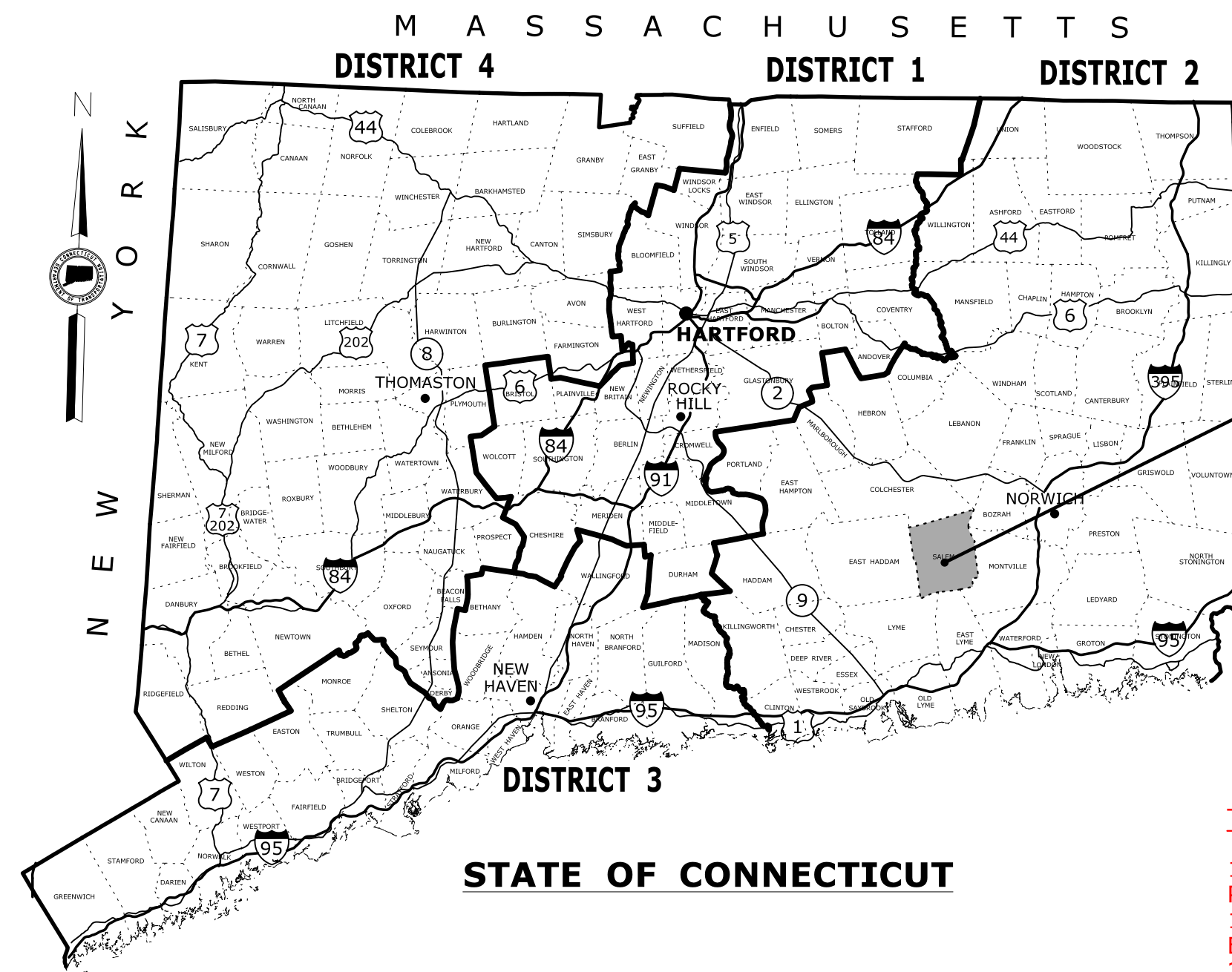


# ENVIRONMENTAL PERMIT PLANS STATE PROJECT 999-999 ROUNDAABOUT AT AN INTERSECTION ROUTE X AND ROUTE Y TOWN OF \_\_\_\_\_



**PROJECT LOCATION**

**GUIDE FOR THE DEVELOPMENT OF THE PERMIT PLAN SET**

**TITLE SHEET:**

1. LOCATION PLAN AT AN APPROPRIATE SCALE THAT SHOWS PROJECT LOCATION AND NEARBY CROSS STREETS (EX. 1"=500', 1"=1000'). FOR LATERAL PROJECTS, DEPICT BEGINNING AND END OF PROJECT (PROJECT LIMITS).
2. STATE OF CONNECTICUT MAP WITH TOWN SHADED AND CALL-OUT PROJECT LOCATION
3. GENERAL INDEX FOR "LIST OF DRAWINGS"
4. GENERAL NOTES 1-5 (ADDITIONAL NOTES MAY BE ADDED AS APPROPRIATE FOR THE PROJECT)
5. SIGNATURE BLOCK FOR CONSULTANT ENGINEER, IF NEEDED.
6. PLAN DATE (LATEST REVISION DATE OF SHEET. DATES DO NOT NEED TO MATCH WITHIN PLAN SET)

**NOTE:** FOR ADDITIONAL ENVIRONMENTAL INFORMATION, SEE ALSO THE DEPARTMENT'S OFFICE OF ENVIRONMENTAL PLANNING'S PERMIT PLAN CHECKLIST FOUND ON THE WATER & NATURAL RESOURCES WEBSITE UNDER "PERMITTING PROCESS"

**ON ALL OTHER PLAN VIEWS:**

1. WETLAND LIMITS BOLD (NOT SCREENED)
2. SHOW CUT/FILL LIMITS AND SEDIMENTATION CONTROL SYSTEM (SCS). (SCS NOT NECESSARY ON PLANTING PLAN)
3. SHOW ORDINARY HIGH WATER (OHW)
4. SHOW FLOOD LIMIT LINES ON PLAN VIEWS
  - A) CALCULATED ELEVATION ON A FEMA MAP GOVERNS. LABEL "FEMA 100-YR FLOOD (CALCULATED)"
  - B) OTHERWISE, SHOW HYDRAULIC ANALYSIS ELEVATION. LABEL "EXISTING 100-YR FLOOD (CALCULATED)"
  - C) IF NO CALCULATIONS WERE PERFORMED, SHOW MAPPED FEMA LINES. LABEL "MAPPED FEMA 100-YR FLOOD LIMIT"
5. FLOW ARROWS (EXISTING AND PROPOSED)

**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 USACE 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.

**SAMPLE PROJECT USED FOR PLANS**

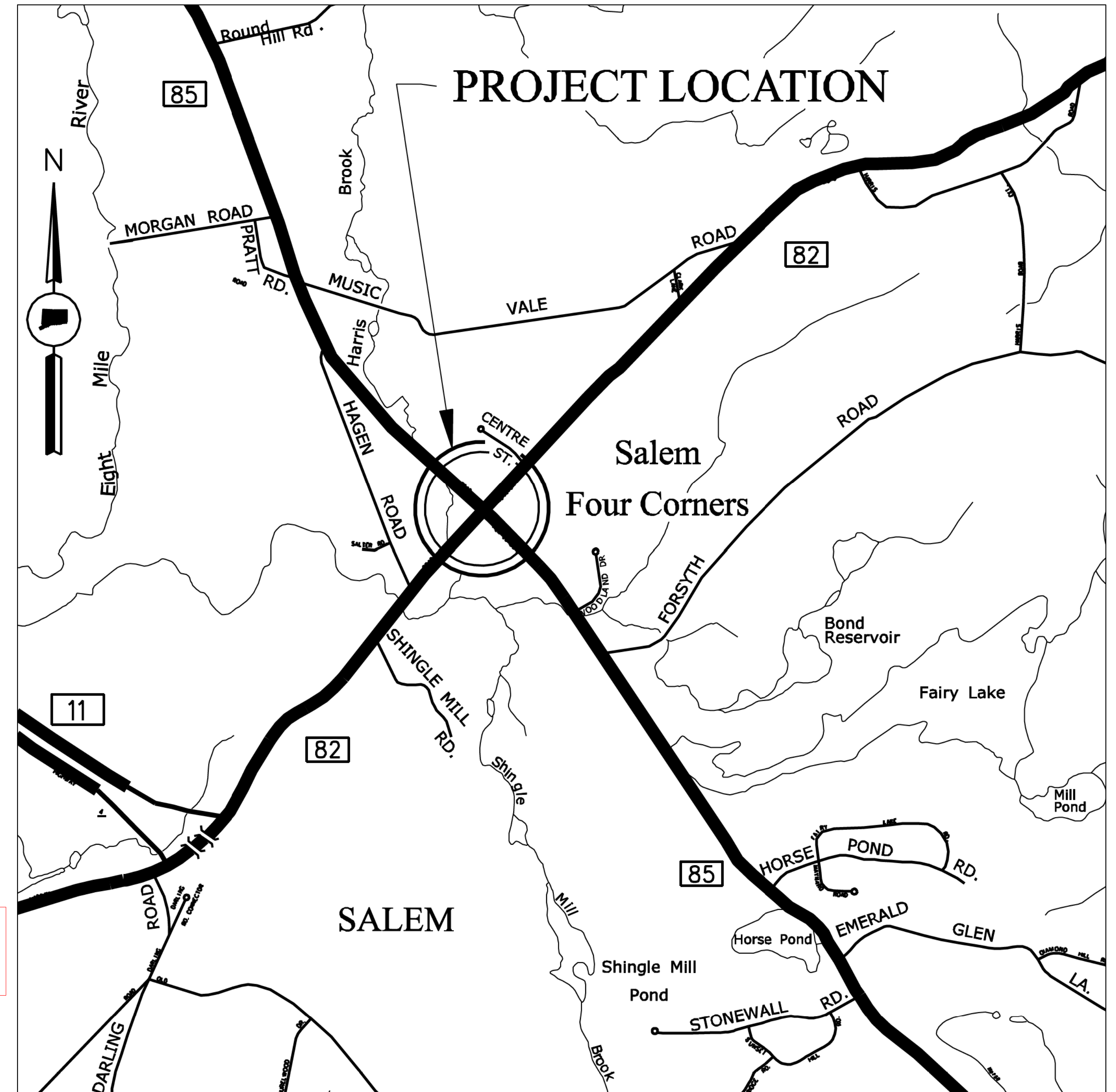
*The following sample is an intersection improvement project. This specific project involves replacing a signalized intersection with a modern roundabout. The project includes roadway widening, storm drainage improvements, and contains wetland and floodplain impacts. The project also includes a proposed mitigation area. For this specific project, no water handling or staging plans were required.*

*The following permits are anticipated for this project:  
DEEP Inland Water Resources Division Flood Management Certification (IWRD FMC)  
General Permit for Water Resource Construction Activities (IWRD GP)  
DEEP GP for Stormwater & Dewatering Wastewaters from Construction Activities (must be ezfile)  
US Army Corps of Engineers Category 2 (USACE Cat 2)  
Water Company Land Permit - Change in Use*

*The sample project falls within a mapped FEMA area with a calculated elevation provided on the FEMA map. This elevation is used in determining the floodplain impact area. An 8 1/2" x 11" FEMA map is provided within the permit application.*

*Environmental impact areas include ALL areas to be impacted due to the project construction and activities related to the project, both temporary and permanent. Engineering judgement should be used to determine the amount of area the contractor needs to perform the work, while trying to minimize the disturbance to the wetland resources. The designer should also evaluate utility work needed as part of the project and include any impacts due to project related utility work.*

*NOTE: This sample project has been altered from the actual project to produce this sample set of plans.*



## LOCATION MAP SCALE 1" = 1000'

LIST OF DRAWINGS	
DRAWING NO.	DRAWING TITLE
PMT-01	TITLE SHEET
PMT-02-03	GENERAL SITE PLAN
PMT-04-05	WETLAND IMPACT PLAN
PMT-06-07	100-YR FLOOD IMPACT PLAN
PMT-08-09	PERMIT PLANTING PLAN
PMT-10	DETAIL SHEET

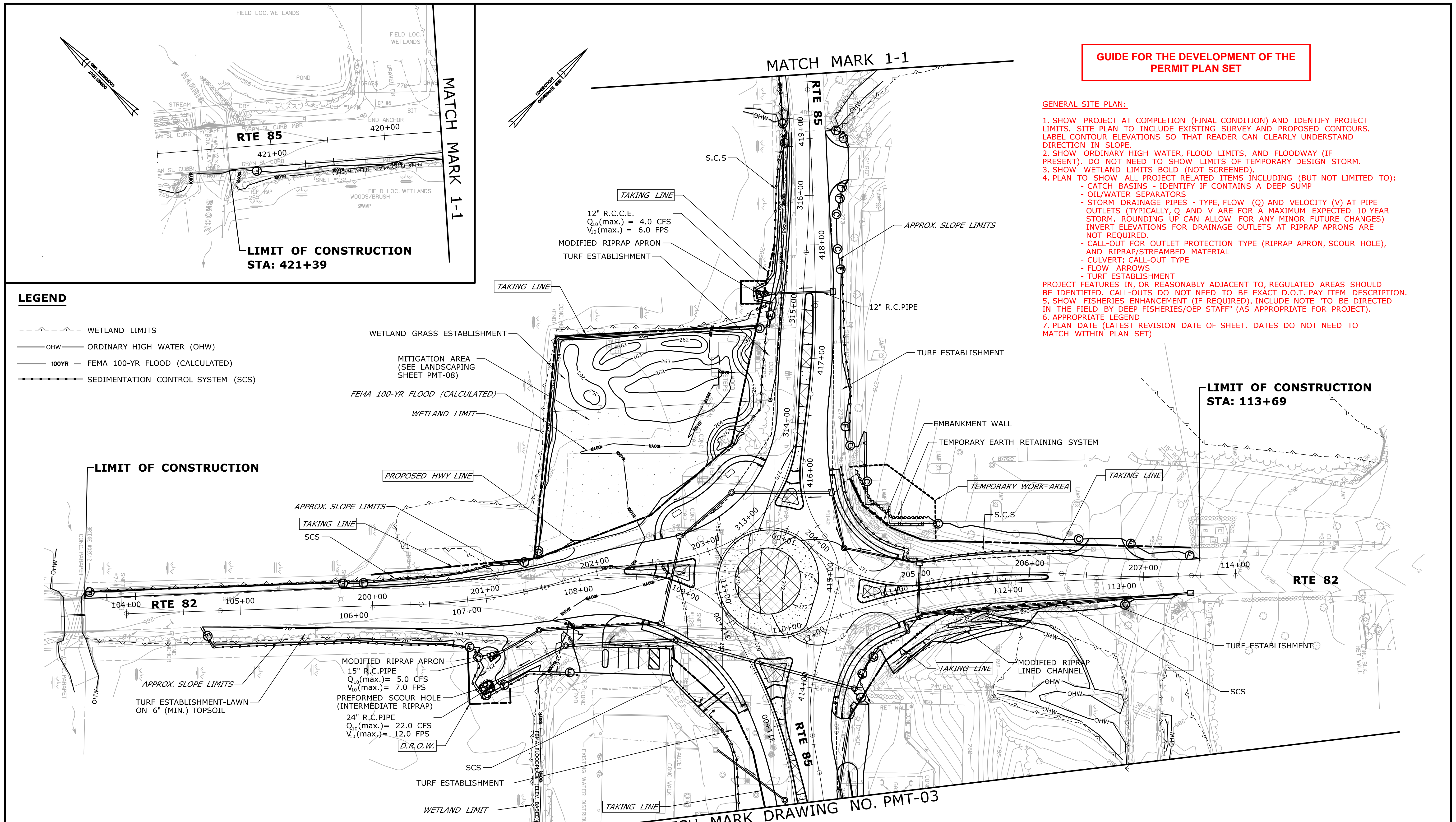
**PLAN DATE: DECEMBER 7, 2015**

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.	DESIGNER/DRAFTER: CHECKED BY:  SCALE AS NOTED	 <b>STATE OF CONNECTICUT</b> <b>DEPARTMENT OF TRANSPORTATION</b>	SIGNATURE/BLOCK:  <b>OFFICE OF ENGINEERING</b> APPROVED BY:	PROJECT TITLE:  <b>ROUNDAABOUT AT AN INTERSECTION ROUTE X AND ROUTE Y</b>	TOWN:  <b>TOWN</b> DRAWING TITLE:  <b>TITLE SHEET</b>	PROJECT NO. <b>999-999</b> DRAWING NO. <b>PMT-01</b> SHEET NO.	Plotted Date: 6/7/2016 Filename: ...VHW_MSH_0120_0086_E&S_sample_Title.dgn
REV.	DATE	REVISION DESCRIPTION	SHEET NO.				

**GUIDE FOR THE DEVELOPMENT OF THE PERMIT PLAN SET**

**GENERAL SITE PLAN:**

1. SHOW PROJECT AT COMPLETION (FINAL CONDITION) AND IDENTIFY PROJECT LIMITS. SITE PLAN TO INCLUDE EXISTING SURVEY AND PROPOSED CONTOURS. LABEL CONTOUR ELEVATIONS SO THAT READER CAN CLEARLY UNDERSTAND DIRECTION IN SLOPE.
  2. SHOW ORDINARY HIGH WATER, FLOOD LIMITS, AND FLOODWAY (IF PRESENT). DO NOT NEED TO SHOW LIMITS OF TEMPORARY DESIGN STORM.
  3. SHOW WETLAND LIMITS BOLD (NOT SCREENED).
  4. PLAN TO SHOW ALL PROJECT RELATED ITEMS INCLUDING (BUT NOT LIMITED TO):
    - CATCH BASINS - IDENTIFY IF CONTAINS A DEEP SUMP
    - OIL/WATER SEPARATORS
    - STORM DRAINAGE PIPES - TYPE, FLOW (Q) AND VELOCITY (V) AT PIPE OUTLETS (TYPICALLY, Q AND V ARE FOR A MAXIMUM EXPECTED 10-YEAR STORM. ROUNDING UP CAN ALLOW FOR ANY MINOR FUTURE CHANGES) INVERT ELEVATIONS FOR DRAINAGE OUTLETS AT RIPRAP APRONS ARE NOT REQUIRED.
    - CALL-OUT FOR OUTLET PROTECTION TYPE (RIPRAP APRON, SCOUR HOLE), AND RIPRAP/STREAMBED MATERIAL
    - CULVERT: CALL-OUT TYPE
    - FLOW ARROWS
    - TURF ESTABLISHMENT
- PROJECT FEATURES IN, OR REASONABLY ADJACENT TO, REGULATED AREAS SHOULD BE IDENTIFIED. CALL-OUTS DO NOT NEED TO BE EXACT D.O.T. PAY ITEM DESCRIPTION.
5. SHOW FISHERIES ENHANCEMENT (IF REQUIRED). INCLUDE NOTE "TO BE DIRECTED IN THE FIELD BY DEEP FISHERIES/OEP STAFF" (AS APPROPRIATE FOR PROJECT).
  6. APPROPRIATE LEGEND
  7. PLAN DATE (LATEST REVISION DATE OF SHEET. DATES DO NOT NEED TO MATCH WITHIN PLAN SET)



**LEGEND**

- WETLAND LIMITS
- OHW — ORDINARY HIGH WATER (OHW)
- 100YR — FEMA 100-YR FLOOD (CALCULATED)
- SCS — SEDIMENTATION CONTROL SYSTEM (SCS)

**LIMIT OF CONSTRUCTION**

- APPROX. SLOPE LIMITS
- TAKING LINE
- SCS
- TURF ESTABLISHMENT-LAWN ON 6" (MIN.) TOPSOIL
- MODIFIED RIPRAP APRON
- 15" R.C. PIPE  
Q<sub>10</sub>(max.) = 5.0 CFS  
V<sub>10</sub>(max.) = 7.0 FPS
- PREFORMED SCOUR HOLE (INTERMEDIATE RIPRAP)
- 24" R.C. PIPE  
Q<sub>10</sub>(max.) = 22.0 CFS  
V<sub>10</sub>(max.) = 12.0 FPS
- D.R.O.W.
- SCS
- TURF ESTABLISHMENT
- WETLAND LIMIT
- FEMA 100-YEAR FLOOD (CALCULATED)

MATCH MARK DRAWING NO. PMT-03

**ENVIRONMENTAL PERMIT PLANS**

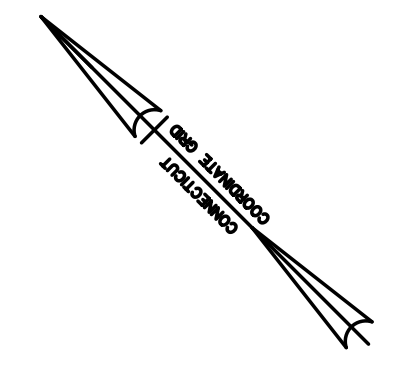
PLAN DATE: DECEMBER 7, 2015

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.		DESIGNER/DRAFTER: CHECKED BY:	<p><b>STATE OF CONNECTICUT</b> DEPARTMENT OF TRANSPORTATION</p>	SIGNATURE/BLOCK: <b>OFFICE OF ENGINEERING</b>	PROJECT TITLE: <b>ROUNDBOUT AT AN INTERSECTION ROUTE X AND ROUTE Y</b>	TOWN: <b>TOWN</b>	PROJECT NO. <b>999-999</b>
SCALE IN FEET SCALE 1"=40'	APPROVED BY:	FILENAME: ...VHW_MSH_0120_0086_General Plan_1.dgn		DRAWING TITLE: <b>GENERAL SITE PLAN</b>	DRAWING NO. <b>PMT-02</b>	SHEET NO.	

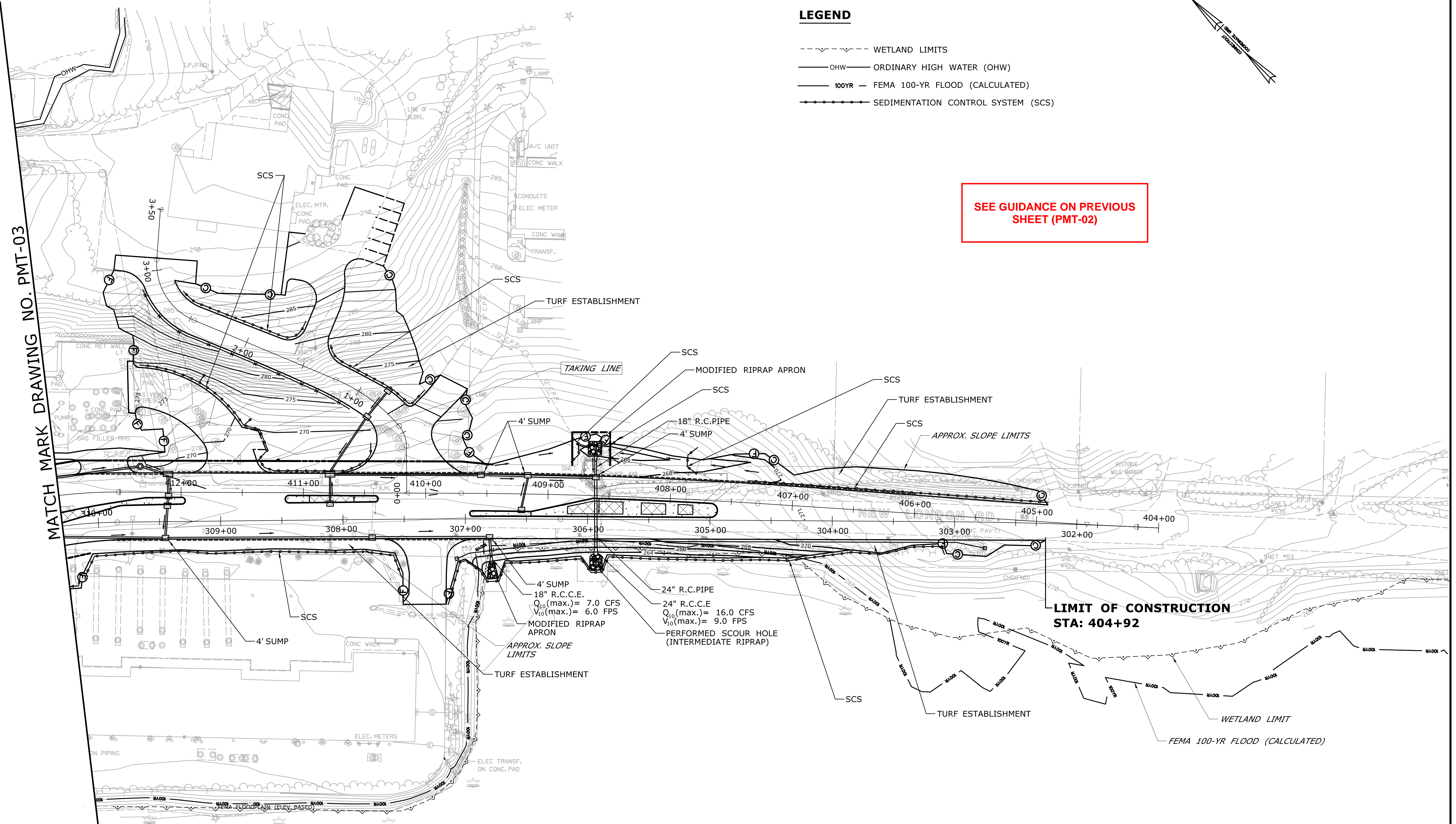
MATCH MARK DRAWING NO. PMT-03

**LEGEND**

- WETLAND LIMITS
- OHW — ORDINARY HIGH WATER (OHW)
- 100YR — FEMA 100-YR FLOOD (CALCULATED)
- SCS — SEDIMENTATION CONTROL SYSTEM (SCS)



SEE GUIDANCE ON PREVIOUS SHEET (PMT-02)



**ENVIRONMENTAL PERMIT PLANS**  
 PLAN DATE: DECEMBER 7, 2015

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 6/7/2016	DESIGNER/DRAFTER:	CHECKED BY:	SCALE IN FEET 0 40 80 SCALE 1"=40'
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				PROJECT TITLE:	<b>ROUNDABOUT AT                  AN INTERSECTION                  ROUTE X AND ROUTE Y</b>		TOWN:
				DRAWING TITLE:	<b>TOWN</b> <b>GENERAL SITE PLAN</b>		PROJECT NO. <b>999-999</b>
				SHEET NO.	<b>PMT-03</b>		SHEET NO.

#	Permanent		Temporary	
	Area (SF)	Area (ac)	Area (SF)	Area (ac)
1	1,231	0.028	0	0
2	278	0.006	110	0.003
3	900	0.021	0	0
4	2,397	0.055	568	0.013
5	1,572	0.036	0	0
6	1,805	0.041	0	0
<b>TOTAL</b>	<b>8,183</b>	<b>0.188</b>	<b>678</b>	<b>0.016</b>

**GUIDE FOR THE DEVELOPMENT OF THE PERMIT PLAN SET**

**WETLAND/WATERCOURSE IMPACT PLAN:**

1. PLAN TO CLEARLY DEPICT TEMPORARY AND PERMANENT IMPACTS TO WETLAND AREAS (AREA ABOVE OHW) AND WATERCOURSES (BELOW OHW). TO MAINTAIN CLARITY, DO NOT SHOW EXISTING OR PROPOSED CONTOURS. AVOID SHOWING PATTERNS FOR ITEMS WHICH INTERFERE WITH CLEARLY UNDERSTANDING IMPACTS (i.e. RIPRAP). CONSTRUCTION ITEM CALL-OUTS NOT REQUIRED.
2. INCLUDE FLOOD LIMITS
3. INCLUDE WETLAND AND WATERCOURSE IMPACT TABLE (VALUES CAN BE ROUNDED UP)
4. NOTE TO CONTRACTOR FOR RESTRICTION OF WORK IN REGULATED AREA(S).
5. WETLAND LIMITS IN BOLD (NOT SCREENED)
6. CALL-OUT LIMITS OF IMPACT. LIMITS IF IMPACT SHOULD BE CLEARLY SHOWN AND MAY OR MAY NOT COINCIDE WITH THE R.O.W. LINE OR EASEMENT LINE.
7. LIMITS OF IMPACT SHOULD BE DEFINED BASED ON ENOUGH SPACE FOR THE CONTRACTOR TO PERFORM THE WORK. THE DESIGNER SHOULD CAREFULLY CONSIDER HOW THE PROJECT MAY BE CONSTRUCTED AND PROVIDE ENOUGH AREA TO ALLOW THE CONTRACTOR THE ABILITY FOR MINOR VARIATION IN CONSTRUCTION METHODS. UTILITY IMPACTS AS PART OF THE PROJECT SHOULD ALSO BE EVALUATED.
8. CALL-OUT SCS
9. APPROPRIATE LEGEND AND INCLUDE NOTE REGARDING D.O.T. SUBMITTALS FOR REVISIONS
10. PLAN DATE (LATEST REVISION DATE OF SHEET. DATES DO NOT NEED TO MATCH WITHIN PLAN SET)

**LEGEND**

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

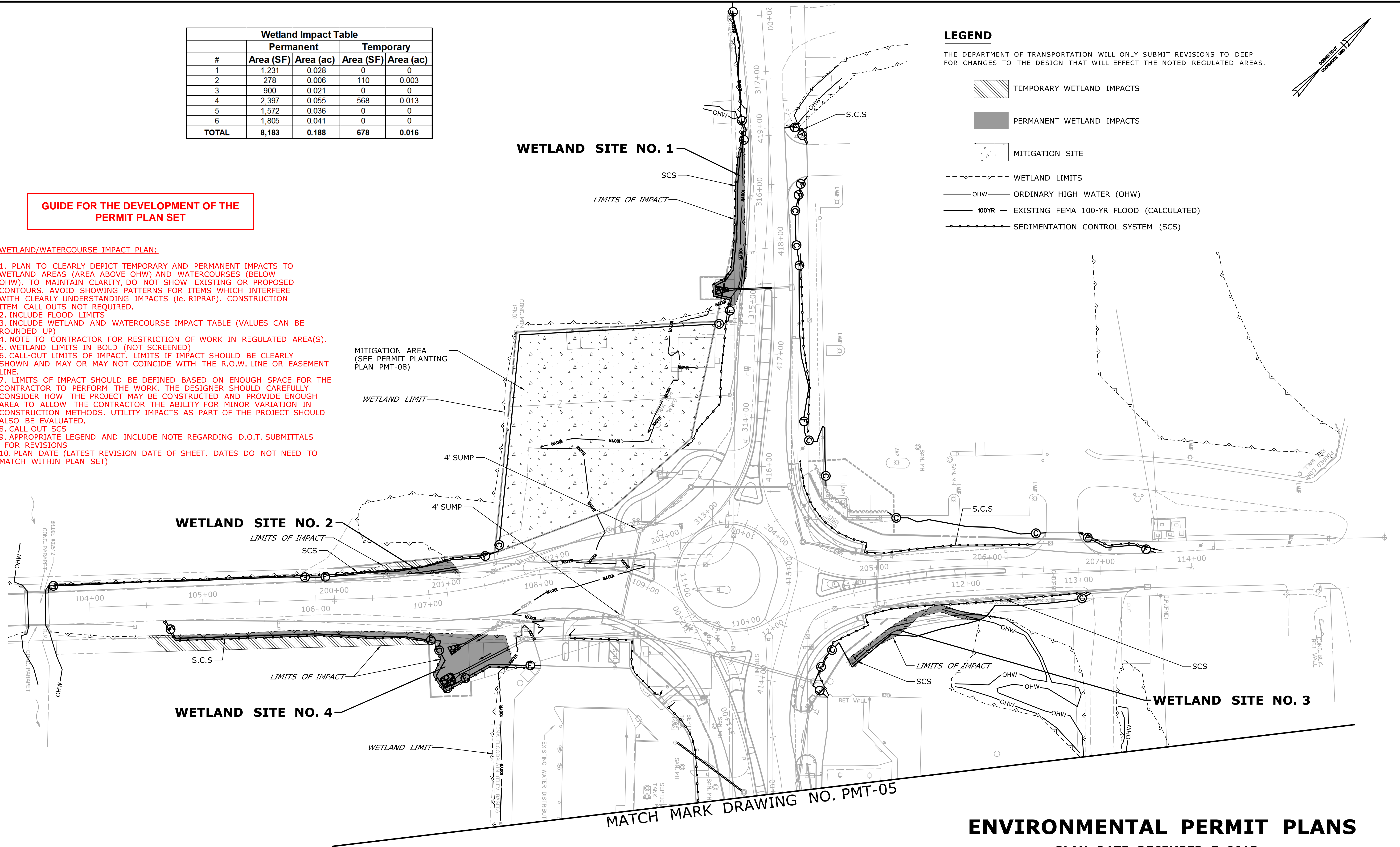
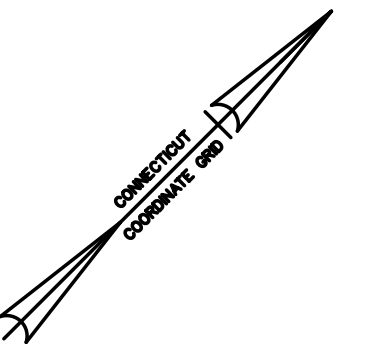
MITIGATION SITE

WETLAND LIMITS

OHW — ORDINARY HIGH WATER (OHW)

100YR — EXISTING FEMA 100-YR FLOOD (CALCULATED)

SEDIMENTATION CONTROL SYSTEM (SCS)



MATCH MARK DRAWING NO. PMT-05

**ENVIRONMENTAL PERMIT PLANS**

PLAN DATE: DECEMBER 7, 2015

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 6/7/2016	DESIGNER/DRAFTER:	<p><b>STATE OF CONNECTICUT</b> DEPARTMENT OF TRANSPORTATION</p>	SIGNATURE/ BLOCK:	<p><b>OFFICE OF ENGINEERING</b></p>	PROJECT TITLE:	<p><b>ROUNDBOUT AT AN INTERSECTION ROUTE X AND ROUTE Y</b></p>	TOWN:	PROJECT NO.
					CHECKED BY:		APPROVED BY:				TOWN:	999-999
					SCALE IN FEET					DRAWING TITLE:		DRAWING NO.
					0 40 80					WETLAND IMPACT PLAN		PMT-04
					SCALE 1"=40'	Filename: ...VHW_MSH_0120_0086_E&S_sample_1.dgn						SHEET NO.

Wetland Impact Table				
#	Permanent		Temporary	
	Area (SF)	Area (ac)	Area (SF)	Area (ac)
1	1,231	0.028	0	0
2	278	0.006	110	0.003
3	900	0.021	0	0
4	2,397	0.055	568	0.013
5	1,572	0.036	0	0
6	1,805	0.041	0	0
<b>TOTAL</b>	<b>8,183</b>	<b>0.188</b>	<b>678</b>	<b>0.016</b>

**LEGEND**

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

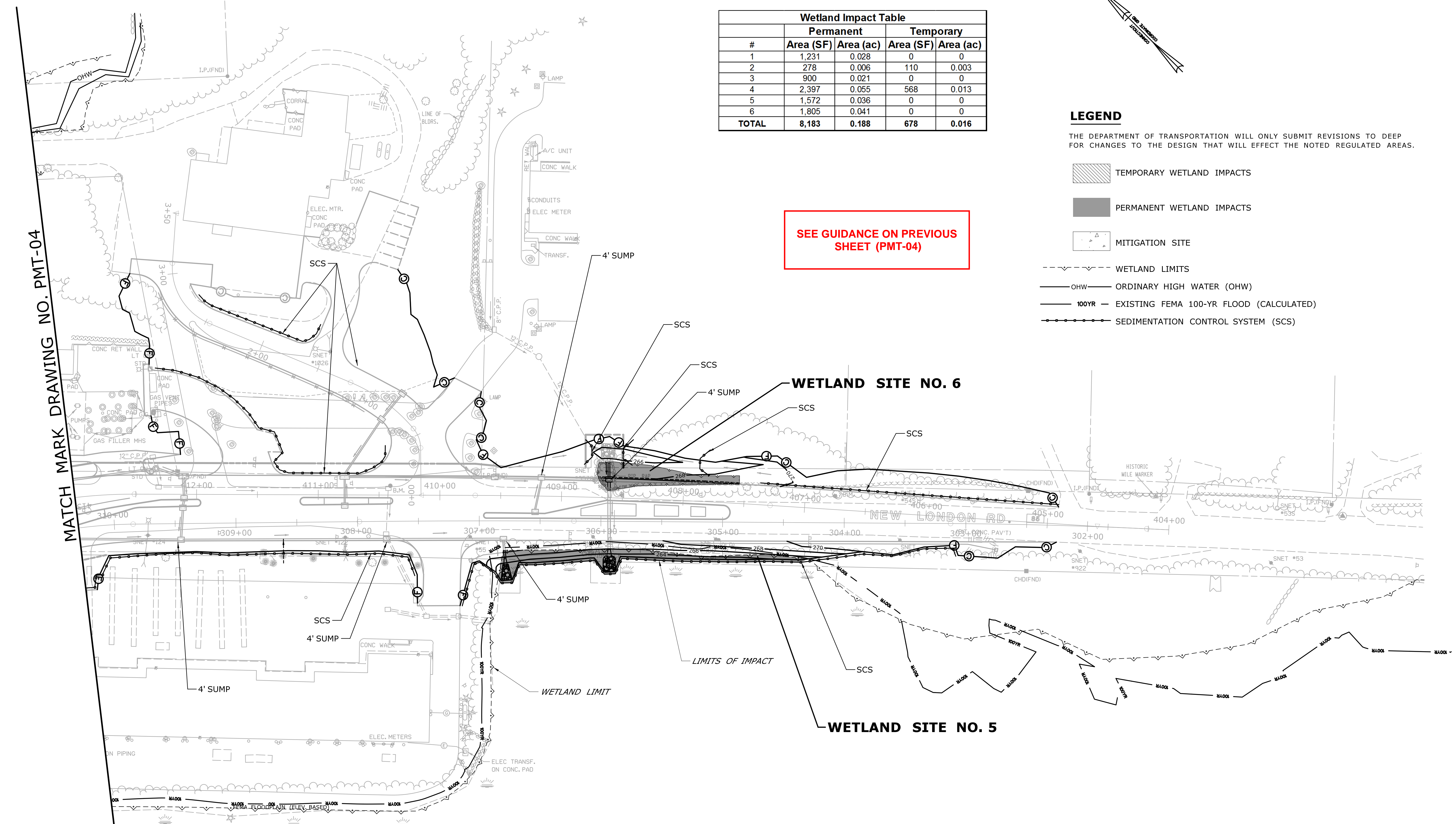
WETLAND LIMITS

OHW — ORDINARY HIGH WATER (OHW)

100YR — EXISTING FEMA 100-YR FLOOD (CALCULATED)

SEDIMENTATION CONTROL SYSTEM (SCS)

SEE GUIDANCE ON PREVIOUS SHEET (PMT-04)



MATCH MARK DRAWING NO. PMT-04

**ENVIRONMENTAL PERMIT PLANS**

PLAN DATE: **DECEMBER 7, 2015**

		THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.	DESIGNER/DRAFTER: CHECKED BY: SCALE IN FEET  SCALE 1"=40'	<b>STATE OF CONNECTICUT</b> <b>DEPARTMENT OF TRANSPORTATION</b>	SIGNATURE/BLOCK: <b>OFFICE OF ENGINEERING</b> APPROVED BY:	PROJECT TITLE: <b>ROUNDABOUT AT AN INTERSECTION</b> <b>ROUTE X AND ROUTE Y</b>	TOWN: <b>TOWN</b>	PROJECT NO. <b>999-999</b> DRAWING NO. <b>PMT-05</b> SHEET NO.	
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 6/7/2016	Filename: ...VHW_MSH_0120_0086_E&S_sample_2.dgn			DRAWING TITLE: <b>WETLAND IMPACT PLAN</b>	

100-YEAR FLOOD IMPACTS				
#	TEMP. AREA (SF)	PERM. AREA (SF)	EXCAV. (CY)	FILL (CY)
1	316	857	0	16
2	0	18516	1200	0
3	877	2313	0	43
4	2774	7168	26	239
5	507	3074	0	151
<b>TOTAL</b>	<b>4474</b>	<b>31928</b>	<b>1226</b>	<b>449</b>

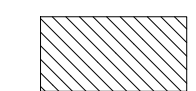


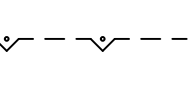
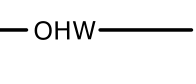
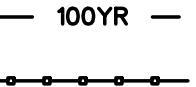

**GUIDE FOR THE DEVELOPMENT OF THE PERMIT PLAN SET**

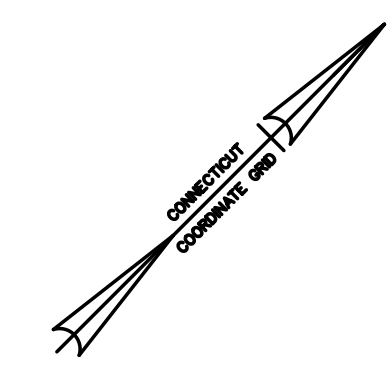
**FLOOD IMPACT PLAN:**

1. THIS SHEET IS NOT NECESSARY IF THERE ARE NO IMPACTS TO A FLOODPLAIN AND/OR FLOODWAY. THE FLOOD IMPACT PLAN CAN USE THE SAME BASE MAP FROM THE WETLAND IMPACT PLAN BUT WOULD SHOW FLOOD IMPACT AREAS.
2. PLAN TO CLEARLY DEPICT TEMPORARY AND PERMANENT IMPACTS TO FLOODPLAIN AREAS. TO MAINTAIN CLARITY, DO NOT SHOW EXISTING OR PROPOSED CONTOURS. AVOID SHOWING PATTERNS FOR ITEMS WHICH INTERFERE WITH CLEARLY UNDERSTANDING IMPACTS (ie. RIPRAP). CONSTRUCTION CALL-OUTS NOT REQUIRED.
3. INCLUDE FLOOD LIMITS
4. INCLUDE FLOODPLAIN IMPACT TABLE. VOLUME IMPACTS IN CUBIC YARDS. (VALUES CAN BE ROUNDED UP)
5. WETLAND LIMITS IN BOLD (NOT SCREENED)
6. CALL-OUT LIMITS OF IMPACT. THE LIMITS OF IMPACT SHOULD BE CLEARLY SHOWN AND MAY OR MAY NOT COINCIDE WITH THE R.O.W. LINE OR EASEMENT LINE.
7. LIMITS OF IMPACT SHOULD BE DEFINED BASED ON ENOUGH SPACE FOR THE CONTRACTOR TO PERFORM THE WORK. THE DESIGNER SHOULD CAREFULLY CONSIDER HOW THE PROJECT MAY BE CONSTRUCTED AND PROVIDE ENOUGH AREA TO ALLOW THE CONTRACTOR THE ABILITY FOR MINOR VARIATION IN CONSTRUCTION METHODS. UTILITY IMPACTS AS PART OF THE PROJECT SHOULD ALSO BE EVALUATED.
8. CALL-OUT SCS
9. APPROPRIATE LEGEND AND INCLUDE NOTE REGARDING D.O.T. SUBMITTALS FOR REVISIONS
10. PLAN DATE (LATEST REVISION DATE OF SHEET. DATES DO NOT NEED TO MATCH WITHIN PLAN SET)

**LEGEND**

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

-  TEMPORARY FLOODPLAIN IMPACTS
-  PERMANENT FLOODPLAIN IMPACTS
-  MITIGATION SITE
-  WETLAND LIMITS
-  OHW — ORDINARY HIGH WATER (OHW)
-  100YR — FEMA 100-YR FLOOD (CALCULATED)
-  SEDIMENTATION CONTROL SYSTEM (SCS)

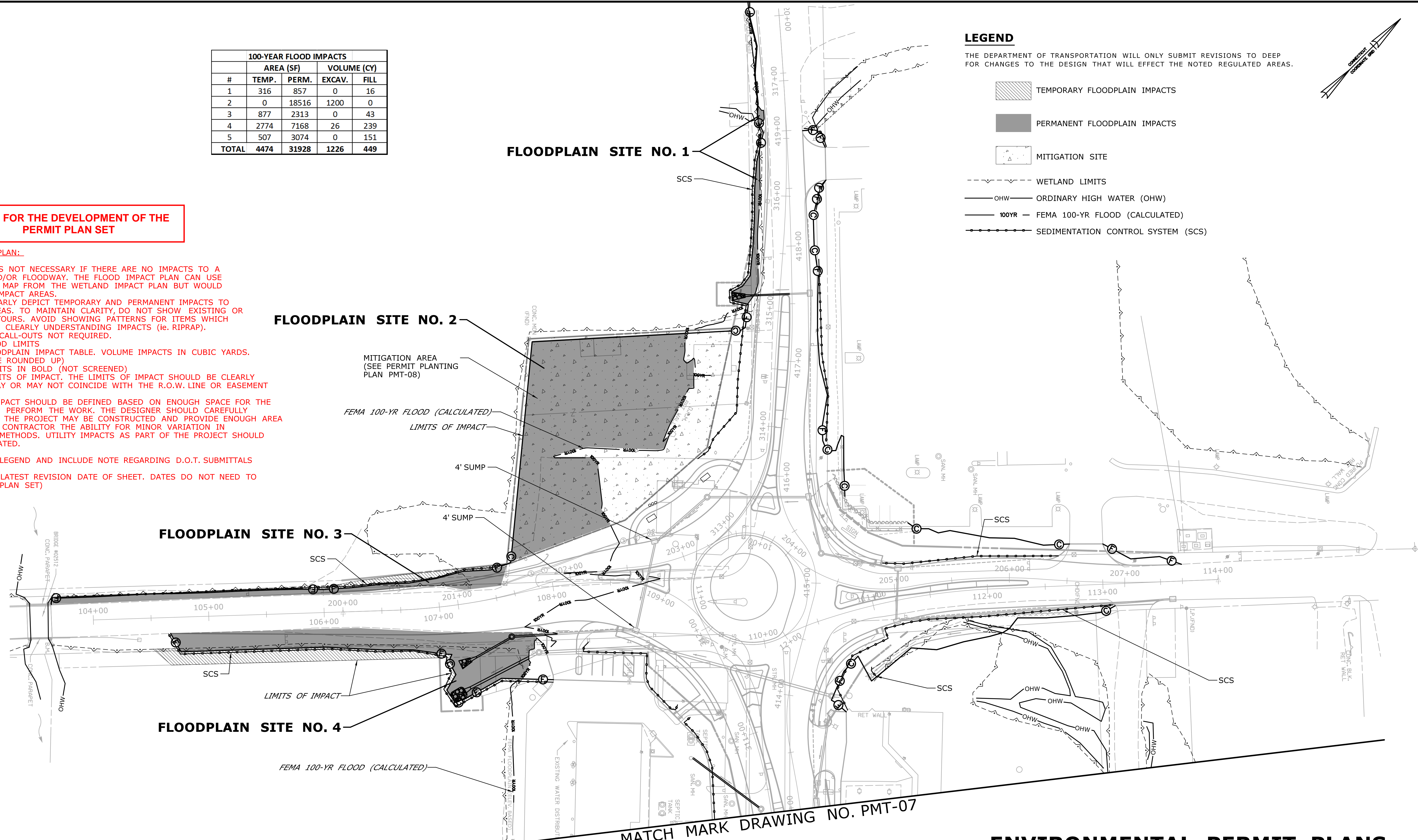


**FLOODPLAIN SITE NO. 1**

**FLOODPLAIN SITE NO. 2**

**FLOODPLAIN SITE NO. 3**

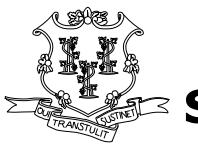
**FLOODPLAIN SITE NO. 4**

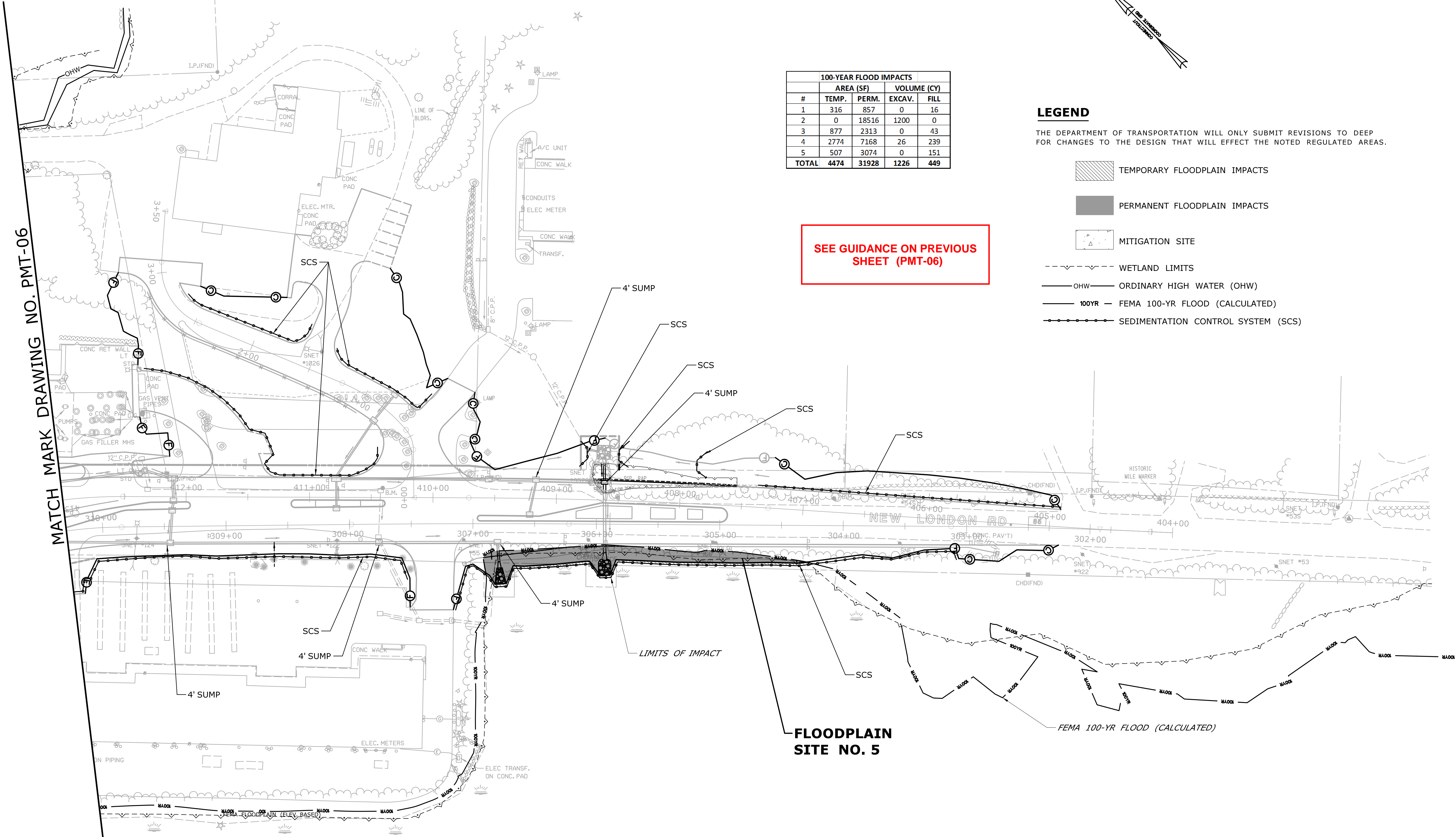


MATCH MARK DRAWING NO. PMT-07

**ENVIRONMENTAL PERMIT PLANS**

PLAN DATE: DECEMBER 7, 2015

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REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 6/7/2016	Filename: ...VHW_MSH_0120_0086_E&S_sample_3.dgn	DRAWING TITLE: <b>100-YR FLOOD IMPACT PLAN</b>	



100-YEAR FLOOD IMPACTS				
#	TEMP.	PERM.	EXCAV.	FILL
1	316	857	0	16
2	0	18516	1200	0
3	877	2313	0	43
4	2774	7168	26	239
5	507	3074	0	151
<b>TOTAL</b>	<b>4474</b>	<b>31928</b>	<b>1226</b>	<b>449</b>

SEE GUIDANCE ON PREVIOUS SHEET (PMT-06)

**LEGEND**

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

- TEMPORARY FLOODPLAIN IMPACTS
- PERMANENT FLOODPLAIN IMPACTS
- MITIGATION SITE
- WETLAND LIMITS
- OHW — ORDINARY HIGH WATER (OHW)
- 100YR — FEMA 100-YR FLOOD (CALCULATED)
- SEDIMENTATION CONTROL SYSTEM (SCS)

MATCH MARK DRAWING NO. PMT-06

**ENVIRONMENTAL PERMIT PLANS**

PLAN DATE: DECEMBER 7, 2015

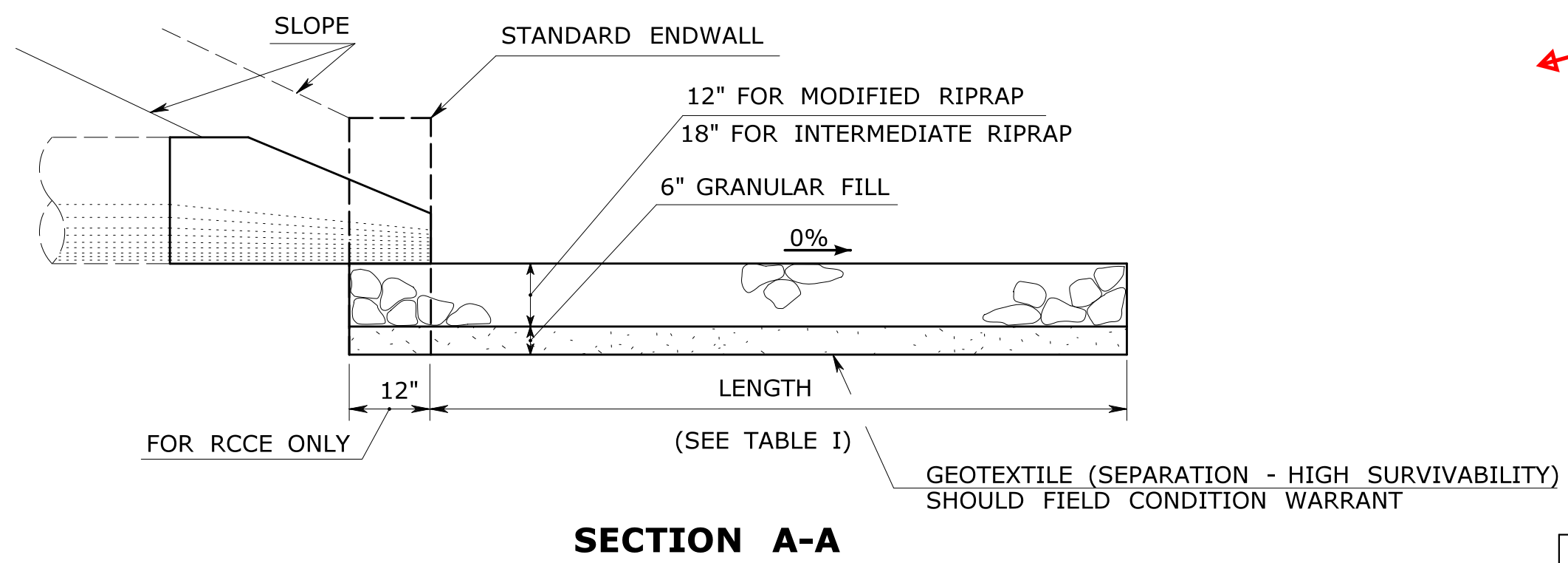
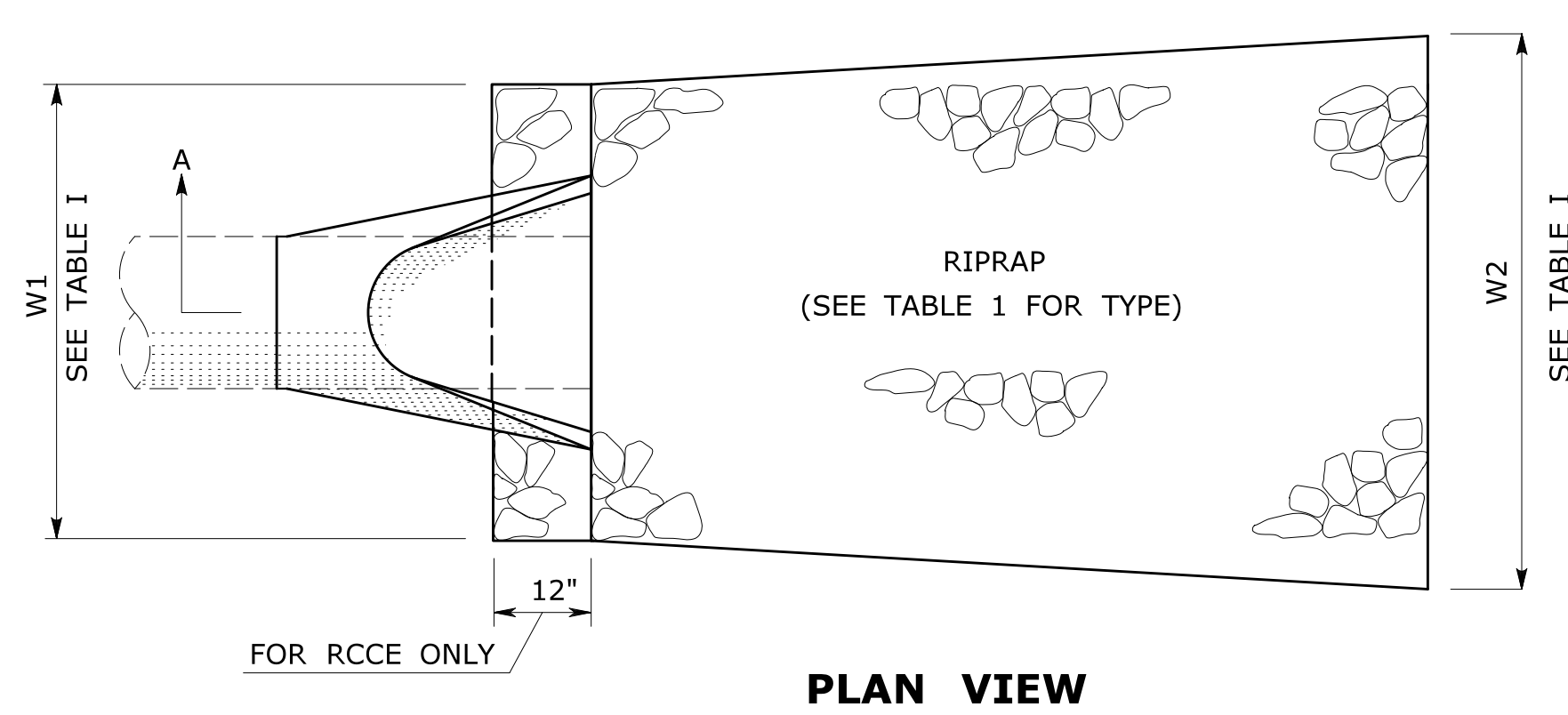
THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.				DESIGNER/DRAFTER: CHECKED BY:		<b>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</b>		SIGNATURE/ BLOCK:  APPROVED BY:		PROJECT TITLE:  <b>ROUNDABOUT AT AN INTERSECTION ROUTE X AND ROUTE Y</b>		TOWN:  <b>TOWN</b>		PROJECT NO. <b>999-999</b> DRAWING NO. <b>PMT-07</b> SHEET NO.	
SCALE IN FEET 0 40 80 SCALE 1"=40'				Plotted Date: 6/7/2016		Filename: ...VHW_MSH_0120_0086_E&S_sample_4.dgn				DRAWING TITLE: <b>100-YR FLOOD IMPACT PLAN</b>					
REV.	DATE	REVISION DESCRIPTION	SHEET NO.												







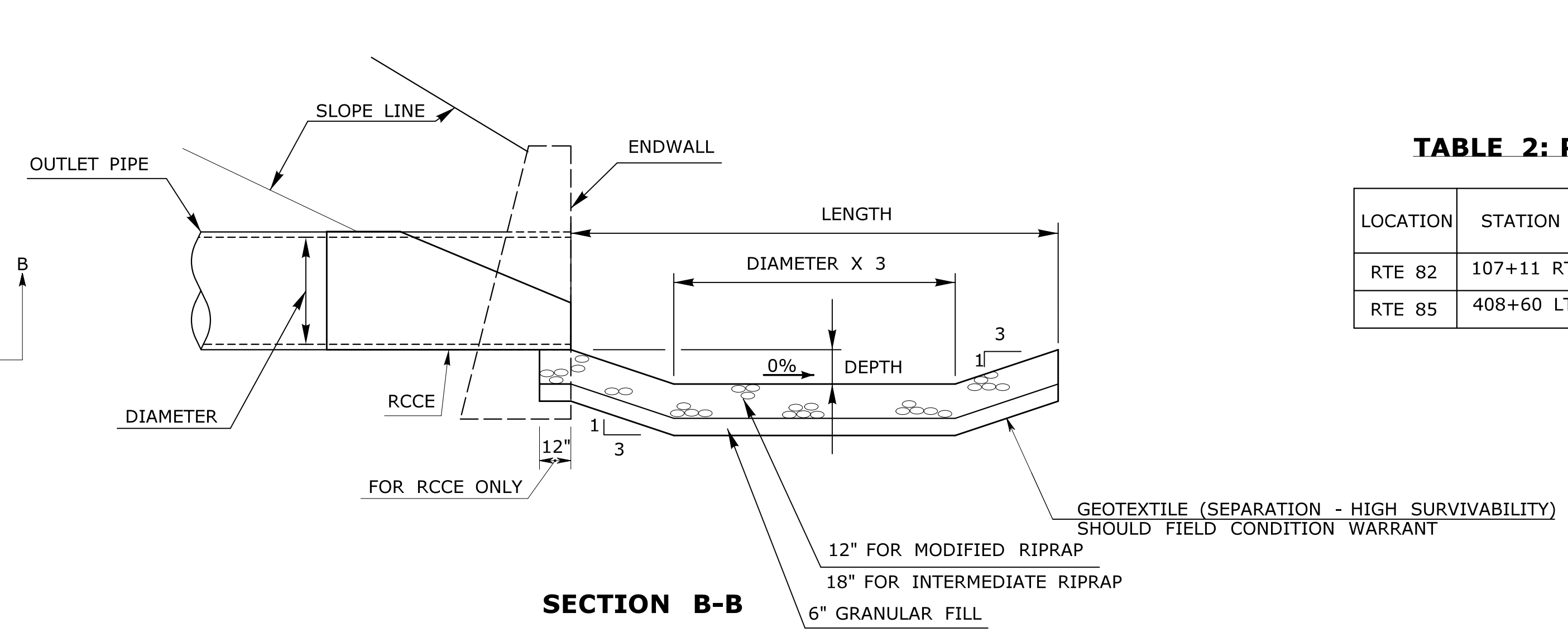
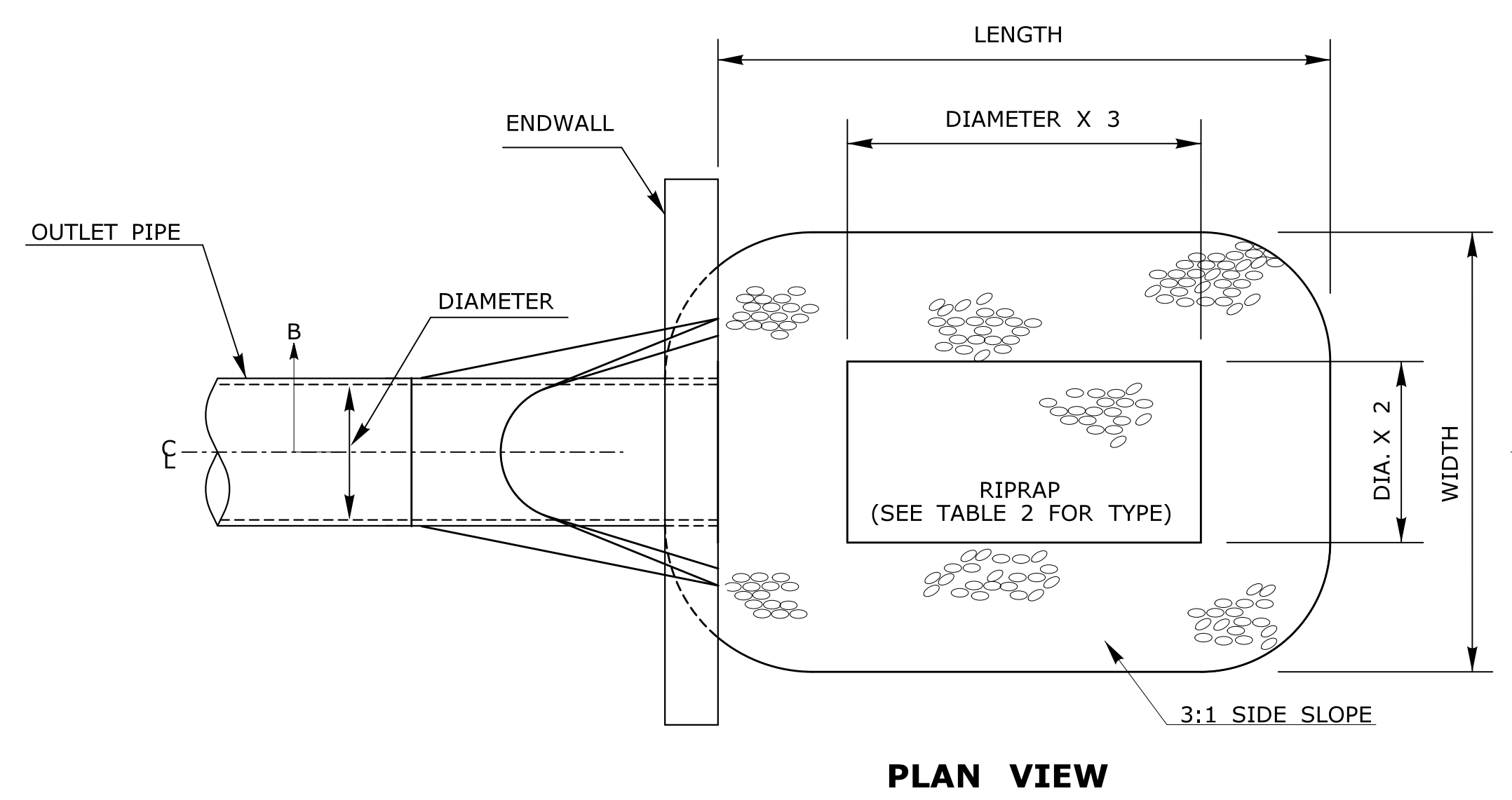
DETAILS TO BE SHOWN ARE FOR WORK ASSOCIATED WITH THE REGULATED AREAS



**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



**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

**ENVIRONMENTAL PERMIT PLANS**

PLAN DATE: **DECEMBER 7, 2015**

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	CHECKED BY:		OFFICE OF ENGINEERING		APPROVED BY:		999-999
NOT TO SCALE							DRAWING NO.:
							<b>PMT-10</b>
REV. HW:mbs_sher022 (ripap.dgn)	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 6/7/2016	Filename: ...permit_ripap_details.dgn			SHEET NO.