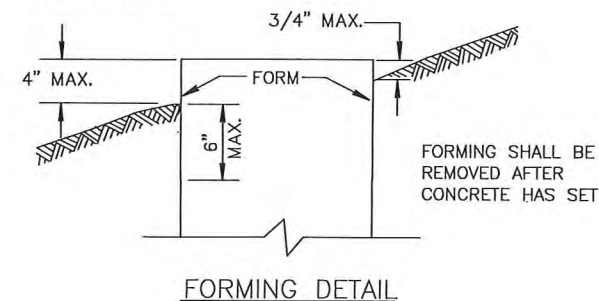
WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

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

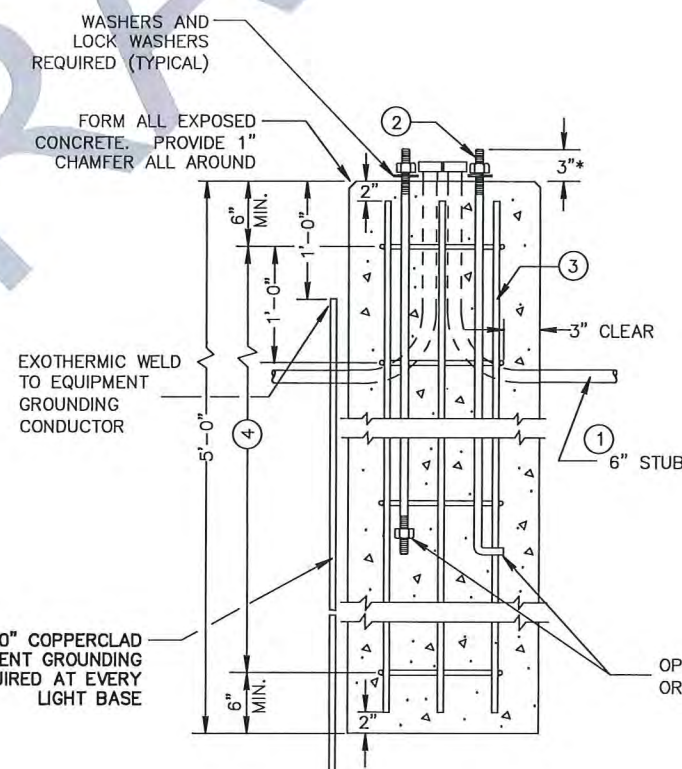
- ① THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN 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

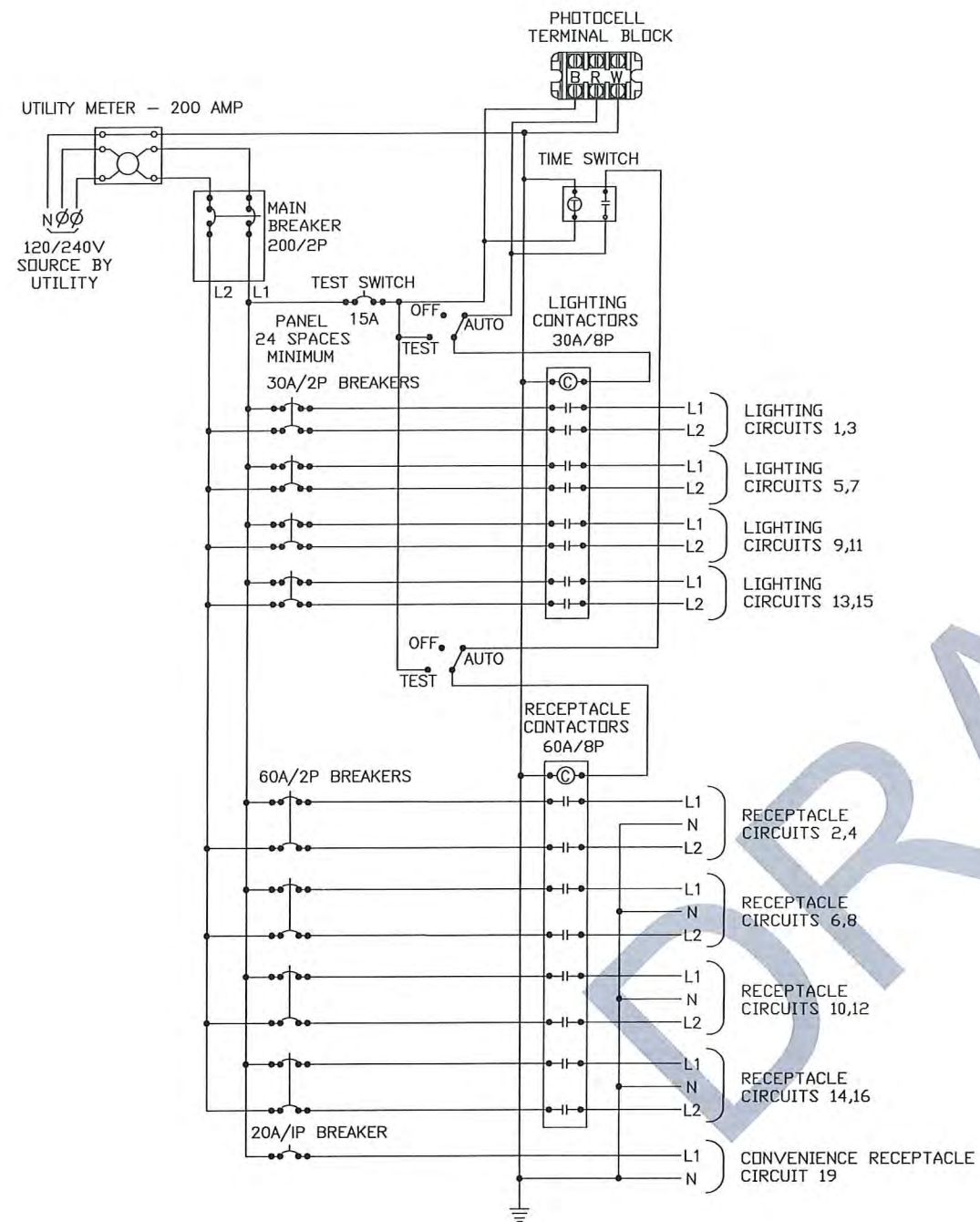


QUANTITY REQUIREMENTS	
APPROX. CUBIC YARDS OF CONCRETE	0.6
LBS. OF HOOP BAR STEEL	21
LBS. OF VERTICAL BAR STEEL	18

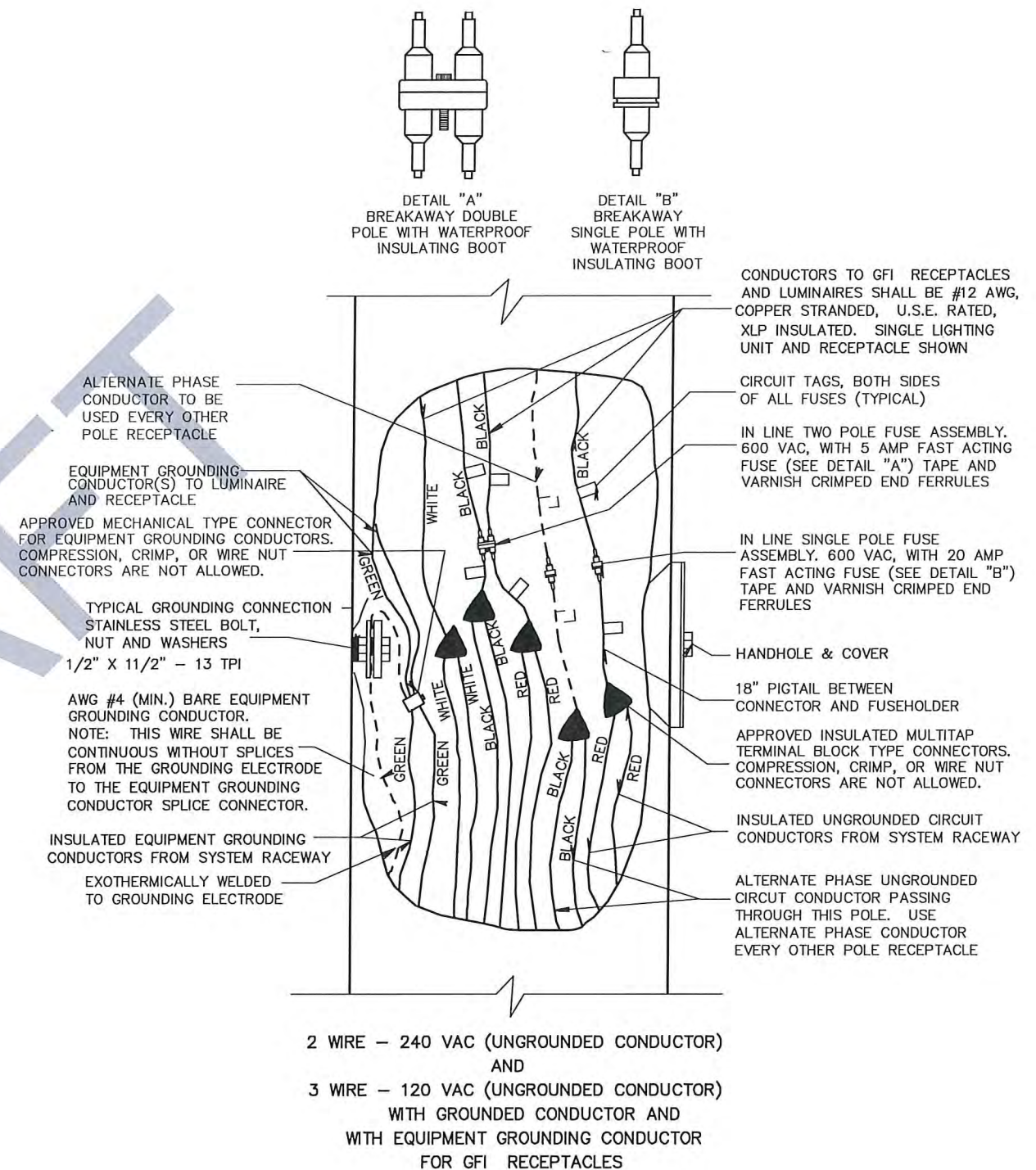


* ANY ANCHOR ROD PROJECTION SHALL BE PER MANUFACTURER'S REQUIREMENTS.

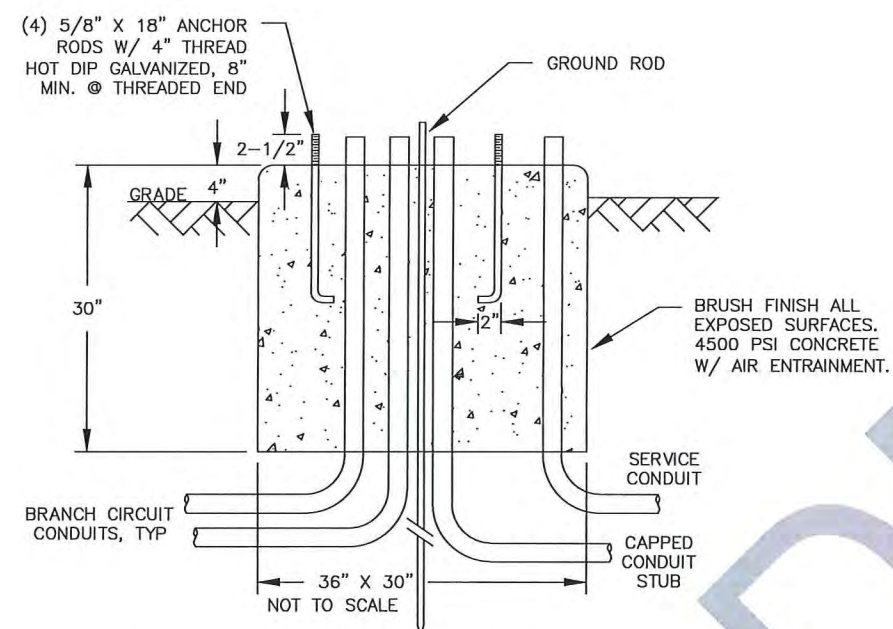
CONCRETE BASE TYPE SPECIAL



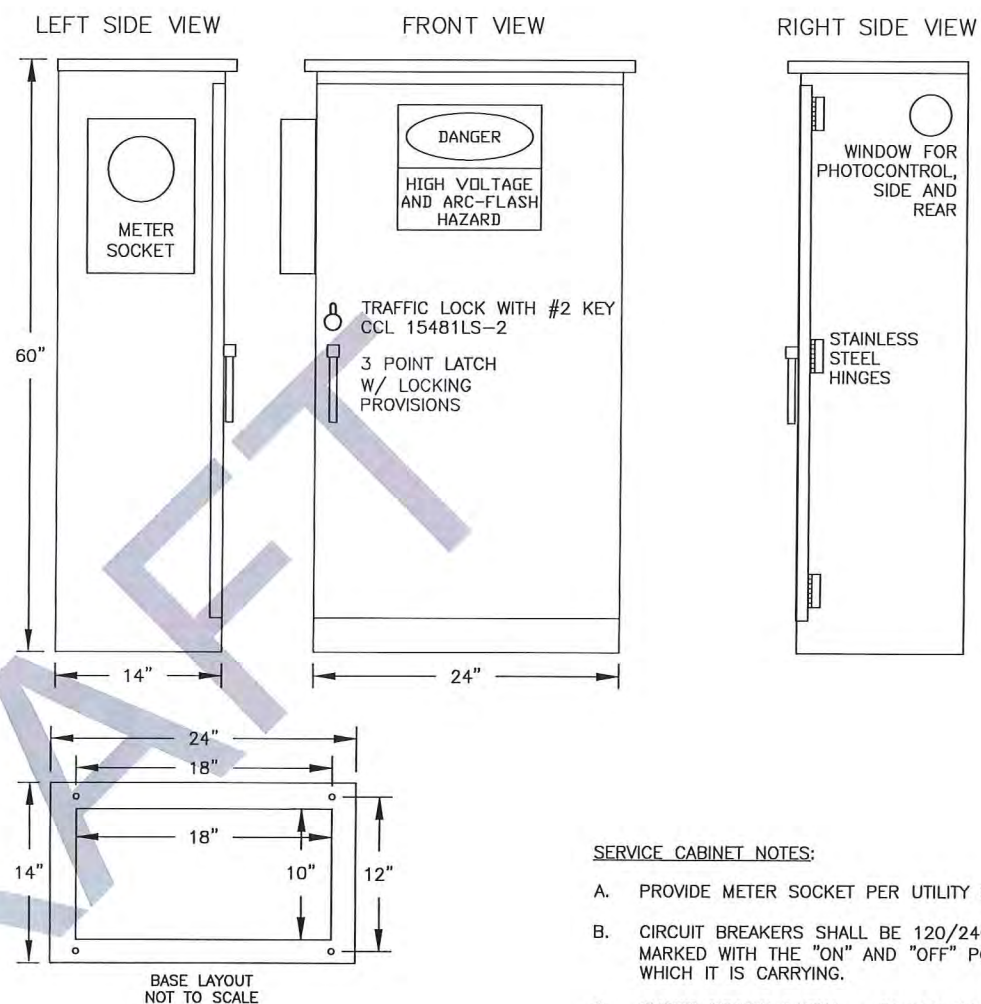
SERVICE CABINET "A" & "B" SCHEMATIC



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



CONCRETE CONTROL CABINET BASE TYPE SPECIAL



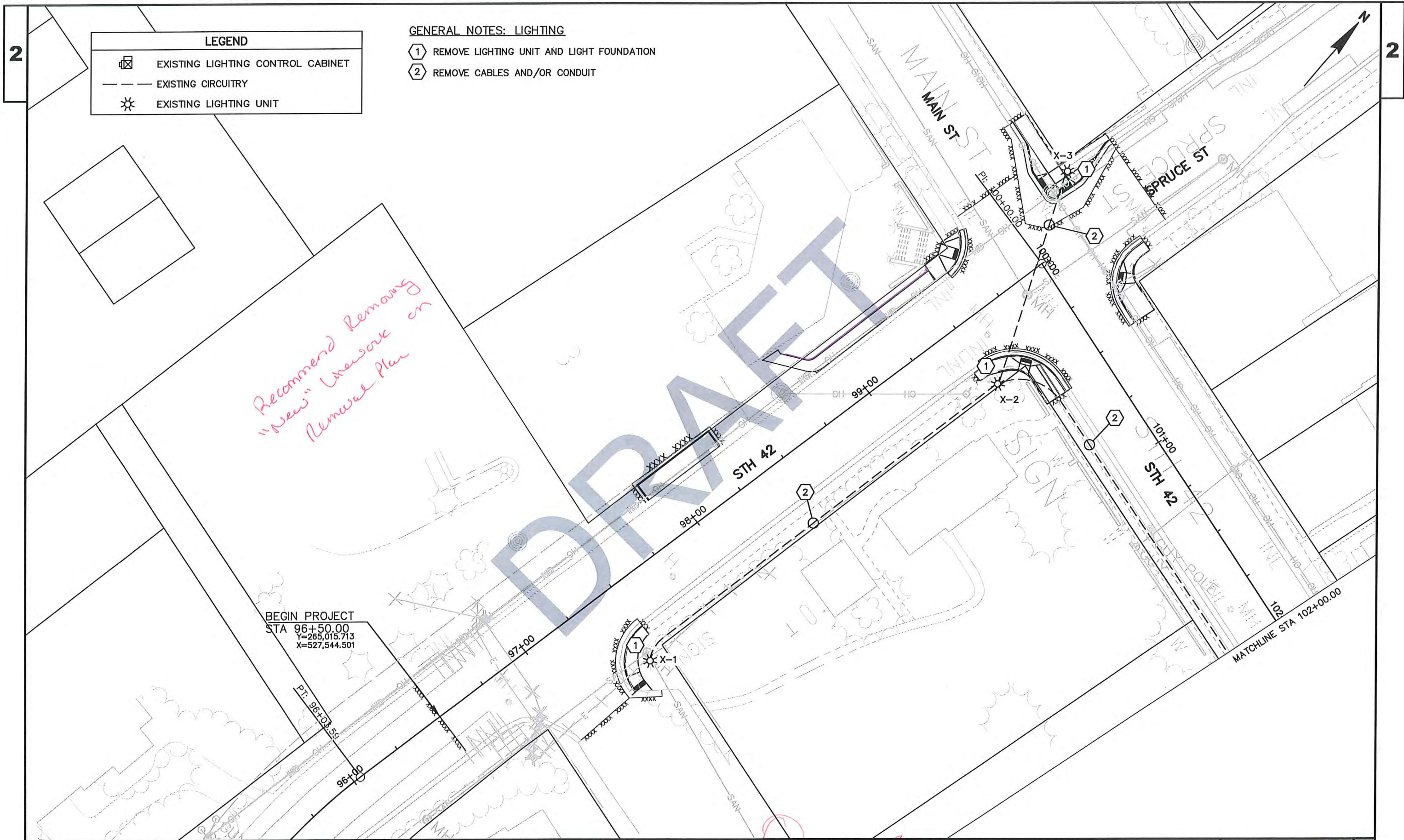
CABINET CONSTRUCTION

- 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:

- A. PROVIDE METER SOCKET PER UTILITY COMPANY REQUIREMENTS.
- B. 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.
- C. SHORT CIRCUIT RATING - 22,000 AIC SYMMETRICAL.
- D. 3-POSITION SELECTOR SWITCH ALLEN BRADLEY #800T-J2A.
- E. CIRCUIT CONTACTORS SHALL HAVE A 240 VOLT RATING, WITH 120 VOLT COIL.
- F. PROVIDE PANEL WITH DIMENSIONS AS REQUIRED TO FIT EQUIPMENT PROPOSED.
- G. PROVIDE A 25-OHM GROUND AT CABINET AS PER NEC.
- H. TIME CLOCK SHALL BE NEMA 3R WITH A CAPACITOR BACK-UP, AUTOMATIC DAYLIGHT SAVINGS TIME, AND LEAP YEAR ADJUSTMENTS. TORK, MODEL E101B.
- I. PROVIDE 20A WR-RATED GFCI RECEPTACLE MOUNTED TO CABINET DEAD-FRONT.
- J. BOTH PHOTOCONTROL AND ITS SOCKET SHALL BE 3 TERMINAL, POLARIZED, TWIST-LOCK TYPE. IT SHALL BE EQUIPPED WITH A MOVRO TYPE LIGHTNING ARRESTER.
- K. CABINET SHALL BE MANUFACTURED BY POVOLNY SPECIALTIES INC. 651.452.7335.
- L. COORDINATE SUPERIOR WATER LIGHT AND POWER SERVICE CONNECTIONS WITH XXXX AT XXXX.

LIGHTING CONTROL CABINET TYPE SPECIAL DETAILS



LEGEND

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

GENERAL NOTES: LIGHTING

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

*Recommend Removing
"new" LiveWire on
Removal Plan*

BEGIN PROJECT
STA 96+50.00
Y=265,015.713
X=527,544.501

PT. 96+01.59




MATCHLINE STA 102+00.00

GENERAL NOTES: LIGHTING

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

Need to clarify. Probably don't want to remove conduits under roadway.

Pole Location should be within Terrace.

LEGEND	
	EXISTING LIGHTING CONTROL CABINET
	EXISTING CIRCUITRY
	EXISTING LIGHTING UNIT

MATCHLINE STA 102+00.00

MATCHLINE STA 108+00.00

GENERAL NOTES: LIGHTING

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

Salvage Light Pole
to ???

MATCHLINE STA 108+00.00

MATCHLINE STA 114+00.00

STH 42

STH 42

Salvage Light Pole
to ???

LEGEND

- EXISTING LIGHTING CONTROL CABINET
EXISTING CIRCUITRY
EXISTING LIGHTING UNIT

Salvage Light Pole
to ???

LABEL?
IS THIS IN MISC QTY?

Salvage Light Pole
to ???

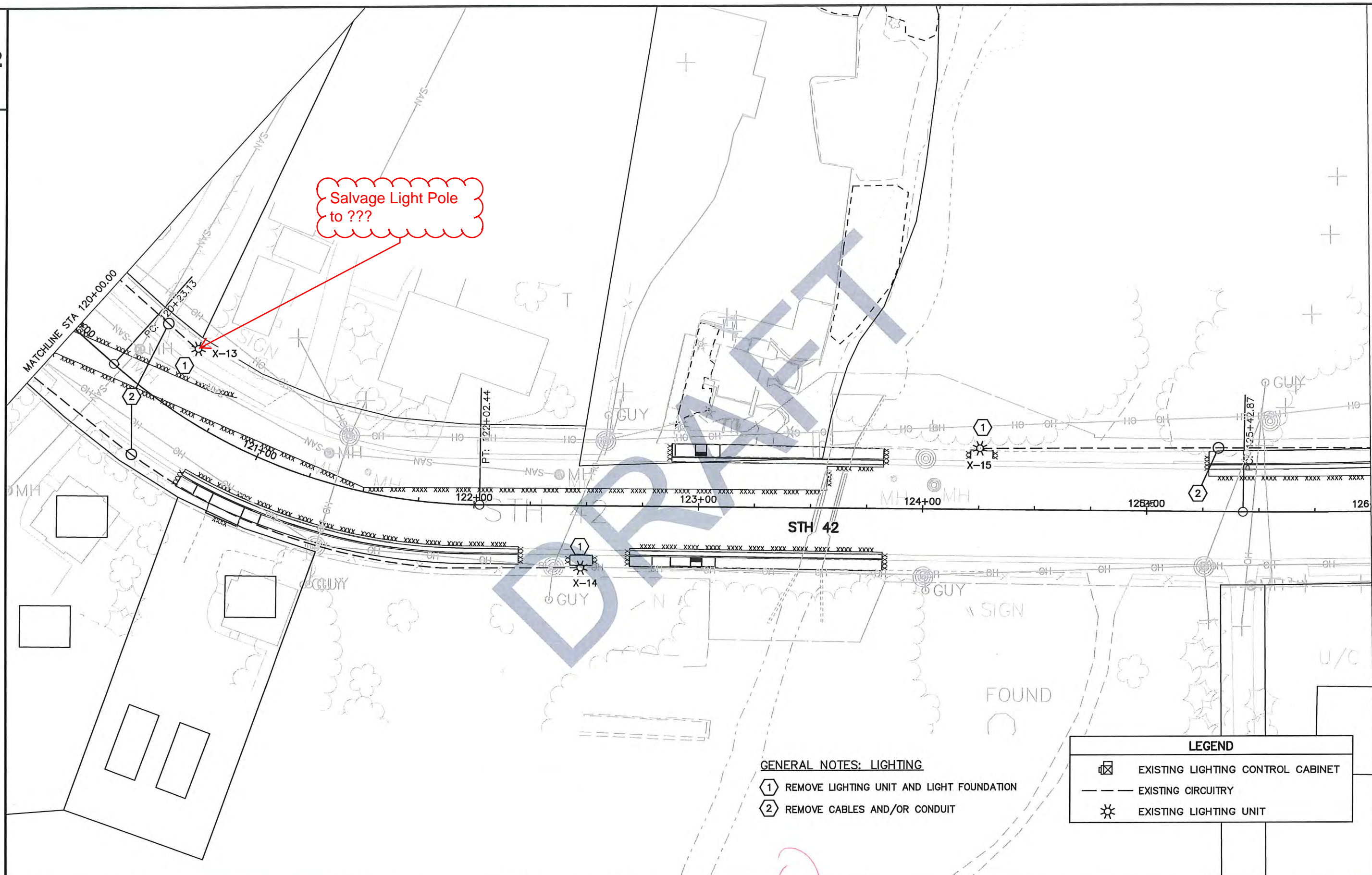
STH 42

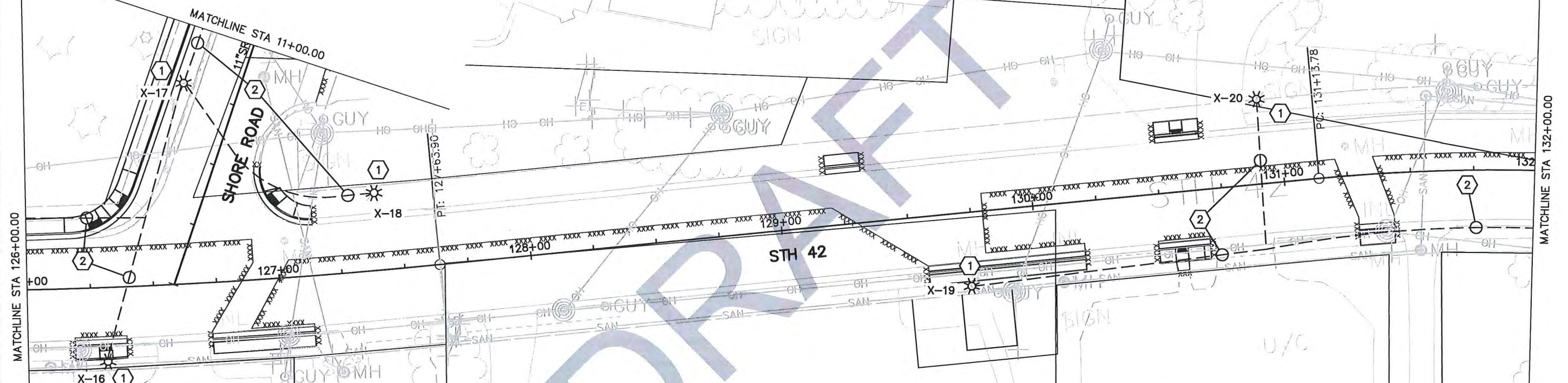
GENERAL NOTES: LIGHTING

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

LEGEND

- ☒ EXISTING LIGHTING CONTROL CABINET
- — — EXISTING CIRCUITRY
- ☼ EXISTING LIGHTING UNIT

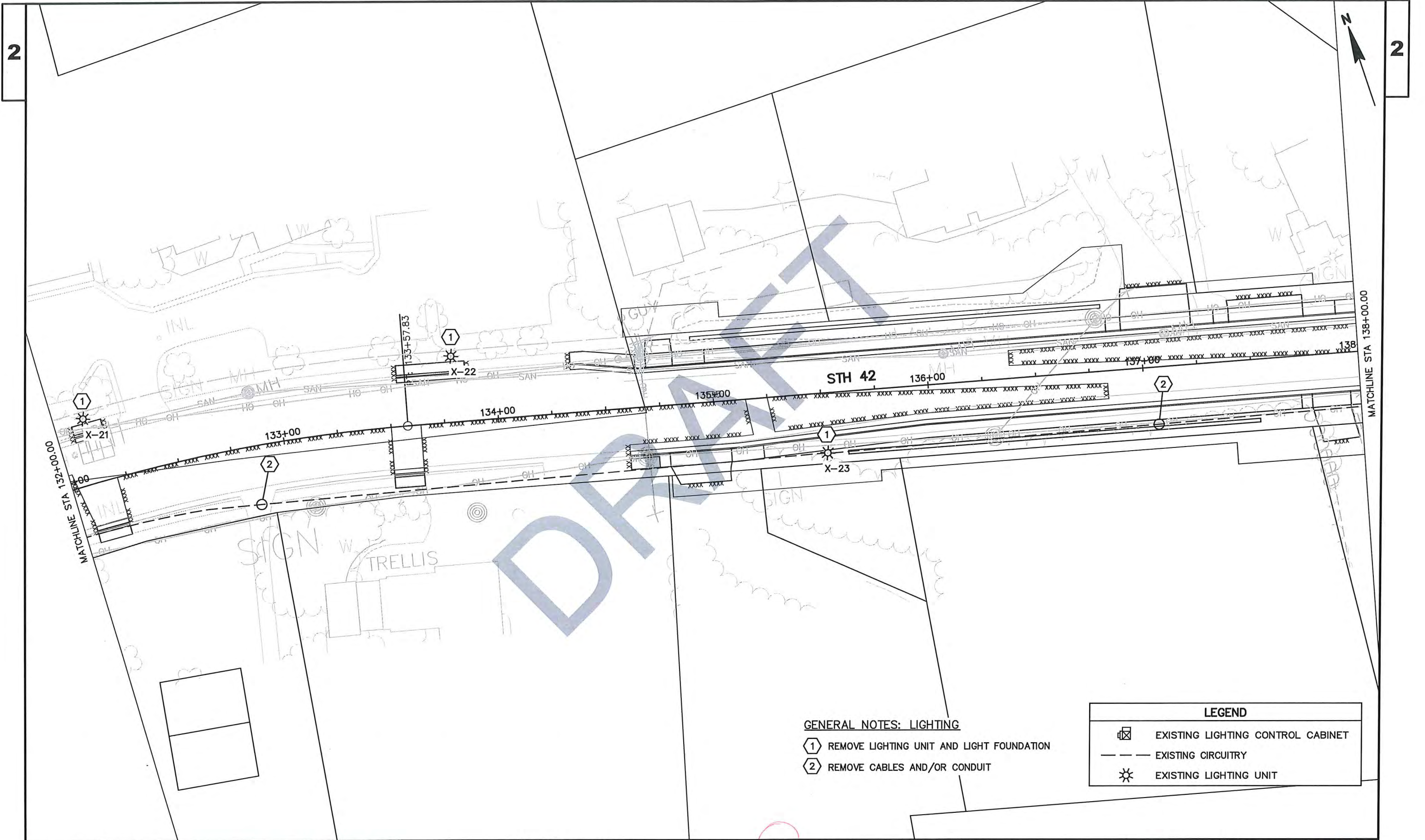


**GENERAL NOTES: LIGHTING**

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

LEGEND




- ☒ EXISTING LIGHTING CONTROL CABINET
- — — EXISTING CIRCUITRY
- ☼ EXISTING LIGHTING UNIT

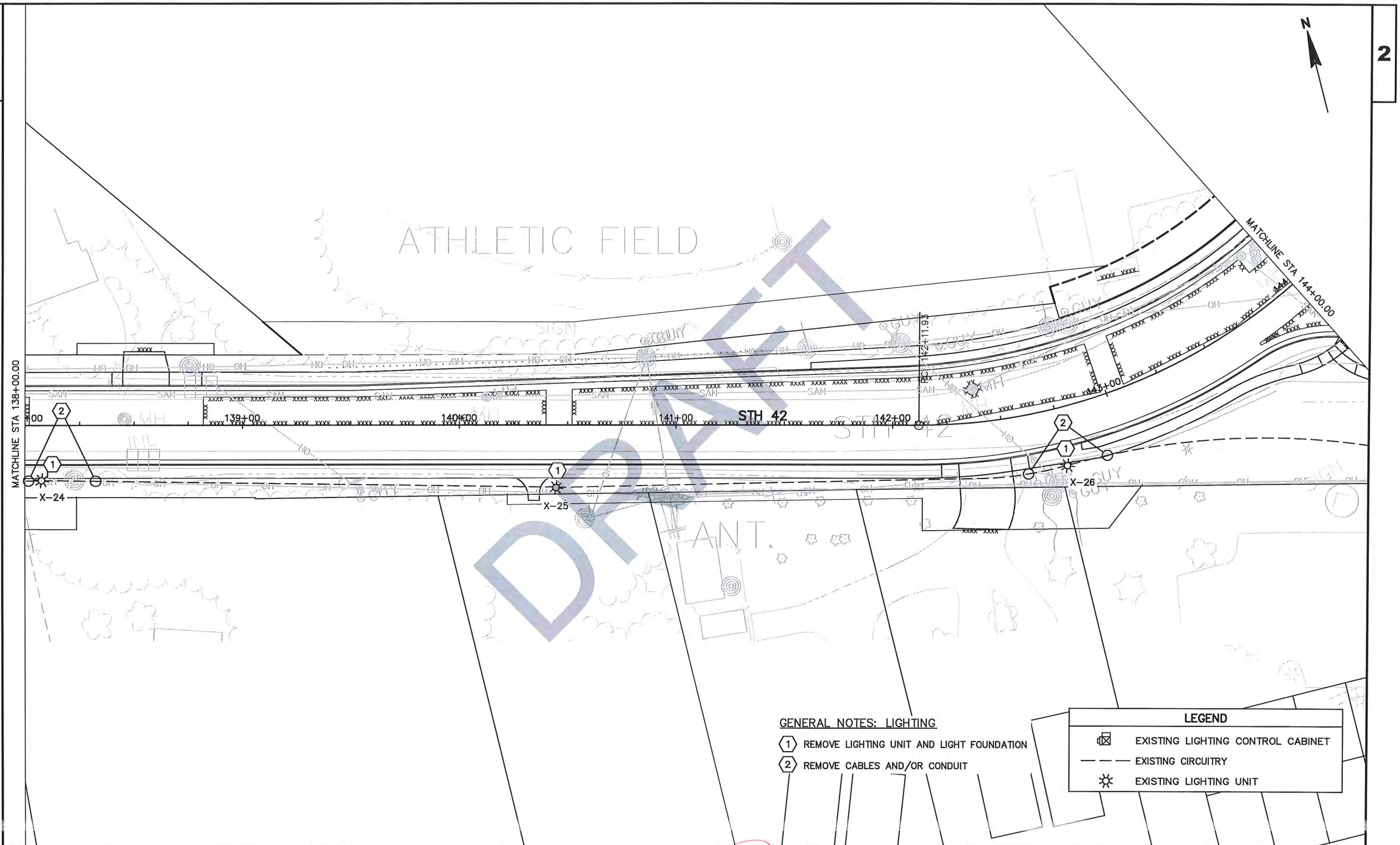


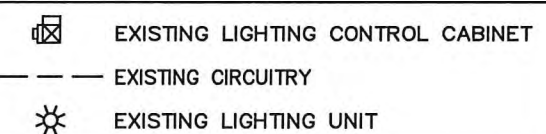
GENERAL NOTES: LIGHTING

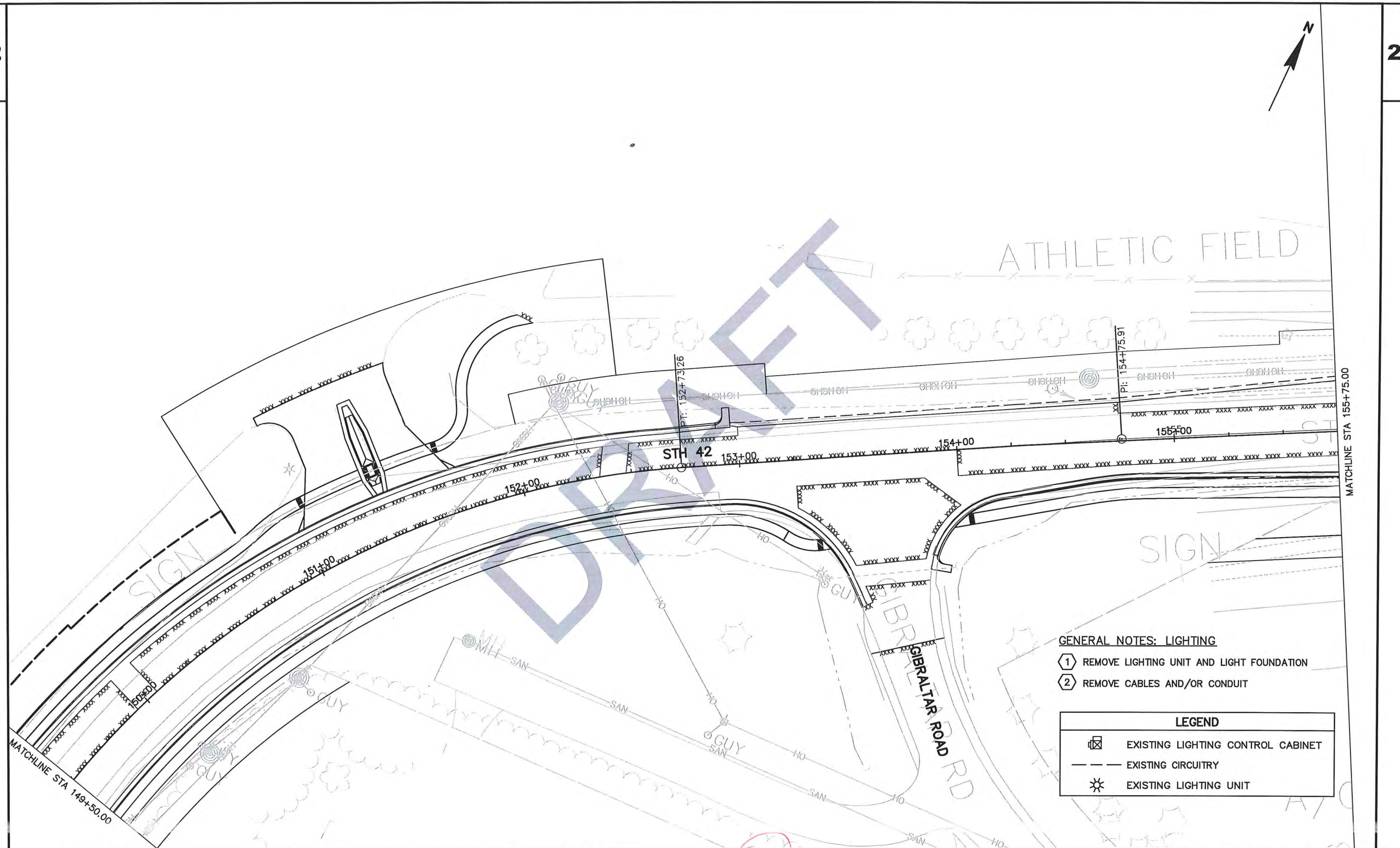
- ① REMOVE LIGHTING UNIT AND LIGHT FOUNDATION
- ② REMOVE CABLES AND/OR CONDUIT

LEGEND

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







PROJECT NO: 4140-19-71

HWY: STH 42

COUNTY: DOOR

PLAN DETAILS

SHEET

PRE 146 E

FILE NAME : \\SP3020-1\PROJECTS\FJ\G\GIBRA\139954\5-FINAL-DSGN\51-DRAWINGS\139954_LT REMOVALS.DWG
LAYOUT NAME - 021210-PD

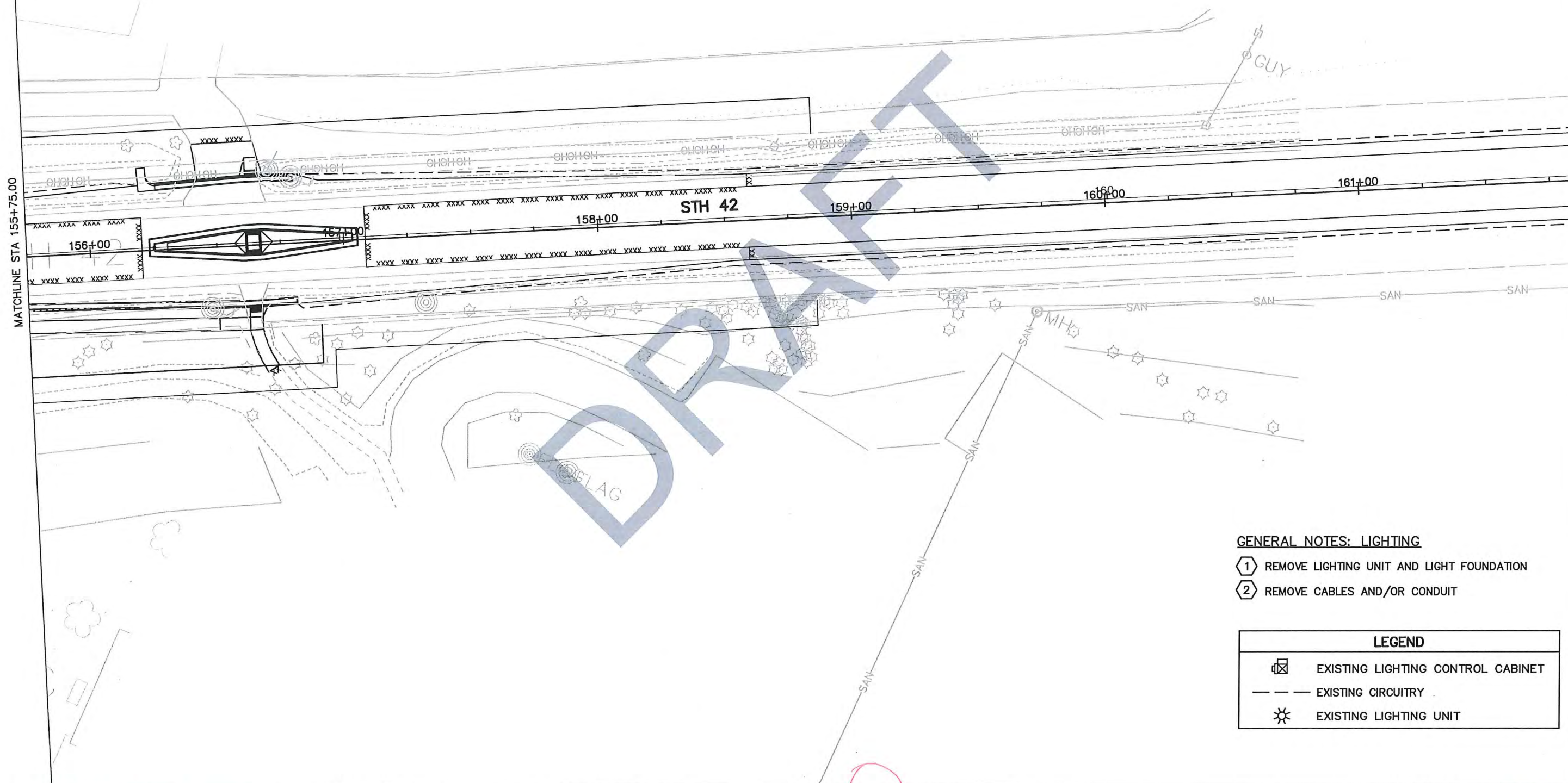
PLOT DATE : 1/31/2018 11:10 AM

PLOT BY : ANDREW FELBER

PLOT NAME :

PLOT SCALE : 1 IN: 40 FT

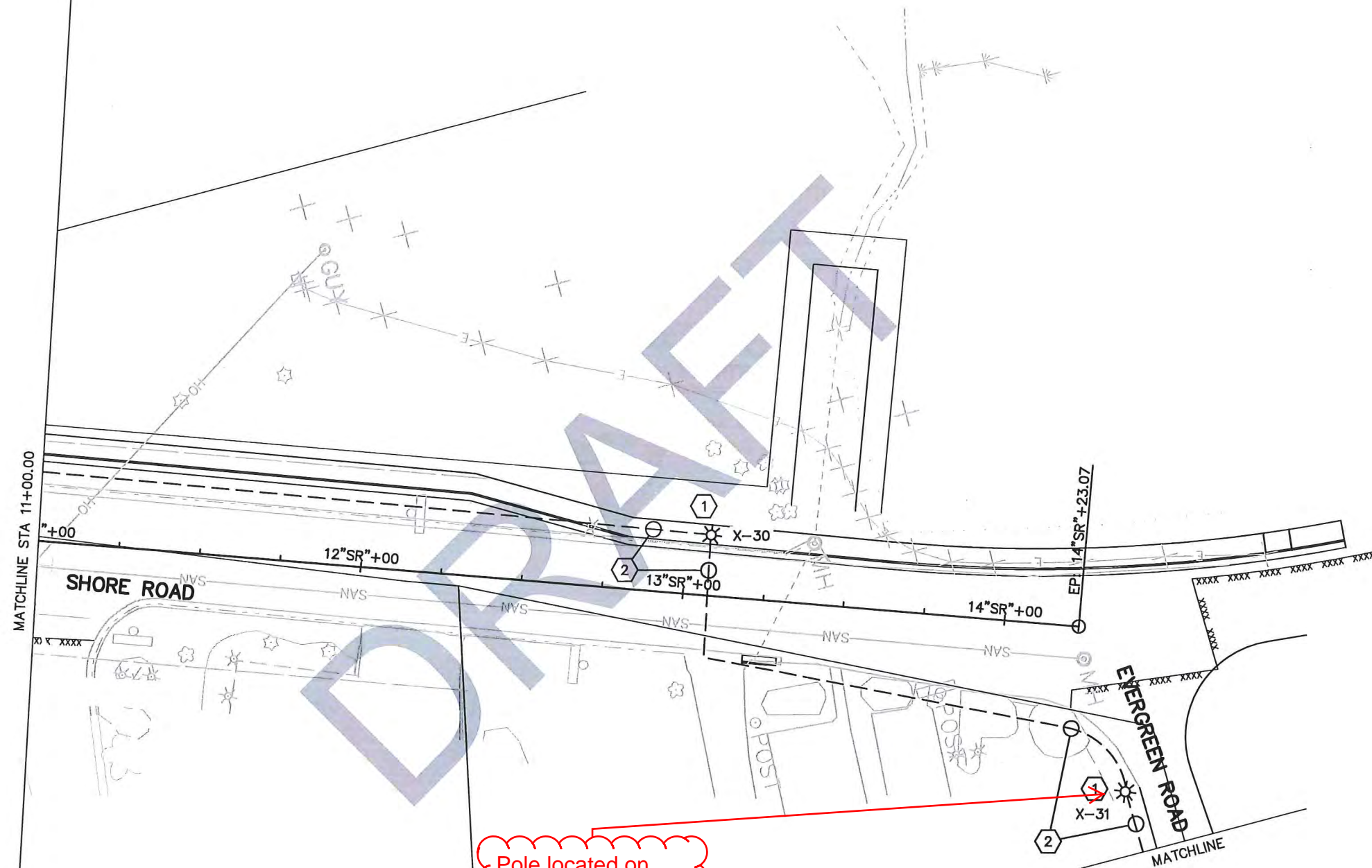
WISDOT/CADDs SHEET 42

**GENERAL NOTES: LIGHTING**

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

LEGEND

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



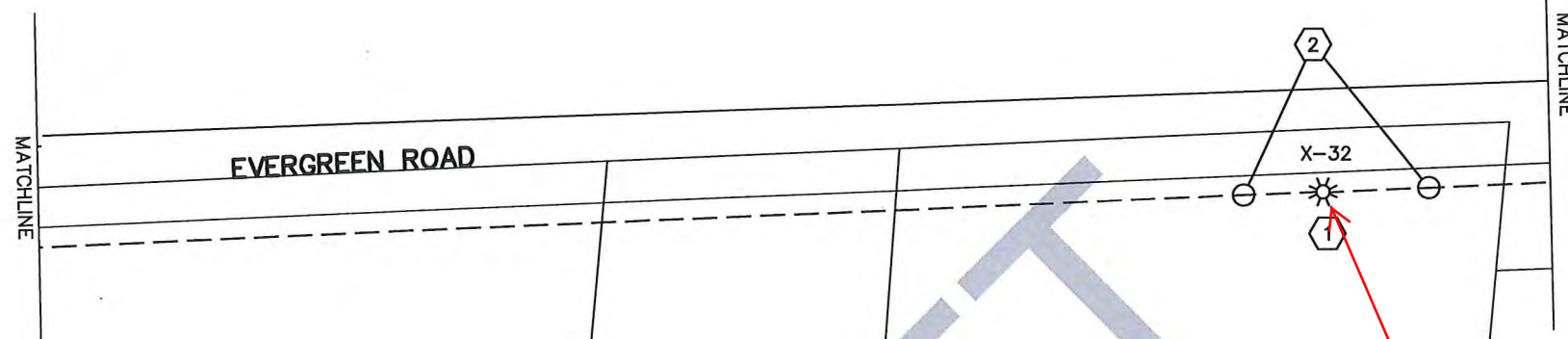
Pole located on
north side of
Evergreen.

GENERAL NOTES: LIGHTING

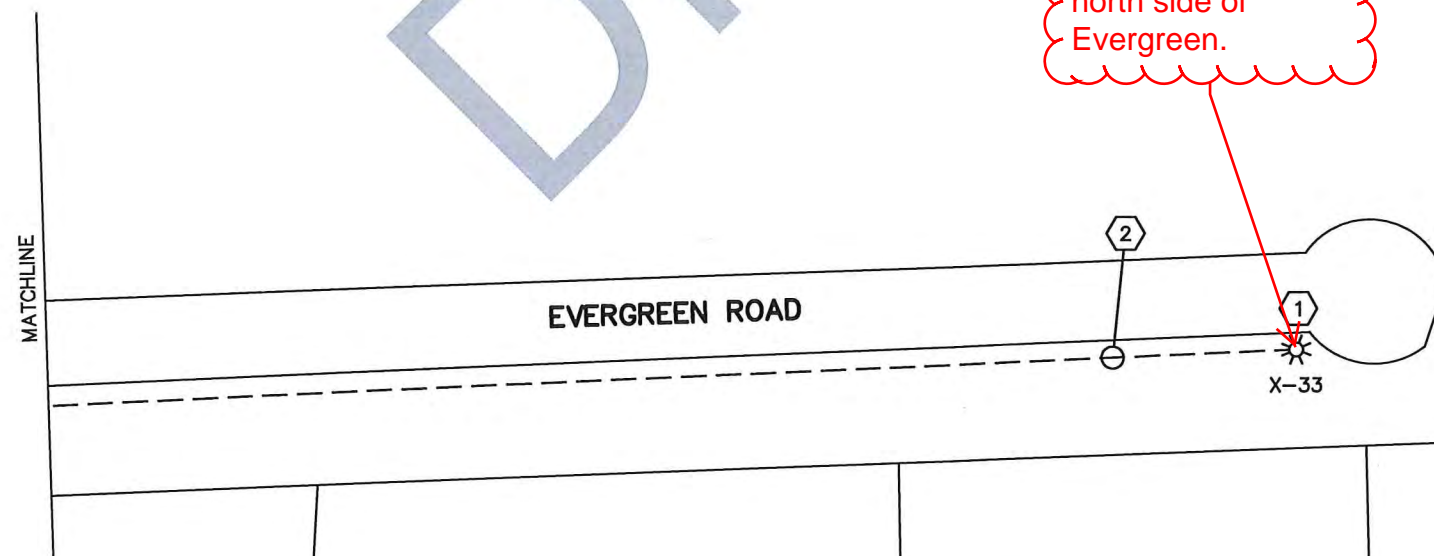
- ① REMOVE LIGHTING UNIT AND LIGHT FOUNDATION
- ② REMOVE CABLES AND/OR CONDUIT

LEGEND

- ☒ EXISTING LIGHTING CONTROL CABINET
- EXISTING CIRCUITRY
- ☼ EXISTING LIGHTING UNIT



Pole located on
north side of
Evergreen.



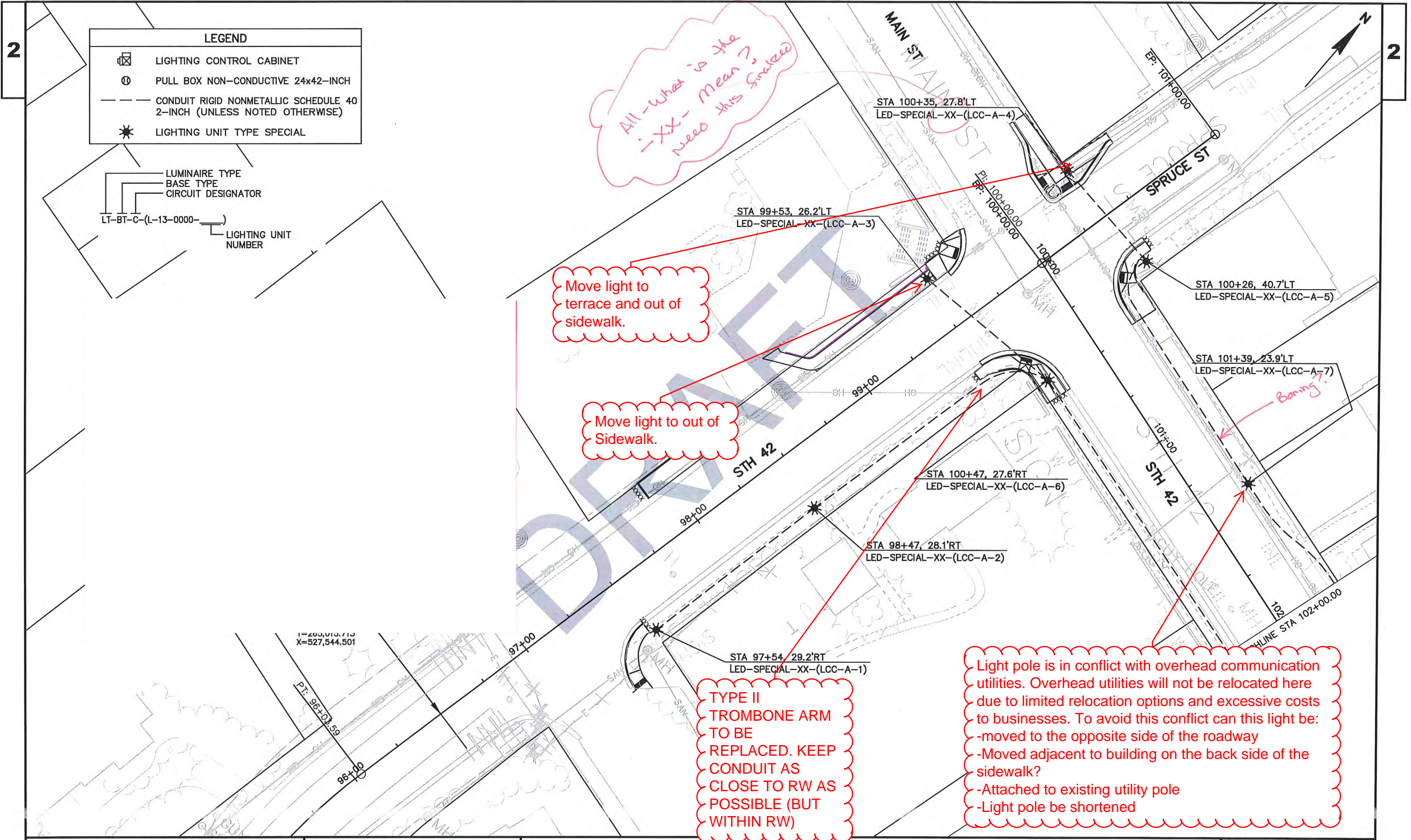
Pole located on
north side of
Evergreen.

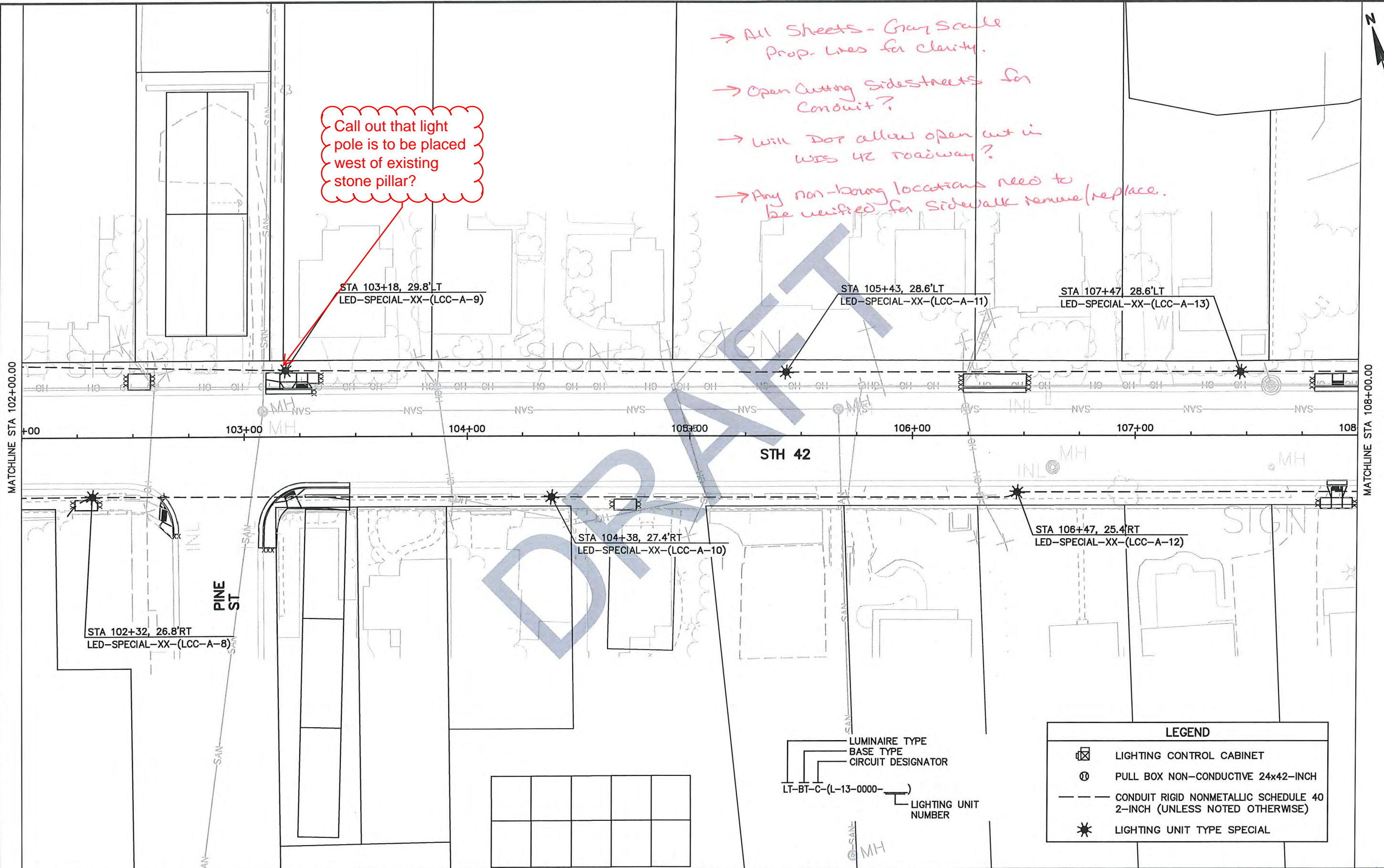
GENERAL NOTES: LIGHTING

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

LEGEND

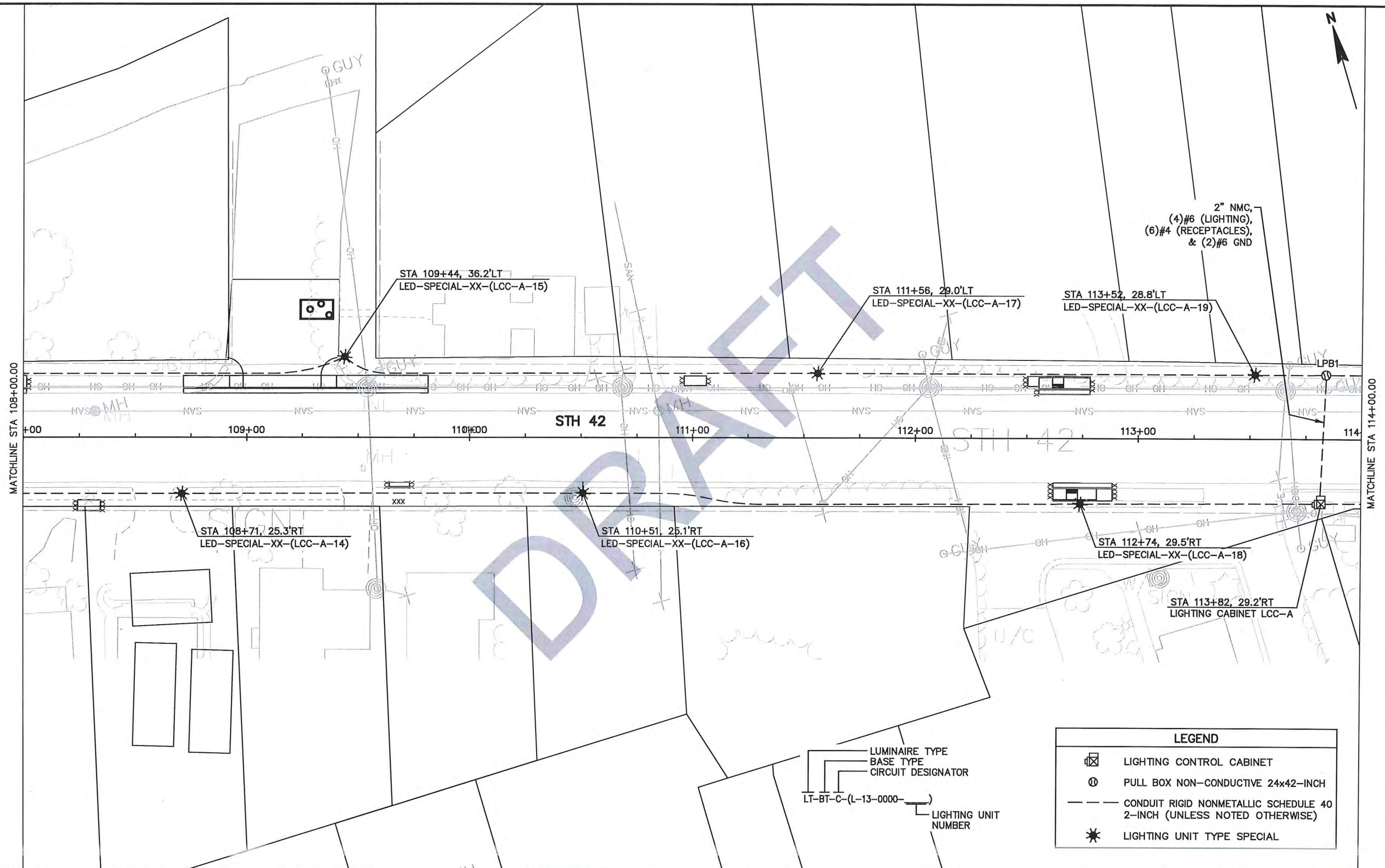
- ☒ EXISTING LIGHTING CONTROL CABINET
- EXISTING CIRCUITRY
- ☼ EXISTING LIGHTING UNIT





2

2



PROJECT NO:4140-19-71

HWY:STH 42

COUNTY:DOOR

PLAN DETAILS

SHEET

PRE 152 E

FILE NAME : \\SP3020-1\PROJECTS\FJ\G\GIBRA\139954\5-FINAL-DSGN\51-DRAWINGS\139954_LTI.DWG
LAYOUT NAME - 021203-PD

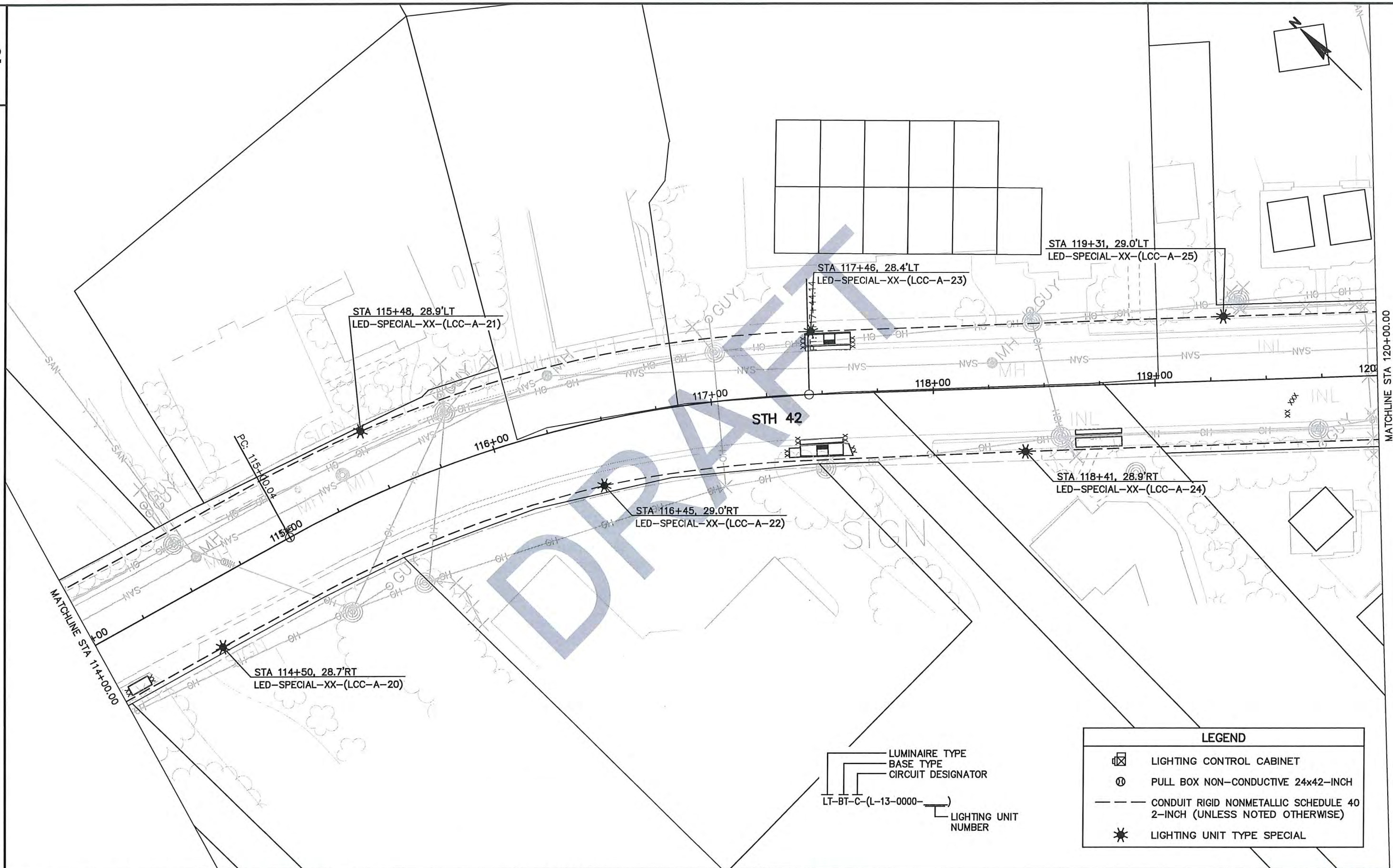
PLOT DATE : 1/31/2018 10:56 AM

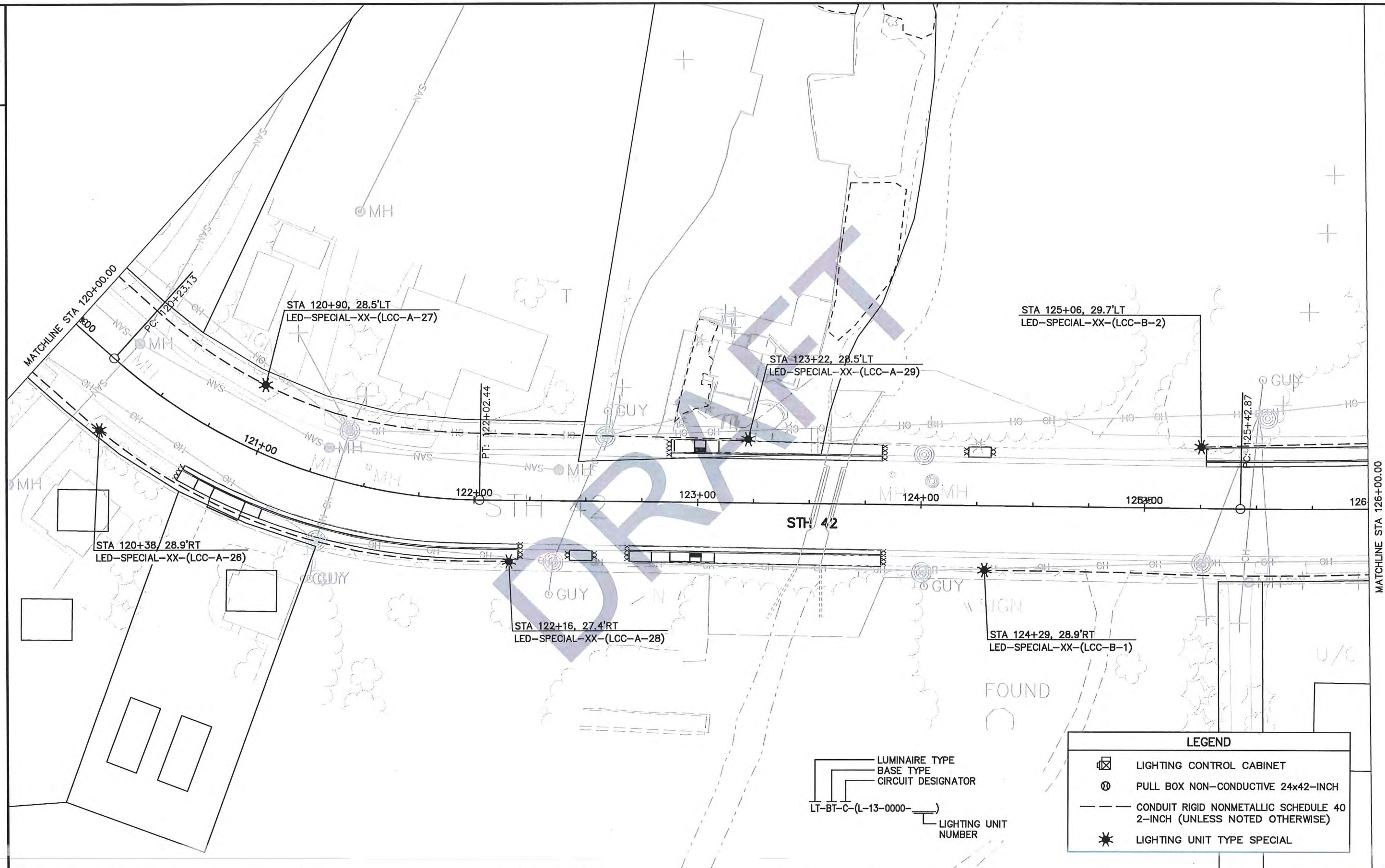
PLOT BY : ANDREW FELBER

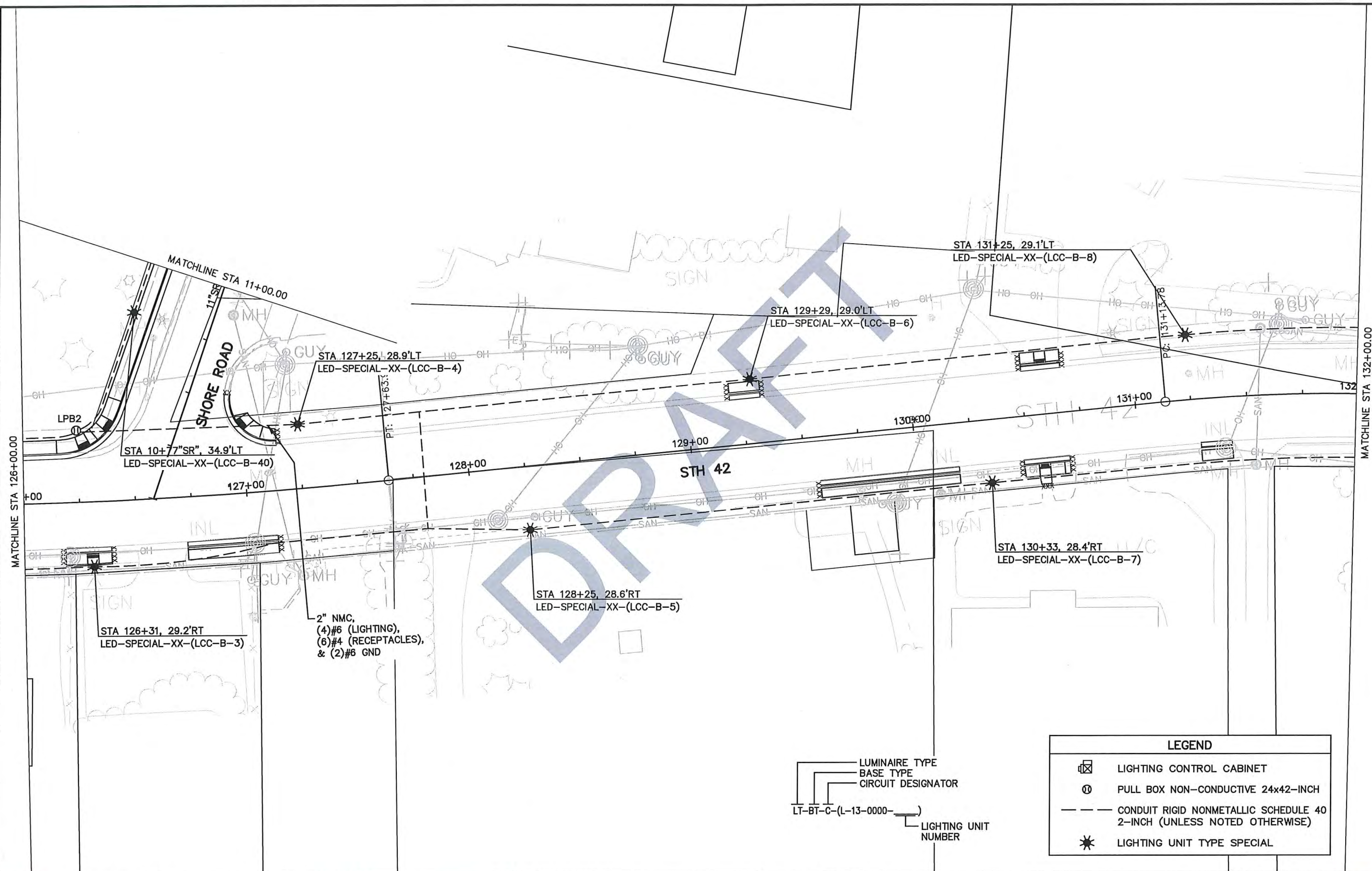
PLOT NAME :

PLOT SCALE : 1 IN:40 FT

WISDOT/CADDs SHEET 42







2

2

SPV.0060.08 Rigid
Forms for Concrete
Bases Type
Special : place
forms prior to
backfilling straps for
retaining wall.

STA 133+44, 28.8'LT
LED-SPECIAL-XX-(LCC-B-10)

STA 134+32, 30.7'LT
LIGHTING CABINET LCC-B

STA 135+51, 24.5'LT
LED-SPECIAL-XX-(LCC-B-12)

STA 137+84, 24.5'LT
LED-SPECIAL-XX-(LCC-B-14)

STH 42

STA 132+40, 28.1'RT
LED-SPECIAL-XX-(LCC-B-9)

2" NMC,
(4)#6 (LIGHTING),
(6)#4 (RECEPTACLES),
& (2)#6 GND

STA 134+51, 29.1'RT
LED-SPECIAL-XX-(LCC-B-11)





STA 136+55, 24.5'RT
LED-SPECIAL-XX-(LCC-B-13)

SPV.0060.08 Rigid
Forms for Concrete
Bases Type
Special : place
forms prior to
backfilling straps for
retaining wall.

LUMINAIRE TYPE
BASE TYPE
CIRCUIT DESIGNATOR

LT-BT-C-(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)
-  LIGHTING UNIT TYPE SPECIAL

PROJECT NO:4140-19-71

HWY:STH 42

COUNTY:DOOR

PLAN DETAILS

SHEET

PRE 156 E

FILE NAME : \\SP3020-1\PROJECTS\FJ\G\GIBRA\139954\5-FINAL-DSGN\51-DRAWINGS\139954_LT1.DWG
LAYOUT NAME - 021207-PD

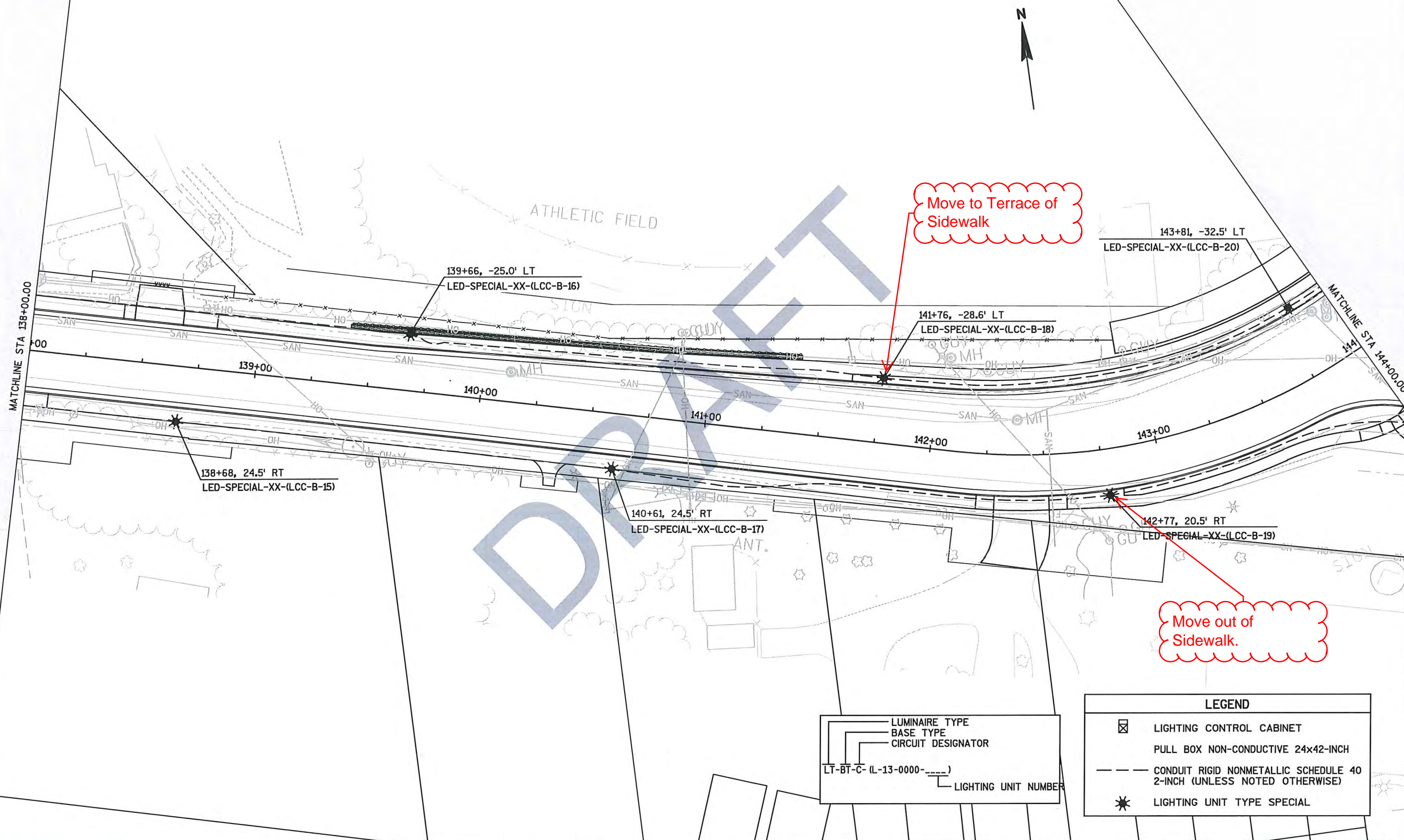
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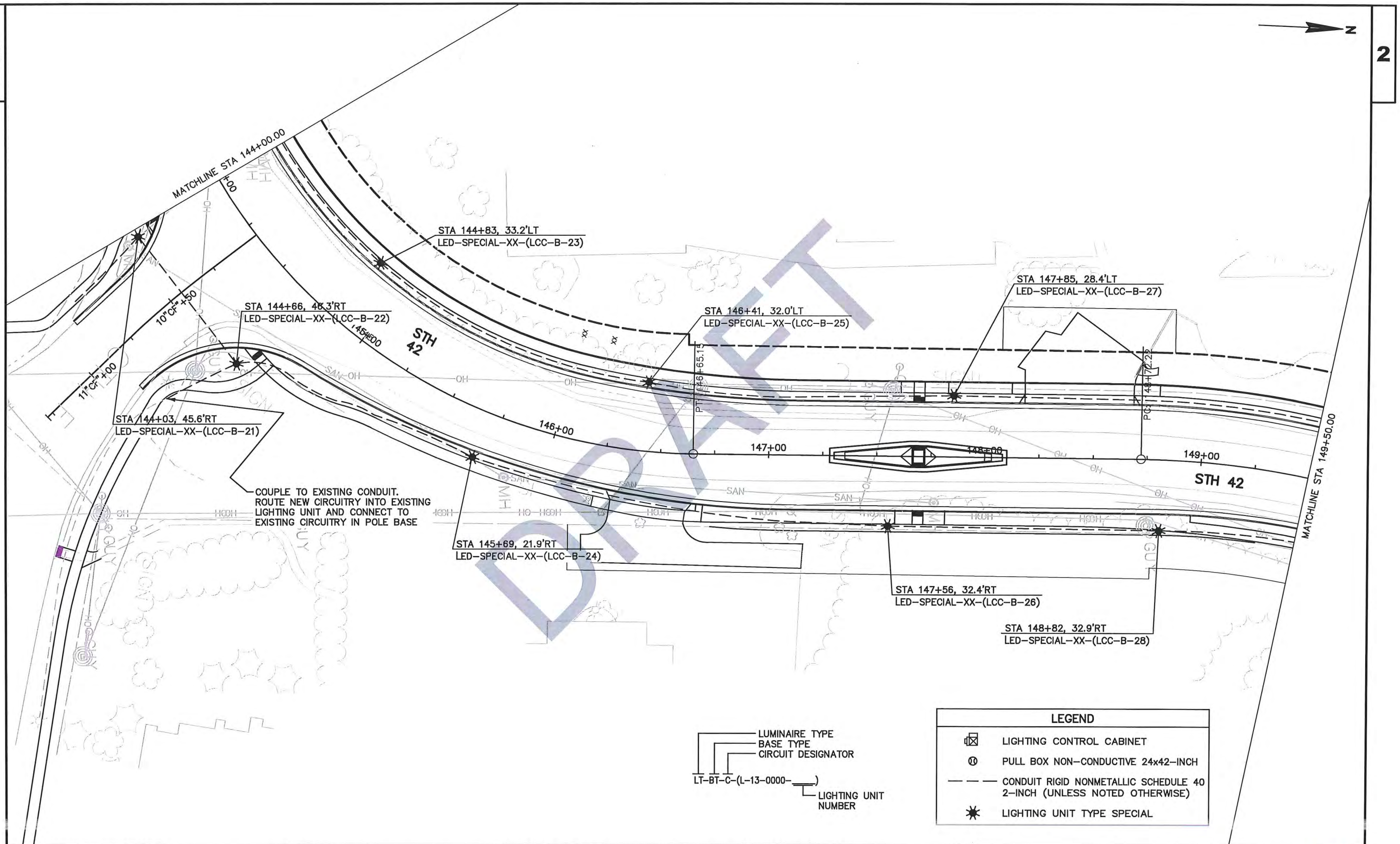
PLOT BY : ANDREW FELBER

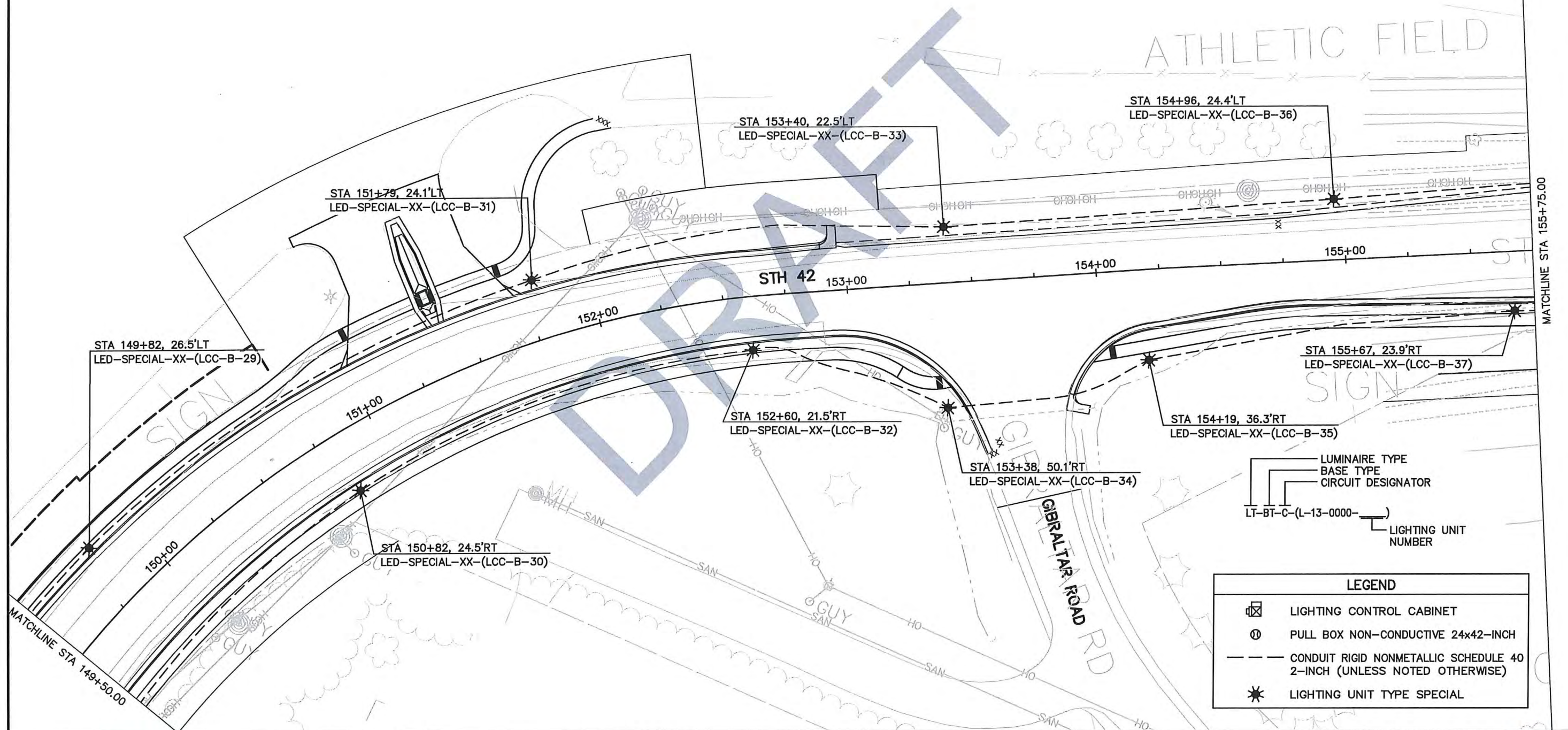
PLOT NAME :

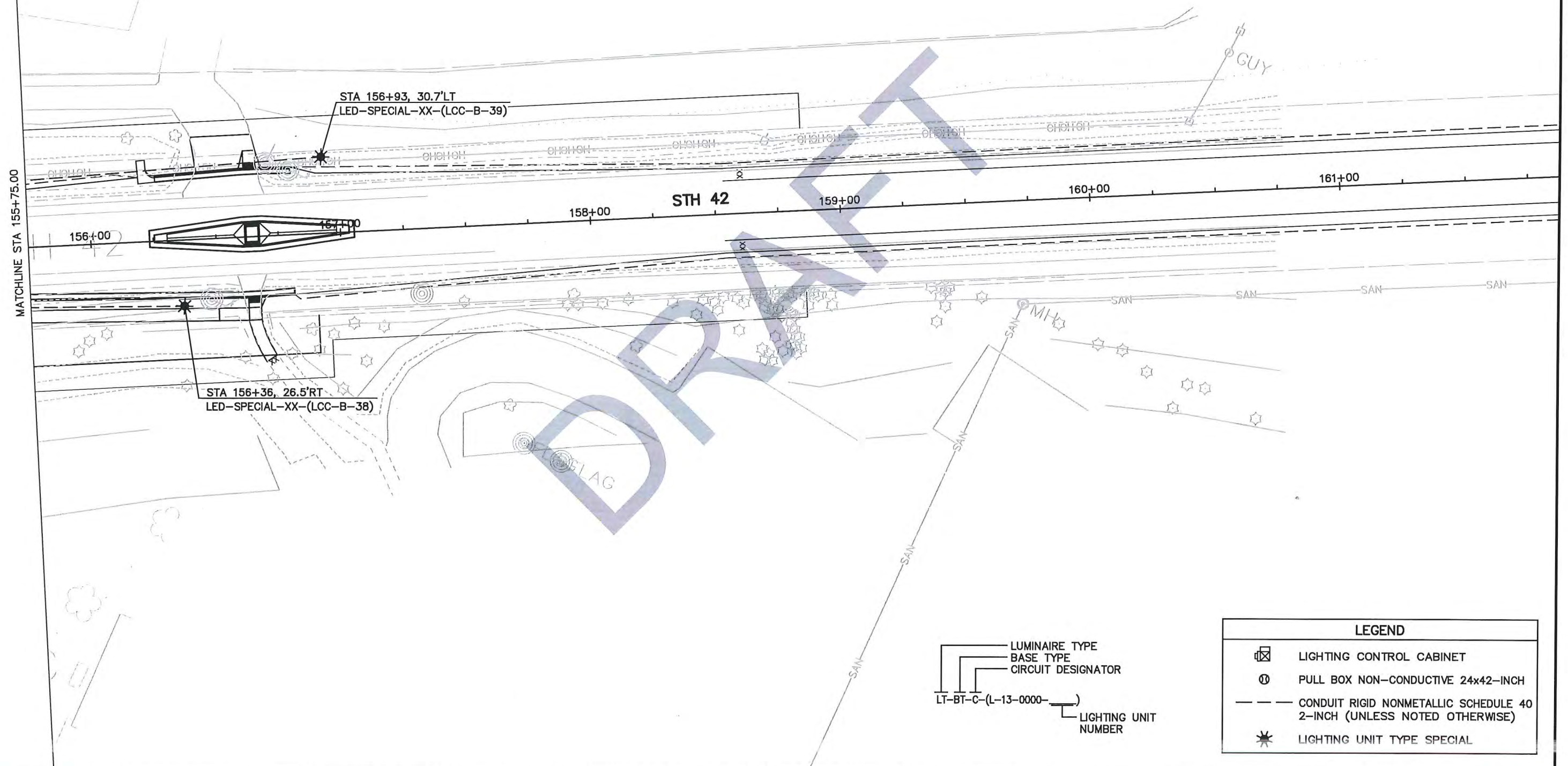
PLOT SCALE : 1 IN:40 FT

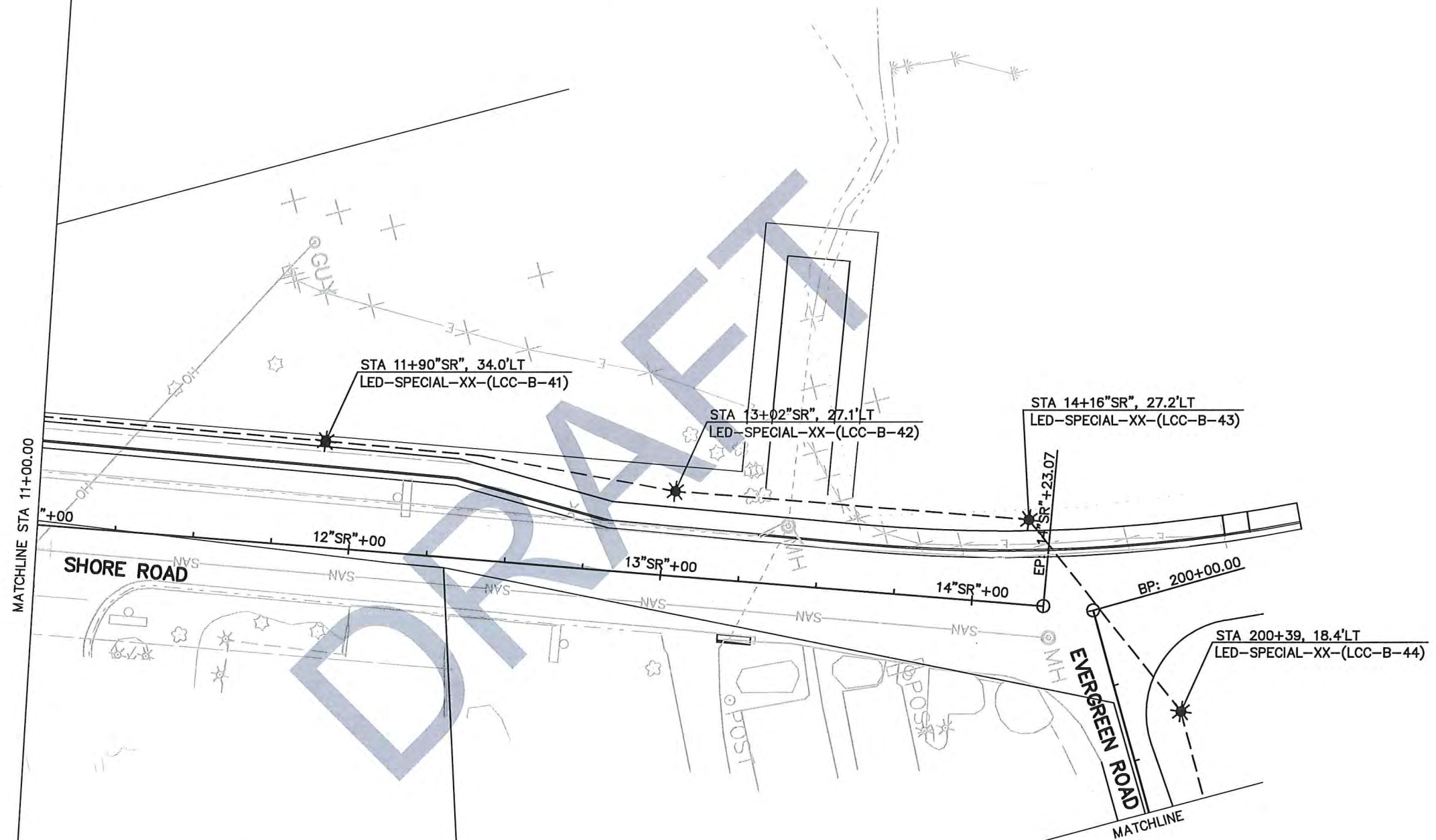
WISDOT/CADDs SHEET 42











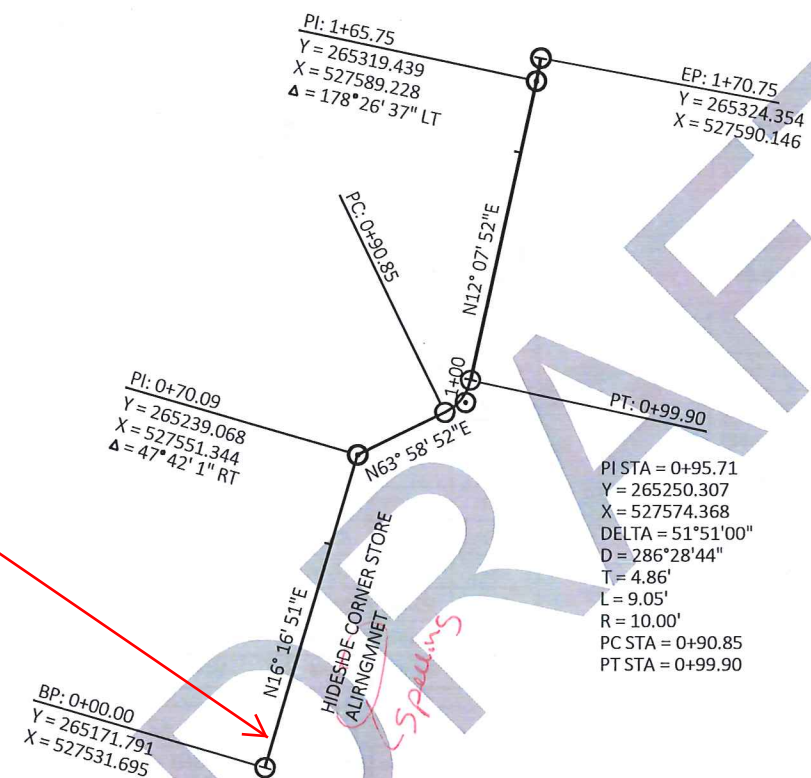
LUMINAIRE TYPE
 BASE TYPE
 CIRCUIT DESIGNATOR
 LT-BT-C-(L-13-0000-)
 LIGHTING UNIT
 NUMBER

LEGEND

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



Add alignment description to stationing. Update typical sections, plans, and cross sections to match. Suggested description: "SH"



PI STA = 0+19.28
Y = 264281.242
X = 531864.591
DELTA = 41°18'07"
D = 190°59'09"
T = 5.65'
L = 10.81'
R = 15.00'
PC STA = 0+13.63
PT STA = 0+24.44

PI STA = 0+50.90
Y = 264249.141
X = 531863.713
DELTA = 63°59'21"
D = 572°57'28"
T = 3.12'
L = 5.58'
R = 5.00'
PC STA = 0+47.77

Add alignment description to
stationing. Update Typical
Sections, plans, and cross sections
to match. Suggested description:
"SP"

PI STA = 0+02.25
Y = 264328.058
X = 531897.516
DELTA = 12°50'57"
D = 143°14'22"
T = 2.25'
L = 4.49'
R = 20.00'
PC STA = 0+00.00
PT STA = 0+04.49

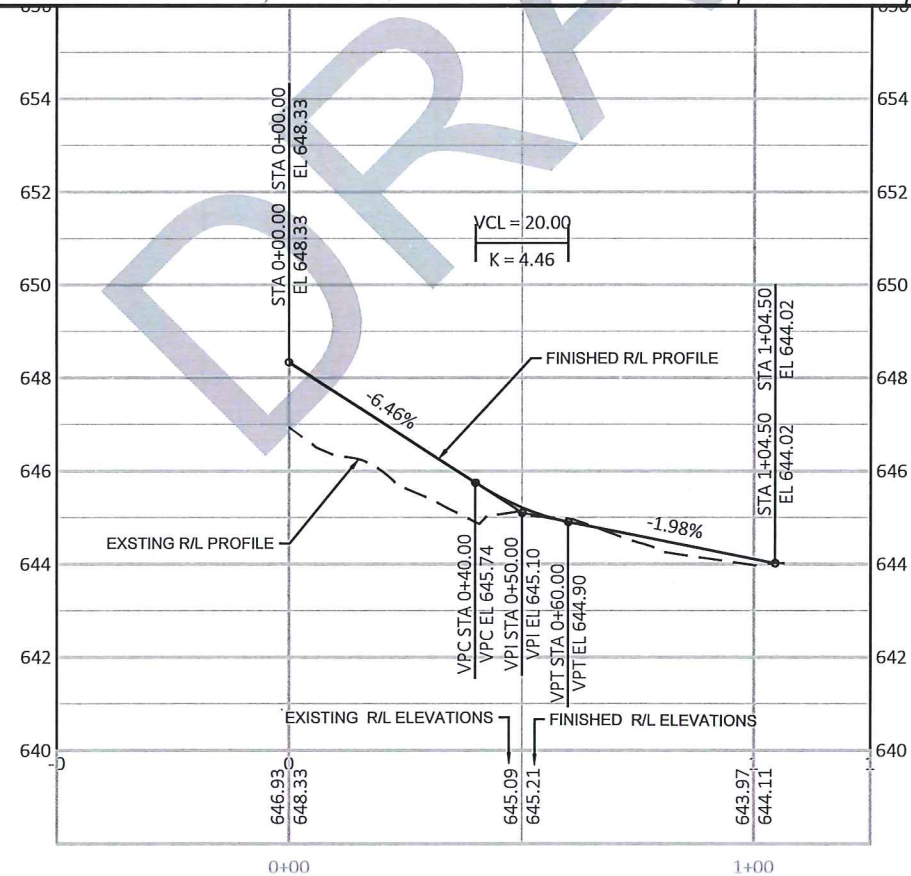
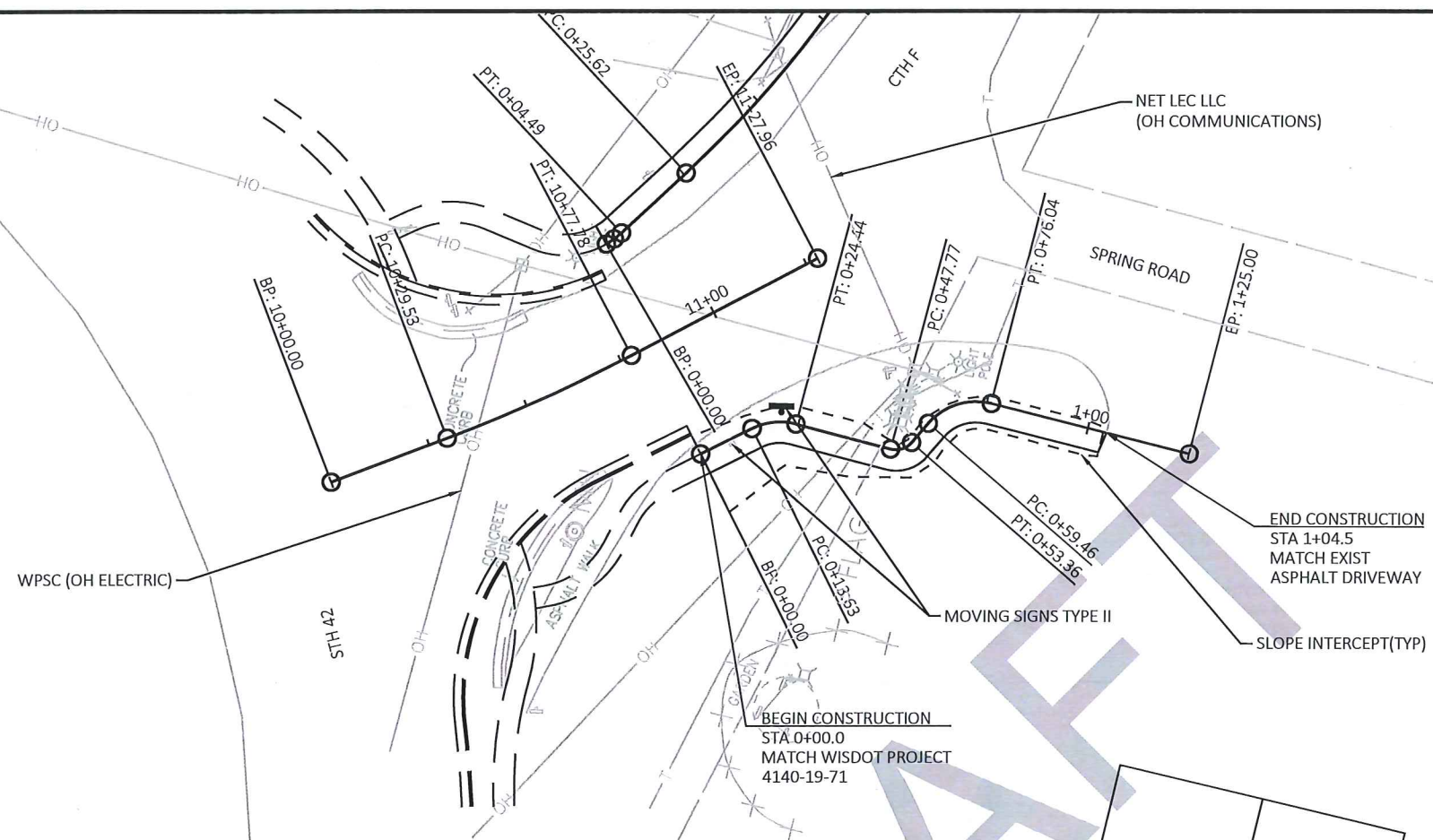
PI STA = 0+75.25
Y = 264287.452
X = 531958.195
DELTA = 21°36'43"
D = 11°01'06"
T = 49.63'
L = 98.07'
R = 260.00'
PC STA = 0+25.62
PT STA = 1+23.69

PI STA = 0+68.71
Y = 264240.588
X = 531880.089
DELTA = 63°20'30"
D = 190°59'09"
T = 9.25'
L = 16.58'
R = 15.00'
PC STA = 0+59.46
PT STA = 0+76.04

EP: 1+25.00
Y = 264182.382
X = 531879.155

Add alignment description to
stationing. Update typical sections,
plans, and cross sections to match.
Suggested description: "SF"

N



PROJECT NO: 4140-19-71

HWY: STH 42

COUNTY: DOOR

PLAN AND PROFILE: SPRING ROAD

SHEET

PRE 254 E

FILE NAME: P:\U\W\WIDOT\COMMON\STAUFFER\12345678\SHEETS\PLAN\050102 PP.DWG
LAYOUT NAME - 3

PLOT DATE: 1/18/2018 2:06 PM

PLOT BY: ANNIE JEROME

PLOT NAME:

PLOT SCALE: 1 IN=40 FT

WISDOT/CADD SHEET 44