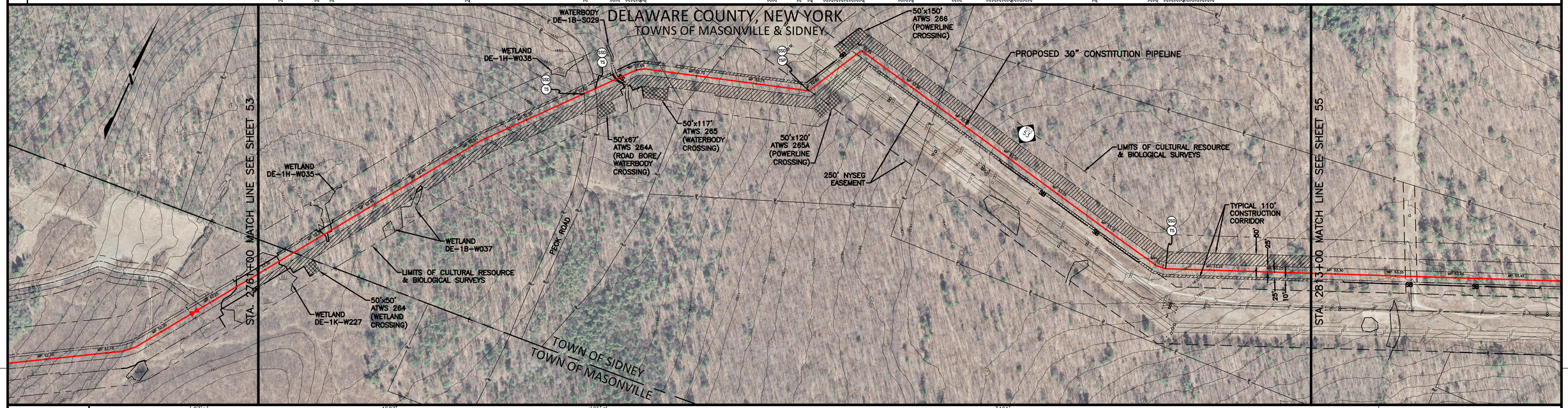
LINE LIST

NY-DE-008.000 | NY-DE-009.000 | PECK ROAD | NY-DE-009.000 | NY-DE-010.000 | NY-DE-011.000 | NY-DE-010.000 | NY-DE-012.000

2761+00 | 2762+89 | 2777+41 | 2777+94 | 2778+81 | 2781+12 | 2782+93 | 2794+54 | 2813+00

PIPELINE STATIONING

2762+16 EXIT WETLAND DE-1K-W227
2764+44 ENTER WETLAND DE-1H-W035
2764+83 EXIT WETLAND DE-1H-W035
2772+49 P.I. 6°30'00" RT.
2778+06 ℄ DIRT AND ROCK FARM ROAD
2778+37 TOE OF SLOPE
2778+87 EXIT WATERBODY DE-1B-S029
2779+06 EXIT WATERBODY DE-1B-S029
2779+31 TOP OF SLOPE
2780+88 P.I. 18°00'00" RT.
2783+15 P.I. 8°00'00" LT.
2786+39 PP. 169' LT.
2786+49 PP. 185' LT.
2787+13 ℄ DIRT TRAIL
2787+53 P.I. 45°00'00" LT.
2788+44 UTILITY POWER LINE
2788+61 UTILITY POWER LINE
2788+79 UTILITY POWER LINE
2789+27 UTILITY POWER LINE
2789+38 UTILITY POWER LINE
2789+48 UTILITY POWER LINE
2790+42 P.I. 73°27'30" RT.
2792+68 PP. 107' RT.
2792+78 PP. 92' RT.
2792+89 PP. 106' RT.
2793+69 P.I. 22°00'00" RT.
2795+53 PP. 183' RT.
2795+63 PP. 164' RT.
2797+41 GUY. 105' RT.
2797+46 GUY. 94' RT.
2798+01 GUY. 105' RT.
2798+21 GUY. 94' RT.
2798+56 GUY. 94' RT.
2799+07 GUY. 105' RT.
2803+38 P.I. 67°27'30" LT.
2806+52 ℄ GRASS TRAIL
2806+61 P.I. 18°36'06" LT.
2806+81 GUY. 151' RT.
2806+91 GUY. 151' RT.
2806+91 GUY. 173' RT.
2806+91 GUY. 173' RT.
2806+91 GUY. 211' RT.
2806+91 GUY. 211' RT.
2806+95 GUY. 207' RT.
2807+23 GUY. 197' RT.
2807+29 GUY. 173' RT.
2807+37 GUY. 167' RT.



MATERIAL

5 (87') 2761+87 | 1 (1587') | 4 (65') 2777+24 – 2778+30 | 1 (3461')

2770+20 BEGIN ZINC RIBBON | END ZINC RIBBON | BEGIN ZINC RIBBON | 2787+53 I-45°-R | 2789+42 I-73°-R

CLASS LOCATION: 1

LAND USE: PSS | UF | IR | PEM | IR | UF | RD | UF | WB | UF | IR | UF | OL | UF

ENVIRONMENTAL SITE SPECIFIC E & S

3 12 13 14 18 19 28 34 37 40 46 58A 90 91
3 12 13 14 18 19 28 34 37 40 46 58A 90 91
3 12 13 14 18 19 28 34 37 40 46 58A 90 91
15A 44 45
2A 5 6 7 18 19 29 29A 32 33 34 35 37 40 58 73

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

DEPTH OF COVER: 4' | 3' | 4' | 3' | 5' | 3' | 5' | 3' | 4' | 3'

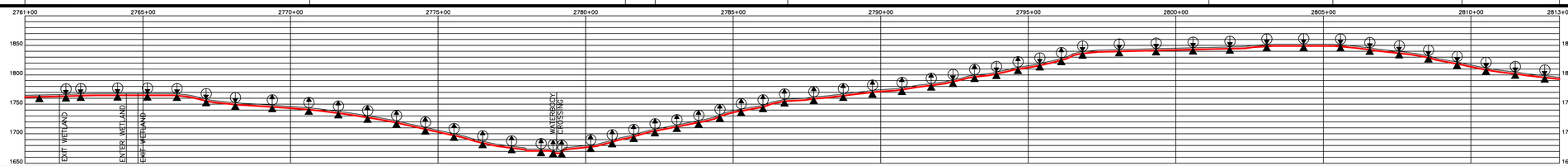
SOIL TYPE: MnB | MdC | MnD | MdC | MnC | MnD | MnC | MnB

PROFILE

VERTICAL SCALE IN FEET: 0 100 200

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.



THE LOCATIONS OF TRENCH BREAKERS AND SLOPE BREAKERS SHOWN ON THE PROFILE SHALL BE USED AS A GUIDELINE ONLY. THE ACTUAL LOCATION OF THE BREAKERS SHALL BE DETERMINED IN THE FIELD BASED ON FIELD CONDITIONS BY THE ENVIRONMENTAL INSPECTOR AND CONTRACTOR.

PERMANENT SLOPE BREAKERS (ARROW INDICATES PLAN VIEW FLOW DIRECTION)

PERMANENT TRENCH BREAKER

*AT A MINIMUM, TRENCH BREAKERS AND SLOPE BREAKERS SHALL BE LOCATED WITHIN 50 FT. OF THE EDGE (BOTH SIDES) OF WETLANDS AND WATERBODIES. ACTUAL LOCATION SHALL BE DETERMINED BY THE ENVIRONMENTAL INSPECTOR AND CONTRACTOR.

PERMANENT TRENCH BREAKER SPACING IN AGRICULTURAL LAND

SLOPE (%)	SPACING (FT)
<5	AS REQ.
5–10	150
>10–15	100
>15–20	80
>20–30	70
>30–40	50
>40–100	40
>100	25

PERMANENT TRENCH / SLOPE BREAKER SPACING

SLOPE (%)	SPACING (FT)
<5	125
5–10	100
>10–20	75
>20–35	50
>35	25

AVERAGE % SLOPE: 2% | 0% | 9% | 4% | 9% | 0% | 2% | 4% | 5% | 12% | 13% | 5% | 11% | 2% | 4% | 0% | 7%

WORKSPACE SCHEMATIC

STA. 2761+00 MATCH LINE

127' | 201' | 78' | 1375' | 192' | 799' | 150' | 2190'

25' 35' 25' 35' 25' 5.3' 35' 35' 65' 75'

LIMITS OF DISTURBANCE
℄ PROPOSED 30" CONSTITUTION PIPELINE
LIMITS OF DISTURBANCE

50' 75' 125' 65' 50' 65' 75' 125' 75' 125' 65' 75' 125' 75' 35'

50' 143' 55' 507' 75' 474' 344' 67' 56' 65' 117' 205' 405' 120' 187' 2272'

PECK ROAD

STA. 2813+00 MATCH LINE

MATERIAL SUMMARY

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	5048'
2	PIPE, 30" OD, 0.562" WT., X-70, w/15-17 MILS FBE EXTERNAL COATING AND 1.5 MILS INTERNAL COATING	0'
3	PIPE, 30" OD, 0.635" WT., X-70, w/15-17 MILS FBE EXTERNAL COATING AND 1.5 MILS INTERNAL COATING	0'
4	PIPE, 30" OD, 0.635" WT., X-70, w/10 MILS FBE EXTERNAL COATING AND 40 MILS ARO COATING	65'
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	87'
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'
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'
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'

SOIL LEGEND

MdC – Mardin channery silt loam
MnB – Mongaup channery loam
MnC – Mongaup channery loam
MnD – Mongaup channery 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 (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)
11. SCRUB-SHRUB WETLANDS (PSS)
12. EMERGENT WETLANDS (PEM)
13. WATERBODY (WB)
14. UPLAND FOREST (UF)
15. INTERIOR FOREST (IR)

0 200 400 600
SCALE IN FEET

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

DRAWING NO.	REFERENCE TITLE
26-27-70/001 THRU 26-27-70/022 26-07-85/NY-DE-009.004-1-B	TYPICAL RIGHT-OF-WAY CROSS SECTIONS PECK ROAD

NO.	DATE	BY	REVISION DESCRIPTION	W.O. 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

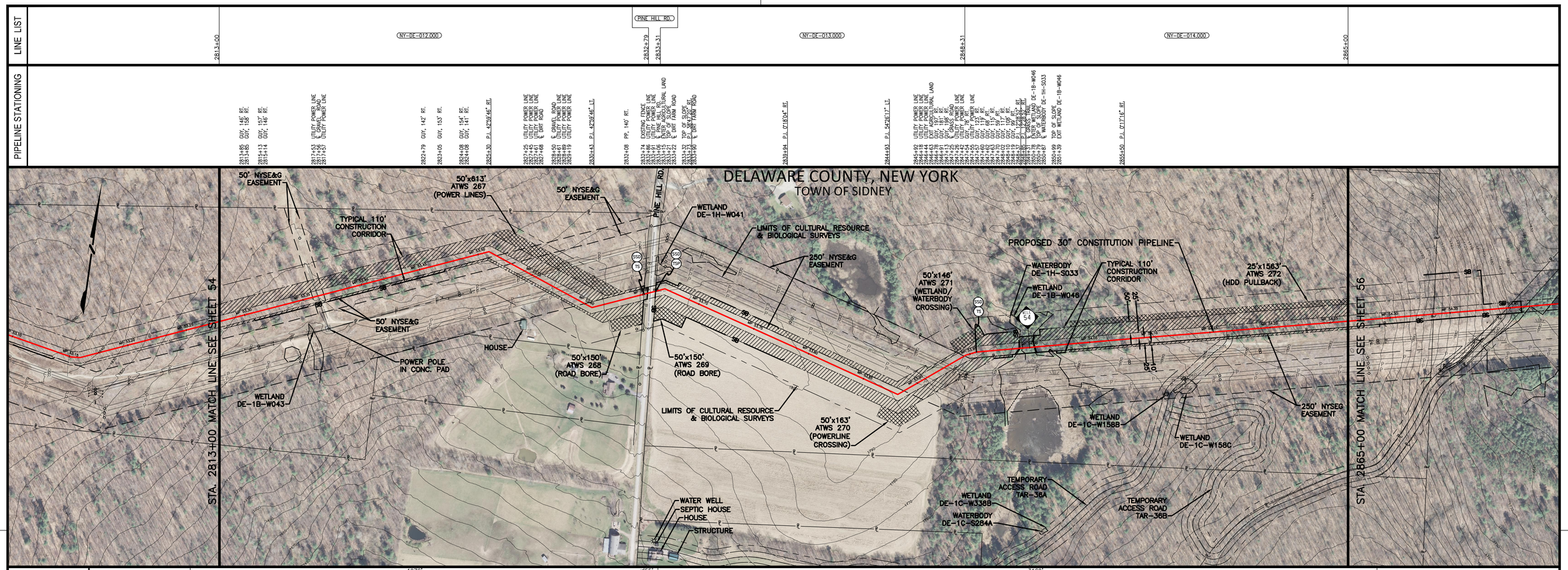
CONSTITUTION PIPELINE COMPANY, LLC
SOIL EROSION AND SEDIMENT CONTROL PLAN
FERC ALIGNMENT SHEETS
PROPOSED 30" NATURAL GAS PIPELINE
STA. 2761+00 TO STA. 2813+00
DELAWARE COUNTY, NEW YORK

CONSTITUTION PIPELINE

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 54 OF 126
W.O.: 1110415			

LINE LIST

PIPELINE STATIONING



MATERIAL

CLASS LOCATION

LAND USE

ENVIRONMENTAL SITE SPECIFIC E & S

DEPTH OF COVER

SOIL TYPE

GENERAL E & S FIGURES

18	19	28	29	29A	30	31
37	59	74	75	76	77	86

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.

PROFILE — VERTICAL SCALE IN FEET

AVERAGE % SLOPE

THE LOCATIONS OF TRENCH BREAKERS AND SLOPE BREAKERS SHOWN ON THE PROFILE SHALL BE USED AS A GUIDELINE ONLY. THE ACTUAL LOCATION OF THE BREAKERS SHALL BE DETERMINED IN THE FIELD BASED ON FIELD CONDITIONS, BY THE ENVIRONMENTAL INSPECTOR AND CONTRACTOR.

PERMANENT SLOPE BREAKERS (ARROW INDICATES PLAN VIEW FLOW DIRECTION)

PERMANENT TRENCH BREAKER

NOT A MINIMUM. TRENCH BREAKERS AND SLOPE BREAKERS SHALL BE LOCATED WITHIN 50 FT. OF THE EDGE (BOTH SIDES) OF WETLANDS AND WATERBODIES. ACTUAL LOCATION SHALL BE DETERMINED BY THE ENVIRONMENTAL INSPECTOR AND CONTRACTOR.

PERMANENT TRENCH BREAKER SPACING IN AGRICULTURAL LAND	
SLOPE (%)	SPACING (FT)
<5	AS REQ.
5–10	150
>10–15	100
>15–20	80
>20–30	70
>30–40	50
>40–100	40
>100	25

PERMANENT TRENCH / SLOPE BREAKER SPACING	
SLOPE (%)	SPACING (FT)
<5	125
5–10	100
>10–20	75
>20–35	50
>35	25

WORKSPACE SCHEMATIC

MATERIAL SUMMARY

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	5145'			
2	PIPE, 30" OD, 0.562" WT., X-70, w/15-17 MILS FBE EXTERNAL COATING AND 1.5 MILS INTERNAL COATING	0'			
3	PIPE, 30" OD, 0.635" WT., X-70, w/15-17 MILS FBE EXTERNAL COATING AND 1.5 MILS INTERNAL COATING	0'			
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	55'			
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'			
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'			
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'			
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'			

SOIL LEGEND

HcC – Halcott, Mongaup and Vly soils
MnB – Mongaup channery loam
MnC – Mongaup channery loam
MnD – Mongaup channery loam
OnB – Ontusia channery silt loam
Sa – Saprists and Aquents
WhB – Willdin channery silt loam
WhC – Willdin 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 PITS 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)
11. SCRUB-SHRUB WETLANDS (PSS)
12. EMERGENT WETLANDS (PEM)
13. WATERBODY (WB)
14. UPLAND FOREST (UF)
15. INTERIOR FOREST (IR)

0 200 400 600
SCALE IN FEET

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

DRAWING NO.	REFERENCE TITLE
26–27–70/001 THRU 26–27–70/022 26–07–85/NY–DE–012.011–1–B	TYPICAL RIGHT–OF–WAY CROSS SECTIONS PINE HILL ROAD

NO.	DATE	BY	REVISION DESCRIPTION	W.O. 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

CONSTITUTION PIPELINE COMPANY, LLC
SOIL EROSION AND SEDIMENT CONTROL PLAN
FERC ALIGNMENT SHEETS
PROPOSED 30" NATURAL GAS PIPELINE
STA. 2813+00 TO STA. 2865+00
DELAWARE COUNTY, NEW YORK

CONSTITUTION PIPELINE

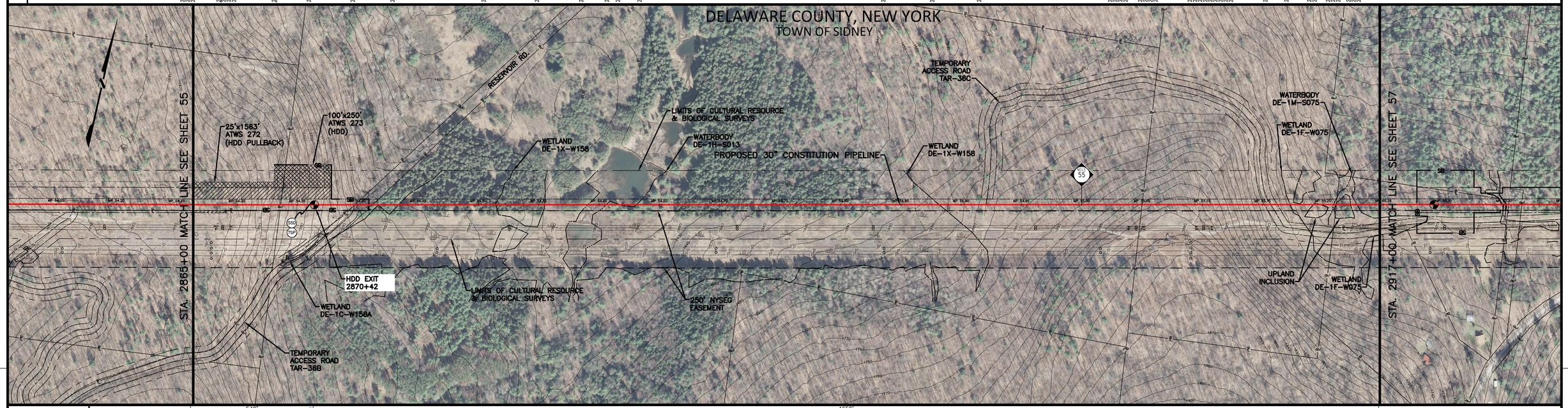
DRAWN BY: GIE	DATE: 09/26/12	ISSUED FOR BID:	SCALE: 1" = 200'
CHECKED BY: GIE	DATE: 09/27/12	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26–03–70/0001	SHEET 55 OF 126
W.O. 1110415			

LINE LIST

2865+00 | NY-DE-014.000 | 2868+95 | NY-DE-016.000 | 2872+20 | RESERVOIR RD. | 2872+97 | NY-DE-016.000 | 2906+64 | NY-DE-017.000 | 2915+14 | NY-DE-018.000 | 2917+00

PIPELINE STATIONING

2866+04 GUY, 93' RT.
2866+09 GUY, 105' RT.
2866+11 P.I. 070°36'30" L
2866+74 GUY, 109' RT.
2866+80 GUY, 94' RT.
2868+92 P.I. 070°43'7" L
2870+42 HDD EXIT
2872+38 ℄ RESERVOIR RD.
2874+11 ENTER WETLAND DE-1X-W158
2878+37 EXIT WETLAND DE-1X-W158
2880+50 ENTER WETLAND DE-1X-W158
2882+39 ENTER WATERBODY DE-1H-S013
2883+19 EXIT WATERBODY DE-1H-S013
2883+81 ENTER WATERBODY DE-1H-S013
2884+51 EXIT WATERBODY DE-1H-S013
2896+70 ℄ GRASS TRAIL
2897+77 EXIT WETLAND DE-1X-W158
2899+82 ℄ DIRT TRAIL
2906+01 GUY, 107' RT.
2906+62 GUY, 107' RT.
2906+67 GUY, 90' RT.
2906+69 GUY, 109' RT.
2906+70 GUY, 90' RT.
2906+74 GUY, 109' RT.
2906+75 GUY, 90' RT.
2908+97 GUY, 95' RT.
2909+07 GUY, 107' RT.
2909+08 GUY, 90' RT.
2909+13 GUY, 107' RT.
2909+45 GUY, 90' RT.
2909+46 GUY, 107' RT.
2909+56 GUY, 107' RT.
2909+70 GUY, 90' RT.
2909+71 GUY, 107' RT.
2912+27 ℄ DIRT TRAIL
2913+13 ENTER WETLAND DE-1F-W075
2914+46 EXIT WETLAND DE-1F-W075
2914+48 ENTER WETLAND DE-1F-W075
2914+80 END CLASS 1
2915+01 BEG CLASS 2
2915+02 ℄ WATERBODY DE-1M-S075
2915+12 EXIT WETLAND DE-1F-W075
2915+13 ENTER WETLAND DE-1F-W075
2915+25 EXIT WETLAND DE-1F-W075



MATERIAL: 542' (1) — 2870+42 — 4658' (4); END DOUBLE ZINC RIBBON

CLASS LOCATION: 1 | 2

LAND USE: UF | PFO | UF | PFO | WB PEM PFO | WB | PFO PEM | PFO | UF | PFO UF PFO WB PFO UF PFO UF

ENVIRONMENTAL SITE SPECIFIC E & S: 15A 44 45 | 3 12 13 14 18 19 28 34 37 40 46 58A 90 91 | 3 12 13 14 18 19 28 34 37 40 46 58A 90 91 | 3 12 13 14 18 19 28 34 37 40 46 58A 90 91 | 1 2 5 6 7 18 19 29 29A 32 33 34 35 37 40 58 73 | 3 12 13 14 18 19 28 34 37 40 46 58A 90 91 | 1 2 5 6 7 18 19 29 29A 32 33 34 35 37 40 58 73

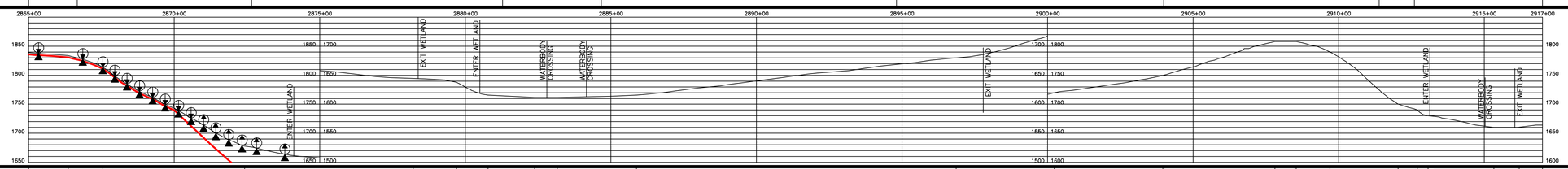
GENERAL E & S FIGURES: 18 19 28 29 29A 30 31 37 59 74 75 76 77 86

DEPTH OF COVER: 3' | 4' | 3' | 4' | 5' | 4' | 3' | 4' | 5' | 4' | 3'

SOIL TYPE: HcC | HcE | MdC | VoB | MdC | MnC | HcE | LoE | TeB

PROFILE — VERTICAL SCALE IN FEET (0, 100, 200)

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.



THE LOCATIONS OF TRENCH BREAKERS AND SLOPE BREAKERS SHOWN ON THE PROFILE SHALL BE USED AS A GUIDELINE ONLY. THE ACTUAL LOCATION OF THE BREAKERS SHALL BE DETERMINED IN THE FIELD UNDER FIELD CONDITIONS, BY THE ENVIRONMENTAL INSPECTOR AND CONTRACTOR.

PERMANENT SLOPE BREAKERS (ARROW INDICATES PLAN VIEW FLOW DIRECTION)

PERMANENT TRENCH BREAKER

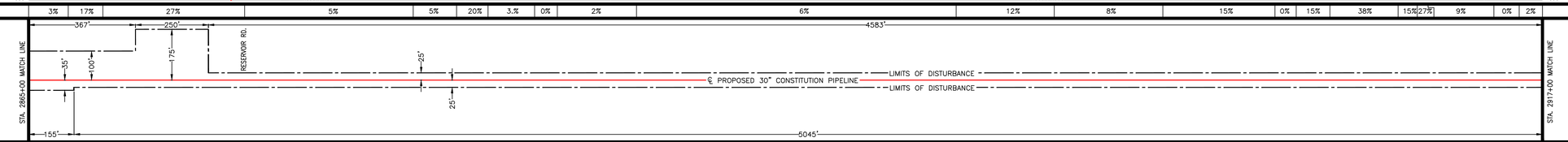
AT A MINIMUM, TRENCH BREAKERS AND SLOPE BREAKERS SHALL BE LOCATED WITHIN 50 FT. OF THE EDGE (BOTH SIDES) OF WETLANDS AND WATERBODIES. ACTUAL LOCATION SHALL BE DETERMINED BY THE ENVIRONMENTAL INSPECTOR AND CONTRACTOR.

PERMANENT TRENCH BREAKER SPACING IN AGRICULTURAL LAND	
SLOPE (%)	SPACING (FT)
<5	AS REQ.
5–10	150
>10–15	100
>15–20	80
>20–30	70
>30–40	50
>40–100	40
>100	25

PERMANENT TRENCH / SLOPE BREAKER SPACING	
SLOPE (%)	SPACING (FT)
<5	125
5–10	100
>10–20	75
>20–35	50
>35	25

AVERAGE % SLOPE: 3% | 17% | 27% | 5% | 5% | 20% | 3.% | 0% | 2% | 6% | 12% | 8% | 15% | 0% | 15% | 38% | 15% | 27% | 9% | 0% | 2%

WORKSPACE SCHEMATIC



MATERIAL SUMMARY

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	542'			
2	PIPE, 30" OD, 0.562" WT., X-70, w/15-17 MILS FBE EXTERNAL COATING AND 1.5 MILS INTERNAL COATING	0'			
3	PIPE, 30" OD, 0.635" WT., X-70, w/15-17 MILS FBE EXTERNAL COATING AND 1.5 MILS INTERNAL COATING	0'			
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	4658'			
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'			
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'			
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'			
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'			

SOIL LEGEND
HcC – Halcott, Mongaup and Vly soils
HcE – Halcott, Mongaup and Vly soils
LoE – Lordstown channery silt loam
MdC – Mardin channery silt loam
MnC – Mongaup channery loam
TeB – Torull–Gretor complex
VoB – Volusia 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 PITS 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)
11. SCRUB-SHRUB WETLANDS (PSS)
12. EMERGENT WETLANDS (PEM)
13. WATERBODY (WB)
14. UPLAND FOREST (UF)
15. INTERIOR FOREST (IR)

0 200 400 600
SCALE IN FEET

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

DRAWING NO.	REFERENCE TITLE
26–27–70/001 THRU 26–27–70/022 26–07–85/NY–DE–016.003–1–B	TYPICAL RIGHT–OF–WAY CROSS SECTIONS RESEVOIR ROAD

NO.	DATE	BY	REVISION DESCRIPTION	W.O.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

CONSTITUTION PIPELINE COMPANY, LLC
SOIL EROSION AND SEDIMENT CONTROL PLAN
FERC ALIGNMENT SHEETS
PROPOSED 30" NATURAL GAS PIPELINE
STA. 2865+00 TO STA. 2917+00
DELAWARE COUNTY, NEW YORK

CONSTITUTION PIPELINE

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 56 OF 126
W.O.: 1110415			

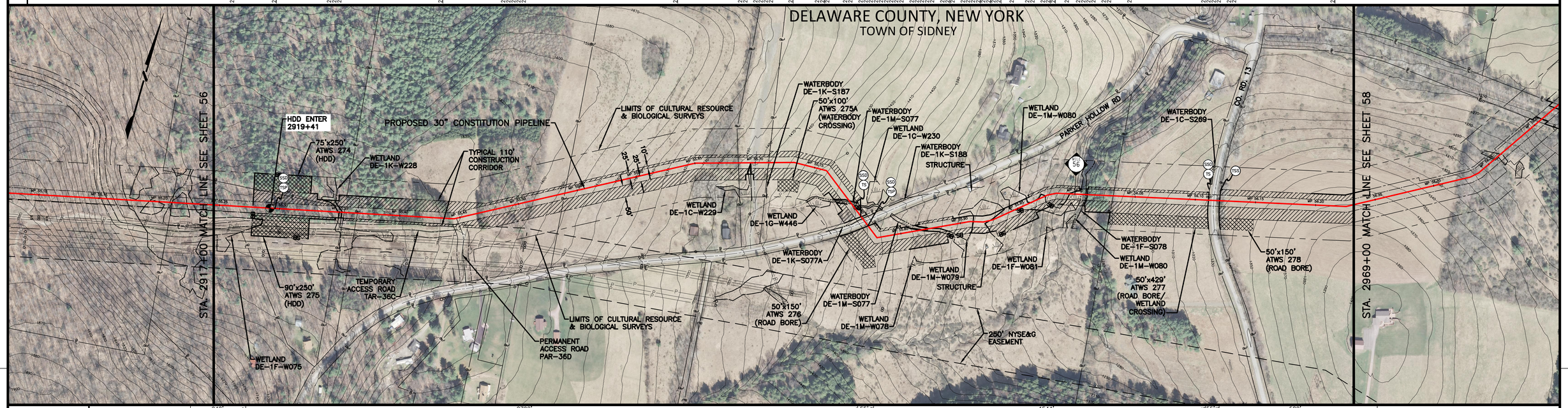
LINE LIST

NY-DE-018.000 | NY-DE-019.000 | NY-DE-020.000 | NY-DE-021.000 (RESCINDED SURVEY ACCESS) | NY-DE-019.000 | NY-DE-019.001 | PARKER HOLLOW RD. | NY-DE-024.000 | NY-DE-025.000 | COUNTY RD. 13 | NY-DE-026.000 (RESCINDED SURVEY ACCESS)

2917+00 | 2922+68 | 2923+26 | 2932+48 | 2940+22 | 2941+55 | 2946+65 | 2947+16 | 2958+48 | 2962+65 | 2963+15 | 2969+00

PIPELINE STATIONING

2919+42 HDD ENTER
2919+88 P.I. 003°58' LT.
2922+37 & DIRT TRAIL
2922+41 ENTER WETLAND DE-1K-W228
2922+57 EXIT WETLAND DE-1K-W228
2927+50 P.I. 10°14'14" LT.
2930+11 GUY, 264' RT.
2930+14 GUY, 198' RT.
2930+41 GUY, 141' RT.
2930+43 GUY, 137' RT.
2930+44 GUY, 132' RT.
2938+35 P.I. 12°34'15" RT.
2940+72 PP, 224' RT.
2940+73 TOP OF SLOPE
2940+88 ENTER PARKER HOLLOW ROAD
2941+05 ENTER AGRICULTURAL LAND
2941+56 EXISTING FENCE
2942+88 P.I. 14°30'00" RT.
2943+91 UTILITY POWER LINE
2944+08 PP, 119' LT.
2944+13 PP, 119' LT.
2945+75 TOP OF SLOPE
2945+83 EXIT AGRICULTURAL LAND
2945+89 ENTER WATERBODY DE-1M-S077
2945+97 EXIT WATERBODY DE-1M-S077
2946+01 ENTER AGRICULTURAL LAND
2946+05 EXIT AGRICULTURAL LAND
2946+62 TOP OF SLOPE
2946+67 ENTER AGRICULTURAL LAND
2946+75 & WATERBODY DE-1K-S077A
2946+78 ENTER AGRICULTURAL LAND
2946+80 TOP OF SLOPE
2946+83 EXIT AGRICULTURAL LAND
2946+93 & PARKER HOLLOW RD.
2947+04 TOP OF SLOPE
2947+15 TOP OF SLOPE
2947+17 EXIT WATERBODY DE-1M-S077
2949+37 ENTER WATERBODY DE-1M-S077
2950+06 EXIT WATERBODY DE-1M-S077
2950+16 ENTER WETLAND DE-1M-W079
2950+26 EXIT WETLAND DE-1M-W079
2951+46 P.I. 18°18'00" RT.
2952+83 P.I. 12°00'00" LT.
2953+53 P.I. 18°00'00" RT.
2952+94 P.I. 13°00'00" LT.
2954+01 ENTER WETLAND DE-1M-W080
2954+77 EXIT WETLAND DE-1M-W080
2954+94 ENTER WETLAND DE-1M-W080
2955+49 EXIT WETLAND DE-1M-W080
2955+50 P.I. 13°00'00" RT.
2956+80 P.I. 13°00'00" LT.
2956+58 ENTER WETLAND DE-1M-W080
2957+06 TOP OF SLOPE
2957+07 EXIT WETLAND DE-1M-W080
2957+07 ENTER WATERBODY DE-1F-S078
2957+09 TOP OF SLOPE
2957+18 TOP OF SLOPE
2957+28 EXIT WATERBODY DE-1F-S078
2959+36 EXISTING FENCE
2962+90 & COUNTY RD. 13
2963+01 ENTER AGRICULTURAL LAND
2963+19 TOP OF SLOPE
2963+03 TOP OF SLOPE
2963+10 TOP OF SLOPE
2968+70 P.I. 10°00'00" LT.



MATERIAL

242' (4) | 2722' (1) | 55' (4) | 1544' (2) | 55' (4) | 582' (2)

2919+42 BEGIN DOUBLE ZINC RIBBON
2946+13 2"-36"-W
END DOUBLE ZINC RIBBON
2946+64
2947+19
2947+81 2"-36"-W
BEGIN ZINC RIBBON
END ZINC RIBBON
2962+63
2963+16
2965-76 2"-20"-V

CLASS LOCATION: 2

LAND USE: UF | PFO | UF | OL | UF | OL | UF | OL | AG | OL WB AG OL AG WB AG RD | OL | WB PEM | OL | PEM | OL | PEM OL PEM | OL | PEM WB | UF | OL | RD | AG

ENVIRONMENTAL SITE SPECIFIC E & S

3 12 13 14 18 19 28 34 37 40 46 58A 90 91 | 15A 44 45 | 3 12 13 14 18 19 28 34 37 40 46 58A 90 91 | 15A 44 45 | 1 2 5 6 7 18 19 29 29A 32 33 34 35 37 40 58 73 | 3 12 13 14 18 19 28 34 37 40 46 58A 90 91 | 2A 5 6 7 18 19 29 29A 32 33 34 35 37 40 58 73 | 15A 44 45

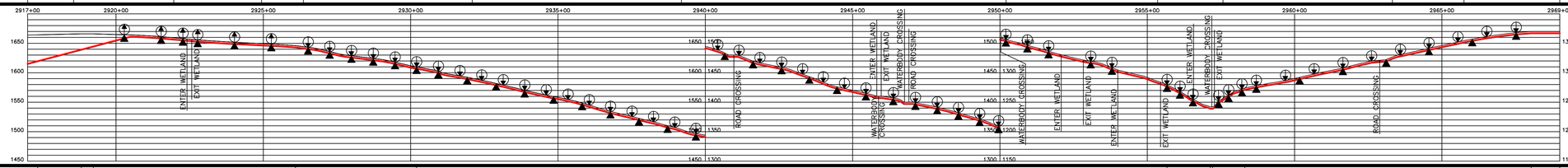
GENERAL E & S FIGURES: 18 19 28 29 29A 30 31 37 59 74 75 76 77 86

DEPTH OF COVER: 3' | 4' | 3' | 4' | 3' | 4' | 3' | 4' | 5' | 4' | 5' | 4' | 5' | 3' | 4' | 5' | 4'

SOIL TYPE: TeB | LoC | TeB | LoD | LoB | MdC | BtD | MdC | VoB | BtC | MdC | MdB

PROFILE (VERTICAL SCALE IN FEET: 0 100 200)

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.



THE LOCATIONS OF TRENCH BREAKERS AND SLOPE BREAKERS SHOWN ON THE PROFILE SHALL BE USED AS A GUIDELINE ONLY. THE ACTUAL LOCATION OF THE TRENCH BREAKERS SHALL BE DETERMINED IN THE FIELD UNDER CONDITIONS, BY THE ENVIRONMENTAL INSPECTOR AND CONTRACTOR.

PERMANENT SLOPE BREAKERS (ARROW INDICATES PLAN VIEW FLOW DIRECTION)

PERMANENT TRENCH BREAKER

AT A MINIMUM, TRENCH BREAKERS AND SLOPE BREAKERS SHALL BE LOCATED WITHIN 50 FT. OF THE EDGE (BOTH SIDES) OF WETLANDS AND WATERBODIES. ACTUAL LOCATION SHALL BE DETERMINED BY THE ENVIRONMENTAL INSPECTOR AND CONTRACTOR.

PERMANENT TRENCH BREAKER SPACING IN AGRICULTURAL LAND	
SLOPE (%)	SPACING (FT)
<5	AS REQ.
5–10	150
>10–15	100
>15–20	80
>20–30	70
>30–40	50
>40–100	40
>100	25

PERMANENT TRENCH / SLOPE BREAKER SPACING	
SLOPE (%)	SPACING (FT)
<5	125
5–10	100
>10–20	75
>20–35	50
>35	25

AVERAGE % SLOPE: 2% | 0% | 3% | 12% | 12% | 26% | 0% | 30% | 10% | 0%

WORKSPACE SCHEMATIC

STA. 2917+00 MATCH LINE

167' 250' 30' 95' 508' 150' 1262' 441' 168' 82' 152' 358' 217' 44' 523' 582'

LIMITS OF DISTURBANCE
℄ PROPOSED 30" CONSTITUTION PIPELINE
LIMITS OF DISTURBANCE

PARKER HOLLOW RD. | CO. RD. 13

167' 250' 114' 484' 134' 1171' 106' 100' 183' 101' 150' 300' 208' 189' 245' 103' 429' 150' 433'

STA. 2969+00 MATCH LINE

MATERIAL SUMMARY

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	2722'			
2	PIPE, 30" OD, 0.562" WT., X-70, w/15-17 MILS FBE EXTERNAL COATING AND 1.5 MILS INTERNAL COATING	2126'			
3	PIPE, 30" OD, 0.635" WT., X-70, w/15-17 MILS FBE EXTERNAL COATING AND 1.5 MILS INTERNAL COATING	0'			
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	352'			
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'			
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'			
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'			
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'			

SOIL LEGEND

BtC – Bath channery silt loam
BtD – Bath channery silt loam
LoB – Lordstown channery silt loam
LoC – Lordstown channery silt loam
LoD – Lordstown channery silt loam
MdB – Mardin channery silt loam
MdC – Mardin channery silt loam
TeB – Torull–Gretor complex
VoB – Volusia 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 PITS 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)
11. SCRUB-SHRUB WETLANDS (PSS)
12. EMERGENT WETLANDS (PEM)
13. WATERBODY (WB)
14. UPLAND FOREST (UF)
15. INTERIOR FOREST (IR)

0 200 400 600
SCALE IN FEET

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

DRAWING NO.	REFERENCE TITLE
26–27–70/001 THRU 26–27–70/022 26–07–85/NY–DE–019.004–1–B 26–07–85/NY–DE–025.003–1–B	TYPICAL RIGHT–OF–WAY CROSS SECTIONS PARKER HOLLOW ROAD COUNTY ROAD 13

NO.	DATE	BY	REVISION DESCRIPTION	W.O. 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

CONSTITUTION PIPELINE COMPANY, LLC
SOIL EROSION AND SEDIMENT CONTROL PLAN
FERC ALIGNMENT SHEETS
PROPOSED 30" NATURAL GAS PIPELINE
STA. 2917+00 TO STA. 2969+00
DELAWARE COUNTY, NEW YORK

CONSTITUTION PIPELINE

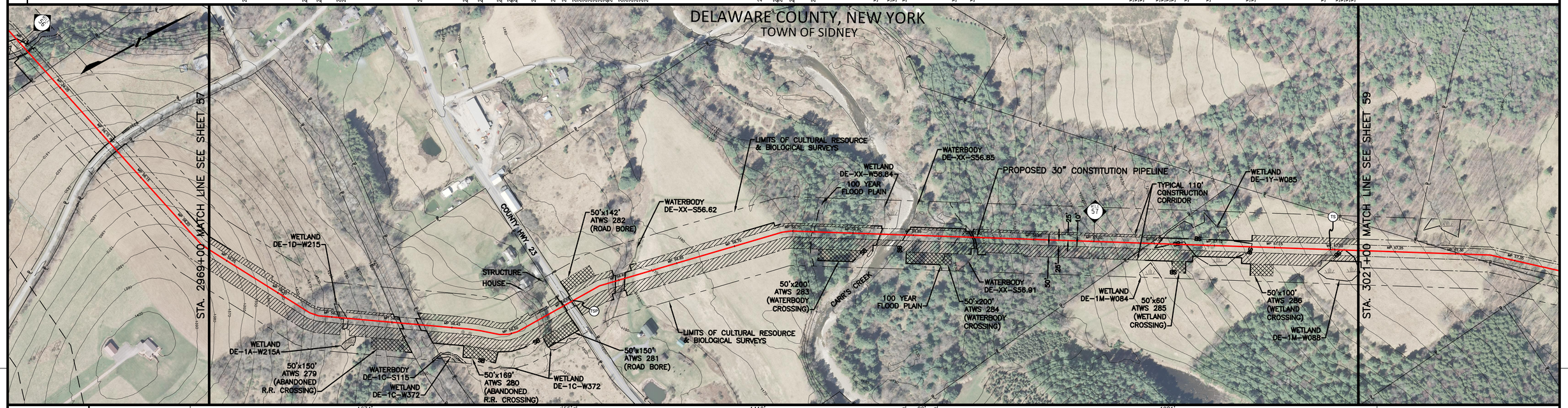
DRAWN BY: GIE	DATE: 09/26/12	ISSUED FOR BID:	SCALE: 1" = 200'
CHECKED BY: GIE	DATE: 09/27/12	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26–03–70/0001	SHEET 57 OF 126
W.O. 1110415			

LINE LIST

2969+00 | NY-DE-026.000 (RESCINDED SURVEY ACCESS) | 2978+15 O & W RAILROAD NY-DE-027.000 | 2979+31 | NY-DE-028.000 | 2985+77 COUNTY RD. 23 | 2986+26 | NY-DE-029.000 (DENIED SURVEY ACCESS) | 3012+05 | NY-DE-030.000 | 3021+00

PIPELINE STATIONING

Station	Description
2972+80	EXIT AGRICULTURAL LAND
2974+29	P.I. 13330'00" LT
2974+69	P.I. 13330'00" LT
2975+60	ENTER WETLAND DE-1D-W215
2975+96	EXIT WETLAND DE-1D-W215
2979+47	ENTER AGRICULTURAL LAND
2981+30	P.I. 3°25'00" RT
2981+80	P.I. 3°27'18" RT
2982+67	P.I. 13°19'48" LT
2983+07	P.I. 14°24'35" LT
2983+47	P.I. 13°19'48" LT
2984+31	EXIT AGRICULTURAL LAND
2985+29	ENTER AGRICULTURAL LAND
2985+78	TOP OF SLOPE
2985+80	EXIT AGRICULTURAL LAND
2985+82	& COUNTY RD. 23
2986+12	ENTER AGRICULTURAL LAND
2986+17	TOP OF SLOPE
2986+21	ENTER AGRICULTURAL LAND
2987+59	P.C. 6°48'49" RT
2987+93	EXIT AGRICULTURAL LAND
2988+52	ENTER AGRICULTURAL LAND
2988+71	& WATERBODY DE-XX-S56.62
2988+73	& WETLAND DE-XX-W56.64
2989+09	EXIT AGRICULTURAL LAND
2989+10	ENTER AGRICULTURAL LAND
2995+74	END CLASS 2 BEGIN CLASS 1
2995+93	P.I. 6°10'30" RT
2995+97	EXIT AGRICULTURAL LAND
2996+33	P.I. 9°10'30" RT
2997+33	ENTER 100 YEAR FLOOD PLAIN
3000+30	ENTER DE-XX-W56.84
3000+63	EXIT DE-XX-W56.84
3000+83	ENTER DE-XX-W56.84
3001+28	EXIT WATERBODY DE-XX-S56.85
3003+68	EXIT 100 YEAR FLOOD PLAIN
3004+29	& WATERBODY DE-XX-S56.91
3012+05	& STONE ROW
3012+07	EXIT AGRICULTURAL LAND
3012+21	ENTER AGRICULTURAL LAND
3012+43	ENTER WETLAND DE-1Y-W085
3012+47	EXIT AGRICULTURAL LAND
3012+49	EXISTING FENCE
3013+06	EXIT WETLAND DE-1Y-W085
3013+66	ENTER WETLAND DE-1Y-W085
3014+66	EXISTING FENCE
3016+51	EXIT WETLAND DE-1Y-W085
3016+51	ENTER AGRICULTURAL LAND
3019+96	EXISTING FENCE
3020+53	EXIT AGRICULTURAL LAND
3020+53	ENTER WETLAND DE-1M-W088
3020+61	EXIT WETLAND DE-1M-W088
3020+61	ENTER AGRICULTURAL LAND



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