	TITLE	DATE*
IMS-01	TYPICAL SECTIONS - GENERAL NOTES	09-09
IMS-02	U-TYPE & FLARED WINGWALL CONDUIT, PARAPET MOUNTING CONDUIT SUPPORT & ATTACHMENTS	10-10
IMS-03	TS CONDUIT SUPPORT, CANTILEVER CHANNEL CONDUIT SUPPORT, U-BOLTS, CONDUIT RACK HANGER, CONNECTION PLATE	09-09
IMS-04	RMC EXPANSION FITTING, WALL PENETRATION, CHANNEL CONDUIT SUPPORT CONNECTION, ONE HOLE CLAMP & FIELD FASTENER, CLEVIS HANGER DETAILS	10-10
IMS-05	IMS TRENCHING DETAILS	09-09
IMS-06	IDENTIFICATION POST & IMS ILLUMINATION DETAILS	08-14
IMS-07	TYPICAL IMS CONDUIT CROSSING DETAILS	09-09
IMS-08	TYPICAL IMS CONDUIT MEDIAN DETAILS	09-09
IMS-09	CONCRETE HANDHOLE DETAILS	09-09
IMS-10	PULLBOX AND VAULT DETAILS	09-09
IMS-11	LOWERING DEVICE & CAMERA LOCATION SCHEMATICS	09-09
IMS-12	RTMS DETAILS	09-09
IMS-13	CAMERA CABINET DETAILS	09-09
IMS-14	VIDEO & DATA INTERFACE WIRING PANEL ASSEMBLY	09-09
IMS-15	TYPICAL ELECTRICAL & ATC DETAILS	09-09
IMS-16	VMS CONTROLLER CABINET & FOUNDATION	09-09
IMS-17	STAGE CONSTRUCTION DETAILS	03-11
IMS-18	REMOTE CONTROL FLASSHING LIGHT & HAR SIGN LAYOUT PLAN	09-09
IMS-19	INSTALLATION OF HAR STATIONS, HAR STATION DETAILS	09-09
IMS-20	UTILITY AND WOOD POLE INSTALLATION DETAILS	09-09

TITLE	DATE*

*REVISED OR ADDED

-	-	-	-	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.
-	-	-	-	
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 8/5/2014

NOT TO SCALE

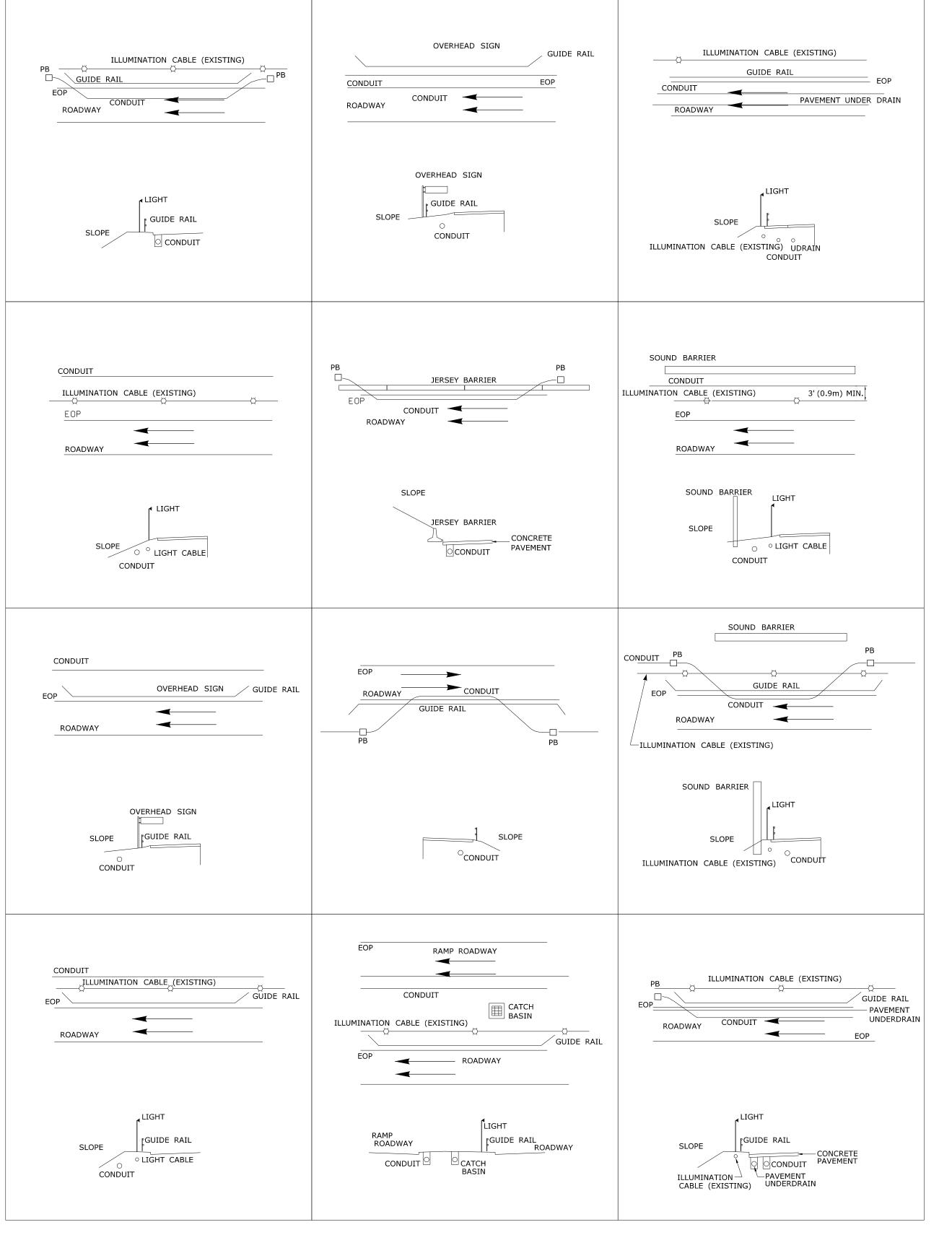


Model: HO-GDS_INDEX

Filename: CTDOT_HIGHWAY_OPS_GD.dgn

OFFICE OF ENGINEERING

HIGHWAY OPERATIONS
GUIDE SHEET INDEX



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 860-594-2089 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

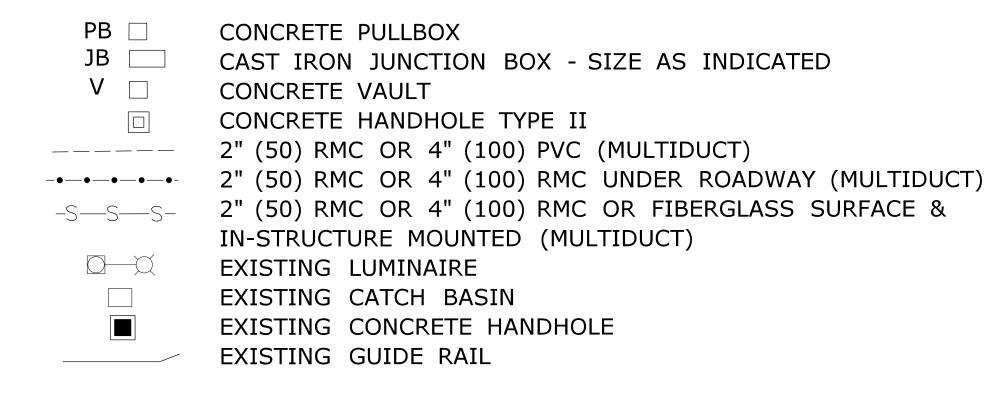
 MAKE A COMPLETE INSTALLATION. ITEMS NOT SPECIFICALLY SHOWN ON THE DRAWINGS OR INCLUDED IN THE SPECIFICATIONS THAT ARE REQUIRED

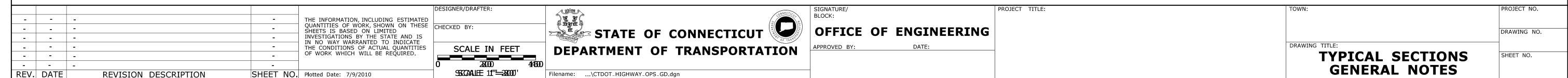
 TO BE PERFORMED BY THE CONTRACTOR TO PERFORM THE WORK, ARE TO BE INCLUDED AS PART OF THE CONTRACTOR'S WORK.
- 8. THE CONDUIT IN TRENCH SHALL BE 4" (100) SCHEDULE 40 PVC UNLESS OTHERWISE NOTED ON THE PLANS. ALL CONDUIT UNDER ROADWAYS
 SHALL BE RIGID METAL. SURFACE MOUNTED OR IN-STRUCTURE CONDUIT SHALL 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



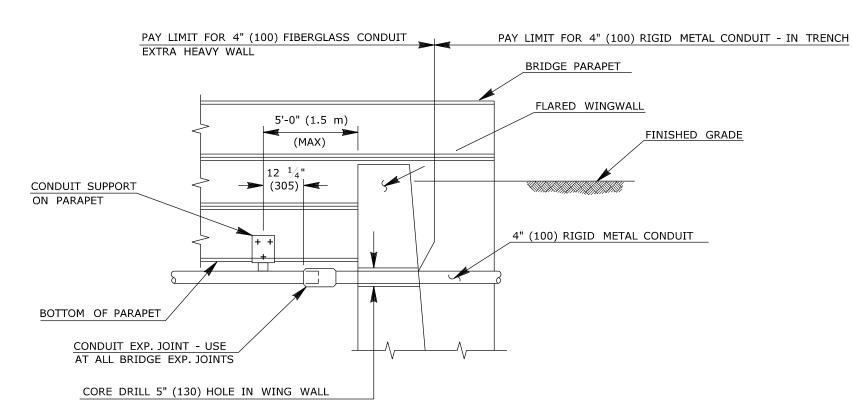


CONDUIT SUPPORT INSTALLATION SEQUENCE:

- 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 FASTERNER NOTES" AND "STRUCTURAL NOTES".
- B. FASTEN CONDUIT TO SUPPORTS WITH U-BOLTS.

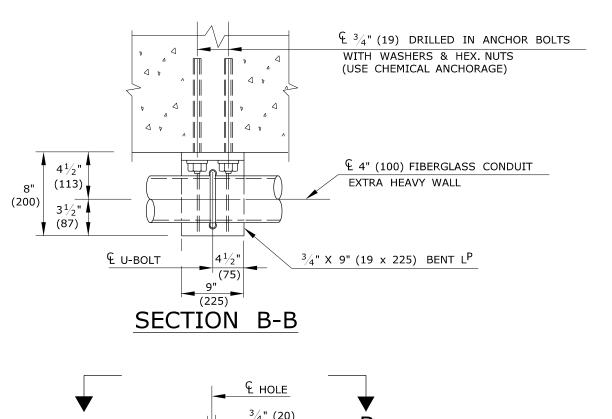
4" (100) SURFACE MOUNTED CONDUIT SUPPORT SPACING NOTES:

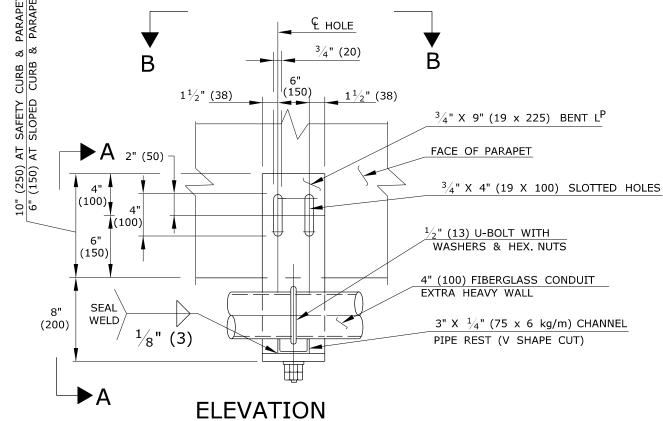
- A. SPACE CONDUIT SUPPORTS AT 14'-9" (4.5 m) O.C. MAXIMUM FOR STRUCTURE MOUNTED 4" (100) CONDUIT SURFACE MOUNTED AS SHOWN ON THE DETAILS AND AS DIRECTED BY THE ENGINEER.
- B. ADDITIONAL CONDUIT SUPPORTS ARE REQUIRED AT LOCATIONS OF EXPANSION FITTINGS AND FIXED AND FLEXIBLE SWEEP BENDS AS SHOWN ON THE DETAILS OR AS DIRECTED BY THE ENGINEER.



NOTE: BRIDGE RAILING & APPROACH RAILING NOT SHOWN.

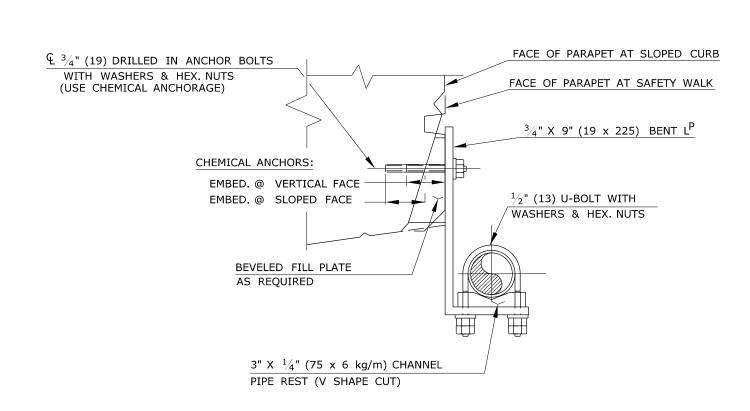
FLARED WINGWALL
CONDUIT - PARAPET TO FILL
N.T.S.





NOTES

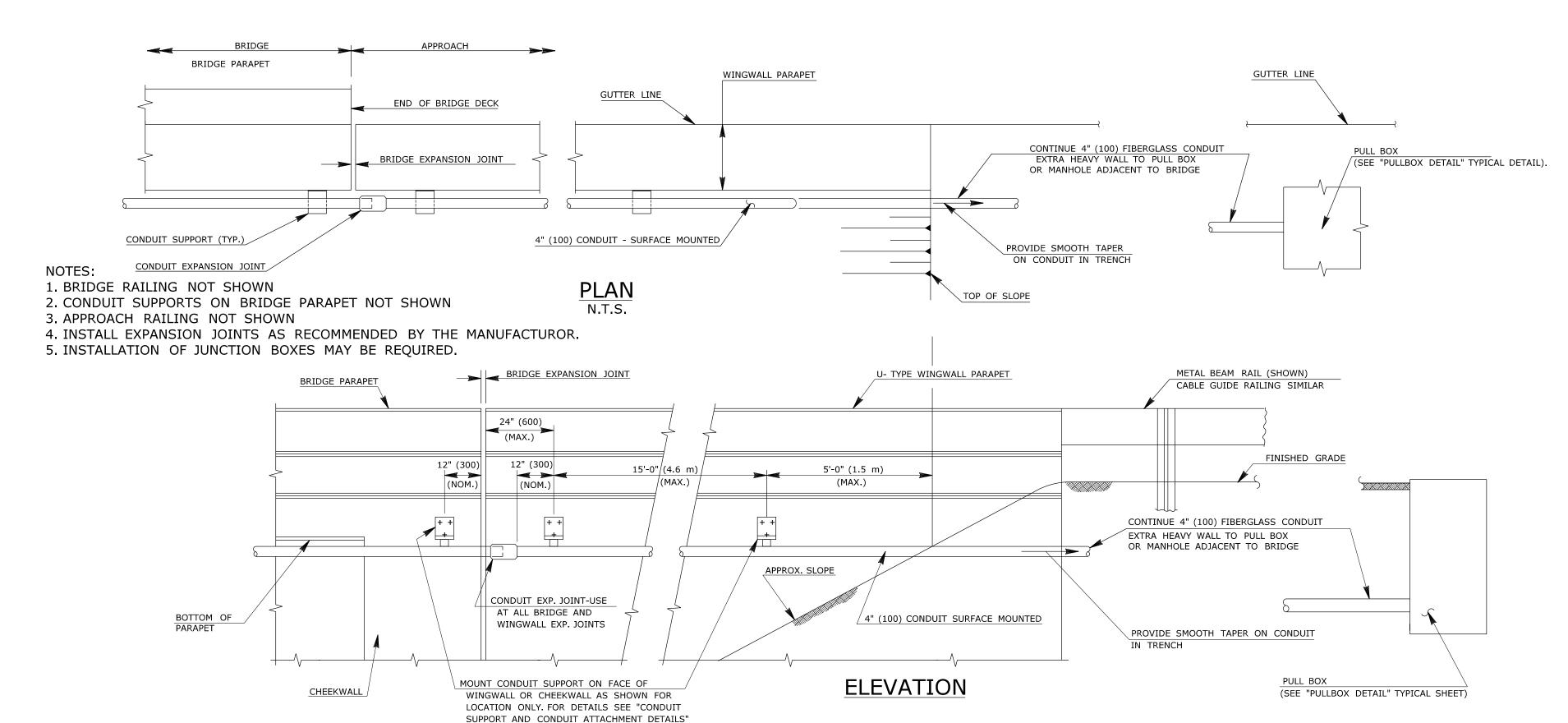
- 1. DETAILS SHOWN AT PARAPET, ATTACHMENT SIMILAR ON WALLS.
- 2. PROVIDE $^{3}_{4}$ " (19) DIA. HOLES FOR $^{5}_{8}$ " (16) DIA. BOLTS AND U-BOLTS IN CONDUIT SUPPORT AND CHANNEL PIPE REST.
- 3. MATERIAL FOR THREADED ANCHORS, NUTS, AND WASHERS FOR DRILLING AND CHEMICAL ANCHORING IN EXISTING CONCRETE ELEMENTS 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.



SECTION A-A

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.

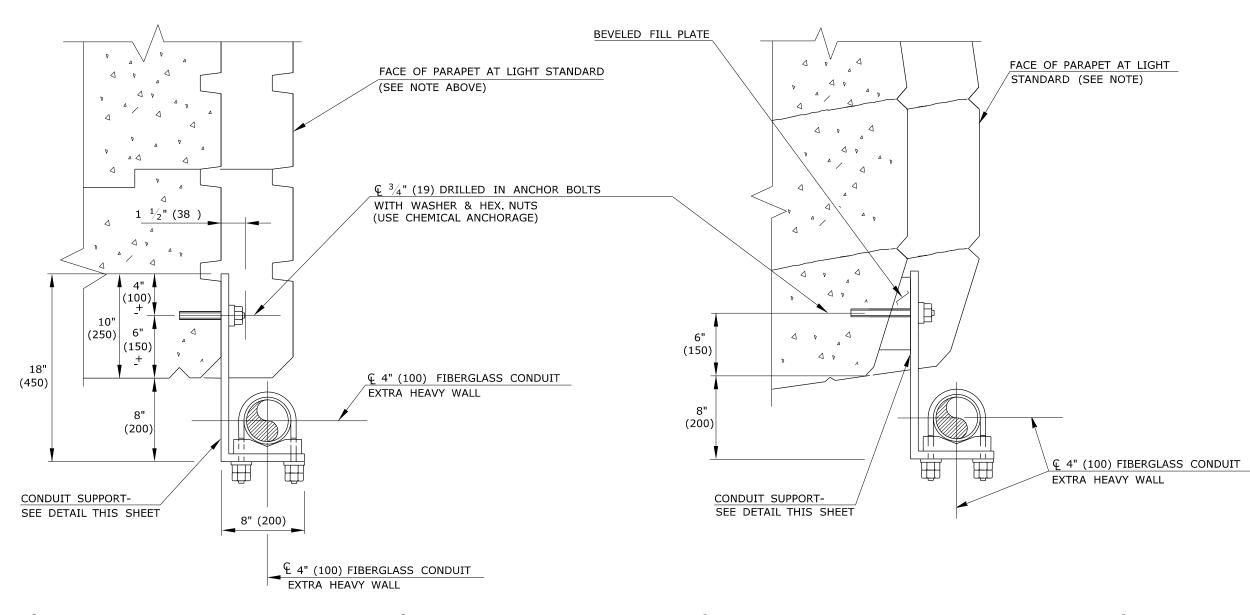


NOTE:
MOUNT CONDUIT ON WING WALLS AT SAME
POSITION AS CONDUIT ON PARAPET

<u>U - TYPE WINGWALL</u> <u>CONDUIT - PARAPET TO FILL</u> _{N.T.S.}

NOTE

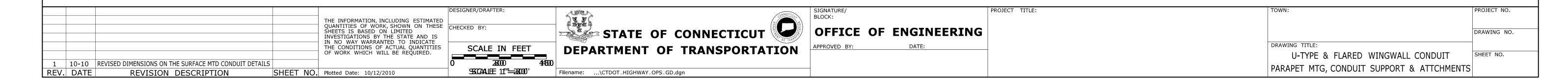
1. FACE OF PARAPET AT LIGHT STANDARDS SHOWN TO ILLUSTRATE CONDUIT MOUNTED TO CLEAR
WIDENED PARAPET, DETAIL AT PARAPET MOUNTED SIGN SUPPORTS AND NOISE BARRIER WALLS, ETC. SIMILAR.

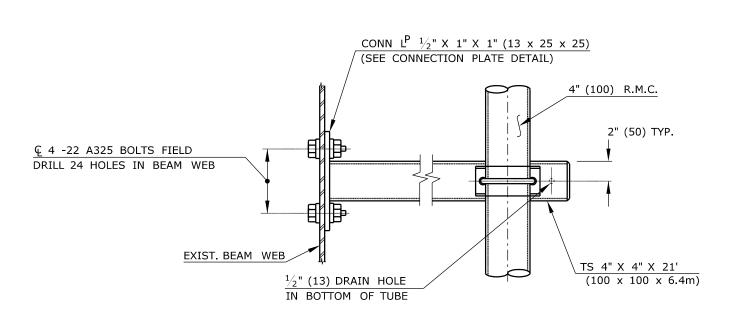


(SAFETY CURB & PARAPET)

(SLOPED CURB AND PARAPET)

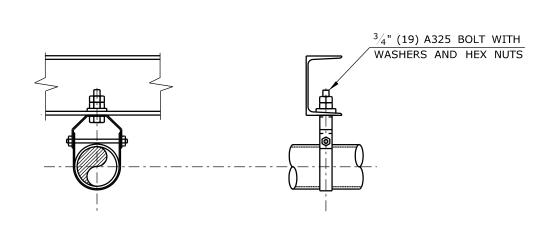
4" (100) SURFACE MOUNTED CONDUIT ATTACHMENT TO BRIDGE PARAPET



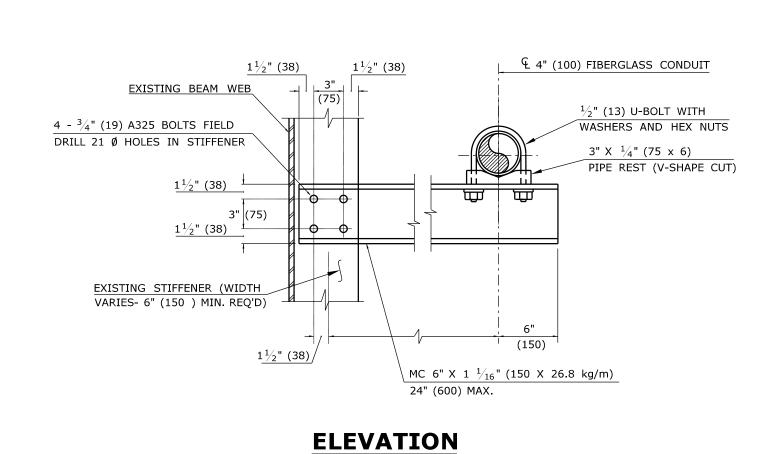


NOTE: FOR INFORMATION NOT SHOWN, SEE ELEVATION.

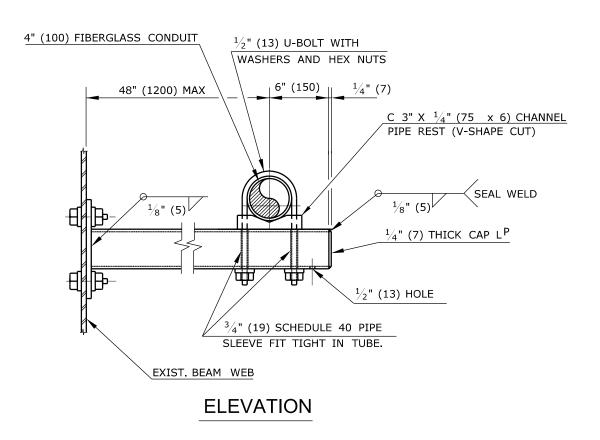
PLAN



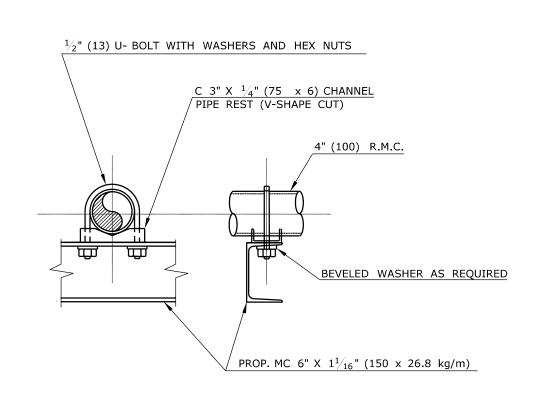
DIRECT BOLTED ATTACHMENT



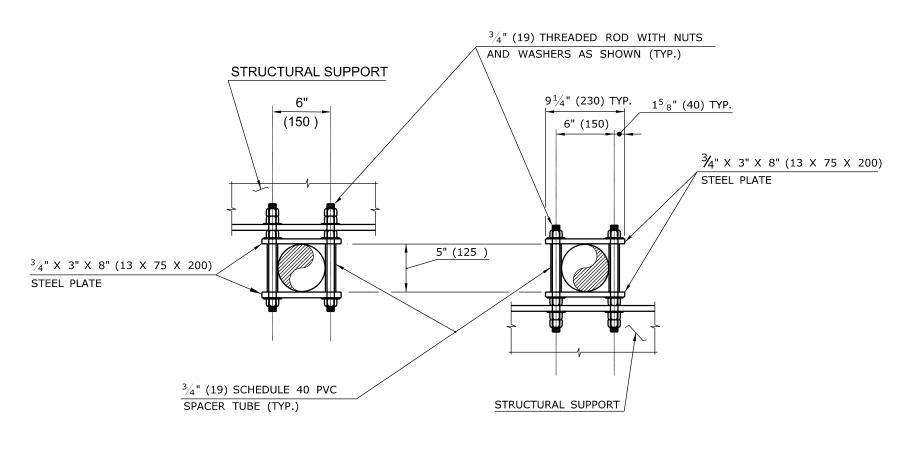
CANTILEVER CHANNEL CONDUIT SUPPORT



TS CONDUIT SUPPORT

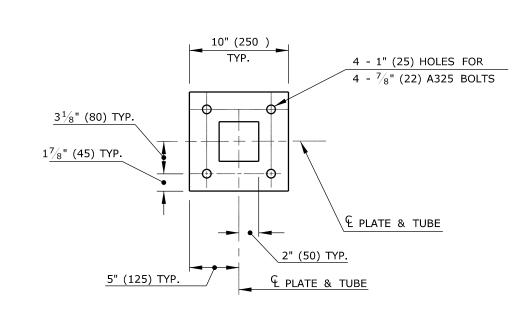


U-BOLT DETAILS



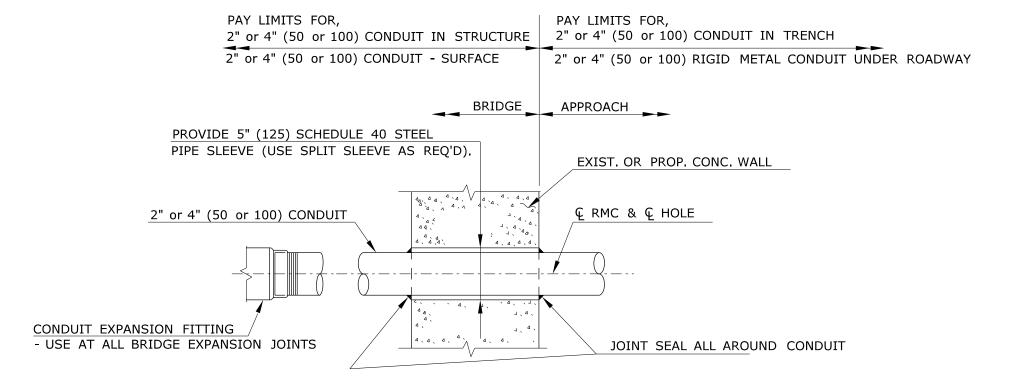
ATTACHED HANGER SUPPORTED HANGER

CONDUIT RACK HANGER DETAILS

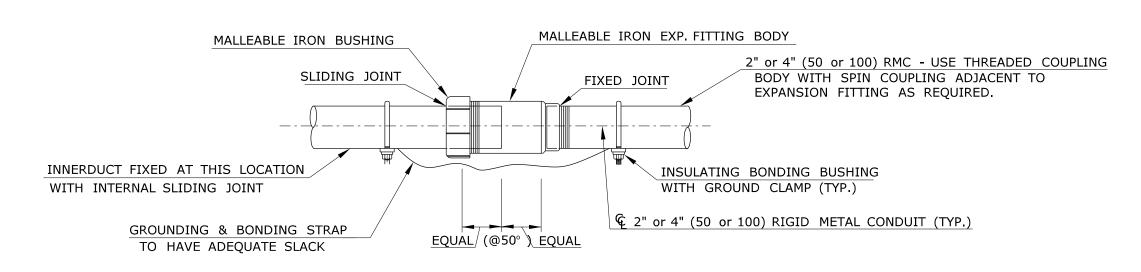


CONNECTION PLATE DETAIL

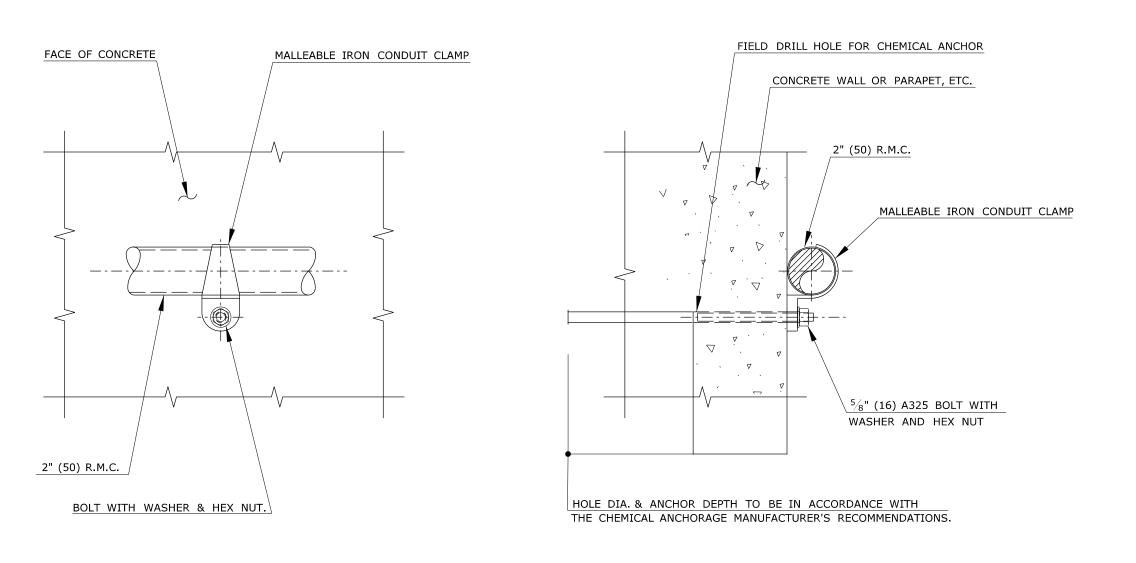
	DIMENSIONS ARE IN ENGLISH ('AND ") DESIGNER/DRAFTER:	NATURAL DESCRIPTION OF THE PROPERTY OF THE PRO	SIGNATURE/	PROJECT TITLE:	TOWN: PROJECT NO.
	- AND METRIC UNITS (mm). METRIC D. K. SWINBU	RNE j	BLOCK:		
	CONVERSIONS OVER 1" ROUNDED TO CHECKED BY:	STATE OF CONNECTICUT	OFFICE OF ENGINEEDING		DRAWING NO.
	NEAREST 5 mm - UNDER 1" TO R.M. WATERN - NEAREST 1 mm.	MAN STATE OF CONNECTICUT	$\sqrt[n]{}$ OFFICE OF ENGINEERING	3	DRAWING NO.
	-	DEPARTMENT OF TRANSPORTATION			DRAWING TITLE:
	<u> </u>	DEPARTMENT OF TRANSPORTATION	APPROVED BY: DATE:	<u> </u>	TS CONDUIT SUPPORT, CANTILEVER SHEET NO.
	- CADD		ATTROVED BY:		CHANNEL CONDUIT SUPPORT, U-BOLTS,
REV. DATE REVISION DESCRI	IPTION SHEET NO. Plotted: 7/9/2010	Filename: CTDOT_HIGHWAY_OPS_GD.dgn			CONDUIT RACK HANGER, CONNECTION PLATE



WALL PENETRATION DETAIL NOT TO SCALE



EXPANSION FITTING 8" (200) TOTAL MOVEMENT NOT TO SCALE

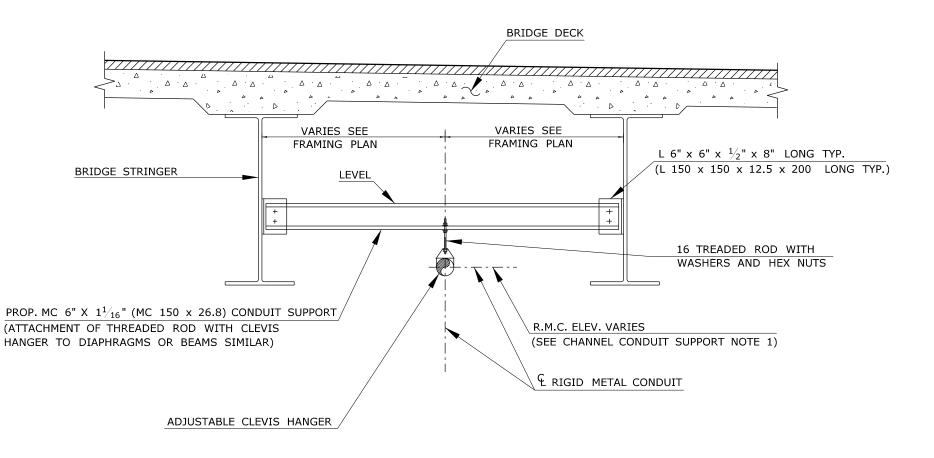


ELEVATION

SECTION

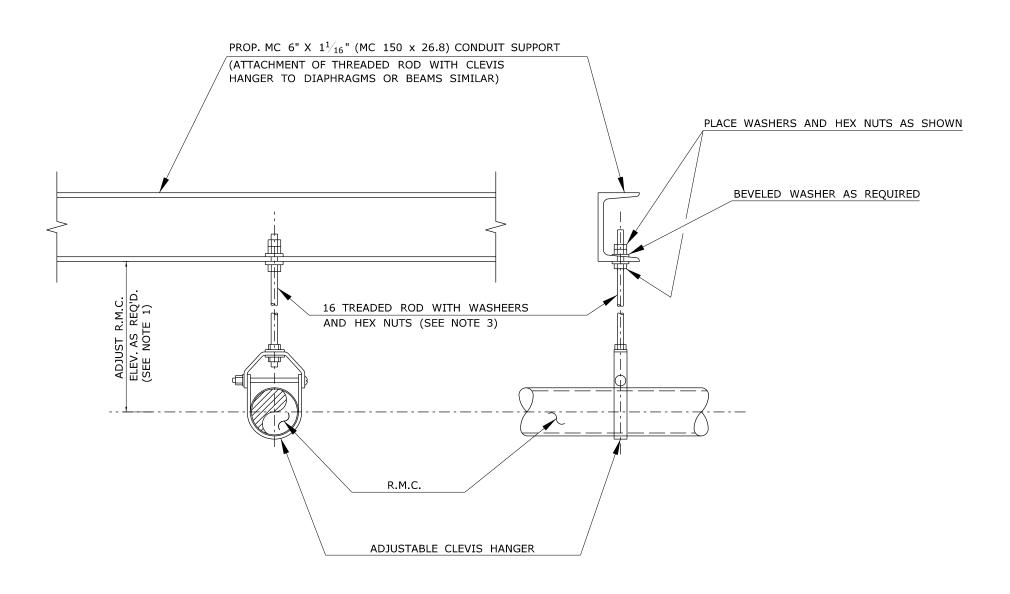
ONE HOLE CLAMP & FIELD FASTENER DETAILS

NOT TO SCALE



CHANNEL CONDUIT SUPPORT DETAIL

NOT TO SCALE



SECTION

ELEVATION

CLEVIS HANGER DETAIL

NOT TO SCALE

CHANNEL CONDUIT SUPPORT NOTES:

- 1. MOUNT CONDUIT & CLEVIS HANGER ABOVE BOTTOM OF BEAMS (U.N.O.).
- 2. SEE "R.M.C. IN STRUCTURE" DETAILS FOR ADD'L. INFORMATION.
- 3. FIELD DRILL $\frac{3}{4}$ " (19) DIA. HOLES IN FLANGES OF DIAPHRAGMS OR BEAMS.

CLEVIS HANGER NOTES:

- 1. CLEVIS HANGERS SHALL BE AS SHOWN AND AS MANUFACTURED BY ITT GRINNELL CO., FIG. 260 OR APPROVED EQUAL. THE CLEVIS, INCLUDIING ALL HARDWARE, THREADED RODS AND NUTS SHALL BE GALVANIZED. THE THREADED RODS SHALL BE A MINIMUM OF $\frac{5}{8}$ " (16) IN DIAMETER.
- 2. CLEVIS HANGER SPACING: SPACE CLEVIS HANGER WITH THREADED ROD ATTACHED TO EITHER PROPOSED CHANNEL CONDUIT SUPPORT OR EXIST. STRUCTURAL STEEL AT 15' (4.5 m) O.C. MAXIMUM.
- 3. FIELD DRILL $\frac{3}{4}$ " (19) DIA. HOLES IN FLANGES OF DIAPHRAGMS OR BEAMS.

FIELD FASTENER NOTES:

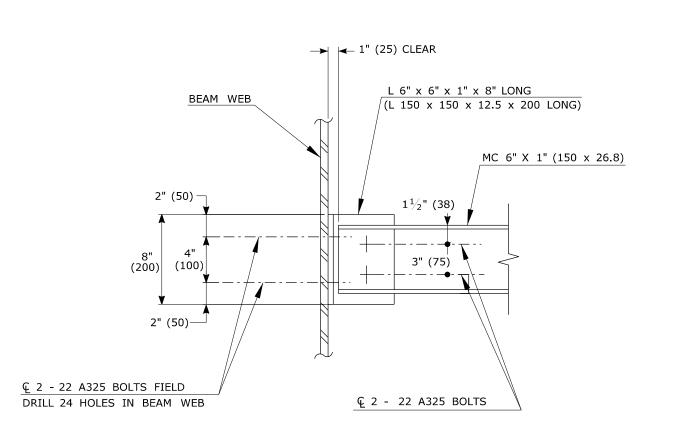
CONDUIT SUPPORTS SHALL BE ATTACHED TO THE EXISTING STRUCTURES UTILIZING ONE OF THE FOLLOWING METHODS AS APPROVED BY THE ENGINEER:

- 1. FIELD DRILL HOLES IN CONCRETE STRUCTURES. HOLE DIAMETER & ANCHOR DEPTH FOR THE CHEMICAL ANCHORAGE TO BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
- 2. CHEMICAL ANCHORS SYSTEM APPROVED BY CONN. D.O.T. WITH THREADED RODS, ANCHOR BOLTS, NUTS AND WASHERS SHALL BE STAINLESS STEEL.
- 3. ONE HOLE CLAMP SHALL BE MALLEABLE IRON CONDUIT CLAMP AS SHOWN AND AS MANUFACTURED BY ITT GRINNEL CO., FIG. 126, OR APPROVED EQUAL. THE CLAMP SHALL BE GALVANIZED.
- 4. SPACE CLAMPS AT 60" (1500) MAXIMUM.

ANCHORS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A193(M), CLASS 2, GRADE B8M (TYPE 316).

NUTS SHALL BE NYLON INSERT LOCK NUTS AND CONFORM TO ASTM A194(M), GRADE 8M, STRAIN HARDENED (TYPE 316).

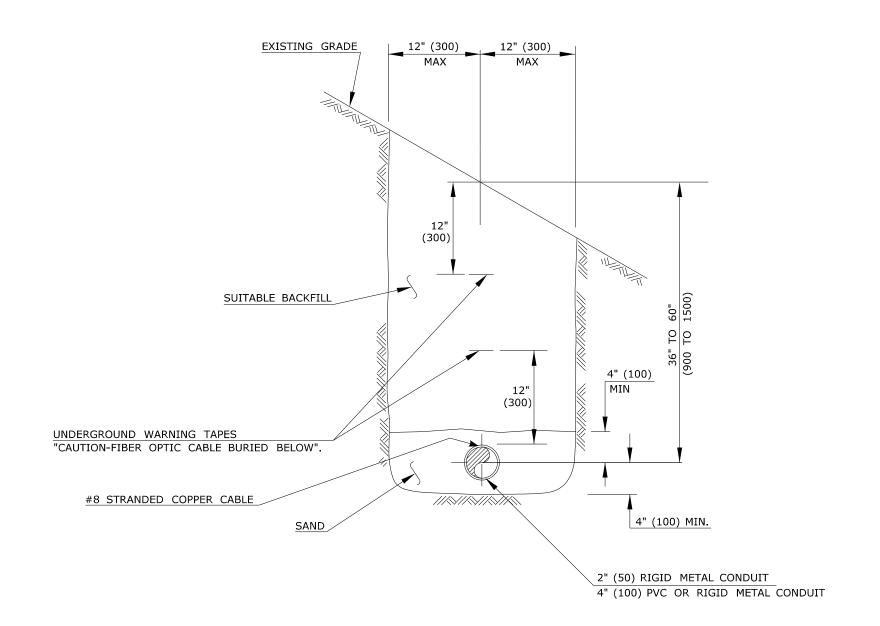
WASHERS SHALL CONFORM TO ASTM A276(M), TYPE316, ANNEALED.



CHANNEL CONDUIT SUPPORT CONNECTION DETAIL

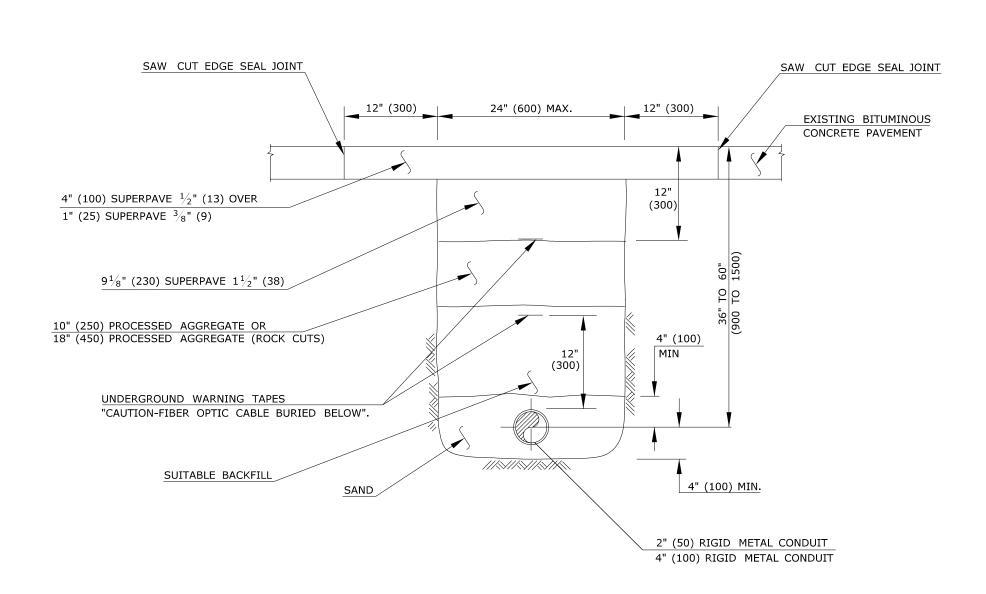
NOT TO SCALE

DIMENSIONS ARE IN ENGLISH ('AND ") AND METRIC UNITS (mm). METRIC DESIGNER/DRAFTER: D. K. SWINBURNE	SIGNATURE/ BLOCK: PROJECT TITLE:	TOWN: PROJECT NO.
CONVERSIONS OVER 1" ROUNDED TO NEAREST 5 mm - UNDER 1" TO NEAREST 1 mm. CHECKED BY: R.A. KENNEDY	STATE OF CONNECTICUT OFFICE OF ENGINEERING	DRAWING NO.
1 10 10 ADDED ACTM CONFORMANCES FOR MUTS POLICE & WASHEDS	DEPARTMENT OF TRANSPORTATION	RMC EXPANSION FITTING, WALL PENETRATION, SHEET NO. CHANNEL CONDUIT SUPPORT CONNECTION, ONE HOLE
1 10-10 ADDED ASTM CONFORMANCES FOR NUTS, BOLTS & WASHERS. REV. DATE REVISION DESCRIPTION SHEET NO. Plotted: 10/12/2010	Filename: CTDOT_HIGHWAY_OPS_GD.dgn	CLAMP & FIELD FASTENER, CLEVIS HANGER DETAILS



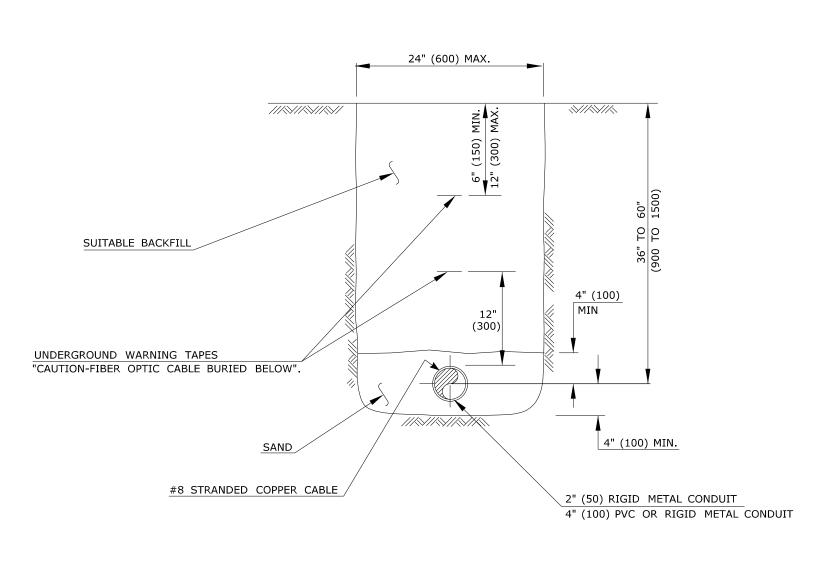
CONDUIT IN SLOPED EARTH

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

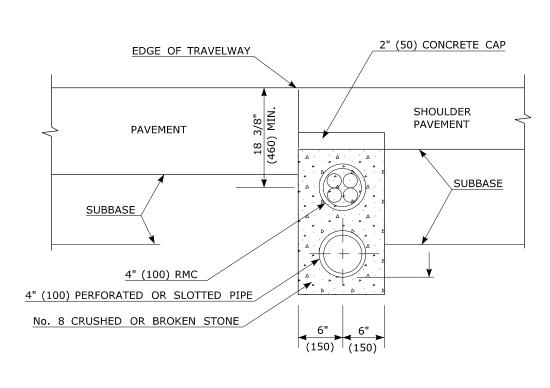


R.M.C. UNDER BITUMINOUS CONCRETE PAVEMENT

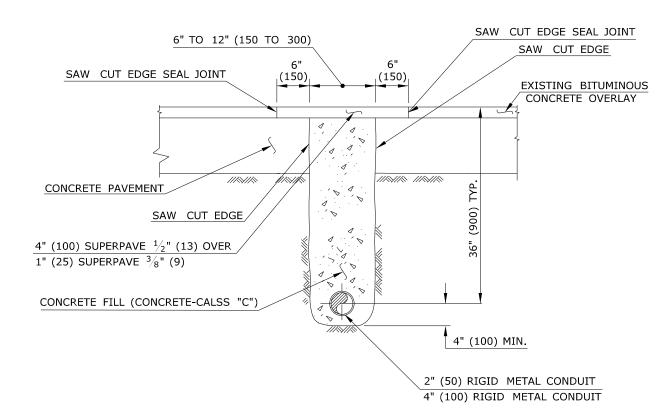
NOTE: USE SUPERPAVE LAYERS AS SHOWN OR AS DIRECTED BY THE ENGINEER



CONDUIT IN LEVEL EARTH

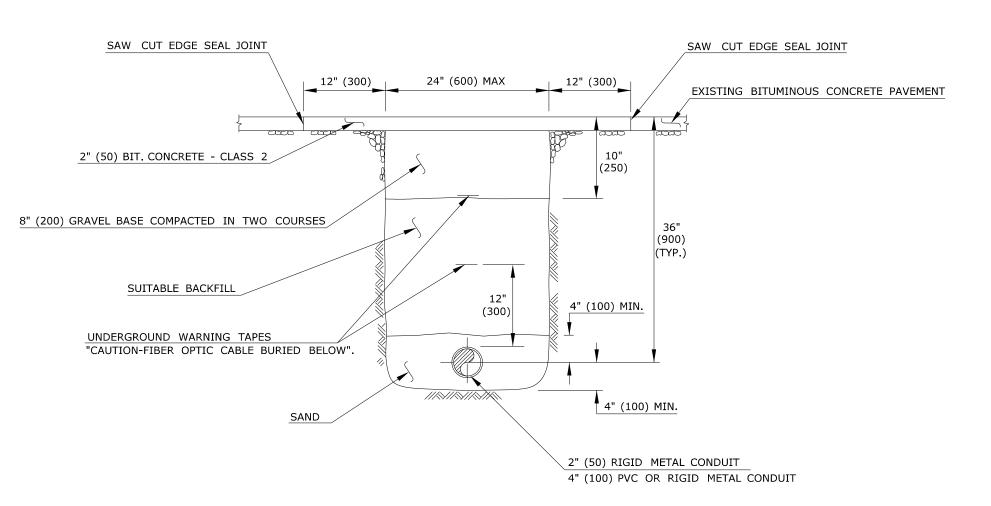


TYPICAL CONDUIT INSTALLATION IN AREAS OF PAVEMENT EDGE DRAIN OR UNDERDRAIN.

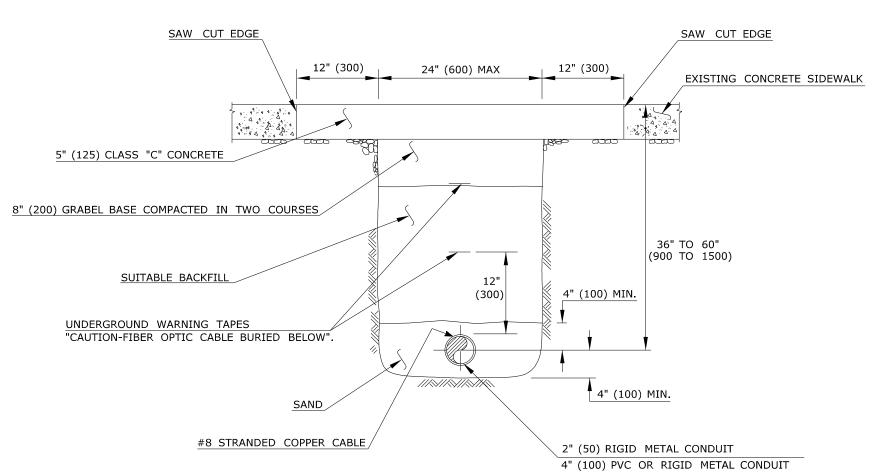


R.M.C. UNDER BITUMINOUS CONCRETE OVERLAYED CONCRETE PAVEMENT

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

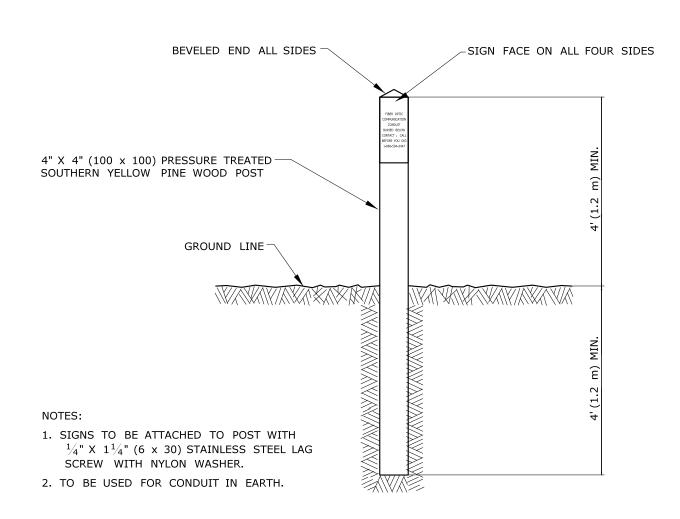


R.M.C. UNDER BITUMINOUS CONCRETE SIDEWALK OR DRIVEWAY

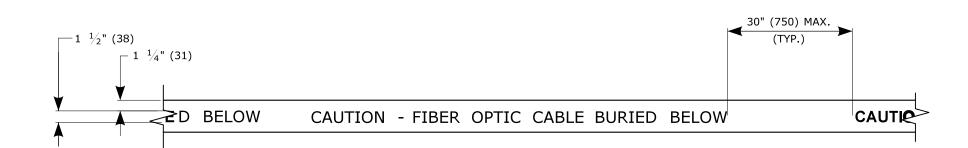


CONDUIT UNDER CONCRETE SIDEWALK

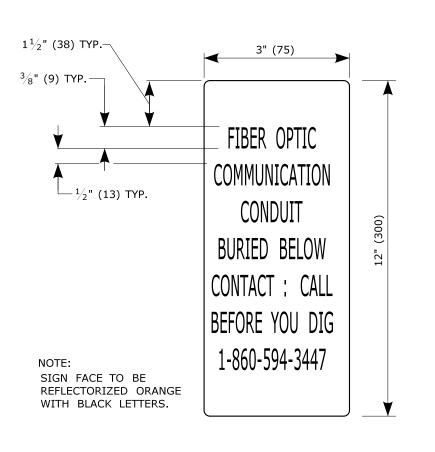
	DESIGNE	IER/DRAFTER:	SIGNATURE/	PROJECT TITLE:	TOWN: PROJECT
	- THE INFORMATION, INCLUDING ESTIMATED D.	.K. SWINBURNE	BLOCK:		
	QUANTITIES OF WORK, SHOWN ON THESE CHECKED - SHEETS IS BASED ON LIMITED	ED BY:	CONNECTICUT OFFICE O	F ENGINEERING	DRAWIN
	- INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE	R.A. KENNEDY	CONNECTICUT OFFICE O	LINGINEERING	
	THE CONDITIONS OF ACTUAL QUANTITIES	SCALE IN FEET DEPARTMENT OF	TRANSPORTATION APPROVED BY:	DATE:	DRAWING TITLE:
. - -	of Work Which Will be required.		IRANSPORTATION		IMS TRENCHING DETAILS SHEET
	- 0	2800 44500			
EV. DATE REVISION DESCRIPTION	SHEET NO. Plotted Date: 7/9/2010	SSCALE 11"=2000' Filename:\CTDOT_HIGHWAY_OPS_G	D.dgn		



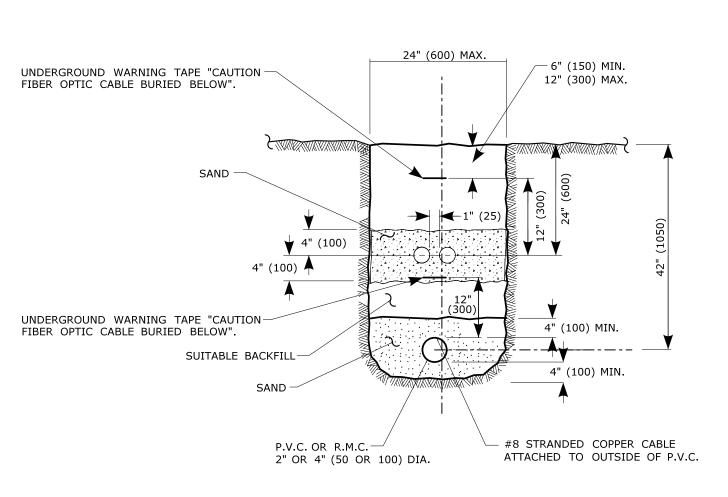
IDENTIFICATION POST DETAIL



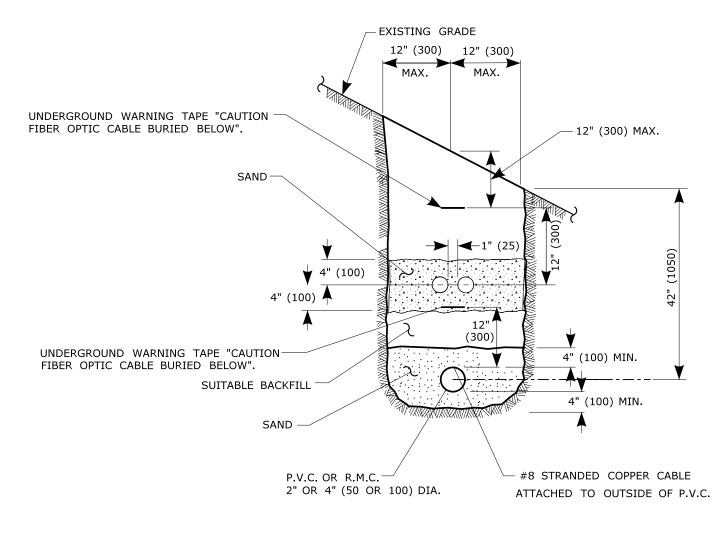
WARNING TAPE



SIGN FACE DETAIL

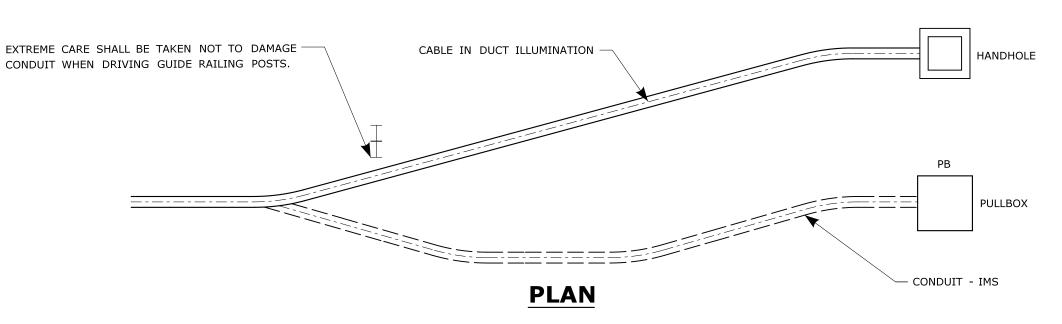


CONDUIT IN LEVEL EARTH



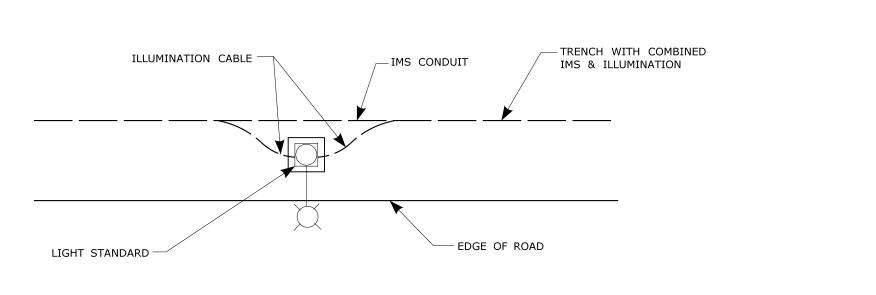
CONDUIT IN SLOPED EARTH

IMS CONDUIT UNDER ILLUMINATION TRENCHING DETAILS

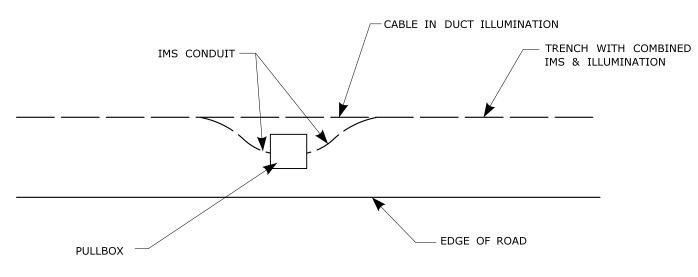


IMS CONDUIT & ILLUMINATION CABLE IN DUCT IN TRENCH WHERE SEPARATED AT

RAMP CROSSINGS AND BRIDGE STRUCTURES (TYP.)



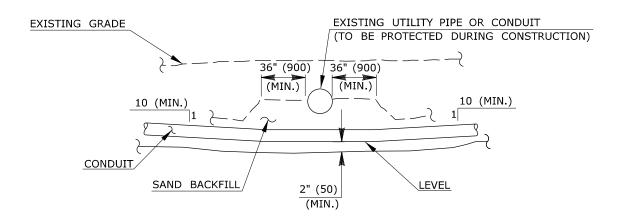
AT LIGHT STANDARD



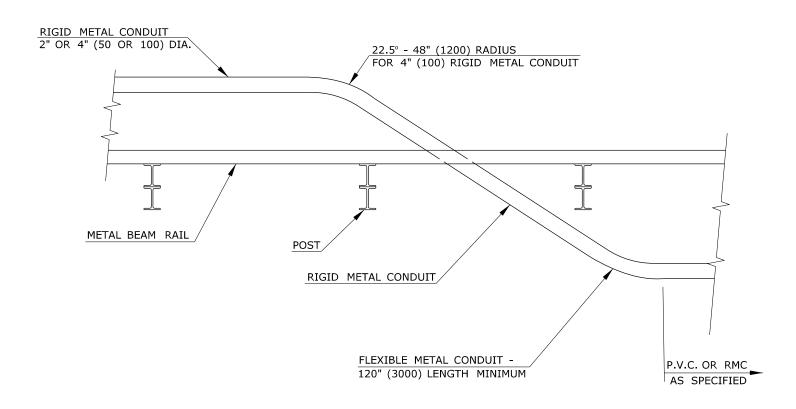
AT PULL BOX

TYPICAL TRENCH DETAILS FOR IMS CONDUIT

	DESIGNER/DRAFTER:	SIGNATURE/	OJECT TITLE: TOWN:	PROJECT NO.
THE INFORMATION, INCLUDING ESTIM	TED D.K. SWINBURNE	BLOCK:		
QUANTITIES OF WORK, SHOWN ON T SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND	STATE OF CO	NNECTICUT OFFICE OF ENGINEERING		DRAWING NO.
IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITY OF WORK WHICH WILL BE REQUIRED		PANSPOPTATION APPROVED BY: DATE:	DRAWING TITLE:	
	DEPARTMENT OF T	RANSPORTATION	IDENTIFICATION POST AND	SHEET NO.
1 8/5/14 REVISED NUMBER ON CBYD SIGN FACE DETAIL			IMS WITH ILLUMINATION DETAI	LS
REV. DATE REVISION DESCRIPTION SHEET NO. Plotted Date: 8/5/2014	Filename:\CTDOT_HIGHWAY_OPS_GD.dgn		1113 W1111 1223111W/1131V B21/12	

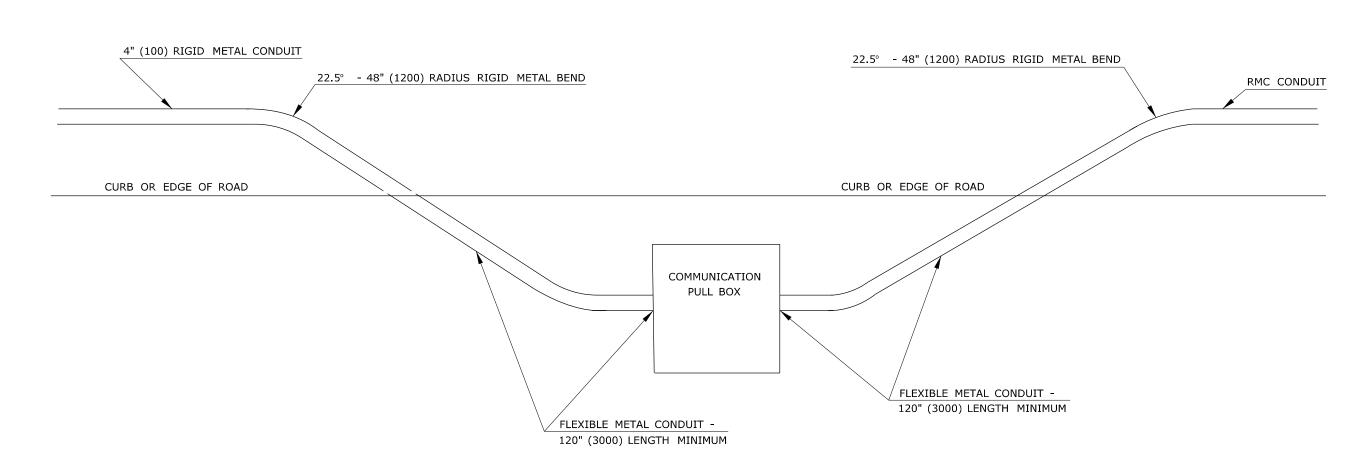


CONDUIT CROSSING UNDER EXISTING UTILITY



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.

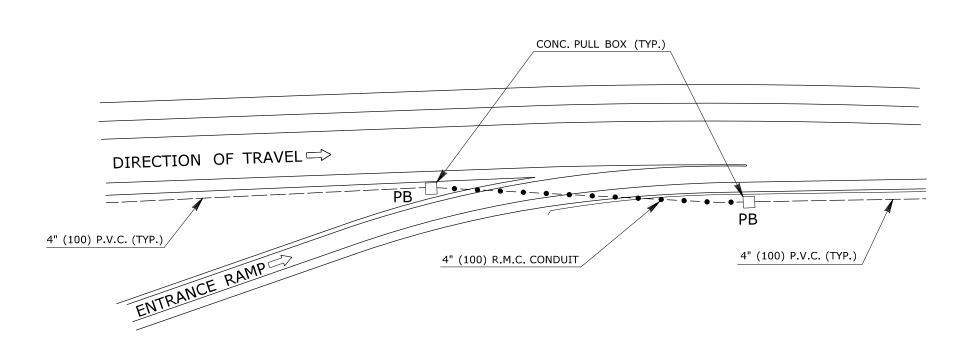
TYPICAL GUIDE RAIL CROSSING

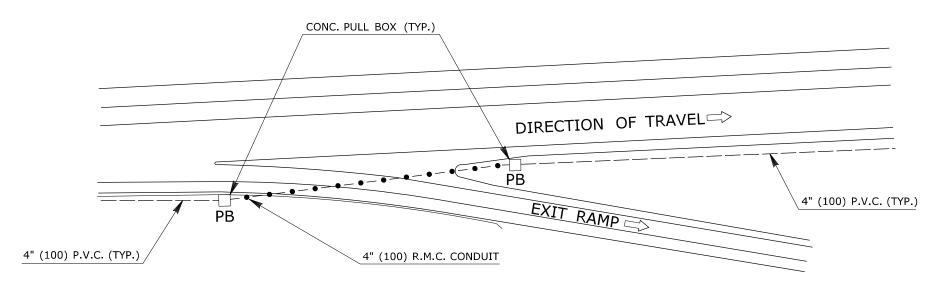


THE CONTRACTOR SHALL BE REQUIRED TO INSTALL A MINIMUM OF 120" (3000) OF FLEXIBLE CONDUIT ON EACH SIDE OF THE PULLBOX. THIS IS REQUIRED TO INSURE THAT THE INNERDUCTS ENTERING AND EXITING THE PULLBOX WILL LINE UP AND BE PERPINDICULAR TO THE SIDEWALL OF THE PULLBOX.

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

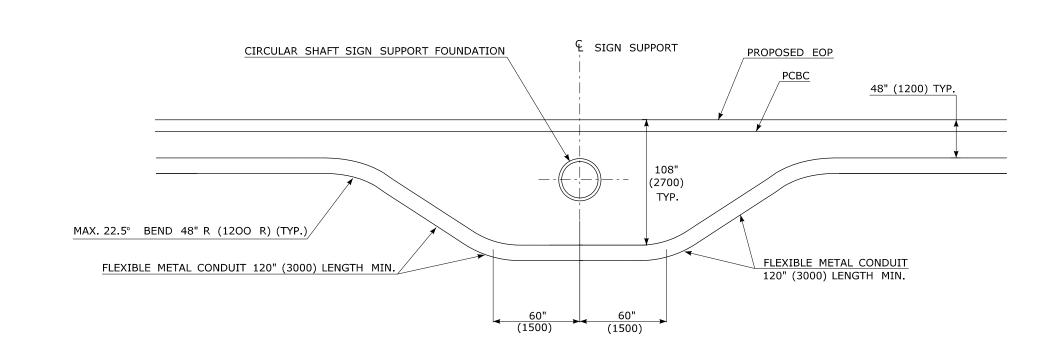
TYPICAL PULLBOX INSTALLATION - CONDUIT UNDER ROADWAY





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

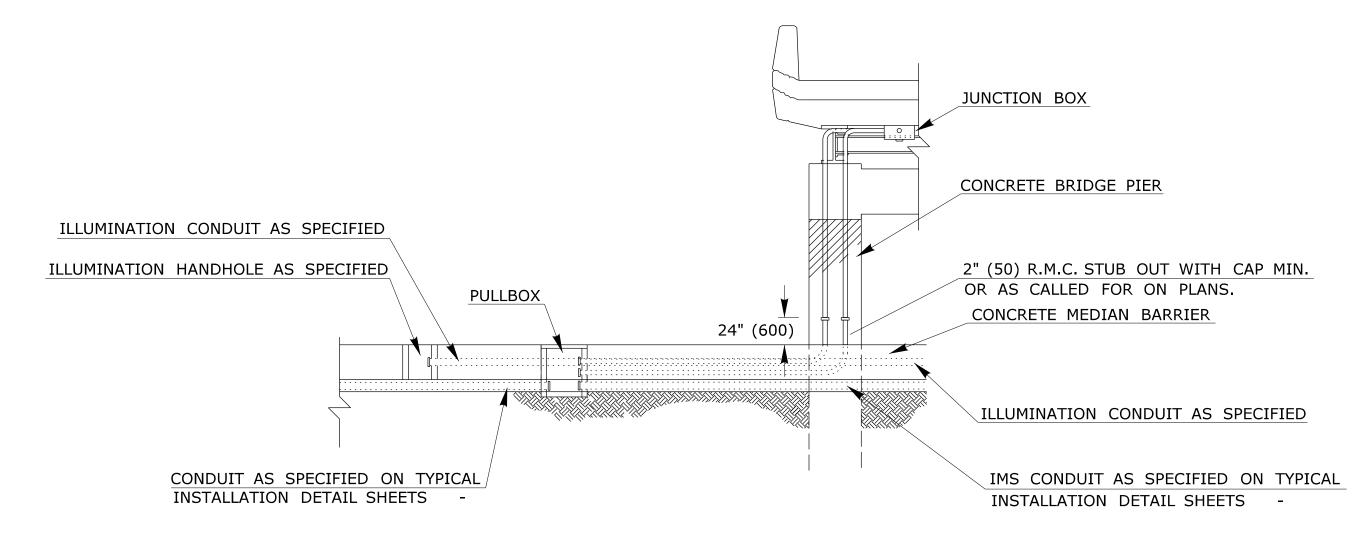


4" (100) CONDUIT TREATMENT AT SIGN SUPPORT

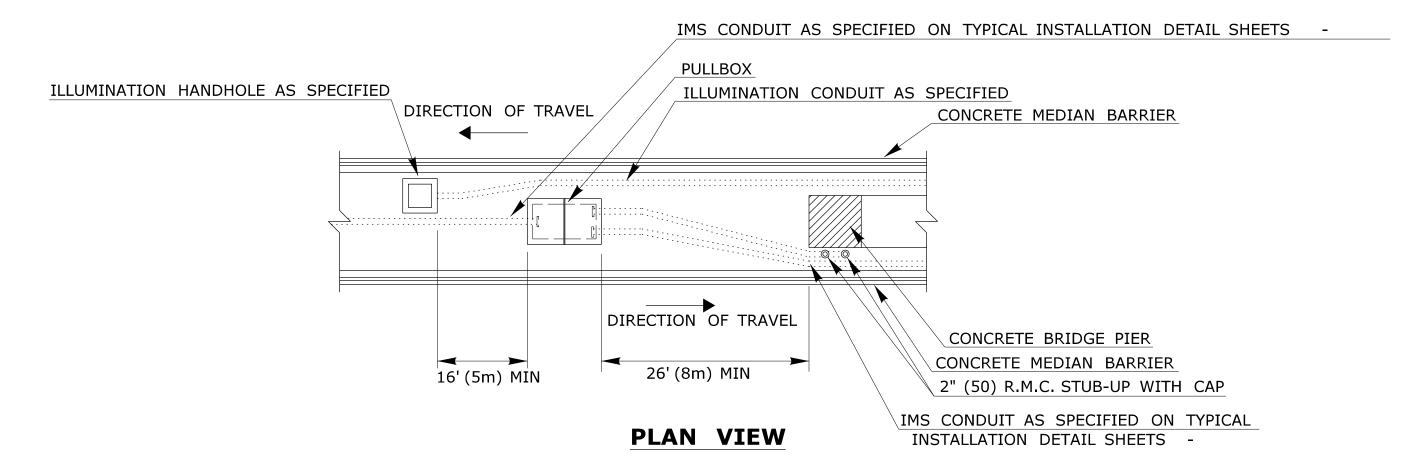
		DESIGNER/DRAFTER:		SIGNATURE/	PROJECT TITLE:	TOWN:	PROJECT NO.
		THE INFORMATION, INCLUDING ESTIMATED D.K. SWINBURNE		BLOCK:			
		QUANTITIES OF WORK, SHOWN ON THESE CHECKED BY:		OFFICE OF ENGINEERING			DRAWING NO.
		INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE R.A. KENNEDY	STATE OF CONNECTICOT	OTTICE OF ENGINEERING			
	-	THE CONDITIONS OF ACTUAL QUANTITIES SCALE IN FEET	DEPARTMENT OF TRANSPORTATION	APPROVED BY: DATE:		DRAWING TITLE:	
	· -	OF WORK WHICH WILL BE REQUIRED.	DEFARTIENT OF TRANSFORTATION			TYPICAL IMS CONDUIT	SHEET NO.
	-					CROSSING DETAILS	
REV. DATE	REVISION DESCRIPTION SHEET NO	Plotted Date: 7/9/2010 SSCALE 11"=2800'	Filename:\CTDOT_HIGHWAY_OPS_GD.dgn			CROSSING DETAILS	

NOTES:

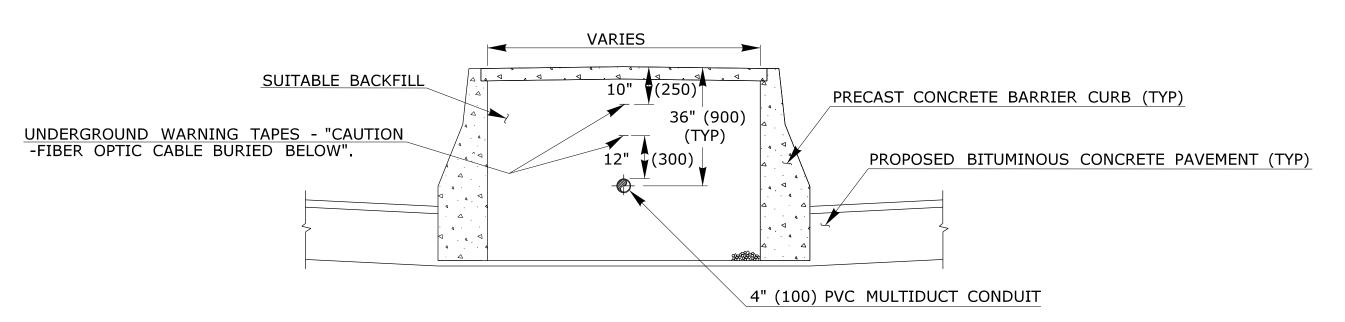
- 1. THE DETAIL PROVIDED PRESENTS A TYPICAL MEDIAN CROSS-SECTION. FOR MORE DETAILS, REFER TO CIVIL DRAWINGS.
- 2. FOR DETAILS ON CONDUIT ATTACHMENT TO UNDERSIDE OF BRIDGE, REFER TO THE TYPICAL INSTALLATION DETAIL SHEETS .



ELEVATION

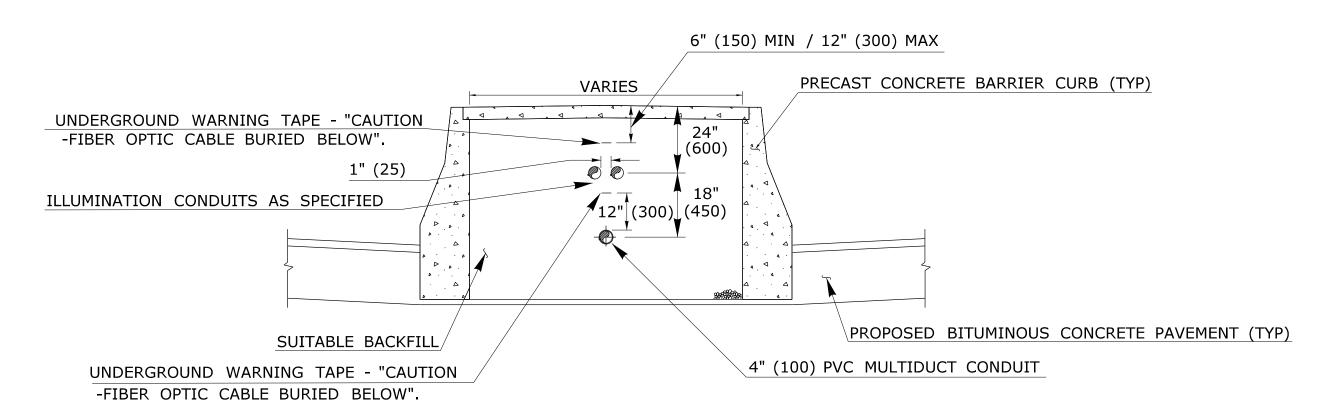


CONDUIT INSTALLATION ADJACENT TO BRIDGE PIER

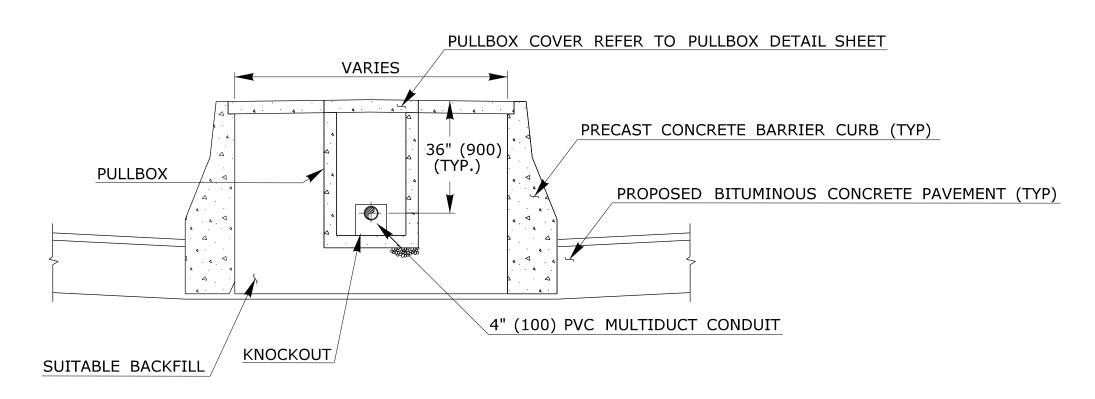


4" (100) P.V.C. INSTALLED IN MEDIAN

(TYPICAL SECTION)

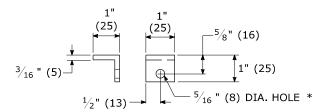


4" (100) P.V.C. INSTALLED IN MEDIAN WITH ILLUMINATION CONDUIT



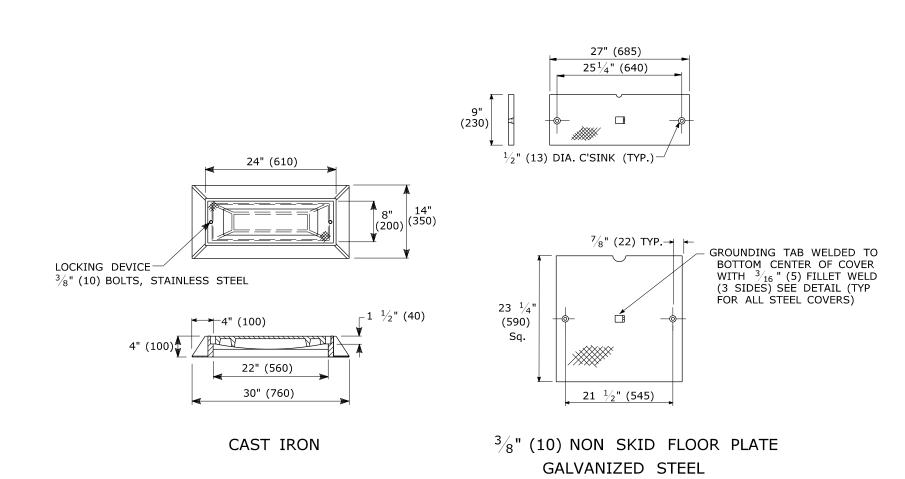
P.V.C. AND PULLBOX INSTALLED IN MEDIAN (TYPICAL SECTION)

	DESIGNER/DRAFTER:		SIGNATURE/	PROJECT TITLE:	TOWN:	PROJECT NO.
-	THE INFORMATION, INCLUDING ESTIMATED D.K. SWINBURNE		BLOCK:			
-	QUANTITIES OF WORK, SHOWN ON THESE CHECKED BY:		OFFICE OF ENGINEERING			DRAWING NO.
-	INVESTIGATIONS BY THE STATE AND IS IN NO. WAY WARRANTED TO INDICATE	SIAIE OF CONNECTICOT	OTTICE OF ENGINEERING			
-	10 10 10 10 10 10 10 10 10 10 10 10 10 1	DEPARTMENT OF TRANSPORTATION	APPROVED BY: DATE:		DRAWING TITLE:	
_	OF WORK WHICH WILL BE REQUIRED.	DEPARTMENT OF TRANSPORTATION			TYPICAL IMS CONDUIT	SHEET NO.
-	- - 0 2800 4450					
REV.	DATE REVISION DESCRIPTION SHEET NO. Plotted Date: 7/9/2010 SSCALE 11"=2800'	Filename:\CTDOT_HIGHWAY_OPS_GD.dgn			MEDIAN DETAILS	



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

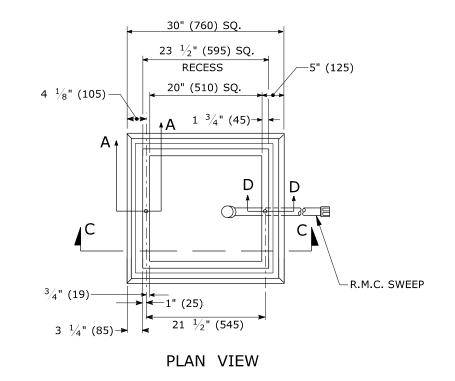
STEEL GROUNDING TAB

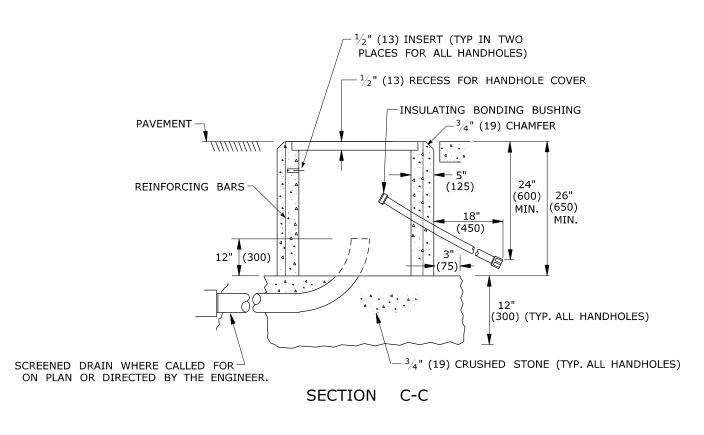


HANDHOLE COVERS

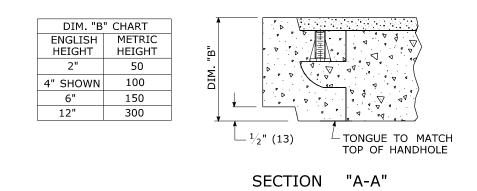
CONCRETE HANDHOLE NOTES:

- 1) BLOCK UNUSED OPENINGS OF HANDHOLE ON THE OUTSIDE WITH PRESSURE TREATED PLYWOOD.
- 2) GROUT AROUND ALL CONDUITS
- 3) USE $1\frac{1}{2}$ " X $\frac{3}{8}$ " (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.

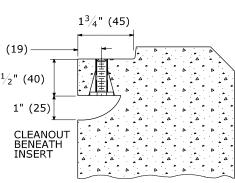




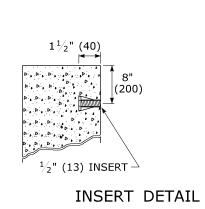
CONCRETE HANDHOLE CLASS "A" CONCRETE

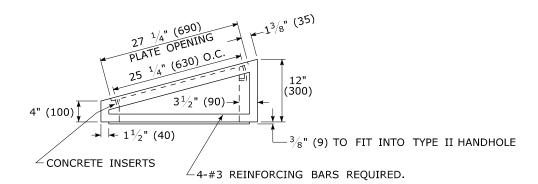


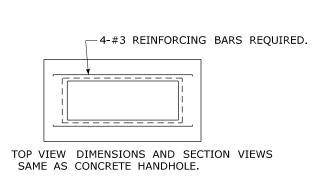
HANDHOLE EXTENSIONS 12 - #8 REINFORCING BARS REQ'D



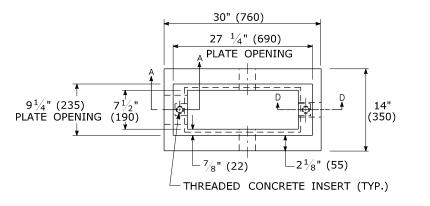
SECTION "D-D"

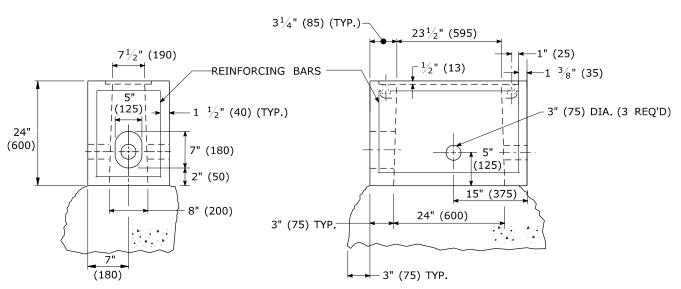






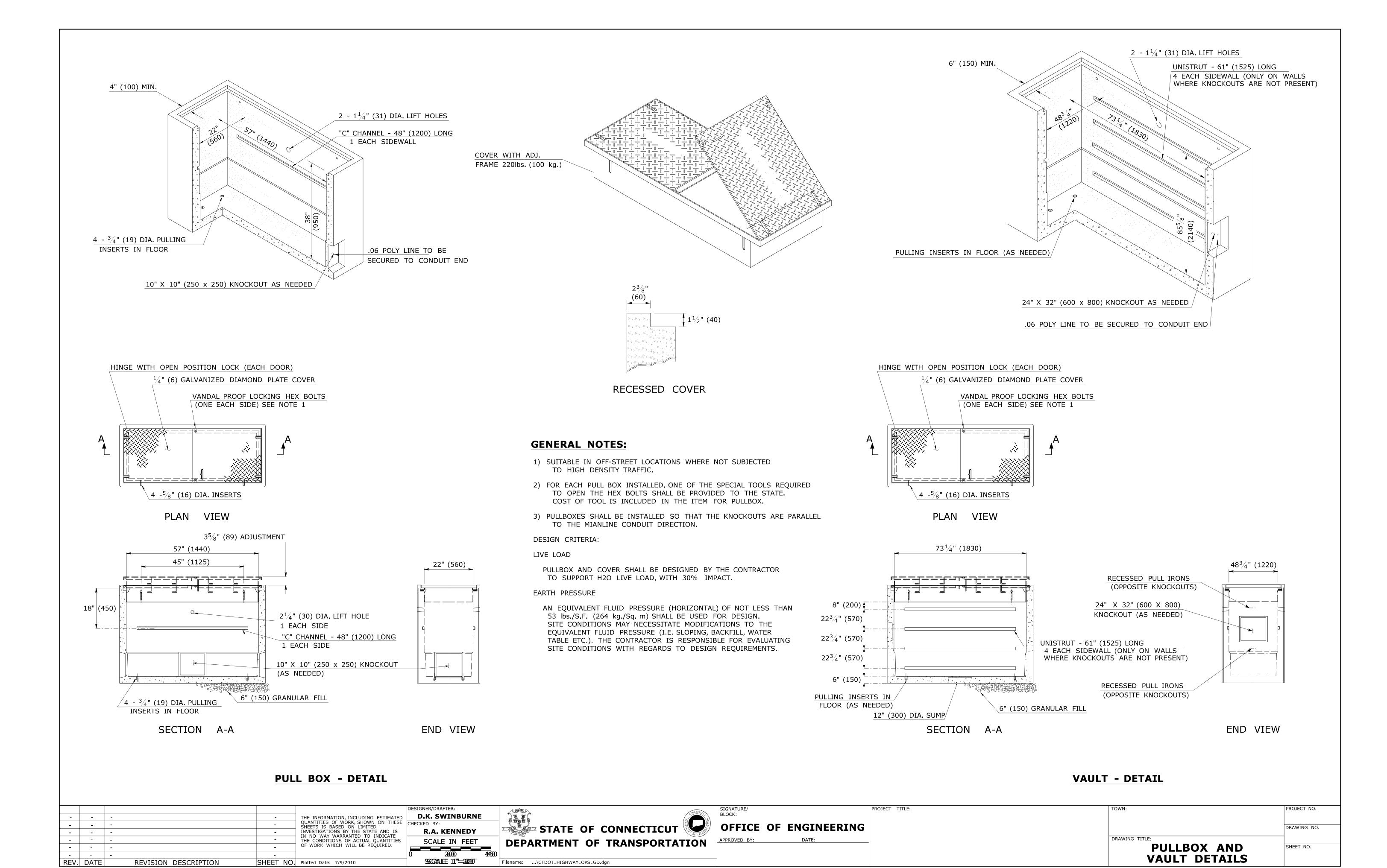
CONCRETE HANDHOLE TYPE II BANK ADAPTER

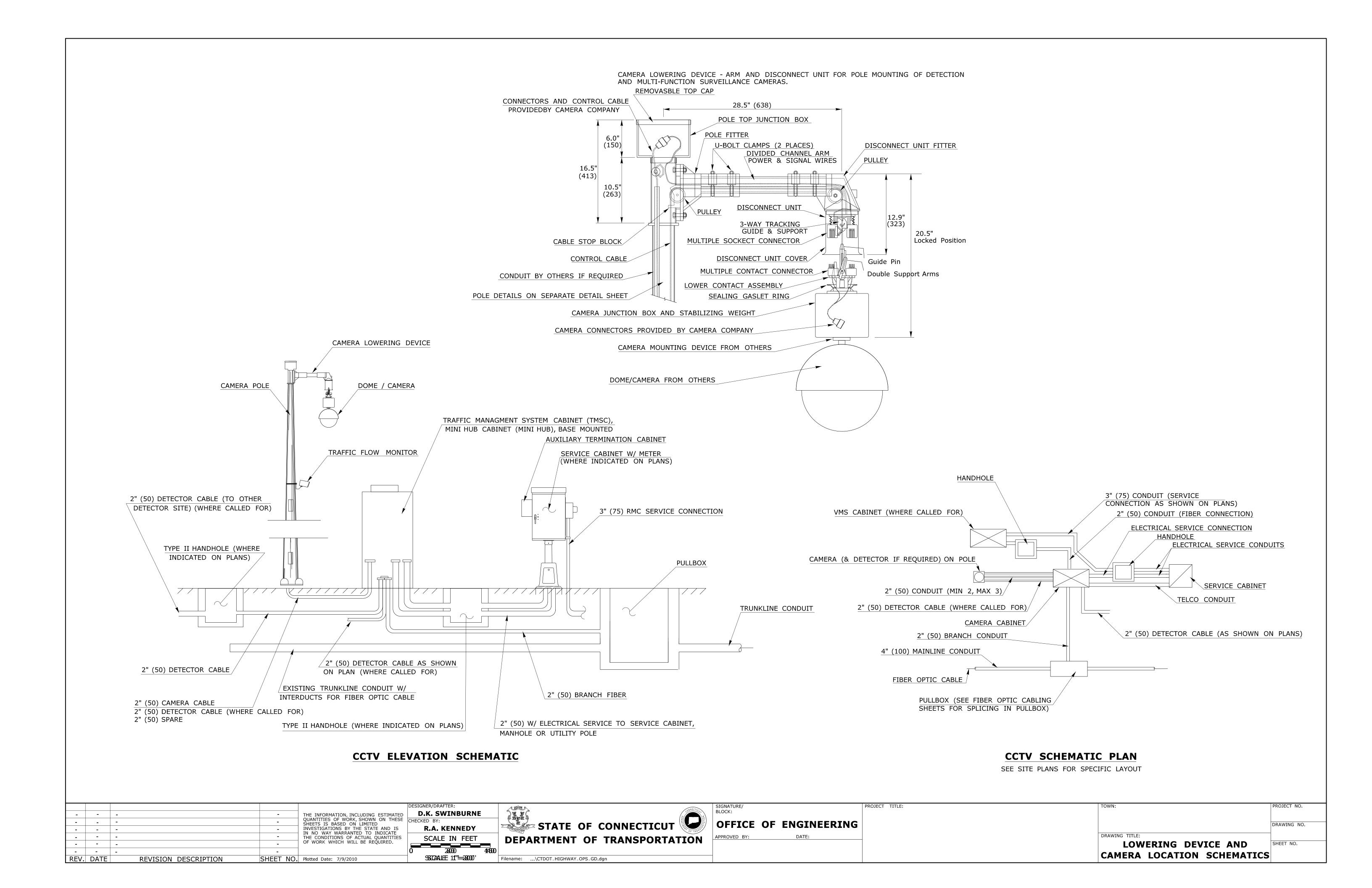


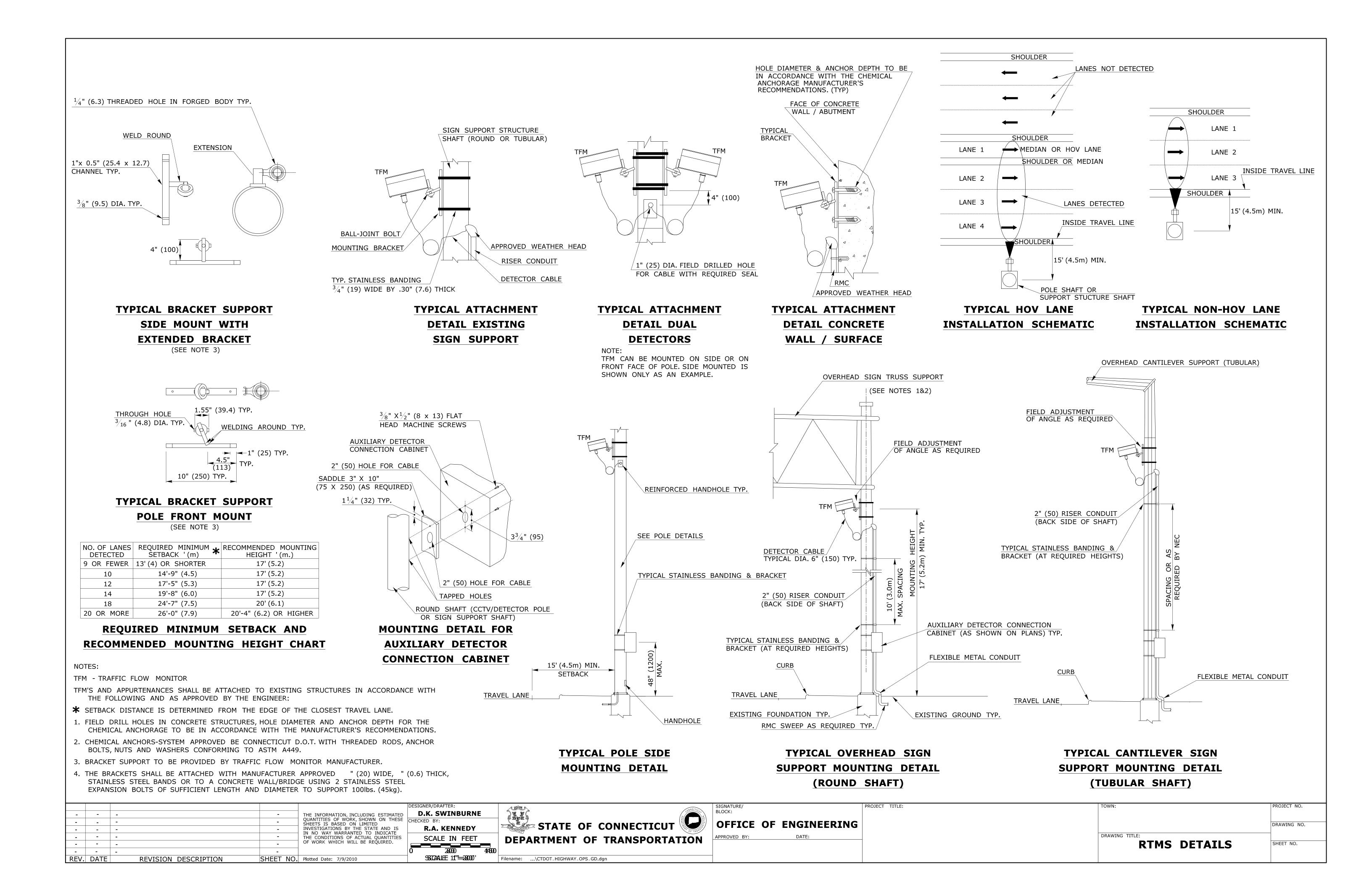


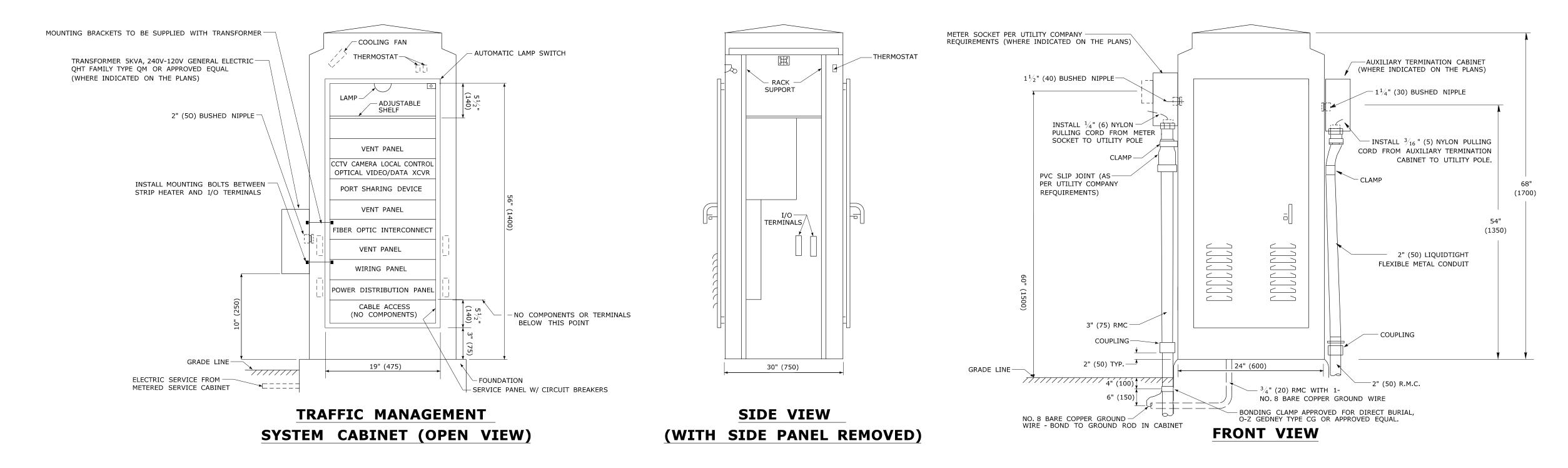
CONCRETE HANDHOLE TYPE II
CLASS "C" CONCRETE

	- THE INFORMATION, INCLUDING EST	DESIGNER/DRAFTER: MATED D.K. SWINBURNE	CONNECTICITY	SIGNATURE/ BLOCK:	PROJECT TITLE:	TOWN:	PROJECT NO.
	QUANTITIES OF WORK, SHOWN ON SHEETS IS BASED ON LIMITED - INVESTIGATIONS BY THE STATE AN	o is R.A. KENNEDY	STATE OF CONNECTICUT	OFFICE OF ENGINEERING			DRAWING NO.
	- IN NO WAY WARRANTED TO INDIC THE CONDITIONS OF ACTUAL QUAN OF WORK WHICH WILL BE REQUIR		DEPARTMENT OF TRANSPORTATION	APPROVED BY: DATE:		CONCRETE HANDHOLE	SHEET NO.
REV. DATE	- REVISION DESCRIPTION SHEET NO. Plotted Date: 7/9/2010	0 28000 4490 S\$C2AUE 11"≔2800'	Filename:\CTDOT_HIGHWAY_OPS_GD.dgn			DETAILS	

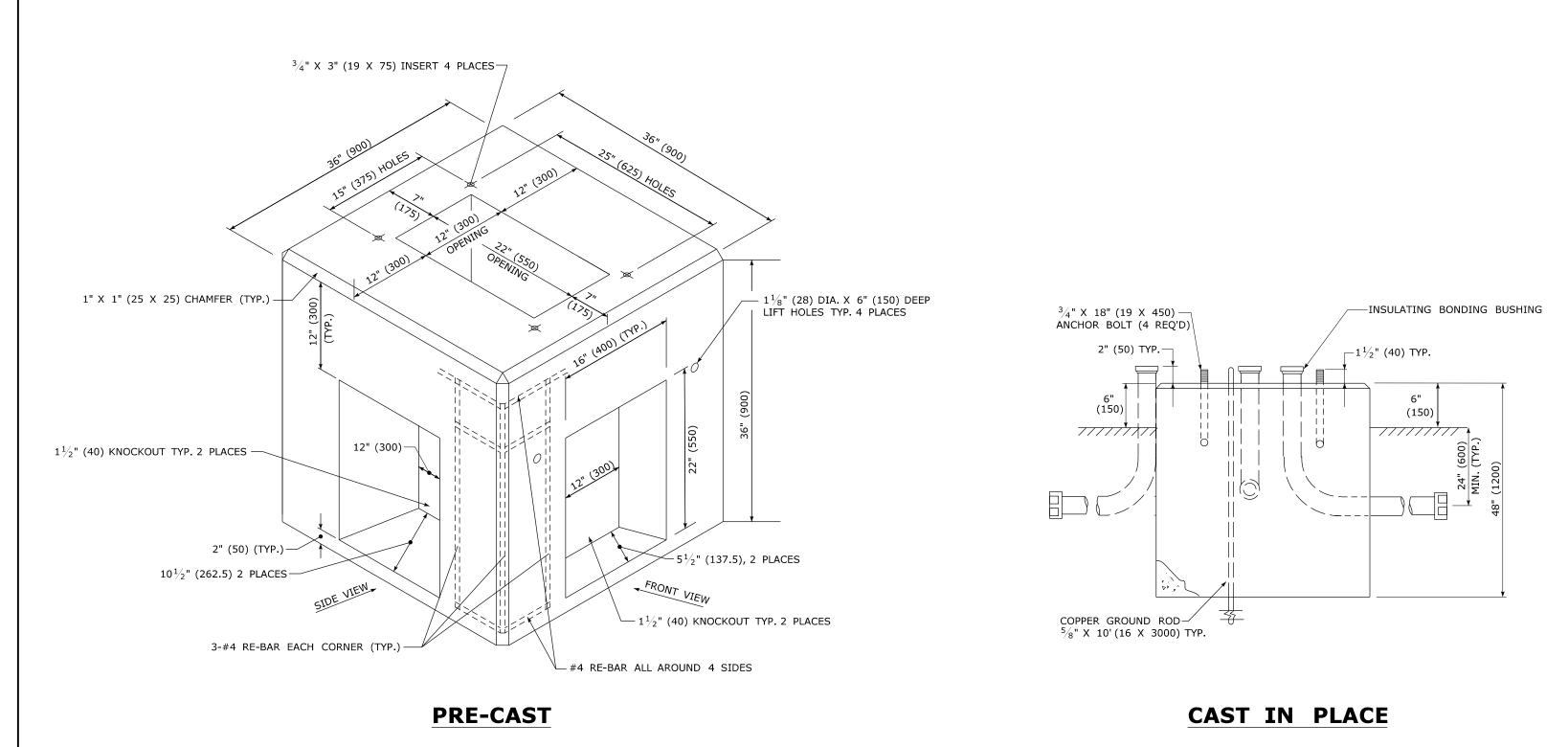








TRAFFIC MANAGEMENT SYSTEM CABINET AND MINI-HUB CABINET



TRAFFIC CONTROL FOUNDATION - CONTROLLER - TYPE IV MODIFIED

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.

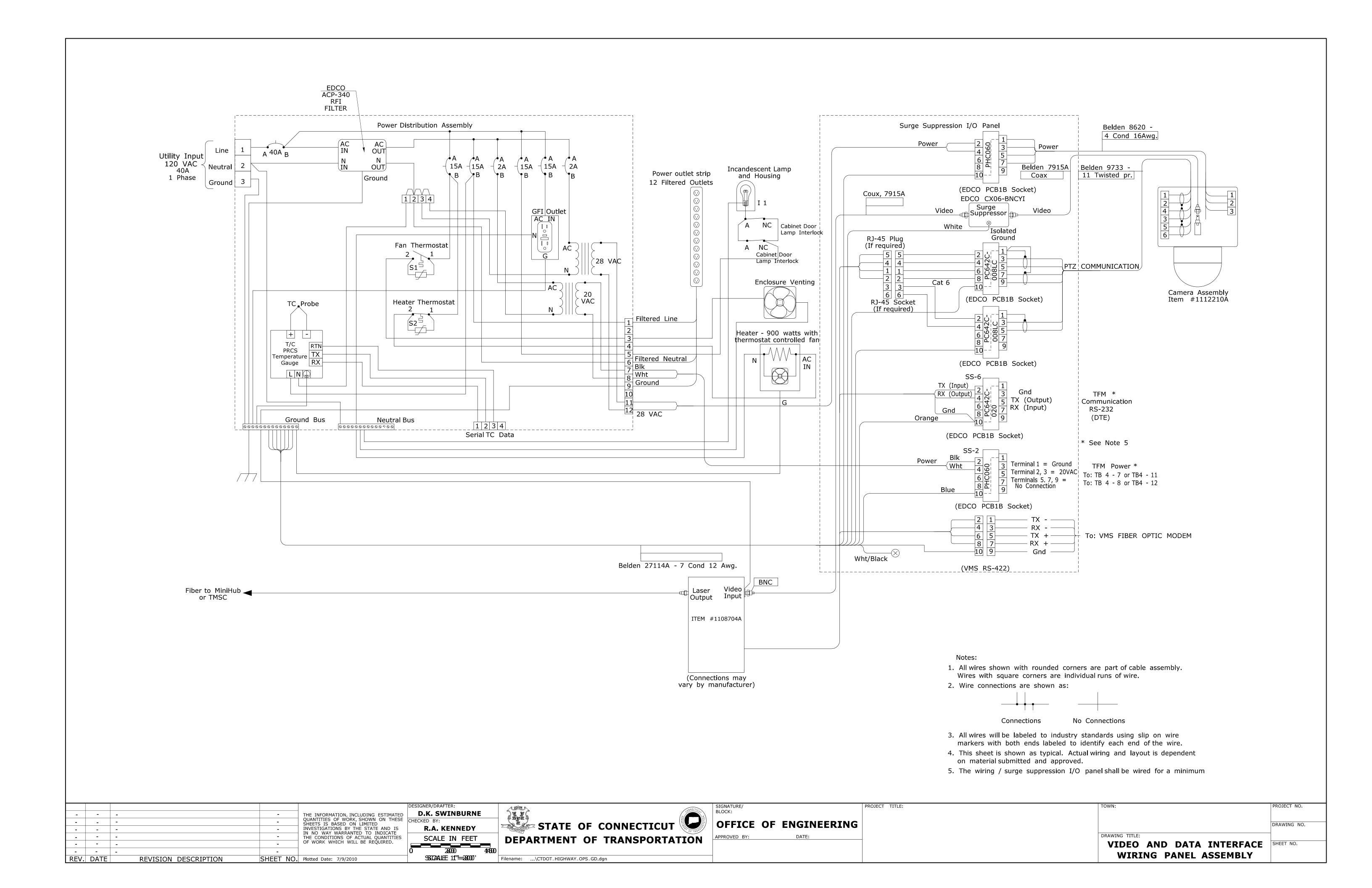
TRAFFIC CONTROL FOUNDATION NOTES, GENERAL:

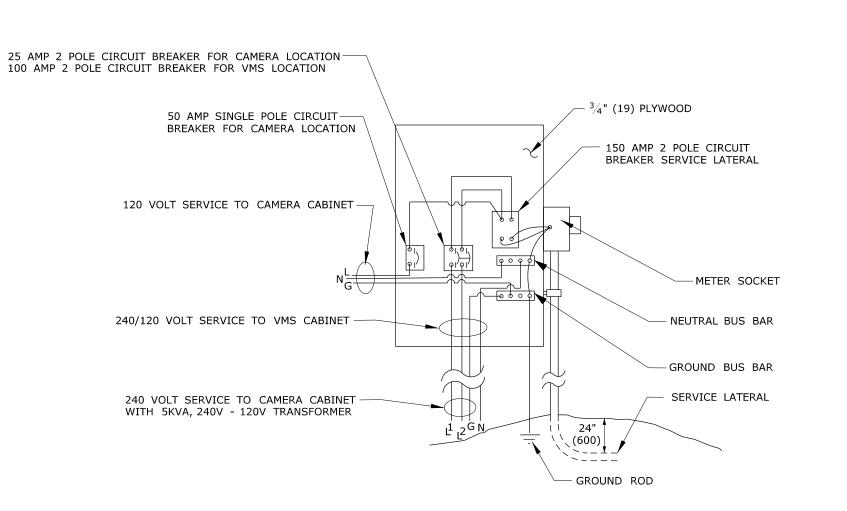
- 1. INSTALL FOUNDATION ON 6" (150) COMPACTED GRAVEL, IN ACCORDANCE WITH SECTION 2.14.
- 2. LEVEL FOUNDATION WITH A PROJECTION OF 6" (150) ABOVE FINISHED GRADE.
- 3. CONCRETE: CLASS "F" CONFORMING TO ARTICLE M. 03-01.
- 4. #4 RE-BAR, 2" (50) MIN. COVER AROUND ALL OPENINGS. 3 #4 RE-BARS IN EACH CORNER.
- 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 $\frac{3}{4}$ " (19) HEX HEAD BOLTS 3 " (75) LONG.
- 4. INSTALL A $\frac{5}{8}$ " X 10' (16 X 3000) COPPER GROUND ROD.

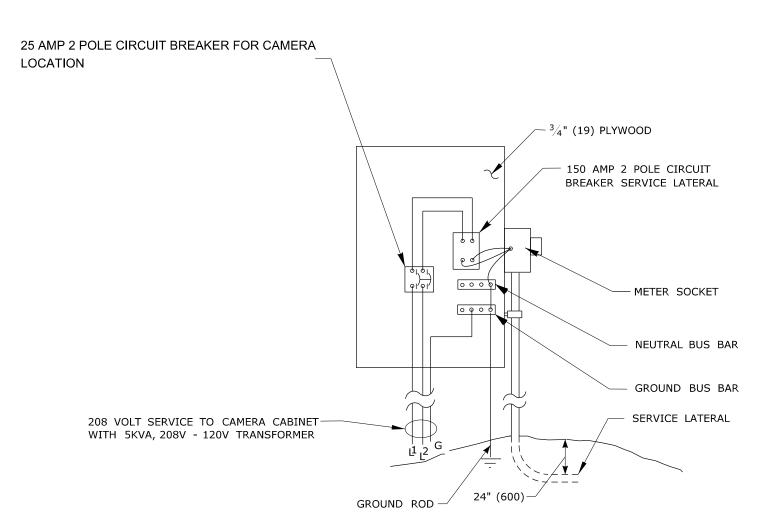
		DESIGNER/DRAFTER:	UNECT:	SIGNATURE/	PROJECT TITLE:	TOWN:	PROJECT NO.
		THE INFORMATION, INCLUDING ESTIMATED D.K. SWINBURNE		BLOCK:			
	· -	QUANTITIES OF WORK, SHOWN ON THESE CHECKED BY:		OFFICE OF ENGINEERING			DRAWING NO.
	-	INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE	STATE OF CONNECTICOT				
	·	THE CONDITIONS OF ACTUAL QUANTITIES SCALE IN FEET	DEPARTMENT OF TRANSPORTATION	APPROVED BY: DATE:	_	DRAWING TITLE:	
	· -	OF WORK WHICH WILL BE REQUIRED.				CAMERA CABINET DETAILS	, SHEET NO.
	<u>-</u>						
REV. DATE	REVISION DESCRIPTION SHEET NO	. Plotted Date: 7/9/2010 SSCALE 11"=2800'	Filename:\CTDOT_HIGHWAY_OPS_GD.dgn				



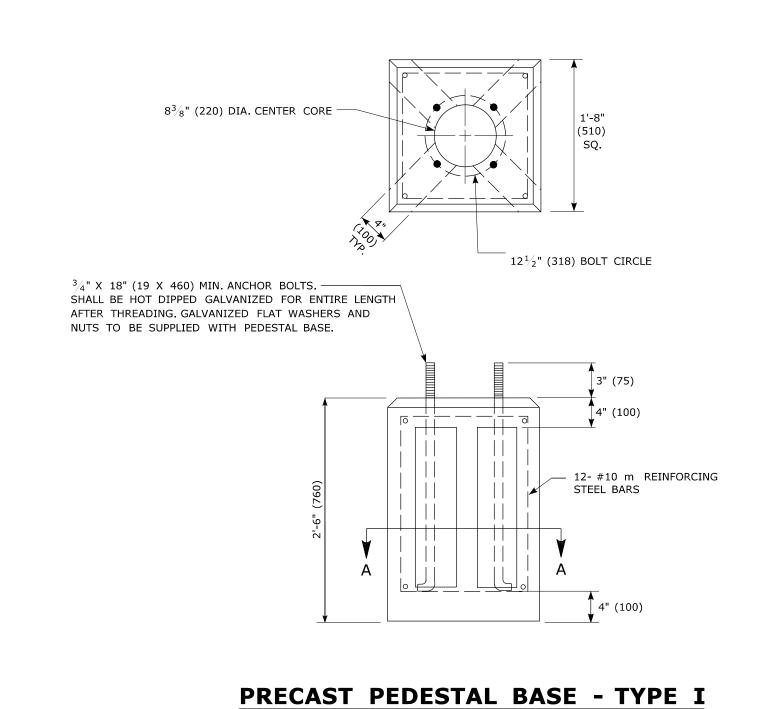


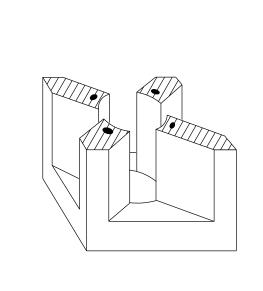
SERVICE CABINET LAYOUT

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

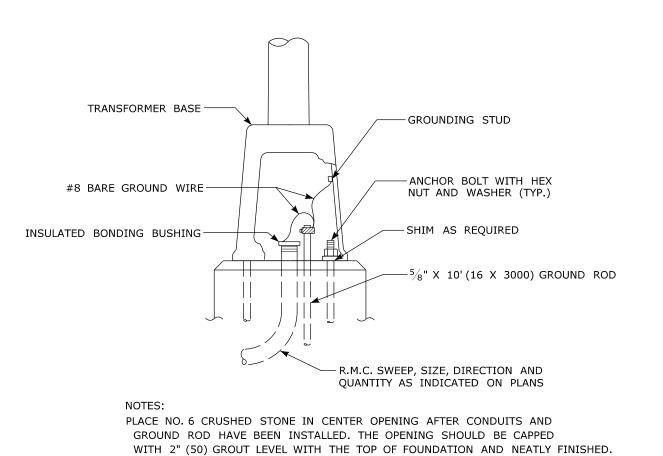


SERVICE (208 VOLT)



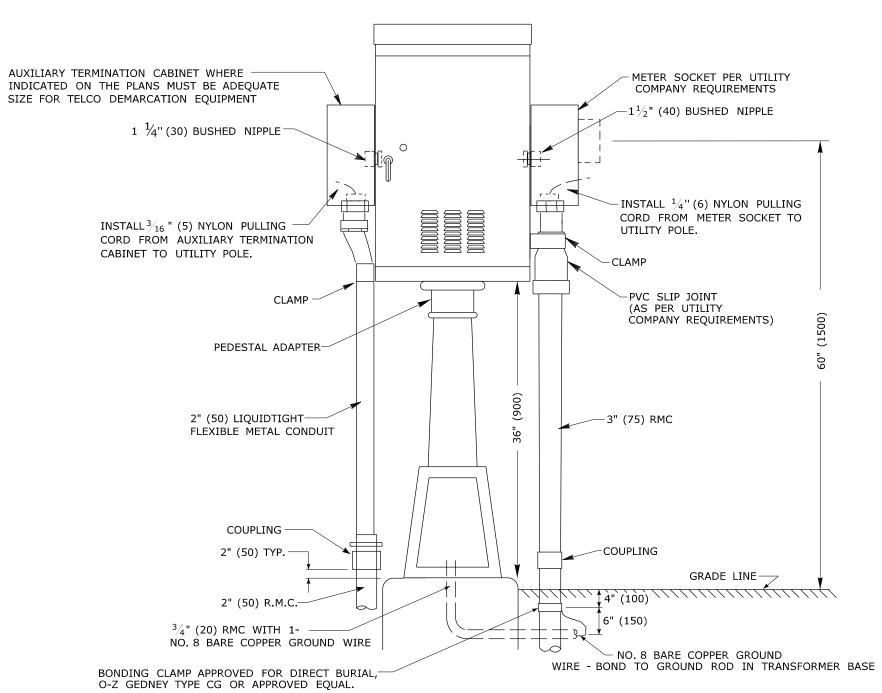


SECTION A - A



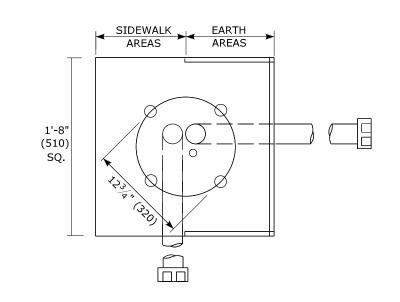
36" (900) ALUMINUM PEDESTAL

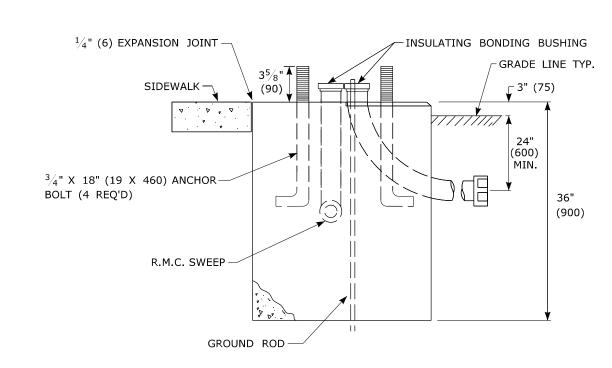
THE GROUT SHALL CONFORM WITH THE REQUIREMENTS OF ARTICLE M.03.01-12.



PEDESTAL MOUNTED CABINET

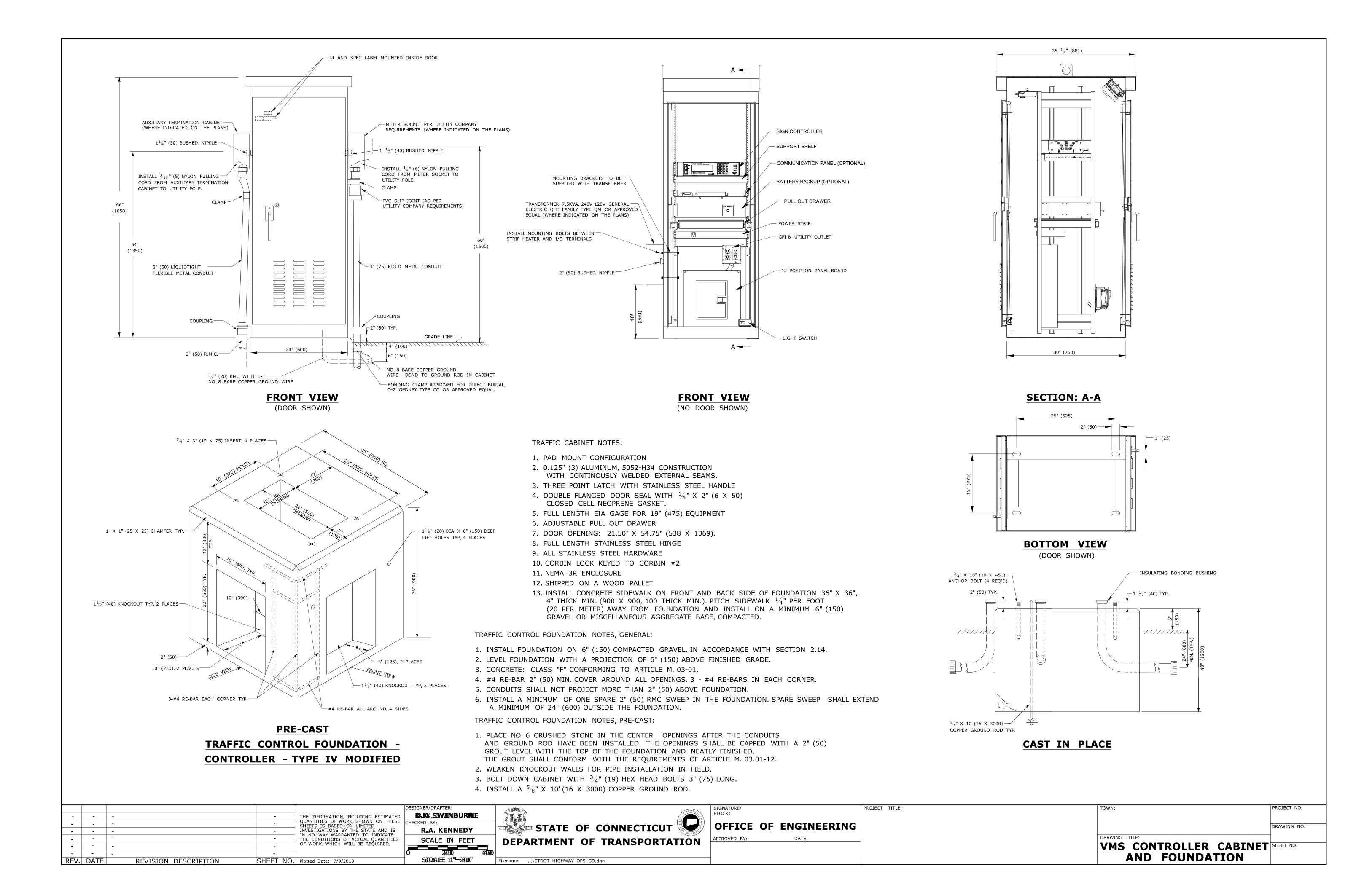
CABINET TYPE	HEIGHT	WIDTH	DEPTH
SERVICE CABINET	36" (900)	20" (500)	16" (400)
AUX. TERM. CABINET	16" (400)	12" (300)	6" (150)

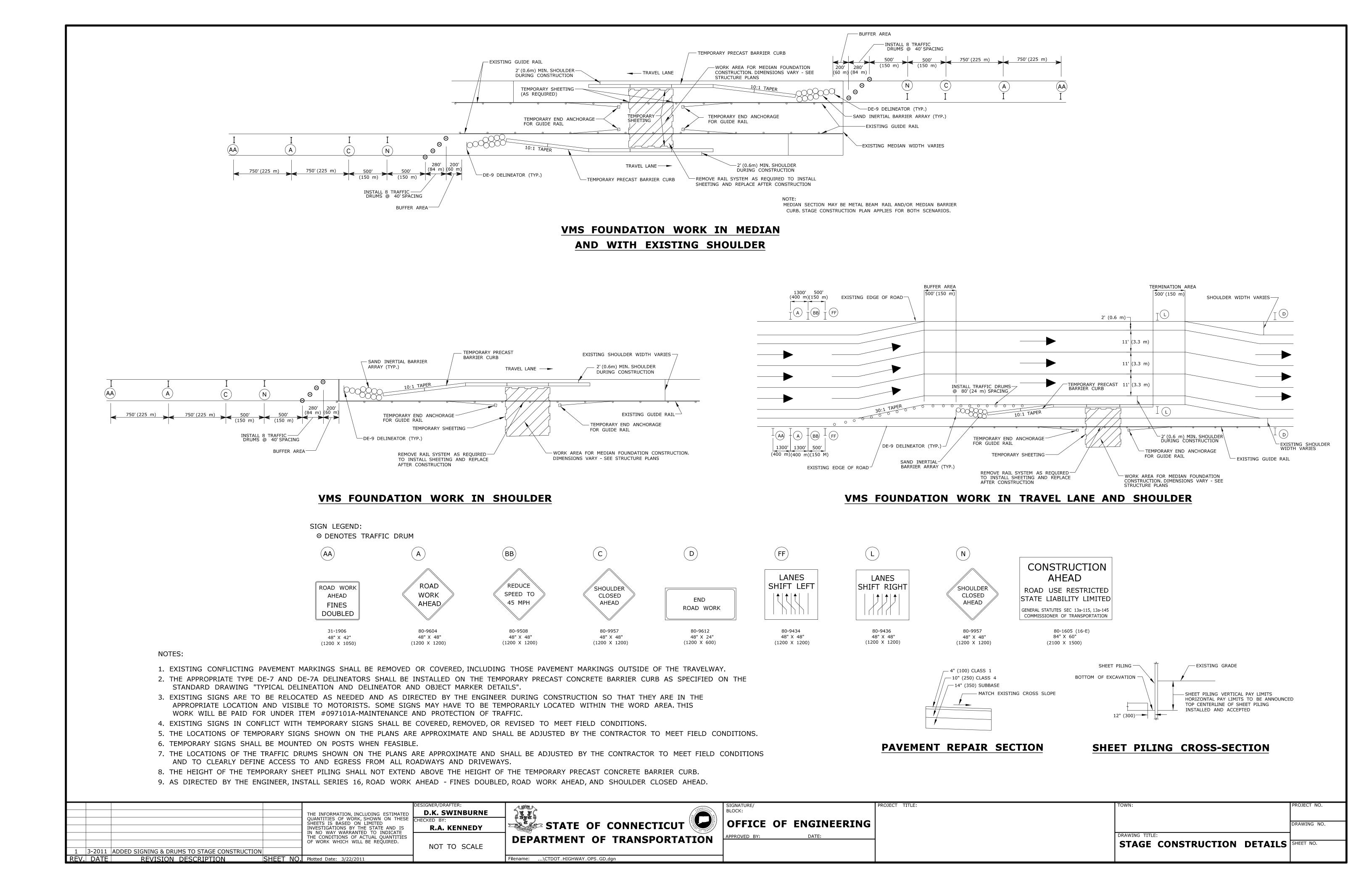


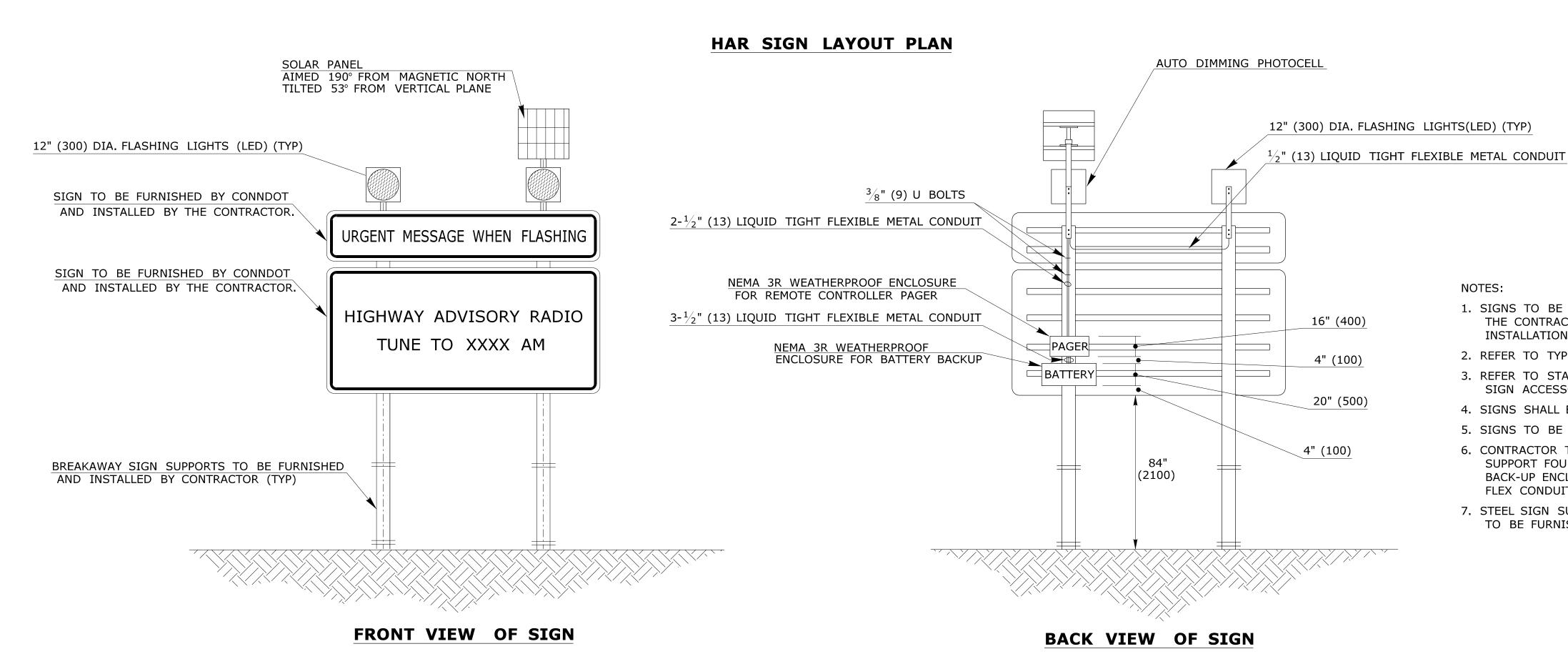


TRAFFIC CONTROL FOUNDATION PEDESTAL TYPE I

	DE DE	SIGNER/DRAFTER:	NNECT AND	SIGNATURE/	PROJECT TITLE:	TOWN:	PROJECT NO.
-		D.K. SWINBURNE		BLOCK:			
-	QUANTITIES OF WORK, SHOWN ON THESE CH SHEETS IS BASED ON LIMITED	ECKED BY:		OFFICE OF ENGINEERING			DRAWING NO.
	INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE	R.A. KENNEDY	SIAIL OF CONNECTION			DRAWING TITLE	
-	THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.	SCALE IN FEET	DEPARTMENT OF TRANSPORTATION	APPROVED BY: DATE:	_	TYPICAL FLECTRICAL	SHEET NO.
-		2800 4/800				TYPICAL ELECTRICAL	SHEET NO.
RFV	DATE REVISION DESCRIPTION SHEET NO. Plotted Date: 7/9/2010	\$\$C\$AUE 11"=2800' Fi	ilename:\CTDOT_HIGHWAY_OPS_GD.dgn			AND ATC DETAILS	

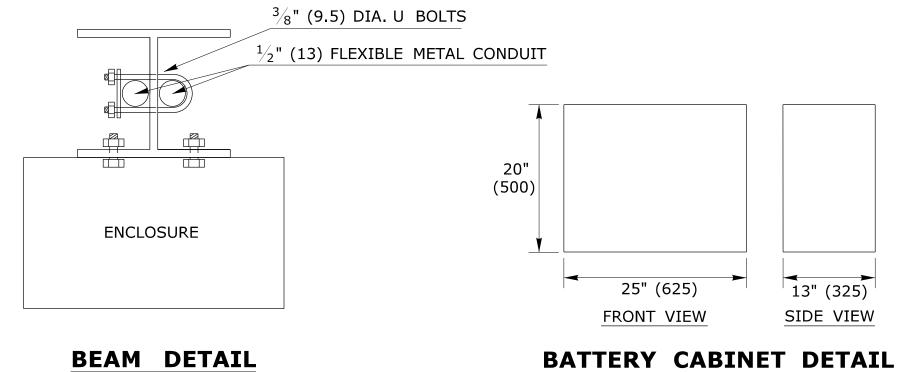






- 1. SIGNS TO BE FURNISHED BY THE DEPARTMENT AND INSTALLED BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE SIGN ORDER AND INSTALLATION. THE CONTRACTOR SHALL CALL (860) 258-4675 TO REQUEST SIGN ORDER.
- 2. REFER TO TYPICALS SHEETS ENTITLED "POST MOUNTED SIGNS ON BREAKAWAY COUPLING SYSTEM".
- 3. REFER TO STANDARD SHEETS ENTITLED "SIGN FACE SHEET ALUMINUM, LARGE SIGN ACCESSORY AND MOUNTING DETAILS.
- 4. SIGNS SHALL BE ORDERED FROM DOT SIGN CATALOG #52-5910 AND 41-5905.
- 5. SIGNS TO BE INSTALLED BY THE CONTRACTOR USING DOUBLE SIDED MOUNTING TAPE.
- 6. CONTRACTOR TO SUPPLY AND INSTALL STEEL SIGN SUPPORTS, STEEL, SIGN SUPPORT FOUNDATIONS, PAGER AND PAGER CONTROL ENCLOSURE, BATTERY BACK-UP ENCLOSURE WITH BATTERIES, SOLAR PANEL, FLASHING LIGHTS, FLEX CONDUIT, MOUNTING HARDWARE AS NEEDED AND DOUBLE SIDED TAPE.
- 7. STEEL SIGN SUPPORTS AND STEEL SIGN SUPPORT FOUNDATIONS TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

SCHEDULE OF MATERIALS						
	QTY	HEIGHT	WIDTH	DEPTH	WEIGHT lbs. (kg)	METHOD OF MOUNTING
SOLAR PANEL	1	44" (1100)	26" (660)	7 5/8" (190)	75 (34)	$2\frac{1}{2}$ " (65) GALVANIZED TUBING (SEE MOUNT BELOW)
MOUNT FOR SOLAR PANEL	1	60" (1500)	2" (50)	2" (50)	20 (9)	2 EACH 65mm (1.0)X9.5mm U-BOLT (STAINLESS STEEL)
FLASHING LIGHTS(LED)	2	12" (300)	12" (300)	18" (450)	$14\frac{1}{2}(6.6)$	$1\frac{1}{2}$ " (38) U-CHANNEL
MOUNT FOR FLASHING LIGHTS	2	30" (750)	1½" (38)	1½" (38)	10 (4.5)	2 EACH $\frac{3}{8}$ " (9.5) STAINLESS STEEL BOLT PER LIGHT
PAGER CABINET	1	16" (400)	12" (300)	111/8" (280)	28 (12.7)	4 EACH $\frac{3}{8}$ " (9.5) STAINLESS STEEL BOLT
BATTERY CABINET	1	20" (500)	25" (625)	13" (325)	150 (68)	4 EACH $\frac{3}{8}$ " (9.5) STAINLESS STEEL BOLT
BATTERIES	1		SEE SPECI	FICATIONS		AS PER MANUFACTURER'S SPECIFICATIONS
LARGE (LOWER) SIGN	1	60" (1500)	144" (3600)	-	-	SEE TYPICAL DRAWINGS
SMALL (UPPER) SIGN	1	18" (450)	144" (3600)	-	-	SEE TYPICAL DRAWINGS
STEEL SIGN SUPPORT	2	AS REQUIR	ED IN STA	TE TYPICAL	DRAWINGS	-
FLEXIBLE CONDUIT	-		1/2" (13)			SEE BEAM DETAIL 9.5MM UBOLTS
STEEL SUPPORT FOUNDATIONS	PPORT FOUNDATIONS 2 AS REQUIRED IN STATE TYPICAL DRAWINGS					
ALL EQUIPMENT TO BE MOUNTED TO SIGN POST BY FIELD DRILLING AND BOLTING DIRECTLY TO STEEL						

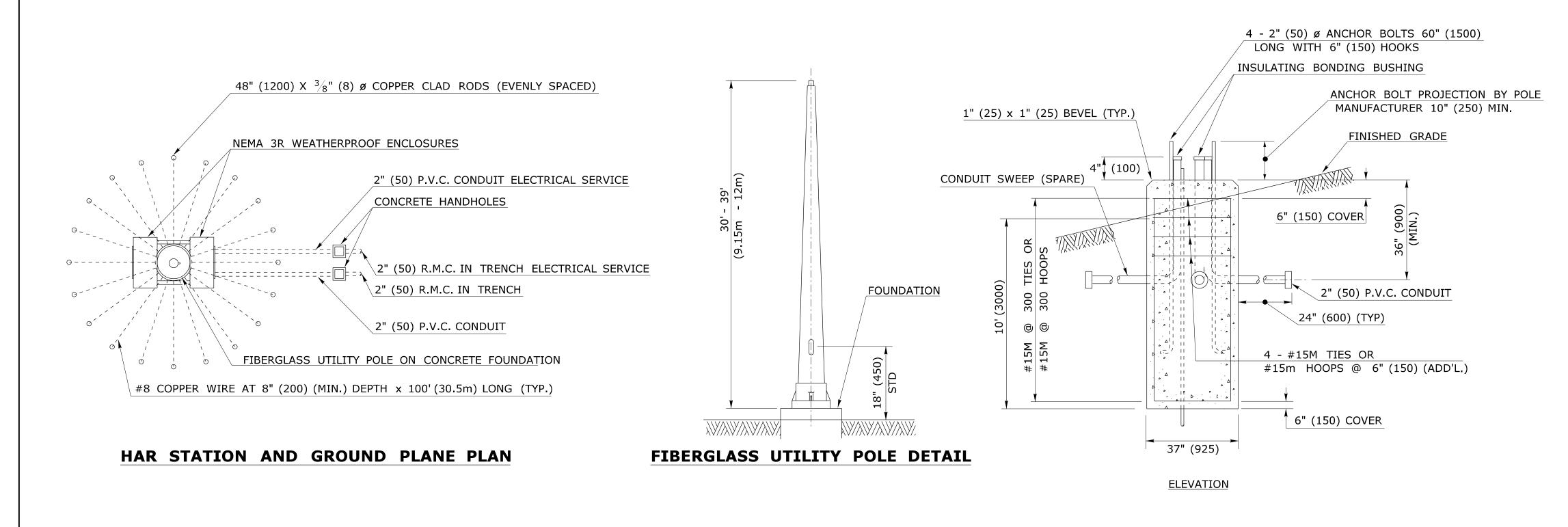


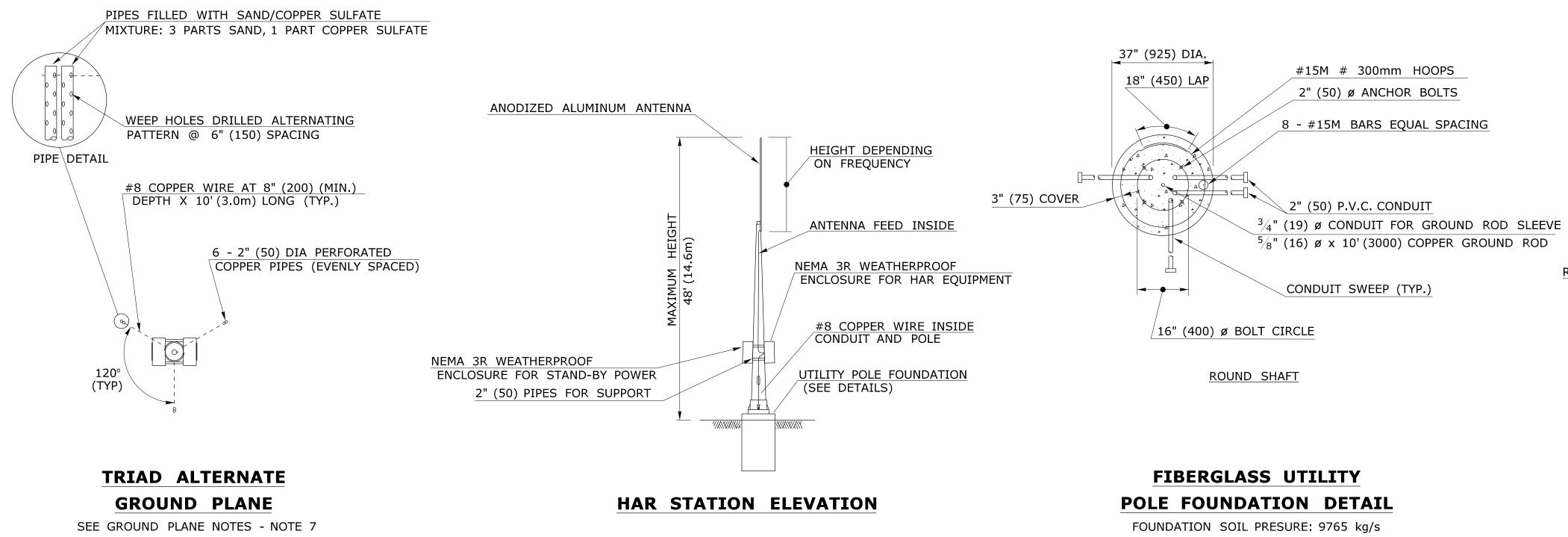
16" (400) 12" (300) $11\frac{1}{4}$ " (280) SIDE VIEW FRONT VIEW

BATTERY CABINET DETAIL

PAGER CABINET DETAIL

		DESIGNER/DRAFTER:	(A)E)	SIGNATURE/	PROJECT TITLE:	TOWN:	PROJECT NO.
		THE INFORMATION, INCLUDING ESTIMATED D.K. SWINBURNI		BLOCK:			
		QUANTITIES OF WORK, SHOWN ON THESE CHECKED BY:	STATE OF CONNECTICUT	OFFICE OF ENGINEERING			DRAWING NO.
		INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE R.A. KENNEDY	SIAIE OF CONNECTICOT	OTTICE OF ENGINEERING			
		THE CONDITIONS OF ACTUAL QUANTITIES COLE IN FEET	DEPARTMENT OF TRANSPORTATION	APPROVED BY: DATE:		DRAWING TITLE:	
		OF WORK WHICH WILL BE REQUIRED.	= DEPARTMENT OF TRANSPORTATION			REMOTE CONTROL FLASHING LIGHT	SHEET NO.
- - .		0 22000	450			AND HAD STON LAVOUT DIAN	
REV. DATE	REVISION DESCRIPTION SHEE	T NO. Plotted Date: 7/9/2010 SSCANE 11"=2800"	Filename:\CTDOT_HIGHWAY_OPS_GD.dgn			AND HAR SIGN LAYOUT PLAN	





HAR GROUND PLANE AND POLE INSTALLATION PLANS

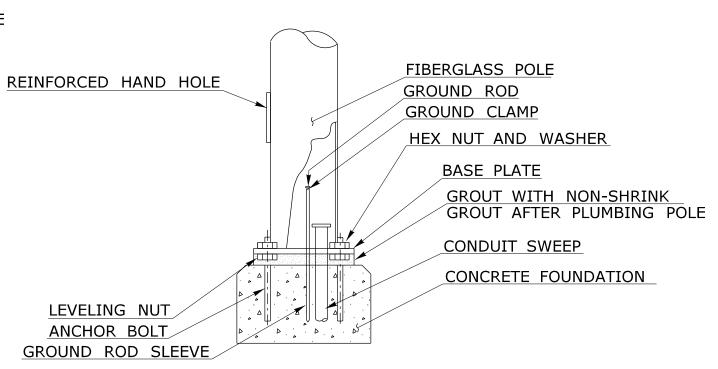
POLE FOUNDATION NOTES:

- IF ANY FIELD CONDITIONS PRECLUDED COMPLIANCE WITH THE DRAWINGS AND/OR CONDITIONS SPECIFIED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND SHALL NOT PROCEED WITH ANY AFFECTED WORK. CONTRACTOR SHALL PROVIDE REASONS AND RECOMMENDATIONS IN WRITING FOR APPROVAL TO CHANGE.
- 2. THE CONTRACTOR SHALL NOTIFY THE ENGINEER 7 DAYS PRIOR TO THE INSTALLATION OF THE REINFORCING CAGE AND THE CONCRETE POUR.
- 3. INSTALL ANCHOR BOLTS PER MANUFACTURER'S RECOMMENDATION.
- 4. CONCRETE OPERATIONS SHALL START AS SOON AS POSSIBLE AFTER COMPLETION OF THE EXCAVATION. THE BOTTOM OF THE EXCAVATED HOLE SHALL BE CLEAN WITH NO STANDING WATER.
- 5. DEPTH OF THE POLE FOUNDATIONS SHOWN IS MINIMUM.
- 6. ALL PORTIONS OF THE FOUNDATIONS WHICH WILL REMAIN EXPOSED TO VIEW SHALL BE NEATLY FINISHED WITH A WOOD FLOAT AND GIVEN A BRUSH FINISH. ALL EXPOSED EDGES OF CONCRETE FOUNDATIONS TO HAVE 1" X 1" (25 X 25) BEVEL AS SHOWN.
- 7. FOUNDATIONS TO BE PAID FOR UNDER THE ITEM "TRAFFIC CONTROL FOUNDATION SPAN POLE TYPE B".
- 8. ALL REINFORCEMENT SHALL BE DEFORMED STEEL BARS AND CONFORM TO ASTM A615M GRADE 400.
- 9. CONCRETE FOR POLE FOUNDATIONS SHALL BE CLASS "A" CONCRETE.
- 10. NON-SHRINK GROUT SHALL CONFORM TO FORM 815, SECTION M.03.01-12.
- 11. ANCHOR BOLTS FOR THE POLES SHALL CONFORM TO ASTM A449M.

 THE ANCHOR BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED AFTER FABRICATION AN ACCORDANCE WITH ASTM B695 CLASS 50.

GROUND PLANE NOTES:

- 1. 2" (50) PVC CONDUIT FROM THE WEATHERPROOF ENCLOSURE TO THE FIRST HANDHOLE OUTSIDE THE GROUND PLANE SHALL BE INCLUDED IN THE BID PRICE FOR HIGHWAY ADVISORY RADIO STATION. 2" (50) RMC AND TRENCHING & BACKFILL BEYOND THE FIRST HANDHOLE SHALL BE PAID AT THE CONTRACT UNIT PRICE FOR EACH ITEM.
- 2. GROUND RODS: 4" (100) COPPER CLAD.
- 3. GROUND WIRE: #8 BARE COPPER 8' (2540) LONG EACH.
- 4. GROUND WIRE TO BE BURIED 6" (150) BELOW GRADE.
- 5. BOND ALL RADIALS AROUND POST IN THE GROUND. RUN 3 GROUND WIRES UP UTILITY POLE AND CONNECT INSIDE ENCLOSURE.
- 6. A WAGON WHEEL TYPE PATTERN (AS SHOWN) IS TYPICAL. HOWEVER ALTERNATE PATTERNS MAY BE USED, AS SITE CONDITIONS DICTATE, WITHOUT DETRIMENT TO BROADCAST, PROVIDED THE COMBINED LENGTH OF RADIAL EQUAL 2000'.
- 7. RADIAL GROUND PLANE TO BE INSTALLED AS TYPICAL. CONTRACTOR TO INSTALL AS SHOWN. IF FIELD CONDITIONS DO NOT PERMIT RADIAL GROUND PLANE SYSTEM, THE CONTRACTOR MAY REQUEST THE USEOF THE ALTERNATE GROUND PLANE SYSTEM IN WRITING. THE USE OF AN ALTERNATE GROUND PLANE REQUIRES THE APPROVAL OF THE ENGINEER.



POLE INSTALLATION DETAIL

NOTE

COST OF FURNISHING AND PLACING NON-SHRINK GROUT SHALL BE INCLUDED IN THE PAY ITEM "FIBERGLASS UTILITY POLE".

	DESIGNER/DRAFTER:	R:	SIGNATURE/ PROJECT TITLE: PROJECT N
-	THE INFORMATION, INCLUDING ESTIMATED D.K. SWINB	NBURNE	BLOCK:
-	QUANTITIES OF WORK, SHOWN ON THESE CHECKED BY:	CTATE OF CONNECTICUT	OFFICE OF ENGINEERING DRAWING
-	INVESTIGATIONS BY THE STATE AND IS R.A. KENN IN NO WAY WARRANTED TO INDICATE	NNEDY STATE OF CONNECTICUT	OTTICL OF ENGINEERING
-	THE CONDITIONS OF ACTUAL QUANTITIES SCALE IN	DEPARTMENT OF TRANSPORTATION	APPROVED BY: DATE: DRAWING TITLE:
-	OF WORK WHICH WILL BE REQUIRED.	DEPARTMENT OF TRANSPORTATION	INSTALLATION OF HAR STATIONS SHEET NO.
_	0 2800	00 45 00	HAR STATION DETAILS
REV.	7. DATE REVISION DESCRIPTION SHEET NO. Plotted Date: 7/9/2010 SSCAUE 11"	11"=2000' Filename:\CTDOT_HIGHWAY_OPS_GD.dgn	HAR STATION DETAILS

