

STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION



RECONSTRUCTION OF I-95 OVER WEST RIVER IN THE TOWNS OF NEW HAVEN AND WEST HAVEN STATE PROJECT NUMBER 092-522

VOLUME 1 : SUBSET 22

ILLUMINATION PLANS AND DETAILS

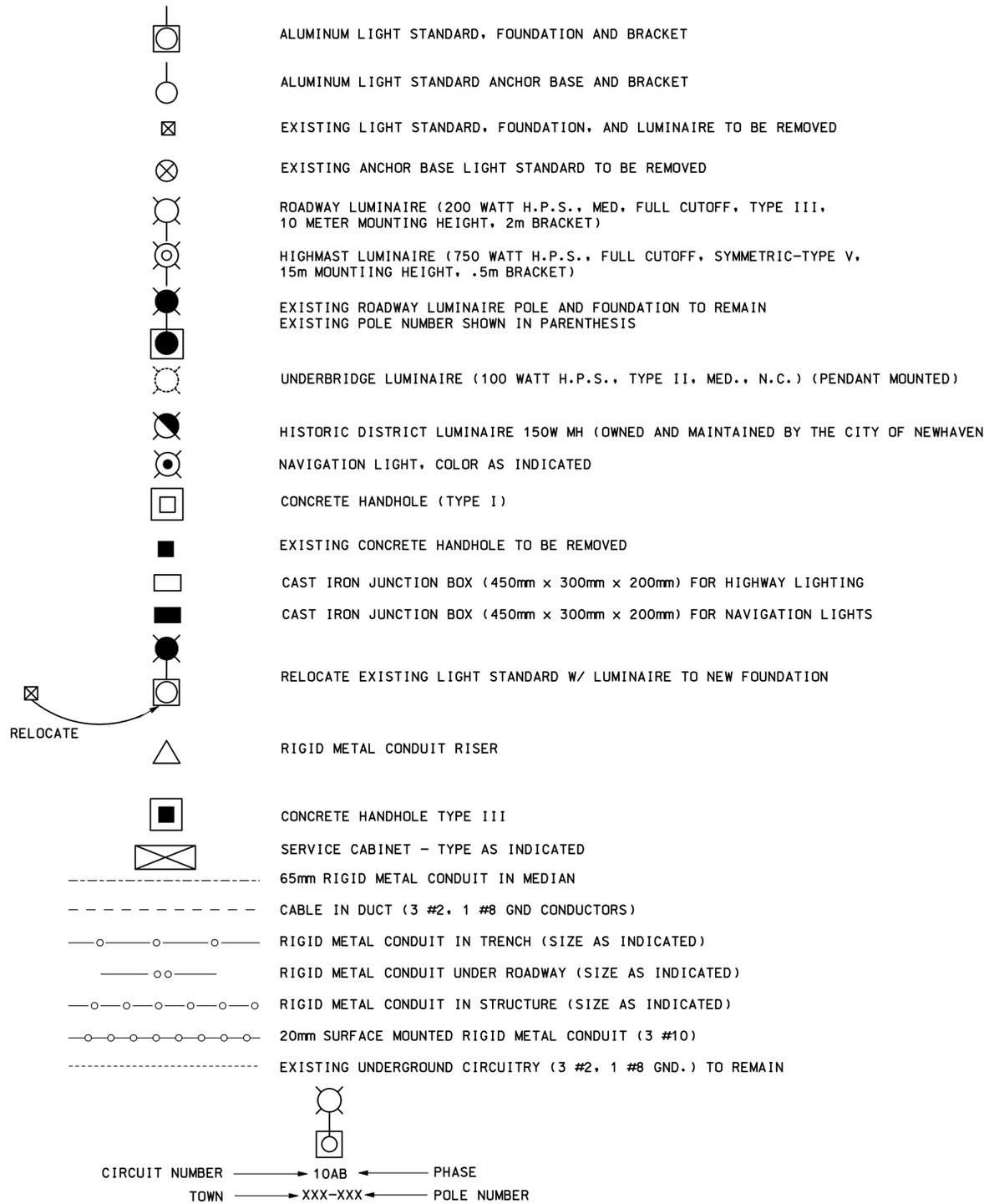


* THIS SIGNATURE BLOCK IS DEDICATED TO THE PRIME DISCIPLINE PRINCIPAL ENGINEER/ARCHITECT THAT IS RESPONSIBLE FOR CERTIFYING PLANS

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| | | DESIGNER: R. P. TALBOT |  STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION | PROJECT TITLE: RECONSTRUCTION OF I-95 OVER WEST RIVER | TOWN: NEW HAVEN / WEST HAVEN | PROJECT NO.: 92-522 |
| | | DRAFTER: M.C. DEEGAN | | ENGINEER: PB AMERICAS, INC. | DRAWING TITLE: SUBSET COVER ILLUMINATION PLANS AND DETAILS | DRAWING NO.: SSC-01.22 |
| REV. | DATE | DESCRIPTION REVISIONS | DATE CHECKED: | APPROVED BY: | CADD ssc-01-22-092522.dgn | PLOTTED 11/2/2012 |

ELECTRICAL LEGEND



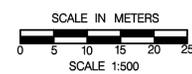
TYPICAL ILLUMINATION UNIT

ELECTRICAL NOTES:

- ALL ELECTRICAL WORK SHALL CONFORM TO NATIONAL ELECTRICAL CODE, CONNECTICUT STANDARD SPECIFICATIONS, INCLUDING FORM 814g AND UTILITY CO. STANDARDS.
- IT IS THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS TO CALL FOR A COMPLETE ELECTRICAL INSTALLATION. IT IS NOT THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS TO INCLUDE EVERY DETAIL FOR ELECTRICAL WORK REQUIRED TO BE PERFORMED BY THE CONTRACTOR TO MAKE A COMPLETE INSTALLATION. ITEMS NOT SPECIFICALLY SHOWN ON THE DRAWINGS OR INCLUDED IN THE SPECIFICATIONS, THAT ARE REQUIRED BY THE CONTRACTOR TO PERFORM HIS WORK ARE TO BE INCLUDED AS PART OF HIS WORK.
- CONDUCTORS ARE TO BE COPPER, INSULATION TYPE XHHW AND RATED FOR 600 VOLTS AND SHALL BE COLOR CODED BLACK-BLUE-RED.
- THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT UPON COMPLETION OF PROJECT, ALL LIGHTS SHALL BE OPERABLE. THE CONTRACTOR SHALL PROVIDE ALL INSTRUMENTS AND LABOR TO PERFORM THE RESISTANCE TEST OF GROUND SOURCE AND ALSO PERFORM INSULATION TEST TO ENSURE FREEDOM FROM SHORT CIRCUITS AND GROUNDS.
- ALL EQUIPMENT SHALL BE NEW AND UNDERWRITER'S LABORATORY APPROVED. ALL EQUIPMENT AND MATERIAL SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. ALL MATERIALS SHALL BE OF THE BEST QUALITY FOR THE PURPOSE INTENDED.
- THE CONTRACTOR SHALL PROVIDE THE CONNECTICUT DEPARTMENT OF TRANSPORTATION (CONN. DOT) A COMPLETE SET OF REPRODUCIBLE AS-BUILT DRAWINGS CLEARLY INDICATING ANY DEVIATIONS (IN RED) FROM THE DESIGN SHOWN ON THESE DRAWINGS.
- SEE STRUCTURAL DRAWINGS FOR INSTALLATION OF CONDUIT, JUNCTION BOXES, EXPANSION FITTINGS, LIGHT STANDARDS, AND GROUNDING ON BRIDGE.
- THE CONTRACTOR SHALL IDENTIFY AND LABEL EACH CIRCUIT BREAKER IN THE SERVICE CABINET.
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE THE INSTALLATION OF CONDUIT, JUNCTION BOXES, ANCHOR BOLTS, FOUNDATIONS WITH BRIDGE AND ROADWAY WORK.
- THE CONTRACTOR SHALL TAG AND IDENTIFY EACH WIRE IN ALL JUNCTION BOXES AND HANDHOLES.
- THE CONTRACTOR SHALL ORGANIZE HIS WORK SO THAT ANY PORTION OF THE ROADWAY WHICH HAS EXISTING ILLUMINATION AND IS OPEN FOR USE REMAINS LIGHTED. THE LIGHTING MAY CONSIST OF: 1) EXISTING LIGHTING, 2) NEW LIGHTING, 3) TEMPORARY LIGHTING, OR ANY COMBINATION OF THE ABOVE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO STAGE THE INSTALLATION OF NEW LIGHTING AND SERVICE CABINETS SO THAT ALL ROADWAYS WITH EXISTING ILLUMINATION ARE CONTINUOUSLY LIGHTED. IF IT IS NECESSARY TO INSTALL TEMPORARY POLES, LIGHTS OR CIRCUITRY, THAT WORK SHALL BE SUBMITTED FOR APPROVAL TO THE ENGINEER PRIOR TO INSTALLATION, AND WILL BE PAID FOR AT THE BID UNIT PRICE FOR THESE ITEMS. WHERE INSTALLED, TEMPORARY LIGHTING SHALL BE SPACED SO AS TO MAINTAIN EXISTING ROADWAY LIGHTING AND UNIFORMITY LEVELS. THE CONTRACTOR SHALL MAINTAIN ALL LIGHTING THROUGHOUT THE DURATION OF THE PROJECT.
- ALL "COBRA HEAD" TYPE ROADWAY LUMINAIRES SHALL HAVE A FULL CUTOFF (FLAT GLASS REFRACTOR) TYPE III DISTRIBUTION. HIGHMAST LUMINAIRES SHALL BE FULL CUT-OFF, TYPE V DISTRIBUTION.
- INSTALL ONE NUMBER 8 BARE COPPER GROUNDING CONDUCTOR THROUGHOUT ALL LIGHTING CIRCUITS.
- TAPE ALL UNUSED CONDUCTORS.
- LOCATION OF EXISTING ILLUMINATION ON PLANS IS APPROXIMATE.
- FOR EXISTING ILLUMINATION, SEE STATE PROJECT 138-187.
- THE CONTRACTOR SHALL ABIDE BY THE CONNDOT LOCKOUT/TAGOUT PROCEDURES WHEN ACCESS TO A CIRCUIT IS REQUIRED. THE CONTRACTOR SHALL CONTACT THE DISTRICT ELECTRICAL SUPERVISOR AT TELEPHONE (203) 878-1869. WHEN ACCESS TO A CIRCUIT IS REQUIRED.
- IN AREAS WHERE EXISTING LIGHT STANDARDS ARE TO BE REMOVED, EXISTING UNDERGROUND CONDUIT AND CONDUCTORS WHICH WILL NO LONGER BE USED, SHALL BE DISCONNECTED AND ABANDONED IN PLACE.
- LIGHT STANDARD FOUNDATIONS SHALL BE INSTALLED AS FOLLOWS:
A) 0.6m BEHIND METAL BEAM RAIL, PRECAST CONCRETE BARRIER CURB OR BARRIER WALL
B) ON STRUCTURE WALLS
C) BETWEEN MEDIAN BARRIERS.

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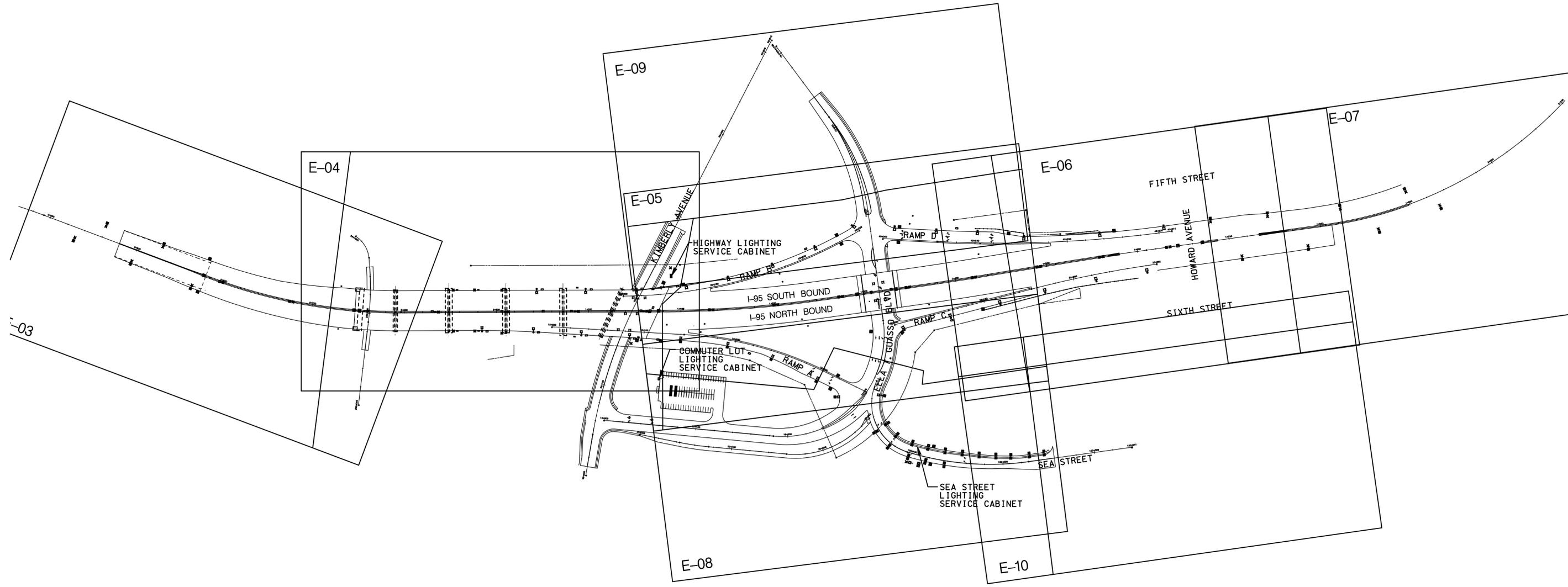
DESIGNER: R. P. TALBOT
DRAFTER: M.C. DEEGAN
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DATE CHECKED:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

ENGINEER: PB AMERICAS, INC.
APPROVED BY: DATE:

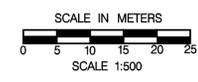
PROJECT TITLE:
RECONSTRUCTION OF I-95 OVER WEST RIVER
CADD 11-01-092522.dgn

TOWN: NEW HAVEN / WEST HAVEN
DRAWING TITLE: SYMBOLS, LEGEND AND NOTES
PROJECT NO.: 92-522
DRAWING NO.: E-01
SHEET NO.:



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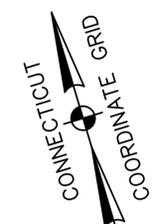
STATE OF CONNECTICUT
 DEPARTMENT OF TRANSPORTATION

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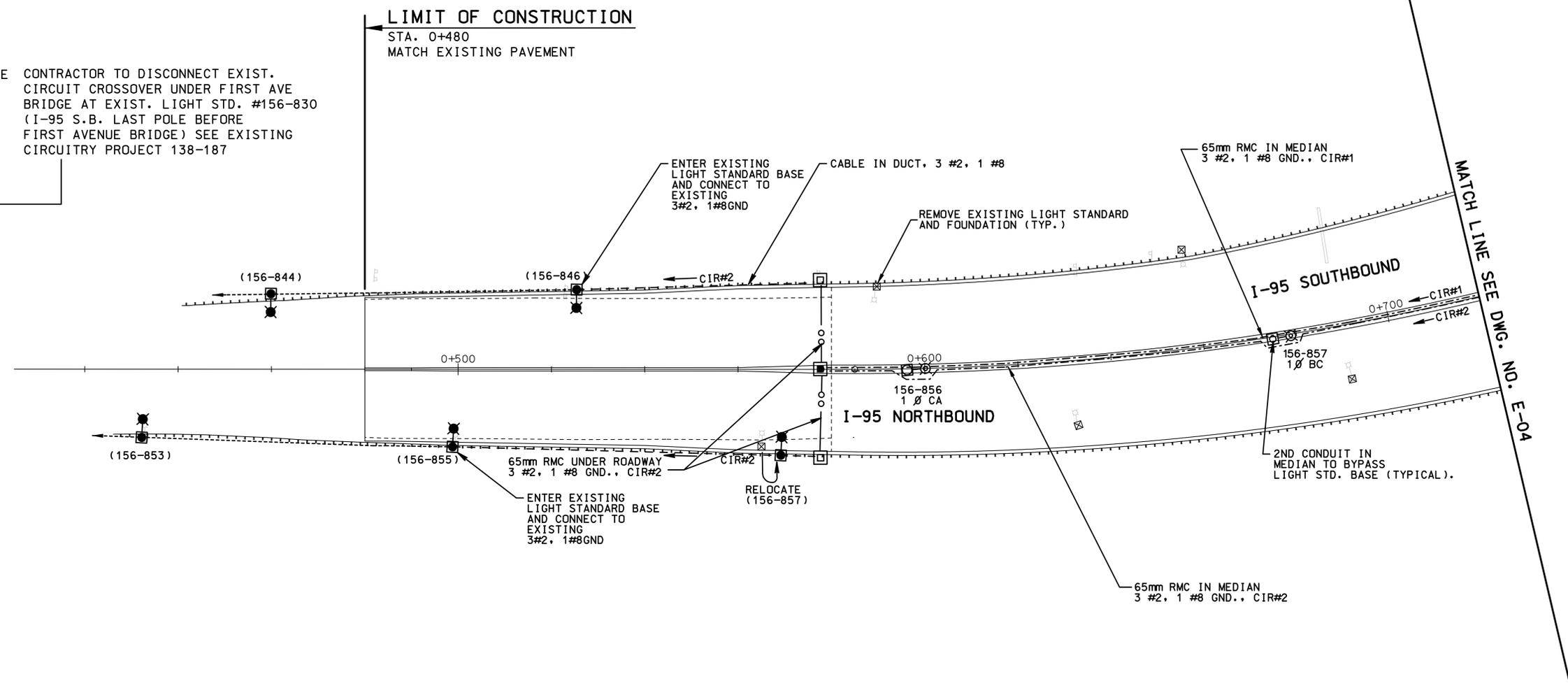
PROJECT TITLE:
RECONSTRUCTION OF I-95 OVER WEST RIVER
 CADD 11-02-092522.dgn

TOWN: **NEW HAVEN / WEST HAVEN**
 DRAWING TITLE:
KEYPLAN

PROJECT NO.: **92-522**
 DRAWING NO.: **E-02**
 SHEET NO.:



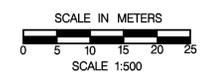
.NOTE CONTRACTOR TO DISCONNECT EXIST. CIRCUIT CROSSOVER UNDER FIRST AVE BRIDGE AT EXIST. LIGHT STD. #156-830 (I-95 S.B. LAST POLE BEFORE FIRST AVENUE BRIDGE) SEE EXISTING CIRCUITRY PROJECT 138-187



.NOTE: WHERE TWO CONDUITS ARE PRESENT IN THE MEDIAN LIGHT STANDARD FOUNDATION SHALL BE INSTALLED UP AGAINST INSIDE FACE OF SOUTHBOUND BARRIER TO ALLOW PASSAGE OF SECOND CONDUIT BETWEEN FOUNDATION AND INSIDE FACE OF NORTHBOUND BARRIER (TYPICAL)

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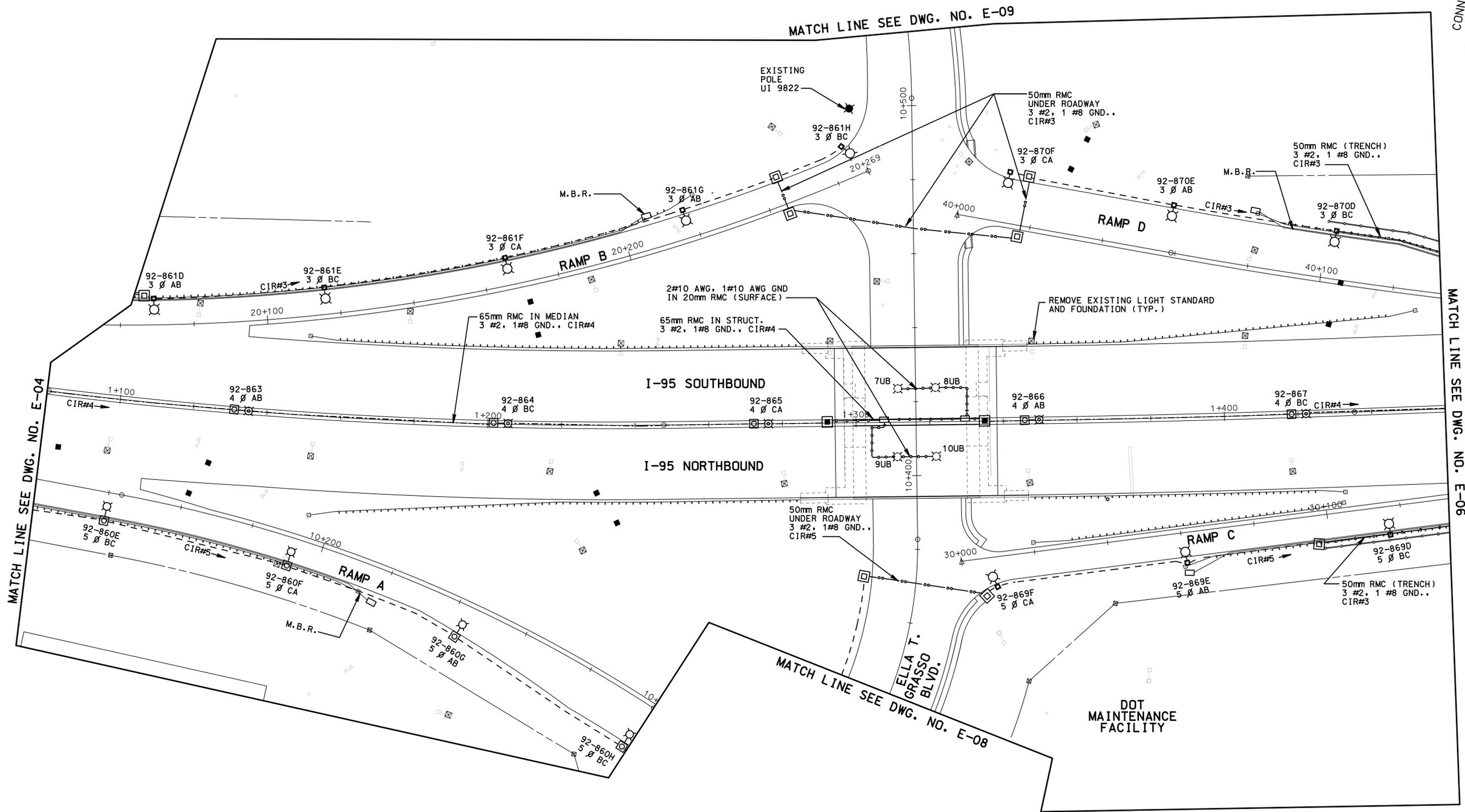
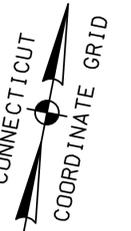
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RECONSTRUCTION OF I-95 OVER WEST RIVER

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TOWN: **NEW HAVEN / WEST HAVEN**

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ILLUMINATION PLAN

PROJECT NO.: **92-522**
DRAWING NO.: **E-03**
SHEET NO.:



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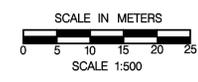
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MATCH LINE SEE DWG. NO. E-06

MATCH LINE SEE DWG. NO. E-08

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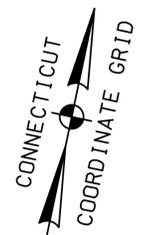
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ENGINEER: PB AMERICAS, INC.
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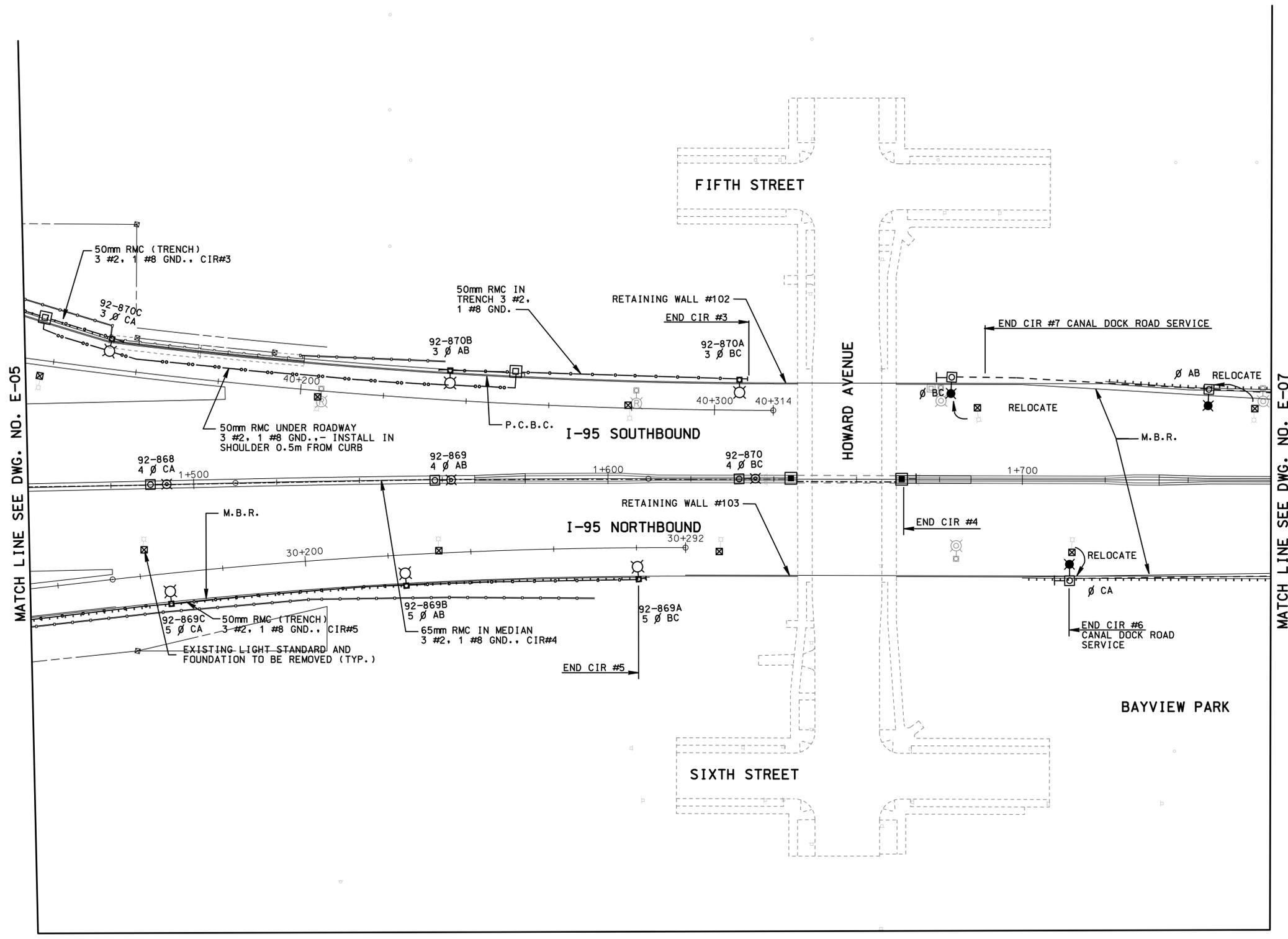
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RECONSTRUCTION OF I-95 OVER WEST RIVER
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NEW HAVEN / WEST HAVEN
 DRAWING TITLE:
ILLUMINATION PLAN

PROJECT NO.:
92-522
 DRAWING NO.:
E-05
 SHEET NO.:



TRAFFIC SIGNAL SPAN POLE
W/ 5m BRACKET AND 250W H.P.S.
ROADWAY LUMINAIRE .



MATCH LINE SEE DWG. NO. E-05

MATCH LINE SEE DWG. NO. E-07

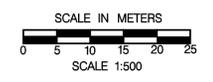
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NOTE:
1. CONNECT LUMINAIRES ON HOWARD AVENUE, FIFTH STREET AND SIXTH STREET TO CIRCUITS 1 AND 2, CONNECT ADJACENT LUMINAIRES TO ALTERNATE CIRCUITS.

. TAPE UNUSED CONDUCTOR AND LEAVE AS SPARE.

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RECONSTRUCTION OF I-95 OVER WEST RIVER

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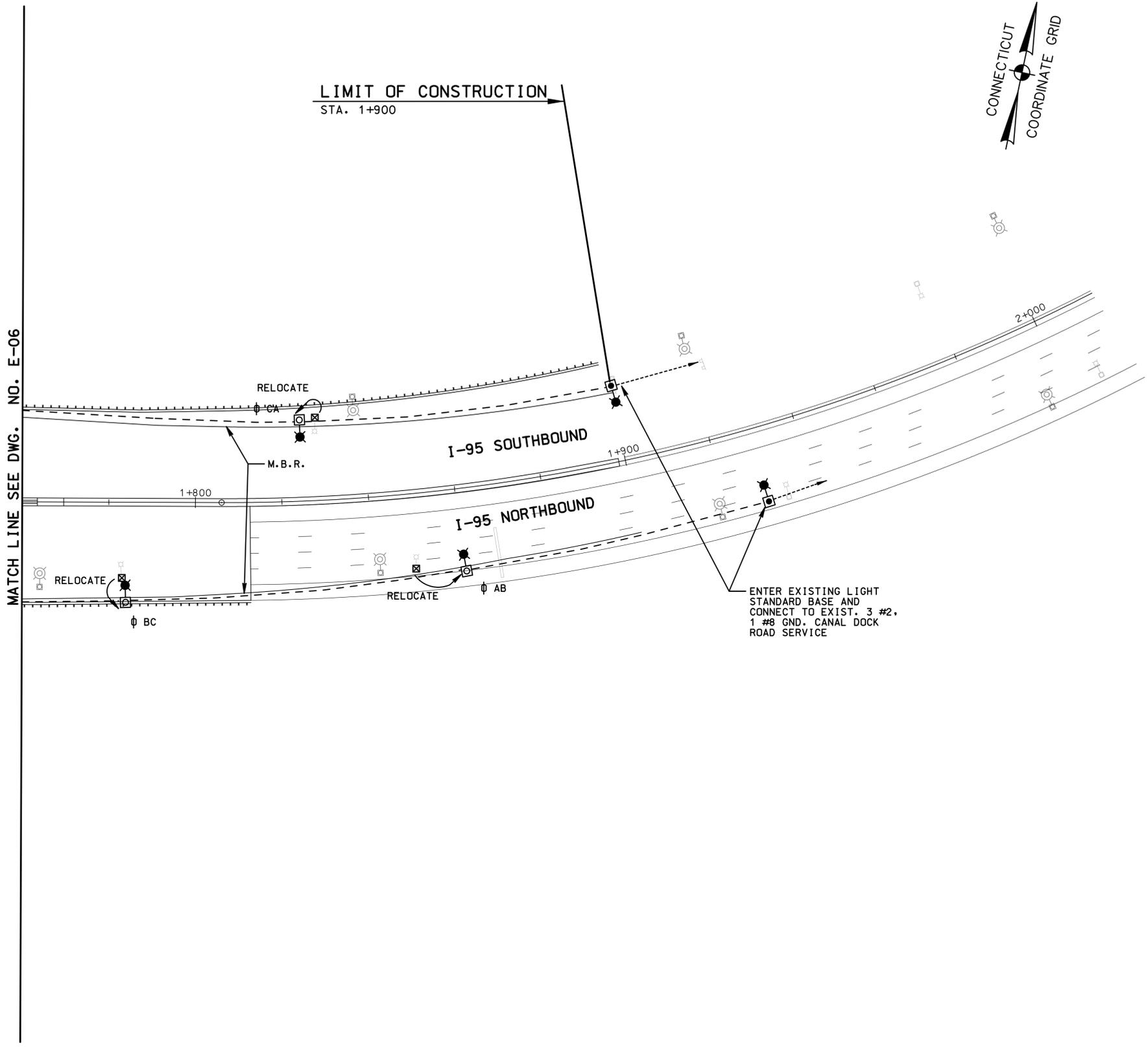
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PROJECT NO.:
92-522

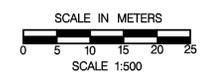
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PROJECT TITLE:
RECONSTRUCTION OF I-95 OVER WEST RIVER

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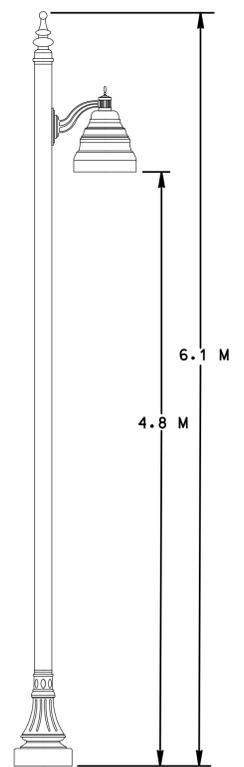
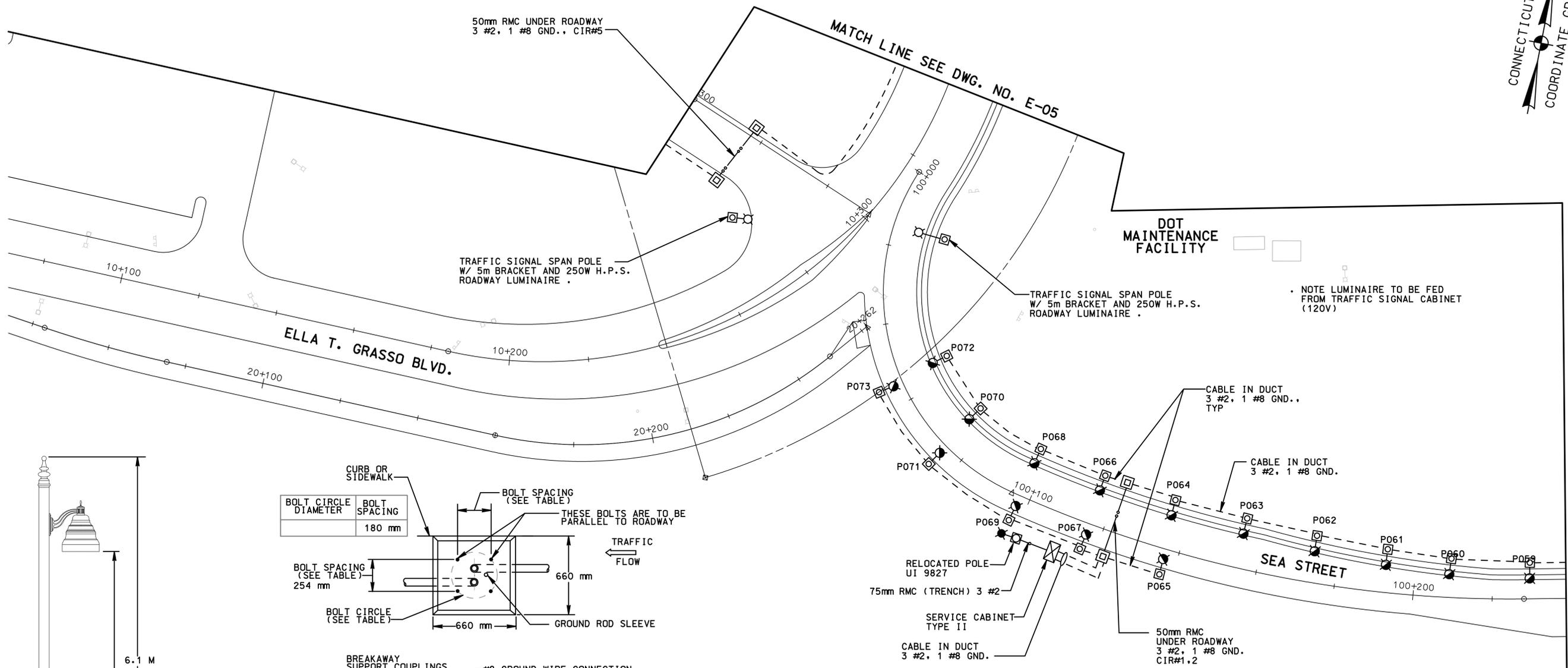
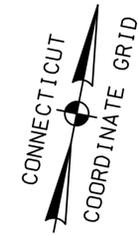
TOWN:
NEW HAVEN / WEST HAVEN

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ILLUMINATION PLAN

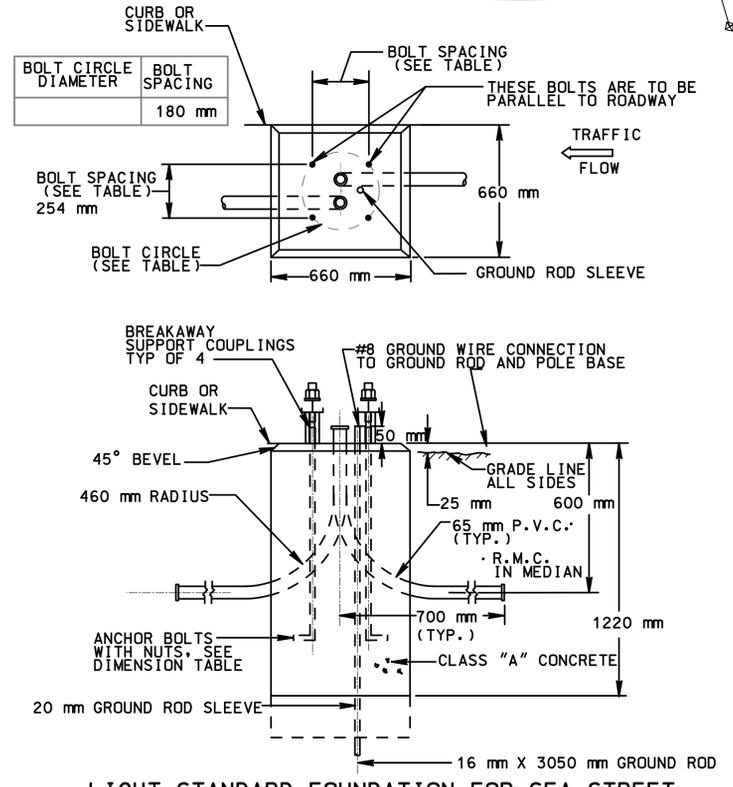
PROJECT NO.:
92-522

DRAWING NO.:
E-07

SHEET NO.:



LIGHT STANDARD ELEVATION FOR SEA STREET



LIGHT STANDARD FOUNDATION FOR SEA STREET

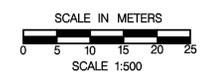
| BOLT CIRCLE DIAMETER | BOLT SPACING |
|----------------------|--------------|
| | 180 mm |

| BOLT SPACING (SEE TABLE) |
|--------------------------|
| 254 mm |

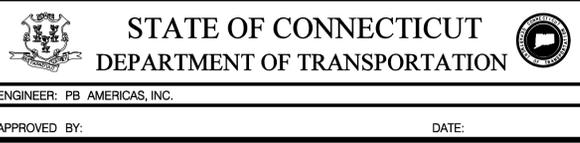
| BOLT CIRCLE (SEE TABLE) |
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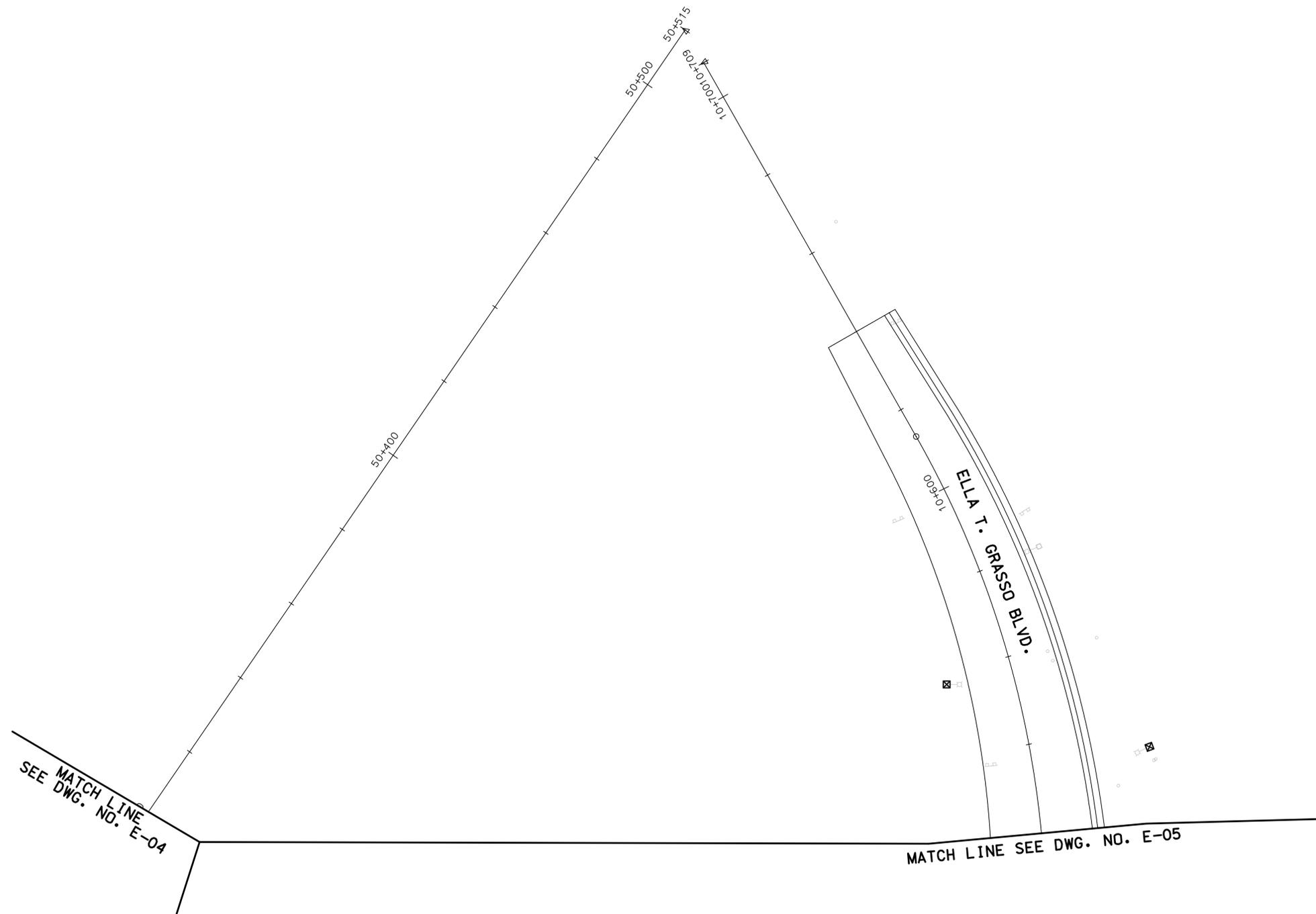


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PROJECT TITLE:
 RECONSTRUCTION OF I-95 OVER WEST RIVER
 CADD 11-08-092522.dgn

TOWN:
 NEW HAVEN / WEST HAVEN
 DRAWING TITLE:
 ILLUMINATION PLAN

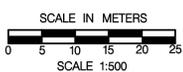
PROJECT NO.: 92-522
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 SHEET NO.:



MATCH LINE
SEE DWG. NO. E-04

MATCH LINE SEE DWG. NO. E-05

ELLA T. GRASSO BLVD.



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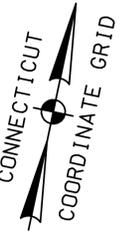
PROJECT TITLE:
 RECONSTRUCTION OF I-95 OVER
 WEST RIVER
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TOWN:
 NEW HAVEN / WEST HAVEN
 DRAWING TITLE:
 ILLUMINATION PLAN

PROJECT NO.: 92-522
 DRAWING NO.: E-09
 SHEET NO.:

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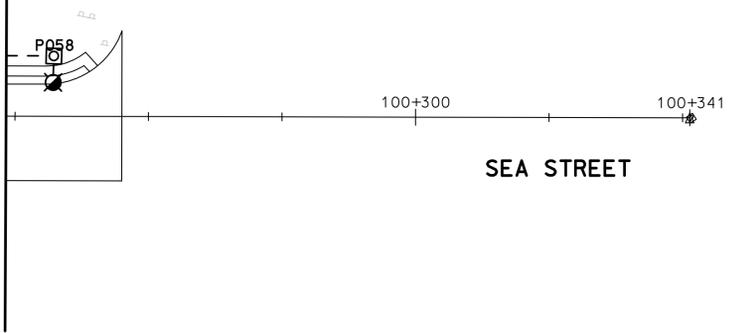
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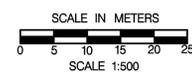
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MATCH LINE SEE DWG. NO. E-08

HOWARD AVE.



SEA STREET



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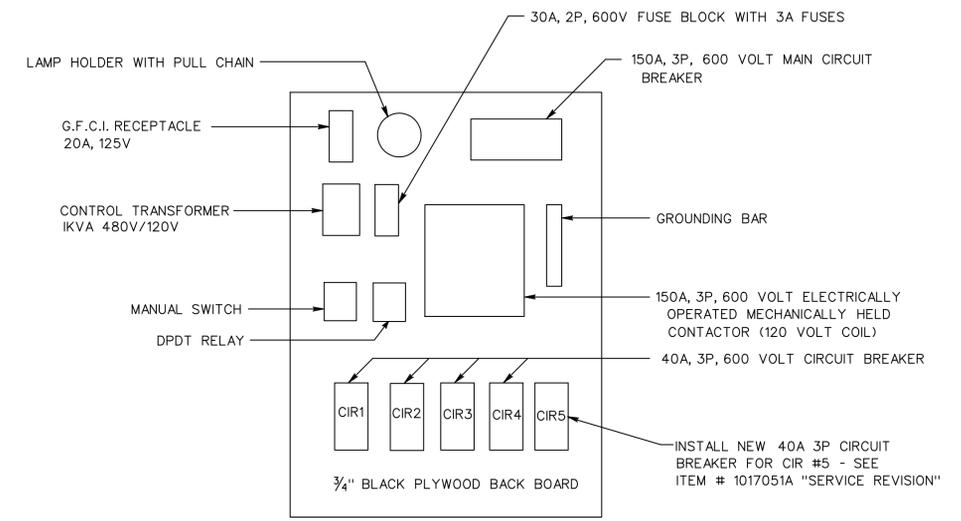
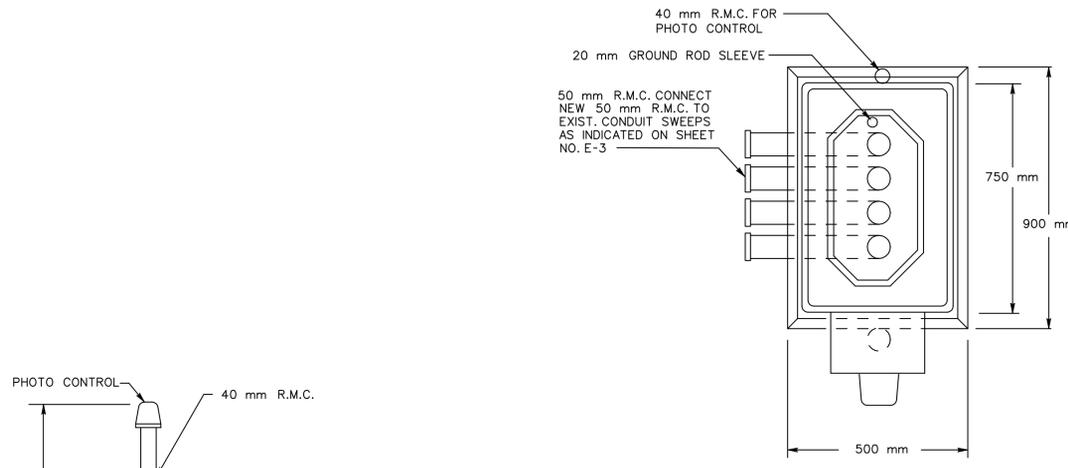
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 RECONSTRUCTION OF I-95 OVER
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TOWN:
 NEW HAVEN / WEST HAVEN
 DRAWING TITLE:
 ILLUMINATION PLAN

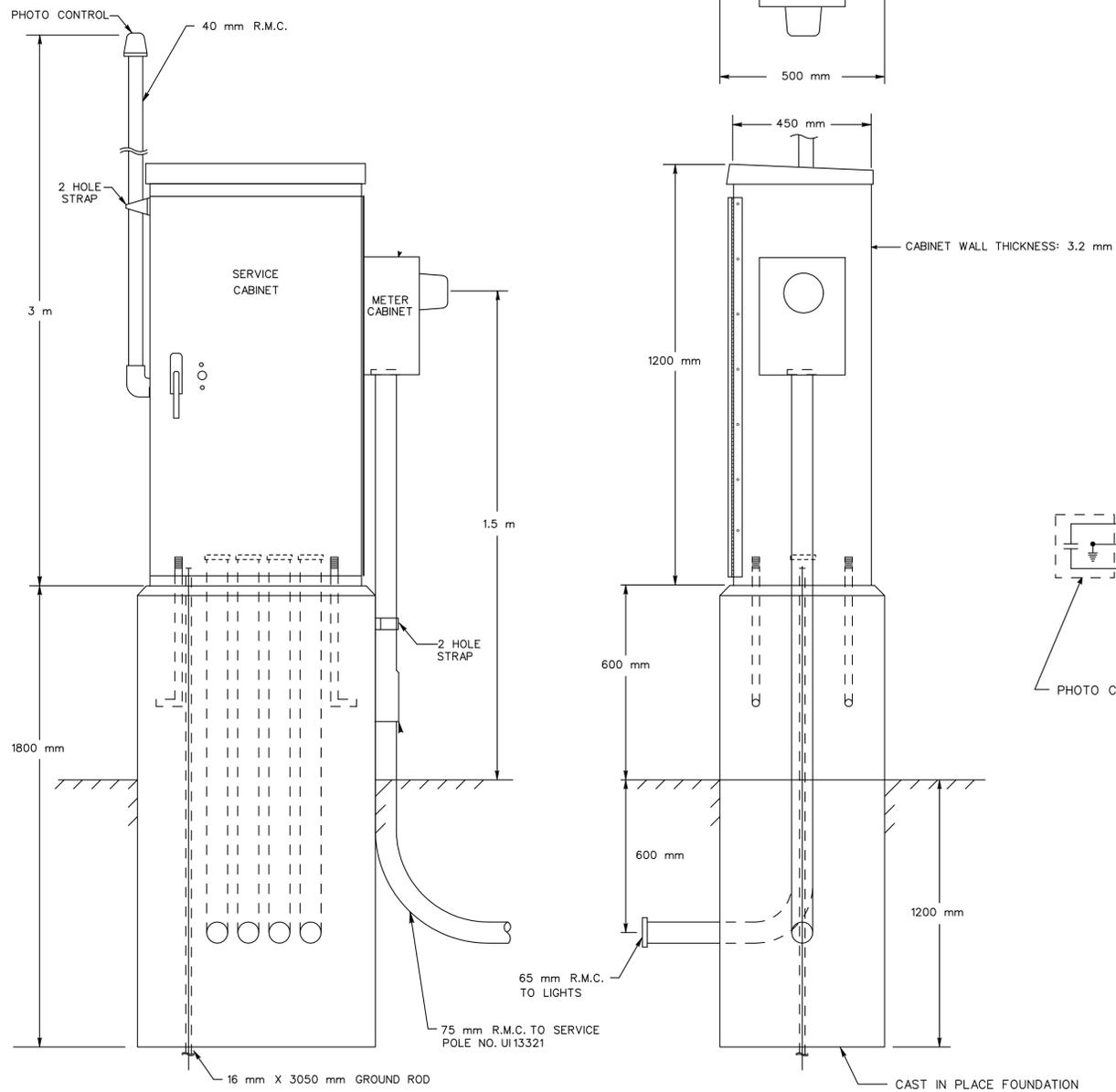
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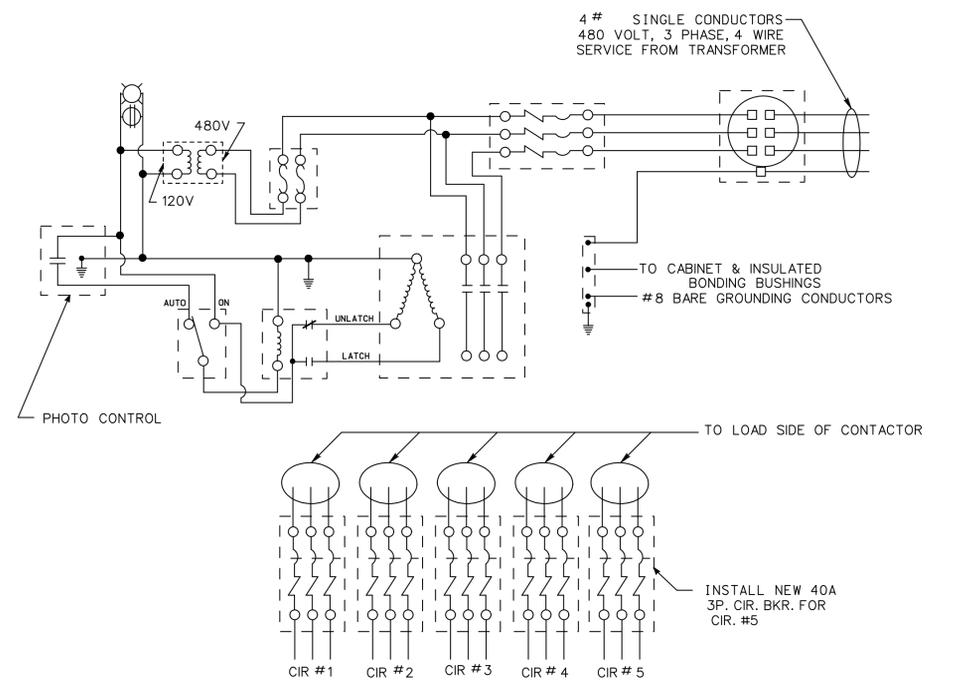
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EXISTING PANEL LAYOUT - SERVICE CABINET



EXISTING SERVICE ENTRANCE AND CABINET TYPE I



EXISTING WIRING DIAGRAM

NOTE: CONTRACTOR TO INSTALL NEW 40A, 3P, 600V CIRCUIT BREAKER FOR CIR. #5 (ITEM #1017051A "SERVICE REVISION") NEW CIRCUIT CONDUCTOR SHALL BE CONNECTED AS REQUIRED.

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NOT TO SCALE

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STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

ENGINEER: PB AMERICAS, INC.
APPROVED BY:
DATE:

OFFICE OF ENGINEERING

PROJECT TITLE:
RECONSTRUCTION OF I-95 OVER WEST RIVER

CADD 11-092522.dgn PLOTTED 11/22/2012

TOWN:
NEW HAVEN / WEST HAVEN

DRAWING TITLE:
EXISTING SERVICE ENTRANCE AND CABINET TYPE I - KIMBERLY AVE.

PROJECT NO.: 92-522
DRAWING NO.: E-11
SHEET NO.:

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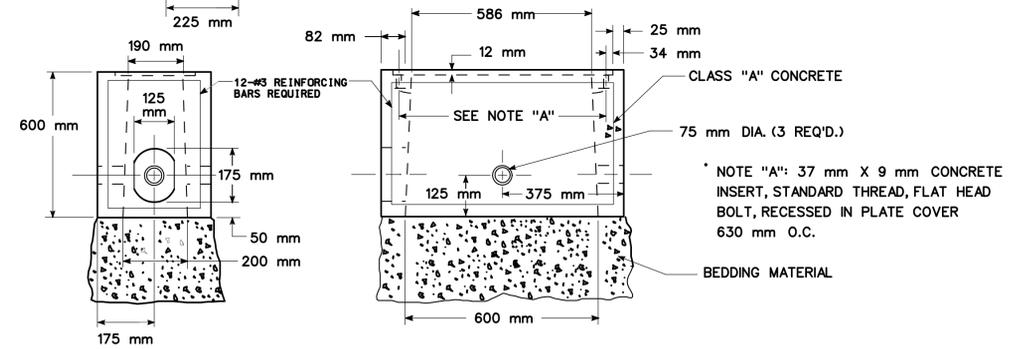
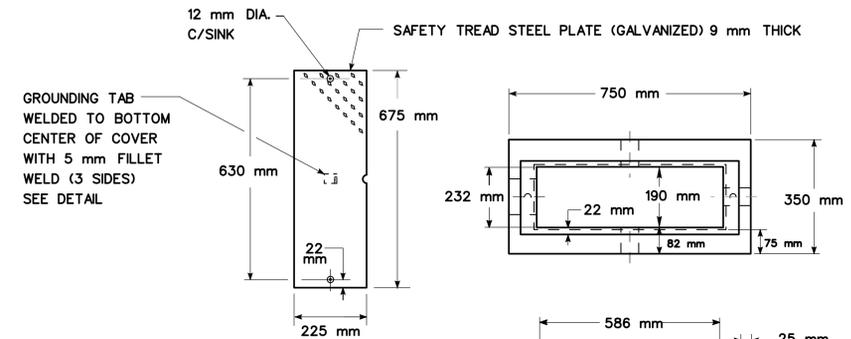
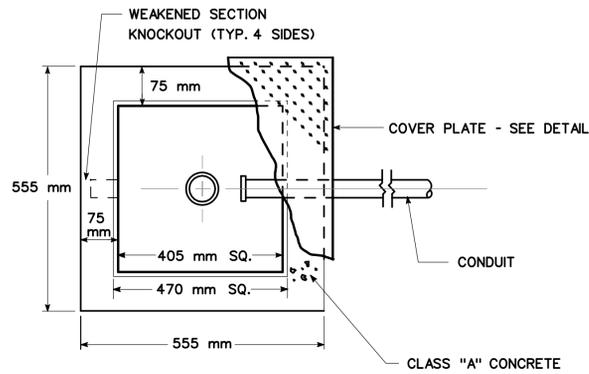
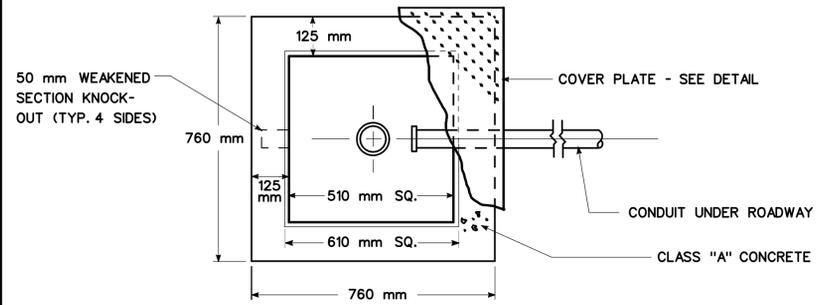
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**RECONSTRUCTION OF I-95 OVER
WEST RIVER**

CADD: 11-12-092522.dgn PLOTTED: 11/12/2012

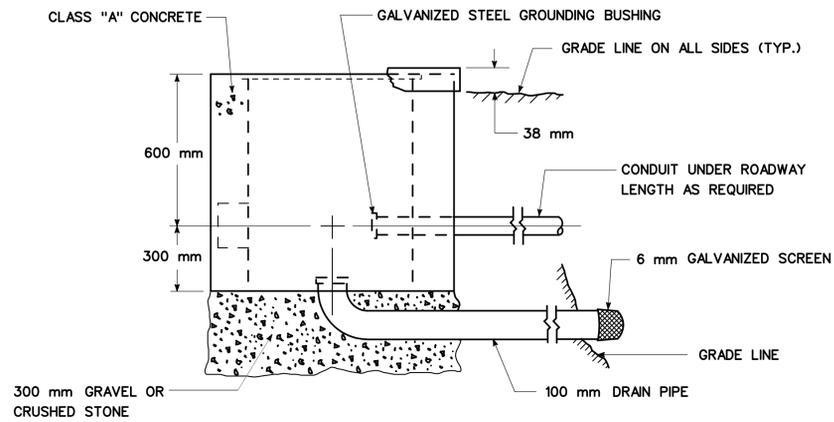
TOWN:
NEW HAVEN / WEST HAVEN

DRAWING TITLE:

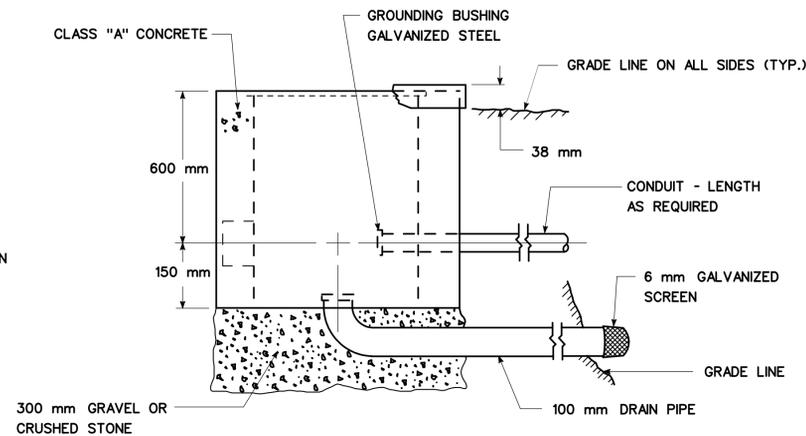
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DRAWING NO.: **E-12**
SHEET NO.:



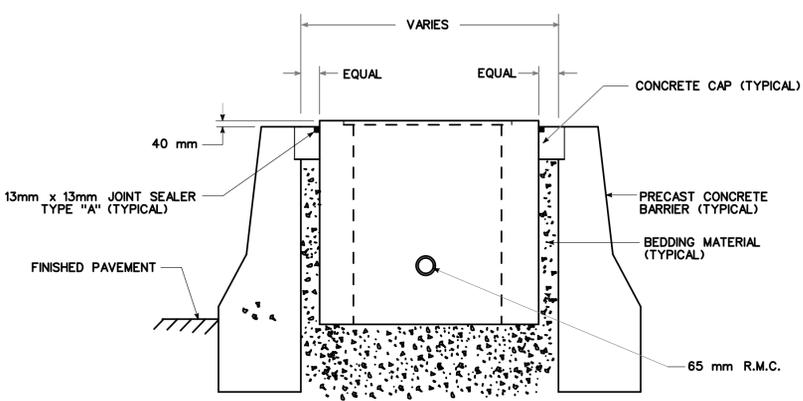
CONCRETE HANDHOLE - TYPE II



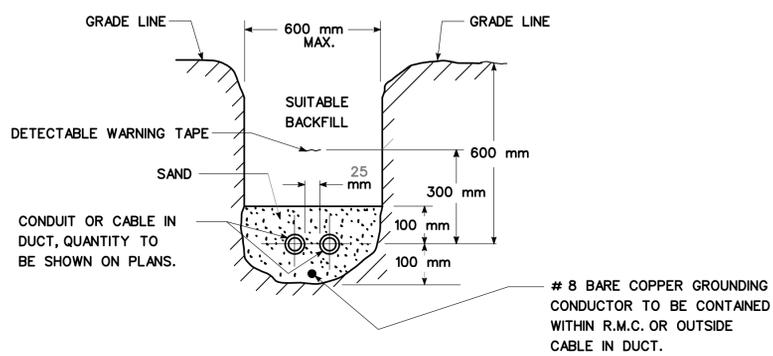
CONCRETE HANDHOLE - TYPE I



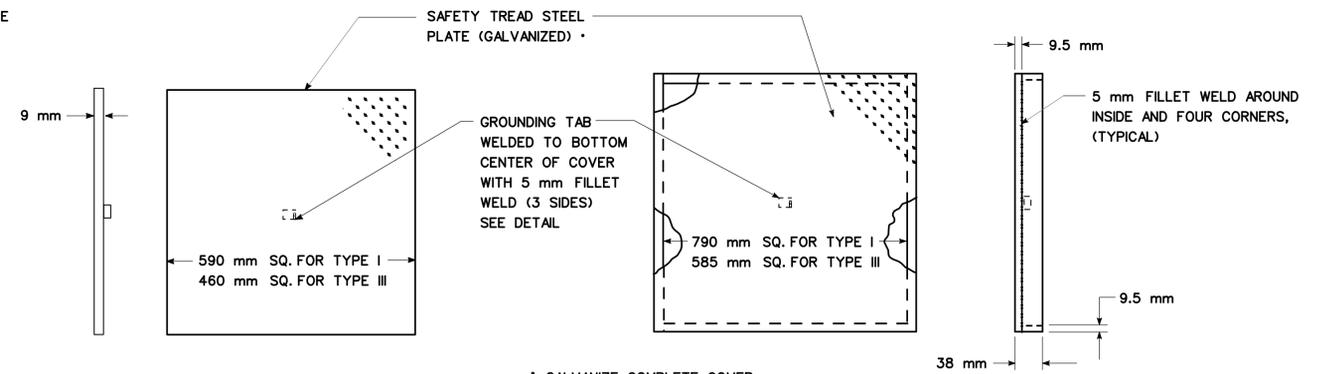
CONCRETE HANDHOLE - TYPE III



CONCRETE HANDHOLE IN MEDIAN

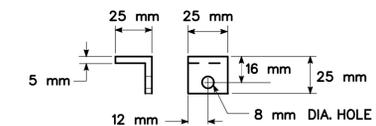


BURIED CONDUIT OR CABLE IN DUCT



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

OVERLAP TYPE COVER



STEEL GROUNDING TAB

NOTE:
ATTACH 2m LENGTH OF NO. 8 GROUND WIRE TO GROUNDING TAB WITH ONE HOLE LUG, M6 x 1 x 20 mm SST HEX HEAD BOLT, AND SST FLAT WASHER. ATTACH FREE END OF GROUND WIRE TO NO. 8 BARE GROUND WIRE IN HANDHOLE.

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DESIGNER: R. P. TALBOT
DRAFTER: M.C. DEEGAN
CHECKED BY:
DATE CHECKED:

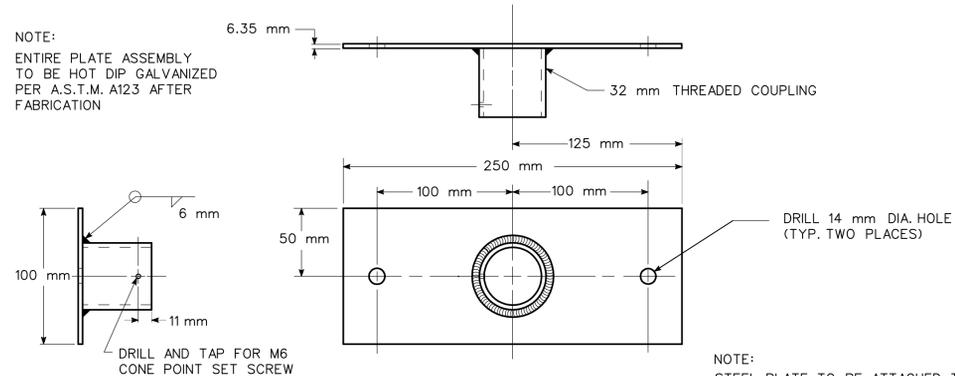
STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION
ENGINEER: PB AMERICAS, INC.
APPROVED BY: DATE:

PROJECT TITLE:
RECONSTRUCTION OF I-95 OVER WEST RIVER
CADD 11-13-092522.dgn PLOTTED 11/2/2012

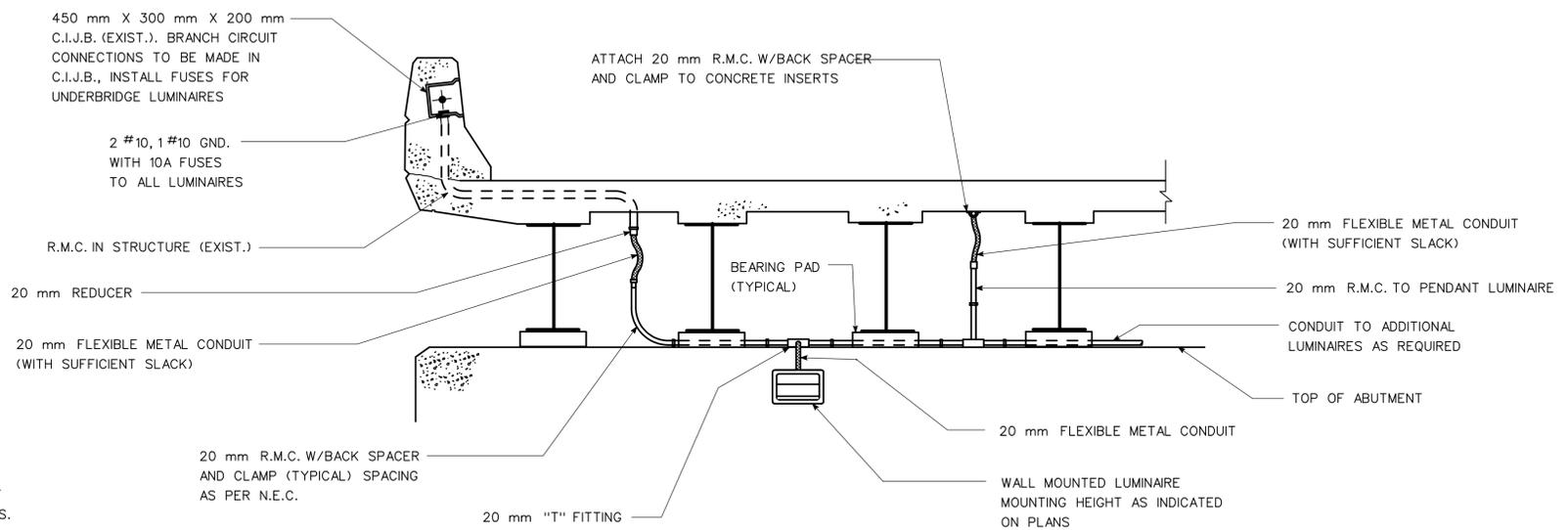
TOWN:
NEW HAVEN / WEST HAVEN
DRAWING TITLE:
CONCRETE HANDHOLES BURIED CONDUIT

PROJECT NO.: 92-522
DRAWING NO.: E-13
SHEET NO.:

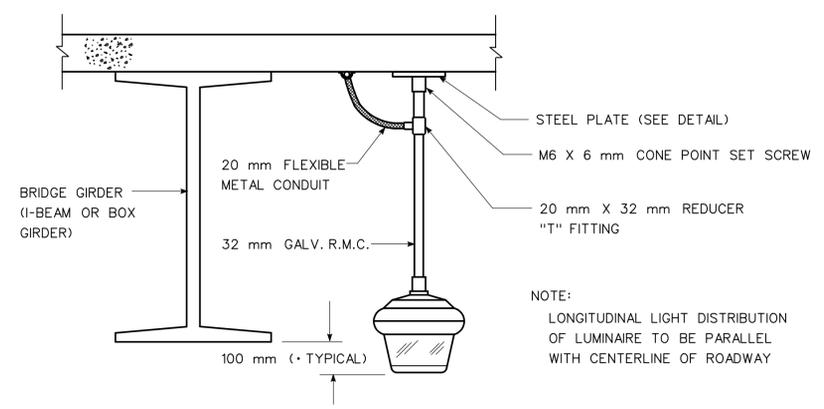
NOTE:
ENTIRE PLATE ASSEMBLY
TO BE HOT DIP GALVANIZED
PER A.S.T.M. A123 AFTER
FABRICATION



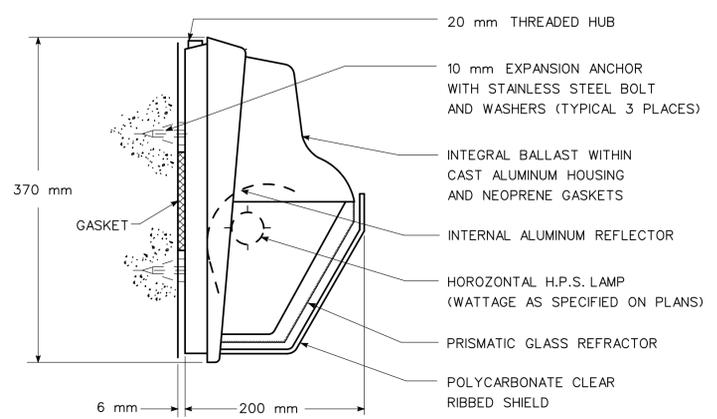
STEEL PLATE FOR PENDANT LUMINAIRE



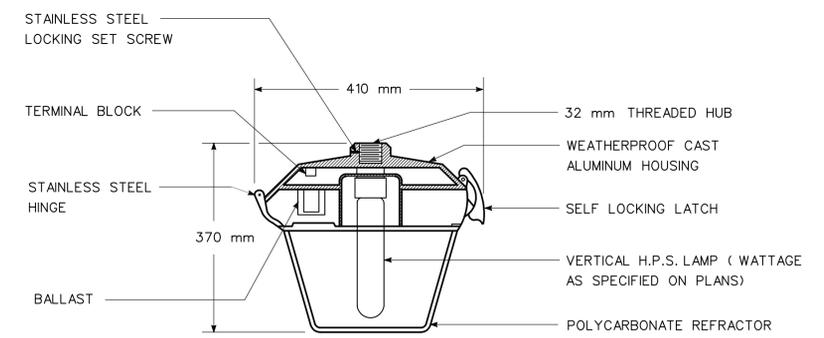
TYPICAL LAYOUT AND FEED FOR UNDERBRIDGE LUMINAIRE, WALL OR PENDANT MOUNTED



UNDERBRIDGE LUMINAIRE - PENDENT MOUNTING



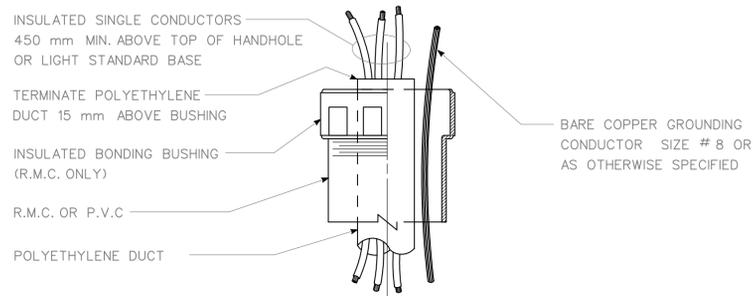
TYPICAL UNDERBRIDGE LUMINAIRE (WALL MOUNTED)



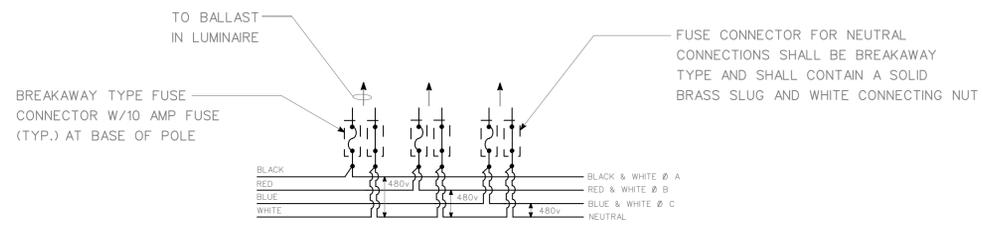
TYPICAL UNDERBRIDGE LUMINAIRE (PENDANT MOUNTED)

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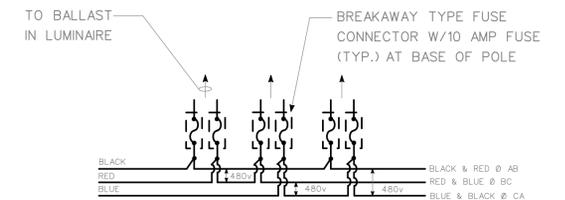
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| REV. DATE DESCRIPTION SHEET NO. REVISIONS | | | | | | |



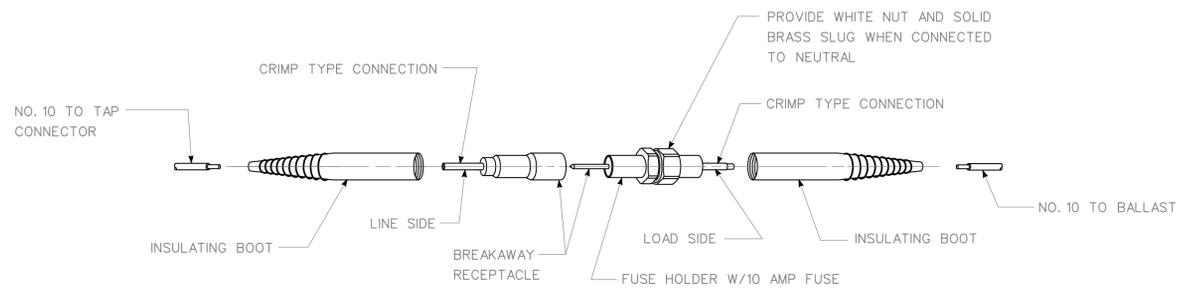
CABLE IN DUCT TERMINATION AT LIGHT STANDARD BASE, HANDHOLE AND CAST IRON JUNCTION BOX



3 PHASE 4 WIRE SYSTEM

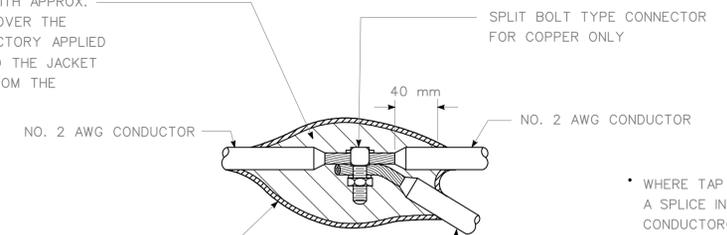


3 PHASE 3 WIRE SYSTEM



BREAKAWAY TYPE FUSE CONNECTOR
TO BE USED WITH TWIN LUMINAIRE LIGHT STANDARDS (4 REQUIRED PER LIGHT STANDARD)

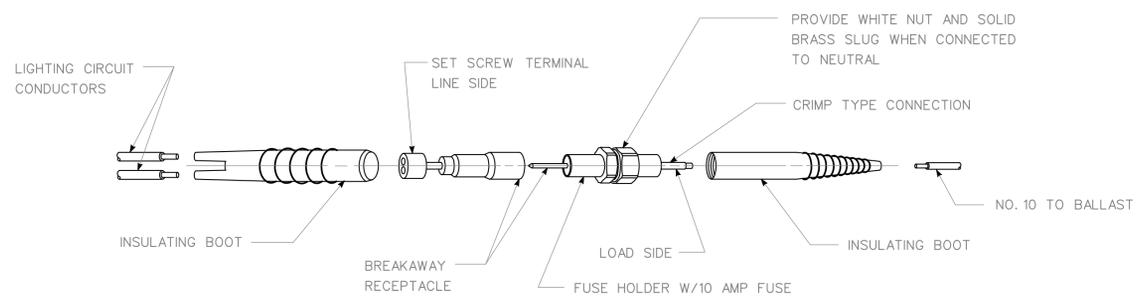
APPLY RUBBER SPLICING TAPE WITH APPROX. 50% OVERLAP TO A THICKNESS OVER THE CONNECTOR 1-1/2 TIMES THE FACTORY APPLIED INSULATION AND TAPER DOWN TO THE JACKET AT A POINT APPROX. 38 mm FROM THE EDGE OF PENCIL



WHERE TAP CONNECTOR IS USED AS A SPLICE IN A HANDHOLE, BRANCH CONDUCTOR(S) SHALL BE No. 2 AWG

COVER THE ENTIRE SPLICE PLUS 40 mm OF JACKET AT EACH END WITH 4 LAYERS OF SCOTCH # 88 (OR EQUAL) PLASTIC ELECTRICAL TAPE CONSISTING OF TWO TAPES APPLIED SPIRALLY WITH A 50% OVERLAP

TAP CONNECTOR
TO BE USED IN HANDHOLES AND W/TWIN LUMINAIRE LIGHT STANDARDS



BREAKAWAY TYPE FUSE CONNECTOR

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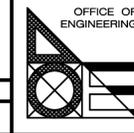
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| DRAFTER: | M.C. DEEGAN |
| CHECKED BY: | |
| DATE CHECKED: | |

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

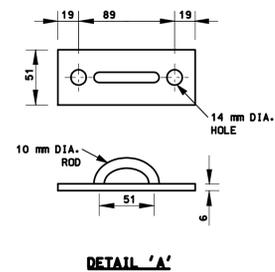
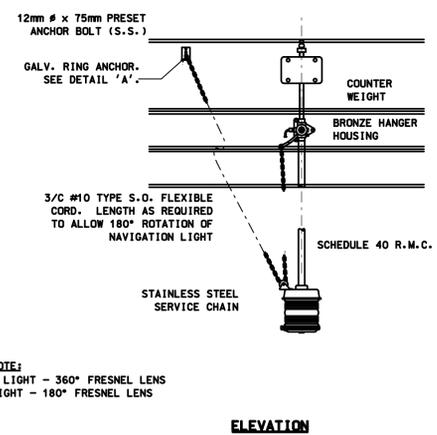
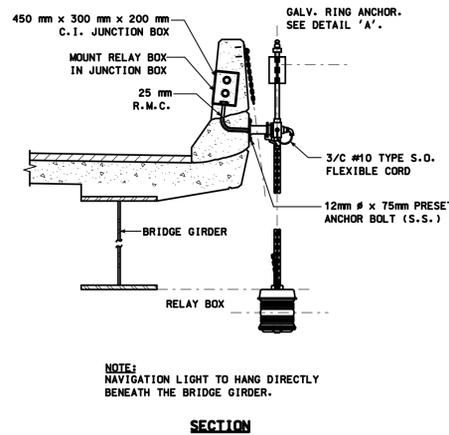
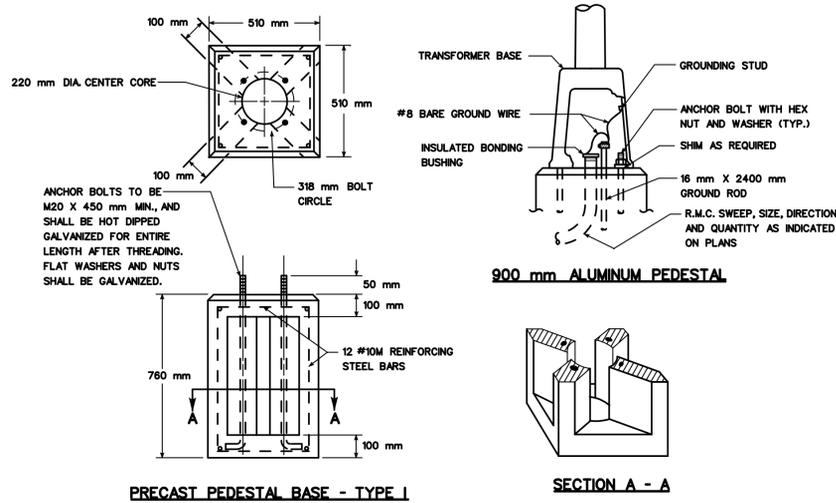
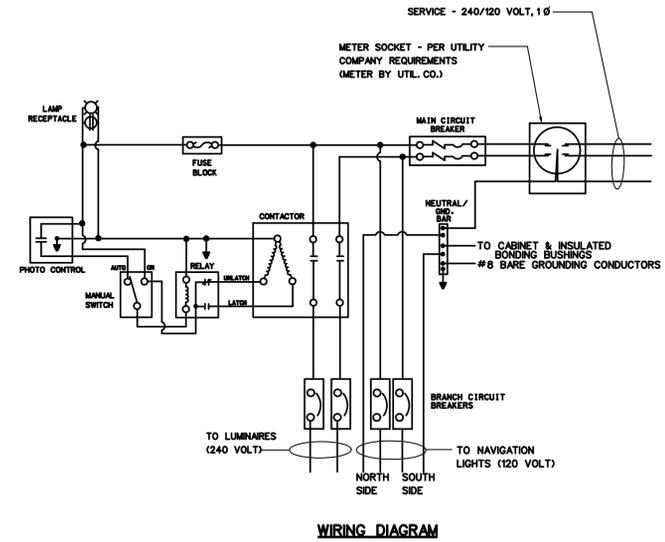
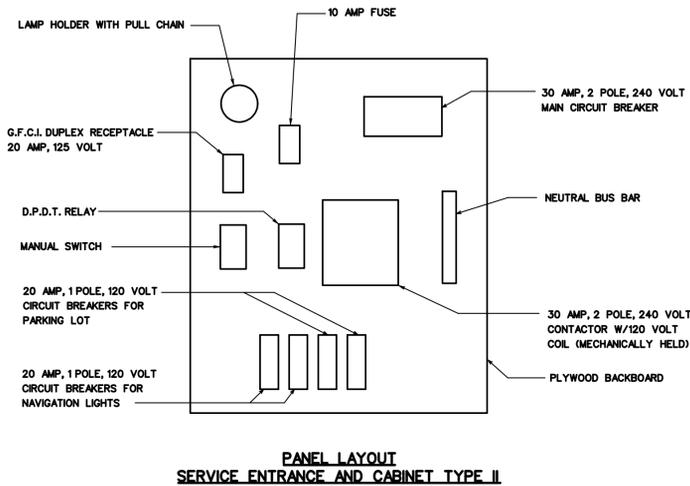
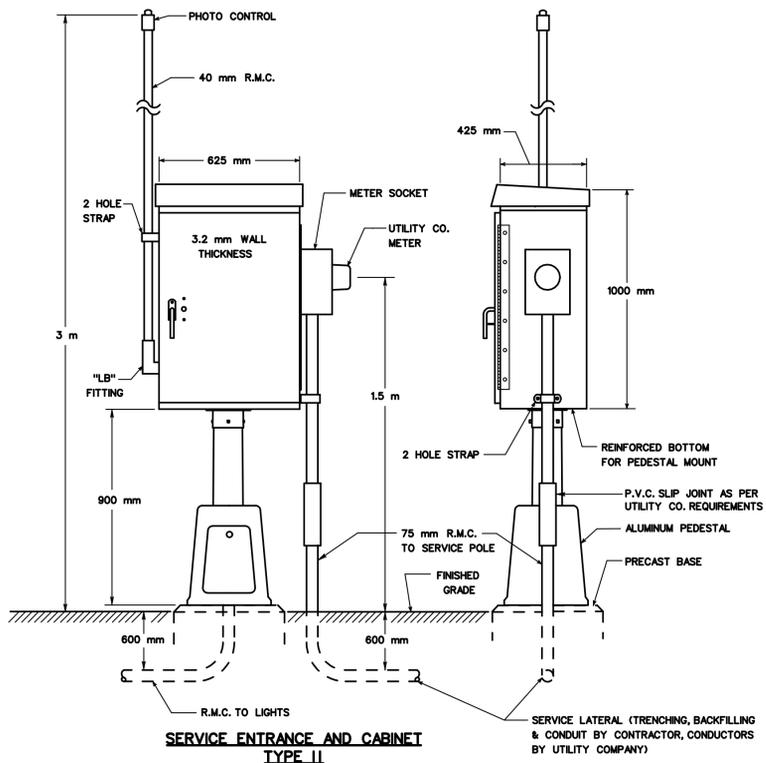
ENGINEER: PB AMERICAS, INC.
APPROVED BY: _____ DATE: _____



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| PROJECT TITLE: | RECONSTRUCTION OF I-95 OVER WEST RIVER |
| CADD | 11-15-092522.dgn |
| PLOTTED | 11/22/2012 |

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| TOWN: | NEW HAVEN / WEST HAVEN |
| DRAWING TITLE: | ELECTRICAL CONNECTIONS |

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|--------------|--------|
| PROJECT NO.: | 92-522 |
| DRAWING NO.: | E-15 |
| SHEET NO.: | |



NOTE:
NAVIGATION LIGHT TO HANG DIRECTLY
BENEATH THE BRIDGE GIRDER.

LIGHTING NOTE:
GREEN NAV. LIGHT - 360° FRESNEL LENS
RED NAV. LIGHT - 180° FRESNEL LENS

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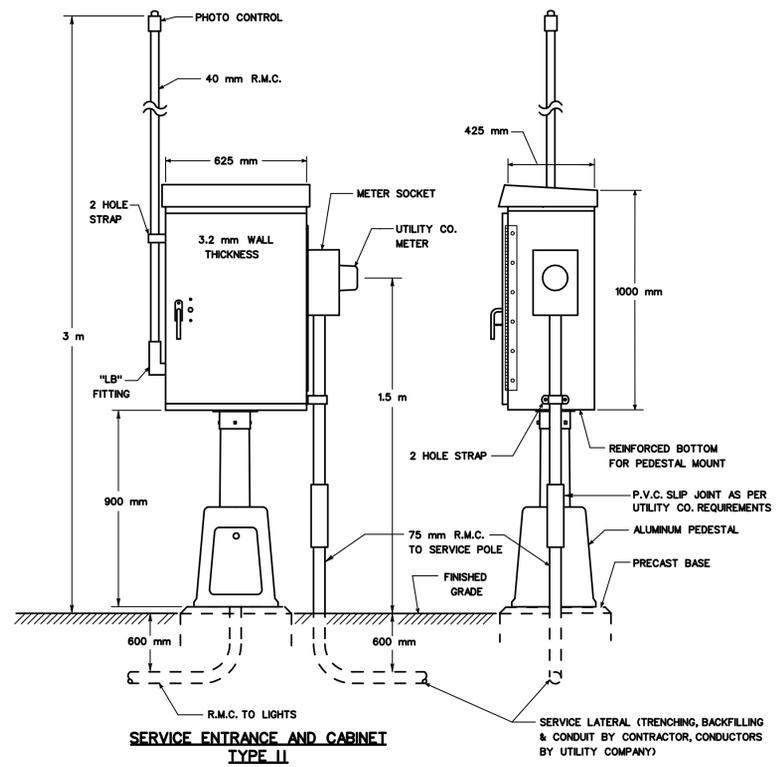
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| DESIGNER: R. P. TALBOT | STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION |
| DRAFTER: M.C. DEEGAN | |
| CHECKED BY: | ENGINEER: PB AMERICAS, INC. |
| DATE CHECKED: | APPROVED BY: _____ DATE: _____ |

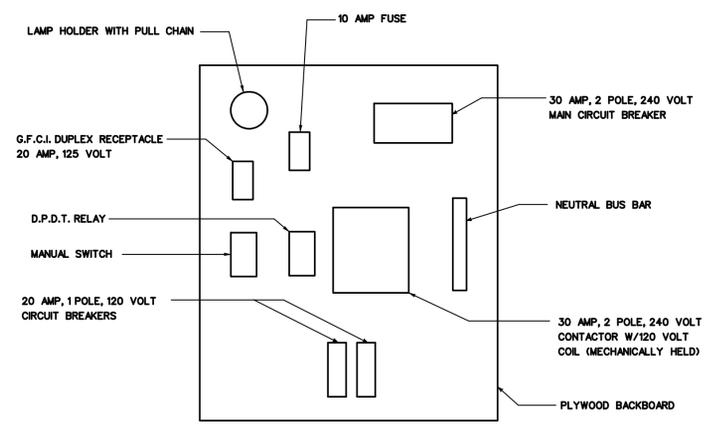
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| CADD 11-16-092522.dgn |

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| TOWN: NEW HAVEN / WEST HAVEN |
| DRAWING TITLE: DETAILS - NAVIGATION LIGHTS |

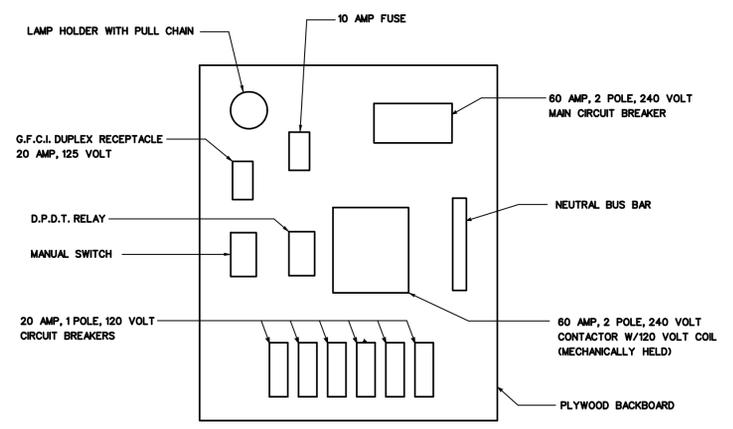
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| PROJECT NO.: 92-522 |
| DRAWING NO.: E-16 |
| SHEET NO.: |



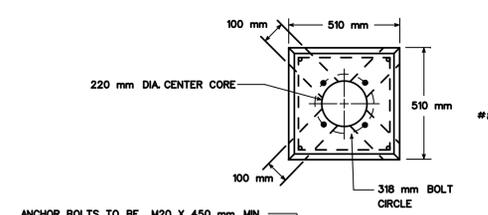
SERVICE ENTRANCE AND CABINET TYPE II



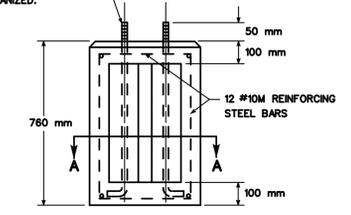
PANEL LAYOUT FOR SEA STREET SERVICE ENTRANCE AND CABINET TYPE II



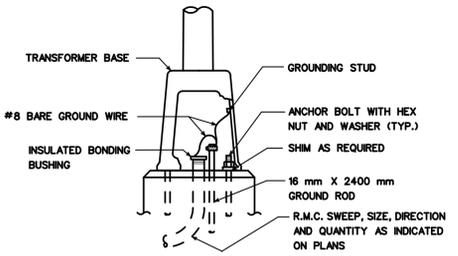
PANEL LAYOUT FOR HOWARD AVENUE SERVICE ENTRANCE AND CABINET TYPE II



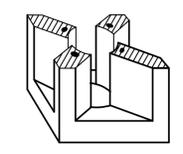
ANCHOR BOLTS TO BE M20 X 450 mm MIN., AND SHALL BE HOT DIPPED GALVANIZED FOR ENTIRE LENGTH AFTER THREADING. FLAT WASHERS AND NUTS TO BE GALVANIZED.



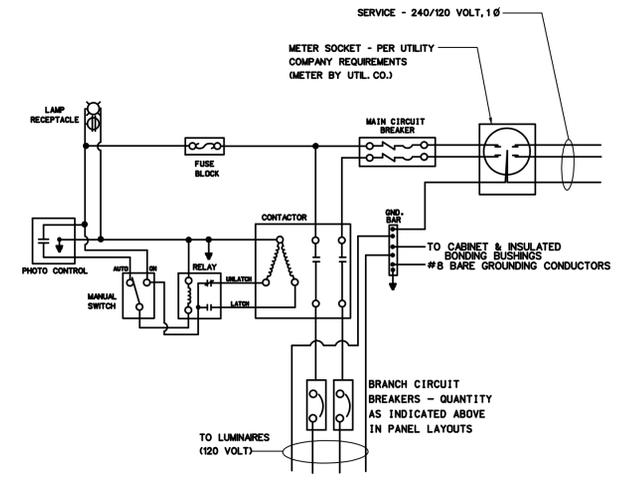
PRECAST PEDESTAL BASE - TYPE I



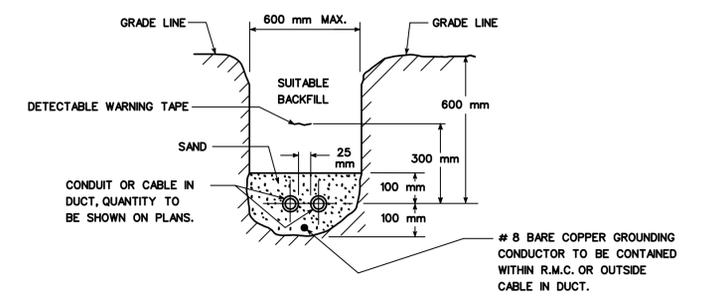
900 mm ALUMINUM PEDESTAL



SECTION A - A



WIRING DIAGRAM



BURIED CONDUIT OR CABLE IN DUCT

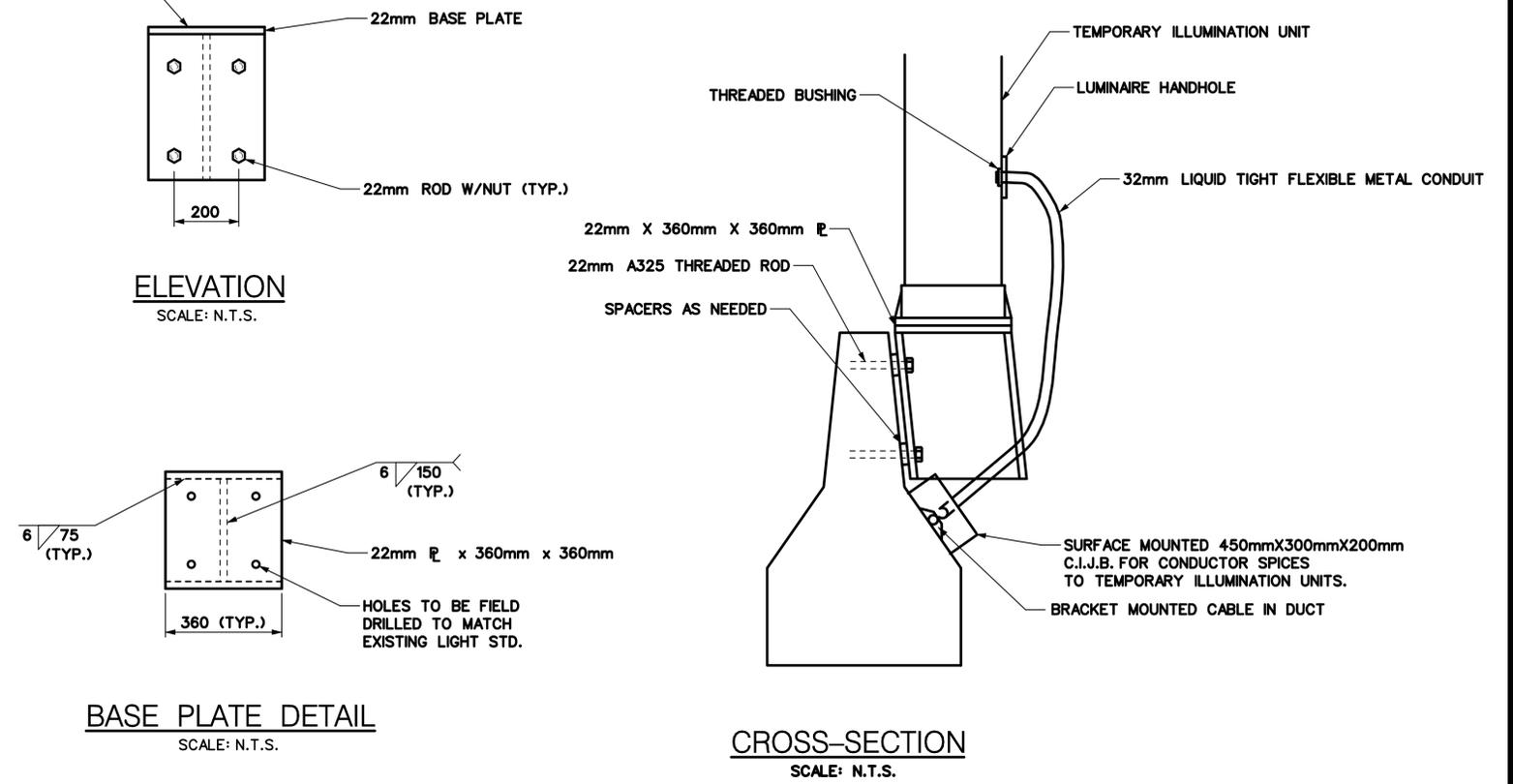
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| NOT TO SCALE | DESIGNER: R. P. TALBOT | <p>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</p> | PROJECT TITLE: RECONSTRUCTION OF I-95 OVER WEST RIVER | TOWN: NEW HAVEN / WEST HAVEN | PROJECT NO.: 92-522 |
| | DRAFTER: M.C. DEEGAN | | ENGINEER: PB AMERICAS, INC. | DRAWING TITLE: CITY OF NEW HAVEN LIGHTING DETAILS - SERVICE | DRAWING NO.: E-17 |
| | CHECKED BY: | APPROVED BY: | CADD 11-17-092522.dgn | PLOTTED 11/22/2012 | SHEET NO.: |

TEMPORARY ILLUMINATION NOTES

1. THE CONTRACTOR SHALL ORGANIZE HIS WORK SO THAT ANY PORTION OF THE ROADWAY WHICH HAS EXISTING ILLUMINATION AND IS OPEN FOR USE REMAINS LIGHTED. THE LIGHTING MAY CONSIST OF: 1) EXISTING LIGHTING, 2) NEW LIGHTING, 3) TEMPORARY LIGHTING, OR ANY COMBINATION OF THE ABOVE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO STAGE THE INSTALLATION OF NEW LIGHTING AND SERVICE CABINETS SO THAT ALL ROADWAYS WITH EXISTING ILLUMINATION ARE CONTINUOUSLY LIGHTED. IF IT IS NECESSARY TO INSTALL TEMPORARY POLES, LIGHTS, OR CIRCUITRY, THAT WORK SHALL BE SUBMITTED FOR APPROVAL TO THE ENGINEER PRIOR TO INSTALLATION, AND WILL BE PAID FOR AT THE BID UNIT PRICE FOR THESE ITEMS. WHERE INSTALLED, TEMPORARY LIGHTING SHALL BE SPACED SO AS TO MAINTAIN EXISTING ROADWAY LIGHTING AND UNIFORMITY LEVELS. THE CONTRACTOR SHALL MAINTAIN ALL LIGHTING THROUGHOUT THE DURATION OF THE PROJECT. SEE SECTION 10.00 "GENERAL CLAUSES FOR HIGHWAY ILLUMINATION AND TRAFFIC SIGNAL PROJECTS".
2. EXISTING LIGHT STANDARDS SHALL BE REMOVED/RELOCATED AS REQUIRED. THE EXISTING CIRCUIT WIRING SHALL BE MAINTAINED DURING CONSTRUCTION.
3. THE CONTRACTOR SHALL CONTACT THE DISTRICT 3 ELECTRICAL SUPERVISOR AT TELEPHONE (203) 878-1869 WHEN ACCESS TO A CIRCUIT IS REQUIRED, AND FOLLOW ALL STATE LOCKOUT/TAGOUT PROCEDURES.
4. ALL TEMPORARY WIRING SHALL BE 3 NO. 2 AWG WITH 1 NO. 8 GROUND RATED FOR 600 VOLTS.
5. THE MOUNTING HEIGHT OF ALL TEMPORARY ILLUMINATION UNITS (FIBERGLASS) SHALL BE 12 METERS.
6. THE TEMPORARY LIGHTING SHALL BE COORDINATED WITH ADJACENT STATE PROJECTS 92-603, 92-622, 92-531, & 92-649.
7. EXISTING CIRCUITRY ON I-95 NORTH OF HOWARD AVE IS FED FROM 480 VOLT, 3 PHASE SERVICE LOCATED AT CANAL DOCK ROAD AT LONG WHARF DRIVE. EXISTING CIRCUITRY ON I-95 SOUTH OF HOWARD AVE. IS FED FROM A 480 VOLT, 3 PHASE SERVICE CABINET LOCATED ON KIMBERLY AVE.
8. FOR EXISTING ILLUMINATION AND CIRCUITRY SEE STATE PROJECTS: 138-187.
9. TEMPORARY LIGHT STANDARDS SHALL BE INSTALLED BEHIND PROTECTIVE BARRIER OR 2.2m BEHIND EDGE OF PAVEMENT.
10. INSTALL/ATTACH CABLE IN DUCT TO BACKFACE OF TEMPORARY PRE-CAST CONCRETE BARRIER CURB TO MAINTAIN TEMPORARY LIGHTING CIRCUITRY WHEN FEASIBLE TO REDUCE OVERHEAD LINES. (SEE M&P OF TRAFFIC SPECIAL PROVISIONS)
11. INSTALL CABLE IN DUCT ON TEMPORARY PRE-CAST CONCRETE BARRIER CURB AS PER ALL SAFETY REQUIREMENTS AND APPLICABLE REGULATIONS.
12. SEE PERMANENT ILLUMINATION PLANS FOR LOCATIONS OF PERMANANT CONDUIT, HANDHOLES, LUMINAIRES & STANDARDS UTILIZED DURING STAGE CONSTRUCTION.

*BASE PLATE HOLES TO BE FIELD DRILLED



TEMPORARY LIGHT STANDARD ATTACHMENT BRACKET DETAIL

TEMPORARY ILLUMINATION LEGEND

- TEMPORARY ILLUMINATION UNIT (FIBERGLASS POLE W/250W ROADWAY LUMINAIRE)
- EXISTING LIGHT STANDARD
- PERMANENT LIGHT STANDARD - 750 WATT, H.P.S.
- OVERHEAD AERIAL/BARRIER MOUNTED CABLE (3 #2, 1 #8 GROUND)

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| DESIGNER: R. P. TALBOT | | | PROJECT TITLE: RECONSTRUCTION OF I-95 OVER WEST RIVER | TOWN: NEW HAVEN / WEST HAVEN | PROJECT NO.: 92-522 |
| DRAFTER: M.C. DEEGAN | | | ENGINEER: PB AMERICAS, INC. | DRAWING TITLE: STAGE CONSTRUCTION ILLUMINATION NOTES | DRAWING NO.: E-18 |
| CHECKED BY: | | APPROVED BY: | CADD: I18-092522.dgn | SHEET NO.: | |
| DATE CHECKED: | | DATE: | PLOTTED: 11/13/2012 | | |
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