

**Section 3 - Appendix 12**  
**Site-Specific Wetland and Waterbody Drawings**  
**Connecticut**

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# TENNESSEE GAS PIPELINE COMPANY, L.L.C.

## NORTHEAST ENERGY DIRECT PIPELINE - WETLANDS & WATERBODIES

### PENNSYLVANIA, NEW YORK, MASSACHUSETTS, NEW HAMPSHIRE, CONNECTICUT



**DRAWING PACKAGE:**

- COVERSHEET
- GENERAL NOTES
- INDEX OVERVIEW
- SITE SPECIFIC DRAWINGS

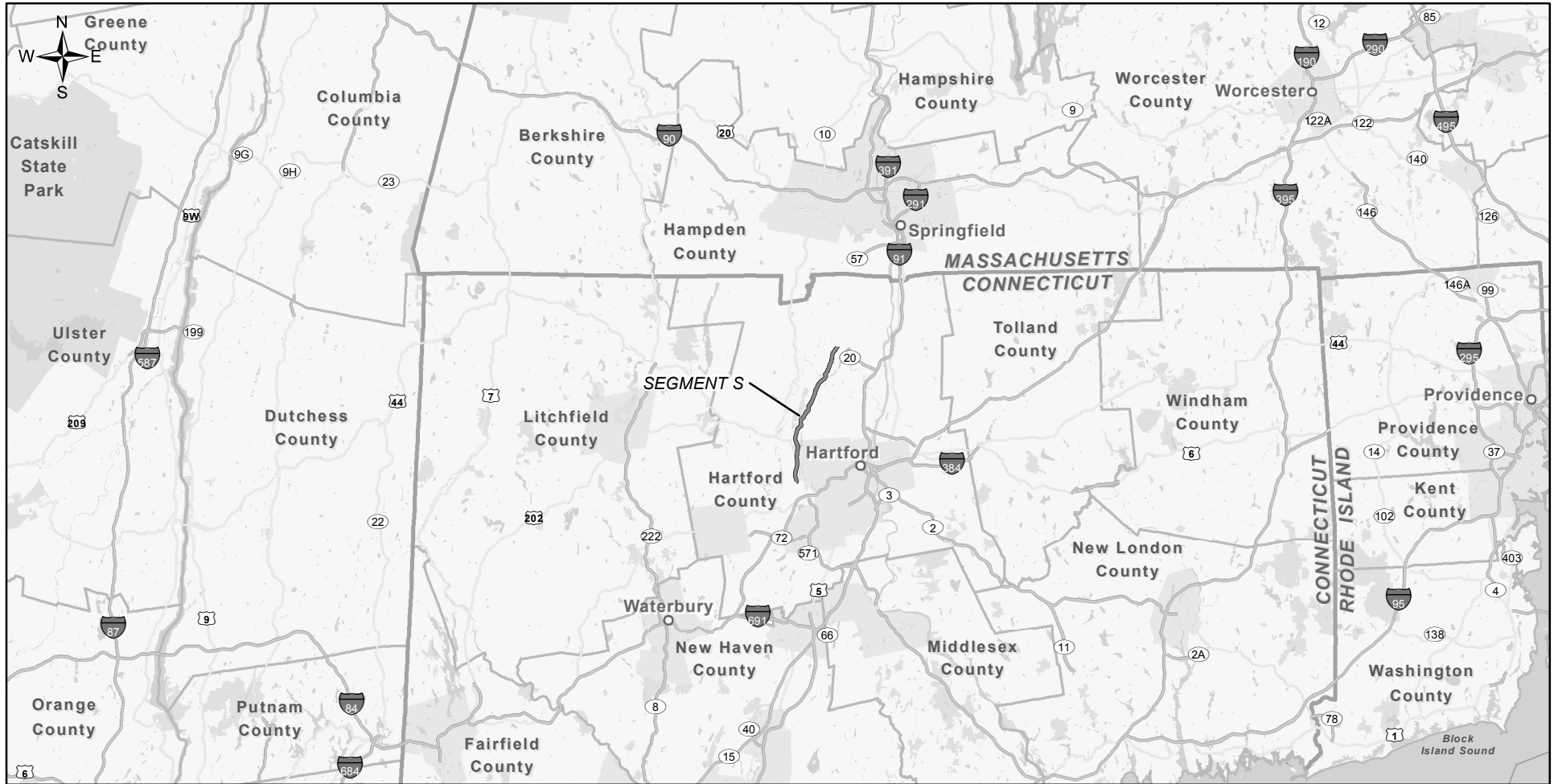


REVISIONS						PREPARED FOR	NORTHEAST ENERGY DIRECT PROJECT		
NO.	REVISIONS	DATE	DRAWN	CK	APPR	 Tennessee Gas Pipeline Company, L.L.C. a Kinder Morgan company	COVERSHEET		
							 Hatch Mott MacDonald	NORTHEAST ENERGY DIRECT PIPELINE OVERALL PROJECT	
						SCALE AS SHOWN		DRAWING NO. COVERSHEET - OVERALL	REVISION

# TENNESSEE GAS PIPELINE COMPANY, L.L.C.

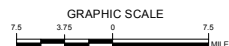
## NORTHEAST ENERGY DIRECT PIPELINE - WETLANDS & WATERBODIES

### CONNECTICUT



**DRAWING PACKAGE:**

- COVERSHEET
- GENERAL NOTES
- INDEX OVERVIEW
- SITE SPECIFIC DRAWINGS



REVISIONS						PREPARED FOR		NORTHEAST ENERGY DIRECT PROJECT		
NO.	REVISIONS	DATE	DRAWN	CK	APPR	Tennessee Gas Pipeline Company, L.L.C. a Kinder Morgan company		COVERSHEET		
						PREPARED BY Hatch Mott MacDonald		NORTHEAST ENERGY DIRECT PIPELINE CONNECTICUT SEGMENT S		
						SCALE AS SHOWN	DRAWING NO. COVERSHEET - CT	REVISION		

# TENNESSEE GAS PIPELINE COMPANY, L.L.C.

## NORTHEAST ENERGY DIRECT PIPELINE - WETLANDS & WATERBODIES

### GENERAL NOTES

1. Source: Wetland & waterbody field delineation completed by Tennessee Gas Pipeline Company's consultants where parcel access was available.
2. The overall project consists of multiple segments labeled as A, B, C, D, E, F, G, H, I, J, K, L, N, O, P, Q and S. Each segment is associated with its own set of mileposts beginning at MP 0.00. Segment breaks typically occur at state lines.
3. Sheet numbering is based on the sheet location along the pipeline alignment. Therefore, sheet numbering is not in sequence.
4. Title Blocks are labeled with Segment, Milepost Range of the sheet, a list of wetland and waterbody feature designations, township, county and state of the crossing location.
5. Mileposts are not shown on the alignment to avoid clutter. The milepost range of each sheet is shown in the title block.
6. Some wetlands and waterbodies are shown on more than one sheet. In these cases, each sheet will have the total impact shown for each feature.
7. Definitions:
  - a. INDEX – Sequential numbering of wetland and waterbody features. Index numbers are placed on the map near the westerly edge of the feature where it is first impacted by the workspace. Index numbers begin again at "1" on each individual sheet.
  - b. FEATURE – The assigned designation of the wetland or waterbody feature.
  - c. LENGTH FT – Crossing length of feature in feet. For waterbodies, a crossing length of 0 feet indicates that the waterbody is within the construction workspace limits, but does not cross the pipeline. For wetlands, crossing lengths of 0 feet indicate that a wetland is impacted by only workspace (not the pipeline centerline).
  - d. CONSTR ACRES – Construction Acreage = all workspace during construction activities (TWS, ATWS, and permanent easement) that impacts wetlands. Workspace was laid out to maintain a 75 foot construction ROW through wetlands with the exception of certain site-specific areas. Stream acreage impacts were not calculated and are designated as NC – Not Calculated and will be provided in subsequent submissions.
  - e. OPER ACRES – 10-foot wide corridor permanently maintained in herbaceous vegetative cover through PSS wetlands, and 30-foot wide corridor permanently maintained through PFO wetlands where trees taller than 15 feet that could damage the pipeline coating will be selectively cut and removed. The permanently maintained corridors represent a change in cover type from PFO to PSS and PEM or PSS to PEM; there is no operation impact on PEM wetlands, since there is no change in pre- and post-construction wetland vegetation cover type. Operational acreage represents areas of new permanent easement and does not include overlap with TGP's existing pipelines. The existing permanent easement for TGP's existing pipelines are not included in the operational wetland impacts.
  - f. Stream acreage impacts were not calculated and are designated as NC – Not Calculated.
- g. CROSSING METHOD – Method of wetland/waterbody crossing.
  - Wetlands Crossing Techniques: I = standard crossing; II = conventional crossing; III = push/pull crossing; IV = Horizontal Directional Drill; V = Timber mats will be used to cross wetlands for Contractor Yards and Access Roads; N/A = wetland not crossed by pipeline.
  - Waterbodies crossing techniques: I = Conventional, Wet Crossing Method; II = Dry Crossing Method including Flume and Dam and Pump; III = Conventional Bore; IV = Horizontal Directional Drill; N/A = waterbody not crossed by the pipeline. Intermittent streams containing discernable flow at the time of construction will be crossed using a dry crossing method.
- h. TYPE – Wetland or Waterbody Type. Wetland classification is in accordance with Cowardin et al 1979.
  - i. PEM – Palustrine Emergent Wetland
  - ii. PSS - Palustrine Scrub Shrub
  - iii. PFO - Palustrine Forested Wetland
  - iv. Other - All other wetland class types
  - v. P = Perennial Stream
  - vi. I = Intermittent Stream
  - vii. E = Ephemeral Stream
  - viii. NF = No Flow Stream
  - ix. AP = Artificial Path Stream
  - x. C = Connector Stream
  - xi. RUB = Riverine Unconsolidated Bottom
  - xii. UNK – Unknown Stream Type
- i. DEG USE – Water Quality Designation / Fishery Classification as identified through a review of publicly available data. The definitions vary by state as presented below.
 

**Pennsylvania:** N/A = Not Applicable, no state fishery classification; TS = Trout stocked; PA Fishery Classifications: Approved trout waters (PFBC 2015a, 2015f); Natural Trout Reproduction (PFBC 2015b, 2015c).

**New York:** Class A, A-Special, AA, and AA-Special surface waters. Waters with classifications A, B, and C also may have a standard of (T), indicating that they may support trout populations; or (TS), indicating that they may support trout spawning (TS).

**Massachusetts:** Class A: These waters include waters designated as a source of public water supply and their tributaries. Class B: These waters are designated as a habitat for fish; other aquatic life, and wildlife, including reproduction, migration, growth, and other critical functions; and for primary and secondary contact recreation. Class C: These waters are designated as a habitat for fish; other aquatic life and wildlife, including reproduction, migration, growth and other critical functions; and for secondary contact recreation. HQ-High Quality. CFR - Coldwater Fishery Resource.

**New Hampshire:** CWF = Cold Water Fishery, A= Class A, B= Class B

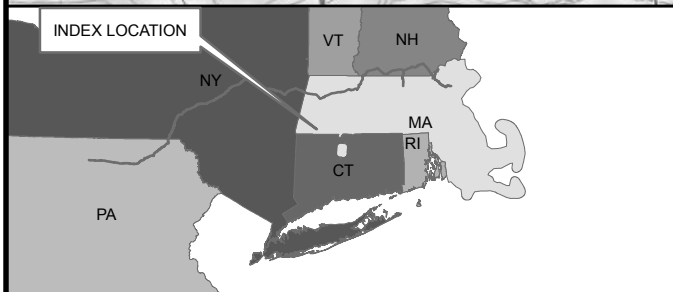
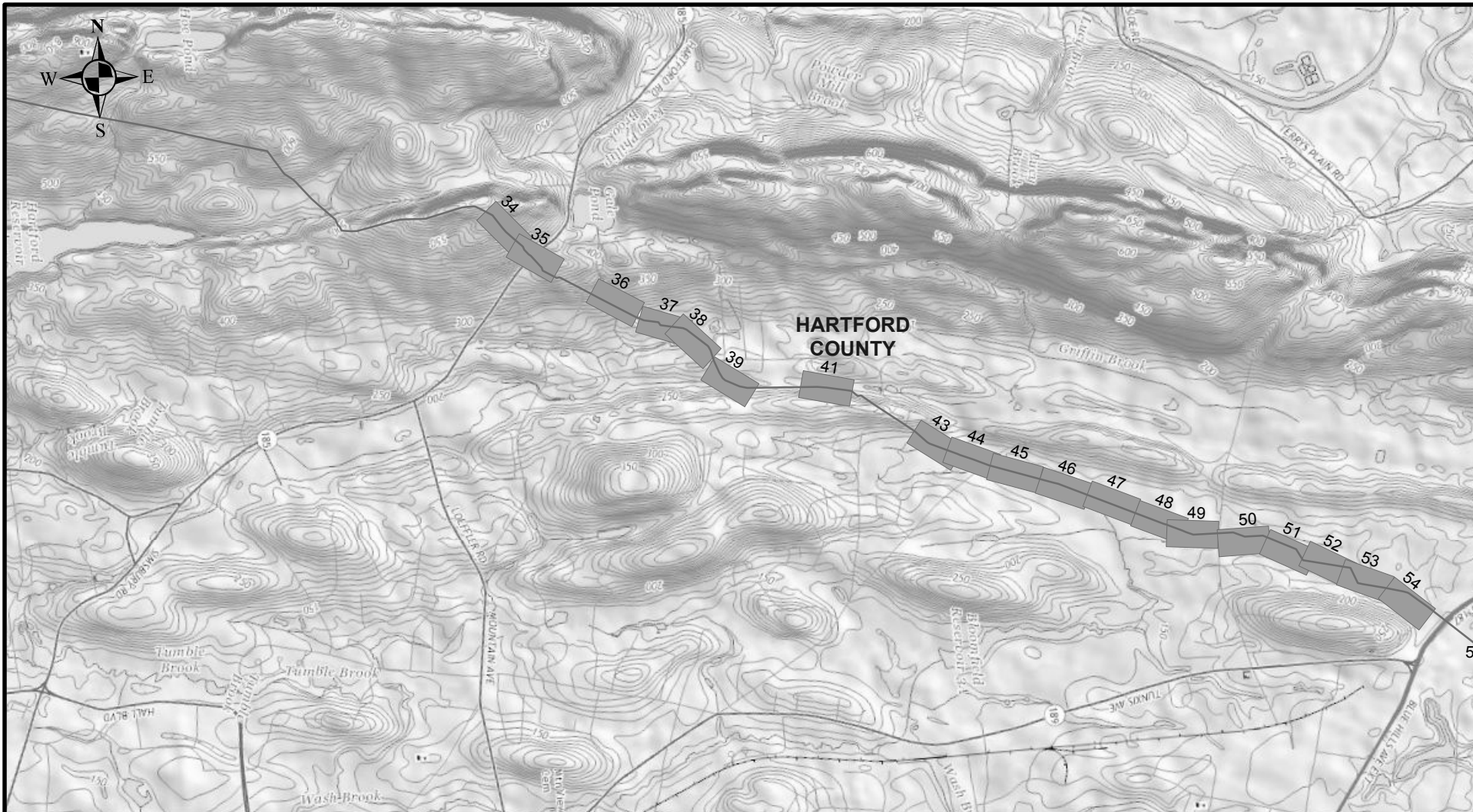
**Connecticut:** Class AA: Existing or proposed drinking water supplies; habitat for fish and other aquatic life and wildlife; recreation; and water supply for industry and agriculture. Class A: Habitat for fish and other aquatic life and wildlife; potential drinking water supplies; recreation; navigation; and water supply for industry and agriculture. Class B: Habitat for fish and other aquatic life and wildlife; recreation; navigation; and industrial and agricultural water supply.

**DRAWING PACKAGE:**

- COVERSHEET
- GENERAL NOTES
- INDEX OVERVIEW
- SITE SPECIFIC DRAWINGS

REVISIONS						PREPARED FOR		NORTHEAST ENERGY DIRECT PROJECT	
NO.	REVISIONS	DATE	DRAWN	CK	APPR	 Tennessee Gas Pipeline Company, L.L.C. a Kinder Morgan company		COVERSHEET	
								 Hatch Mott MacDonald	
						SCALE	DRAWING NO.		
								COVERSHEET - NOTES	

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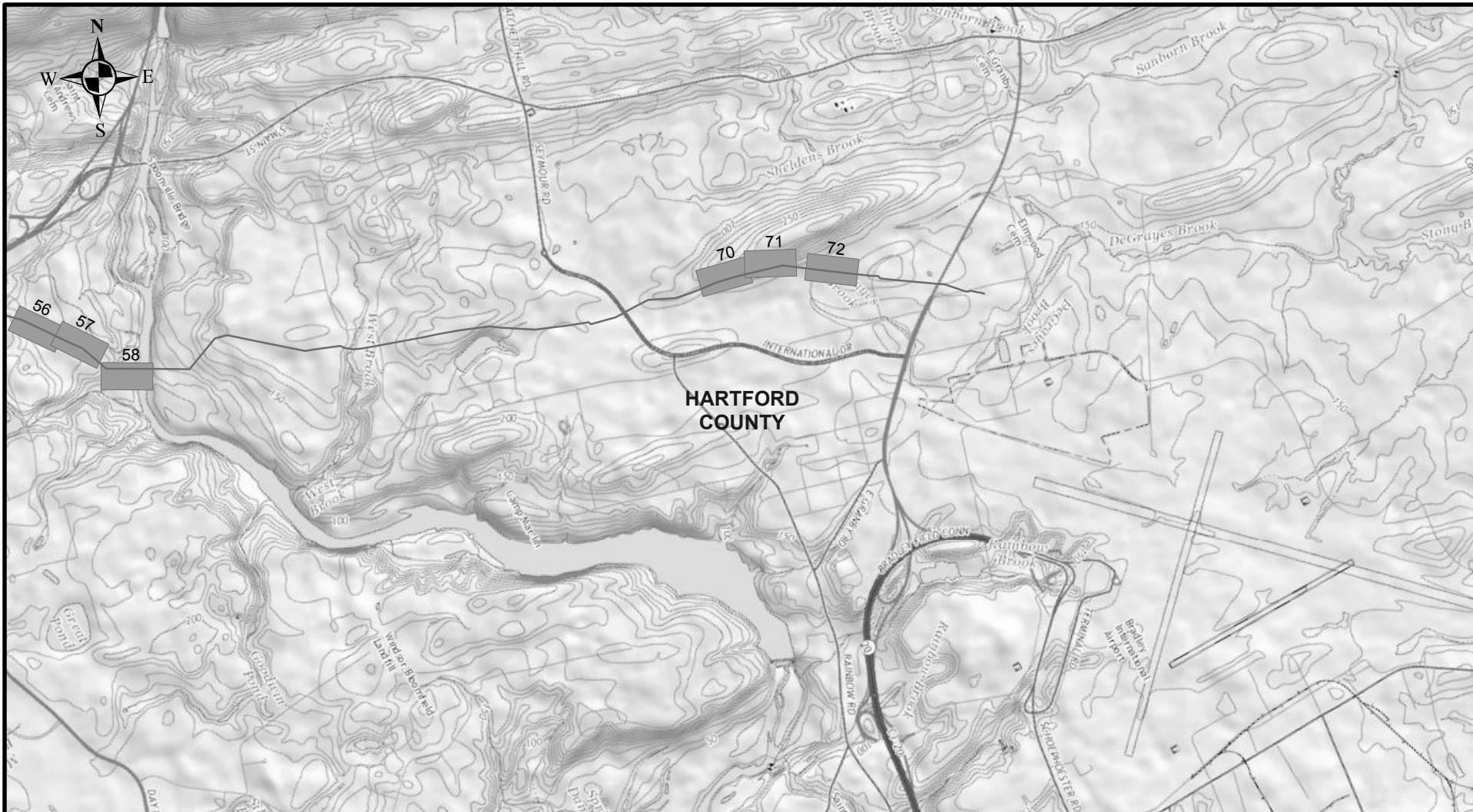


## NED ENVIRONMENTAL IMPACT SHEET INDEX

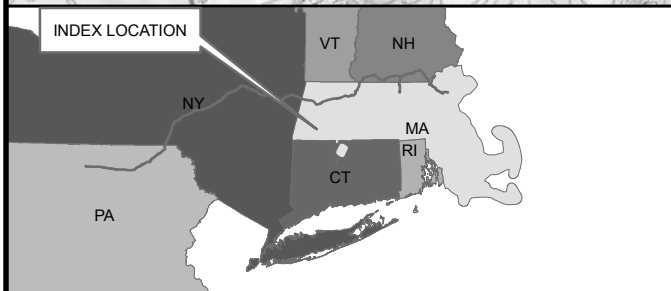
SHEET 001 OF 2 IN SEGMENT "S"

FROM MP 4.4 TO MP 10.8

HARTFORD COUNTY, CONNECTICUT



HARTFORD COUNTY



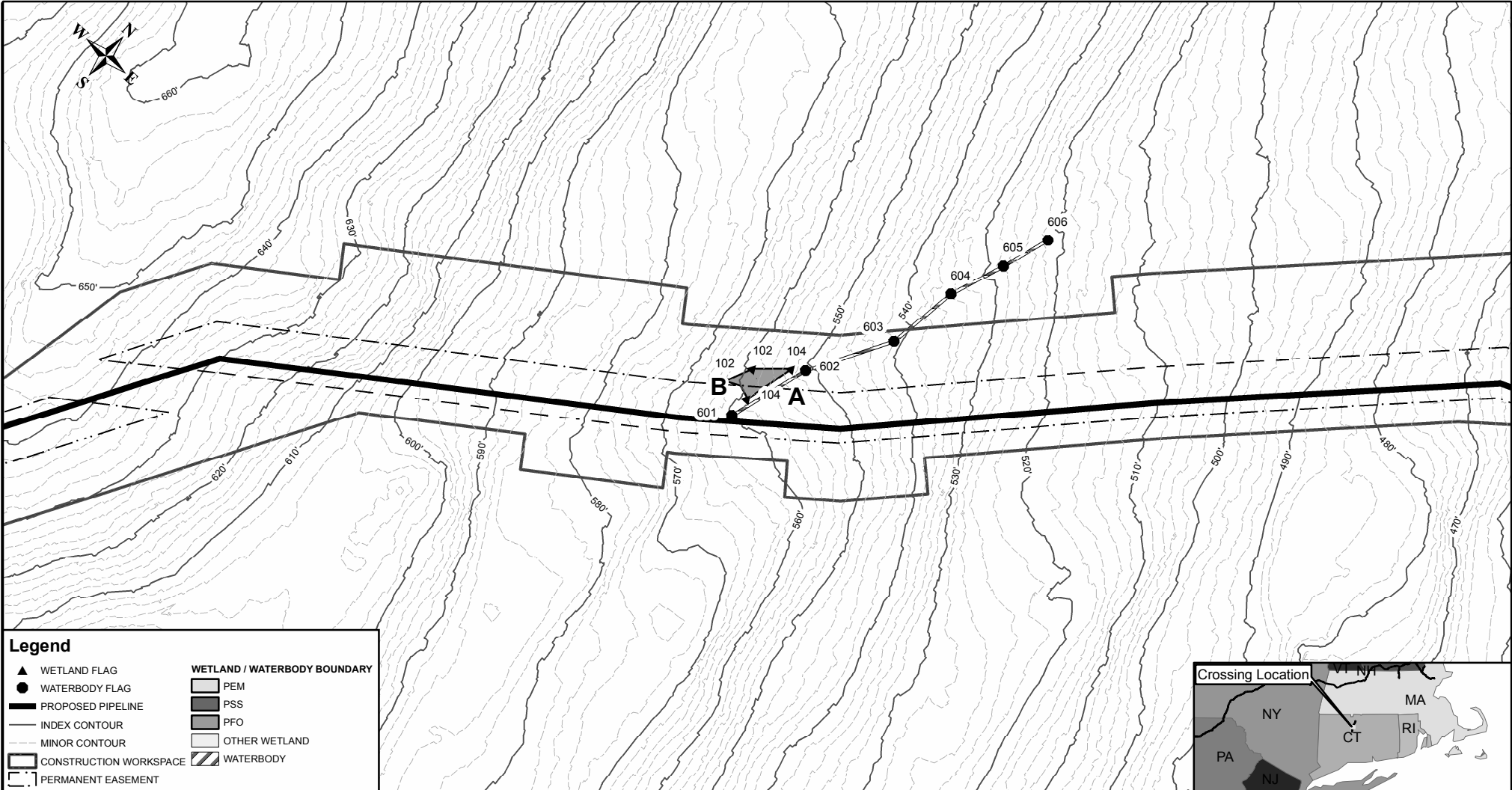
**NED ENVIRONMENTAL IMPACT SHEET INDEX**

SHEET 002 OF 2 IN SEGMENT "S"

FROM MP 10.8 TO MP 14.8

HARTFORD COUNTY, CONNECTICUT



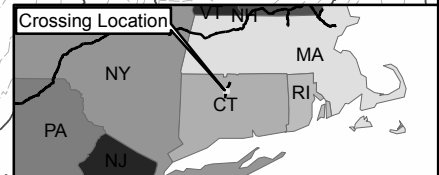


**Legend**

- ▲ WETLAND FLAG
- WATERBODY FLAG
- PROPOSED PIPELINE
- INDEX CONTOUR
- MINOR CONTOUR
- ▭ CONSTRUCTION WORKSPACE
- ▭ PERMANENT EASEMENT

**WETLAND / WATERBODY BOUNDARY**

- ◻ PEM
- ◻ PSS
- ◻ PFO
- ◻ OTHER WETLAND
- ◻ WATERBODY



Impact Table										
INDEX	LATITUDE	LONGITUDE	FEATURE	FEET	CST AC	OP AC	CROSSING METHOD	TYPE	DESIG USE	WATERBODY NAME
A	41° 50' 1.900" N	72° 46' 54.973" W	BL-O-S001	0	0	0	N/A	I	A	UNT TO TUMBLE BROOK
B	41° 50' 2.055" N	72° 46' 55.210" W	BL-O-W001	0	0.01	0	N/A	PFO		

**WETLAND & WATERBODY SITE SPECIFIC DWG**  
**NED SEGMENT "S"** MP6.5 TO MP6.6  
 BL-O-S001  
 BL-O-W001

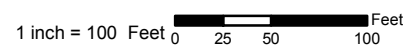
**BLOOMFIELD, HARTFORD COUNTY, CT**

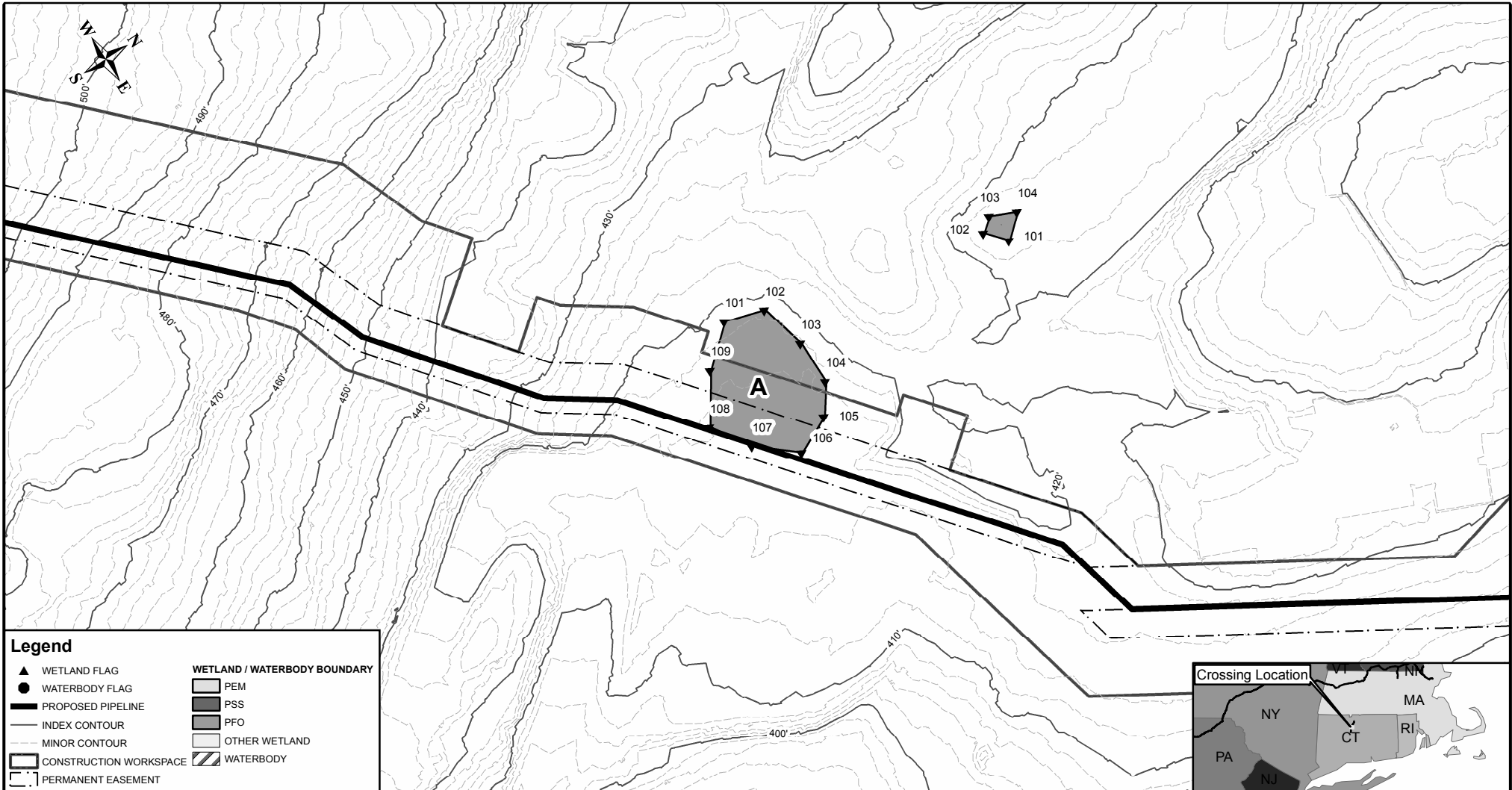
**TE-SEG-S-ENV-034**

NO	DATE	BY	REVISION DESCRIPTION
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Tennessee Gas Pipeline Company, L.L.C. a Kinder Morgan company

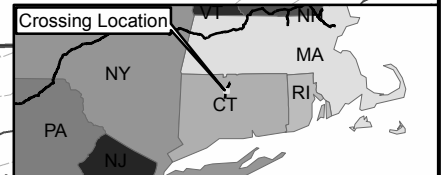
Hatch Mott MacDonald  
 Drawing Date: 11/16/2015





**Legend**

▲ WETLAND FLAG	WETLAND / WATERBODY BOUNDARY
● WATERBODY FLAG	PEM
— PROPOSED PIPELINE	PSS
— INDEX CONTOUR	PFO
— MINOR CONTOUR	OTHER WETLAND
▭ CONSTRUCTION WORKSPACE	WATERBODY
▭ PERMANENT EASEMENT	



Impact Table										
INDEX	LATITUDE	LONGITUDE	FEATURE	FEET	CST AC	OP AC	CROSSING METHOD	TYPE	DESIG USE	WATERBODY NAME
A	41° 50' 7.603" N	72° 46' 46.972" W	BL-O-W003	19	0.09	0.02	II	PFO		

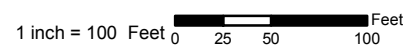
**WETLAND & WATERBODY SITE SPECIFIC DWG**  
**NED SEGMENT "S"** MP6.6 TO MP6.8  
 BL-O-W002  
 BL-O-W003

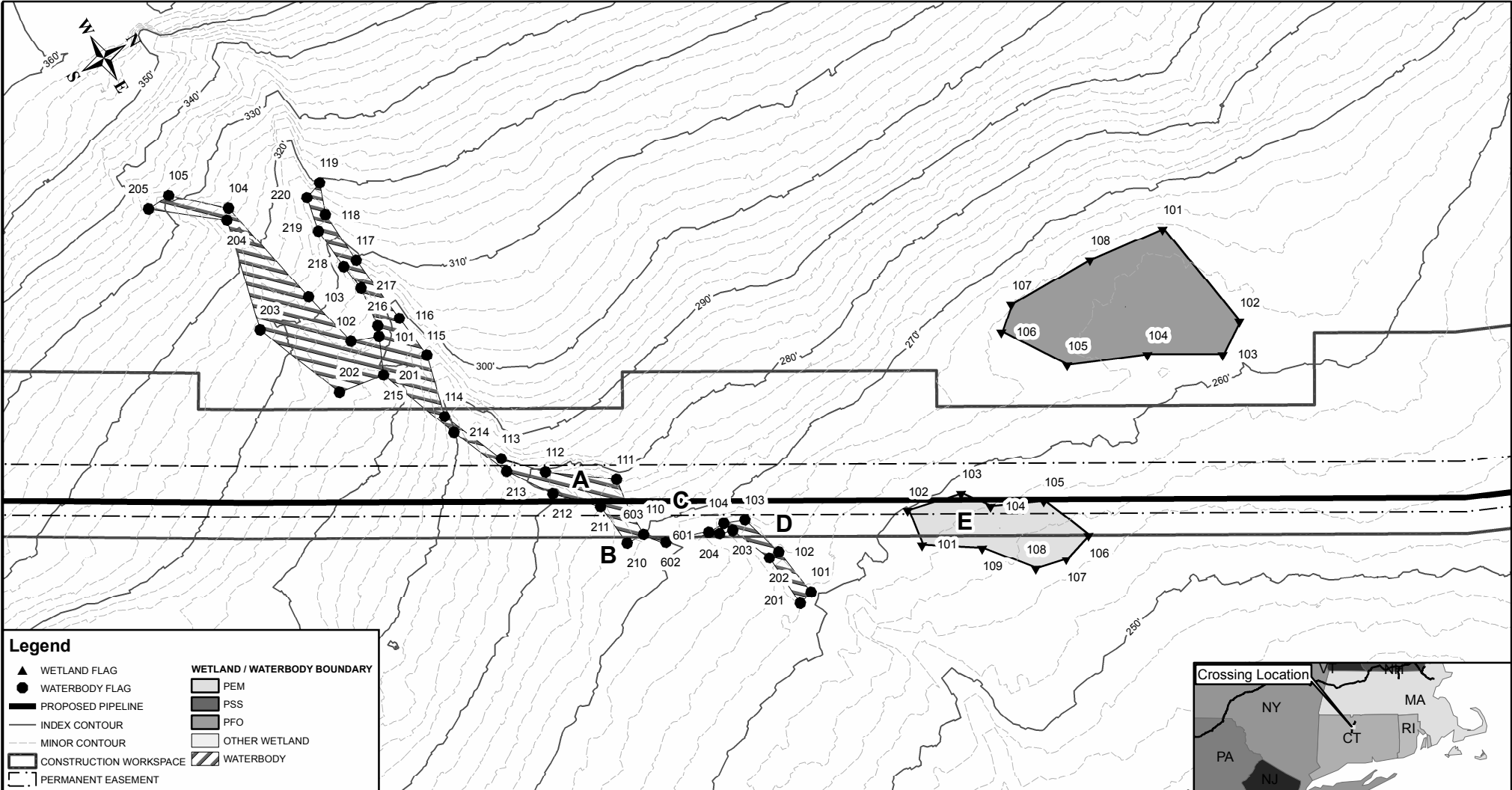
**BLOOMFIELD, HARTFORD COUNTY, CT**

**TE-SEG-S-ENV-035**

NO	DATE	BY	REVISION DESCRIPTION
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<small>a Kinder Morgan company</small>	<small>Drawing Date: 11/16/2015</small>



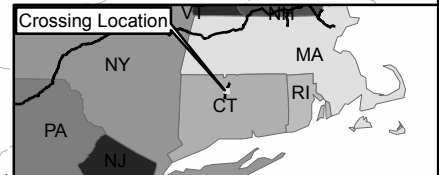


**Legend**

- ▲ WETLAND FLAG
- WATERBODY FLAG
- PROPOSED PIPELINE
- - - INDEX CONTOUR
- MINOR CONTOUR
- ▭ CONSTRUCTION WORKSPACE
- ▭ PERMANENT EASEMENT

**WETLAND / WATERBODY BOUNDARY**

- ◻ PEM
- ◻ PSS
- ◻ PFO
- ◻ OTHER WETLAND
- ▨ WATERBODY



INDEX	LATITUDE	LONGITUDE	FEATURE	FEET	CST AC	OP AC	CROSSING METHOD	TYPE	DESIG USE	WATERBODY NAME
A	41° 50' 21.553" N	72° 46' 32.671" W	BL-P-S004	31	0	0	II	E	A	UNT TO TUMBLE BROOK
B	41° 50' 21.781" N	72° 46' 32.106" W	BL-P-S004	0	0	0	N/A	E	A	UNT TO TUMBLE BROOK
C	41° 50' 22.005" N	72° 46' 31.895" W	BL-P-S004	0	0	0	N/A	E	A	UNT TO TUMBLE BROOK
D	41° 50' 22.176" N	72° 46' 31.798" W	BL-P-S004	0	0	0	N/A	E	A	UNT TO TUMBLE BROOK
E	41° 50' 23.413" N	72° 46' 30.976" W	BL-B-W007	25	0.06	0	II	PEM		

**WETLAND & WATERBODY SITE SPECIFIC DWG**  
**NED SEGMENT "S"** MP7.0 TO MP7.2  
 BL-B-W007  
 BL-P-S004  
 BL-P-S004A  
 BL-P-W003

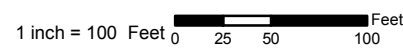
**BLOOMFIELD, HARTFORD COUNTY, CT**

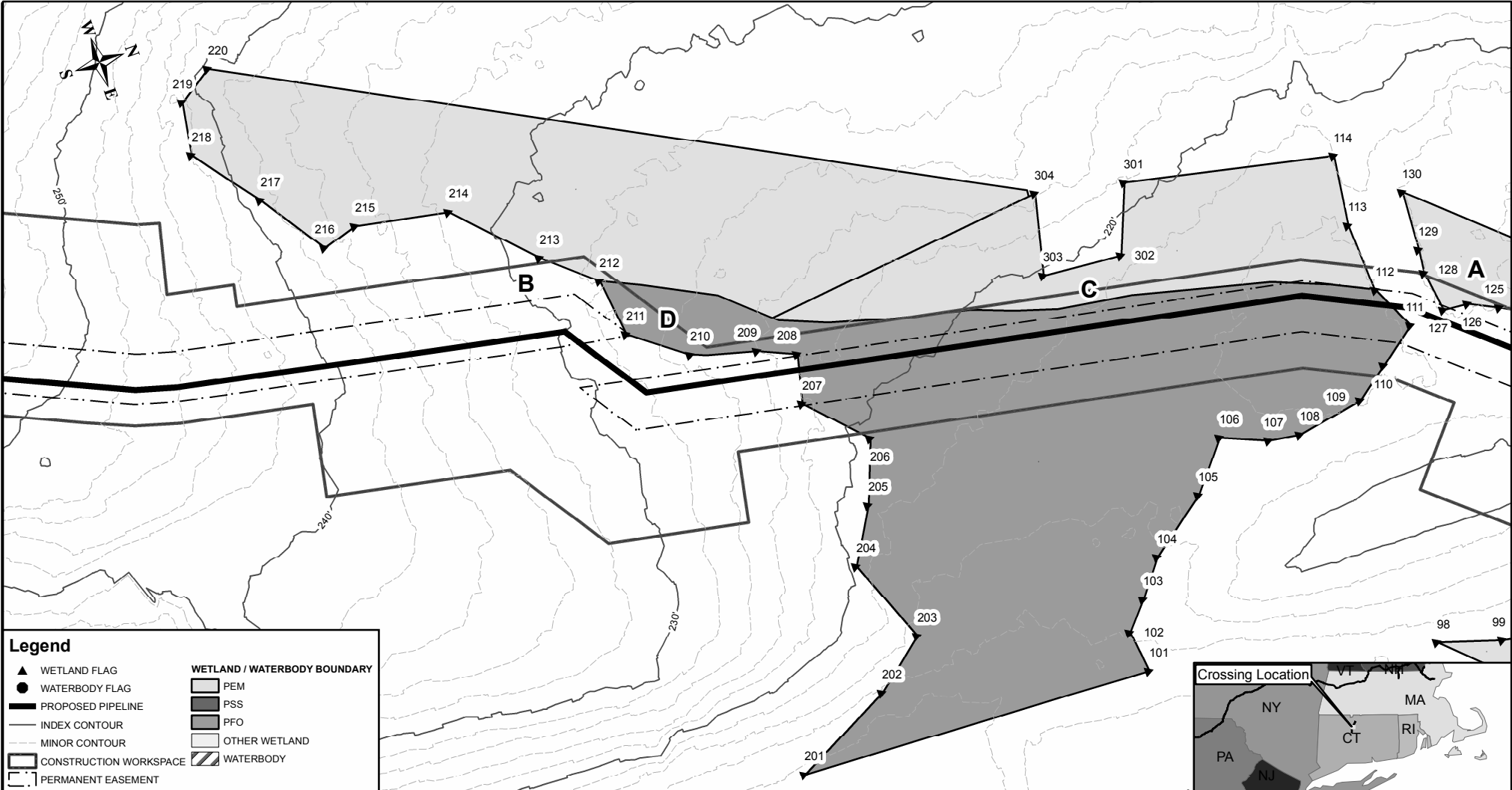
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NO	DATE	BY	REVISION DESCRIPTION
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Tennessee Gas Pipeline Company, L.L.C.  
 a Kinder Morgan company

Hatch Mott MacDonald  
 Drawing Date: 11/16/2015



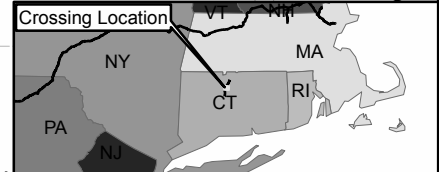


**Legend**

- ▲ WETLAND FLAG
- WATERBODY FLAG
- PROPOSED PIPELINE
- INDEX CONTOUR
- MINOR CONTOUR
- ▭ CONSTRUCTION WORKSPACE
- ▭ PERMANENT EASEMENT

**WETLAND / WATERBODY BOUNDARY**

- ◻ PEM
- ◻ PSS
- ◻ PFO
- ◻ OTHER WETLAND
- ◻ WATERBODY



INDEX	LATITUDE	LONGITUDE	FEATURE	FEET	CST AC	OP AC	CROSSING METHOD	TYPE	DESIG USE	WATERBODY NAME
A	41° 50' 36.880" N	72° 46' 23.935" W	BL-B-W005	0	0.01	0	N/A	PEM		
B	41° 50' 31.296" N	72° 46' 26.964" W	BL-B-W006	0	0.01	0	N/A	PEM		
C	41° 50' 33.583" N	72° 46' 25.257" W	BL-B-W006	0	0.06	0	N/A	PEM		
D	41° 50' 31.571" N	72° 46' 26.627" W	BL-B-W006	416	0.68	0.24	II	PFO		

**WETLAND & WATERBODY SITE SPECIFIC DWG  
 NED SEGMENT "S"  
 BL-B-W005  
 BL-B-W006  
 BL-O-W004**

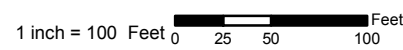
**MP7.2 TO MP7.4**

**BLOOMFIELD, HARTFORD COUNTY, CT**

**TE-SEG-S-ENV-037**

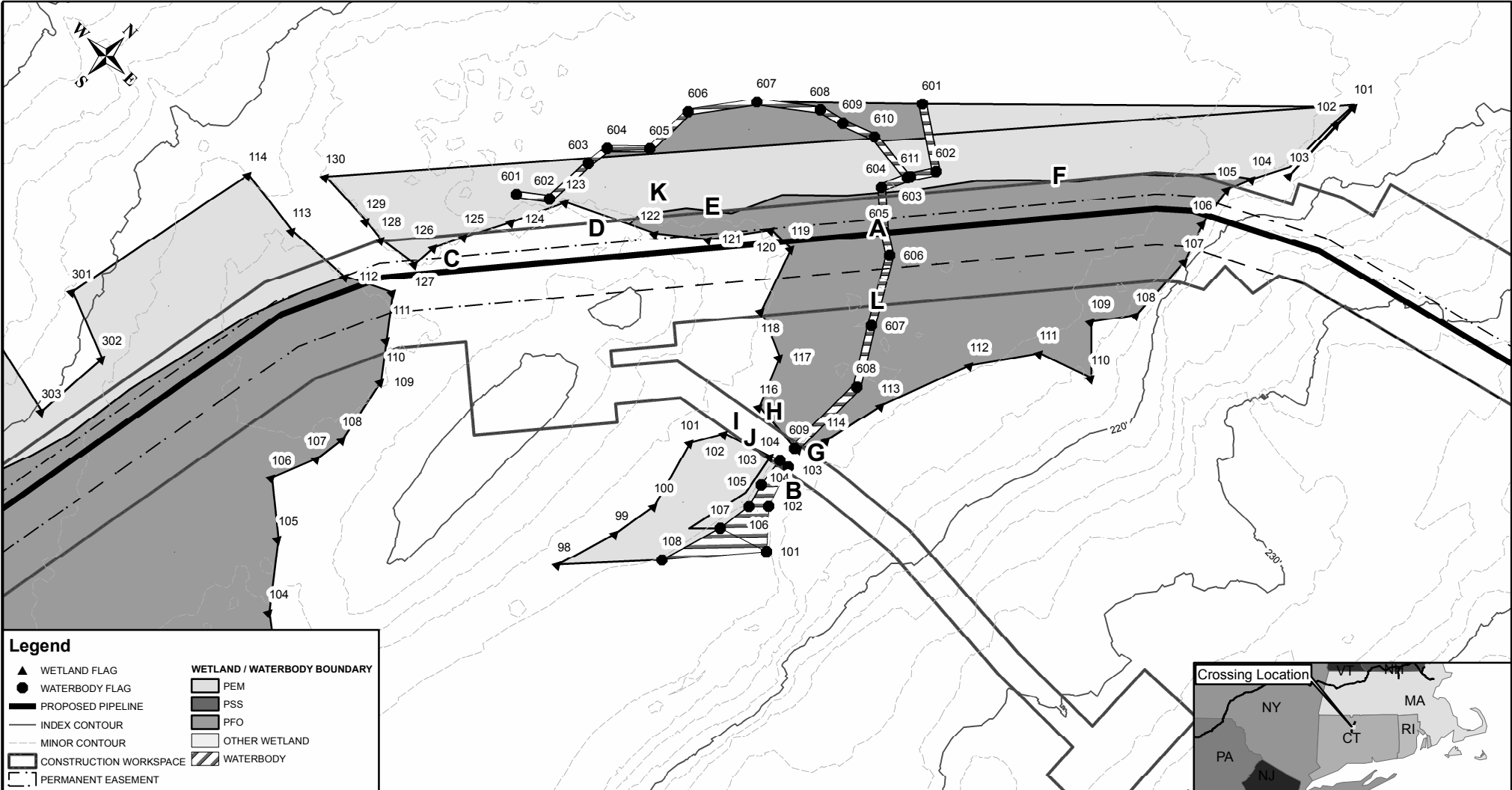
NO	DATE	BY	REVISION DESCRIPTION
1	11/13/15	HMM	ISSUED FOR PERMIT

**NOTES:** 1. THE WETLAND OR WATERBODY SHOWN ON THIS SHEET CONTINUES. SEE ADJACENT SHEETS.  
 2. THE IMPACT TABLE SHOWS ENTIRE AREA FOR EACH WETLAND OR WATERBODY IMPACT LISTED, EVEN IF IT CONTINUES ON TO AN ADJACENT SHEET.



Tennessee Gas Pipeline Company, L.L.C. a Kinder Morgan company

Hatch Mott MacDonald  
 Drawing Date: 11/16/2015



**Legend**

- ▲ WETLAND FLAG
- WATERBODY FLAG
- PROPOSED PIPELINE
- - - INDEX CONTOUR
- - - MINOR CONTOUR
- ▭ CONSTRUCTION WORKSPACE
- ▭ PERMANENT EASEMENT

**WETLAND / WATERBODY BOUNDARY**

- ◻ PEM
- ◻ PSS
- ◻ PFO
- ◻ OTHER WETLAND
- ▨ WATERBODY

Impact Table											
INDEX	LATITUDE	LONGITUDE	FEATURE	FEET	CST AC	OP AC	CROSSING METHOD	TYPE	DESIG USE	WATERBODY NAME	
A	41° 50' 39.225" N	72° 46' 20.611" W	BL-P-S003	5	0	0	II	P	A	UNT TO TUMBLE BROOK	
B	41° 50' 37.567" N	72° 46' 19.882" W	BL-B-S003	0	0	0	N/A	NF	A	UNT TO TUMBLE BROOK	
C	41° 50' 36.880" N	72° 46' 23.935" W	BL-B-W005	0	0.01	0	N/A	PEM			
D	41° 50' 38.072" N	72° 46' 22.473" W	BL-B-W005	0	0.01	0	N/A	PEM			
E	41° 50' 38.568" N	72° 46' 21.866" W	BL-B-W005	0	0.01	0	N/A	PEM			
F	41° 50' 40.332" N	72° 46' 19.702" W	BL-B-W005	0	0.01	0	N/A	PEM			
G	41° 50' 37.751" N	72° 46' 19.829" W	BL-B-W005	0	0.01	0	V	PFO			
H	41° 50' 37.751" N	72° 46' 20.034" W	BL-B-W005	0	0.01	0	V	PFO			
I	41° 50' 37.538" N	72° 46' 20.170" W	BL-O-W004	0	0.01	0	V	PEM			
J	41° 50' 37.558" N	72° 46' 19.972" W	BL-O-W004	0	0.01	0	V	PEM			
K	41° 50' 38.103" N	72° 46' 22.378" W	BL-B-W005	68	0.16	0.04	II	PFO			
L	41° 50' 38.857" N	72° 46' 20.167" W	BL-B-W005	224	0.37	0.13	II	PFO			

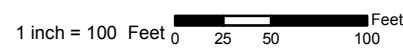
**WETLAND & WATERBODY SITE SPECIFIC DWG**  
**NED SEGMENT "S"** MP7.4 TO MP7.6  
 BL-B-S003  
 BL-B-W005  
 BL-B-W006  
 BL-O-W004  
 BL-P-S003  
 BL-P-S003A

BLOOMFIELD, HARTFORD COUNTY, CT

TE-SEG-S-ENV-038

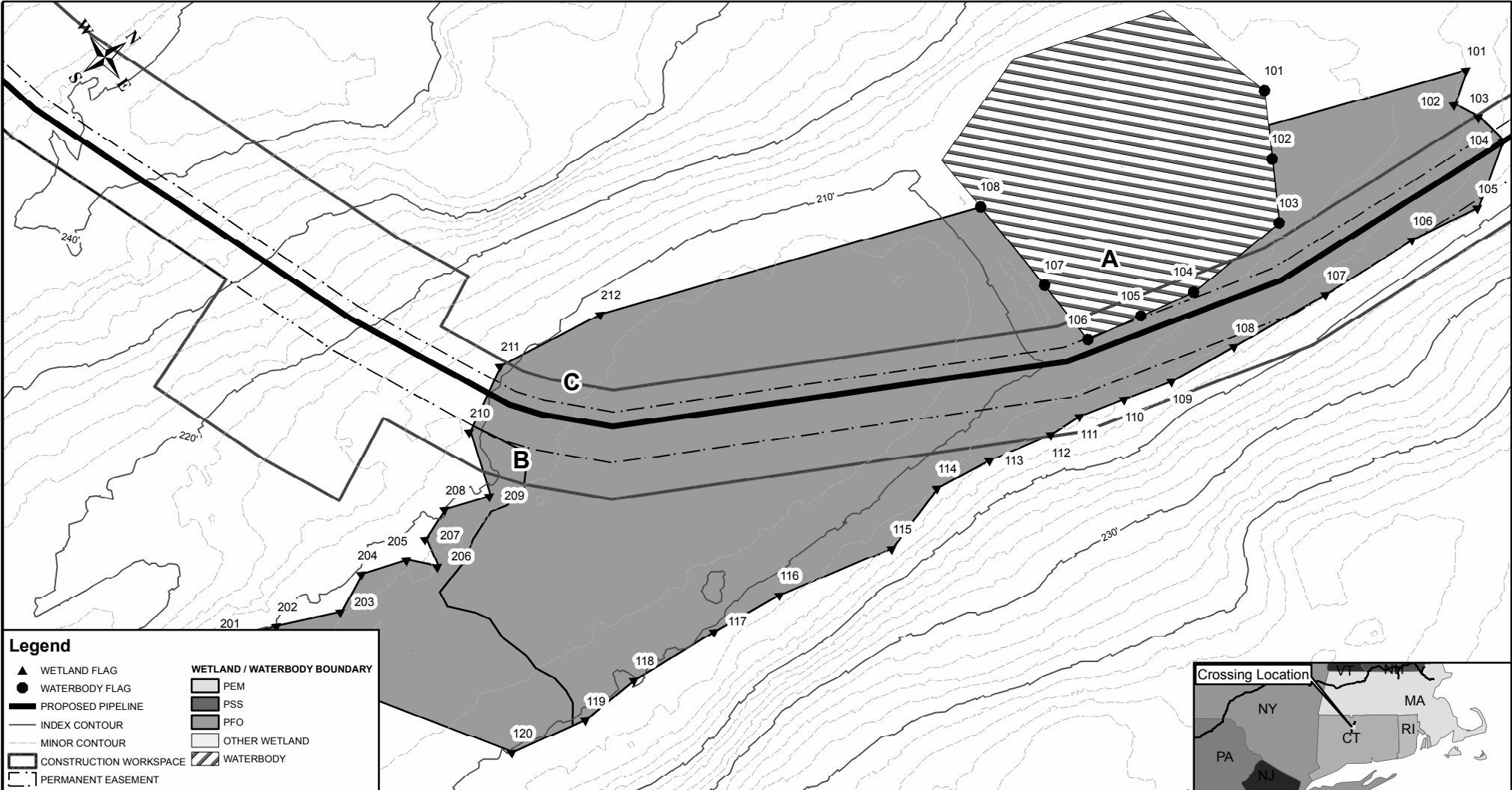
NO	DATE	BY	REVISION DESCRIPTION
1	11/13/15	HMM	ISSUED FOR PERMIT

**NOTES:** 1. THE WETLAND OR WATERBODY SHOWN ON THIS SHEET CONTINUES. SEE ADJACENT SHEETS.  
 2. THE IMPACT TABLE SHOWS ENTIRE AREA FOR EACH WETLAND OR WATERBODY IMPACT LISTED, EVEN IF IT CONTINUES ON TO AN ADJACENT SHEET.



Tennessee Gas Pipeline Company, L.L.C. a Kinder Morgan company

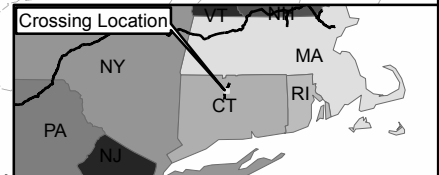
Hatch Mott MacDonald  
 Drawing Date: 11/16/2015



**Legend**

▲ WETLAND FLAG	WETLAND / WATERBODY BOUNDARY
● WATERBODY FLAG	PEM
— PROPOSED PIPELINE	PSS
— INDEX CONTOUR	PFO
— MINOR CONTOUR	OTHER WETLAND
▭ CONSTRUCTION WORKSPACE	WATERBODY
▭ PERMANENT EASEMENT	

Impact Table										
INDEX	LATITUDE	LONGITUDE	FEATURE	FEET	CST AC	OP AC	CROSSING METHOD	TYPE	DESIG USE	WATERBODY NAME
A	41° 50' 46.502" N	72° 46' 7.493" W	BL-P-S002	0	0	0	N/A	NF	A	UNT TO TUMBLE BROOK
B	41° 50' 42.750" N	72° 46' 9.981" W	BL-B-W004	0	0.02	0	N/A	PFO		
C	41° 50' 43.154" N	72° 46' 10.276" W	BL-B-W004	751	1.08	0.43	II	PFO		



**WETLAND & WATERBODY SITE SPECIFIC DWG**  
**NED SEGMENT "S"** MP7.6 TO MP7.8  
 BL-B-W004  
 BL-P-S002

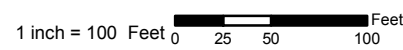
BLOOMFIELD, HARTFORD COUNTY, CT

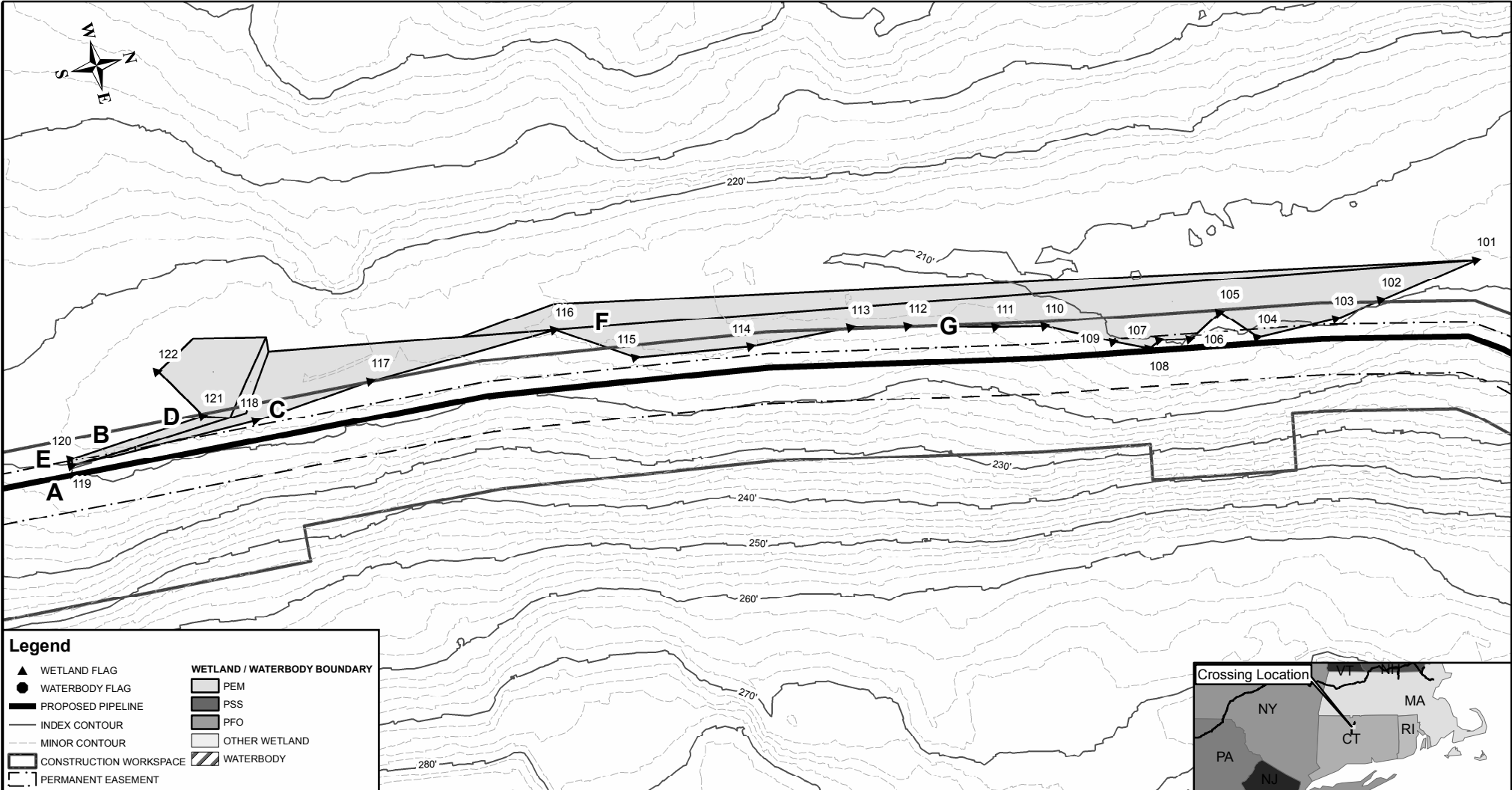
TE-SEG-S-ENV-039

NO	DATE	BY	REVISION DESCRIPTION
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Tennessee Gas Pipeline Company, L.L.C. a Kinder Morgan company

Hatch Mott MacDonald  
 Drawing Date: 11/16/2015





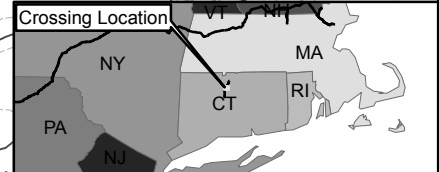
**Legend**

- ▲ WETLAND FLAG
- WATERBODY FLAG
- PROPOSED PIPELINE
- - - INDEX CONTOUR
- - - MINOR CONTOUR
- - - CONSTRUCTION WORKSPACE
- - - PERMANENT EASEMENT

**WETLAND / WATERBODY BOUNDARY**

- PEM
- PSS
- PFO
- OTHER WETLAND
- WATERBODY

Impact Table										
INDEX	LATITUDE	LONGITUDE	FEATURE	FEET	CST AC	OP AC	CROSSING METHOD	TYPE	DESIG USE	WATERBODY NAME
A	41° 50' 58.991" N	72° 46' 5.607" W	BL-B-W002	0	0.01	0	N/A	PEM		
B	41° 50' 58.991" N	72° 46' 5.607" W	BL-B-W005	0	0.01	0	N/A	PEM		
C	41° 51' 0.121" N	72° 46' 5.657" W	BL-B-W005	0	0.01	0	N/A	PEM		
D	41° 50' 59.941" N	72° 46' 5.758" W	BL-O-W005	0	0.01	0	N/A	PEM		
E	41° 50' 58.991" N	72° 46' 5.607" W	BL-B-W002	0	0.02	0	N/A	PEM		
F	41° 51' 2.759" N	72° 46' 5.369" W	BL-B-W002	0	0.03	0	N/A	PEM		
G	41° 51' 4.845" N	72° 46' 4.817" W	BL-B-W002	0	0.07	0	N/A	PEM		



**WETLAND & WATERBODY SITE SPECIFIC DWG**  
**NED SEGMENT "S"**  
 BL-B-W002  
 BL-B-W005  
 BL-O-W005

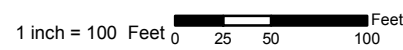
**BLOOMFIELD, HARTFORD COUNTY, CT**

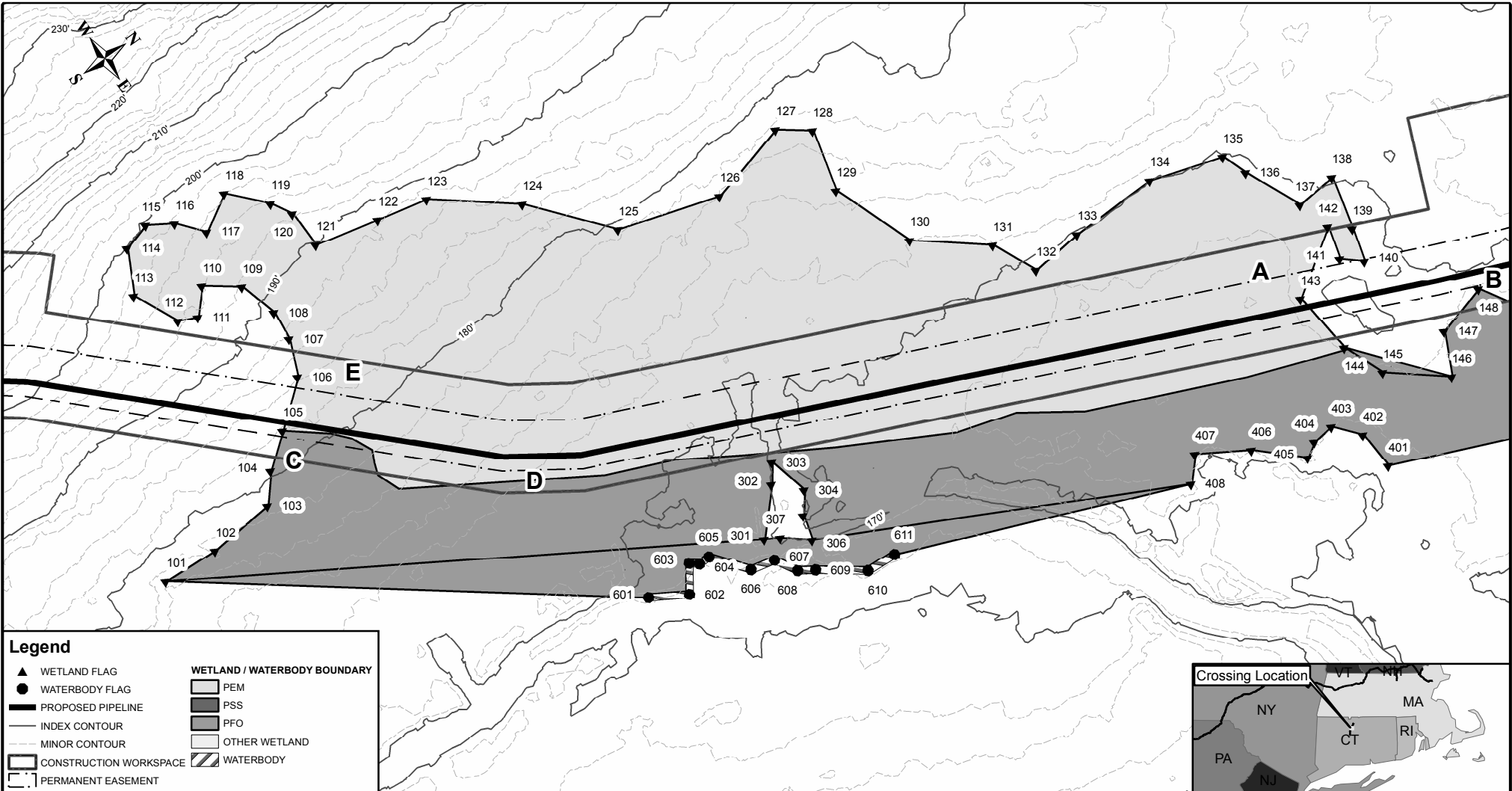
**TE-SEG-S-ENV-041**

NO	DATE	BY	REVISION DESCRIPTION
1	11/13/15	HMM	ISSUED FOR PERMIT

Tennessee Gas Pipeline Company, L.L.C. a Kinder Morgan company

Hatch Mott MacDonald  
 Drawing Date: 11/16/2015





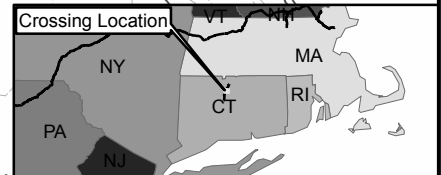
**Legend**

- ▲ WETLAND FLAG
- WATERBODY FLAG
- PROPOSED PIPELINE
- INDEX CONTOUR
- MINOR CONTOUR
- ▭ CONSTRUCTION WORKSPACE
- ▭ PERMANENT EASEMENT

**WETLAND / WATERBODY BOUNDARY**

- ◻ PEM
- ◻ PSS
- ◻ PFO
- ◻ OTHER WETLAND
- ◻ WATERBODY

INDEX	LATITUDE	LONGITUDE	FEATURE	FEET	CST AC	OP AC	CROSSING METHOD	TYPE	DESIG USE	WATERBODY NAME
A	41° 51' 28.366" N	72° 45' 44.880" W	BL-B-W001	0	0.01	0	N/A	PEM		
B	41° 51' 28.739" N	72° 45' 43.546" W	BL-B-W001	0	0.01	0	N/A	PFO		
C	41° 51' 21.633" N	72° 45' 49.058" W	BL-B-W001	0	0.03	0.01	N/A	PFO		
D	41° 51' 22.491" N	72° 45' 47.868" W	BL-B-W001	0	0.03	0	N/A	PFO		
E	41° 51' 22.168" N	72° 45' 49.743" W	BL-B-W001	725	1.19	0	II	PEM		



**WETLAND & WATERBODY SITE SPECIFIC DWG**  
**NED SEGMENT "S"**  
 BL-B-S002  
 BL-B-W001

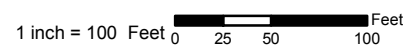
**MP8.4 TO MP8.6**

**BLOOMFIELD, HARTFORD COUNTY, CT**

**TE-SEG-S-ENV-043**

NO	DATE	BY	REVISION DESCRIPTION
1	11/13/15	HMM	ISSUED FOR PERMIT

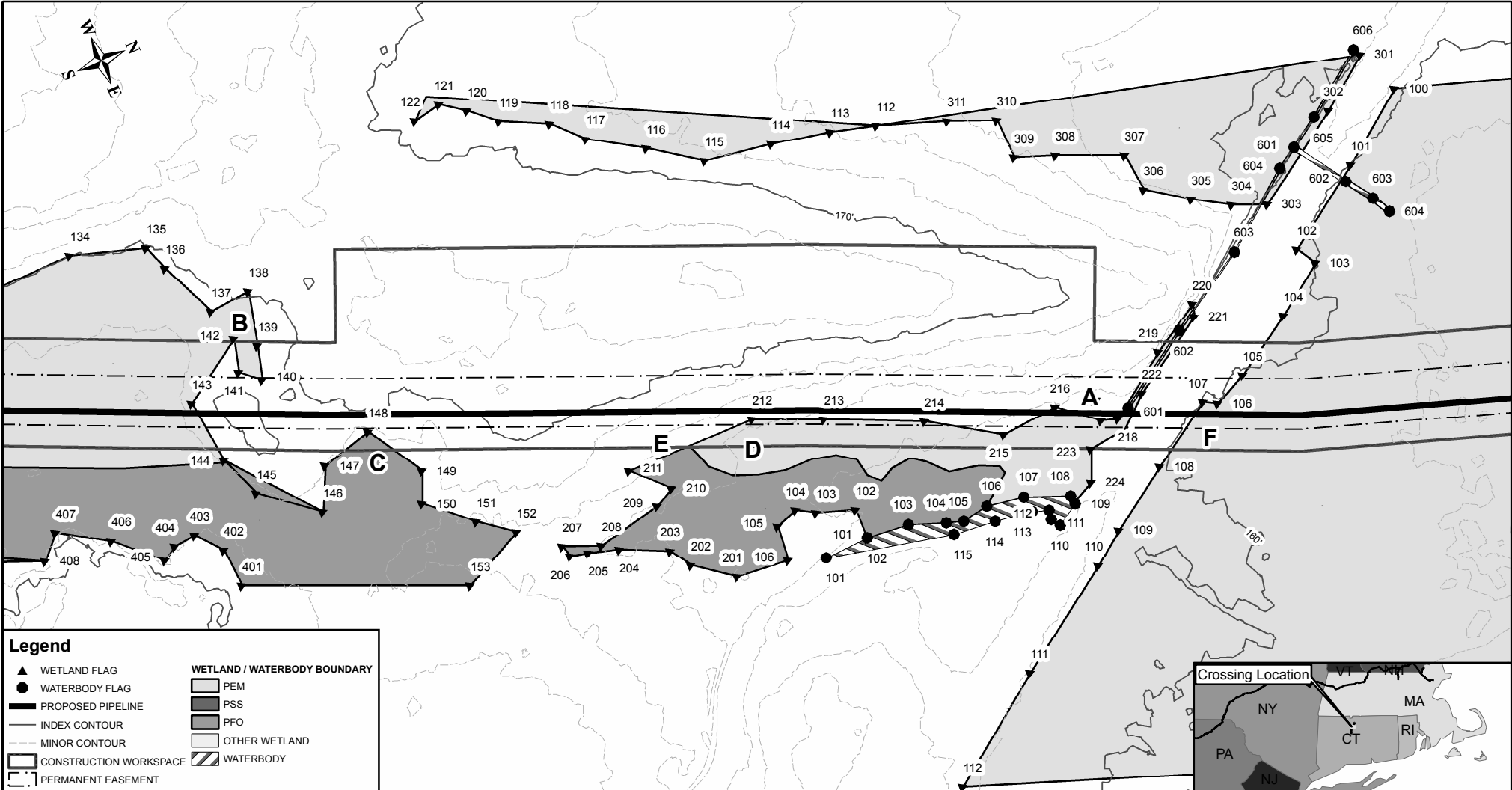
**NOTES:** 1. THE WETLAND OR WATERBODY SHOWN ON THIS SHEET CONTINUES. SEE ADJACENT SHEETS.  
 2. THE IMPACT TABLE SHOWS ENTIRE AREA FOR EACH WETLAND OR WATERBODY IMPACT LISTED, EVEN IF IT CONTINUES ON TO AN ADJACENT SHEET.



Tennessee Gas Pipeline Company, L.L.C. a Kinder Morgan company

Hatch Mott MacDonald  
 Drawing Date: 11/16/2015





Impact Table										
INDEX	LATITUDE	LONGITUDE	FEATURE	FEET	CST AC	OP AC	CROSSING METHOD	TYPE	DESIG USE	WATERBODY NAME
A	41° 51' 33.744" N	72° 45' 40.880" W	BL-P-S001	0	0	0	N/A	E	A	UNT TO WASH BROOK
B	41° 51' 28.366" N	72° 45' 44.880" W	BL-B-W001	0	0.01	0	N/A	PEM		
C	41° 51' 28.739" N	72° 45' 43.546" W	BL-B-W001	0	0.01	0	N/A	PFO		
D	41° 51' 30.880" N	72° 45' 42.257" W	BL-P-W002	0	0.01	0	N/A	PFO		
E	41° 51' 30.900" N	72° 45' 42.256" W	BL-P-W002	28	0.12	0	II	PEM		
F	41° 51' 33.900" N	72° 45' 40.364" W	BL-P-W001	1415	2.41	0	II	PEM		

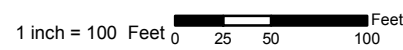
**WETLAND & WATERBODY SITE SPECIFIC DWG**  
**NED SEGMENT "S"** MP8.6 TO MP8.8  
 BL-B-S001  
 BL-B-W001  
 BL-P-S001  
 BL-P-S001A  
 BL-P-W001  
 BL-P-W002  
 BL-P-W003

BLOOMFIELD, HARTFORD COUNTY, CT

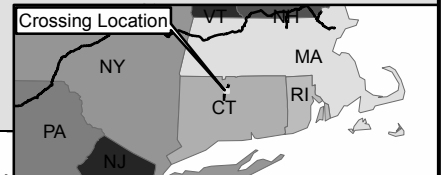
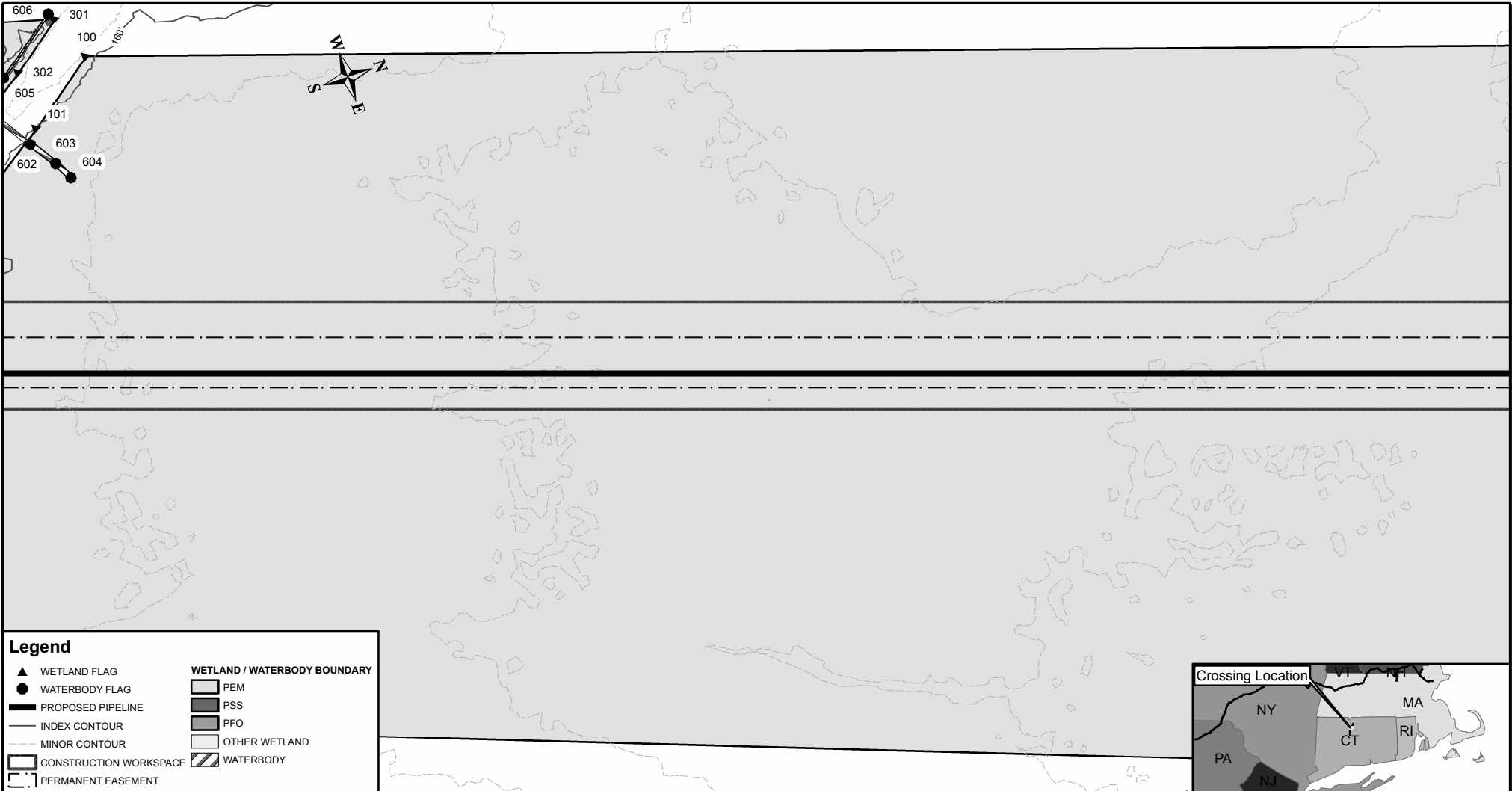
TE-SEG-S-ENV-044

NO	DATE	BY	REVISION DESCRIPTION
1	11/13/15	HMM	ISSUED FOR PERMIT

NOTES: 1. THE WETLAND OR WATERBODY SHOWN ON THIS SHEET CONTINUES. SEE ADJACENT SHEETS.  
 2. THE IMPACT TABLE SHOWS ENTIRE AREA FOR EACH WETLAND OR WATERBODY IMPACT LISTED, EVEN IF IT CONTINUES ON TO AN ADJACENT SHEET.



Tennessee Gas Pipeline Company, L.L.C. a Kinder Morgan company  
 Hatch Mott MacDonald  
 Drawing Date: 11/16/2015



**Impact Table**

NOTES: 1. THE WETLAND OR WATERBODY SHOWN ON THIS SHEET CONTINUES. SEE ADJACENT SHEETS.  
 2. THE IMPACT TABLE SHOWS ENTIRE AREA FOR EACH WETLAND OR WATERBODY IMPACT LISTED, EVEN IF IT CONTINUES ON TO AN ADJACENT SHEET.

**WETLAND & WATERBODY SITE SPECIFIC DWG**  
**NED SEGMENT "S" MP8.8 TO MP9.0**  
 BL-P-S001  
 BL-P-S001A  
 BL-P-W001  
 BL-P-W003

BLOOMFIELD, HARTFORD COUNTY, CT

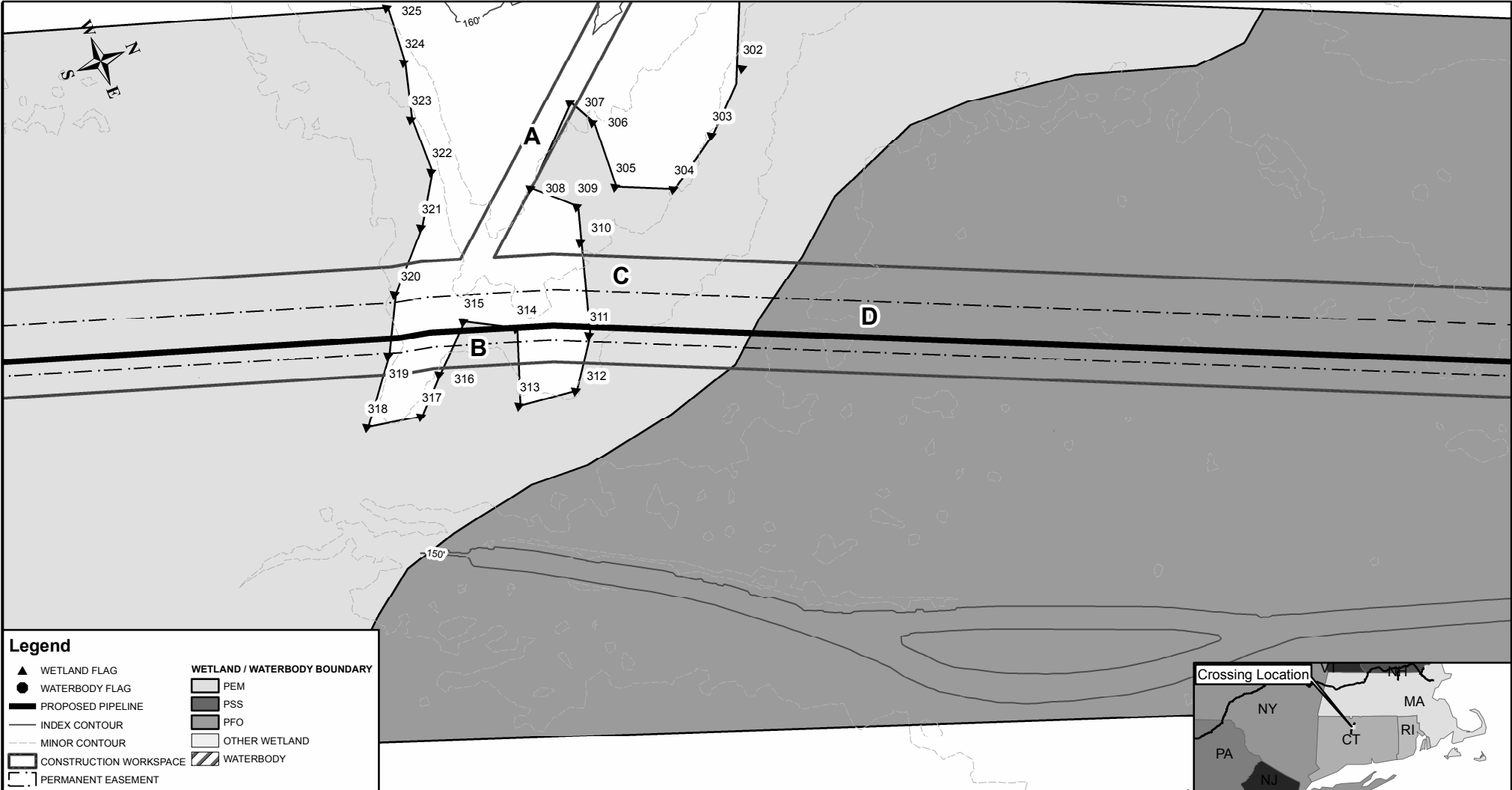
TE-SEG-S-ENV-045

NO	DATE	BY	REVISION DESCRIPTION
1	11/13/15	HMM	ISSUED FOR PERMIT

Tennessee Gas Pipeline Company, L.L.C.  
 a Kinder Morgan company

Hatch Mott MacDonald  
 Drawing Date: 11/16/2015

1 inch = 100 Feet 0 25 50 100

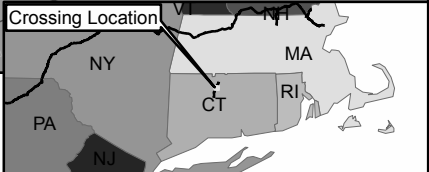


**Legend**

- ▲ WETLAND FLAG
- WATERBODY FLAG
- PROPOSED PIPELINE
- INDEX CONTOUR
- MINOR CONTOUR
- ▭ CONSTRUCTION WORKSPACE
- ▭ PERMANENT EASEMENT

**WETLAND / WATERBODY BOUNDARY**

- ◻ PEM
- ◻ PSS
- ◻ PFO
- ◻ OTHER WETLAND
- ◻ WATERBODY



Impact Table										
INDEX	LATITUDE	LONGITUDE	FEATURE	FEET	CST AC	OP AC	CROSSING METHOD	TYPE	DESIG USE	WATERBODY NAME
A	41° 51' 48.579" N	72° 45' 34.820" W	BL-P-W001	0	0.01	0	V	PEM		
B	41° 51' 47.488" N	72° 45' 33.586" W	BL-P-W001	38	0.03	0	II	PEM		
C	41° 51' 48.678" N	72° 45' 34.023" W	BL-P-W001	113	0.21	0	II	PEM		
D	41° 51' 49.295" N	72° 45' 32.523" W	BL-P-W001	2424	4.2	1.39	II	PFO		

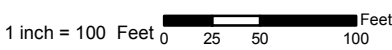
**WETLAND & WATERBODY SITE SPECIFIC DWG**  
**NED SEGMENT "S"** MP9.0 TO MP9.2  
 BL-P-W001

**BLOOMFIELD, HARTFORD COUNTY, CT**

**TE-SEG-S-ENV-046**

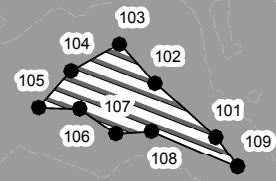
NO	DATE	BY	REVISION DESCRIPTION
1	11/13/15	HMM	ISSUED FOR PERMIT

**NOTES:** 1. THE WETLAND OR WATERBODY SHOWN ON THIS SHEET CONTINUES. SEE ADJACENT SHEETS.  
 2. THE IMPACT TABLE SHOWS ENTIRE AREA FOR EACH WETLAND OR WATERBODY IMPACT LISTED, EVEN IF IT CONTINUES ON TO AN ADJACENT SHEET.



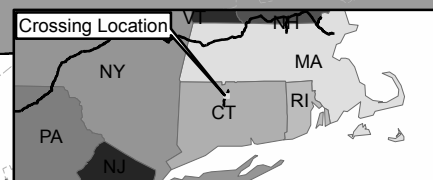
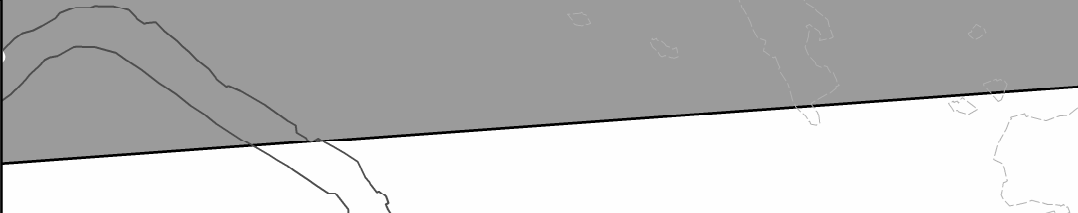
Tennessee Gas Pipeline Company, L.L.C. a Kinder Morgan company

Hatch Mott MacDonald  
 Drawing Date: 11/16/2015



**Legend**

▲ WETLAND FLAG	WETLAND / WATERBODY BOUNDARY
● WATERBODY FLAG	PEM
— PROPOSED PIPELINE	PSS
— INDEX CONTOUR	PFO
— MINOR CONTOUR	OTHER WETLAND
▭ CONSTRUCTION WORKSPACE	WATERBODY
▭ PERMANENT EASEMENT	



**Impact Table**

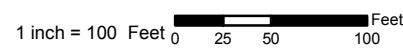
NOTES: 1. THE WETLAND OR WATERBODY SHOWN ON THIS SHEET CONTINUES. SEE ADJACENT SHEETS.  
 2. THE IMPACT TABLE SHOWS ENTIRE AREA FOR EACH WETLAND OR WATERBODY IMPACT LISTED, EVEN IF IT CONTINUES ON TO AN ADJACENT SHEET.

**WETLAND & WATERBODY SITE SPECIFIC DWG**  
**NED SEGMENT "S" MP9.2 TO MP9.3**  
 BL-P-S005  
 BL-P-W001

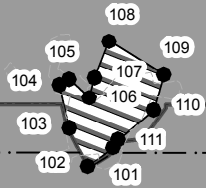
**BLOOMFIELD, HARTFORD COUNTY, CT**

**TE-SEG-S-ENV-047**

NO	DATE	BY	REVISION DESCRIPTION
1	11/13/15	HMM	ISSUED FOR PERMIT



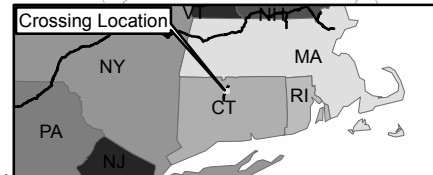
Drawing Date: 11/16/2015



**A**

**Legend**

▲ WETLAND FLAG	WETLAND / WATERBODY BOUNDARY
● WATERBODY FLAG	PEM
— PROPOSED PIPELINE	PSS
— INDEX CONTOUR	PFO
— MINOR CONTOUR	OTHER WETLAND
▭ CONSTRUCTION WORKSPACE	WATERBODY
▭ PERMANENT EASEMENT	



Impact Table										
INDEX	LATITUDE	LONGITUDE	FEATURE	FEET	CST AC	OP AC	CROSSING METHOD	TYPE	DESIG USE	WATERBODY NAME
A	41° 52' 11.071" N	72° 45' 18.808" W	BL-P-W001	864	1.46	0	II	PEM		

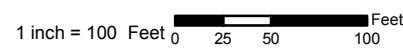
**WETLAND & WATERBODY SITE SPECIFIC DWG**  
**NED SEGMENT "S"** MP9.3 TO MP9.5  
 BL-B-S004  
 BL-P-W001

**BLOOMFIELD, HARTFORD COUNTY, CT**

TE-SEG-S-ENV-048

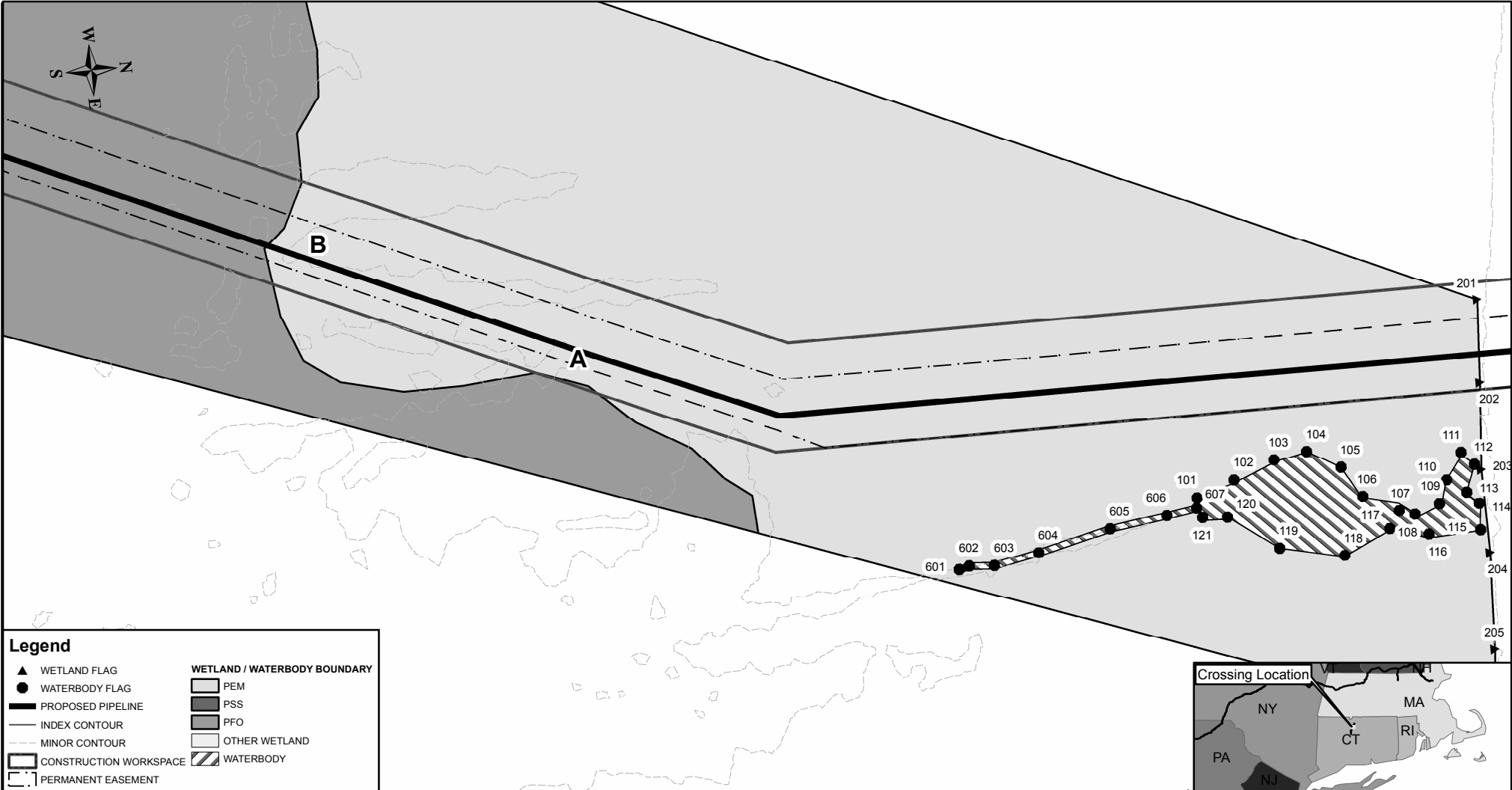
NO	DATE	BY	REVISION DESCRIPTION
1	11/13/15	HMM	ISSUED FOR PERMIT

**NOTES:** 1. THE WETLAND OR WATERBODY SHOWN ON THIS SHEET CONTINUES. SEE ADJACENT SHEETS.  
 2. THE IMPACT TABLE SHOWS ENTIRE AREA FOR EACH WETLAND OR WATERBODY IMPACT LISTED, EVEN IF IT CONTINUES ON TO AN ADJACENT SHEET.



Tennessee Gas Pipeline Company, L.L.C. a Kinder Morgan company

Hatch Mott MacDonald  
 Drawing Date: 11/16/2015



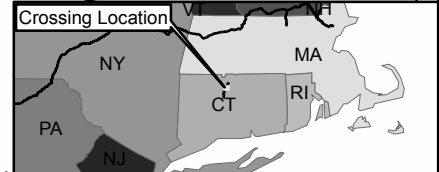
**Legend**

- ▲ WETLAND FLAG
- WATERBODY FLAG
- PROPOSED PIPELINE
- INDEX CONTOUR
- - - MINOR CONTOUR
- ▭ CONSTRUCTION WORKSPACE
- ▭ PERMANENT EASEMENT

**WETLAND / WATERBODY BOUNDARY**

- ◻ PEM
- ◻ PSS
- ◻ PFO
- ◻ OTHER WETLAND
- ▨ WATERBODY

INDEX	LATITUDE	LONGITUDE	FEATURE	FEET	CST AC	OP AC	CROSSING METHOD	TYPE	DESIG USE	WATERBODY NAME
A	41° 52' 12.816" N	72° 45' 17.369" W	BL-P-W001	0	0.01	0	N/A	PFO		
B	41° 52' 11.071" N	72° 45' 18.808" W	BL-P-W001	864	1.46	0	II	PEM		



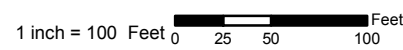
**WETLAND & WATERBODY SITE SPECIFIC DWG**  
**NED SEGMENT "S"** MP9.5 TO MP9.7  
 BL-B-S006  
 BL-B-S006A  
 BL-P-W001

**BLOOMFIELD, HARTFORD COUNTY, CT**

**TE-SEG-S-ENV-049**

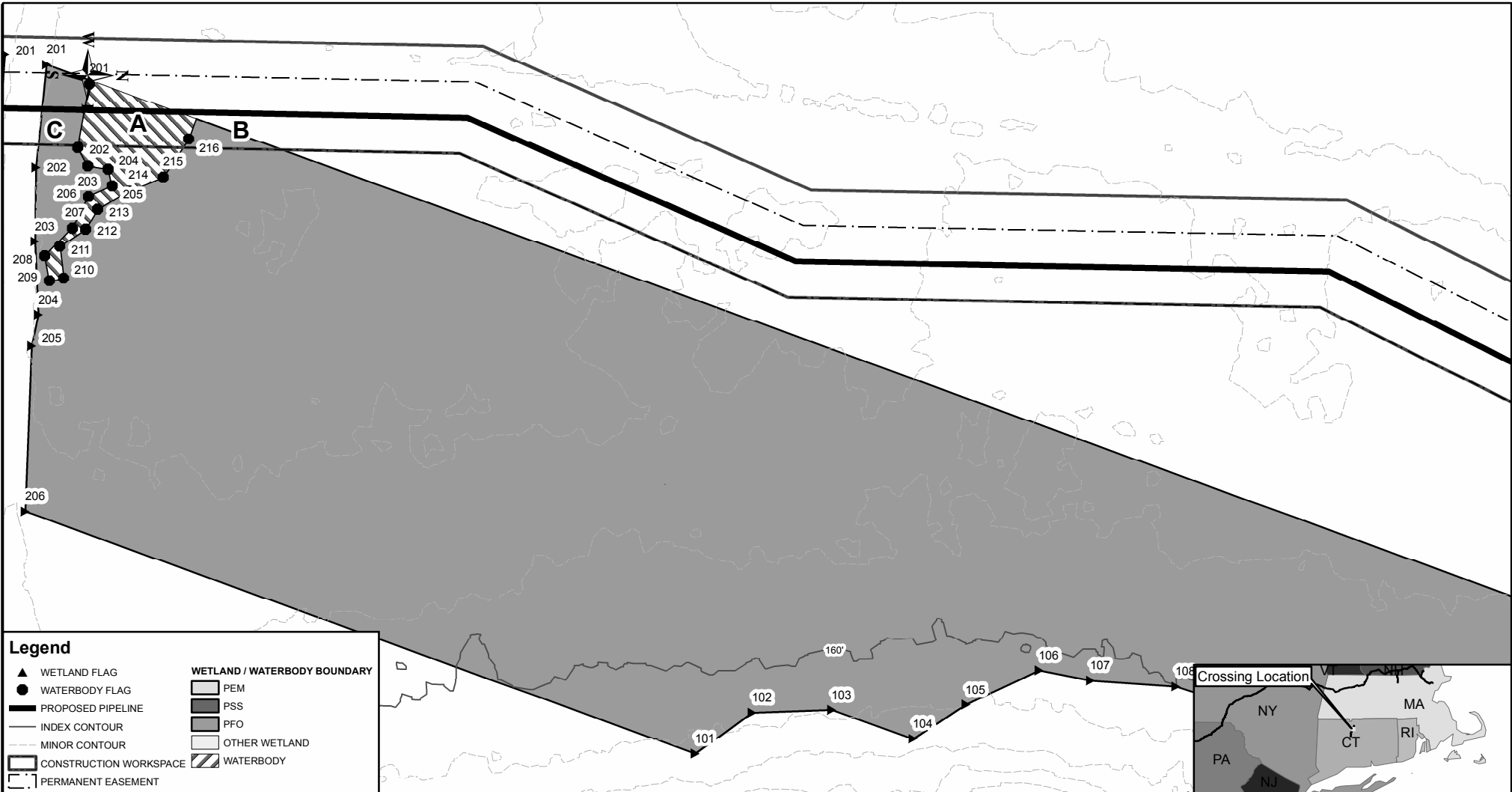
NO	DATE	BY	REVISION DESCRIPTION
1	11/13/15	HMM	ISSUED FOR PERMIT

**NOTES:** 1. THE WETLAND OR WATERBODY SHOWN ON THIS SHEET CONTINUES. SEE ADJACENT SHEETS.  
 2. THE IMPACT TABLE SHOWS ENTIRE AREA FOR EACH WETLAND OR WATERBODY IMPACT LISTED, EVEN IF IT CONTINUES ON TO AN ADJACENT SHEET.



Tennessee Gas Pipeline Company, L.L.C. a Kinder Morgan company

Hatch Mott MacDonald  
 Drawing Date: 11/16/2015



**WETLAND & WATERBODY SITE SPECIFIC DWG**  
**NED SEGMENT "S"** MP9.7 TO MP9.9  
 BL-P-S005  
 BL-P-S006  
 BL-P-W001  
 BL-P-W005

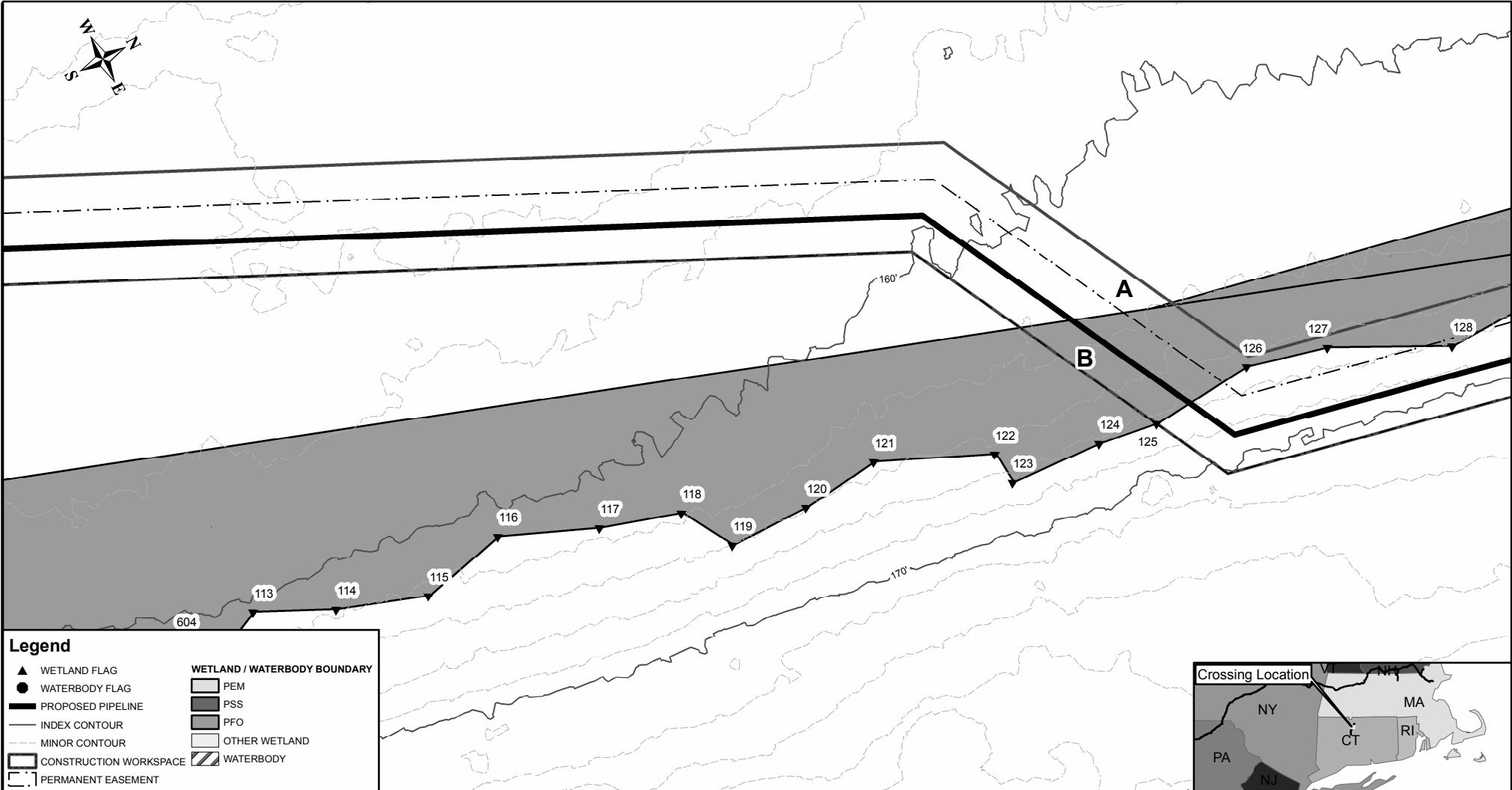
BLOOMFIELD, HARTFORD COUNTY, CT

TE-SEG-S-ENV-050

NO	DATE	BY	REVISION DESCRIPTION
1	11/13/15	HMM	ISSUED FOR PERMIT

Tennessee Gas Pipeline Company, L.L.C. a Kinder Morgan company

Hatch Mott MacDonald  
 Drawing Date: 11/16/2015

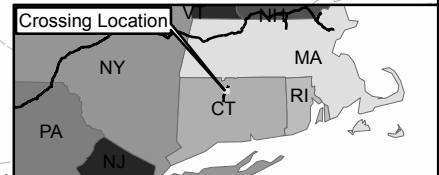


**Legend**

- ▲ WETLAND FLAG
- WATERBODY FLAG
- PROPOSED PIPELINE
- INDEX CONTOUR
- MINOR CONTOUR
- ▭ CONSTRUCTION WORKSPACE
- ▭ PERMANENT EASEMENT

**WETLAND / WATERBODY BOUNDARY**

- ◻ PEM
- ◻ PSS
- ◻ PFO
- ◻ OTHER WETLAND
- ◻ WATERBODY



INDEX	LATITUDE	LONGITUDE	FEATURE	FEET	CST AC	OP AC	CROSSING METHOD	TYPE	DESIG USE	WATERBODY NAME
A	41° 52' 35.831" N	72° 45' 8.611" W	BL-P-W005	0	0.01	0	N/A	PFO		
B	41° 52' 34.982" N	72° 45' 9.043" W	BL-P-W005	101	0.25	0.07	II	PFO		

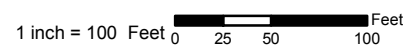
**WETLAND & WATERBODY SITE SPECIFIC DWG**  
**NED SEGMENT "S"** MP9.9 TO MP10.1  
 BL-P-S006  
 BL-P-W005

**BLOOMFIELD, HARTFORD COUNTY, CT**

**TE-SEG-S-ENV-051**

NO	DATE	BY	REVISION DESCRIPTION
1	11/13/15	HMM	ISSUED FOR PERMIT

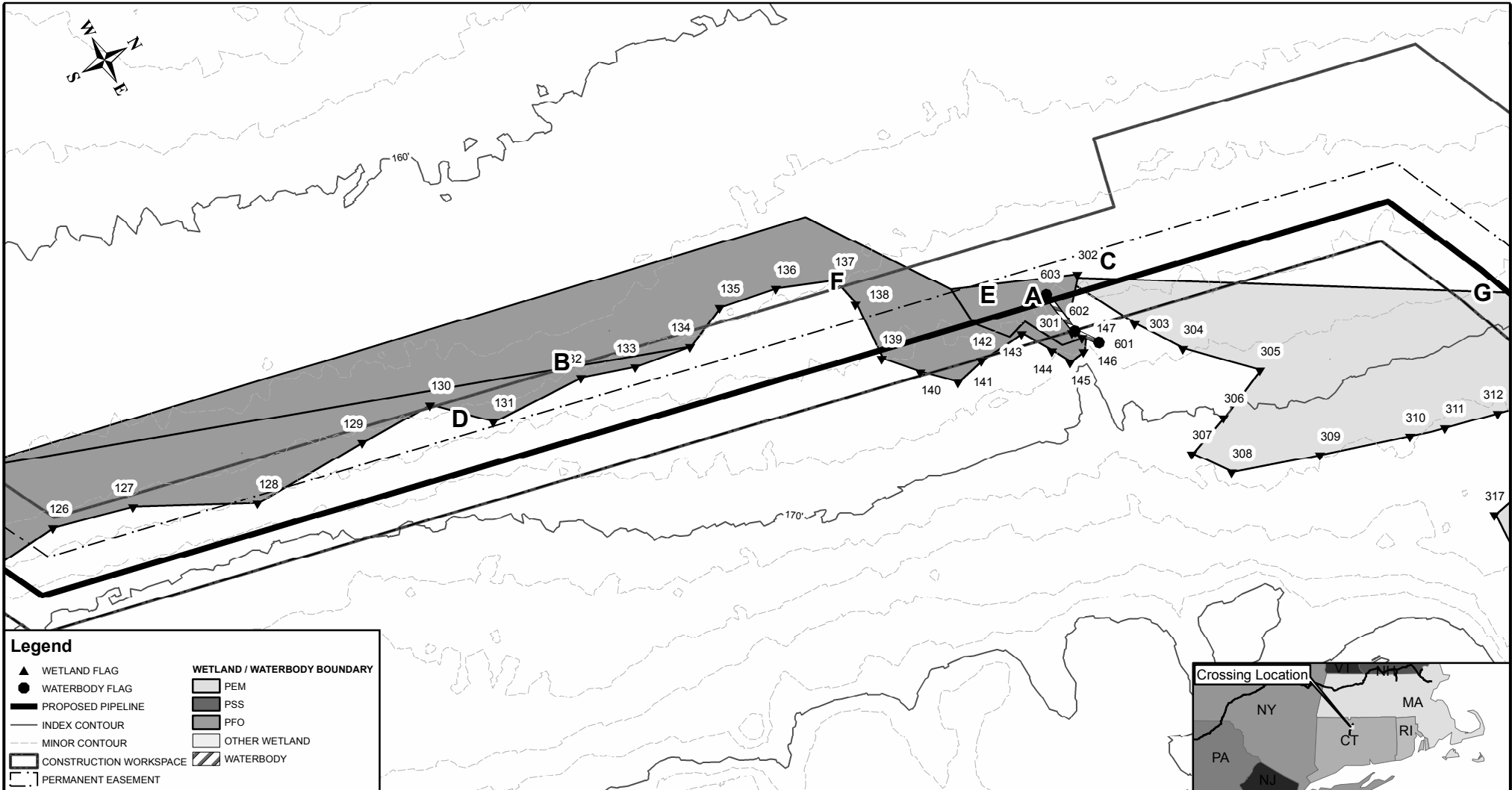
**NOTES:** 1. THE WETLAND OR WATERBODY SHOWN ON THIS SHEET CONTINUES. SEE ADJACENT SHEETS.  
 2. THE IMPACT TABLE SHOWS ENTIRE AREA FOR EACH WETLAND OR WATERBODY IMPACT LISTED, EVEN IF IT CONTINUES ON TO AN ADJACENT SHEET.



Tennessee Gas Pipeline Company, L.L.C. a Kinder Morgan company

Hatch Mott MacDonald  
 Drawing Date: 11/16/2015



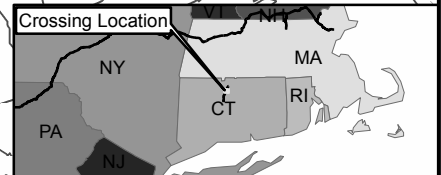


**Legend**

- ▲ WETLAND FLAG
- WATERBODY FLAG
- PROPOSED PIPELINE
- INDEX CONTOUR
- MINOR CONTOUR
- ▭ CONSTRUCTION WORKSPACE
- ▭ PERMANENT EASEMENT

**WETLAND / WATERBODY BOUNDARY**

- ◻ PEM
- ◻ PSS
- ◻ PFO
- ◻ OTHER WETLAND
- ◻ WATERBODY



INDEX	LATITUDE	LONGITUDE	FEATURE	FEET	CST AC	OP AC	CROSSING METHOD	TYPE	DESIG USE	WATERBODY NAME
A	41° 52' 42.913" N	72° 45' 4.862" W	BL-P-S007	3	0	0	II	E	A	UNT TO WASH BROOK
B	41° 52' 39.815" N	72° 45' 6.587" W	BL-P-W005	0	0.01	0	N/A	PFO		
C	41° 52' 43.130" N	72° 45' 4.854" W	BL-P-W006	29	0.04	0	II	PEM		
D	41° 52' 38.909" N	72° 45' 6.892" W	BL-P-W005	0	0.04	0	N/A	PFO		
E	41° 52' 42.375" N	72° 45' 5.410" W	BL-P-W006	70	0.06	0.04	II	PFO		
F	41° 52' 41.732" N	72° 45' 5.941" W	BL-P-W005	68	0.11	0.05	II	PFO		
G	41° 52' 45.327" N	72° 45' 3.075" W	BL-P-W006	223	0.41	0	II	PEM		

**WETLAND & WATERBODY SITE SPECIFIC DWG**  
**NED SEGMENT "S"** MP10.1 TO MP10.2  
 BL-P-S007  
 BL-P-W005  
 BL-P-W006

**NOTES:**

1. THE WETLAND OR WATERBODY SHOWN ON THIS SHEET CONTINUES. SEE ADJACENT SHEETS.
2. THE IMPACT TABLE SHOWS ENTIRE AREA FOR EACH WETLAND OR WATERBODY IMPACT LISTED, EVEN IF IT CONTINUES ON TO AN ADJACENT SHEET.

**BLOOMFIELD, HARTFORD COUNTY, CT**

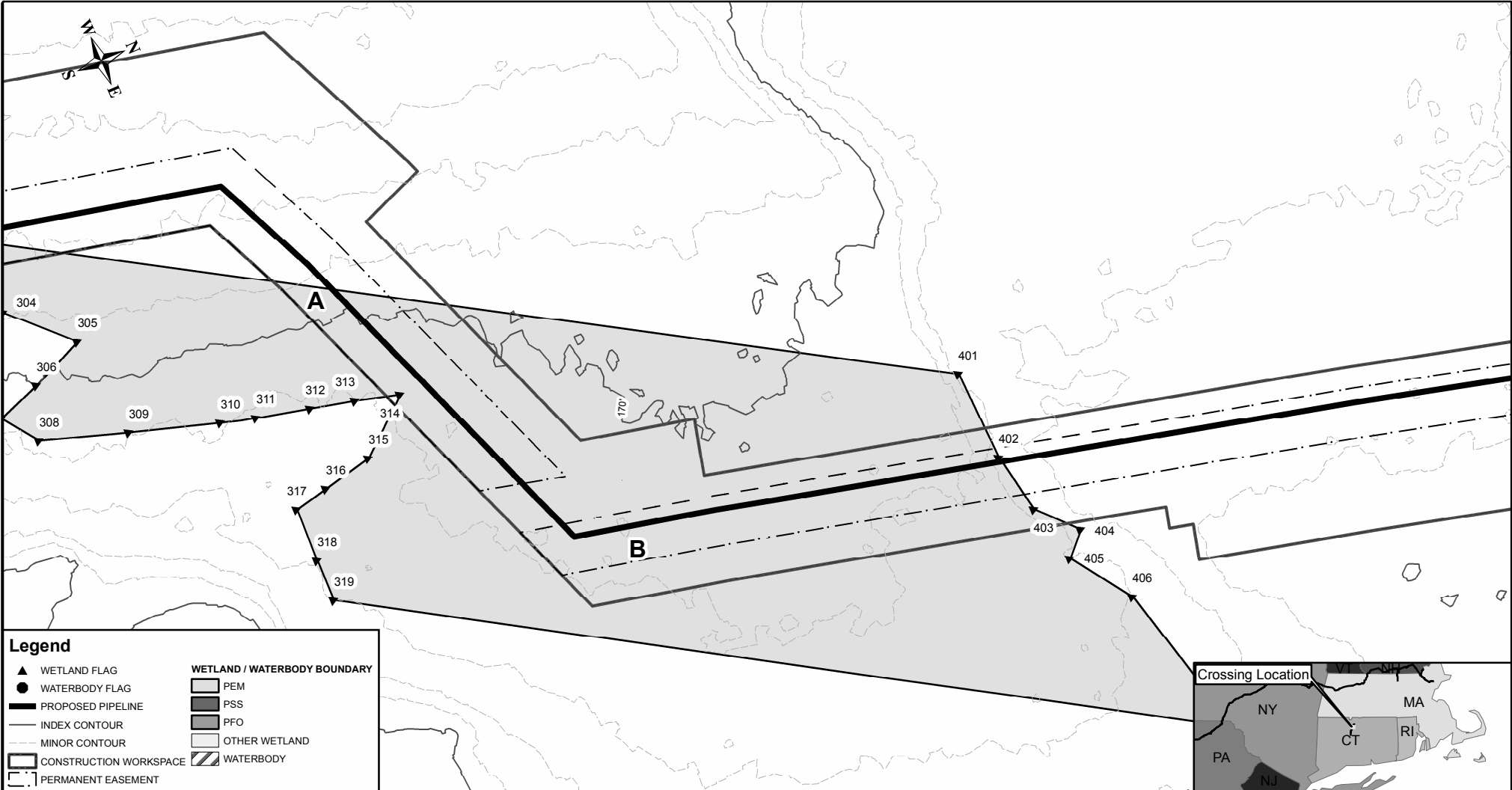
**TE-SEG-S-ENV-052**

NO	DATE	BY	REVISION DESCRIPTION
1	11/13/15	HMM	ISSUED FOR PERMIT

1 inch = 100 Feet

Tennessee Gas Pipeline Company, L.L.C. a Kinder Morgan company

Hatch Mott MacDonald  
 Drawing Date: 11/16/2015

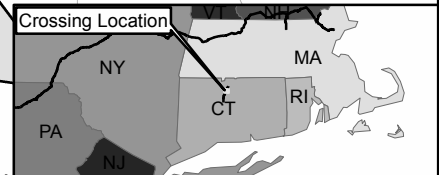


**Legend**

- ▲ WETLAND FLAG
- WATERBODY FLAG
- PROPOSED PIPELINE
- INDEX CONTOUR
- MINOR CONTOUR
- ▭ CONSTRUCTION WORKSPACE
- ▭ PERMANENT EASEMENT

**WETLAND / WATERBODY BOUNDARY**

- ▭ PEM
- ▭ PSS
- ▭ PFO
- ▭ OTHER WETLAND
- ▭ WATERBODY



INDEX	LATITUDE	LONGITUDE	FEATURE	FEET	CST AC	OP AC	CROSSING METHOD	TYPE	DESIG USE	WATERBODY NAME
A	41° 52' 45.327" N	72° 45' 3.075" W	BL-P-W006	223	0.41	0	II	PEM		
B	41° 52' 46.154" N	72° 45' 0.000" W	BL-P-W006	320	0.57	0	II	PEM		

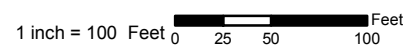
**WETLAND & WATERBODY SITE SPECIFIC DWG**  
**NED SEGMENT "S"** MP10.2 TO MP10.4  
 BL-P-W006

**BLOOMFIELD, HARTFORD COUNTY, CT**

**TE-SEG-S-ENV-053**

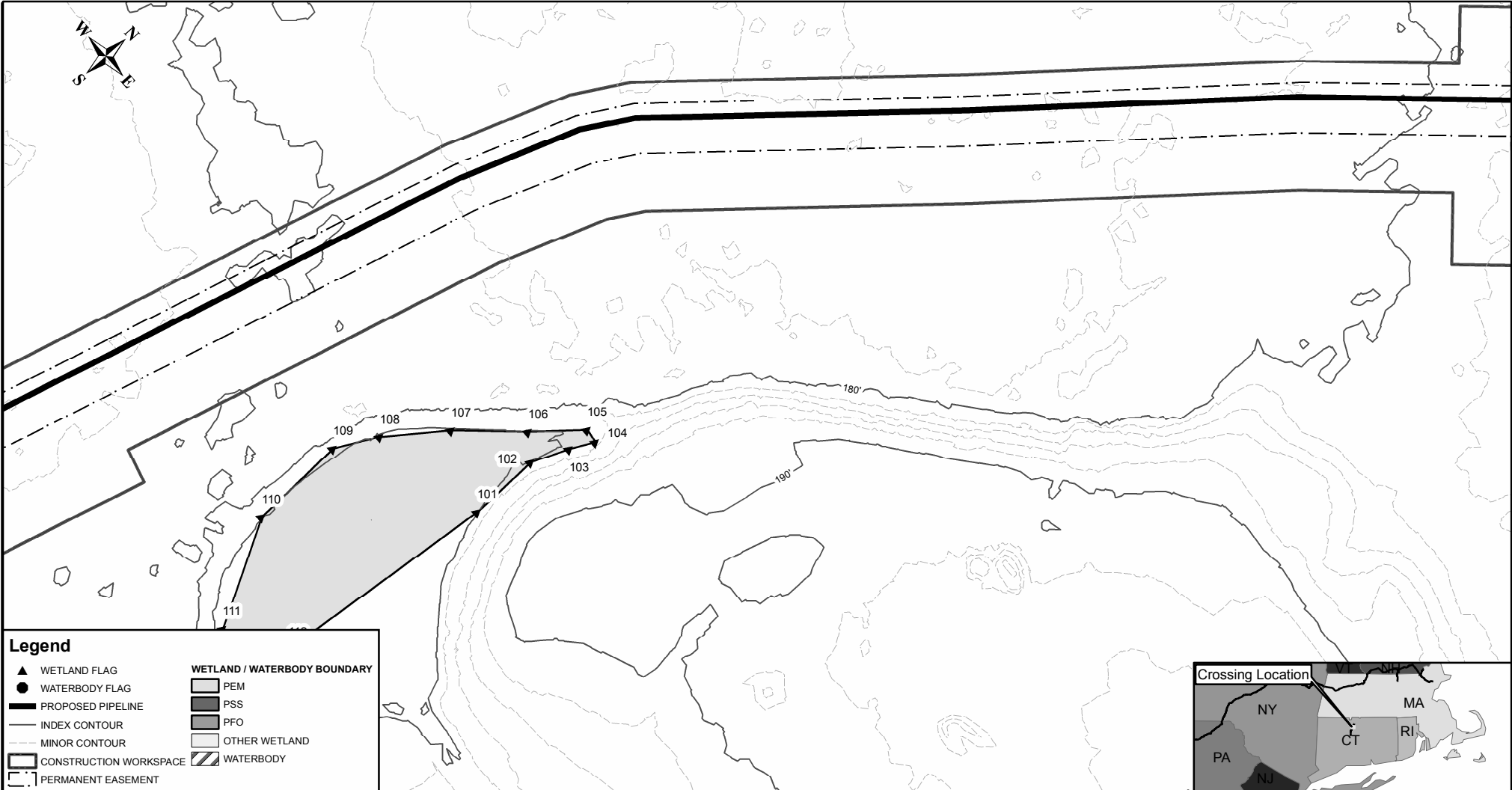
NO	DATE	BY	REVISION DESCRIPTION
1	11/13/15	HMM	ISSUED FOR PERMIT

**NOTES:** 1. THE WETLAND OR WATERBODY SHOWN ON THIS SHEET CONTINUES. SEE ADJACENT SHEETS.  
 2. THE IMPACT TABLE SHOWS ENTIRE AREA FOR EACH WETLAND OR WATERBODY IMPACT LISTED, EVEN IF IT CONTINUES ON TO AN ADJACENT SHEET.



Tennessee Gas Pipeline Company, L.L.C. a Kinder Morgan company

Hatch Mott MacDonald  
 Drawing Date: 11/16/2015



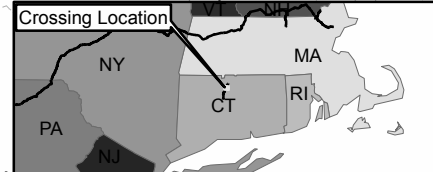
**Legend**

- ▲ WETLAND FLAG
- WATERBODY FLAG
- PROPOSED PIPELINE
- INDEX CONTOUR
- MINOR CONTOUR
- ▭ CONSTRUCTION WORKSPACE
- ▭ PERMANENT EASEMENT

**WETLAND / WATERBODY BOUNDARY**

- ▭ PEM
- ▭ PSS
- ▭ PFO
- ▭ OTHER WETLAND
- ▭ WATERBODY

**Impact Table**



**WETLAND & WATERBODY SITE SPECIFIC DWG**  
**NED SEGMENT "S" MP10.4 TO MP10.6**  
 BL-N-W001

**BLOOMFIELD, HARTFORD COUNTY, CT**

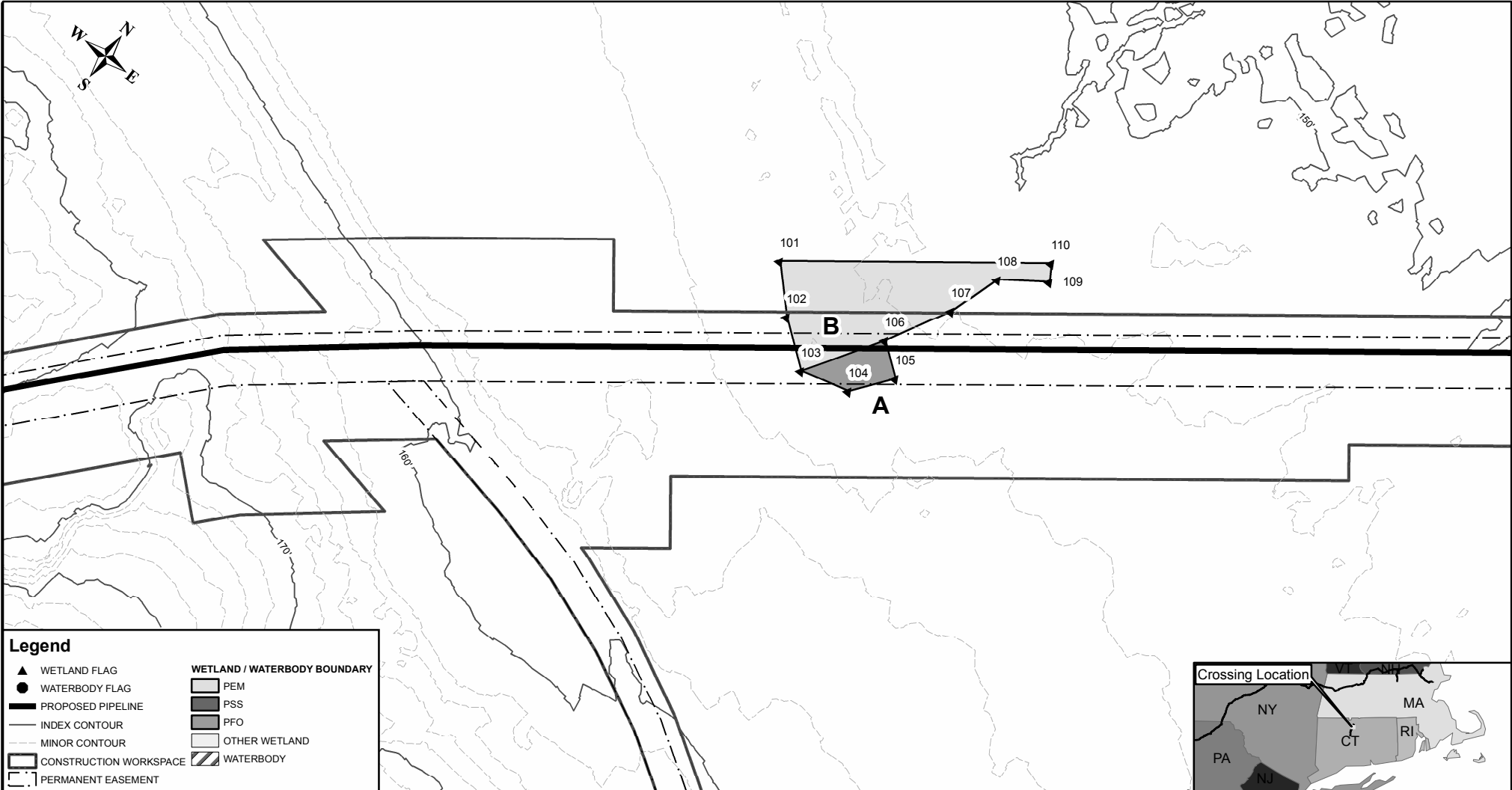
**TE-SEG-S-ENV-054**

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1 inch = 100 Feet 0 25 50 100

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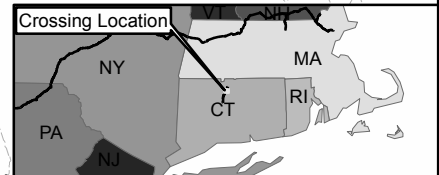


**Legend**

- ▲ WETLAND FLAG
- WATERBODY FLAG
- PROPOSED PIPELINE
- INDEX CONTOUR
- MINOR CONTOUR
- ▭ CONSTRUCTION WORKSPACE
- ▭ PERMANENT EASEMENT

**WETLAND / WATERBODY BOUNDARY**

- ▭ PEM
- ▭ PSS
- ▭ PFO
- ▭ OTHER WETLAND
- ▭ WATERBODY



Impact Table										
INDEX	LATITUDE	LONGITUDE	FEATURE	FEET	CST AC	OP AC	CROSSING METHOD	TYPE	DESIG USE	WATERBODY NAME
A	41° 53' 14.489" N	72° 44' 32.004" W	BL-N-W006	17	0.03	0.01	II	PFO		
B	41° 53' 14.754" N	72° 44' 32.433" W	BL-N-W006	47	0.05	0	II	PEM		

**WETLAND & WATERBODY SITE SPECIFIC DWG**  
**NED SEGMENT "S"** MP10.9 TO MP11.1  
 BL-N-W006

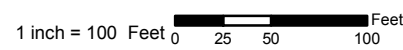
BLOOMFIELD, HARTFORD COUNTY, CT

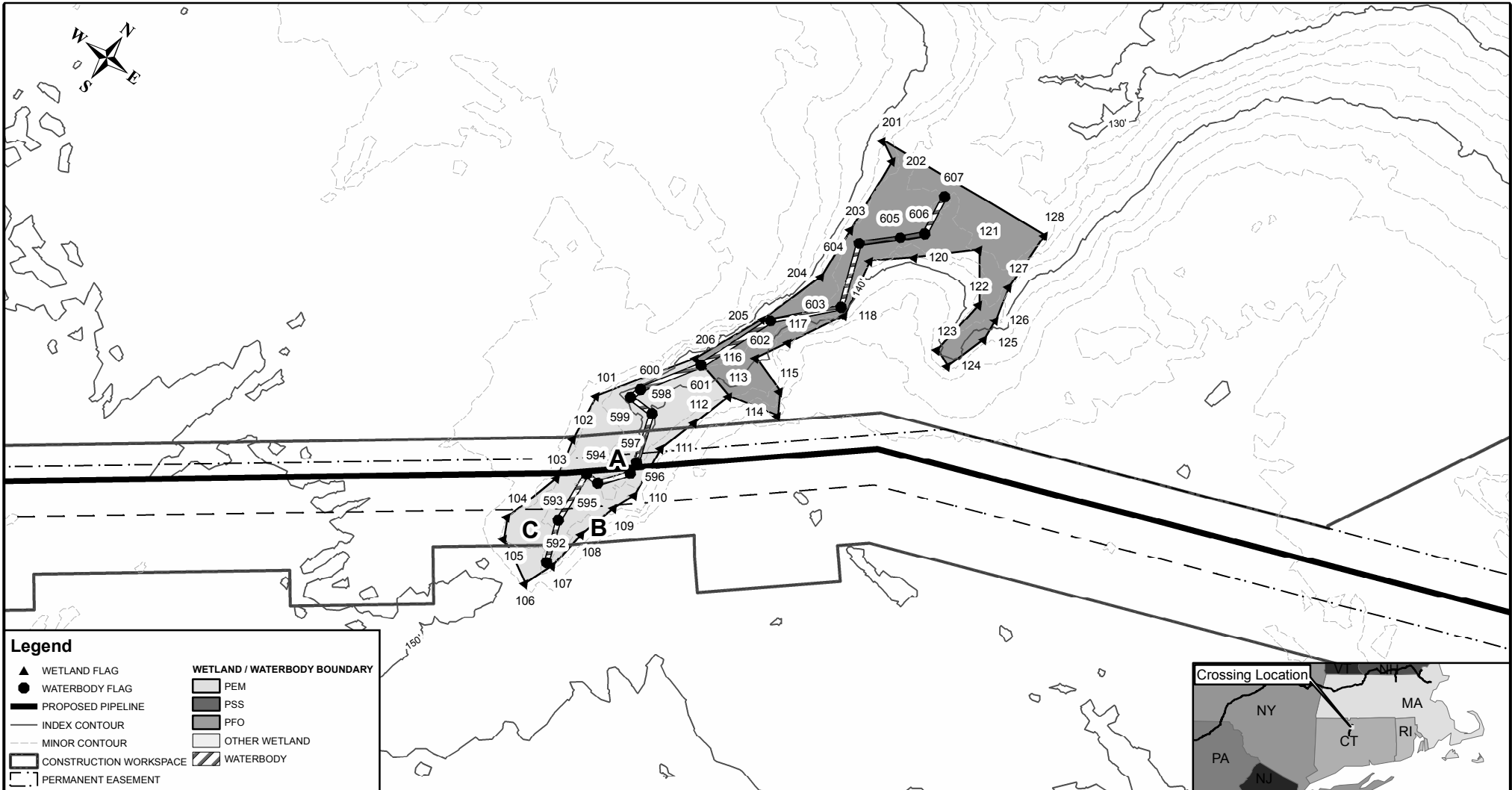
TE-SEG-S-ENV-056

NO	DATE	BY	REVISION DESCRIPTION
1	11/13/15	HMM	ISSUED FOR PERMIT

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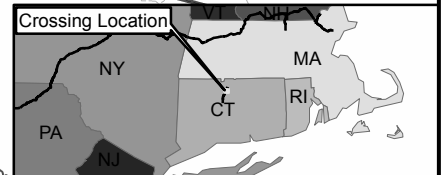
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 Drawing Date: 11/16/2015





**Legend**

▲ WETLAND FLAG	WETLAND / WATERBODY BOUNDARY
● WATERBODY FLAG	PEM
— PROPOSED PIPELINE	PSS
— INDEX CONTOUR	PFO
— MINOR CONTOUR	OTHER WETLAND
▭ CONSTRUCTION WORKSPACE	WATERBODY
▭ PERMANENT EASEMENT	



Impact Table											
INDEX	LATITUDE	LONGITUDE	FEATURE	FEET	CST AC	OP AC	CROSSING METHOD	TYPE	DESIG USE	WATERBODY NAME	
A	41° 53' 19.245" N	72° 44' 23.576" W	BL-P-S009	4	0	0	II	I	A	UNT TO FARMINGTON RIVER	
B	41° 53' 18.506" N	72° 44' 23.754" W	BL-N-W007	10	0.04	0	II	PEM			
C	41° 53' 18.351" N	72° 44' 24.165" W	BL-N-W007	50	0.06	0	II	PEM			

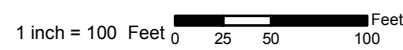
**WETLAND & WATERBODY SITE SPECIFIC DWG**  
**NED SEGMENT "S"** MP11.1 TO MP11.3  
 BL-N-W005  
 BL-N-W007  
 BL-P-S009

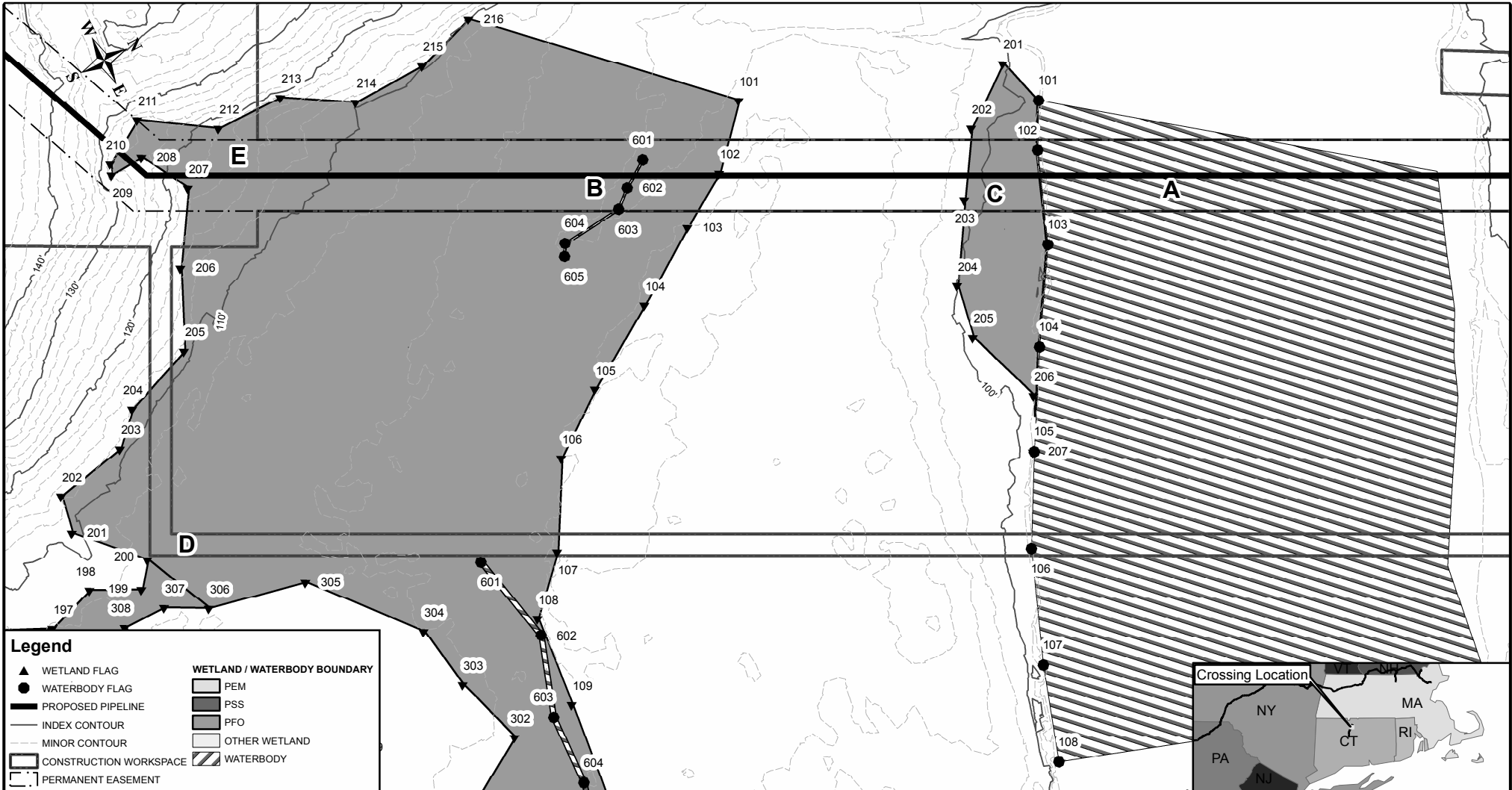
BLOOMFIELD, HARTFORD COUNTY, CT  
 WINDSOR, HARTFORD COUNTY, CT

TE-SEG-S-ENV-057

NO	DATE	BY	REVISION DESCRIPTION
1	11/13/15	HMM	ISSUED FOR PERMIT


  
 Drawing Date: 11/16/2015



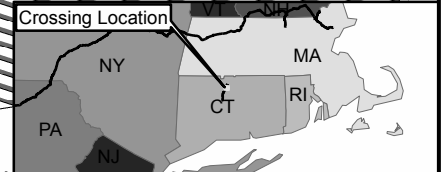


**Legend**

- ▲ WETLAND FLAG
- WATERBODY FLAG
- PROPOSED PIPELINE
- INDEX CONTOUR
- MINOR CONTOUR
- ▭ CONSTRUCTION WORKSPACE
- ▭ PERMANENT EASEMENT

**WETLAND / WATERBODY BOUNDARY**

- ▭ PEM
- ▭ PSS
- ▭ PFO
- ▭ OTHER WETLAND
- ▭ WATERBODY



Impact Table											
INDEX	LATITUDE	LONGITUDE	FEATURE	FEET	CST AC	OP AC	CROSSING METHOD	TYPE	DESIG USE	WATERBODY NAME	
A	41° 53' 27.882" N	72° 44' 9.962" W	BL-P-S008	277	0	0	IV	P	A	UNT TO FARMINGTON RIVER	
B	41° 53' 25.434" N	72° 44' 11.786" W	BL-P-S010	1	0	0	IV	P	A	UNT TO FARMINGTON RIVER	
C	41° 53' 27.306" N	72° 44' 10.013" W	BL-N-W002	50	0.06	0.03	IV	PFO			
D	41° 53' 21.250" N	72° 44' 10.895" W	BL-N-W003	0	0.14	0	N/A	PFO			
E	41° 53' 22.641" N	72° 44' 14.454" W	BL-N-W003	394	0.5	0.27	IV	PFO			

**WETLAND & WATERBODY SITE SPECIFIC DWG**  
**NED SEGMENT "S" MP11.3 TO MP11.5**  
 BL-N-W002  
 BL-N-W003  
 BL-P-S008  
 BL-P-S010  
 BL-P-S010A

WINDSOR, HARTFORD COUNTY, CT

TE-SEG-S-ENV-058

NO	DATE	BY	REVISION DESCRIPTION
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Tennessee Gas Pipeline Company, L.L.C. a Kinder Morgan company

Hatch Mott MacDonald  
 Drawing Date: 11/16/2015

