

GENERAL NOTES - LIGHTING

- REFER TO DRAWING SIL-001 FOR LIGHTING FIXTURE SCHEDULE.
- REFER TO DRAWING SIL-001 FOR DESCRIPTIONS OF SYMBOLS, ABBREVIATIONS AND NOTES.
- COMBINE CIRCUITS IN CONDUITS TO LIMIT TOTAL NUMBER OF CONDUITS. DERATE WIRING PER NEC ADJUSTMENT FACTORS.
- PULLBOXES, JUNCTION BOXES AND ENCLOSURES SHALL BE NEMA 4X(STAINLESS STEEL WITH CONTINUOUS NEOPRENE GASKET AND STAINLESS STEEL HARDWARE).
- BRANCH CIRCUIT WIRING IS SHOWN DIAGRAMMATIC. ROUTE CONDUIT IN INCONSPICUOUS LOCATIONS IN NEAT ORDERLY MANNER.
- ALL EXPOSED AND UNDERGROUND CONDUITS SHALL BE SCHEDULE 80 PVC UNLESS NOTED OTHERWISE.
- FOR POLE-MOUNTED SITE LIGHTING FIXTURES, WIRE 2#10, #10G FROM J-BOX IN POLE BASE TO FIXTURE.
- REFER TO STAGING DWGS. ALL PHASES WHICH ARE OPEN TO THE PUBLIC PRIOR TO THE COMPLETION OF THE CONTRACT SHALL BE LIT WITH NEW PARKING LOT LIGHTING. CONTRACTOR TO COORDINATE ELECTRICAL WORK, UTILITY SERVICE, AND TEMPORARY POWER AS NECESSARY.
- ALL ELECTRICAL WORK INCLUDING TRENCHING SHALL BE PAID UNDER THE MAJOR LUMP SUM ITEM "RAIL FACILITY UPGRADE".
- CL+P TO RELOCATE UTILITY POLES THROUGH PARKING AREA.
- LIGHTING POLES TO BE COORDINATED WITH VIDEO CAMERA INSTALLATIONS. SEE SHEET FAS-601.

KEY NOTES

- SEE A/SIL-004 FOR MOUNTING DETAILS
- SEE B/SIL-004 FOR MOUNTING DETAILS
- SEE C/SIL-004 FOR MOUNTING DETAILS
- SEE G/SIL-003 FOR MOUNTING DETAILS

SITE LIGHTING FEEDER SCHEDULE

CIRCUIT SYMBOL	CIRCUIT NUMBER	CONDUCTORS (1PH, 2W) WITH GROUND	CONDUIT SIZE
1A	7	2#10 & 1#10G (CIRC. 7)	1-1/2"
2A	9	2#10 & 1#10G (CIRC. 9)	1-1/2"
3A	7,9	4#10 & 1#10G (CIRC. 7&9)	1-1/2"

NOTES:
1.SEE SIL-004 FOR TRENCH DETAILS

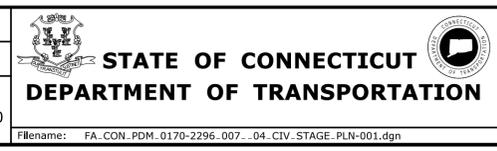
LIGHT POLE LOCATIONS

LOCATION	NORTHING	EASTING	LOCATION	NORTHING	EASTING
B11	792290.568	995970.279	C14	792430.223	995920.522
B12	792362.144	995951.956	C15	792521.416	995928.731
B13	792402.865	995946.089	C19	792275.550	995830.566
B22	791879.914	995697.982	C20	792310.003	995851.816
B23	791975.641	995748.852	C21	792354.426	995879.190
B24	792017.540	995682.882	C25	792061.369	995698.414
B30	791923.736	995565.545	C26	792078.426	995793.484
B31	791983.435	995604.435	C27	792195.513	995826.133
B32	792045.070	995644.803	C28	792169.696	995769.072
B33	792179.041	995705.396	C29	792116.732	995734.330
B34	792248.093	995747.764	D16	792424.847	995892.671
C1	791833.348	995769.854	D17	792404.367	995880.728
C2	791960.327	995851.368	D18	792383.781	995870.797
C3	791944.470	995791.907	D35	792262.666	995792.105
C4	791982.529	995820.084	D36	792283.096	995804.699
C5	792039.684	995855.952	D37	792303.833	995816.797
C6	792093.962	995890.847	D38	792324.264	995829.391
C7	792144.821	995922.676	D39	792344.385	995842.480
C8	792158.193	995972.318	D40	792364.796	995855.063
C9	792206.552	995916.250			
C10	792272.850	995921.598			

NOTE: FINAL LOCATIONS OF LIGHT POLES TO BE VERIFIED BY ENGINEER IN THE FIELD.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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DESIGNER/DRAFTER:
MD/MB
CHECKED BY:
RG
SCALE IN FEET
0 40 80
SCALE 1"=40'

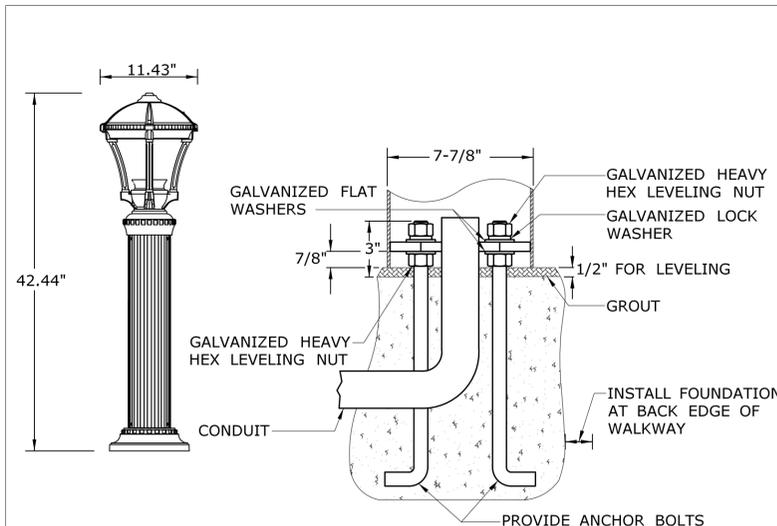


SIGNATURE/BLOCK:
VN ENGINEERS, INC
116 WASHINGTON AVE
N. HAVEN, CT 06473
(203) 234-7862

PROJECT TITLE:
**NEW HAVEN-HARTFORD
SPRINGFIELD
RAIL CORRIDOR**

TOWN:
BERLIN
DRAWING TITLE:
SITE ILLUMINATION PLAN

PROJECT NO.
170-3155
DRAWING NO.
SIL-002
SHEET NO.
01.06.003



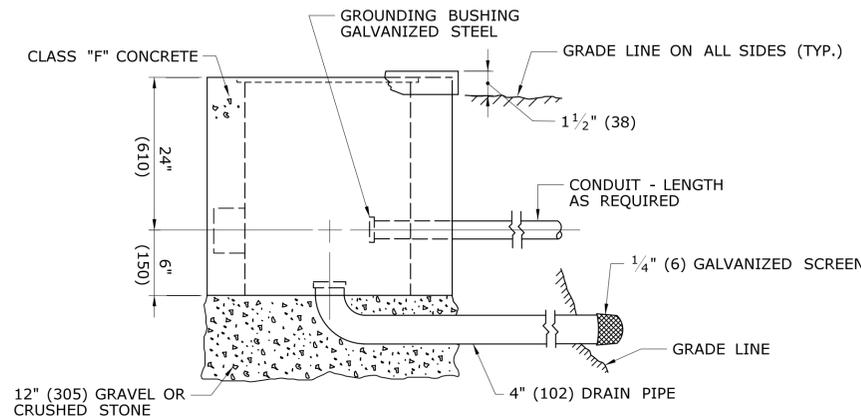
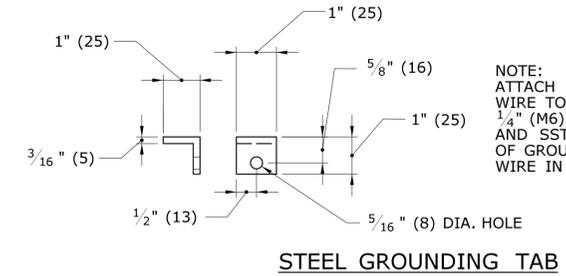
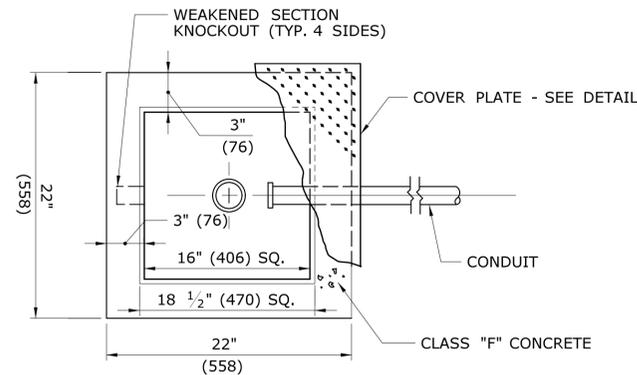
LUMINAIRE REQUIREMENTS

1. FIXTURE SHALL BE CONSTRUCTED OF DIE-CAST ALUMINUM WITH POWDER COAT FINISH TO BE COORDINATED WITH ARCHITECTURAL.
2. FIXTURE SHALL HAVE CLEAR HIGH IMPACT ACRYLIC LENS WITH DIE-CAST LOUVERS.
3. FIXTURE SHALL HAVE A HIGH POWER FACTOR ($\geq .98$) BALLAST WITH COLD WEATHER OPERATION AT TEMPERATURES DOWN TO ZERO DEGREE FAHRENHEIT.
4. FIXTURE SHALL BE UL LISTED FOR WET LOCATIONS.
5. PROVIDE FIXTURES WITH INTEGRAL BATTERY BACKUP WHERE INDICATED.

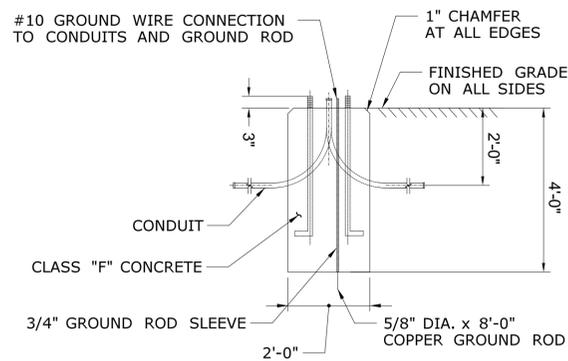
DETAIL BASED ON HUBBELL PROVIDENCE SERIES OR APPROVED EQUAL

TYPE	LAMP #	LAMP TYPE	INPUT WATTS	VOLTS	MOUNTING
D	1	37W LED	37	277	SURFACE, GROUND

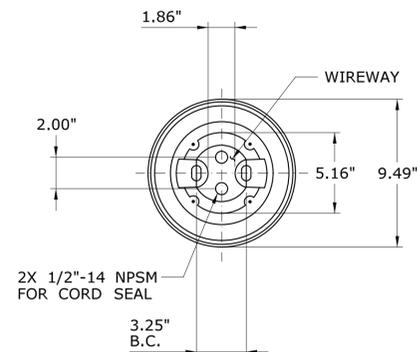
G
EXTERIOR BOLLARD
I-100



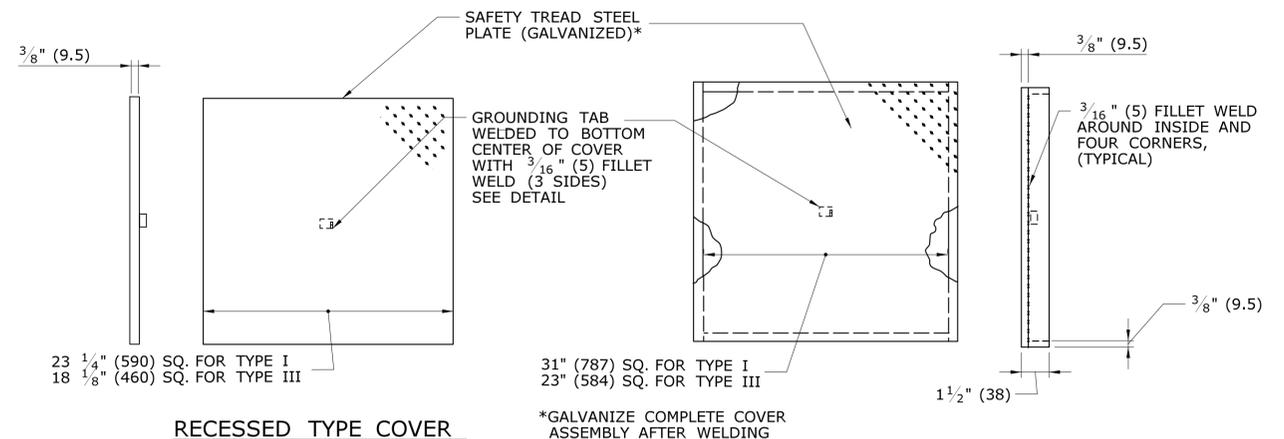
CONCRETE HANDHOLE - TYPE III



EXTERIOR BOLLARD FOUNDATION



EXTERIOR BOLLARD BOLT CIRCLE



RECESSED TYPE COVER

RECESSED COVER TO BE USED IN MEDIAN, IN PAVEMENT, IN SIDEWALK, OR WHERE INDICATED ON PLANS.

OVERLAP TYPE COVER

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DESIGNER/DRAFTER:
MD/MB
CHECKED BY:
RG
NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: FA_CON_PDM_0170-2296_007_04_CIV_STAGE_PLN-001.dgn

SIGNATURE/BLOCK:
JOHN W. HIRT
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF CONNECTICUT
 LICENSE NO. 10000
 CIVIL ENGINEER

PROJECT TITLE:
NEW HAVEN - HARTFORD
SPRINGFIELD
RAIL CORRIDOR

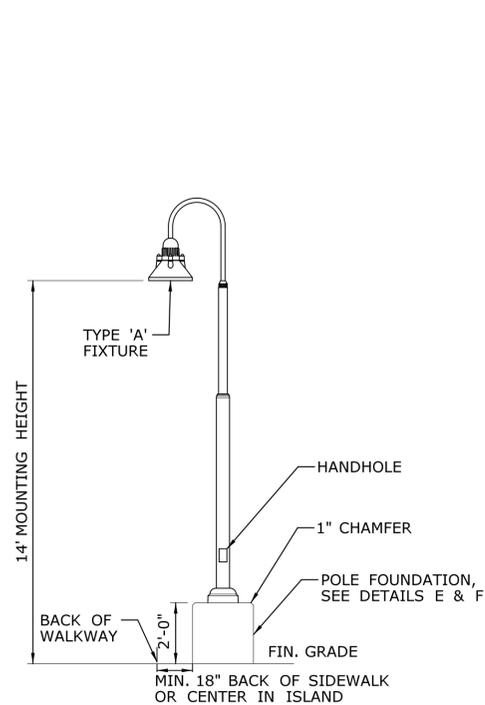
TOWN:
BERLIN

DRAWING TITLE:
ILLUMINATION DETAILS

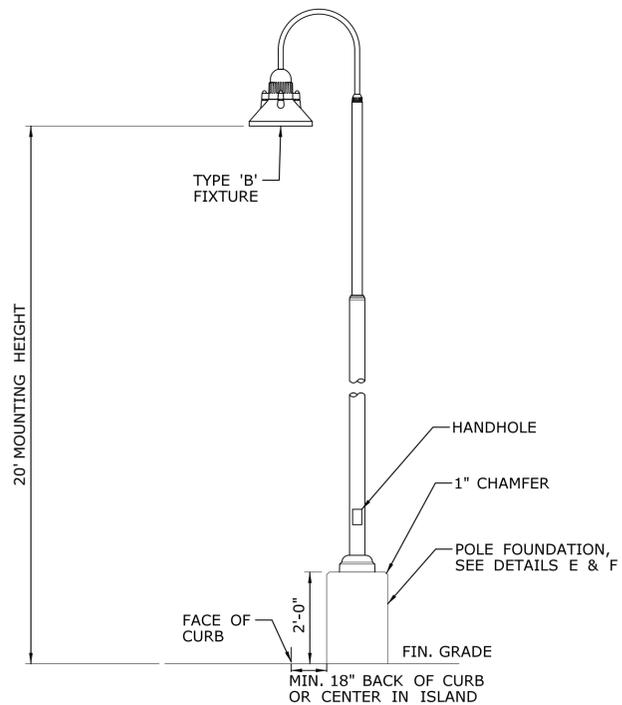
PROJECT NO.
170-3155

DRAWING NO.
SIL-003

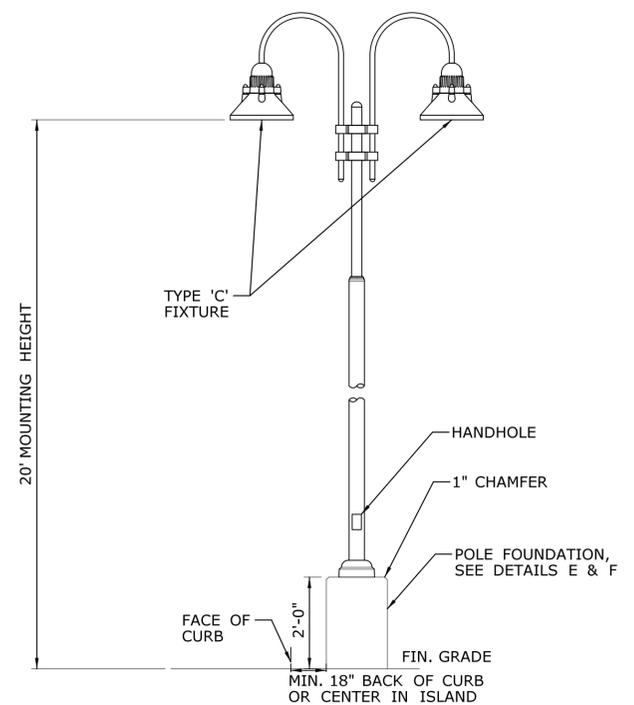
SHEET NO.
01.06.004



A WALKWAY LIGHT POLE
I-100



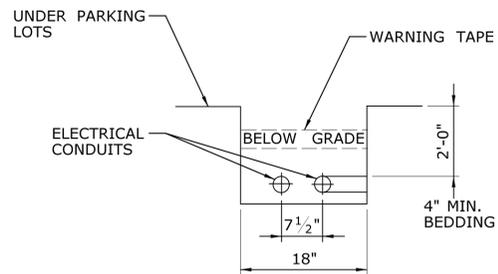
B PARKING LOT LIGHT POLE
I-100



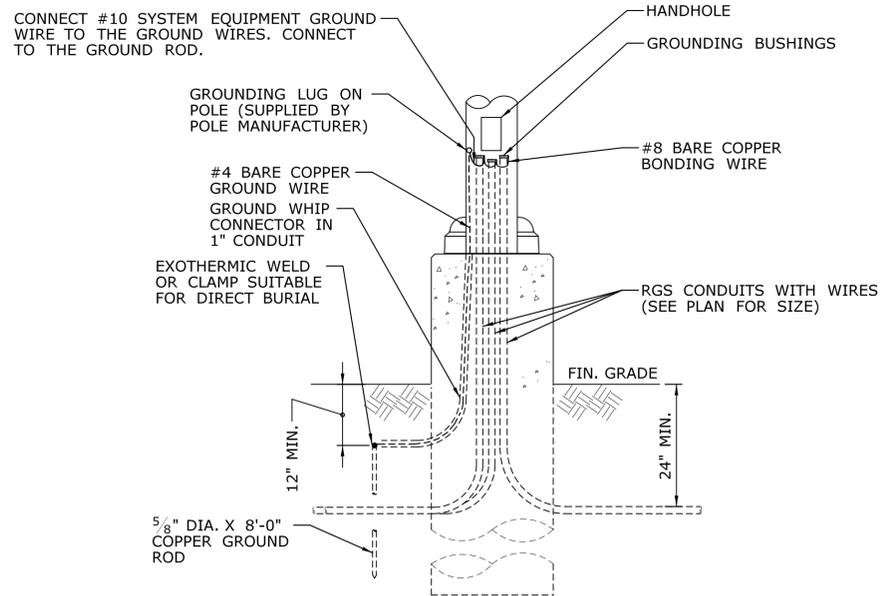
C PARKING LOT LIGHT POLE
I-100

NOTE: WARNING TAPE SHALL BE CONTINUOUS "RED" TAPE PRINTED TO READ AS FOLLOWS

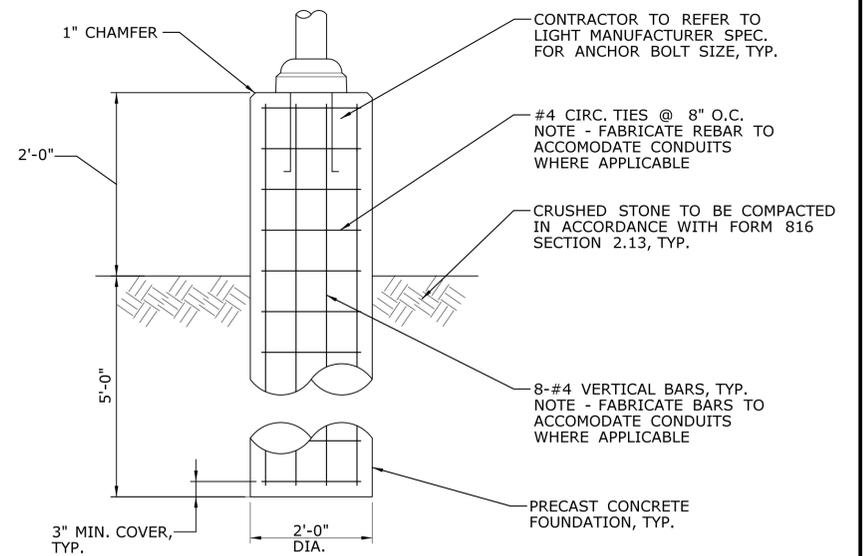
**BURIED ELECTRIC CABLES BELOW
-480/277 VOLT FEEDERS -**
 (FOR LOW VOLTAGE DUCTBANKS PROPER VOLTAGE SHALL BE INDICATED)
 WITH WARNING MESH BELOW WARNING TAPE (LINE MARKER)



D TRENCH DETAIL
I-100



E POLE WIRING & GROUNDING
I-100



F POLE FOUNDATION
I-100

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STATE OF CONNECTICUT
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Filename: FA_CON_PDM_0170-2295_007_04_CIV_STAGE_PLN-001.dgn

SIGNATURE/BLOCK:

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 116 WASHINGTON AVE
 NEW HAVEN, CT 06473
 (203) 234-7862

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