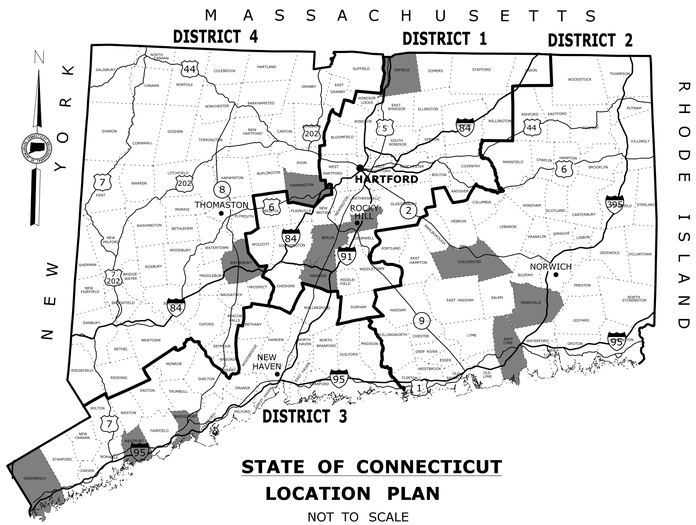
CONNECTICUT DEPARTMENT OF TRANSPORTATION

Plans For

STATEWIDE REPLACEMENT OF OVERHEAD SIGN SUPPORTS ON VARIOUS ROUTES

Town(s)/City of

GREENWICH, WESTPORT, BRIDGEPORT, WATERBURY, MERIDEN, BERLIN, ROCKY HILL, FARMINGTON, EAST HARTFORD, ENFIELD, COLCHESTER



STATE OF CONNECTICUT
LOCATION PLAN
NOT TO SCALE

F.A.P. #	MAINTENANCE RESPONSIBILITY	PROJECT #
N/A	STATE OF CONNECTICUT	0170-3447

GENERAL NOTES:

1. CONSTRUCTION SPECIFICATIONS:
   Connecticut Department of Transportation, Standard Specifications for Roads, Bridges, Facilities and Incidental Construction, Form 817, dated 2016; Supplemental Specifications, dated January 2018; and Special Provisions

DISCLAIMER

IT IS THE RESPONSIBILITY OF EACH BIDDER AND ALL OTHER INTERESTED PARTIES TO OBTAIN ALL BIDDING RELATED INFORMATION AND DOCUMENTS FROM OFFICIAL SOURCES WITHIN THE DEPARTMENT.

PERSONS AND/OR ENTITIES WHICH REPRODUCE AND/OR MAKE SUCH INFORMATION AVAILABLE BY ANY MEANS ARE NOT AUTHORIZED BY THE DEPARTMENT TO DO SO AND MAY BE LIABLE FOR CLAIMS RESULTING FROM THE DISSEMINATION OF UNOFFICIAL, INCOMPLETE AND/OR INACCURATE INFORMATION.

CONSTRUCTION NOTES

1. THE RELATIVE LOCATION OF EACH SIGN ON OVERHEAD STRUCTURE IS SHOWN READING ALPHABETICALLY FROM LEFT TO RIGHT AS VIEWED BY TRAFFIC.
2. ALL SIGN FOUNDATIONS SHALL BE FIELD STAKED AND THE LOCATIONS APPROVED BY AN ENGINEER FROM THE DIVISION OF TRAFFIC ENGINEERING BEFORE CONCRETE IS POURED.
3. THE REMOVAL OF EXISTING OVERHEAD SIGNS WILL BE PAID FOR UNDER ITEM#1206025A "REMOVAL AND RELOCATION OF EXISTING OVERHEAD SIGNING."
4. THE CONTRACTOR SHALL CLEAR AND TRIM AS DIRECTED BY THE ENGINEER TO PROVIDE ADEQUATE SIGHTLINE TO THE SIGNS. THIS WORK SHALL BE PAID FOR UNDER ITEM #0952001A SELECTIVE CLEARING AND THINNING.
5. WHEN A SIGN IS TO BE REPLACED THE EXISTING SIGN IS NOT TO BE REMOVED UNTIL THE REPLACEMENT SIGN IS INSTALLED.
6. ALL EXISTING PAVEMENT MARKINGS SHOWN ARE TO REMAIN EXCEPT WHERE NOTED OTHERWISE.

THIS PROJECT IS COMBINED WITH PROJECT No. 0148-0210

LIST OF SUBSETS

SUBSET NO.	SUBSET TITLE	*SUBSET SHEET COUNT
01	GENERAL	4
02	REVISIONS	1
03	TRAFFIC	18
04	HIGHWAYS	10
05	EXTRUDED ALUMINUM SIGN PANEL	3
06	DRILLED SHAFT FOUNDATION	2
07	BREAKAWAY SIGN SUPPORT	7
08	CANTILEVER TRUSS SIGN SUPPORT	5
09	OVERHEAD TRUSS SIGN SUPPORT	6
10	MONOTUBE BRIDGE SIGN SUPPORT	5
11	HW OPS - FIO	6
12	STRUCTURES SITE 9 (EAST HARTFORD)	4
	CTDOT TRAFFIC STANDARD SHEETS	10
	CTDOT HIGHWAY STANDARD SHEETS	22

*THE INITIAL SUBSET SHEET COUNT DOES NOT INCLUDE ADDENDUMS AND CHANGE ORDERS

LIST OF DRAWINGS
SUBSET 01 - GENERAL

DRAWING TITLE	DRAWING NO.
TITLE SHEET	G-1
DETAIL ESTIMATE SHEET	EST-1
DETAIL ESTIMATE SHEET	EST-2
CONCRETE WASHOUT DETAIL	MDS-01

STANDARD CONVENTIONS

North Arrow W/No. Coor.
Grid Arrow
Edge Of Road
Concrete Pavement
Dirt Road
B.C.L.C.
Granite Curb
Guide Rail
Concrete Median Barrier
Bit. Walk
Conc. Sidewalk
Railroad Tracks
Limit Of Marsh
Stone Wall
Ledge Outcrop
Inland Wetland Limits
STATE LINE
Power Line
Swamp
Building
Transmission Tower
Chain Link Fence
Rustic Fence
Pipe Fence
Board Fence
Property Line
Lot Line
Easement Line
Water Edge
Stream
Ditch
TOWN LINE
Highway Line
Street Line
Riprap
Hedge Row
Tree Line
Shrub
Evergreen Tree
Deciduous Tree
Retaining Wall

WATERMARK BLOCK:
OFFICE OF ENGINEERING
SUBMITTED BY:

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.

Mark F. Makuch, P.E.
2018.08.08 14:21:55-04'00'

SUBMITTED BY: TRANSPORTATION PRINCIPAL ENGINEER - MARK F. MAKUCH, P.E.

Mark F. Carlino, P.E.
2018.08.08 16:13:52-04'00'

APPROVAL RECOMMENDED BY: DIVISION CHIEF OF TRAFFIC ENGINEERING - MARK F. CARLINO, P.E.

Scott Hill, P.E.
2018.08.09 12:40:07-04'00'

APPROVED BY: TRANSPORTATION ENGINEERING ADMINISTRATOR - SCOTT A. HILL, P.E.

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Town(s)/City
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STATE PROJECT NO. **0170-3447**
DRAWING NO. **G-1**
SHEET NO. **01.01.01**

GENERAL ITEMS & TRAFFIC ENGINEERING ITEMS

| | | |

HIGHWAYS | BRIDGE DESIGN

ITEM NUMBER	0202000	0202100	0202529	0207000	0209001	0213100	0304002	0305000	0406170	0406171	0406236	0601000	0601502	0821393	0821501	0821502	0822001	0910173	0910186	0910189 A	0910300	0910890	0911912	0911923	0912503	0912509	0918060	1803300	1802210.04	1802210.07	1802210.14	1802210.21			1201801 A	1201802 A	1201804 A	1202239 A	1202999 A
ITEM	Earth Excavation	Rock Excavation	CUT BITUMINOUS CONCRETE PAVEMENT	Borrow	FORMATION OF SUBGRADE	Granular Fill	PROCESSED AGGREGATE BASE	PROCESSED AGGREGATE	HMA S1	HMA S0.5	MATERIAL FOR TACK COAT	Class "A" Concrete	1/2" PREFORMED EXPANSION JOINT FILLER FOR BRIDGES	JERSEY SHAPE TRANSITION TO F-SHAPE PRECAST CONCRETE BARRIER CURB	F - SHAPE PRECAST CONCRETE BARRIER CURB (30" X 45")	F - SHAPE PRECAST CONCRETE BARRIER CURB (21" X 45")	TEMPORARY PRECAST CONCRETE BARRIER CURB	R-B 350 BRIDGE ATTACHMENT - VERTICAL SHAPED PARAPET	R-B 350 BRIDGE ATTACHMENT - TRAILING END	R-B 350 BRIDGE ATTACHMENT - JERSEY SHAPE PARAPET 10GA	METAL BEAM RAIL (R-B WASH)	R-B 350 BRIDGE ATTACHMENT SAFETY SHAPE PARAPET	ANCHOR IN EARTH CUT SLOPE	R-B END ANCHORAGE-TYPE I	REMOVE METAL BEAM RAIL	REMOVE THREE CABLE GUIDE RAILING	END ANCHORAGE TYPE A	IMPACT ATTENUATION SYSTEM (TANGENTIAL)	TEMPORARY SAND BARREL (400 lb.)	TEMPORARY SAND BARREL (700 lb.)	TEMPORARY SAND BARREL (1400 lb.)	TEMPORARY SAND BARREL (2100 lb.)			MONOTUBE BRIDGE SIGN	4 CHORD TRUSS BRIDGE SIGN STRUCTURE	4 CHORD TRUSS CANTILEVER SIGN	OVERHEAD TRUSS SIGN SUPPORT FOUNDATION	DRILLED SHAFT TRAFFIC STRUCTURE FOUNDATION
UNIT	c.y.	c.y.	l.f.	c.y.	s.y.	c.y.	c.y.	ton	ton	ton	gal	c.y.	s.f.	l.f.	l.f.	l.f.	l.f.	ea.	ea.	ea.	l.f.	ea.	ea.	ea.	l.f	l.f	ea.	ea.	ea.	ea.	ea.	ea.			ea.	ea.	ea.	ea.	ea.
SITE 1				4				18										1			560		1		150												1		1
SITE 2				4				17													300			2		340											1		1
SITE 3				15				67											2		800	2			875										1			2	
SITE 4																																							
SITE 5				8				35										1	1		420				600												1		1
SITE 6																																							
SITE 7				4				15													180				130			1							1				2
SITE 8																			2		1670	2			1780											1		2	
SITE 9	508	202	1896	66	1648	367	516		240	96	21	49	274	140	40	1640	2060			1				2					3	3	4	2				1		2	
SITE 10																																							
SITE 11																																					1		1
SUBTOTAL	508	202	1896	101	1648	367	516	152	240	96	21	49	274	140	40	1640	2060	2	5	1	3930	4	1	4	3535	340	0	1	3	3	4	2			1	3	4	6	6
UNASSIGNED	26	11	95	8	83	18	27	15	13	5	2	3	14	0	0	0	103	0	0	0	197	0	0	0	177	17	1	0	0	0	0	0			0	0	0	0	0
TOTAL	534	213	1991	109	1731	385	543	167	253	101	23	52	288	140	40	1640	2163	2	5	1	4127	4	1	4	3712	357	1	1	3	3	4	2			1	3	4	6	6

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: 7/19/2018

DESIGNER/DRAFTER: S. Bhandari

CHECKED BY: J. Massini

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\TR_MSH_0170_3447_EST.dgn

SIGNATURE/BLOCK: OFFICE OF ENGINEERING

APPROVED BY: Mark Makuch

PROJECT TITLE: STATEWIDE REPLACEMENT OF OVERHEAD SIGN SUPPORT AT VARIOUS ROUTES

TOWN: VARIOUS

DRAWING TITLE: DETAIL ESTIMATE SHEET

PROJECT NO. 170-3447

DRAWING NO. EST-2

SHEET NO. 01.01.03

NOTES

1. CONCRETE WASHOUT AREA(S) SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE. THE CONCRETE WASHOUT AREA SHALL BE ENTIRELY SELF-CONTAINED.

2. THE CONTRACTOR SHALL SUBMIT THE DESIGN, LOCATION AND SIZING OF THE CONCRETE WASHOUT AREA(S) WITH THE PROJECT'S EROSION AND SEDIMENTATION CONTROL PLAN AND SHALL BE APPROVED BY THE ENGINEER.

LOCATION: WASHOUT AREA(S) ARE TO BE LOCATED AT LEAST 50 FEET FROM ANY STREAM, WETLAND, STORM DRAINS, OR OTHER SENSITIVE RESOURCE. THE FLOOD CONTINGENCY PLAN MUST ADDRESS THE CONCRETE WASHOUT IF THE WASHOUT IS TO BE LOCATED WITHIN THE FLOODPLAIN.

SIZE: THE WASHOUT MUST HAVE SUFFICIENT VOLUME TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS INCLUDING, BUT NOT LIMITED TO, OPERATIONS ASSOCIATED WITH GROUT AND MORTAR.

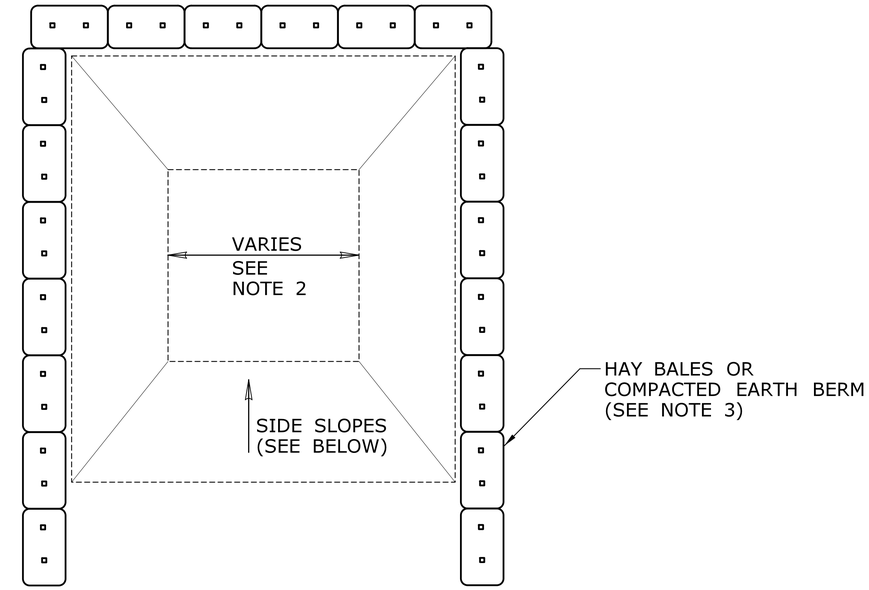
3. SURFACE DISCHARGE IS UNACCEPTABLE. THEREFORE, HAY BALES OR OTHER CONTROL MEASURES, AS APPROVED BY THE ENGINEER, SHOULD BE USED AROUND THE PERIMETER OF THE CONCRETE WASHOUT AREA FOR CONTAINMENT.

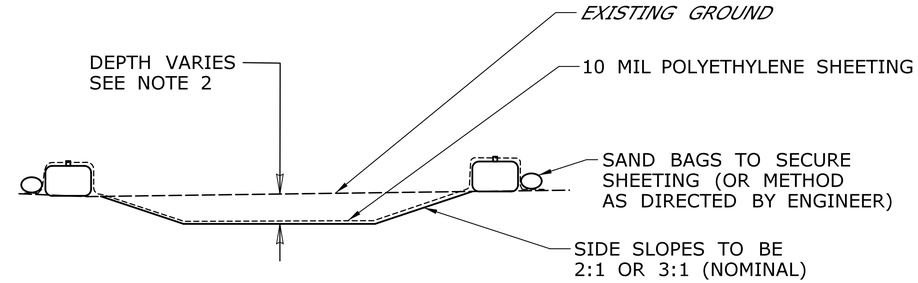
4. SIGNS SHOULD BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE CONCRETE AREA(S) AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CONCRETE WASHOUT TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS. WASHOUT AREA(S) SHOULD BE FLAGGED WITH SAFETY FENCING OR OTHER APPROVED METHOD.

5. WASHOUT AREA(S) ARE TO BE INSPECTED AT LEAST ONCE A WEEK FOR STRUCTURAL INTEGRITY, ADEQUATE HOLDING CAPACITY AND CHECKED FOR LEAKS, TEARS, OR OVERFLOWS. (AS REQUIRED BY THE CONSTRUCTION SITE ENVIRONMENTAL INSPECTION REPORT) WASHOUT AREA(S) SHOULD BE CHECKED AFTER HEAVY RAINS.

6. HARDENED CONCRETE WASTE SHOULD BE REMOVED AND DISPOSED OF WHEN THE WASTE HAS ACCUMULATED TO HALF OF THE CONCRETE WASHOUT'S HEIGHT. THE WASTE CAN BE STORED AT AN UPLAND LOCATION, AS APPROVED BY THE ENGINEER. ALL CONCRETE WASTE SHALL BE DISPOSED OF IN A MANNER CONSISTENT WITH ALL APPLICABLE LAWS, REGULATIONS, AND GUIDELINES.

7. PAYMENT FOR THIS ITEM IS TO BE INCLUDED UNDER THE GENERAL COST OF THE WORK FOR THE PROJECT, INCLUDING SITE RESTORATION.





CONCRETE WASHOUT AREA

NOT TO SCALE
(SEE NOTE 2)

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Plotted Date: 7/19/2018

DESIGNER/DRAFTER: S. BHANDARI
CHECKED BY: J. MASSINI
NTS

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DEPARTMENT OF TRANSPORTATION

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TOWN: VARIOUS

DRAWING TITLE: CONCRETE WASHOUT DETAIL

PROJECT NO. 170-3447
DRAWING NO. MDS-01
SHEET NO. 01.01.04