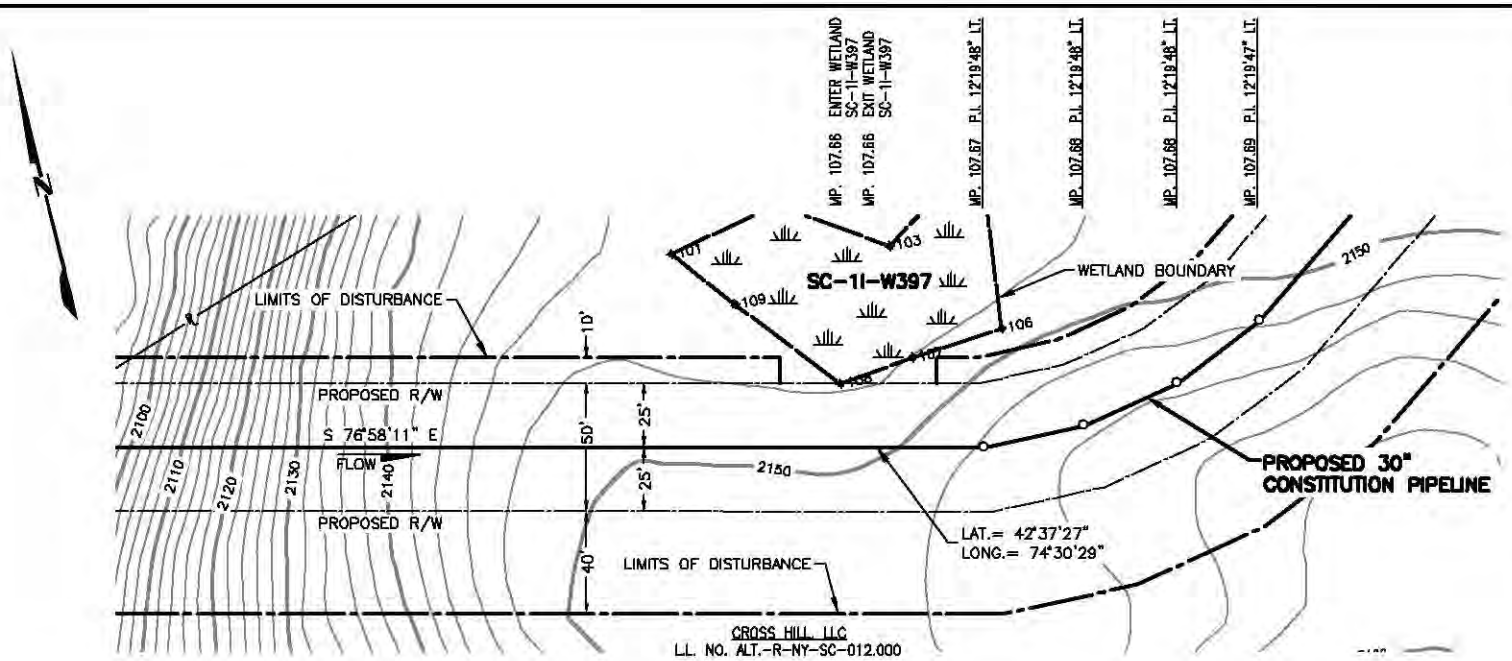
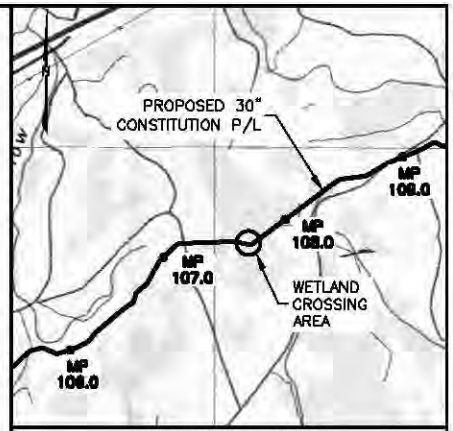


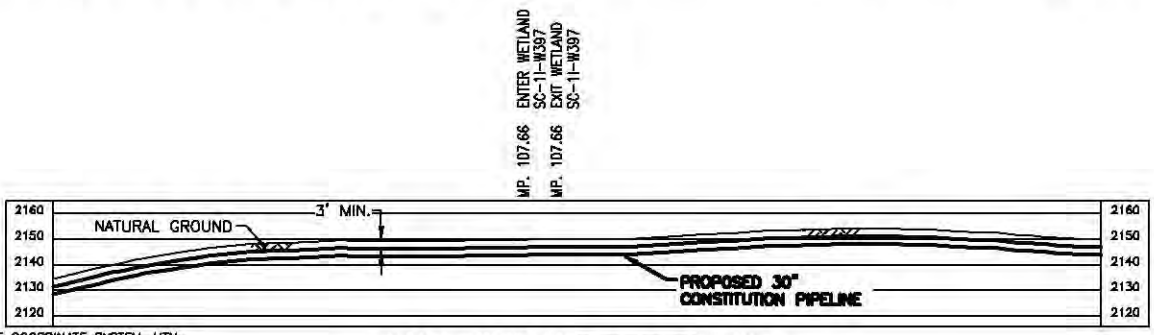


VICINITY MAP

USGS QUAD MAP: AMSTERDAM, NY.

5000' 0 5000'

SCALE IN FEET



30" O.D. x 0.529" W.T. X-70, 15-17 MILS FBE, 1.5 MILS INTERNAL COATING

PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

NOTES:

1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
3. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
4. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN THE ECP BMP TYPICAL DETAILS.
5. WETLAND DELINEATION COMPLETED BY AECOM.
6. THIS DRAWING DEPICTS IMPACTS REQUIRED FOR A JOINT APPLICATION WITH THE USACE AND THE NYDEC. THE PROPOSED R/W IS A 50 FOOT PERMANENT RIGHT-OF-WAY (ROW) THAT REPRESENTS A LEGAL EASEMENT AGREEMENT FROM THE LANDOWNER TO CONSTITUTION.
CONSTRUCTION ACREAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY); OPERATION ACREAGE = 10 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED IN HERBACEOUS VEGETATED COVER THROUGH PSS WETLANDS, AND 30 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED THROUGH PFO WETLANDS.

Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres)					State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
			Construction			Operation				
			PFO	PSS	PEM	PFO	PSS			
SC-1I-W397	PFO	0	0.01					N/A	N	N/A

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER
NO. 69074

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-109	ALIGNMENT SHEET

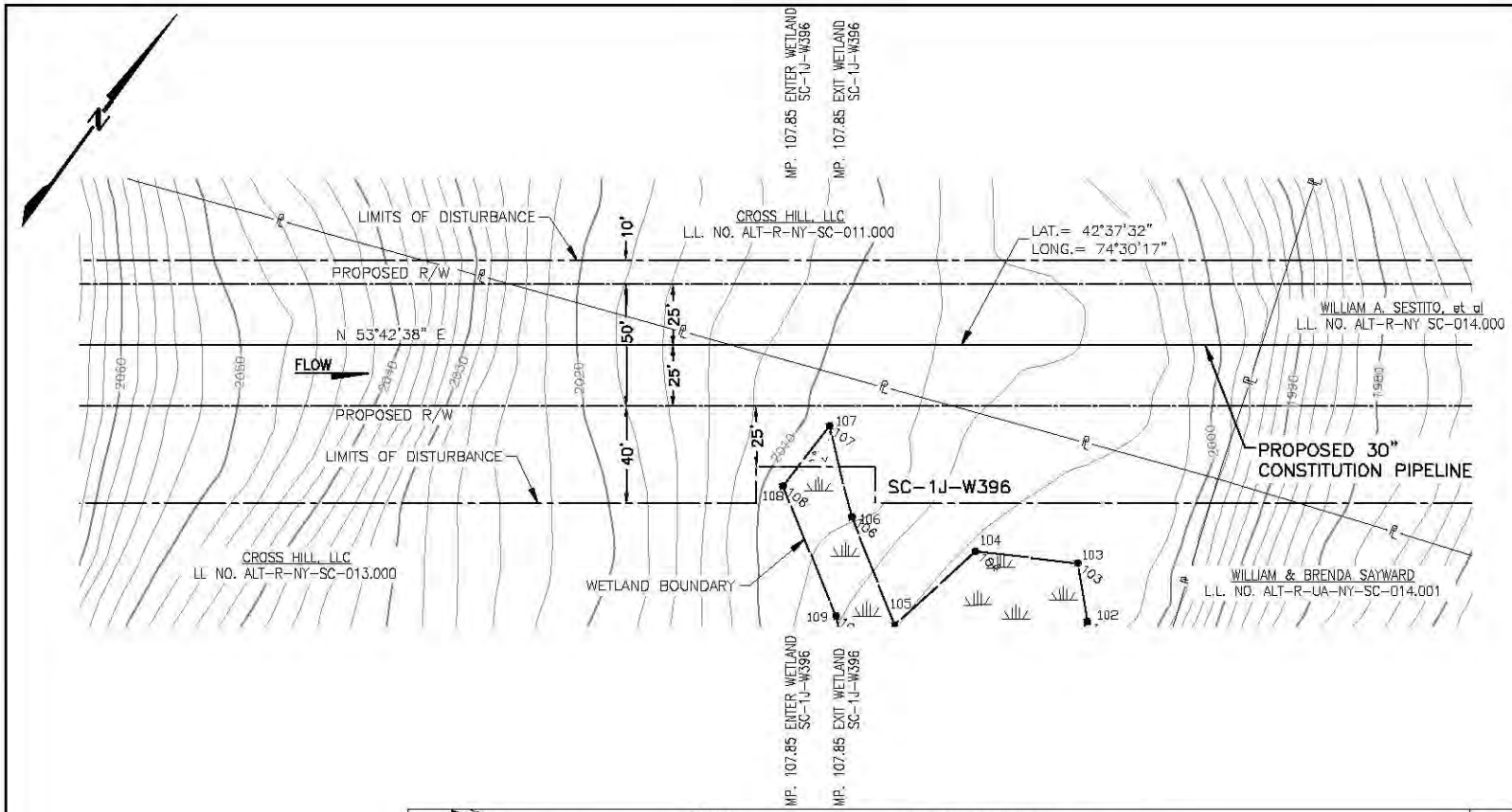
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	08-12-13	GE	ISSUED FOR CLIENT REVIEW	1110415		
0	08-15-13	GE	ISSUE FOR USE	1110415		
1	10-14-13	GE	REVISED - ISSUE FOR USE	1110415		
2	10-28-13	GE	REVISED - ISSUE FOR USE	1110415		
3	10-30-13	GE	ISSUE FOR USE	1110415		

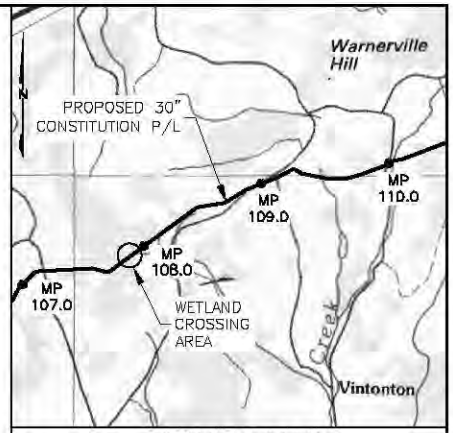
GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

APPLICATION NO.: NAN-2012-00449-UBR

CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING SC-1I-W397 @ N.P. 107.66
TOWN OF RICHMONDVILLE
SCHOHARIE COUNTY, NEW YORK

DRAWN BY: GIE	DATE: 05-20-2013	ISSUED FOR BID:	SCALE: 1"= 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/SC-1I-W397-1-3	SHEET 320 OF 362
WO: 1110415			



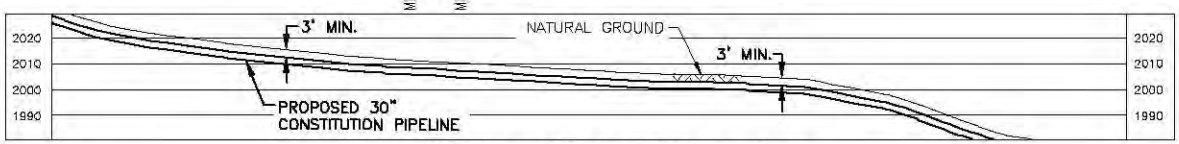


VICINITY MAP

USGS QUAD MAP: AMSTERDAM, NY.

5000' 0 5000'

SCALE IN FEET



30" O.D. x 0.529" W.T. X-70,15-17 MILS FBE,
1.5 MILS INTERNAL COATING

NOTES:

1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
3. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
4. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN THE ECP BMP TYPICAL DETAILS.
5. WETLAND DELINEATION COMPLETED BY AECOM.
6. THIS DRAWING DEPICTS IMPACTS REQUIRED FOR A JOINT APPLICATION WITH THE USACE AND THE NYDEC. THE PROPOSED R/W IS A 50 FOOT PERMANENT RIGHT-OF-WAY (ROW) THAT REPRESENTS A LEGAL EASEMENT AGREEMENT FROM THE LANDOWNER TO CONSTITUTION.
CONSTRUCTION ACREAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY);
OPERATION ACREAGE = 10 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED IN HERBACEOUS VEGETATED COVER THROUGH PSS WETLANDS, AND 30 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED THROUGH PFO WETLANDS.

Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres)					State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
			Construction			Operation				
			PFO	PSS	PEM	PFO	PSS			
SC-1J-W396	PFO	0	0.01					N/A	N	N/A

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER
NO. 69074

PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-109	ALIGNMENT SHEET

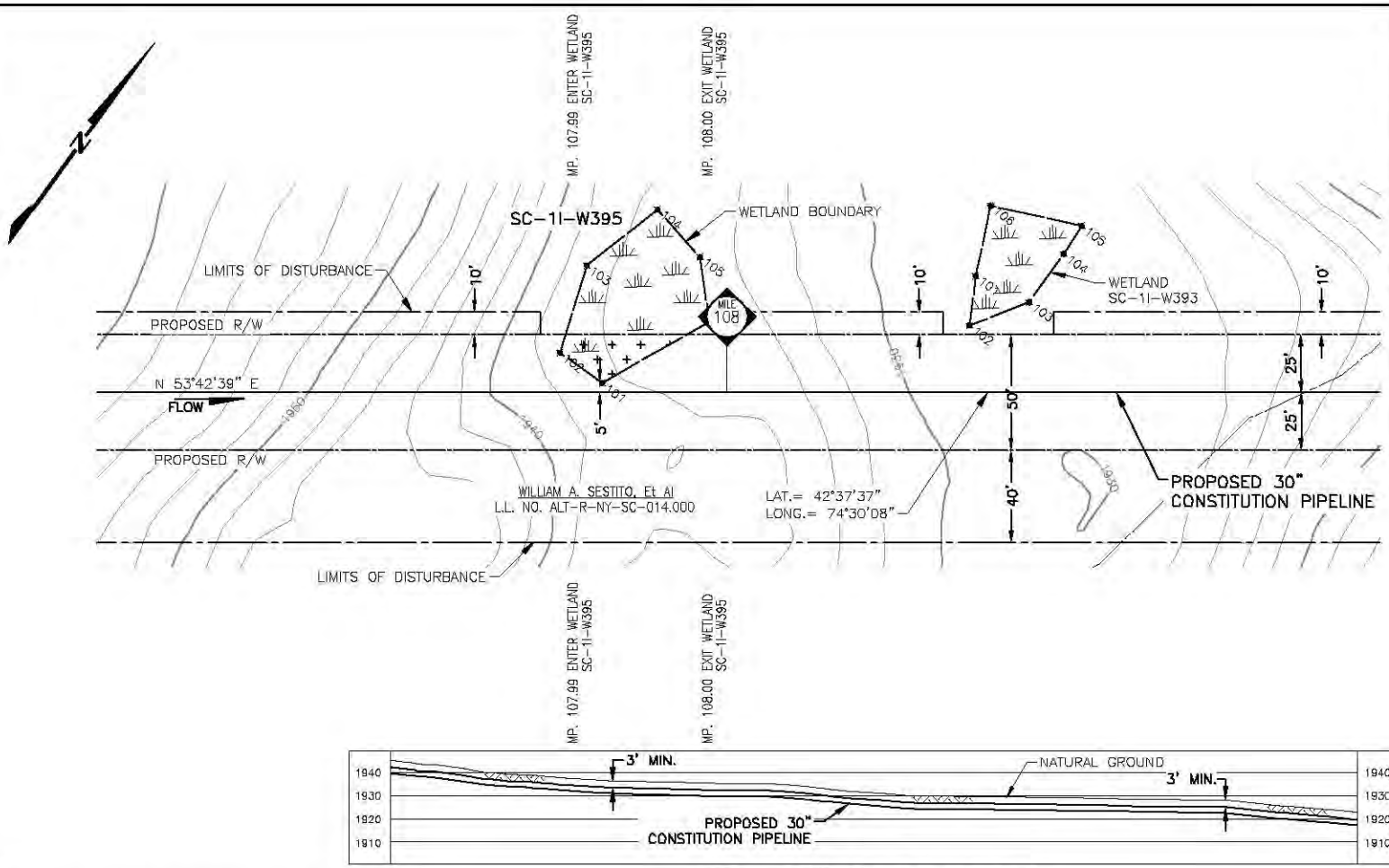
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	08-06-13	GIE	ISSUED FOR CLIENT REVIEW	1110415		
B	08-15-13	GIE	REVISED - ISSUED FOR REVIEW	1110415		
0	08-18-13	GIE	ISSUE FOR USE	1110415		
1	10-14-13	GIE	REVISED - ISSUE FOR USE	1110415		
2	10-28-13	GIE	ISSUE FOR USE	1110415		

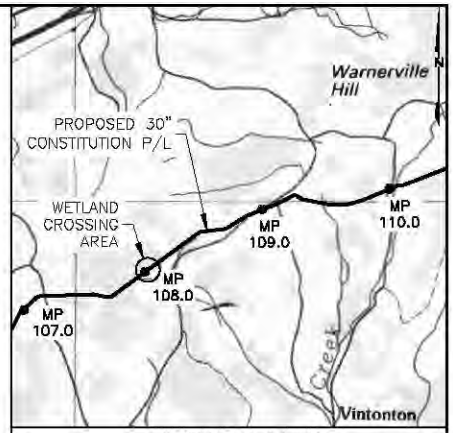
APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING SC-1J-W396 @ M.P. 107.85
TOWN OF RICHMONDVILLE
SCHOHARIE COUNTY, NEW YORK

DRAWN BY: GIE	DATE: 05-21-2013	ISSUED FOR BID:	SCALE: 1"= 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/SC-1J-W396-1-2	SHEET 321 OF 362
WO: 1110415			





VICINITY MAP

USGS QUAD MAP: AMSTERDAM, NY.

5000' 0 5000'

SCALE IN FEET

30" O.D. x 0.529" W.T. X-70,15-17 MILS FBE,
1.5 MILS INTERNAL COATING

NOTES:

1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
3. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
4. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN THE ECP BMP TYPICAL DETAILS.
5. WETLAND DELINEATION COMPLETED BY AECOM.
6. THIS DRAWING DEPICTS IMPACTS REQUIRED FOR A JOINT APPLICATION WITH THE USACE AND THE NYDEC. THE PROPOSED R/W IS A 50 FOOT PERMANENT RIGHT-OF-WAY (ROW) THAT REPRESENTS A LEGAL EASEMENT AGREEMENT FROM THE LANDOWNER TO CONSTITUTION. CONSTRUCTION ACREAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY); OPERATION ACREAGE = 10 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED IN HERBACEOUS VEGETATED COVER THROUGH PSS WETLANDS, AND 30 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED THROUGH PFO WETLANDS.

Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres)					State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
			Construction			Operation				
			PFO	PSS	PEM	PFO	PSS			
SC-1I-W395	PEM	0			0.01			N/A	N	N/A

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER
NO. 69074

PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-109	ALIGNMENT SHEET

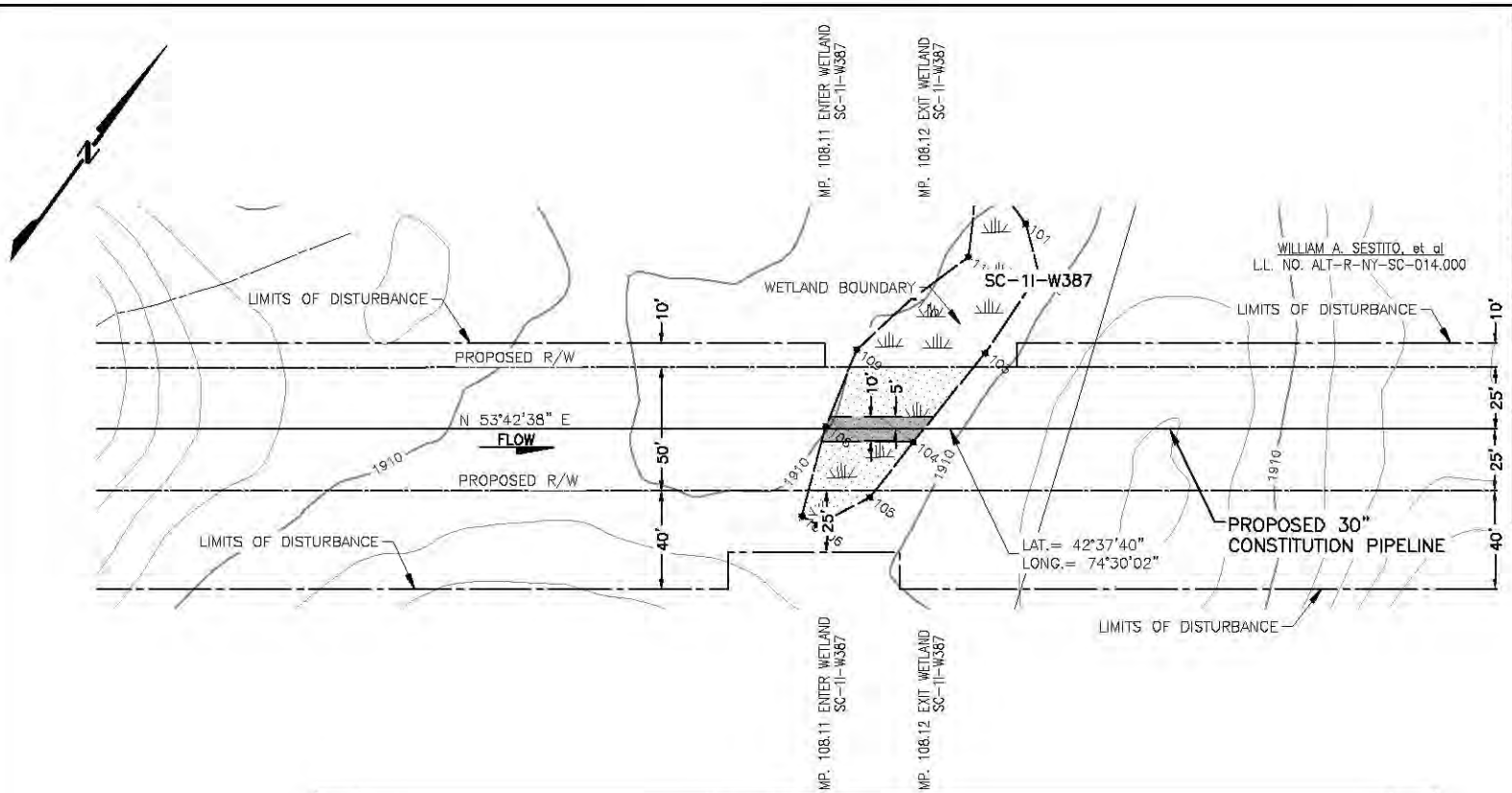
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
C	08-17-13	GIE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
0	08-19-13	GIE	ISSUE FOR USE	1110415		
1	10-14-13	GIE	REVISED - ISSUE FOR USE	1110415		
2	10-27-13	GIE	REVISED - ISSUE FOR USE	1110415		
3	10-31-13	GIE	ISSUE FOR USE	1110415		

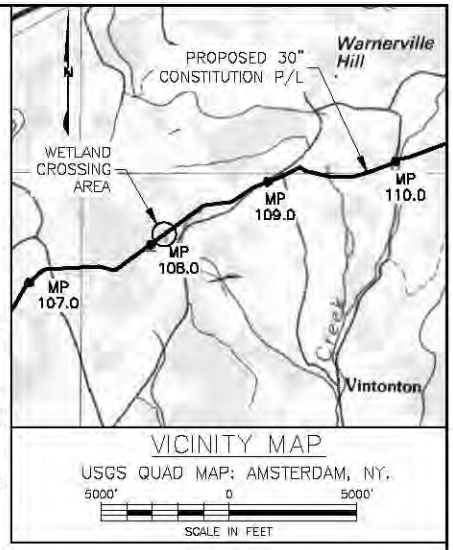
APPLICATION NO.: NAN-2012-00449-UBR

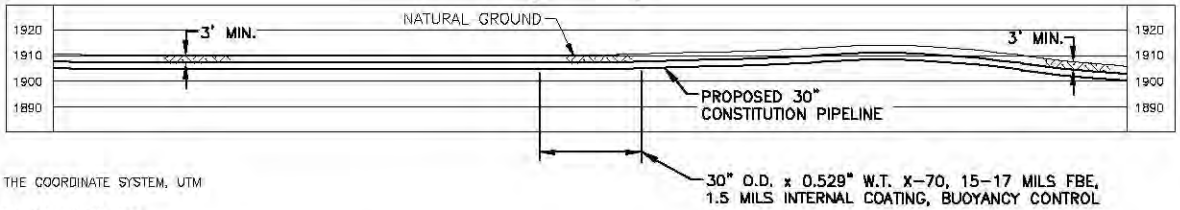
GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING SC-1I-W395 @ M.P. 107.99
TOWN OF RICHMONDVILLE
SCHOHARIE COUNTY, NEW YORK

DRAWN BY: GIE	DATE: 05-22-2013	ISSUED FOR BID:	SCALE: 1"= 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/SC-1I-W395-1-3	SHEET 322 OF 362
WO: 1110415			







NOTES:

1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
3. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
4. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN THE ECP BMP TYPICAL DETAILS.
5. WETLAND DELINEATION COMPLETED BY AECOM.
6. THIS DRAWING DEPICTS IMPACTS REQUIRED FOR A JOINT APPLICATION WITH THE USACE AND THE NYDEC. THE PROPOSED R/W IS A 50 FOOT PERMANENT RIGHT-OF-WAY (ROW) THAT REPRESENTS A LEGAL EASEMENT AGREEMENT FROM THE LANDOWNER TO CONSTITUTION. CONSTRUCTION ACREAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY); OPERATION ACREAGE = 10 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED IN HERBACEOUS VEGETATED COVER THROUGH PSS WETLANDS, AND 30 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED THROUGH PFO WETLANDS.

Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres)					State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
			Construction			Operation				
			PFO	PSS	PEM	PFO	PSS			
SC-1I-W387	PSS	40		0.05			0.01	N/A	N	Conventional

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER
NO. 69074

PLAN/PROFILE

0 40 80 120 160
SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-110	ALIGNMENT SHEET

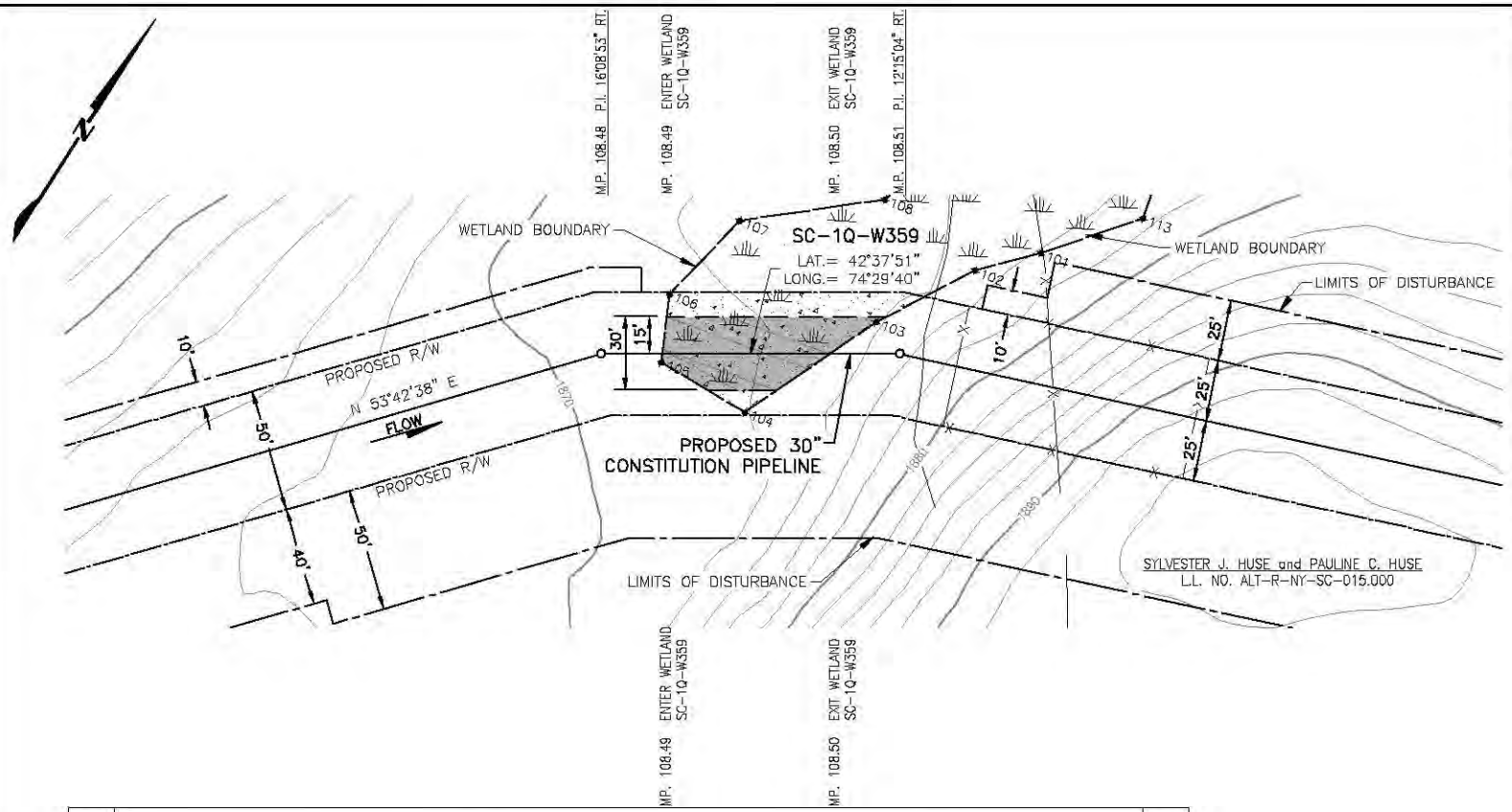
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
C	08-17-13	GIE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
0	08-19-13	GIE	ISSUE FOR USE	1110415		
1	10-14-13	GIE	REVISED - ISSUE FOR USE	1110415		
2	10-28-13	GIE	REVISED - ISSUE FOR USE	1110415		
3	10-30-13	GIE	ISSUE FOR USE	1110415		

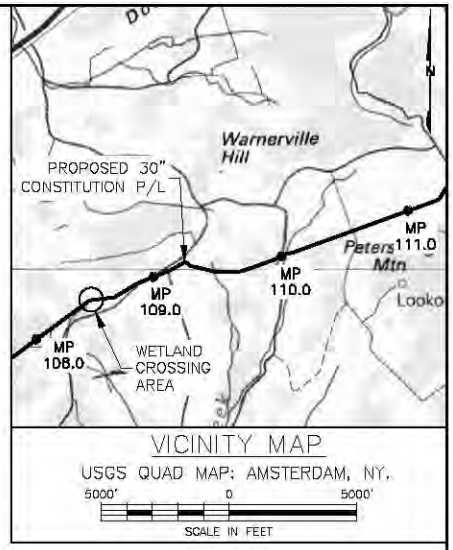
APPLICATION NO.: NAN-2012-00449-UBR

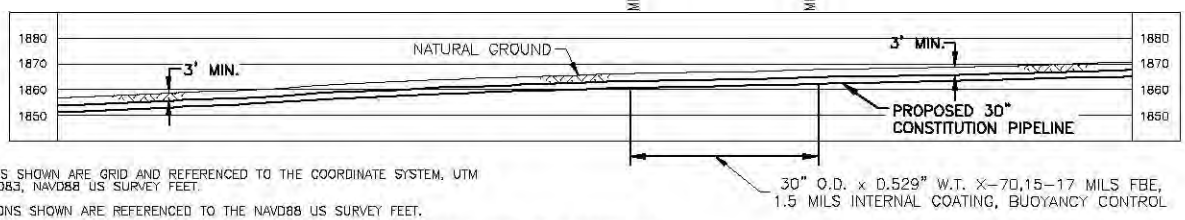
GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING SC-1I-W387 @ M.P. 108.11
TOWN OF RICHMONDVILLE
SCHOHARIE COUNTY, NEW YORK

DRAWN BY: GIE	DATE: 05-22-2013	ISSUED FOR BID:	SCALE: 1"= 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/SC-1I-W387-1-3	SHEET 323 OF 362
WO: 1110415			







NOTES:

1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
3. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
4. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN THE ECP BMP TYPICAL DETAILS.
5. WETLAND DELINEATION COMPLETED BY AECOM.
6. THIS DRAWING DEPICTS IMPACTS REQUIRED FOR A JOINT APPLICATION WITH THE USACE AND THE NYDEC. THE PROPOSED R/W IS A 50 FOOT PERMANENT RIGHT-OF-WAY (ROW) THAT REPRESENTS A LEGAL EASEMENT AGREEMENT FROM THE LANDOWNER TO CONSTITUTION. CONSTRUCTION ACREAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY); OPERATION ACREAGE = 10 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED IN HERBACEOUS VEGETATED COVER THROUGH PSS WETLANDS, AND 30 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED THROUGH PFO WETLANDS.

Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres) Construction PFO	Construction PSS	Construction PEM	Operation PFO	Operation PSS	State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
SC-1Q-W359	PFO	68	0.07			0.04		N/A	N	Conventional

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER
NO. 69074

PLAN/PROFILE

0 40 80 120 160
SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-110	ALIGNMENT SHEET

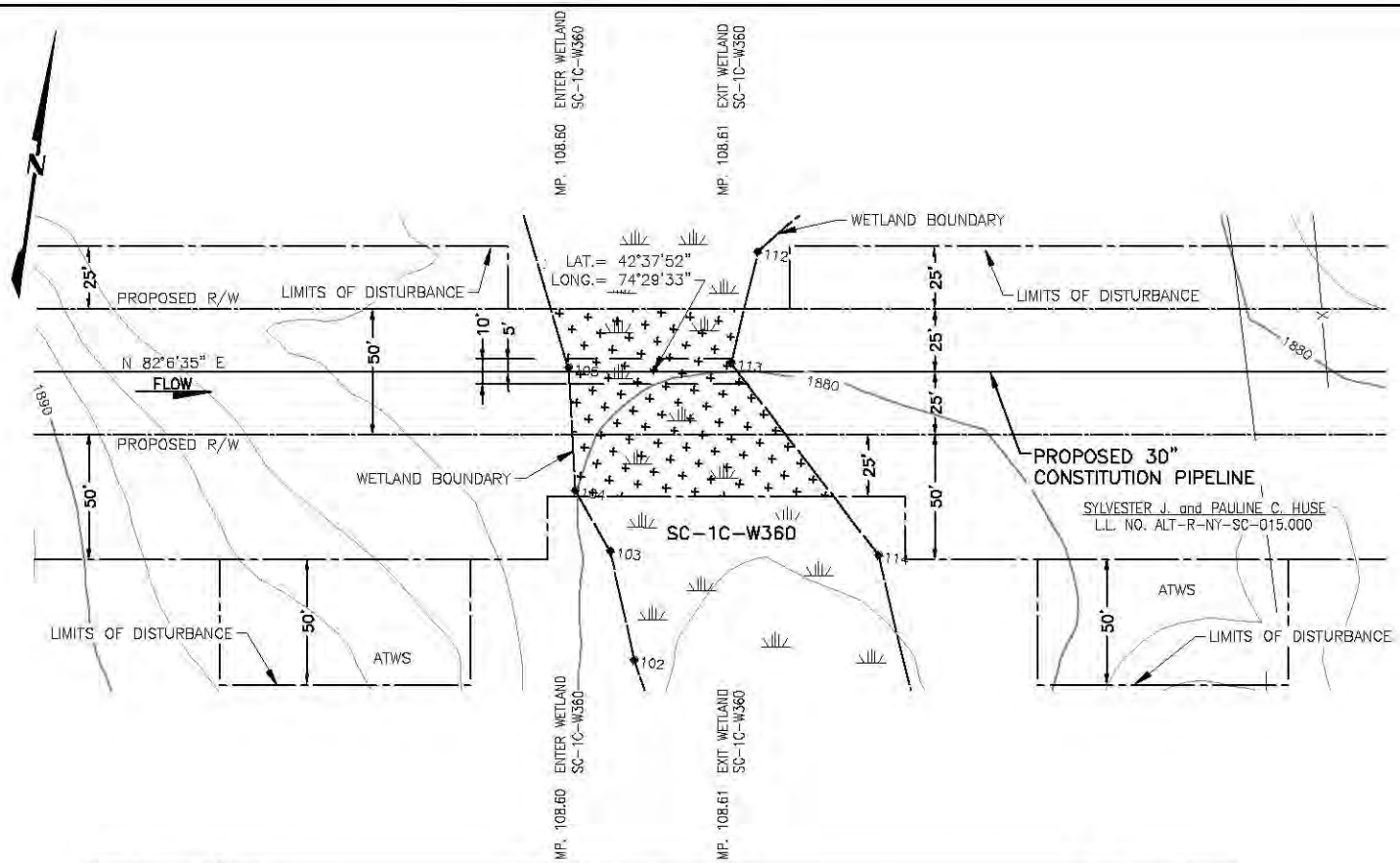
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
B	08-13-13	GIE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
C	08-19-13	GIE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
0	08-19-13	GIE	ISSUE FOR USE	1110415		
1	10-15-13	GIE	REVISED - ISSUED FOR USE	1110415		
2	10-27-13	GIE	ISSUE FOR USE	1110415		

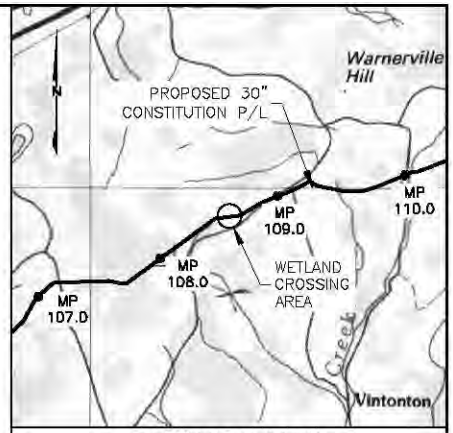
APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING SC-1Q-W359 @ M.P. 108.49
TOWN OF RICHMONDVILLE
SCHOHARIE COUNTY, NEW YORK

DRAWN BY: GIE	DATE: 05-24-2013	ISSUED FOR BID:	SCALE: 1"= 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/SC-1Q-W359-1-2	SHEET 324 OF 362
WO: 1110415			



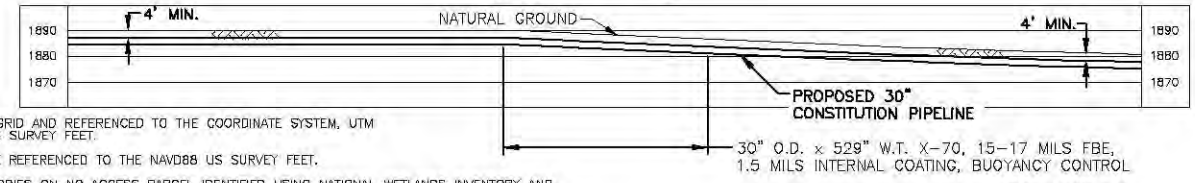


VICINITY MAP

USGS QUAD MAP: AMSTERDAM, NY.

5000' 0 5000'

SCALE IN FEET



PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

NOTES:

1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
3. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
4. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN THE ECP BMP TYPICAL DETAILS.
5. WETLAND DELINEATION COMPLETED BY AECOM.
6. THIS DRAWING DEPICTS IMPACTS REQUIRED FOR A JOINT APPLICATION WITH THE USACE AND THE NYDEC. THE PROPOSED R/W IS A 50 FOOT PERMANENT RIGHT-OF-WAY (ROW) THAT REPRESENTS A LEGAL EASEMENT AGREEMENT FROM THE LANDOWNER TO CONSTITUTION. CONSTRUCTION ACREAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY); OPERATION ACREAGE = 10 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED IN HERBACEOUS VEGETATED COVER THROUGH PSS WETLANDS, AND 30 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED THROUGH PFO WETLANDS.

Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres) Construction PFO	Construction PSS	Construction PEM	Operation PFO	Operation PSS	State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
SC-1C-W360	PEM	68			0.14			N/A	N	Conventional

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER
NO. 69074

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-110	ALIGNMENT SHEET

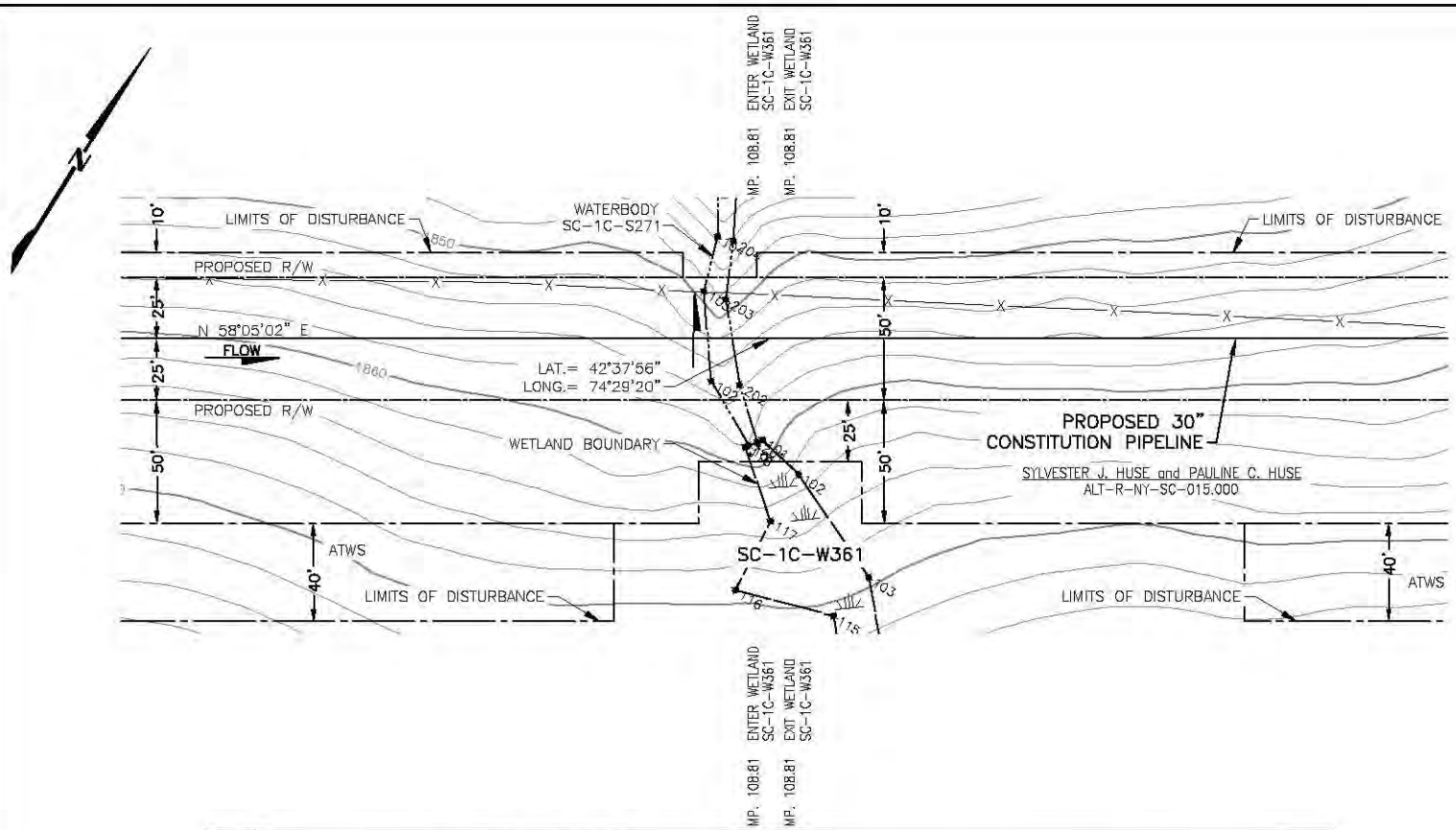
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
B	08-14-13	GIE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
C	08-16-13	GIE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
0	08-19-13	GIE	ISSUE FOR USE	1110415		
1	10-15-13	GIE	REVISED - ISSUED FOR USE	1110415		
2	10-29-13	GIE	ISSUE FOR USE	1110415		

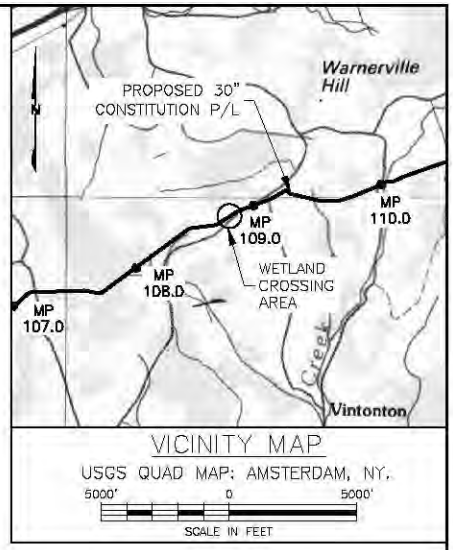
APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING SC-1C-W360 @ M.P. 108.60
TOWN OF RICHMONDVILLE
SCHOHARIE COUNTY, NEW YORK

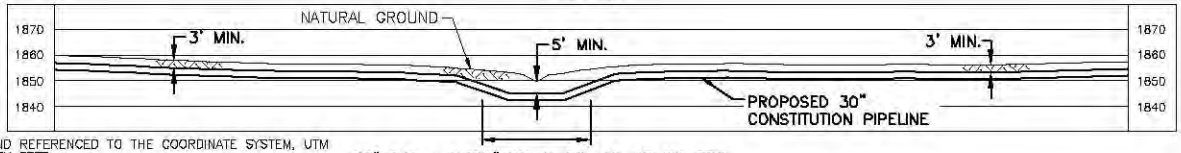
DRAWN BY: GIE	DATE: 05-24-2013	ISSUED FOR BID:	SCALE: 1"= 50'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/SC-1C-W360-1-2	SHEET 325 OF 362
WO: 1110415			





VICINITY MAP

USGS QUAD MAP: AMSTERDAM, NY.



30" O.D. x 0.529" WT. X-70, 15-17 MIL FBE, 1.5 MIL INTERNAL COATING

NOTES:

1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
3. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
4. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN THE ECP BMP TYPICAL DETAILS.
5. WETLAND DELINEATION COMPLETED BY AECOM.
6. THIS DRAWING DEPICTS IMPACTS REQUIRED FOR A JOINT APPLICATION WITH THE USACE AND THE NYDEC. THE PROPOSED R/W IS A 50 FOOT PERMANENT RIGHT-OF-WAY (ROW) THAT REPRESENTS A LEGAL EASEMENT AGREEMENT FROM THE LANDOWNER TO CONSTITUTION. CONSTRUCTION ACREAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY); OPERATION ACREAGE = 10 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED IN HERBACEOUS VEGETATED COVER THROUGH PSS WETLANDS, AND 30 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED THROUGH PFO WETLANDS.

Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres) Construction PFO	Construction PSS	Construction PEM	Operation PFO	Operation PSS	State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
SC-1C-W361	PEM				0.01			N/A	N	N/A

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER NO. 69074

PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-110	ALIGNMENT SHEET

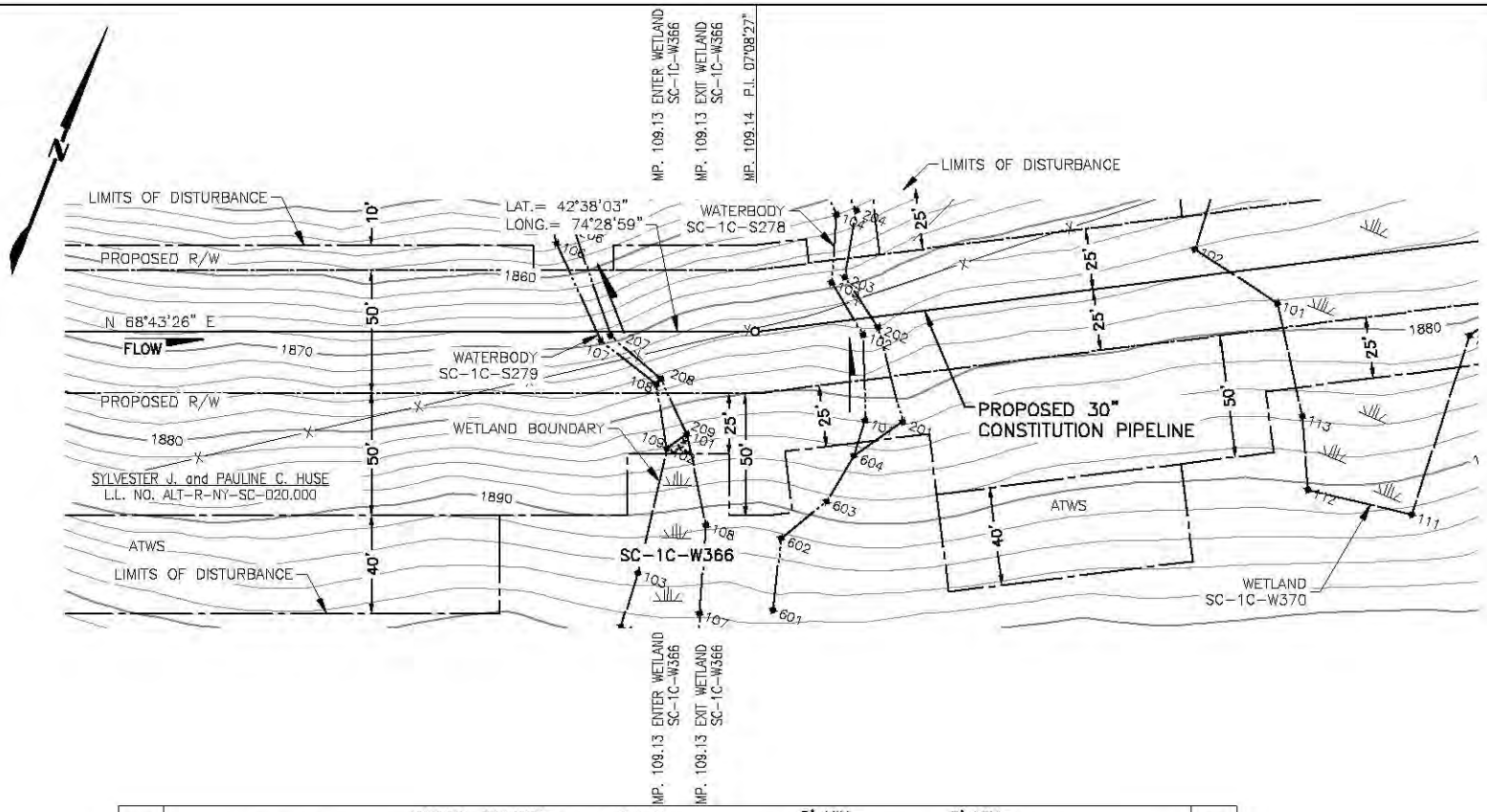
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
B	08-14-13	GIE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
0	08-17-13	GIE	ISSUE FOR USE	1110415		
1	10-15-13	GIE	REVISED - ISSUE FOR USE	1110415		
2	10-28-13	GIE	REVISED - ISSUE FOR USE	1110415		
3	10-31-13	GIE	ISSUE FOR USE	1110415		

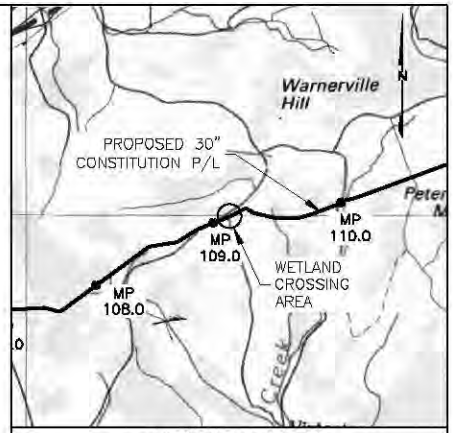
APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING SC-1C-W361 @ M.P. 108.81
TOWN OF RICHMONDVILLE
SCHOHARIE COUNTY, NEW YORK

DRAWN BY: GIE	DATE: 05-25-2013	ISSUED FOR BID:	SCALE: 1"= 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/SC-1C-W361-1-3	SHEET 326 OF 362
WO: 1110415			



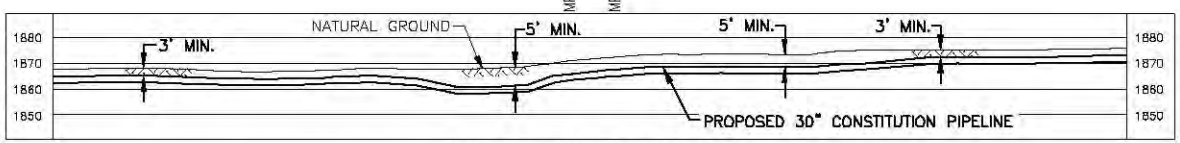


VICINITY MAP

USGS QUAD MAP: AMSTERDAM, NY.

5000' 0 5000'

SCALE IN FEET



30" O.D. x 0.529" W.T. X-70, 15-17 MILS FBE, 1.5 MILS INTERNAL COATING

NOTES:

1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
3. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
4. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN THE ECP BMP TYPICAL DETAILS.
5. WETLAND DELINEATION COMPLETED BY AECOM.
6. THIS DRAWING DEPICTS IMPACTS REQUIRED FOR A JOINT APPLICATION WITH THE USACE AND THE NYDEC. THE PROPOSED R/W IS A 50 FOOT PERMANENT RIGHT-OF-WAY (ROW) THAT REPRESENTS A LEGAL EASEMENT AGREEMENT FROM THE LANDOWNER TO CONSTITUTION. CONSTRUCTION ACREAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY); OPERATION ACREAGE = 10 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED IN HERBACEOUS VEGETATED COVER THROUGH PSS WETLANDS, AND 30 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED THROUGH PFO WETLANDS.

Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres)					State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
			Construction			Operation				
			PFO	PSS	PEM	PFO	PSS			
SC-1C-W366	PEM	0			0.01			N/A	N	N/A

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER
NO. 69074

PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-111	ALIGNMENT SHEET

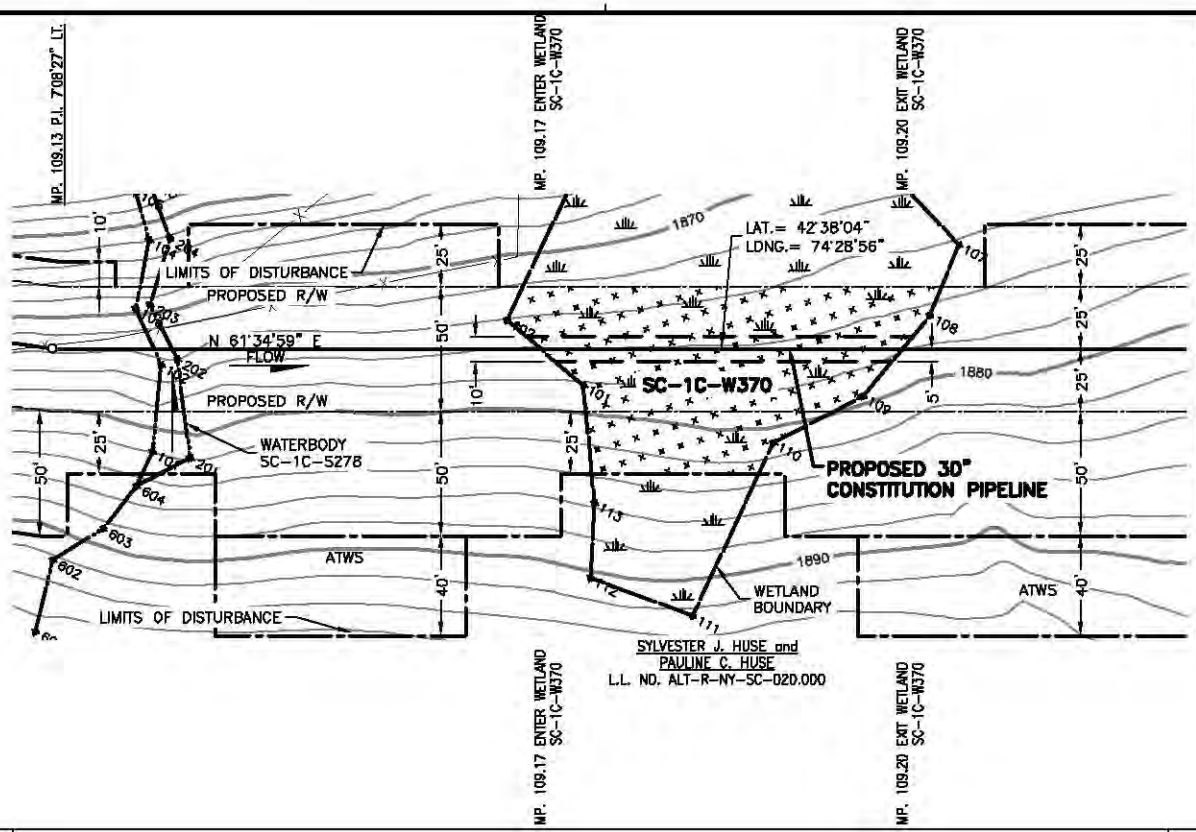
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
B	08-08-13	GIE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
0	08-17-13	GIE	ISSUE FOR USE	1110415		
1	10-15-13	GIE	REVISED - ISSUE FOR USE	1110415		
2	10-25-13	GIE	REVISED - ISSUE FOR USE	1110415		
3	10-30-13	GIE	ISSUE FOR USE	1110415		

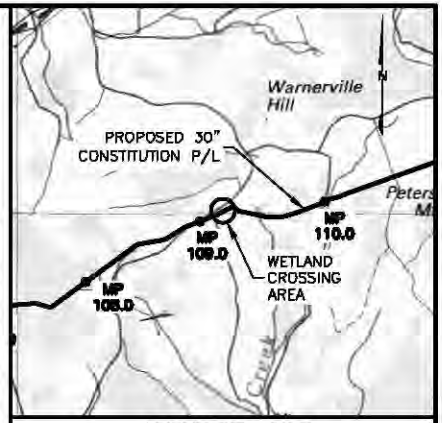
APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING SC-1C-W366 @ M.P. 109.13
TOWN OF RICHMONDVILLE
SCHOHARIE COUNTY, NEW YORK

DRAWN BY: GIE	DATE: 05-28-2013	ISSUED FOR BID:	SCALE: 1"= 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/SC-1C-W366-1-3	SHEET 327 OF 362
WO: 1110415			



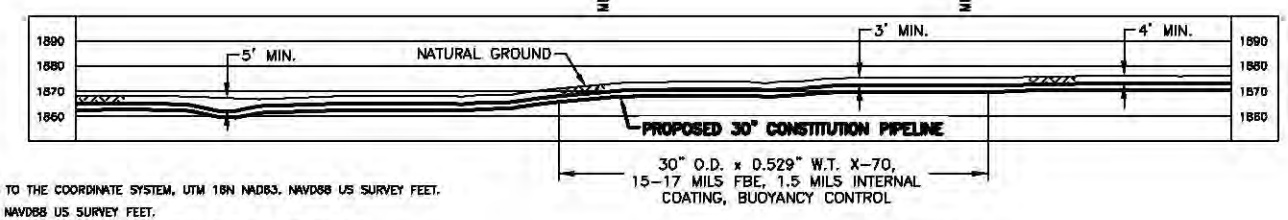


VICINITY MAP

USGS QUAD MAP: AMSTERDAM, NY.

5000' 0 5000'

SCALE IN FEET



PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

NOTES:

1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83. NAVD88 US SURVEY FEET.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
3. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
4. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN THE ECP BMP TYPICAL DETAILS.
5. WETLAND DELINEATION COMPLETED BY AECOM.
6. THIS DRAWING DEPICTS IMPACTS REQUIRED FOR A JOINT APPLICATION WITH THE USACE AND THE NYDEC. THE PROPOSED R/W IS A 50 FOOT PERMANENT RIGHT-OF-WAY (ROW) THAT REPRESENTS A LEGAL EASEMENT AGREEMENT FROM THE LANDOWNER TO CONSTITUTION.
   CONSTRUCTION ACREAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY);
   OPERATION ACREAGE = 10 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED IN HERBACEOUS VEGETATED COVER THROUGH PSS WETLANDS, AND 30 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED THROUGH PFO WETLANDS.

Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres)					State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
			Construction			Operation				
			PFO	PSS	PEM	PFO	PSS			
SC-1C-W370	PEM	145			0.21			N/A	N	Conventional

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER
NO. 69074

DRAWING NO.	REFERENCE TITLE
26-26-70/D001-111	ALIGNMENT SHEET

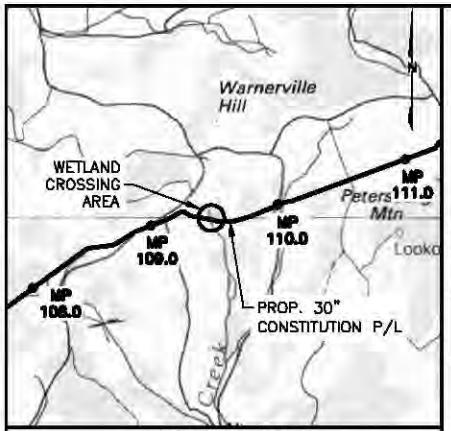
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
0	08-19-13	GIE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
0	08-20-13	GIE	ISSUE FOR USE	1110415		
1	10-15-13	GIE	REVISED - ISSUE FOR USE	1110415		
2	10-25-13	GIE	REVISED - ISSUE FOR USE	1110415		
3	10-30-13	GIE	ISSUE FOR USE	1110415		

APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING SC-1C-W370 @ M.P. 109.17
TOWN OF RICHMONDVILLE
SCHOHARIE COUNTY, NEW YORK

DRAWN BY: GIE	DATE: 05-29-2013	ISSUED FOR BID:	SCALE: 1"= 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/SC-1C-W370-1-3	SHEET 328 OF 362
WO: 1110415			

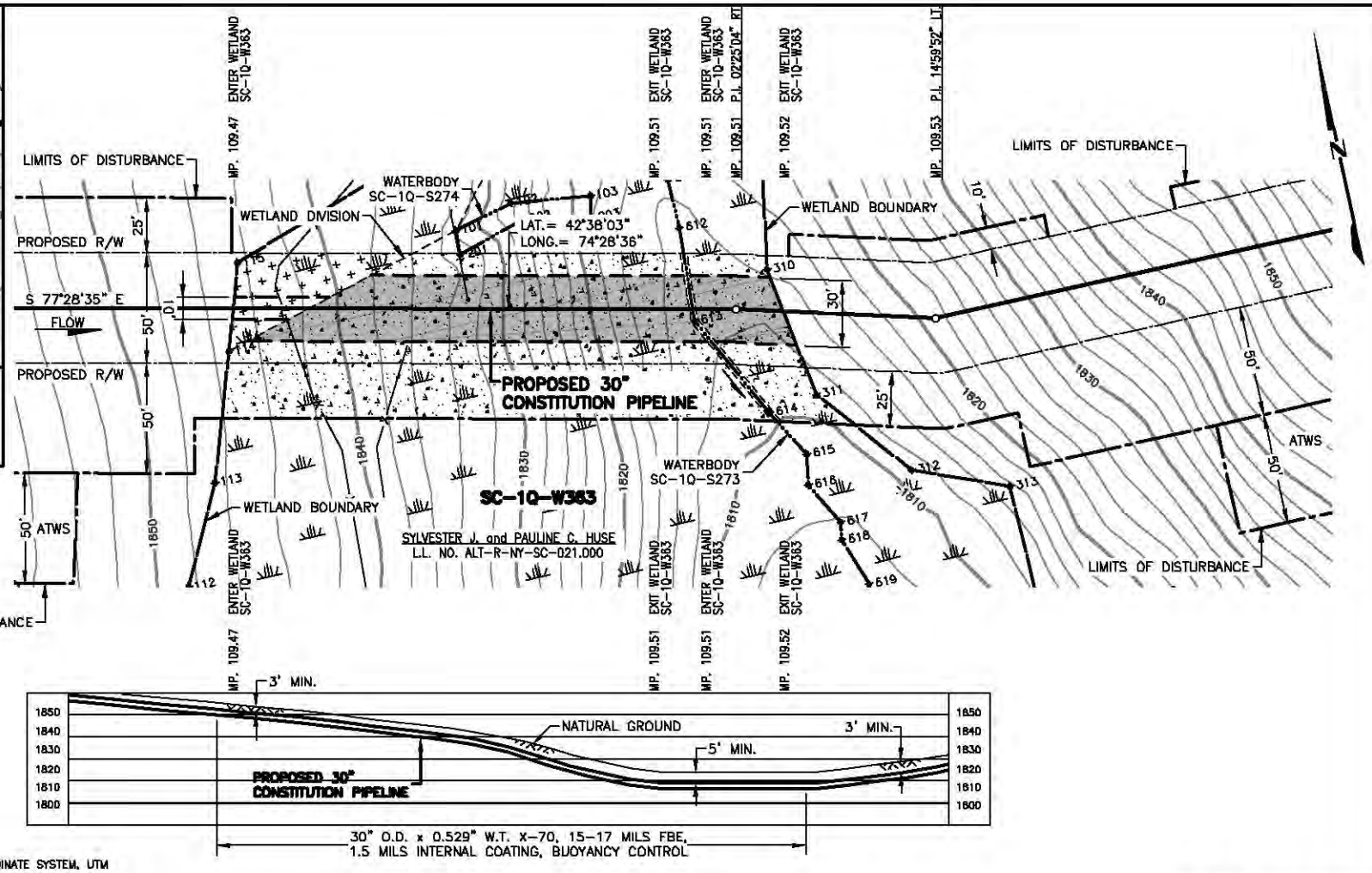


VICINITY MAP

USGS QUAD MAP: AMSTERDAM, NY.

5000' 0 5000'

SCALE IN FEET



NOTES:

1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
3. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
4. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN THE ECP BMP TYPICAL DETAILS.
5. WETLAND DELINEATION COMPLETED BY AECOM.
6. THIS DRAWING DEPICTS IMPACTS REQUIRED FOR A JOINT APPLICATION WITH THE USACE AND THE NYDEC. THE PROPOSED R/W IS A 50 FOOT PERMANENT RIGHT-OF-WAY (ROW) THAT REPRESENTS A LEGAL EASEMENT AGREEMENT FROM THE LANDOWNER TO CONSTITUTION. CONSTRUCTION ACREAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY); OPERATION ACREAGE = 10 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED IN HERBACEOUS VEGETATED COVER THROUGH PSS WETLANDS, AND 30 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED THROUGH PFO WETLANDS.

Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres) Construction PFO	Construction PSS	Construction PEM	Operation PFO	Operation PSS	State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
SC-1Q-W363	PEM/PFO	248	0.38		0.05	0.15		N/A	N	Conventional

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER
NO. 69074

PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-111	ALIGNMENT SHEET

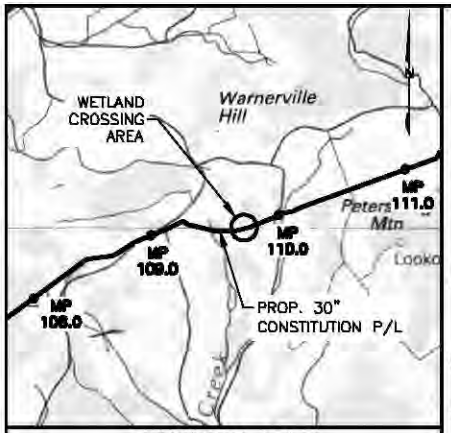
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	08-14-13	GIE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
0	08-17-13	GIE	ISSUE FOR USE	1110415		
1	10-25-13	GIE	REVISED - ISSUE FOR USE	1110415		
2	10-29-13	GIE	REVISED - ISSUE FOR USE	1110415		
3	10-30-13	GIE	ISSUE FOR USE	1110415		

APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING SC-1Q-W363 @ M.P. 109.47
TOWN OF RICHMONDVILLE
SCHOHARIE COUNTY, NEW YORK

DRAWN BY: GIE	DATE: 06-05-2013	ISSUED FOR BID:	SCALE: 1" = 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/SC-1Q-W363-1-3	SHEET 329 OF 362
WO: 1110415			

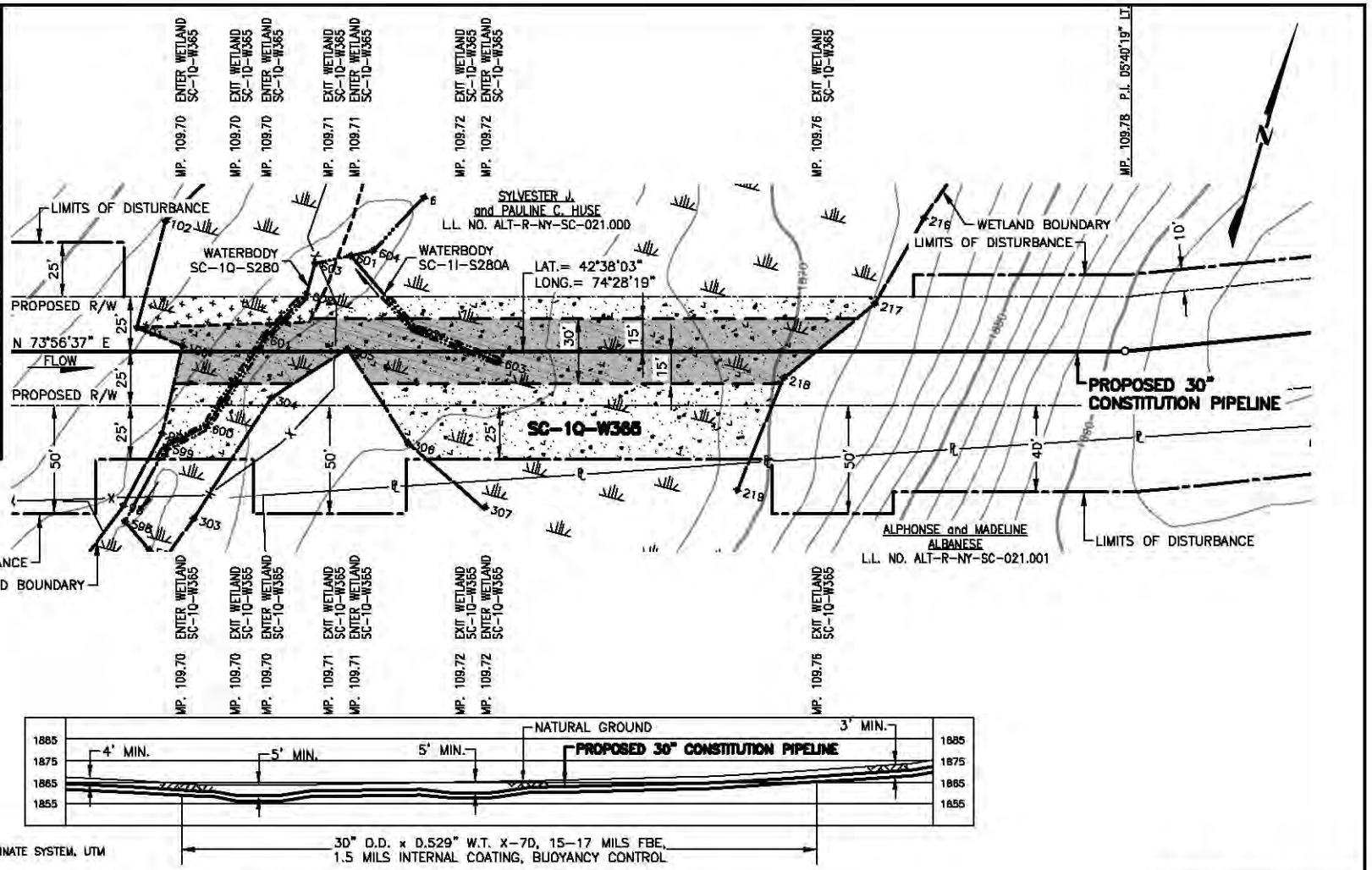


VICINITY MAP

USGS QUAD MAP: AMESTERDAM, NY.

5000' 0 5000'

SCALE IN FEET



NOTES:

1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
3. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
4. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN THE ECP BMP TYPICAL DETAILS.
5. WETLAND DELINEATION COMPLETED BY AECOM.
6. THIS DRAWING DEPICTS IMPACTS REQUIRED FOR A JOINT APPLICATION WITH THE USACE AND THE NYDEC. THE PROPOSED R/W IS A 50 FOOT PERMANENT RIGHT-OF-WAY (ROW) THAT REPRESENTS A LEGAL EASEMENT AGREEMENT FROM THE LANDOWNER TO CONSTITUTION. CONSTRUCTION ACREAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY); OPERATION ACREAGE = 10 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED IN HERBACEOUS VEGETATED COVER THROUGH PSS WETLANDS, AND 30 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED THROUGH PFO WETLANDS.

Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres) Construction PFO	Construction PSS	Construction PEM	Operation PFO	Operation PSS	State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
SC-1Q-W365	PFO, PEM	278	0.41		0.02	0.19		N/A	N	Conventional

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER NO. 69074

PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-111	ALIGNMENT SHEET

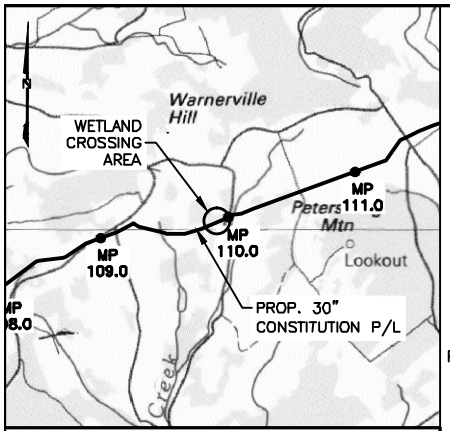
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	08-06-13	GIE	ISSUED FOR CLIENT REVIEW	1110415		
B	08-14-13	GIE	REVISED - ISSUED FOR REVIEW	1110415		
D	08-17-13	GIE	ISSUE FOR USE	1110415		
1	10-25-13	GIE	REVISED - ISSUE FOR USE	1110415		
2	10-31-13	GIE	ISSUE FOR USE	1110415		

APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING SC-1Q-W365 @ M.P. 109.70
TOWN OF RICHMONDVILLE
SCHOHARIE COUNTY, NEW YORK

DRAWN BY: GIE	DATE: 06-05-2013	ISSUED FOR BID:	SCALE: 1" = 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/SC-1Q-W365-1-2	SHEET 330 OF 362
WO: 1110415			

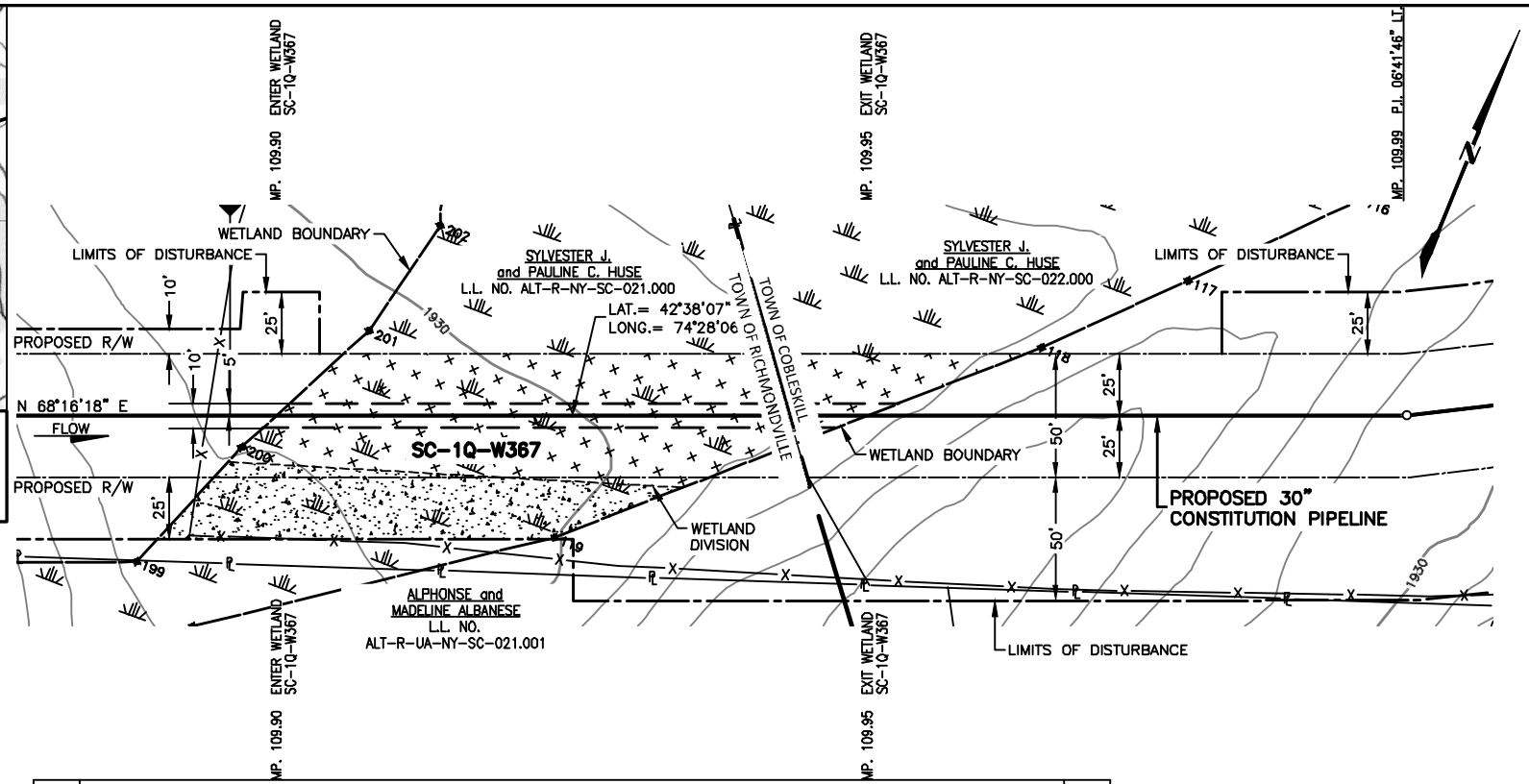


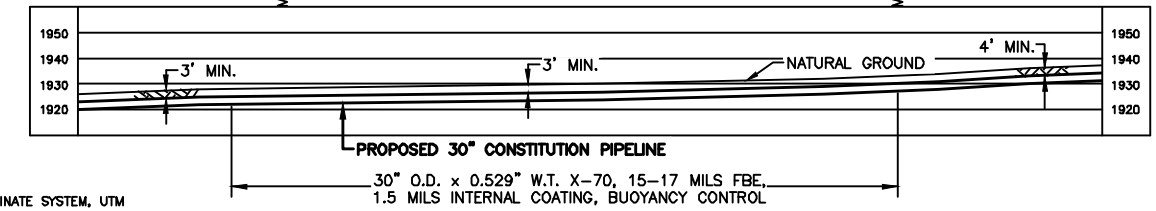
VICINITY MAP

USGS QUAD MAP: AMSTERDAM, NY.

5000' 0 5000'

SCALE IN FEET





NOTES:

1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
3. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
4. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN THE ECP BMP TYPICAL DETAILS.
5. WETLAND DELINEATION COMPLETED BY AECOM.
6. THIS DRAWING DEPICTS IMPACTS REQUIRED FOR A JOINT APPLICATION WITH THE USACE AND THE NYDEC. THE PROPOSED R/W IS A 50 FOOT PERMANENT RIGHT-OF-WAY (ROW) THAT REPRESENTS A LEGAL EASEMENT AGREEMENT FROM THE LANDOWNER TO CONSTITUTION. CONSTRUCTION ACREAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY); OPERATION ACREAGE = 10 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED IN HERBACEOUS VEGETATED COVER THROUGH PSS WETLANDS, AND 30 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED THROUGH PFO WETLANDS.

Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres)					State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
			Construction			Operation				
			PFO	PSS	PEM	PFO	PSS			
SC-1Q-W367	PFO/PEM	240	0.11		0.27			N/A	N	Conventional

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER
NO. 69074

PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-111	ALIGNMENT SHEET

NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
B	08-14-13	GIE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
C	08-17-13	GIE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
0	08-19-13	GIE	ISSUE FOR USE	1110415		
1	10-25-13	GIE	REVISED - ISSUE FOR USE	1110415		
2	10-31-13	GIE	ISSUE FOR USE	1114015		

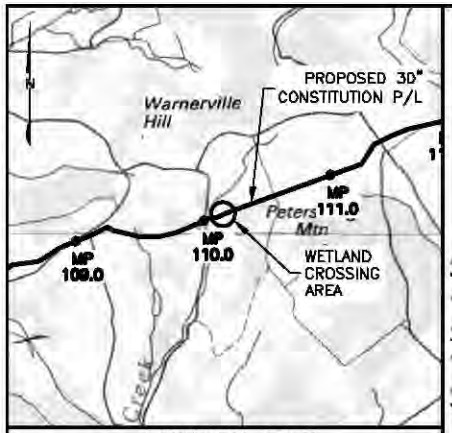
GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

APPLICATION NO.: NAN-2012-00449-UBR

CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING SC-1Q-W367 @ M.P. 109.90
TOWN OF RICHMONDVILLE & TOWN OF COBLESKILL
SCHOHARIE COUNTY, NEW YORK

CONSTITUTION PIPELINE

DRAWN BY: GIE	DATE: 06-06-2013	ISSUED FOR BID:	SCALE: 1" = 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/SC-1Q-W367-1-2	SHEET 331 OF 362
WO: 1110415			

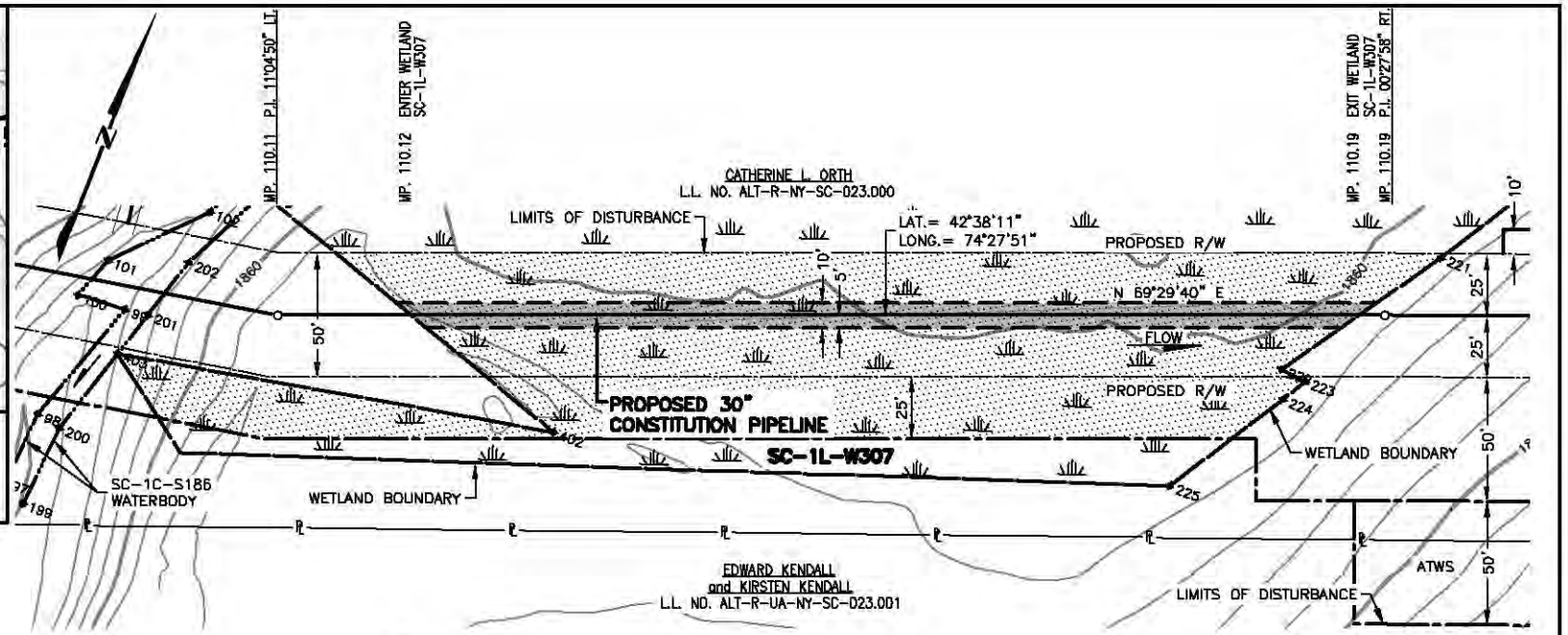


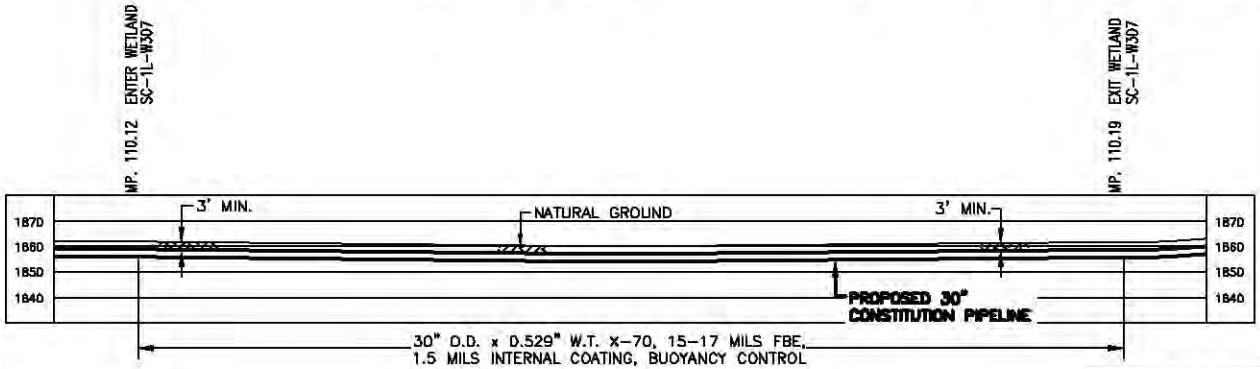
VICINITY MAP

USGS QUAD MAP: AMSTERDAM, NY

5000' 0 5000'

SCALE IN FEET





PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

NOTES:

1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
3. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
4. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN THE ECP BMP TYPICAL DETAILS.
5. WETLAND DELINEATION COMPLETED BY AECOM.
6. THIS DRAWING DEPICTS IMPACTS REQUIRED FOR A JOINT APPLICATION WITH THE USACE AND THE NYDEC. THE PROPOSED R/W IS A 50 FOOT PERMANENT RIGHT-OF-WAY (ROW) THAT REPRESENTS A LEGAL EASEMENT AGREEMENT FROM THE LANDOWNER TO CONSTITUTION. CONSTRUCTION ACREAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY); OPERATION ACREAGE = 10 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED IN HERBACEOUS VEGETATED COVER THROUGH PSS WETLANDS, AND 30 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED THROUGH PFO WETLANDS.

Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres) Construction PFO	Construction PSS	Construction PEM	Operation PFO	Operation PSS	State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
SC-1L-W307	PSS	384		0.69			0.09	N/A	N	Conventional

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER
NO. 69074

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-112	ALIGNMENT SHEET

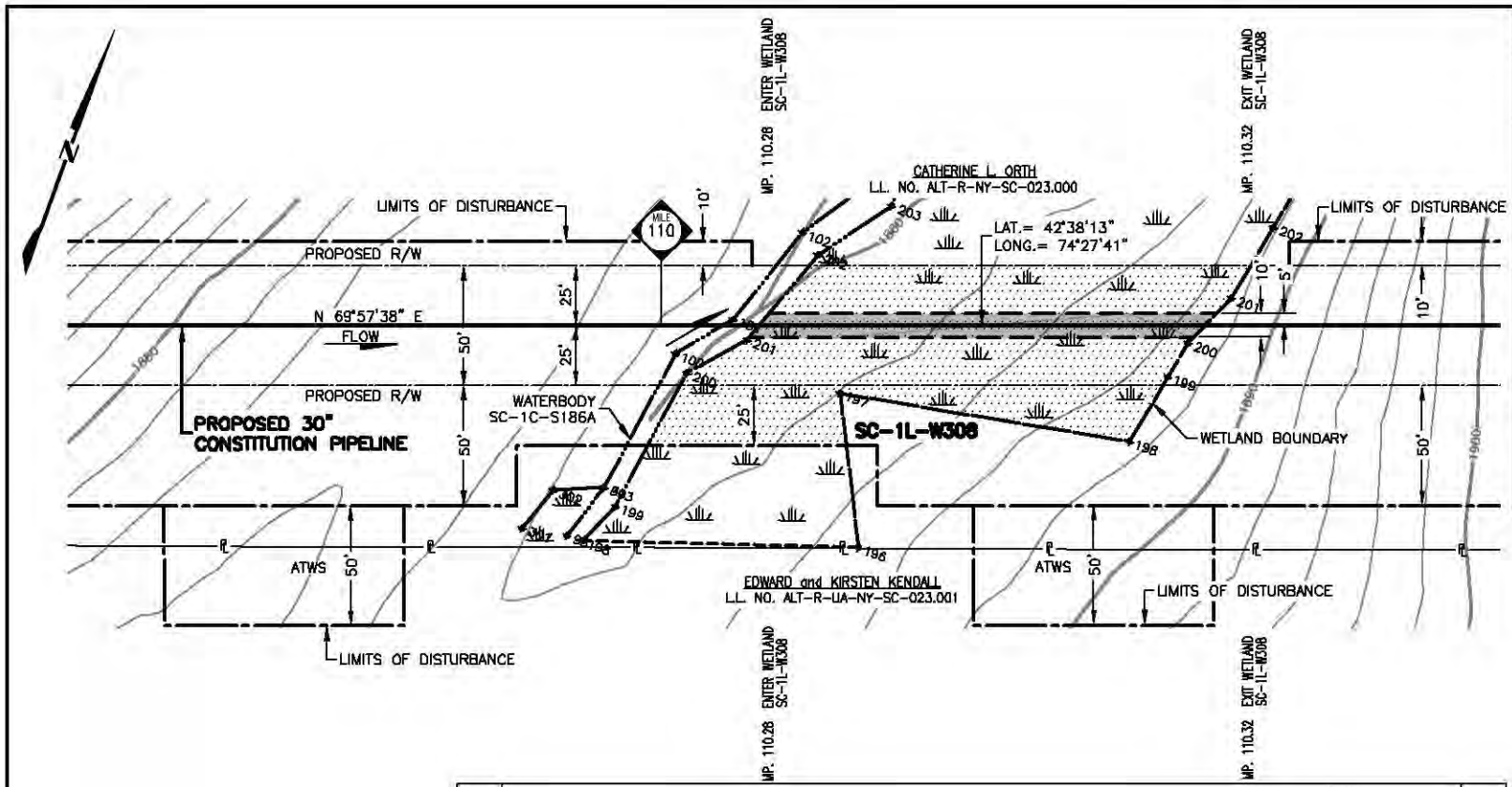
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	08-06-13	GIE	ISSUED FOR CLIENT REVIEW	1110415		
B	08-16-13	GIE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
D	08-18-13	GIE	ISSUE FOR USE	1110415		
1	10-25-13	GIE	REVISED - ISSUE FOR USE	1110415		
2	10-30-13	GIE	ISSUE FOR USE	1110415		

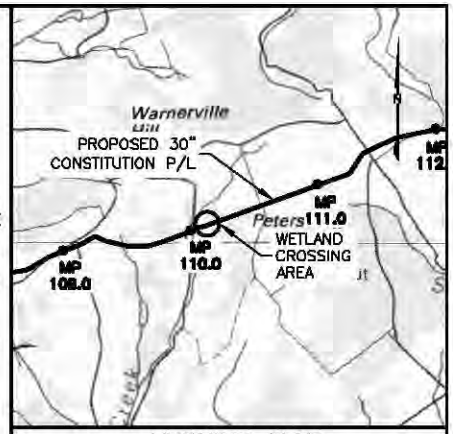
APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING SC-1L-W307 @ M.P. 110.12
TOWN OF COBLESKILL
SCHOHARIE COUNTY, NEW YORK

DRAWN BY: GIE	DATE: 06-06-2013	ISSUED FOR BID:	SCALE: 1" = 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/SC-1L-W307-1-2	SHEET 332 OF 362
WO: 1110415			



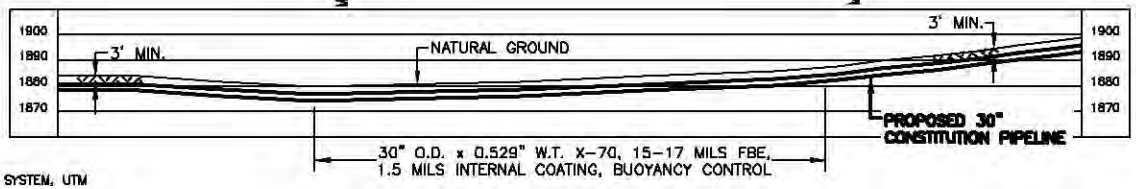


VICINITY MAP

USGS QUAD MAP: AMSTERDAM, NY

5000' 0 5000'

SCALE IN FEET



NOTES:

1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
3. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
4. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN THE ECP BMP TYPICAL DETAILS.
5. WETLAND DELINEATION COMPLETED BY AECOM.
6. THIS DRAWING DEPICTS IMPACTS REQUIRED FOR A JOINT APPLICATION WITH THE USACE AND THE NYDEC. THE PROPOSED R/W IS A 50 FOOT PERMANENT RIGHT-OF-WAY (ROW) THAT REPRESENTS A LEGAL EASEMENT AGREEMENT FROM THE LANDOWNER TO CONSTITUTION.
   CONSTRUCTION ACREAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY); OPERATION ACREAGE = 10 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED IN HERBACEOUS VEGETATED COVER THROUGH PSS WETLANDS, AND 30 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED THROUGH PFO WETLANDS.

Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres)					State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
			Construction			Operation				
			PFO	PSS	PEM	PFO	PSS			
SC-1L-W308	PSS	186		0.30			0.04	N/A	N/A	Conventional

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER
NO. 69074

PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-112	ALIGNMENT SHEET

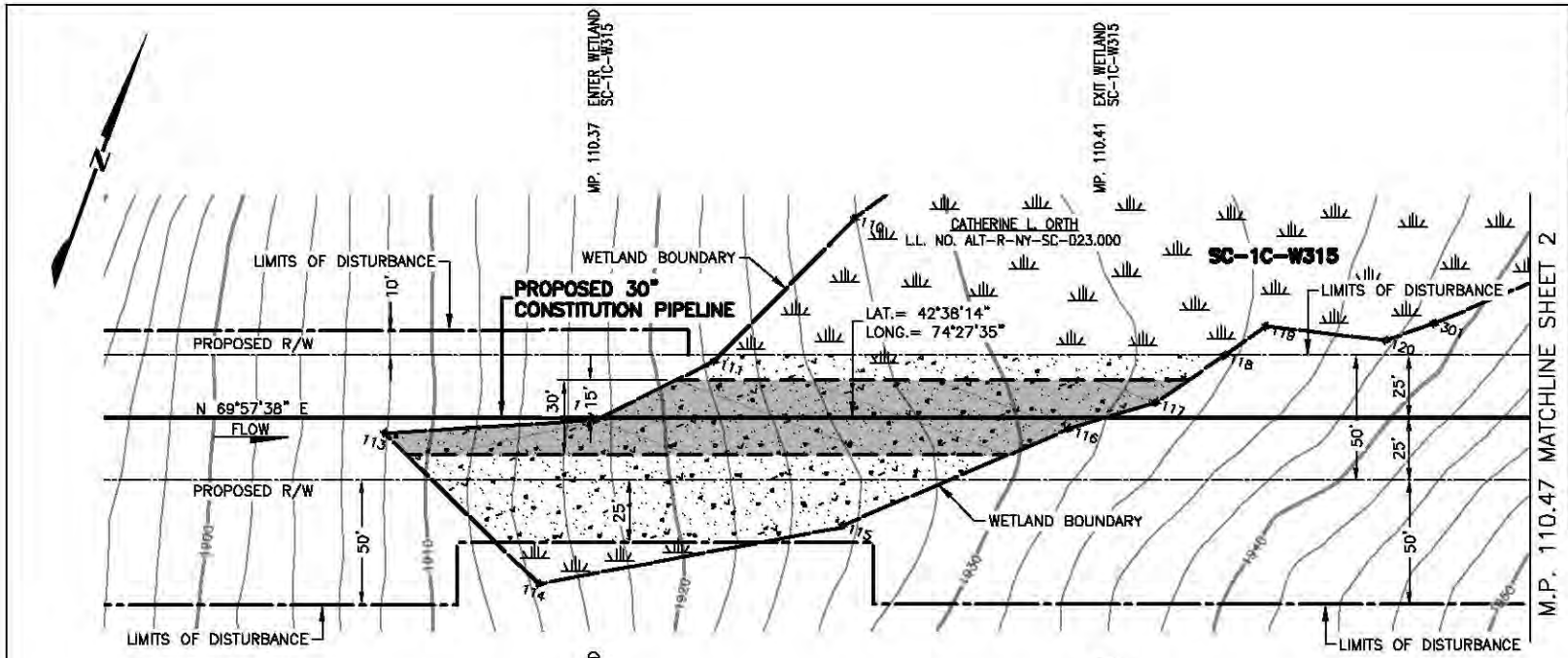
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	08-10-13	GIE	ISSUED FOR CLIENT REVIEW	1110415		
B	08-14-13	GIE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
0	08-21-13	GIE	ISSUE FOR USE	1110415		
1	10-18-13	GIE	REVISED - ISSUE FOR USE	1110415		
2	10-30-13	GIE	ISSUE FOR USE	1110415		

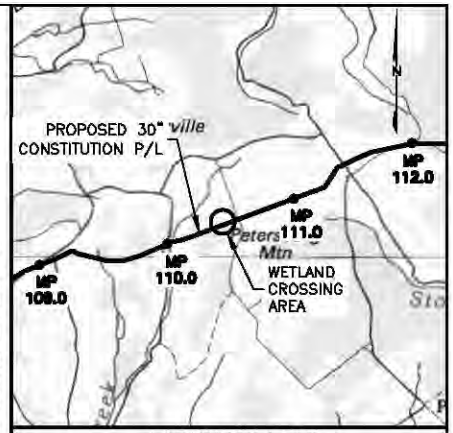
APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING SC-1L-W308 @ M.P. 110.28
TOWN OF COBLESKILL
SCHOHARIE COUNTY, NEW YORK

DRAWN BY: GIE	DATE: 06-06-2013	ISSUED FOR BID:	SCALE: 1" = 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/SC-1L-W308-1-2	SHEET 333 OF 362
WO: 1110415			



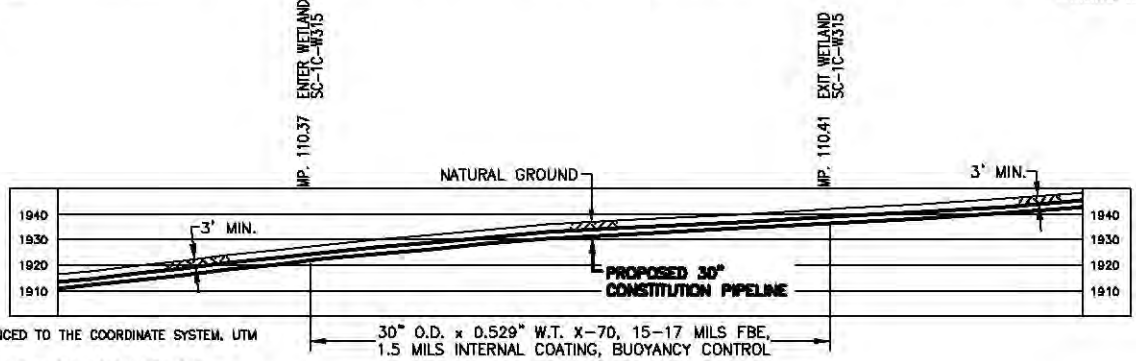


VICINITY MAP

USGS QUAD MAP: AMSTERDAM, NY

5000' 0 5000'

SCALE IN FEET



NOTES:

1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
3. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
4. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN THE ECP BMP TYPICAL DETAILS.
5. WETLAND DELINEATION COMPLETED BY AECOM.
6. THIS DRAWING DEPICTS IMPACTS REQUIRED FOR A JOINT APPLICATION WITH THE USACE AND THE NYDEC. THE PROPOSED R/W IS A 50 FOOT PERMANENT RIGHT-OF-WAY (ROW) THAT REPRESENTS A LEGAL EASEMENT AGREEMENT FROM THE LANDOWNER TO CONSTITUTION.
   CONSTRUCTION ACREAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY); OPERATION ACREAGE = 10 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED IN HERBACEOUS VEGETATED COVER THROUGH PSS WETLANDS, AND 30 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED THROUGH PFO WETLANDS.

Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres)					State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
			Construction			Operation				
			PFO	PSS	PEM	PFO	PSS			
SC-1C-W315	PFO	203	0.35			0.16		N/A	N/A	Conventional

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER
NO. 69074

PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-112	ALIGNMENT SHEET

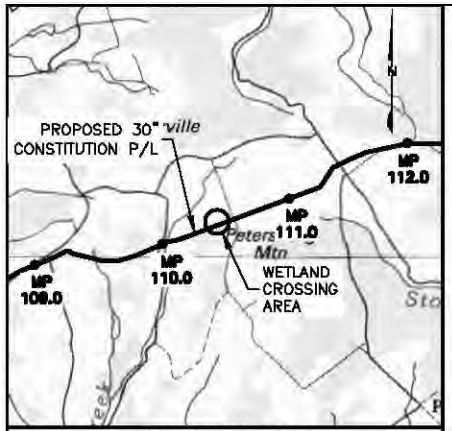
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
C	08-17-13	GIE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
B	08-19-13	GIE	ISSUE FOR USE	1110415		
1	10-18-13	GIE	REVISED - ISSUE FOR USE	1110415		
2	10-29-13	GIE	REVISED - ISSUE FOR USE	1110415		
3	10-30-13	GIE	ISSUE FOR USE	1110415		

APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING SC-1C-W315 @ M.P. 110.37
TOWN OF COBLESKILL
SCHOHARIE COUNTY, NEW YORK

DRAWN BY: GIE	DATE: 06-08-2013	ISSUED FOR BID:	SCALE: 1" = 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/SC-1C-W315-1-3	SHEET 334 OF 362
WO: 1110415			

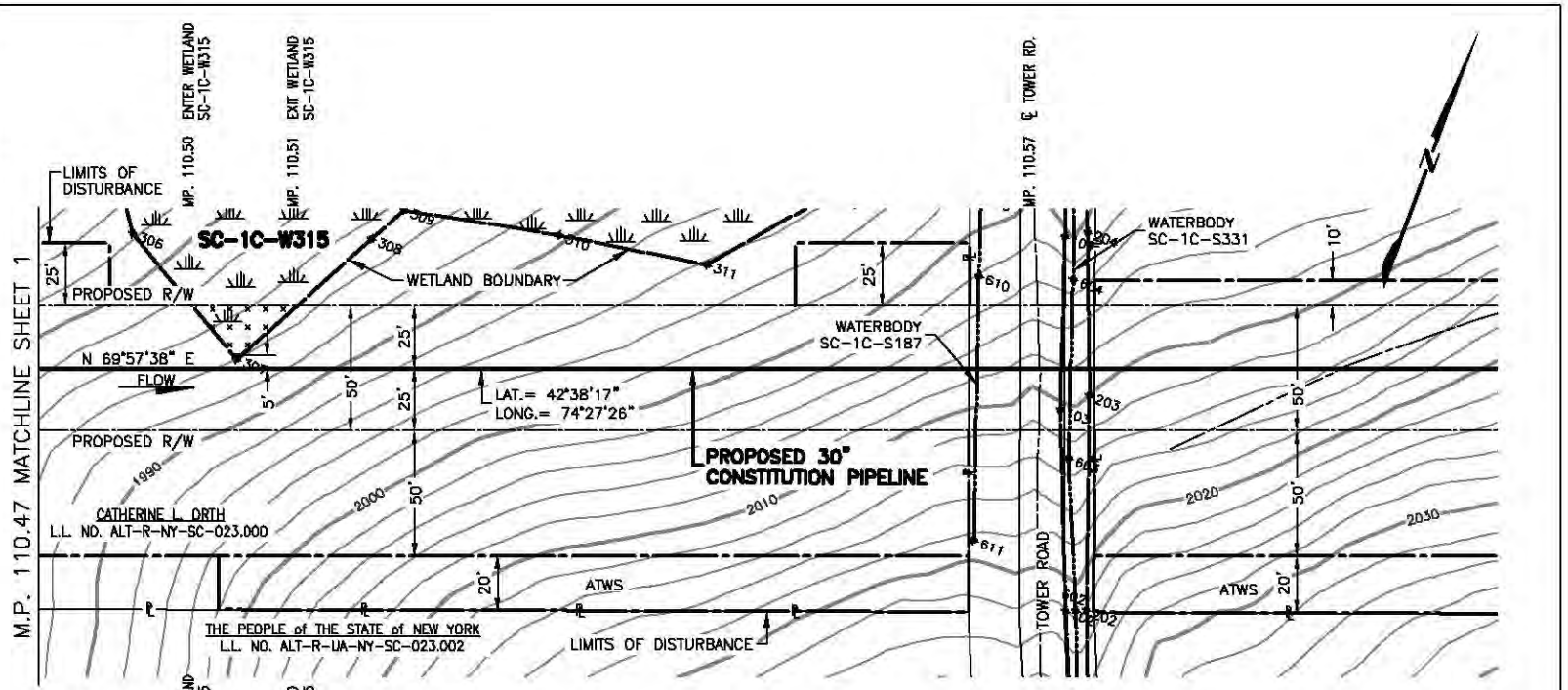


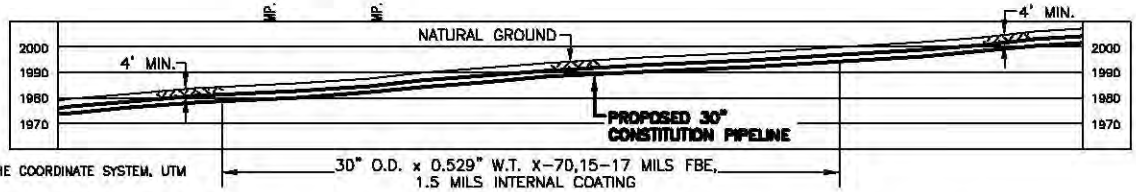
VICINITY MAP

USGS QUAD MAP: AMSTERDAM, NY

5000' 0 5000'

SCALE IN FEET





NOTES:

1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
3. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
4. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN THE ECP BMP TYPICAL DETAILS.
5. WETLAND DELINEATION COMPLETED BY AECOM.
6. THIS DRAWING DEPICTS IMPACTS REQUIRED FOR A JOINT APPLICATION WITH THE USACE AND THE NYDEC. THE PROPOSED R/W IS A 50 FOOT PERMANENT RIGHT-OF-WAY (ROW) THAT REPRESENTS A LEGAL EASEMENT AGREEMENT FROM THE LANDOWNER TO CONSTITUTION.
   CONSTRUCTION ACREAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY); OPERATION ACREAGE = 10 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED IN HERBACEOUS VEGETATED COVER THROUGH PSS WETLANDS, AND 30 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED THROUGH PFO WETLANDS.

Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres) Construction PFO	Construction PSS	Construction PEM	Operation PFO	Operation PSS	State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
SC-1C-W315	PEM	0			0.01			N/A	N	N/A

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER
NO. 69074

PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-112	ALIGNMENT SHEET

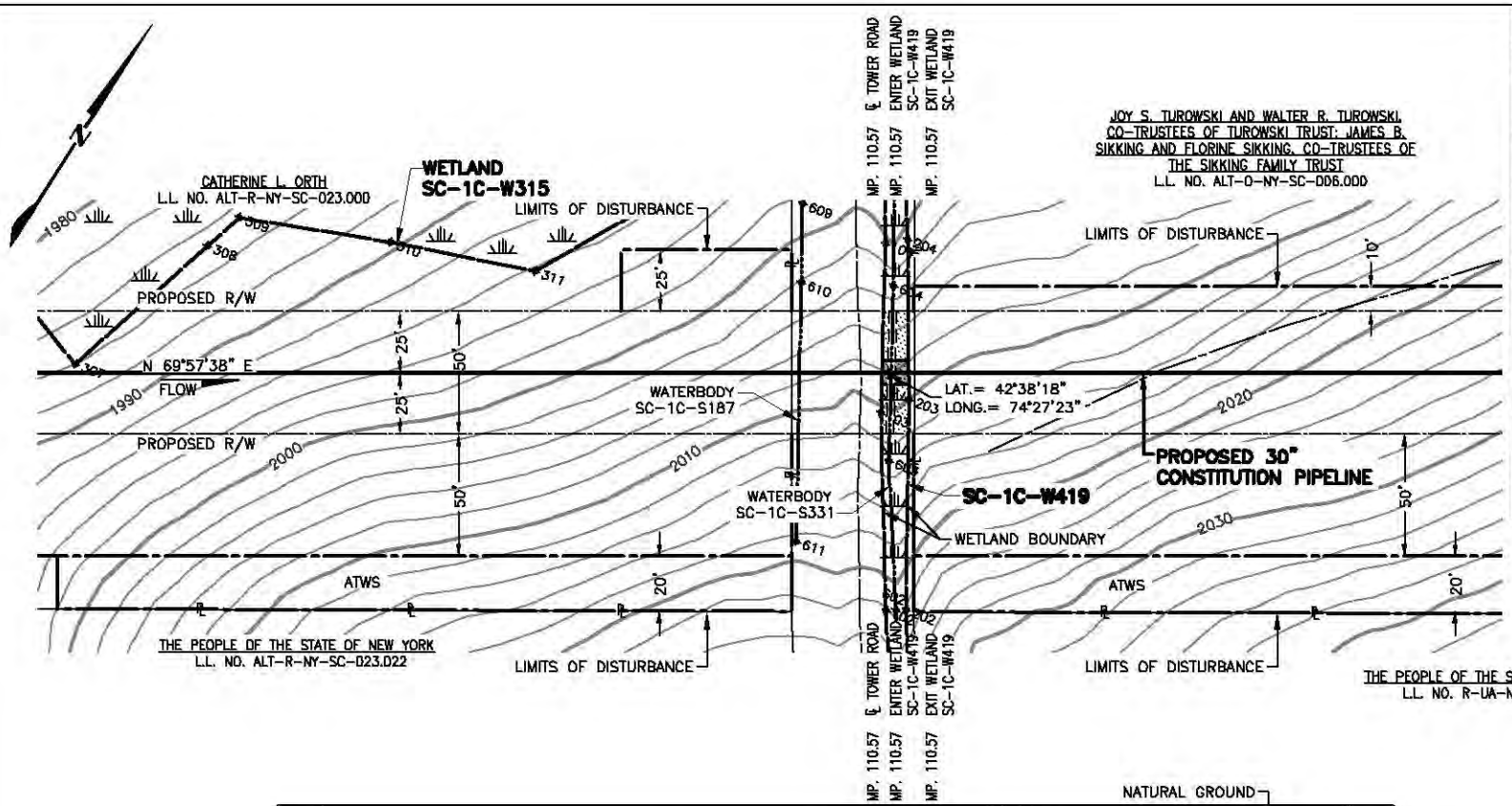
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
C	08-17-13	GIE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
0	08-19-13	GIE	ISSUE FOR USE	1110415		
1	10-18-13	GIE	REVISED - ISSUE FOR USE	1110415		
2	10-29-13	GIE	REVISED - ISSUE FOR USE	1110415		
3	10-30-13	GIE	ISSUE FOR USE	1110415		

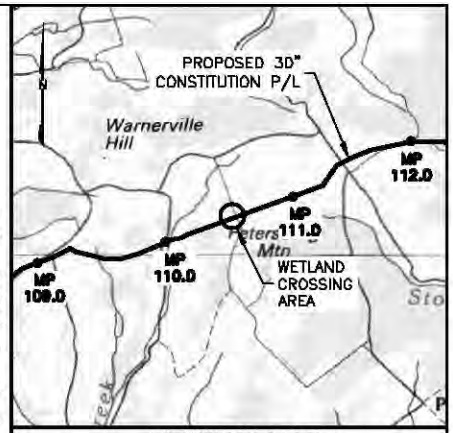
APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING SC-1C-W315 @ M.P. 110.50
TOWN OF COBLESKILL
SCHOHARIE COUNTY, NEW YORK

DRAWN BY: GIE	DATE: 06-08-2013	ISSUED FOR BID:	SCALE: 1" = 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/SC-1C-W315-2-3	SHEET 335 OF 362
WO: 1110415			



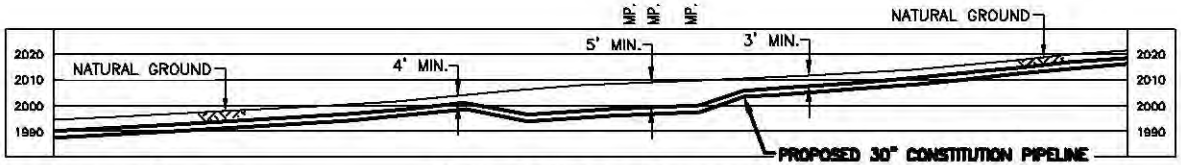


VICINITY MAP

USGS QUAD MAP: AMSTERDAM, NY

5000' 0 5000'

SCALE IN FEET



30" O.D. x 0.635" W.T. X-70, 10 MILS FBE, 1.5 MILS INTERNAL COATING 40 MILS ARO

NOTES:

1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
3. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
4. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN THE ECP BMP TYPICAL DETAILS.
5. WETLAND DELINEATION COMPLETED BY AECOM.
6. THIS DRAWING DEPICTS IMPACTS REQUIRED FOR A JOINT APPLICATION WITH THE USACE AND THE NYDEC. THE PROPOSED R/W IS A 50 FOOT PERMANENT RIGHT-OF-WAY (ROW) THAT REPRESENTS A LEGAL EASEMENT AGREEMENT FROM THE LANDOWNER TO CONSTITUTION. CONSTRUCTION ACREAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY); OPERATION ACREAGE = 10 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED IN HERBACEOUS VEGETATED COVER THROUGH PSS WETLANDS, AND 30 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED THROUGH PFO WETLANDS.

Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres) Construction PFO	Construction PSS	Construction PEM	Operation PFO	Operation PSS	State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
SC-1C-W419	PSS	10		0.01			0.01	N/A	N/A	Conventional Bore

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER NO. 69074

PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-112	ALIGNMENT SHEET

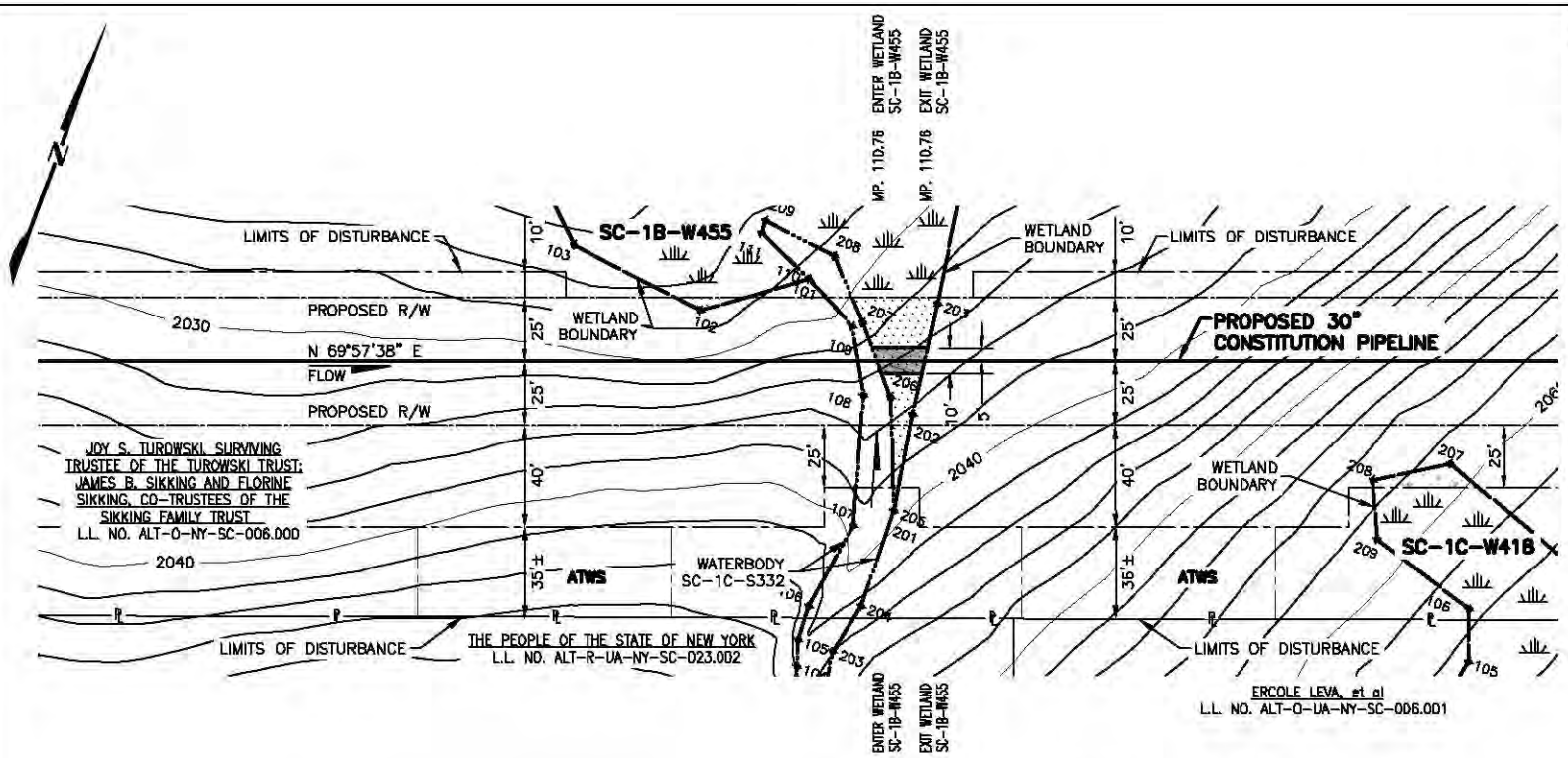
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	10-20-13	GIE	ISSUED FOR CLIENT REVIEW	1110415		
B	10-29-13	GIE	REVISED - ISSUE FOR USE	1110415		
D	10-30-13	GIE	ISSUE FOR USE	1110415		

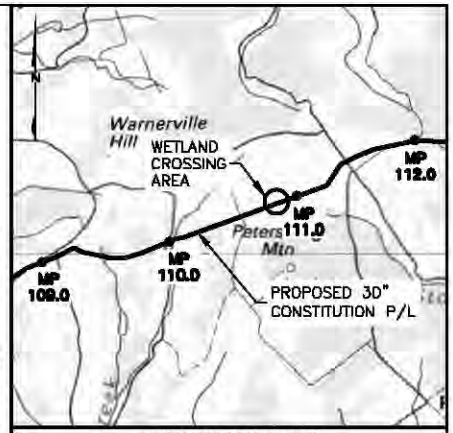
APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING SC-1C-W419 @ M.P. 110.57
TOWN OF COBLESKILL
SCHOHARIE COUNTY, NEW YORK

DRAWN BY: GIE	DATE: 10-20-2013	ISSUED FOR BID:	SCALE: 1" = 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/SC-1C-W419-1-0	SHEET 336 OF 362
WO: 1110415			



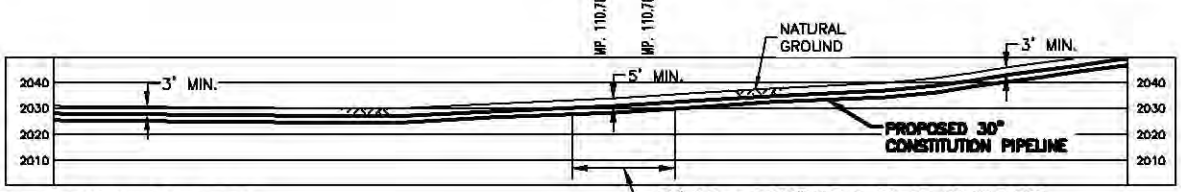


VICINITY MAP

USGS QUAD MAP: AMSTERDAM, NY

5000' 0 5000'

SCALE IN FEET



NOTES:

1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
3. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
4. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN THE ECP BMP TYPICAL DETAILS.
5. WETLAND DELINEATION COMPLETED BY AECOM.
6. THIS DRAWING DEPICTS IMPACTS REQUIRED FOR A JOINT APPLICATION WITH THE USACE AND THE NYDEC. THE PROPOSED R/W IS A 50 FOOT PERMANENT RIGHT-OF-WAY (ROW) THAT REPRESENTS A LEGAL EASEMENT AGREEMENT FROM THE LANDOWNER TO CONSTITUTION.
   CONSTRUCTION ACREAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY);
   OPERATION ACREAGE = 10 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED IN HERBACEOUS VEGETATED COVER THROUGH PSS WETLANDS, AND 30 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED THROUGH PFO WETLANDS.

Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres)					State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
			Construction			Operation				
			PFO	PSS	PEM	PFO	PSS			
SC-1B-W455	PSS	19		0.02			0.01	N/A	N	CONVENTIONAL
SC-1C-W418	PFO	0	0.01					N/A	N	N/A

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER
NO. 69074

PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-112	ALIGNMENT SHEET

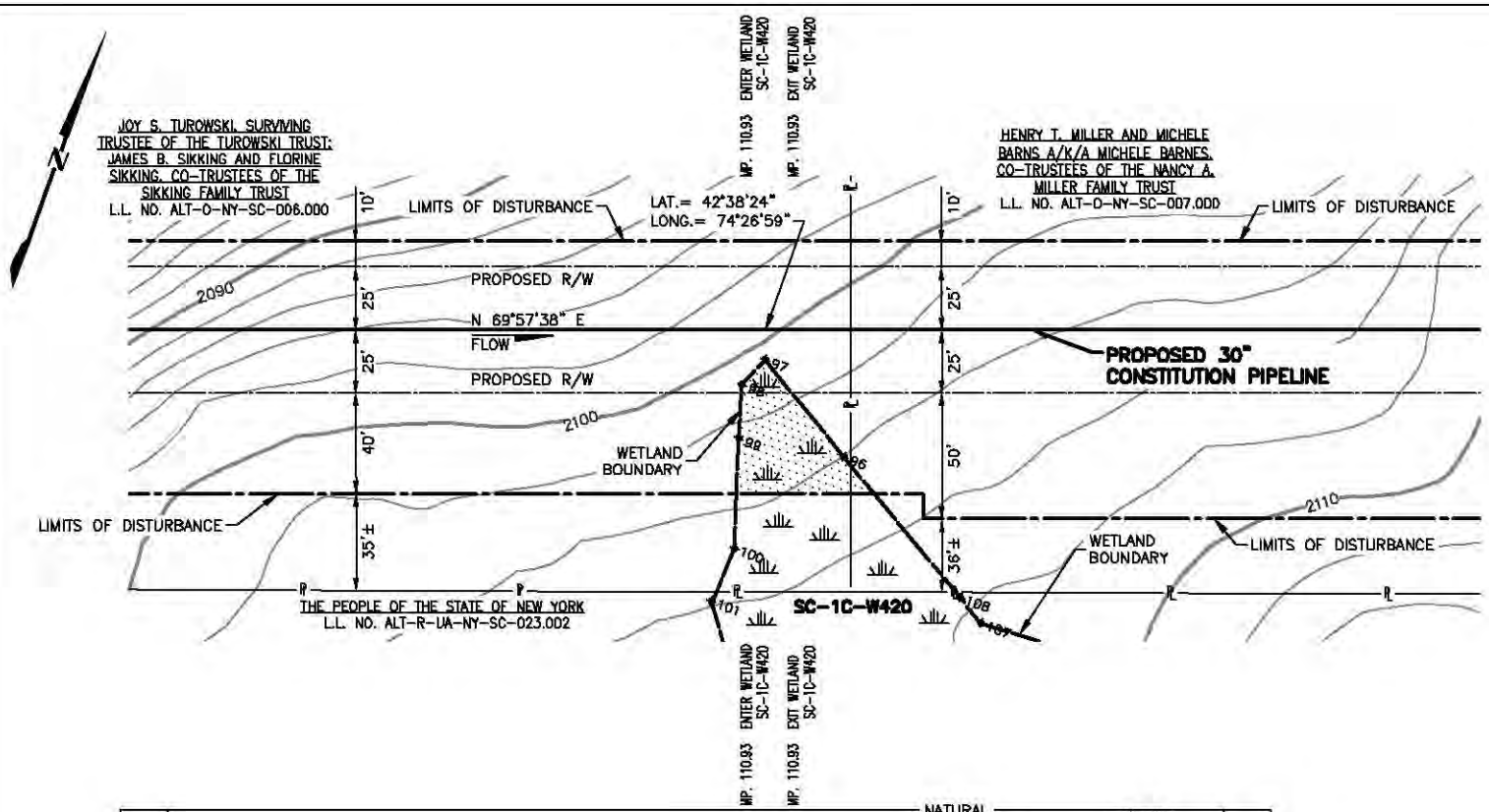
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	10-24-13	GIE	ISSUED FOR CLIENT REVIEW	1110415		
B	10-31-13	GIE	ISSUE FOR USE	1110415		

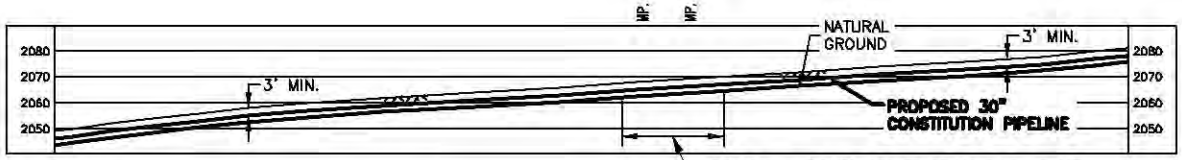
APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

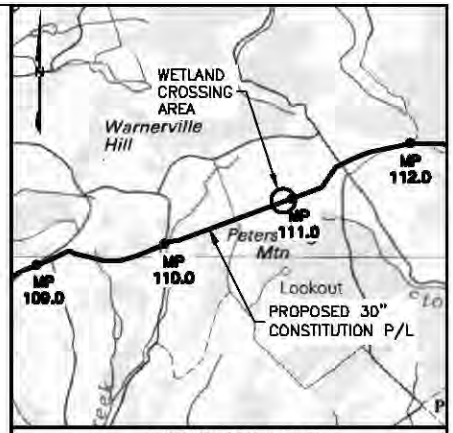
CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING SC-1B-W455 AND SC-1C-W418 @ M.P. 110.76
TOWN OF COBLESKILL
SCHOHARIE COUNTY, NEW YORK

DRAWN BY: GIE	DATE: 10-18-13	ISSUED FOR BID:	SCALE: 1" = 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/SC-1B-W455-1-0	SHEET 337 OF 362
WO: 1110415			





30" O.D. x 0.529" W.T. X-70,15-17 MILS FBE, 1.5 MILS INTERNAL COATING



VICINITY MAP

USGS QUAD MAP: AMSTERDAM, NY

5000' 0 5000'

SCALE IN FEET

NOTES:

1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
3. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
4. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN THE ECP BMP TYPICAL DETAILS.
5. WETLAND DELINEATION COMPLETED BY AECOM.
6. THIS DRAWING DEPICTS IMPACTS REQUIRED FOR A JOINT APPLICATION WITH THE USACE AND THE NYDEC. THE PROPOSED R/W IS A 50 FOOT PERMANENT RIGHT-OF-WAY (ROW) THAT REPRESENTS A LEGAL EASEMENT AGREEMENT FROM THE LANDOWNER TO CONSTITUTION. CONSTRUCTION ACREAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY); OPERATION ACREAGE = 10 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED IN HERBACEOUS VEGETATED COVER THROUGH PSS WETLANDS, AND 30 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED THROUGH PFO WETLANDS.

Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres) Construction PFO	Construction PSS	Construction PEM	Operation PFO	Operation PSS	State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
SC-1C-W420	PSS	0		0.04				N/A	N/A	N/A

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER NO. 69074

PLAN/PROFILE

0 40' 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-112	ALIGNMENT SHEET

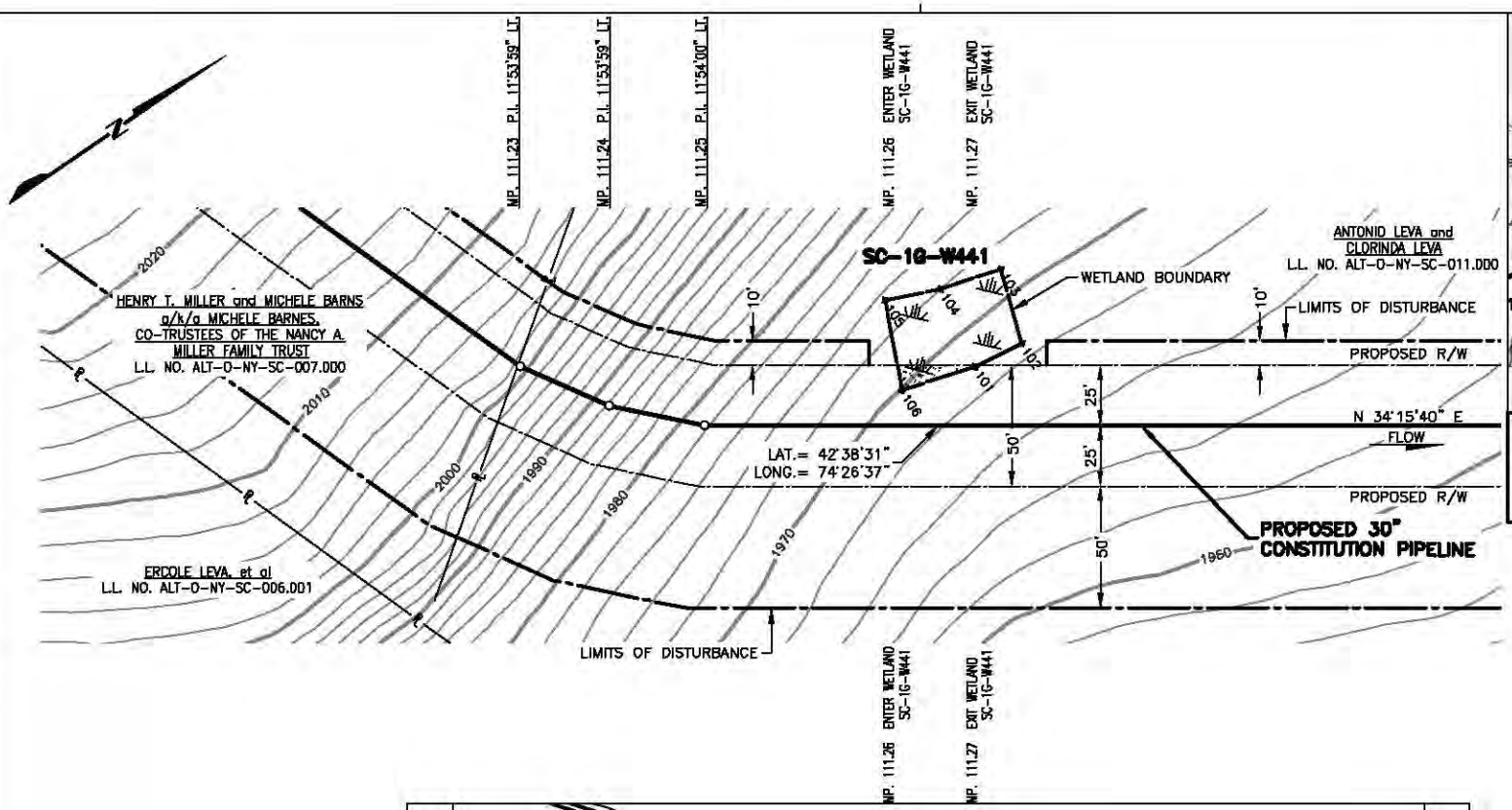
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	10-24-13	GIE	ISSUED FOR CLIENT REVIEW	1110415		
B	10-30-13	GIE	ISSUE FOR USE	1110415		

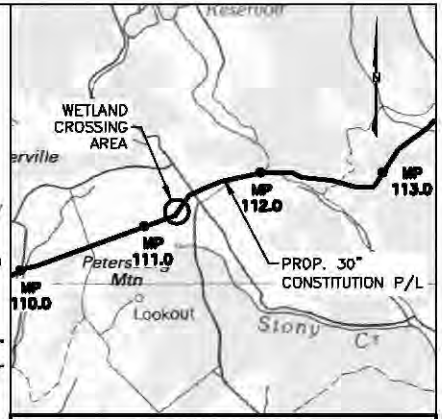
APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING SC-1C-W420 @ M.P. 110.93
TOWN OF COBLESKILL
SCHOHARIE COUNTY, NEW YORK

DRAWN BY: GIE	DATE: 10-24-13	ISSUED FOR BID:	SCALE: 1" = 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/SC-1C-W420-1-0	SHEET 338 OF 362
WO: 1110415			



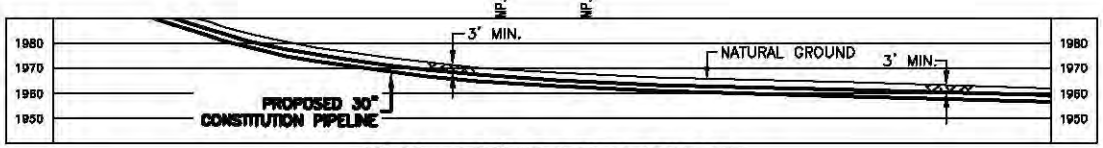


VICINITY MAP

USGS QUAD MAP: AMSTERDAM, NY.

5000' 0 5000'

SCALE IN FEET



30" O.D. x 0.529" W.T. X-70, 15-17 MILS FBE.
1.5 MILS INTERNAL COATING

NOTES:

1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
3. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
4. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN THE ECP BMP TYPICAL DETAILS.
5. WETLAND DELINEATION COMPLETED BY AECOM.
6. THIS DRAWING DEPICTS IMPACTS REQUIRED FOR A JOINT APPLICATION WITH THE USACE AND THE NYDEC. THE PROPOSED R/W IS A 50 FOOT PERMANENT RIGHT-OF-WAY (ROW) THAT REPRESENTS A LEGAL EASEMENT AGREEMENT FROM THE LANDOWNER TO CONSTITUTION.
   CONSTRUCTION ACREAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY):
   OPERATION ACREAGE = 10 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED IN HERBACEOUS VEGETATED COVER THROUGH PSS WETLANDS, AND 30 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED THROUGH PFO WETLANDS.

Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres)					State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
			Construction			Operation				
			PFO	PSS	PEM	PFO	PSS			
SC-1G-W441	PFO	0	0.01			0.01		N/A	N	N/A

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER
NO. 69074

PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

DRAWING NO.	REFERENCE TITLE
26-26-70/D001-113	ALIGNMENT SHEET

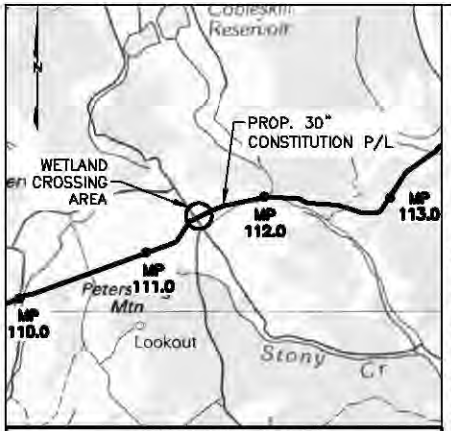
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
B	08-14-13	GE	REVISED - ISSUED FOR REVIEW	1110415		
C	08-16-13	GE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
D	08-19-13	GE	ISSUE FOR USE	1110415		
1	10-19-13	GE	REVISED - ISSUE FOR USE	1110415		
2	10-30-13	GE	ISSUE FOR USE	1110415		

APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING SC-1G-W441 @ M.P. 111.26
TOWN OF COBLESKILL
SCHOHARIE COUNTY, NEW YORK

DRAWN BY: CJE	DATE: 06-10-2013	ISSUED FOR BID:	SCALE: 1" = 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/SC-1G-W441-1-2	SHEET 339 OF 362
WO: 1110415			

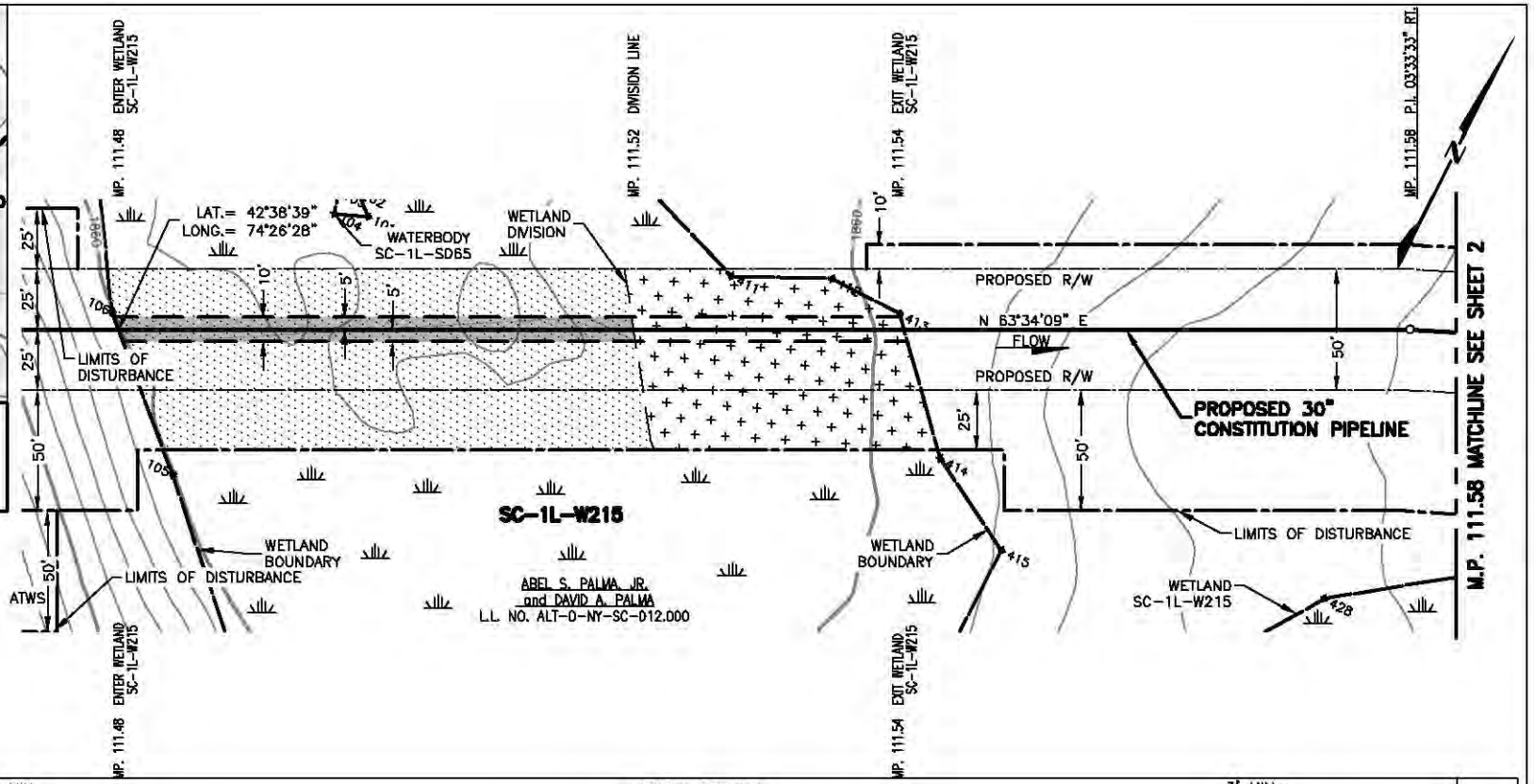


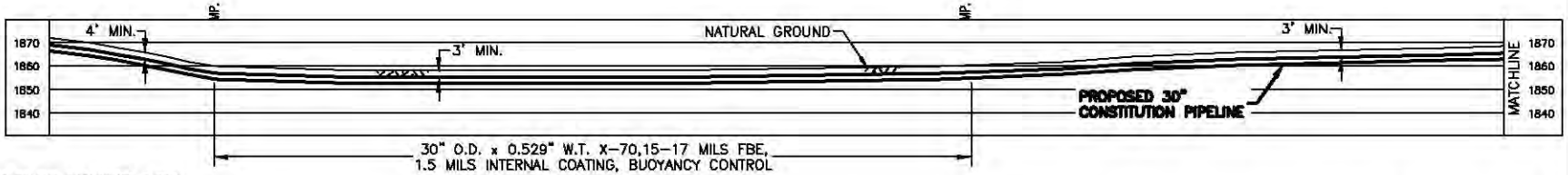
VICINITY MAP

USGS QUAD MAP: AMSTERDAM, NY.

5000' 0 5000'

SCALE IN FEET





NOTES:

1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
3. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
4. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN THE ECP BMP TYPICAL DETAILS.
5. WETLAND DELINEATION COMPLETED BY AECOM.
6. THIS DRAWING DEPICTS IMPACTS REQUIRED FOR A JOINT APPLICATION WITH THE USACE AND THE NYDEC. THE PROPOSED R/W IS A 50 FOOT PERMANENT RIGHT-OF-WAY (ROW) THAT REPRESENTS A LEGAL EASEMENT AGREEMENT FROM THE LANDOWNER TO CONSTITUTION. CONSTRUCTION ACREAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY); OPERATION ACREAGE = 10 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED IN HERBACEOUS VEGETATED COVER THROUGH PSS WETLANDS, AND 30 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED THROUGH PFO WETLANDS.

Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres) Construction PFO	Construction PSS	Construction PEM	Operation PFO	Operation PSS	State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
SC-1L-W215	PSS	213		0.36	0.19		0.05	N/A	N	Conventional
	PEM	112								

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER NO. 69074

PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-113	ALIGNMENT SHEET

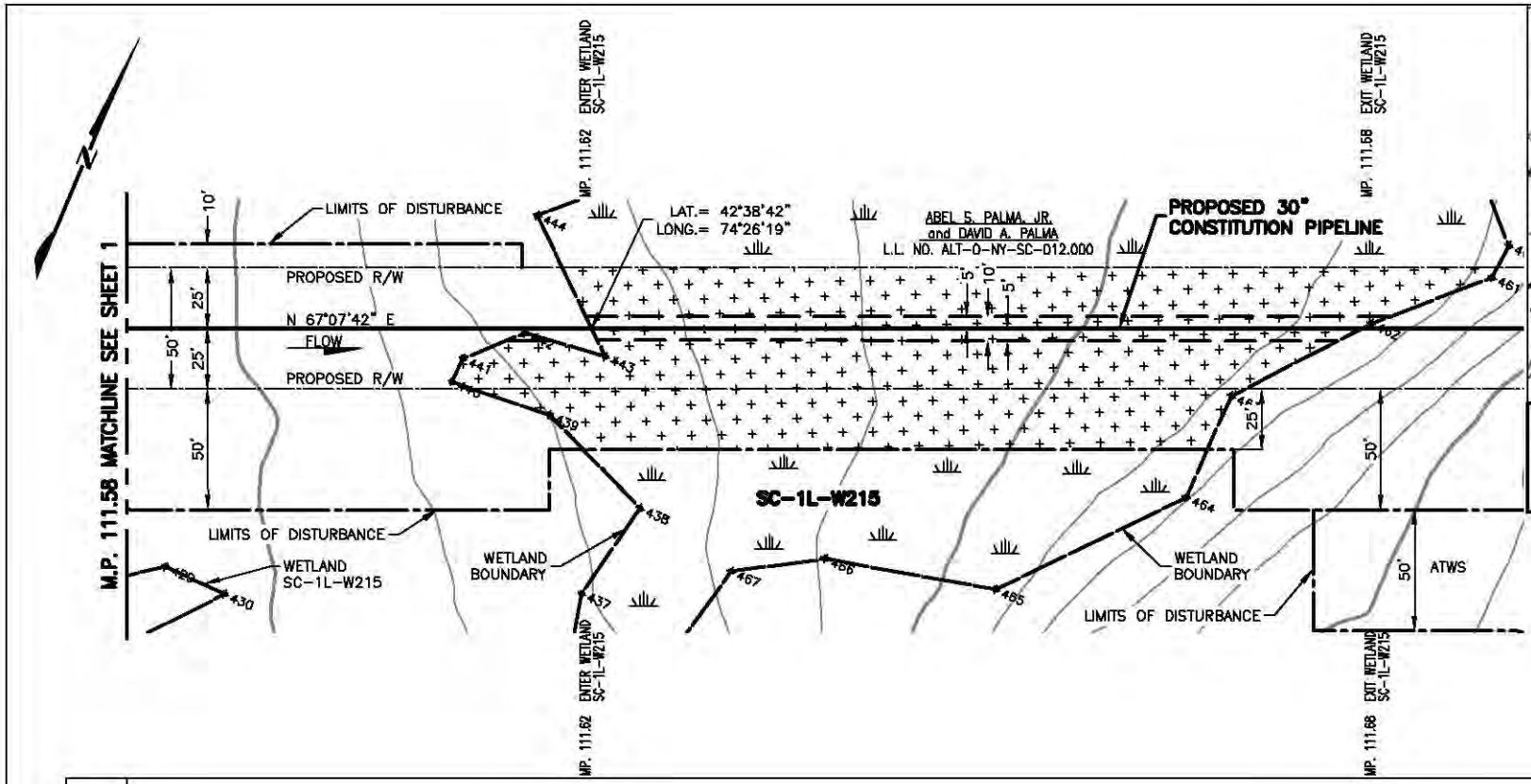
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	10-21-13	GIE	ISSUED FOR CLIENT REVIEW	1110415		
B	10-31-13	GIE	ISSUE FOR USE	1110415		

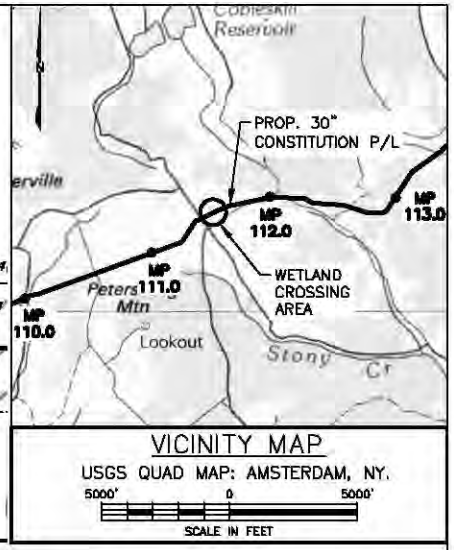
APPLICATION NO.: NAN-2012-00449-UBR

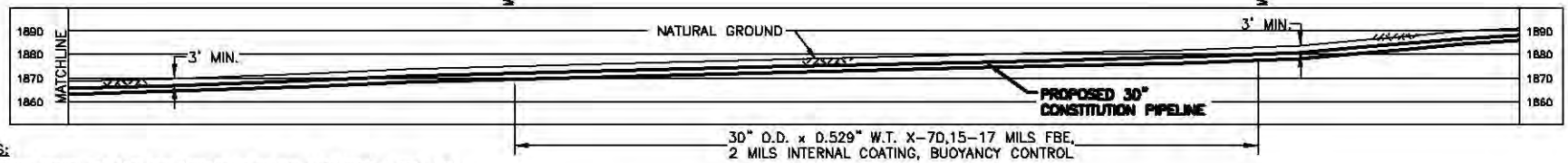
GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING SC-1L-W215 @ M.P. 111.48
TOWN OF COBLESKILL
SCHOHARIE COUNTY, NEW YORK

DRAWN BY: GIE	DATE: 06-10-2013	ISSUED FOR BID:	SCALE: 1" = 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/SC-1L-W215-1-0	SHEET 340 OF 362
WO: 1110415			







NOTES:

1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
3. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
4. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN THE ECP BMP TYPICAL DETAILS.
5. WETLAND DELINEATION COMPLETED BY AECOM.
6. THIS DRAWING DEPICTS IMPACTS REQUIRED FOR A JOINT APPLICATION WITH THE USACE AND THE NYDEC. THE PROPOSED R/W IS A 50 FOOT PERMANENT RIGHT-OF-WAY (ROW) THAT REPRESENTS A LEGAL EASEMENT AGREEMENT FROM THE LANDOWNER TO CONSTITUTION.
   CONSTRUCTION ACREAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY); OPERATION ACREAGE = 10 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED IN HERBACEOUS VEGETATED COVER THROUGH PSS WETLANDS, AND 30 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED THROUGH PFO WETLANDS.

Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres) Construction PFO	Construction PSS	Construction PEM	Operation PFO	Operation PSS	State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
SC-1L-W215	PEM	318			0.56			N/A	N	Conventional

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER
NO. 69074

PLAN/PROFILE
0 40 80 120 160
SCALE IN FEET
SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-113	ALIGNMENT SHEET

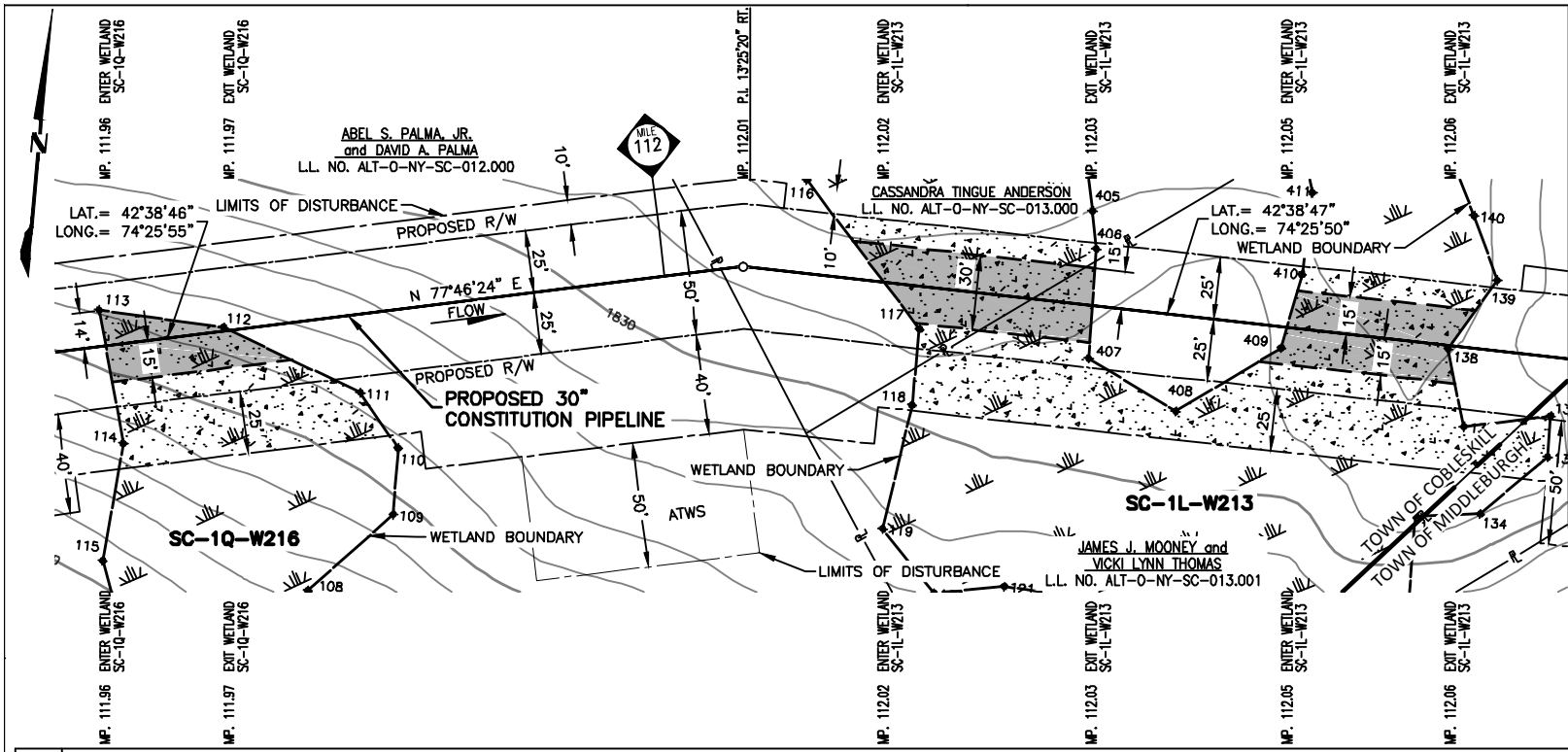
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	10-21-13	GIE	ISSUED FOR CLIENT REVIEW	1110415		
B	10-31-13	GIE	ISSUE FOR USE	1110415		

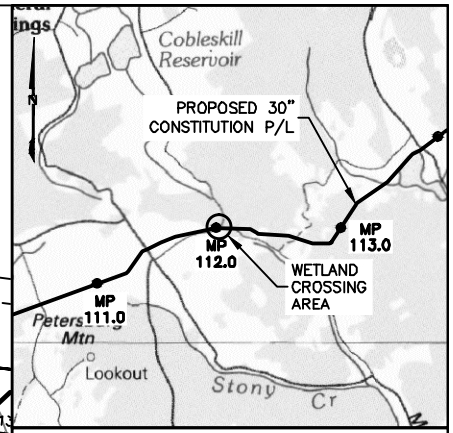
APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING SC-1L-W215 @ M.P. 111.48
TOWN OF COBLESKILL
SCHOHARIE COUNTY, NEW YORK

DRAWN BY: GIE	DATE: 06-10-2013	ISSUED FOR BID:	SCALE: 1" = 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/SC-1L-W215-2-0	SHEET 341 OF 362
WO: 1110415			



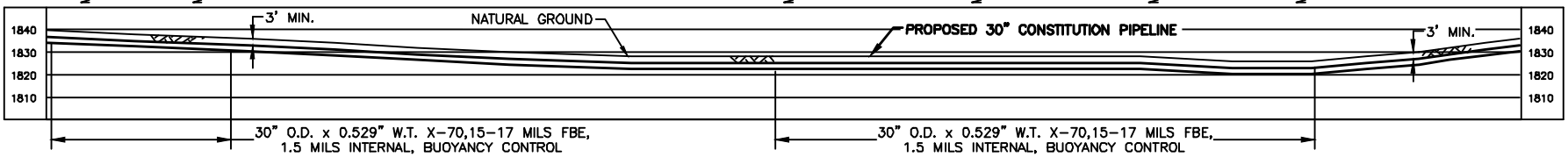


VICINITY MAP

USGS QUAD MAP: AMSTERDAM, NY

5000' 0 5000'

SCALE IN FEET



NOTES:

1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
3. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
4. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN THE ECP BMP TYPICAL DETAILS.
5. WETLAND DELINEATION COMPLETED BY AECOM.
6. THIS DRAWING DEPICTS IMPACTS REQUIRED FOR A JOINT APPLICATION WITH THE USACE AND THE NYDEC. THE PROPOSED R/W IS A 50 FOOT PERMANENT RIGHT-OF-WAY (ROW) THAT REPRESENTS A LEGAL EASEMENT AGREEMENT FROM THE LANDOWNER TO CONSTITUTION. CONSTRUCTION ACREAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY); OPERATION ACREAGE = 10 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED IN HERBACEOUS VEGETATED COVER THROUGH PSS WETLANDS, AND 30 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED THROUGH PFO WETLANDS.

Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres)					State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
			Construction			Operation				
			PFO	PSS	PEM	PFO	PSS			
SC-1Q-W216	PFO	50	0.11			0.03		N/A	N	Conventional
SC-1L-W213	PFO	151	0.32			0.10		N/A	N	Conventional

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER NO. 69074

PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-113	ALIGNMENT SHEET
26-26-70/0001-114	ALIGNMENT SHEET

NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
B	08-15-13	GIE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
C	08-17-13	GIE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
0	08-19-13	GIE	ISSUE FOR USE	1110415		
1	10-22-13	GIE	REVISED - ISSUE FOR USE	1110415		
2	10-30-13	GIE	ISSUE FOR USE	1110415		

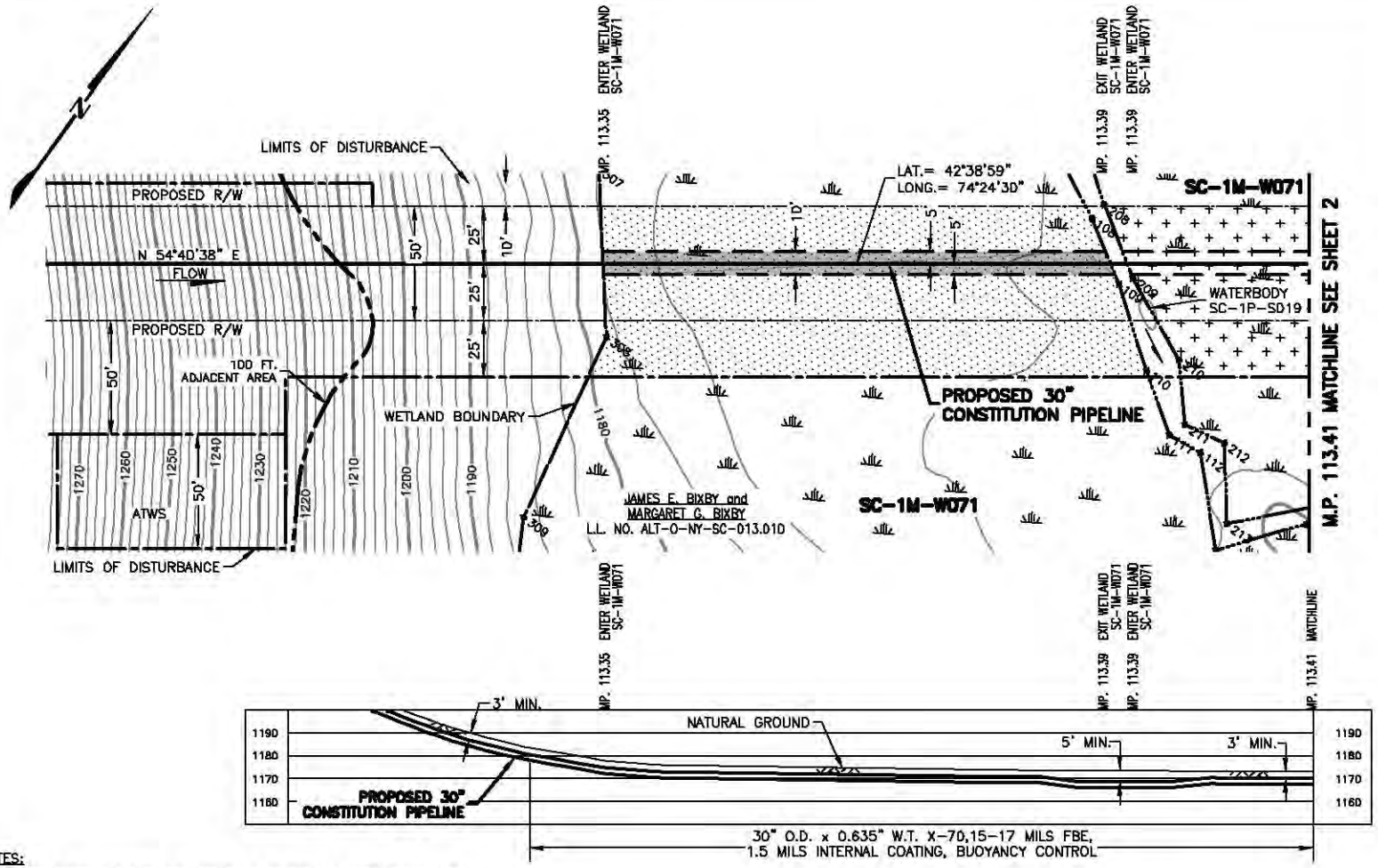
GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

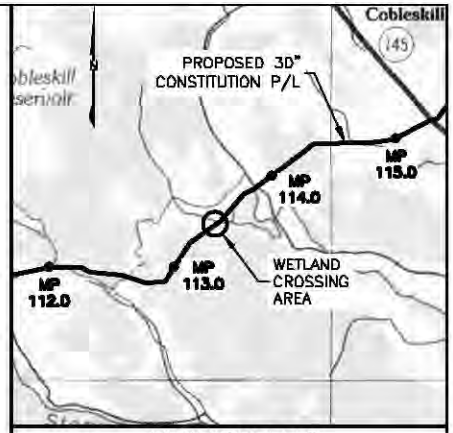
APPLICATION NO.: NAN-2012-00449-UBR

CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSINGS SC-1Q-W216 @ M.P. 111.96
AND SC-1L-W213 @ M.P. 112.02
TOWNS OF COBLESKILL & MIDDLEBURGH, SCHOHARIE COUNTY, NEW YORK

CONSTITUTION PIPELINE

DRAWN BY: GIE	DATE: 06-11-2013	ISSUED FOR BID:	SCALE: 1" = 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/SC-1Q-W216-1-2	SHEET 342 OF 362
WO: 1110415			





VICINITY MAP

USGS QUAD MAP: AMSTERDAM, NY

5000' 0 5000'

SCALE IN FEET

NOTES:

1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
3. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
4. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN THE ECP BMP TYPICAL DETAILS.
5. WETLAND DELINEATION COMPLETED BY AECOM.
6. THIS DRAWING DEPICTS IMPACTS REQUIRED FOR A JOINT APPLICATION WITH THE USACE AND THE NYDEC. THE PROPOSED R/W IS A 50 FOOT PERMANENT RIGHT-OF-WAY (ROW) THAT REPRESENTS A LEGAL EASEMENT AGREEMENT FROM THE LANDOWNER TO CONSTITUTION. CONSTRUCTION ACREAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY); OPERATION ACREAGE = 10 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED IN HERBACEOUS VEGETATED COVER THROUGH PSS WETLANDS, AND 30 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED THROUGH PFO WETLANDS.

Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres)					State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
			Construction			Operation				
			PFO	PSS	PEM	PFO	PSS			
SC-1M-W071	PSS/PEM	304		0.39	0.13		0.05	CO-25 CLASS 2	Y	Conventional

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER NO. 69074

PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-115	ALIGNMENT SHEET

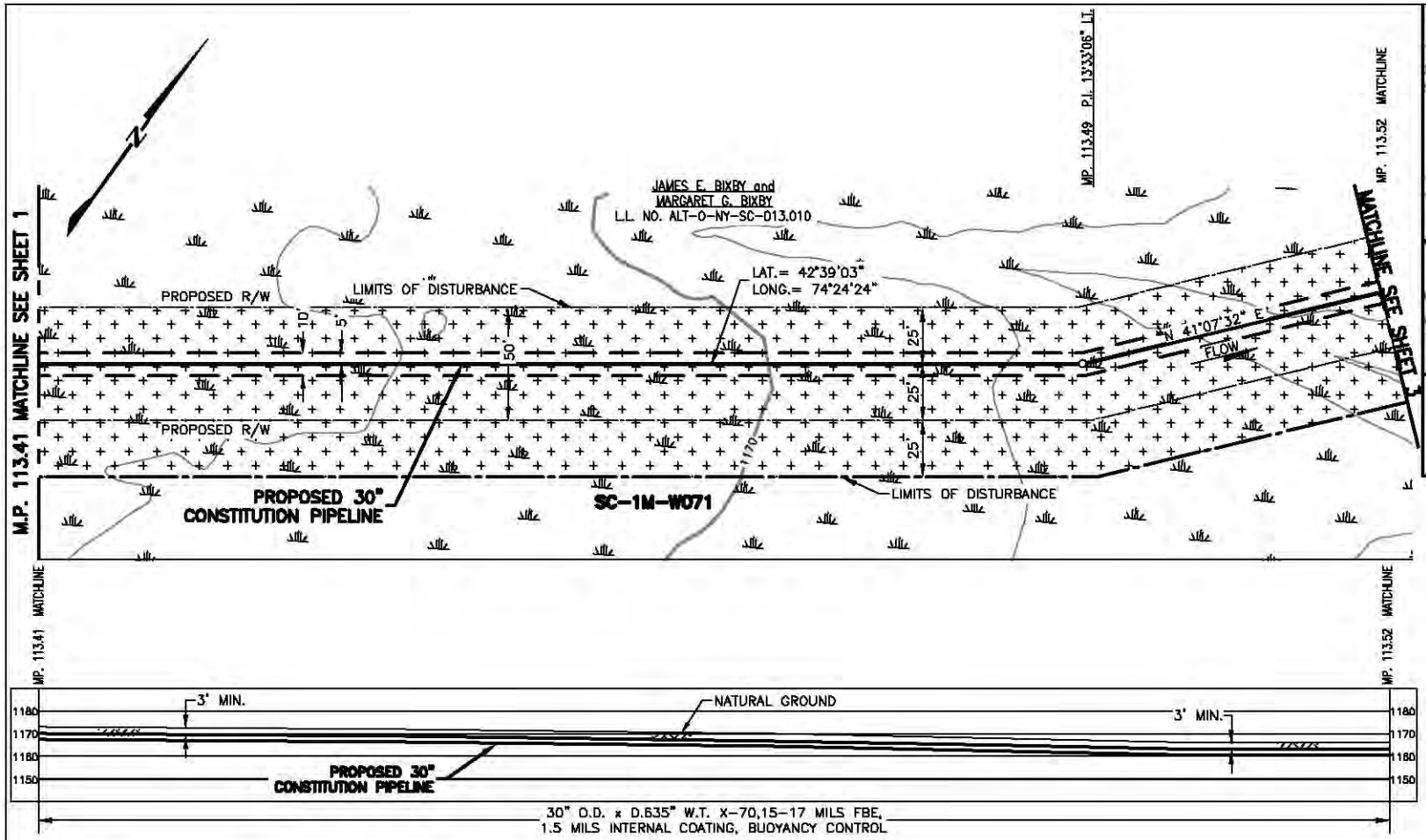
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	08-07-13	GIE	ISSUED FOR CLIENT REVIEW	1110415		
B	08-14-13	GIE	REVISED - ISSUED FOR CLIENT REVIEW	1110145		
D	08-17-13	GIE	ISSUE FOR USE	1110415		
1	10-21-13	GIE	REVISED - ISSUE FOR USE	1110415		
2	10-30-13	GIE	ISSUE FOR USE	1110415		

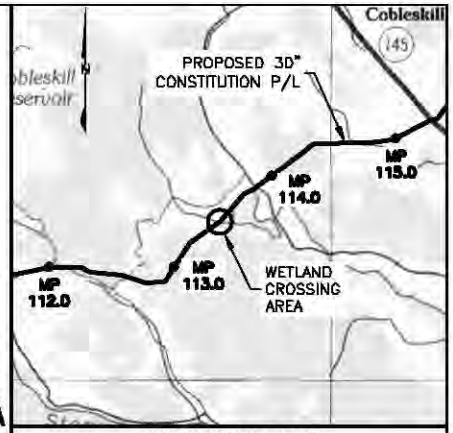
APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING SC-1M-W071 @ M.P. 113.35
TOWN OF MIDDLEBURGH
SCHOHARIE COUNTY, NEW YORK

DRAWN BY: GIE	DATE: 06-11-2013	ISSUED FOR BID:	SCALE: 1" = 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/SC-1M-W071-1-2	SHEET 343 OF 362
WO: 1110415			





VICINITY MAP

USGS QUAD MAP: AMSTERDAM, NY

5000' 0 5000'

SCALE IN FEET

NOTES:

1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
3. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
4. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN THE ECP BMP TYPICAL DETAILS.
5. WETLAND DELINEATION COMPLETED BY AECOM.
6. THIS DRAWING DEPICTS IMPACTS REQUIRED FOR A JOINT APPLICATION WITH THE USACE AND THE NYDEC. THE PROPOSED R/W IS A 50 FOOT PERMANENT RIGHT-OF-WAY (ROW) THAT REPRESENTS A LEGAL EASEMENT AGREEMENT FROM THE LANDOWNER TO CONSTITUTION.
   CONSTRUCTION ACREAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY); OPERATION ACREAGE = 10 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED IN HERBACEOUS VEGETATED COVER THROUGH PSS WETLANDS, AND 30 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED THROUGH PFO WETLANDS.

Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres)					State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
			Construction			Operation				
			PFO	PSS	PEM	PFO	PSS			
SC-1M-W071	PEM	600			1.04			CO-25 CLASS 2	Y	Conventional

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER
NO. 69074

PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-115	ALIGNMENT SHEET

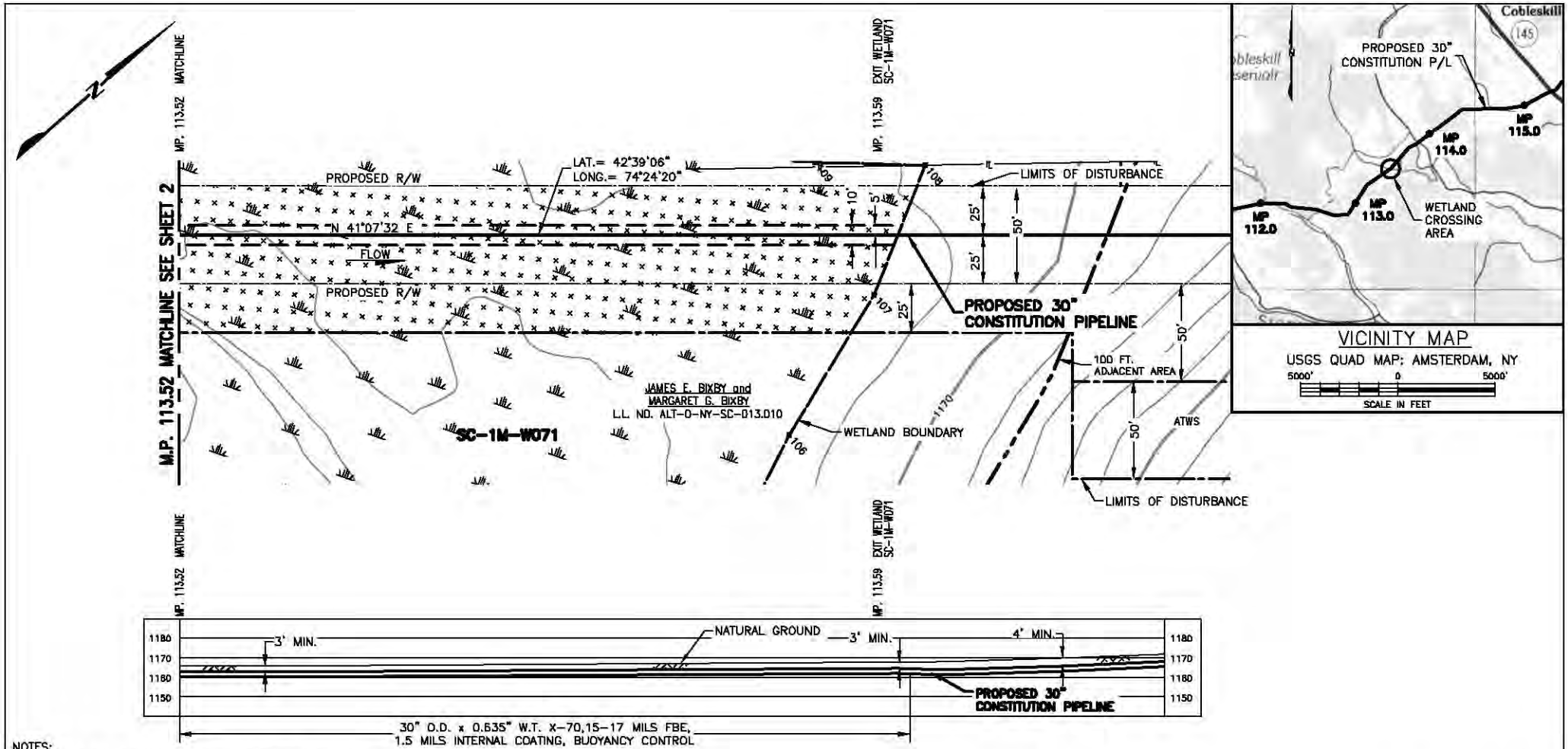
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	08-07-13	GIE	ISSUED FOR CLIENT REVIEW	1110415		
B	08-14-13	GIE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
D	08-17-13	GIE	ISSUE FOR USE	1110415		
1	10-21-13	GIE	REVISED - ISSUE FOR USE	1110415		
2	10-30-13	GIE	ISSUE FOR USE	1110415		

APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING SC-1M-W071 @ M.P. 113.35
TOWN OF MIDDLEBURGH
SCHOHARIE COUNTY, NEW YORK

DRAWN BY: GIE	DATE: 06-11-2013	ISSUED FOR BID:	SCALE: 1" = 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/SC-1M-W071-2-2	SHEET 344 OF 362
WO: 1110415			



NOTES:

1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
3. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
4. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN THE ECP BMP TYPICAL DETAILS.
5. WETLAND DELINEATION COMPLETED BY AECOM.
6. THIS DRAWING DEPICTS IMPACTS REQUIRED FOR A JOINT APPLICATION WITH THE USACE AND THE NYDEC. THE PROPOSED R/W IS A 50 FOOT PERMANENT RIGHT-OF-WAY (ROW) THAT REPRESENTS A LEGAL EASEMENT AGREEMENT FROM THE LANDOWNER TO CONSTITUTION. CONSTRUCTION ACREAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY); OPERATION ACREAGE = 10 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED IN HERBACEOUS VEGETATED COVER THROUGH PSS WETLANDS, AND 30 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED THROUGH PFO WETLANDS.

Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres) Construction PFO	Construction PSS	Construction PEM	Operation PFO	Operation PSS	State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
SC-1M-W071	PEM	369			0.62			CO-25 CLASS 2	Y	Conventional

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER NO. 69074

PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-115	ALIGNMENT SHEET

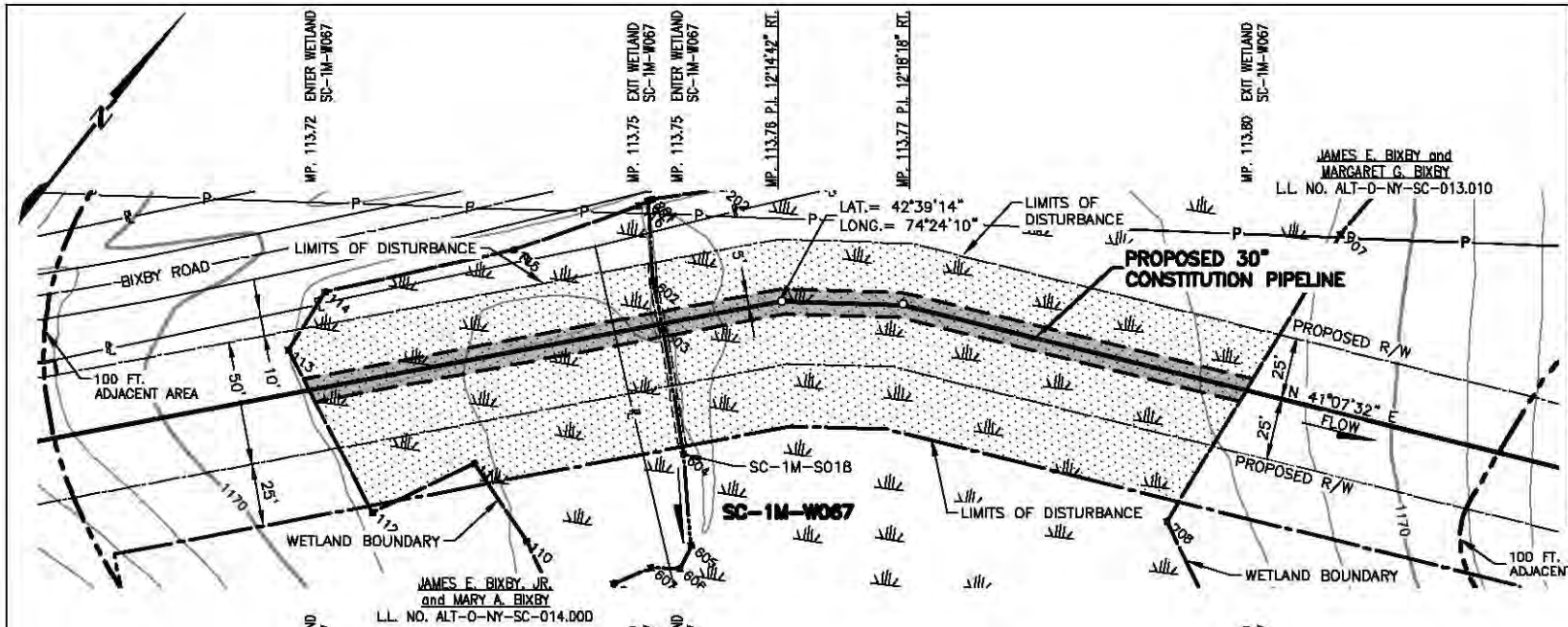
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	08014013	GIE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
0	08-17-13	GIE	ISSUE FOR USE	1110145		
1	08-21-13	GIE	REVISED - ISSUE FOR USE	1110145		
2	10-21-13	GIE	REVISED - ISSUE FOR USE	1110415		
3	10-31-13	GIE	ISSUE FOR USE	1110415		

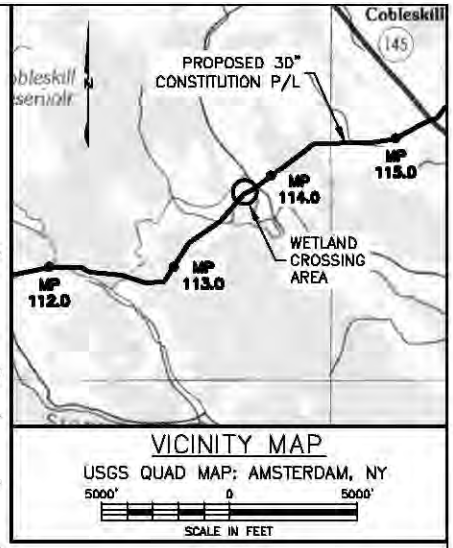
APPLICATION NO.: NAN-2012-00449-UBR

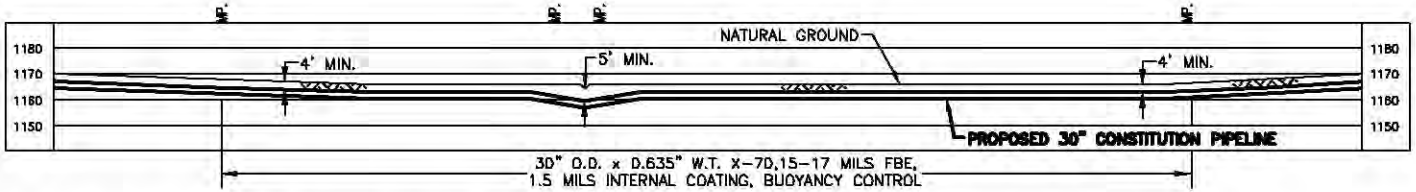
GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING SC-1M-W071 @ M.P. 113.35
TOWN OF MIDDLEBURGH
SCHOHARIE COUNTY, NEW YORK

DRAWN BY: GIE	DATE: 06-11-2013	ISSUED FOR BID:	SCALE: 1" = 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/SC-1M-W071-3-3	SHEET 345 OF 362
WO: 1110415			







NOTES:

1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
3. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
4. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN THE ECP BMP TYPICAL DETAILS.
5. WETLAND DELINEATION COMPLETED BY AECOM.
6. THIS DRAWING DEPICTS IMPACTS REQUIRED FOR A JOINT APPLICATION WITH THE USACE AND THE NYDEC. THE PROPOSED R/W IS A 50 FOOT PERMANENT RIGHT-OF-WAY (ROW) THAT REPRESENTS A LEGAL EASEMENT AGREEMENT FROM THE LANDOWNER TO CONSTITUTION.
   CONSTRUCTION ACREAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY); OPERATION ACREAGE = 10 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED IN HERBACEOUS VEGETATED COVER THROUGH PSS WETLANDS, AND 30 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED THROUGH PFO WETLANDS.

Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres)					State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
			Construction			Operation				
			PFO	PSS	PEM	PFO	PSS			
SC-1M-W067	PSS	384		0.64			0.09	CO-25, CLASS II	Y	Conventional

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER
NO. 69074

PLAN/PROFILE

0 40 80 120 160
SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-115	ALIGNMENT SHEET

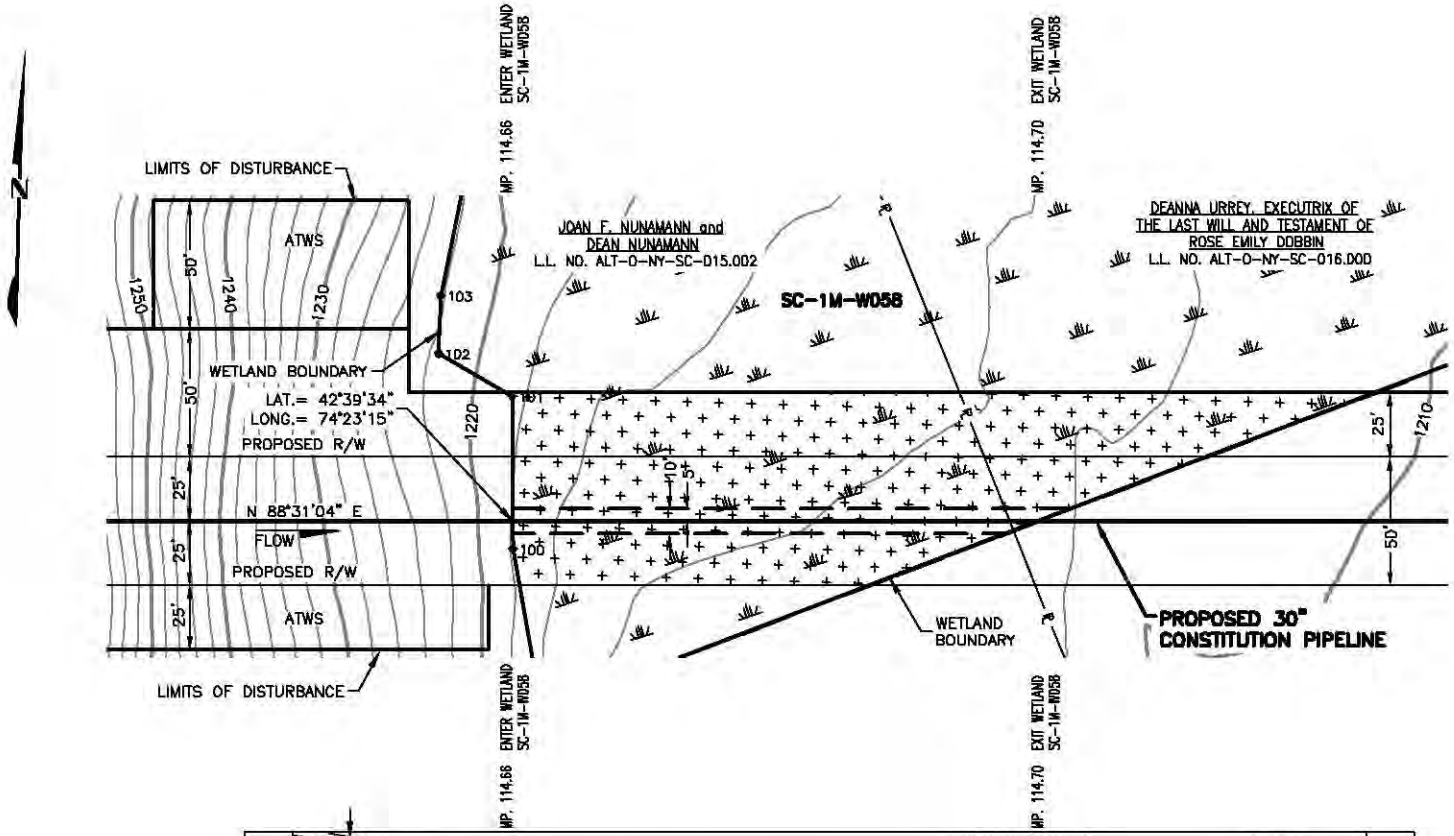
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
B	08-14-13	GIE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
0	08-18-13	GIE	ISSUE FOR USE	1110415		
1	10-19-13	GIE	REVISED - ISSUE FOR USE	1110415		
2	10-30-13	GIE	REVISED - ISSUE FOR USE	1110415		
3	10-31-13	GIE	ISSUE FOR USE	1110415		

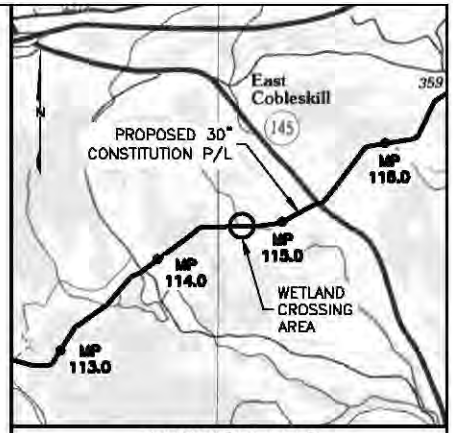
APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING SC-1M-W067 @ M.P. 113.72
TOWN OF MIDDLEBURGH
SCHOHARIE COUNTY, NEW YORK

DRAWN BY: GIE	DATE: 06-13-2013	ISSUED FOR BID:	SCALE: 1" = 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/SC-1M-W067-1-3	SHEET 346 OF 362
WO: 1110415			



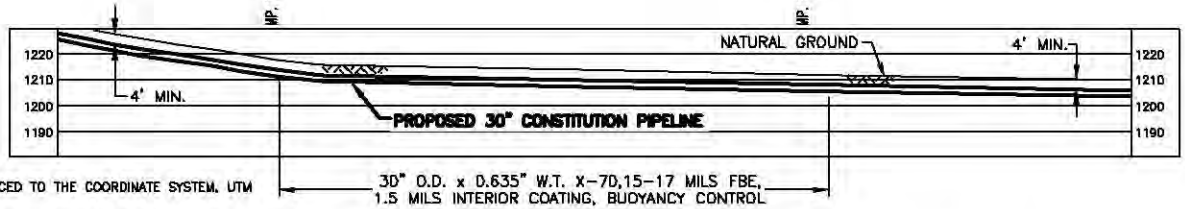


VICINITY MAP

USGS QUAD MAP: AMSTERDAM, NY

5000' 0 5000'

SCALE IN FEET



NOTES:

1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
3. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
4. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN THE ECP BMP TYPICAL DETAILS.
5. WETLAND DELINEATION COMPLETED BY AECOM.
6. THIS DRAWING DEPICTS IMPACTS REQUIRED FOR A JOINT APPLICATION WITH THE USACE AND THE NYDEC. THE PROPOSED R/W IS A 50 FOOT PERMANENT RIGHT-OF-WAY (ROW) THAT REPRESENTS A LEGAL EASEMENT AGREEMENT FROM THE LANDOWNER TO CONSTITUTION. CONSTRUCTION ACREAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY); OPERATION ACREAGE = 10 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED IN HERBACEOUS VEGETATED COVER THROUGH PSS WETLANDS, AND 30 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED THROUGH PFO WETLANDS.

Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres) Construction PFO	Construction PSS	Construction PEM	Operation PFO	Operation PSS	State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
SU-1M-W058	PEM	205			0.41			N/A	N	Conventional

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER NO. 69074

PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-116	ALIGNMENT SHEET

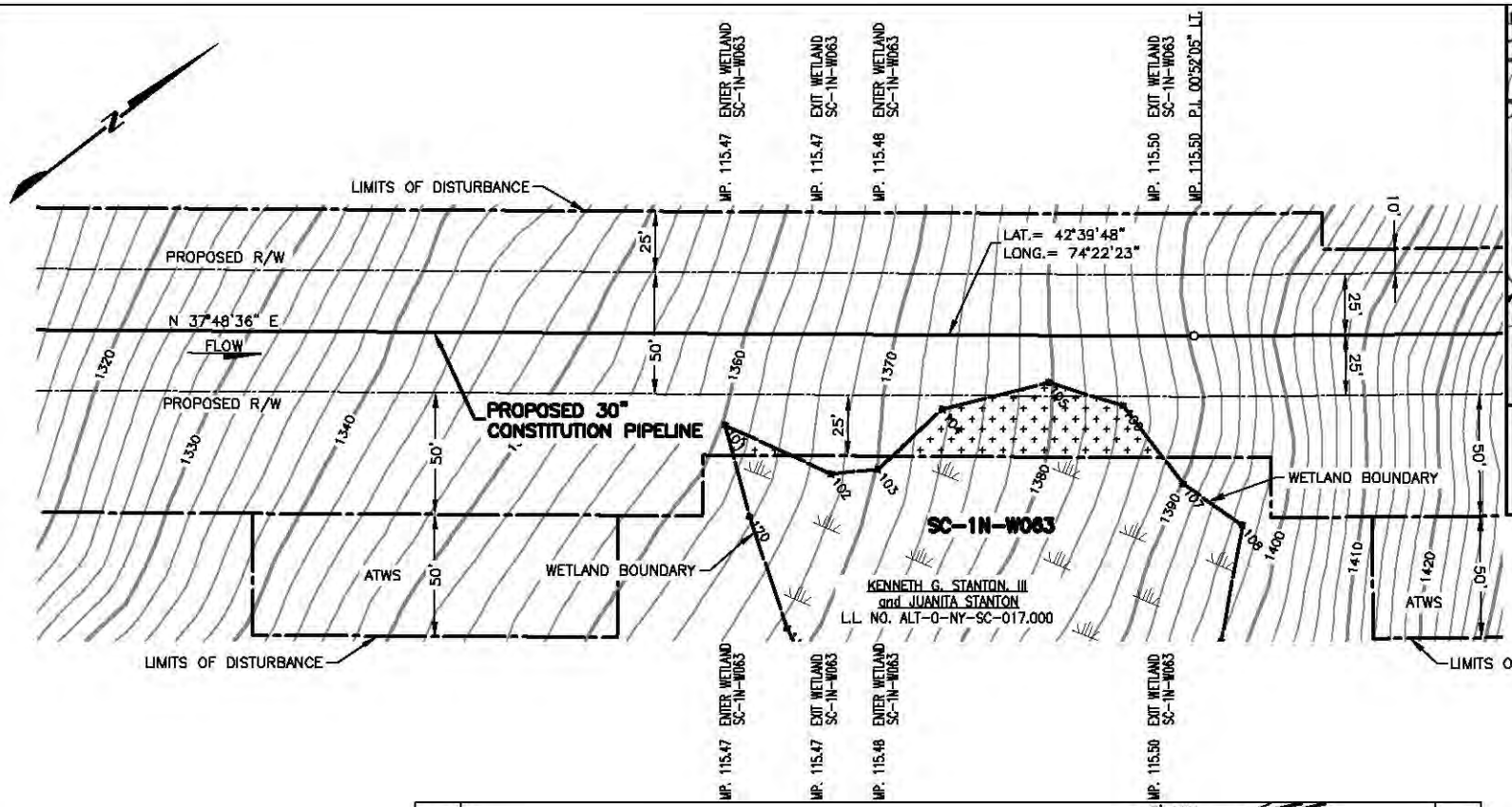
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	10-19-13	GIE	ISSUED FOR CLIENT REVIEW	1110415		
B	10-30-13	GIE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
D	10-31-13	GIE	ISSUE FOR USE	1110415		

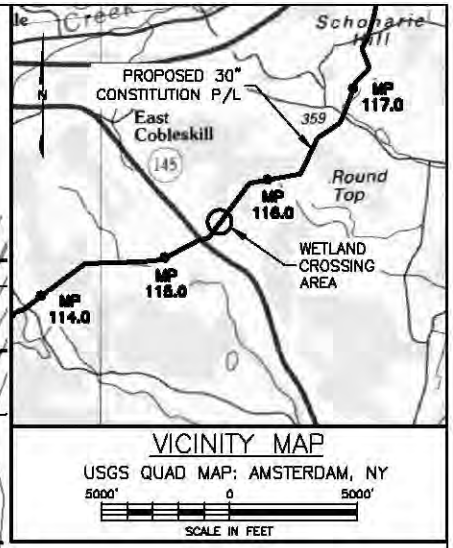
APPLICATION NO.: NAN-2012-00449-UBR

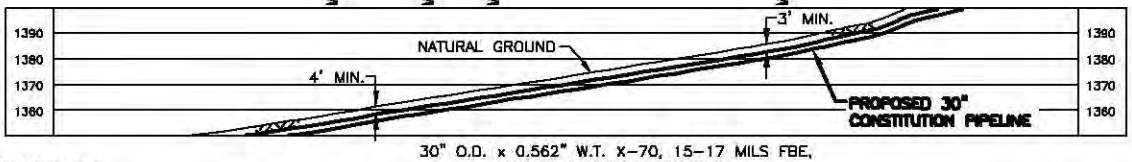
GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING SC-1M-W058 @ M.P. 114.66
TOWN OF MIDDLEBURGH
SCHOHARIE COUNTY, NEW YORK

DRAWN BY: GIE	DATE: 10-19-13	ISSUED FOR BID:	SCALE: 1" = 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/SC-1M-W058-1-0	SHEET 347 OF 362
WO: 1110415			







30" O.D. x 0.562" W.T. X-70, 15-17 MILS FBE,
1.5 MILS INTERNAL COATING

NOTES:

1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
3. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
4. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN THE ECP BMP TYPICAL DETAILS.
5. WETLAND DELINEATION COMPLETED BY AECOM.
6. THIS DRAWING DEPICTS IMPACTS REQUIRED FOR A JOINT APPLICATION WITH THE USACE AND THE NYDEC. THE PROPOSED R/W IS A 50 FOOT PERMANENT RIGHT-OF-WAY (ROW) THAT REPRESENTS A LEGAL EASEMENT AGREEMENT FROM THE LANDOWNER TO CONSTITUTION.
CONSTRUCTION ACREAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY);
OPERATION ACREAGE = 10 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED IN HERBACEOUS VEGETATED COVER THROUGH PSS WETLANDS, AND 30 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED THROUGH PFO WETLANDS.

Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres)					State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
			Construction			Operation				
			PFO	PSS	PEM	PFO	PSS			
SC-1N-W063	PEM	0			0.06			N/A	N	N/A

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER
NO. 69074

PLAN/PROFILE

0 40 80 120 160
SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-117	ALIGNMENT SHEET

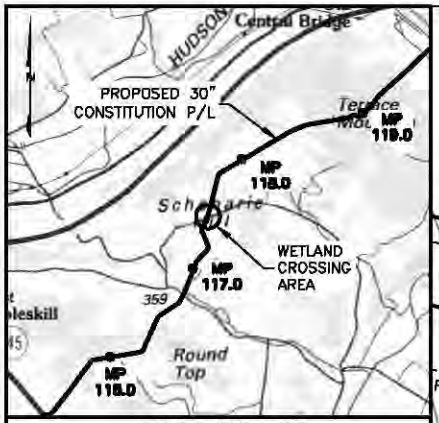
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK	APP.
C	08-17-13	GE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
0	08-19-13	GE	ISSUE FOR USE	1110415		
1	10-17-13	GE	REVISED - ISSUE FOR USE	1110415		
2	10-29-13	GE	REVISED - ISSUE FOR USE	1110415		
3	10-30-13	GE	ISSUE FOR USE	1110415		

APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING SC-1N-W063 @ M.P. 115.47
TOWN OF MIDDLEBURGH
SCHOHARIE COUNTY, NEW YORK

DRAWN BY: GIE	DATE: 06-14-2013	ISSUED FOR BID:	SCALE: 1" = 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/SC-1N-W063-1-3	SHEET 348 OF 362
WO: 1110415			

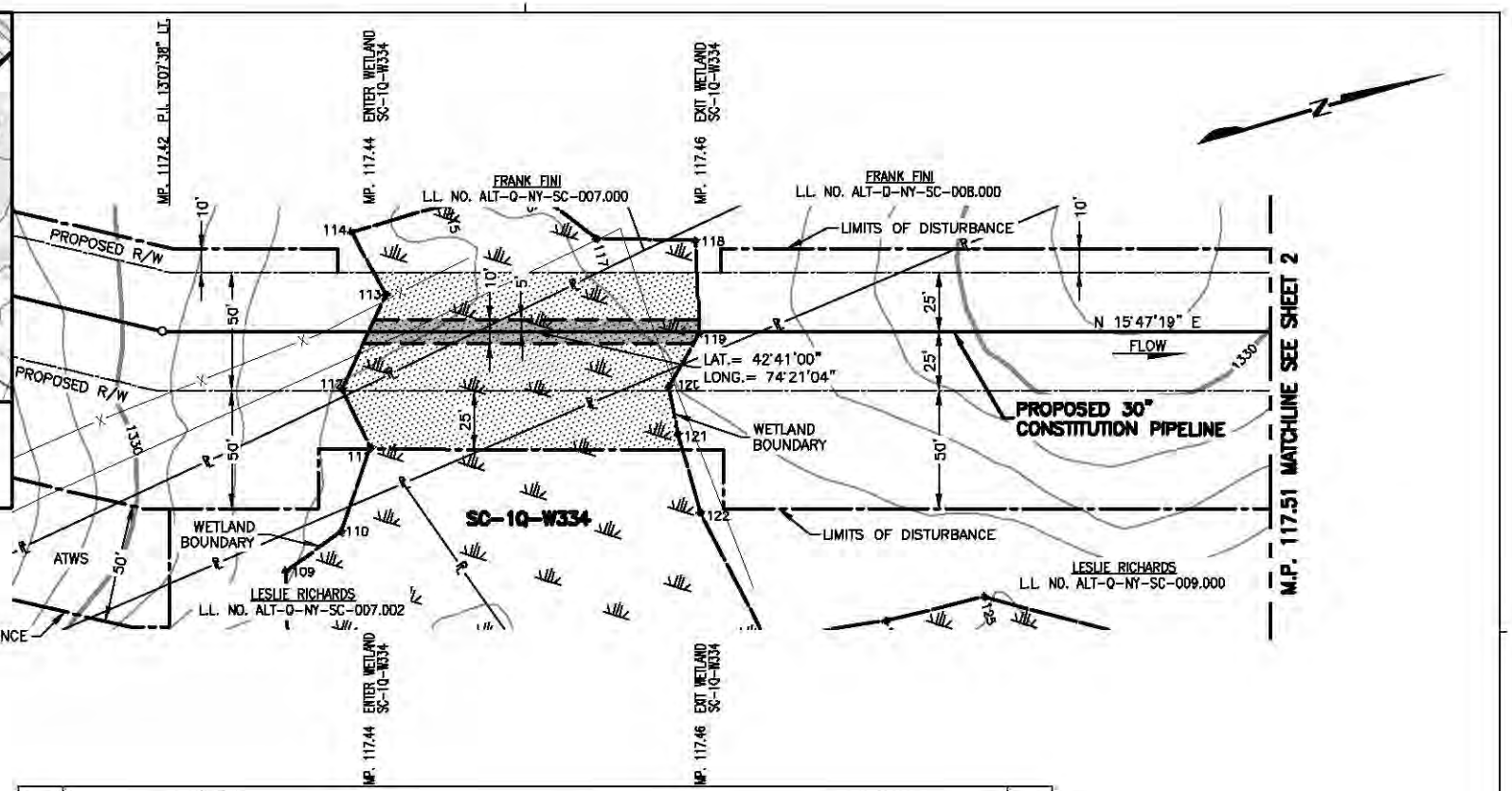


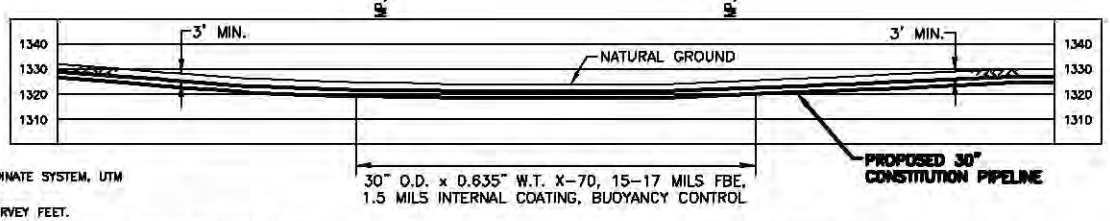
VICINITY MAP

USGS QUAD MAP: AMSTERDAM, NY

5000' 0 5000'

SCALE IN FEET





PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

NOTES:

1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
3. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
4. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN THE ECP BMP TYPICAL DETAILS.
5. WETLAND DELINEATION COMPLETED BY AECOM.
6. THIS DRAWING DEPICTS IMPACTS REQUIRED FOR A JOINT APPLICATION WITH THE USACE AND THE NYDEC. THE PROPOSED R/W IS A 50 FOOT PERMANENT RIGHT-OF-WAY (ROW) THAT REPRESENTS A LEGAL EASEMENT AGREEMENT FROM THE LANDOWNER TO CONSTITUTION. CONSTRUCTION ACREAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY); OPERATION ACREAGE = 10 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED IN HERBACEOUS VEGETATED COVER THROUGH PSS WETLANDS, AND 30 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED THROUGH PFO WETLANDS.

Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres) Construction PFO	Construction PSS	Construction PEM	Operation PFO	Operation PSS	State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
SC-1Q-W334	PSS	140		0.23			0.03	N/A	N	Conventional

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER
NO. 69074

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-119	ALIGNMENT SHEET

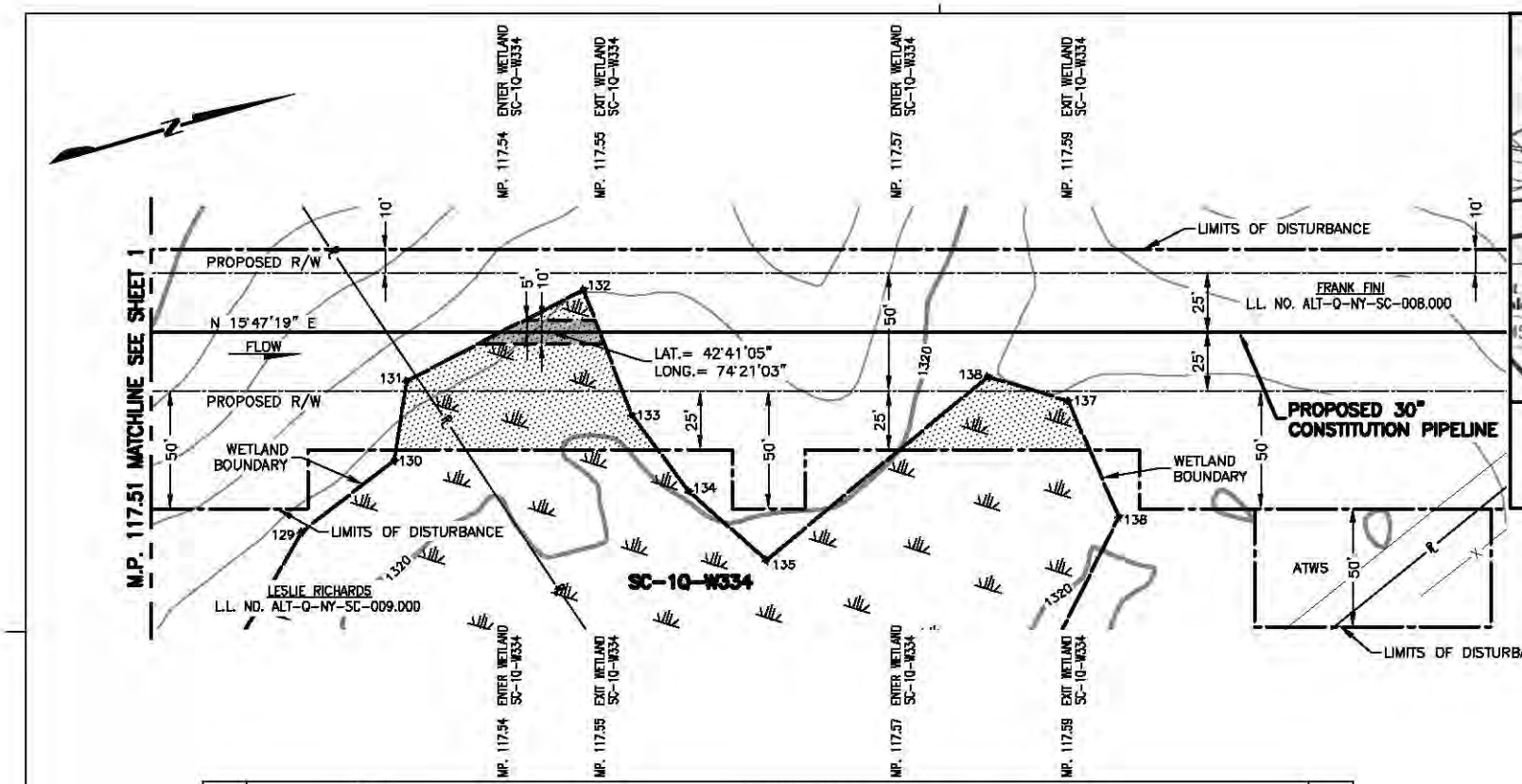
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
C	08-16-13	GIE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
0	08-19-13	GIE	ISSUE FOR USE	1110415		
1	10-17-13	GIE	REVISED - ISSUE FOR USE	1110415		
2	10-28-13	GIE	REVISED - ISSUE FOR USE	1110415		
3	10-30-13	GIE	ISSUE FOR USE	1110415		

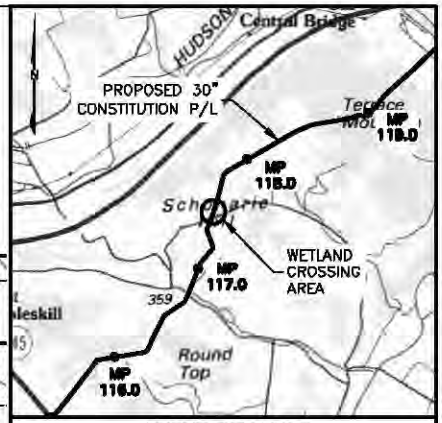
APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING SC-1Q-W334 @ M.P. 117.44
TOWN OF SCHOHARIE
SCHOHARIE COUNTY, NEW YORK

DRAWN BY: GIE	DATE: 06-14-2013	ISSUED FOR BID:	SCALE: 1" = 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/SC-1Q-W334-1-3	SHEET 349 OF 362
WO: 1110415			



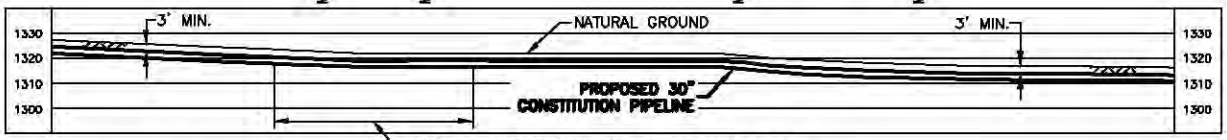


VICINITY MAP

USGS QUAD MAP: AMSTERDAM, NY

5000' 0 5000'

SCALE IN FEET



30" O.D. x 0.635" W.T. X-70, 15-17 MILS FBE, 1.5 MILS INTERNAL, BUOYANCY CONTROL

NOTES:

1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
3. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
4. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN THE ECP BMP TYPICAL DETAILS.
5. WETLAND DELINEATION COMPLETED BY AECOM.
6. THIS DRAWING DEPICTS IMPACTS REQUIRED FOR A JOINT APPLICATION WITH THE USACE AND THE NYDEC. THE PROPOSED R/W IS A 50 FOOT PERMANENT RIGHT-OF-WAY (ROW) THAT REPRESENTS A LEGAL EASEMENT AGREEMENT FROM THE LANDOWNER TO CONSTITUTION. CONSTRUCTION ACREAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY); OPERATION ACREAGE = 10 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED IN HERBACEOUS VEGETATED COVER THROUGH PSS WETLANDS, AND 30 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED THROUGH PFO WETLANDS.

Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres) Construction PFO	Construction PSS	Construction PEM	Operation PFO	Operation PSS	State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
SC-1Q-W334	PSS	41		0.15			0.01	N/A	N	Conventional

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER NO. 69074

PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

DRAWING NO.	REFERENCE TITLE
26-26-70/D001-119	ALIGNMENT SHEET

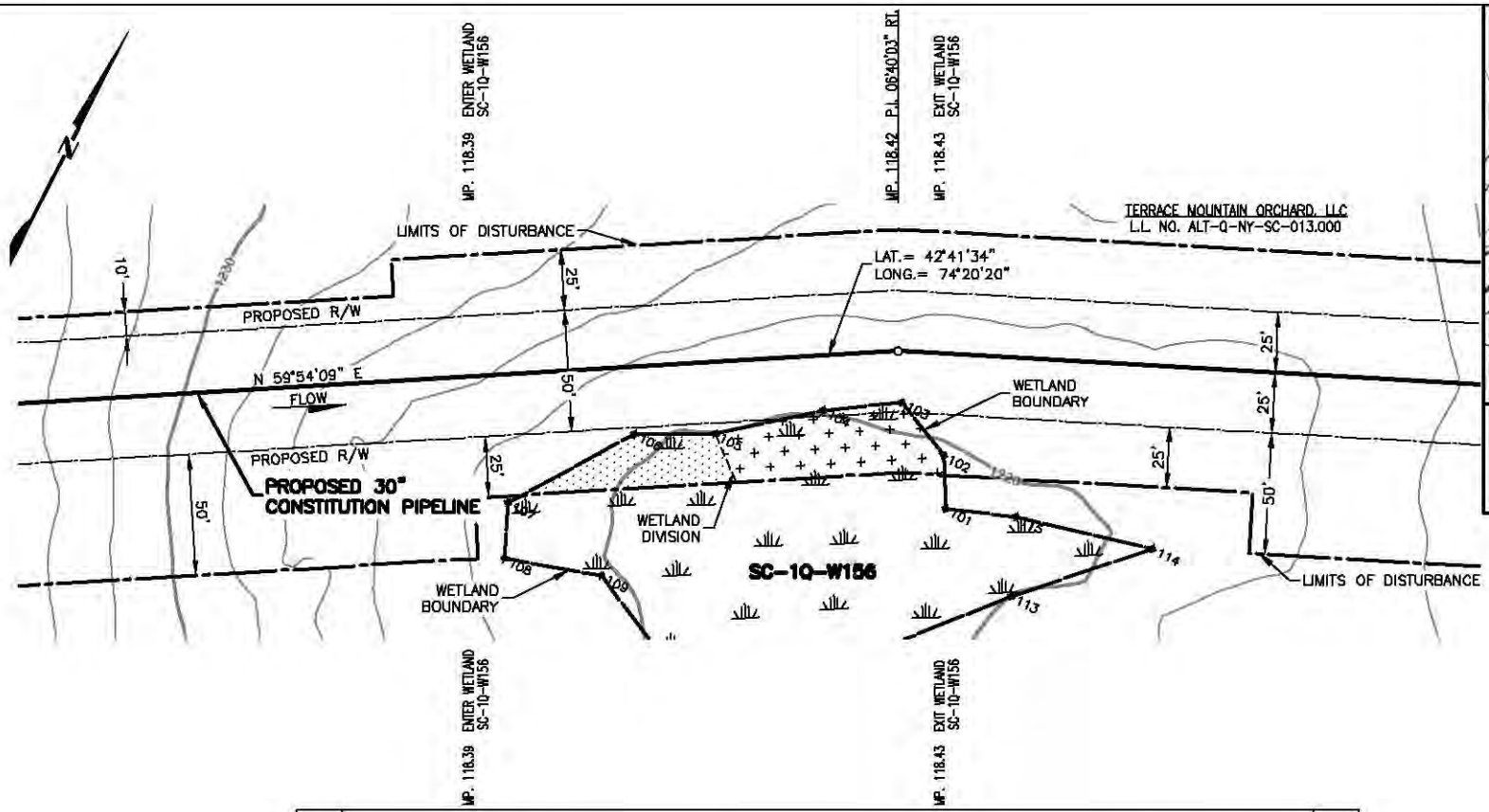
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
C	08-16-13	GIE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
0	08-19-13	GIE	ISSUE FOR USE	1110415		
1	10-17-13	GIE	REVISED - ISSUE FOR USE	1110415		
2	10-29-13	GIE	REVISED - ISSUE FOR USE	1110415		
3	10-30-13	GIE	ISSUE FOR USE	1110415		

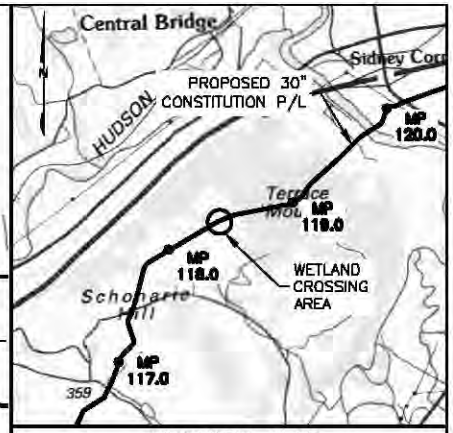
APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING SC-1Q-W334 @ M.P. 117.44
TOWN OF SCHOHARIE
SCHOHARIE COUNTY, NEW YORK

DRAWN BY: GIE	DATE: 06-14-2013	ISSUED FOR BID:	SCALE: 1" = 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/SC-1Q-W334-2-3	SHEET 350 OF 362
WO: 1110415			



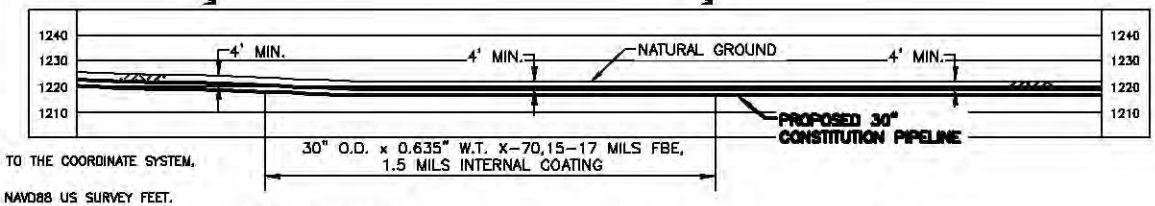


VICINITY MAP

USGS QUAD MAP: AMSTERDAM, NY

5000' 0 5000'

SCALE IN FEET



NOTES:

1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
3. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
4. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN THE ECP BMP TYPICAL DETAILS.
5. WETLAND DELINEATION COMPLETED BY AECOM.
6. THIS DRAWING DEPICTS IMPACTS REQUIRED FOR A JOINT APPLICATION WITH THE USACE AND THE NYDEC. THE PROPOSED R/W IS A 50 FOOT PERMANENT RIGHT-OF-WAY (ROW) THAT REPRESENTS A LEGAL EASEMENT AGREEMENT FROM THE LANDOWNER TO CONSTITUTION. CONSTRUCTION ACREAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY); OPERATION ACREAGE = 10 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED IN HERBACEOUS VEGETATED COVER THROUGH PSS WETLANDS, AND 30 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED THROUGH PFO WETLANDS.

Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres)					State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
			Construction			Operation				
			PFO	PSS	PEM	PFO	PSS			
SC-1Q-W156	PSS/PEM	0		0.03	0.05			N/A	N	N/A

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER
NO. 69074

PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-120	ALIGNMENT SHEET

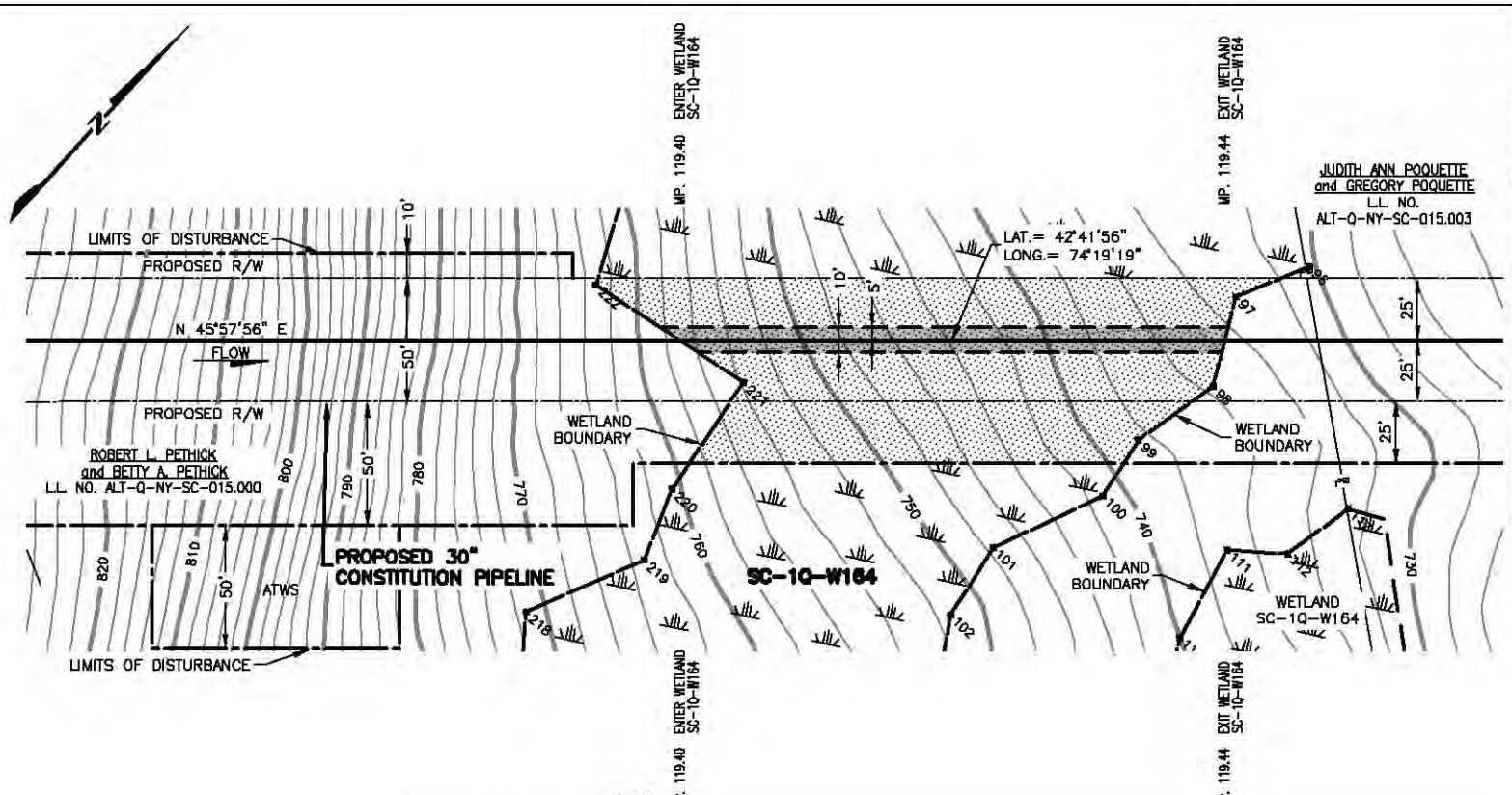
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
C	08-18-13	GIE	REVISED-ISSUED FOR CLIENT REVIEW	1110415		
0	08-19-13	GIE	ISSUE FOR USE	1110415		
1	10-17-13	GIE	REVISED - ISSUE FOR USE	1110415		
2	10-28-13	GIE	REVISED - ISSUE FOR USE	1110415		
3	10-30-13	GIE	ISSUE FOR USE	1110415		

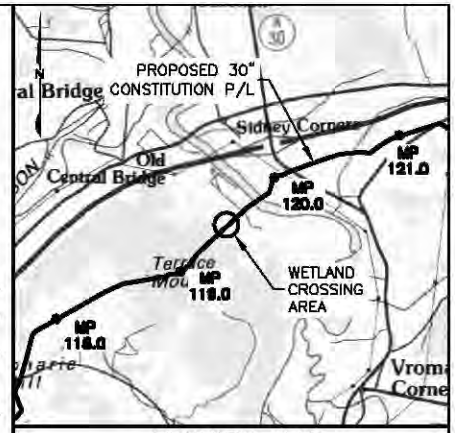
GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

APPLICATION NO.: NAN-2012-00449-UBR

CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING SC-1Q-W156 @ M.P. 118.39
TOWN OF SCHOHARIE
SCHOHARIE COUNTY, NEW YORK

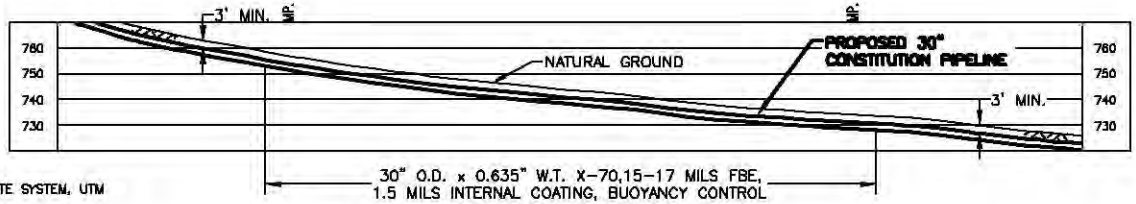
DRAWN BY: GIE	DATE: 06-15-2013	ISSUED FOR BID:	SCALE: 1" = 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/SC-1Q-W156-1-3	SHEET 351 OF 362
WO: 1110415			





VICINITY MAP

USGS QUAD MAP: AMSTERDAM, NY



NOTES:

1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
3. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
4. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN THE ECP BMP TYPICAL DETAILS.
5. WETLAND DELINEATION COMPLETED BY AECOM.
6. THIS DRAWING DEPICTS IMPACTS REQUIRED FOR A JOINT APPLICATION WITH THE USACE AND THE NYDEC. THE PROPOSED R/W IS A 50 FOOT PERMANENT RIGHT-OF-WAY (ROW) THAT REPRESENTS A LEGAL EASEMENT AGREEMENT FROM THE LANDOWNER TO CONSTITUTION. CONSTRUCTION ACREAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY); OPERATION ACREAGE = 10 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED IN HERBACEOUS VEGETATED COVER THROUGH PSS WETLANDS, AND 30 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED THROUGH PFO WETLANDS.

Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres)					State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
			Construction			Operation				
			PFO	PSS	PEM	PFO	PSS			
SC-1Q-W164	PSS	221		0.36			0.05	N/A	N	Conventional

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER
NO. 69074

PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-121	ALIGNMENT SHEET

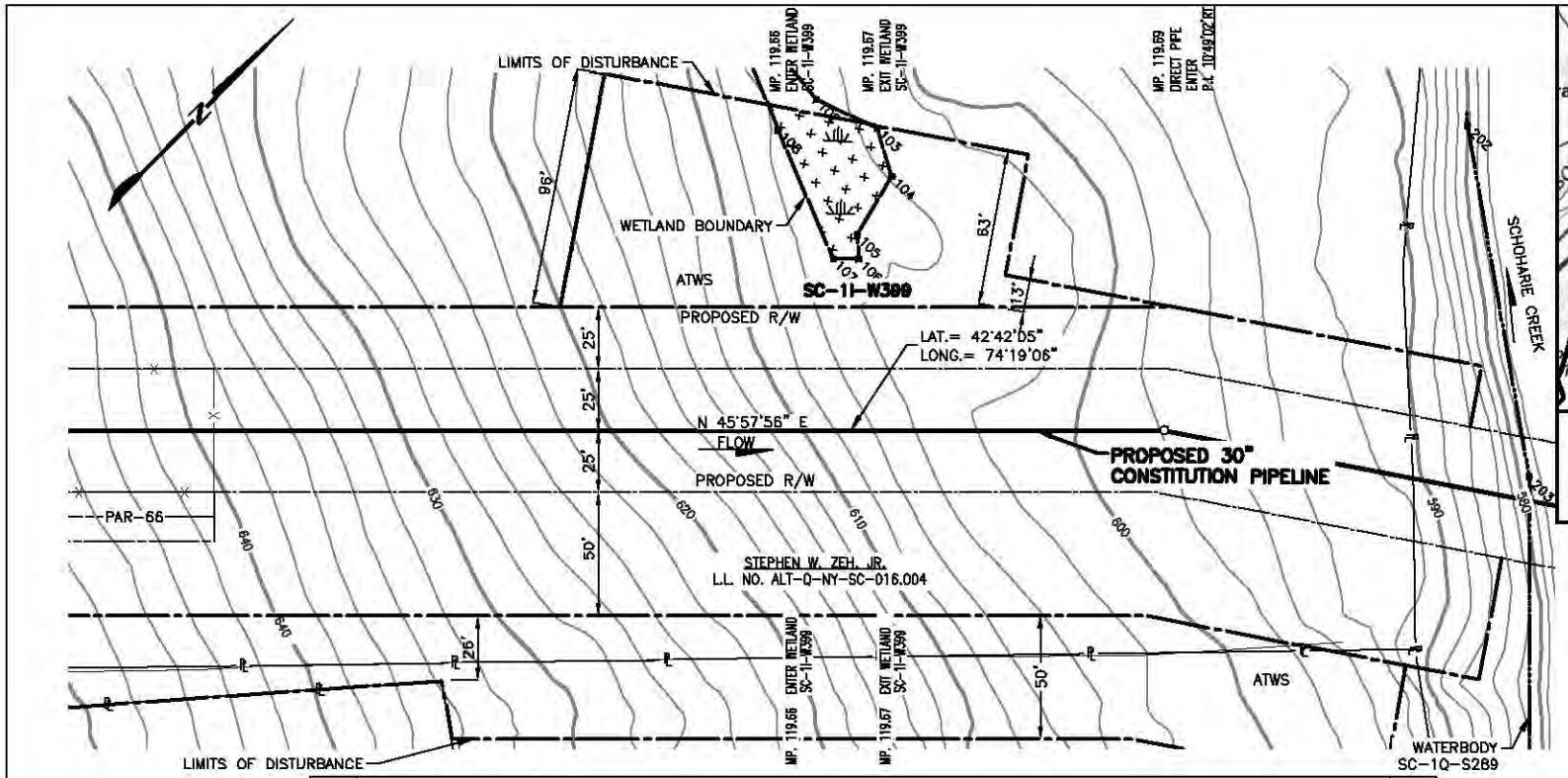
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	08-12-13	GE	ISSUED FOR CLIENT REVIEW	1110415		
0	08-15-13	GE	ISSUE FOR USE	1110415		
1	10-17-13	GE	REVISED - ISSUE FOR USE	1110415		
2	10-28-13	GE	ISSUE FOR USE	1110415		

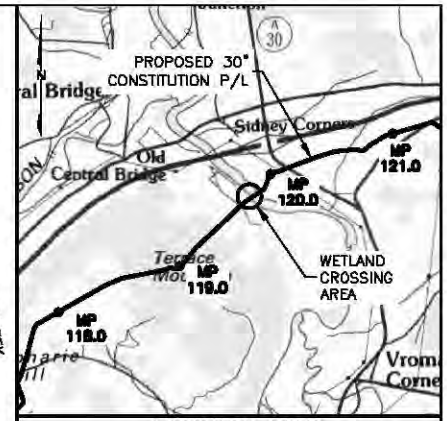
APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING SC-1Q-W164 @ M.P. 119.40
TOWN OF SCHOHARIE
SCHOHARIE COUNTY, NEW YORK

DRAWN BY: GIE	DATE: 06-15-2013	ISSUED FOR BID:	SCALE: 1" = 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/SC-1Q-W164-1-2	SHEET 352 OF 362
WO: 1110415			



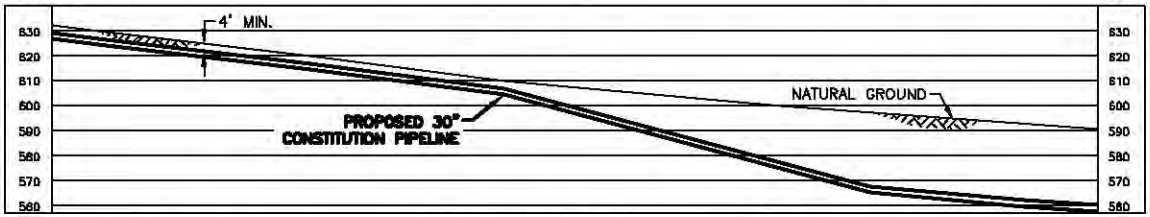


VICINITY MAP

USGS QUAD MAP: AMSTERDAM, NY

5000' 0 5000'

SCALE IN FEET



30" O.D. x 0.635" W.T. X-70, 15-17 MILS FBE,
1.5 MILS INTERNAL COATING

PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

NOTES:

1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
3. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
4. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN THE ECP BMP TYPICAL DETAILS.
5. WETLAND DELINEATION COMPLETED BY AECOM.
6. THIS DRAWING DEPICTS IMPACTS REQUIRED FOR A JOINT APPLICATION WITH THE USACE AND THE NYDEC. THE PROPOSED R/W IS A 50 FOOT PERMANENT RIGHT-OF-WAY (ROW) THAT REPRESENTS A LEGAL EASEMENT AGREEMENT FROM THE LANDOWNER TO CONSTITUTION. CONSTRUCTION ACREAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY); OPERATION ACREAGE = 10 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED IN HERBACEOUS VEGETATED COVER THROUGH PSS WETLANDS, AND 30 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED THROUGH PFO WETLANDS.

Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres)					State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
			Construction			Operation				
			PFO	PSS	PEM	PFO	PSS			
SC-1I-W399	PEM	0			0.04			N/A	N	N/A

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER
NO. 69074

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-121	ALIGNMENT SHEET

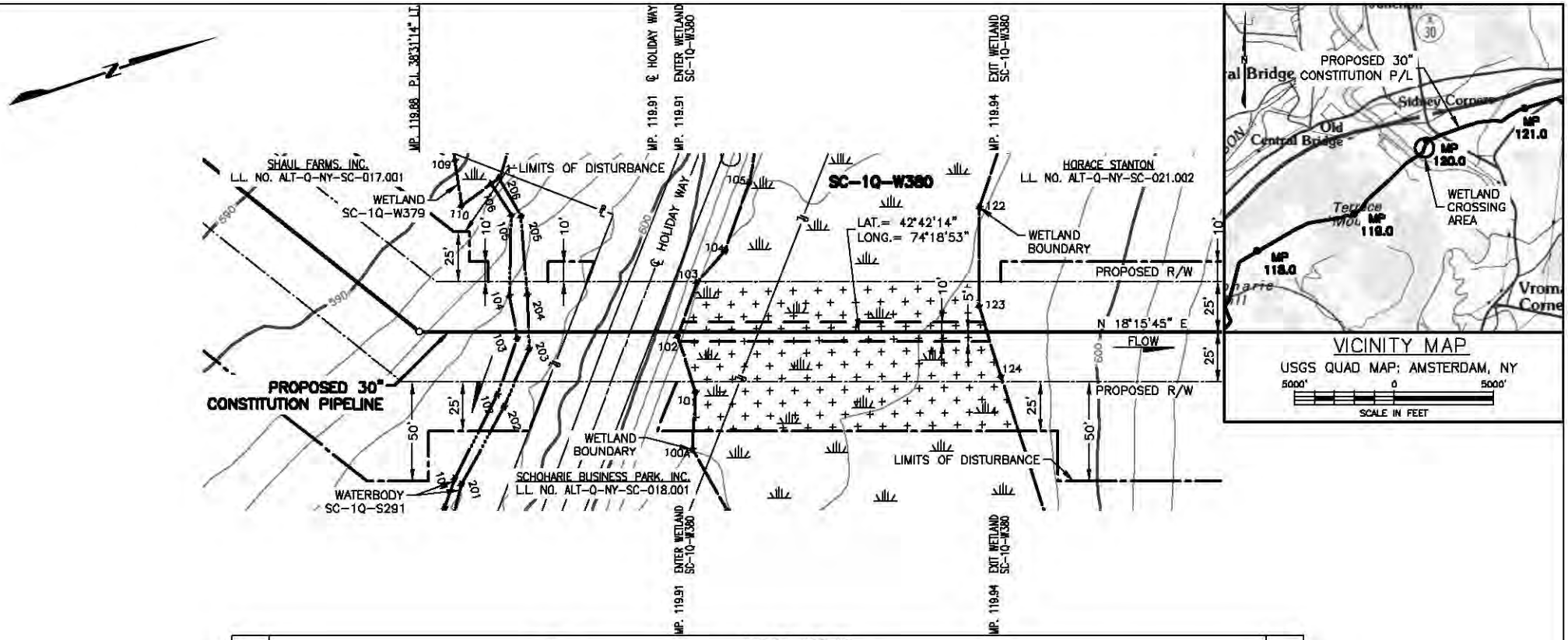
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
B	08-14-13	GIE	REVISED ISSUE FOR REVIEW	1110415		
C	08-16-13	GIE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
D	08-19-13	GIE	ISSUE FOR USE	1110415		
1	10-18-13	GIE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
2	10-28-13	GIE	ISSUE FOR USE	1110415		

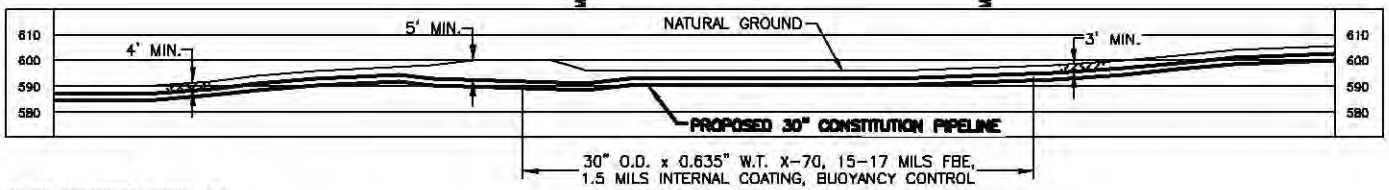
GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

APPLICATION NO.: NAN-2012-00449-UBR

CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING SC-11-W399 @ M.P. 119.66
TOWN OF SCHOHARIE
SCHOHARIE COUNTY, NEW YORK

DRAWN BY: GIE	DATE: 07-23-2013	ISSUED FOR BID:	SCALE: 1" = 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/SC-11-W399-1-2	SHEET 353 OF 362
WO: 1110415			





NOTES:

1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
3. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
4. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN THE ECP BMP TYPICAL DETAILS.
5. WETLAND DELINEATION COMPLETED BY AECOM.
6. THIS DRAWING DEPICTS IMPACTS REQUIRED FOR A JOINT APPLICATION WITH THE USACE AND THE NYDEC. THE PROPOSED R/W IS A 50 FOOT PERMANENT RIGHT-OF-WAY (ROW) THAT REPRESENTS A LEGAL EASEMENT AGREEMENT FROM THE LANDOWNER TO CONSTITUTION. CONSTRUCTION ACREAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY); OPERATION ACREAGE = 10 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED IN HERBACEOUS VEGETATED COVER THROUGH PSS WETLANDS, AND 30 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED THROUGH PFO WETLANDS.

Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres)					State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
			Construction			Operation				
			PFO	PSS	PEM	PFO	PSS			
SC-1Q-W380	PEM	154			0.26			N/A	N	Conventional

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER
NO. 69074

PLAN/PROFILE

0 40 80 120 160
SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-121	ALIGNMENT SHEET

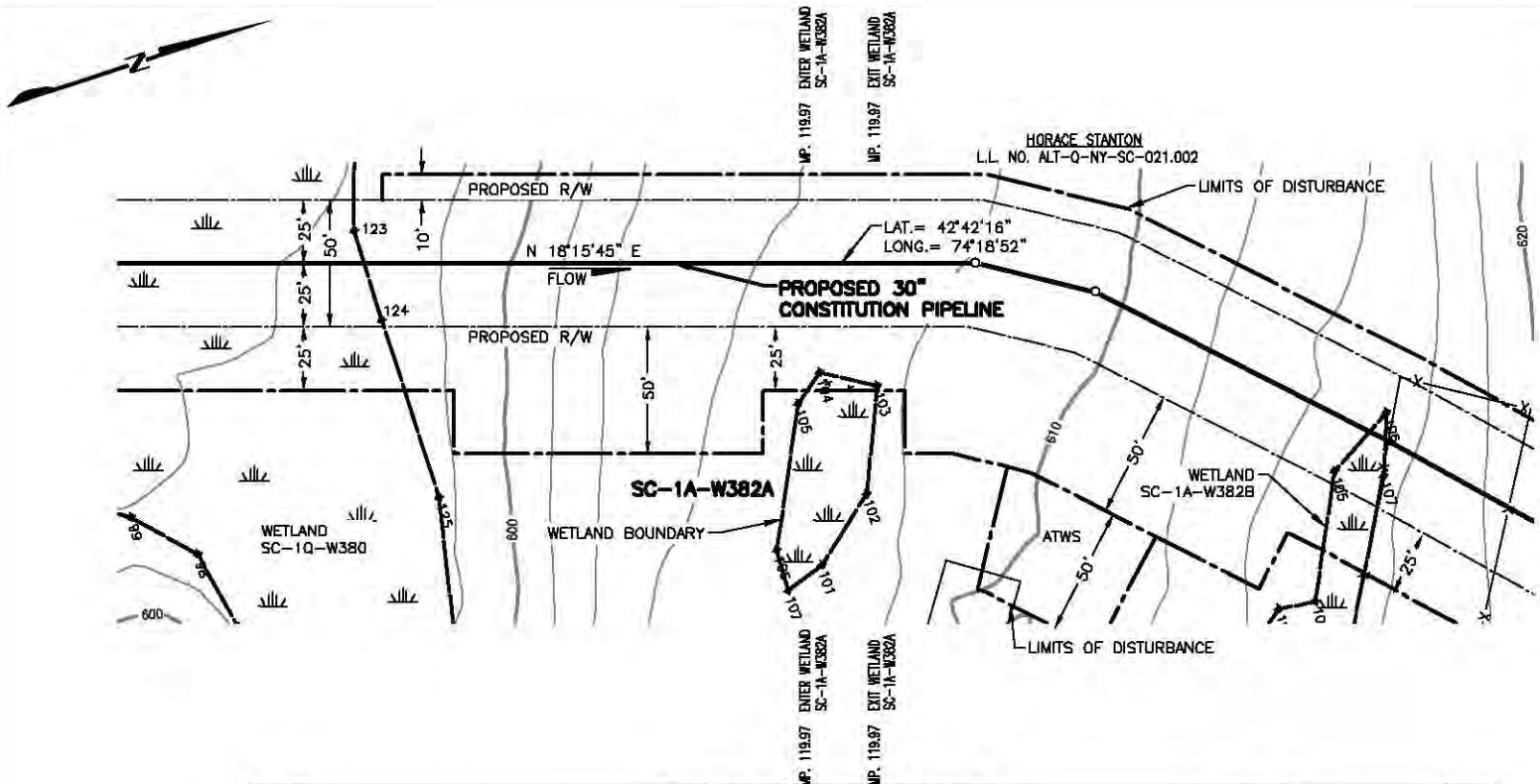
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	08-12-13	GE	ISSUED FOR CLIENT REVIEW	1110415		
B	08-15-13	GE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
0	09-19-03	GE	ISSUE FOR USE	1110415		
1	10-21-13	GE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
2	10-30-13	GE	ISSUE FOR USE	1110415		

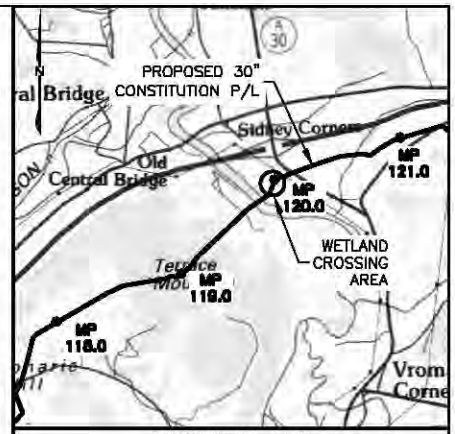
APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSINGS SC-1Q-W380 @ N.P. 119.91
TOWN OF SCHOHARIE
SCHOHARIE COUNTY, NEW YORK

DRAWN BY: GIE	DATE: 06-17-2013	ISSUED FOR BID:	SCALE: 1" = 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/SC-1Q-W380-1-2	SHEET 354 OF 362
WO: 1110415			



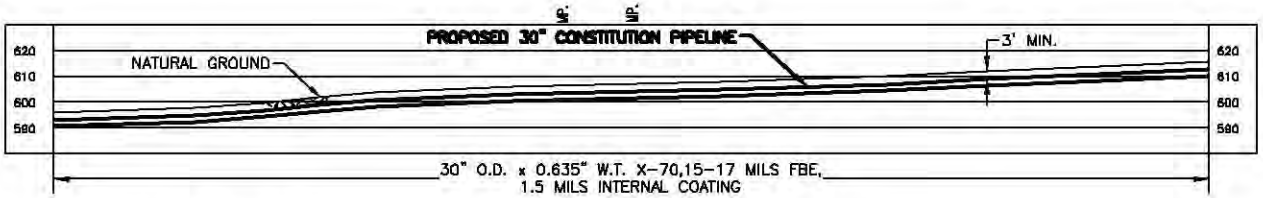


VICINITY MAP

USGS QUAD MAP: AMSTERDAM, NY

5000' 0 5000'

SCALE IN FEET



NOTES:

1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
3. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
4. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN THE ECP BMP TYPICAL DETAILS.
5. WETLAND DELINEATION COMPLETED BY AECOM.
6. THIS DRAWING DEPICTS IMPACTS REQUIRED FOR A JOINT APPLICATION WITH THE USACE AND THE NYDEC. THE PROPOSED R/W IS A 50 FOOT PERMANENT RIGHT-OF-WAY (ROW) THAT REPRESENTS A LEGAL EASEMENT AGREEMENT FROM THE LANDOWNER TO CONSTITUTION. CONSTRUCTION ACREAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY); OPERATION ACREAGE = 10 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED IN HERBACEOUS VEGETATED COVER THROUGH PSS WETLANDS, AND 30 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED THROUGH PFO WETLANDS.

Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres)					State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
			Construction			Operation				
			PFO	PSS	PEM	PFO	PSS			
SC-1A-W382A	PEM	0			0.01			N/A	N	N/A

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER
NO. 69074

PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-121	ALIGNMENT SHEET

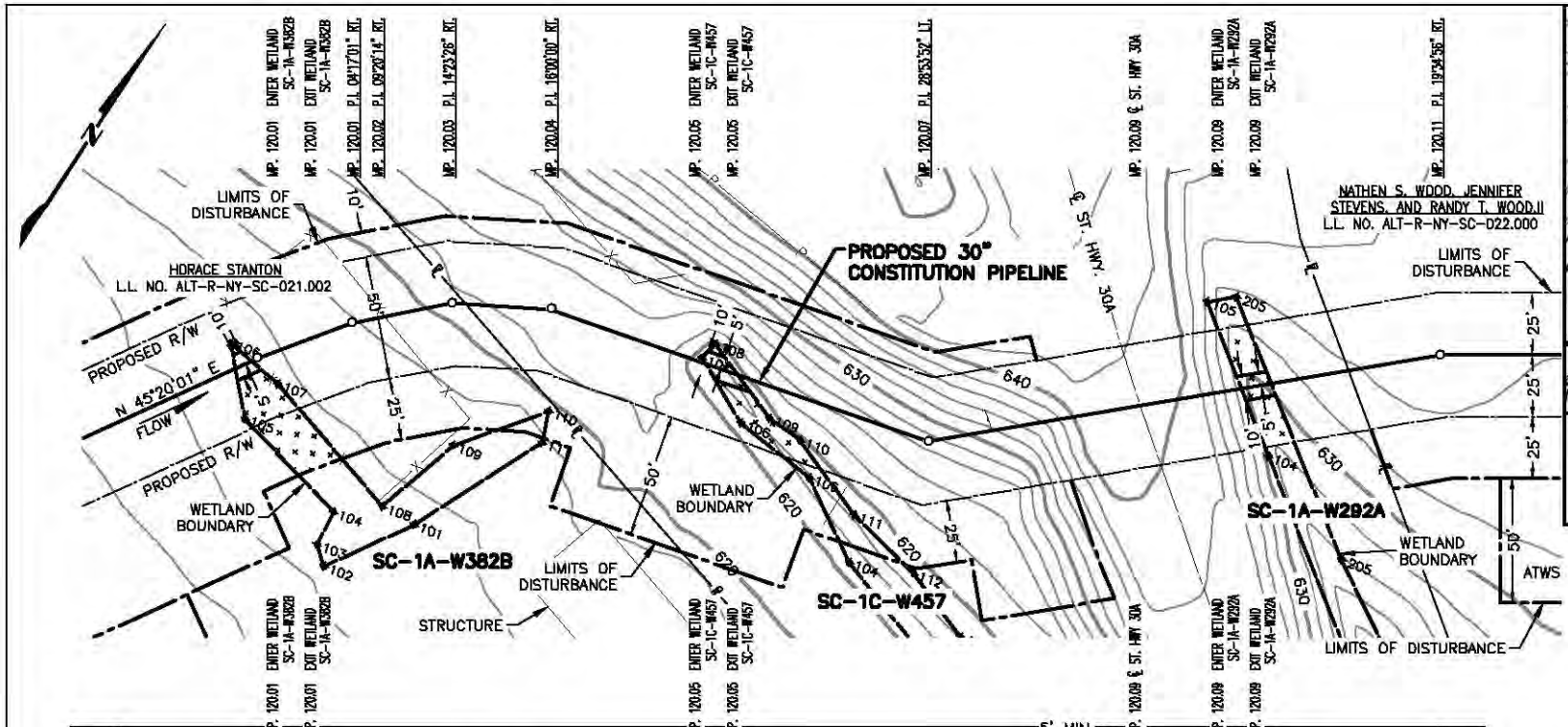
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	10-23-13	GE	ISSUED FOR CLIENT REVIEW	1110415		
0	10-31-13	GE	ISSUE FOR USE	1110415		

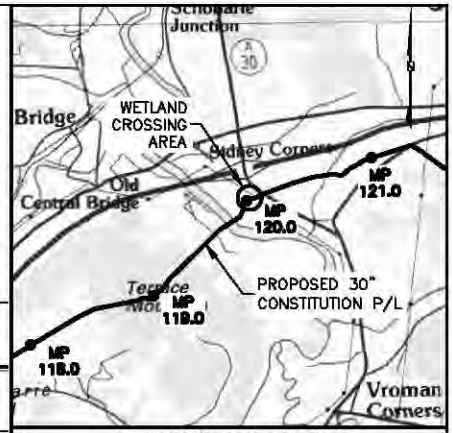
APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING SC-1A-W382A @ M.P. 119.97
TOWN OF SCHOHARIE
SCHOHARIE COUNTY, NEW YORK

DRAWN BY: GIE	DATE: 10-22-2013	ISSUED FOR BID:	SCALE: 1" = 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/SC-1A-W382A-1-0	SHEET 355 OF 362
WO: 1110415			





VICINITY MAP

USGS QUAD MAP: AMSTERDAM, NY

5000' 0 5000'

SCALE IN FEET

NOTES:

1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
3. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
4. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN THE ECP BMP TYPICAL DETAILS.
5. WETLAND DELINEATION COMPLETED BY AECOM.
6. THIS DRAWING DEPICTS IMPACTS REQUIRED FOR A JOINT APPLICATION WITH THE USACE AND THE NYDEC. THE PROPOSED R/W IS A 50 FOOT PERMANENT RIGHT-OF-WAY (ROW) THAT REPRESENTS A LEGAL EASEMENT AGREEMENT FROM THE LANDOWNER TO CONSTITUTION. CONSTRUCTION ACREAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY); OPERATION ACREAGE = 10 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED IN HERBACEOUS VEGETATED COVER THROUGH PSS WETLANDS, AND 30 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED THROUGH PFO WETLANDS.

Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres) Construction PFO	Construction PSS	Construction PEM	Operation PFO	Operation PSS	Operation PEM	State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
SC-1A-W382B	PEM	7			0.03				N/A	N	Conventional
SC-1C-W457	PEM	14			0.02				N/A	N	Conventional
SC-1A-W292A	PEM	12			0.01				N/A	N	Conventional Bore

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER NO. 69074

PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-121	ALIGNMENT SHEET
26-26-70/0001-122	ALIGNMENT SHEET

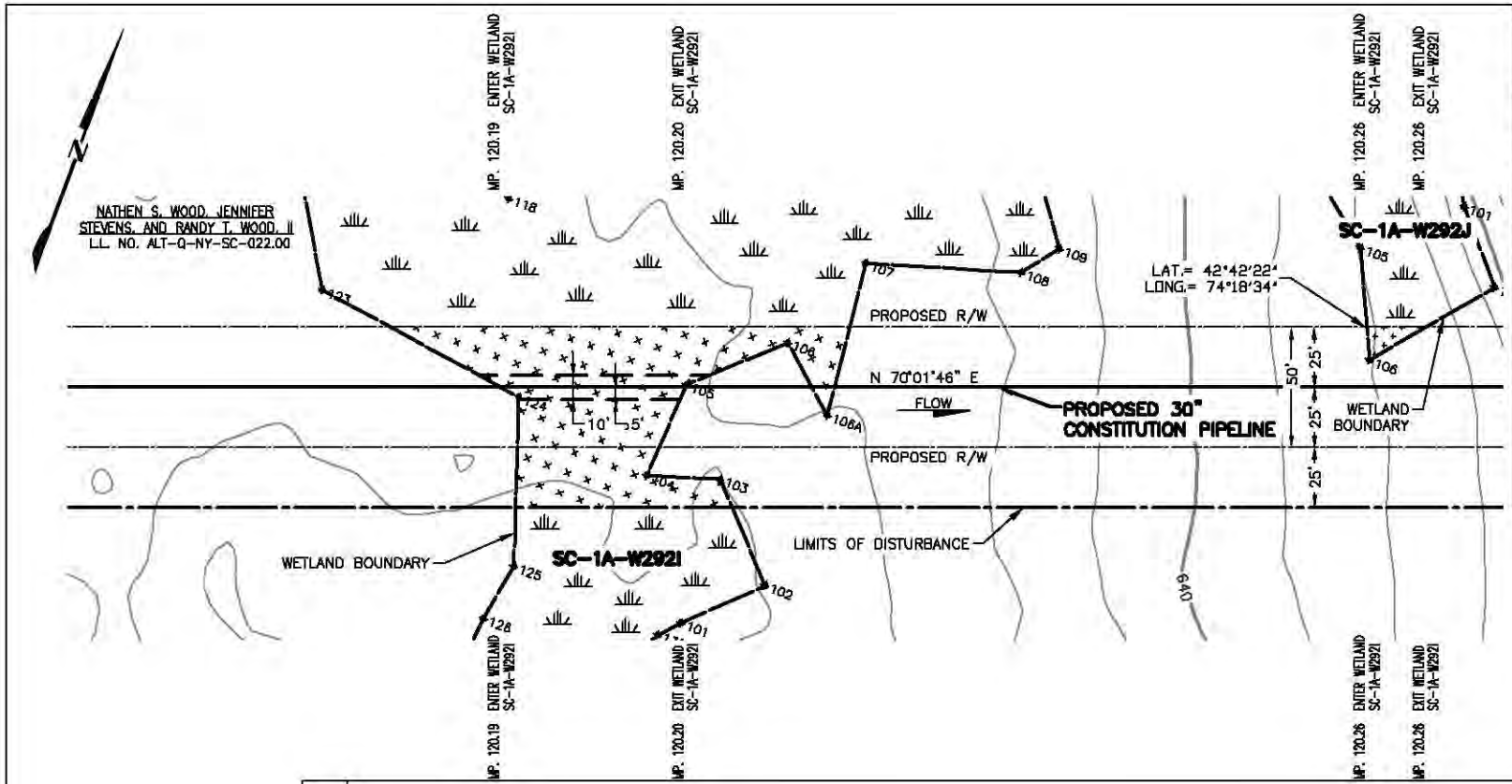
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	10-23-13	GIE	ISSUED FOR CLIENT REVIEW	1110415		
B	10-29-13	GIE	ISSUED FOR CLIENT REVIEW	1110415		
D	10-30-13	GIE	ISSUE FOR USE	1110415		

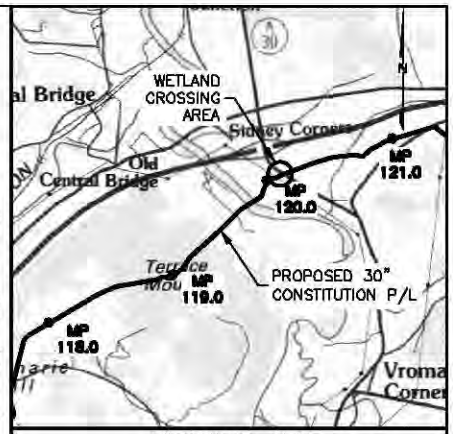
APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSINGS SC-1A-W382B,
SC-1C-W457 AND SC-1A-W292A @ M.P. 120.01
TOWN OF SCHOHARIE SCHOHARIE COUNTY, NEW YORK

DRAWN BY: GIE	DATE: 10-17-13	ISSUED FOR BID:	SCALE: 1" = 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/SC-1A-W382B-1-D	SHEET 356 OF 362
WO: 1110415			



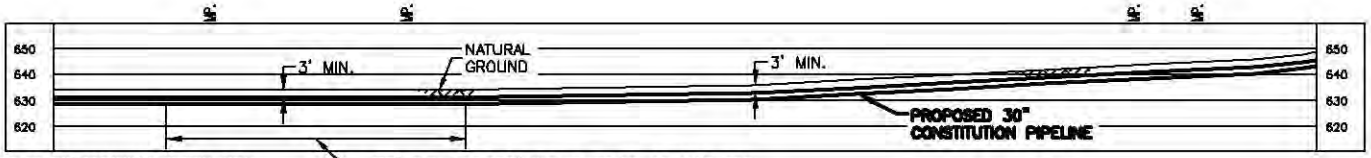


VICINITY MAP

USGS QUAD MAP: AMSTERDAM, NY

5000' 0 5000'

SCALE IN FEET



30" O.D. x 0.635" W.T. X-70,15-17 MILS FBE, 1.5 MILS INTERNAL COATING, BUOYANCY CONTROL

NOTES:

1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
3. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
4. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN THE ECP BMP TYPICAL DETAILS.
5. WETLAND DELINEATION COMPLETED BY AECOM.
6. THIS DRAWING DEPICTS IMPACTS REQUIRED FOR A JOINT APPLICATION WITH THE USACE AND THE NYDEC. THE PROPOSED R/W IS A 50 FOOT PERMANENT RIGHT-OF-WAY (ROW) THAT REPRESENTS A LEGAL EASEMENT AGREEMENT FROM THE LANDOWNER TO CONSTITUTION.
   CONSTRUCTION ACREAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY); OPERATION ACREAGE = 10 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED IN HERBACEOUS VEGETATED COVER THROUGH PSS WETLANDS, AND 30 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED THROUGH PFO WETLANDS.

Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres)					State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
			Construction			Operation				
			PFO	PSS	PEM	PFO	PSS			
SC-1A-W292I	PEM	86			0.16			N/A	N	Conventional
SC-1A-W292J	PEM	0			0.01			N/A	N	Conventional

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER NO. 69074

PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-122	ALIGNMENT SHEET

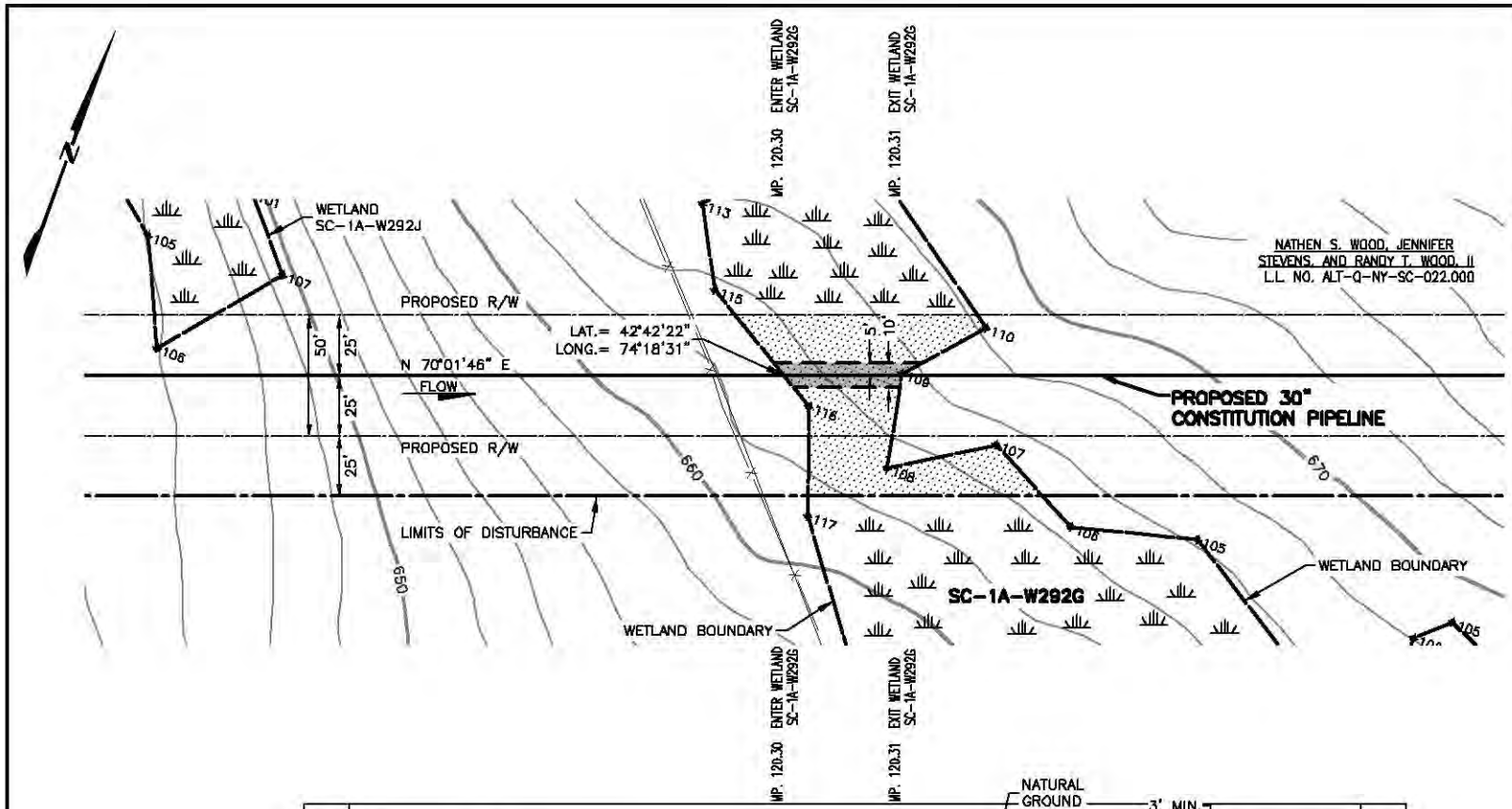
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	10-18-13	GIE	ISSUED FOR CLIENT REVIEW	1110415		
B	10-29-13	GIE	ISSUED FOR CLIENT REVIEW	1110415		
0	10-30-13	GIE	ISSUE FOR USE	1110415		

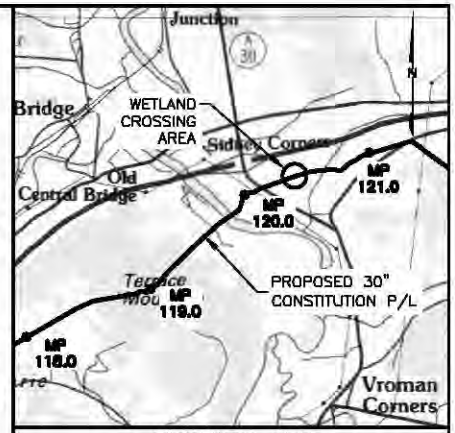
GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

APPLICATION NO.: NAN-2012-00449-UBR

CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSINGS SC-1A-W292I AND SC-1A-W292J @ M.P. 120.19
TOWN OF SCHOHARIE, SCHOHARIE COUNTY, NEW YORK

DRAWN BY: GIE	DATE: 10-17-13	ISSUED FOR BID:	SCALE: 1" = 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/SC-1A-W292I-1-0	SHEET 357 OF 362
WO: 1110415			





VICINITY MAP

USGS QUAD MAP: AMSTERDAM, NY

5000' 0 5000'

SCALE IN FEET

NOTES:

1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
3. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
4. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN THE ECP BMP TYPICAL DETAILS.
5. WETLAND DELINEATION COMPLETED BY AECOM.
6. THIS DRAWING DEPICTS IMPACTS REQUIRED FOR A JOINT APPLICATION WITH THE USACE AND THE NYDEC. THE PROPOSED R/W IS A 50 FOOT PERMANENT RIGHT-OF-WAY (ROW) THAT REPRESENTS A LEGAL EASEMENT AGREEMENT FROM THE LANDOWNER TO CONSTITUTION.
   CONSTRUCTION ACREAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY);
   OPERATION ACREAGE = 10 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED IN HERBACEOUS VEGETATED COVER THROUGH PSS WETLANDS, AND 30 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED THROUGH PFO WETLANDS.

Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres)					State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
			Construction			Operation				
			PFO	PSS	PEM	PFO	PSS			
SC-1A--W292G	PSS	49		0.11			0.01	N/A	N/A	Conventional

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER NO. 69074

PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-122	ALIGNMENT SHEET

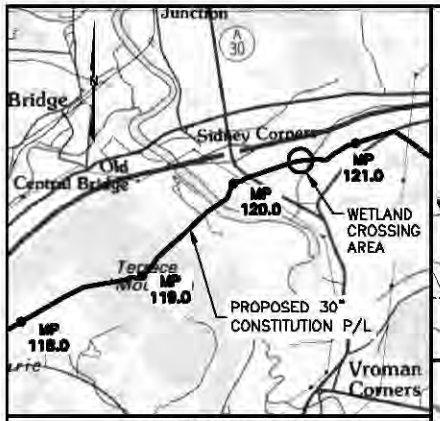
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK	APP.
A	10-18-13	GE	ISSUED FOR CLIENT REVIEW	1110415		
0	10-29-13	GE	ISSUE FOR USE	1110415		

APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING SC-1A-W292G @ M.P. 120.30
TOWN OF SCHOHARIE
SCHOHAIRE COUNTY, NEW YORK

DRAWN BY: GIE	DATE: 10-18-13	ISSUED FOR BID:	SCALE: 1" = 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/SC-1A-W292G-1-0	SHEET 358 OF 362
WO: 1110415			

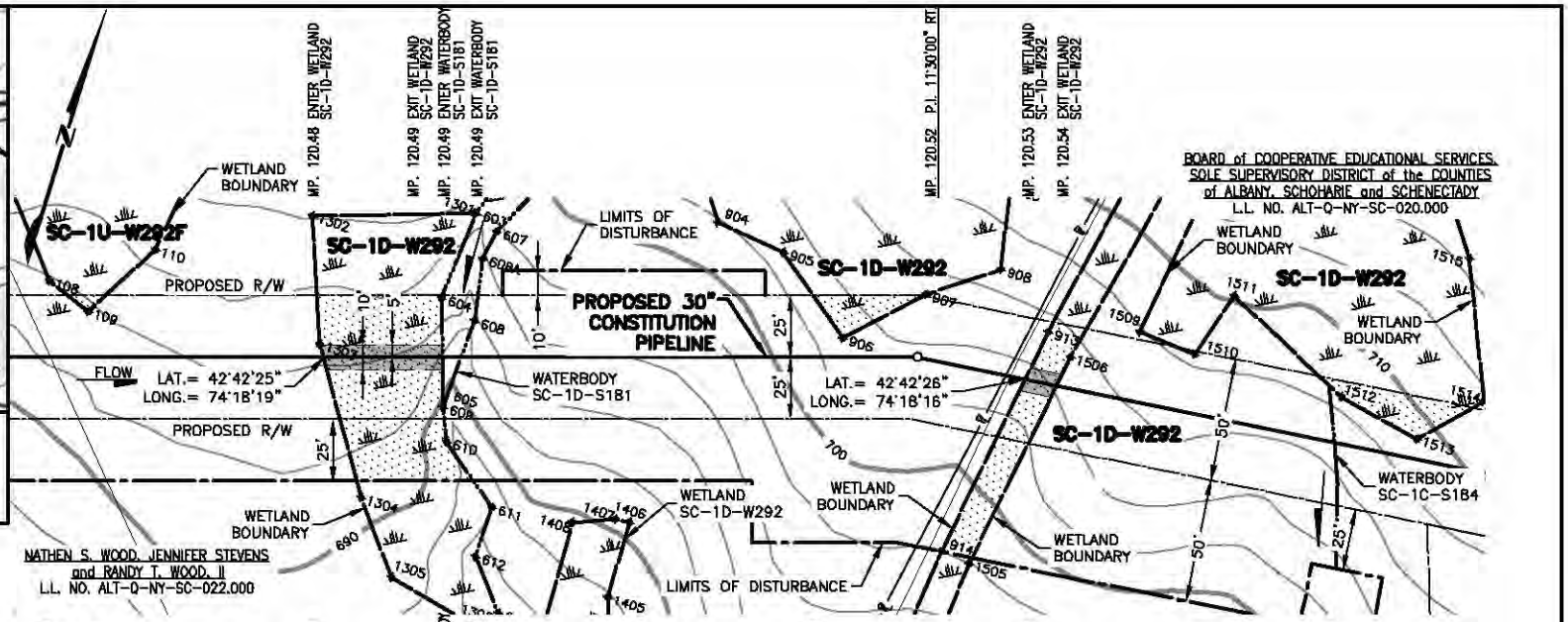


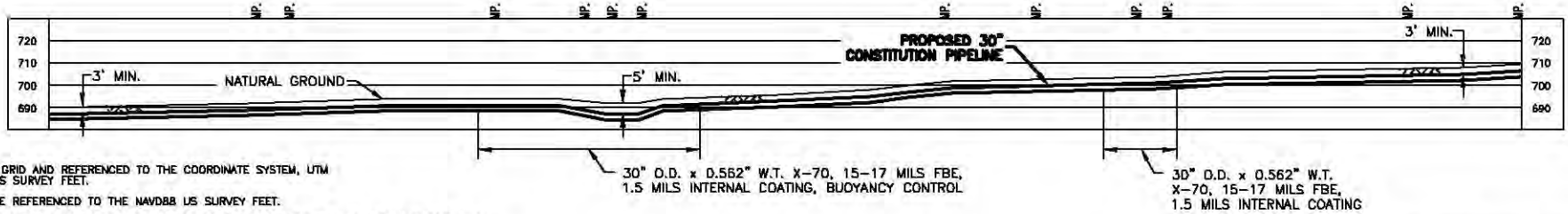
VICINITY MAP

USGS QUAD MAP: AMSTERDAM, NY

5000' 0 5000'

SCALE IN FEET





NOTES:

1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
3. WETLANDS AND WATERBODIES ON ND ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
4. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN THE ECP BMP TYPICAL DETAILS.
5. WETLAND DELINEATION COMPLETED BY AECOM.
6. THIS DRAWING DEPICTS IMPACTS REQUIRED FOR A JOINT APPLICATION WITH THE USACE AND THE NYDEC. THE PROPOSED R/W IS A 50 FOOT PERMANENT RIGHT-OF-WAY (ROW) THAT REPRESENTS A LEGAL EASEMENT AGREEMENT FROM THE LANDOWNER TO CONSTITUTION. CONSTRUCTION ACREAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY); OPERATION ACREAGE = 10 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED IN HERBACEOUS VEGETATED COVER THROUGH PSS WETLANDS, AND 30 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED THROUGH PFO WETLANDS.

Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres)					State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
			Construction			Operation				
			PFO	PSS	PEM	PFO	PSS			
SC-1U-W292F	PSS	0		0.01			0	N/A	N	N/A
SC-1D-W292	PSS	60		0.14			0.03	N/A	N	N/A

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER NO. 69074

PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-122	ALIGNMENT SHEET

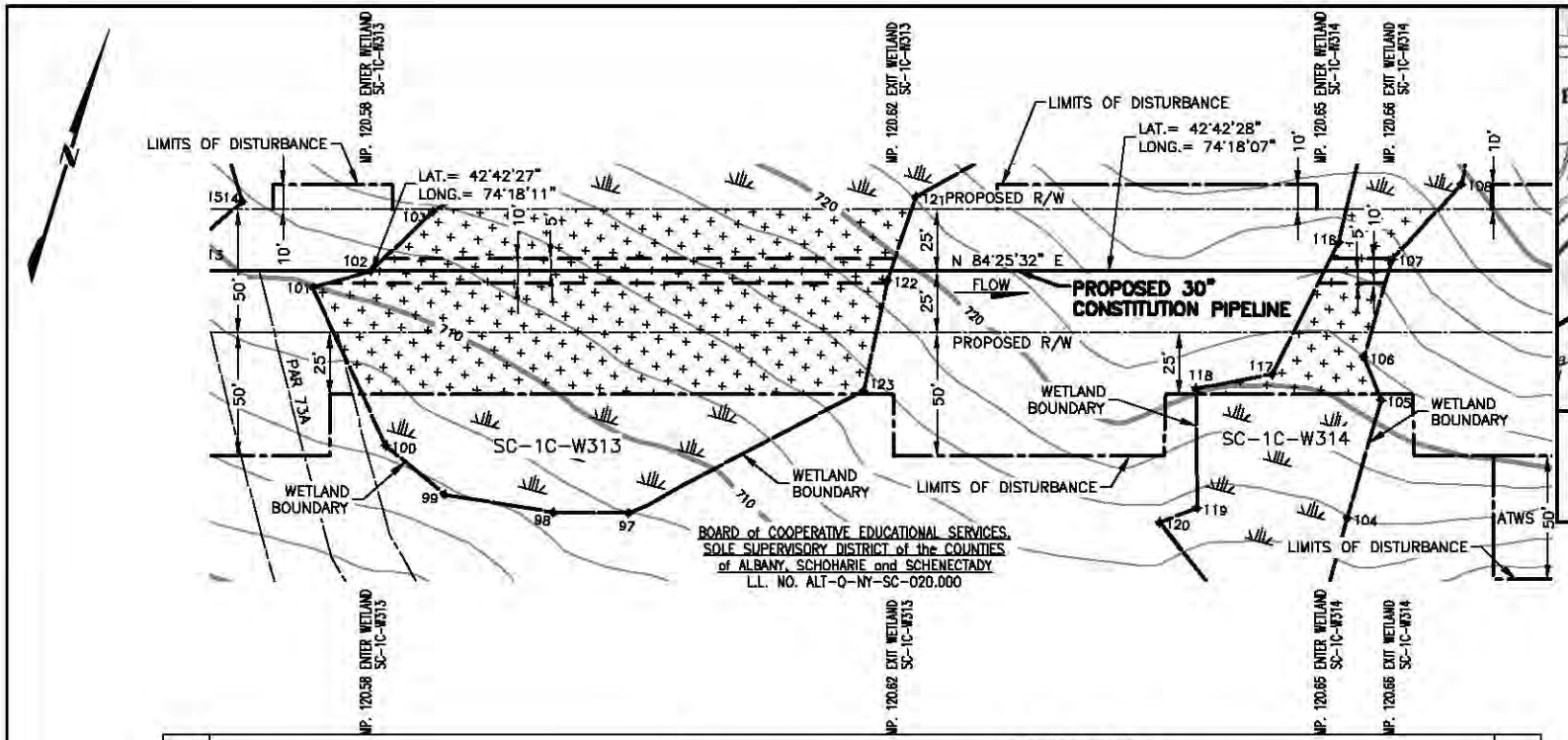
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	10-19-13	GIE	ISSUED FOR CLIENT REVIEW	111D415		
B	10-30-13	GIE	REVISED - ISSUED FOR CLIENT REVIEW	111D415		
D	10-31-13	GIE	ISSUE FOR USE	111D415		

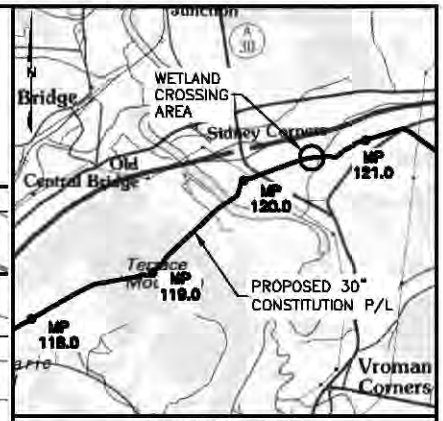
APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING SC-1D-W292, SC-1U-W292F @ M.P. 120.48
TOWN OF SCHOHARIE
SCHOHARIE COUNTY, NEW YORK

DRAWN BY: GIE	DATE: 10-19-2013	ISSUED FOR BID:	SCALE: 1" = 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/SC-1D-W292-1-D	SHEET 359 OF 362
WO: 111D415			





VICINITY MAP

USGS QUAD MAP: AMSTERDAM, NY

5000' 0 5000'

SCALE IN FEET

NOTES:

1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
3. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
4. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN THE ECP BMP TYPICAL DETAILS.
5. WETLAND DELINEATION COMPLETED BY AECOM.
6. THIS DRAWING DEPICTS IMPACTS REQUIRED FOR A JOINT APPLICATION WITH THE USACE AND THE NYDEC. THE PROPOSED R/W IS A 50 FOOT PERMANENT RIGHT-OF-WAY (ROW) THAT REPRESENTS A LEGAL EASEMENT AGREEMENT FROM THE LANDOWNER TO CONSTITUTION. CONSTRUCTION ACREAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY); OPERATION ACREAGE = 10 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED IN HERBACEOUS VEGETATED COVER THROUGH PSS WETLANDS, AND 30 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED THROUGH PFO WETLANDS.

Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres)					State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
			Construction			Operation				
			PFO	PSS	PEM	PFO	PSS			
SC-1C-W313	PEM	211			0.37			N/A	N	Conventional
SC-1C-W314	PEM	26			0.06			N/A	N	Conventional

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER NO. 69074

PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-122	ALIGNMENT SHEET

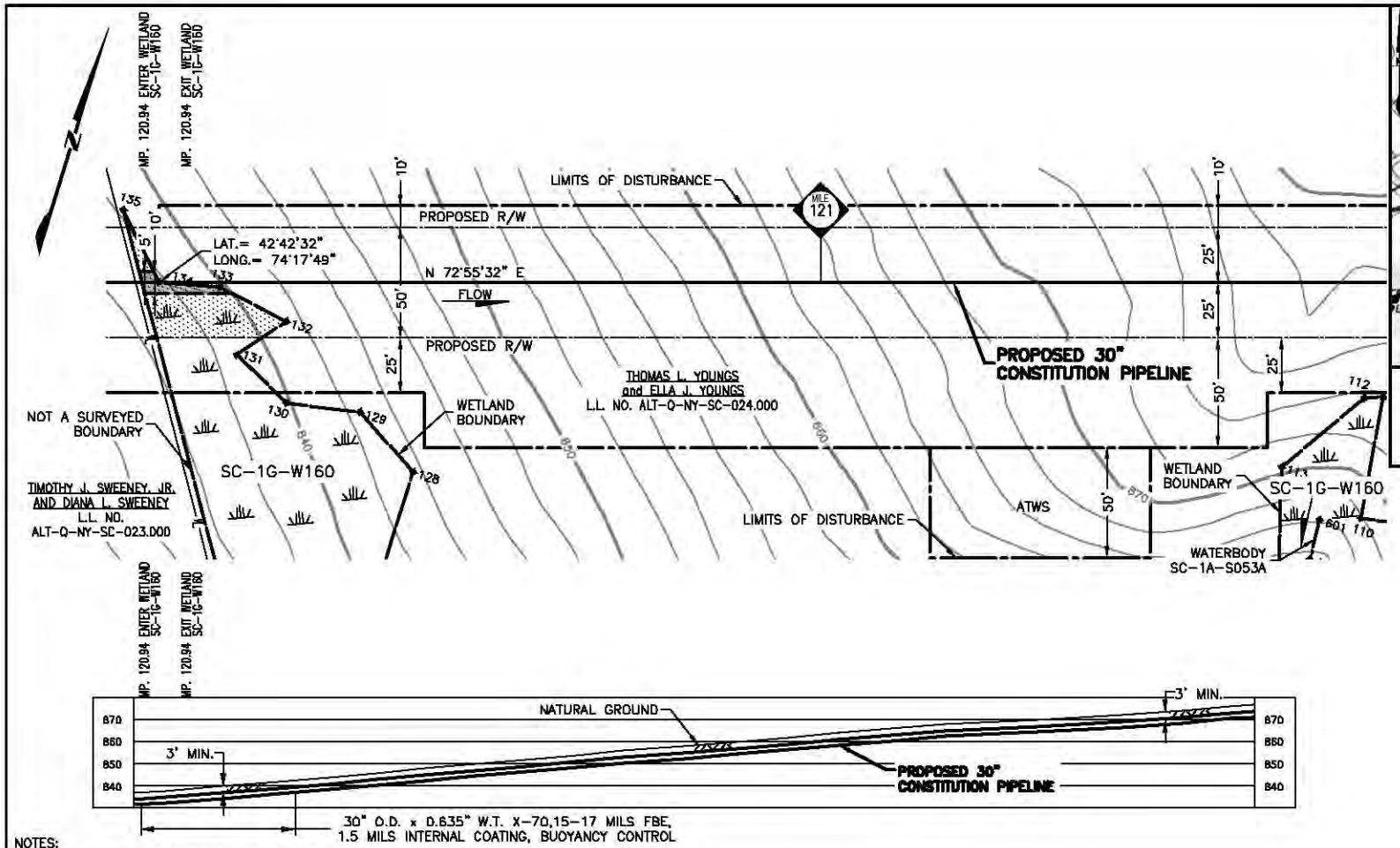
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	08-04-13	GIE	ISSUED FOR CLIENT REVIEW	1110415		
B	08-09-13	GIE	REVISED, ISSUED FOR CLIENT REVIEW	1110415		
D	08-17-13	GIE	ISSUE FOR USE	1110415		
1	10-18-13	GIE	REVISED - ISSUE FOR USE	1110415		
2	10-28-13	GIE	ISSUE FOR USE	1110415		

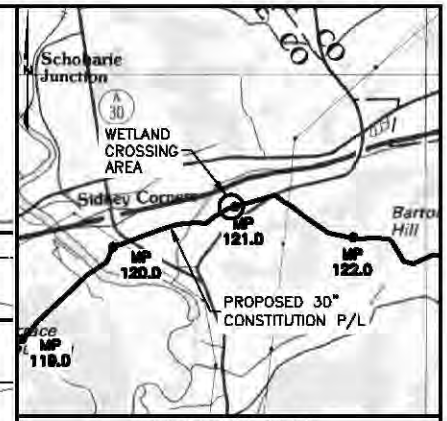
APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING SC-1C-W313 AND SC-1C-W314 @ M.P. 120.58
TOWN OF SCHOHARIE
SCHOHARIE COUNTY, NEW YORK

DRAWN BY: GIE	DATE: 06-19-2013	ISSUED FOR BID:	SCALE: 1" = 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/SC-1C-W313-1-2	SHEET 360 OF 362
WO: 1110415			





VICINITY MAP

USGS QUAD MAP: AMSTERDAM, NY

5000' 0 5000'

SCALE IN FEET

NOTES:

1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
3. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
4. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN THE ECP BMP TYPICAL DETAILS.
5. WETLAND DELINEATION COMPLETED BY AECOM.
6. THIS DRAWING DEPICTS IMPACTS REQUIRED FOR A JOINT APPLICATION WITH THE USACE AND THE NYDEC. THE PROPOSED R/W IS A 50 FOOT PERMANENT RIGHT-OF-WAY (ROW) THAT REPRESENTS A LEGAL EASEMENT AGREEMENT FROM THE LANDOWNER TO CONSTITUTION. CONSTRUCTION ACREAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY); OPERATION ACREAGE = 10 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED IN HERBACEOUS VEGETATED COVER THROUGH PSS WETLANDS, AND 30 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED THROUGH PFO WETLANDS.

Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres)					State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
			Construction			Operation				
			PFO	PSS	PEM	PFO	PSS			
SC-1G-W160	PSS	10		0.05			0.01	N/A	N	Conventional

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER NO. 69074

PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-122	ALIGNMENT SHEET

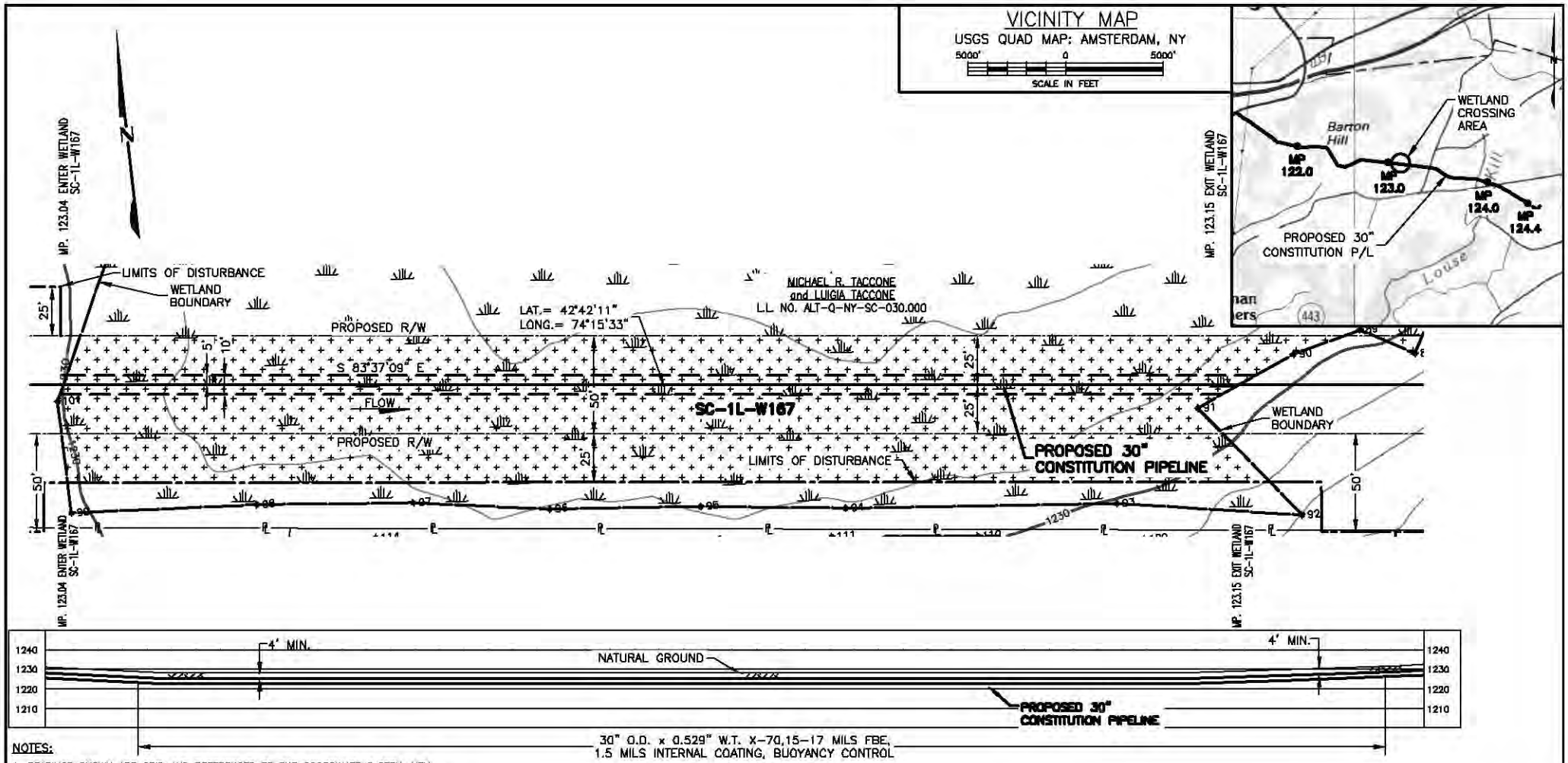
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
B	08-14-13	GIE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
0	08-20-13	GIE	ISSUE FOR USE	1110415		
1	10-16-13	GIE	REVISED - ISSUE FOR USE	1110415		
2	10-29-13	GIE	REVISED - ISSUE FOR USE	1110415		
3	10-30-13	GIE	ISSUE FOR USE	1110415		

APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING SC-1G-W160 @ M.P. 120.94
TOWN OF SCHOHARIE
SCHOHARIE COUNTY, NEW YORK

DRAWN BY: GIE	DATE: 06-20-2013	ISSUED FOR BID:	SCALE: 1" = 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/SC-1G-W160-1-3	SHEET 361 OF 362
WO: 1110415			



NOTES:

1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
3. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
4. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN THE ECP BMP TYPICAL DETAILS.
5. WETLAND DELINEATION COMPLETED BY AECOM.
6. THIS DRAWING DEPICTS IMPACTS REQUIRED FOR A JOINT APPLICATION WITH THE USACE AND THE NYDEC. THE PROPOSED R/W IS A 50 FOOT PERMANENT RIGHT-OF-WAY (ROW) THAT REPRESENTS A LEGAL EASEMENT AGREEMENT FROM THE LANDOWNER TO CONSTITUTION. CONSTRUCTION ACREAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY); OPERATION ACREAGE = 10 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED IN HERBACEOUS VEGETATED COVER THROUGH PSS WETLANDS, AND 30 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED THROUGH PFO WETLANDS.

Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres)					State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
			Construction			Operation				
			PFO	PSS	PEM	PFO	PSS			
SC-1L-W167	PEM	603			1.05			N/A	N	Conventional

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER
NO. 69074

PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-124	ALIGNMENT SHEET
26-26-70/0001-125	ALIGNMENT SHEET

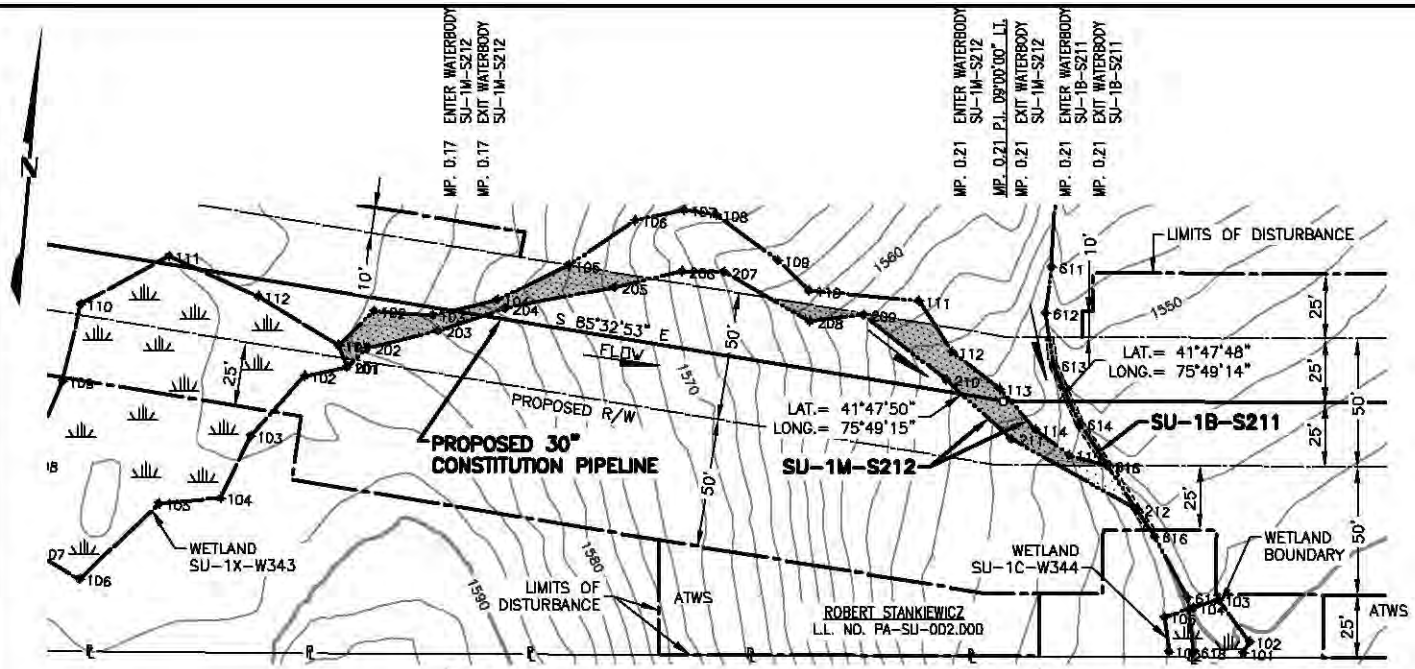
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
C	08-18-13	GIE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
0	08-21-13	GIE	ISSUE FOR USE	1110415		
1	10-17-13	GIE	REVISED - ISSUE FOR USE	1110415		
2	10-29-13	GIE	REVISED - ISSUE FOR USE	1110415		
3	10-30-13	GIE	ISSUE FOR USE	1110415		

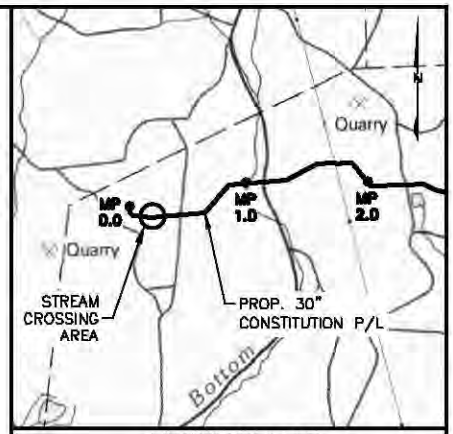
APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING SC-1L-W167 @ M.P. 123.04
TOWN OF SCHOHARIE
SCHOHARIE COUNTY, NEW YORK

DRAWN BY: GIE	DATE: 06-20-2013	ISSUED FOR BID:	SCALE: 1" = 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/SC-1L-W167-1-3	SHEET 362 OF 362
WO: 1110415			



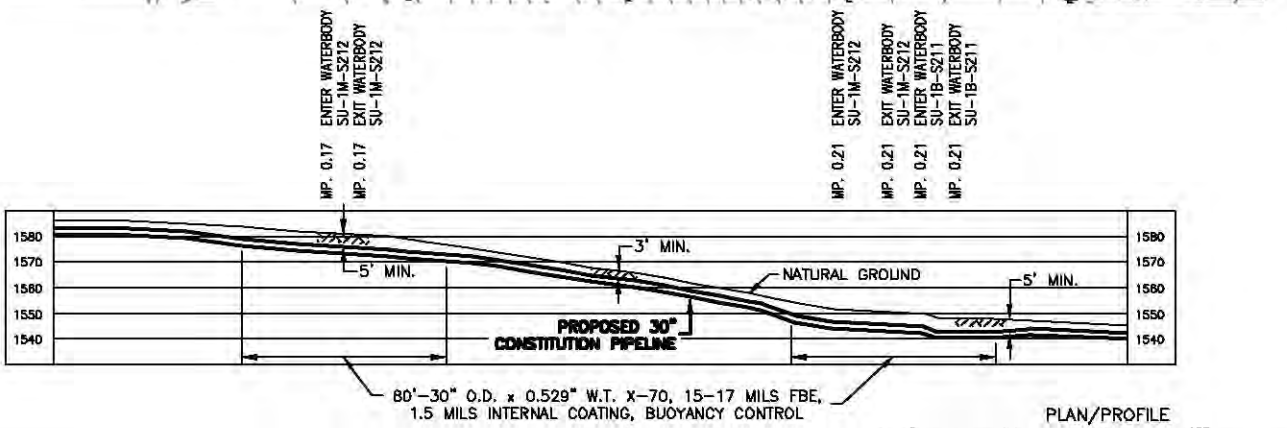


VICINITY MAP

USGS QUAD MAP: HONESDALE, PA.

5000' 0 5000'

SCALE IN FEET



PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

NOTES:

1. AFTER INSTALLATION OF THE PIPELINE, TRENCHES OUTSIDE THE CHANNEL SHALL BE RESTORED TO PRE-CONSTRUCTION ELEVATION AND STABILIZED WITH NATIVE VEGETATION. TRENCHES INSIDE THE CHANNEL SHALL BE BACKFILLED TO PRE-CONSTRUCTION ELEVATIONS. CLEAN ROCK OR NATIVE COBBLES WILL BE USED FOR THE UPPER ONE(1) FOOT OF TRENCH BACKFILL IN WATERBODIES THAT CONTAIN COLDWATER FISHERIES.
2. A MINIMUM CLEARANCE OF 24 INCHES BETWEEN THE PROPOSED PIPELINE AND ANY EXISTING FACILITIES WILL BE MAINTAINED.
3. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE UTM 18N NAD83, US SURVEY FEET.
4. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
5. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
6. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN ECP BMP TYPICAL DETAILS.

Waterbody ID	Waterbody Name	Flow Regime	Crossing Length (feet)	Stream Disturbance (acres)		State Water Quality Standard	State Fishery Classification	Crossing Method
				Temporary ROW	50' Permanent ROW			
SU-1M-S212	UNT to Hop Bottom Creek	Ephemeral	12	0.01	0.05	CWF	N/A	Dry
SU-1B-S211	UNT to Hop Bottom Creek	Intermittent	2	0.01	0.01	CWF	N/A	Dry

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER
NO. 69074

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-01	ALIGNMENT SHEET

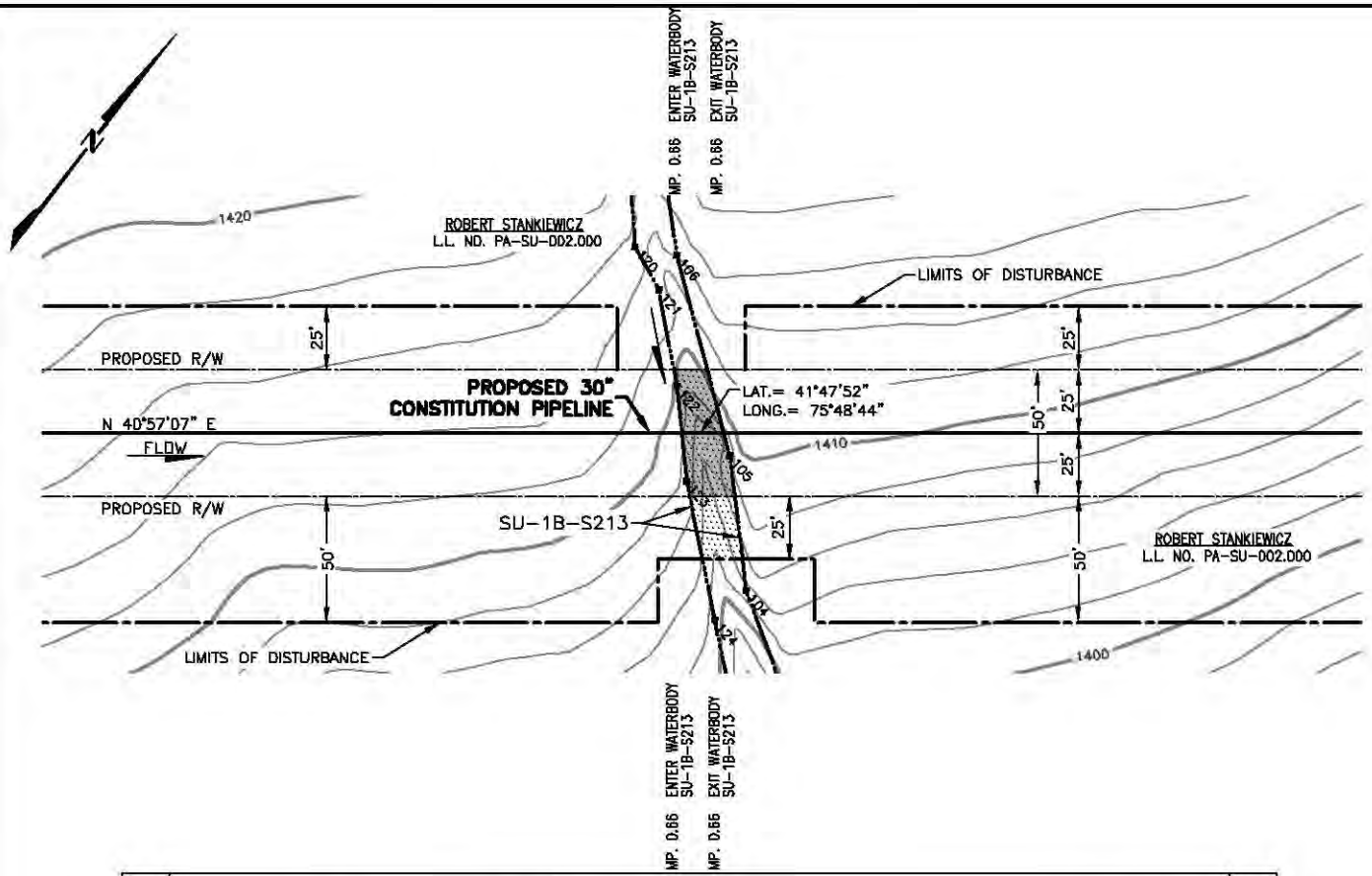
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	09-27-13	GIE	ISSUED FOR CLIENT REVIEW	1110415		
B	10-21-13	GIE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
C	10-29-13	GIE	REVISED - ISSUE FOR USE	1110415		
D	10-31-13	GIE	ISSUE FOR USE	1110415		

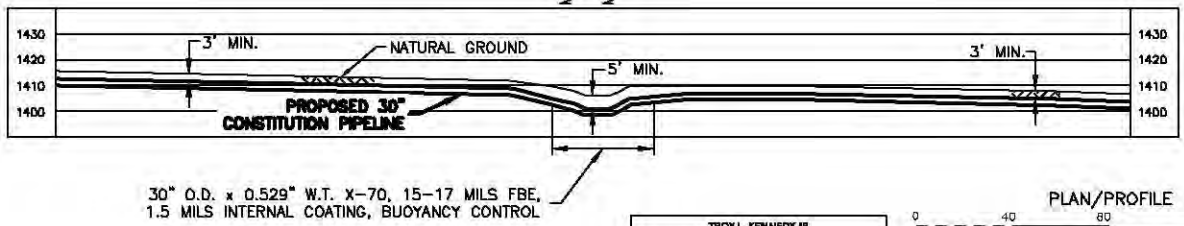
GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

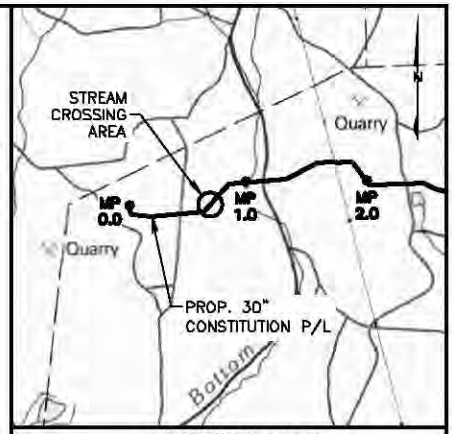
APPLICATION NO.: NAN-2012-00449-UBR

CONSTITUTION PIPELINE COMPANY, LLC.
WATER OBSTRUCTION & ENCROACHMENT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
STREAM CROSSINGS SU-1M-S212 AND SU-1B-S211 @ M.P. 0.17
BROOKLYN TOWNSHIP
SUSQUEHANNA COUNTY, PENNSYLVANIA

DRAWN BY: GIE	DATE: 05-03-2013	ISSUED FOR BID:	SCALE: 1"= 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-09-70/SU-1M-S212-1-0	SHEET 1 OF 214
WO: 1110415			







VICINITY MAP

USGS QUAD MAP: HONESDALE, PA.

5000' 0 5000'

SCALE IN FEET

NOTES:

1. AFTER INSTALLATION OF THE PIPELINE, TRENCHES OUTSIDE THE CHANNEL SHALL BE RESTORED TO PRE-CONSTRUCTION ELEVATION AND STABILIZED WITH NATIVE VEGETATION. TRENCHES INSIDE THE CHANNEL SHALL BE BACKFILLED TO PRE-CONSTRUCTION ELEVATIONS. CLEAN ROCK OR NATIVE COBBLES WILL BE USED FOR THE UPPER ONE(1) FOOT OF TRENCH BACKFILL IN WATERBODIES THAT CONTAIN COLDWATER FISHERIES.
2. A MINIMUM CLEARANCE OF 24 INCHES BETWEEN THE PROPOSED PIPELINE AND ANY EXISTING FACILITIES WILL BE MAINTAINED.
3. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE UTM 18N NAD83, US SURVEY FEET.
4. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
5. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
6. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN ECP BMP TYPICAL DETAILS.

Waterbody ID	Waterbody Name	Flow Regime	Crossing Length (feet)	Stream Disturbance (acres)		State Water Quality Standard	State Fishery Classification	Crossing Method
				Temporary ROW	50' Permanent ROW			
SU-1B-S213	UNT to Hop Bottom Creek	Perennial	17	0.01	0.02	N/A	CWF	Dry

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER
NO. 69074

PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-01	ALIGNMENT SHEET

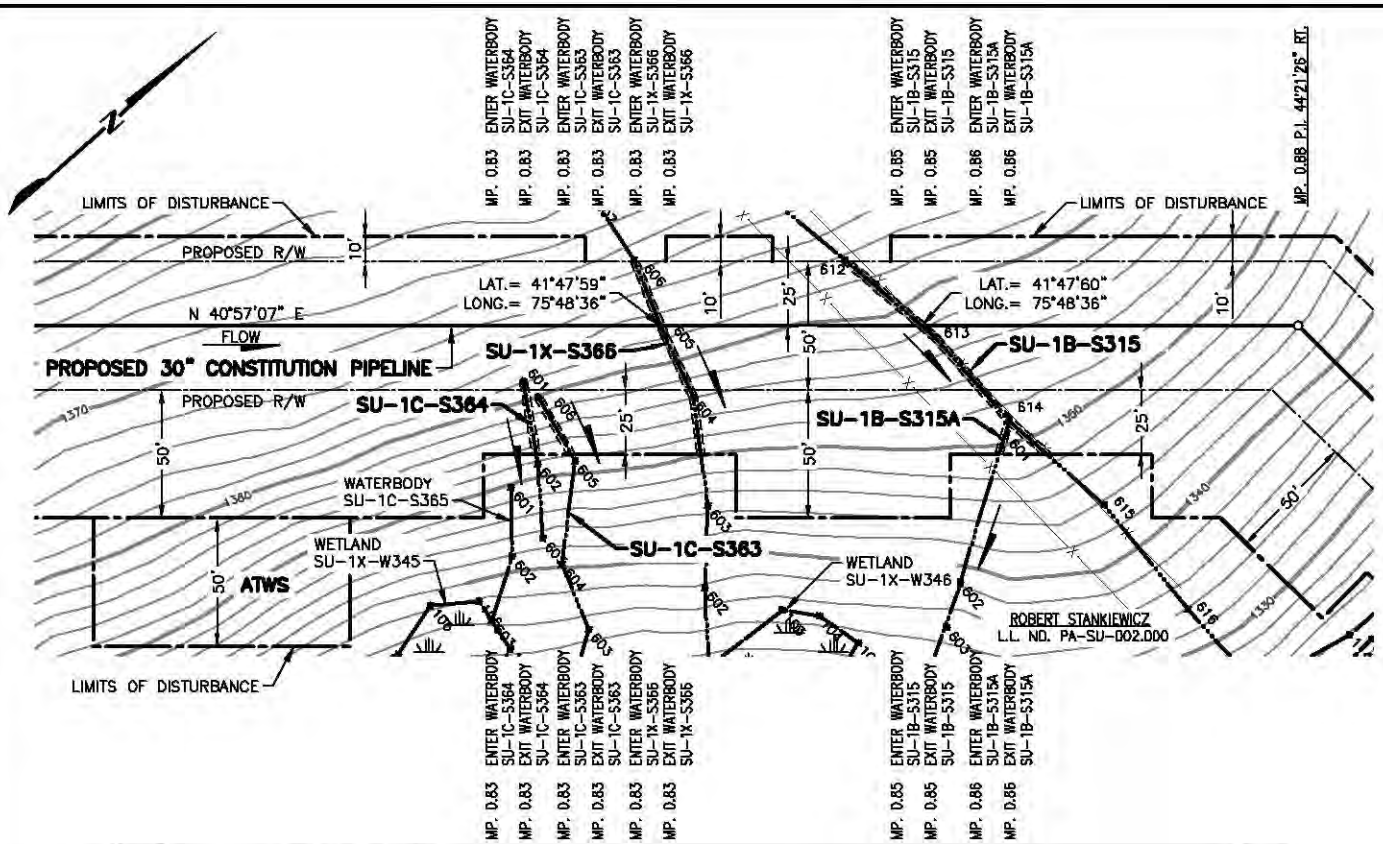
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	10-09-13	GIE	ISSUED FOR CLIENT REVIEW	1110415		
B	10-19-13	GIE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
D	10-31-13	GIE	ISSUE FOR USE	1110415		

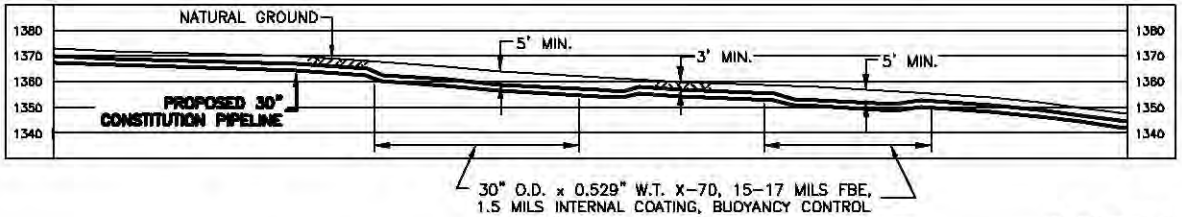
GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

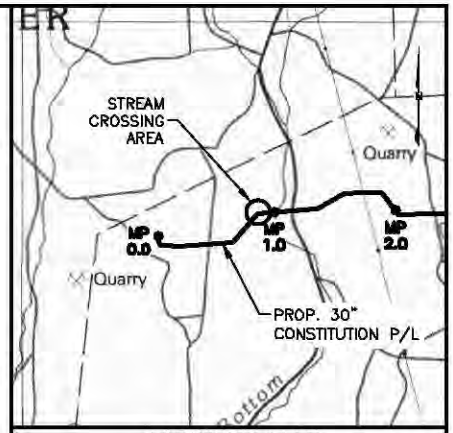
APPLICATION NO.: NAN-2012-00449-UBR

CONSTITUTION PIPELINE COMPANY, LLC.
WATER OBSTRUCTION & ENCROACHMENT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
STREAM CROSSING SU-1B-S213 @ M.P. 0.66
BROOKLYN TOWNSHIP
SUSQUEHANNA COUNTY, PENNSYLVANIA

DRAWN BY: GIE	DATE: 03-19-2013	ISSUED FOR BID:	SCALE: 1"= 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-09-70/SU-1B-S213-1-0	SHEET 2 OF 214
WO: 1110415			







VICINITY MAP

USGS QUAD MAP: HONESDALE, PA.

5000' 0 5000'

SCALE IN FEET

NOTES:

1. AFTER INSTALLATION OF THE PIPELINE, TRENCHES OUTSIDE THE CHANNEL SHALL BE RESTORED TO PRE-CONSTRUCTION ELEVATION AND STABILIZED WITH NATIVE VEGETATION. TRENCHES INSIDE THE CHANNEL SHALL BE BACKFILLED TO PRE-CONSTRUCTION ELEVATIONS. CLEAN ROCK OR NATIVE COBBLES WILL BE USED FOR THE UPPER ONE(1) FOOT OF TRENCH BACKFILL IN WATERBODIES THAT CONTAIN COLDWATER FISHERIES.
2. A MINIMUM CLEARANCE OF 24 INCHES BETWEEN THE PROPOSED PIPELINE AND ANY EXISTING FACILITIES WILL BE MAINTAINED.
3. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE UTM 18N NAD83, US SURVEY FEET.
4. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
5. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
6. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN ECP BMP TYPICAL DETAILS.

Waterbody ID	Waterbody Name	Flow Regime	Crossing Length (feet)	Stream Disturbance (acres) Temporary ROW	Stream Disturbance (acres) 50' Permanent ROW	State Water Quality Standard	State Fishery Classification	Crossing Method
SU-1C-S364	UNT to Hop Bottom Creek	Ephemeral	0	0.01	0.01	CWF	N/A	N/A
SU-1C-S363	UNT to Hop Bottom Creek	Ephemeral	0	0.01	0.00	CWF	N/A	N/A
SU-1X-S366	UNT to Hop Bottom Creek	Ephemeral	2	0.01	0.01	CWF	N/A	Dry
SU-1B-S315	UNT to Hop Bottom Creek	Ephemeral	2	0.01	0.01	CWF	N/A	Dry
SU-1B-S315A	UNT to Hop Bottom Creek	Ephemeral	0	0.01	0.00	CWF	N/A	N/A

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER
NO. 69074

PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-01	ALIGNMENT SHEET

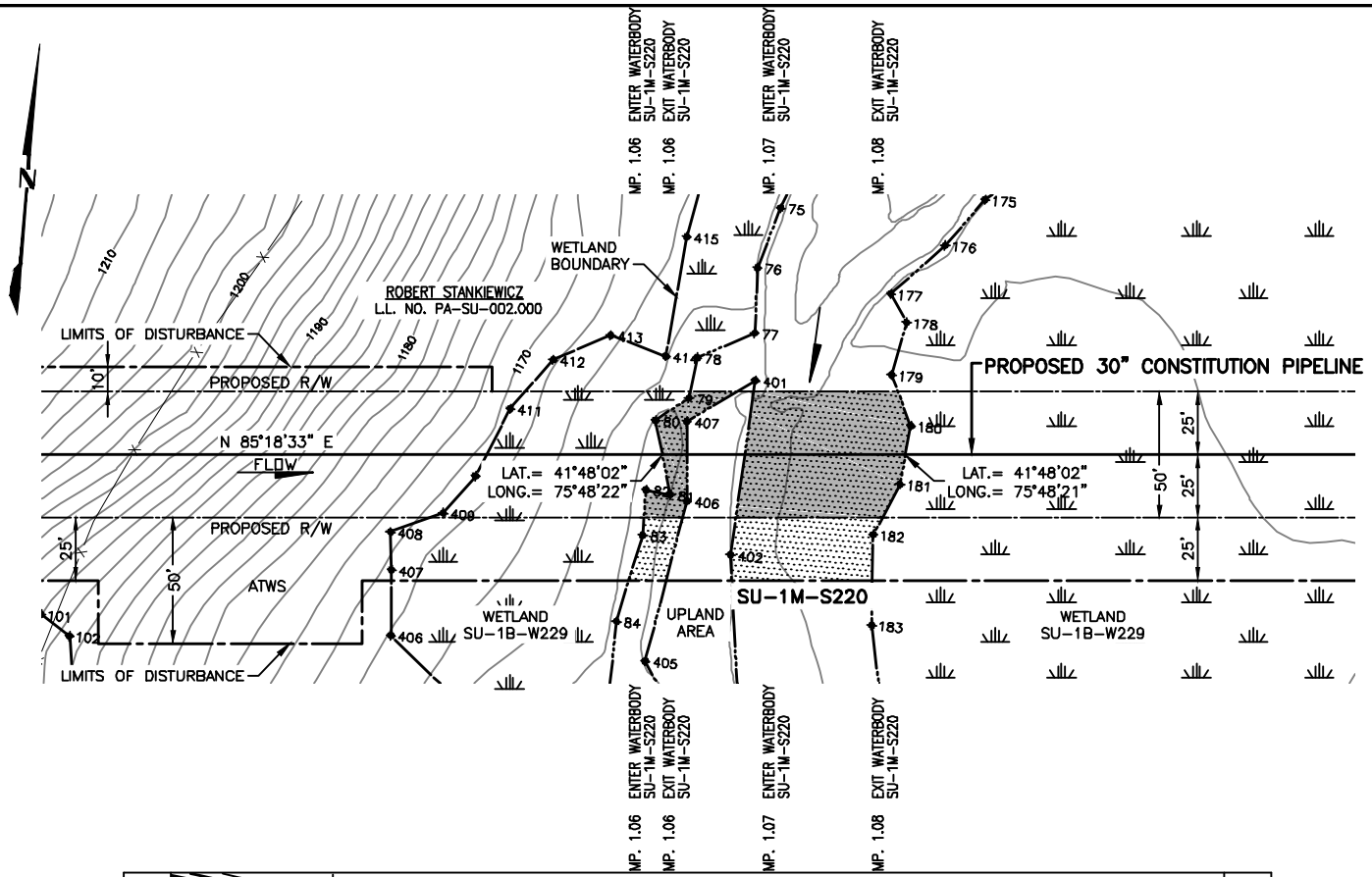
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	09-30-13	GIE	ISSUED FOR CLIENT REVIEW	1110415		
B	10-25-13	GIE	ISSUED FOR CLIENT REVIEW	1110415		
D	10-31-13	GIE	ISSUE FOR USE	1110415		

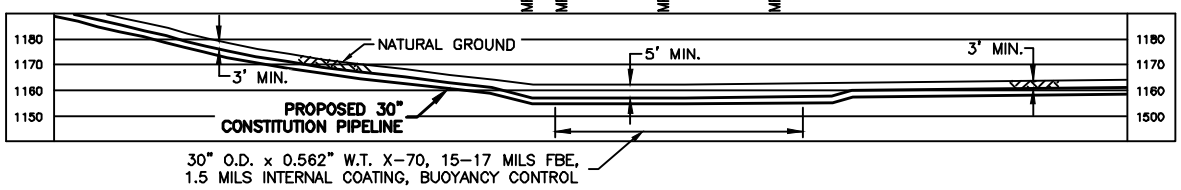
GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

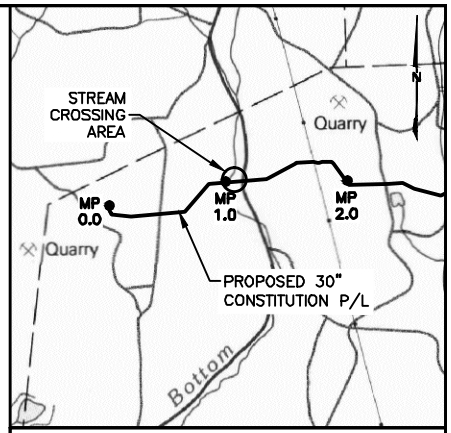
APPLICATION NO.: NAN-2012-00449-UBR

CONSTITUTION PIPELINE COMPANY, LLC.
WATER OBSTRUCTION & ENCROACHMENT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
STREAM CROSSINGS SU-1C-S364, SU-1C-S363,
SU-1X-S366, SU-1B-S315, AND SU-1B-S315A @ M.P. 0.83
BROOKLYN TOWNSHIP SUSQUEHANNA COUNTY, PENNSYLVANIA

DRAWN BY: GIE	DATE: 09-30-2013	ISSUED FOR BID:	SCALE: 1"= 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-09-70/SU-1C-S364-1-0	SHEET 3 OF 214
WO: 1110415			







VICINITY MAP

USGS QUAD MAP: HONESDALE, PA.

5000' 0 5000'

SCALE IN FEET

NOTES:

1. AFTER INSTALLATION OF THE PIPELINE, TRENCHES OUTSIDE THE CHANNEL SHALL BE RESTORED TO PRE-CONSTRUCTION ELEVATION AND STABILIZED WITH NATIVE VEGETATION. TRENCHES INSIDE THE CHANNEL SHALL BE BACKFILLED TO PRE-CONSTRUCTION ELEVATIONS. CLEAN ROCK OR NATIVE COBBLES WILL BE USED FOR THE UPPER ONE(1) FOOT OF TRENCH BACKFILL IN WATERBODIES THAT CONTAIN COLDWATER FISHERIES.
2. A MINIMUM CLEARANCE OF 24 INCHES BETWEEN THE PROPOSED PIPELINE AND ANY EXISTING FACILITIES WILL BE MAINTAINED.
3. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE UTM 18N NAD83, US SURVEY FEET.
4. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
5. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
6. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN ECP BMP TYPICAL DETAILS.

Waterbody ID	Waterbody Name	Flow Regime	Crossing Length (feet)	Stream Disturbance (acres)		State Water Quality Standard	State Fishery Classification	Crossing Method
				Temporary ROW	50' Permanent ROW			
SU-1M-S220	Hop Bottom Creek	Perennial	64	0.04	0.12	CWF	N/A	Conventional

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER
NO. 69074

PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-02	ALIGNMENT SHEET

NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	09-30-13	GIE	ISSUED FOR CLIENT REVIEW	1110415		
B	10-27-13	GIE	REVISED - ISSUE FOR USE	1110415		
0	10-31-13	GIE	ISSUE FOR USE	1110415		

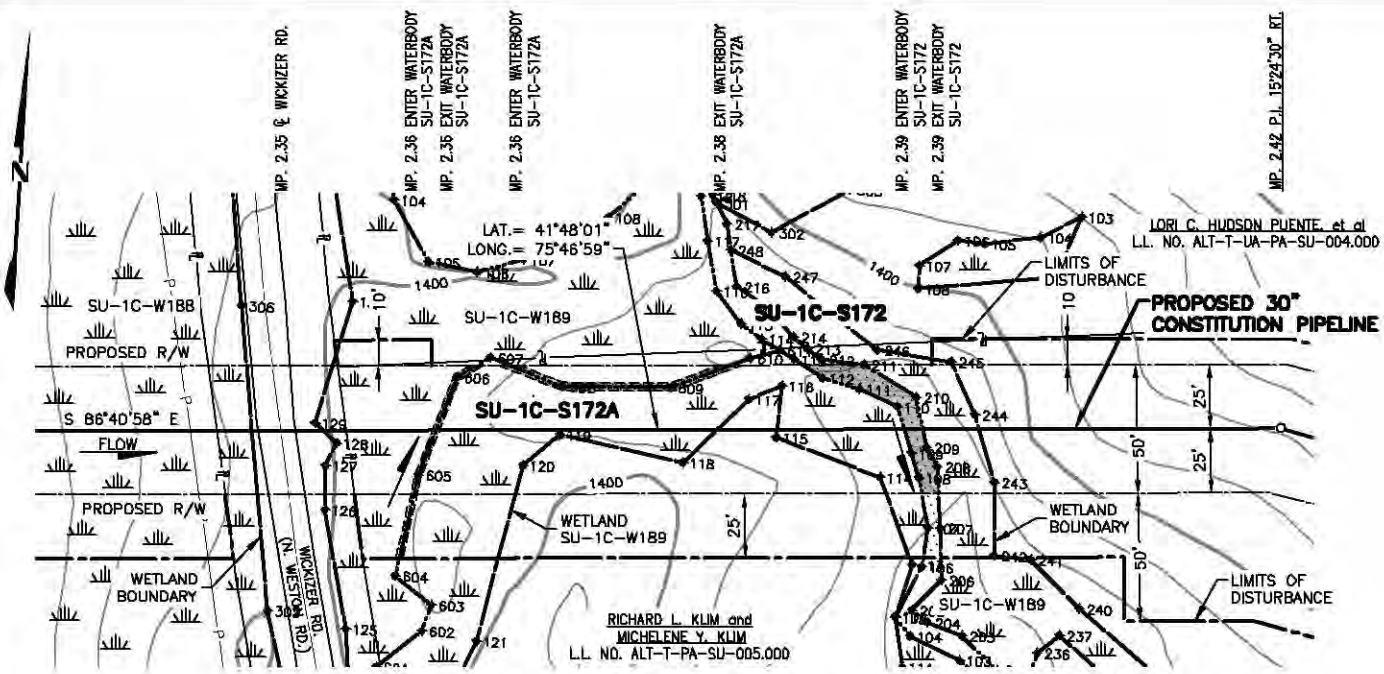
APPLICATION NO.: NAN-2012-00449-UBR

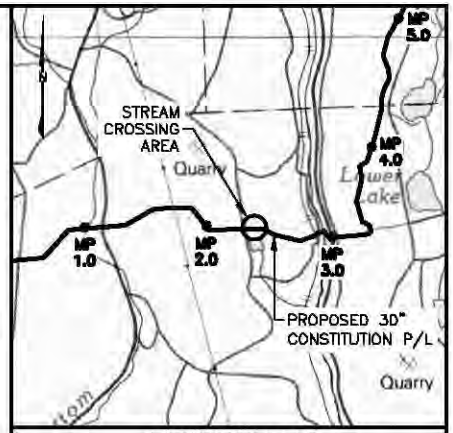
GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

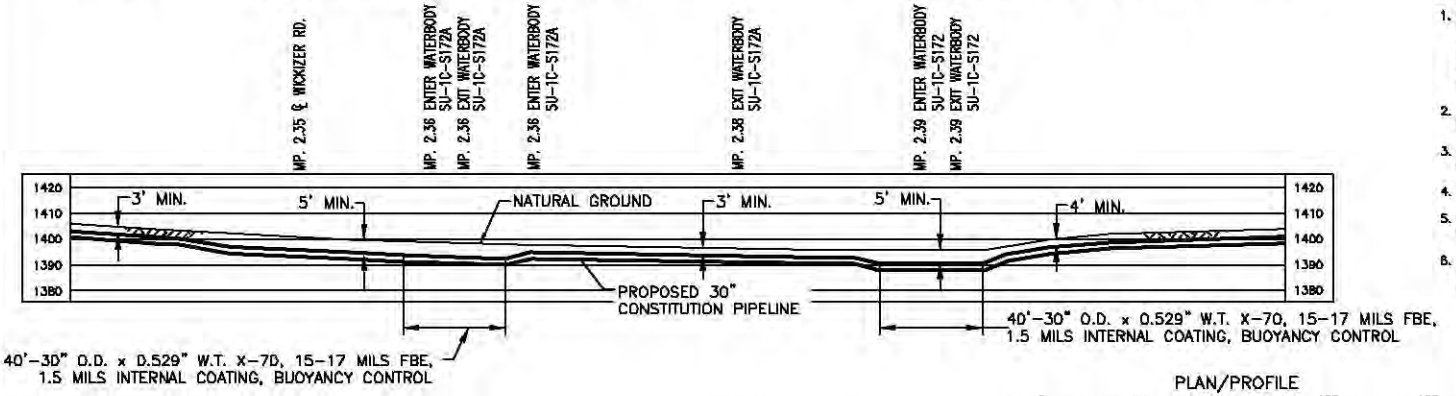
CONSTITUTION PIPELINE COMPANY, LLC.
WATER OBSTRUCTION & ENCROACHMENT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
STREAM CROSSING SU-1M-S220 @ M.P. 1.06
BROOKLYN TOWNSHIP
SUSQUEHANNA COUNTY, PENNSYLVANIA

CONSTITUTION PIPELINE

DRAWN BY: GIE	DATE: 09-30-13	ISSUED FOR BID:	SCALE: 1"= 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-09-70/SU-1M-S220-1-0	SHEET 4 OF 214
WO: 1110415			







PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

NOTES:

1. AFTER INSTALLATION OF THE PIPELINE, TRENCHES OUTSIDE THE CHANNEL SHALL BE RESTORED TO PRE-CONSTRUCTION ELEVATION AND STABILIZED WITH NATIVE VEGETATION. TRENCHES INSIDE THE CHANNEL SHALL BE BACKFILLED TO PRE-CONSTRUCTION ELEVATIONS. CLEAN ROCK OR NATIVE COBBLES WILL BE USED FOR THE UPPER ONE(1) FOOT OF TRENCH BACKFILL IN WATERBODIES THAT CONTAIN COLDWATER FISHERIES.
2. A MINIMUM CLEARANCE OF 24 INCHES BETWEEN THE PROPOSED PIPELINE AND ANY EXISTING FACILITIES WILL BE MAINTAINED.
3. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE UTM 18N NAD83, US SURVEY FEET.
4. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
5. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
6. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN ECP BMP TYPICAL DETAILS.

Waterbody ID	Waterbody Name	Flow Regime	Crossing Length (feet)	Stream Disturbance (acres)		State Water Quality Standard	State Fishery Classification	Crossing Method
				Temporary ROW	50' Permanent ROW			
SU-1C-S172A	UNT to Martins Creek	Intermittent	3	0.012	0.010	CWF	N\A	Dry
SU-1C-S172	UNT to Martins Creek	Perennial	7	0.016	0.013	CWF	N\A	Dry

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER
NO. 69074

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-03	ALIGNMENT SHEET

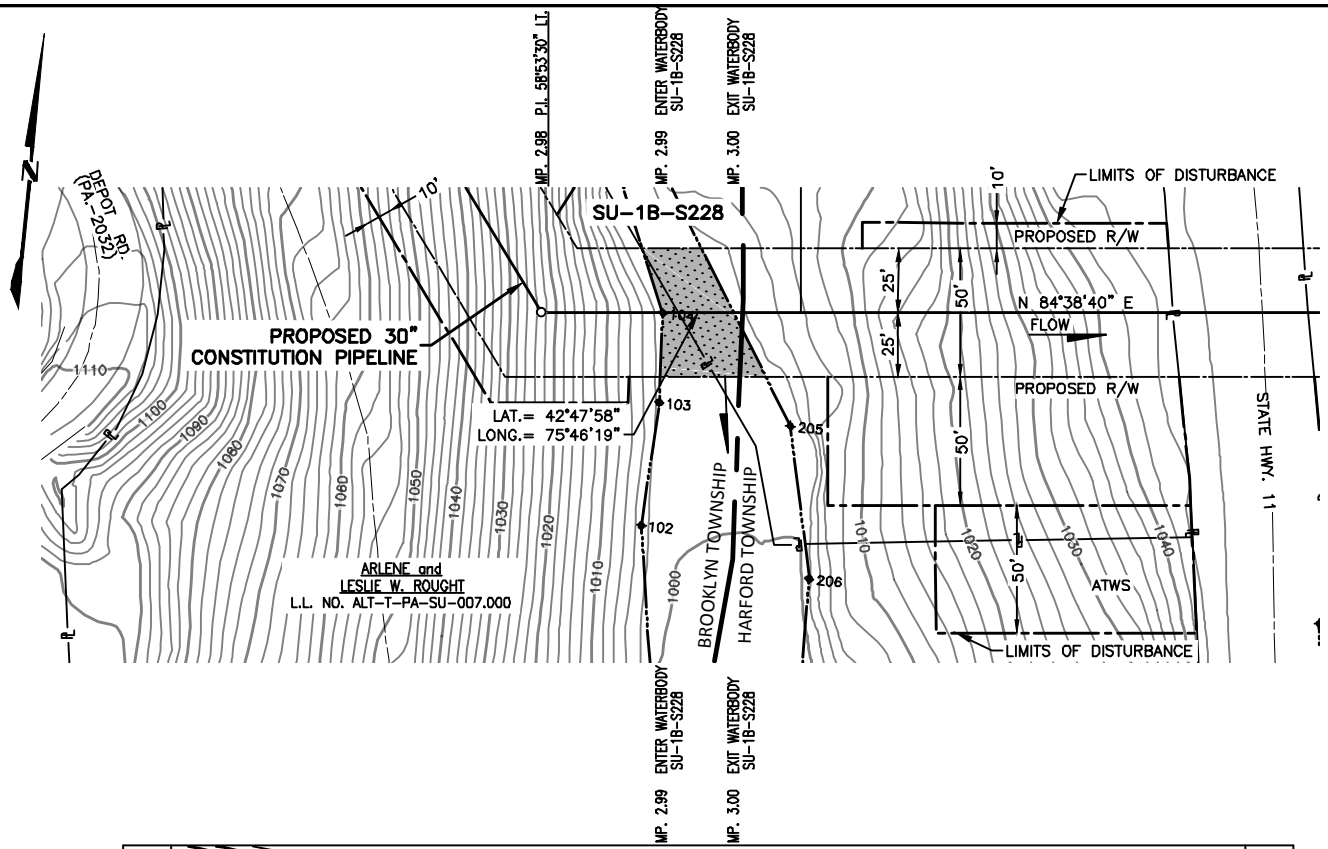
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
0	08-06-13	GIE	ISSUE FOR USE	1110415		
1	08-08-13	GIE	REVISED - ISSUE FOR USE	1110415		
2	09-05-13	GIE	REVISED - ISSUE FOR USE	1110415		
3	08-24-13	GIE	REVISED - ISSUED FOR USE	1110415		
4	10-04-13	GIE	ISSUE FOR USE	1110415		

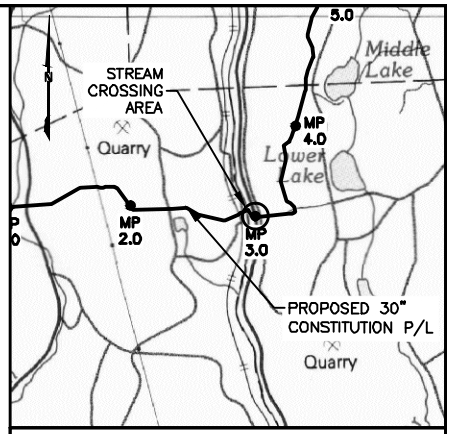
GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

APPLICATION NO.: NAN-2012-00449-UBR

CONSTITUTION PIPELINE COMPANY, LLC.
WATER OBSTRUCTION & ENCROACHMENT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
STREAM CROSSINGS SU-1C-S172A & SU-1C-S172 @ M.P. 2.36
BROOKLYN TOWNSHIP
SUSQUEHANNA COUNTY, PENNSYLVANIA

DRAWN BY: GIE	DATE: 05-08-2013	ISSUED FOR BID:	SCALE: 1"= 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-09-70/SU-1C-S172A-1-4	SHEET 5 OF 214
WO: 1110415			



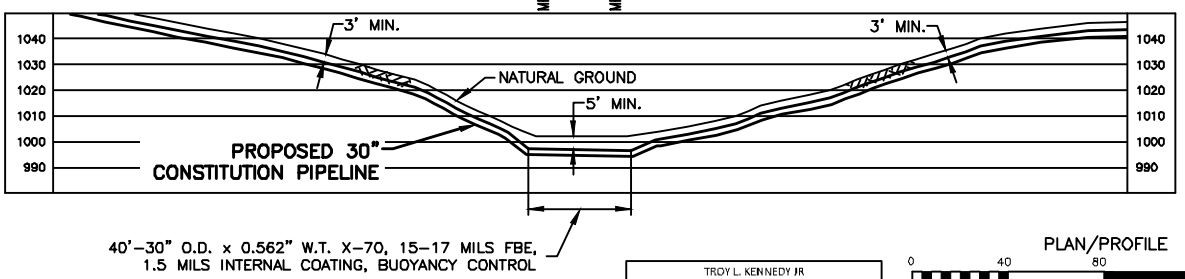


VICINITY MAP

USGS QUAD MAP: HONESDALE, PA.

5000' 0 5000'

SCALE IN FEET



NOTES:

1. AFTER INSTALLATION OF THE PIPELINE, TRENCHES OUTSIDE THE CHANNEL SHALL BE RESTORED TO PRE-CONSTRUCTION ELEVATION AND STABILIZED WITH NATIVE VEGETATION. TRENCHES INSIDE THE CHANNEL SHALL BE BACKFILLED TO PRE-CONSTRUCTION ELEVATIONS. CLEAN ROCK OR NATIVE COBBLES WILL BE USED FOR THE UPPER ONE(1) FOOT OF TRENCH BACKFILL IN WATERBODIES THAT CONTAIN COLDWATER FISHERIES.
2. A MINIMUM CLEARANCE OF 24 INCHES BETWEEN THE PROPOSED PIPELINE AND ANY EXISTING FACILITIES WILL BE MAINTAINED.
3. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE UTM 18N NAD83, US SURVEY FEET.
4. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
5. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
6. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN ECP BMP TYPICAL DETAILS.

PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

Waterbody ID	Waterbody Name	Flow Regime	Crossing Length (feet)	Stream Disturbance (acres)		State Water Quality Standard	State Fishery Classification	Crossing Method
				Temporary ROW	50' Permanent ROW			
SU-1B-S228	Martins Creek	Perennial	28	N\A	0.035	CWF	Approved Trout Waters	Dry

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER
NO. 69074

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-03	ALIGNMENT SHEET

NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	07-02-13	GIE	ISSUED FOR CLIENT REVIEW	1110415		
B	07-16-13	GIE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
0	08-06-13	GIE	ISSUE FOR USE	1110415		
1	09-05-13	GIE	REVISED - ISSUED FOR USE	1110415		
2	09-24-13	GIE	ISSUE FOR USE	1110415		

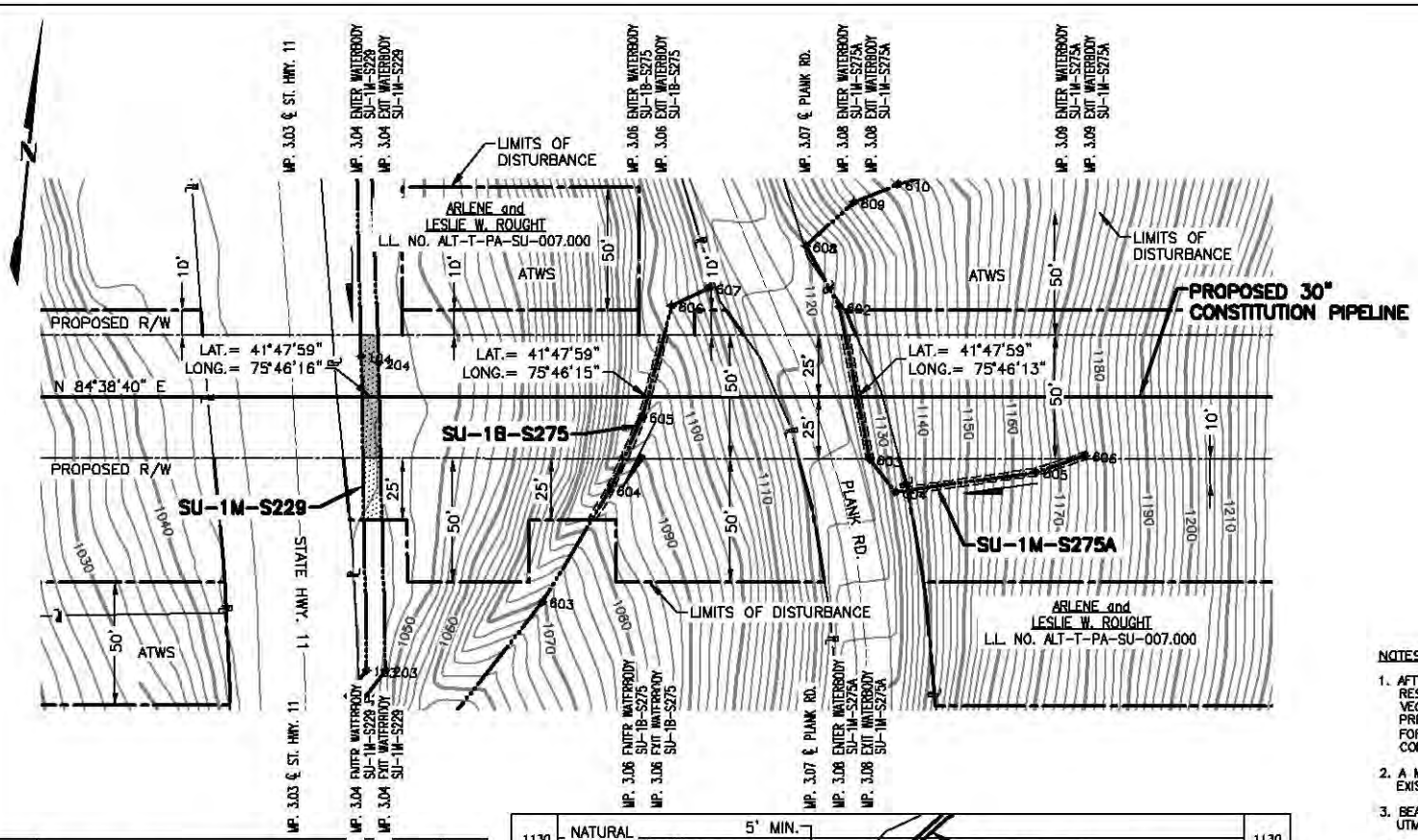
APPLICATION NO.: NAN-2012-00449-UBR

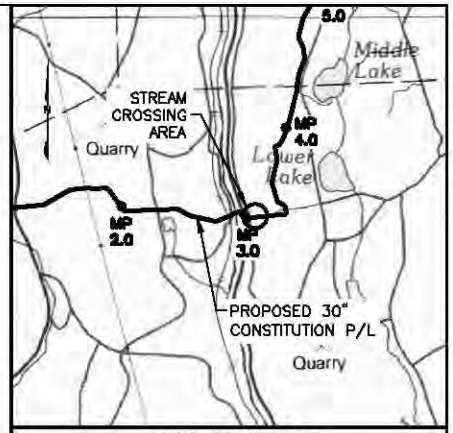
GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
WATER OBSTRUCTION & ENCROACHMENT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
STREAM CROSSING SU-1B-S228 @ M.P. 2.99
BROOKLYN & HARFORD TOWNSHIP
SUSQUEHANNA COUNTY, PENNSYLVANIA

CONSTITUTION PIPELINE

DRAWN BY: GIE	DATE: 05-07-2013	ISSUED FOR BID:	SCALE: 1"= 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-09-70/SU-1B-S228-1-2	SHEET 6 OF 214
WO: 1110415			



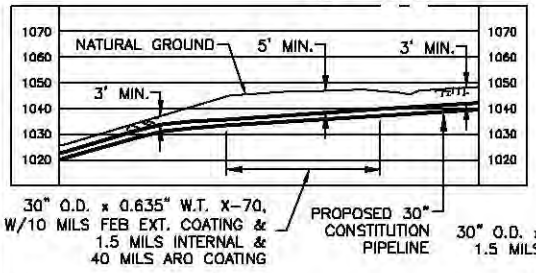


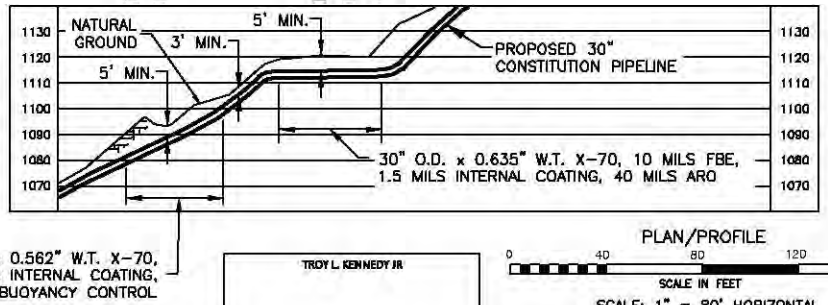
VICINITY MAP

USGS QUAD MAP: HONESDALE, PA.

5000' 0 5000'

SCALE IN FEET





PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

NOTES:

1. AFTER INSTALLATION OF THE PIPELINE, TRENCHES OUTSIDE THE CHANNEL SHALL BE RESTORED TO PRE-CONSTRUCTION ELEVATION AND STABILIZED WITH NATIVE VEGETATION. TRENCHES INSIDE THE CHANNEL SHALL BE BACKFILLED TO PRE-CONSTRUCTION ELEVATIONS. CLEAN ROCK OR NATIVE COBBLES WILL BE USED FOR THE UPPER ONE(1) FOOT OF TRENCH BACKFILL IN WATERBODIES THAT CONTAIN COLDWATER FISHERIES.
2. A MINIMUM CLEARANCE OF 24 INCHES BETWEEN THE PROPOSED PIPELINE AND ANY EXISTING FACILITIES WILL BE MAINTAINED.
3. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE UTM 18N NAD83, US SURVEY FEET.
4. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
5. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
6. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN ECP BMP TYPICAL DETAILS.

Waterbody ID	Waterbody Name	Flow Regime	Crossing Length (feet)	Stream Disturbance (acres)		State Water Quality Standard	State Fishery Classification	Crossing Method
				Temporary ROW	50' Permanent ROW			
SU-1M-S229	UNT to Martins Creek	Ephemeral	7	0.004	0.008	CWF	N\A	Conventional Bore
SU-1B-S275	UNT to Martins Creek	Intermittent	3	0.002	0.004	CWF	N\A	Conventional
SU-1M-S275A	UNT to Martins Creek	Intermittent	1	0.005	0.004	CWF	N\A	Conventional

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER
NO. 69074

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-03	ALIGNMENT SHEET

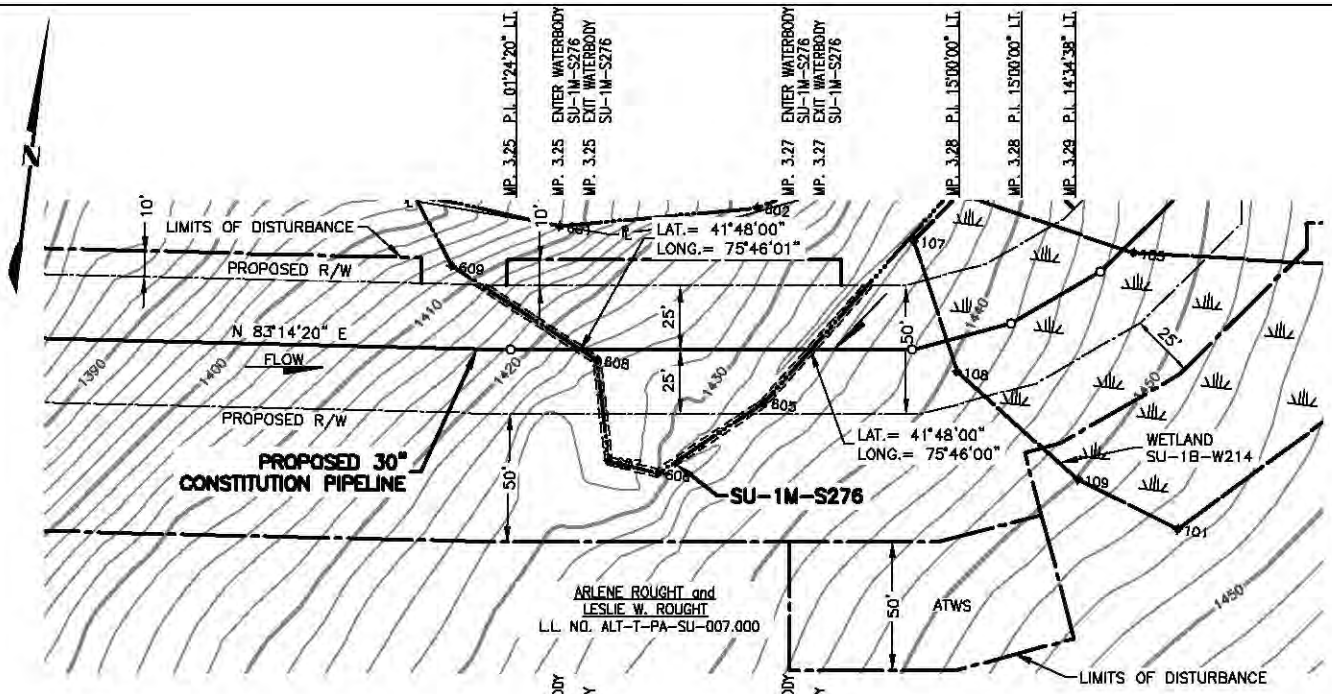
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
2	10-22-13	GE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
3	10-29-13	GE	REVISED - ISSUE FOR USE	1110415		
1	09-06-13	GE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
0	08-06-13	GE	ISSUE FOR USE	1114015		
4	10-30-13	GE	ISSUED FOR USE	1110415		

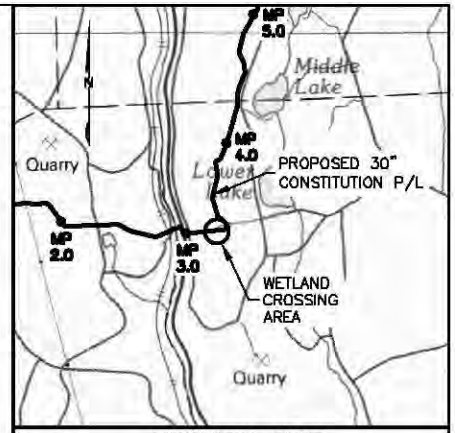
APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
WATER OBSTRUCTION & ENCROACHMENT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
STREAM CROSSINGS SU-1M-S229, SU-1B-S275
AND SU-1M-S275A @ M.P. 3.04
HARFORD TOWNSHIP, SUSQUEHANNA COUNTY, PENNSYLVANIA

DRAWN BY: GIE	DATE: 05-17-2013	ISSUED FOR BID:	SCALE: 1"= 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-09-70/SU-1M-S229-1-4	SHEET 7 OF 214
WO: 1110415			



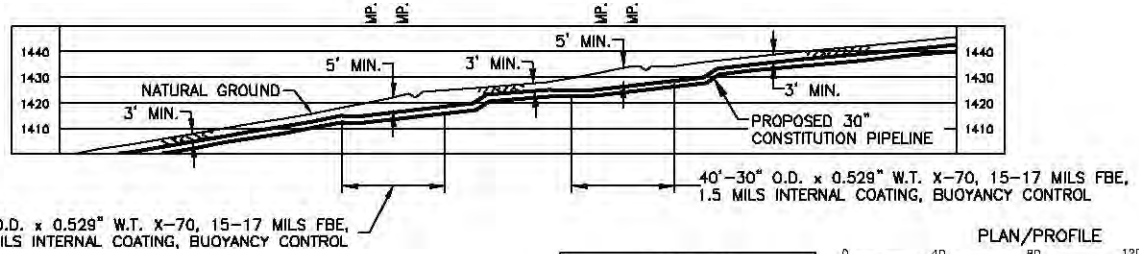


VICINITY MAP

USGS QUAD MAP: HONESDALE, PA.

5000' 0 5000'

SCALE IN FEET



PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

NOTES:

1. AFTER INSTALLATION OF THE PIPELINE, TRENCHES OUTSIDE THE CHANNEL SHALL BE RESTORED TO PRE-CONSTRUCTION ELEVATION AND STABILIZED WITH NATIVE VEGETATION. TRENCHES INSIDE THE CHANNEL SHALL BE BACKFILLED TO PRE-CONSTRUCTION ELEVATIONS. CLEAN ROCK OR NATIVE COBBLES WILL BE USED FOR THE UPPER ONE(1) FOOT OF TRENCH BACKFILL IN WATERBODIES THAT CONTAIN COLDWATER FISHERIES.
2. A MINIMUM CLEARANCE OF 24 INCHES BETWEEN THE PROPOSED PIPELINE AND ANY EXISTING FACILITIES WILL BE MAINTAINED.
3. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE UTM 18N NAD83, US SURVEY FEET.
4. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
5. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
6. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN ECP BMP TYPICAL DETAILS.

Waterbody ID	Waterbody Name	Flow Regime	Crossing Length (feet)	Stream Disturbance (acres)		State Water Quality Standard	State Fishery Classification	Crossing Method
				Temporary ROW	50' Permanent ROW			
SU-1M-S276	UNT to Martins Creek	Intermittent	5	0.005	0.010	CWF	N\A	Dry

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER
NO. 69074

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-04	ALIGNMENT SHEET

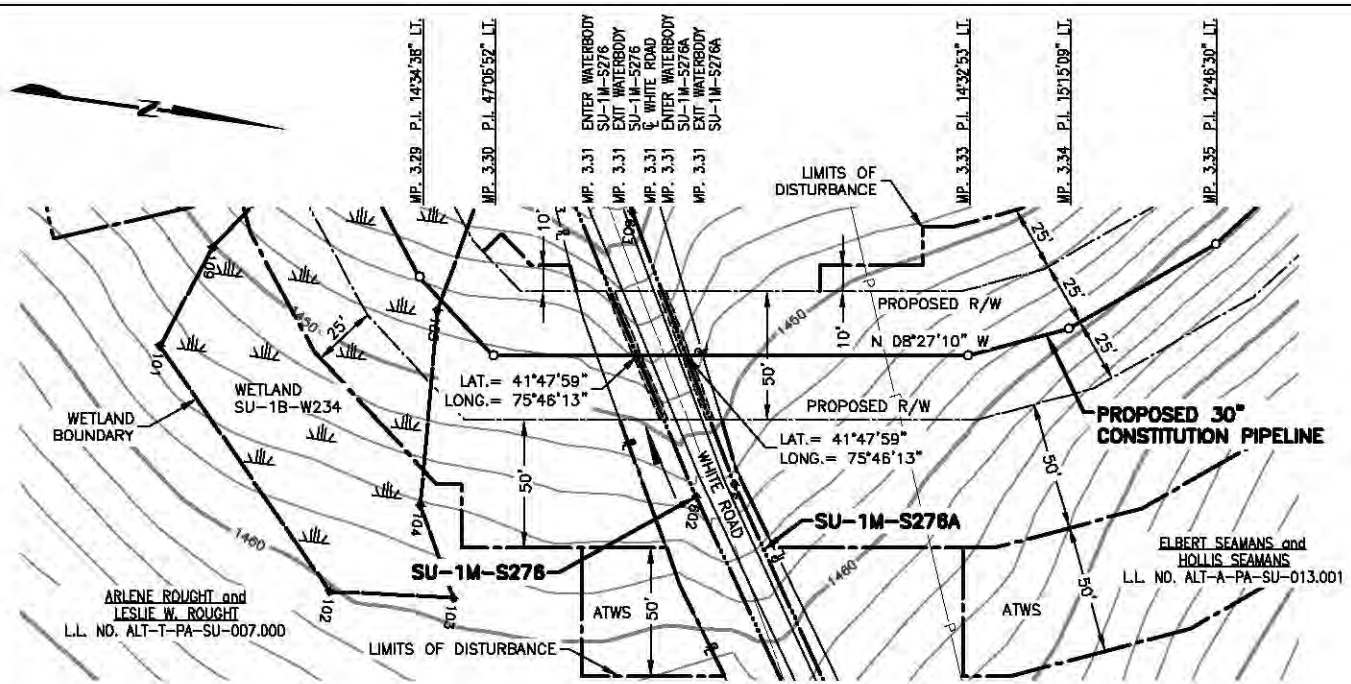
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
D	07-27-13	GIE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
E	08-01-13	GIE	REVISED - ISSUED FOR REVIEW	1110415		
G	08-16-13	GIE	REVISED - ISSUED FOR REVIEW	1110415		
I	09-06-13	GIE	REVISED - ISSUED FOR USE	1110415		
2	10-04-13	GIE	ISSUE FOR USE	1110415		

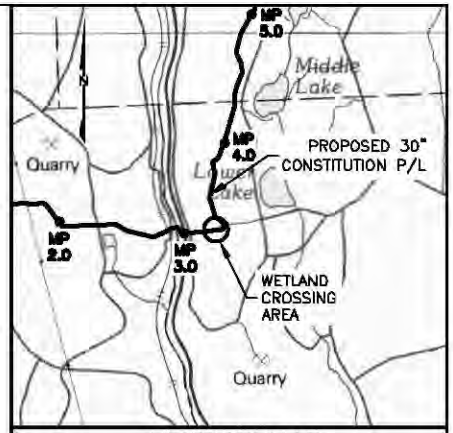
APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
WATER OBSTRUCTION & ENCROACHMENT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
STREAM CROSSINGS SU-1M-S276 @ M.P. 3.25
HARFORD TOWNSHIP
SUSQUEHANNA COUNTY, PENNSYLVANIA

DRAWN BY: GIE	DATE: 06-03-2013	ISSUED FOR BID:	SCALE: 1"= 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-09-70/SU-1M-S276-1-1	SHEET 8 OF 214
WO: 1110415			



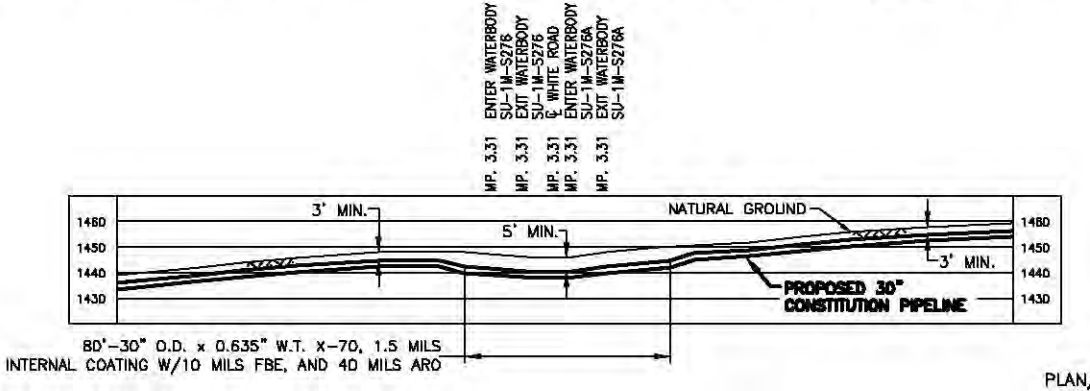


VICINITY MAP

USGS QUAD MAP: HONESDALE, PA.

5000' 0 5000'

SCALE IN FEET



NOTES:

1. AFTER INSTALLATION OF THE PIPELINE, TRENCHES OUTSIDE THE CHANNEL SHALL BE RESTORED TO PRE-CONSTRUCTION ELEVATION AND STABILIZED WITH NATIVE VEGETATION. TRENCHES INSIDE THE CHANNEL SHALL BE BACKFILLED TO PRE-CONSTRUCTION ELEVATIONS. CLEAN ROCK OR NATIVE COBBLES WILL BE USED FOR THE UPPER ONE(1) FOOT OF TRENCH BACKFILL IN WATERBODIES THAT CONTAIN COLDWATER FISHERIES.
2. A MINIMUM CLEARANCE OF 24 INCHES BETWEEN THE PROPOSED PIPELINE AND ANY EXISTING FACILITIES WILL BE MAINTAINED.
3. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE UTM 18N NAD83, US SURVEY FEET.
4. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
5. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
6. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN ECP BMP TYPICAL DETAILS.

Waterbody ID	Waterbody Name	Flow Regime	Crossing Length (feet)	Stream Disturbance (acres)		State Water Quality Standard	State Fishery Classification	Crossing Method
				Temporary ROW	50' Permanent ROW			
SU-1M-S276	UNT to Martins Creek	Intermittent	3	N\A	0.004	CWF	N\A	Conventional Bore
SU-1M-S276A	UNT to Martins Creek	Ephemeral	1	N\A	0.002	CWF	N\A	Conventional Bore

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER
NO. 69074

PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-04	ALIGNMENT SHEET

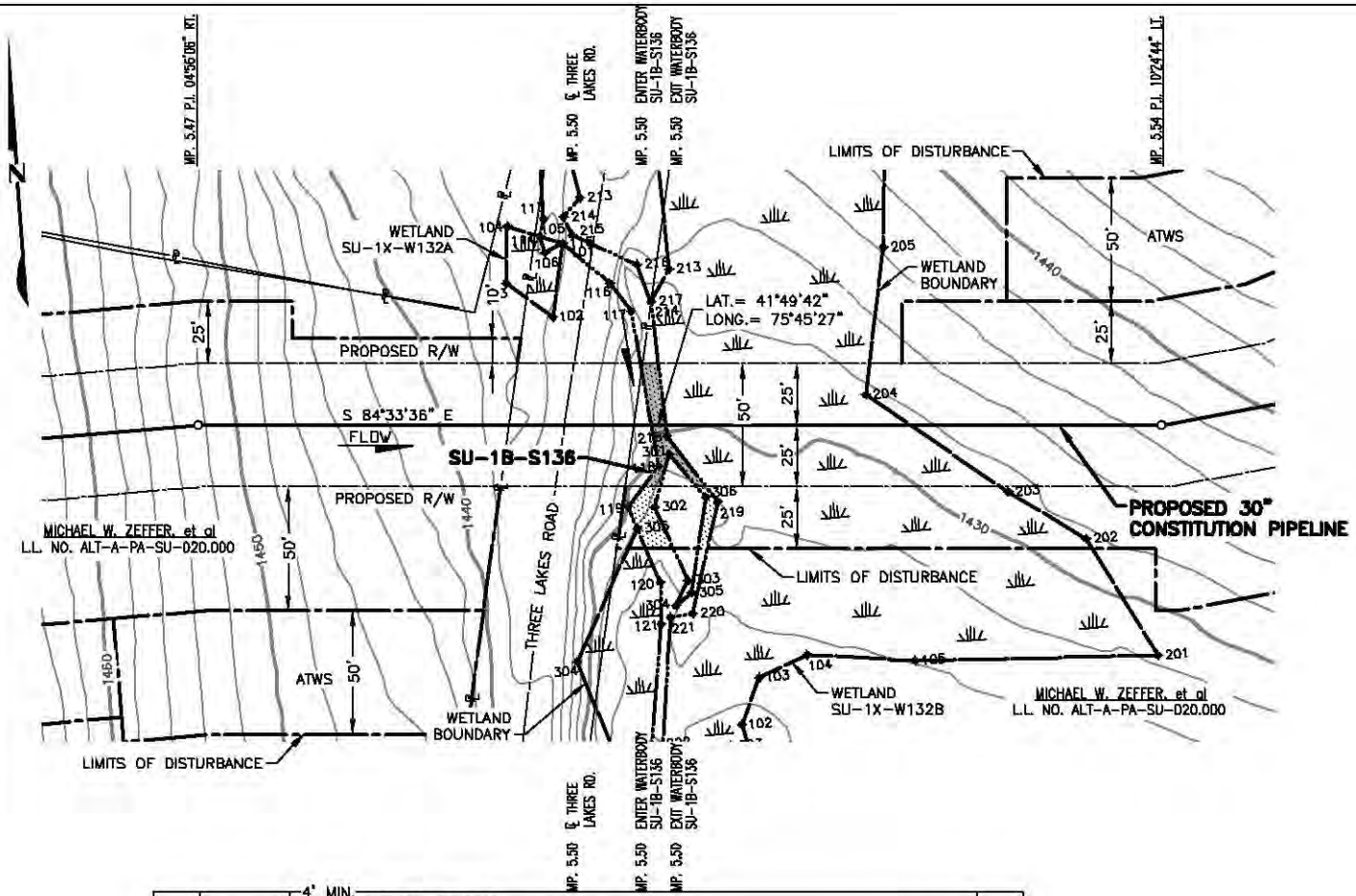
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
0	08-06-13	GIE	ISSUE FOR USE	1110415		
1	08-08-13	GIE	REVISED - ISSUE FOR USE	1110415		
2	09-07-13	GIE	REVISED - ISSUE FOR USE	1110415		
3	10-20-13	GIE	REVISED - ISSUED FOR USE	1110415		
4	10-28-13	GIE	ISSUE FOR USE	1110415		

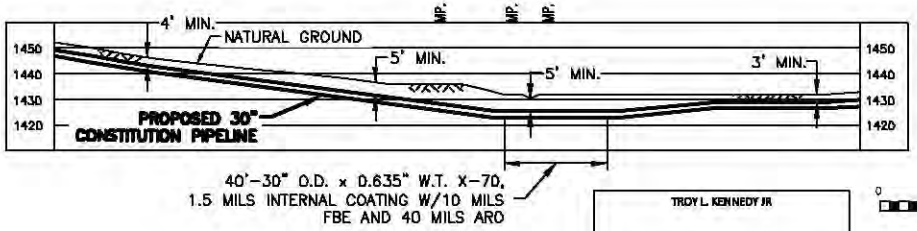
GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

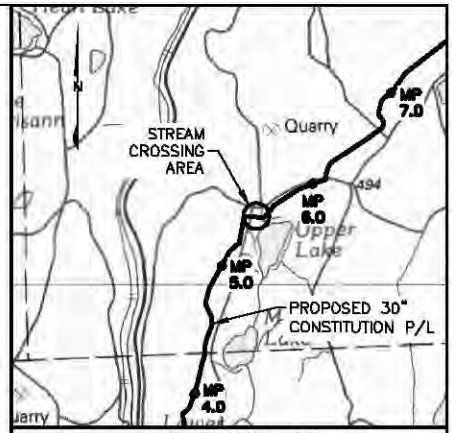
APPLICATION NO.: NAN-2012-00449-UBR

CONSTITUTION PIPELINE COMPANY, LLC.
WATER OBSTRUCTION & ENCROACHMENT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
STREAM CROSSINGS SU-1M-S276 AND
SU-1M-S276A @ M.P. 3.31
HARFORD TOWNSHIP, SUSQUEHANNA COUNTY, PENNSYLVANIA

DRAWN BY: GIE	DATE: 06-03-2013	ISSUED FOR BID:	SCALE: 1"= 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-09-70/SU-1M-S276-2-4	SHEET 8 OF 214
WO: 1110415			







VICINITY MAP

USGS QUAD MAP: HONESDALE, PA.

5000' 0 5000'

SCALE IN FEET

NOTES:

1. AFTER INSTALLATION OF THE PIPELINE, TRENCHES OUTSIDE THE CHANNEL SHALL BE RESTORED TO PRE-CONSTRUCTION ELEVATION AND STABILIZED WITH NATIVE VEGETATION. TRENCHES INSIDE THE CHANNEL SHALL BE BACKFILLED TO PRE-CONSTRUCTION ELEVATIONS. CLEAN ROCK OR NATIVE COBBLES WILL BE USED FOR THE UPPER ONE(1) FOOT OF TRENCH BACKFILL IN WATERBODIES THAT CONTAIN COLDWATER FISHERIES.
2. A MINIMUM CLEARANCE OF 24 INCHES BETWEEN THE PROPOSED PIPELINE AND ANY EXISTING FACILITIES WILL BE MAINTAINED.
3. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE UTM 18N NAD83, US SURVEY FEET.
4. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
5. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
6. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN ECP BMP TYPICAL DETAILS.

Waterbody ID	Waterbody Name	Flow Regime	Crossing Length (feet)	Stream Disturbance (acres)		State Water Quality Standard	State Fishery Classification	Crossing Method
				Temporary ROW	50' Permanent ROW			
SU-1B-S136	UNT to East Branch Martins Creek	Perennial	6	0.01	0.01	CWF	N\A	Conventional Bore

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER NO. 69074

PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-06	ALIGNMENT SHEET

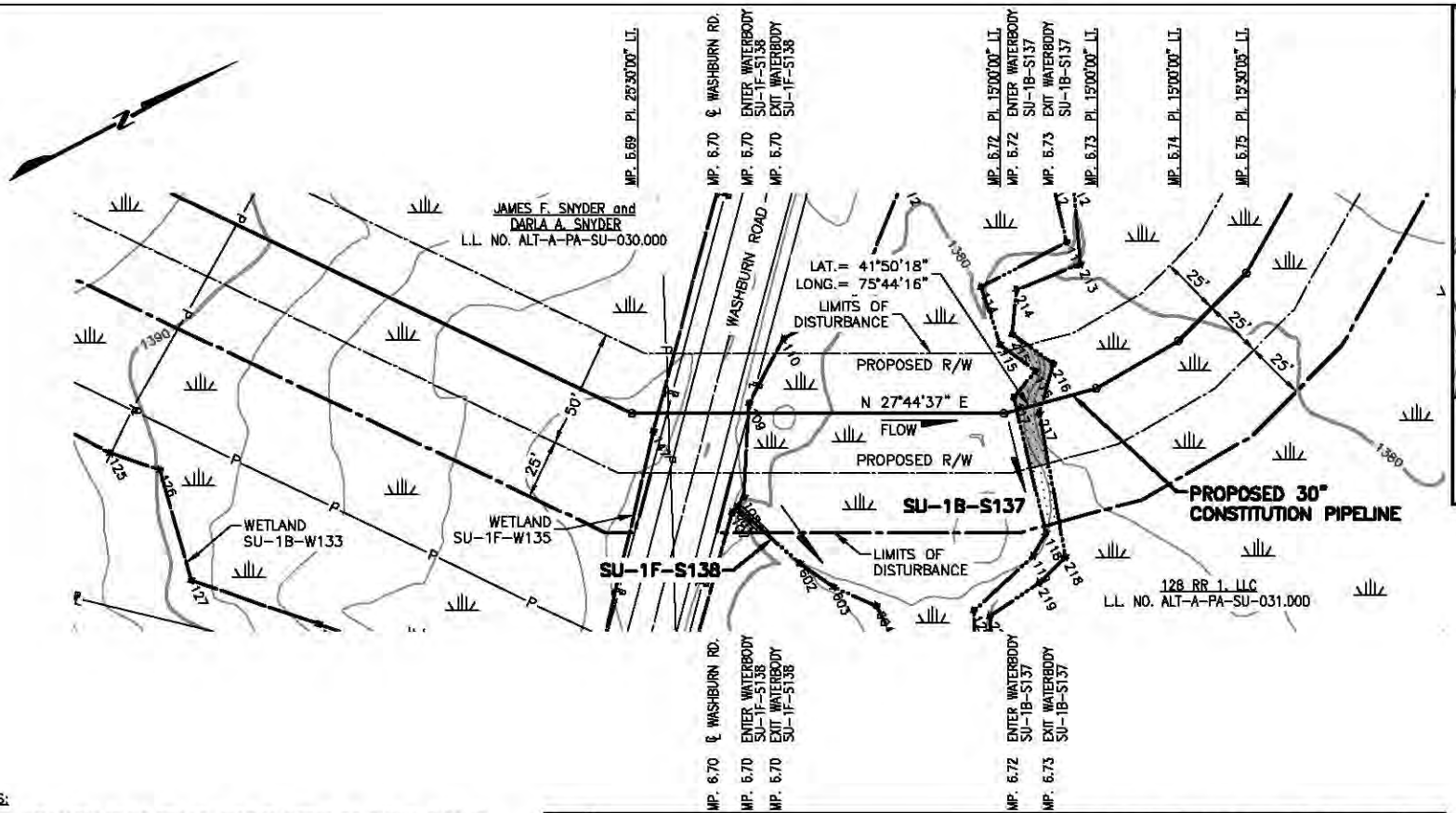
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
1	09-07-13	GIE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
2	10-04-13	GIE	REVISED - ISSUE FOR USE	1110415		
3	10-20-13	GIE	REVISES - ISSUE FOR USE	1110415		
4	10-28-13	GIE	REVISED - ISSUE FOR USE	1110415		
5	10-30-13	GIE	ISSUE FOR USE	1110415		

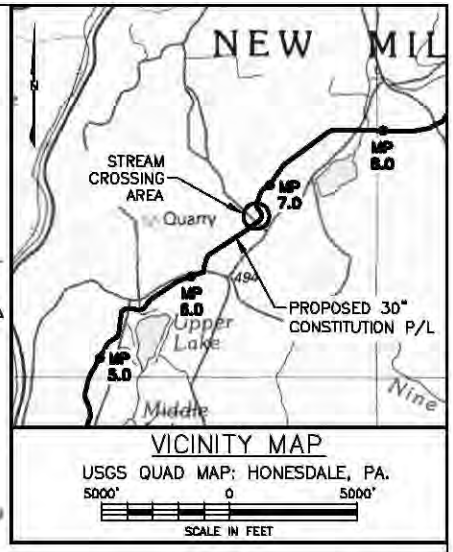
APPLICATION NO.: NAN-2012-00449-UBR

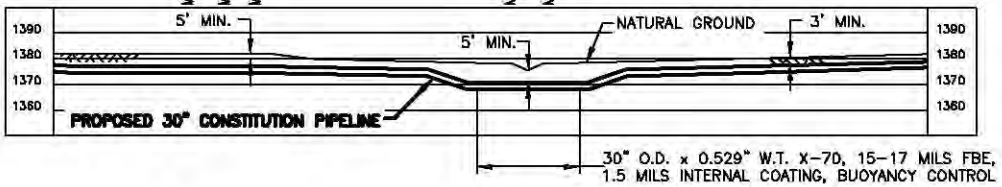
GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
WATER OBSTRUCTION & ENCROACHMENT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
STREAM CROSSING SU-1B-S136 @ M.P. 5.50
NEW MILFORD TOWNSHIP
SUSQUEHANNA COUNTY, PENNSYLVANIA

DRAWN BY: GIE	DATE: 05-18-2013	ISSUED FOR BID:	SCALE: 1"= 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-09-70/SU-1B-S136-1-5	SHEET 9 OF 214
WO: 1110415			







PLAN/PROFILE

0 40 80 120 160
SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

NOTES:

1. AFTER INSTALLATION OF THE PIPELINE, TRENCHES OUTSIDE THE CHANNEL SHALL BE RESTORED TO PRE-CONSTRUCTION ELEVATION AND STABILIZED WITH NATIVE VEGETATION. TRENCHES INSIDE THE CHANNEL SHALL BE BACKFILLED TO PRE-CONSTRUCTION ELEVATIONS. CLEAN ROCK OR NATIVE COBBLES WILL BE USED FOR THE UPPER ONE(1) FOOT OF TRENCH BACKFILL IN WATERBODIES THAT CONTAIN COLDWATER FISHERIES.
2. A MINIMUM CLEARANCE OF 24 INCHES BETWEEN THE PROPOSED PIPELINE AND ANY EXISTING FACILITIES WILL BE MAINTAINED.
3. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE UTM 18N NAD83, US SURVEY FEET.
4. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
5. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
6. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN ECP BMP TYPICAL DETAILS.

Waterbody ID	Waterbody Name	Flow Regime	Crossing Length (feet)	Stream Disturbance (acres)		State Water Quality Standard	State Fishery Classification	Crossing Method
				Temporary ROW	50' Permanent ROW			
SU-1F-S138	UNT to Meylert Creek	Intermittent	0	0.001		HQ-CWF	N/A	N/A
SU-1B-S137	Meylert Creek	Perennial	9	0.034	0.089	HQ-CWF	N/A	Dry

TROY L. KENNEDY JR
N.Y. PROFESSIONAL ENGINEER
NO. 69074

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-07	ALIGNMENT SHEET

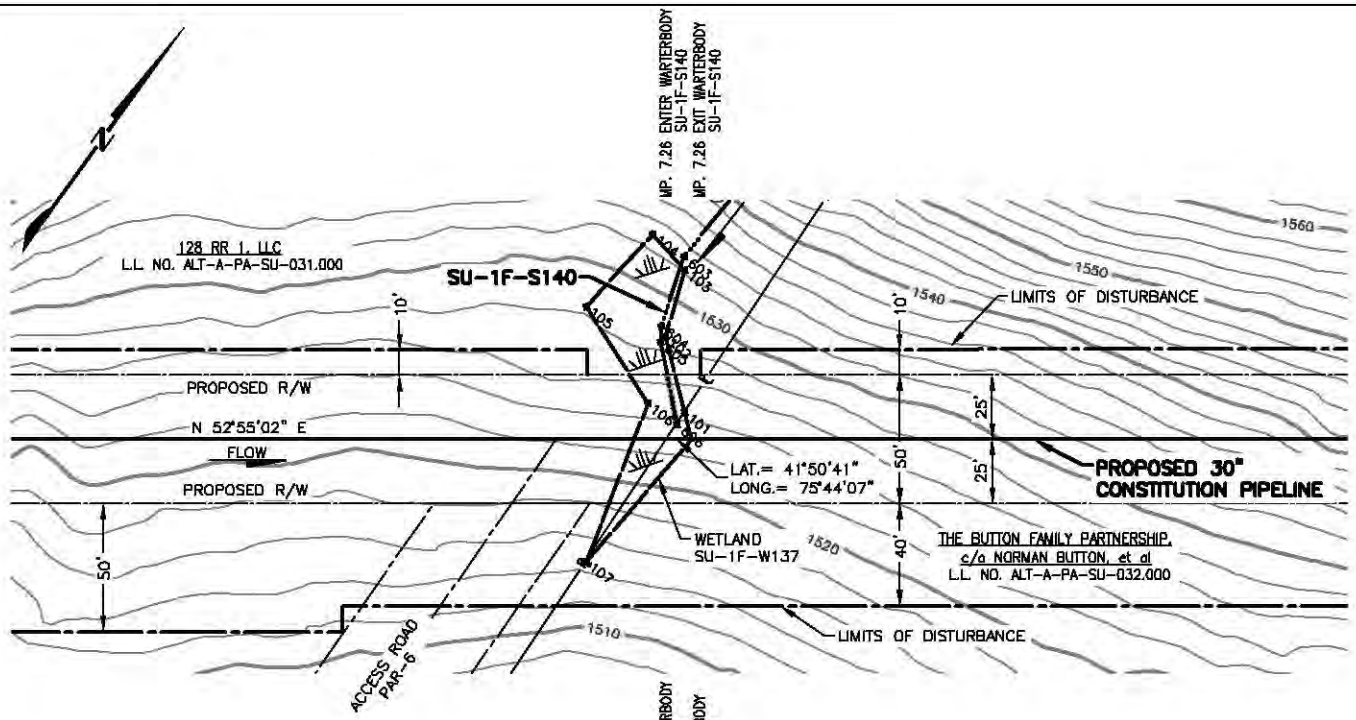
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
C	07-26-13	GIE	REVISED - ISSUE FOR CLIENT REVIEW	1110415		
B	08-06-13	GIE	ISSUE FOR USE	1110415		
1	09-09-13	GIE	ISSUE FOR USE	1110415		
2	10-04-13	GIE	REVISED - ISSUE FOR USE	1110415		
3	10-20-13	GIE	REVISED - ISSUE FOR USE	1110415		

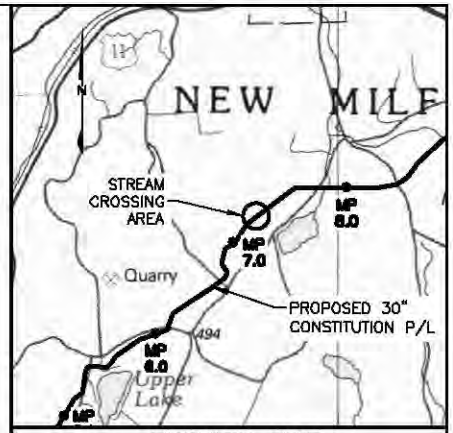
GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

APPLICATION NO.: NAN-2012-00449-UBR

CONSTITUTION PIPELINE COMPANY, LLC.
WATER OBSTRUCTION & ENCROACHMENT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
STREAM CROSSING SU-1F-S138 AND SU-1B-S137 @ M.P. 6.70
NEW MILFORD TOWNSHIP
SUSQUEHANNA COUNTY, PENNSYLVANIA

DRAWN BY: GIE	DATE: 07-11-2013	ISSUED FOR BID:	SCALE: 1"= 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-09-70/SU-1F-S138-1-3	SHEET 10 OF 214
WO: 1110415			



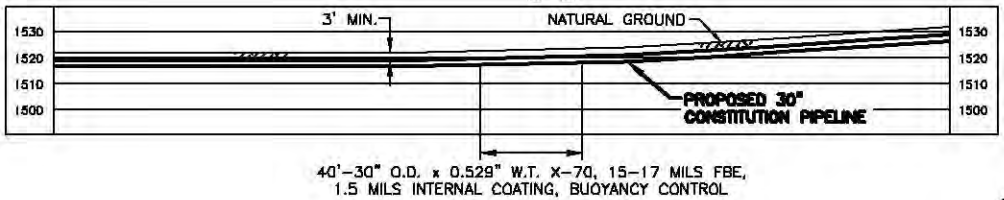


VICINITY MAP

USGS QUAD MAP: HONESDALE, PA.

5000' 0 5000'

SCALE IN FEET



40'-30" O.D. x 0.529" W.T. X-70, 15-17 MILS FBE, 1.5 MILS INTERNAL COATING, BUOYANCY CONTROL

NOTES:

1. AFTER INSTALLATION OF THE PIPELINE, TRENCHES OUTSIDE THE CHANNEL SHALL BE RESTORED TO PRE-CONSTRUCTION ELEVATION AND STABILIZED WITH NATIVE VEGETATION. TRENCHES INSIDE THE CHANNEL SHALL BE BACKFILLED TO PRE-CONSTRUCTION ELEVATIONS. CLEAN ROCK OR NATIVE COBBLES WILL BE USED FOR THE UPPER ONE(1) FOOT OF TRENCH BACKFILL IN WATERBODIES THAT CONTAIN COLDWATER FISHERIES.
2. A MINIMUM CLEARANCE OF 24 INCHES BETWEEN THE PROPOSED PIPELINE AND ANY EXISTING FACILITIES WILL BE MAINTAINED.
3. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE UTM 18N NAD83, US SURVEY FEET.
4. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
5. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
6. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN ECP BMP TYPICAL DETAILS.

Waterbody ID	Waterbody Name	Flow Regime	Crossing Length (feet)	Stream Disturbance (acres)		State Water Quality Standard	State Fishery Classification	Crossing Method
				Temporary ROW	50' Permanent ROW			
SU-1F-S140	UNT to Meylert Creek	Ephemeral	0		0.001	HQ-CWF	N/A	N/A

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER
NO. 69074

PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-08	ALIGNMENT SHEET

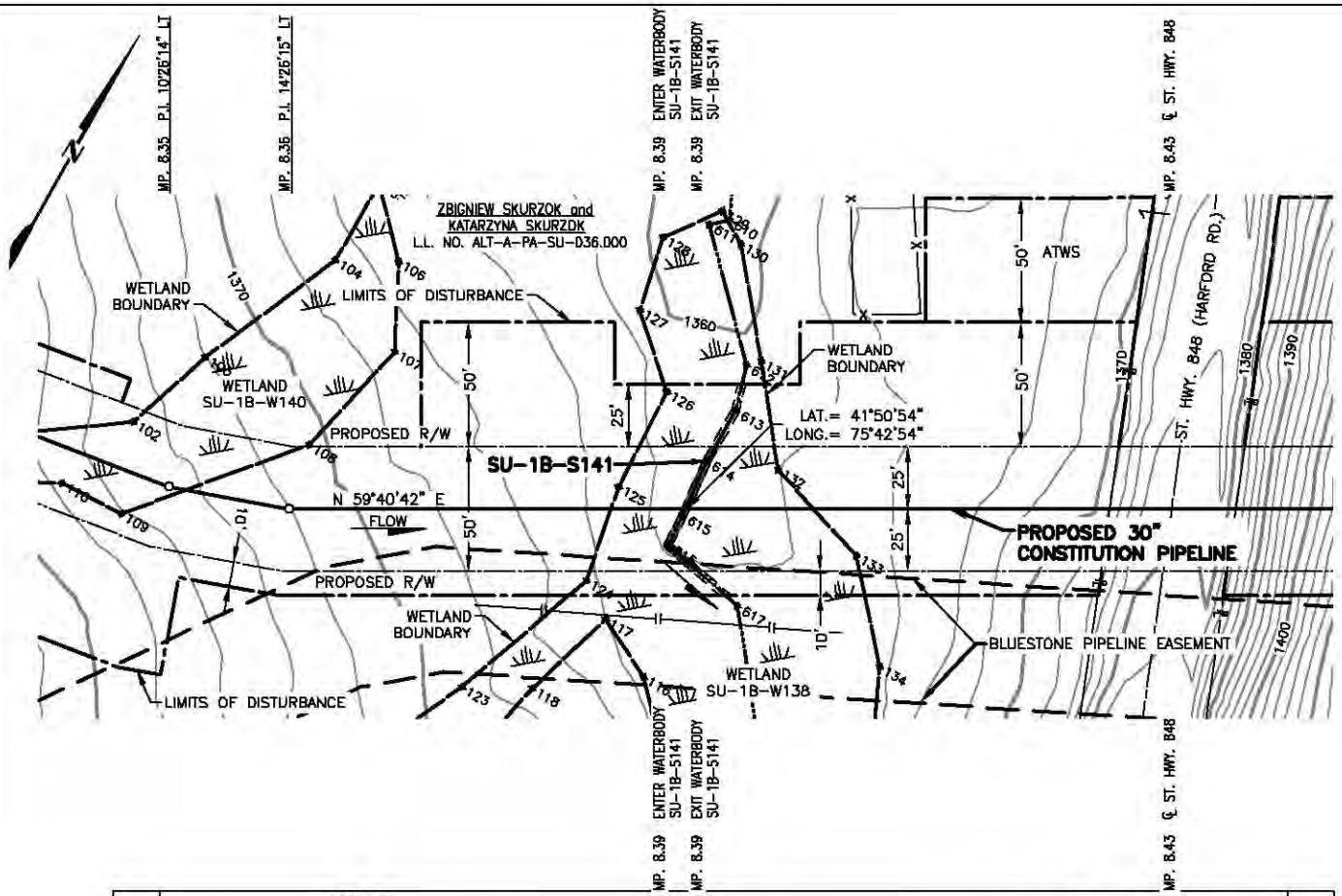
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	07-02-13	GIE	ISSUED FOR CLIENT REVIEW	1110415		
B	07-16-13	GIE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
0	08-06-13	GIE	ISSUE FOR USE	1110415		
1	09-09-13	GIE	REVISED - ISSUED FOR USE	1110415		
2	10-04-13	GIE	ISSUE FOR USE	1110415		

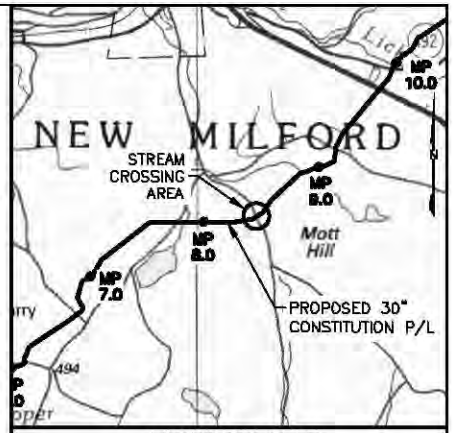
GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

APPLICATION NO.: NAN-2012-00449-UBR

CONSTITUTION PIPELINE COMPANY, LLC.
WATER OBSTRUCTION & ENCROACHMENT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
STREAM CROSSING SU-1F-S140 @ M.P. 7.26
NEW MILFORD TOWNSHIP
SUSQUEHANNA COUNTY, PENNSYLVANIA

DRAWN BY: GIE	DATE: 05-20-2013	ISSUED FOR BID:	SCALE: 1"= 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-09-70/SU-1F-S140-1-2	SHEET 11 OF 214
WO: 1110415			



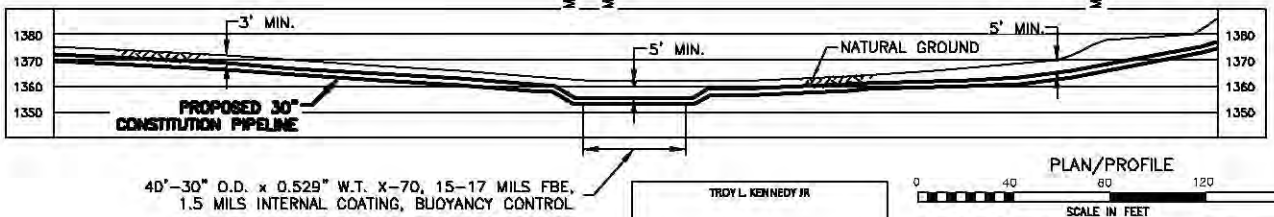


VICINITY MAP

USGS QUAD MAP: HONESDALE, PA.

5000' 0 5000'

SCALE IN FEET



40'-30" O.D. x 0.529" W.T. X-70, 15-17 MILS FBE, 1.5 MILS INTERNAL COATING, BUOYANCY CONTROL

PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

NOTES:

1. AFTER INSTALLATION OF THE PIPELINE, TRENCHES OUTSIDE THE CHANNEL SHALL BE RESTORED TO PRE-CONSTRUCTION ELEVATION AND STABILIZED WITH NATIVE VEGETATION. TRENCHES INSIDE THE CHANNEL SHALL BE BACKFILLED TO PRE-CONSTRUCTION ELEVATIONS. CLEAN ROCK OR NATIVE COBBLES WILL BE USED FOR THE UPPER ONE(1) FOOT OF TRENCH BACKFILL IN WATERBODIES THAT CONTAIN COLDWATER FISHERIES.
2. A MINIMUM CLEARANCE OF 24 INCHES BETWEEN THE PROPOSED PIPELINE AND ANY EXISTING FACILITIES WILL BE MAINTAINED.
3. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE UTM 18N NAD83, US SURVEY FEET.
4. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
5. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
6. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN ECP BMP TYPICAL DETAILS.

Waterbody ID	Waterbody Name	Flow Regime	Crossing Length (feet)	Stream Disturbance (acres)		State Water Quality Standard	State Fishery Classification	Crossing Method
				Temporary ROW	50' Permanent ROW			
SU-1B-S141	UNT to Wellmans Creek	Perennial	2	0.003	0.004	HQ-CWF	N/A	Dry

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER
NO. 69074

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-09	ALIGNMENT SHEET

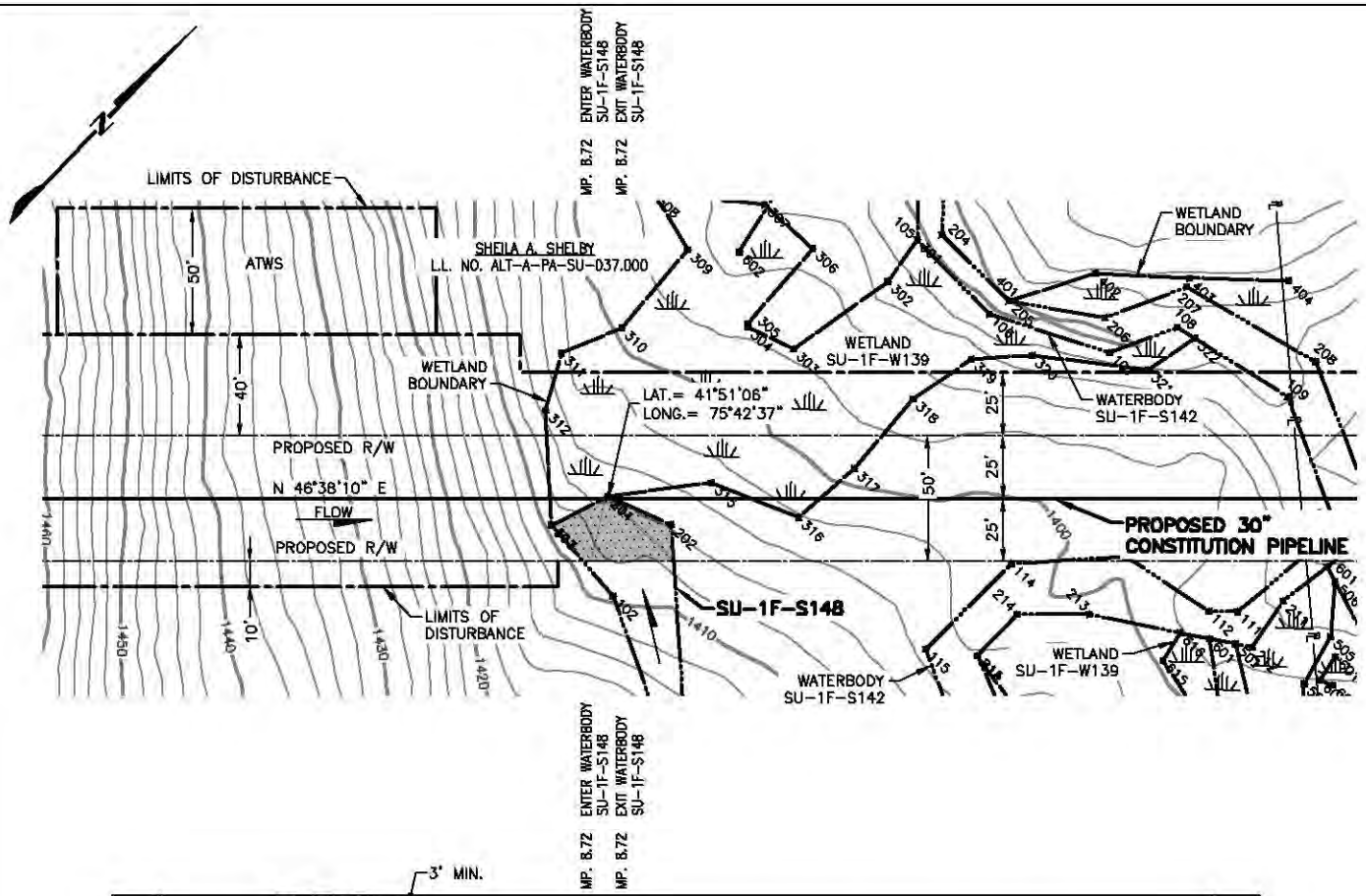
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
B	07-16-13	GIE	REVISED -ISSUE FOR CLIENT REVIEW	1110415		
0	08-06-13	GIE	REVISED - ISSUE FOR USE	1110415		
1	09-09-13	GIE	REVISED - ISSUE FOR USE	1110415		
2	10-04-13	GIE	ISSUE FOR USE	1110415		
3	10-20-13	GIE	ISSUE FOR USE	1110415		

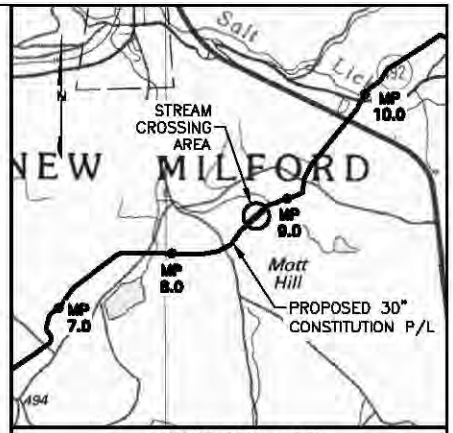
APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
WATER OBSTRUCTION & ENCROACHMENT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
STREAM CROSSING SU-1B-S141 @ M.P. 8.39
NEW MILFORD TOWNSHIP
SUSQUEHANNA COUNTY, PENNSYLVANIA

DRAWN BY: GIE	DATE: 05-20-2013	ISSUED FOR BID:	SCALE: 1"= 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-09-70/SU-1B-S141-1-3	SHEET 12 OF 214
WO: 1110415			



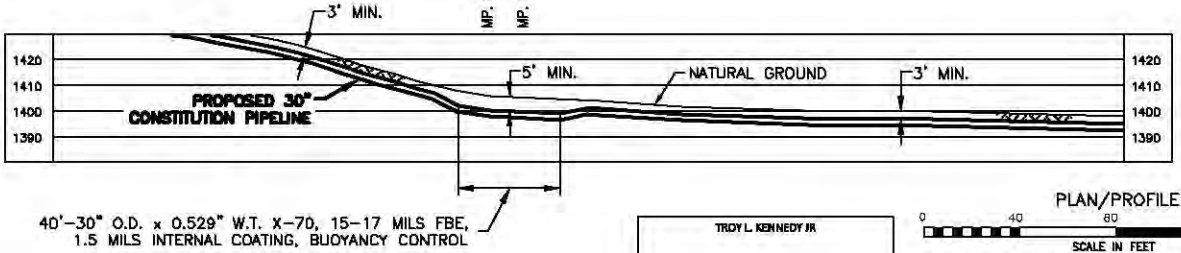


VICINITY MAP

USGS QUAD MAP: HONESDALE, PA.

5000' 0 5000'

SCALE IN FEET



40'-30" O.D. x 0.529" W.T. X-70, 15-17 MILS FBE, 1.5 MILS INTERNAL COATING, BUOYANCY CONTROL

PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

NOTES:

1. AFTER INSTALLATION OF THE PIPELINE, TRENCHES OUTSIDE THE CHANNEL SHALL BE RESTORED TO PRE-CONSTRUCTION ELEVATION AND STABILIZED WITH NATIVE VEGETATION. TRENCHES INSIDE THE CHANNEL SHALL BE BACKFILLED TO PRE-CONSTRUCTION ELEVATIONS. CLEAN ROCK OR NATIVE COBBLES WILL BE USED FOR THE UPPER ONE(1) FOOT OF TRENCH BACKFILL IN WATERBODIES THAT CONTAIN COLDWATER FISHERIES.
2. A MINIMUM CLEARANCE OF 24 INCHES BETWEEN THE PROPOSED PIPELINE AND ANY EXISTING FACILITIES WILL BE MAINTAINED.
3. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE UTM 18N NAD83, US SURVEY FEET.
4. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
5. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
6. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN ECP BMP TYPICAL DETAILS.

Waterbody ID	Waterbody Name	Flow Regime	Crossing Length (feet)	Stream Disturbance (acres)		State Water Quality Standard	State Fishery Classification	Crossing Method
				Temporary ROW	50' Permanent ROW			
SU-1F-S148	UNT to Wellmans Creek	Intermittent	4		0.020	HQ-CWF	N/A	Dry

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER
NO. 69074

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-09	ALIGNMENT SHEET

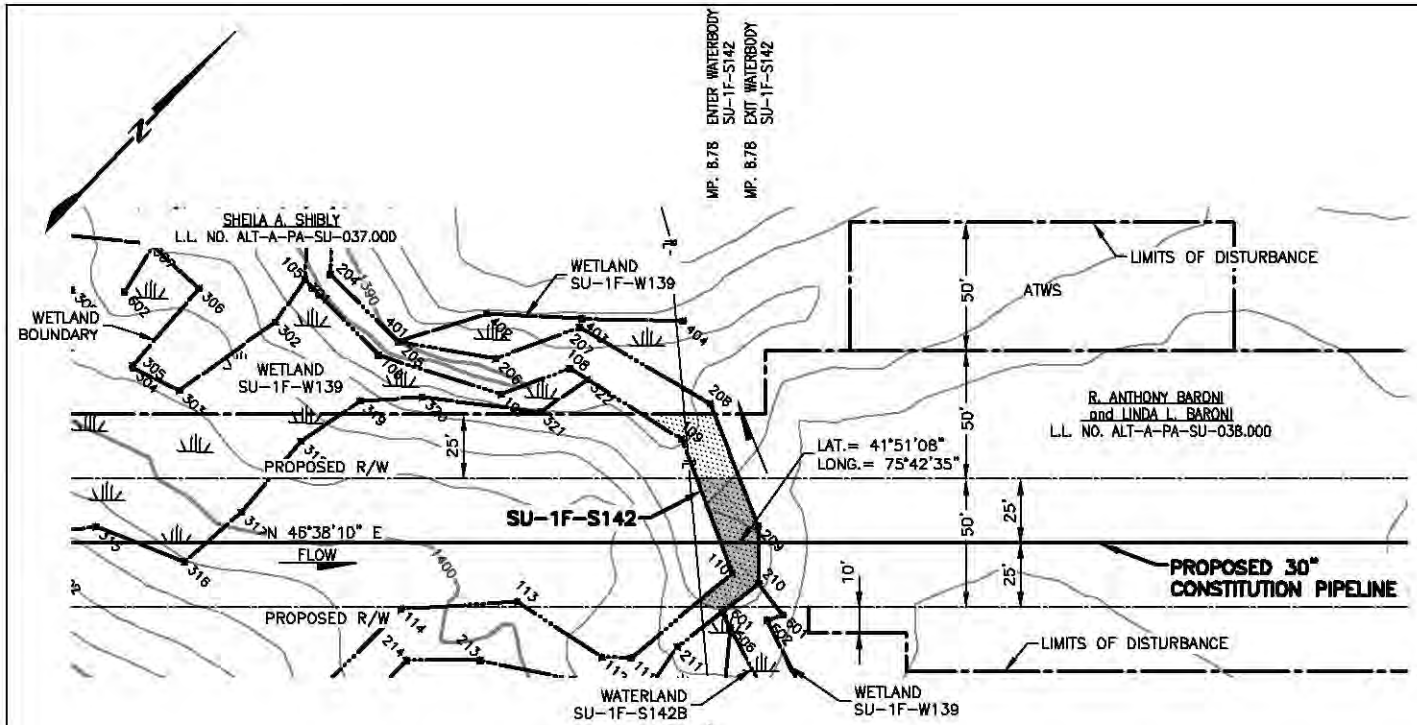
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
0	08-06-13	GIE	ISSUED FOR USE	1110415		
1	08-13-13	GIE	ISSUED FOR USE	1110415		
2	08-14-13	GIE	REVISED - ISSUED FOR USE	1110415		
3	09-10-13	GIE	REVISED - ISSUED FOR USE	1110415		
4	10-03-13	GIE	ISSUE FOR USE	1110415		

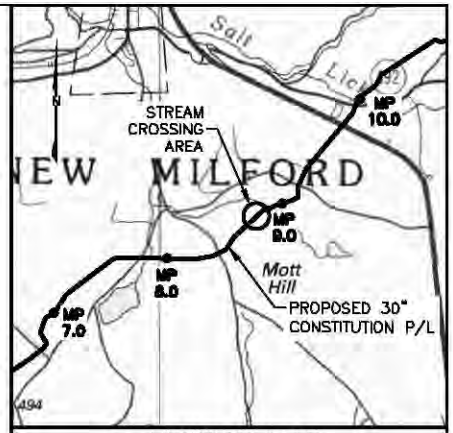
GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

APPLICATION NO.: NAN-2012-00449-UBR

CONSTITUTION PIPELINE COMPANY, LLC.
WATER OBSTRUCTION & ENCROACHMENT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
STREAM CROSSING SU-1F-S148 @ M.P. 8.72
NEW MILFORD TOWNSHIP
SUSQUEHANNA COUNTY, PENNSYLVANIA

DRAWN BY: GIE	DATE: 05-20-2013	ISSUED FOR BID:	SCALE: 1"= 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-09-70/SU-1F-S148-1-4	SHEET 13 OF 214
WO: 1110415			



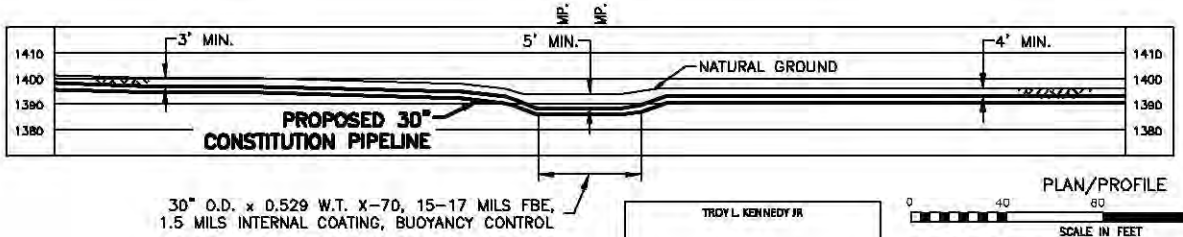


VICINITY MAP

USGS QUAD MAP: HONESDALE, PA.

5000' 0 5000'

SCALE IN FEET



PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

NOTES:

1. AFTER INSTALLATION OF THE PIPELINE, TRENCHES OUTSIDE THE CHANNEL SHALL BE RESTORED TO PRE-CONSTRUCTION ELEVATION AND STABILIZED WITH NATIVE VEGETATION. TRENCHES INSIDE THE CHANNEL SHALL BE BACKFILLED TO PRE-CONSTRUCTION ELEVATIONS. CLEAN ROCK OR NATIVE COBBLES WILL BE USED FOR THE UPPER ONE(1) FOOT OF TRENCH BACKFILL IN WATERBODIES THAT CONTAIN COLDWATER FISHERIES.
2. A MINIMUM CLEARANCE OF 24 INCHES BETWEEN THE PROPOSED PIPELINE AND ANY EXISTING FACILITIES WILL BE MAINTAINED.
3. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE UTM 18N NAD83, US SURVEY FEET.
4. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
5. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
6. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN ECP BMP TYPICAL DETAILS.

Waterbody ID	Waterbody Name	Flow Regime	Crossing Length (feet)	Stream Disturbance (acres)		State Water Quality Standard	State Fishery Classification	Crossing Method
				Temporary ROW	50' Permanent ROW			
SU-1F-S142	UNT to Wellsman Creek	Intermittent	15	0.01	0.02	HQ-CWF	N/A	Dry

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER
NO. 69074

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-09	ALIGNMENT SHEET

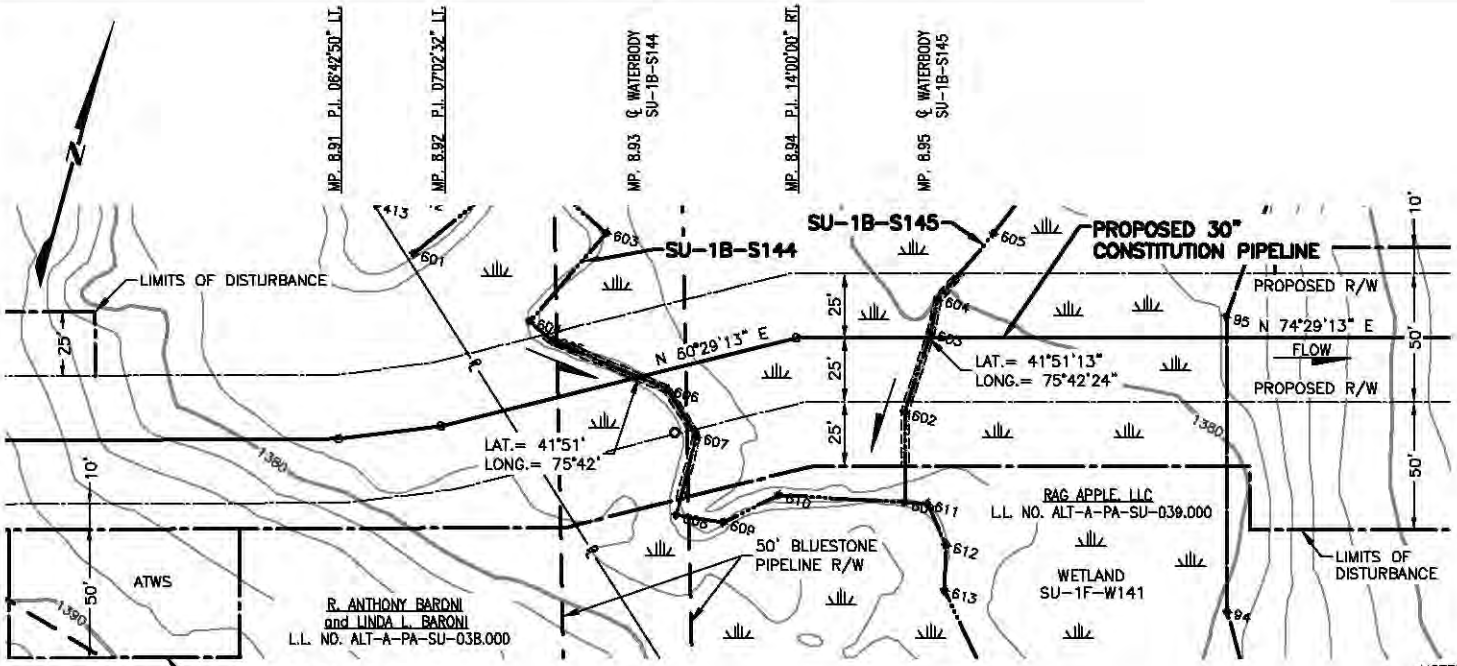
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
B	07-16-13	GIE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
0	08-06-13	GIE	ISSUE FOR USE	1110415		
1	09-10-13	GIE	REVISED - ISSUE FOR USE	1110415		
2	10-28-13	GIE	REVISED - ISSUE FOR USE	1110415		
3	10-31-13	GIE	ISSUE FOR USE	1110415		

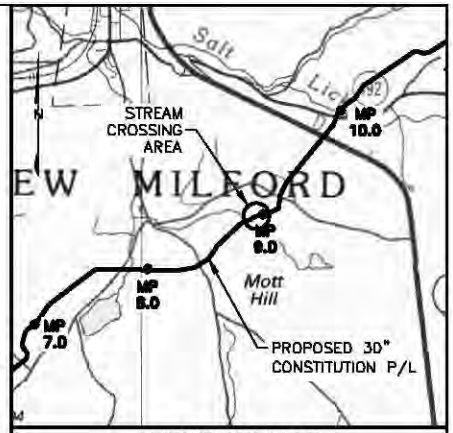
APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
WATER OBSTRUCTION & ENCROACHMENT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
STREAM CROSSING SU-1F-S142 @ M.P. 8.78
NEW MILFORD TOWNSHIP
SUSQUEHANNA COUNTY, PENNSYLVANIA

DRAWN BY: GIE	DATE: 05-20-2013	ISSUED FOR BID:	SCALE: 1"= 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-09-70/SU-1F-S142-1-3	SHEET 14 OF 214
WO: 1110415			



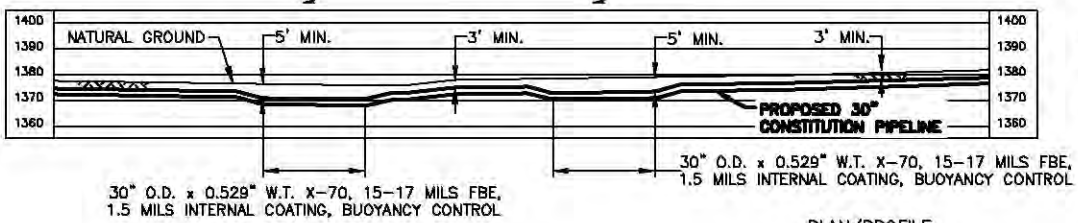


VICINITY MAP

USGS QUAD MAP: HONESDALE, PA.

5000' 0 5000'

SCALE IN FEET



PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

NOTES:

1. AFTER INSTALLATION OF THE PIPELINE, TRENCHES OUTSIDE THE CHANNEL SHALL BE RESTORED TO PRE-CONSTRUCTION ELEVATION AND STABILIZED WITH NATIVE VEGETATION. TRENCHES INSIDE THE CHANNEL SHALL BE BACKFILLED TO PRE-CONSTRUCTION ELEVATIONS. CLEAN ROCK OR NATIVE COBBLES WILL BE USED FOR THE UPPER ONE(1) FOOT OF TRENCH BACKFILL IN WATERBODIES THAT CONTAIN COLDWATER FISHERIES.
2. A MINIMUM CLEARANCE OF 24 INCHES BETWEEN THE PROPOSED PIPELINE AND ANY EXISTING FACILITIES WILL BE MAINTAINED.
3. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE UTM 18N NAD83, US SURVEY FEET.
4. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
5. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
6. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN ECP BMP TYPICAL DETAILS.

Waterbody ID	Waterbody Name	Flow Regime	Crossing Length (feet)	Stream Disturbance (acres)		State Water Quality Standard	State Fishery Classification	Crossing Method
				Temporary ROW	50' Permanent ROW			
SU-1B-S144	Wellmans Creek	Perennial	3	0.01	0.01	HQ-CWF	N/A	Dry
SU-1B-S145	UNT to Wellmans Creek	Perennial	5	0.01	0.01	HQ-CWF	N/A	Dry

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER
NO. 69074

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-09	ALIGNMENT SHEET

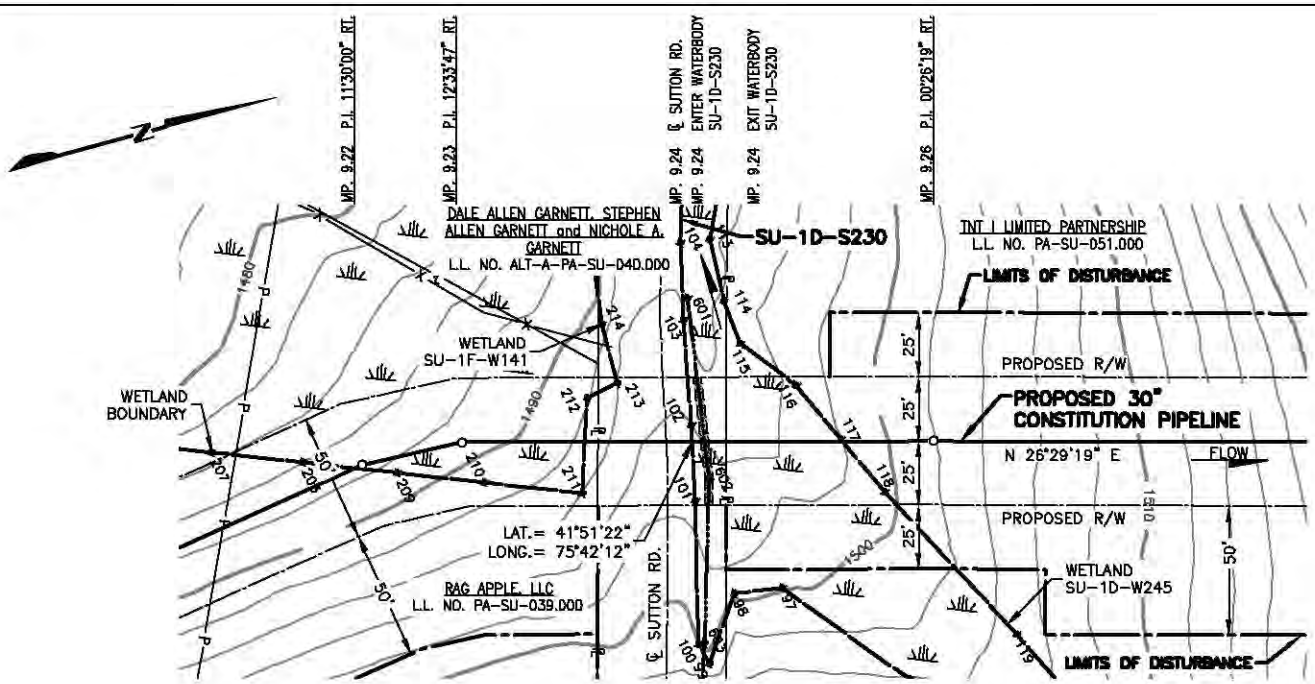
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
2	06-06-13	GIE	ISSUE FOR USE	1110415		
3	09-11-13	GIE	REVISED - ISSUE FOR USE	1110415		
4	10-17-13	GIE	REVISED - ISSUE FOR USE	1110415		
5	10-28-13	GIE	REVISED - ISSUE FOR USE	1110415		
6	10-30-13	GIE	ISSUE FOR USE	1110415		

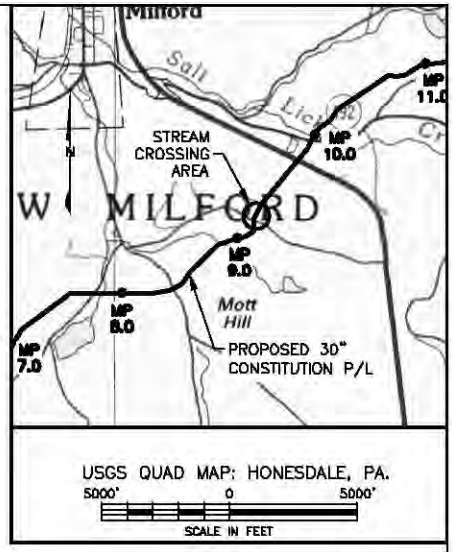
GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

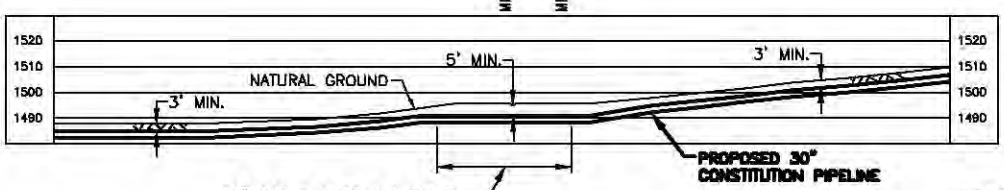
APPLICATION NO.: NAN-2012-00449-UBR

CONSTITUTION PIPELINE COMPANY, LLC.
WATER OBSTRUCTION & ENCROACHMENT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
STREAM CROSSING SU-1B-S144 & SU-1B-S145 @ M.P. 8.93
NEW MILFORD TOWNSHIP
SUSQUEHANNA COUNTY, PENNSYLVANIA

DRAWN BY: GIE	DATE: 06-12-2013	ISSUED FOR BID:	SCALE: 1"= 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-09-70/SU-1B-S144-1-6	SHEET 15 OF 214
WO: 1110415			







30" O.D. x 0.635 W.T. X-70, 1.5 MILS INTERNAL COATING W/ 10 MILS FBE AND 40 MILS ARO

PLAN/PROFILE

0 40 80 120 160
SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

NOTES:

1. AFTER INSTALLATION OF THE PIPELINE, TRENCHES OUTSIDE THE CHANNEL SHALL BE RESTORED TO PRE-CONSTRUCTION ELEVATION AND STABILIZED WITH NATIVE VEGETATION. TRENCHES INSIDE THE CHANNEL SHALL BE BACKFILLED TO PRE-CONSTRUCTION ELEVATIONS. CLEAN ROCK OR NATIVE COBBLES WILL BE USED FOR THE UPPER ONE(1) FOOT OF TRENCH BACKFILL IN WATERBODIES THAT CONTAIN COLDWATER FISHERIES.
2. A MINIMUM CLEARANCE OF 24 INCHES BETWEEN THE PROPOSED PIPELINE AND ANY EXISTING FACILITIES WILL BE MAINTAINED.
3. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE UTM 18N NAD83, US SURVEY FEET.
4. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
5. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
6. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN ECP BMP TYPICAL DETAILS.

Waterbody ID	Waterbody Name	Flow Regime	Crossing Length (feet)	Stream Disturbance (acres)		State Water Quality Standard	State Fishery Classification	Crossing Method
				Temporary ROW	50' Permanent ROW			
SU-1D-S230	UNT to Wellmans Creek	Ephemeral	2	0	0.01	HQ-CWF	N/A	Conventional Bore

TROY L. KENNEDY JR
N.Y. PROFESSIONAL ENGINEER
NO. 69074

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-1D	ALIGNMENT SHEET

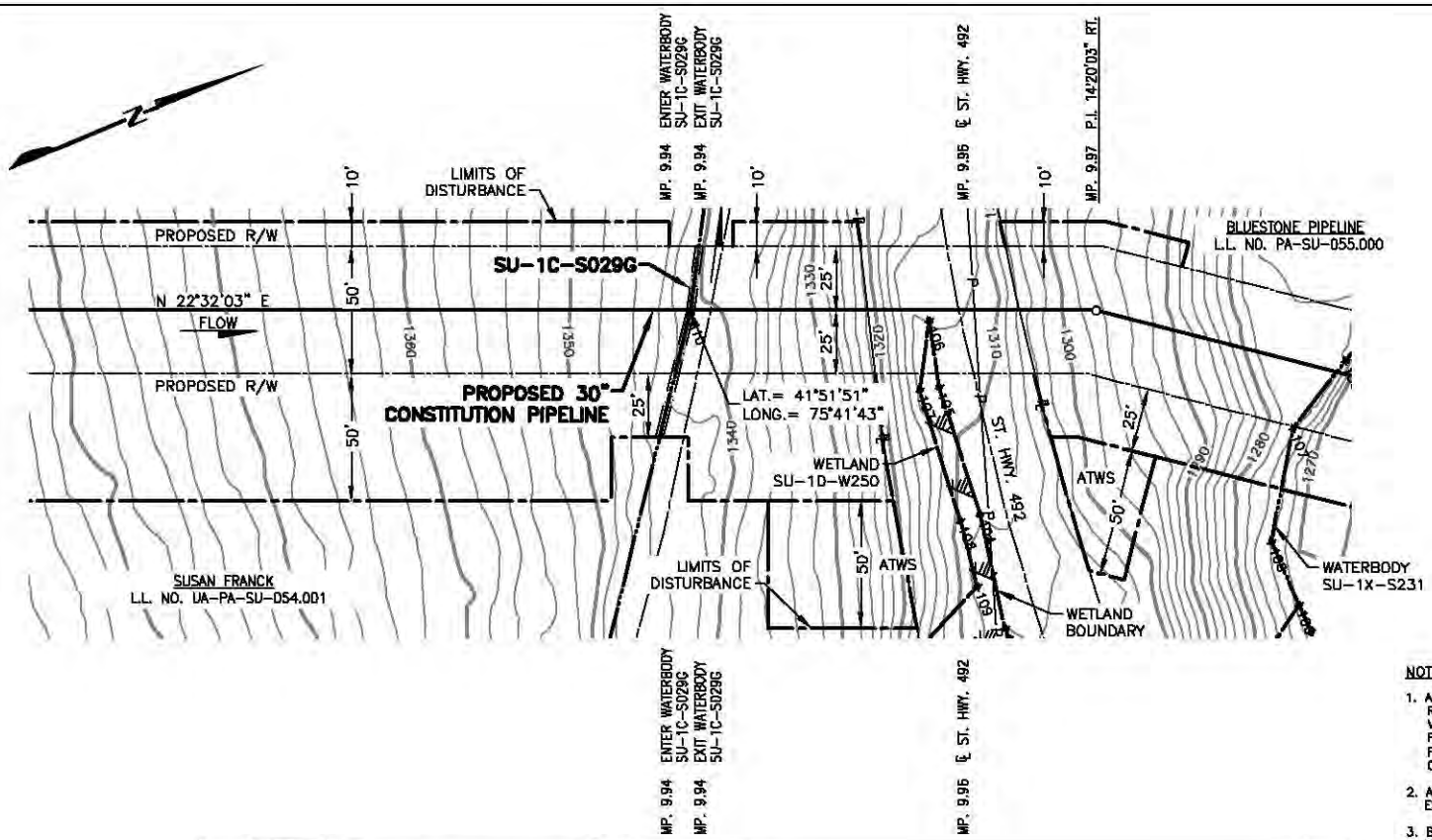
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	10-17-13	GIE	ISSUED FOR CLIENT REVIEW	1110415		
B	10-28-13	GIE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
D	10-31-13	GIE	ISSUE FOR USE	1110415		

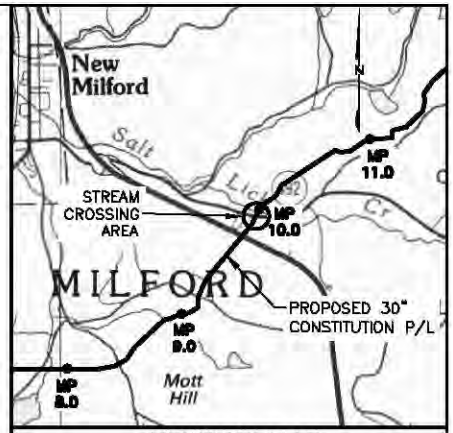
GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

APPLICATION NO.: NAN-2012-00449-UBR

CONSTITUTION PIPELINE COMPANY, LLC.
WATER OBSTRUCTION & ENCROACHMENT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
STREAM CROSSING SU-1D-S230 @ M.P. 9.24
NEW MILFORD TOWNSHIP
SUSQUEHANNA COUNTY, PENNSYLVANIA

DRAWN BY: GIE	DATE: 10-17-2013	ISSUED FOR BID:	SCALE: 1"= 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-09-70/SU-1D-S230-1-0	SHEET 16 OF 214
WO: 1110415			



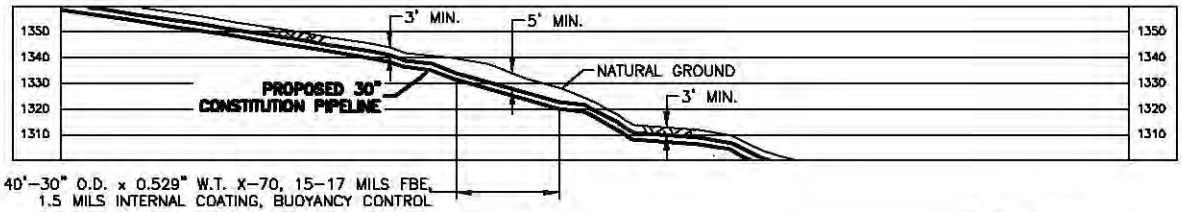


VICINITY MAP

USGS QUAD MAP: HONESDALE, PA.

5000' 0 5000'

SCALE IN FEET



PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

NOTES:

1. AFTER INSTALLATION OF THE PIPELINE, TRENCHES OUTSIDE THE CHANNEL SHALL BE RESTORED TO PRE-CONSTRUCTION ELEVATION AND STABILIZED WITH NATIVE VEGETATION. TRENCHES INSIDE THE CHANNEL SHALL BE BACKFILLED TO PRE-CONSTRUCTION ELEVATIONS. CLEAN ROCK OR NATIVE COBBLES WILL BE USED FOR THE UPPER ONE(1) FOOT OF TRENCH BACKFILL IN WATERBODIES THAT CONTAIN COLDWATER FISHERIES.
2. A MINIMUM CLEARANCE OF 24 INCHES BETWEEN THE PROPOSED PIPELINE AND ANY EXISTING FACILITIES WILL BE MAINTAINED.
3. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE UTM 18N NAD83, US SURVEY FEET.
4. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
5. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
6. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN ECP BMP TYPICAL DETAILS.

Waterbody ID	Waterbody Name	Flow Regime	Crossing Length (feet)	Stream Disturbance (acres)		State Water Quality Standard	State Fishery Classification	Crossing Method
				Temporary ROW	50' Permanent ROW			
SU-1C-S029G	UNT to Salt Lick Creek	Ephemeral	3		0.001	HQ-CWF	N/A	Dry

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER
NO. 69074

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-10	ALIGNMENT SHEET

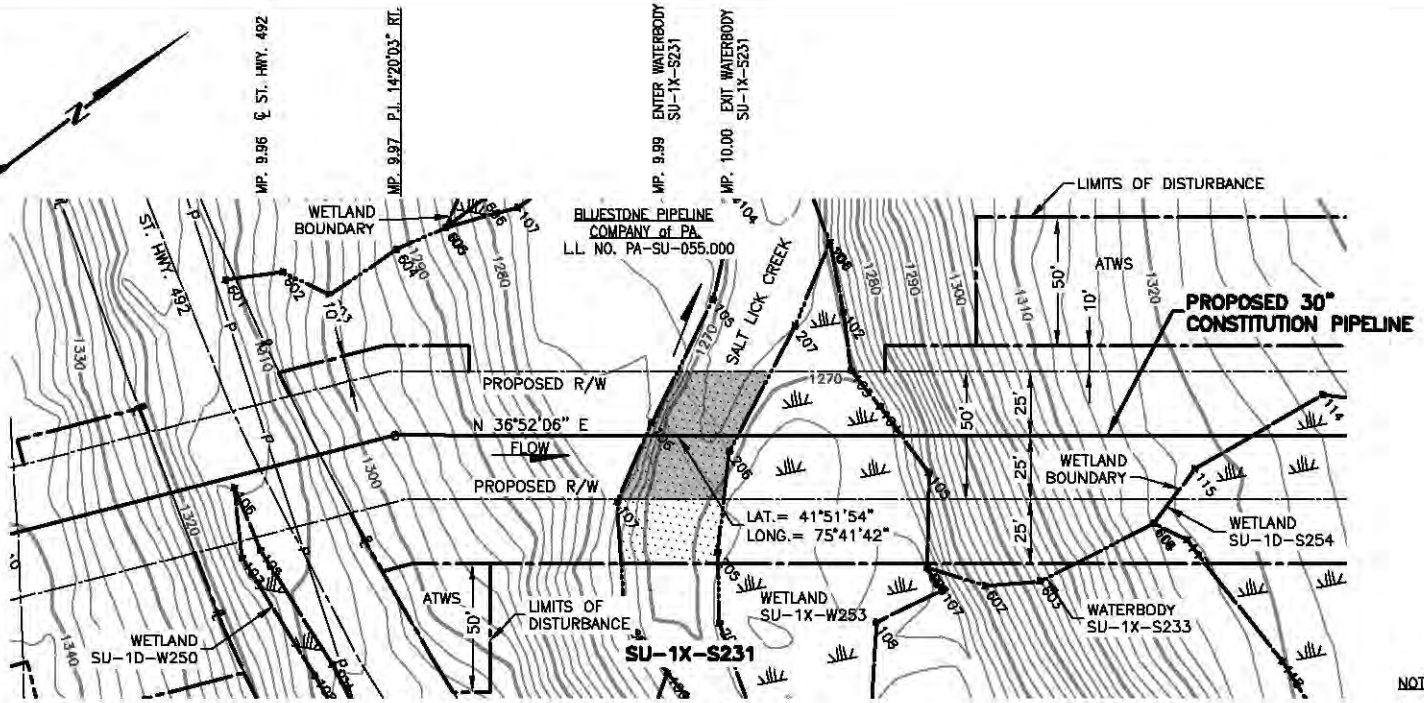
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	07-02-13	GIE	ISSUED FOR CLIENT REVIEW	1110415		
B	07-16-13	GIE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
D	08-06-13	GIE	ISSUE FOR USE	1110415		
1	09-12-13	GIE	REVISED - ISSUED FOR USE	1110415		
2	10-18-13	GIE	ISSUED FOR USE	1110415		

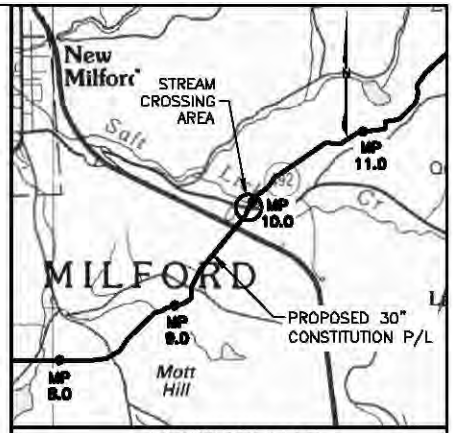
GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

APPLICATION NO.: NAN-2012-00449-UBR

CONSTITUTION PIPELINE COMPANY, LLC.
WATER OBSTRUCTION & ENCROACHMENT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
STREAM CROSSING SU-1C-S029G @ M.P. 9.94
NEW MILFORD TOWNSHIP
SUSQUEHANNA COUNTY, PENNSYLVANIA

DRAWN BY: GIE	DATE: 05-21-2013	ISSUED FOR BID:	SCALE: 1"= 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-09-70/SU-1C-S029G-1-2	SHEET 17 OF 214
WO: 1110415			



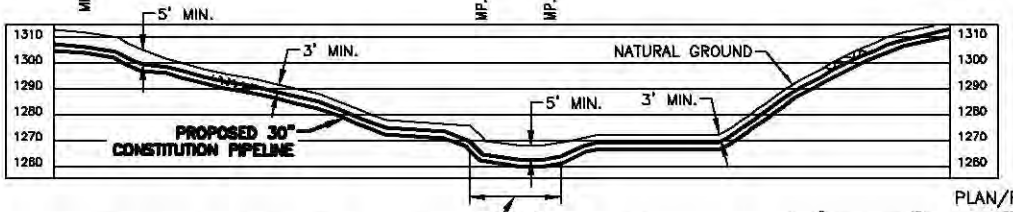


VICINITY MAP

USGS QUAD MAP: HONESDALE, PA.

5000' 0 5000'

SCALE IN FEET



30" O.D. x 0.562" W.T. X-70,15-17 MILS FBE, 1.5 MILS INTERNAL COATING, BUOYANCY CONTROL

PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

NOTES:

1. AFTER INSTALLATION OF THE PIPELINE, TRENCHES OUTSIDE THE CHANNEL SHALL BE RESTORED TO PRE-CONSTRUCTION ELEVATION AND STABILIZED WITH NATIVE VEGETATION. TRENCHES INSIDE THE CHANNEL SHALL BE BACKFILLED TO PRE-CONSTRUCTION ELEVATIONS. CLEAN ROCK OR NATIVE COBBLES WILL BE USED FOR THE UPPER ONE(1) FOOT OF TRENCH BACKFILL IN WATERBODIES THAT CONTAIN COLDWATER FISHERIES.
2. A MINIMUM CLEARANCE OF 24 INCHES BETWEEN THE PROPOSED PIPELINE AND ANY EXISTING FACILITIES WILL BE MAINTAINED.
3. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE UTM 18N NAD83, US SURVEY FEET.
4. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
5. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
6. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN ECP BMP TYPICAL DETAILS.

Waterbody ID	Waterbody Name	Flow Regime	Crossing Length (feet)	Stream Disturbance (acres)		State Water Quality Standard	State Fishery Classification	Crossing Method
				Temporary ROW	50' Permanent ROW			
SU-1X-S231	Salt Lick Creek	Perennial	36	0.023	0.042	HQ-CWF	Approved Trout Water	Dry

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER
NO. 69074

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-10	ALIGNMENT SHEET

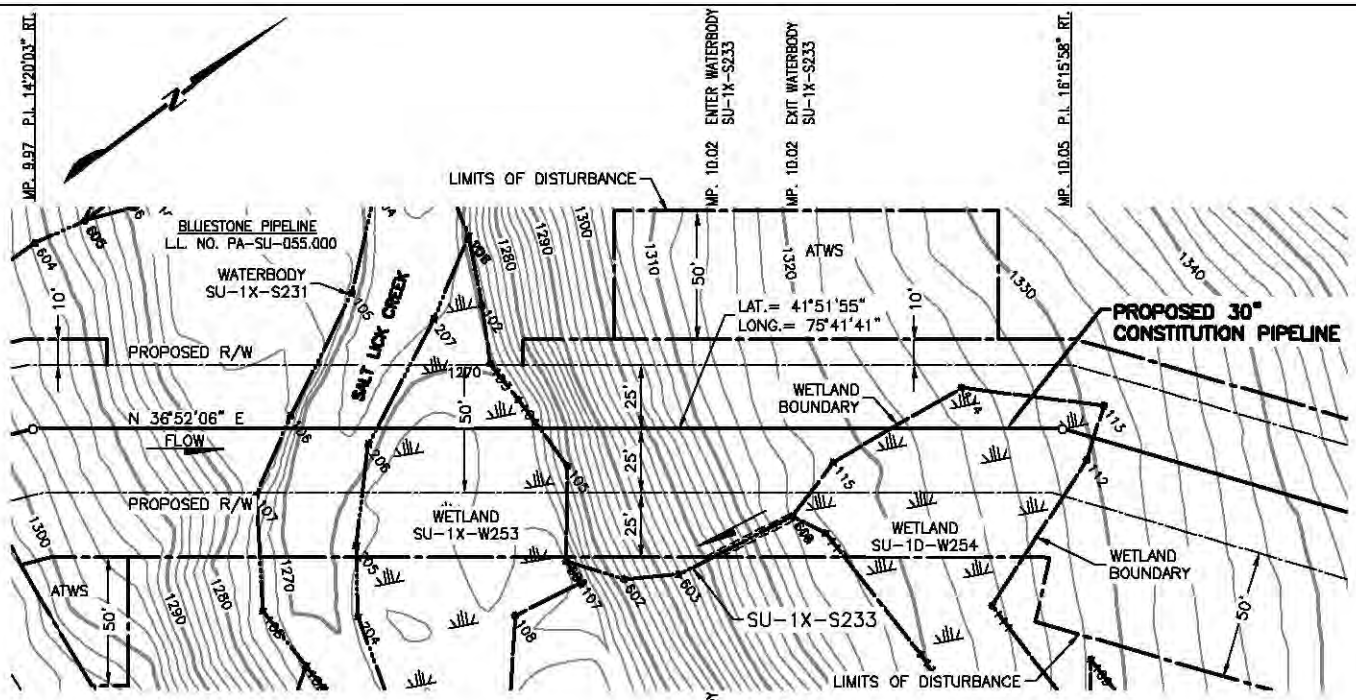
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	07-02-13	GIE	ISSUED FOR CLIENT REVIEW	1110415		
B	07-16-13	GIE	REVISED - ISSUE FOR CLIENT REVIEW	1110415		
D	08-06-13	GIE	ISSUE FOR USE	1110415		
1	09-12-13	GIE	REVISED - ISSUE FOR USE	1110415		
2	10-18-13	GIE	ISSUED FOR USE	1110415		

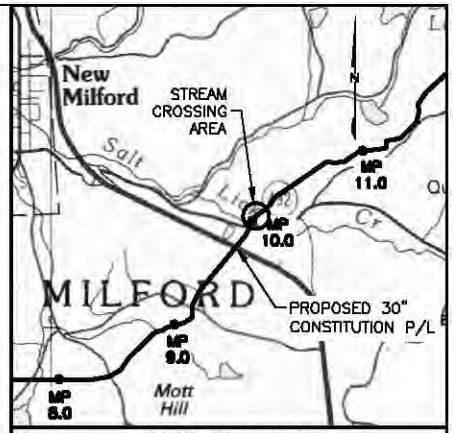
GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

APPLICATION NO.: NAN-2012-00449-UBR

CONSTITUTION PIPELINE COMPANY, LLC.
WATER OBSTRUCTION & ENCROACHMENT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
STREAM CROSSING SU-1X-S231 @ M.P. 9.99
NEW MILFORD TOWNSHIP
SUSQUEHANNA COUNTY, PENNSYLVANIA

DRAWN BY: GIE	DATE: 05-21-2013	ISSUED FOR BID:	SCALE: 1"= 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-09-70/SU-1X-S231-1-2	SHEET 18 OF 214
WO: 1110415			



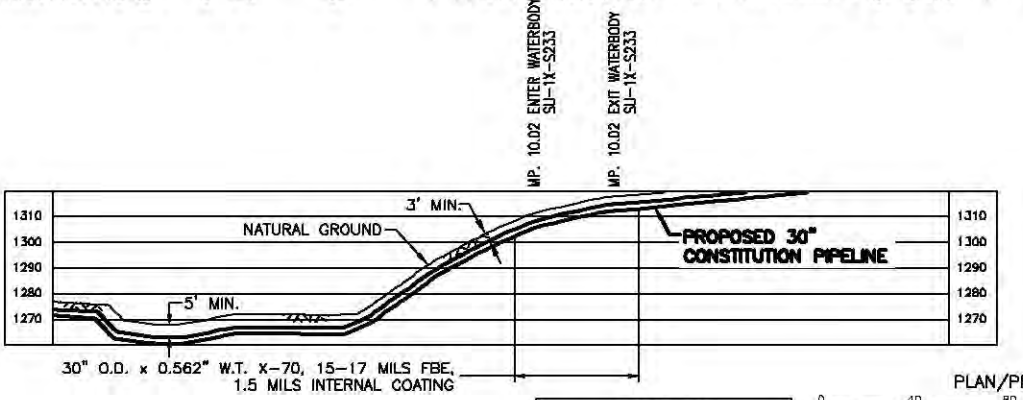


VICINITY MAP

USGS QUAD MAP: HONESDALE, PA.

5000' 0 5000'

SCALE IN FEET



NOTES:

1. AFTER INSTALLATION OF THE PIPELINE, TRENCHES OUTSIDE THE CHANNEL SHALL BE RESTORED TO PRE-CONSTRUCTION ELEVATION AND STABILIZED WITH NATIVE VEGETATION. TRENCHES INSIDE THE CHANNEL SHALL BE BACKFILLED TO PRE-CONSTRUCTION ELEVATIONS. CLEAN ROCK OR NATIVE COBBLES WILL BE USED FOR THE UPPER ONE(1) FOOT OF TRENCH BACKFILL IN WATERBODIES THAT CONTAIN COLDWATER FISHERIES.
2. A MINIMUM CLEARANCE OF 24 INCHES BETWEEN THE PROPOSED PIPELINE AND ANY EXISTING FACILITIES WILL BE MAINTAINED.
3. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE UTM 18N NAD83, US SURVEY FEET.
4. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
5. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
6. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN ECP BMP TYPICAL DETAILS.

PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

Waterbody ID	Waterbody Name	Flow Regime	Crossing Length (feet)	Stream Disturbance (acres) Temporary ROW	Stream Disturbance (acres) 50' Permanent ROW	State Water Quality Standard	State Fishery Classification	Crossing Method
SU-1X-S233	UNT TO Salt Lick Creek	Perennial	0	0.002		HQ-CWF	N/A	N/A

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER
NO. 69074

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-10	ALIGNMENT SHEET

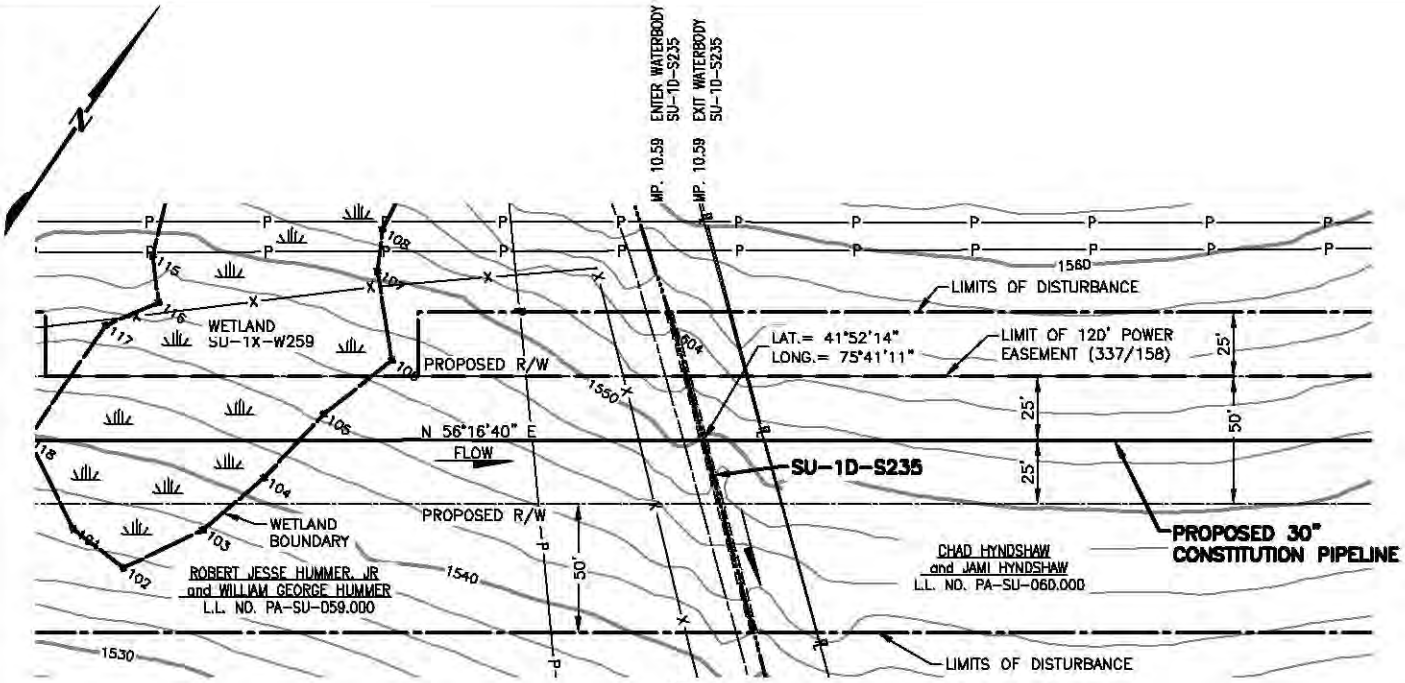
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
C	07-23-13	GIE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
D	07-27-13	GIE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
0	08-06-13	GIE	ISSUED FOR USE	1110415		
1	09-12-13	GIE	REVISED - ISSUED FOR USE	1110415		
2	10-24-13	GIE	ISSUE FOR USE	1110415		

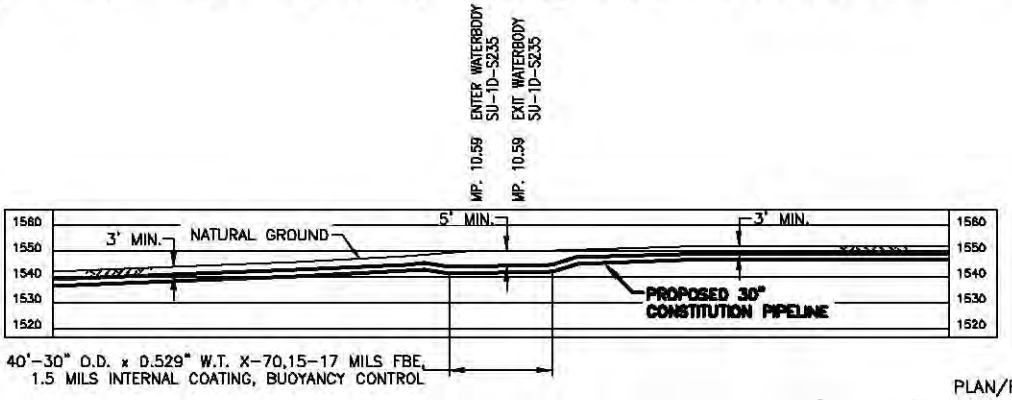
APPLICATION NO.: NAN-2012-00449-UBR

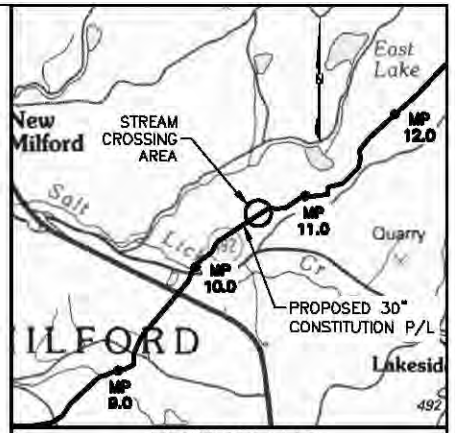
GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
WATER OBSTRUCTION & ENCROACHMENT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
STREAM CROSSING SU-1X-S233 @ M.P. 10.02
NEW MILFORD TOWNSHIP
SUSQUEHANNA COUNTY, PENNSYLVANIA

DRAWN BY: GIE	DATE: 05-22-2013	ISSUED FOR BID:	SCALE: 1"= 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-09-70/SU-1X-S233-1-2	SHEET 19 OF 214
WO: 1110415			







VICINITY MAP

USGS QUAD MAP: HONESDALE, PA.

5000' 0 5000'

SCALE IN FEET

NOTES:

1. AFTER INSTALLATION OF THE PIPELINE, TRENCHES OUTSIDE THE CHANNEL SHALL BE RESTORED TO PRE-CONSTRUCTION ELEVATION AND STABILIZED WITH NATIVE VEGETATION. TRENCHES INSIDE THE CHANNEL SHALL BE BACKFILLED TO PRE-CONSTRUCTION ELEVATIONS. CLEAN ROCK OR NATIVE COBBLES WILL BE USED FOR THE UPPER ONE(1) FOOT OF TRENCH BACKFILL IN WATERBODIES THAT CONTAIN COLDWATER FISHERIES.
2. A MINIMUM CLEARANCE OF 24 INCHES BETWEEN THE PROPOSED PIPELINE AND ANY EXISTING FACILITIES WILL BE MAINTAINED.
3. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE UTM 18N NAD83, US SURVEY FEET.
4. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
5. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
6. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN ECP BMP TYPICAL DETAILS.

Waterbody ID	Waterbody Name	Flow Regime	Crossing Length (feet)	Stream Disturbance (acres)		State Water Quality Standard	State Fishery Classification	Crossing Method
				Temporary ROW	50' Permanent ROW			
SU-1D-S235	UNT to Salt Lick Creek	Ephemeral	3	0.005	0.004	HQ-CWF	N/A	Dry

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER NO. 69074

PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-11	ALIGNMENT SHEET

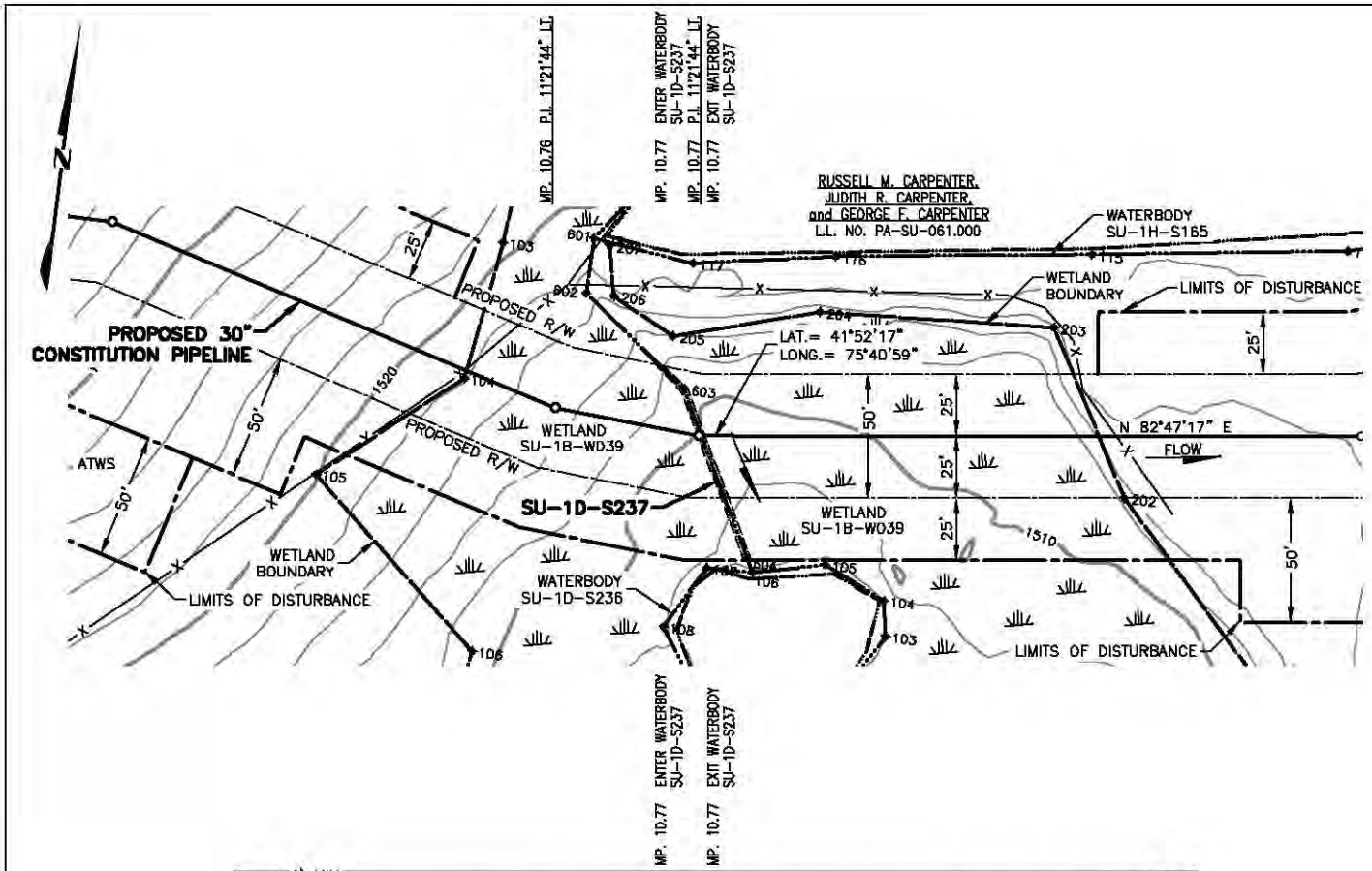
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	07-02-13	GIE	ISSUED FOR CLIENT REVIEW	1110415		
B	07-16-13	GIE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
D	08-06-13	GIE	ISSUED FOR USE	1110415		
1	09-13-13	GIE	REVISED - ISSUED FOR USE	1110415		
2	10-04-13	GIE	ISSUED FOR USE	1110415		

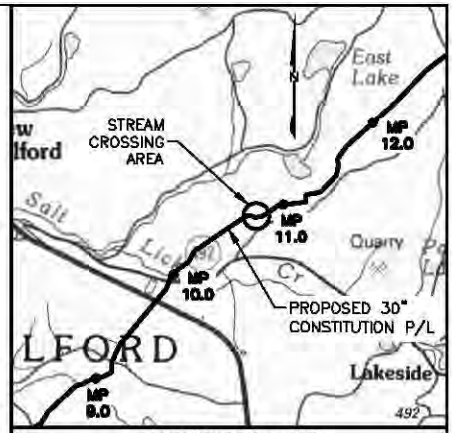
GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

APPLICATION NO.: NAN-2012-00449-UBR

CONSTITUTION PIPELINE COMPANY, LLC.
WATER OBSTRUCTION & ENCROACHMENT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
STREAM CROSSING SU-1D-S235 @ M.P. 10.59
NEW MILFORD TOWNSHIP
SUSQUEHANNA COUNTY, PENNSYLVANIA

DRAWN BY: GIE	DATE: 05-22-2013	ISSUED FOR BID:	SCALE: 1"= 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-09-70/SU-1D-S235-1-2	SHEET 20 OF 214
WO: 1110415			



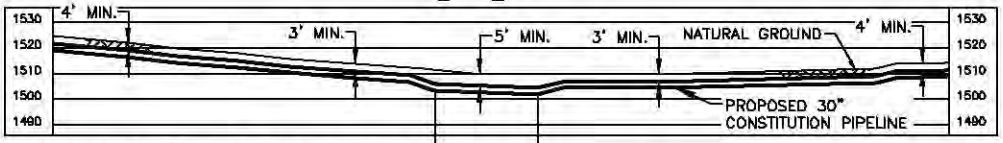


VICINITY MAP

USGS QUAD MAP: HONESDALE, PA.

5000' 0 5000'

SCALE IN FEET



40'-30" O.D. x 0.529" W.T. X-70,15-17 MILS FBE, 1.5 MILS INTERNAL COATING, BUOYANCY CONTROL

PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

NOTES:

1. AFTER INSTALLATION OF THE PIPELINE, TRENCHES OUTSIDE THE CHANNEL SHALL BE RESTORED TO PRE-CONSTRUCTION ELEVATION AND STABILIZED WITH NATIVE VEGETATION. TRENCHES INSIDE THE CHANNEL SHALL BE BACKFILLED TO PRE-CONSTRUCTION ELEVATIONS. CLEAN ROCK OR NATIVE COBBLES WILL BE USED FOR THE UPPER ONE(1) FOOT OF TRENCH BACKFILL IN WATERBODIES THAT CONTAIN COLDWATER FISHERIES.
2. A MINIMUM CLEARANCE OF 24 INCHES BETWEEN THE PROPOSED PIPELINE AND ANY EXISTING FACILITIES WILL BE MAINTAINED.
3. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE UTM 18N NAD83, US SURVEY FEET.
4. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
5. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
6. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN ECP BMP TYPICAL DETAILS.

Waterbody ID	Waterbody Name	Flow Regime	Crossing Length (feet)	Stream Disturbance (acres)		State Water Quality Standard	State Fishery Classification	Crossing Method
				Temporary ROW	50' Permanent ROW			
SU-1D-S237	UNT to Salt Lick Creek	Intermittent	3	0.01	0.01	HQ-CWF	N/A	Dry

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER
NO. 69074

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-11	ALIGNMENT SHEET

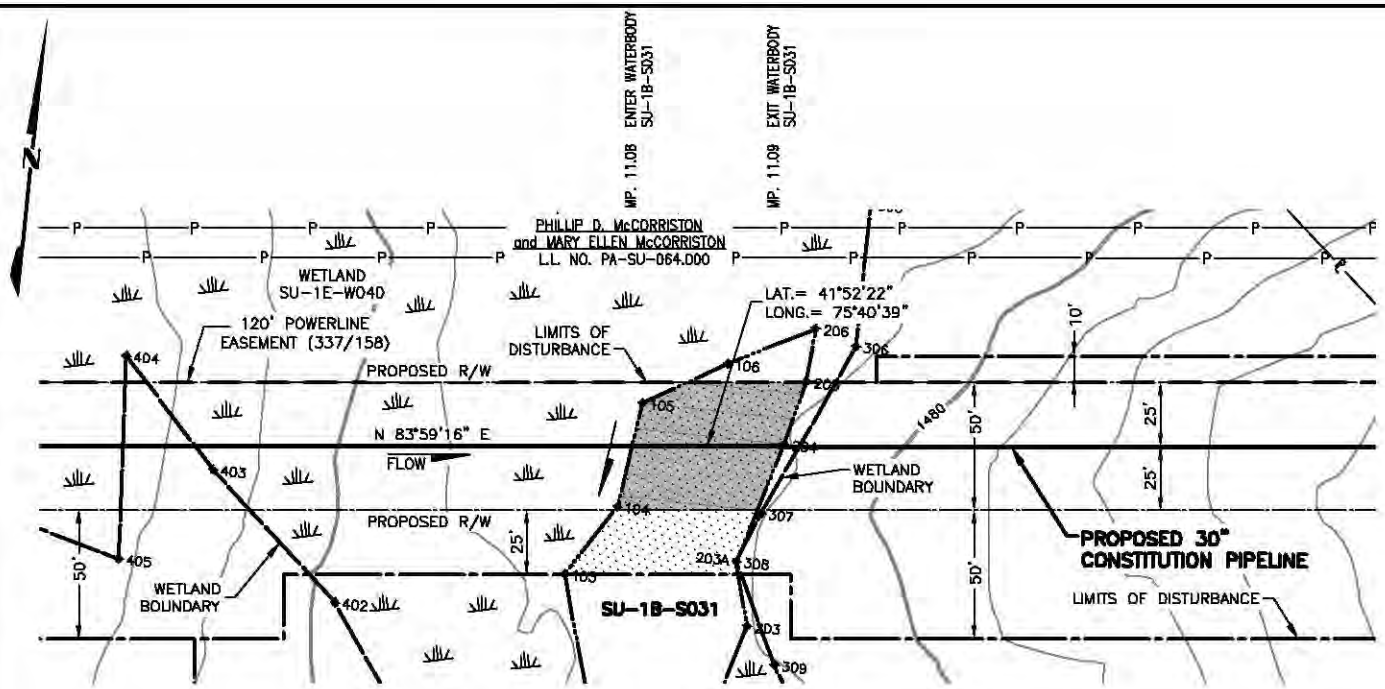
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
1	09-13-13	GIE	REVISED - ISSUE FOR USE	1110415		
2	10-03-13	GIE	REVISED - ISSUED FOR USE	1110415		
3	10-20-13	GIE	REVISED - ISSUED FOR USE	1110415		
4	10-29-13	GIE	REVISED - ISSUED FOR USE	1110415		
5	10-30-13	GIE	ISSUE FOR USE	1110415		

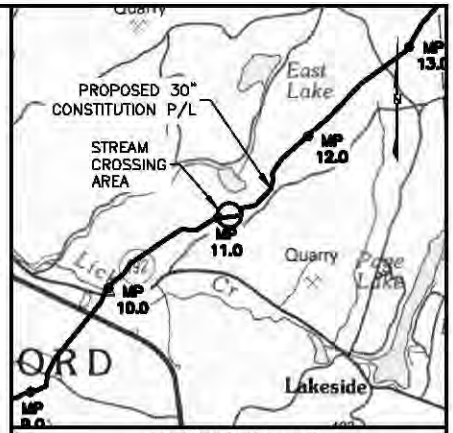
GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

APPLICATION NO.: NAN-2012-00449-UBR

CONSTITUTION PIPELINE COMPANY, LLC.
WATER OBSTRUCTION & ENCROACHMENT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
STREAM CROSSING SU-1D-S237 @ M.P. 10.77
NEW MILFORD TOWNSHIP
SUSQUEHANNA COUNTY, PENNSYLVANIA

DRAWN BY: GIE	DATE: 05-22-2013	ISSUED FOR BID:	SCALE: 1"= 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-09-70/SU-1D-S237-1-5	SHEET 21 OF 214
WO: 1110415			



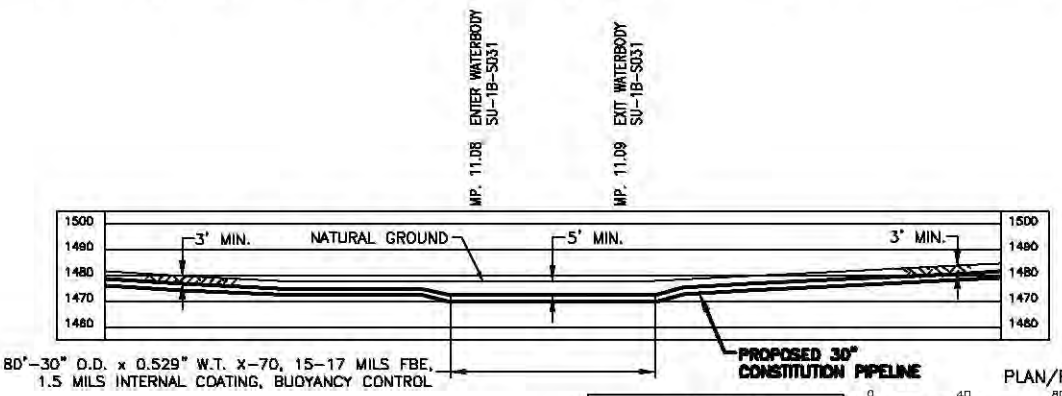


VICINITY MAP

USGS QUAD MAP: HONESDALE, PA.

5000' 0 5000'

SCALE IN FEET



PLAN/PROFILE

0 40 80 120 160

SCALE IN FEET

SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

NOTES:

1. AFTER INSTALLATION OF THE PIPELINE, TRENCHES OUTSIDE THE CHANNEL SHALL BE RESTORED TO PRE-CONSTRUCTION ELEVATION AND STABILIZED WITH NATIVE VEGETATION. TRENCHES INSIDE THE CHANNEL SHALL BE BACKFILLED TO PRE-CONSTRUCTION ELEVATIONS. CLEAN ROCK OR NATIVE COBBLES WILL BE USED FOR THE UPPER ONE(1) FOOT OF TRENCH BACKFILL IN WATERBODIES THAT CONTAIN COLDWATER FISHERIES.
2. A MINIMUM CLEARANCE OF 24 INCHES BETWEEN THE PROPOSED PIPELINE AND ANY EXISTING FACILITIES WILL BE MAINTAINED.
3. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE UTM 18N NAD83, US SURVEY FEET.
4. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
5. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
6. THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN ECP BMP TYPICAL DETAILS.

Waterbody ID	Waterbody Name	Flow Regime	Crossing Length (feet)	Stream Disturbance (acres)		State Water Quality Standard	State Fishery Classification	Crossing Method
				Temporary ROW	50' Permanent ROW			
SU-1B-S031	UNT to East Lake Creek	Intermittent	59	0.035	0.066	HQ-CWF	N/A	Dry

TROY L. KENNEDY JR

N.Y. PROFESSIONAL ENGINEER
NO. 69074

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-11	ALIGNMENT SHEET

NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
D	08-21-13	GIE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
0	08-21-13	GIE	ISSUE FOR USE	1110415		
1	10-10-13	GIE	REVISED - ISSUE FOR USE	1110415		
2	10-28-13	GIE	REVISED - ISSUE FOR USE	1110415		
3	10-31-13	GIE	ISSUE FOR USE	1110415		

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

APPLICATION NO.: NAN-2012-00449-UBR

CONSTITUTION PIPELINE COMPANY, LLC.
WATER OBSTRUCTION & ENCROACHMENT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
STREAM CROSSING SU-1B-S031 @ M.P. 11.08
NEW MILFORD TOWNSHIP
SUSQUEHANNA COUNTY, PENNSYLVANIA

DRAWN BY: GIE	DATE: 05-22-2013	ISSUED FOR BID:	SCALE: 1" = 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-09-70/SU-1B-S031-1-3	SHEET 22 OF 214
WO: 1110415			