

CONSTRUCTION NOTES

THE EXISTING SERVICE CABINET WITH ALL INTERNAL EQUIPMENT SHALL BE REMOVED AND RELOCATED ONTO A NEW FOUNDATION AT THE LOCATION SHOWN ON THE PLAN. SEE ITEM NO. 1132001A RELOCATE INCIDENT MANAGEMENT SYSTEM.

THE CONTRACTOR SHALL MAINTAIN THE OPERATION OF THE CO-LOCATED PORTABLE VMS (PVMS) 214 AND CAMERA (CCTV) 148 AT ALL TIMES.

THE CONTRACTOR SHALL CONTACT ROBERT KENNEDY, CONNDOT HIGHWAY OPERATIONS AT LEAST 48 HOURS PRIOR TO THE REMOVAL AND RELOCATION OF THE EXISTING PVMS 214/ CCTV 148 SERVICE CABINET.

THE CONTRACTOR SHALL BE PERMITTED TO REMOVE THE ELECTRICAL SERVICE AND TELEPHONE SERVICE FOR A PERIOD OF NOT MORE THAN ONE (1) WORK DAY EIGHT (8) HOURS WHILE THE EXISTING IMS SERVICE CABINET IS REMOVED AND RELOCATED.

IN ORDER TO MINIMIZE THE DOWNTIME OF THE PVMS 214/ CCTV 148 DURING STAGE 2 CONSTRUCTION, THE CONTRACTOR SHALL COMPLETE THE INSTALLATION OF ALL WORK THAT WILL NOT INTERFERE WITH THE EXISTING PVMS OPERATION INCLUDING THE FOLLOWING:

- THE SNET POLE 9417 AND SNET POLE 94X7 THAT PROVIDE ELECTRICAL AND TELEPHONE SERVICES TO THE PVMS 214 SERVICE CABINET NEED TO BE RELOCATED BY THE UTILITY COMPANY.
- INSTALL PEDESTAL MOUNT CONCRETE FOUNDATION
- INSTALL 3" RMC (FOR CL&P ELECTRIC SERVICE) BETWEEN THE PEDESTAL MOUNT CONCRETE FOUNDATION AND BASE OF SNET POLE NO. 9417
- INSTALL 2" RMC (FOR AT&T TELEPHONE AND T1 SERVICE) BETWEEN THE PEDESTAL MOUNT CONCRETE FOUNDATION AND SNET POLE NO. 9417 AS SHOWN ON THE IMS PLAN. CONTINUE INSTALLATION OF 2" RMC SURFACE MOUNTED TO THE POLE WITH ENTRANCE FITTING (WEATHERHEAD).
- INSTALL 2-2" RMC BETWEEN PEDISTAL MOUNT CONCRETE FOUNDATION. TERMINATE 2" RMC AT CONCRETE HANDHOLES TYPE II

- Ⓐ INSTALL TYPE II HANDHOLES BEHIND CUT LINE
- Ⓑ INSTALL PEDESTAL FOUNDATION
- Ⓒ REMOVE AND RELOCATE EXISTING IMS SERVICE CABINET ON NEW FOUNDATION

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

COMMUNICATIONS CABLE NO. 20/6 TWISTED PAIR AND 23/4 TWISTED PAIR CAT 6 SHALL BE SUITABLE FOR AERIAL AND OUTDOOR APPLICATIONS GEL FILLED

- Ⓓ DURING THE APPROVED DOWNTIME OF THE PVMS214/CCTV148, THE CONTRACTOR SHALL REMOVE THE EXISTING SERVICE AND COMMUNICATIONS CABLES AND CONNECT THE EXISTING 2-2" RMC THE TYPE II HANDHOLES. SEE ITEM NO. 1132001A RELOCATE INCIDENT MANAGEMENT SYSTEM

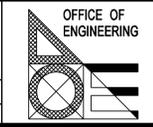
| REV. | DATE | REVISION DESCRIPTION | SHEET NO. |
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THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES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

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

STATE OF CONNECTICUT
 DEPARTMENT OF TRANSPORTATION

ENGINEER: Anthony Colangelo
 APPROVED BY: Robert Kennedy
 DATE: 4/2/2014



PROJECT TITLE:
I-84 INTERCHANGES 5 & 6 IMPROVEMENTS

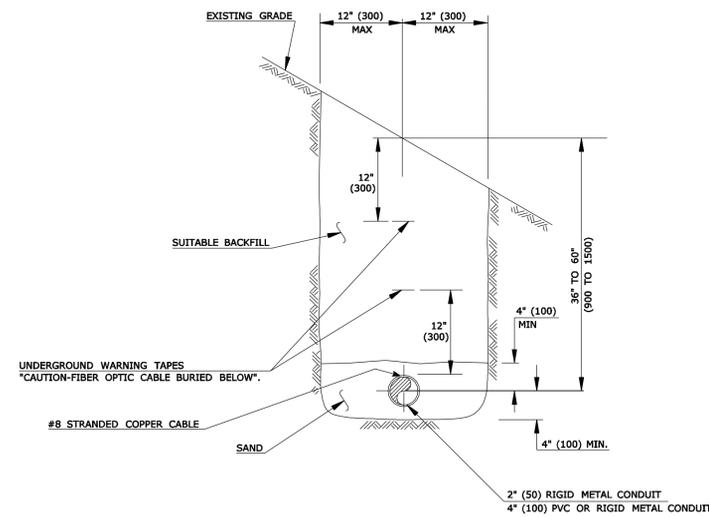
TOWN:
DANBURY

DRAWING TITLE:
PVMS CABINET RELOCATION PLAN

PROJECT NO.
34-313

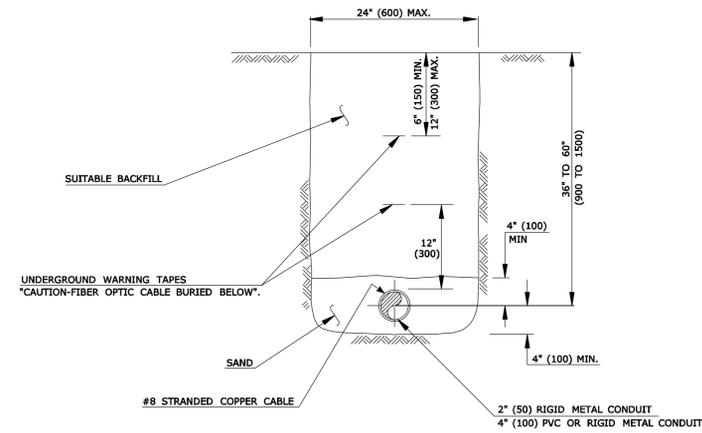
DRAWING NO.
IMS-02

SHEET NO.
08.02

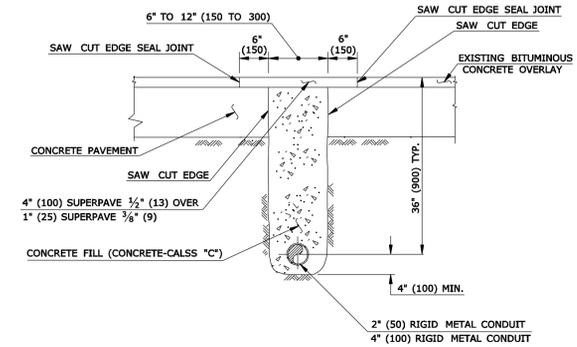


CONDUIT IN SLOPED EARTH

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

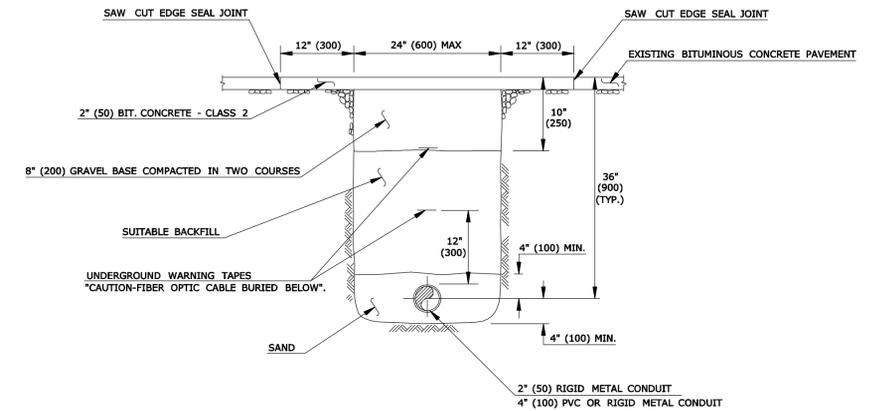


CONDUIT IN LEVEL EARTH

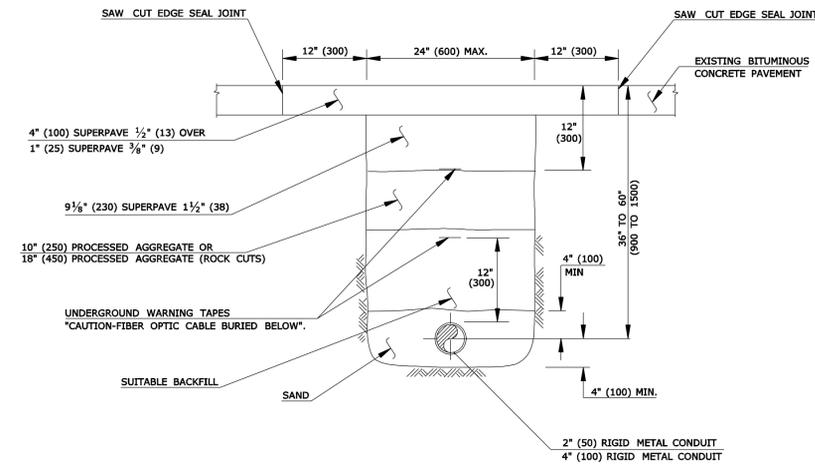


R.M.C. UNDER BITUMINOUS CONCRETE OVERLAYED CONCRETE PAVEMENT

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

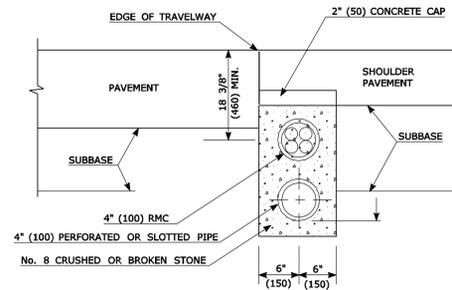


R.M.C. UNDER BITUMINOUS CONCRETE SIDEWALK OR DRIVEWAY

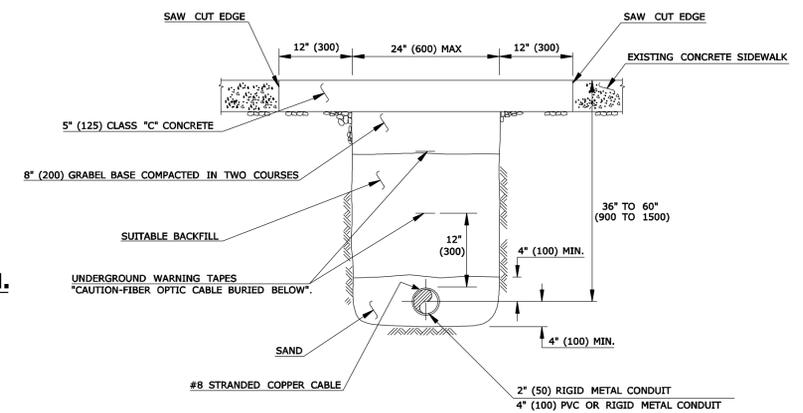


R.M.C. UNDER BITUMINOUS CONCRETE PAVEMENT

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

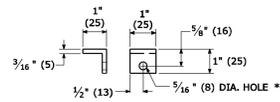


TYPICAL CONDUIT INSTALLATION IN AREAS OF PAVEMENT EDGE DRAIN OR UNDERDRAIN.



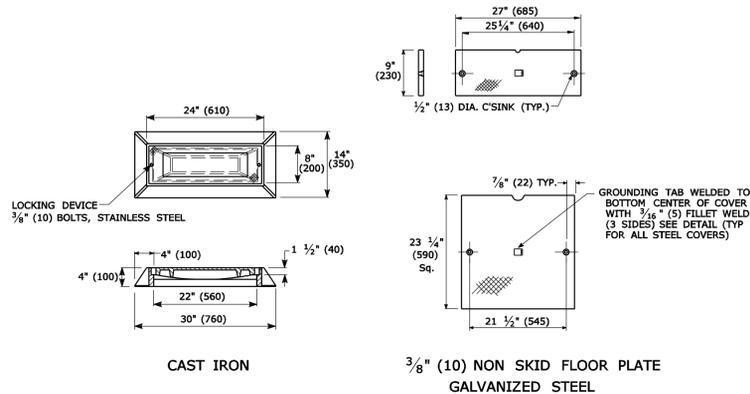
CONDUIT UNDER CONCRETE SIDEWALK

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| <table border="1"> <tr> <td>REV</td> <td>DATE</td> <td>REVISION DESCRIPTION</td> <td>SHEET NO</td> </tr> <tr> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </table> | REV | DATE | REVISION DESCRIPTION | SHEET NO | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | <p>Plotted Date: 4/4/2014</p> | <p>DESIGNER/DRAFTER: D.K. SWINBURNE</p> <p>CHECKED BY: R.A. KENNEDY</p> | <p>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</p> | <p>SIGNATURE/ BLOCK: OFFICE OF ENGINEERING</p> <p>APPROVED BY: _____ DATE: _____</p> | <p>PROJECT TITLE: I-84 INTERCHANGES 5 & 6 IMPROVEMENTS</p> | <p>TOWN: DANBURY</p> <p>DRAWING TITLE: IMS TRENCHING DETAILS</p> | <p>PROJECT NO. 34-313</p> <p>DRAWING NO. IMS-03</p> <p>SHEET NO. 08.03</p> |
| REV | DATE | REVISION DESCRIPTION | SHEET NO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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* 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.

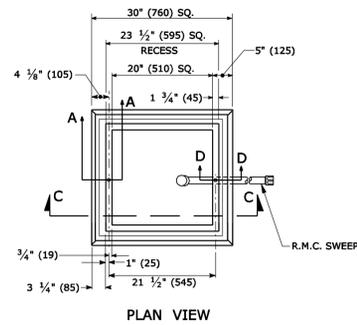
STEEL GROUNDING TAB



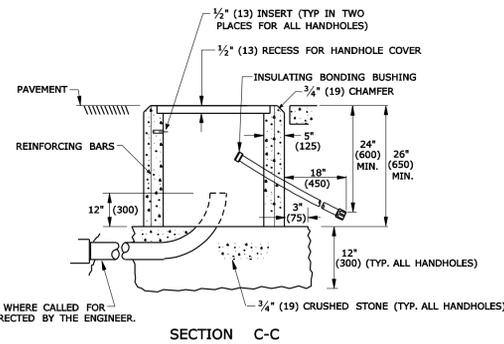
HANDHOLE COVERS

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.



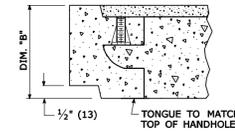
PLAN VIEW



SECTION C-C

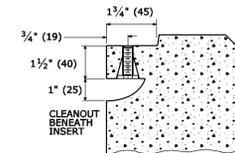
CONCRETE HANDHOLE CLASS "A" CONCRETE

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

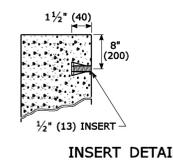


SECTION "A-A"

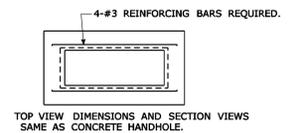
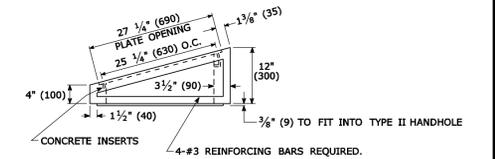
**HANDHOLE EXTENSIONS
12 - #8 REINFORCING BARS REQ'D**



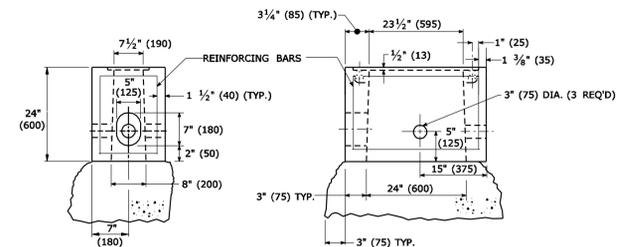
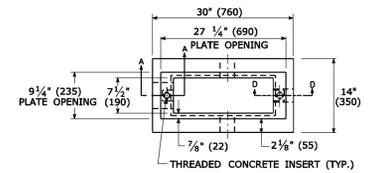
SECTION "D-D"



INSERT DETAIL

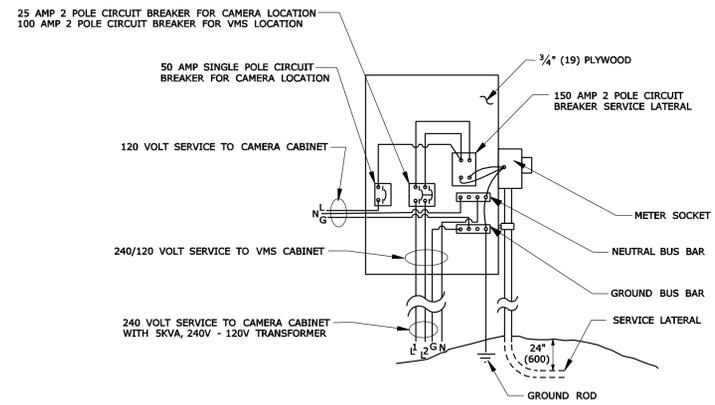


**CONCRETE HANDHOLE TYPE II
BANK ADAPTER**

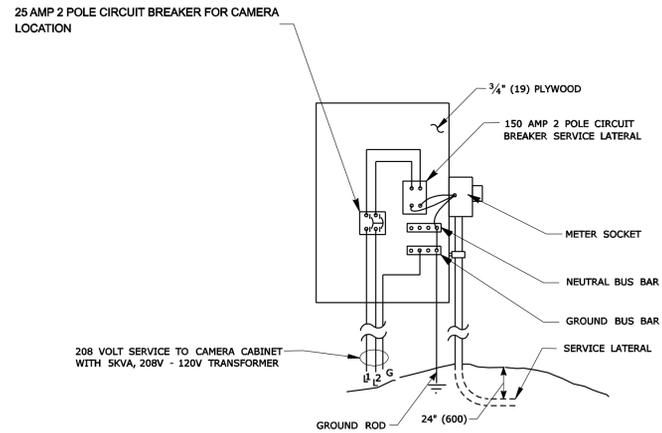


**CONCRETE HANDHOLE TYPE II
CLASS "C" CONCRETE**

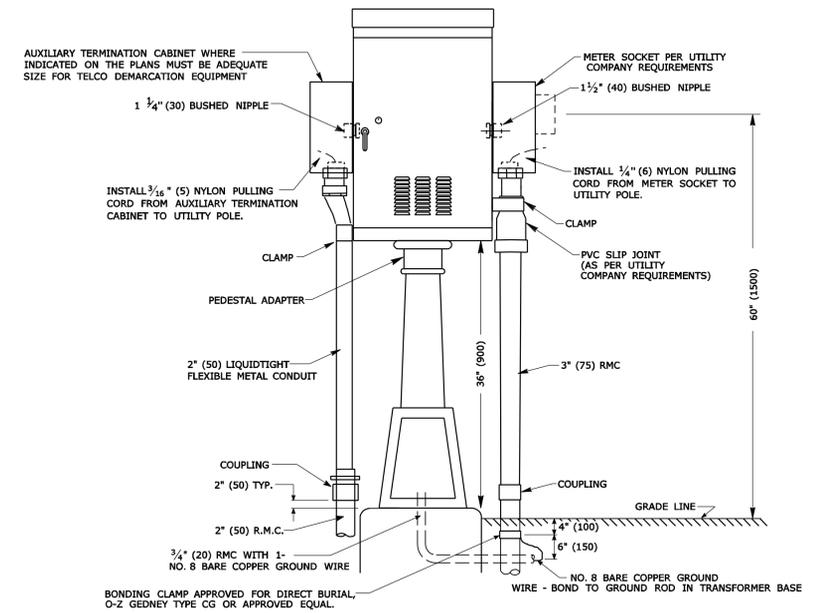
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| DESIGNER/DRAFTER: D.K. SWINBURNE | <p>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</p> | SIGNATURE/ BLOCK: OFFICE OF ENGINEERING | PROJECT TITLE: I-84 INTERCHANGES 5 & 6 IMPROVEMENTS | TOWN: DANBURY | PROJECT NO. 34-313 |
| CHECKED BY: R.A. KENNEDY | | APPROVED BY: _____ DATE: _____ | DRAWING TITLE: CONCRETE HANDHOLE DETAILS | DRAWING NO. IMS-04 | SHEET NO. 08.04 |
| REV. DATE | REVISION DESCRIPTION | SHEET NO. | Plotted Date: 4/4/2014 | Filename: ... \CTDOT_HIGHWAY_OPS_IMS2.dgn | |



SERVICE CABINET LAYOUT
SERVICE (120 VOLT, 240 VOLT AND 240/120 VOLT)

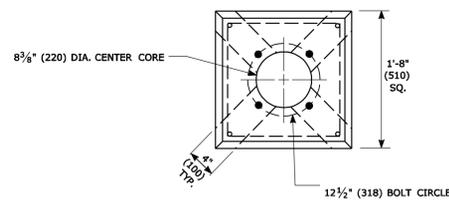


SERVICE CABINET LAYOUT
SERVICE (208 VOLT)

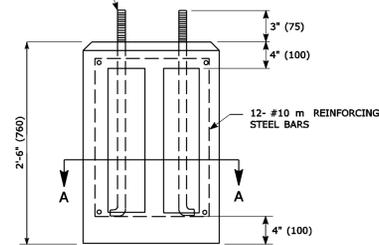


PEDESTAL MOUNTED CABINET

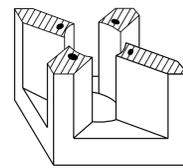
| CABINET TYPE | HEIGHT | WIDTH | DEPTH |
|--------------------|-----------|-----------|-----------|
| SERVICE CABINET | 36" (900) | 20" (500) | 16" (400) |
| AUX. TERM. CABINET | 16" (400) | 12" (300) | 6" (150) |



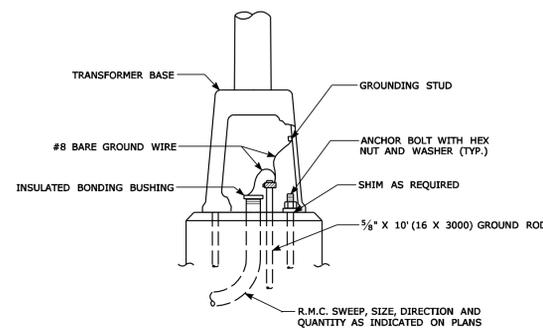
3/4" X 18" (19 X 460) MIN. ANCHOR BOLTS. SHALL BE HOT DIPPED GALVANIZED FOR ENTIRE LENGTH AFTER THREADING. GALVANIZED FLAT WASHERS AND NUTS TO BE SUPPLIED WITH PEDESTAL BASE.



PRECAST PEDESTAL BASE - TYPE I

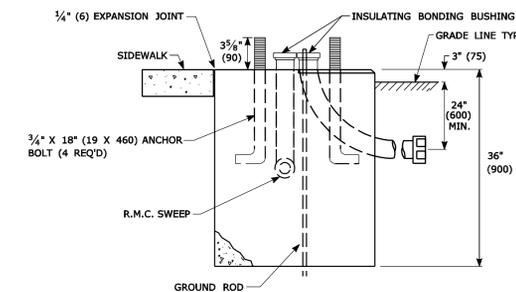
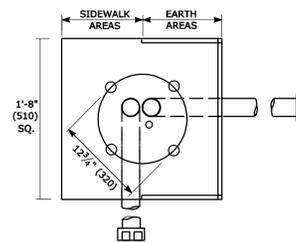


SECTION A - A



NOTES:
PLACE NO. 6 CRUSHED STONE IN CENTER OPENING AFTER CONDUITS AND GROUND ROD HAVE BEEN INSTALLED. THE OPENING SHOULD BE CAPPED WITH 2" (50) GROUT LEVEL WITH THE TOP OF FOUNDATION AND NEATLY FINISHED. THE GROUT SHALL CONFORM WITH THE REQUIREMENTS OF ARTICLE M.03.01-12.

36" (900) ALUMINUM PEDESTAL



TRAFFIC CONTROL FOUNDATION PEDESTAL TYPE I

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

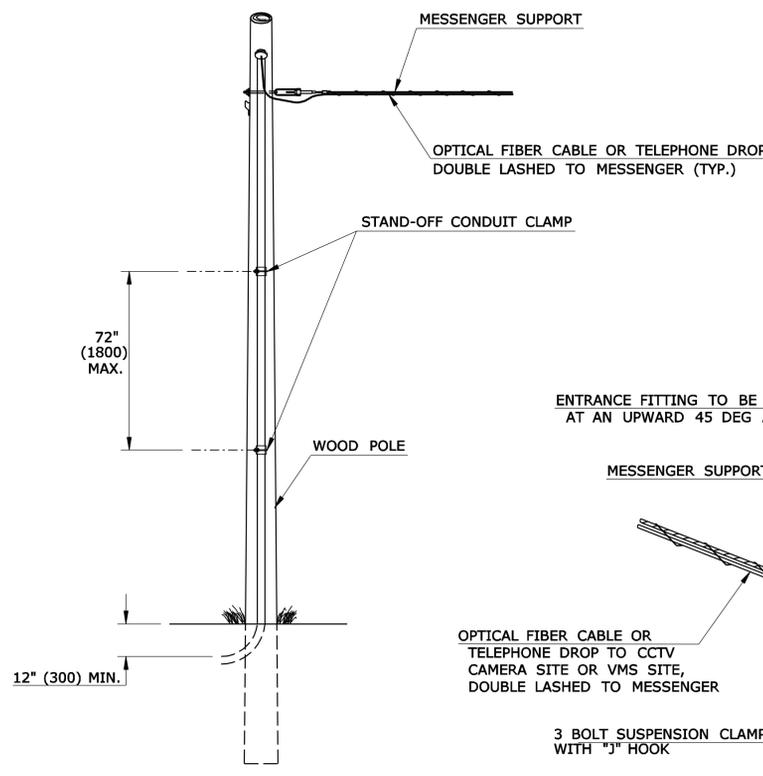


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OFFICE OF ENGINEERING
APPROVED BY: _____ DATE: _____

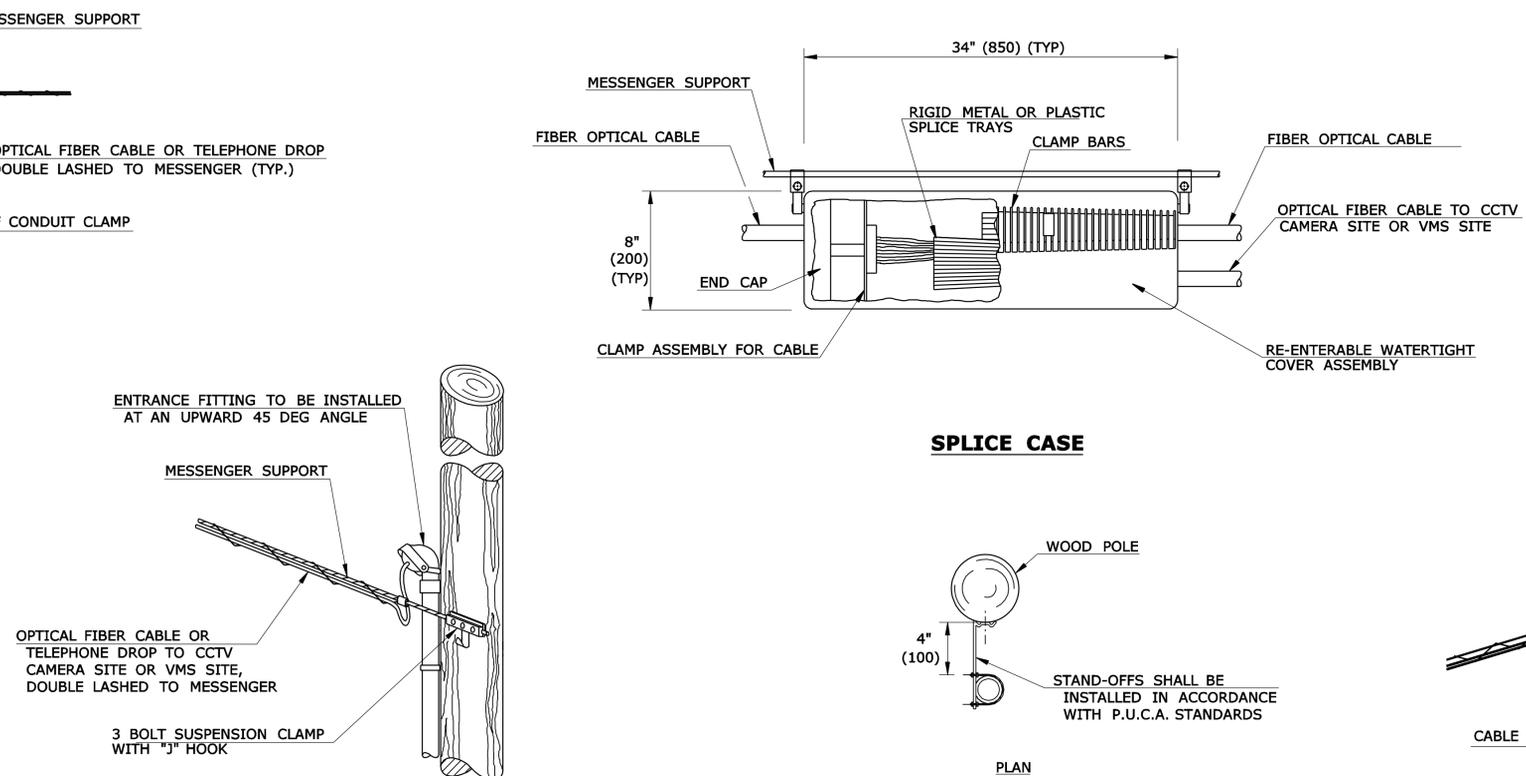
PROJECT TITLE:
I-84 INTERCHANGES 5 & 6 IMPROVEMENTS

TOWN:
DANBURY
DRAWING TITLE:
TYPICAL ELECTRICAL AND ATC DETAILS

PROJECT NO.
34-313
DRAWING NO.
IMS-05
SHEET NO.
08.05

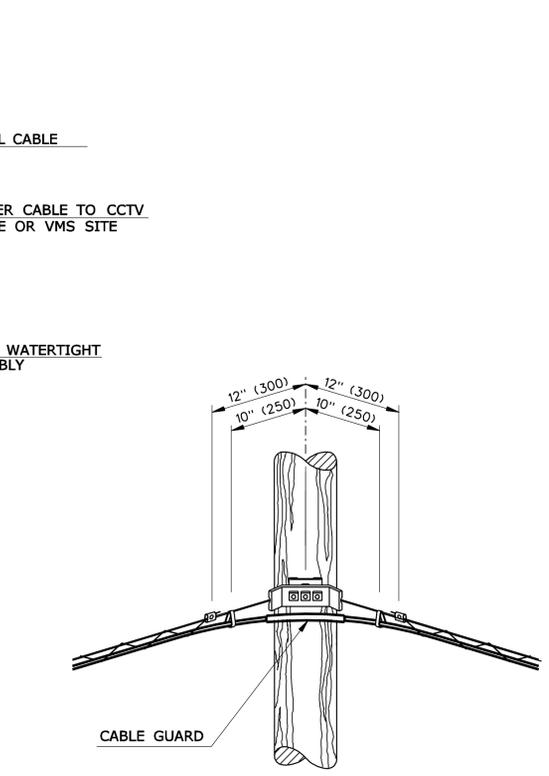


STAND-OFF ELEVATION

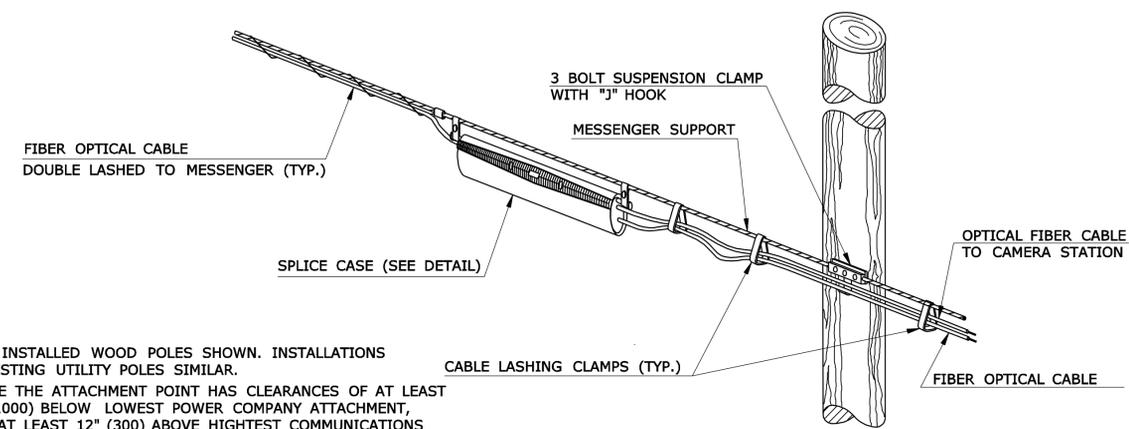


STAND-OFF ENTRANCE DETAIL

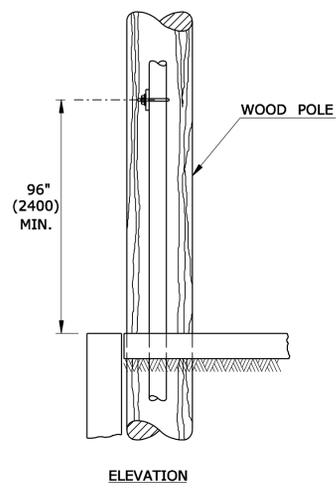
CONDUIT CLAMP DETAIL



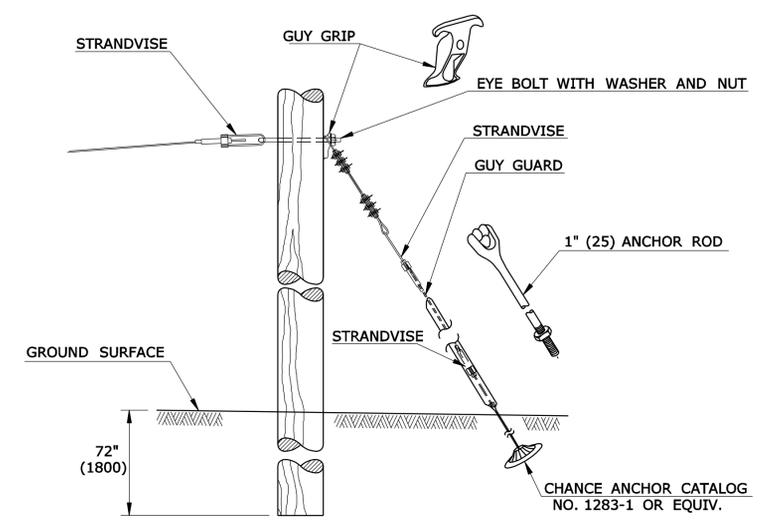
CABLE LASHING AT A CORNER POLE DETAIL



CABLE-DROP INSTALLATION



CONDUIT STAND-OFF INSTALLATION FOR WOOD POLE



TYPICAL WOOD POLE AND GUY INSTALLATION

- NOTES:
1. NEWLY INSTALLED WOOD POLES SHOWN. INSTALLATIONS TO EXISTING UTILITY POLES SIMILAR.
 2. ENSURE THE ATTACHMENT POINT HAS CLEARANCES OF AT LEAST 40" (1000) BELOW LOWEST POWER COMPANY ATTACHMENT, AND AT LEAST 12" (300) ABOVE HIGHEST COMMUNICATIONS ATTACHMENT, UNLESS OTHERWISE DIRECTED ON PLANS.
 3. SPLICE CASES SHALL BE PAID UNDER THE ITEM "FIBER OPTIC CABLE SPLICE ENCLOSURE."

| | | | | | |
|--------------------------------------------|----------------------|------------------------------------------------------|-----------------------------------------------------------------------|-------------------------------------------------------------------------|------------------------------|
| DESIGNER/DRAFTER: D.K. SWINBURNE | | SIGNATURE/ BLOCK: OFFICE OF ENGINEERING | PROJECT TITLE: I-84 INTERCHANGES 5 & 6 IMPROVEMENTS | TOWN: DANBURY | PROJECT NO. 34-313 |
| CHECKED BY: R.A. KENNEDY | | APPROVED BY: _____ DATE: _____ | | DRAWING TITLE: UTILITY AND WOOD POLE INSTALLATION DETAILS | DRAWING NO. IMS-06 |
| REV. DATE | REVISION DESCRIPTION | SHEET NO. | Plotted Date: 4/4/2014 | Filepath: ...CTDOT_HIGHWAY_OPS_IMS2.dgn | SHEET NO. 08.06 |