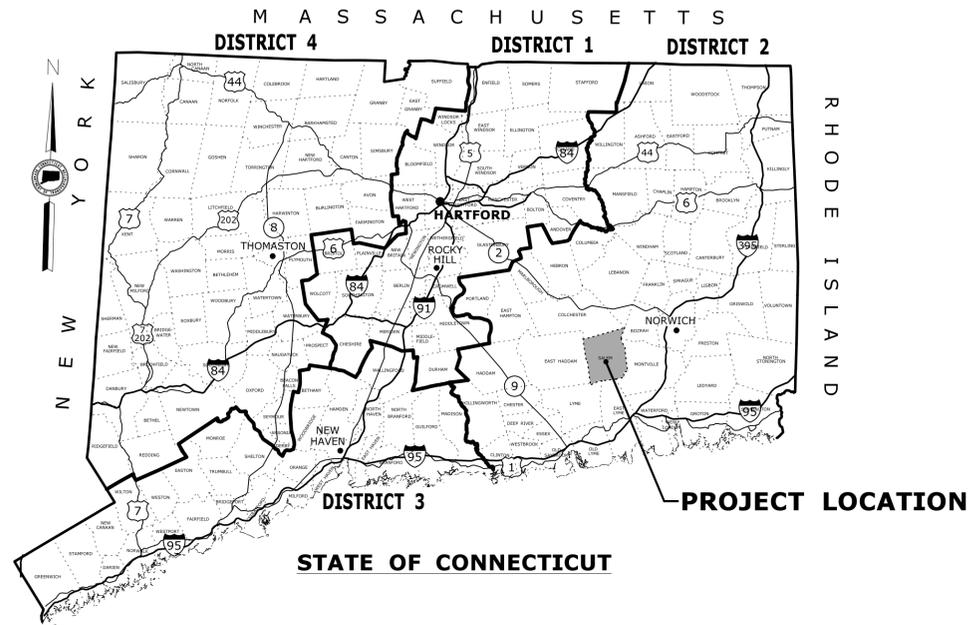
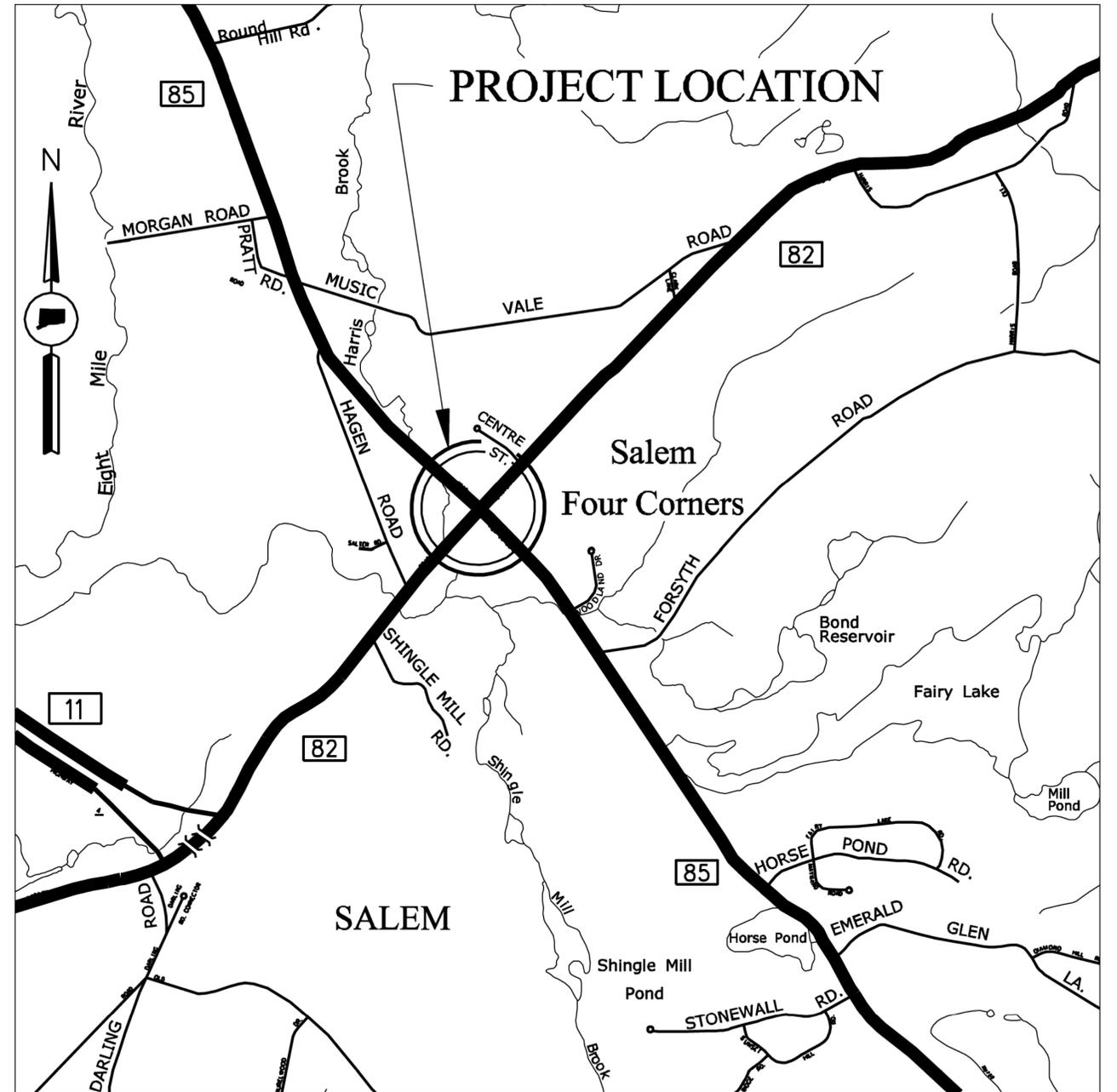


**ENVIRONMENTAL PERMIT PLANS
STATE PROJECT 120-86
ROUNDBOUT AT SALEM FOUR CORNERS
TOWN OF SALEM**



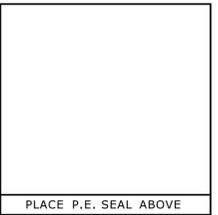
GENERAL NOTES:

1. THESE PLANS ARE INTENDED ONLY FOR ENVIRONMENTAL PERMITTING PURPOSES. THESE PLANS HOLD AUTHORITY FOR ALL ACTIVITIES CONCERNING THE REGULATED AREA. FOR DETAILED PLANIMETRIC INFORMATION AND PAYMENT REFER TO THE APPLICABLE CONTRACT DOCUMENTS.
2. THE DEPARTMENT OF TRANSPORTATION WILL ONLY SUBMIT REVISIONS TO DEEP AND ACOE FOR CHANGES TO THE DESIGN THAT WILL AFFECT REGULATED AREAS.
3. FOR A DESCRIPTION OF THE WATERCOURSES, WETLANDS AND WETLAND SOILS SEE RELEVANT SECTIONS OF THE PERMIT APPLICATION.
4. 400 FOOT GRID BASED ON CONNECTICUT COORDINATE SYSTEM N.A.D. 1927
VERTICAL DATUM BASED ON NGVD OF 1929
5. ALL CONSTRUCTION ACTIVITIES WILL BE CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S STANDARD SPECIFICATIONS FOR ROADS, BRIDGE, AND INCIDENTAL CONSTRUCTION, FORM 816, SECTION 1.10 AND WILL ALSO FOLLOW BEST MANAGEMENT PRACTICES (BMP'S) AND SEDIMENT AND EROSION CONTROL MEASURES IN ACCORDANCE WITH THE 2002 EROSION & SEDIMENTATION CONTROL GUIDELINES AND THE 2004 STORMWATER QUALITY MANUAL.



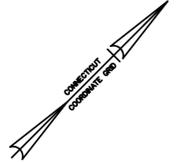
**LOCATION MAP
SCALE 1" = 1000'**

PREPARED BY:
(FOR CONSULTANT ENGINEERS)



FOR THE CONNECTICUT
DEPARTMENT OF TRANSPORTATION

DESIGNER/DRAFTER: JNT	<p align="center">STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</p>	SIGNATURE/ BLOCK: OFFICE OF ENGINEERING	PROJECT TITLE: ROUNDBOUT AT SALEM FOUR CORNERS ROUTES 82 & 85	TOWN: SALEM	PROJECT NO. 120-86
CHECKED BY: BKK		APPROVED BY: _____ DATE: _____	DRAWING TITLE: PERMIT ATTACHMENT G TITLE SHEET	DRAWING NO. PMT-01	
SCALE AS NOTED	Plotted Date: 9/2/2015	Filename: ...VHW_MSH_0120_0086_E&S_sample_Title.dgn			SHEET NO.



LEGEND FOR REGULATED AREAS:
 THE DEPARTMENT OF TRANSPORTATION WILL ONLY SUBMIT REVISIONS TO DEEP FOR CHANGES TO THE DESIGN THAT WILL EFFECT THE NOTED REGULATED AREAS.

-  TEMPORARY WETLAND IMPACTS
-  PERMANENT WETLAND IMPACTS
-  MITIGATION SITE
-  WETLAND LIMITS
-  ORDINARY HIGH WATER (OHW) LINE
-  100YR - FEMA 100YR FLOODPLAIN

WETLAND SITE NO. 1

- S.C.S
- TURF ESTABLISHMENT - LAWN ON 6" (MIN.) TOPSOIL
- 12" R.C.PIPE
- 12" R.C.C.E. Q=1.9 CFS V=0.8 FPS
- MODIFIED RIPRAP APRON (TYPE B)

WETLAND SITE NO. 2

- TURF ESTABLISHMENT - LAWN ON 6" (MIN.) TOPSOIL
- S.C.S

WETLAND SITE NO. 4

- 24" R.C.PIPE
- 24" R.C.C.E. Q=21.0 CFS V=10.5 FPS
- INTERMEDIATE RIPRAP (PERFORMED SCOUR HOLE)

WETLAND SITE NO. 3

- S.C.S
- S.C.S
- TURF ESTABLISHMENT - LAWN ON 6" (MIN.) TOPSOIL
- MODIFIED RIP RAP LINED OVERFLOW CHANNEL

MATCH MARK DRAWING NO. PMT-03

Table 1 - Wetland Impact Summary

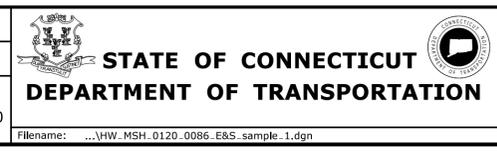
#	Station	Permanent		Temporary	
		Area (SF)	Area (ac)	Area (SF)	Area (ac)
1	417+15 LT 419+25 LT	1,231	0.028	0	0
2	200+22 LT 201+15 LT	278	0.006	110	0.003
3	110+70 RT 112+40 RT	900	0.021	0	0
4	104+50 RT 108+00 RT	2,397	0.055	568	0.013
5	406+70 RT 409+80 RT	1,572	0.036	0	0
6	304+30 LT 306+84 LT	1,805	0.041	0	0
TOTAL		8,183	0.188	678	0.016

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

DESIGNER/DRAFTER:
JNT

CHECKED BY:
BKK

SCALE IN FEET
0 40 80
SCALE 1"=40'



SIGNATURE/BLOCK:
OFFICE OF ENGINEERING

APPROVED BY: DATE:

PROJECT TITLE:
ROUNDBOUT AT SALEM FOUR CORNERS ROUTES 82 & 85

TOWN:
SALEM

DRAWING TITLE:
PERMIT ATTACHMENT G PLAN SHEET

PROJECT NO.
120-86

DRAWING NO.
PMT-02

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: 9/8/2015

Filename: ...VHW_MSH_0120_0086_E&S_sample_1.dgn

LEGEND FOR REGULATED AREAS:
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-  TEMPORARY WETLAND IMPACTS
-  PERMANENT WETLAND IMPACTS
-  MITIGATION SITE
-  WETLAND LIMITS
-  ORDINARY HIGH WATER (OHW) LINE
-  100YR - FEMA 100YR FLOODPLAIN

MATCH MARK DRAWING NO. PMT-02

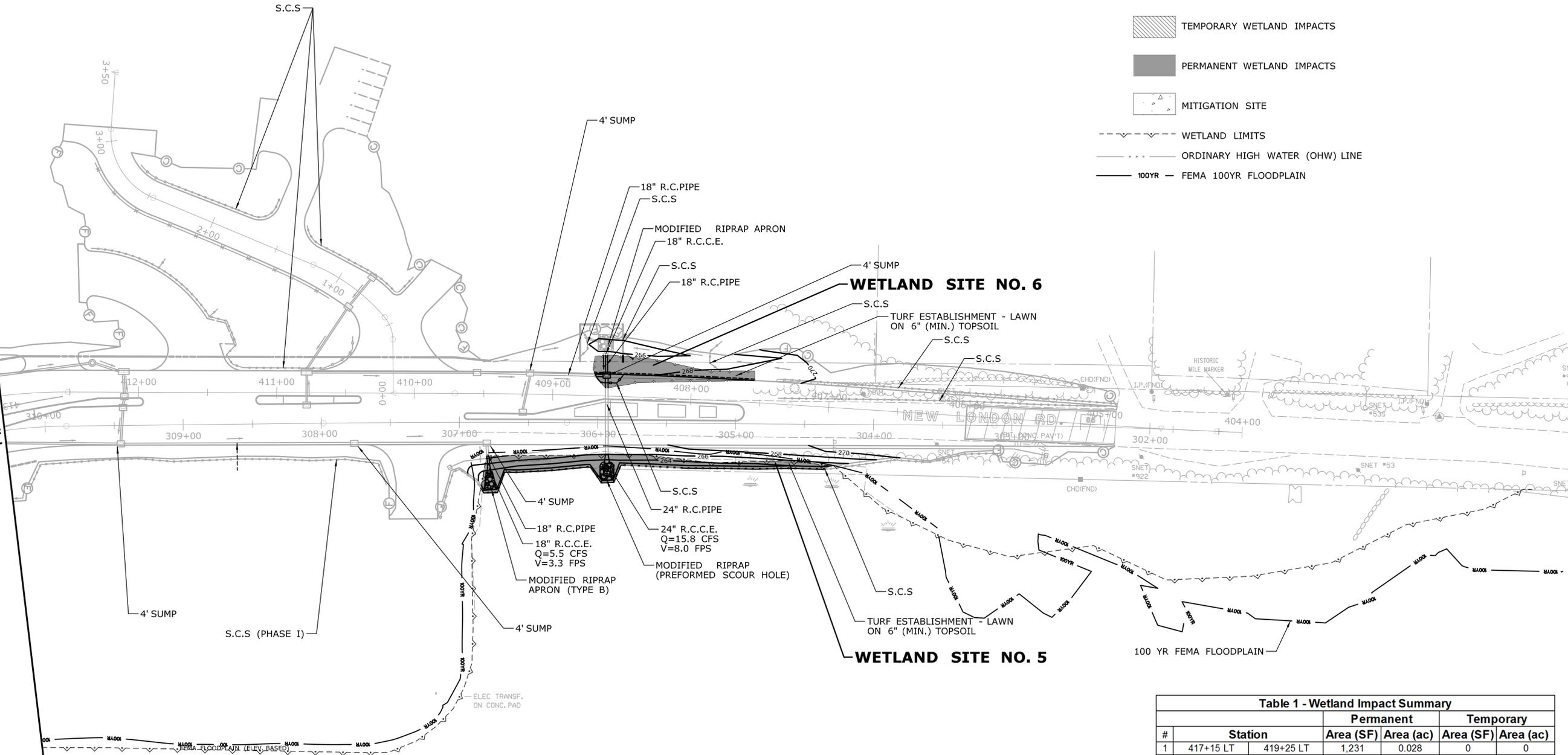


Table 1 - Wetland Impact Summary

#	Station	Permanent		Temporary	
		Area (SF)	Area (ac)	Area (SF)	Area (ac)
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TOTAL		8,183	0.188	678	0.016

	THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.	DESIGNER/DRAFTER: JNT CHECKED BY: BKK SCALE IN FEET  SCALE 1"=40'	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	SIGNATURE/ BLOCK: OFFICE OF ENGINEERING APPROVED BY: DATE:	PROJECT TITLE: ROUNDBOUT AT SALEM FOUR CORNERS ROUTES 82 & 85	TOWN: SALEM	PROJECT NO. 120-86 DRAWING NO. PMT-03 SHEET NO.
REV. DATE REVISION DESCRIPTION SHEET NO.	Plotted Date: 9/8/2015 Filename: ...VHW_MSH_0120_0086_E&S_sample_2.dgn						

WETLAND PLANTINGS

KEY	BOTANICAL NAME	COMMON NAME	SIZE	NWPL WETLAND INDICATOR STATUS	CLUMP SIZE	QUANTITY
Ar.	Acer rubrum	red maple	1 3/4" - 2" CAL. B.B	FAC*	1	15
S.n.	Salix nigra	black willow	18" - 24" HT. B.B.	FACW*	1	15
Ar.m.	Aronia melanocarpa	black chokeberry	18" - 24" HT. B.B.	FAC*	3	42
C.a.	Cornus amomum	silky dogwood	18" - 24" HT. B.B.	FACW*	3	75
Ce.o.	Cephalanthus occidentalis	common buttonbush	1 GAL. CONTAINER	OBL*	3	54
I.v.	Ilex verticillata	common winterberry	2'-3' HT. B.B.	FACW*	3	87
Rho.v.	Rhododendron viscosum	swamp azalea	3'-4' HT. B.B.	OBL*	3	87
Sa.c.	Sambucus canadensis	American elder	18" - 24" HT. CONTAINER	FACW*	3	87
Va.c.	Vaccinium corymbosum	highbush blueberry	18" - 24" HT. CONTAINER	FACW*	3	60
V.d.	Viburnum dentatum	arrowwood	2'-3' HT. B.B.	FAC*	3	36

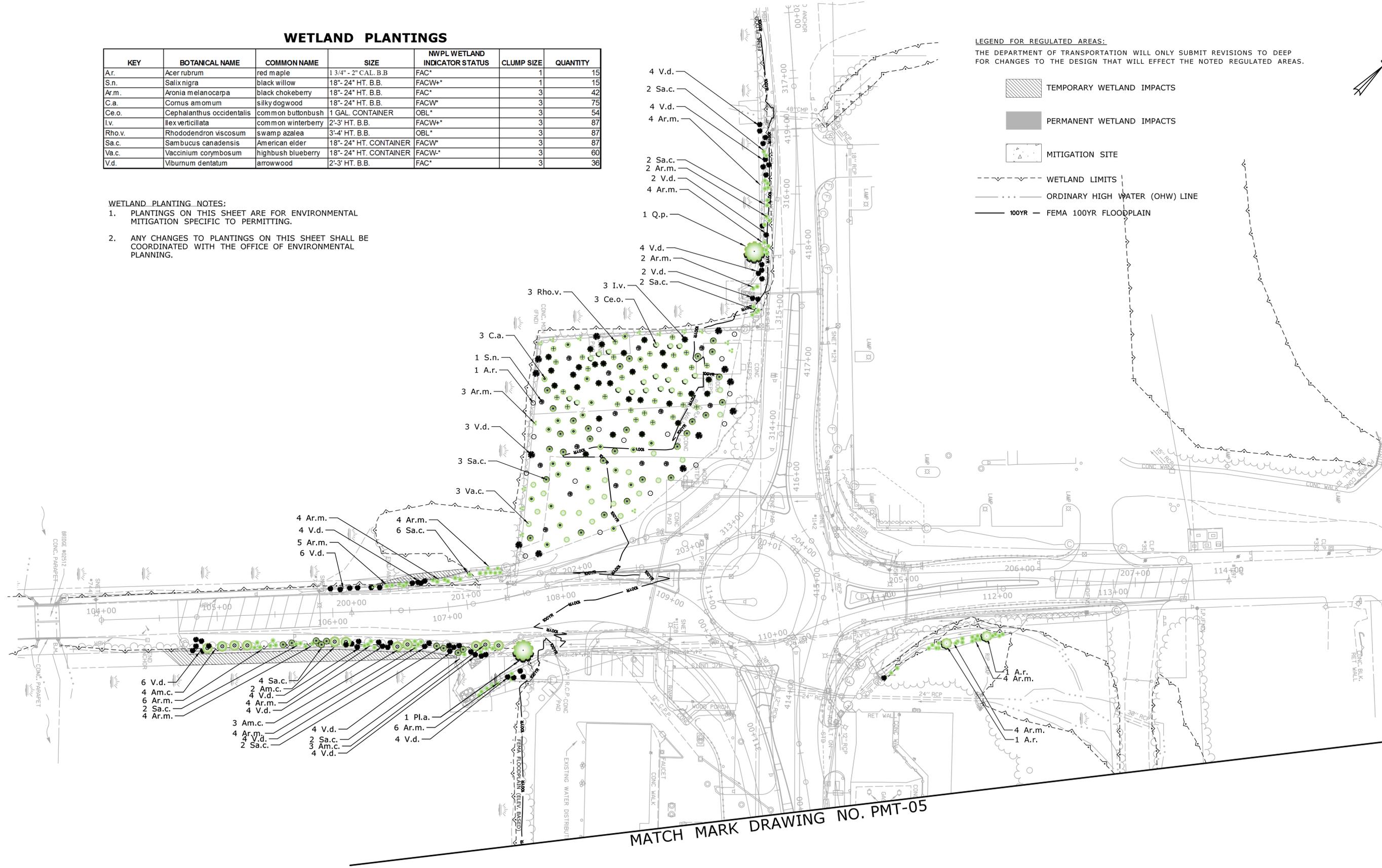
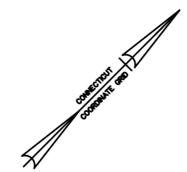
WETLAND PLANTING NOTES:

1. PLANTINGS ON THIS SHEET ARE FOR ENVIRONMENTAL MITIGATION SPECIFIC TO PERMITTING.
2. ANY CHANGES TO PLANTINGS ON THIS SHEET SHALL BE COORDINATED WITH THE OFFICE OF ENVIRONMENTAL PLANNING.

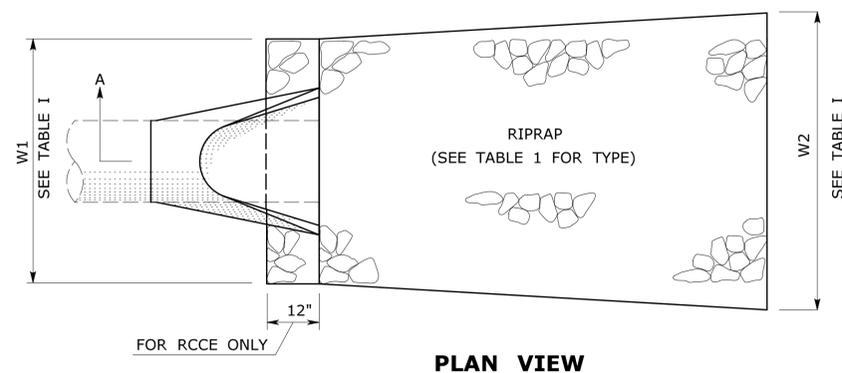
LEGEND FOR REGULATED AREAS:

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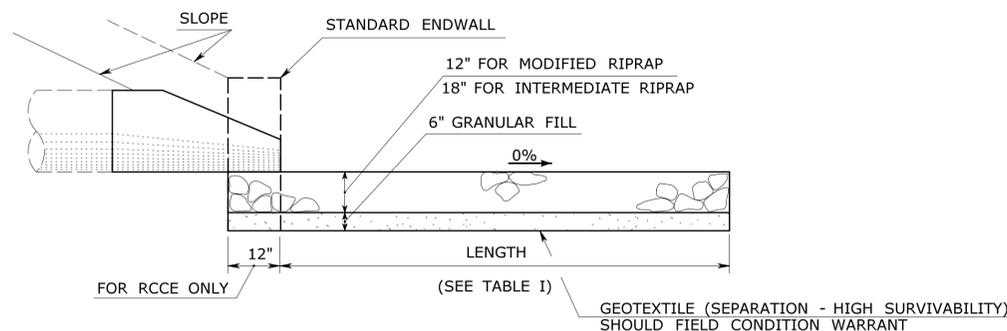
-  TEMPORARY WETLAND IMPACTS
-  PERMANENT WETLAND IMPACTS
-  MITIGATION SITE
-  WETLAND LIMITS
-  ORDINARY HIGH WATER (OHW) LINE
-  100YR - FEMA 100YR FLOODPLAIN



<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">REV.</td> <td style="width: 50%;">DATE</td> </tr> <tr> <td> </td> <td> </td> </tr> </table>	REV.	DATE											<p>REVISION DESCRIPTION</p> <p>SHEET NO.</p> <p>Plotted Date: 9/8/2015</p>	<p>DESIGNER/DRAFTER: AJM</p> <p>CHECKED BY: KCL</p> <p>SCALE IN FEET</p> <p>0 40 80</p> <p>SCALE 1"=40'</p>	 <p>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</p> <p>Filename: ...VHW_MSH_0120_0086_WET_LDS_1_SAMPLE.dgn</p>	<p>SIGNATURE/BLOCK:</p> <p>OFFICE OF ENGINEERING</p> <p>APPROVED BY: _____ DATE: _____</p>	<p>PROJECT TITLE:</p> <p style="text-align: center;">ROUNDAABOUT AT SALEM FOUR CORNERS ROUTES 82 & 85</p>	<p>TOWN:</p> <p style="text-align: center;">SALEM</p>	<p>PROJECT NO. 120-86</p> <p>DRAWING NO. PMT-04</p> <p>SHEET NO.</p>
REV.	DATE																		
<p>DRAWING TITLE: PERMIT ATTACHMENT G WETLAND PLANTING PLAN</p>																			



PLAN VIEW

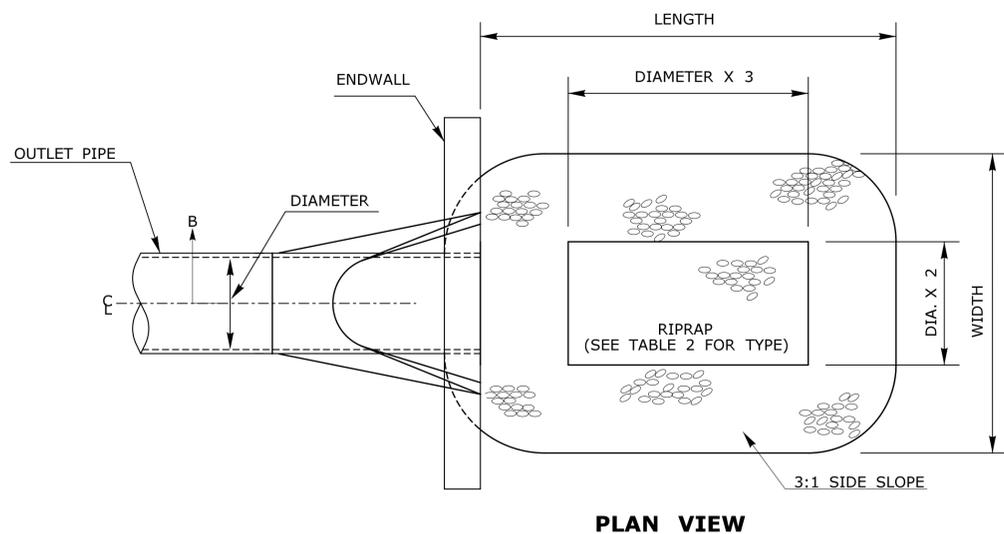


SECTION A-A

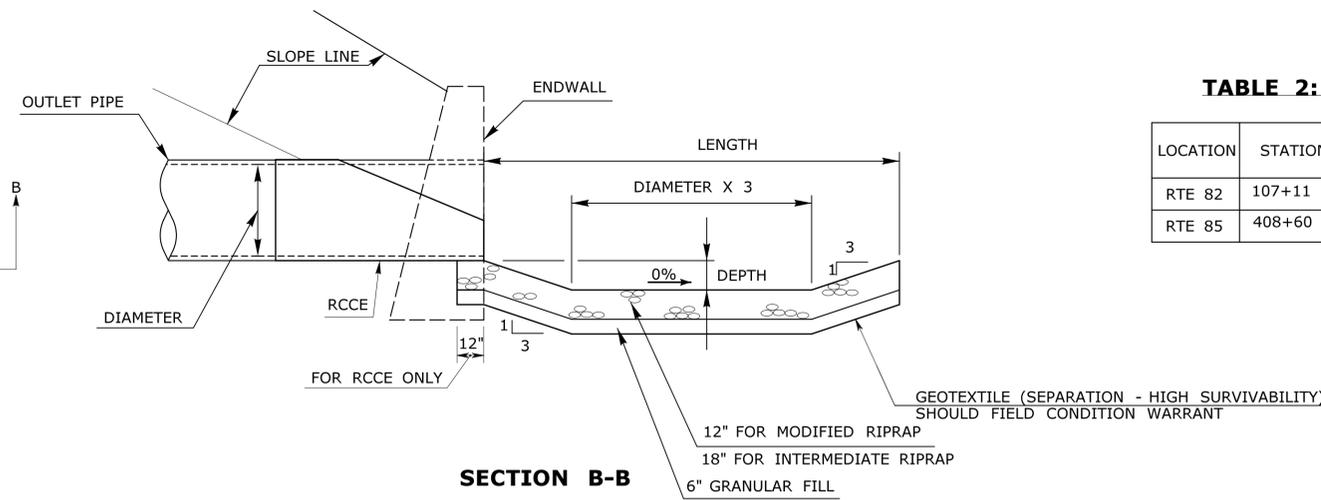
RIPRAP APRON
SEE TABLE 1 FOR LOCATIONS AND DIMENSIONS

TABLE 1: RIPRAP APRONS

LOCATION	STATION	LENGTH	WIDTH		RIP RAP TYPE
			W1	W2	
RTE 82	107+11 RT	10'	3.75'	7.75'	MODIFIED
RTE 85	409+48 LT	12'	4.5'	9.3'	MODIFIED
RTE 85	417+59 LT	10'	3'	7'	MODIFIED



PLAN VIEW



SECTION B-B

PREFORMED SCOUR HOLE
SEE TABLE 2 FOR LOCATIONS AND DIMENSIONS

TABLE 2: PREFORMED SCOUR HOLES

LOCATION	STATION	LENGTH	WIDTH	DEPTH	RIP RAP TYPE
RTE 82	107+11 RT	12'	10'	1'	INTERMEDIATE
RTE 85	408+60 LT	12'	10'	1'	MODIFIED

REV.	DATE	DESCRIPTION	SHEET NO.
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

DESIGNER/DRAFTER: **JNT**
 CHECKED BY: **BKK**
NOT TO SCALE

STATE OF CONNECTICUT
 DEPARTMENT OF TRANSPORTATION

Plotted Date: 9/8/2015
 Filename: ...permit_riprap_details.dgn

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

PROJECT TITLE: **ROUNDAABOUT AT SALEM FOUR CORNERS**

TOWN: **SALEM**
 DRAWING TITLE: **PERMIT ATTACHMENT G RIPRAP DETAILS**

PROJECT NO. **120-86**
 DRAWING NO. **PMT-06**
 SHEET NO. _____