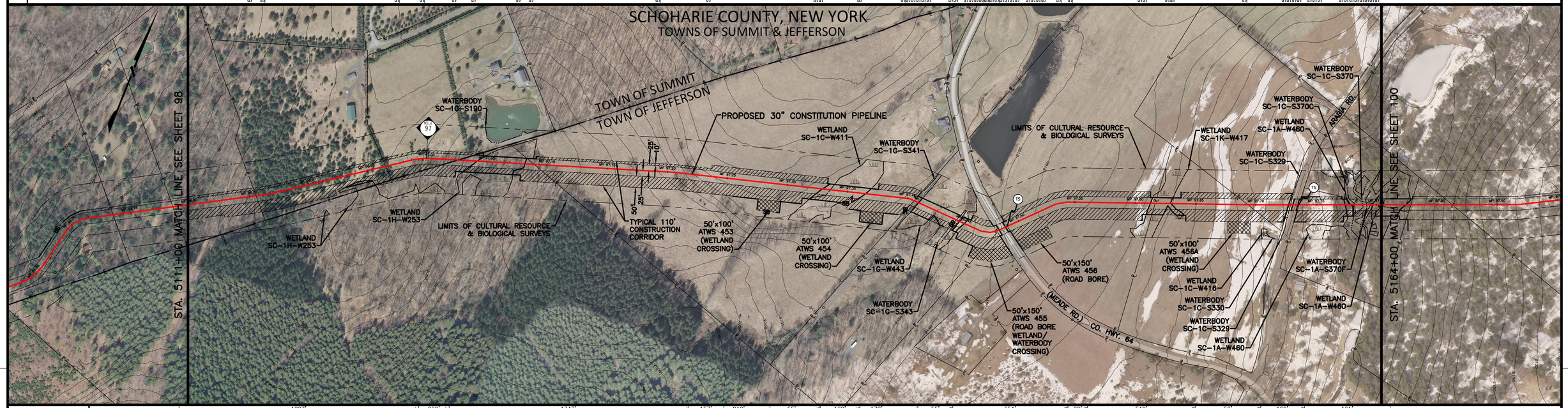
LINE LIST

5111+00 | (NY-SC-024.003) (DENIED SURVEY ACCESS) | 5113+97 | (NY-SC-025.002) (DENIED SURVEY ACCESS) | 5119+78 | (UA-NY-SC-025.004) (DENIED SURVEY ACCESS) | 5122+98 | (ALT-F-NY-SC-011.001) | 5126+31 | (ALT-F-NY-SC-016.000) | STATE FOREST ACCESS ROAD | 5143+04 | POTENTIAL-ALT-F-007.000 | COUNTY HWY. 64 (MEADE RD.) | 5146+96 | 5147+46 | (ALT-F-NY-SC-019.000) | 5154+15 | POTENTIAL-ALT-F-007.001 | 5158+21 | (ALT-F-NY-SC-008.000) | ARABIA RD. | 5160+02 | 5160+45 | (ALT-F-NY-SC-020.001) | 5163+82 | (ALT-F-NY-SC-008.002) | 5164+00

PIPELINE STATIONING

5113+96 ℄ STONE ROW
5114+52 P.I. 5248.31° LT.
5121+09 P.I. 8203.17° RT.
5121+58 P.I. 8203.17° RT.
5123+03 ℄ STONE ROW
5123+82 ENTER WETLAND SC-1H-W253
5125+92 EXIT WETLAND SC-1H-W253
5126+31 ℄ STONE ROW
5132+48 P.I. 2305.40° RT.
5134+29 ENTER AGRICULTURAL LAND
5139+33 ENTER WETLAND SC-1C-W411
5139+33 EXIT AGRICULTURAL LAND
5140+88 EXIT WETLAND SC-1C-W411
5142+83 P.I. 1800.00° RT.
5142+96 CULT. 2" WATER LINE
5143+10 PP, 18" LT.
5143+25 ENTER WETLAND SC-1G-W443
5144+08 TOP OF SLOPE
5145+07 ENTER WATERBODY SC-1G-S343
5145+18 EXIT WATERBODY SC-1G-S343
5145+22 TOP OF SLOPE
5145+45 EXIT WETLAND SC-1C-W443
5146+25 P.I. 1475.43° LT.
5146+29 CULT. 2" WATER LINE
5146+46 P.I. 1475.43° LT.
5146+86 PP, 18" RT.
5146+96 ℄ COUNTY HWY. 64
5147+05 PP, 18" RT.
5147+21 ℄ COUNTY HWY. 64
5147+21 UNLEAD RIGHT
5147+27 CUT, 1.79' RT.
5147+31 FILL, 1.11' LT.
5147+31 ENTER AGRICULTURAL LAND
5149+80 P.I. 1358.12° RT.
5150+29 P.I. 1149.92° RT.
5153+95 EXIT AGRICULTURAL LAND
5153+98 ENTER WETLAND SC-1K-W417
5154+85 ENTER AGRICULTURAL LAND
5154+85 EXIT WETLAND SC-1K-W417
5158+50 P.I. 0758.16° LT.
5160+05 EXIT AGRICULTURAL LAND
5160+07 EXIT WATERBODY SC-1C-S329
5160+08 ENTER AGRICULTURAL LAND
5160+08 TOP OF SLOPE
5160+14 TOP OF SLOPE
5160+29 EXIT AGRICULTURAL LAND ℄ ARABIA RD.
5162+47 ENTER WETLAND SC-1A-W460
5162+77 ENTER WATERBODY SC-1A-S370C
5162+77 EXIT WATERBODY SC-1A-S370C
5163+23 ENTER WATERBODY SC-1A-S370
5163+49 EXIT WATERBODY SC-1A-S370
5163+49 ENTER WATERBODY SC-1A-S370F
5163+87 EXIT WATERBODY SC-1A-S370F
5163+87 EXIT WETLAND SC-1A-W460



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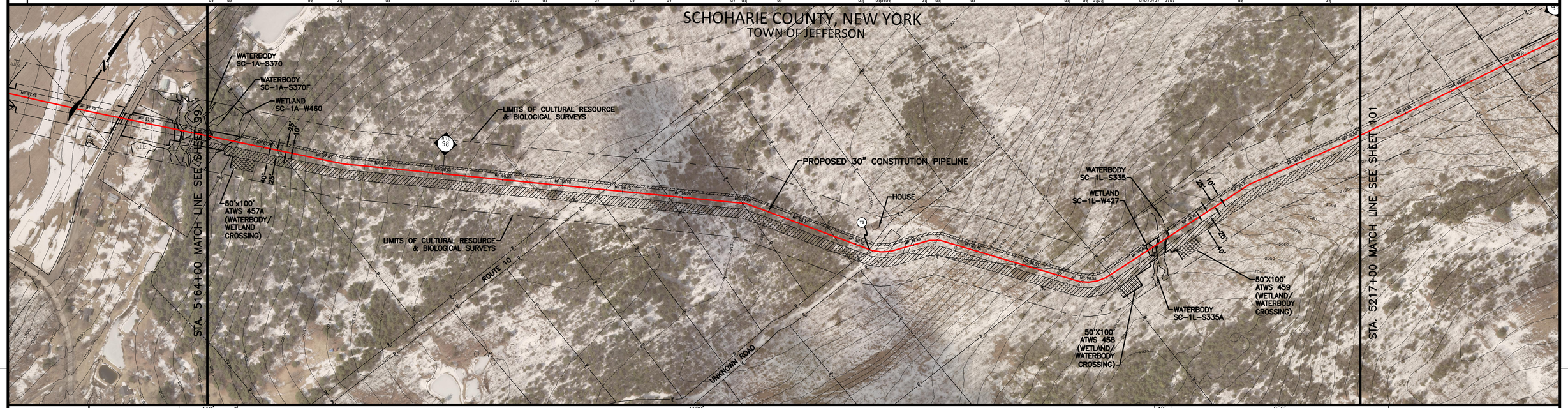
LINE LIST	PIPELINE STATIONING
ALT-F-NY-SC-008.002	5164+00 ENTER WETLAND SC-1A-W460
ALT-F-NY-SC-020.002	5165+34 EXIT WETLAND SC-1A-W460
ALT-F-NY-SC-020.003	5167+14
	5169+05 P.I. 0°00'00" RT.
	5170+05 P.I. 6°00'00" LT.
	5172+31 ℄ STONE ROW
ROUTE 10	5178+20 ℄ STONE ROW / 5178+29 ℄ ATV TRAIL
	5179+11 ℄ ATV TRAIL
	5181+21
	5181+52 ℄ DIRT FARM ROAD
	5181+93
ALT-F-NY-SC-020.004	5183+00 ℄ GRASS TRAIL
	5184+32
ALT-F-NY-SC-020.004	5184+62 ℄ STONE ROW
	5187+16
ALT-F-NY-SC-020.004	5187+57 ℄ ATV TRAIL
	5187+78 P.I. 14°47'40" RT.
	5189+58 ℄ STONE ROW
ALT-F-NY-SC-020.004	5191+88
UNKNOWN ROAD	5193+65 P.I. 12°00'00" LT.
	5194+09
	5194+16 ℄ DIRT FARM ROAD
	5194+46 P.I. 12°00'00" LT.
	5194+78
ALT-F-NY-SC-020.004	5196+24 P.I. 16°00'00" RT.
	5196+72 P.I. 16°00'00" RT.
	5198+45 ℄ STONE ROW
ALT-F-NY-SC-020.004	5200+72
	5203+07 P.I. 17°21'54" LT.
ALT-F-NY-SC-020.005 (DENIED SURVEY ACCESS)	5202+14
	5203+47 P.I. 17°21'54" LT.
	5203+87 P.I. 17°21'54" LT.
	5204+48
	5206+45 ENTER WETLAND SC-1L-W427 / 5206+70 ENTER WATERBODY SC-1L-S335
	5207+10 EXIT WETLAND SC-1L-W427 / 5207+18 EXIT WATERBODY SC-1L-S335
	5207+18 TOP OF SLOPE
	5207+42 EXIT WATERBODY SC-1L-S335 / 5207+55 TOP OF SLOPE
ALT-F-NY-SC-034.002	5211+78 P.I. 9°52'13" RT.
	5216+07 P.I. 22°12'24" LT.
	5217+00



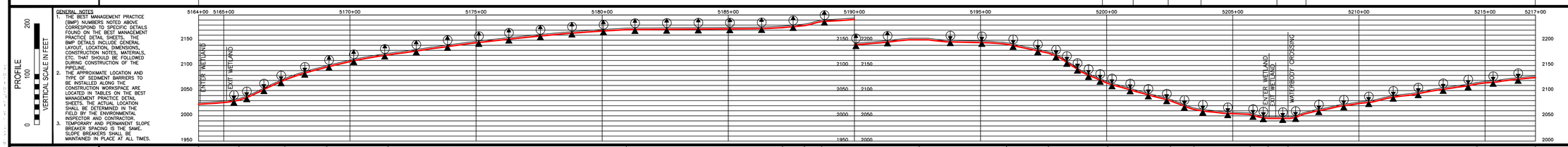
MATERIAL	119' ⑤	5165+13	4182' ①																	5207+01	40' ⑤	5207+41	959' ①		
CLASS LOCATION	1																								
LAND USE	UF	PFO	UF	IR																PFO	IR	WB	IR		
ENVIRONMENTAL SITE SPECIFIC E & S	3 12 13 14 18 / 19 29 34 37 40 / 46 58A 90 91																			3 12 13 14 18 / 19 29 34 37 40 / 46 58A 90 91			2A 5 6 7 18 / 19 29 29A 32 33 34 / 35 37 40 58 73		
DEPTH OF COVER	4'	3'																		4'	5'	3'			
SOIL TYPE	LoE																			LrF	LoE	McC	LoE	CnC	VmC

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.



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

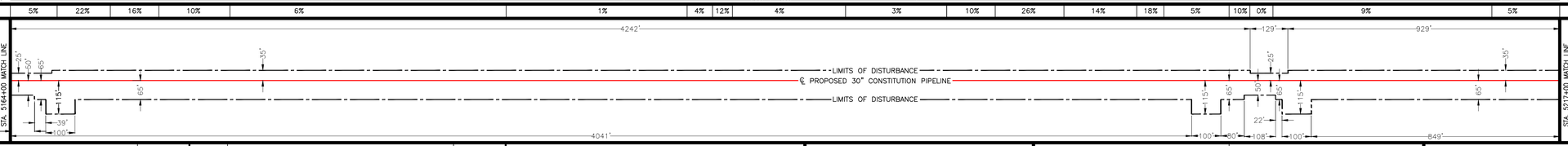
AT A MINIMUM, TRENCH BREAKERS AND SLOPE BREAKERS SHALL BE LOCATED WITHIN 50 FT. OF THE EDGE (BOTH SIDES) OF WETLANDS AND WATERBODIES. ACTUAL LOCATION SHALL BE DETERMINED BY THE ENVIRONMENTAL INSPECTOR AND CONTRACTOR.

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	5%	22%	16%	10%	6%	1%	4%	12%	4%	3%	10%	26%	14%	18%	5%	10%	0%	9%	5%

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	5141'			
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	0'			
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	159'			
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

CnC – Chippewa and Norwich very stony soils
LoE – Lordstown and Oquaga very stony soils
LrF – Lordstown, Oquaga and Nassau soils
McB – Mardin channery silt loam
McC – Mardin channery silt loam
VmC – Volusia, Morris and Erie very stony soils

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	TYPICAL RIGHT-OF-WAY CROSS SECTIONS

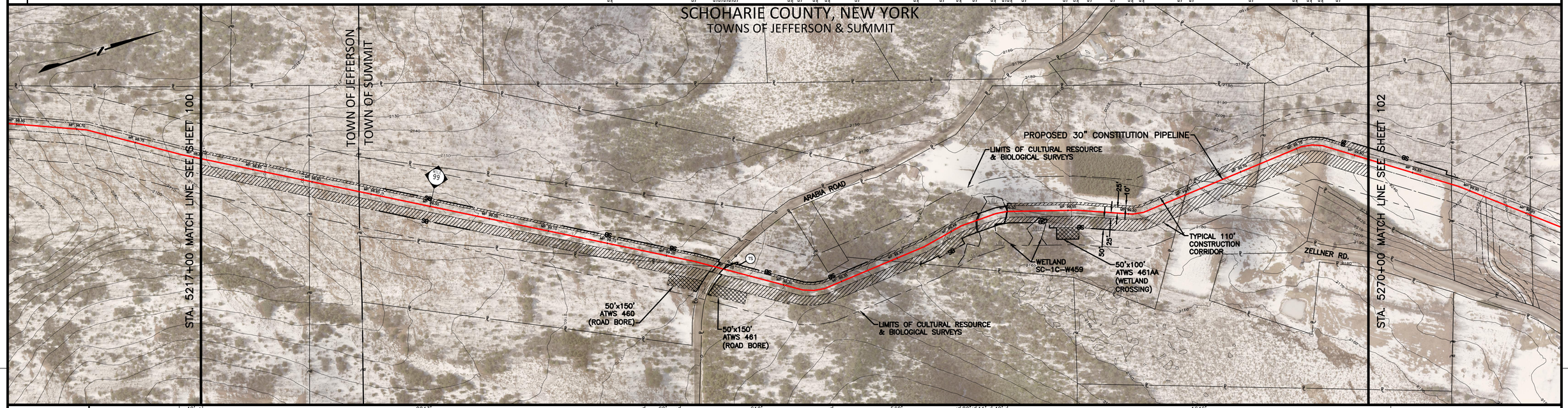
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK	APP
3	07/24/13	GIE	ISSUED FOR SUPPLEMENTAL FERC #1 ER	1110415	JRL	TK
4	10/07/13	GIE	ISSUED FOR BID #1	1110415	JRL	TK
5	11/08/13	GIE	ISSUED FOR SUPPLEMENTAL FERC #2 ER	1110415	JRL	TK
6	06/02/14	GIE	ISSUED FOR SUPPLEMENTAL FERC #3 ER	1110415	JRL	TK
7B	07/14/14	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. 5164+00 TO STA. 5217+00
SCHOHARIE 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 100 OF 126
W.O.: 1110415			

LINE LIST	PIPELINE STATIONING
5217+00	
ALT-F-NY-SC-034.002	
5221+79 — ALT-F-NY-SC-034.003 (DENIED SURVEY ACCESS)	
5224+02	
NY-SC-035.004 (DENIED SURVEY ACCESS)	
5239+85 — ARABIA ROAD	5239+02 P.I. 3°00'41" RT.
	5239+50 PP. 159' RT.
5240+31	5240+12 ℄ ARABIA RD.
	5240+29 TOE OF SLOPE
	5240+31 TOP OF SLOPE
	5240+33 UTILITY POWER LINE
	5240+70 PP. 70' LT.
NY-SC-035.001 (DENIED SURVEY ACCESS)	5243+92 P.I. 12°30'22" LT.
	5244+04 END CLASS 2 BEGIN CLASS 1
	5244+40 P.I. 12°30'35" LT.
	5244+87 P.I. 12°30'22" LT.
5247+99	5246+68 ℄ STONE ROW
NY-SC-040.000 (RESCINDED SURVEY ACCESS)	5249+60 P.I. 6°36'17" LT.
	5250+70 ℄ STONE ROW
	5251+47 P.I. 9°57'41" RT.
	5252+23 ENTER WETLAND SC-1C-W459
	5253+09 P.I. 9°13'44" RT.
	5253+55 EXIT WETLAND SC-1C-W459
	5253+59 P.I. 9°13'44" RT.
	5254+43 ℄ STONE ROW
	5256+39 ℄ STONE ROW
	5256+67 P.I. 4°37'36" RT.
	5257+29 END CLASS 2 BEGIN CLASS 1
	5258+33 END CLASS 1 BEGIN CLASS 2
	5259+06 P.I. 14°11'10" LT.
	5259+56 P.I. 12°24'30" LT.
5261+55 — NY-SC-040.001	5261+54 ℄ STONE ROW
	5261+93 ENTER AGRICULTURAL LAND
5262+94 — NY-SC-040.000 (RESCINDED SURVEY ACCESS)	
5265+06	5265+05 EXIT AGRICULTURAL LAND
NY-SC-040.001	5267+02 P.I. 13°04'48" RT.
	5267+50 P.I. 13°05'46" RT.
	5267+97 P.I. 13°04'48" RT.
	5268+83 ENTER AGRICULTURAL LAND
5270+00	



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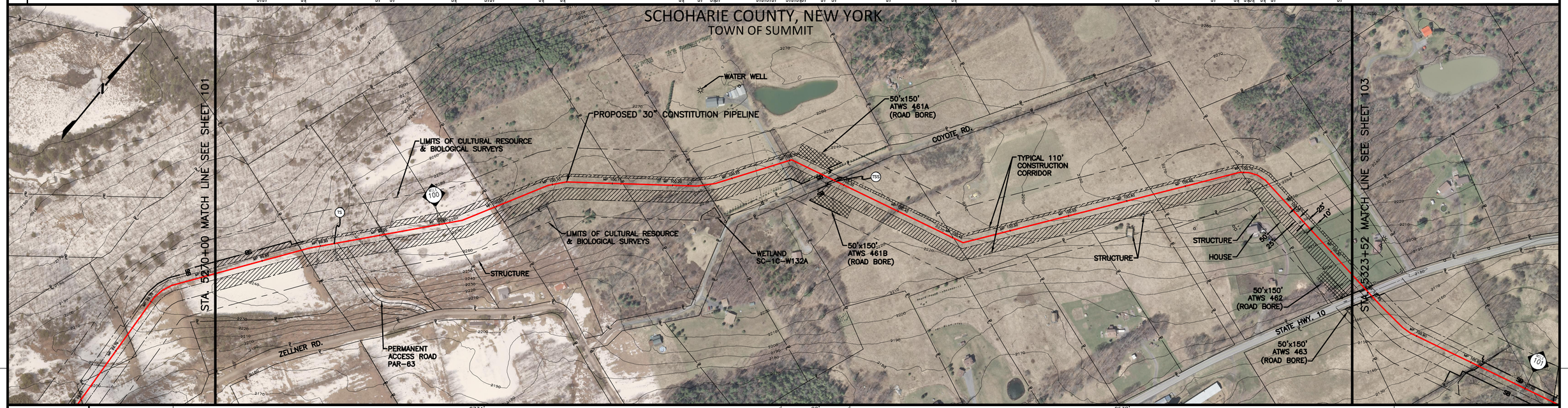
LINE LIST	PIPELINE STATIONING
5270+00	
NY-SC-040.001	5271+82 EXIT AGRICULTURAL LAND 5273+65 ℄ STONE ROW
5273+87	
NY-SC-042.000	5274+20 P.I. 4°56'52" RT.
5277+59	
NY-SC-043.000 (RESCINDED SURVEY ACCESS)	5277+56 ℄ STONE ROW 5278+03 ENTER AGRICULTURAL LAND
5280+27	
NY-SC-044.000 (DENIED SURVEY ACCESS)	5281+03 P.I. 12°00'00" LT.
5282+55	
NY-SC-045.000	5282+43 EXIT AGRICULTURAL LAND 5282+55 ℄ STONE ROW 5285+69 P.I. 12°00'00" RT. 5285+89 P.I. 12°00'00" RT.
5288+39	
NY-SC-046.000	5291+63 P.I. 9°30'00" LT. 5291+91 ℄ STONE ROW
5291+92	
NY-SC-047.000	5292+43 P.I. 9°30'00" LT. 5292+43 PP, 7.73' RT. 5294+16 GUY, 1.34' RT. 5294+17 P.I. 45° BURIED CABLE 5294+37 GUY, 1.38' RT. 5295+94 ℄ GRAVEL DRIVEWAY 5296+44 ℄ STONE ROW 5296+74 P.I. 45°00'00" RT. 5296+95 ℄ COYOTE ROAD
COYOTE RD. 5297+44	5297+70 ℄ COYOTE RD.
5298+09	5298+12 ℄ STONE ROW
NY-SC-048.000	5301+03 ℄ STONE ROW
5303+82	
NY-SC-049.000	5304+27 P.I. 40°00'00" LT.
5312+90	
NY-SC-050.000 (DENIED SURVEY ACCESS)	5314+25 PP, 1.96' RT. 5315+95 PP, 2.23' RT.
UA-NY-SC-050.004 (DENIED SURVEY ACCESS) 5316+87	5316+77 P.I. 15°22'30" RT. 5317+17 P.I. 15°22'30" RT. 5317+92 P.I. 15°22'30" RT.
5318+21	5318+98 P.I. 15°28'14" RT. 5318+65 GUY, 2.24' RT.
NY-SC-051.000	
5323+52	5323+39 WATER WELL, 2.08' LT.



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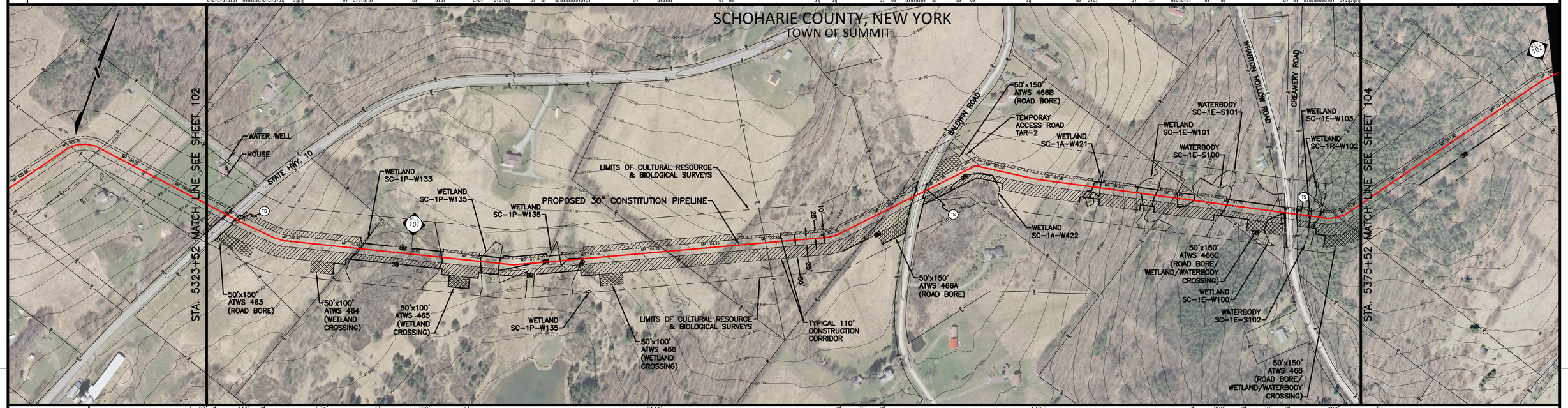
LINE LIST

NY-SC-051.000 | STATE HWY. 10 | NY-SC-052.000 | NY-SC-053.000 | NY-SC-054.000 | NY-SC-055.000 | NY-SC-053.001 (DENIED SURVEY ACCESS) | BALDWIN ROAD | NY-SC-057.000 (DENIED SURVEY ACCESS) | NY-SC-059.000 | WHARTON HOLLOW RD. (ROUTE 16) | NY-SC-060.000 | NY-SC-058.000 | CREAMERY RD. | NY-SC-061.000 (RESCINDED SURVEY ACCESS) | NY-SC-062.000 (RESCINDED SURVEY ACCESS)

5323+52 | 5324+70 | 5324+97 | 5330+49 | 5344+08 | 5348+41 | 5354+12 | 5355+29 | 5355+99 | 5367+16 | 5368+55 | 5371+46 | 5371+87 | 5372+37 | 5372+61 | 5374+42 | 5375+52

PIPELINE STATIONING

5324+54 PP, 10' LT.
5324+39 UTILITY POWER LINE
5324+44 TOE OF SLOPE
5324+44 TOE OF SLOPE
5324+49 TOE OF SLOPE
5324+53 TOE OF SLOPE
5324+57 TOE OF SLOPE
5324+70 ℄ STATE HWY. 10
5324+81 ENTER AGRICULTURAL LAND
5324+85 CUT, 172' LT.
5324+88 PP, 15' LT.
5325+45 PI, 230°05' LT
5326+81 PI, 93°00' LT
5327+21 PI, 93°00' LT
5330+33 END CLASS 2
5330+45 EXIT AGRICULTURAL LAND
5330+51 ENTER WETLAND SC-1P-W133
5330+28 BEGIN CLASS 2
5333+24 ℄ STONE ROW
5334+17 EXIT WETLAND SC-1P-W133
5334+17 ENTER AGRICULTURAL LAND
5335+88 ENTER WETLAND SC-1P-W135
5335+88 EXIT AGRICULTURAL LAND
5336+70 ENTER WETLAND SC-1P-W135
5336+70 EXIT AGRICULTURAL LAND
5337+32 PI, 115°00' LT
5338+38 EXIT AGRICULTURAL LAND
5338+76 ENTER WETLAND SC-1P-W135
5339+39 EXIT WETLAND SC-1P-W135
5339+39 ENTER AGRICULTURAL LAND
5339+69 EXIT AGRICULTURAL LAND
5339+81 ENTER WETLAND SC-1P-W135
5340+40 EXIT WETLAND SC-1P-W135
5340+40 ENTER AGRICULTURAL LAND
5343+01 ℄ DIRT FARM ROAD
5343+94 EXIT AGRICULTURAL LAND
5344+04 ℄ STONE ROW
5344+51 ENTER AGRICULTURAL LAND
5346+80 EXIT AGRICULTURAL LAND
5347+01 ℄ STONE ROW
5351+19 PI, 17°45'00" LT
5351+50 PI, 17°45'00" LT
5354+13 PP, 152' RT.
5354+46 ENTER AGRICULTURAL LAND
5355+18 UTILITY POWER LINE
5355+42 EXIT AGRICULTURAL LAND
5355+62 ℄ BALDWIN ROAD
5355+68 PP, 68' LT.
5356+47 ENTER AGRICULTURAL LAND
5357+73 PP, 186' LT.
5358+34 PI, 30°00'00" RT.
5361+07 PI, 4°50'15" LT
5363+27 EXIT AGRICULTURAL LAND
5363+57 ENTER WETLAND SC-1A-W421
5363+90 EXIT WETLAND SC-1A-W421
5365+66 ENTER WETLAND SC-1E-W101
5366+32 EXIT WETLAND SC-1E-W101
5367+30 ENTER WETLAND SC-1E-W101
5367+31 ℄ STONE ROW
5367+42 ℄ GRASS TRAK
5368+42 EXIT WETLAND SC-1E-W101
5368+78 ℄ STONE ROW
5369+48 ENTER WETLAND SC-1E-W100
5372+08 EXIT WETLAND SC-1E-W100
5372+21 ℄ WHARTON HOLLOW RD. (ROUTE 16)
5372+38 ENTER UTILITY POWER LINE
5372+48 ℄ CREAMERY RD.
5372+63 ENTER WETLAND SC-1E-W103
5373+20 EXIT WETLAND SC-1E-W103
5373+54 ENTER WETLAND SC-1E-S102
5373+70 EXIT WETLAND SC-1E-S102
5374+54 PI, 12°00' LT
5374+86 PI, 12°00' LT
5375+18 PI, 12°00' LT
5375+50 PI, 12°00' LT



MATERIAL

63' ① | 111' ④ | 531' ① | 360' ⑤ | 2111' ① | 75' ④ | 1380' ① | 200' ⑤ | 80' ④ | 289' ①

CLASS LOCATION

2 | 1 | 2

LAND USE

RE | RD | AG | UF | PSS | AG | PEM | AG | OL | PEM | AG | PEM | AG | UF | AG | UF | OL | AG | RD | OL | AG | OL | PEM | OL | UF | PEM | UF | PFO | UF | PFO | RD | UF | PFO | WB | UF

ENVIRONMENTAL SITE SPECIFIC E & S

4 | 15A | 3 12 13 14 18 19 29 34 37 40 46 58A 90 91 | 19 29 34 37 40 46 58A 90 91 | 19 29 34 37 40 46 58A 90 91 | 4 | 15A | 3 12 13 14 18 19 29 34 37 40 46 58A 90 91 | 3 12 13 14 18 19 29 34 37 40 46 58A 90 91 | 3 12 13 14 18 19 29 34 37 40 46 58A 90 91 | 4 | 15A | 3 12 13 14 18 19 29 34 37 40 46 58A 90 91 | 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' | 5' | 4' | 5' | 4' | 3' | 4' | 3' | 4' | 3' | 4' | 5' | 3'

SOIL TYPE

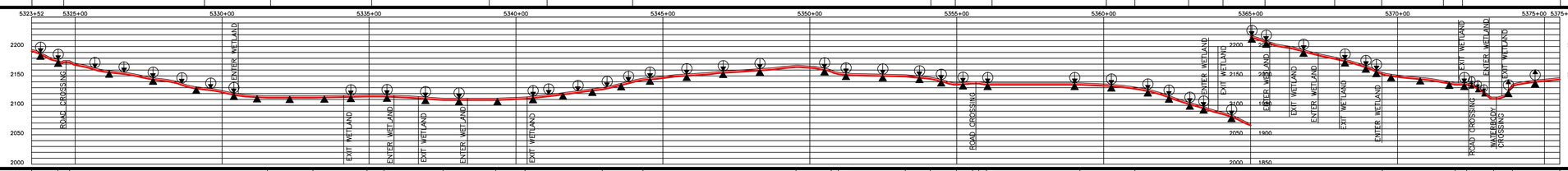
LmD | LmC | VcB | ChC | McC | ChC | McD | LmC | ChC | ChA | VcB | McC | McD | VcC | McD | VcB | VcC | ChC | VcB | LoE

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 SITE 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.

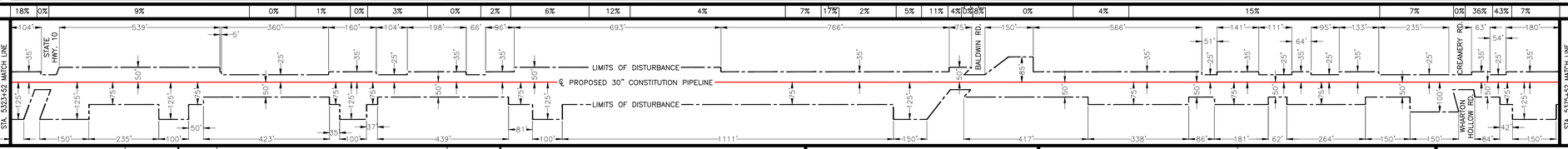
PERMANENT TRENCH BREAKER SPACING IN AGRICULTURAL LAND	
SLOPE (%)	SPACING (FT)
<5	AS REQ.
5–10	150
>10–15	100
>15–20	80
>20–30	70
>30–40	50
>40–100	40
>100	25

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

AVERAGE % SLOPE

18% | 0% | 9% | 0% | 1% | 0% | 3% | 0% | 2% | 6% | 12% | 4% | 7% | 17% | 2% | 5% | 11% | 4% | 0.28% | 0% | 4% | 15% | 7% | 0% | 36% | 43% | 7%

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	4374'			
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	266'			
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	560'			
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

ChA – Chippewa and Norwich stony silt loams
ChC – Chippewa and Norwich stony silt loams
LmC – Lordstown channery silt loam
LmD – Lordstown channery silt loam
LoE – Lordstown and Oquaga very stony soils
McC – Mardin channery silt loam
McD – Mardin channery silt loam
VcB – Volusia channery silt loam
VcC – 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–SC–051.003–1–B 26–07–85/NY–SC–053.004–1–B 26–07–85/NY–SC–060.003–1–B 26–07–85/NY–SC–060.006–1–B	TYPICAL RIGHT–OF–WAY CROSS SECTIONS STATE HIGHWAY 10 BALDWIN ROAD WHARTON HOLLOW ROAD CREAMERY 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. 5323+52 TO STA. 5375+52
SCHOHARIE 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 103 OF 126
W.O. 1110415			