

LIGHT POLE LOCATIONS

LOCATION	NORTHING	EASTING
A20	728404.233	979870.695
A21	728444.893	979887.832
B1	728113.517	980057.026
B2	728176.872	980083.038
B3	728234.335	980107.740
B4	728281.236	980127.706
B8	728322.256	980093.314
B9	728353.989	980018.792
B11	728381.866	979940.291
B13	728085.047	979991.244
B14	728113.383	979925.533
B15	728153.865	979847.932
B17	728252.053	979813.919
B19	728346.430	979857.547
C5	728147.978	980017.288
C6	728204.036	980041.415
C7	728260.103	980065.526
C10	728239.368	979959.224
C12	728336.734	979915.363
C16	728209.010	979868.686
C18	728275.681	979874.728

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

NORTH COLONY STREET (U.S. 5)

TO BE RELOCATED BY WALLINGFORD ELECTRIC

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".
- LIGHTING POLES TO BE COORDINATED WITH VIDEO CAMERA INSTALLATIONS. SEE SHEET FAS-601.

SITE LIGHTING FEEDER SCHEDULE

CIRCUIT SYMBOL	CIRCUIT NUMBER	CONDUCTORS (1 PH, 2W) WITH GROUND	CONDUIT SIZE
1A	E 7	2#10 & 1#10G (CIRC. 7)	1-1/2"
2A	E 9	2#10 & 1#10G (CIRC. 9)	1-1/2"
3A	E 7,9	4#10 & 1#10G (CIRC. 7 & 9)	1-1/2"
1B	W 7	2#10 & 1#12G (CIRC. 7)	1-1/2"
2B	11	2#10 & 1#12G (CIRC. 11)	1-1/2"

NOTES:
1. SEE SIL-005 FOR TRENCH DETAILS

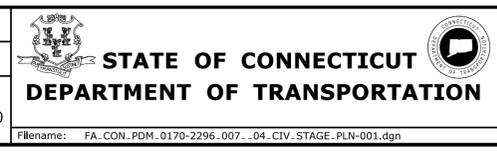
KEY NOTES

- SEE A/SIL-005 FOR MOUNTING DETAILS
- SEE B/SIL-005 FOR MOUNTING DETAILS
- SEE C/SIL-005 FOR MOUNTING DETAILS

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted Date: 1/27/2014

DESIGNER/DRAFTER:
MD/MB
CHECKED BY:
RG
SCALE IN FEET
0 40 80
SCALE 1"=40'

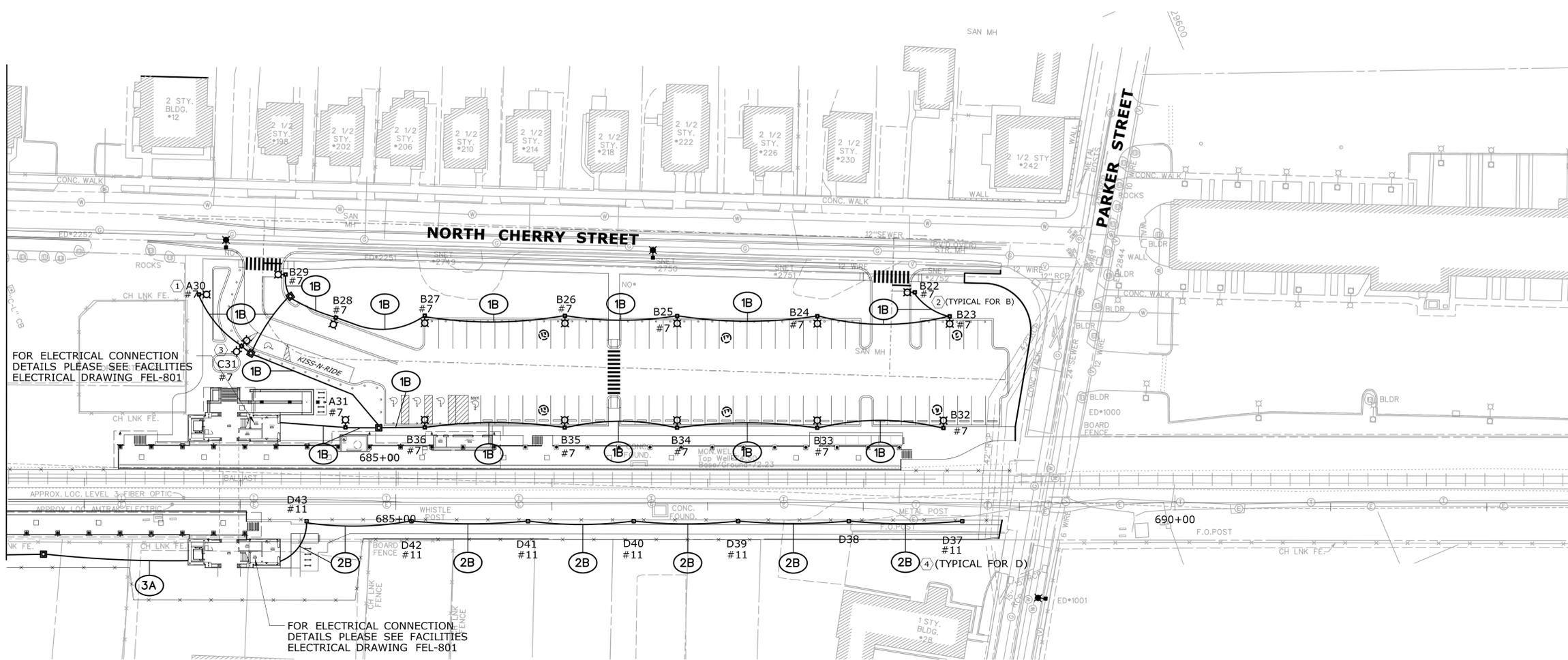


SIGNATURE/BLOCK:
VN ENGINEERS, INC
116 WASHINGTON AVE
N. HAVEN, CT 06473
(203) 234-7862

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

TOWN:
WALLINGFORD
DRAWING TITLE:
SITE ILLUMINATION PLAN

PROJECT NO.
170-3155
DRAWING NO.
SIL-002
SHEET NO.
06.04.003



FOR ELECTRICAL CONNECTION DETAILS PLEASE SEE FACILITIES ELECTRICAL DRAWING FEL-801

FOR ELECTRICAL CONNECTION DETAILS PLEASE SEE FACILITIES ELECTRICAL DRAWING FEL-801

LIGHT POLE LOCATIONS

LOCATION	NORTHING	EASTING
A30	728956.960	979938.493
A31	729010.507	980053.382
B22	729380.778	980115.644
B23	729395.454	980138.495
B24	729317.234	980105.411
B25	729234.337	980070.348
B26	729168.028	980042.302
B27	729085.138	980007.242
B28	729032.118	979986.203
B29	729013.076	979948.331
B32	729363.977	980202.824
B33	729289.372	980171.269
B34	729206.530	980136.229
B35	729140.111	980108.138
B36	729057.378	980073.136
C31	728969.270	979979.576
D37	729351.989	980262.499
D38	729284.893	980234.220
D39	729219.369	980206.604
D40	729157.625	980180.582
D41	729095.122	980154.237
D42	729026.177	980125.181
D43	728964.192	980099.057

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

GENERAL NOTES - LIGHTING

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- LIGHTING POLES TO BE COORDINATED WITH VIDEO CAMERA INSTALLATIONS. SEE SHEET FAS-601.

KEY NOTES

- SEE A/SIL-005 FOR MOUNTING DETAILS
- SEE B/SIL-005 FOR MOUNTING DETAILS
- SEE C/SIL-005 FOR MOUNTING DETAILS
- SEE G/SIL-004 FOR MOUNTING DETAILS

SITE LIGHTING FEEDER SCHEDULE

CIRCUIT SYMBOL	CIRCUIT NUMBER	CONDUCTORS (1 PH, 2W) WITH GROUND	CONDUIT SIZE
1A	E 7	2#10 & 1#10G (CIRC. 7)	1-1/2"
2A	E 9	2#10 & 1#10G (CIRC. 9)	1-1/2"
3A	E 7,9	4#10 & 1#10G (CIRC. 7 & 9)	1-1/2"
1B	W 7	2#10 & 1#12G (CIRC. 7)	1-1/2"
2B	E 11	2#10 & 1#12G (CIRC. 11)	1-1/2"

NOTES:
1.SEE SIL-005 FOR TRENCH DETAILS

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'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

File name: FA_CON_PDM_0170-2295_007_04_CIV_STAGE_PLN-001.dgn

SIGNATURE/BLOCK:
STATE OF CONNECTICUT
PROFESSIONAL ENGINEER

ROBERT G. (RG)
REGISTERED PROFESSIONAL ENGINEER
NO. 11675
CIVIL
116 WASHINGTON AVE
N. HAVEN, CT 06473
(203) 234-7862

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

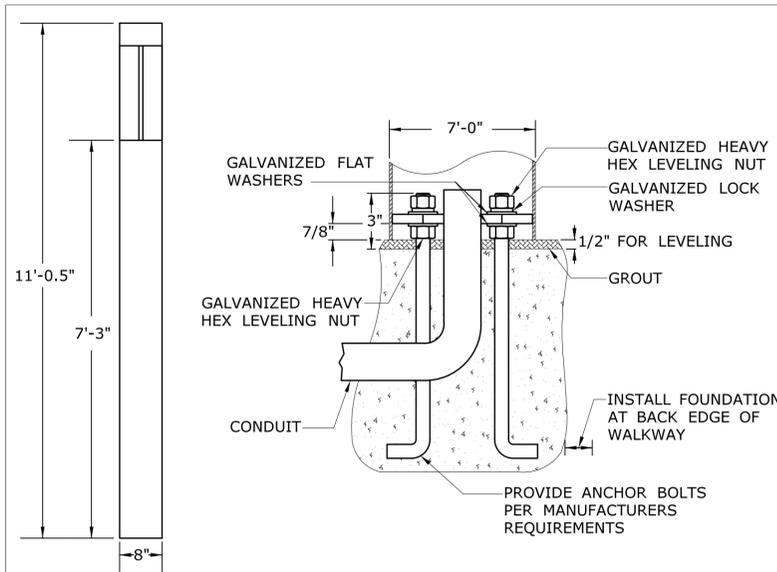
TOWN:
WALLINGFORD

DRAWING TITLE:
SITE ILLUMINATION PLAN

PROJECT NO.
170-3155

DRAWING NO.
SIL-003

SHEET NO.
06.04.004

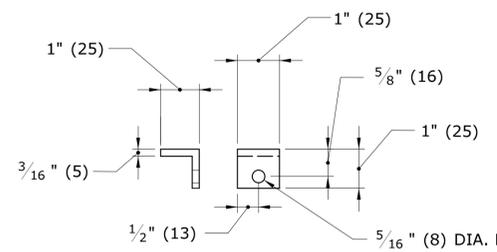
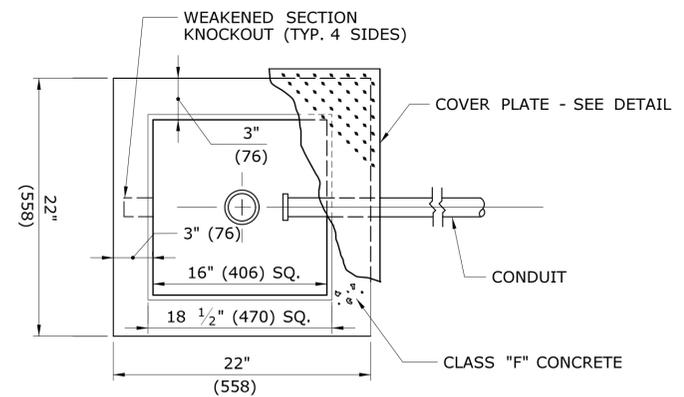


- LUMINAIRE REQUIREMENTS**
1. FIXTURE SHALL BE CONSTRUCTED OF DIE-CAST ALUMINUM WITH POWDER COAT FINISH TO BE COORDINATED WITH ARCHITECTURAL.
 2. FIXTURE SHALL BE A NEMA TYPE 5 DISTRIBUTION.
 3. FIXTURE SHALL HAVE A HIGH POWER FACTOR (> .90) BALLAST.
 4. FIXTURE SHALL BE UL LISTED FOR WET LOCATIONS.
 5. FIXTURE SHALL HAVE 180 DEGREE SHEILD INSTALLED TRACKSIDE TO LIMIT GLARE.

DETAIL BASED ON FORMS AND SURFACES LIGHT COLUMN PEDESTRIAN SERIES 600 OR APPROVED EQUAL

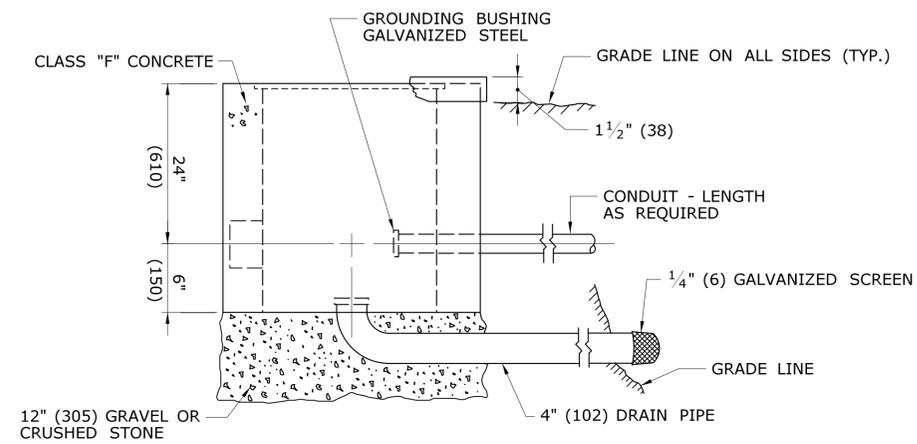
TYPE	LAMP #	LAMP TYPE	INPUT WATTS	VOLTS	MOUNTING
D	4	28W LED	112	120/277 UNIVERSAL	SURFACE, GROUND

G EXTERIOR LIGHT COLUMN
I-100

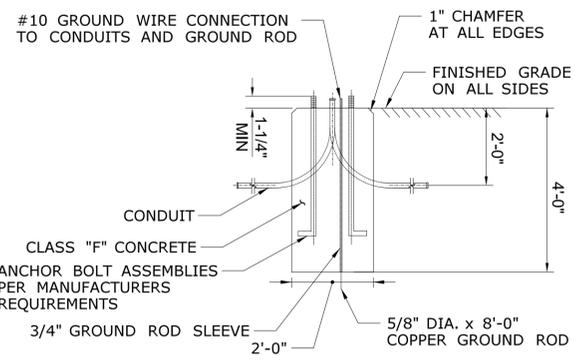


NOTE: ATTACH 72" (1830) LENGTH OF NO. 8 GROUND WIRE TO GROUNDING TAB WITH ONE HOLE LUG, 1/4" (M6) x 3/4" (20) LG. SST HEX HEAD BOLT, AND SST FLAT WASHER. ATTACH FREE END OF GROUND WIRE TO NO. 8 BARE GROUND WIRE IN HANDHOLE.

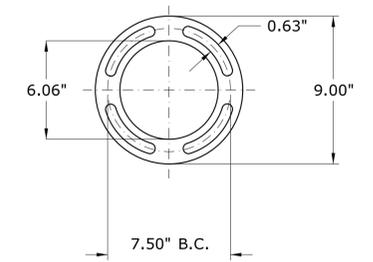
STEEL GROUNDING TAB



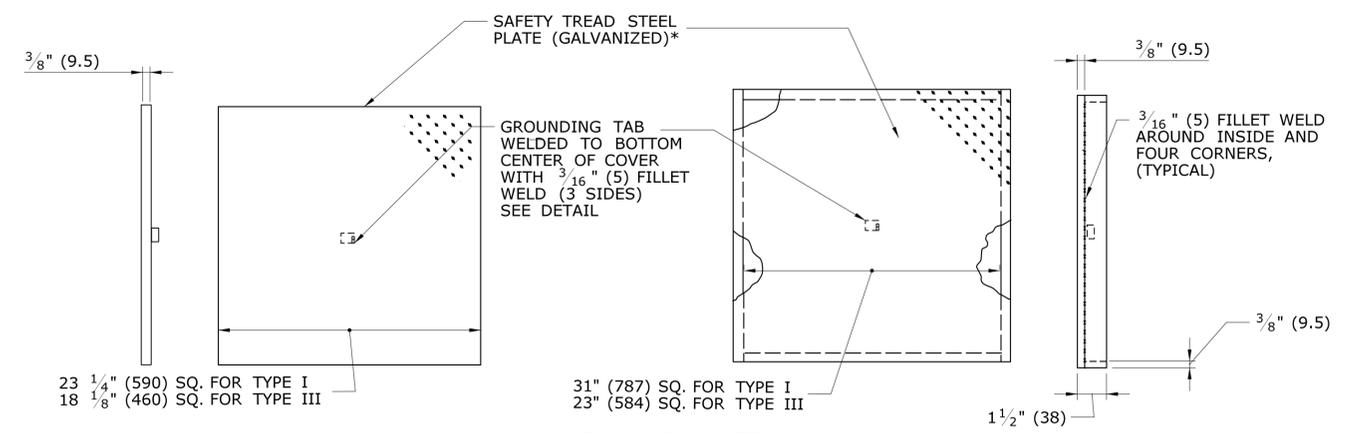
CONCRETE HANDHOLE - TYPE III



EXTERIOR LIGHT COLUMN FOUNDATION



EXTERIOR LIGHT COLUMN BOLT CIRCLE



RECESSED TYPE COVER

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

OVERLAP TYPE COVER

*GALVANIZE COMPLETE COVER ASSEMBLY AFTER WELDING

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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DESIGNER/DRAFTER: **MD/MB**
CHECKED BY: **RG**
NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Plotted Date: 1/27/2014
Filename: FA_CON_PDM_0170-2296_007_04_CIV_STAGE_PLN-001.dgn

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STATE OF CONNECTICUT
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116 WASHINGTON AVE
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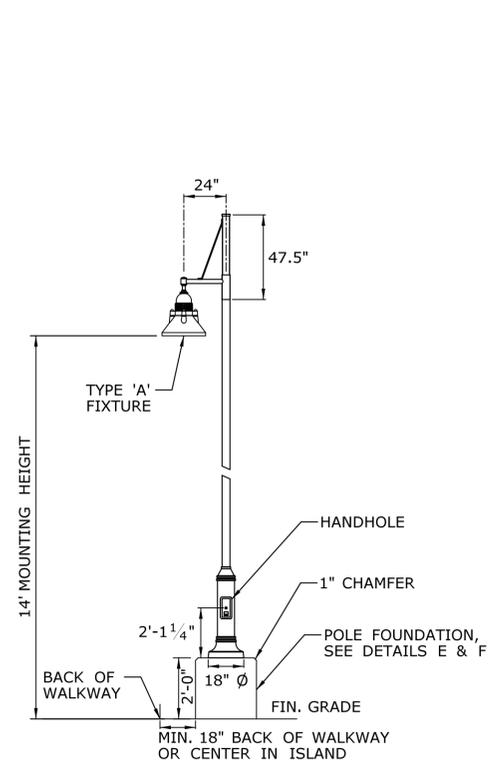
TOWN:
WALLINGFORD

DRAWING TITLE:
ILLUMINATION DETAILS

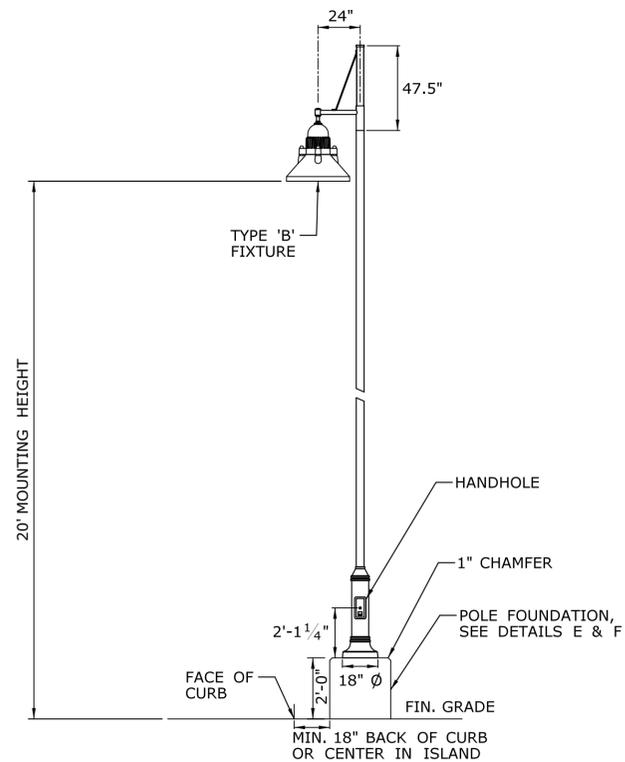
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170-3155

DRAWING NO.
SIL-004

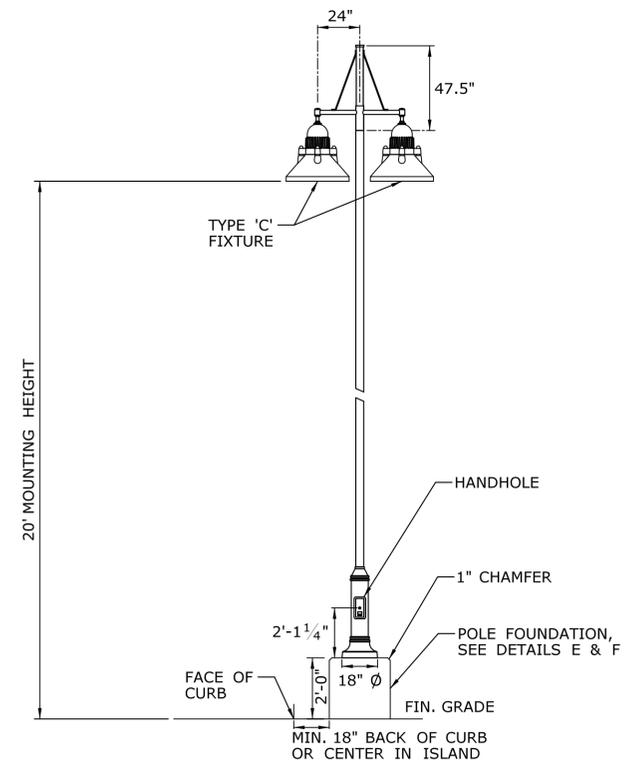
SHEET NO.
06.04.005



A WALKWAY LIGHT POLE
I-100



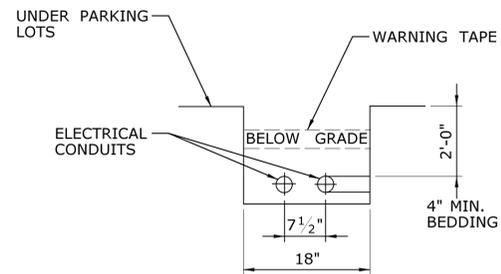
B PARKING LOT LIGHT POLE
I-100



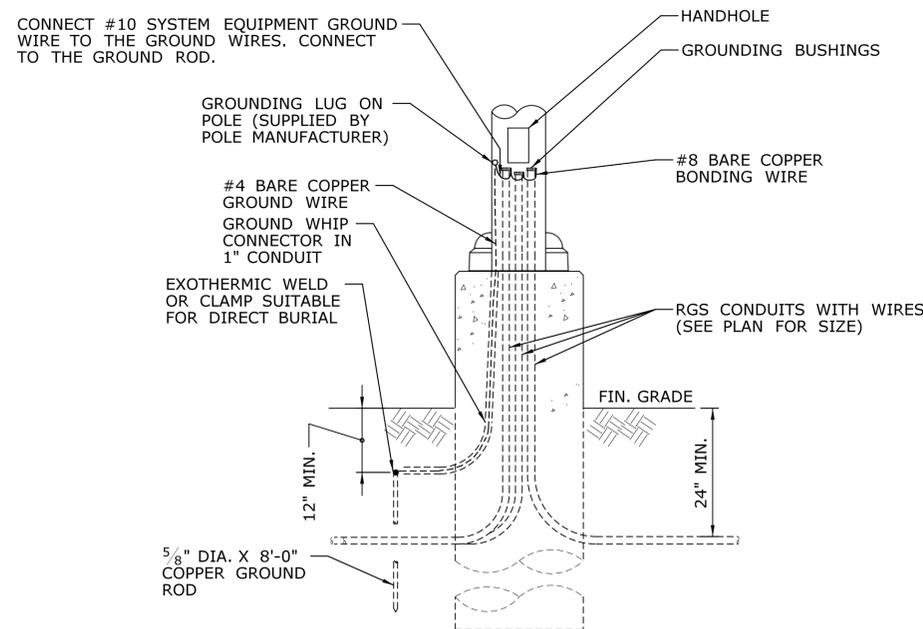
C PARKING LOT LIGHT POLE
I-100

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

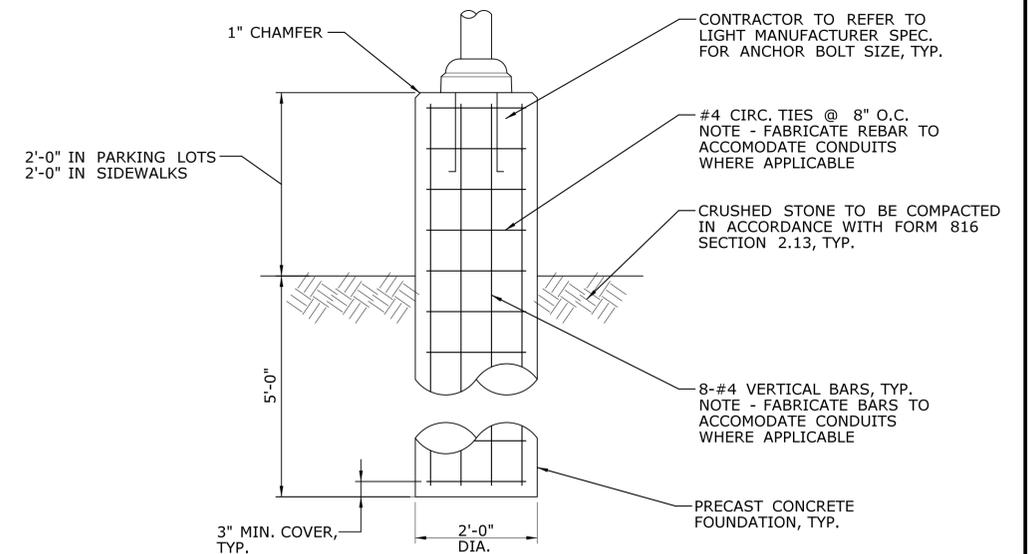
**BURIED ELECTRIC CABLES BELOW
- 480/277 VOLT FEEDERS -**
(FOR LOW VOLTAGE DUCTBANKS PROPER VOLTAGE SHALL BE INDICATED)
WITH WARNING MESH BELOW WARNING TAPE (LINE MARKER)



D TRENCH DETAIL
I-100



E POLE WIRING & GROUNDING
I-100



F POLE FOUNDATION
I-100

DESIGNER/DRAFTER: MD/MB	 STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	SIGNATURE/ BLOCK: VN ENGINEERS, INC 116 WASHINGTON AVE NEW HAVEN, CT 06473 (203) 234-7862	PROJECT TITLE: NEW HAVEN - HARTFORD SPRINGFIELD RAIL CORRIDOR	TOWN: WALLINGFORD	PROJECT NO. 170-3155	
CHECKED BY: RG						DRAWING NO. SIL-005
NOT TO SCALE	FILENAME: FA_CON_PDM_0170-2296_007_04_CIV_STAGE_PLN-001.dgn	SHEET NO. 06.04.006				
REV. DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 1/27/2014			