

CONSTRUCTION NOTES

THE CONTRACTOR SHALL MAINTAIN THE OPERATION OF THE CAMERA (CCTV) 21 AT ALL TIMES.

THE CONTRACTOR SHALL CONTACT ANTHONY COLANGELO, (860) 594-3450, CONNDOT HIGHWAY OPERATIONS AT LEAST 48 HOURS PRIOR TO THE REMOVAL AND RELOCATION OF THE CONDUIT RUN FOR CCTV 21.

THE CONTRACTOR SHALL BE PERMITTED TO REMOVE THE ELECTRICAL SERVICE AND FIBER OPTIC CABLE FOR A PERIOD OF NOT MORE THAN TWO (2) WORK DAYS, WHILE THE CONDUIT RUN FOR CCTV 21 IS RELOCATED.

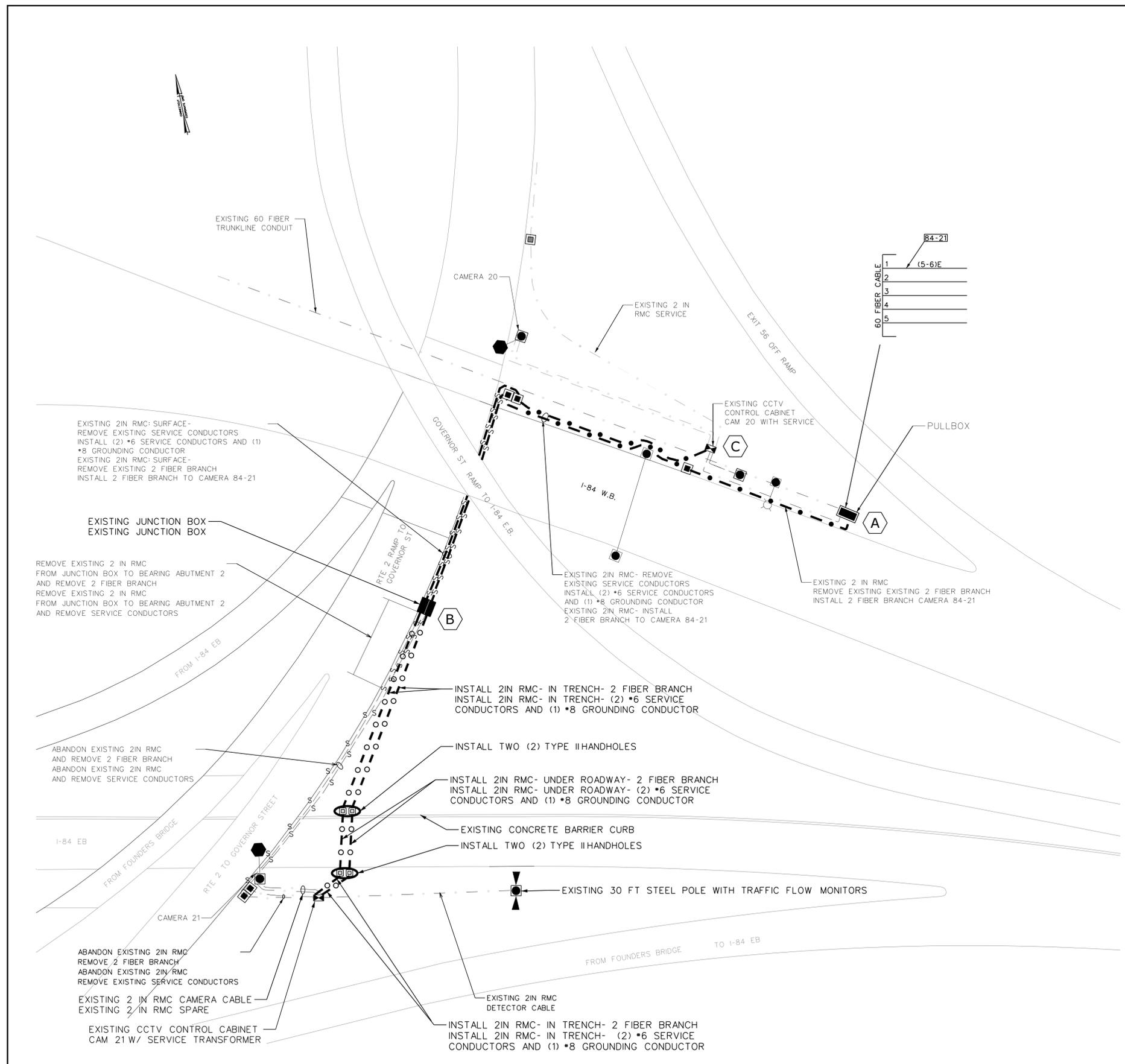
IN ORDER TO MINIMIZE THE DOWNTIME OF CCTV 21, THE CONTRACTOR SHALL COMPLETE THE INSTALLATION OF ALL WORK THAT WILL NOT INTERFERE WITH THE EXISTING CCTV 21 OPERATION.

RECOMMENDED SEQUENCE OF CONSTRUCTION:

- INSTALL FOUR (4) TYPE II HANDHOLES.
- INSTALL TWO (2) 2IN RMC FROM JUNCTION BOX TO HANDHOLE.
- INSTALL TWO (2) 2IN RMC UNDER ROADWAY FROM HANDHOLE TO HANDHOLE.
- INSTALL TWO (2) 2IN RMC FROM HANDHOLE TO CCTV CONTROL CABINET.
- DURING APPROVED DOWNTIME, REMOVE FIBER OPTIC AND ELECTRIC SERVICE CABLES AND ABANDON SURFACE MOUNTED CONDUITS.
- DURING APPROVED DOWNTIME, REMOVE FIBER OPTIC AND ELECTRIC SERVICE CABLES FROM JUNCTION BOX TO PULL BOX AND SERVICE TRANSFORMER ON CABINET.
- INSTALL NEW FIBER OPTIC CABLE FROM PULLBOX TO CCTV CONTROL CABINET WITH SERVICE TRANSFORMER.
- INSTALL ELECTRIC SERVICE CABLE FROM SERVICE TRANSFORMER ON CABINET TO CCTV CONTROL CABINET WITH SERVICE TRANSFORMER.

SERVICE CONDUCTORS SHALL BE SINGLE CONDUCTOR, STRANDED COPPER, INSULATION TYPE XHHW AND RATED FOR 600 VOLTS.

- (A)** SPLICE 2 FIBER BRANCH CABLE FOR CAMERA 84-21 TO EXISTING 60 FIBER TRUNKLINE CABLE.
- (B)** CAP ANY OPEN HOLES IN JUNCTION BOX 3.
- (C)** TERMINATE SERVICE CONDUCTORS IN CAMERA 20 CABINET.



REV.	DATE	REVISION DESCRIPTION	SHEET NO.
1	10-10	REVISED DIMENSIONS ON THE SURFACE MTD CONDUIT DETAILS	

Plotted Date: 11/19/2014

DESIGNER/DRAFTER:
A. COLANGELO
CHECKED BY:
R. KENNEDY

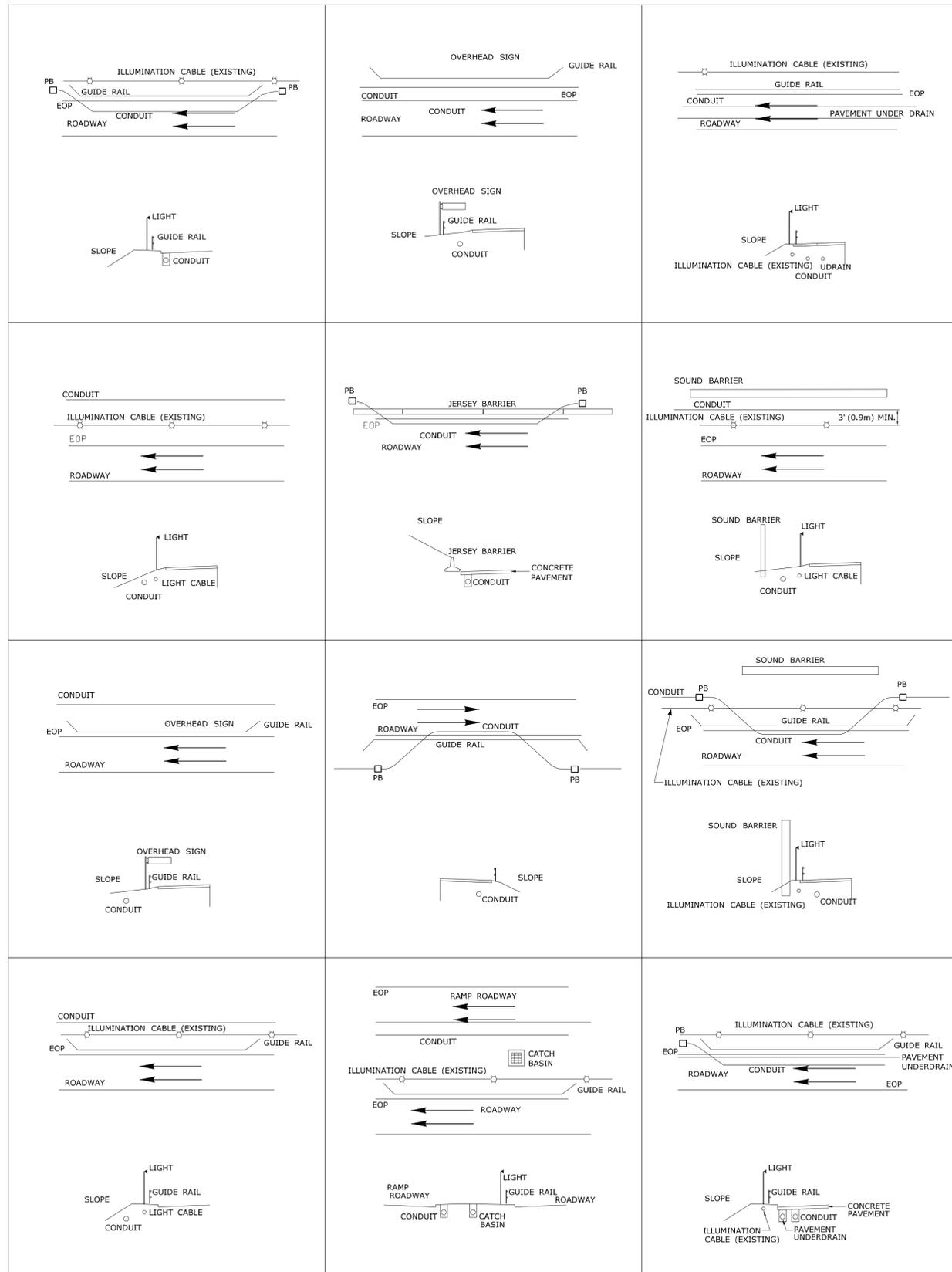


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OFFICE OF ENGINEERING
APPROVED BY: DATE:

PROJECT TITLE:
**SR 500 TR 801 OVER
I-84 EB AND I-84 TR 833**

TOWN:
EAST HARTFORD
DRAWING TITLE:
IMS PLAN

PROJECT NO.
042-305
DRAWING NO.
IMS-02
SHEET NO.
02.06.02



GENERAL NOTES:

1. THE LIMITS OF WORK FOR THIS PROJECT SHALL BE AS DETAILED IN THE SPECIAL PROVISIONS AND SHOWN ON THE CONDUIT PLANS.
2. CLEAR AND THIN VEGETATION IN AREAS INDICATED TO PROVIDE MAXIMUM VISIBILITY OF ADJACENT CAMERAS.
3. SURFACE MOUNTED CONDUIT SHALL BE MOUNTED ON STRUCTURE SURFACE, PARAPET, ABUTMENT OR PIER WALLS. IN-STRUCTURE CONDUIT SHALL BE THAT CONDUIT INSTALLED UNDER THE BRIDGE DECK AND WITHIN THE GIRDERS. SUPPORTED FIBER OPTIC CABLE SHALL BE STRAPPED TO EXISTING SURFACE MOUNTED OR IN-STRUCTURE CONDUIT.
4. THE CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING, VERIFYING AND PROTECTING ALL UTILITIES, BELOW AND ABOVE GROUND. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" AND ALL UTILITIES WITHIN THE TOWNS ALONG THE PROJECT CORRIDOR. THE CONTRACTOR SHALL ALSO CONTACT D.O.T. DISTRICT ELECTRICAL TO MARK OUT THE UNDERGROUND ILLUMINATION CONDUIT AND APPURTENANCES AND MS. JACQUELINE HENRY-RAFIG OF PLANNING INVENTORY AND DATA AT 860-594-2165 TO MARK OUT TRAFFIC MONITORING STATION.
5. IN AREAS WHERE THE MAINLINE CONDUIT CROSSES THE EXISTING ILLUMINATION DUCT, THE CONTRACTOR WILL BE REQUIRED TO HAND EXCAVATE. THE MAINLINE CONDUIT WILL BE INSTALLED AT A SUFFICIENT DEPTH BELOW THE ILLUMINATION DUCT. ANY DAMAGE CAUSED TO THE ILLUMINATION AND TRAFFIC MONITORING STATIONS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. MARK OUT OF THE ILLUMINATION AND TRAFFIC MONITORING STATIONS WILL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY.
6. THE CONTRACTOR SHALL CONTACT MR. JAMES GANNON OF HIGHWAY OPERATIONS AT 203-673-7373 ONCE THE LOCATIONS OF THE PULLBOXES AND VAULTS ARE STAKED, FOR APPROVAL. THE LOCATIONS OF THESE ITEMS ARE SHOWN FOR ILLUSTRATION PURPOSES ONLY, AND SHALL BE ADJUSTED FOR FIELD CONDITIONS.
7. IT IS NOT THE INTENT OF THESE DRAWINGS TO INCLUDE EVERY DETAIL OF THE 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 TO BE PERFORMED BY THE CONTRACTOR TO PERFORM THE WORK, ARE TO BE INCLUDED AS PART OF THE CONTRACTOR'S WORK.
8. THE CONDUIT IN TRENCH SHALL BE 4" (100) SCHEDULE 40 PVC UNLESS OTHERWISE NOTED ON THE PLANS. ALL CONDUIT UNDER ROADWAYS SHALL BE RIGID METAL. SURFACE MOUNTED OR IN-STRUCTURE CONDUIT SHALL BE RMC OR FIBERGLASS CONDUIT AS NOTED. MAINLINE CONDUIT SHALL BE DEFINED AS THAT WHICH WILL CARRY FIBER OPTIC COMMUNICATION CABLE WITHIN THE PROJECT LIMITS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADHERENCE TO ALL "CALL BEFORE YOU DIG" LOCATION RULES AND REQUIREMENTS PRIOR TO EXCAVATION.
10. THESE PLANS DEPICT THE INSTALLATION OF A 4" (100) MULTI-DUCT CONDUIT TO ACCOMMODATE A FUTURE FIBER OPTIC CABLE AS WELL AS 2" (50) BRANCH CONDUIT OVERLAPS WITHIN THE SAME TRENCH AS THE 4" (100) MAINLINE CONDUIT.
11. THE INSTALLATION OF 4" (100) CONDUIT SHALL INCLUDE AN EXPANSION COUPLING AT EACH BRIDGE JOINT AS NOTED IN THE APPROPRIATE DETAILS.
12. AT ALL RAMP CROSSINGS, THE RMC SHALL BE INSTALLED ACROSS THE ROADWAY IN THE STRAIGHTEST MANNER POSSIBLE.
13. ALL PROPOSED HANDHOLES SHALL BE TYPE II, EXCEPT WHERE NOTED.
14. AT SPECIFIED LOCATIONS SHOWN ON THE PLANS, THE 4" (100) MAINLINE CONDUIT WILL SHARE THE MAINLINE CONDUIT TRENCH WITH A 2" (50) RIGID METAL CONDUIT (RMC) FOR THE BRANCH CONDUIT OVERLAP RUNS. THESE 2" (50) BRANCH CONDUITS WILL SERVE AS FUTURE SERVICE CONNECTIONS FOR CCTV AND VMS LOCATIONS, TERMINATING AT PULLBOXES AND TYPE II CONCRETE HANDHOLES.

TYPICAL CROSS SECTION NOTES:

THESE TYPICAL PLAN AND CROSS SECTION DETAILS ARE DRAWN NOT TO SCALE AND PROVIDED FOR INFORMATIONAL PURPOSES ONLY. THESE DETAILS DO NOT NECESSARILY REFLECT ALL OF THE SITE CONDITIONS IN THE PROJECT AREA. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE FIELD CONDITIONS AND SELECTING THE APPROPRIATE DETAIL FOR INSTALLATION OF THE CONDUIT.

LEGEND

- PB □ CONCRETE PULLBOX
- JB □ CAST IRON JUNCTION BOX - SIZE AS INDICATED
- V □ CONCRETE VAULT
- CONCRETE HANDHOLE TYPE II
- 2" (50) RMC OR 4" (100) PVC (MULTIDUCT)
- 2" (50) RMC OR 4" (100) RMC UNDER ROADWAY (MULTIDUCT)
- S-S-S- 2" (50) RMC OR 4" (100) RMC OR FIBERGLASS SURFACE & IN-STRUCTURE MOUNTED (MULTIDUCT)
- EXISTING LUMINAIRE
- EXISTING CATCH BASIN
- EXISTING CONCRETE HANDHOLE
- EXISTING GUIDE RAIL

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Plotted Date: 11/19/2014

DESIGNER/DRAFTER:
A. COLANGELO
CHECKED BY:
R. KENNEDY



SIGNATURE/
BLOCK:
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OFFICE OF ENGINEERING
APPROVED BY: DATE:

PROJECT TITLE:
**SR 500 TR 801 OVER
I-84 EB AND I-84 TR 833**

TOWN:
EAST HARTFORD
DRAWING TITLE:
**TYPICAL SECTIONS
GENERAL NOTES**

PROJECT NO.
042-305
DRAWING NO.
IMS-03
SHEET NO.
02.06.03

CONDUIT SUPPORT INSTALLATION SEQUENCE:

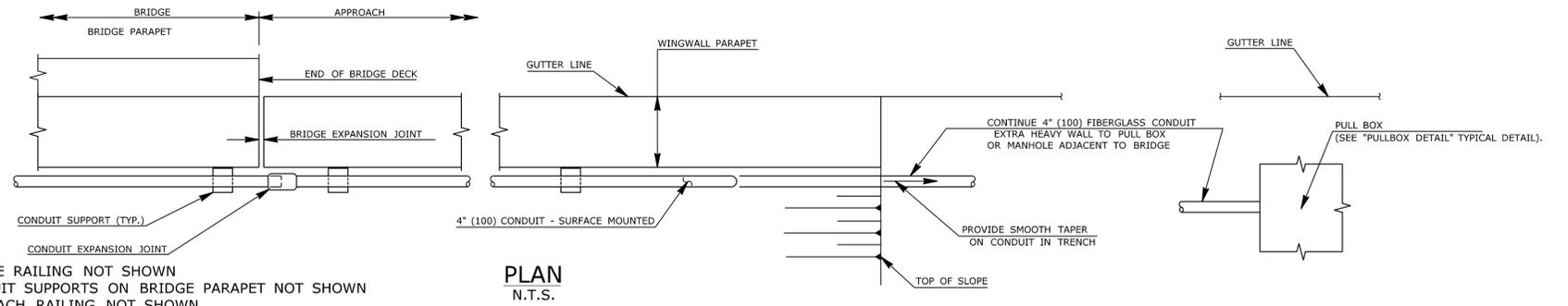
A. MOUNT CONDUIT SUPPORTS ON EXISTING BRIDGES AND WALLS. PLACE SUPPORTS ACCORDING TO MOUNTING LAYOUTS AND DETAILS AS SHOWN. DRILL HOLES IN EXISTING STRUCTURES ACCORDING TO "FIELD FASTENER NOTES" AND "STRUCTURAL NOTES".

B. FASTEN CONDUIT TO SUPPORTS WITH U-BOLTS.

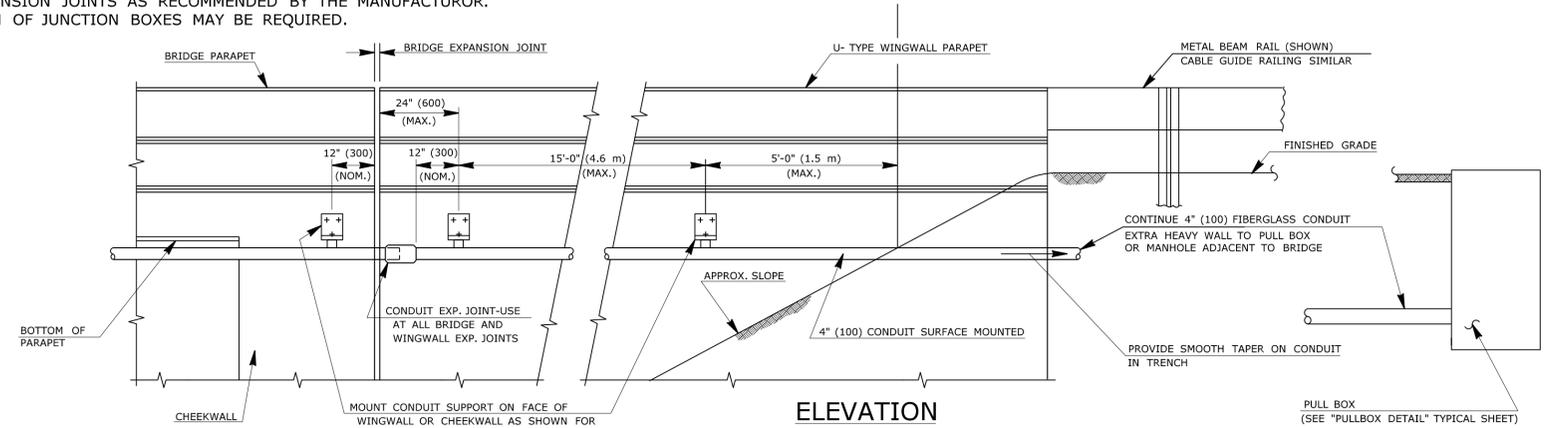
4" (100) SURFACE MOUNTED CONDUIT SUPPORT SPACING NOTES:

A. SPACE CONDUIT SUPPORTS AT 14'-9" (4.5 m) O.C. MAXIMUM FOR STRUCTURE MOUNTED 4" (100) CONDUIT - SURFACE MOUNTED AS SHOWN ON THE DETAILS AND AS DIRECTED BY THE ENGINEER.

B. ADDITIONAL CONDUIT SUPPORTS ARE REQUIRED AT LOCATIONS OF EXPANSION FITTINGS AND FIXED AND FLEXIBLE SWEEP BENDS AS SHOWN ON THE DETAILS OR AS DIRECTED BY THE ENGINEER.

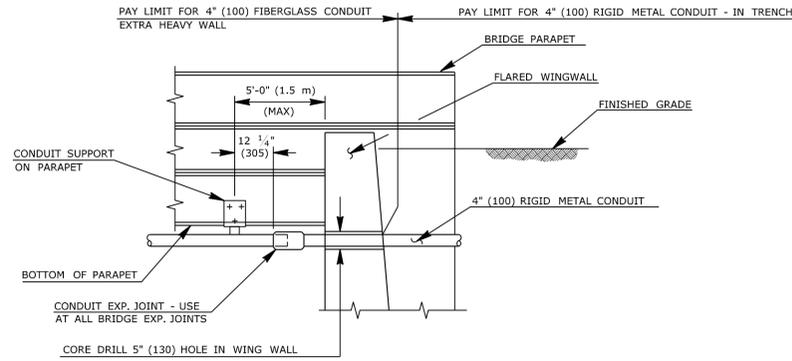


- NOTES:**
- BRIDGE RAILING NOT SHOWN
 - CONDUIT SUPPORTS ON BRIDGE PARAPET NOT SHOWN
 - APPROACH RAILING NOT SHOWN
 - INSTALL EXPANSION JOINTS AS RECOMMENDED BY THE MANUFACTURER.
 - INSTALLATION OF JUNCTION BOXES MAY BE REQUIRED.



NOTE:
MOUNT CONDUIT ON WING WALLS AT SAME POSITION AS CONDUIT ON PARAPET

U - TYPE WINGWALL CONDUIT - PARAPET TO FILL
N.T.S.



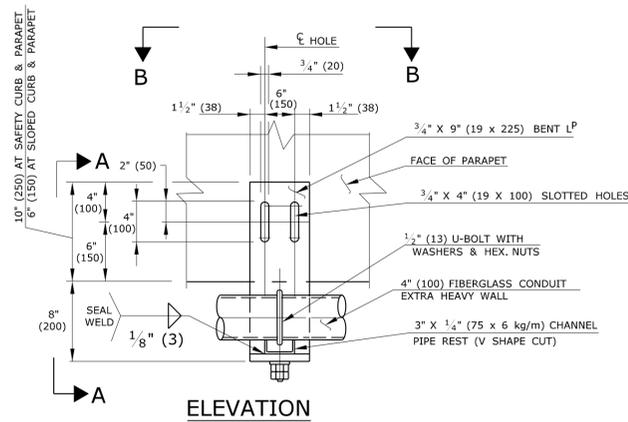
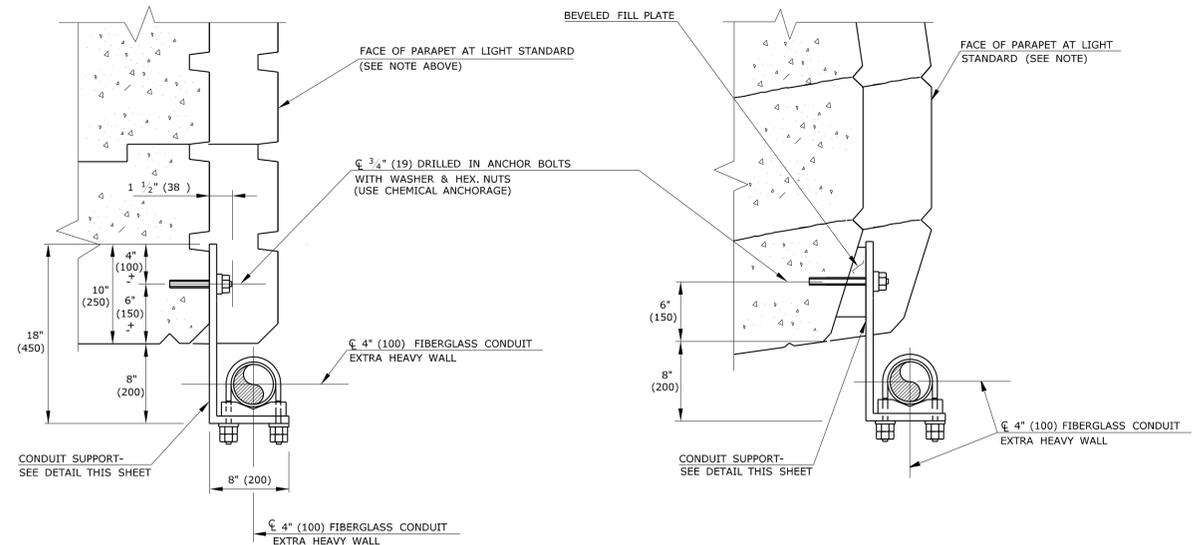
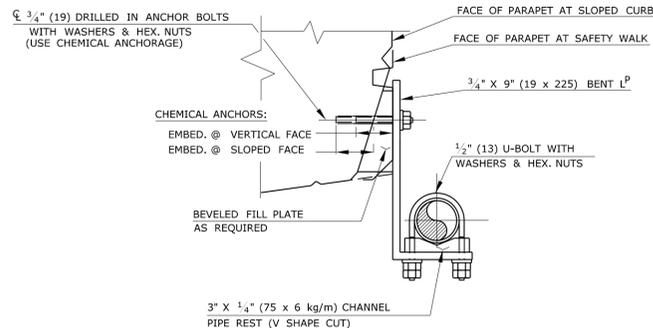
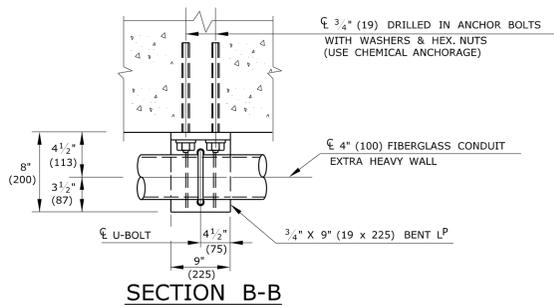
NOTE:
BRIDGE RAILING & APPROACH RAILING NOT SHOWN.

NOTES:

- DETAILS SHOWN AT PARAPET, ATTACHMENT SIMILAR ON WALLS.
- PROVIDE 3/4" (19) DIA. HOLES FOR 5/8" (16) DIA. BOLTS AND U-BOLTS IN CONDUIT SUPPORT AND CHANNEL PIPE REST.
- MATERIAL FOR THREADED ANCHORS, NUTS, AND WASHERS FOR DRILLING AND CHEMICAL ANCHORING IN EXISTING CONCRETE ELEMENTS SHALL BE STAINLESS STEEL. ANCHORS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A193(M), CLASS 2, GRADE B8M (TYPE 316). WASHERS SHALL CONFORM TO ASTM A276(M), TYPE 316, ANNEALED.

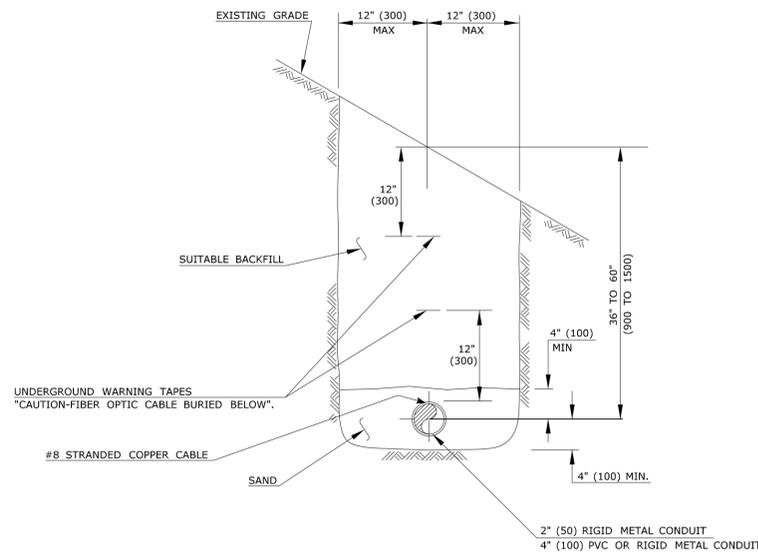
NOTE:

- FACE OF PARAPET AT LIGHT STANDARDS SHOWN TO ILLUSTRATE CONDUIT MOUNTED TO CLEAR WIDENED PARAPET, DETAIL AT PARAPET MOUNTED SIGN SUPPORTS AND NOISE BARRIER WALLS, ETC. SIMILAR.



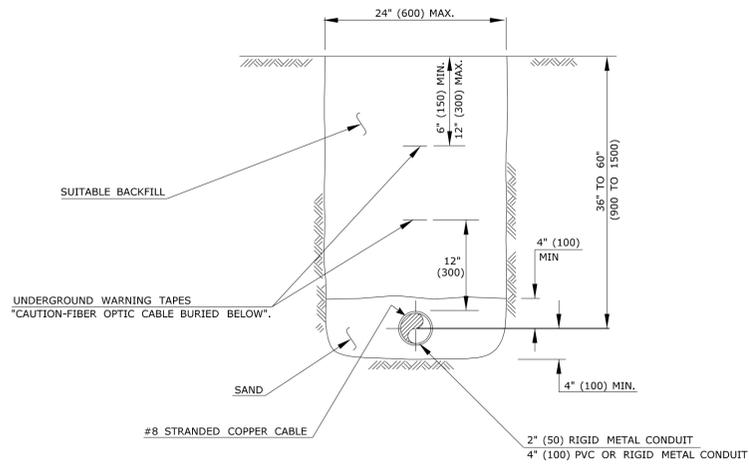
4" (100) SURFACE MOUNTED CONDUIT SUPPORT DETAILS
CONDUIT SUPPORT SPACING: SPACE 4" (100) CONDUIT SUPPORTS AT 14 3/4' (4.5 m) O.C. MAXIMUM.

1 10-10 REVISED DIMENSIONS ON THE SURFACE MTD CONDUIT DETAILS REV. DATE REVISION DESCRIPTION SHEET NO.	THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.	DESIGNER/DRAFTER: A. COLANGELO		SIGNATURE/ BLOCK: 	PROJECT TITLE: SR 500 TR 801 OVER I-84 EB AND I-84 TR 833	TOWN: EAST HARTFORD	PROJECT NO. 042-305
		CHECKED BY: R. KENNEDY		APPROVED BY: DATE: 		DRAWING TITLE: U-TYPE & FLARED WINGWALL CONDUIT PARAPET MTG, CONDUIT SUPPORT & ATTCHMENTS	SHEET NO. IMS-04 02.06.04

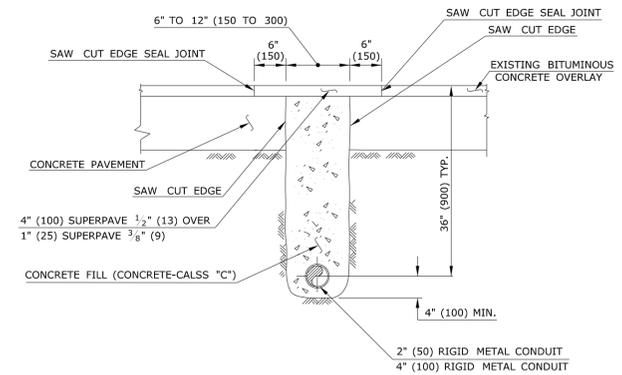


CONDUIT IN SLOPED EARTH

NOTE: IN SLOPES STEEPER THAN 1:2, CONDUIT SHALL HAVE A MINIMUM COVER OF 24" (600) PERPENDICULAR TO THE SLOPE.

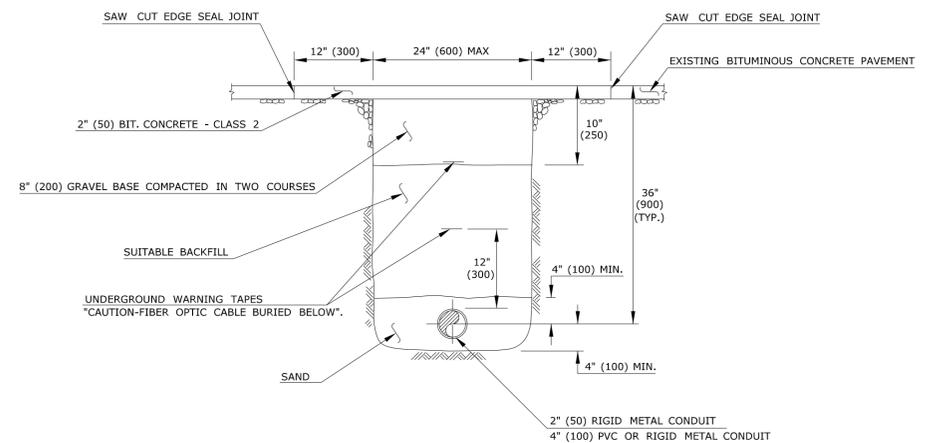


CONDUIT IN LEVEL EARTH

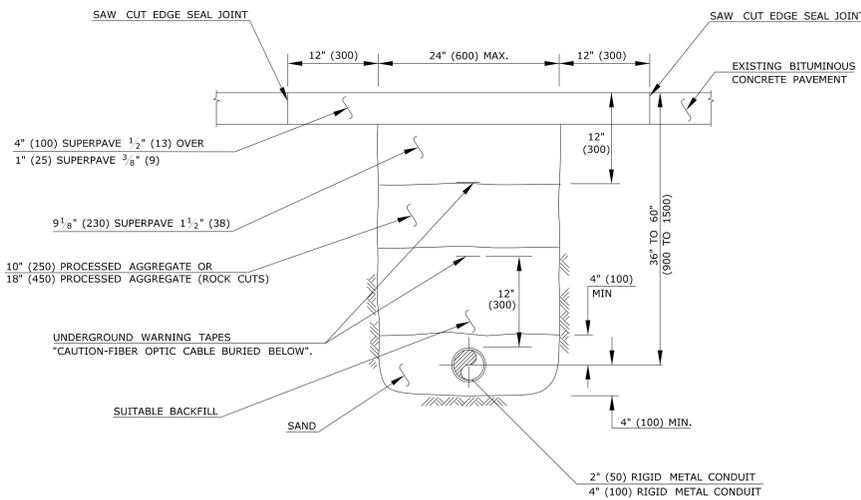


R.M.C. UNDER BITUMINOUS CONCRETE OVERLAYED CONCRETE PAVEMENT

NOTE: USE SUPERPAVE LAYERS AS SHOWN OR AS DIRECTED BY THE ENGINEER

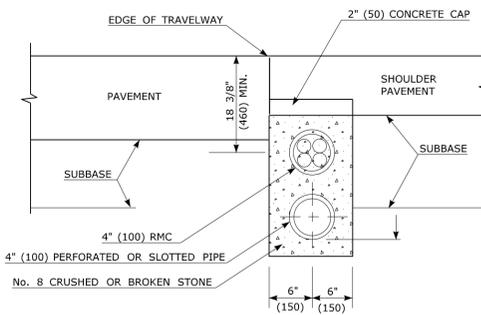


R.M.C. UNDER BITUMINOUS CONCRETE SIDEWALK OR DRIVEWAY

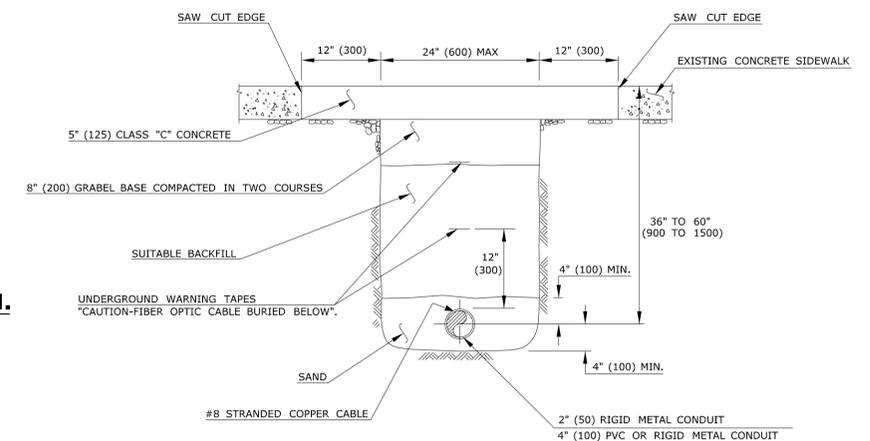


R.M.C. UNDER BITUMINOUS CONCRETE PAVEMENT

NOTE: USE SUPERPAVE LAYERS AS SHOWN OR AS DIRECTED BY THE ENGINEER



TYPICAL CONDUIT INSTALLATION IN AREAS OF PAVEMENT EDGE DRAIN OR UNDERDRAIN.



CONDUIT UNDER CONCRETE SIDEWALK

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D.K. SWINBURNE

CHECKED BY:
R.A. KENNEDY



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APPROVED BY: *[Signature]* DATE:

PROJECT TITLE:
SR 500 TR 801 OVER I-84 EB AND I-84 TR 833

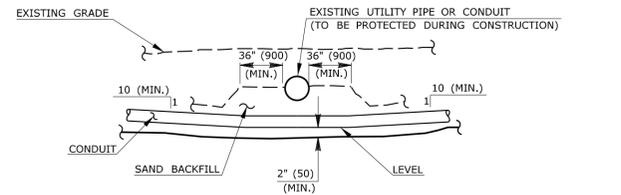
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EAST HARTFORD

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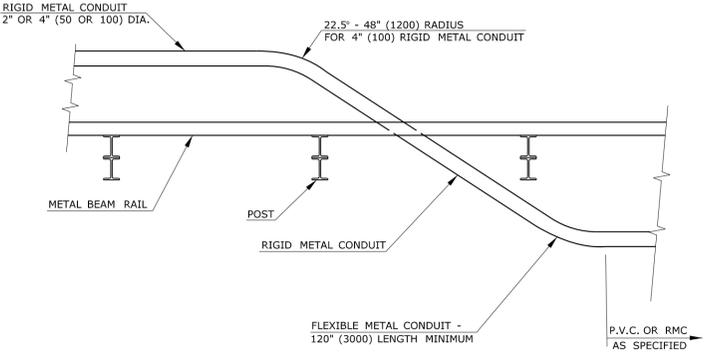
PROJECT NO.
042-305

DRAWING NO.
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02.06.05

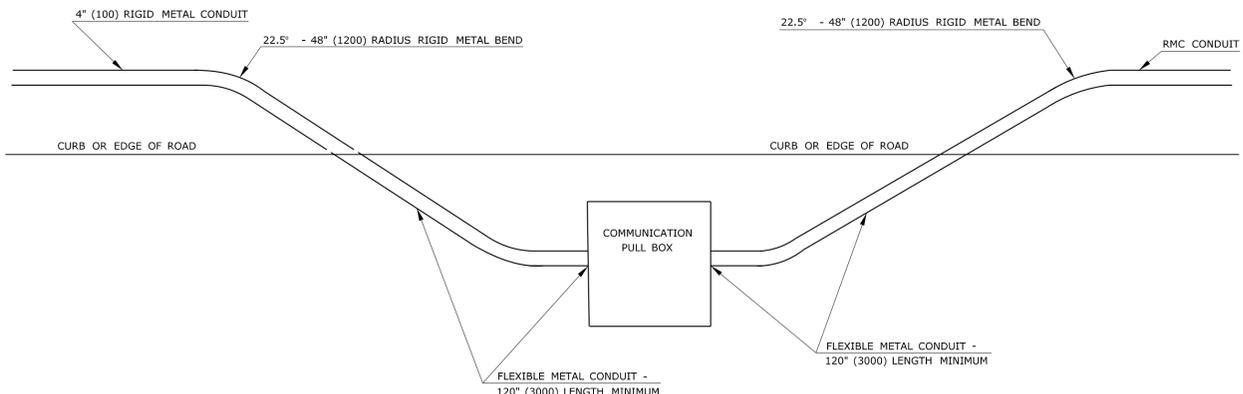


CONDUIT CROSSING UNDER EXISTING UTILITY



NOTES:
 CONTRACTOR TO RESTORE AREAS DISTURBED BY TRENCH TO ORIGINAL CONDITION.
 CONTRACTOR SHALL INSTALL CONDUIT AT A MINIMUM DEPTH OF 40" (1000).
 CONTRACTOR SHALL BE RESPONSIBLE FOR ASSURING THAT CONDUIT WILL NOT CONFLICT WITH UNDERGROUND UTILITIES.

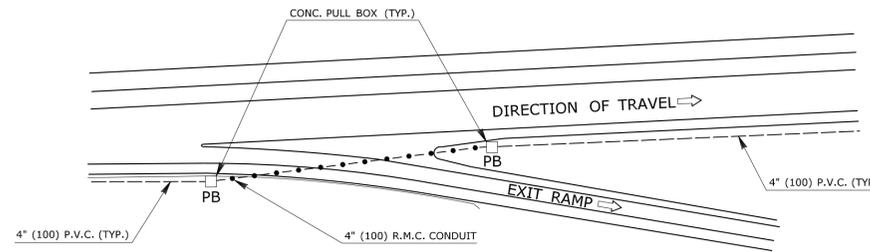
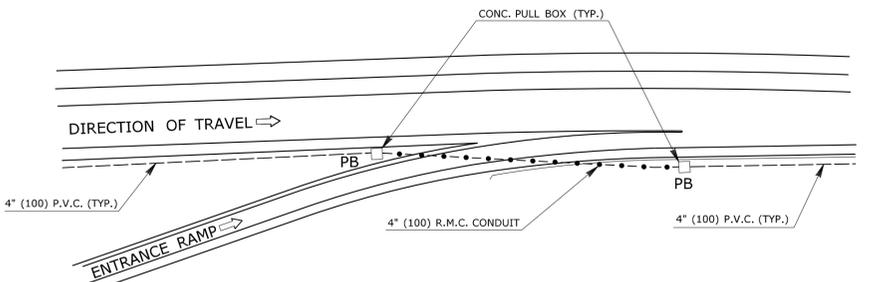
TYPICAL GUIDE RAIL CROSSING



NOTE:
 THE CONTRACTOR SHALL BE REQUIRED TO INSTALL A MINIMUM OF 120" (3000) OF FLEXIBLE CONDUIT ON EACH SIDE OF THE PULLBOX. THIS IS REQUIRED TO INSURE THAT THE INNERDUCTS ENTERING AND EXITING THE PULLBOX WILL LINE UP AND BE PERPENDICULAR TO THE SIDEWALL OF THE PULLBOX.

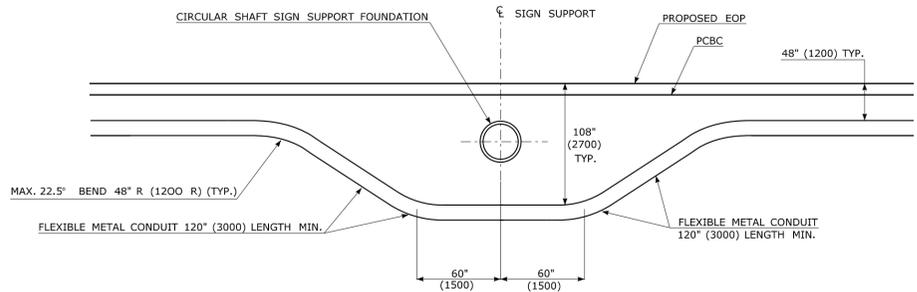
THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT THE RADIUS OF THE INSTALLED FLEXIBLE METAL PIPE IS GREATER THAN THE MINIMUM ALLOWED FOR THE FIBER OPTIC CABLE.

TYPICAL PULLBOX INSTALLATION - CONDUIT UNDER ROADWAY



NOTES:
 PULLBOXES SHALL BE INSTALLED AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
 PULLBOXES SHALL BE ORIENTED TO PROVIDE THE STRAIGHTEST POSSIBLE PULL IN THE CABLE.

TYPICAL RAMP CROSSING



4" (100) CONDUIT TREATMENT AT SIGN SUPPORT

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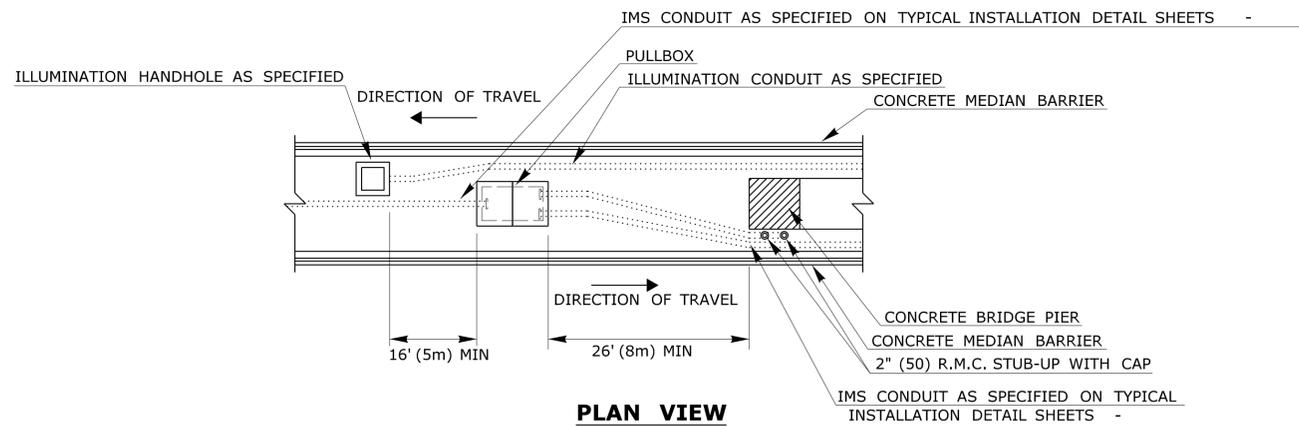
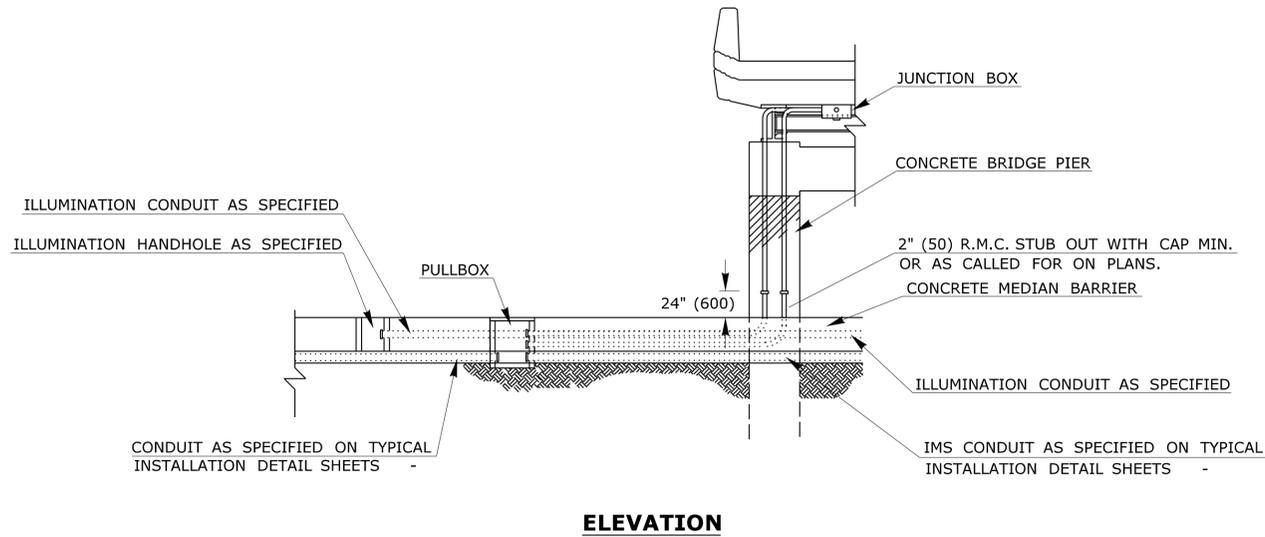
PROJECT TITLE:
SR 500 TR 801 OVER I-84 EB AND I-84 TR 833

TOWN:
EAST HARTFORD
 DRAWING TITLE:
TYPICAL IMS CONDUIT CROSSING DETAILS

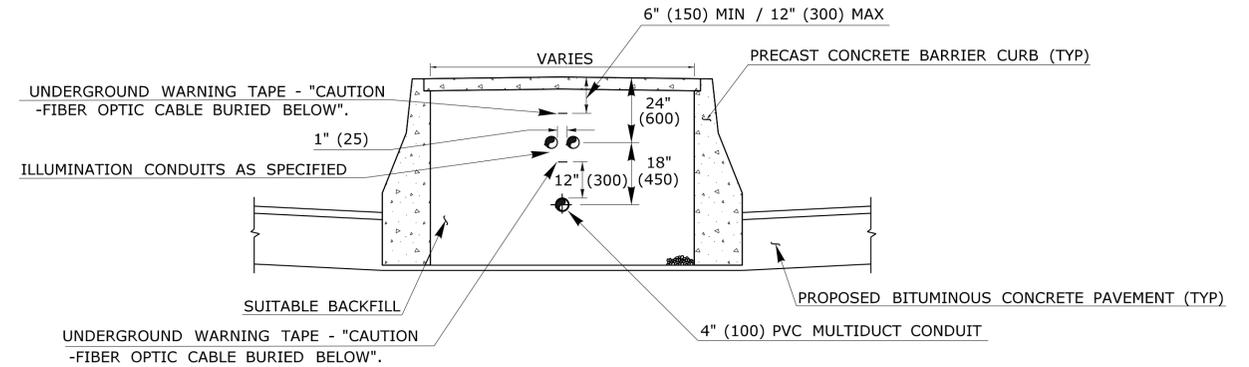
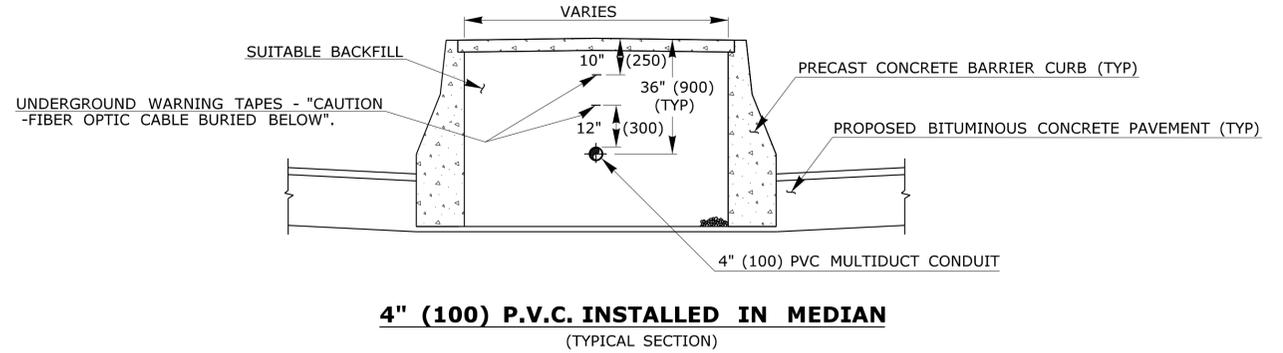
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 SHEET NO.
02.06.07

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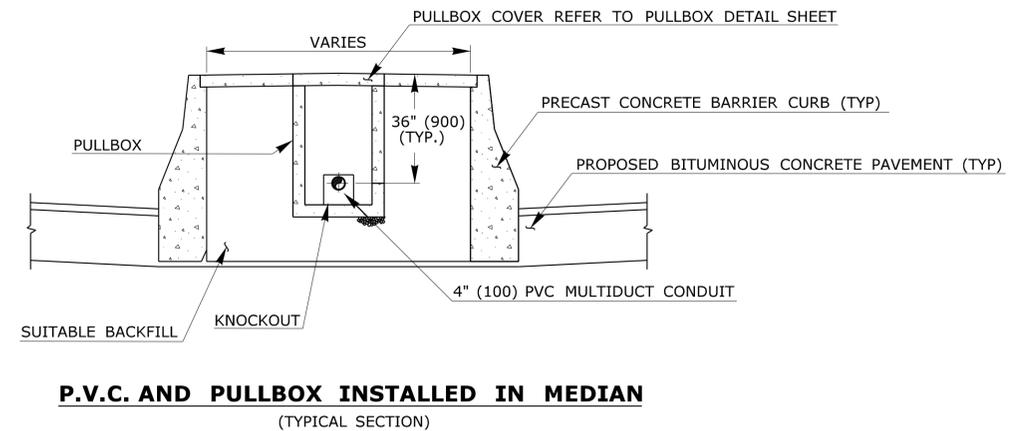
1. THE DETAIL PROVIDED PRESENTS A TYPICAL MEDIAN CROSS-SECTION. FOR MORE DETAILS, REFER TO CIVIL DRAWINGS.
2. FOR DETAILS ON CONDUIT ATTACHMENT TO UNDERSIDE OF BRIDGE, REFER TO THE TYPICAL INSTALLATION DETAIL SHEETS - .



CONDUIT INSTALLATION ADJACENT TO BRIDGE PIER



4" (100) P.V.C. INSTALLED IN MEDIAN WITH ILLUMINATION CONDUIT



P.V.C. AND PULLBOX INSTALLED IN MEDIAN (TYPICAL SECTION)

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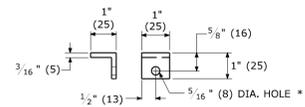


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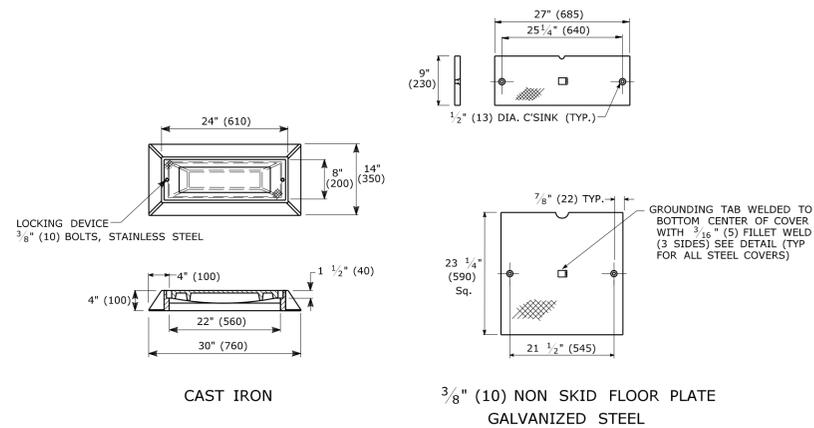
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TYPICAL IMS CONDUIT MEDIAN DETAILS

PROJECT NO.
042-305
DRAWING NO.
IMS-08
SHEET NO.
02.06.08



* NOTE:
ATTACH 6' (2 m) LENGTH OF NO. 8 GROUND WIRE TO GROUNDING TAB WITH ONE HOLE LUG, 1/4"-20 X 3/4" (M6 X 20) LG. SST HEX HEAD BOLT, AND SST FLAT WAHSER. ATTACH FREE END OF GROUND WIRE TO CONDUIT BONDING BUSHING IN HANDHOLE.

STEEL GROUNDING TAB



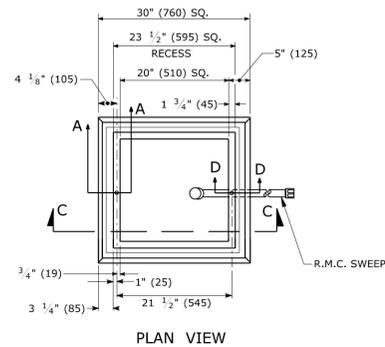
CAST IRON

3/8" (10) NON SKID FLOOR PLATE GALVANIZED STEEL

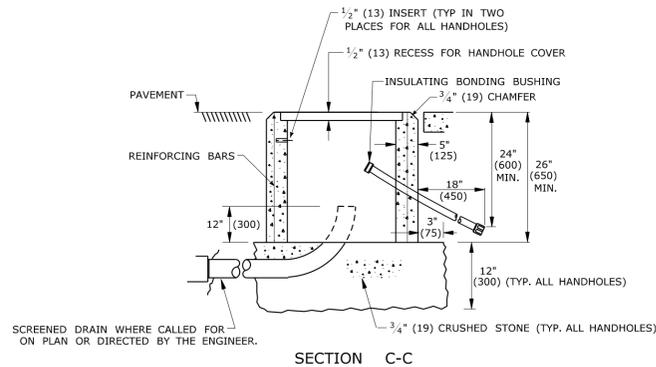
HANDHOLE COVERS

CONCRETE HANDHOLE NOTES:

- 1) BLOCK UNUSED OPENINGS OF HANDHOLE ON THE OUTSIDE WITH PRESSURE TREATED PLYWOOD.
- 2) GROUT AROUND ALL CONDUITS
- 3) USE 1 1/2" X 3/8" (40 X 10) CONCRETE INSERT. STANDARD THREAD, STAINLESS STEEL, FLAT HEAD BOLT, RECESSED IN PLATE COVER. INSERTS TO HAVE CLEANOUTS.
- 4) TYPE II HANDHOLE 30" (760) SIDE INSTALLED PARALLEL TO ROAD UNLESS OTHERWISE NOTED.
- 5) WHERE AN EXISTING CONCRETE SIDEWALK SLAB ABUTTING A HANDHOLE IS DAMAGED OR CUT DURING INSTALLATION THE ENTIRE SECTION SHALL BE REPLACED.
- 6) 12-#3 REINFORCING BARS REQUIRED FOR ALL HANDHOLES.



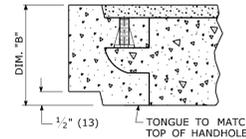
PLAN VIEW



SECTION C-C

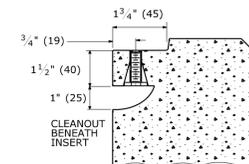
CONCRETE HANDHOLE CLASS "A" CONCRETE

DIM. "B" CHART	
ENGLISH HEIGHT	METRIC HEIGHT
2"	50
4" SHOWN	100
6"	150
12"	300

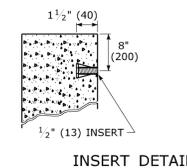


SECTION "A-A"

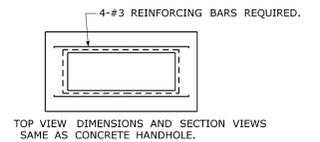
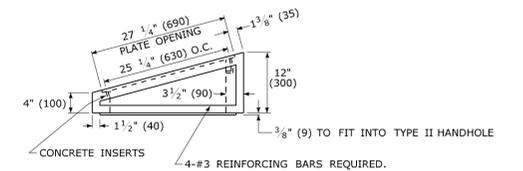
HANDHOLE EXTENSIONS
12 - #8 REINFORCING BARS REQ'D



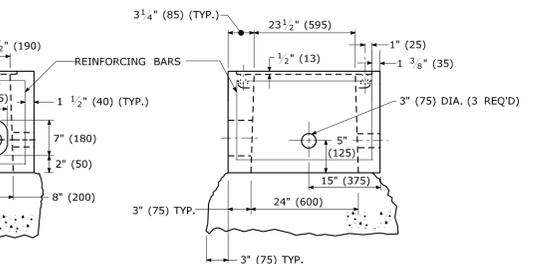
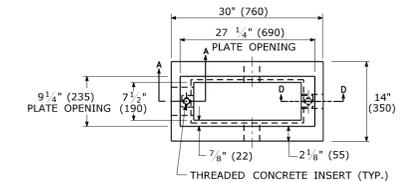
SECTION "D-D"



INSERT DETAIL



CONCRETE HANDHOLE TYPE II BANK ADAPTER



CONCRETE HANDHOLE TYPE II CLASS "C" CONCRETE

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER:
D.K. SWINBURNE
CHECKED BY:
R.A. KENNEDY

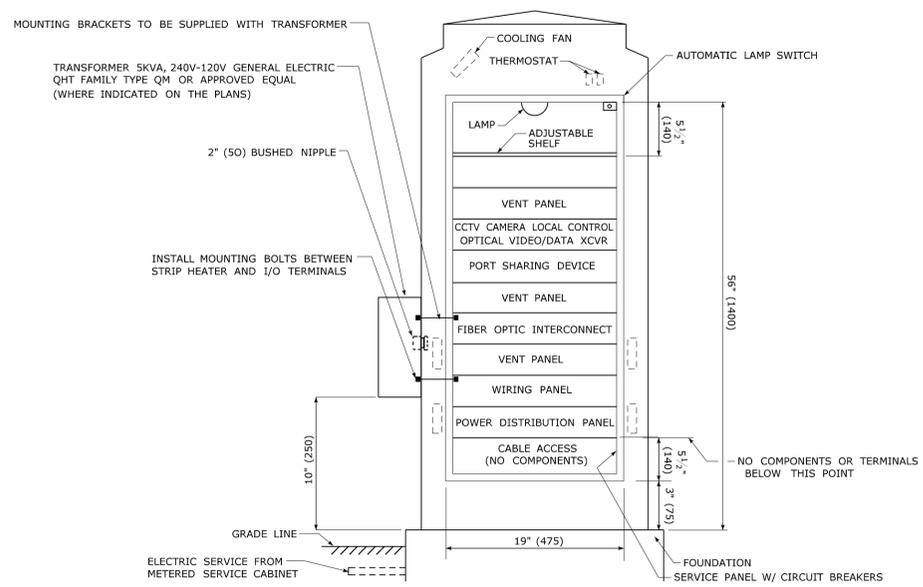


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OFFICE OF ENGINEERING
APPROVED BY: *[Signature]* DATE:

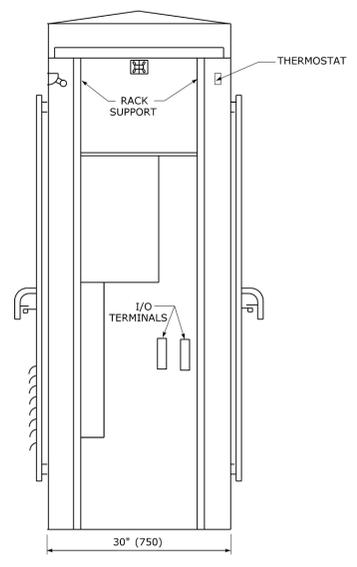
PROJECT TITLE:
SR 500 TR 801 OVER I-84 EB AND I-84 TR 833

TOWN:
EAST HARTFORD
DRAWING TITLE:
CONCRETE HANDHOLE DETAILS

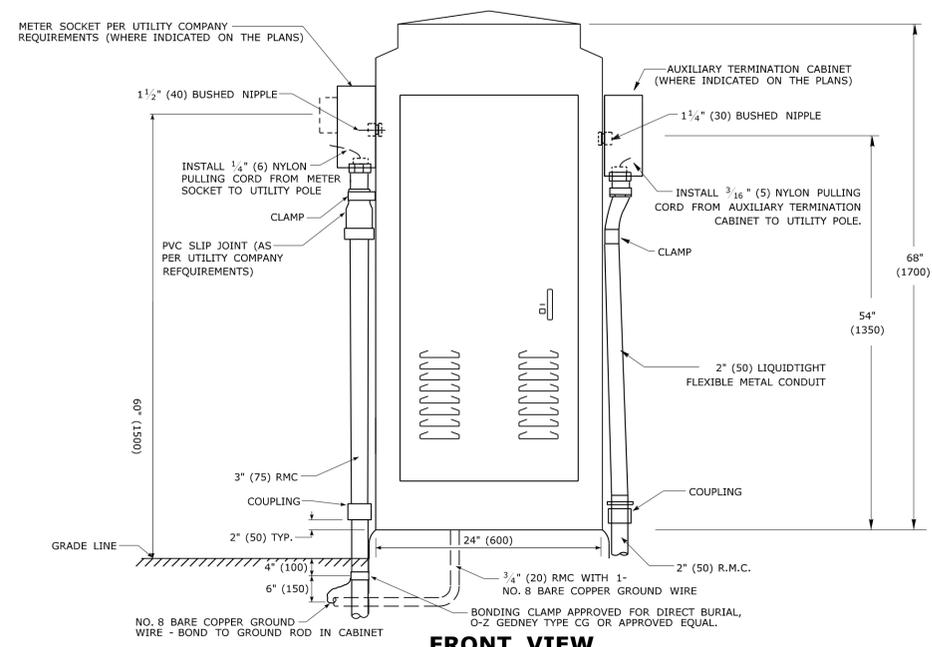
PROJECT NO.
042-305
DRAWING NO.
IMS-09
SHEET NO.
02.06.09



TRAFFIC MANAGEMENT SYSTEM CABINET (OPEN VIEW)



SIDE VIEW (WITH SIDE PANEL REMOVED)



FRONT VIEW

TRAFFIC MANAGEMENT SYSTEM CABINET AND MINI-HUB CABINET

TRAFFIC MANAGEMENT SYSTEM CABINET AND MINI-HUB CABINET NOTES:

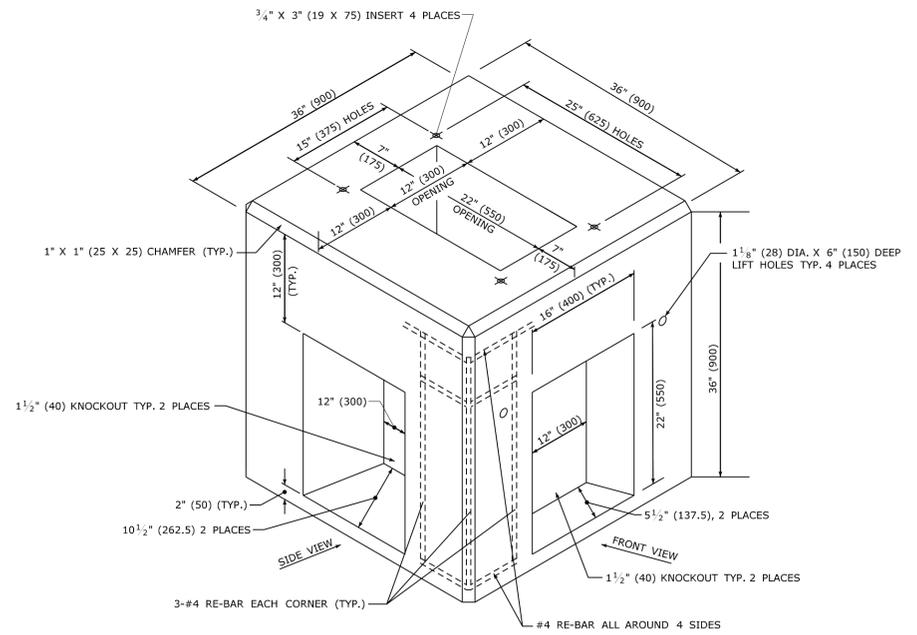
1. CAULK SEAM BETWEEN CABINET AND CONCRETE FOUNDATION.
2. INSTALL CONCRETE SIDEWALK ON FRONT AND BACK SIDE OF FOUNDATION, 36" X 36" (900 X 900), MIN. 4" (100) THICK PITCH SIDEWALK 1/4" PER FOOT (20 PER METER) AWAY FROM FOUNDATION AND INSTALL ON A MINIMUM 6" (150) GRAVEL OR MISCELLANEOUS AGGREGATE BASE, COMPACTED.
3. DUCT SEAL ALL CONDUITS THAT CONTAIN CABLE. CAP ALL UNUSED CONDUITS.
4. VERIFY ANCHOR BOLT PATTERN WITH CABINET MANUFACTURER.
5. FRONT CABINET DOOR TO OPEN FIELD SIDE.
6. CABINET TO BE 170 TYPE.
7. FIELD CABINET FOUNDATION TO SUPPORT TRAFFIC MANAGEMENT SYSTEM CABINET OR MINI HUB CABINET.
8. TRANSFORMER TO BE ATTACHED TO CABINET ON SAME SIDE AS METER LOCATION. CABINETS WITH METERS WHERE SHOWN ON SITE PLANS SHALL NOT REQUIRE TRANSFORMERS.
9. SERVICE PANEL W/ CIRCUIT BREAKERS.

TRAFFIC CONTROL FOUNDATION NOTES, GENERAL:

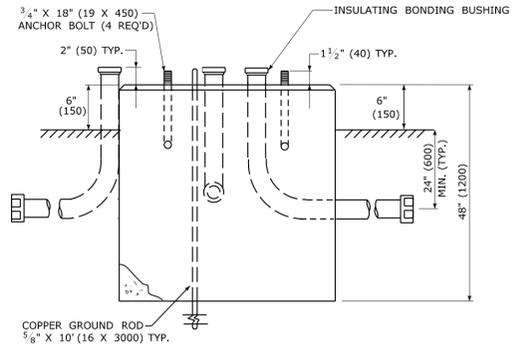
1. INSTALL FOUNDATION ON 6" (150) COMPACTED GRAVEL, IN ACCORDANCE WITH SECTION 2.14.
2. LEVEL FOUNDATION WITH A PROJECTION OF 6" (150) ABOVE FINISHED GRADE.
3. CONCRETE: CLASS "F" CONFORMING TO ARTICLE M. 03-01.
4. #4 RE-BAR, 2" (50) MIN. COVER AROUND ALL OPENINGS. 3 - #4 RE-BARS IN EACH CORNER.
5. CONDUITS SHALL NOT PROJECT MORE THAN 2" (50) ABOVE FOUNDATION.
6. INSTALL A MINIMUM OF ONE SPARE 2" (50) RMC SWEEP IN THE FOUNDATION. SPARE SWEEP SHALL EXTEND A MINIMUM OF 24" (600) OUTSIDE THE FOUNDATION.

TRAFFIC CONTROL FOUNDATION NOTES, PRE-CAST:

1. PLACE NO. 6 CRUSHED STONE IN THE CENTER OPENINGS AFTER THE CONDUITS AND GROUND ROD HAVE BEEN INSTALLED. THE OPENINGS SHALL BE CAPPED WITH A 2" (50) GROUT LEVEL WITH THE TOP OF THE FOUNDATION AND NEATLY FINISHED. THE GROUT SHALL CONFORM WITH THE REQUIREMENTS OF ARTICLE M. 03.01-12.
2. WEAKEN KNOCKOUT WALLS FOR PIPE INSTALLATION IN FIELD.
3. BOLT DOWN CABINET WITH 3/4" (19) HEX HEAD BOLTS 3" (75) LONG.
4. INSTALL A 5/8" X 10' (16 X 3000) COPPER GROUND ROD.



PRE-CAST



CAST IN PLACE

TRAFFIC CONTROL FOUNDATION - CONTROLLER - TYPE IV MODIFIED

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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DESIGNER/DRAFTER:
D.K. SWINBURNE
CHECKED BY:
R.A. KENNEDY

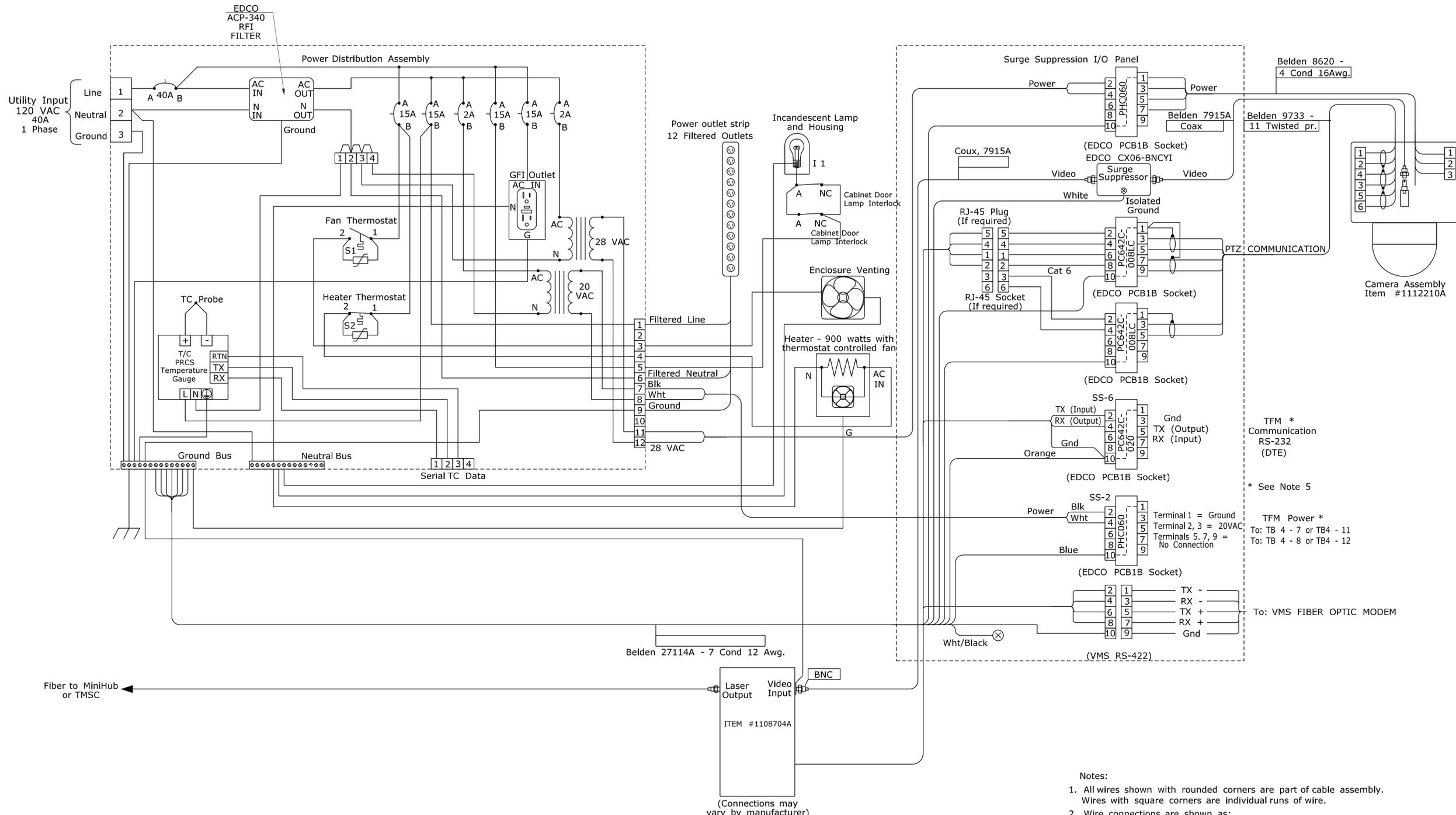


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OFFICE OF ENGINEERING
APPROVED BY: _____ DATE: _____

PROJECT TITLE:
SR 500 TR 801 OVER I-84 EB AND I-84 TR 833

TOWN:
EAST HARTFORD
DRAWING TITLE:
CAMERA CABINET DETAILS

PROJECT NO.
042-305
DRAWING NO.
IMS-10
SHEET NO.
02.06.10



TFM *
Communication
RS-232
(DTE)

* See Note 5

TFM Power *
To: TB 4 - 7 or TB4 - 11
To: TB 4 - 8 or TB4 - 12

To: VMS FIBER OPTIC MODEM

Notes:

- All wires shown with rounded corners are part of cable assembly. Wires with square corners are individual runs of wire.
- Wire connections are shown as:



Connections



No Connections
- All wires will be labeled to industry standards using slip on wire markers with both ends labeled to identify each end of the wire.
- This sheet is shown as typical. Actual wiring and layout is dependent on material submitted and approved.
- The wiring / surge suppression I/O panel shall be wired for a minimum

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 11/19/2014
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DESIGNER/DRAFTER:
D.K. SWINBURNE

CHECKED BY:
R.A. KENNEDY



SIGNATURE/
BLOCK:
[Signature]

OFFICE OF ENGINEERING

APPROVED BY: DATE:

PROJECT TITLE:
**SR 500 TR 801 OVER
I-84 EB AND I-84 TR 833**

TOWN:
EAST HARTFORD

DRAWING TITLE:
**VIDEO AND DATA INTERFACE
WIRING PANEL ASSEMBLY**

PROJECT NO.
042-305

DRAWING NO.
IMS-11

SHEET NO.
02.06.11