

DELAWARE COUNTY, NEW YORK
TOWN OF HARPERSFIELD

STA. 4847+00 MATCH LINE SEE SHEET 93

WATERBODY DE-1G-S006
WATERBODY DE-XX-S91.82
50'x100' ATWS 432 (WATERBODY CROSSING)
50'x100' ATWS 433 (WATERBODY CROSSING)
WETLAND DE-1G-W017
50'x100' ATWS 434 (WETLAND CROSSING)
50'x100' ATWS 435 (WETLAND CROSSING)
50'x150' ATWS 436 (WATERBODY/WETLAND CROSSING)
WETLAND DE-1C-W342
WETLAND DE-1C-W343
WETLAND DE-1C-W344
WATERBODY DE-1G-S005A
WETLAND DE-1N-W012
50'x150' ATWS 437 (WETLAND CROSSING)
PROPOSED 30" CONSTITUTION PIPELINE
TYPICAL 110' CONSTRUCTION CORRIDOR
LIMITS OF CULTURAL RESOURCE & BIOLOGICAL SURVEYS
220'x300' ATWS 438 SPREAD BREAK
TREE DO NOT DISTURB
TEMPORARY ACCESS ROAD TAR-4
MASON ROAD

STA. 4900+00 MATCH LINE SEE SHEET 95

5300'

1

UF WB IR PFO IR PFO WB IR PFO IR UF OL UF AG UF

1 2 3 4 5 6 7 8 19 29 29A 32 33 34 35 37 40 58 73 3 12 13 14 18 19 29 34 37 40 46 58A 90 91 3 12 13 14 18 19 29 29A 32 33 34 35 37 40 58 73 3 12 13 14 18 19 29 34 37 40 46 58A 90 91

GENERAL E & S FIGURES
18 19 28 29 29A 30 31 37 59 74 75 76 77 86

DEPTH OF COVER
3' 5' 3' 4' 3' 4' 5' 3' 4' 3' 4' 3' 4' 3'

SOIL TYPE
OnA WhB HcC MnB MnD WhB WhC MnC VID

PROFILE
VERTICAL SCALE IN FEET
0 100 200
1750 1800 1850 1900 1950 2000 2050 2100

GENERAL NOTES
1. THE BEST MANAGEMENT PRACTICE (BMP) NUMBERS NOTED ABOVE CORRESPOND TO SPECIFIC DETAILS FOUND ON THE BEST MANAGEMENT PRACTICE DETAIL SHEETS. THE BMP DETAILS INCLUDE GENERAL LAYOUT, LOCATION, DIMENSIONS, CONSTRUCTION NOTES, MATERIALS, ETC. THAT SHOULD BE FOLLOWED DURING CONSTRUCTION OF THE PIPELINE.
2. THE APPROXIMATE LOCATION AND TYPE OF SEDIMENT BARRIERS TO BE INSTALLED ALONG THE CONSTRUCTION WORKSPACE ARE LOCATED IN TABLES ON THE BEST MANAGEMENT PRACTICE DETAIL SHEETS. THE ACTUAL LOCATION SHALL BE DETERMINED IN THE FIELD BY THE ENVIRONMENTAL INSPECTOR AND CONTRACTOR.
3. TEMPORARY AND PERMANENT SLOPE BREAKER SPACING IS THE SAME. SLOPE BREAKERS SHALL BE MAINTAINED IN PLACE AT ALL TIMES.

PERMANENT TRENCH BREAKER (ARROW INDICATES PLAN VIEW FLOW DIRECTION)

PERMANENT TRENCH BREAKER SPACING IN AGRICULTURAL LAND
SLOPE (%) SPACING (FT)
AS REQ.
SLOPE (%) SPACING (FT)
AS REQ.

PERMANENT TRENCH / SLOPE BREAKER SPACING
SLOPE (%) SPACING (FT)
AS REQ.
SLOPE (%) SPACING (FT)
AS REQ.

WORKSPACE SCHEMATIC
STA. 4847+00 MATCH LINE
STA. 4900+00 MATCH LINE

ITEM NO. DESCRIPTION QTY. ITEM NO. DESCRIPTION QTY.

SOIL LEGEND
HcC - Halcott, Mongaup and Vly soils
MnB - Mongaup channel loam
MnC - Mongaup channel loam
MnD - Mongaup channel loam
OnA - Ontusio channel silt loam
VID - Vly channel silt loam
WhB - Wildin channel silt loam
WhC - Wildin channel silt loam

LAND USE LEGEND
1. AGRICULTURAL LAND (AG)
2. INDUSTRIAL (ID)
3. COMMERCIAL (CM)
4. RESIDENTIAL (RE)
5. ROADS (RD)
6. OPEN WATER (OW)
7. SAND/GRAVEL PITS OR QUARRIES (SQ)
8. OPEN LAND (EXISTING ROW, OPEN FIELDS, NON-AGRICULTURE) (OL)
9. SPECIAL USE (PARKS, GOLF COURSES, MUNICIPAL LAND, ETC.) (SP)
10. FORESTED WETLANDS (PFO)
11. SCRUB-SHRUB WETLANDS (PSS)
12. EMERGENT WETLANDS (PEM)
13. WATERBODY (WB)
14. UPLAND FOREST (UF)
15. INTERIOR FOREST (IF)

DRAWING NO. 26-27-70/001 THRU 26-27-70/022
REFERENCE TITLE TYPICAL RIGHT-OF-WAY CROSS SECTIONS
CONSTITUTION PIPELINE COMPANY, LLC
SOIL EROSION AND SEDIMENT CONTROL PLAN
FERC ALIGNMENT SHEETS
PROPOSED 30" NATURAL GAS PIPELINE
STA. 4847+00 TO STA. 4900+00
DELAWARE COUNTY, NEW YORK

NO. DATE BY REVISION DESCRIPTION W.D. NO. CHK. APP.
3 07/24/13 GIE ISSUED FOR SUPPLEMENTAL FERC #1 ER 1110415 JRL TK
4 10/07/13 GIE ISSUED FOR BID #1 1110415 JRL TK
5 11/08/13 GIE ISSUED FOR SUPPLEMENTAL FERC #2 ER 1110415 JRL TK
6 06/02/14 GIE ISSUED FOR SUPPLEMENTAL FERC #3 ER 1110415 JRL TK
7B 07/14/14 GIE ISSUED FOR SUPPLEMENTAL FERC #4 ER/IFB #3 1110415 JRL TK

DRAWN BY: GIE DATE: 09/26/12 ISSUED FOR BID: SCALE: 1" = 200'
CHECKED BY: GIE DATE: 09/27/12 ISSUED FOR CONSTRUCTION:
APPROVED BY: DATE: DRAWING NUMBER: 26-03-70/0001 SHEET 94 OF 126

DELAWARE & SCHOHARIE COUNTIES, NEW YORK
TOWNS OF HARPERSFIELD & SUMMIT

PROPOSED 30" CONSTITUTION PIPELINE

WETLAND CROSSINGS:
 - 50'x150' ATWS 439 (WETLAND CROSSING)
 - 50'x100' ATWS 439A (WETLAND CROSSING)
 - 50'x44' ATWS 440 (WETLAND CROSSING)

WATERBODY CROSSINGS:
 - WATERBODY DE-1S-S112
 - WETLAND DE-1Q-W142
 - WETLAND DE-1G-W143
 - WATERBODY DE-1G-S140

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 3. TEMPORARY AND PERMANENT SLOPE BREAKER SPACING IS THE SAME. SLOPE BREAKERS SHALL BE MAINTAINED IN PLACE AT ALL TIMES.

| ITEM NO. | DESCRIPTION | QTY. | ITEM NO. | DESCRIPTION | QTY. |
|----------|--|-------|----------|-------------------------------------|------|
| 1 | PIPE, 30" OD, 0.529" WT., X-70, w/15-17 MILS FBE EXTERNAL COATING AND 1.5 MILS INTERNAL COATING | 5160' | 1 | Bath channery silt loam | |
| 2 | PIPE, 30" OD, 0.562" WT., X-70, w/15-17 MILS FBE EXTERNAL COATING AND 1.5 MILS INTERNAL COATING | 0' | 2 | Cottaraugus stony silt loam | |
| 3 | PIPE, 30" OD, 0.635" WT., X-70, w/15-17 MILS FBE EXTERNAL COATING AND 1.5 MILS INTERNAL COATING | 0' | 3 | Culvers stony silt loam | |
| 4 | PIPE, 30" OD, 0.635" WT., X-70, w/10 MILS FBE EXTERNAL COATING AND 1.5 MILS INTERNAL COATING AND 40 MILS ARO COATING | 40' | 4 | Halcott, Mongaup and Vly soils | |
| 5 | PIPE, 30" OD, 0.529" WT., X-70, w/15-17 MILS FBE EXTERNAL COATING AND 1.5 MILS INTERNAL COATING AND WEIGHT COATING | 0' | 5 | Halcott, Mongaup and Vly soils | |
| 6 | PIPE, 30" OD, 0.562" WT., X-70, w/15-17 MILS FBE EXTERNAL COATING AND 1.5 MILS INTERNAL COATING AND WEIGHT COATING | 0' | 6 | Mardin and Culvers very stony soils | |
| 7 | PIPE, 30" OD, 0.635" WT., X-70, w/15-17 MILS FBE EXTERNAL COATING AND 1.5 MILS INTERNAL COATING AND WEIGHT COATING | 0' | 7 | Vly channery silt loam | |
| 8 | PIPE, 30" OD, 0.750" WT., X-70, w/10 MILS FBE EXTERNAL COATING AND 1.5 MILS INTERNAL COATING AND 40 MILS ARO COATING | 0' | 8 | Vly channery silt loam | |

SOIL LEGEND:
 BiE - Bath channery silt loam
 CoD - Cottaraugus stony silt loam
 CuC - Culvers stony silt loam
 HcC - Halcott, Mongaup and Vly soils
 MeE - Mardin and Culvers very stony soils
 ViD - Vly channery silt loam
 WhB - Willard channery silt loam

LAND USE LEGEND:
 1. AGRICULTURAL LAND (AG)
 2. INDUSTRIAL (ID)
 3. COMMERCIAL (CM)
 4. RESIDENTIAL (RE)
 5. ROADS (RD)
 6. OPEN WATER (OW)
 7. SAND/GRAVEL PITTS OR QUARRIES (SG)
 8. OPEN LAND (EXISTING ROW, OPEN FIELDS, NON-AGRICULTURE) (OL)
 9. SPECIAL USE (PARKS, GOLF COURSES, MUNICIPAL LAND, ETC.) (SP)
 10. FORESTED WETLANDS (PFO)
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 12. EMERGENT WETLANDS (PEM)
 13. WATERBODY (WB)
 14. UPLAND FOREST (UF)
 15. INTERIOR FOREST (IF)

DRAWING NO.: 26-27-70/001 THRU 26-27-70/022
REFERENCE TITLE: TYPICAL RIGHT-OF-WAY CROSS SECTIONS

CONSTITUTION PIPELINE COMPANY, LLC
SOIL EROSION AND SEDIMENT CONTROL PLAN
FERC ALIGNMENT SHEETS
PROPOSED 30" NATURAL GAS PIPELINE
STA. 4900+00 TO STA. 4952+00
DELAWARE & SCHOHARIE COUNTIES, NEW YORK

SHEET 95 OF 126





