07 - IMS - HIGHWAY OPERATIONS
INDEX OF DRAWINGS

DRAWING NUMBER	DRAWING TITLE	DRAWING NUMBER	DRAWING TITLE
IMS-01	INDEX OF DRAWINGS		
IMS-02	LOCATION PLAN VMS 15N-109		
IMS-03	REMOVAL OF EXISTING VMS 15N-109		
IMS-04	LOCATION PLAN VMS 15N-110		
IMS-05	LOCATION PLAN VMS 15N-111		
IMS-06	LOCATION PLAN VMS 15S-117		
IMS-07	LOCATION PLAN VMS 15S-118		
IMS-08	LOCATION PLAN VMS 15S-119		
IMS-09	LOCATION PLAN VMS 7S-NEW		
IMS-10	MISC DETAIL		
IMS-11	TYPICAL SECTIONS- GENERAL NOTES		
IMS-12	IMS TRENCHING DETAILS		
IMS-13	ID POST & IMS ILLUMINATION DETAILS		
IMS-14	TYPICAL IMS CROSSING DETAILS		
IMS-15	CONCRETE HANDHOLE DETAILS		
IMS-16	VMS CONTROLLER CABINET & FOUNDATION		
IMS-17	REMOVE CONTROL FLASHING LIGHT & HAR SIGN LAYOUT DETAILS		

THE DESIGN APPEARS TO CONFORM TO APPLICABLE CRITERIA. APPROVAL IS NOT TO BE CONSTRUED TO MEAN THAT ALL ASPECTS OF THE DESIGN HAVE BEEN PERSONALLY CHECKED BY THE UNDERSIGNED.

Harold Decker
2017.07.14
14:08:52-04'00'

TRANSPORTATION PRINCIPAL ENGINEER

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.

Plotted Date: 6/14/2017

DESIGNER/DRAFTER: AMC

CHECKED BY: RAK

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ..._eng_data\Cover Sheet.dgn

SIGNATURE/BLOCK: BUREAU OF HIGHWAY OPERATIONS

APPROVED BY:

PROJECT TITLE: REPLACEMENT OF HIGHWAY SIGNING ON ROUTE 15

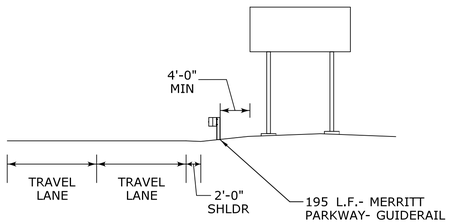
TOWN: VARIOUS LOCATIONS

DRAWING TITLE: INDEX OF DRAWINGS

PROJECT NO. 173-472

DRAWING NO. IMS-01

SHEET NO. 07.01



NEW V.M.S. NO. 15N-109
V.M.S. CROSS SECTION
(LOOKING NORTH AT FRONT OF SIGN)
SCALE 1" = 10'

CONSTRUCTION NOTES

(A) INSTALL VMS CABINET WITH METERED SERVICE ON TRAFFIC CONTROL FOUNDATION- CONTROLLER TYPE IV MODIFIED. THE DOORS SHALL BE PERPENDICULAR TO THE EDGE OF PAVEMENT. INSTALL SPARE SWEEP ON FIELD SIDE OF CABINET. INSTALL A 3FT X 3FT CONCRETE PAD ADJACENT TO EACH DOOR OF THE CABINET. INSTALL CABINET 8 FT BEHIND FACE OF GUIDE RAIL.

(B) INSTALL AUXILIARY TERMINATION CABINET ON VMS CABINET. INSTALL 2IN RMC WITH 1/4 IN PULL ROPE FROM BASE OF SERVICE POLE TO VMS CABINET AND CONNECT TO LIQUIDTIGHT FLEXIBLE METAL CONDUIT TERMINATING IN AUXILIARY TERMINATION CABINET. INSTALL 2IN RMC RISER WITH 1/4 IN PULL ROPE ON SERVICE POLE WITH ENTERANCE FITTING (WEATHER HEAD) IN ACCORDANCE WITH UTILITY REQUIREMENTS. THE CONTRACTOR SHALL NOTRIFY MR. ROBERT KENNEDY AT LEAST 45 DAYS PRIOR TO THE VMS INSTALLATION TO COORDINATE THE INSTALLATION OF TELEPHONE SERVICE.

(C) INSTALL SIDE MOUNTED VMS SUPPORT (TYPE 2) AND SIDE MOUNTED VMS SUPPORT FOUNDATION (2 EA.). INSTALL MOTORIST AID VARIABLE MESSAGE SIGN- TYPE A ON SUPPORT. SIGN SUPPORT SHALL BE INSTALLED AT AN ANGLE AS NOTED ON THE PLAN BETWEEN THE FRONT SIDE OF THE SIGN SUPPORTS AND THE TANGENT LINE AS SHOWN IN THE DIRECTION OF ONCOMING TRAFFIC.

(D) INSTALL ELECTRICAL METERED SOCKET WITH 3IN RIGID METAL CONDUIT, NYLON PULL CORD, AND NECESSARY CLAMPS, COUPLING AND HARDWARE. REFER TO VMS CONTROLLER CABINET DETAILS ON DWG. NO IMS-16. WORK TO BE INCLUDED IN THE PRICE BID FOR ITEM # 1017032A- SERVICE (METERED).

(E) EXISTING EXIT 38 NORWALK COMMUNITY COLLEGE SIGN TO BE REMOVED; SEE TRAFFIC SUBSET.

(F) INSTALL TYPE II HANDHOLES FOR SIGN POWER MAX 250 FT APART. INSTALL TYPE II HANDHOLES FOR SIGN CONTROL MAX 500 FT APART.

SHEET NOTES

1) SIGN FACE SHALL BE ORIENTED TOWARD CENTER OF TRAVEL LANES, 1,000 FT AWAY FROM SIGN FACE.

2) THE UTILITY COMPANY REPRESENTATIVES ARE:

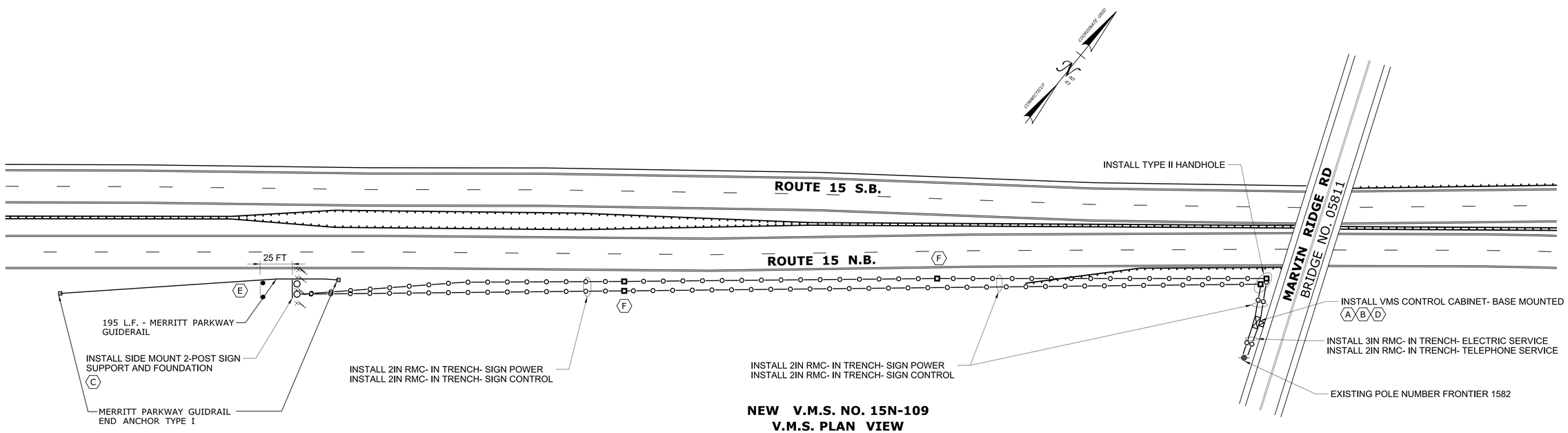
(ELECTRIC) EVERSOURCE (FORMALLY CL&P):
NAME: JEFF BAXTER PHONE NUMBER: (203) 845-3469

(TELEPHONE) FRONTIER (FORMALLY AT&T CONNECTICUT):
NAME: ROB RECUPERO PHONE NUMBER: (203) 378-9022 EMAIL: RDR461@FTR.COM

3) INSTALL 3IN RMC BETWEEN SERVICE CABINET AND SERVICE POLE, TO INCLUDE 90 DEGREE SWEEP (RISER TO BE INSTALLED BY EVERSOURCE). INSTALL A 1/4 IN PULL CORD IN PROPOSED 3IN ELECTRIC SERVICE CONDUIT FROM BASE OF UTILITY POLE TO THE METER SOCKET LOCATED ON THE SERVICE CABINET, IN ACCORDANCE WITH EVERSOURCE ENERGY REQUIREMENTS. EVERSOURCE TO FURNISH AND INSTALL ELECTRIC SERVICE CONDUCTORS FROM THE UTILITY SERVICE SOURCE TO THE METER SOCKET.

4) WORK ASSOCIATED WITH PROVIDING ELECTRICAL SERVICE TO SERVICE CABINET (EXCLUDING CONDUIT INSTALLATION) TO BE PAID UNDER ITEM 1017034A INSTALL SERVICE.

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



NEW V.M.S. NO. 15N-109
V.M.S. PLAN VIEW
SCALE 1" = 40'

SYMBOL	AUX DETECTOR CONN CABINET	AUX DETECTOR TERM CABINET	CCTV CAMERA	CAST IRON JUNCTION BOX	TRAFFIC FLOW MONITOR	TYPE II HANDHOLE	CCTV/VMS MINIHUB	PULLBOX	SERVICE CABINET	STEEL POLE	UTILITY POLE	VMS ON CANTILEVER	VMS ON SIDE MOUNT	PORTABLE VMS	PVC	RMC IN TRENCH	RMC SURFACE	AERIAL FIBER OPTIC CABLE
PROPOSED																—O—	—S—	—A—
EXISTING																—●—	--S--	--A--

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.

Plotted Date: 6/17/2017

DESIGNER/DRAFTER: AMC
CHECKED BY: RAK
SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\TR_MSH_HOP_0173-0472_2.dgn

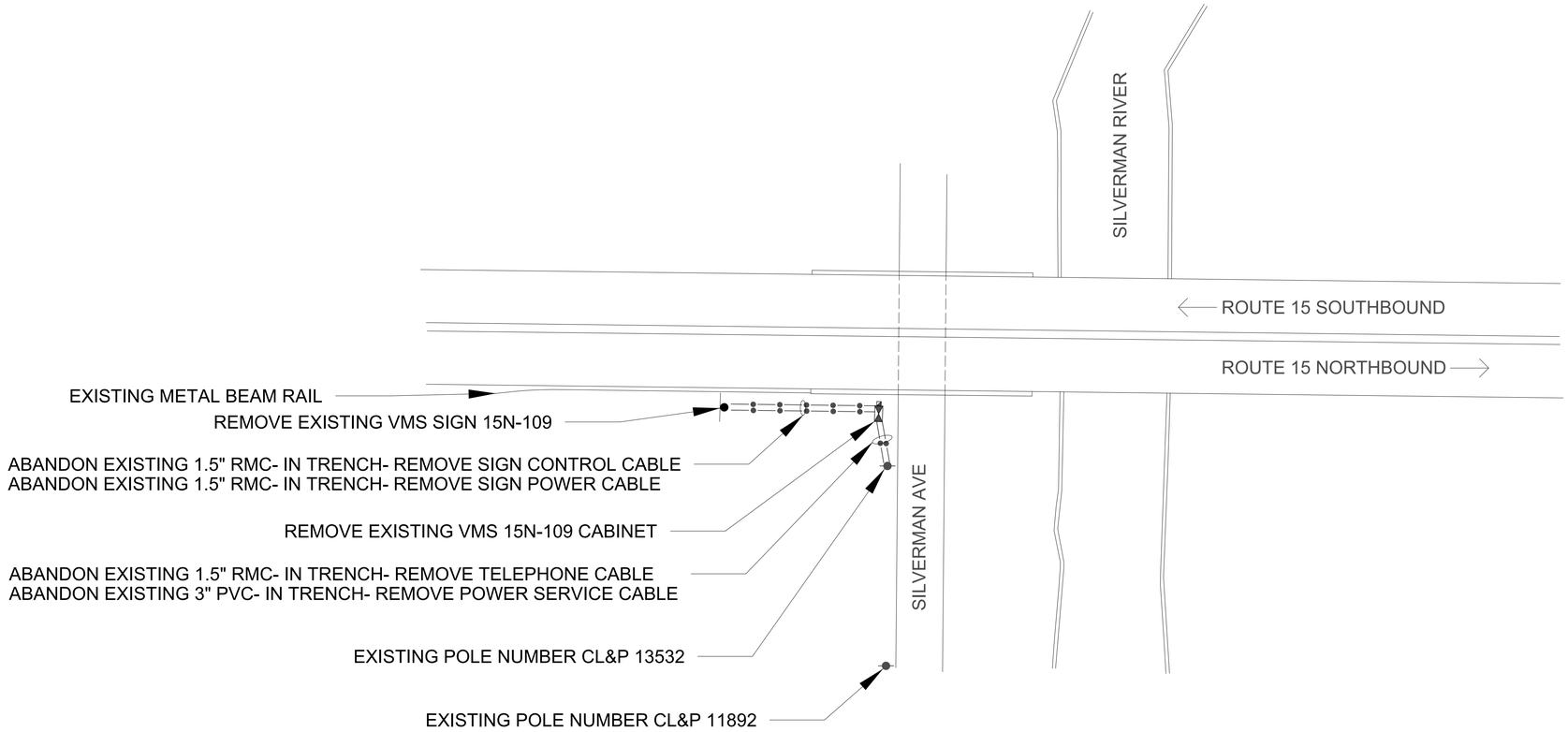
SIGNATURE/BLOCK: BUREAU OF HIGHWAY OPERATIONS
APPROVED BY:

PROJECT TITLE:
REPLACEMENT OF HIGHWAY SIGNING ON ROUTE 15

TOWN: **NEW CANAAN**

DRAWING TITLE:
LOCATION PLAN VMS 15N-109

PROJECT NO. **173-472**
DRAWING NO. **IMS-02**
SHEET NO. **07.02**



UTILITY REPRESENTATIVES:

(ELECTRIC) UNITED ILLUMINATING CO.:
NAME: ROB CARRERO PHONE NUMBER: (203) 926-4833

(TELEPHONE) FRONTIER (FORMALLY AT&T CONNECTICUT):
NAME: ROB RECUPERO PHONE NUMBER: (203) 378-9022 EMAIL: RDR461@FTR.COM

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.

Plotted Date: 6/17/2017

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

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\Removal VMS 15N-109.dgn

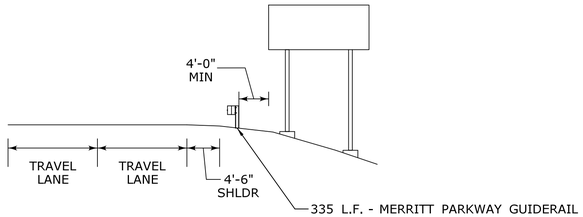
SIGNATURE/ BLOCK: BUREAU OF HIGHWAY OPERATIONS
APPROVED BY:

PROJECT TITLE: REPLACEMENT OF HIGHWAY SIGNING ON ROUTE 15

TOWN: NORWALK

DRAWING TITLE: REMOVAL OF EXISTING VMS 15N-109

PROJECT NO. 173-472
DRAWING NO. IMS-03
SHEET NO. 07.03



NEW V.M.S. NO. 15N-110
V.M.S. CROSS SECTION
(LOOKING NORTH AT FRONT OF SIGN)
SCALE 1" = 10'

CONSTRUCTION NOTES

(A) INSTALL NEW MOTORIST AID VARIABLE MESSAGE SIGN- TYPE A ON NEW SIDE MOUNT 2 POST SIGN SUPPORT AND FOUNDATION. REMOVE EXISTING VARIABLE MESSAGE SIGN AND EXISTING STRUCTURE UNDER ITEM # 1113813A- REMOVAL OF EXISTING ATMS.

(B) EXISTING SIGN CONTROL AND SIGN POWER SHALL BE REMOVED UNDER ITEM # 1113813A- REMOVAL OF EXISTING ATMS. INSTALL NEW SIGN CONTROL AND SIGN POWER IN EXISTING CONDUIT. EXISTING CONDUITS SHALL BE CLEANED, AS NECESSARY, PRIOR TO REUSE UNDER ITEM # 1008907A- CLEAN EXISTING CONDUIT.

(C) EXISTING VMS CABINET WITH AUXILIARY TERMINATION CABINET SHALL BE REMOVED UNDER ITEM # 1113813A- REMOVAL OF EXISTING ATMS. EXISTING FOUNDATION SHALL REMAIN. INSTALL NEW VMS CABINET ON EXISTING FOUNDATION UNDER ITEM # 1050106A- MOTORIST AID VARIABLE MESSAGE SIGN- TYPE A.

(D) THE CONTRACTOR SHALL DISCONNECT THE EXISTING TELEPHONE CABLE FROM THE EXISTING TELEPHONE DEMARK IN THE EXISTING AUXILIARY TERMINATION CABINET. REMOVE THE EXISTING AUXILIARY TERMINATION CABINET FROM THE EXISTING VMS CABINET AND LIQUID TIGHT FLEXIBLE METAL CONDUIT. INSTALL NEW AUXILIARY TERMINATION CABINET ON THE NEW VMS CABINET AND THE EXISTING LIQUID TIGHT FLEXIBLE METAL CONDUIT. RE-CONNECT THE EXISTING TELEPHONE CABLE TO THE EXISTING TELEPHONE DEMARK IN THE NEW AUXILIARY TERMINATION CABINET.

(E) THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY TO DISCONNECT EXISTING ELECTRIC SERVICE TO THE VMS CABINET. THE CONTRACTOR SHALL DISCONNECT THE METER SOCKET AND SURFACE MOUNTED CONDUIT FROM THE CABINET TO BE REMOVED. THE EXISTING METER SOCKET AND SURFACE MOUNTED CONDUIT SHALL BE REUSED AND ATTACHED TO THE NEW VMS CABINET. THE COST OF THIS WORK WILL BE INCLUDED UNDER ITEM # 1050106A- MOTORIST AID VARIABLE MESSAGE SIGN- TYPE A.

SHEET NOTES

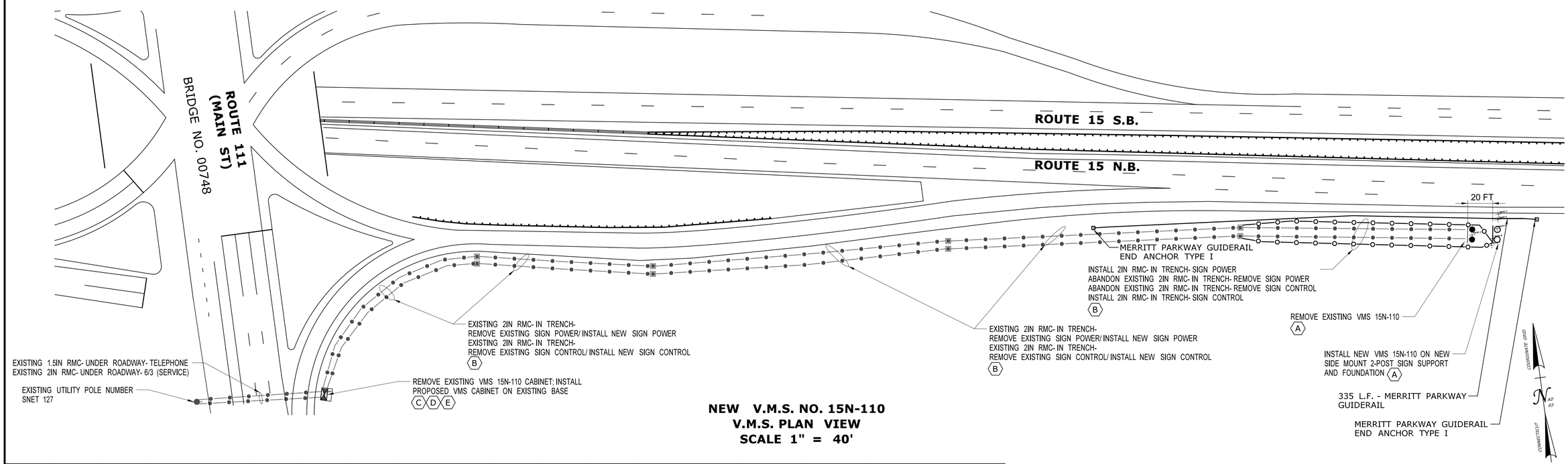
1) SIGN FACE SHALL BE ORIENTED TOWARD CENTER OF TRAVEL LANES, 1,000 FT AWAY FROM SIGN FACE.

2) THE UTILITY COMPANY REPRESENTATIVES ARE:

(ELECTRIC) UNITED ILLUMINATING CO:
NAME: DOMINIC YACOBINO PHONE NUMBER: (203) 494-6807 EMAIL: DOMINIC.YACOBINO@UI.NET

(TELEPHONE) FRONTIER (FORMALLY AT&T CONNECTICUT):
NAME: ROB RECUPERO PHONE NUMBER: (203) 378-9022 EMAIL: RDR461@FTR.COM

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



NEW V.M.S. NO. 15N-110
V.M.S. PLAN VIEW
SCALE 1" = 40'

SYMBOL	AUX DETECTOR CONN CABINET	AUX DETECTOR TERM CABINET	CCTV CAMERA	CAST IRON JUNCTION BOX	TRAFFIC FLOW MONITOR	TYPE II HANDHOLE	CCTV/VMS MINIHUB	PULLBOX	SERVICE CABINET	STEEL POLE	UTILITY POLE	VMS ON CANTILEVER	VMS ON SIDE MOUNT	PORTABLE VMS	PVC	RMC IN TRENCH	RMC SURFACE	AERIAL FIBER OPTIC CABLE
PROPOSED																	S S	A A
EXISTING																	S S	A A

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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Plotted Date: 6/17/2017

DESIGNER/DRAFTER: AMC
CHECKED BY: RAK
SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\TR_MSH_HOP_0173-0472_4.dgn

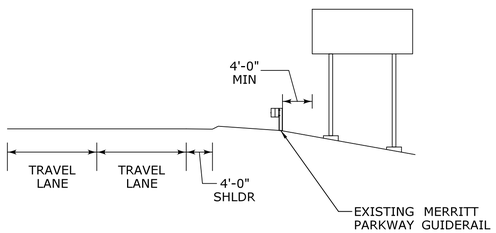
SIGNATURE/ BLOCK: BUREAU OF HIGHWAY OPERATIONS
APPROVED BY:

PROJECT TITLE: **REPLACEMENT OF HIGHWAY SIGNING ON ROUTE 15**

TOWN: **TRUMBULL**

DRAWING TITLE: **LOCATION PLAN VMS 15N-110**

PROJECT NO. **173-472**
DRAWING NO. **IMS-04**
SHEET NO. **07.04**



NEW V.M.S. NO. 15N-111
V.M.S. CROSS SECTION
(LOOKING NORTH AT FRONT OF SIGN)
SCALE 1" = 10'

CONSTRUCTION NOTES

(A) INSTALL NEW MOTORIST AID VARIABLE MESSAGE SIGN- TYPE A ON NEW SIDE MOUNT 2 POST SIGN SUPPORT AND FOUNDATION. REMOVE EXISTING VARIABLE MESSAGE SIGN AND EXISTING STRUCTURE UNDER ITEM # 1113813A- REMOVAL OF EXISTING ATMS.

(B) EXISTING SIGN CONTROL AND SIGN POWER SHALL BE REMOVED UNDER ITEM # 1113813A- REMOVAL OF EXISTING ATMS. INSTALL NEW SIGN CONTROL AND SIGN POWER IN EXISTING CONDUIT. EXISTING CONDUITS SHALL BE CLEANED, AS NECESSARY, PRIOR TO REUSE UNDER ITEM # 1008907A- CLEAN EXISTING CONDUIT.

(C) EXISTING VMS CABINET WITH AUXILIARY TERMINATION CABINET SHALL BE REMOVED UNDER ITEM # 1113813A- REMOVAL OF EXISTING ATMS. EXISTING FOUNDATION SHALL REMAIN. INSTALL NEW VMS CABINET ON EXISTING FOUNDATION UNDER ITEM # 1050106A- MOTORIST AID VARIABLE MESSAGE SIGN- TYPE A.

(D) THE CONTRACTOR DISCONNECT THE EXISTING TELEPHONE CABLE FROM THE EXISTING TELEPHONE DEMARK IN THE EXISTING AUXILIARY TERMINATION CABINET. REMOVE THE EXISTING AUXILIARY TERMINATION CABINET FROM THE EXISTING VMS CABINET AND LIQUID TIGHT FLEXIBLE METAL CONDUIT. INSTALL NEW AUXILIARY TERMINATION CABINET ON THE NEW VMS CABINET AND EXISTING LIQUID TIGHT FLEXIBLE METAL CONDUIT. RE-CONNECT THE EXISTING TELEPHONE CABLE TO THE EXISTING TELEPHONE DEMARK IN THE NEW AUXILIARY TERMINATION CABINET.

(E) THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY TO DISCONNECT EXISTING ELECTRIC SERVICE TO THE VMS CABINET. THE CONTRACTOR SHALL DISCONNECT THE METER SOCKET AND SURFACE MOUNTED CONDUIT FROM THE CABINET TO BE REMOVED. THE EXISTING METER SOCKET AND SURFACE MOUNTED CONDUIT SHALL BE REUSED AND ATTACHED TO THE NEW VMS CABINET. THE COST OF THIS WORK WILL BE INCLUDED UNDER ITEM # 1050106A- MOTORIST AID VARIABLE MESSAGE SIGN- TYPE A.

SHEET NOTES

1) SIGN FACE SHALL BE ORIENTED PERPENDICULAR TOWARD CENTER OF TRAVEL LANES, 1,000 FT AWAY FROM SIGN FACE.

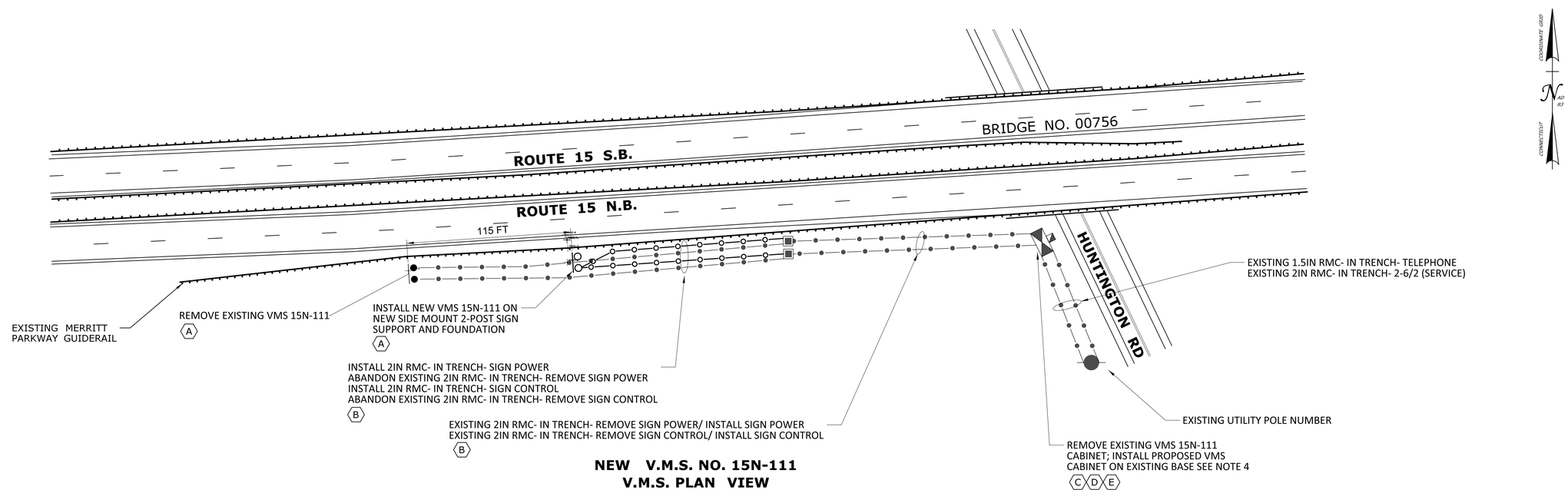
2) THE UTILITY COMPANY REPRESENTATIVES ARE:

(ELECTRIC) UNITED ILLUMINATING CO.:
NAME: ROB CARRERO PHONE NUMBER: (203) 926-4833

(TELEPHONE) FRONTIER (FORMALLY AT&T CONNECTICUT):
NAME: ROB RECUPERO PHONE NUMBER: (203) 378-9022 EMAIL: RDR461@FTR.COM

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

4) THE CONTRACTOR SHALL REGRADE THE SLOPE AT THE REAR OF THE CABINET FOUNDATION TO ACCOMODATE REAR DOOR OPENING. SEE DETAIL "A" ON DRAWING NO. IMS-10.



NEW V.M.S. NO. 15N-111
V.M.S. PLAN VIEW
SCALE 1" = 40'

SYMBOL	AUX DETECTOR CONN CABINET	AUX DETECTOR TERM CABINET	CCTV CAMERA	CAST IRON JUNCTION BOX	TRAFFIC FLOW MONITOR	TYPE II HANDHOLE	CCTV/VMS MINIHUB	PULLBOX	SERVICE CABINET	STEEL POLE	UTILITY POLE	VMS ON CANTILEVER	VMS ON SIDE MOUNT	PORTABLE VMS	PVC	RMC IN TRENCH	RMC SURFACE	AERIAL FIBER OPTIC CABLE
PROPOSED																		
EXISTING																		

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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Plotted Date: 6/17/2017

DESIGNER/DRAFTER: AMC
CHECKED BY: RAK
SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\TR_MSH_HOP_0173-0472_5.dgn

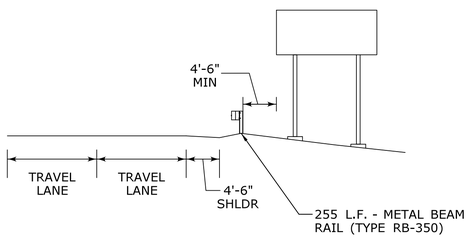
SIGNATURE/ BLOCK: BUREAU OF HIGHWAY OPERATIONS
APPROVED BY:

PROJECT TITLE:
REPLACEMENT OF HIGHWAY SIGNING ON ROUTE 15

TOWN: **STRATFORD**

DRAWING TITLE:
LOCATION PLAN VMS 15N-111

PROJECT NO. **173-472**
DRAWING NO. **IMS-05**
SHEET NO. **07.05**



NEW V.M.S. NO. 15S-117
V.M.S. CROSS SECTION
(LOOKING NORTH AT FRONT OF SIGN)
SCALE 1" = 10'

CONSTRUCTION NOTES

(A) INSTALL NEW MOTORIST AID VARIABLE MESSAGE SIGN- TYPE A ON NEW SIDE MOUNT 2 POST SIGN SUPPORT AND FOUNDATION. REMOVE EXISTING VARIABLE MESSAGE SIGN AND EXISTING STRUCTURE UNDER ITEM # 1113813A- REMOVAL OF EXISTING ATMS.

(B) EXISTING SIGN CONTROL AND SIGN POWER SHALL BE REMOVED UNDER ITEM # 1113813A- REMOVAL OF EXISTING ATMS. INSTALL NEW SIGN CONTROL AND SIGN POWER IN EXISTING CONDUIT. EXISTING CONDUITS SHALL BE CLEANED, AS NECESSARY, PRIOR TO REUSE UNDER ITEM # 1008907A- CLEAN EXISTING CONDUIT.

(C) EXISTING VMS CABINET WITH AUXILIARY TERMINATION CABINET SHALL BE REMOVED UNDER ITEM # 1113813A- REMOVAL OF EXISTING ATMS. EXISTING FOUNDATION SHALL REMAIN. INSTALL NEW VMS CABINET ON EXISTING FOUNDATION UNDER ITEM # 1050106A- MOTORIST AID VARIABLE MESSAGE SIGN- TYPE A.

(D) THE CONTRACTOR SHALL DISCONNECT THE EXISTING TELEPHONE CABLE FROM THE EXISTING TELEPHONE DEMARK IN THE EXISTING AUXILIARY TERMINATION CABINET. REMOVE THE EXISTING AUXILIARY TERMINATION CABINET FROM THE EXISTING VMS CABINET AND LIQUID TIGHT FLEXIBLE METAL CONDUIT. INSTALL NEW AUXILIARY TERMINATION CABINET ON THE NEW VMS CABINET AND EXISTING LIQUID TIGHT FLEXIBLE METAL CONDUIT. RE-CONNECT THE EXISTING TELEPHONE CABLE TO THE EXISTING TELEPHONE DEMARK IN THE NEW AUXILIARY TERMINATION CABINET.

(E) THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY TO DISCONNECT EXISTING ELECTRIC SERVICE TO THE VMS CABINET. THE CONTRACTOR SHALL DISCONNECT THE METER SOCKET AND SURFACE MOUNTED CONDUIT FROM THE CABINET TO BE REMOVED. THE EXISTING METER SOCKET AND SURFACE MOUNTED CONDUIT SHALL BE REUSED AND ATTACHED TO THE NEW VMS CABINET. THE COST OF THIS WORK WILL BE INCLUDED UNDER ITEM # 1050106A- MOTORIST AID VARIABLE MESSAGE SIGN- TYPE A.

SHEET NOTES

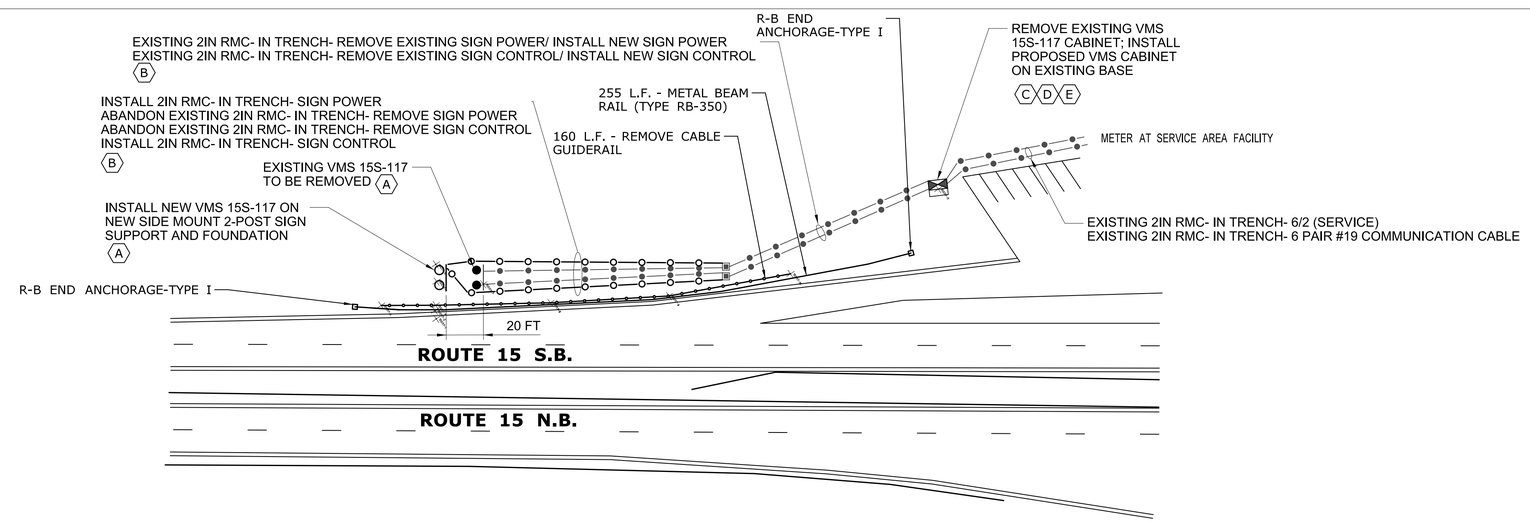
1) SIGN FACE SHALL BE ORIENTED PERPENDICULAR TOWARD CENTER OF TRAVEL LANES, 1,000 FT AWAY FROM SIGN FACE.

2) THE UTILITY COMPANY REPRESENTATIVES ARE:

(ELECTRIC) UNITED ILLUMINATING CO.:
NAME: BRIAN LUCKHARDT PHONE NUMBER: (203) 499-2395

(TELEPHONE) FRONTIER (FORMALLY AT&T CONNECTICUT):
NAME: ROB RECUPERO PHONE NUMBER: (203) 378-9022 EMAIL: RDR461@FTR.COM

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



NEW V.M.S. NO. 15S-117
V.M.S. PLAN VIEW
SCALE 1" = 40'

SYMBOL	AUX DETECTOR CONN CABINET	AUX DETECTOR TERM CABINET	CCTV CAMERA	CAST IRON JUNCTION BOX	TRAFFIC FLOW MONITOR	TYPE II HANDHOLE	CCTV/VMS MINIHUB	PULLBOX	SERVICE CABINET	STEEL POLE	UTILITY POLE	VMS ON CANTILEVER	VMS ON SIDE MOUNT	PORTABLE VMS	PVC	RMC IN TRENCH	RMC SURFACE	AERIAL FIBER OPTIC CABLE
PROPOSED	⊠	◪	-○	▭	▽	◘	⊠	▭	⊠	◘	⊕	○—	○○	⊡	—— ——	—○—	—S—	—A—
EXISTING	⊠	◪	-●	▬	▼	▣	⊠	▬	⊠	●	●	●—	●●		—— — —	—●—	— —S—	— —A—

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.

Plotted Date: 6/17/2017

DESIGNER/DRAFTER: AMC
CHECKED BY: RAK
SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\TR_MSH_HOP_0173-0472_6.dgn

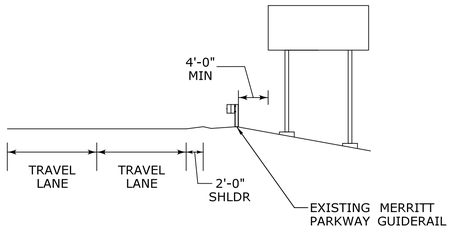
SIGNATURE/ BLOCK: BUREAU OF HIGHWAY OPERATIONS
APPROVED BY:

PROJECT TITLE:
REPLACEMENT OF HIGHWAY SIGNING ON ROUTE 15

TOWN: **ORANGE**

DRAWING TITLE:
LOCATION PLAN 15S-117

PROJECT NO. **173-472**
DRAWING NO. **IMS-06**
SHEET NO. **07.06**



NEW V.M.S. NO. 15S-118
V.M.S. CROSS SECTION
(LOOKING NORTH AT FRONT OF SIGN)
SCALE 1" = 10'

CONSTRUCTION NOTES

(A) INSTALL NEW MOTORIST AID VARIABLE MESSAGE SIGN- TYPE A ON NEW SIDE MOUNT 2 POST SIGN SUPPORT AND FOUNDATION. REMOVE EXISTING VARIABLE MESSAGE SIGN AND EXISTING STRUCTURE UNDER ITEM # 1113813A- REMOVAL OF EXISTING ATMS.

(B) EXISTING SIGN CONTROL AND SIGN POWER SHALL BE REMOVED UNDER ITEM # 1113813A- REMOVAL OF EXISTING ATMS. INSTALL NEW SIGN CONTROL AND SIGN POWER IN EXISTING CONDUIT. EXISTING CONDUITS SHALL BE CLEANED, AS NECESSARY, PRIOR TO REUSE UNDER ITEM # 1008907A- CLEAN EXISTING CONDUIT.

(C) EXISTING VMS CABINET WITH AUXILIARY TERMINATION CABINET SHALL BE REMOVED UNDER ITEM # 1113813A- REMOVAL OF EXISTING ATMS. EXISTING FOUNDATION SHALL REMAIN. INSTALL NEW VMS CABINET ON EXISTING FOUNDATION UNDER ITEM # 1050106A- MOTORIST AID VARIABLE MESSAGE SIGN- TYPE A.

(D) THE CONTRACTOR SHALL DISCONNECT THE EXISTING TELEPHONE CABLE FROM THE EXISTING TELEPHONE DEMARK IN THE EXISTING AUXILIARY TERMINATION CABINET. REMOVE THE EXISTING AUXILIARY TERMINATION CABINET FROM THE EXISTING VMS CABINET AND LIQUID TIGHT FLEXIBLE METAL CONDUIT. INSTALL NEW AUXILIARY TERMINATION CABINET ON THE NEW VMS CABINET AND EXISTING LIQUID TIGHT FLEXIBLE METAL CONDUIT. RE-CONNECT THE EXISTING TELEPHONE CABLE TO THE EXISTING TELEPHONE DEMARK IN THE NEW AUXILIARY TERMINATION CABINET.

(E) THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY TO DISCONNECT EXISTING ELECTRIC SERVICE TO THE VMS CABINET. THE CONTRACTOR SHALL DISCONNECT THE METER SOCKET AND SURFACE MOUNTED CONDUIT FROM THE CABINET TO BE REMOVED. THE EXISTING METER SOCKET AND SURFACE MOUNTED CONDUIT SHALL BE REUSED AND ATTACHED TO THE NEW VMS CABINET. THE COST OF THIS WORK WILL BE INCLUDED UNDER ITEM # 1050106A- MOTORIST AID VARIABLE MESSAGE SIGN- TYPE A.

SHEET NOTES

1) SIGN FACE SHALL BE ORIENTED PERPENDICULAR TOWARD CENTER OF TRAVEL LANES, 1,000 FT AWAY FROM SIGN FACE.

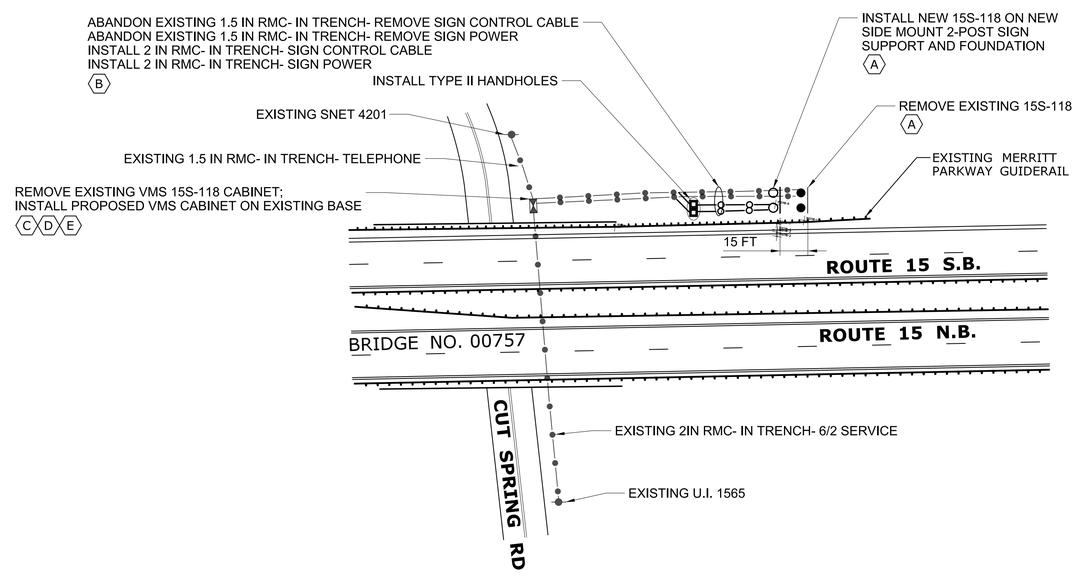
2) THE UTILITY COMPANY REPRESENTATIVES ARE:

(ELECTRIC) UNITED ILLUMINATION CO.:
NAME: ROB CARRERO PHONE NUMBER: (203) 203-926-4833

(TELEPHONE) FRONTIER (FORMALLY AT&T CONNECTICUT):
NAME: ROB RECUPERO PHONE NUMBER: (203) 378-9022 EMAIL: RDR461@FTR.COM

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

4) THE CONTRACTOR SHALL REGRADE THE SLOPE AT THE REAR OF THE CABINET FOUNDATION TO ACCOMMODATE REAR DOOR OPENING. DEE DETAIL "A" ON DRAWING NO. IMS-10.



NEW V.M.S. NO. 15S-118
V.M.S. PLAN VIEW
SCALE 1" = 40'

SYMBOL	AUX DETECTOR CONN CABINET	AUX DETECTOR TERM CABINET	CCTV CAMERA	CAST IRON JUNCTION BOX	TRAFFIC FLOW MONITOR	TYPE II HANDHOLE	CCTV/VMS MINIHUB	PULLBOX	SERVICE CABINET	STEEL POLE	UTILITY POLE	VMS ON CANTILEVER	VMS ON SIDE MOUNT	PORTABLE VMS	PVC	RMC IN TRENCH	RMC SURFACE	AERIAL FIBER OPTIC CABLE
PROPOSED																	S	A
EXISTING																	S	A

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.

Plotted Date: 6/17/2017

DESIGNER/DRAFTER: AMC
CHECKED BY: RAK
SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\TR_MSH_HOP_0173-0472_7.dgn

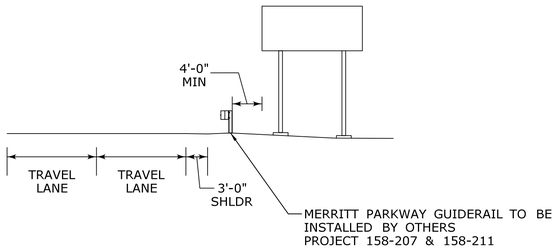
SIGNATURE/BLOCK: BUREAU OF HIGHWAY OPERATIONS
APPROVED BY:

PROJECT TITLE:
REPLACEMENT OF HIGHWAY SIGNING ON ROUTE 15

TOWN: **STRATFORD**

DRAWING TITLE:
LOCATION PLAN
VMS 15S-118

PROJECT NO. **173-472**
DRAWING NO. **IMS-07**
SHEET NO. **07.07**



NEW V.M.S. NO. 15S-119
V.M.S. CROSS SECTION
(LOOKING NORTH AT FRONT OF SIGN)
SCALE 1" = 10'

CONSTRUCTION NOTES

(A) INSTALL NEW MOTORIST AID VARIABLE MESSAGE SIGN- TYPE A ON NEW SIDE MOUNT 2 POST SIGN SUPPORT AND FOUNDATION. REMOVE EXISTING VARIABLE MESSAGE SIGN AND EXISTING STRUCTURE UNDER ITEM # 1113813A- REMOVAL OF EXISTING ATMS.

(B) EXISTING SIGN CONTROL AND SIGN POWER SHALL BE REMOVED UNDER ITEM # 1113813A- REMOVAL OF EXISTING ATMS. INSTALL NEW SIGN CONTROL AND SIGN POWER IN EXISTING CONDUIT. EXISTING CONDUITS SHALL BE CLEANED, AS NECESSARY, PRIOR TO REUSE UNDER ITEM # 1008907A- CLEAN EXISTING CONDUIT.

(C) EXISTING VMS CABINET WITH AUXILIARY TERMINATION CABINET SHALL BE REMOVED UNDER ITEM # 1113813A- REMOVAL OF EXISTING ATMS. EXISTING FOUNDATION SHALL REMAIN. INSTALL NEW VMS CABINET ON EXISTING FOUNDATION UNDER ITEM # 1050106A- MOTORIST AID VARIABLE MESSAGE SIGN- TYPE A.

(D) THE CONTRACTOR SHALL DISCONNECT THE EXISTING TELEPHONE CABLE FROM THE EXISTING TELEPHONE DEMARK IN THE EXISTING AUXILIARY TERMINATION CABINET. REMOVE THE EXISTING AUXILIARY TERMINATION CABINET FROM THE EXISTING VMS CABINET AND LIQUID TIGHT FLEXIBLE METAL CONDUIT. INSTALL NEWAUXILIARY TERMINATION CABINET ON THE NEW VMS CABINET AND EXISTING LIQUID TIGHT FLEXIBLE METAL CONDUIT. RE-CONNECT THE EXISTING TELEPHONE CABLE TO THE EXISTING TELEPHONE DEMARK IN THE NEW AUXILIARY TERMINATION CABINET.

(E) THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY TO DISCONNECT EXISTING ELECTRIC SERVICE TO THE VMS CABINET. THE CONTRACTOR SHALL DISCONNECT THE METER SOCKET AND SURFACE MOUNTED CONDUIT FROM THE CABINET TO BE REMOVED. THE EXISTING METER SOCKET AND SURFACE MOUNTED CONDUIT SHALL BE REUSED AND ATTACHED TO THE NEW VMS CABINET. THE COST OF THIS WORK WILL BE INCLUDED UNDER ITEM # 1050106A- MOTORIST AID VARIABLE MESSAGE SIGN- TYPE A.

SHEET NOTES

1) SIGN FACE SHALL BE ORIENTED PERPENDICULAR TOWARD CENTER OF TRAVEL LANES, 1,000 FT AWAY FROM SIGN FACE.

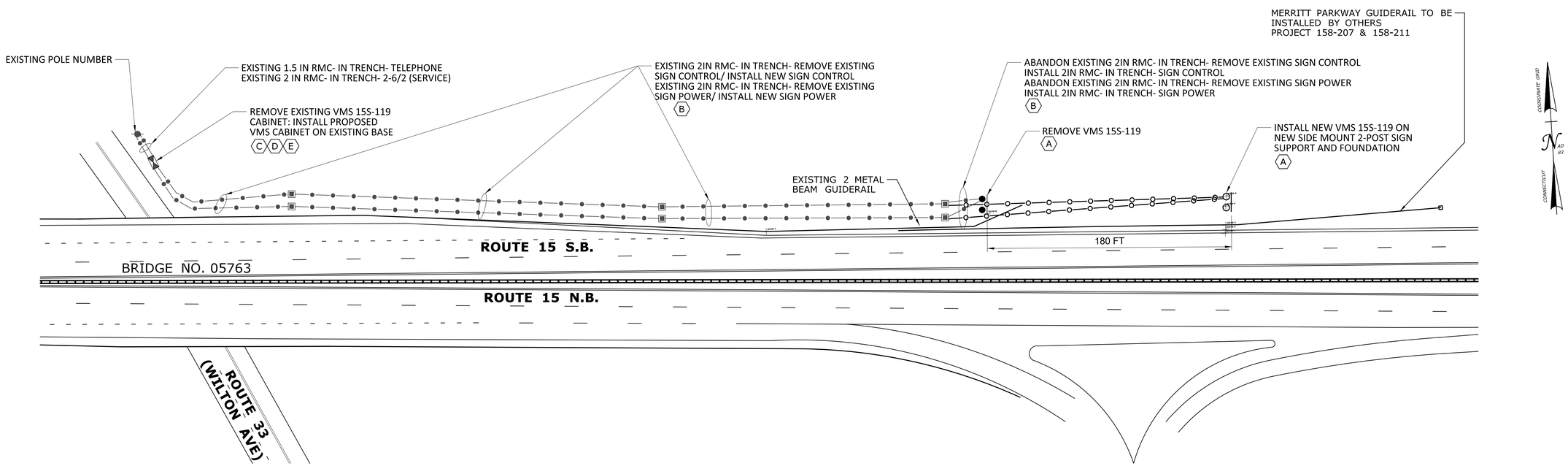
2) THE UTILITY COMPANY REPRESENTATIVES ARE:

(ELECTRIC) EVERSOURCE (FORMALLY CL&P):
NAME: JEFF BAXTER PHONE NUMBER: (203) 845-3469

(TELEPHONE) FRONTIER (FORMALLY AT&T CONNECTICUT):
NAME: ROB RECUPERO PHONE NUMBER: (203) 378-9022 EMAIL:RDR461@FTR.COM

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

4) THE CONTRACTOR SHALL REGRADE THE SLOPE AT THE REAR OF THE CABINET FOUNDATION TO ACCOMMODATE REAR DOOR OPENING. SEE DETAIL "A" ON DRAWING NO. IMS-10.



NEW V.M.S. NO. 15S-119
V.M.S. PLAN VIEW
SCALE 1" = 40'

SYMBOL	AUX DETECTOR CONN CABINET	AUX DETECTOR TERM CABINET	CCTV CAMERA	CAST IRON JUNCTION BOX	TRAFFIC FLOW MONITOR	TYPE II HANDHOLE	CCTV/VMS MINIHUB	PULLBOX	SERVICE CABINET	STEEL POLE	UTILITY POLE	VMS ON CANTILEVER	VMS ON SIDE MOUNT	PORTABLE VMS	PVC	RMC IN TRENCH	RMC SURFACE	AERIAL FIBER OPTIC CABLE
PROPOSED																	S	A
EXISTING																	S	A

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.

Plotted Date: 6/17/2017

DESIGNER/DRAFTER: AMC
CHECKED BY: RAK
SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\TR_MSH_HOP_0173-0472_9.dgn

SIGNATURE/ BLOCK: BUREAU OF HIGHWAY OPERATIONS
APPROVED BY:

PROJECT TITLE:
REPLACEMENT OF HIGHWAY SIGNING ON ROUTE 15

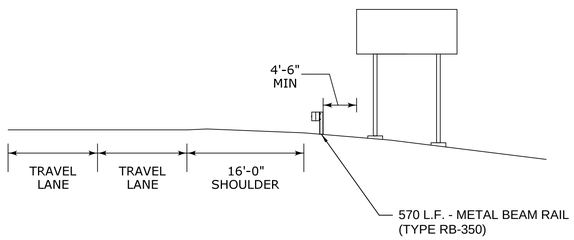
TOWN: **WESTPORT**

DRAWING TITLE:
LOCATION PLAN VMS 15S-119

PROJECT NO. **173-472**
DRAWING NO. **IMS-08**
SHEET NO. **07.08**

GENERAL NOTES

1. CONTRACTOR SHALL FOLLOW STANDARD HW-0910_19C, METAL BEAM RAIL (MODIFIED TYPE R-I) SYSTEMS 2 AND 3, WHEN CONVERTING FROM METAL BEAM RAIL TYPE R-I TO METAL BEAM RAIL TYPE R-I SYSTEM 2



NEW V.M.S. NO. ROUTE7
V.M.S. CROSS SECTION
(LOOKING NORTH AT FRONT OF SIGN)
SCALE 1" = 10'

CONSTRUCTION NOTES

(A) INSTALL VMS CABINET WITH METERED SERVICE ON TRAFFIC CONTROL FOUNDATION- CONTROLLER TYPE IV MODIFIED. THE DOORS SHALL BE PERPENDICULAR TO THE EDGE OF PAVEMENT. INSTALL SPARE SWEEP ON FIELD SIDE OF CABINET. INSTALL A 3FT X 3FT CONCRETE PAD ADJACENT TO EACH DOOR OF THE CABINET. INSTALL CABINET 8 FT BEHIND FACE OF GUIDE RAIL.

(B) INSTALL AUXILIARY TERMINATION CABINET ON VMS CABINET. INSTALL 2IN RMC WITH 1/4 IN PULL ROPE FROM BASE OF SERVICE POLE TO VMS CABINET AND CONNECT TO LIQUIDTIGHT FLEXIBLE METAL CONDUIT TERMINATING IN AUXILIARY TERMINATION CABINET. INSTALL 2IN RMC RISER WITH 1/4 IN PULL ROPE ON SERVICE POLE WITH ENTERANCE FITTING (WEATHER HEAD) IN ACCORDANCE WITH UTILITY REQUIREMENTS. THE CONTRACTOR SHALL NOTRIFY MR. ROBERT KENNEDY AT LEAST 45 DAYS PRIOR TO THE VMS INSTALLATION TO COORDINATE THE INSTALLATION OF TELEPHONE SERVICE.

(C) INSTALL SIDE MOUNTED VMS SUPPORT (TYPE 2) AND SIDE MOUNTED VMS SUPPORT FOUNDATION (2 EA.). INSTALL MOTORIST AID VARIABLE MESSAGE SIGN- TYPE A ON SUPPORT. SIGN SUPPORT SHALL BE INSTALLED AT AN ANGLE AS NOTED ON THE PLAN BETWEEN THE FRON SIDE OF THE SIGN SUPPORTS AND THE TANGENT LINE AS SHOWN IN THE DIRECTION OF ONCOMING TRAFFIC.

(D) INSTALL ELECTRICAL METERED SOCKET WITH 3IN RIGID METAL CONDUIT, NYLON PULL CORD, AND NECESSARY CLAMPS, COUPLING AND HARDWARE. REFER TO VMS CONTROLLER CABINET DETAILS ON DWG. NO IMS-16. WORK TO BE INCLUDED IN THE PRICE BID FOR ITEM # 1017032A- SERVICE (METERED).

(E) INSTALL TYPE II HANDHOLES FOR SIGN POWER MAX 250 FT APART. INSTALL TYPE II HANDHOLES FOR SIGN CONTROL MAX 500 FT APART.

(F) FRONTIER TO REPLACE EXISTING POLES WITH 45 FT. POLES UNDER ITEM NO. 1017034A INSTALL SERVICE. FRONTIER TO EXTEND SERVICE TO EXISTING SNET 9749. EVERSOURCE TO EXTEND SERVICE TO EXISTING SNET 9749.

SHEET NOTES

1) SIGN FACE SHALL BE ORIENTED PERPENDICULAR TOWARD CENTER OF TRAVEL LANES, 1,000 FT AWAY FROM SIGN FACE.

2) THE UTILITY COMPANY REPRESENTATIVES ARE:

(ELECTRIC) EVERSOURCE (FORMALLY CL&P):
NAME: JEFF BAXTER PHONE NUMBER: (203) 845-3469

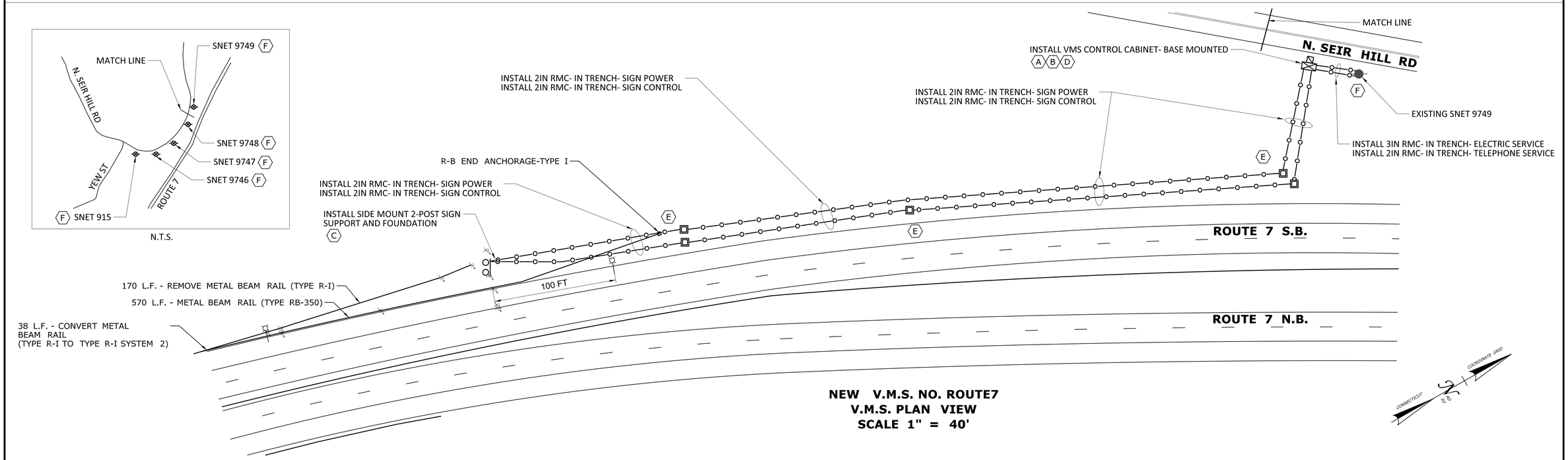
(TELEPHONE) FRONTIER (FORMALLY AT&T CONNECTICUT):
NAME: ROB RECUPERO PHONE NUMBER: (203) 378-9022 EMAIL: RDR461@FTR.COM

3) INSTALL 3IN RMC BETWEEN SERVICE CABINET AND SERVICE POLE, TO INCLUDE 90 DEGREE SWEEP (RISER TO BE INSTALLED BY EVERSOURCE). INSTALL A 1/4 IN PULL CORD IN PROPOSED 3IN ELECTRIC SERVICE CONDUIT FROM BASE OF UTILITY POLE TO THE METER SOCKET LOCATED ON THE SERVICE CABINET, IN ACCORDANCE WITH EVERSOURCE ENERGY REQUIREMENTS. EVERSOURCE TO FURNISH AND INSTALL ELECTRIC SERVICE CONDUCTORS FROM THE UTILITY SERVICE SOURCE TO THE METER SOCKET.

4) WORK ASSOCIATED WITH PROVIDING ELECTRICAL SERVICE TO SERVICE CABINET (EXCLUDING CONDUIT INSTALLATION) TO BE PAID UNDER ITEM 1017034A INSTALL SERVICE.

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

N.T.S.



NEW V.M.S. NO. ROUTE7
V.M.S. PLAN VIEW
SCALE 1" = 40'

SYMBOL	AUX DETECTOR CONN CABINET	AUX DETECTOR TERM CABINET	CCTV CAMERA	CAST IRON JUNCTION BOX	TRAFFIC FLOW MONITOR	TYPE II HANDHOLE	CCTV/VMS MINIHUB	PULLBOX	SERVICE CABINET	STEEL POLE	UTILITY POLE	VMS ON CANTILEVER	VMS ON SIDE MOUNT	PORTABLE VMS	PVC	RMC IN TRENCH	RMC SURFACE	AERIAL FIBER OPTIC CABLE
PROPOSED																		
EXISTING																		

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.

Plotted Date: 6/17/2017

DESIGNER/DRAFTER: AMC
CHECKED BY: RAK
SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\TR_MSH_HOP_0173-0472_10.dgn

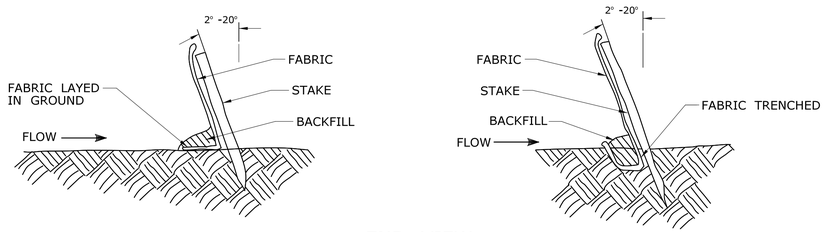
SIGNATURE/BLOCK: BUREAU OF HIGHWAY OPERATIONS
APPROVED BY:

PROJECT TITLE:
REPLACEMENT OF HIGHWAY SIGNING ON ROUTE 15

TOWN: **NORWALK**

DRAWING TITLE:
LOCATION PLAN VMS 7S-NEW

PROJECT NO. **173-472**
DRAWING NO. **IMS-09**
SHEET NO. **07.09**



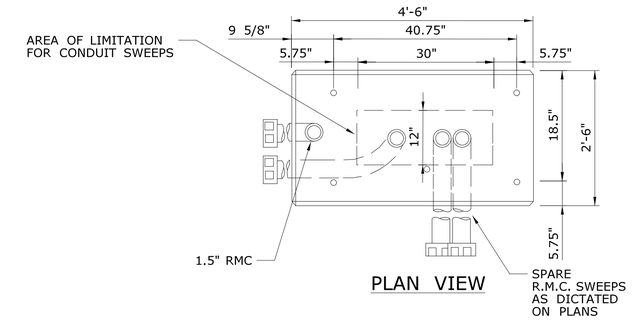
END VIEW

BACKFILLING GEOTEXTILE TOE

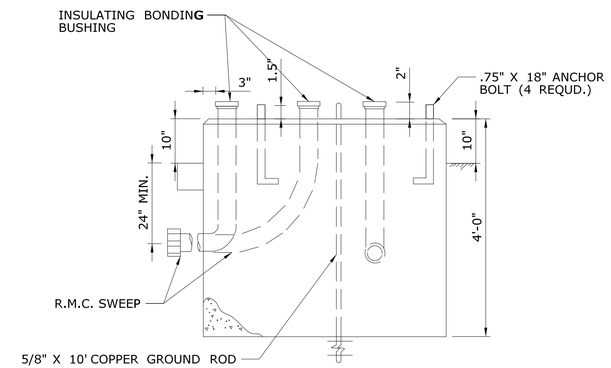
TRENCHING GEOTEXTILE TOE

SEDIMENTATION CONTROL FILTER FABRIC FENCE SYSTEM

(SEE NOTES 1-11)

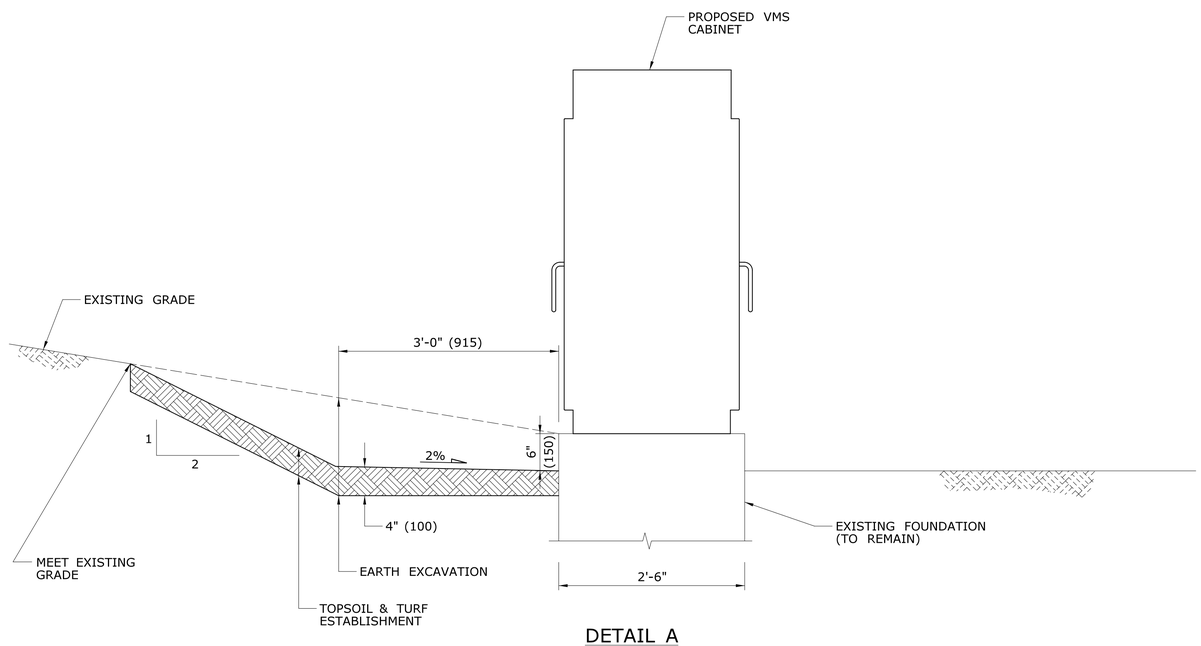


PLAN VIEW



ELEVATION VIEW

TRAFFIC CONTROL FOUNDATION CONTROLLER TYPE V



DETAIL A

SLOPE REGRADING FOR VMS CABINET

NOTES:

1. GEOTEXTILE FENCE SHOULD BE PLACED SO THE FENCE LEANS TOWARD THE SOURCE OF SEDIMENT.
2. MAXIMUM SPACING FOR WOODEN STAKES OR STEEL POSTS IS 3m (10'-0").
3. WOOD STAKES SHALL HAVE A MINIMUM CROSS-SECTION SIZE OF 38mm X 38mm (1.5" X 1.5") AND A MINIMUM LENGTH OF 107cm (3'-6"). STEEL POSTS SHALL BE AT LEAST 0.5 LB. PER LINEAR FOOT WITH A MINIMUM LENGTH OF 122cm (4'-0").
4. WOODEN STAKES OR STEEL POSTS SHALL BE DRIVEN TO A MINIMUM OF 31cm (1 FT). INTO THE GROUND.
5. 16cm (6") OF GEOTEXTILE SHALL BE BURIED BY BACKFILLING OR TRENCHING AND AT LEAST 76 cm (2'-6"). IN HEIGHT OF GEOTEXTILE SHALL BE EXPOSED.
6. FABRIC SHALL BE JOINED ONLY AT A SUPPORT POST WITH A MINIMUM OF 16cm (6") OVERLAP AND SECURELY SEALED.
7. UPON RE-RESTABLISHMENT OF GROUND COVER IN DISTURBED AREAS AND WHEN DIRECTED BY THE ENGINEER, OR UPON FINAL INSPECTION FENCE AND ANY SEDIMENT SHALL BE REMOVED. AT NO TIME WILL THE FENCE REMAIN IN PLACE AFTER PROJECT COMPLETION.
8. GEOTEXTILE FENCE SHALL NOT BE USED IN A WATER COURSE.
9. ONLY GEOTEXTILE FROM THE DEPARTMENTS APPROVED PRODUCT LIST SHALL BE USED.
10. BACKFILLING OF GEOTEXTILE SHALL ONLY BE USED WHEN GROUND IS FROZEN OR WHERE OTHER OBSTRUCTIONS ARE ENCOUNTERED THAT PROHIBIT TRENCHING, IE. STUMPS OR ROCKS.
11. CLEAN OUT ACCUMULATED SEDIMENT WHEN ONE-HALF ($\frac{1}{2}$) OF THE ORIGINAL HEIGHT OF THE GEOTEXTILE FENCE, AS INSTALLED, BECOMES FILLED WITH SEDIMENT OR AS DIRECTED BY THE ENGINEER.

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.

Plotted Date: 6/16/2017

DESIGNER/DRAFTER: **AMC**

CHECKED BY: **RAK**

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\03.57-MISC DETAILS.DGN

SIGNATURE/ BLOCK: **BUREAU OF HIGHWAY OPERATIONS**

APPROVED BY: DATE:

PROJECT TITLE: **REPLACEMENT OF HIGHWAY SIGNING ON ROUTE 15**

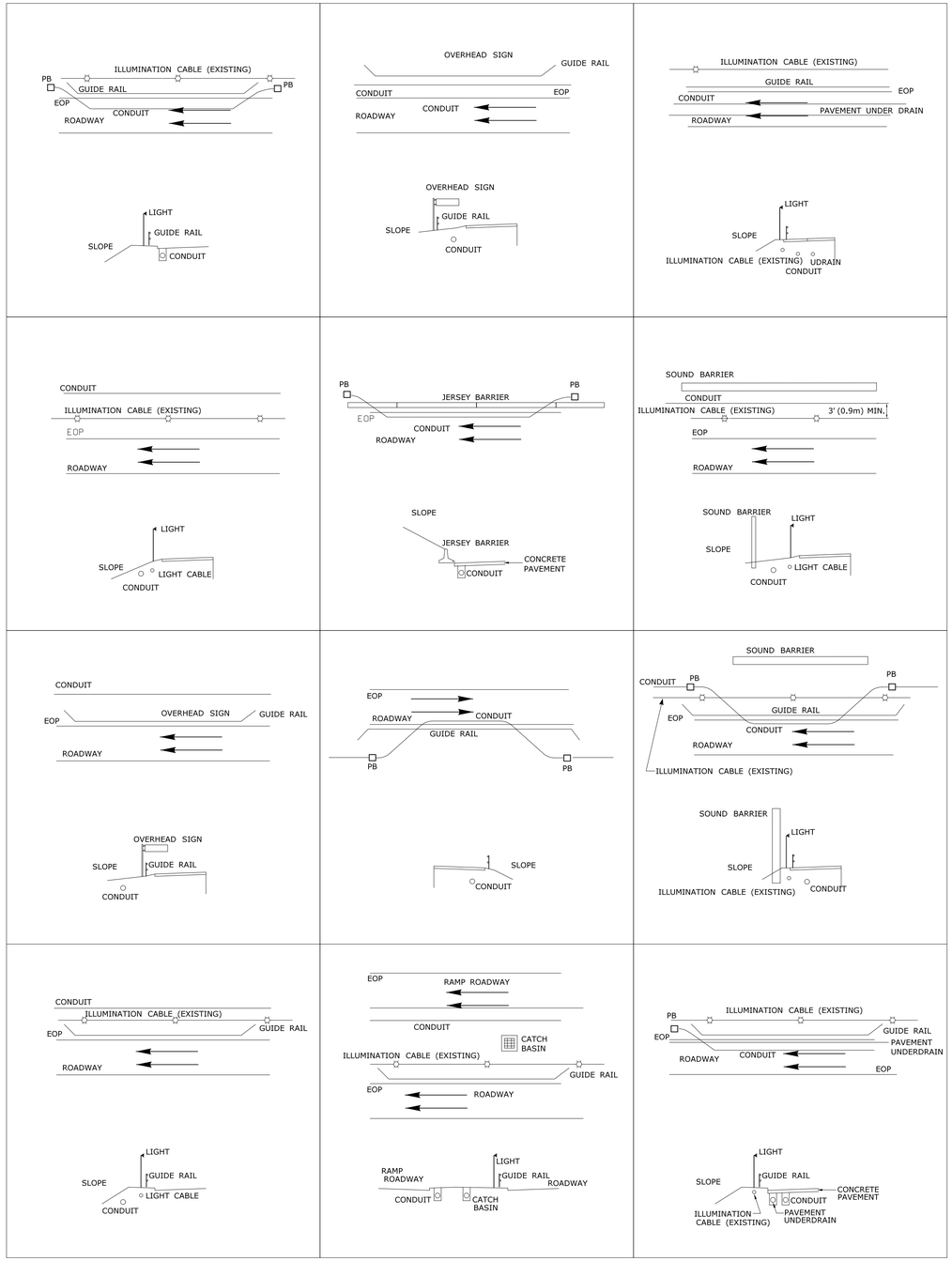
TOWN: **VARIOUS**

DRAWING TITLE: **MISCELLANEOUS DETAILS**

PROJECT NO. **173-472**

DRAWING NO. **IMS-10**

SHEET NO. **07.10**



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

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

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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Plotted Date: 6/14/2017

DESIGNER/DRAFTER:

CHECKED BY:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\CTDOT_HIGHWAY_OPS_GD.dgn

SIGNATURE/BLOCK:
BUREAU OF HIGHWAY OPERATIONS
APPROVED BY: DATE:

PROJECT TITLE:
REPLACEMENT OF HIGHWAY SIGNING ON ROUTE 15

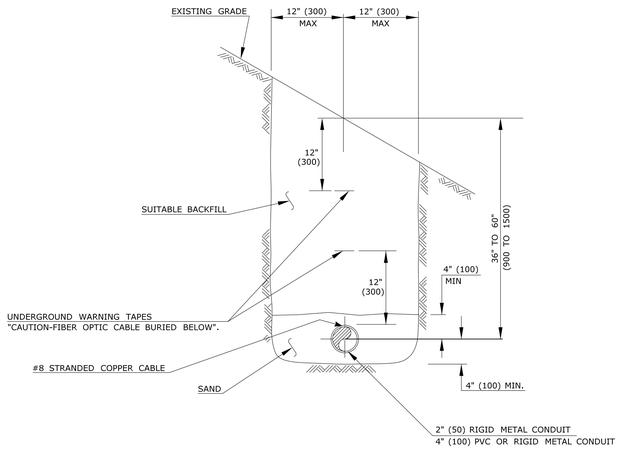
TOWN: VARIOUS LOCATIONS

DRAWING TITLE: TYPICAL SECTIONS GENERAL NOTES

PROJECT NO. 173-472

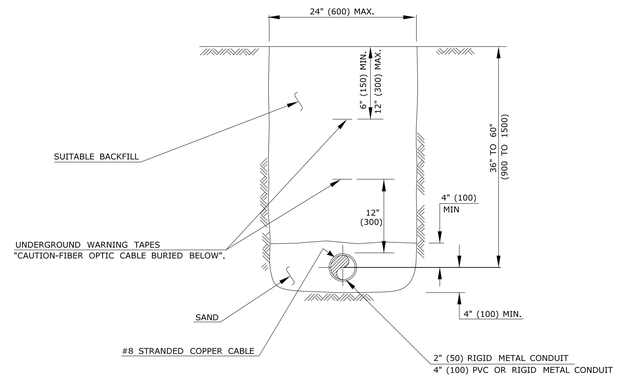
DRAWING NO. IMS-11

SHEET NO. 07.11

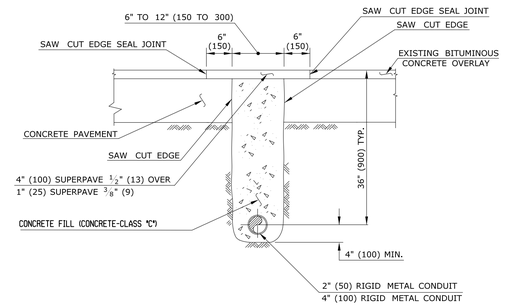


CONDUIT IN SLOPED EARTH

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

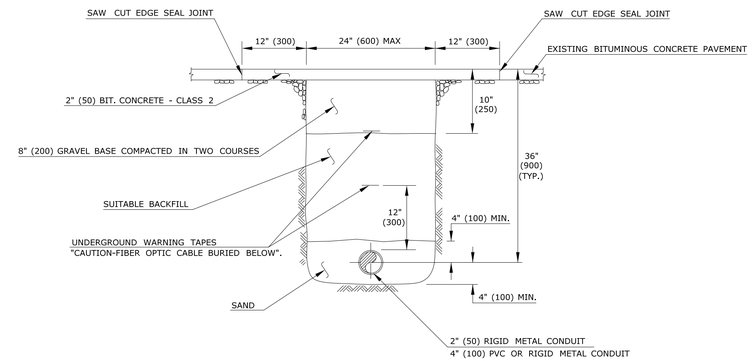


CONDUIT IN LEVEL EARTH

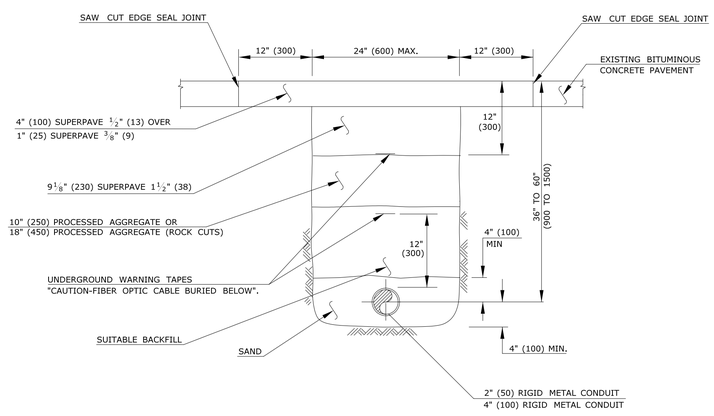


R.M.C. UNDER BITUMINOUS CONCRETE OVERLAYED CONCRETE PAVEMENT

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

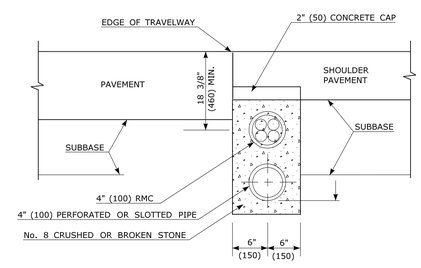


R.M.C. UNDER BITUMINOUS CONCRETE SIDEWALK OR DRIVEWAY

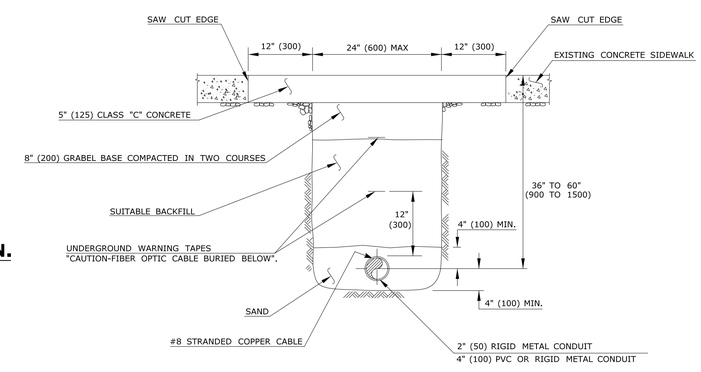


R.M.C. UNDER BITUMINOUS CONCRETE PAVEMENT

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

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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Plotted Date: 6/14/2017

DESIGNER/DRAFTER: D.K. SWINBURNE

CHECKED BY: R.A. KENNEDY

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\CTDOT_HIGHWAY_OPS_GD.dgn

SIGNATURE/BLOCK: BUREAU OF HIGHWAY OPERATIONS

APPROVED BY: DATE:

PROJECT TITLE: REPLACEMENT OF HIGHWAY SIGNING ON ROUTE 15

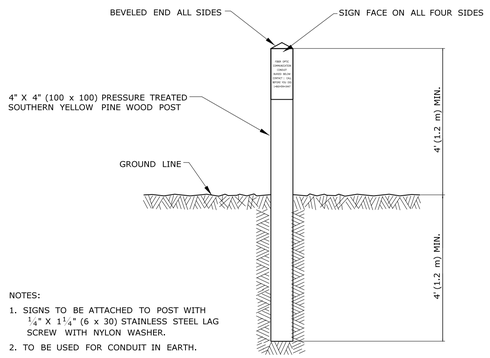
TOWN: VARIOUS LOCATIONS

DRAWING TITLE: IMS TRENCHING DETAILS

PROJECT NO. 173-472

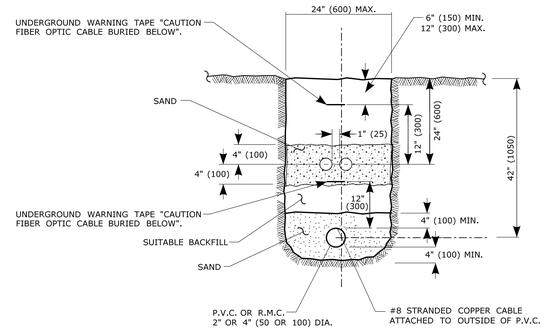
DRAWING NO. IMS-12

SHEET NO. 07.12

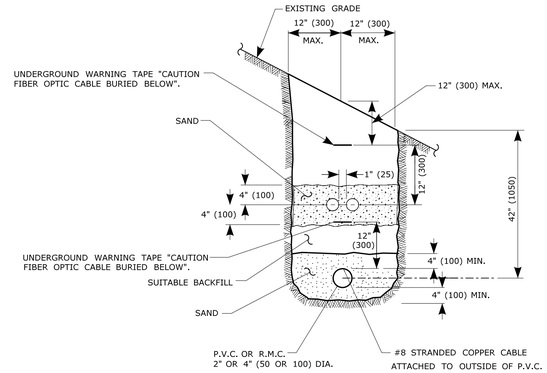


NOTES:
1. SIGNS TO BE ATTACHED TO POST WITH $\frac{1}{4}$" X $1\frac{1}{4}$" (6 x 30) STAINLESS STEEL LAG SCREW WITH NYLON WASHER.
2. TO BE USED FOR CONDUIT IN EARTH.

IDENTIFICATION POST DETAIL

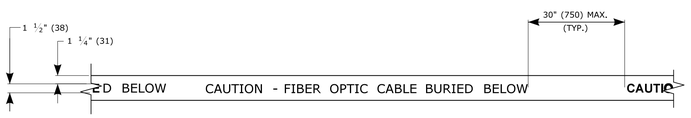


CONDUIT IN LEVEL EARTH

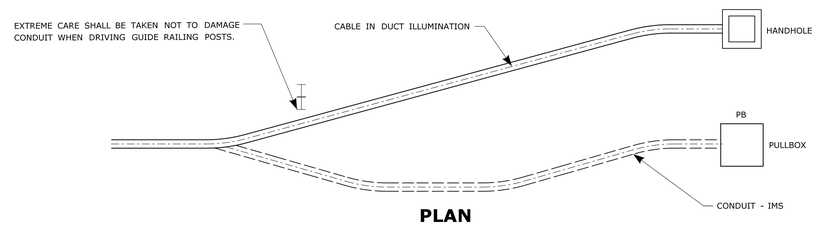


CONDUIT IN SLOPED EARTH

IMS CONDUIT UNDER ILLUMINATION TRENCHING DETAILS

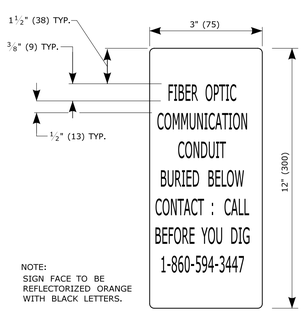


WARNING TAPE



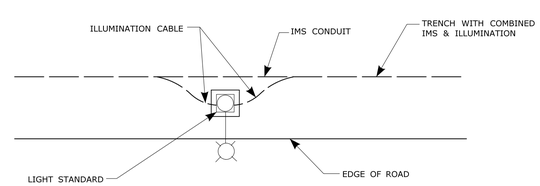
PLAN

IMS CONDUIT & ILLUMINATION CABLE IN DUCT IN TRENCH WHERE SEPARATED AT RAMP CROSSINGS AND BRIDGE STRUCTURES (TYP.)

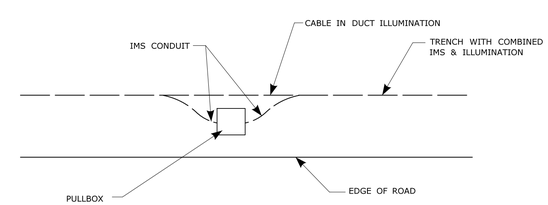


NOTE:
SIGN FACE TO BE REFLECTORIZED ORANGE WITH BLACK LETTERS.

SIGN FACE DETAIL



AT LIGHT STANDARD



AT PULL BOX

TYPICAL TRENCH DETAILS FOR IMS CONDUIT

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
1	8/5/14	REVISED NUMBER ON CBYD SIGN FACE DETAIL	

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

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\CTDOT_HIGHWAY_OPS_GD.dgn

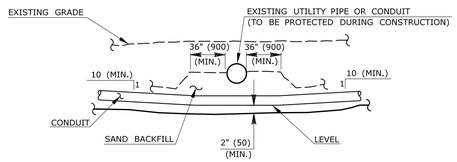
SIGNATURE/BLOCK: BUREAU OF HIGHWAY OPERATIONS
APPROVED BY: DATE:

PROJECT TITLE: REPLACEMENT OF HIGHWAY SIGNING ON ROUTE 15

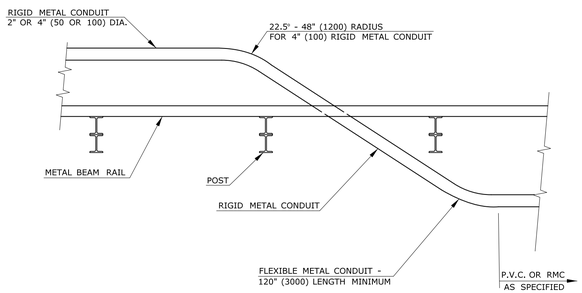
TOWN: VARIOUS LOCATIONS

DRAWING TITLE: IDENTIFICATION POST AND IMS WITH ILLUMINATION DETAILS

PROJECT NO. 173-472
DRAWING NO. IMS-13
SHEET NO. 07.13

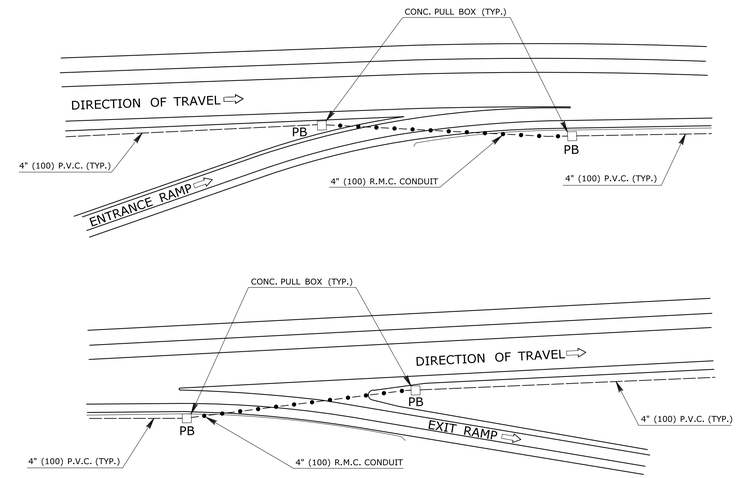


CONDUIT CROSSING UNDER EXISTING UTILITY



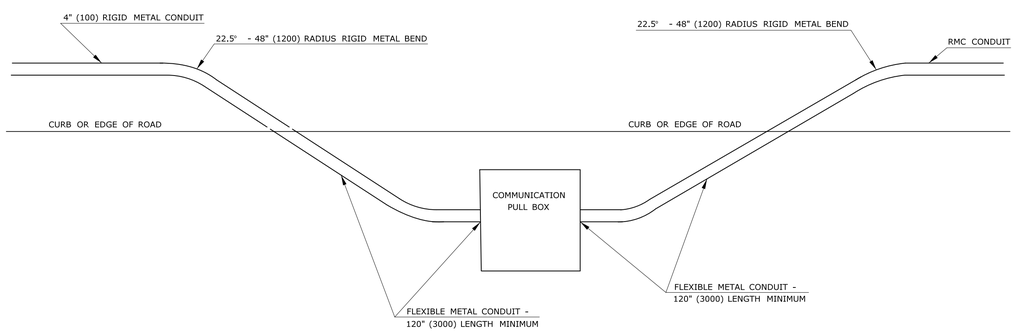
NOTES:
CONTRACTOR TO RESTORE AREAS DISTURBED BY TRENCH TO ORIGINAL CONDITION.
CONTRACTOR SHALL INSTALL CONDUIT AT A MINIMUM DEPTH OF 40" (1000).
CONTRACTOR SHALL BE RESPONSIBLE FOR ASSURING THAT CONDUIT
WILL NOT CONFLICT WITH UNDERGROUND UTILITIES.

TYPICAL GUIDE RAIL CROSSING



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.

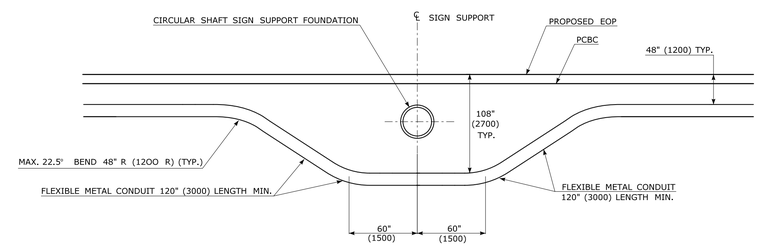
TYPICAL RAMP CROSSING



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 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



4" (100) CONDUIT TREATMENT AT SIGN SUPPORT

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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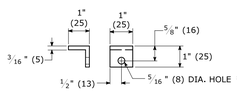
APPROVED BY: DATE:

PROJECT TITLE: REPLACEMENT OF HIGHWAY SIGNING ON ROUTE 15

TOWN: VARIOUS LOCATIONS

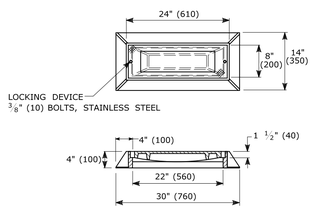
DRAWING TITLE: TYPICAL IMS CONDUIT CROSSING DETAILS

PROJECT NO. 173-472
DRAWING NO. IMS-14
SHEET NO. 07.14

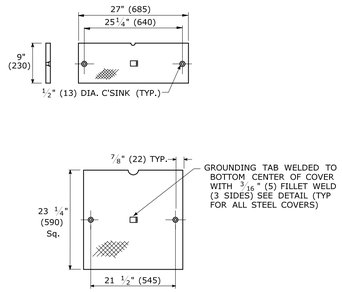


* NOTE:
ATTACH 6' (2 m) LENGTH OF NO. 8 GROUND WIRE TO GROUNDING TAB WITH ONE HOLE LUG, 1/4"-20 X 3/4" (M6 X 20) LG. SST HEX HEAD BOLT, AND SST FLAT WAHSER. ATTACH FREE END OF GROUND WIRE TO CONDUIT BONDING BUSHING IN HANDHOLE.

STEEL GROUNDING TAB



CAST IRON

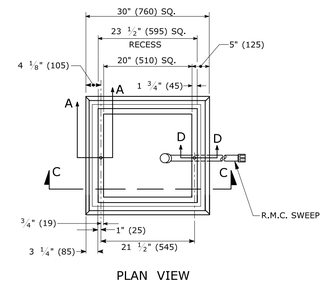


3/8" (10) NON SKID FLOOR PLATE
GALVANIZED STEEL

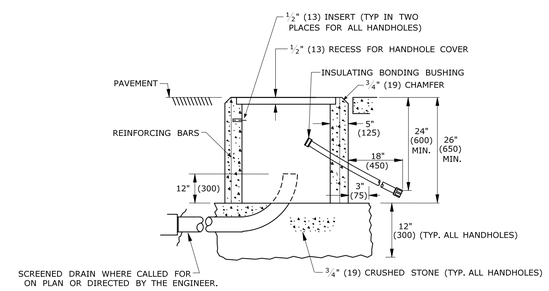
HANDHOLE COVERS

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.



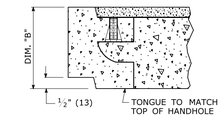
PLAN VIEW



SECTION C-C

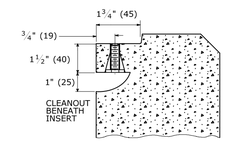
CONCRETE HANDHOLE
CLASS "A" CONCRETE

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

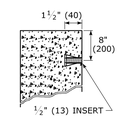


SECTION "A-A"

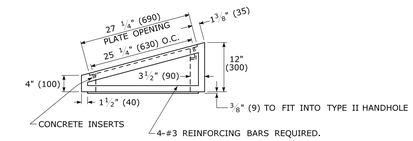
HANDHOLE EXTENSIONS
12 - #8 REINFORCING BARS REQ'D

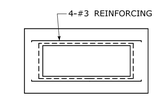


SECTION "D-D"



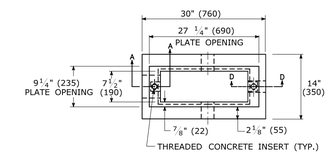
INSERT DETAIL

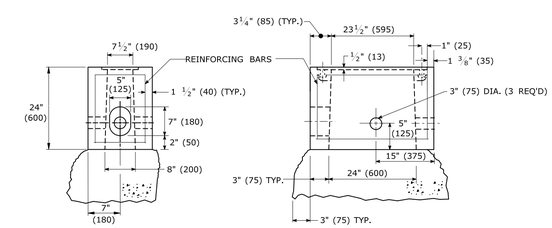




TOP VIEW DIMENSIONS AND SECTION VIEWS SAME AS CONCRETE HANDHOLE.

CONCRETE HANDHOLE TYPE II
BANK ADAPTER





CONCRETE HANDHOLE TYPE II
CLASS "C" CONCRETE

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\CTDOT_HIGHWAY_OPS_GD.dgn

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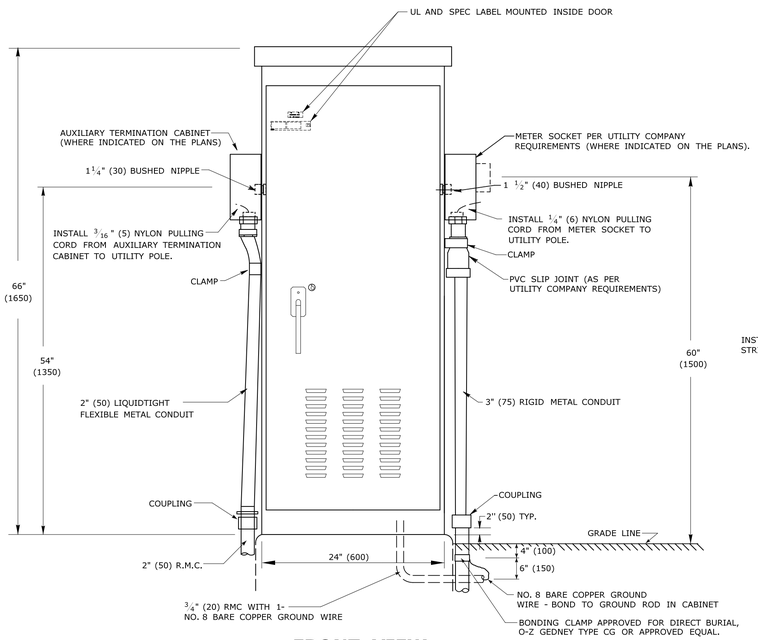
APPROVED BY: DATE:

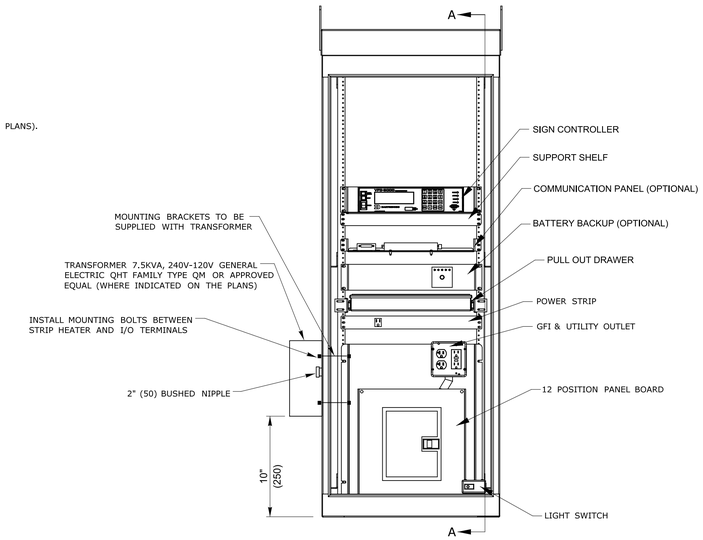
PROJECT TITLE: **REPLACEMENT OF HIGHWAY SIGNING ON ROUTE 15**

TOWN: **VARIOUS LOCATIONS**
DRAWING TITLE: **CONCRETE HANDHOLE DETAILS**

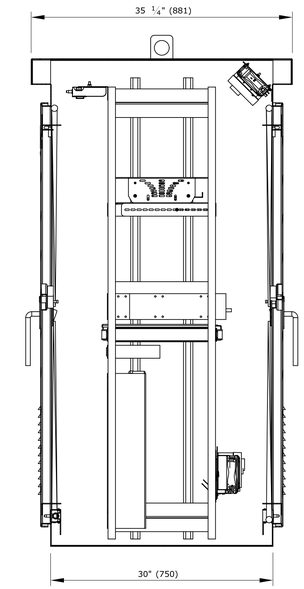
PROJECT NO. **173-472**
DRAWING NO. **IMS-15**
SHEET NO. **07.15**



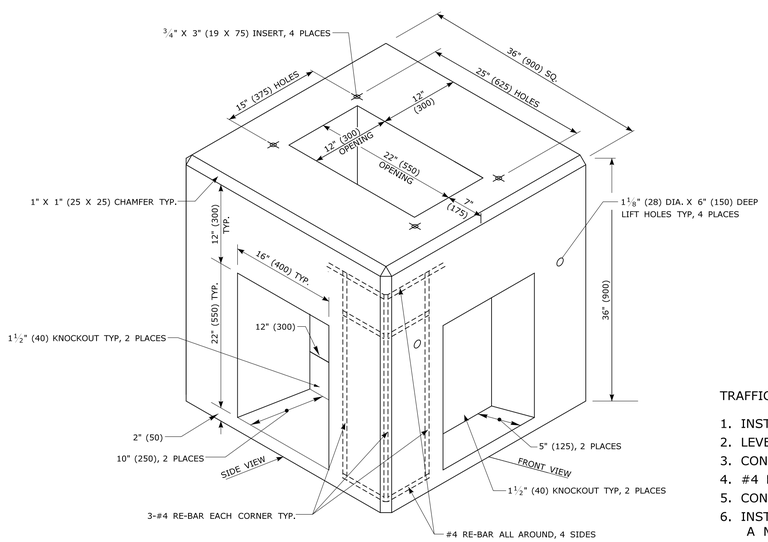
FRONT VIEW
(DOOR SHOWN)



FRONT VIEW
(NO DOOR SHOWN)



SECTION: A-A



PRE-CAST
TRAFFIC CONTROL FOUNDATION - CONTROLLER - TYPE IV MODIFIED

TRAFFIC CABINET NOTES:

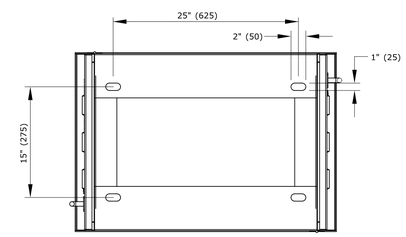
1. PAD MOUNT CONFIGURATION
2. 0.125" (3) ALUMINUM, 5052-H34 CONSTRUCTION WITH CONTINOUSLY WELDED EXTERNAL SEAMS.
3. THREE POINT LATCH WITH STAINLESS STEEL HANDLE
4. DOUBLE FLANGED DOOR SEAL WITH 1/4" X 2" (6 X 50) CLOSED CELL NEOPRENE GASKET.
5. FULL LENGTH EIA GAGE FOR 19" (475) EQUIPMENT
6. ADJUSTABLE PULL OUT DRAWER
7. DOOR OPENING: 21.50" X 54.75" (538 X 1369).
8. FULL LENGTH STAINLESS STEEL HINGE
9. ALL STAINLESS STEEL HARDWARE
10. CORBIN LOCK KEYED TO CORBIN #2
11. NEMA 3R ENCLOSURE
12. SHIPPED ON A WOOD PALLET
13. INSTALL CONCRETE SIDEWALK ON FRONT AND BACK SIDE OF FOUNDATION 36" X 36", 4" THICK MIN. (900 X 900, 100 THICK MIN.). 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.

TRAFFIC CONTROL FOUNDATION NOTES, GENERAL:

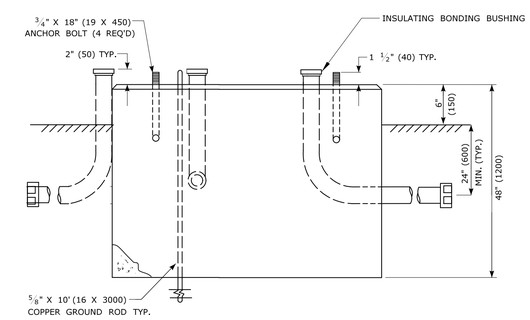
1. INSTALL FOUNDATION ON 6" (150) COMPACTED GRAVEL, IN ACCORDANCE WITH SECTION 2.14.
2. LEVEL FOUNDATION WITH A PROJECTION OF 6" (150) ABOVE FINISHED GRADE.
3. CONCRETE: CLASS "F" CONFORMING TO ARTICLE M. 03-01.
4. #4 RE-BAR 2" (50) MIN. COVER AROUND ALL OPENINGS. 3 - #4 RE-BARS IN EACH CORNER.
5. CONDUITS 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.



BOTTOM VIEW
(DOOR SHOWN)



CAST IN PLACE

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.

Plotted Date: 6/14/2017

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

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\CTDOT_HIGHWAY_OPS_GD.dgn

SIGNATURE/BLOCK: BUREAU OF HIGHWAY OPERATIONS
APPROVED BY: DATE:

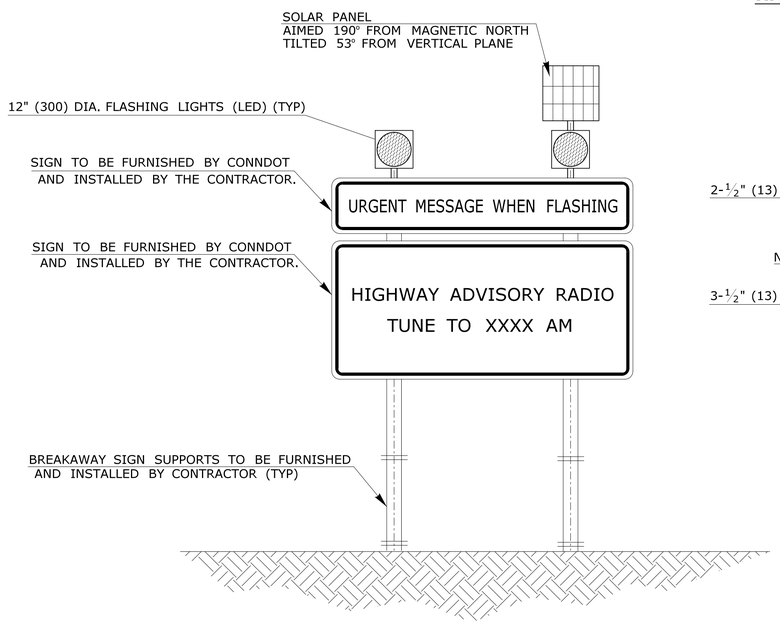
PROJECT TITLE: REPLACEMENT OF HIGHWAY SIGNING ON ROUTE 15

TOWN: VARIOUS LOCATIONS

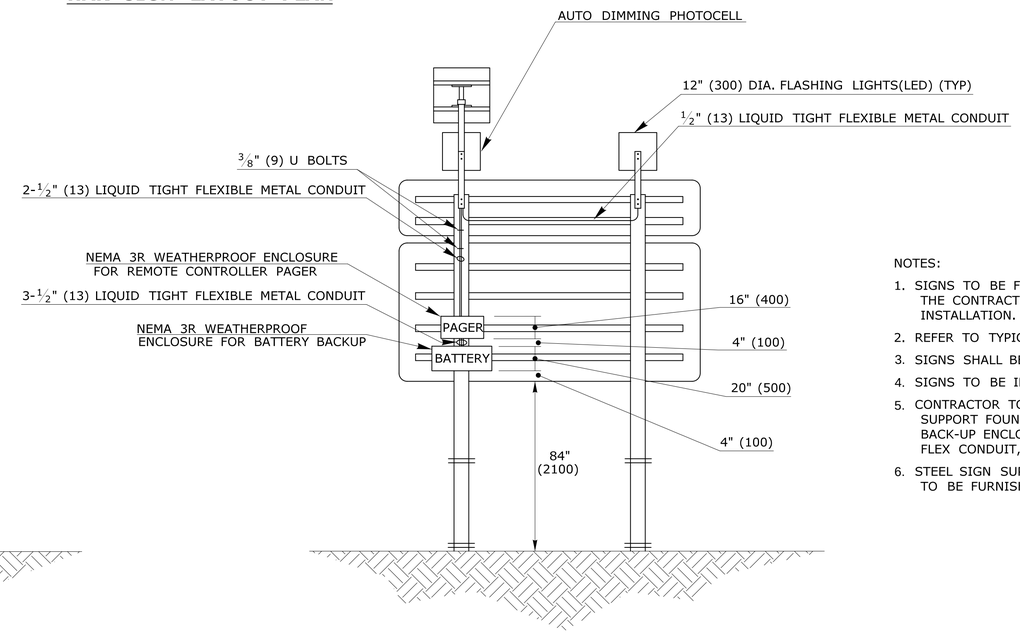
DRAWING TITLE: VMS CONTROLLER CABINET AND FOUNDATION

PROJECT NO. 173-472
DRAWING NO. IMS-16
SHEET NO. 07.16

HAR SIGN LAYOUT PLAN



FRONT VIEW OF SIGN



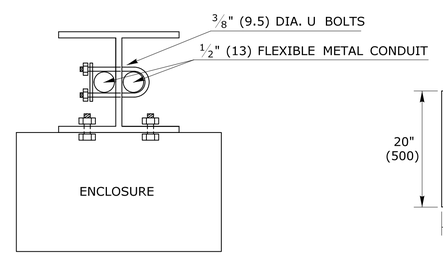
BACK VIEW OF SIGN

NOTES:

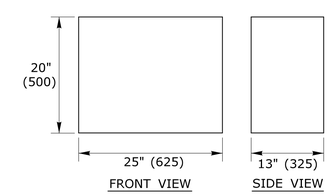
1. SIGNS TO BE FURNISHED BY THE DEPARTMENT AND INSTALLED BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE SIGN ORDER AND INSTALLATION. THE CONTRACTOR SHALL CALL (860) 258-4675 TO REQUEST SIGN ORDER.
2. REFER TO TYPICALS SHEETS ENTITLED "POST MOUNTED SIGNS ON BREAKAWAY COUPLING SYSTEM".
3. SIGNS SHALL BE ORDERED FROM DOT SIGN CATALOG #52-5910 AND 41-5905.
4. SIGNS TO BE INSTALLED BY THE CONTRACTOR USING DOUBLE SIDED MOUNTING TAPE.
5. 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.
6. STEEL SIGN SUPPORTS AND STEEL SIGN SUPPORT FOUNDATIONS TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

SCHEDULE OF MATERIALS

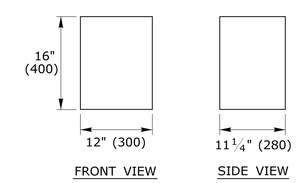
	QTY	HEIGHT	WIDTH	DEPTH	WEIGHT lbs. (kg)	METHOD OF MOUNTING
SOLAR PANEL	1	44" (1100)	26" (660)	7 5/8" (190)	75 (34)	2 1/2" (65) GALVANIZED TUBING (SEE MOUNT BELOW)
MOUNT FOR SOLAR PANEL	1	60" (1500)	2" (50)	2" (50)	20 (9)	2 EACH 65mm (1.0)X9.5mm U-BOLT (STAINLESS STEEL)
FLASHING LIGHTS(LED)	2	12" (300)	12" (300)	18" (450)	14 1/2(6.6)	1 1/2" (38) U-CHANNEL
MOUNT FOR FLASHING LIGHTS	2	30" (750)	1 1/2" (38)	1 1/2" (38)	10 (4.5)	2 EACH 3/8" (9.5) STAINLESS STEEL BOLT PER LIGHT
PAGER CABINET	1	16" (400)	12" (300)	11 1/8" (280)	28 (12.7)	4 EACH 3/8" (9.5) STAINLESS STEEL BOLT
BATTERY CABINET	1	20" (500)	25" (625)	13" (325)	150 (68)	4 EACH 3/8" (9.5) STAINLESS STEEL BOLT
BATTERIES	1	SEE SPECIFICATIONS				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 REQUIRED IN STATE TYPICAL DRAWINGS				-
FLEXIBLE CONDUIT	-	1/2" (13)				SEE BEAM DETAIL 9.5MM UBOLTS
STEEL SUPPORT FOUNDATIONS	2	AS REQUIRED IN STATE TYPICAL DRAWINGS				
ALL EQUIPMENT TO BE MOUNTED TO SIGN POST BY FIELD DRILLING AND BOLTING DIRECTLY TO STEEL						



BEAM DETAIL



BATTERY CABINET DETAIL



PAGER CABINET DETAIL

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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Plotted Date: 6/14/2017

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

STATE OF CONNECTICUT
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Filename: ...\CTDOT_HIGHWAY_OPS_GD.dgn

SIGNATURE/ BLOCK: **BUREAU OF HIGHWAY OPERATIONS**
APPROVED BY: DATE:

PROJECT TITLE: **REPLACEMENT OF HIGHWAY SIGNING ON ROUTE 15**

TOWN: **VARIOUS LOCATIONS**

DRAWING TITLE: **REMOTE CONTROL FLASHING LIGHT AND HAR SIGN LAYOUT PLAN**

PROJECT NO. **173-472**
DRAWING NO. **IMS-17**
SHEET NO. **07.17**