

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 EDP 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 ACRESAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY); OPERATION ACRESAGE = 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				
DE-1F-W075	PFO	192	0.00				0.00		N/A	N	HDD

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

PLAN/PROFILE

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

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-56	ALIGNMENT SHEET

NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
B	08-17-13	GE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
C	08-20-13	GE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
D	08-21-13	GE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
E	08-21-13	GE	ISSUE FOR USE	1110415		
F	11-01-13	GE	ISSUE FOR USE	1110415		

APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
 HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
 ACOE & NYSDC JOINT PERMIT
 PROPOSED 30" NATURAL GAS PIPELINE
 WETLAND CROSSING DE-1F-W075 @ M.P. 55.07
 TOWN OF SIDNEY
 DELAWARE COUNTY, NEW YORK

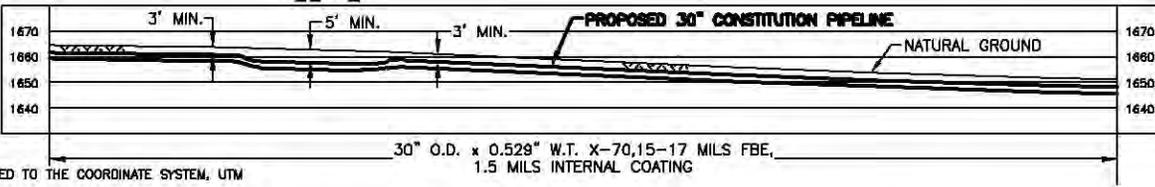
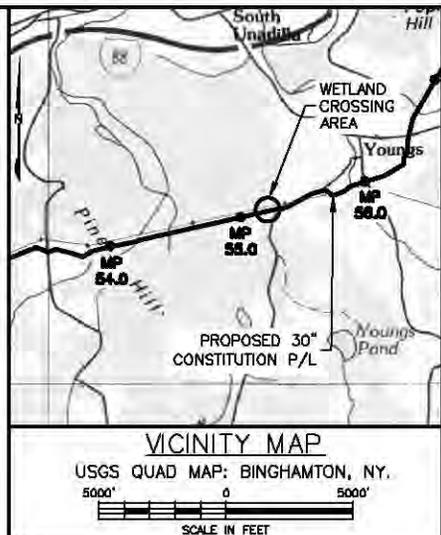
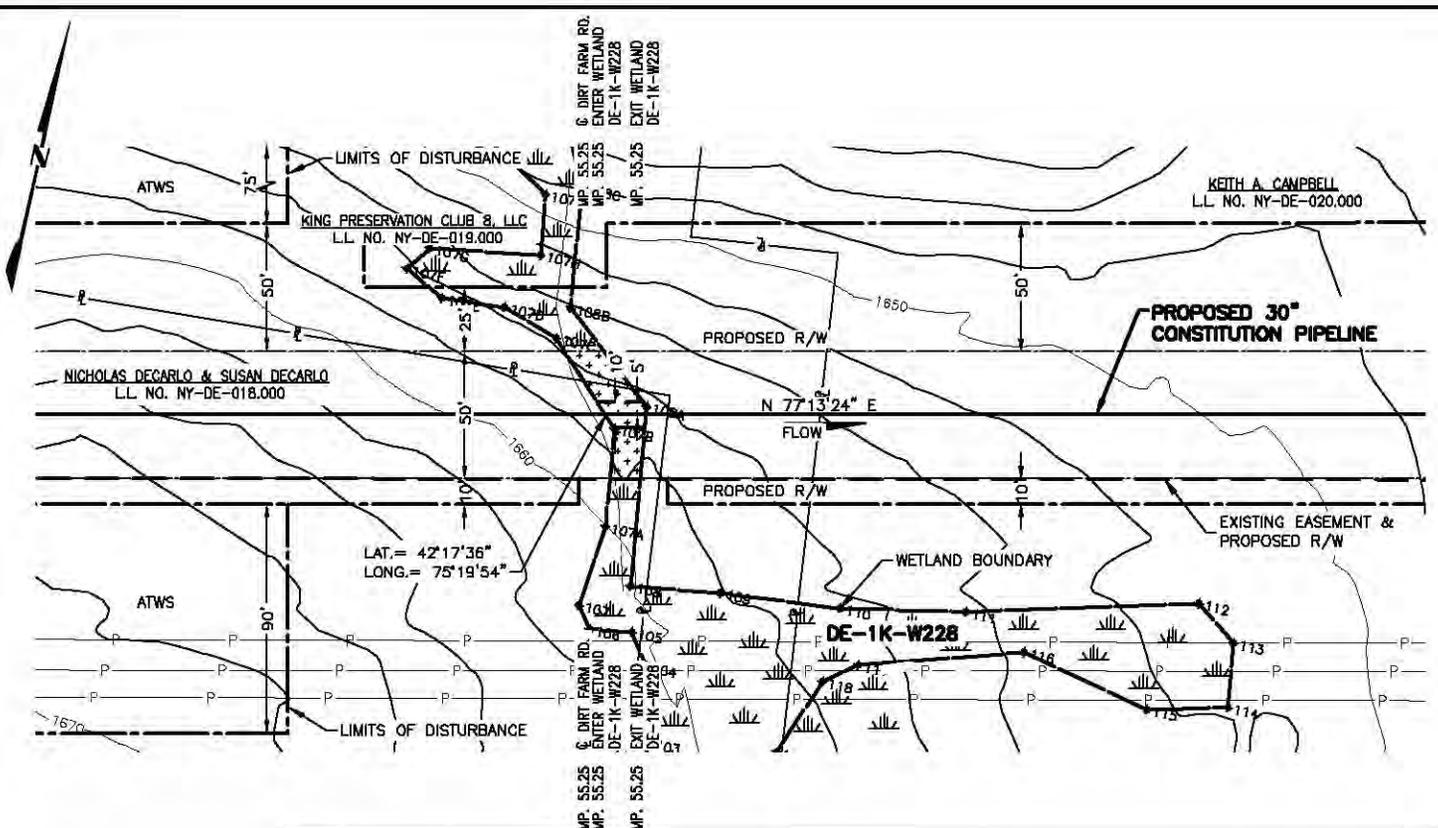
ISSUED FOR CONSTRUCTION: 04-13-2013

DRAWN BY: GIE DATE: 04-13-2013 ISSUED FOR BID: SCALE: 1" = 80'

CHECKED BY: DATE: ISSUED FOR CONSTRUCTION:

APPROVED BY: DATE: DRAWING NUMBER: 26-20-85/DE-1F-W075-1-1 SHEET 193 OF 362

W.O. 1110415



- NOTES:**
1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
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			Construction		Operation					
			PFO	PSS	PEM	PFO	PSS			
DE-1K-W228	PEM	16.00			0.03			N/A	N	Conventional

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A	10-18-13	GE	ISSUED FOR CLIENT REVIEW	1110415		
B	10-29-13	GE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
C	10-30-13	GE	ISSUE FOR USE	1110415		

APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
 HOUSTON, TEXAS

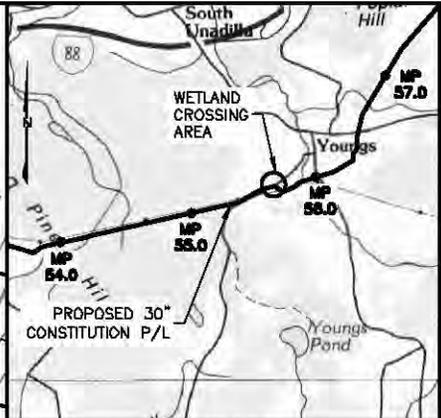
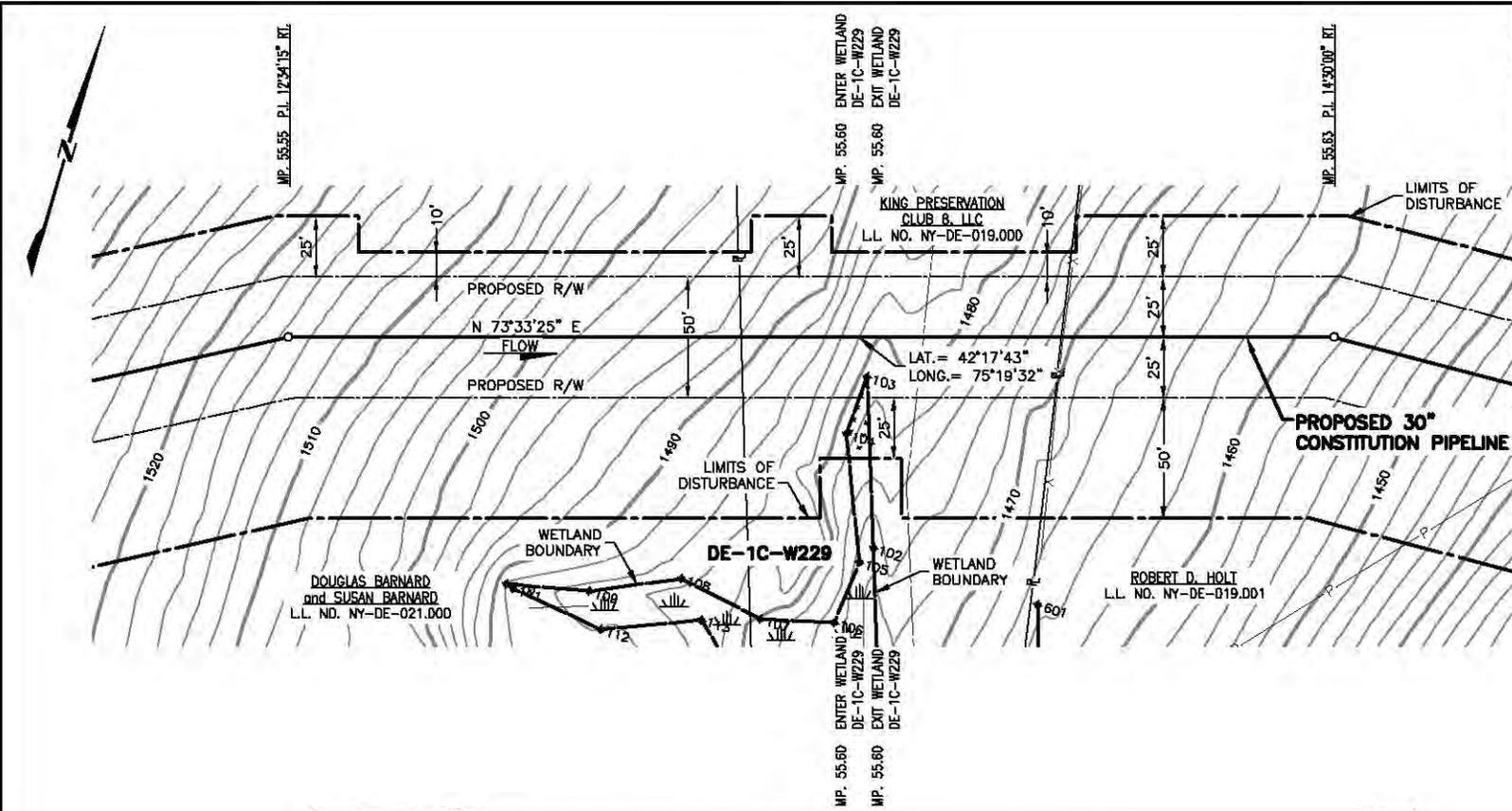
CONSTITUTION PIPELINE COMPANY, LLC.
 ACOE & NYSDEC JOINT PERMIT
 PROPOSED 30" NATURAL GAS PIPELINE
 WETLAND CROSSING DE-1K-W228 @ N.P. 55.25
 TOWN OF SIDNEY
 DELAWARE COUNTY, NEW YORK

DRAWN BY: GIE DATE: 10-18-2013 ISSUED FOR BID: SCALE: 1" = 80'

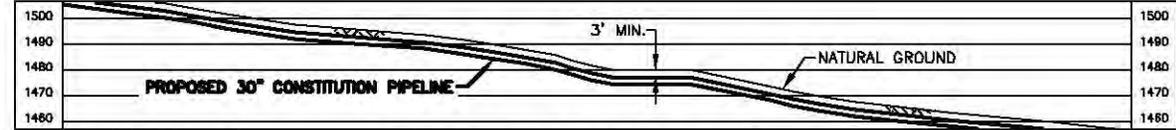
CHECKED BY: DATE: ISSUED FOR CONSTRUCTION:

APPROVED BY: DATE: DRAWING NUMBER: 26-20-85/DE-1K-W228-1-0 SHEET 194 OF 362

W.O. NO. 1110415



VICINITY MAP
 USGS QUAD MAP: BINGHAMTON, NY.
 5000' 0 5000'
 SCALE IN FEET



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

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				
DE-1C-W229	PEM	0			0.01				N/A	N	N/A

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D	08-19-13	GE	ISSUE FOR USE	1110415		
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 HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
 ACOE & NYSDEC JOINT PERMIT
 PROPOSED 30" NATURAL GAS PIPELINE
 WETLAND CROSSING DE-1C-W229 @ M.P. 55.6D
 TOWN OF SIDNEY
 DELAWARE COUNTY, NEW YORK

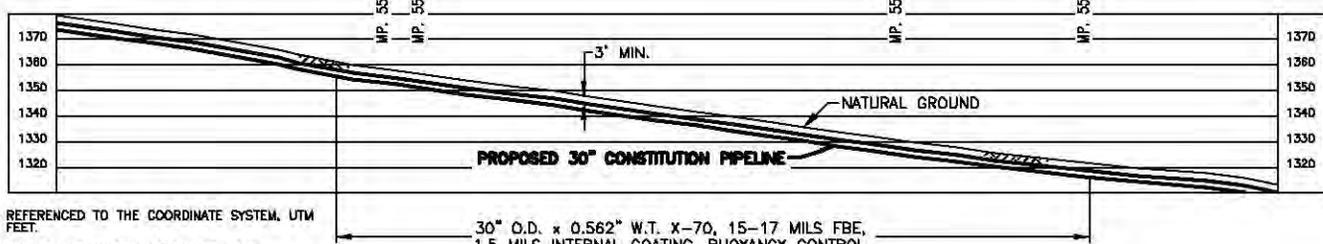
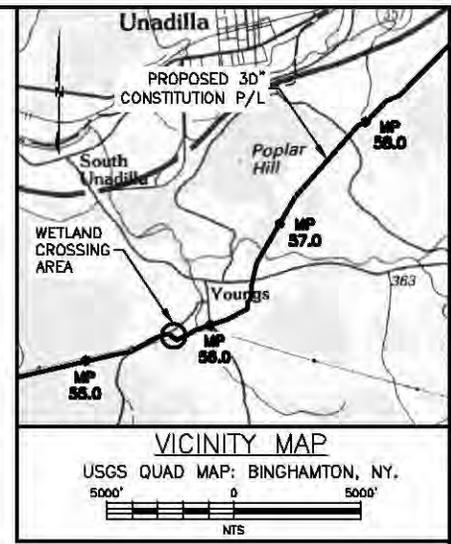
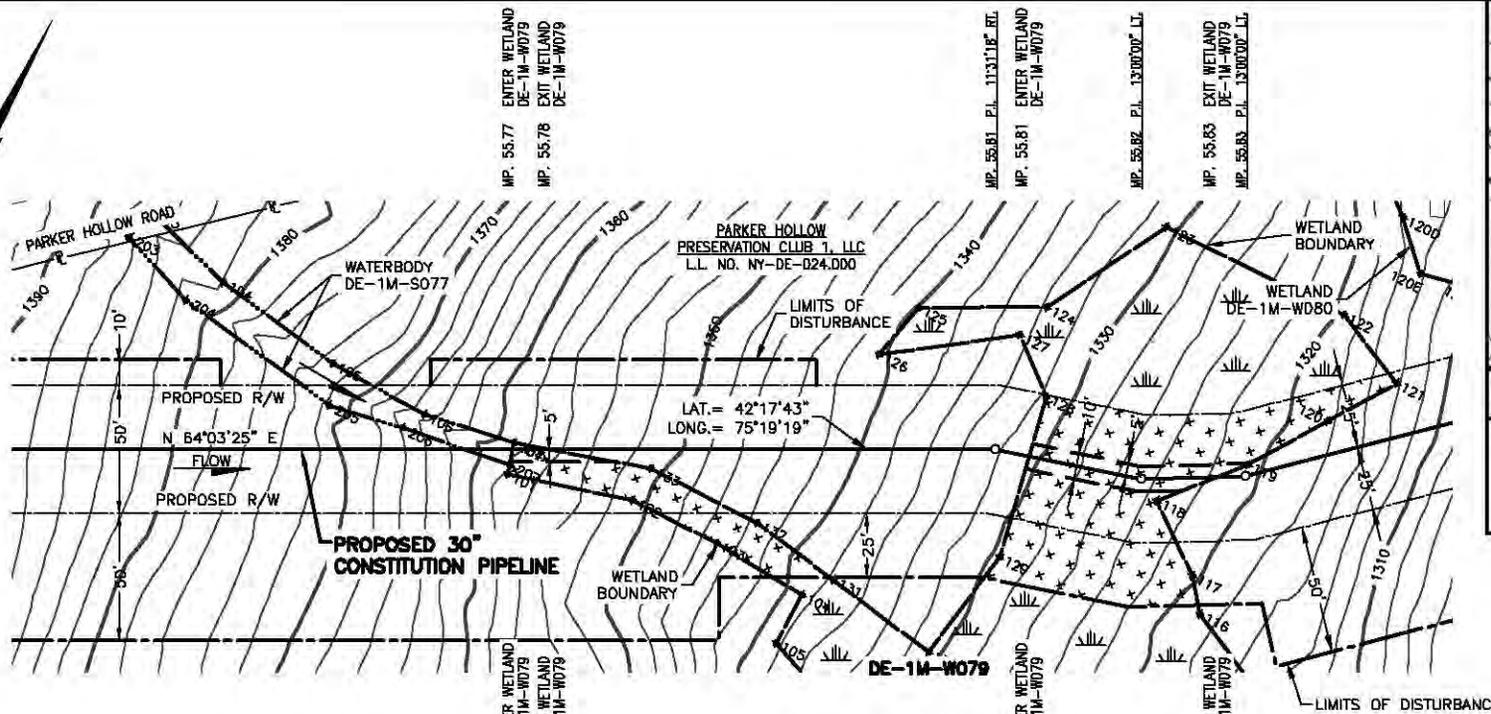
CONSTITUTION PIPELINE

DRAWN BY: GIE DATE: 04-12-2013 ISSUED FOR BID: SCALE: 1" = 80'

CHECKED BY: DATE: ISSUED FOR CONSTRUCTION:

APPROVED BY: DATE: DRAWING NUMBER: 26-20-85/DE-1C-W229-1-2 SHEET 195 OF 362

WC: 1110415



NOTES:

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			Construction		Operation					
			PFO	PSS	PEM	PFO	PSS			
DE-1M-W079	PEM	88			0.18			N/A	N	Conventional

TROY L. KENNEDY JR.
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 NO. 69074

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26-26-70/0001-57	ALIGNMENT SHEET

NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	08-11-13	BE	ISSUED FOR CLIENT APPROVAL	1110415		
B	08-15-13	BE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
0	08-17-13	BE	REVISED - ISSUE FOR USE	1110415		
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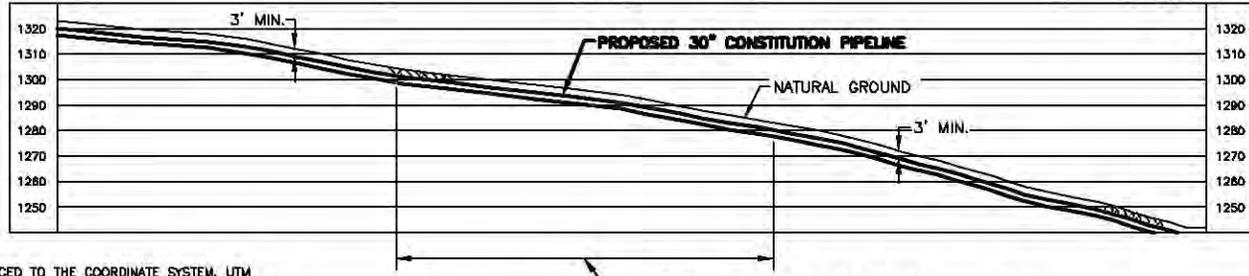
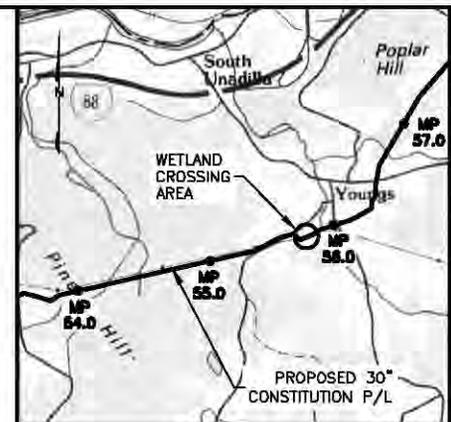
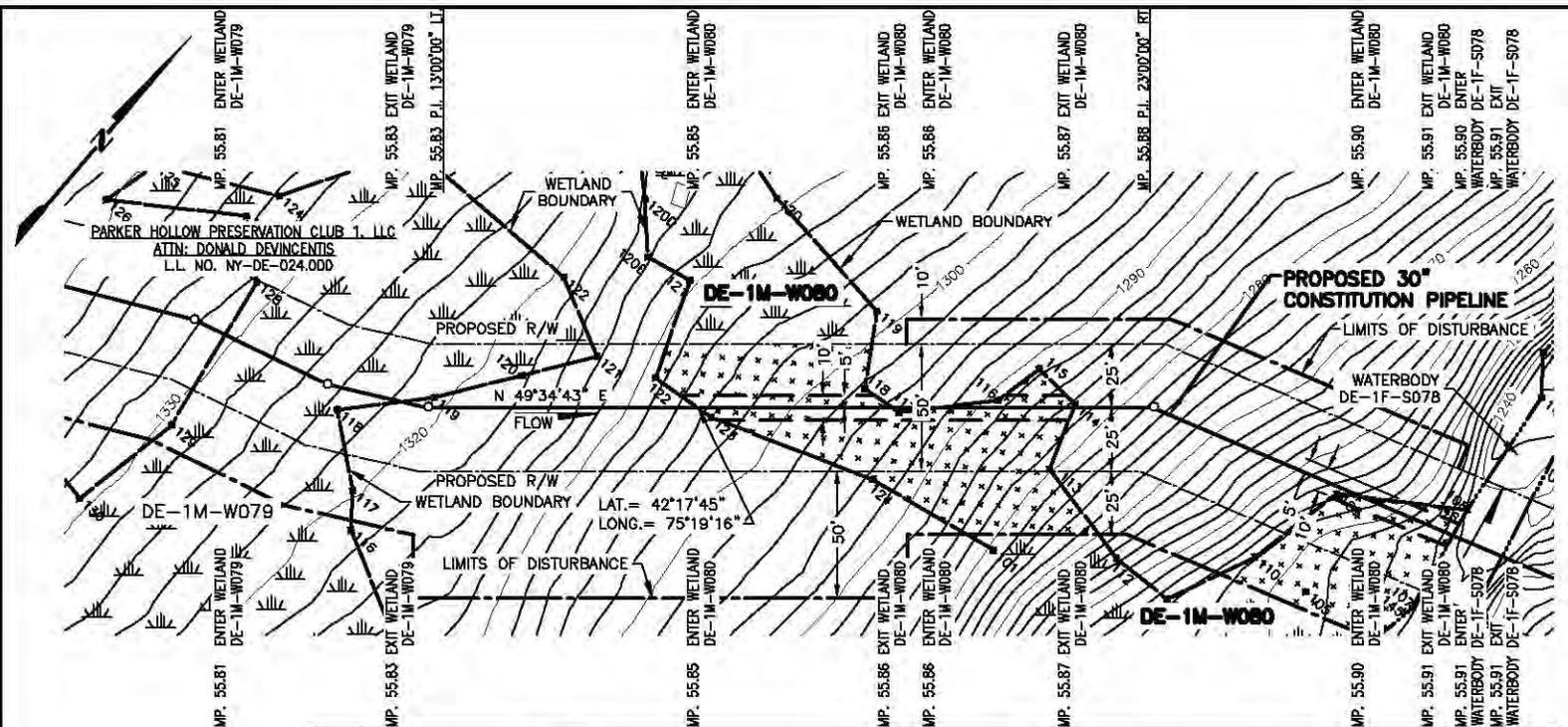
APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
 HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
 ACOE & NYSDEC JOINT PERMIT
 PROPOSED 30" NATURAL GAS PIPELINE
 WETLAND CROSSING DE-1M-W079 @ M.P. 55.77
 TOWN OF SIDNEY
 DELAWARE COUNTY, NEW YORK

CONSTITUTION PIPELINE COMPANY, LLC. LOGO

DRAWN BY: GIE	DATE: 04-11-2013	ISSUED FOR BID:	SCALE: 1" = 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/DE-1M-W079-1-2	SHEET 196 OF 362
W.O. 1110415			



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			PFO	PSS	PEM	PFO	PSS			
DE-1M-W080	PEM	170			0.23			N/A	N	CONVENTIONAL

TROY L. KENNEDY JR.
 N.Y. PROFESSIONAL ENGINEER
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D	10-30-13	GE	ISSUE FOR USE	1110415		

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 HOUSTON, TEXAS

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 TOWN OF SIDNEY
 DELAWARE COUNTY, NEW YORK

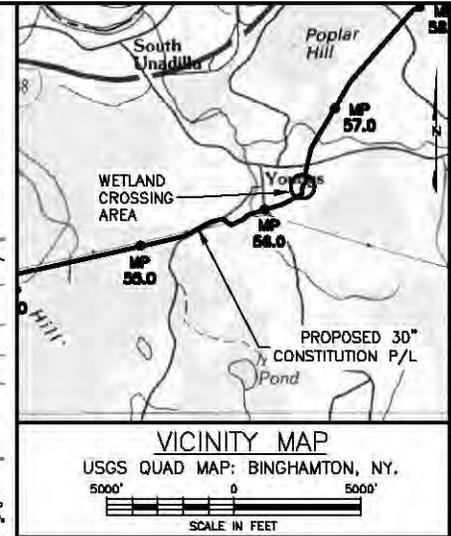
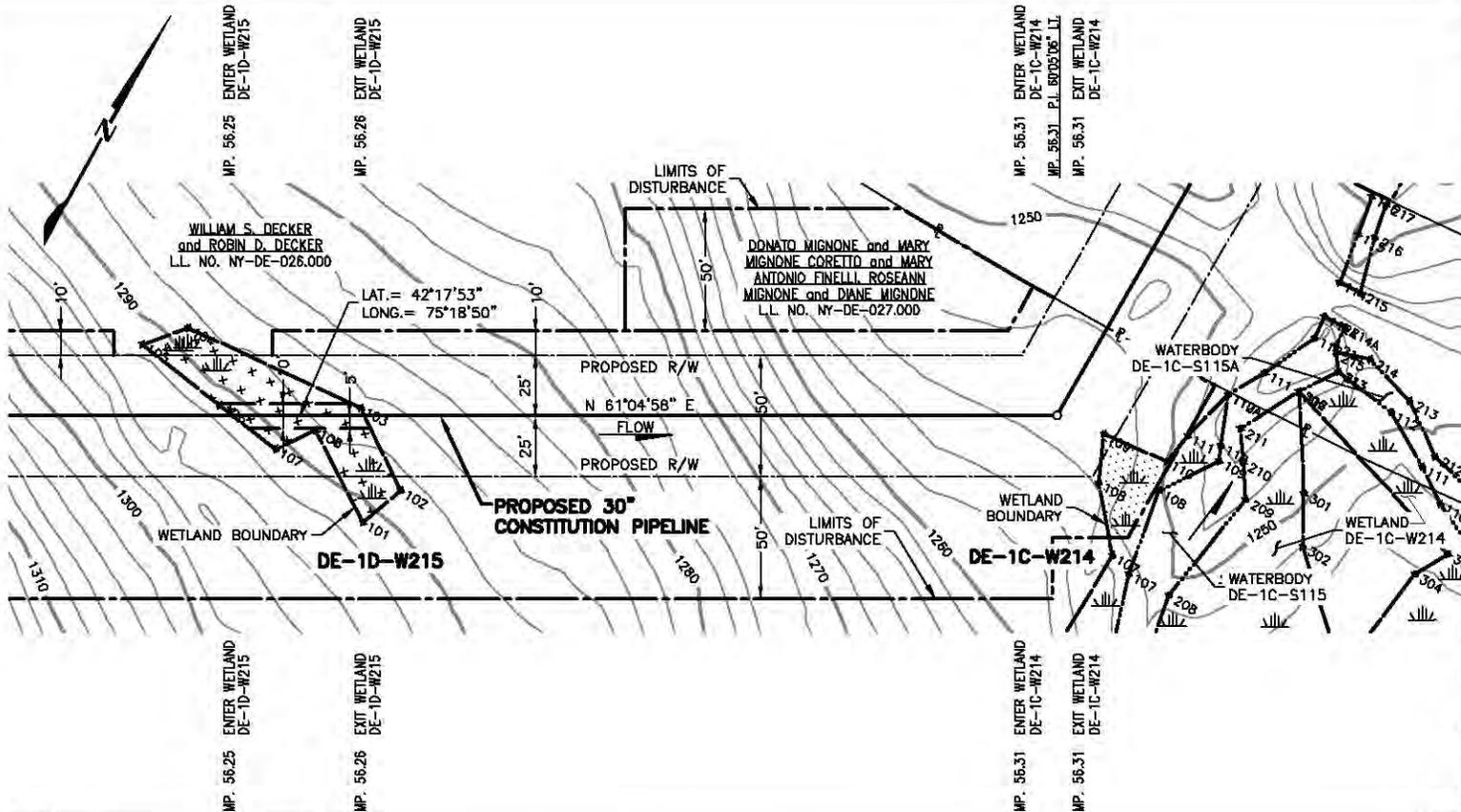
ISSUED FOR CONSTRUCTION

DRAWN BY: GIE DATE: 10-20-2013 ISSUED FOR BID: SCALE: 1" = 80'

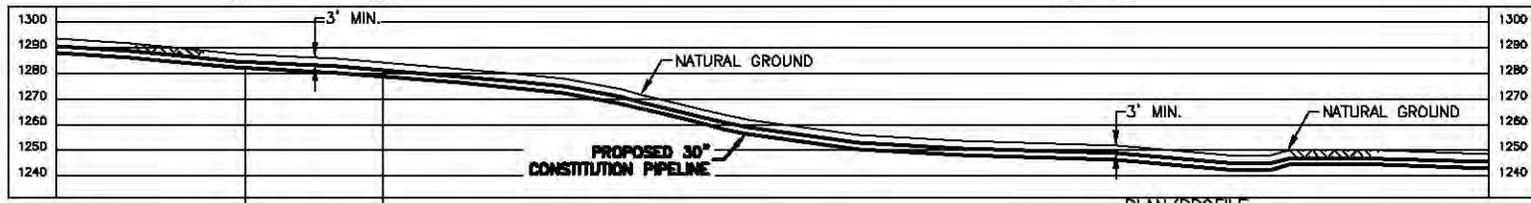
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30" O.D. x D.562" W.T. X-70,15-17 MILS FBE, 2 MILS INTERNAL COATING, BUOYANCY CONTROL

TROY L. KENNEDY JR.

N.Y. PROFESSIONAL ENGINEER
NO. 69074

0 40 80 120 160

SCALE IN FEET

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0	08-18-13	GE	REMOVED - ISSUED FOR CLIENT REVIEW	1110415		
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HOUSTON, TEXAS

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ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
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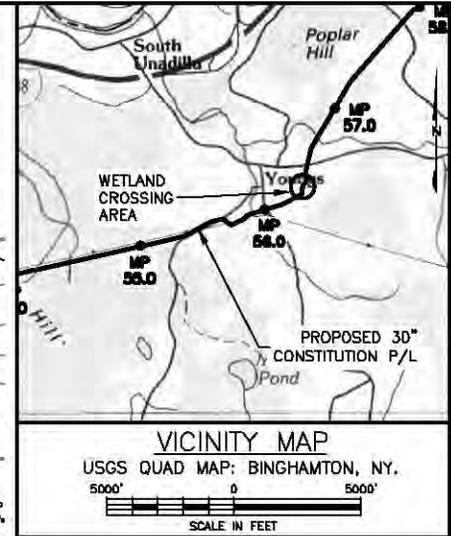
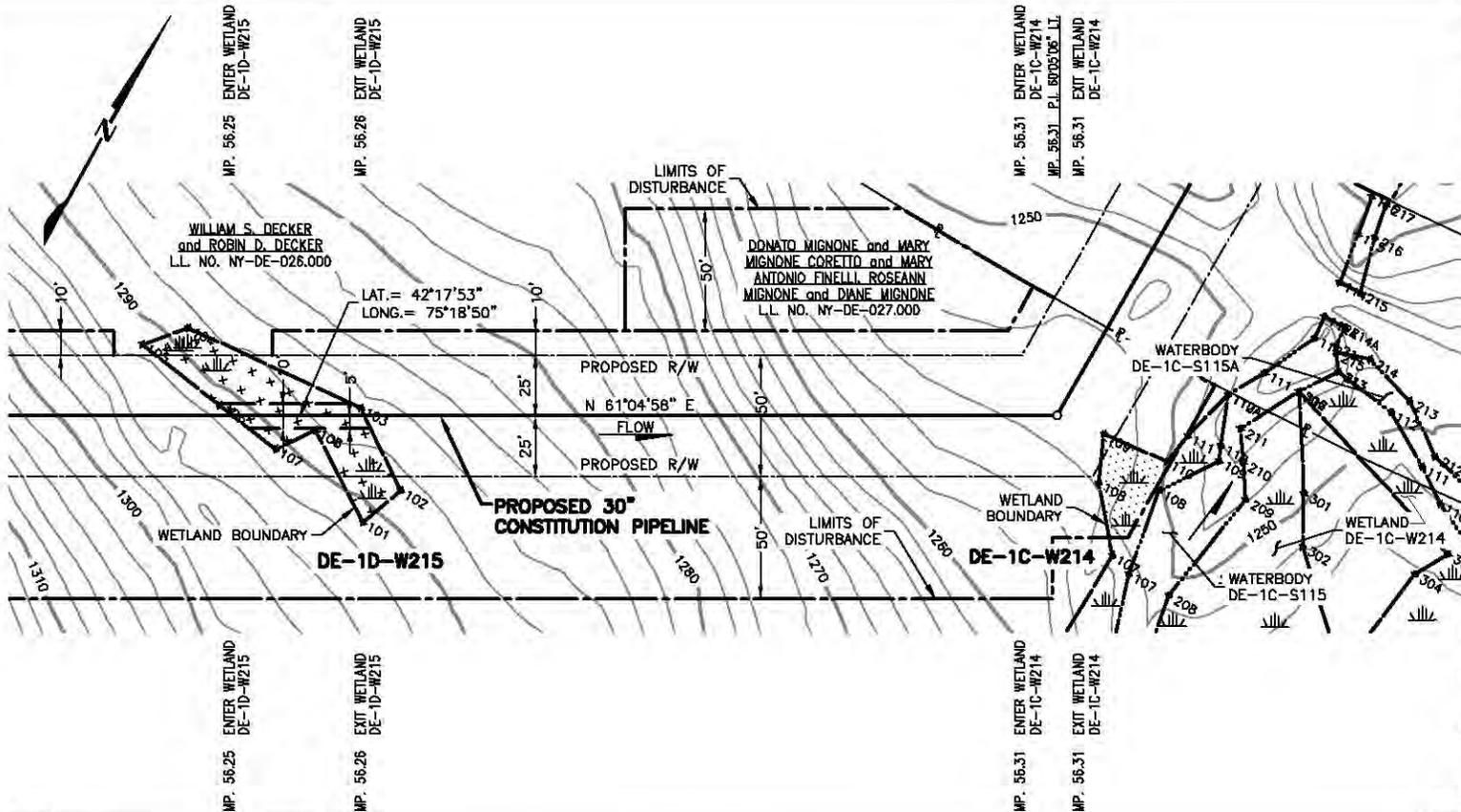
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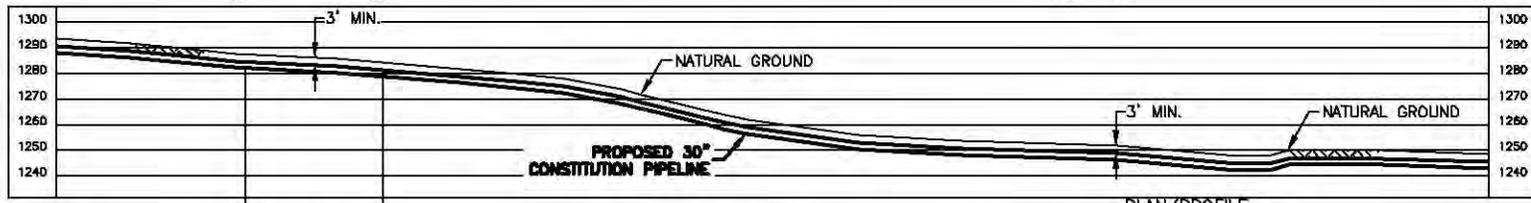
APPROVED BY: DATE: DRAWING NUMBER: 26-20-85/DE-1D-W215-1-2 SHEET 198 OF 362

W.O. 1110415

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			
DE-1D-W215	PEM	54			0.05			N/A	N	Conventional
DE-1C-W214	PSS	0		0.02				N/A	N	N/A



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30" O.D. x D.562" W.T. x-70,15-17 MILS FBE, 2 MILS INTERNAL COATING, BUOYANCY CONTROL

TROY L. KENNEDY JR.
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 NO. 69074

0 40 80 120 180
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 PROPOSED 30" NATURAL GAS PIPELINE
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 DELAWARE COUNTY, NEW YORK

SCALE: 1" = 80'

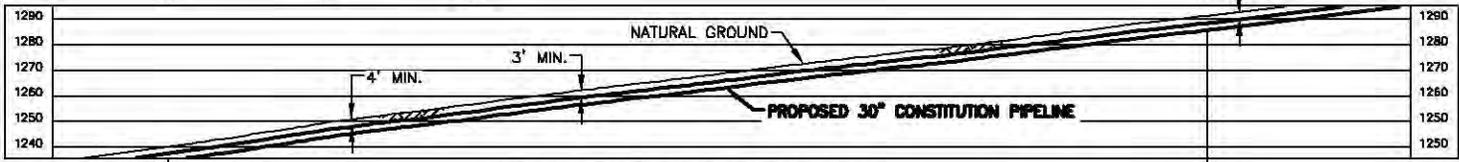
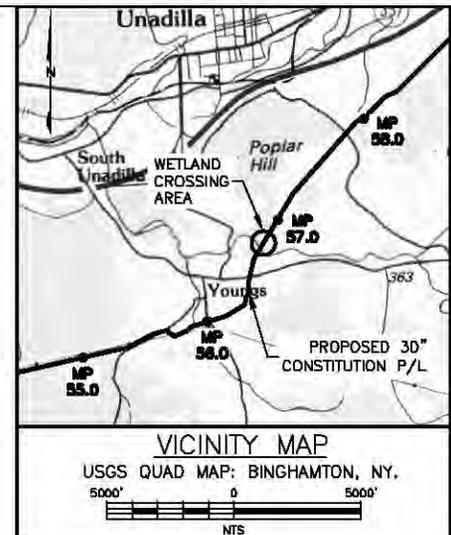
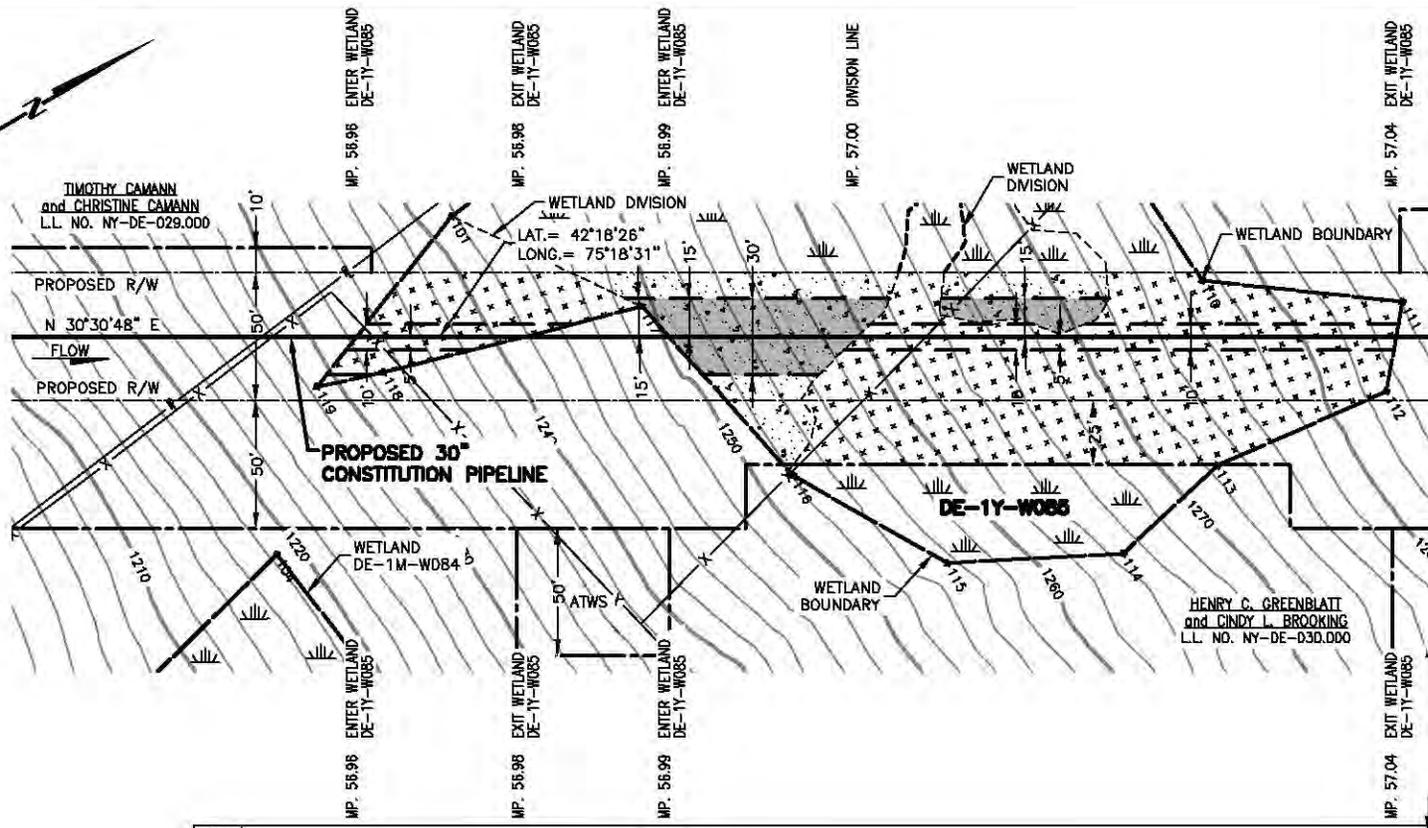
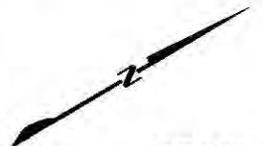
DRAWN BY: GTE DATE: 04-10-2013 ISSUED FOR BID: SCALE: 1" = 80'

CHECKED BY: DATE: ISSUED FOR CONSTRUCTION:

APPROVED BY: DATE: DRAWING NUMBER: 26-20-85/DE-1D-W215-1-2 SHEET 198 OF 362

W.O. 1110415

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			
DE-1D-W215	PEM	54			0.05			N/A	N	Conventional
DE-1C-W214	PSS	0		0.02				N/A	N	N/A



NOTES:

1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD83 US SURVEY FEET.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD83 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 EDP 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 PFD WETLANDS.

30" O.D. x D.562" W.T. x-7D, 15-17 MILS FBE,
1.5 MILS INTERNAL COATING, BUOYANCY CONTROL

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			
DE-1Y-W085	PFO/PEM	351	0.13		0.37	0.06	N/A	N	Conventional	

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

PLAN/PROFILE

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

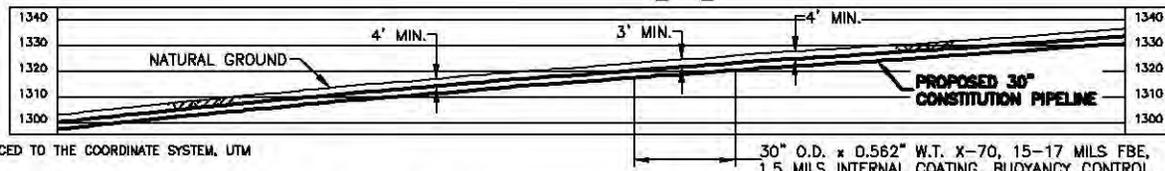
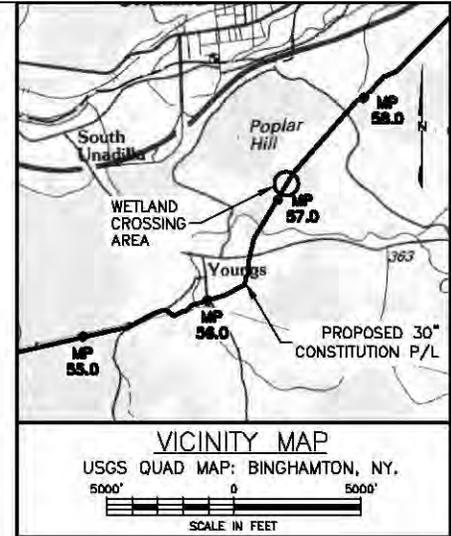
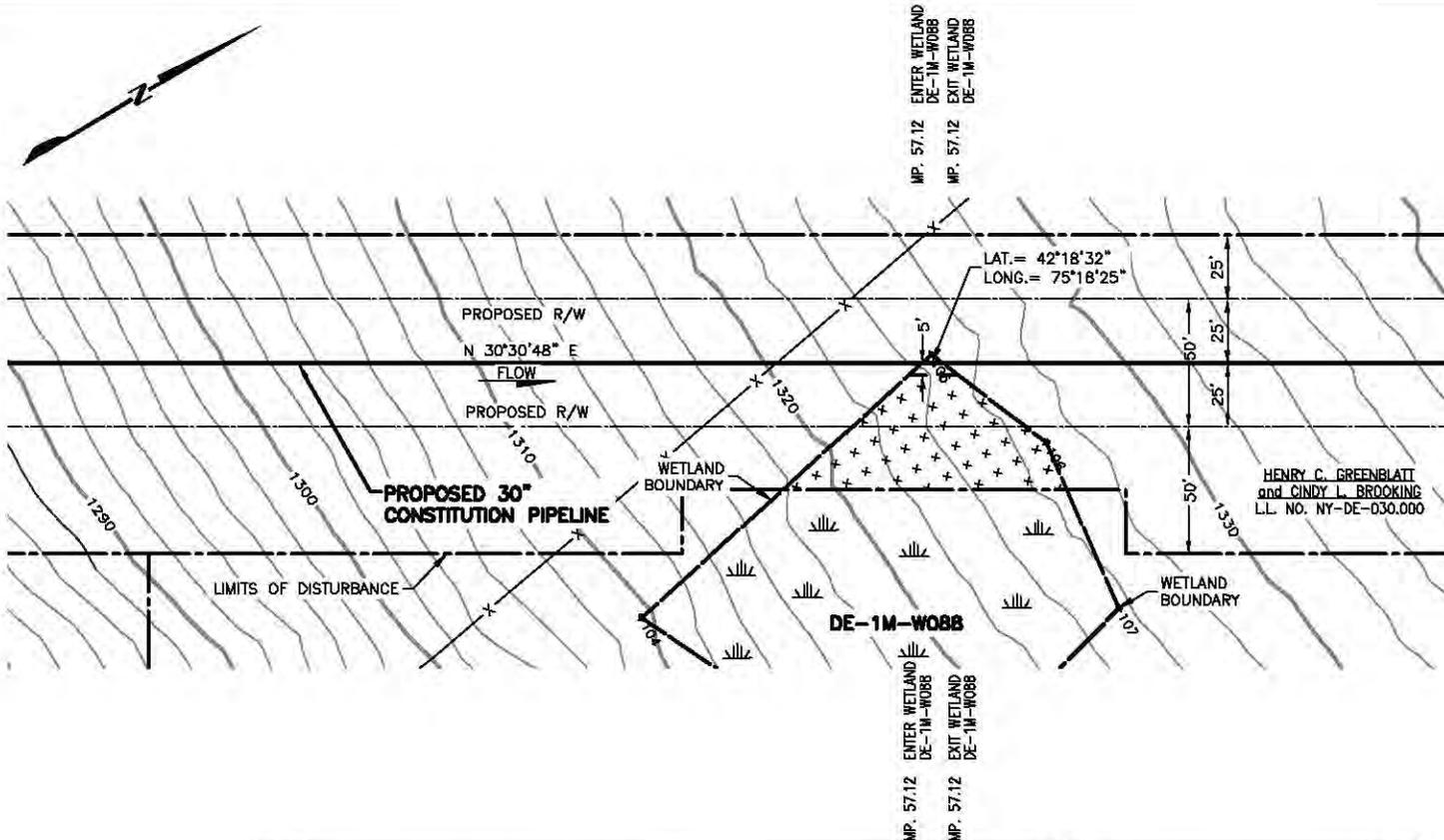
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	08-04-13	GE	ISSUED FOR CLIENT REVIEW	1110415		
B	08-09-13	GE	REVISED, ISSUED FOR CLIENT REVIEW	1110415		
C	08-17-13	GE	ISSUE FOR USE	1110415		
1	10-25-13	GE	REVISED - ISSUE FOR USE	1110415		
2	10-31-13	GE	ISSUE FOR USE	1110415		

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 DE-1Y-W085 @ M.P. 56.96
TOWN OF SIDNEY
DELAWARE COUNTY, NEW YORK

ISSUED FOR CONSTRUCTION: 26-20-85/DE-1Y-W085-1-2 SHEET 199 OF 362



NOTES:

- BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
- ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
- WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
- 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.
- WETLAND DELINEATION COMPLETED BY AECOM.
- 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				
DE-1M-W088	PEM	8			0.07				N/A	N	Conventional

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

PLAN/PROFILE
 SCALE IN FEET
 SCALE: 1" = 80' HORIZONTAL
 1" = 80' VERTICAL

DRAWING NO.		REFERENCE TITLE	
28-26-70/0001-58		ALIGNMENT SHEET	

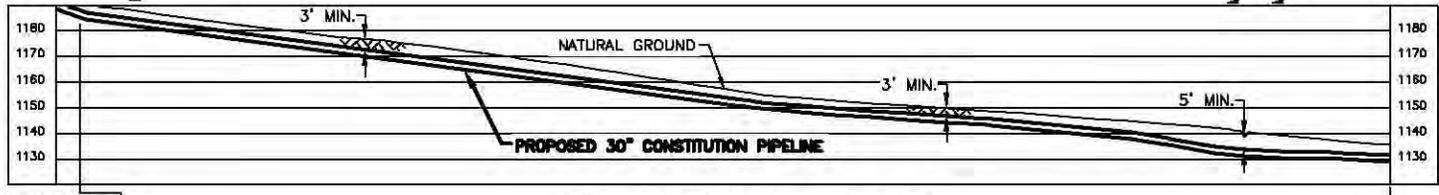
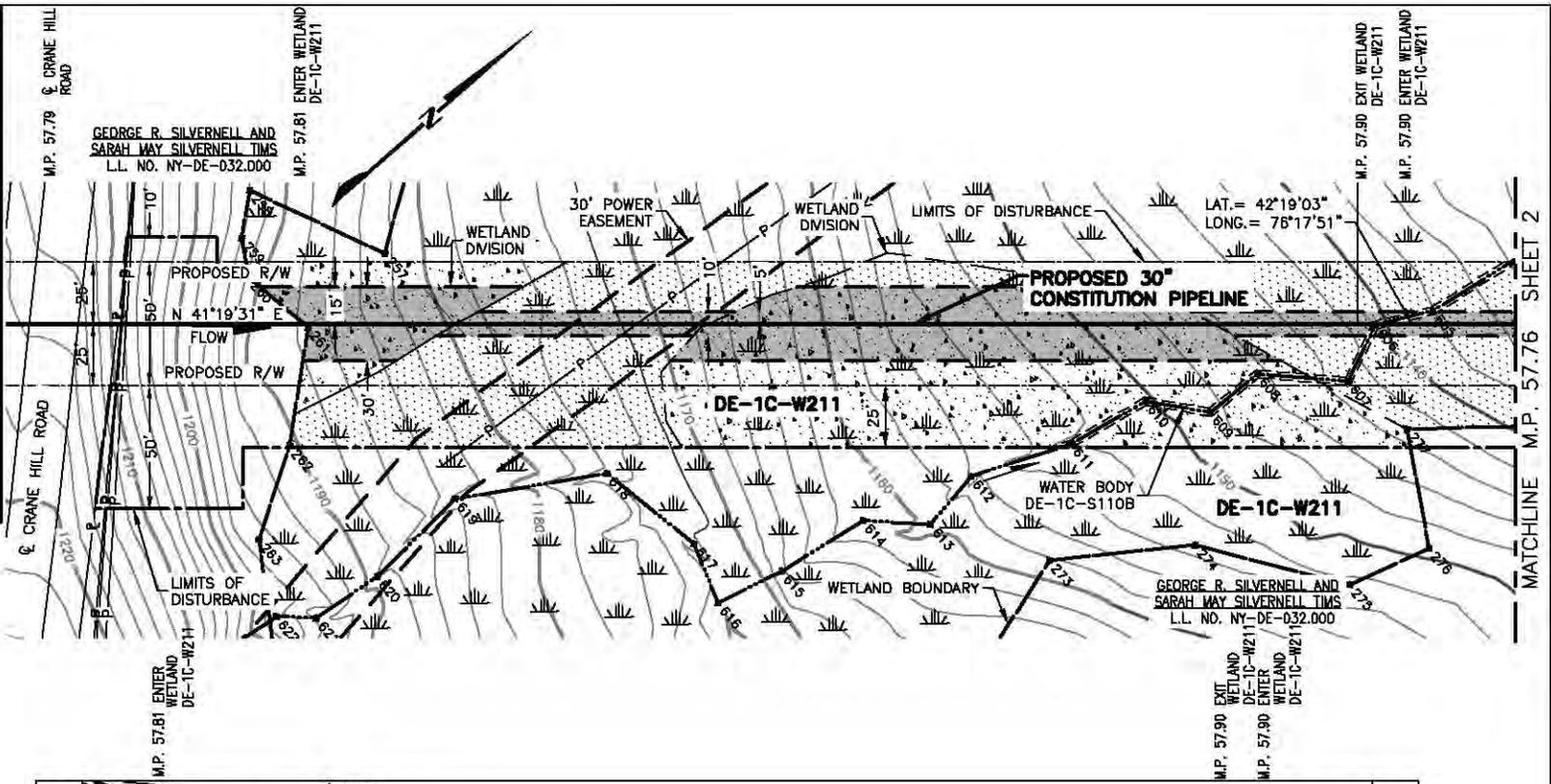
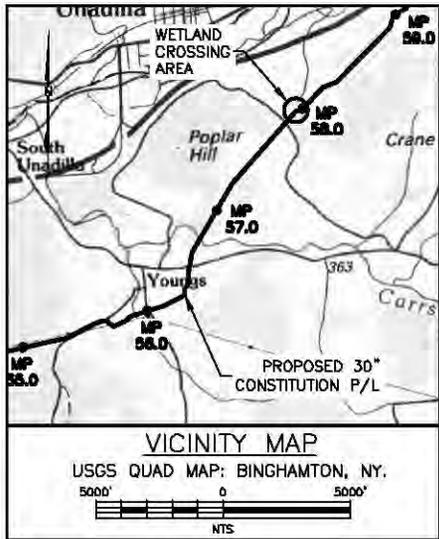
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
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0	08-19-13	GE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
0	08-21-13	GE	ISSUED FOR USE	1110415		
1	10-25-13	GE	REVISED - ISSUED FOR USE	1110415		
2	10-30-13	GE	ISSUED FOR USE	1110415		

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 DE-1M-W088 @ M.P. 57.12
 TOWN OF SIDNEY
 DELAWARE COUNTY, NEW YORK

DRAWN BY: GIE DATE: 04-08-2013 ISSUED FOR BID: SCALE: 1"= 80'
 CHECKED BY: DATE: ISSUED FOR CONSTRUCTION:
 APPROVED BY: DATE: DRAWING NUMBER: 26-20-85/DE-1M-W088-1-2 SHEET 200 OF 362
 WC: 1110415



- NOTES:**
1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N MADS3, 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				
DE-1C-W211	PFO,PSS	555	0.45	0.49		0.19	0.07	N/A	N	Conventional	

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

PLAN/PROFILE

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

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-59	ALIGNMENT SHEET

NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
0	08-18-13	GE	ISSUE FOR USE	1110415		
1	08-27-13	GE	REVISED - ISSUE FOR USE	1110415		
2	10-24-13	GE	REVISED - ISSUE FOR USE	1110415		
3	10-30-13	GE	REVISED - ISSUE FOR USE	1110415		
4	10-31-13	GE	ISSUE FOR USE	1110415		

APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

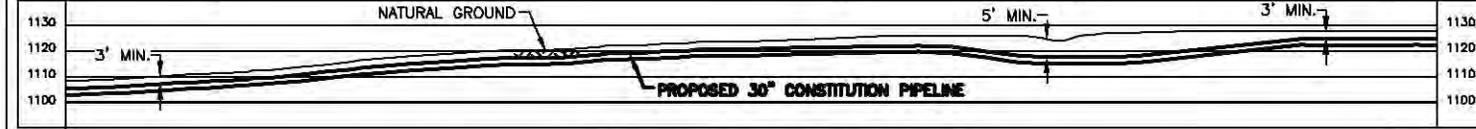
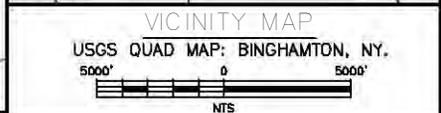
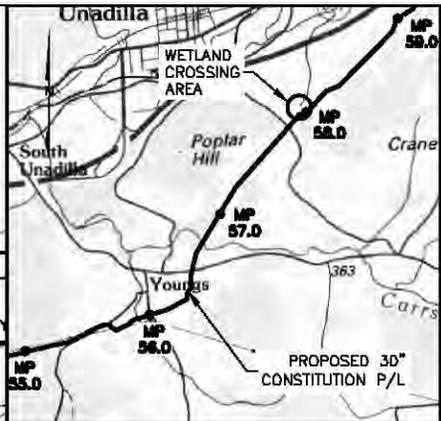
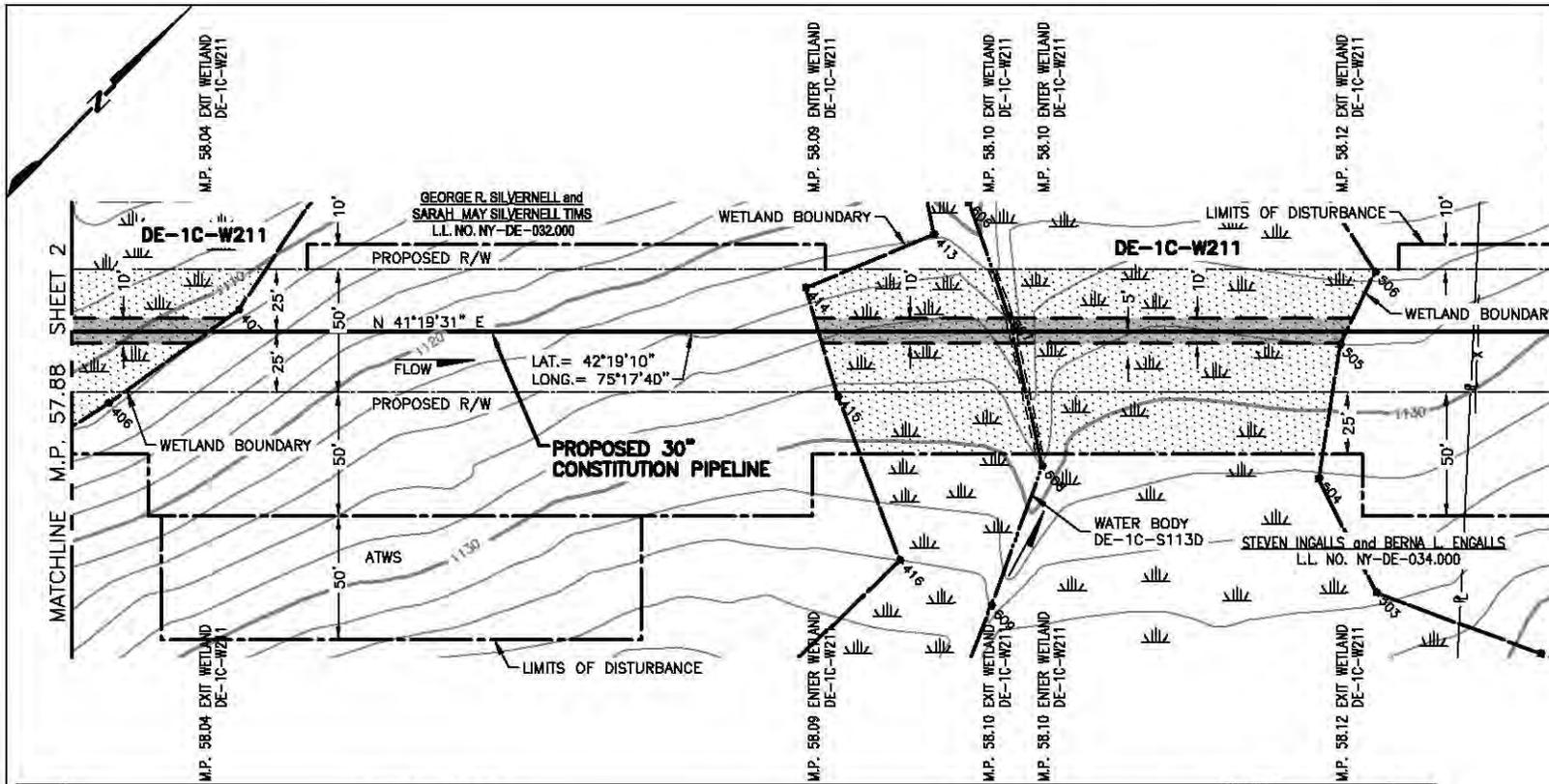
CONSTITUTION PIPELINE COMPANY, LLC.
ACDE & NYSDEC JOINT APPLICATION
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING DE-1C-W211 @ M.P. 57.81
TOWN OF SIDNEY
DELAWARE COUNTY, NEW YORK

ISSUE FOR CONSTRUCTION

DRAWN BY: GIE DATE: 03-26-2013 ISSUED FOR BID: SCALE: 1" = 80'

CHECKED BY: DATE: ISSUED FOR CONSTRUCTION:

APPROVED BY: DATE: DRAWING NUMBER: 26-20-85/DE-1C-W211-1-4 SHEET 201 OF 362



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

- NOTES:**
- BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
 - ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
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 - 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 ACRESAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY); OPERATION ACRESAGE = 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			
DE-1C-W211	PSS	213		0.36			0.05	N/A	N	Conventional

TRONOLL BERNHEDYVAJR
 N.Y. PROFESSIONAL ENGINEER
 NO. 69074

PLAN/PROFILE

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

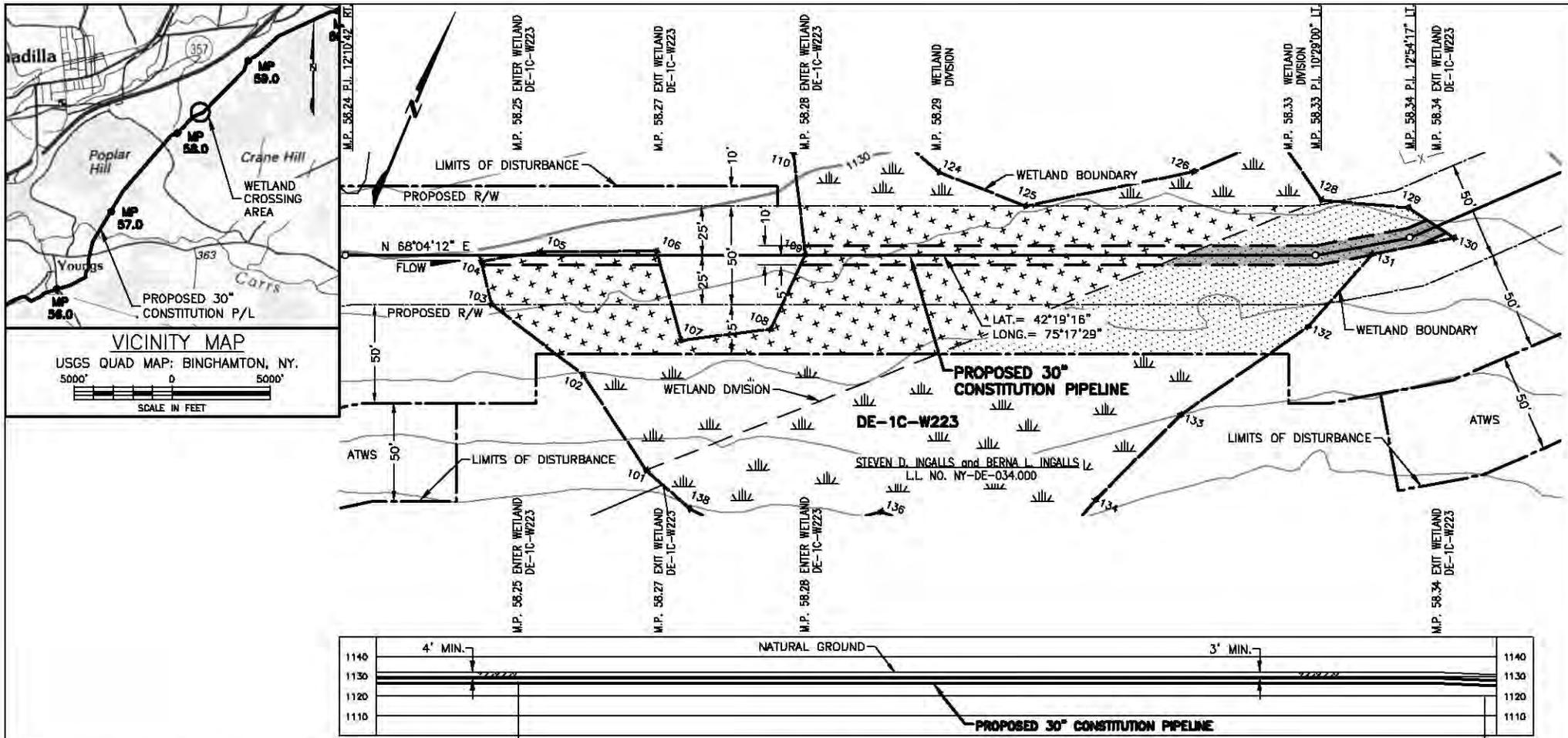
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1	08-21-13	GE	REVISED - ISSUE FOR USE	1110415		
2	10-07-13	GE	REVISED - ISSUE FOR USE	1110415		
3	10-30-13	GE	REVISED - ISSUE FOR USE	1110415		
4	10-31-13	GE	ISSUE FOR USE	1110415		

APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
 HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
 ACDE & NYSDEC JOINT APPLICATION
 PROPOSED 30" NATURAL GAS PIPELINE
 WETLAND CROSSING DE-1C-W211 @ M.P. 57.81
 TOWN OF SIDNEY
 DELAWARE COUNTY, NEW YORK

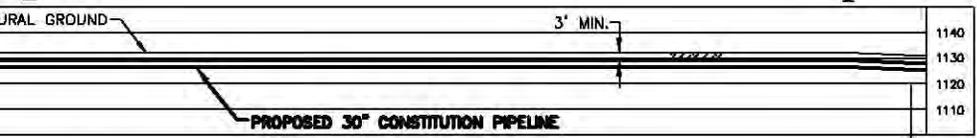
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 CHECKED BY: DATE: ISSUED FOR CONSTRUCTION:
 APPROVED BY: DATE: DRAWING NUMBER: 26-20-85/DE-1C-W211-3-4 SHEET 203 OF 362
 WC: 1110415



- NOTES:**
- BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD83 US SURVEY FEET.
 - ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD83 US SURVEY FEET.
 - WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
 - 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.
 - WETLAND DELINEATION COMPLETED BY AECOM.
 - 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 PIPELINE. CONSTRUCTION ACRESAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY); OPERATION ACRESAGE = 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			
DE-1C-W223	PEM/PSS	395		0.21	0.40	0.03	N/A	N	Conventional	

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



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

PLAN/PROFILE
 SCALE: 1" = 80' HORIZONTAL
 1" = 80' VERTICAL

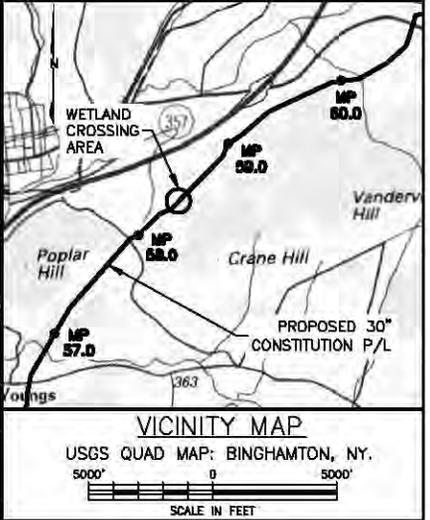
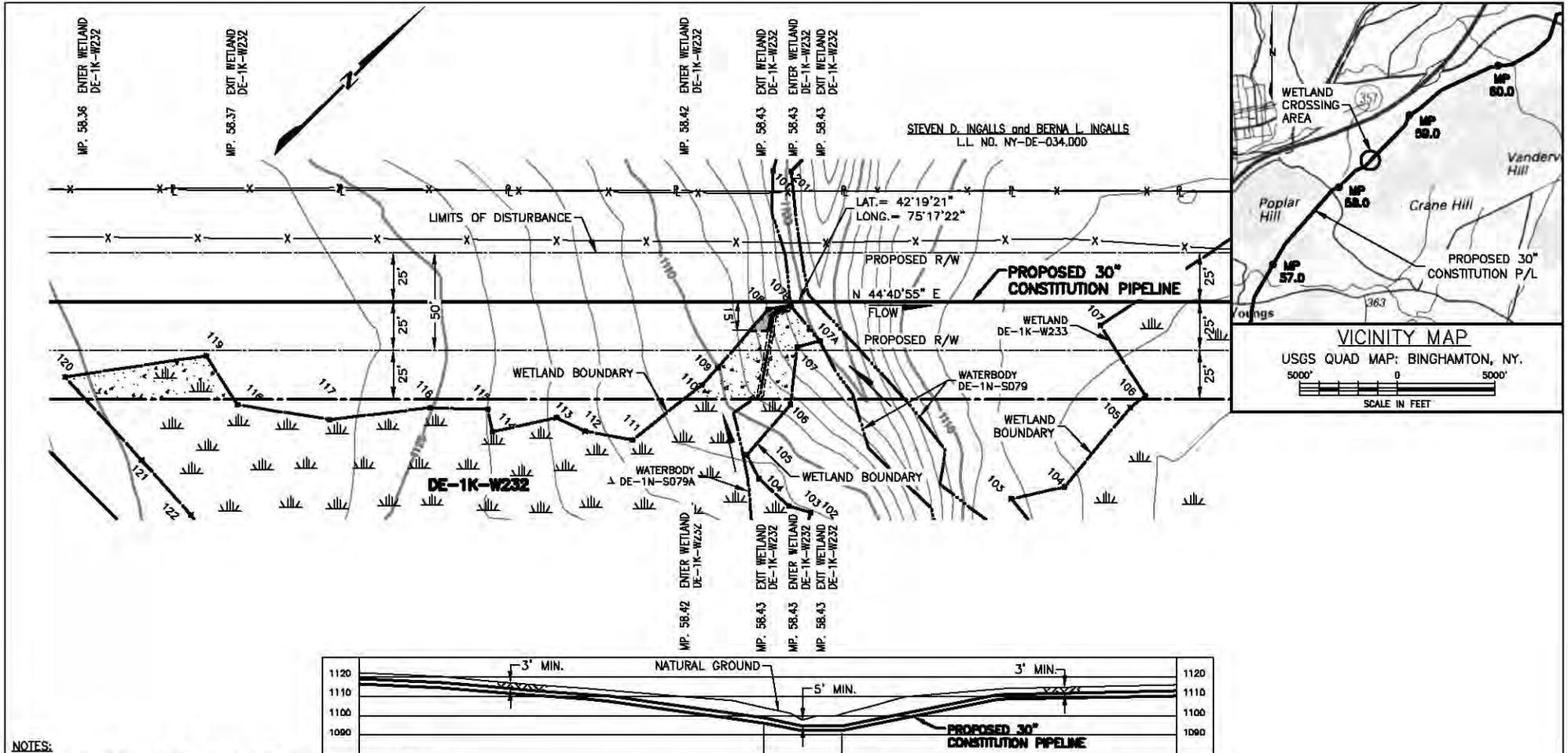
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
B	08-16-13	GE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
C	08-19-13	GE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
D	08-19-13	GE	ISSUE FOR USE	1110415		
1	10-25-13	GE	REVISED - ISSUE FOR USE	1110415		
2	10-31-13	GE	ISSUE FOR USE	1110415		

APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
 HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
 ACDE & NYSDEC JOINT PERMIT
 PROPOSED 30" NATURAL GAS PIPELINE
 WETLAND CROSSING DE-1C-W223 @ M.P. 58.25
 TOWN OF SIDNEY
 DELAWARE COUNTY, NEW YORK

ISSUED FOR CONSTRUCTION: 26-20-85/DE-1C-W223-1-2
 SHEET 204 OF 362



- NOTES:**
1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, LTM 18N NAD83, NAVD83 US SURVEY FEET.
 2. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD83 US SURVEY FEET.
 3. WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
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 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 ACRESAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY); OPERATION ACRESAGE = 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			
DE-1K-W232	PFO	0	0.07	0.01			N/A	N/A	

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

PLAN/PROFILE
 SCALE IN FEET
 SCALE: 1" = 80' HORIZONTAL
 1" = 80' VERTICAL

DRAWING NO.		REFERENCE TITLE	
28-28-70/0001-80		ALIGNMENT SHEET	

NO.	DATE	BY	REVISION DESCRIPTION	W.D. NO.	CHK.	APP.
0	08-14-13	GE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
1	08-18-13	GE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
2	08-19-13	GE	ISSUE FOR USE	1110415		
1	10-25-13	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

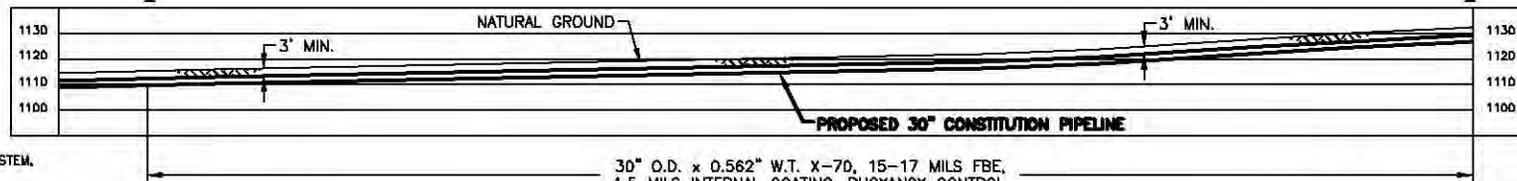
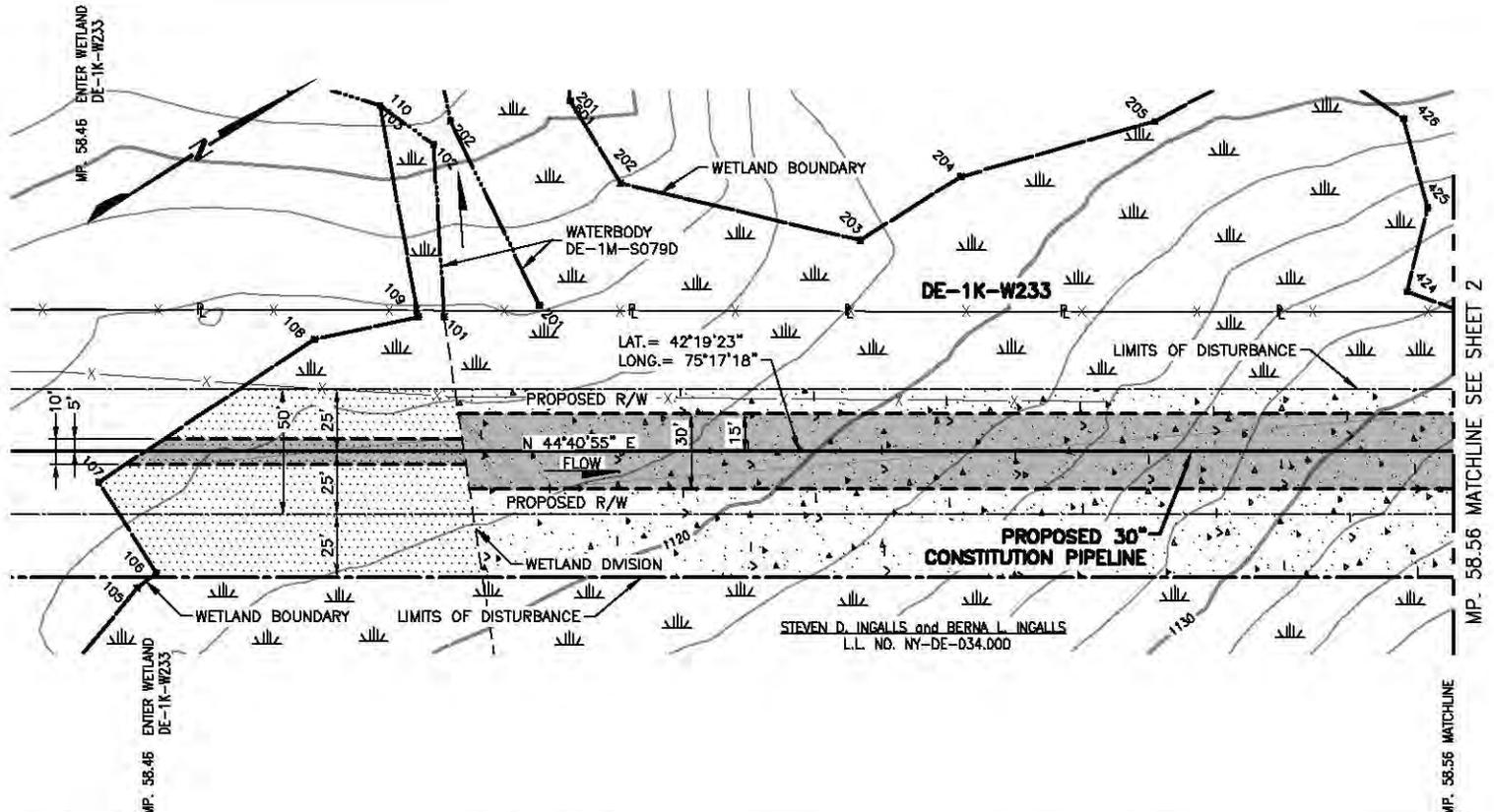
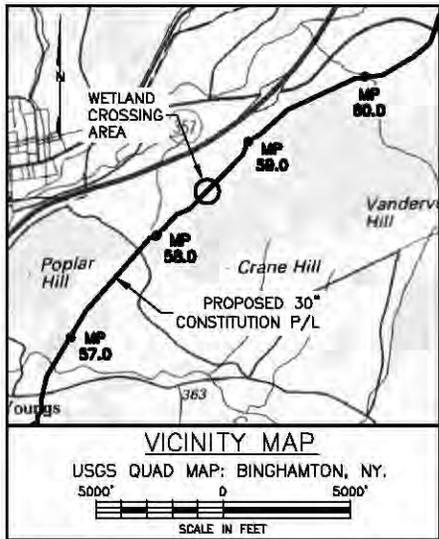
CONSTITUTION PIPELINE COMPANY, LLC.
 ACCE & NYSDEC JOINT PERMIT
 PROPOSED 30" NATURAL GAS PIPELINE
 WETLAND CROSSING DE-1K-W232 @ M.P. 58.42
 TOWN OF SIDNEY
 DELAWARE COUNTY, NEW YORK

DRAWN BY: GIE DATE: 07-15-2013 ISSUED FOR BID: SCALE: 1" = 80'

CHECKED BY: DATE: ISSUED FOR CONSTRUCTION:

APPROVED BY: DATE: DRAWING NUMBER: 26-20-85/DE-1K-W232-1-2 SHEET 205 OF 362

WC: 1110415



NOTES:

- BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD83 US SURVEY FEET.
- ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD83 US SURVEY FEET.
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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			
DE-1K-W233	PSS/PFO	523	0.68	0.22		0.27	0.03	N/A	N	Conventional

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

PLAN/PROFILE

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

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-60	ALIGNMENT SHEET

NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
0	08-18-13	GE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
1	08-29-13	GE	ISSUE FOR USE	1110415		
1	10-20-13	GE	REVISED - ISSUE FOR USE	1110415		
2	10-30-13	GE	REVISED - ISSUE FOR USE	1110415		
3	10-31-13	GE	ISSUE FOR USE	1110415		

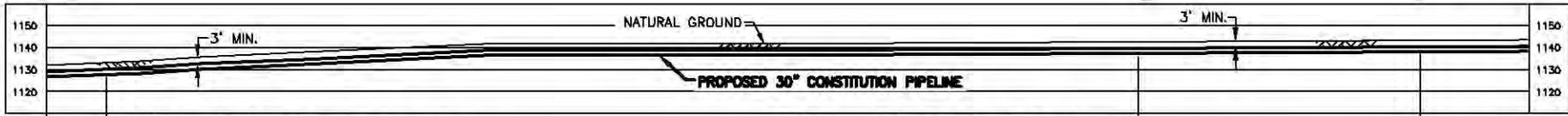
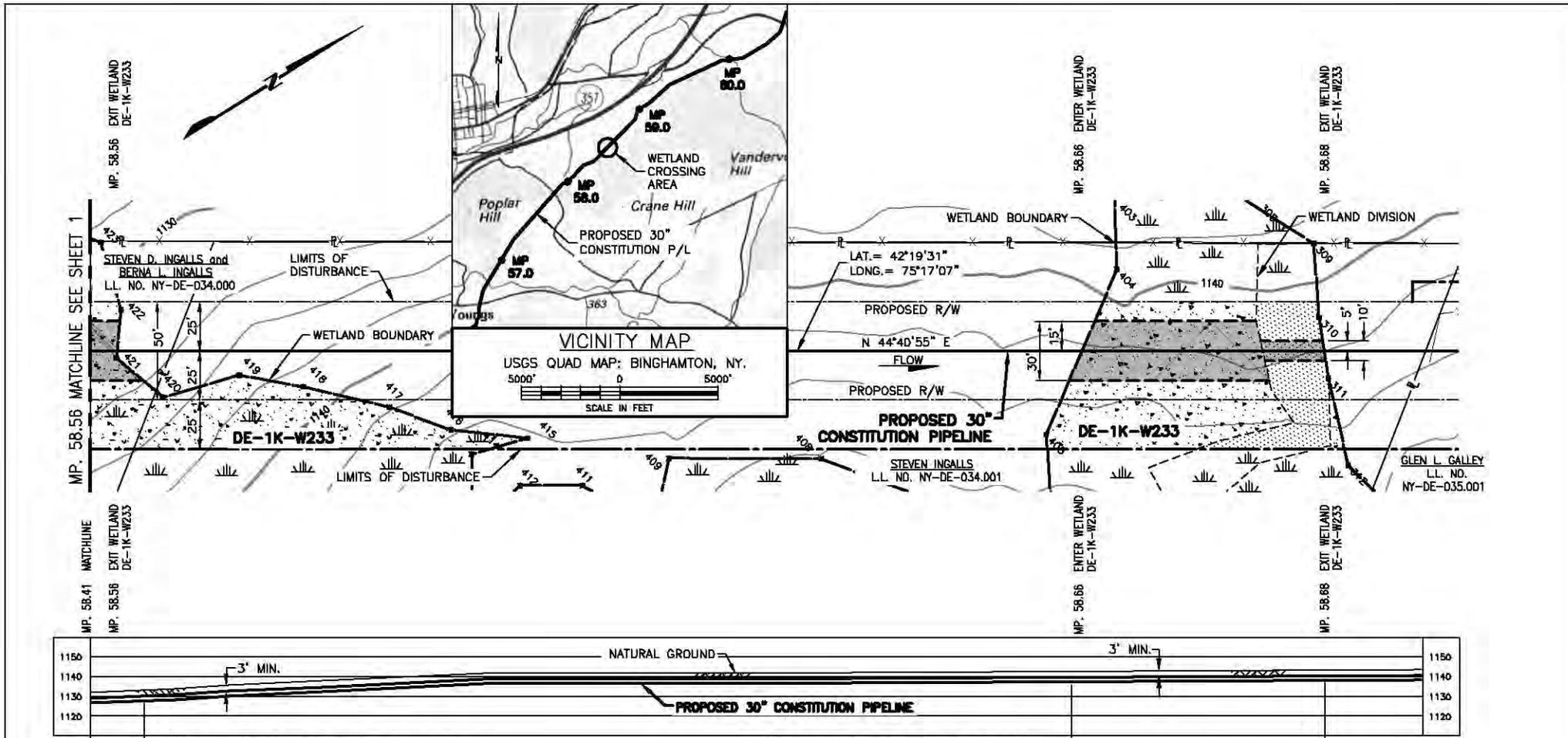
APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING DE-1K-W233 @ M.P. 58.46
TOWN OF SIDNEY
DELAWARE COUNTY, NEW YORK

CONSTITUTION PIPELINE

DRAWN BY: GIE DATE: 07-16-2013 ISSUED FOR BID: SCALE: 1" = 80'
CHECKED BY: DATE: ISSUED FOR CONSTRUCTION:
APPROVED BY: DATE: DRAWING NUMBER: 26-20-85/DE-1K-W233-1-3 SHEET 206 OF 362
WC: 1110415



NOTES:

1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N WAD83, NAVD83 US SURVEY FEET.
 2. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD83 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				
DE-1K-W233	PFO/PSS	136	0.31	0.06		0.07	0.01	N/A	N	Conventional	

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

PLAN/PROFILE

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

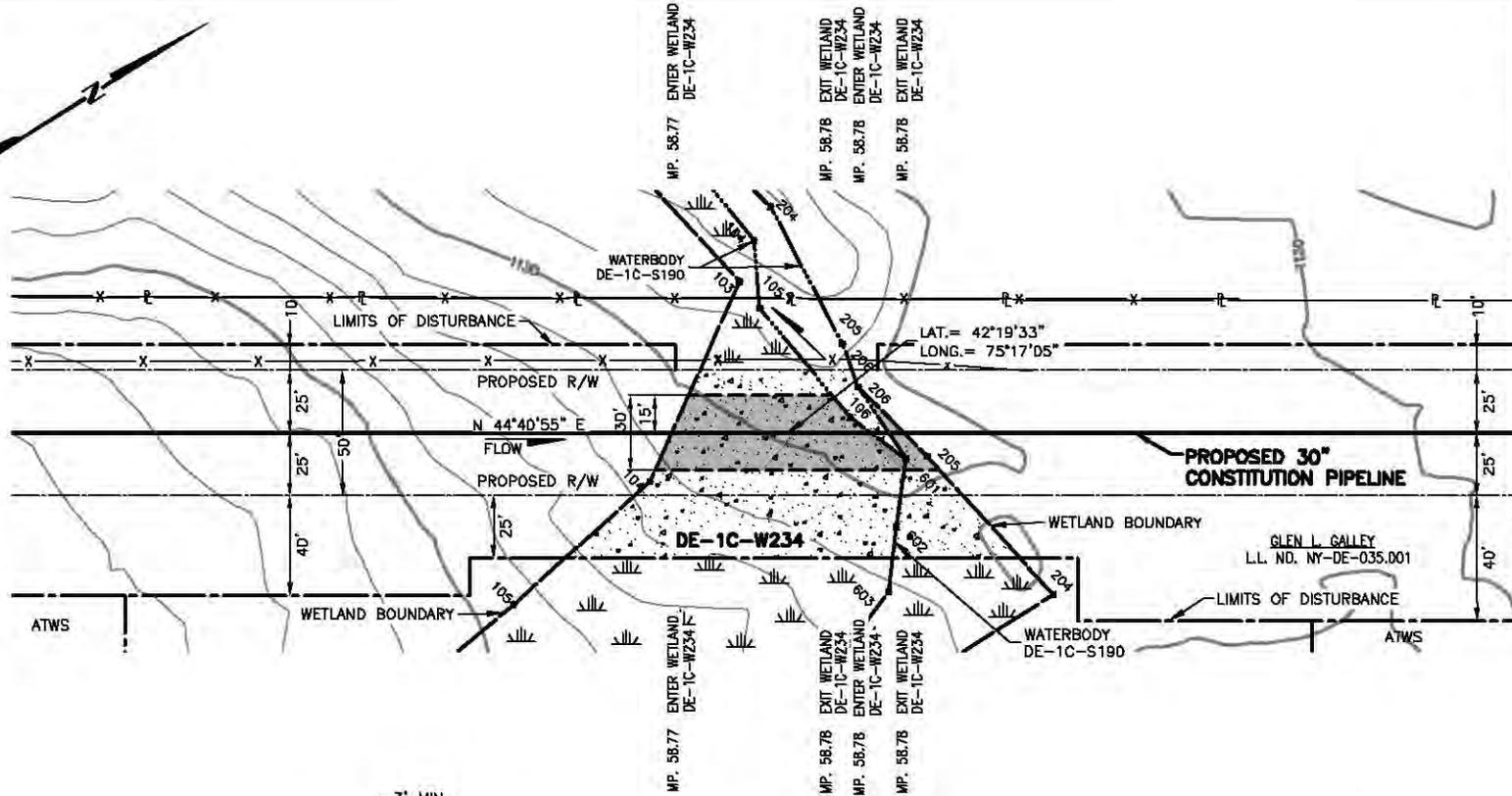
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
0	08-18-13	GE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
1	08-28-13	GE	ISSUE FOR USE	1110415		
1	10-20-13	GE	REVISED - ISSUE FOR USE	1110415		
2	10-30-13	GE	REVISED - ISSUE FOR USE	1110415		
3	10-31-13	GE	ISSUE FOR USE	1110415		

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 DE-1K-W233 @ M.P. 58.46
 TOWN OF SIDNEY
 DELAWARE COUNTY, NEW YORK

ISSUED FOR CONSTRUCTION: 26-20-85/DE-1K-W233-2-3 SHEET 207 OF 362



- BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
- ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
- WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
- 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.
- WETLAND DELINEATION COMPLETED BY AECOM.
- 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.

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

PLAN/PROFILE
 SCALE IN FEET
 0 40 80 120 160

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

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-60	ALIGNMENT SHEET

NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
8	08-14-13	GE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
9	08-14-13	GE	ISSUE FOR USE	1110415		
1	10-21-13	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		

APPLICATION NO.: NAN-2012-00449-UBR

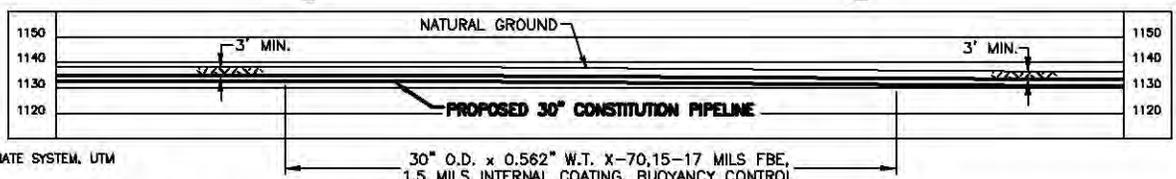
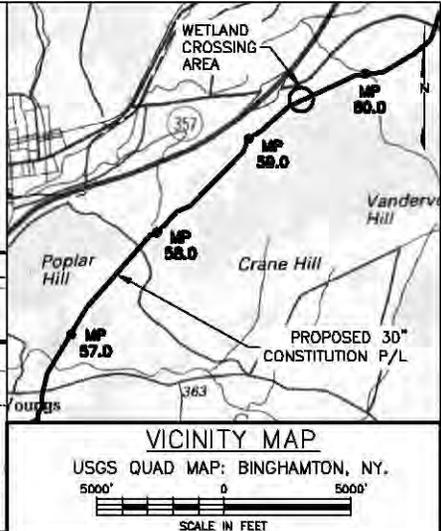
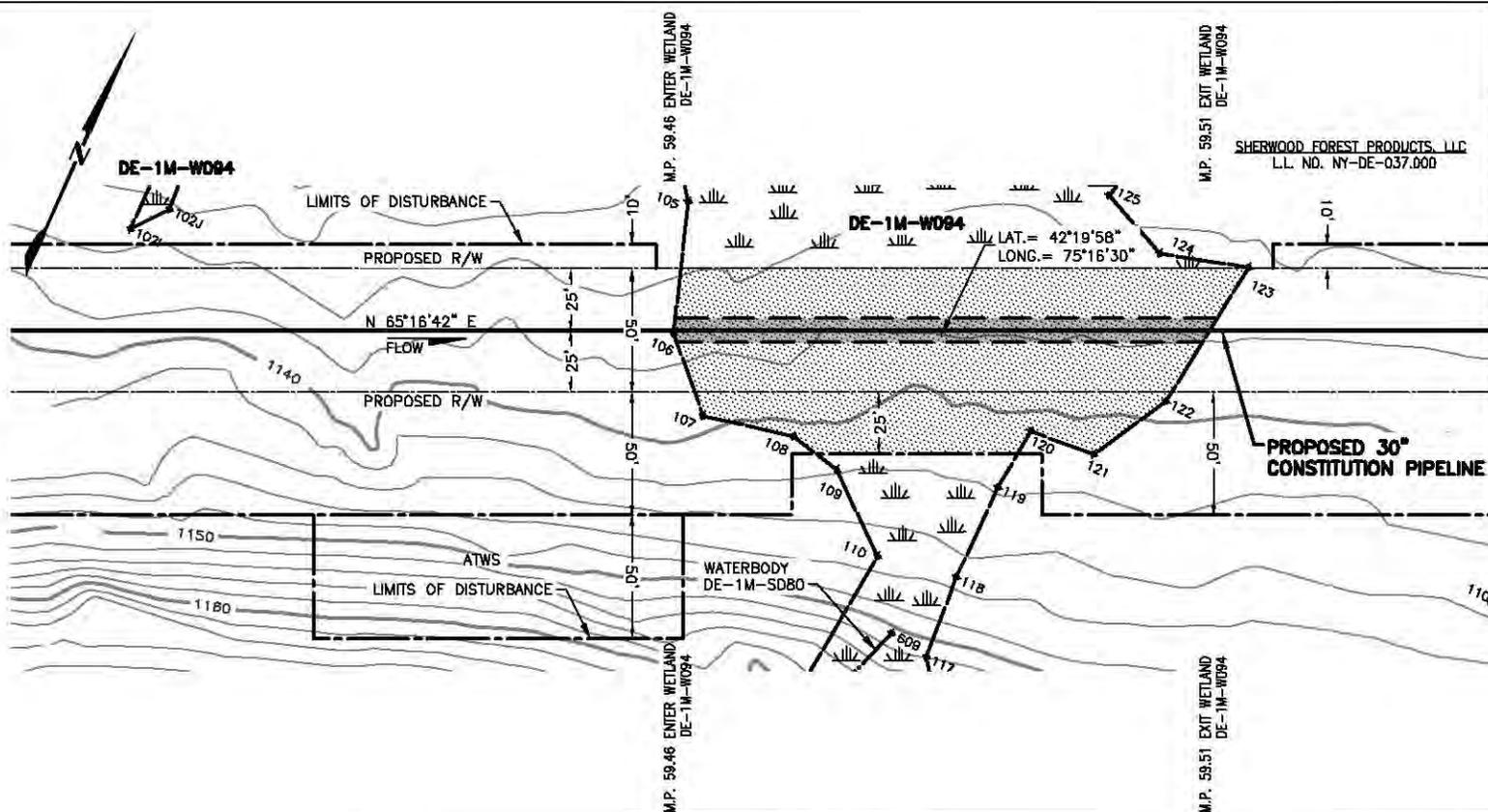


CONSTITUTION PIPELINE COMPANY, LLC.
 ACOE & NYSDEC JOINT PERMIT
 PROPOSED 30" NATURAL GAS PIPELINE
 WETLAND CROSSING DE-1C-W234 @ M.P. 58.77
 TOWN OF SIDNEY
 DELAWARE COUNTY, NEW YORK



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				
DE-1C-W234	PFO	86	0.19				0.06		N/A	N	Conventional

DRAWN BY: GIE	DATE: 07-15-2013	ISSUED FOR BID:	SCALE: 1" = 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/DE-1C-W234-1-3	SHEET 207 OF 362
WC: 1110415			



- NOTES:**
- BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
 - ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
 - WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
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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			
DE-1M-W094	PSS	218		0.33			0.05	N/A	N	Conventional

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

PLAN/PROFILE

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

NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
8	08-15-13	GE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
8	08-21-13	GE	ISSUED FOR USE	1110415		
1	10-21-13	GE	REVISED - ISSUE FOR USE	1110415		
2	10-31-13	GE	ISSUE FOR USE	1110415		

APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
 HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
 WATER OBSTRUCTION & ENCRDACHMENT PERMIT
 PROPOSED 30" NATURAL GAS PIPELINE
 WETLAND CROSSING DE-1M-W094 @ M.P. 59.46
 TOWN OF SIDNEY
 DELAWARE COUNTY, NEW YORK

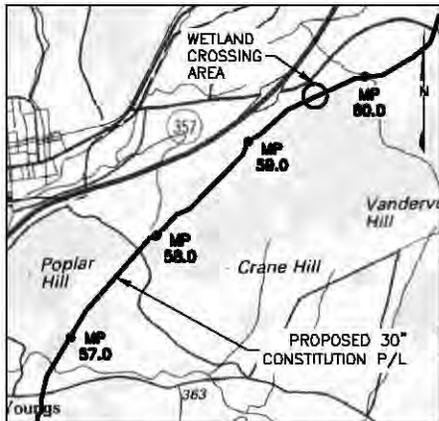
SCALE: 1" = 80'

DRAWN BY: GTE DATE: 03-26-2013 ISSUED FOR BID: SCALE: 1" = 80'

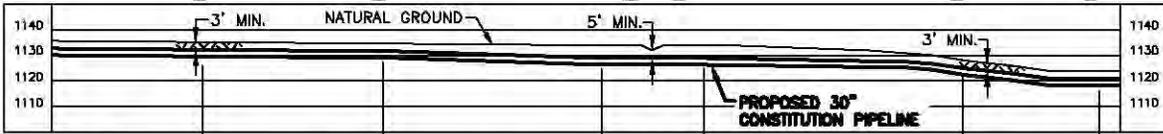
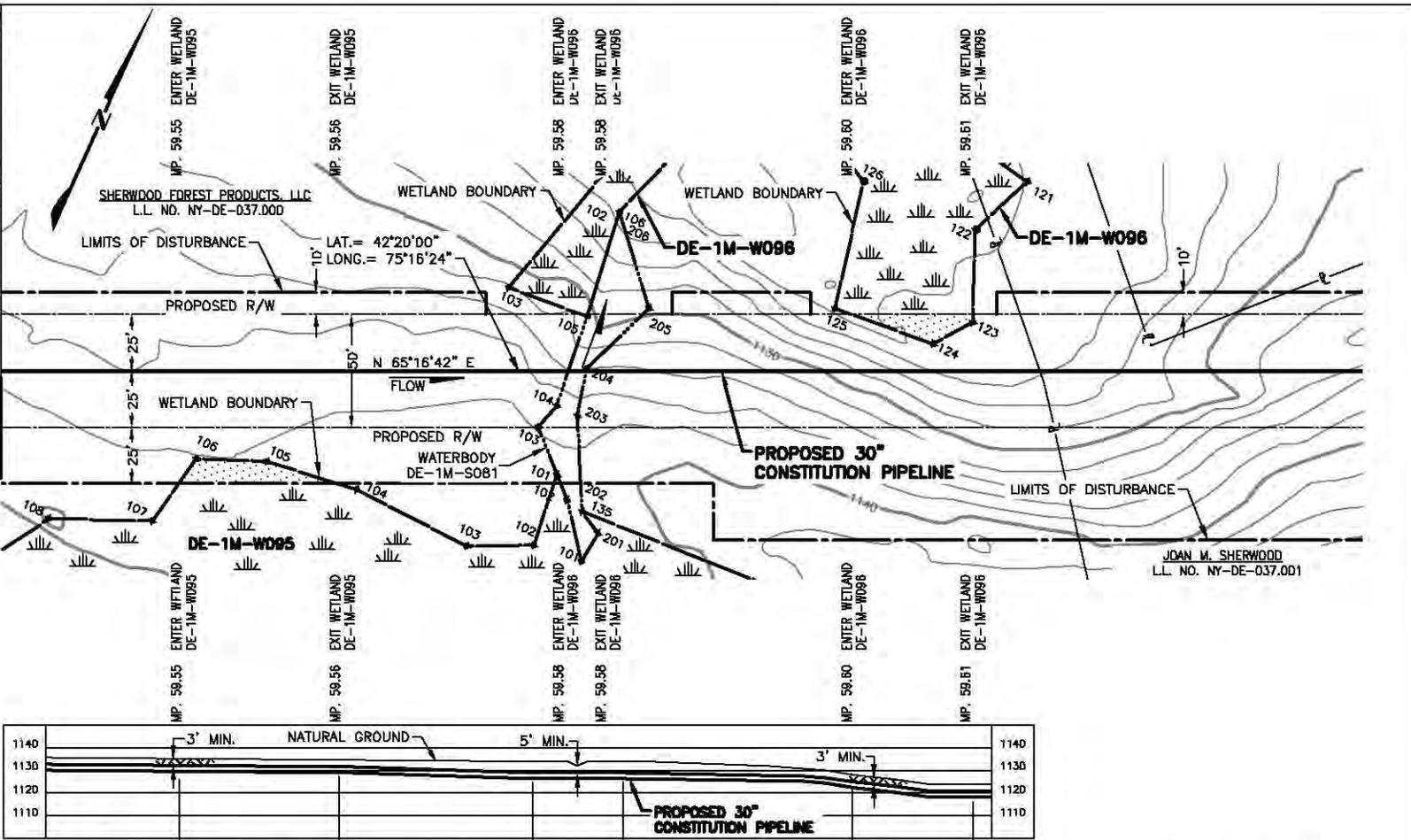
CHECKED BY: DATE: ISSUED FOR CONSTRUCTION:

APPROVED BY: DATE: DRAWING NUMBER: 26-20-85/DE-1M-W094-1-2 SHEET 208 OF 362

W.O. 1110415



VICINITY MAP
USGS QUAD MAP: BINGHAMTON, NY.
SCALE IN FEET



- NOTES:**
1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, LTM 18N NAD83, NAVD88 US SURVEY FEET.
 2. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
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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			
DE-1M-W095	PSS		0.02				N/A	N	N/A	
DE-1M-W096	PSS		0.02				N/A	N	N/A	

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

PLAN/PROFILE
SCALE IN FEET
SCALE: 1" = 80' HORIZONTAL
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DRAWING NO.	REFERENCE TITLE
26-26-70/0001-61	ALIGNMENT SHEET

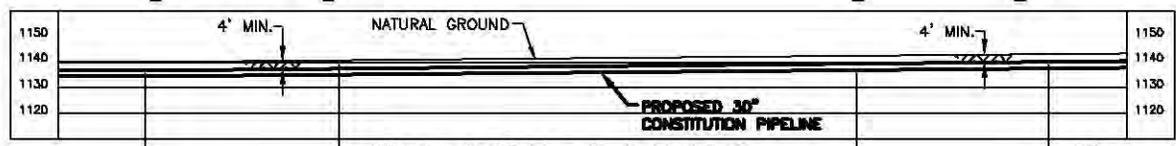
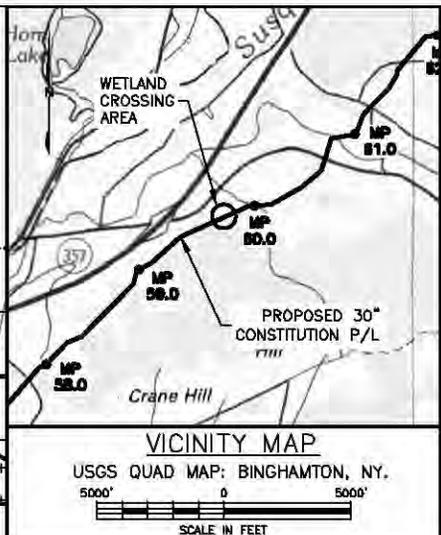
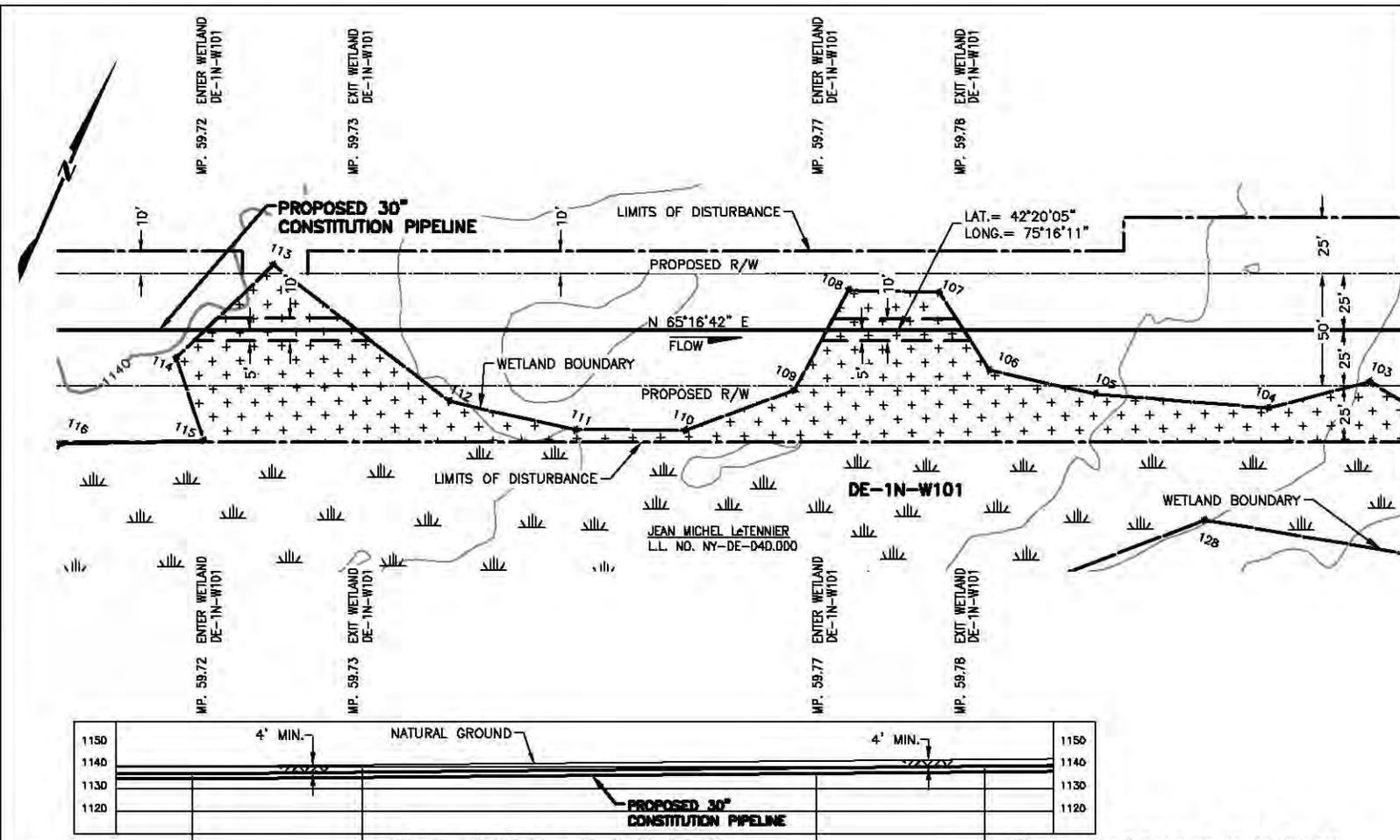
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
1	08-17-13	GE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
2	08-29-13	GE	ISSUE FOR USE	1110415		
1	10-21-13	GE	REVISED - ISSUE FOR USE	1110415		
2	10-29-13	GE	REVISED - ISSUE FOR USE	1110415		
3	10-30-13	GE	ISSUE FOR USE	1110415		

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 DE-1M-W095 AND DE-1M-W096
@ M.P. 59.55.
TOWN OF SIDNEY, DELAWARE COUNTY, NEW YORK

CHECKED BY: GIE DATE: 07-19-2013 ISSUED FOR BID: SCALE: 1" = 80'
ISSUED FOR CONSTRUCTION:
APPROVED BY: DATE: DRAWING NUMBER: 26-20-85/DE-1M-W095-1-3 SHEET 209 OF 362
W.O. 1110415



NOTES:
 1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD83 US SURVEY FEET.
 2. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD83 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.
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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			
DE-1N-W101	PEM	129			0.39			N/A	N	CONVENTIONAL

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



DRAWING NO.		REFERENCE TITLE	
26-26-70/0001-61		ALIGNMENT SHEET	

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

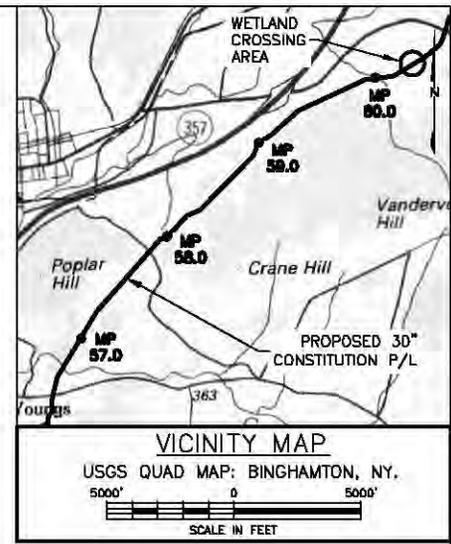
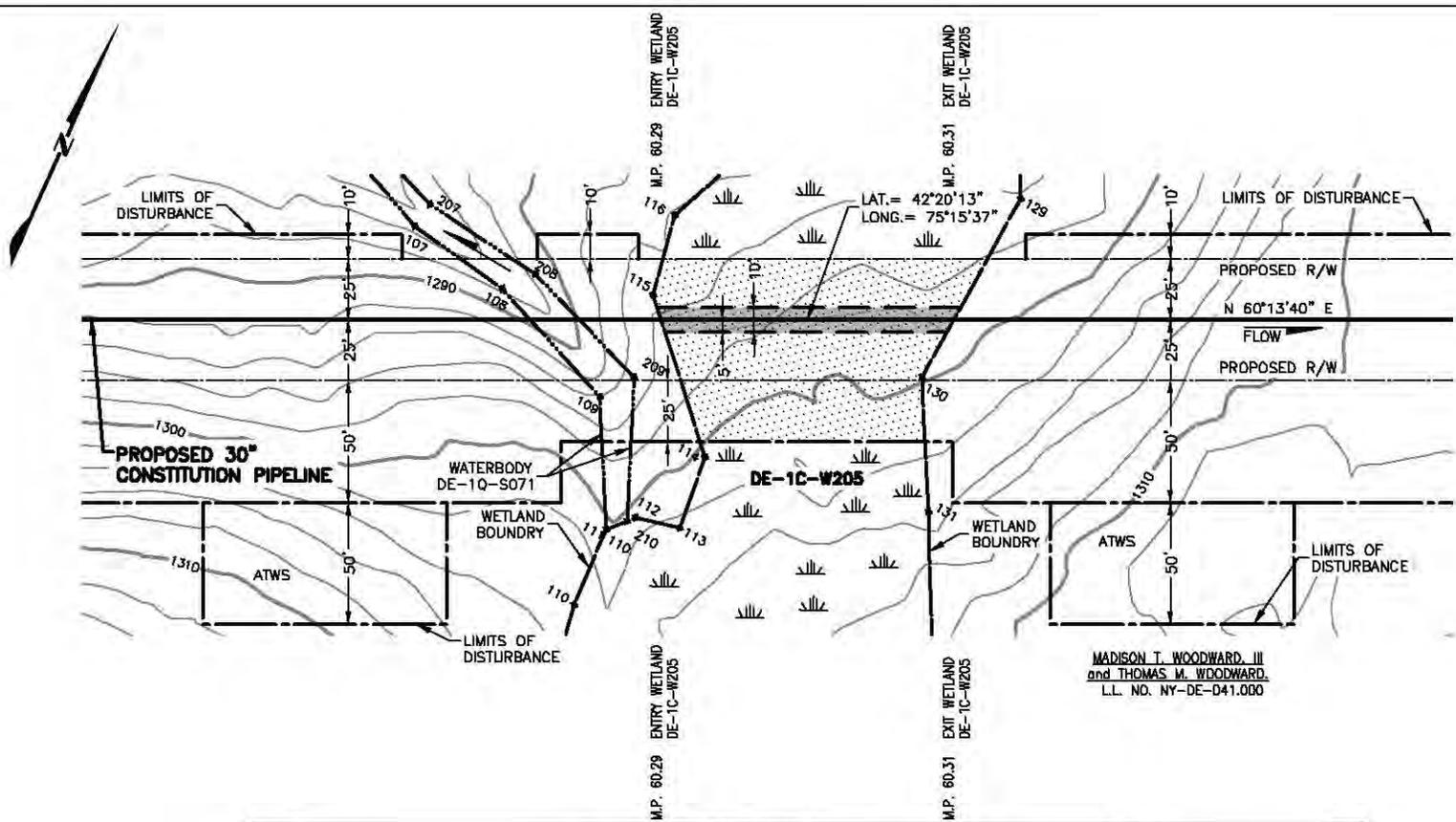
CONSTITUTION PIPELINE COMPANY, LLC.
 ACDE & NYSDEC JOINT PERMIT
 PROPOSED 30" NATURAL GAS PIPELINE
 WETLAND CROSSING DE-1N-W101 @ M.P. 59.72
 TOWN OF SYDNEY
 DELAWARE COUNTY, NEW YORK

ISSUED FOR CONSTRUCTION: 08-10-2013

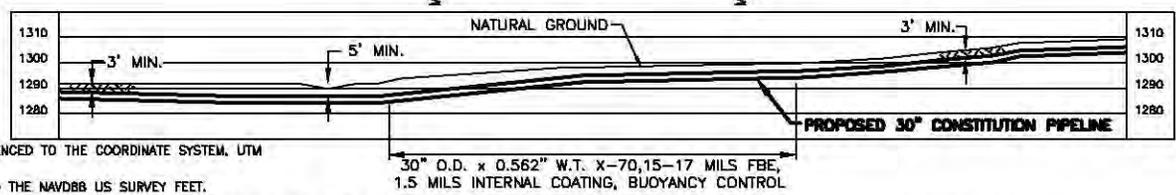
ISSUED FOR CONSTRUCTION: 26-20-85/DE-1N-W101-1-2

SCALE: 1" = 80'

SHEET 210 OF 362



MADISON T. WOODWARD, III
and THOMAS M. WOODWARD,
L.L. NO. NY-DE-041.000



NOTES:

- BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
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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			
DE-1C-W205	PSS	120		0.19			0.03	N/A	N	Conventional

TROY L. KENNEDY JR.

N.Y. PROFESSIONAL ENGINEER
NO. 69074

PLAN/PROFILE

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

DRAWING NO.		REFERENCE TITLE	
26-26-70/0001-61		ALIGNMENT SHEET	

NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	08-01-13	BE	ISSUED FOR CLIENT REVIEW	1110415		
B	08-15-13	BE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
C	08-17-13	BE	ISSUE FOR USE	1110415		
1	10-22-13	BE	REVISED - ISSUE FOR USE	1110415		
2	10-31-13	BE	ISSUE FOR USE	1110415		

APPLICATION NO.: NAN-2012-00449-UBR

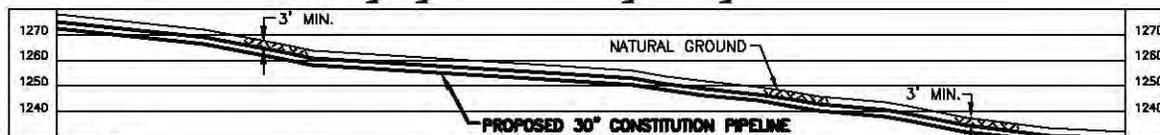
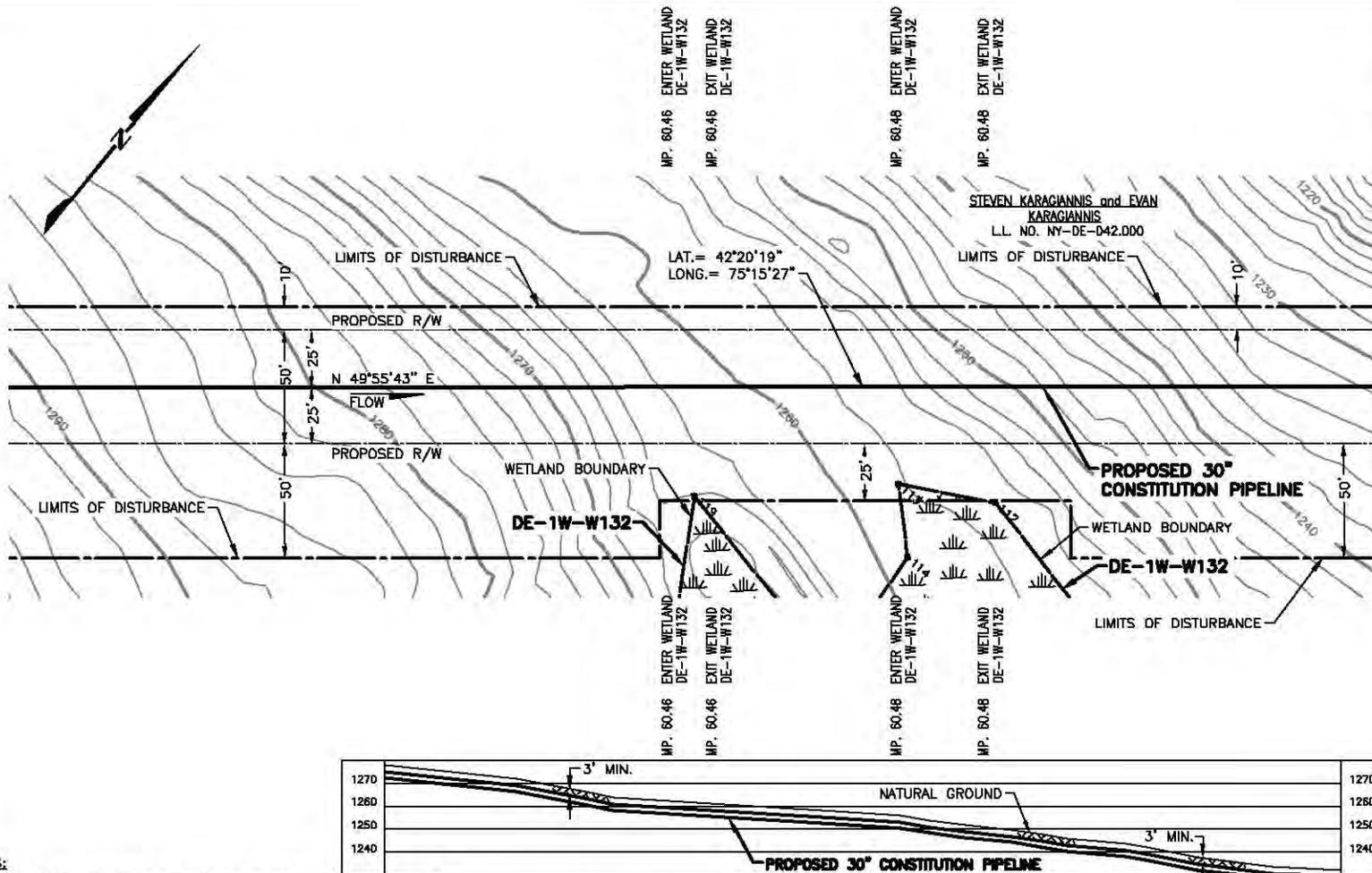
GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING DE-1C-W205 @ M.P. 60.29
TOWN OF SIDNEY
DELAWARE COUNTY, NEW YORK

SCALE: 1" = 80'

CHECKED BY: DATE: ISSUED FOR CONSTRUCTION:

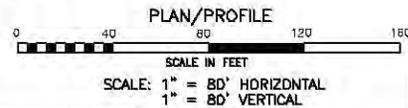
APPROVED BY: DATE: DRAWING NUMBER: 26-20-85/DE-1C-W205-1-2 SHEET 211 OF 362



NOTES:

- BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD83 US SURVEY FEET.
- ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD83 US SURVEY FEET.
- WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
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30" O.D. x 0.562" W.T. X-70, 15-17 MILS FBE,
1.5 MILS INTERNAL COATING



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

DRAWING NO.		REFERENCE TITLE				
26-26-70/0001-62		ALIGNMENT SHEET				
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
B	08-11-13	GE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
C	08-18-13	GE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
D	08-19-13	GE	ISSUE FOR USE	1110415		
1	10-22-13	GE	REVISED - ISSUE FOR USE	1110415		
2	10-30-13	GE	ISSUE FOR USE	1110415		

APPLICATION NO.: NAN-2012-00449-UBR

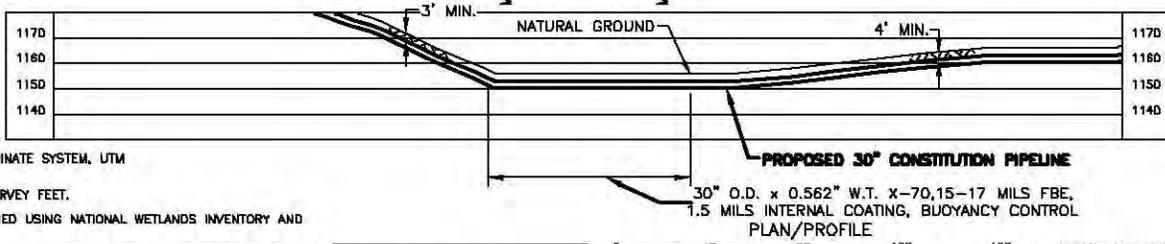
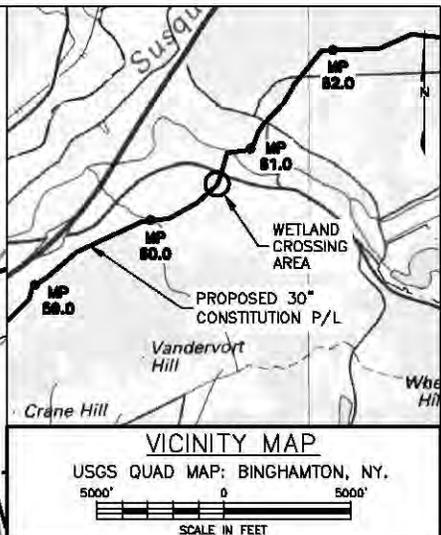
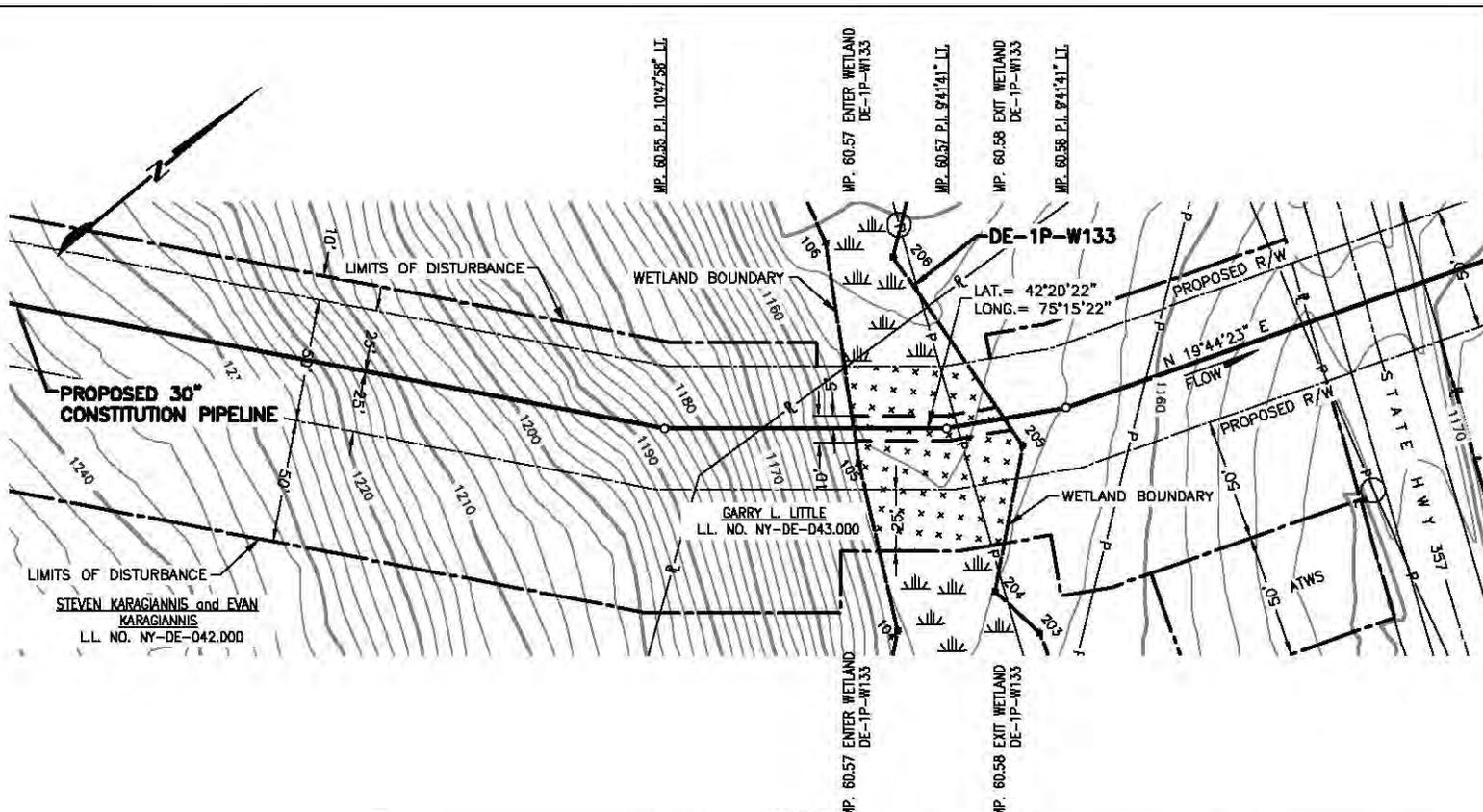


CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING DE-1W-W132 @ M.P. 60.46
TOWN OF SIDNEY
DELAWARE COUNTY, NEW YORK



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			
DE-1W-W132	PEM	0			0.02			N/A	N	N/A

DRAWN BY: GIE	DATE: 07-19-2013	ISSUED FOR BID:	SCALE: 1" = 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/DE-1W-W132-1-2	SHEET 212 OF 362
WC: 1110415			



NOTES:

- BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
- ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
- WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
- 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.
- WETLAND DELINEATION COMPLETED BY AECOM.
- 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				
DE-1P-W133	PEM	62			0.10			N/A	N	Conventional	

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

NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	08-06-13	GE	ISSUED FOR CLIENT REVIEW	1110415		
B	08-15-13	GE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
D	08-18-13	GE	ISSUED FOR USE	1110415		
1	10-22-13	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.
 ACDE & NYSDEC JOINT PERMIT
 PROPOSED 30" NATURAL GAS PIPELINE
 WETLAND CROSSING DE-1P-W133 @ M.P. 60.57
 TOWN OF SIDNEY
 DELAWARE COUNTY, NEW YORK

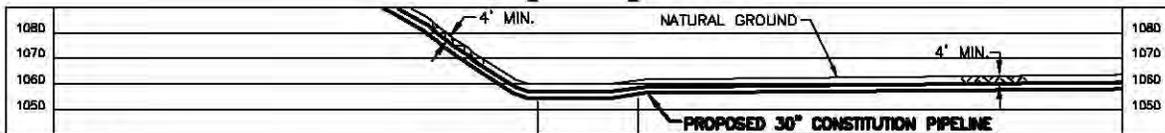
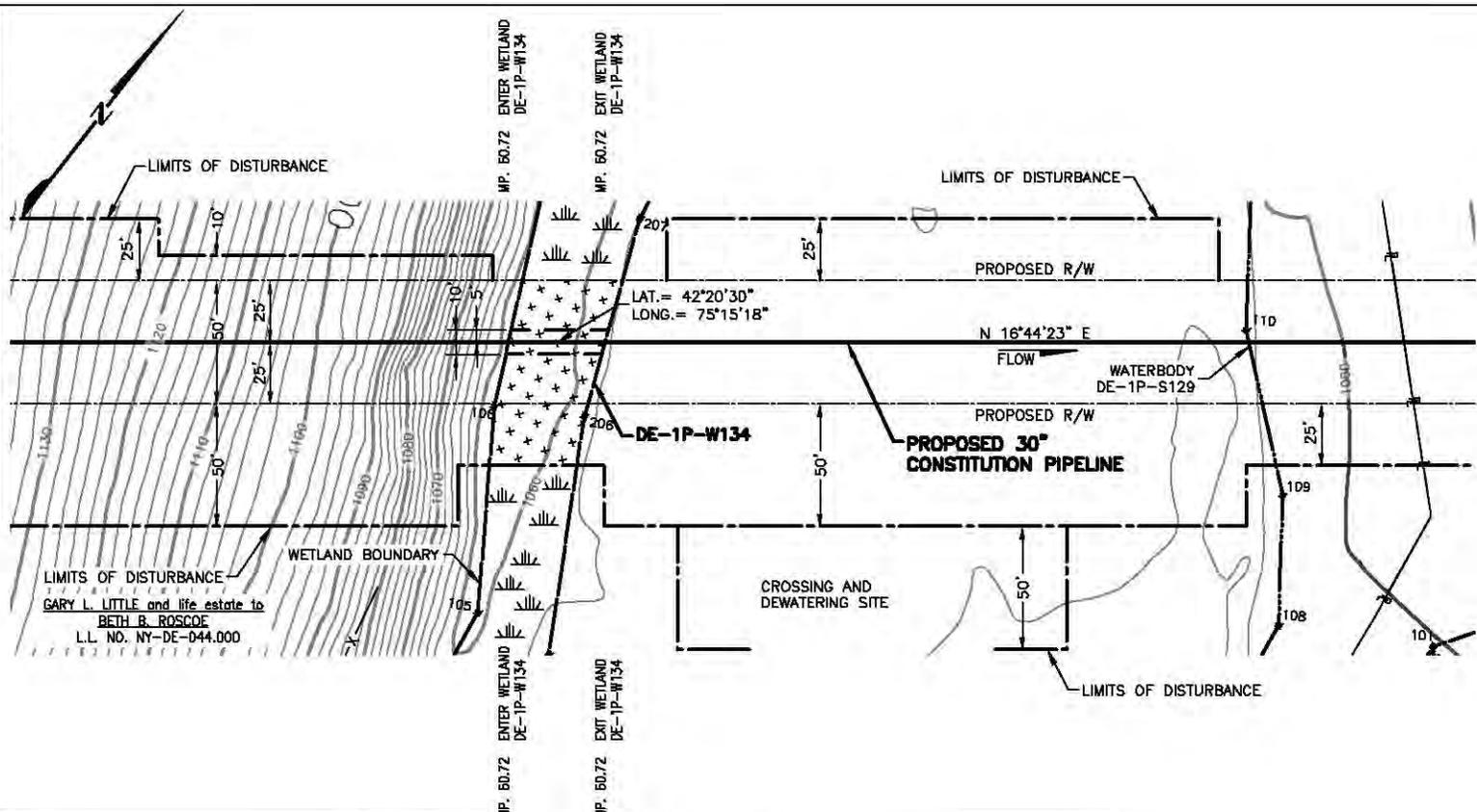
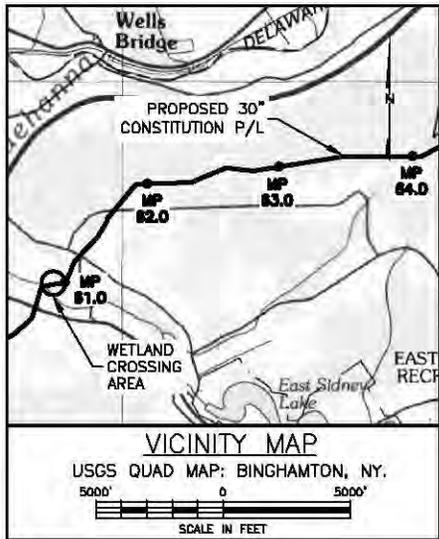
SCALE: 1" = 80'

DRAWN BY: GIE DATE: 07-20-2013 ISSUED FOR BID: SCALE: 1" = 80'

CHECKED BY: DATE: ISSUED FOR CONSTRUCTION:

APPROVED BY: DATE: DRAWING NUMBER: 26-20-85/DE-1P-W133-1-2 SHEET 213 OF 362

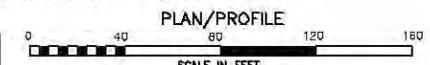
W.O. 1110415



- NOTES:**
- BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD83 US SURVEY FEET.
 - ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD83 US SURVEY FEET.
 - WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
 - 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.
 - WETLAND DELINEATION COMPLETED BY AECOM.
 - 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 PIPELINE COMPANY, LLC. 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			
DE-1P-W134	PEM	39			0.07			N/A	N	Conventional

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



DRAWING NO.		REFERENCE TITLE	
26-26-70/0001-62		ALIGNMENT SHEET	

NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	08-06-13	GE	ISSUED FOR CLIENT REVIEW	1110415		
B	08-16-13	GE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
D	08-18-13	GE	ISSUE FOR USE	1110415		
1	10-28-13	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 DE-1P-W134 @ M.P. 60.72
TOWN OF SIDNEY
DELAWARE COUNTY, NEW YORK

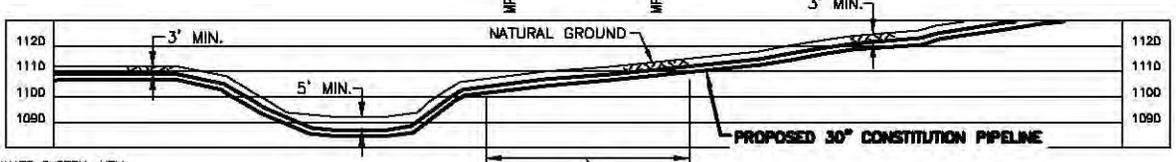
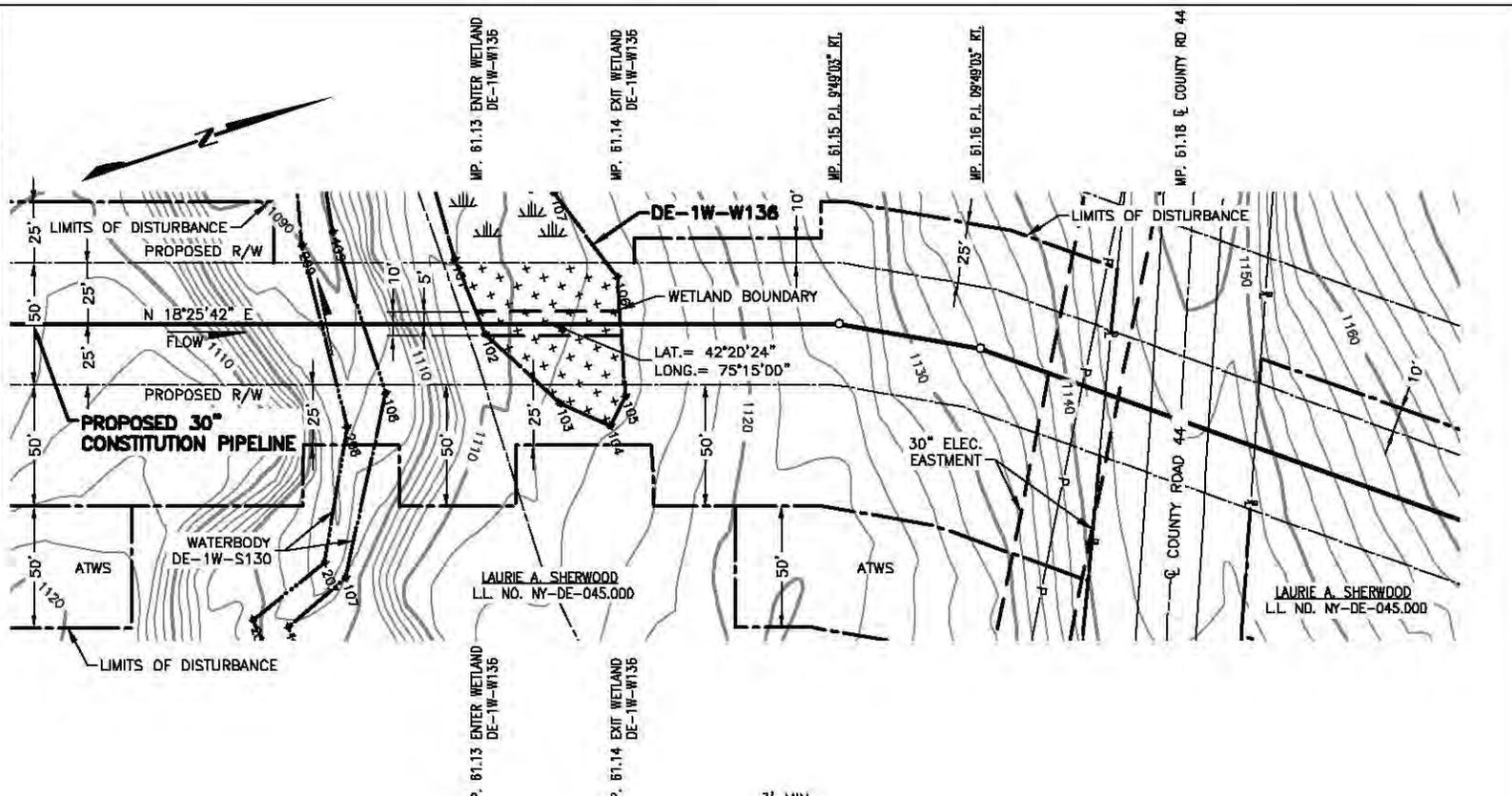
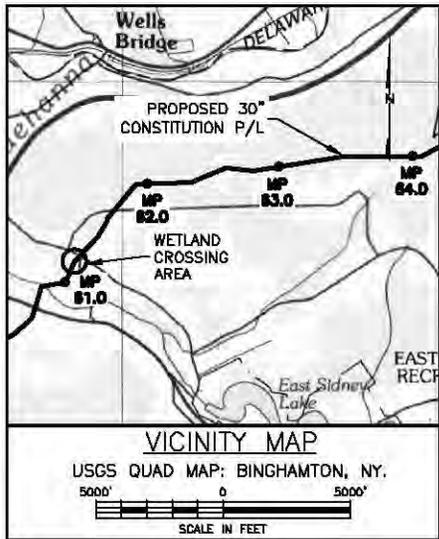
SCALE: 1"=80'

DRAWN BY: GIE DATE: 07-20-2013 ISSUED FOR BID: SCALE: 1"=80'

CHECKED BY: DATE: ISSUED FOR CONSTRUCTION:

APPROVED BY: DATE: DRAWING NUMBER: 26-20-85/DE-1P-W134-1-2 SHEET 214 OF 362

WC: 1110415



- NOTES:**
- BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD83 US SURVEY FEET.
 - ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD83 US SURVEY FEET.
 - WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
 - 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.
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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			
DE-1W-W136	PEM	57			0.07			N/A	N	Conventional

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

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

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-63	ALIGNMENT SHEET

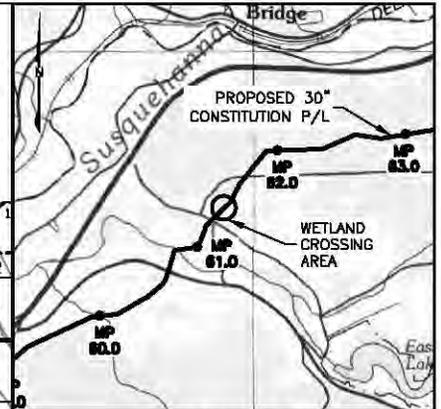
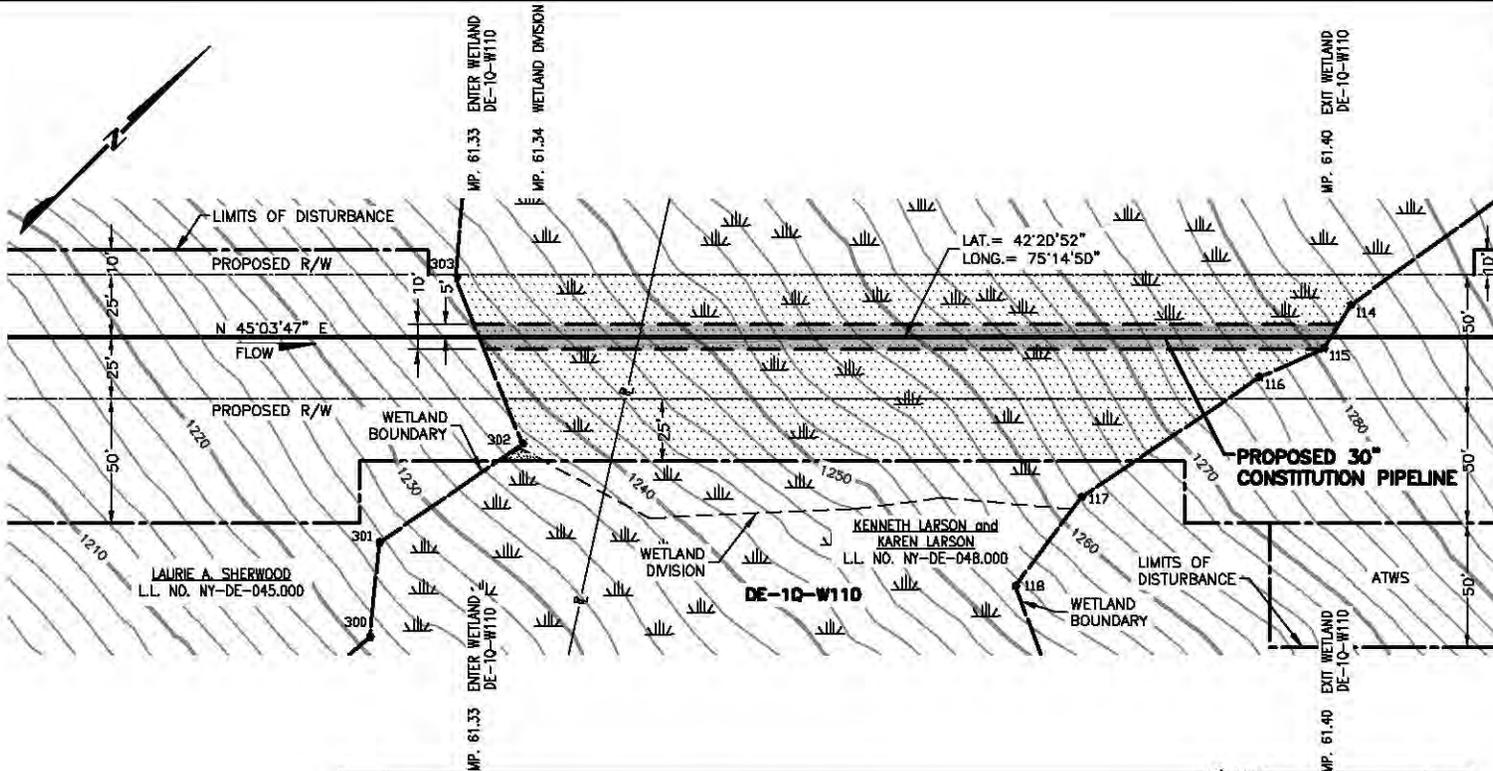
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
1	08-18-13	GE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
2	08-19-13	GE	ISSUE FOR USE	1110415		
1	10-28-13	GE	REVISED - ISSUE FOR USE	1110415		
2	10-30-13	GE	REVISED - ISSUE FOR USE	1110415		
3	10-31-13	GE	ISSUE FOR USE	1110415		

APPLICATION NO.: NAN-2012-00449-UBR

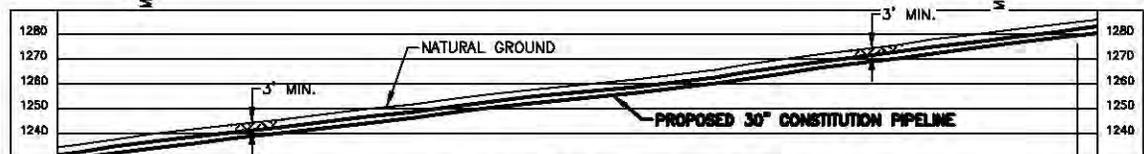
GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING DE-1W-W136 @ M.P. 61.13
TOWN OF SIDNEY
DELAWARE COUNTY, NEW YORK

ISSUED FOR CONSTRUCTION: 07-22-2013
ISSUED FOR CONSTRUCTION: 26-20-85/DE-1W-W136-1-3
SCALE: 1" = 80'
SHEET 215 OF 362



VICINITY MAP
USGS QUAD MAP: BINGHAMTON, NY.
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 EDP BMP TYPICAL DETAILS.
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Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres)				State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
			Construction PFO	Construction PSS	Operation PEM	Operation PSS			
DE-1Q-W110	PSS	343	0.54		0.08	N/A	N	Conventional	
DE-1Q-W110	PFO	0	0.01			N/A	N	N/A	

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

PLAN/PROFILE
SCALE IN FEET
SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

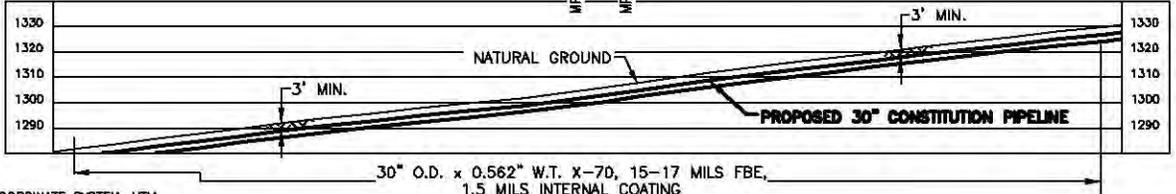
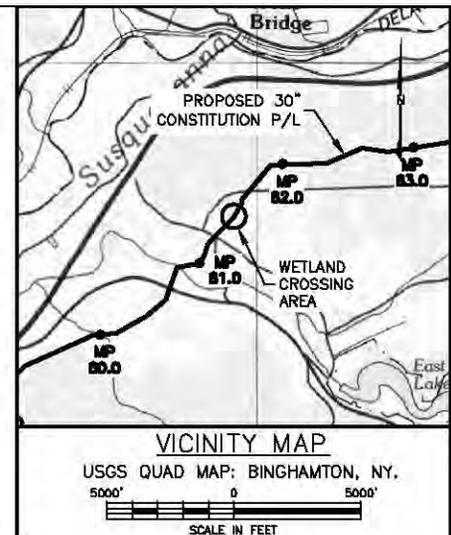
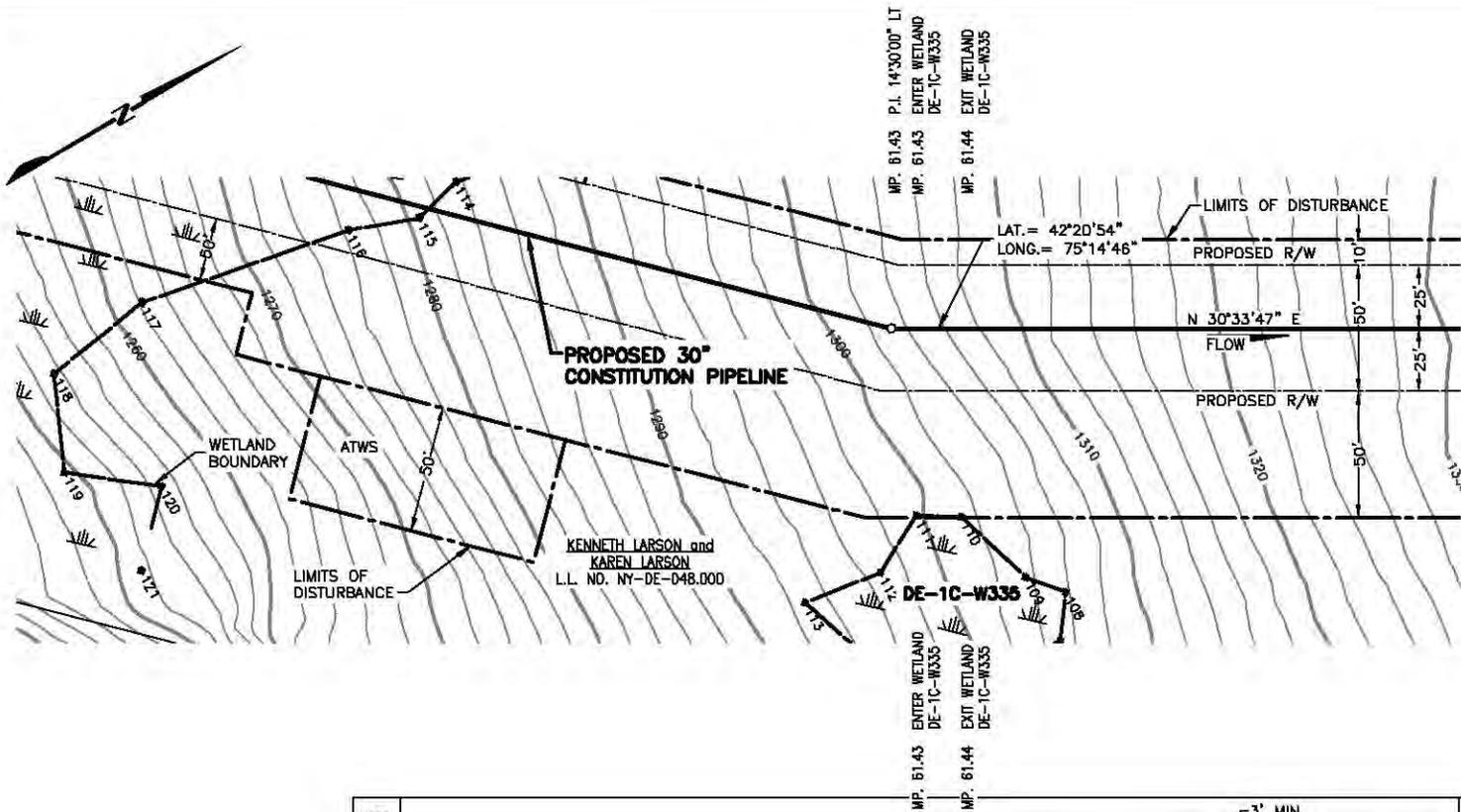
DRAWING NO.		REFERENCE TITLE				
26-28-70/0001-63		ALIGNMENT SHEET				
NO.	DATE	BY	REVISION DESCRIPTION	W.D. NO.	CHK.	APP.
0	08-18-13	GE	ISSUE FOR USE	1110415		
1	08-18-13	GE	REVISED - ISSUE FOR USE	1110415		
2	08-23-13	GE	REVISED - ISSUE FOR USE	1110415		
3	10-25-13	GE	REVISED - ISSUE FOR USE	1110415		
4	10-31-13	GE	ISSUE FOR USE	1110415		

APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
ACDE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING DE-10-W110 @ M.P. 61.33
TOWN OF SIDNEY
DELAWARE COUNTY, NEW YORK

DRAWN BY: GIE DATE: 08-01-13 ISSUED FOR BID: SCALE: 1" = 80'
CHECKED BY: DATE: ISSUED FOR CONSTRUCTION:
APPROVED BY: DATE: DRAWING NUMBER: 26-20-85/DE-10-W110-1-4 SHEET 216 OF 362
WC: 1110415



- NOTES:**
- BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
 - ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
 - WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
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 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 PFD WETLANDS.

Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres)						State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
			Construction		Operation		PFD	PSS			
			PFO	PSS	PEM	PFO					
DE-1C-W335	PSS	0		0.01					N/A	N	N/A

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

PLAN/PROFILE

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

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

APPLICATION NO.: NAN-2012-00449-UBR

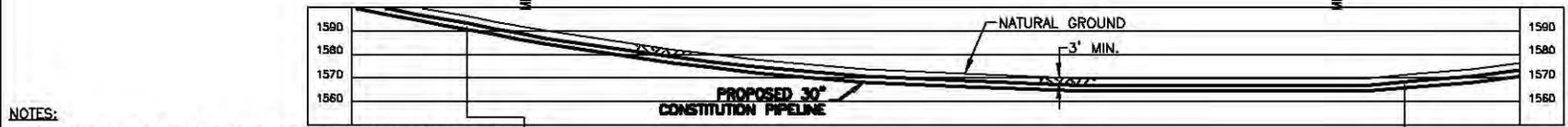
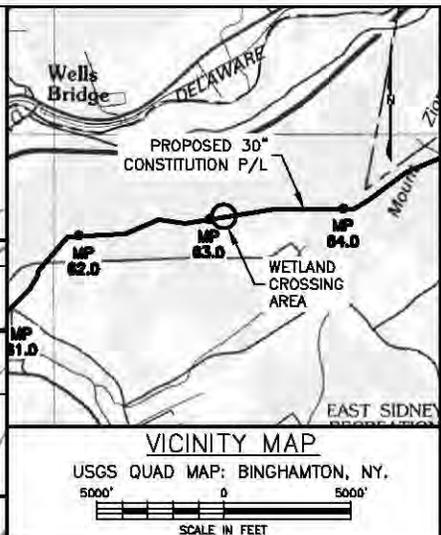
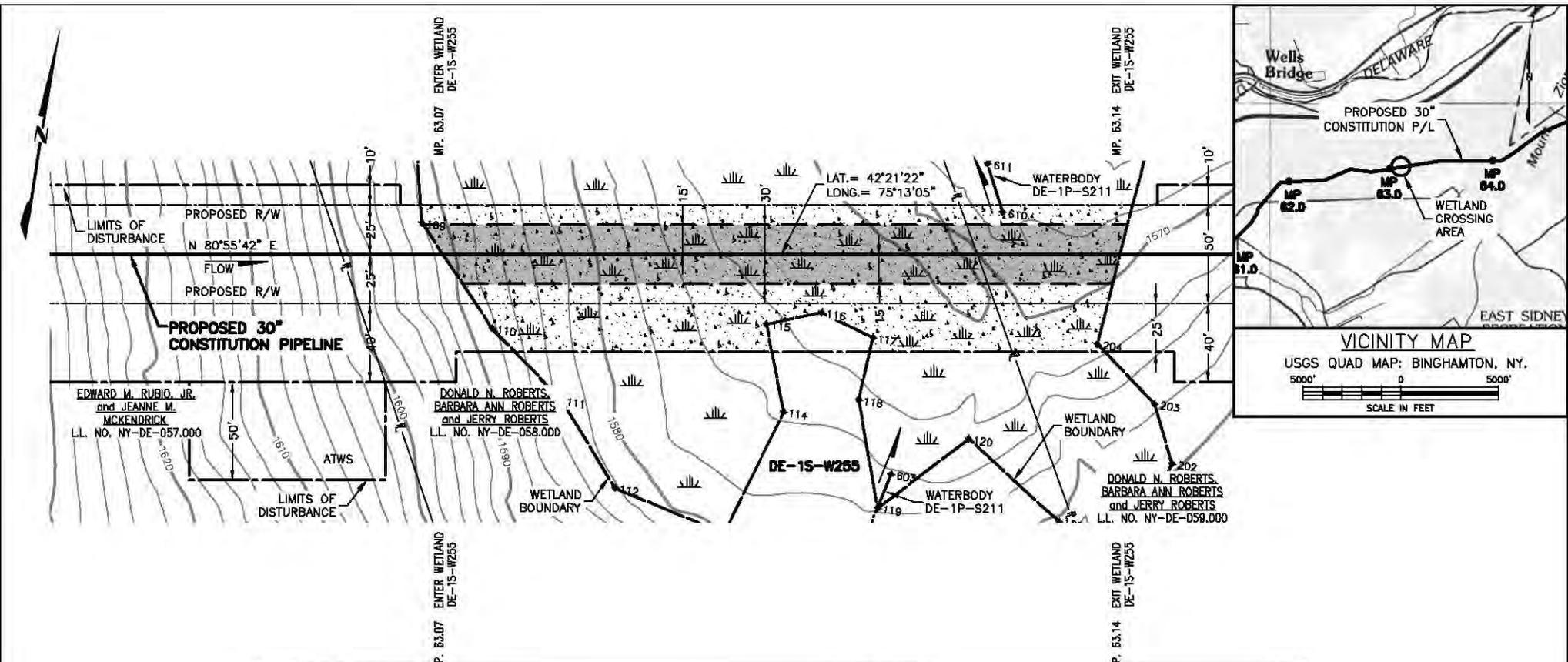
GULF INTERSTATE ENGINEERING
 HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
 ACDE & NYSDEC JOINT PERMIT
 PROPOSED 30" NATURAL GAS PIPELINE
 WETLAND CROSSING DE-1C-W335 @ M.P. 61.43
 TOWN OF SIDNEY
 DELAWARE COUNTY, NEW YORK

ISSUED FOR CONSTRUCTION: SCALE: 1" = 80'

ISSUED FOR CONSTRUCTION:

DRAWN BY: GIE DATE: 08-01-13
 CHECKED BY: DATE:
 APPROVED BY: DATE:
 W.O. NUMBER: 26-20-85/DE-1C-W335-1-0 SHEET 217 OF 362



- NOTES:**
- BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD83 US SURVEY FEET.
 - ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD83 US SURVEY FEET.
 - WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
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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				
DE-15-W255	PFO	346	0.56				0.24		N/A	N	Conventional

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

PLAN/PROFILE

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

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-64	ALIGNMENT SHEET

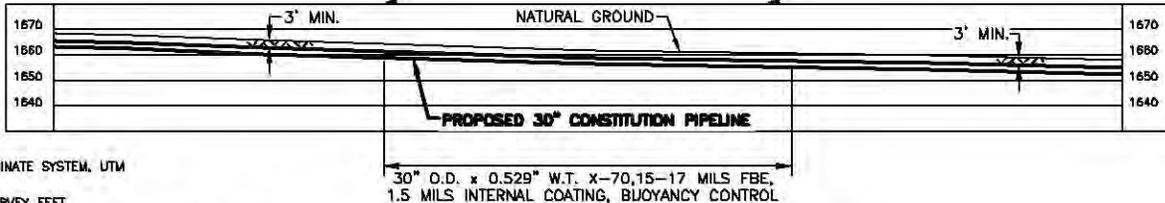
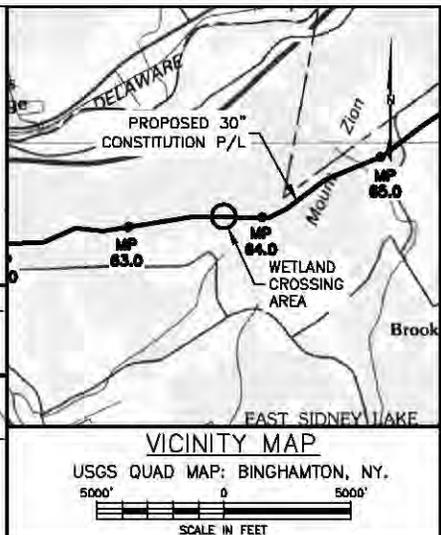
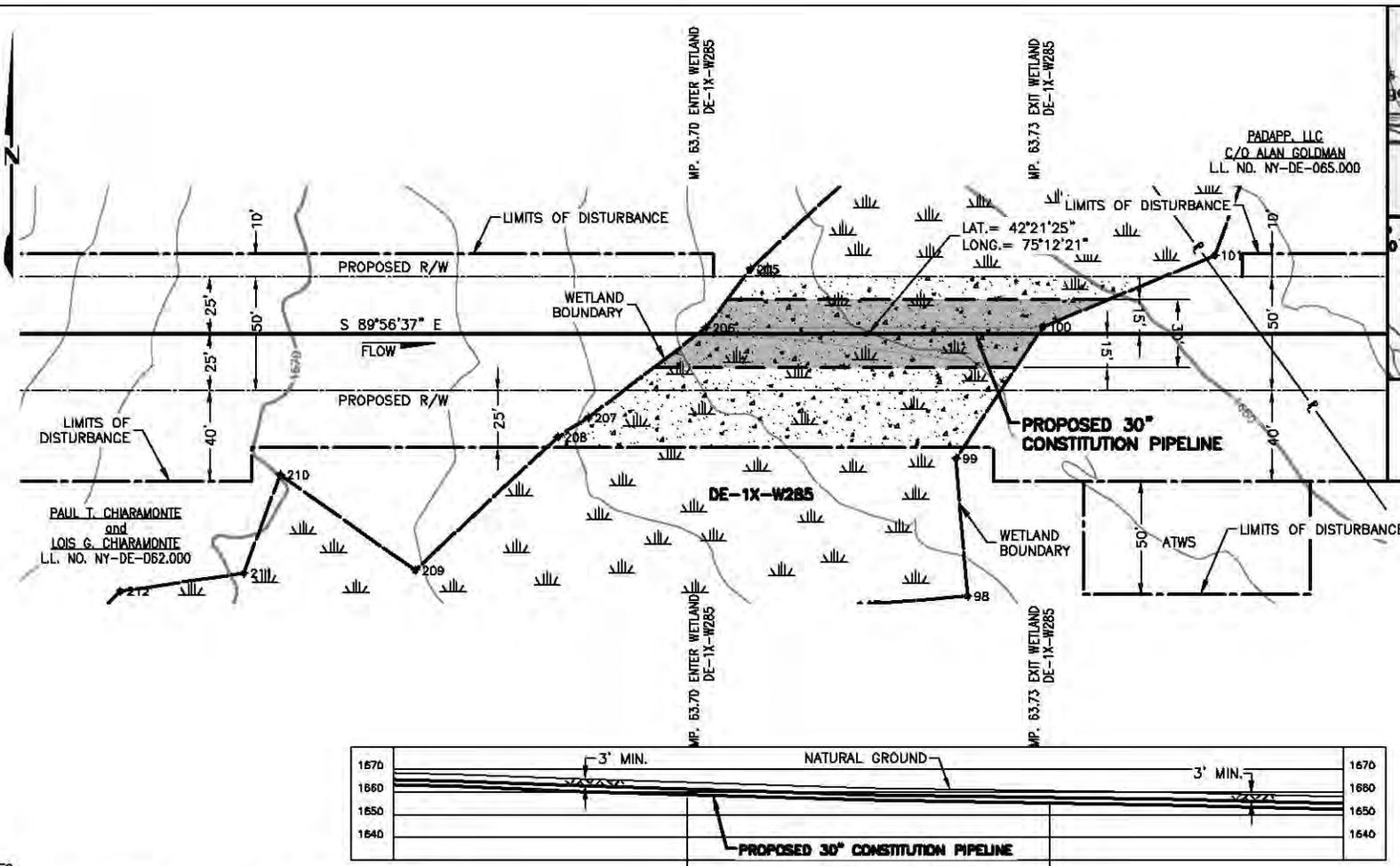
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
0	08-18-13	GE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
1	08-19-13	GE	ISSUE FOR USE	1110415		
1	08-12-13	GE	REVISED - ISSUE FOR USE	1110415		
2	10-04-13	GE	REVISED - ISSUE FOR USE	1110415		
3	10-23-13	GE	ISSUE FOR USE	1110415		

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 DE-15-W255 @ M.P. 63.07
TOWN OF SIDNEY
DELAWARE COUNTY, NEW YORK

DRAWN BY: GTE DATE: 08-06-13 ISSUED FOR BID: SCALE: 1"=80'
CHECKED BY: DATE: ISSUED FOR CONSTRUCTION:
APPROVED BY: DATE: DRAWING NUMBER: 26-20-85/DE-15-W255-1-3 SHEET 218 OF 362
WC: 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.
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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			
DE-1X-W285	PFO	150	0.29			0.11	N/A	N	Conventional	

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

PLAN/PROFILE

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

NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
0	08-17-13	GE	ISSUE FOR USE	1110415		
1	08-28-13	GE	REVISED - ISSUE FOR USE	1110415		
2	09-25-13	GE	REVISED - ISSUE FOR USE	1110415		
3	10-07-13	GE	REVISED - ISSUE FOR USE	1110415		
4	10-29-13	GE	ISSUE FOR USE	1110415		

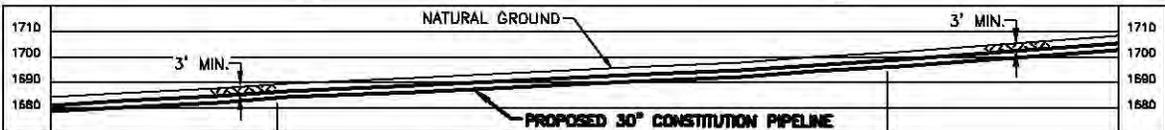
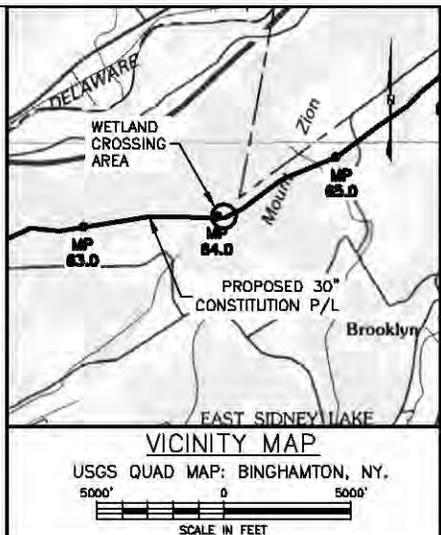
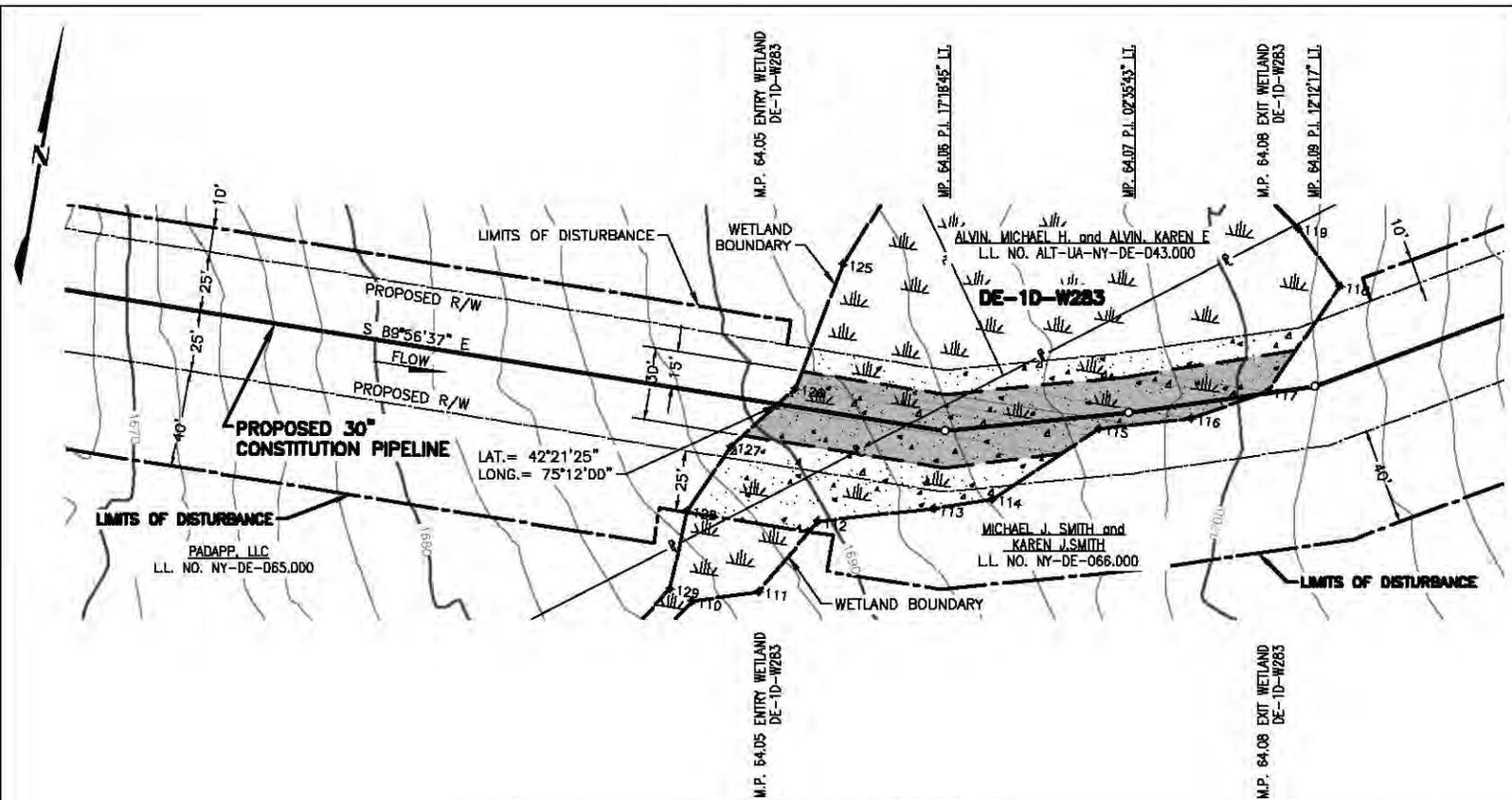
APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
 HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
 ACOE & NYSDEC JOINT PERMIT
 PROPOSED 30" NATURAL GAS PIPELINE
 WETLAND CROSSING DE-1X-W285 @ M.P. 63.7D
 TOWN OF SIDNEY
 DELAWARE COUNTY, NEW YORK

SCALE: 1" = 80'

DRAWN BY: GIE DATE: 08-06-13 ISSUED FOR BID: ISSUED FOR CONSTRUCTION:
 CHECKED BY: DATE: ISSUED FOR CONSTRUCTION:
 APPROVED BY: DATE: DRAWING NUMBER: 26-20-85/DE-1X-W285-1-4 SHEET 219 OF 362
 W.O. 1110415



- NOTES:**
- BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD83 US SURVEY FEET.
 - ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD83 US SURVEY FEET.
 - WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
 - 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.
 - WETLAND DELINEATION COMPLETED BY AECOM.
 - 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 PIPELINE COMPANY, LLC. 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			
DE-1D-W283	PFO	202	0.25			0.12		N/A	N	Conventional

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

PLAN/PROFILE

SCALE IN FEET

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

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-65	ALIGNMENT SHEET

NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
0	08-18-13	GE	ISSUE FOR USE	1110415		
1	08-18-13	GE	REVISED - ISSUE FOR USE	1110415		
2	08-23-13	GE	REVISED - ISSUE FOR USE	1110415		
3	10-11-13	GE	REVISED - ISSUE FOR USE	1110415		
4	10-23-13	GE	ISSUE FOR USE	1110415		

APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
 HOUSTON, TEXAS

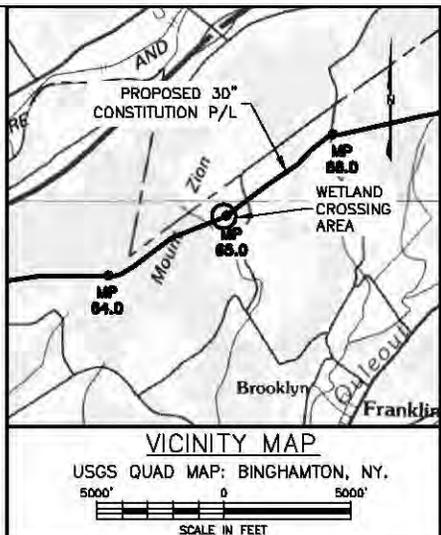
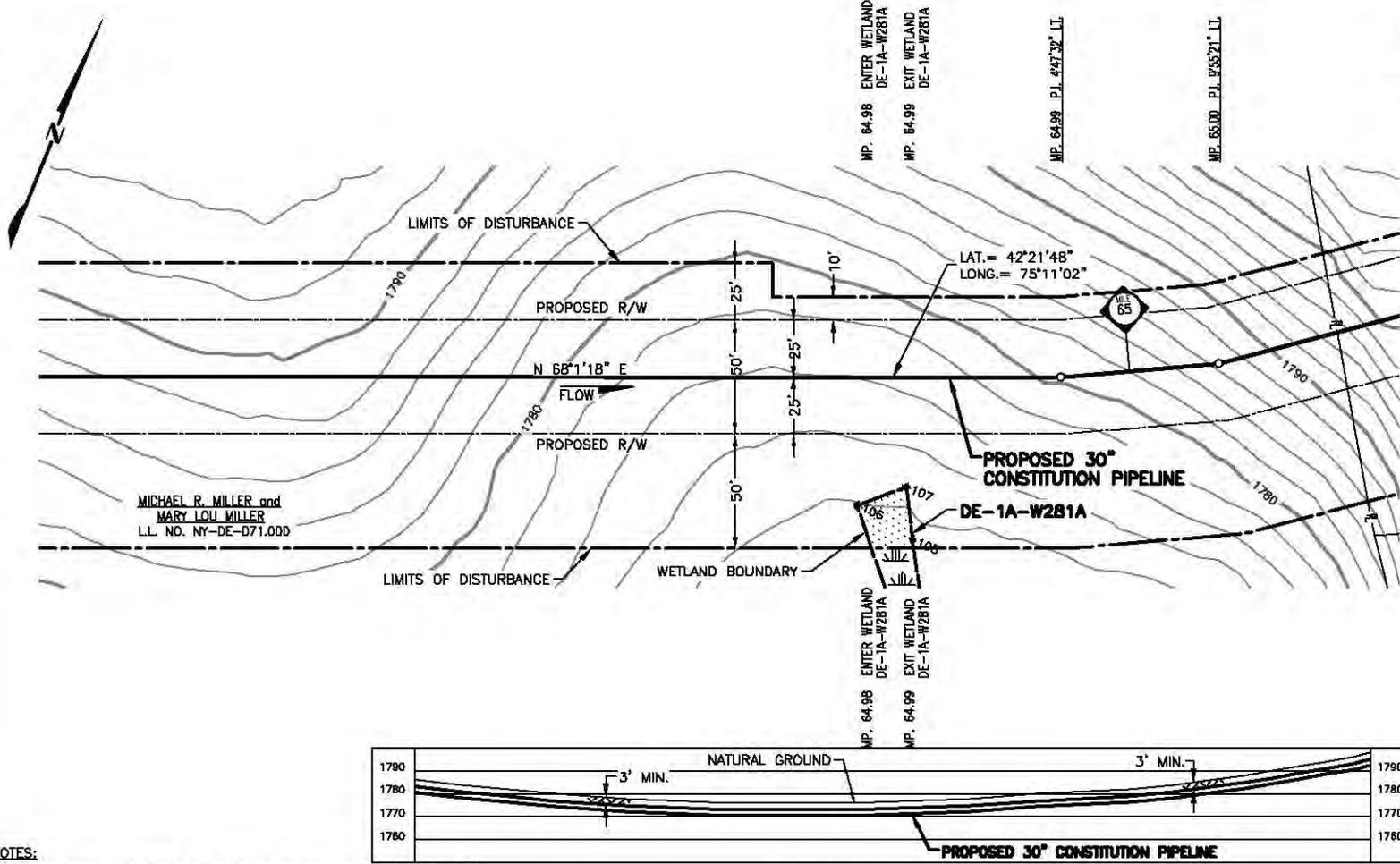
CONSTITUTION PIPELINE COMPANY, LLC.
 ACOE & NYSDEC JOINT PERMIT
 PROPOSED 30" NATURAL GAS PIPELINE
 WETLAND CROSSING DE-1D-W283 @ M.P. 64.05
 TOWN OF SIDNEY
 DELAWARE COUNTY, NEW YORK

DRAWN BY: GIE DATE: 04-18-2013 ISSUED FOR BID: SCALE: 1" = 80'

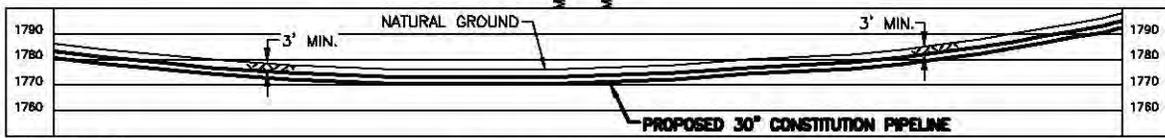
CHECKED BY: DATE: ISSUED FOR CONSTRUCTION:

APPROVED BY: DATE: DRAWING NUMBER: 26-20-85/DE-1D-W283-1-4 SHEET 221 OF 362

W.O. 1110415



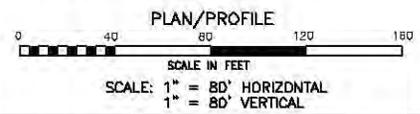
MICHAEL R. MILLER and
MARY LOU MILLER
L.L. NO. NY-DE-D71.000



NOTES:

- BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
- ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
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30" O.D. x 0.529" W.T. X-70,15-17
MILS FBE, 1.5 MILS INTERNAL COATING



APPLICATION NO.: NAN-2012-00449-U09

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

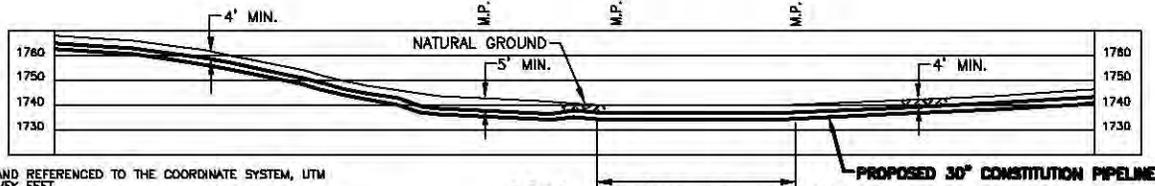
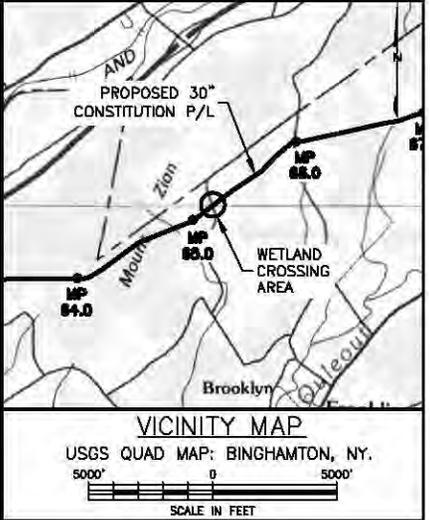
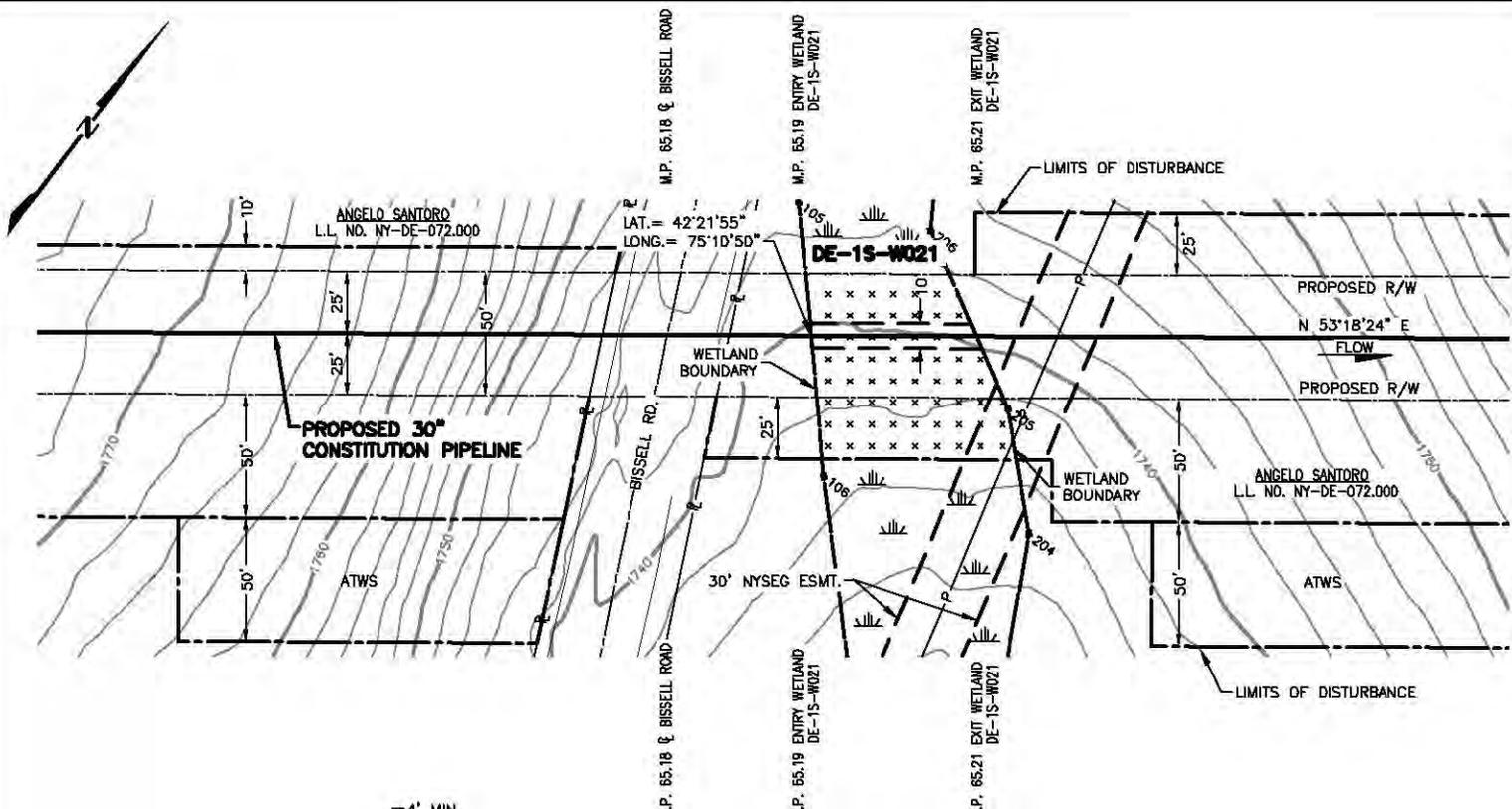
CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING DE-1A-W281A @ M.P. 64.98
TOWN OF FRANKLIN
DELAWARE COUNTY, NEW YORK

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			
DE-1A-W281A	PSS		0.01				N/A	N/A	N/A	

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

NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	08-29-13	GE	ISSUED FOR CLIENT REVIEW	1110415		
B	10-25-13	GE	ISSUED FOR CLIENT REVIEW	1110415		
D	10-31-13	GE	ISSUE FOR USE	1110415		

DRAWN BY: GIE	DATE: 08-25-2013	ISSUED FOR BID:	SCALE: 1" = 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/DE-1A-W281A-1-D	SHEET 222 OF 362
WC: 1110415			



NOTES:

- BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD83 US SURVEY FEET.
- ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD83 US SURVEY FEET.
- WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
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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.

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

PLAN/PROFILE
 SCALE: 1" = 80' HORIZONTAL
 1" = 80' VERTICAL

DRAWING NO.		REFERENCE TITLE				
28-28-70/0001-66		ALIGNMENT SHEET				
NO.	DATE	BY	REVISION DESCRIPTION	W.D. NO.	CHK.	APP.
0	08-18-13	GE	REMOVED - ISSUED FOR CLIENT REVIEW	1110415		
1	08-21-13	GE	ISSUE FOR USE	1110415		
2	10-25-13	GE	REMOVED - ISSUE FOR USE	1110415		
3	10-31-13	GE	ISSUE FOR USE	1110415		

APPLICATION NO.: NAN-2012-00449-UBR

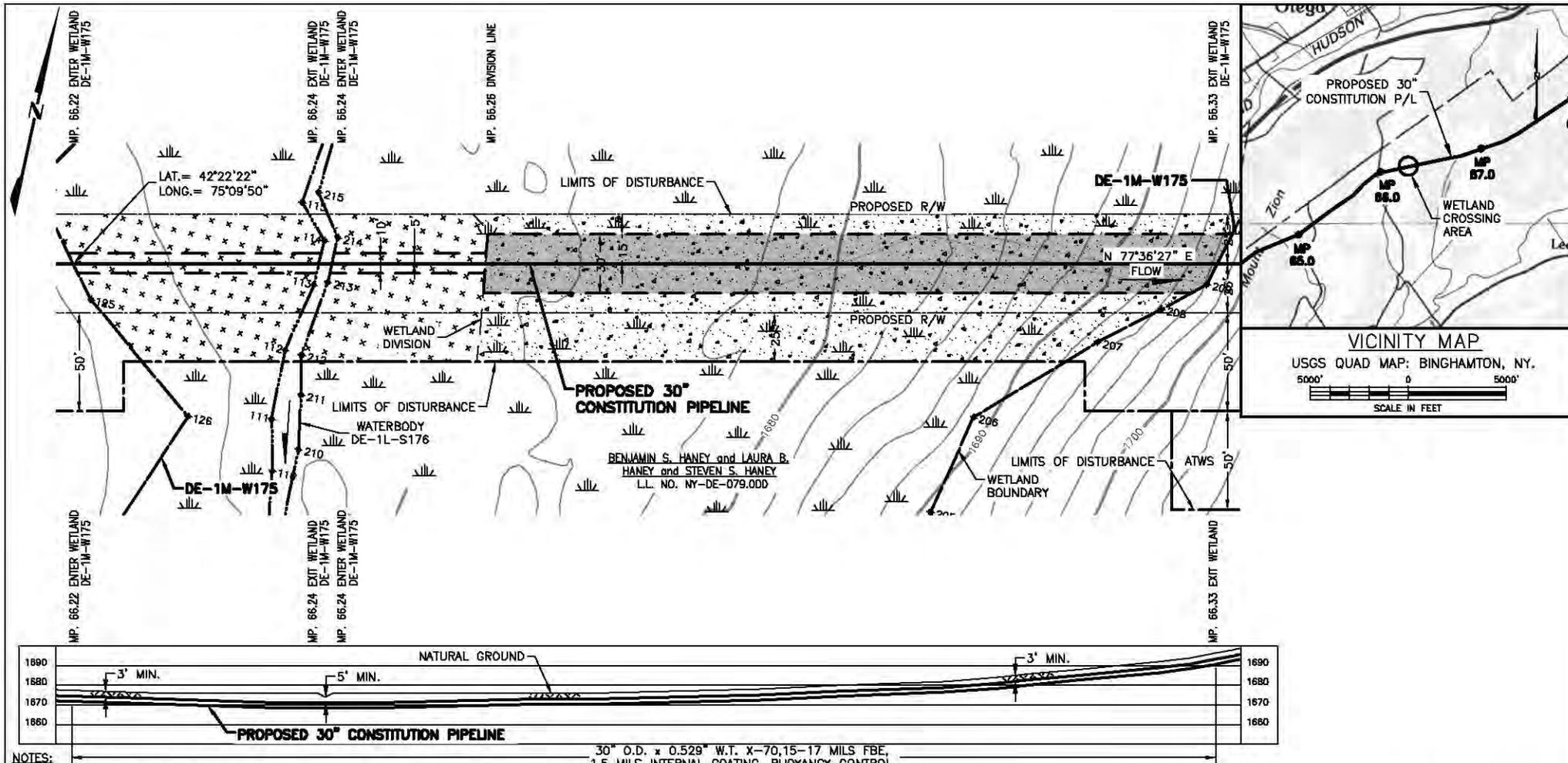


CONSTITUTION PIPELINE COMPANY, LLC.
 ACCE & NYSDEC JOINT PERMIT
 PROPOSED 30" NATURAL GAS PIPELINE
 WETLAND CROSSING DE-15-W021 @ M.P. 65.19
 TOWN OF FRANKLIN
 DELAWARE COUNTY, NEW YORK



Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres)				State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
			Construction PFO	Construction PSS	Operation PEM	Operation PSS			
DE-15-W021	PEM	67			0.12		N/A	N	Conventional, Conventional Bore

DRAWN BY: GIE	DATE: 04-18-2013	ISSUED FOR BID:	SCALE: 1" = 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/DE-15-W021-1-3	SHEET 223 OF 362
W.D. 1110415			



- NOTES:**
- BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD83 US SURVEY FEET.
 - ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD83 US SURVEY FEET.
 - WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
 - THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN THE EDP BMP TYPICAL DETAILS.
 - WETLAND DELINEATION COMPLETED BY AECOM.
 - 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			
DE-1M-W175	PEM PFO	576	0.61	0.33	0.26		N/A	N	Conventional	

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

PLAN/PROFILE

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

NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
0	08-18-13	GE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
0	08-19-13	GE	ISSUE FOR USE	1110415		
1	08-30-13	GE	REVISED - ISSUE FOR USE	1110415		
2	10-23-13	GE	REVISED - ISSUE FOR USE	1110415		
3	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 DE-1M-W175 @ M.P. 66.22
TOWN OF FRANKLIN
DELAWARE COUNTY, NEW YORK

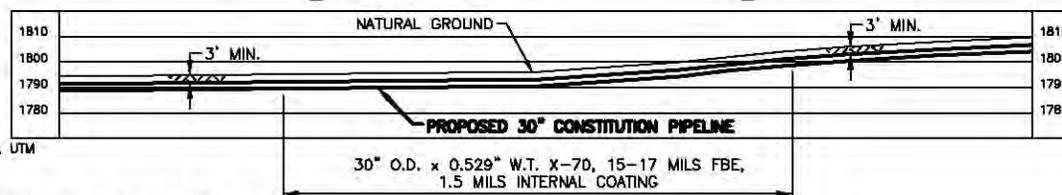
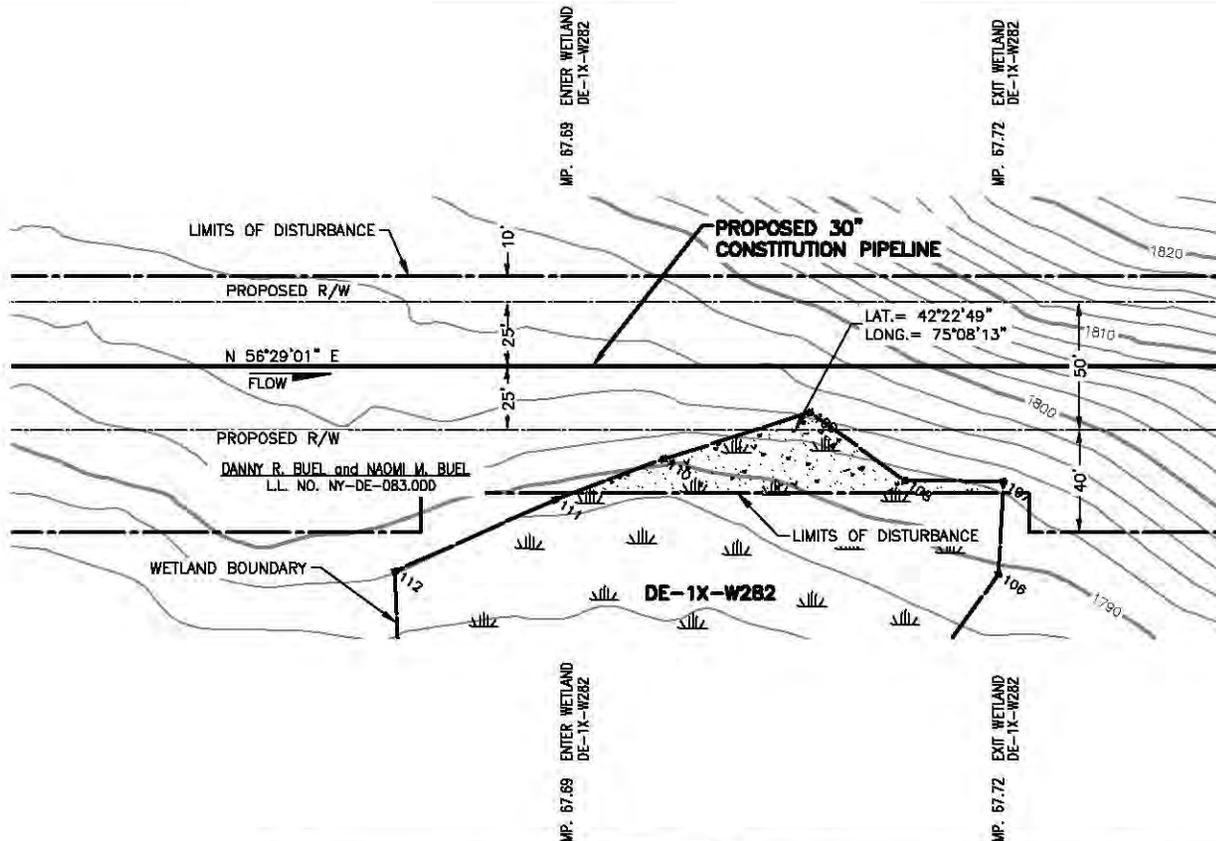
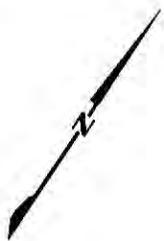
ISSUED FOR CONSTRUCTION: 04-18-2013

ISSUED FOR BID: 26-20-85/DE-1M-W175-1-3

SCALE: 1" = 80'

W.C. 1110415

SHEET 224 OF 362



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			
DE-1X-W282	PFO	0	0.06					N/A	N	N/A

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

PLAN/PROFILE

SCALE IN FEET
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NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
0	08-16-13	GE	REMOVED - ISSUED FOR CLIENT REVIEW	1110415		
0	08-16-13	GE	ISSUE FOR USE	1110415		
1	09-11-13	GE	REMOVED - ISSUE FOR USE	1110415		
2	10-25-13	GE	REMOVED - ISSUE FOR USE	1110415		
3	10-31-13	GE	ISSUE FOR USE	1110415		

APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
 HOUSTON, TEXAS

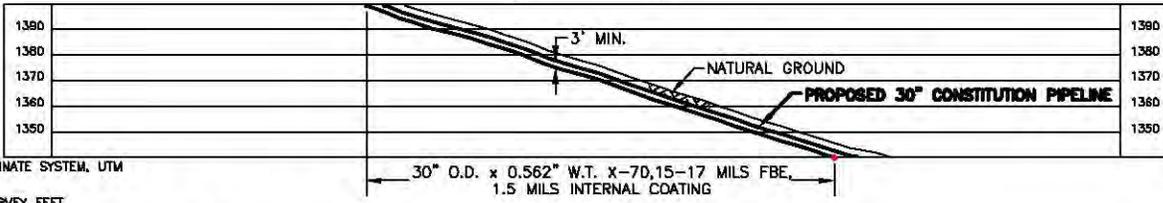
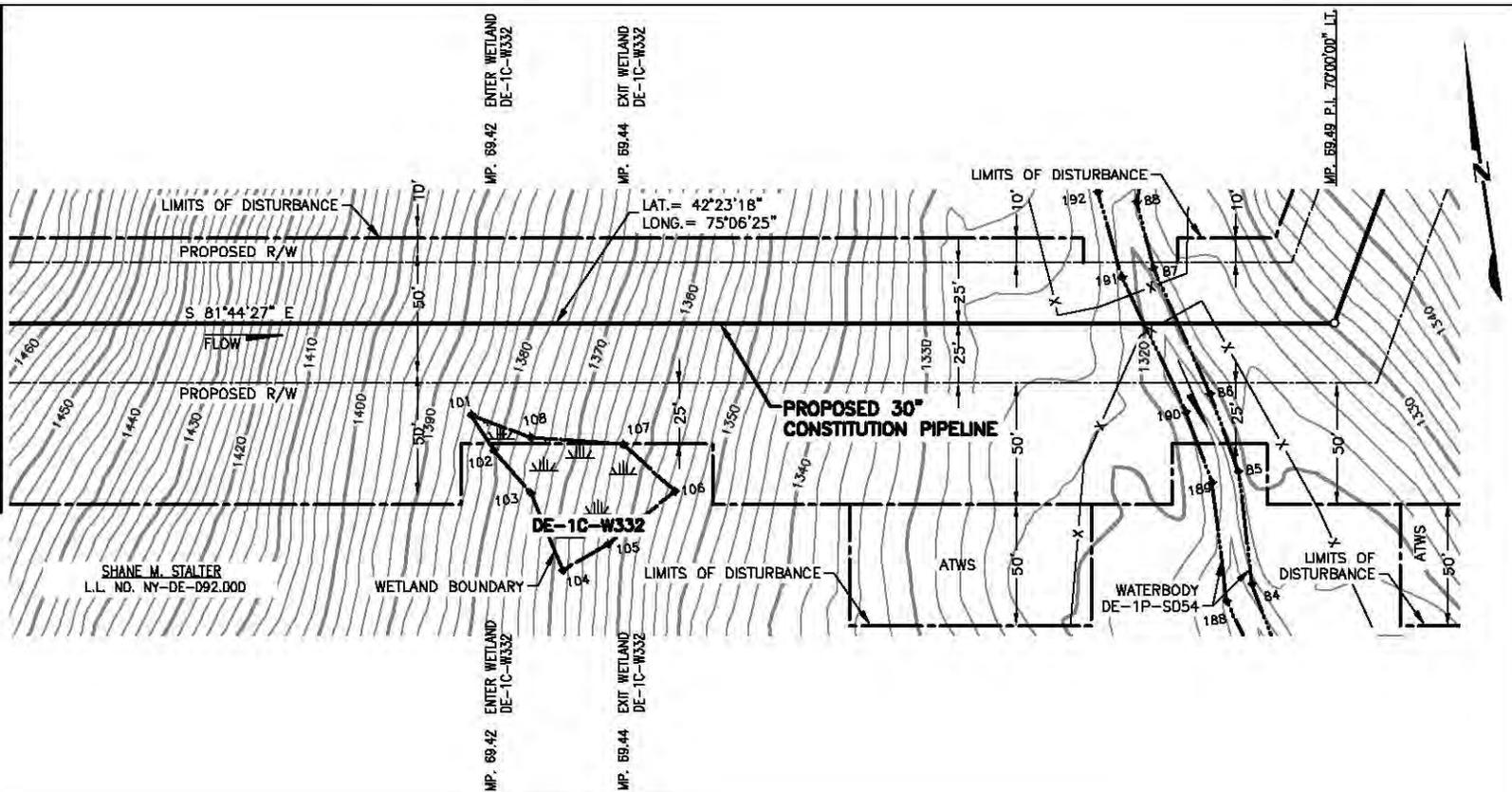
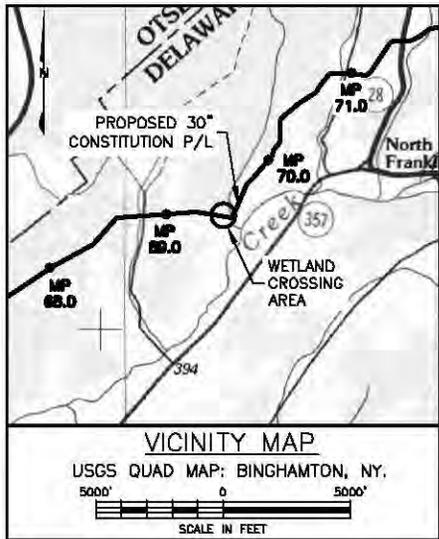
CONSTITUTION PIPELINE COMPANY, LLC.
 ACOE & NYSDEC JOINT PERMIT
 PROPOSED 30" NATURAL GAS PIPELINE
 WETLAND CROSSING DE-1X-W282 @ M.P. 67.69
 TOWN OF FRANKLIN
 DELAWARE COUNTY, NEW YORK

DRAWN BY: GIE DATE: 08-12-2013 ISSUED FOR BID: SCALE: 1" = 80'

CHECKED BY: DATE: ISSUED FOR CONSTRUCTION:

APPROVED BY: DATE: DRAWING NUMBER: 26-20-85/DE-1X-W282-1-3 SHEET 225 OF 362

WC: 1110415



- NOTES:**
- BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
 - ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
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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			
DE-1C-W332	PEM				0.01			N/A	N	N/A

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

PLAN/PROFILE

SCALE IN FEET
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 1" = 80' VERTICAL

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-71	ALIGNMENT SHEET

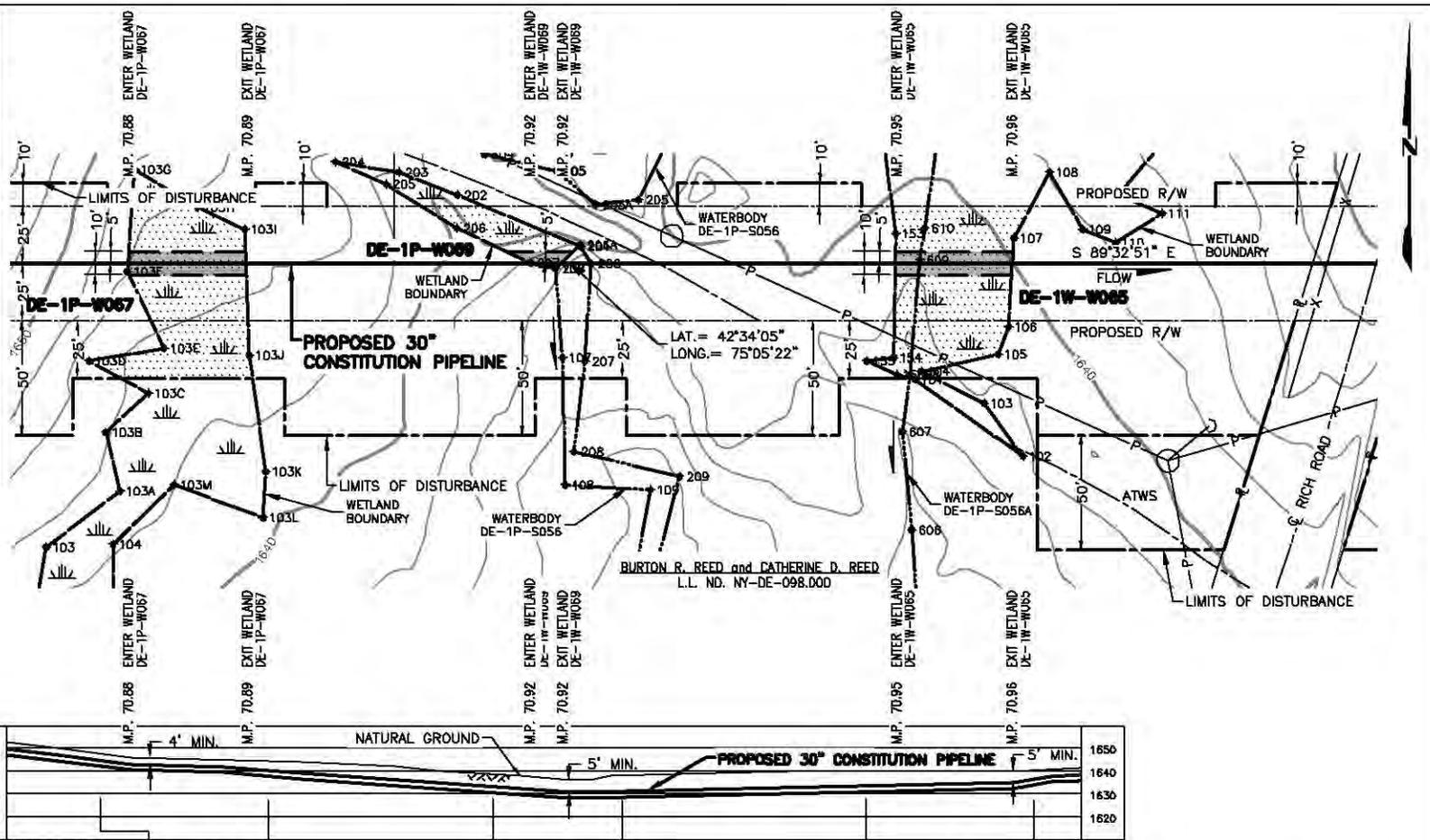
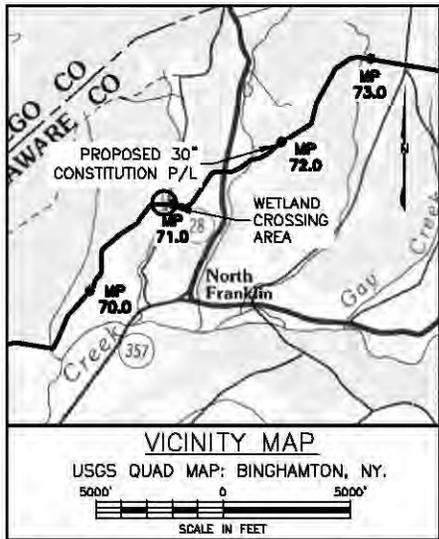
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	10-27-13	GE	ISSUED FOR CLIENT REVIEW	1110415		
B	10-31-13	GE	ISSUED FOR CLIENT REVIEW	1110415		
D	10-31-13	GE	ISSUE FOR USE	1110415		

APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
 HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
 ACDE & NYSDEC JOINT PERMIT
 PROPOSED 30" NATURAL GAS PIPELINE
 WETLAND CROSSING DE-1C-W332 @ M.P. 69.42
 TOWN OF FRANKLIN
 DELAWARE COUNTY, NEW YORK

DRAWN BY: GIE DATE: 10-27-13 ISSUED FOR BID: SCALE: 1" = 80'
 CHECKED BY: DATE: ISSUED FOR CONSTRUCTION:
 APPROVED BY: DATE: DRAWING NUMBER: 26-20-85/DE-1C-W332-1-0 SHEET 226 OF 362
 W.O. 1110415



NOTES:

- BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
- ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
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OPERATION ACREAGE = 10 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED IN HERBACEOUS VEGETATED COVER THROUGH PSS WETLANDS, AND 30 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED THROUGH PFD WETLANDS.

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

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			
DE-1P-W067	PSS	51		0.08			0.01	N/A	N	Conventional
DE-1P-W069	PSS	12		0.02			0.01	N/A	N	Conventional
DE-1P-W065	PSS	48		0.09			0.01	N/A	N	Conventional

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

PLAN/PROFILE

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

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-73	ALIGNMENT SHEET

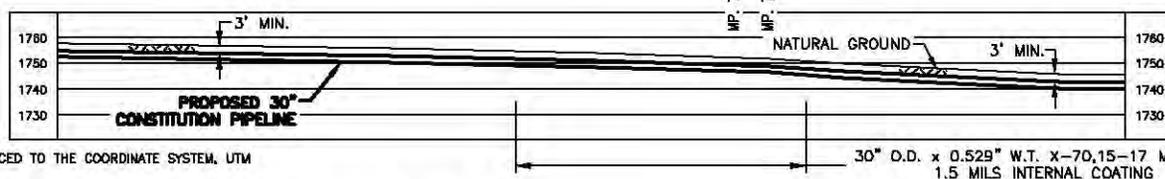
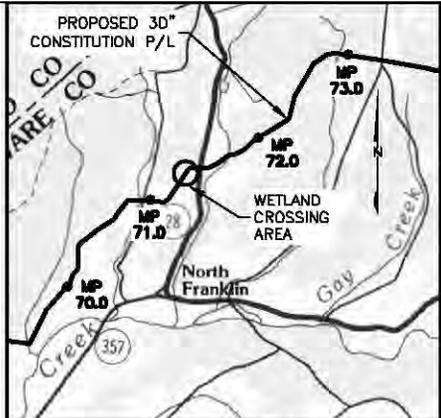
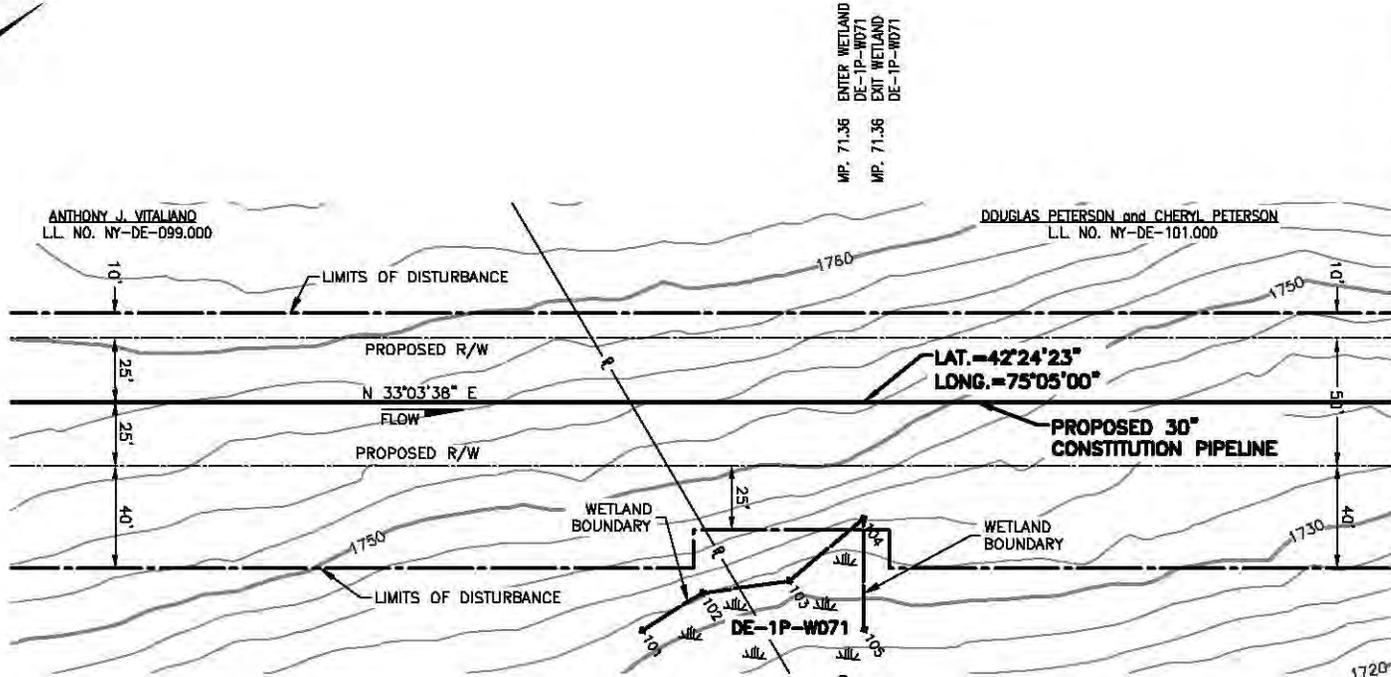
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
0	08-18-13	GE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
1	08-21-13	GE	ISSUE FOR USE	1110415		
1	08-23-13	GE	REVISED - ISSUE FOR USE	1110415		
2	10-25-13	GE	REVISED - ISSUE FOR USE	1110415		
3	10-30-13	GE	ISSUE FOR USE	1110415		

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 DE-1P-W067, DE-1W-W069
AND DE-1W-W065 @ M.P. 70.88
TOWN OF FRANKLIN, DELAWARE COUNTY, NEW YORK

DRAWN BY: GIE DATE: 04-06-2013 ISSUED FOR BID: SCALE: 1" = 80'
CHECKED BY: DATE: ISSUED FOR CONSTRUCTION:
APPROVED BY: DATE: DRAWING NUMBER: 26-20-85/DE-1P-W067-1-3 SHEET 227 OF 362
WC: 1110415

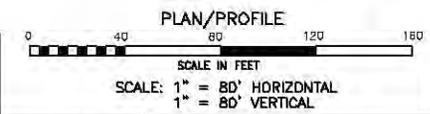


NOTES:

- BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD83 US SURVEY FEET.
- ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD83 US SURVEY FEET.
- WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
- 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.
- WETLAND DELINEATION COMPLETED BY AECOM.
- 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				
DE-1P-W071	PFO	0	0.01						N/A	N/A	N/A

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



DRAWING NO.		REFERENCE TITLE	
26-26-70/0001-73		ALIGNMENT SHEET	

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

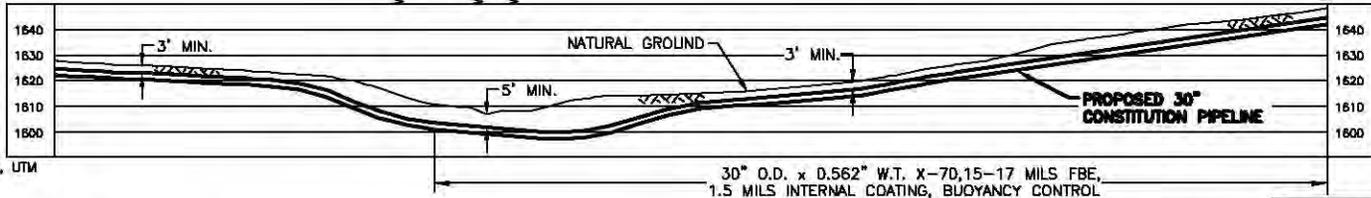
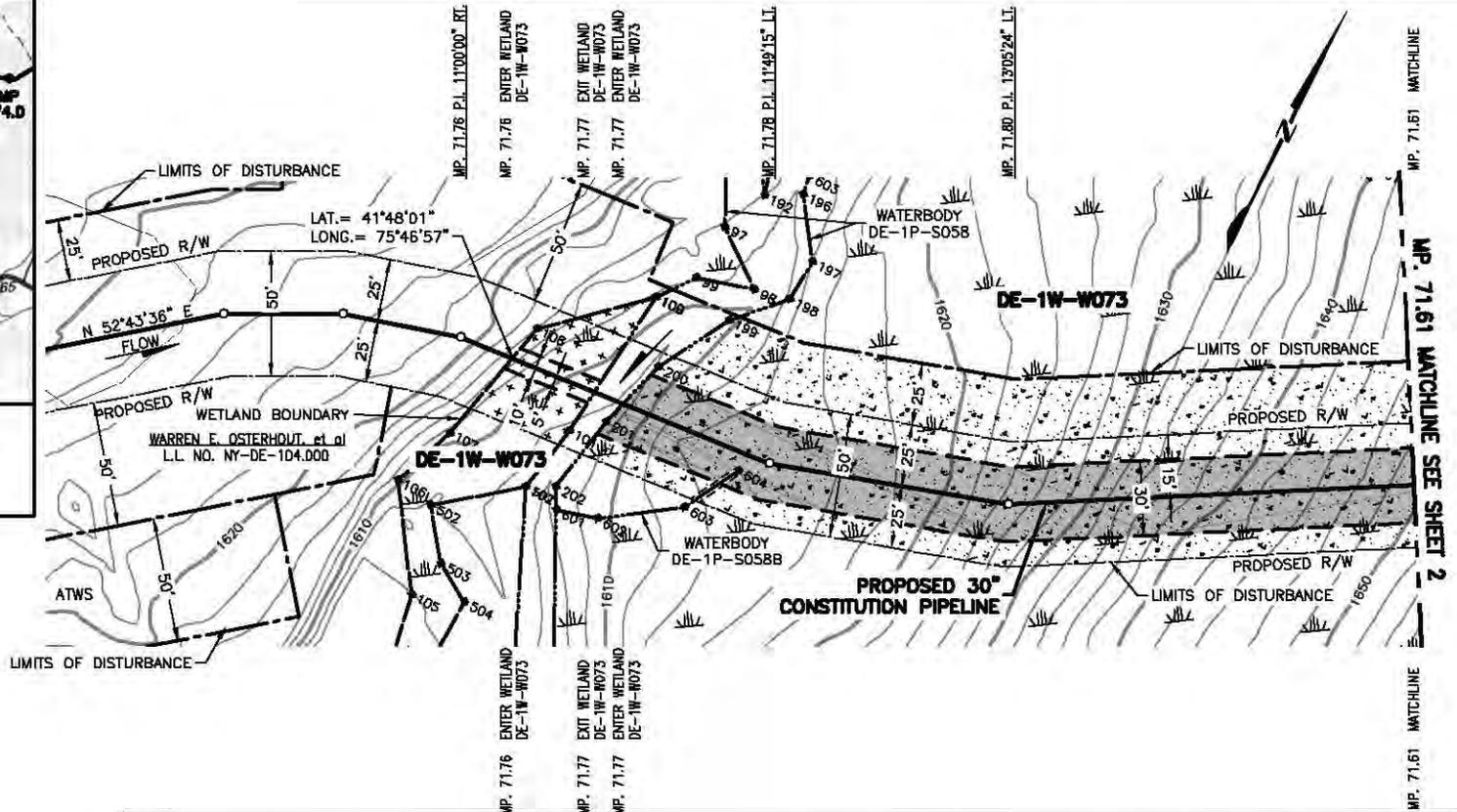
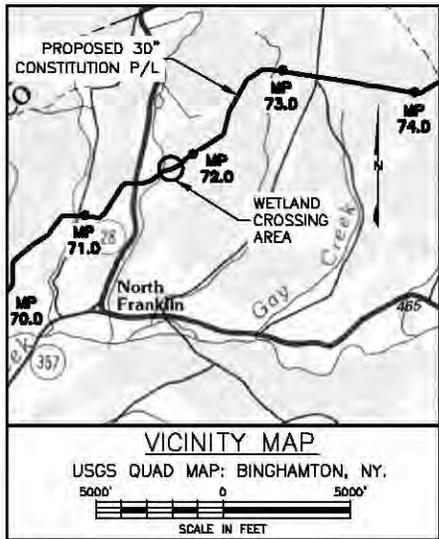
APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
 HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
 ACOE & NYSDEC JOINT PERMIT
 PROPOSED 30" NATURAL GAS PIPELINE
 WETLAND CROSSING DE-1P-W071 @ M.P. 71.36
 TOWN OF FRANKLIN
 DELAWARE COUNTY, NEW YORK

SCALE: 1" = 80'

DRAWN BY: GIE	DATE: 10-18-13	ISSUED FOR BID:	
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER:	26-20-85/DE-1P-W071-1-0
WC: 1110415			SHEET 228 OF 362



NOTES:

- BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
- ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
- WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
- THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN THE EDP BMP TYPICAL DETAILS.
- WETLAND DELINEATION COMPLETED BY AECOM.
- 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			
DE-1W-W073	PEM/PFO	355	1.10		0.04	0.45	N/A	N	Conventional	

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

NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
0	08-17-13	BE	ISSUE FOR USE	1110415		
1	08-14-13	BE	REVISED - ISSUE FOR USE	1110415		
2	08-20-13	BE	REVISED - ISSUE FOR USE	1110415		
3	10-11-13	BE	REVISED - ISSUE FOR USE	1110415		
4	10-30-13	BE	ISSUE FOR USE	1110415		

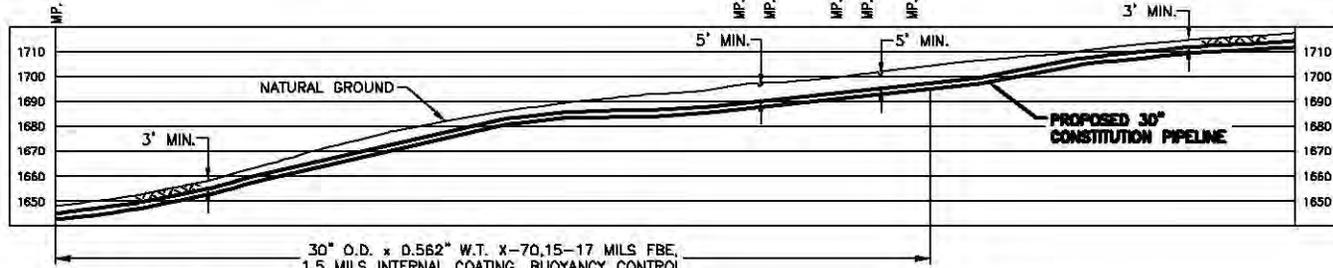
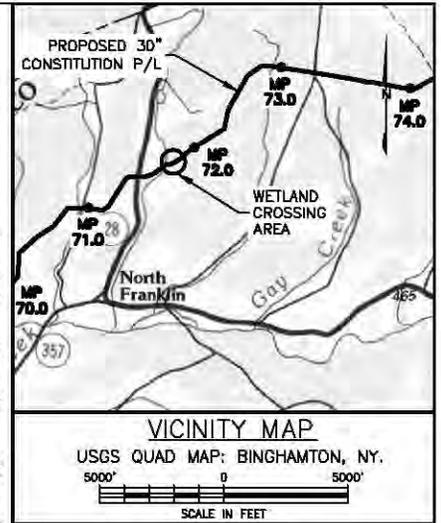
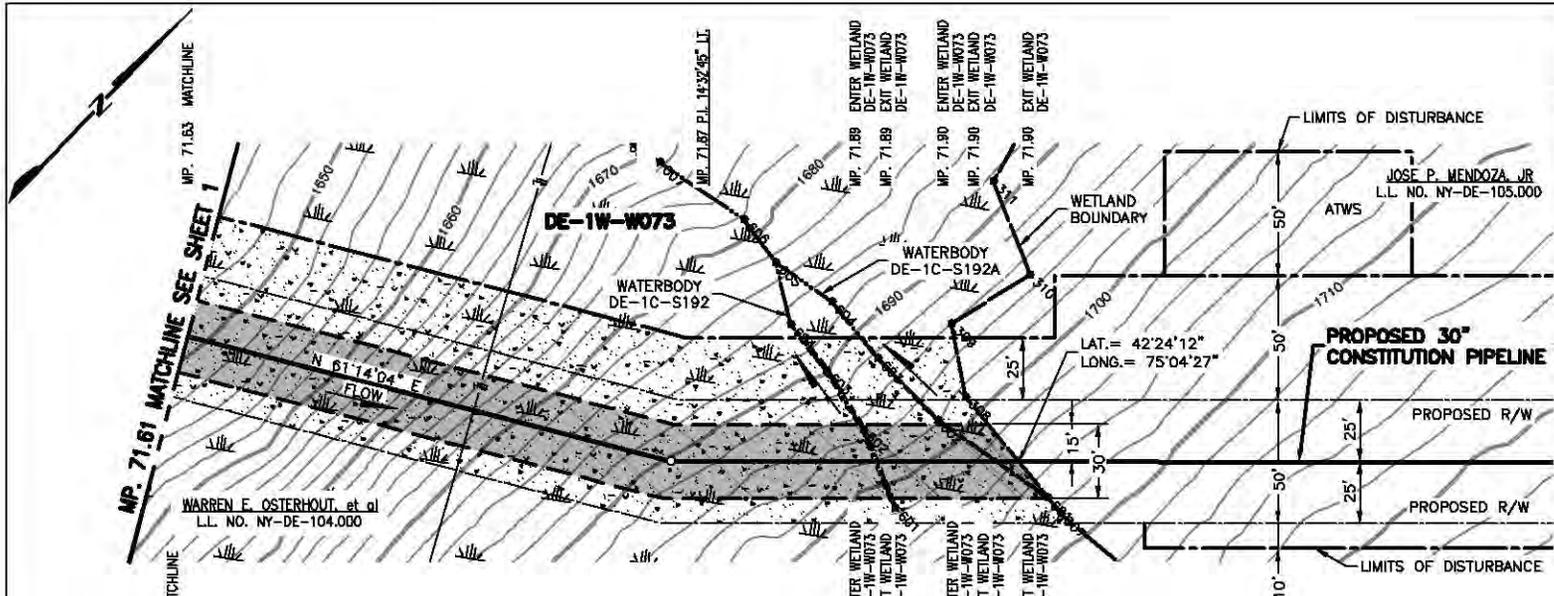
APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING DE-1W-W073 @ M.P. 71.76
TOWN OF FRANKLIN
DELAWARE COUNTY, NEW YORK

SCALE: 1" = 80'

DRAWN BY: GIE DATE: 04-18-2013
CHECKED BY: DATE:
APPROVED BY: DATE:
DRAWING NUMBER: 26-20-85/DE-1W-W073-1-4 SHEET 229 OF 362
WC: 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 EDP BMP TYPICAL DETAILS.
 5. WETLAND DELINEATION COMPLETED BY AECDM.
 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 ACRESAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY); OPERATION ACRESAGE = 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			
DE-1W-W073	PEM/PFO	342	1.10	0.04	0.45		N/A	N	Conventional

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

PLAN/PROFILE
 SCALE IN FEET
 SCALE: 1" = 80' HORIZONTAL
 1" = 80' VERTICAL

DRAWING NO.		REFERENCE TITLE	
26-28-70/0001-73	ALIGNMENT SHEET	26-28-70/0001-74	ALIGNMENT SHEET

NO.	DATE	BY	REVISION DESCRIPTION	W.D. NO.	CHK.	APP.
0	08-17-13	BE	ISSUE FOR USE	1110415		
1	09-14-13	BE	REVISED - ISSUE FOR USE	1110415		
2	09-26-13	BE	REVISED - ISSUE FOR USE	1110415		
3	10-11-13	BE	REVISED - ISSUE FOR USE	1110415		
4	10-29-13	BE	ISSUE FOR USE	1110415		

APPLICATION NO.: NAN-2012-00449-UBR

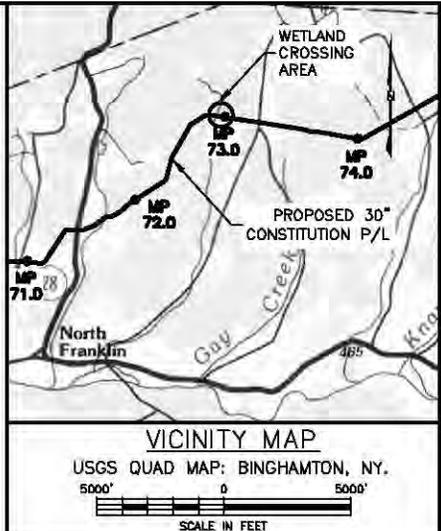
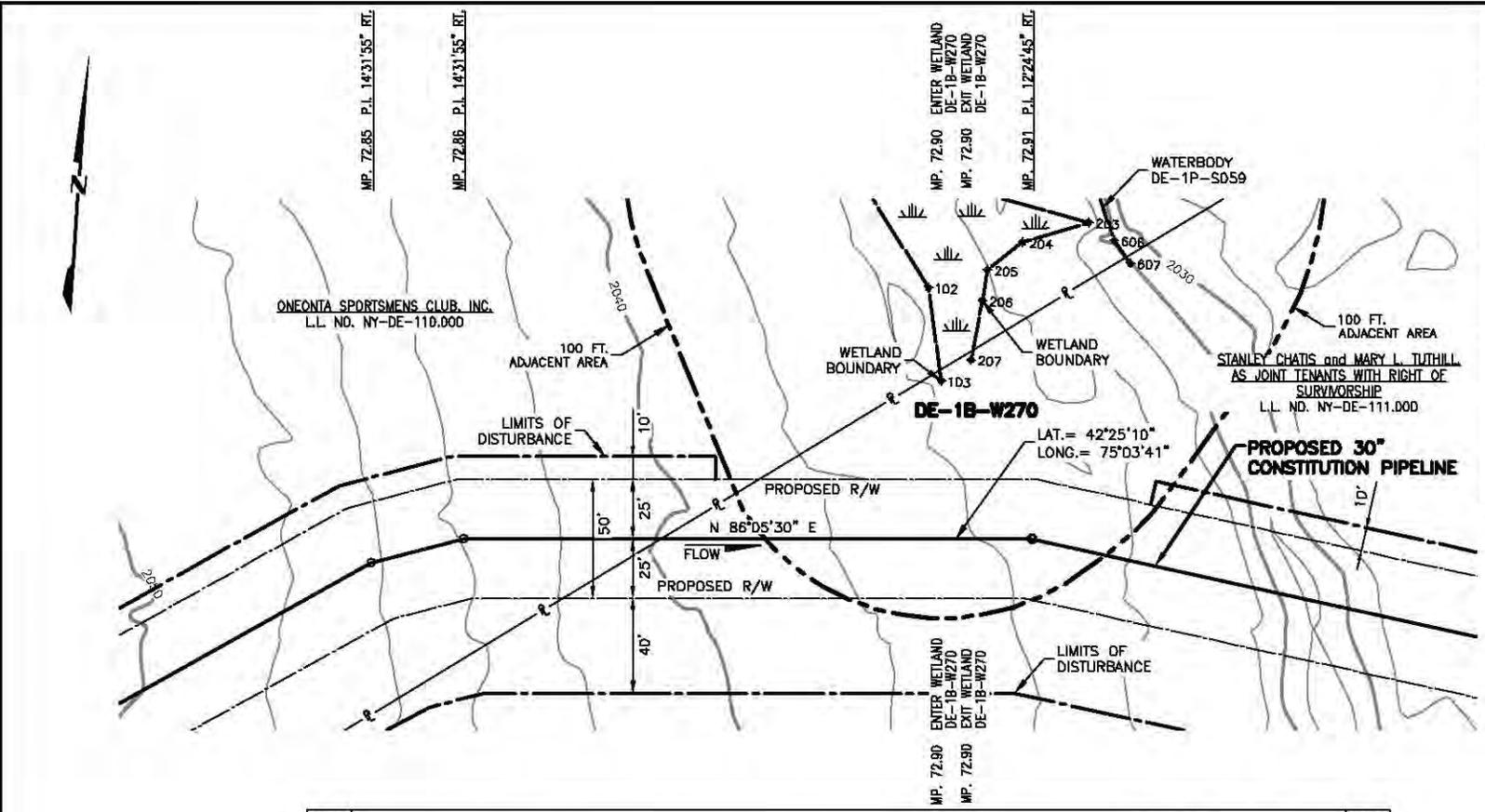
GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
 ACDE & NYSDEC JOINT PERMIT
 PROPOSED 30" NATURAL GAS PIPELINE
 WETLAND CROSSING DE-1W-W073 @ W.P. 71.76
 TOWN OF FRANKLIN
 DELAWARE COUNTY, NEW YORK

DRAWN BY: GIE DATE: 04-18-2013
 CHECKED BY: DATE:
 APPROVED BY: DATE:
 W.O. 1110415

SCALE: 1" = 80'

DRAWING NUMBER: 26-20-85/DE-1W-W073-2-4 SHEET 230 OF 362



- 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.

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

TROY L. KENNEDY JR

PLAN/PROFILE

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

DRAWING NO. 26-26-70/0001-75 REFERENCE TITLE ALIGNMENT SHEET

NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	11-16-13	GE	ISSUE FOR CLIENT REVIEW	1110415		
B	11-18-13	GE	ISSUE FOR USE	1110415		

N.Y. PROFESSIONAL ENGINEER NO. 69074

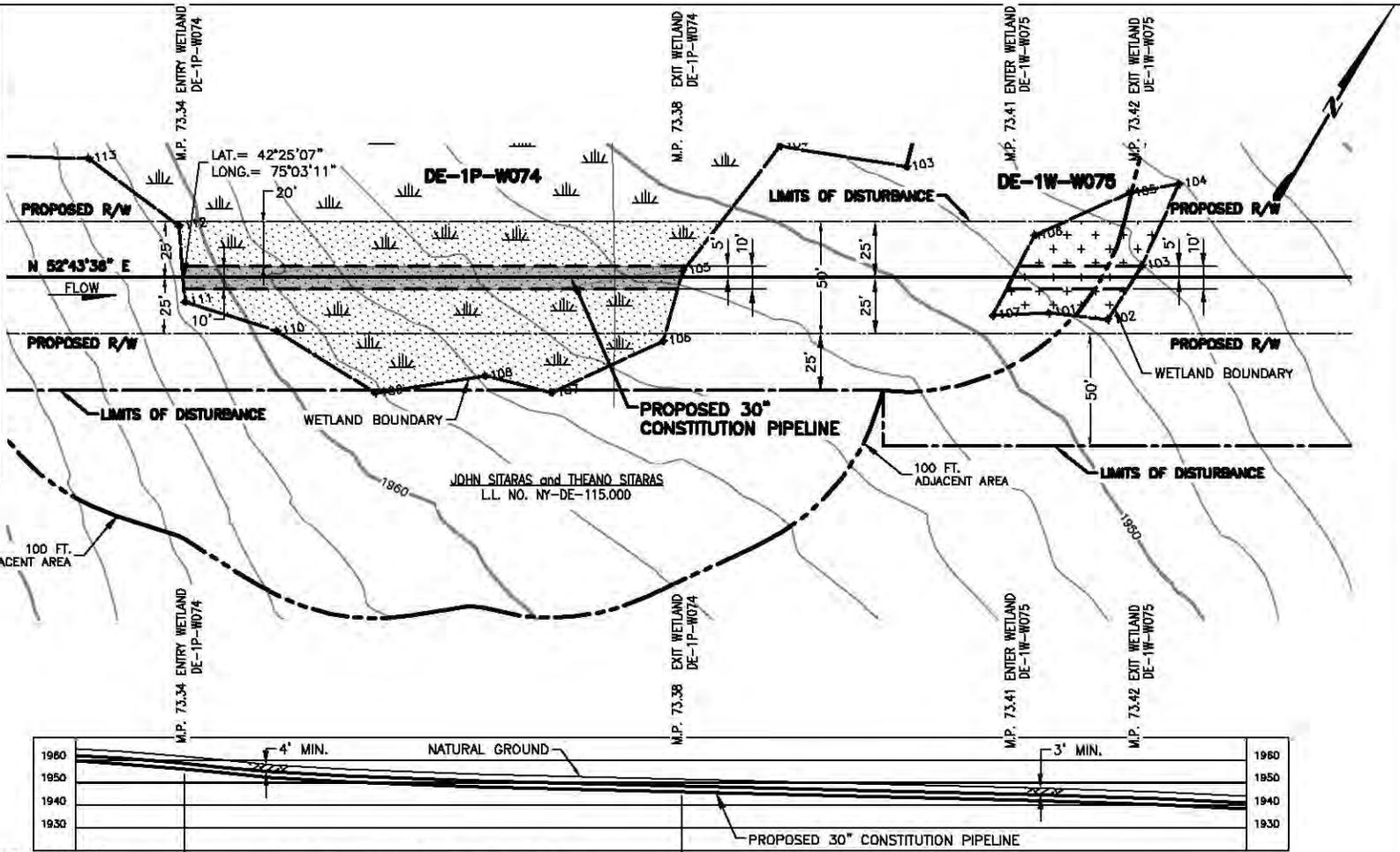
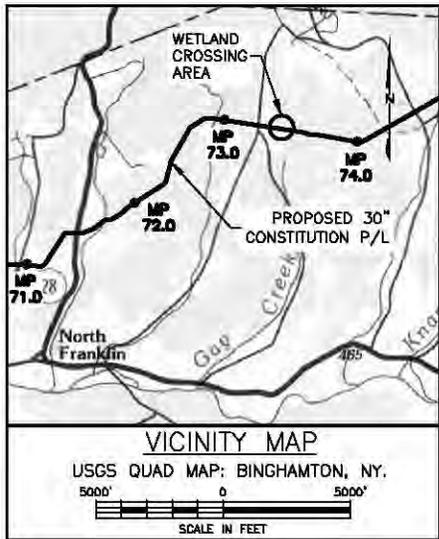
APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING DE-1B-W270 @ M.P. 72.90
TOWN OF FRANKLIN
DELAWARE COUNTY, NEW YORK

DRAWN BY: GIE DATE: 11-16-13 ISSUED FOR BID: SCALE: 1" = 80'
CHECKED BY: DATE: ISSUED FOR CONSTRUCTION:
APPROVED BY: DATE: DRAWING NUMBER: 26-20-85/DE-1B-W270-1-0 SHEET 231 OF 362
WC: 1110415

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				
DE-1B-W270								ON-3, Class II	Y	N/A	



- NOTES:**
- BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
 - ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
 - WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
 - 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.
 - WETLAND DELINEATION COMPLETED BY AECOM.
 - 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				
DE-1P-W074	PSS	221		0.32			0.05	ON-4, Class II	Y	Conventional	
DE-1W-W075	PEM	54			0.05			N/A	N	Conventional	

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

PLAN/PROFILE

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

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-75	ALIGNMENT SHEET

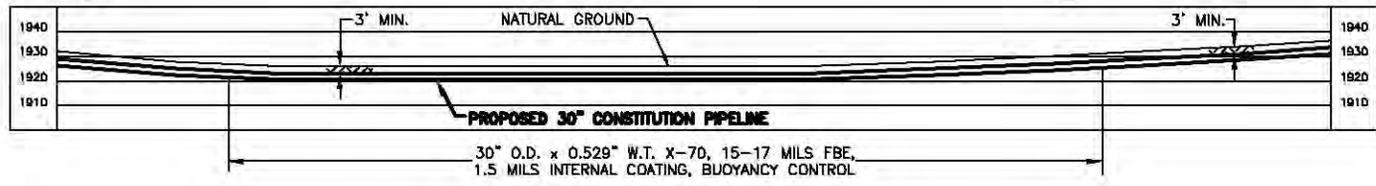
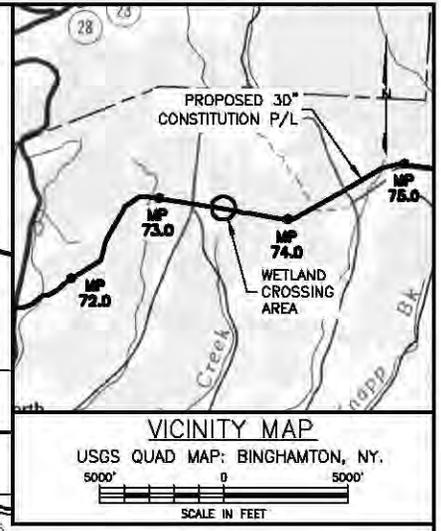
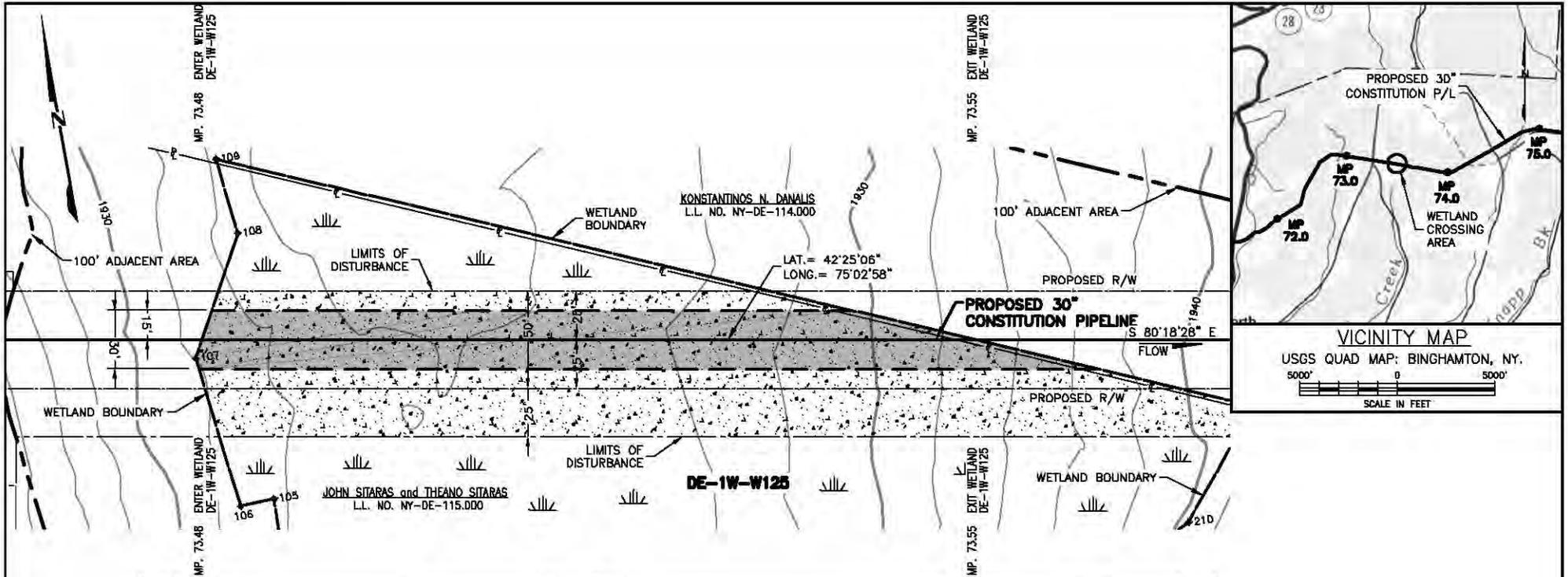
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
0	08-18-13	BE	REVISED - ISSUE FOR CLIENT REVIEW	1110415		
0	08-29-13	BE	ISSUE FOR USE	1110415		
1	08-30-13	BE	REVISED - ISSUE FOR USE	1110415		
2	10-13-13	BE	REVISED - ISSUE FOR USE	1110415		
3	10-23-13	BE	ISSUE FOR USE	1110415		

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 DE-1P-W074 AND
 DE-1W-W075 @ M.P. 73.34
 TOWN OF FRANKLIN, DELAWARE COUNTY, NEW YORK

CHECKED BY: DATE: ISSUED FOR CONSTRUCTION:
 APPROVED BY: DATE: DRAWING NUMBER: 26-20-85/DE-1P-W074-1-3 SHEET 232 OF 362



- NOTES:**
- BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
 - ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
 - WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
 - THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN THE EDP BMP TYPICAL DETAILS.
 - WETLAND DELINEATION COMPLETED BY AECOM.
 - THIS DRAWING DEPICTS IMPACTS REQUIRED FOR A JOINT APPLICATION WITH THE USAGE 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 PIPELINE COMPANY, LLC.
 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			
DE-1W-W125	PFO	398	0.76	0.27			ON-4, CLASS II	Y	Conventional

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

PLAN/PROFILE

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

NO.	DATE	BY	REVISION DESCRIPTION	W.D. NO.	CHK.	APP.
0	08-18-13	GE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
1	08-28-13	GE	ISSUE FOR USE	1110415		
2	10-02-13	GE	REVISED - ISSUE FOR USE	1110415		
3	10-23-13	GE	ISSUE FOR USE	1110415		

APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
 HOUSTON, TEXAS

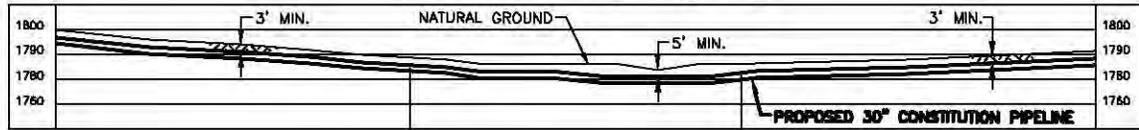
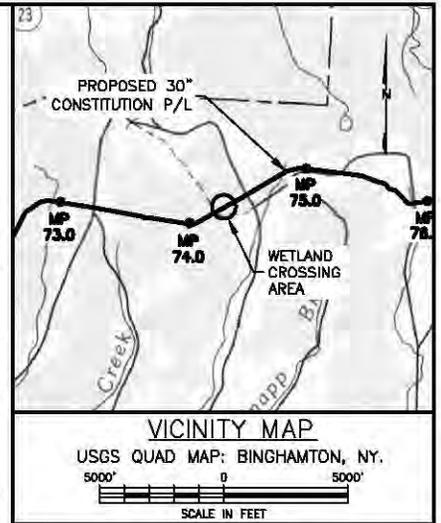
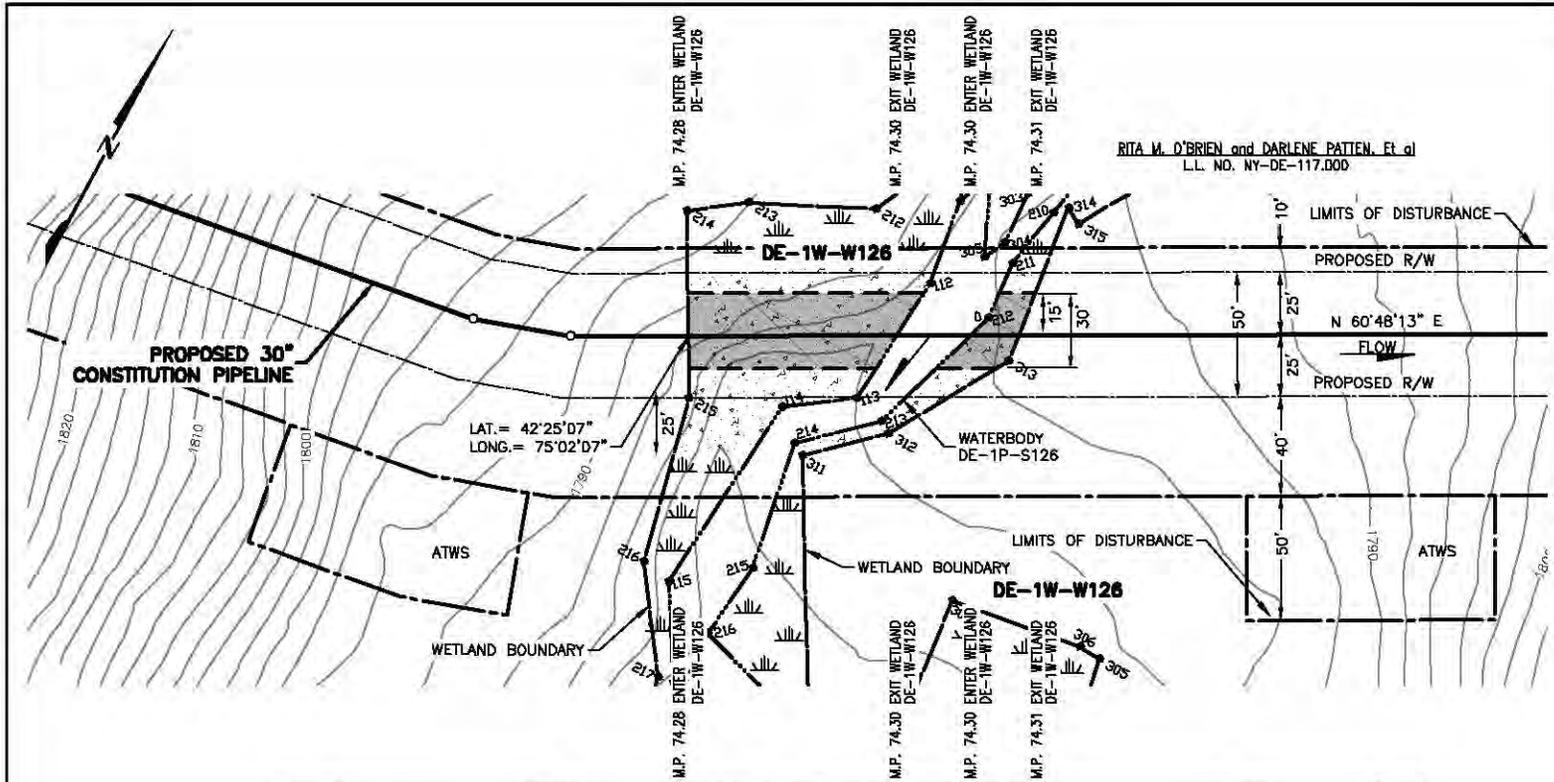
CONSTITUTION PIPELINE COMPANY, LLC.
 ACDE & NYSDEC JOINT PERMIT
 PROPOSED 30" NATURAL GAS PIPELINE
 WETLAND CROSSING DE-1W-W125 @ M.P. 73.48
 TOWN OF FRANKLIN
 DELAWARE COUNTY, NEW YORK

DRAWN BY: GIE DATE: 08-05-2013 ISSUED FOR BID: SCALE: 1" = 80'

CHECKED BY: DATE: ISSUED FOR CONSTRUCTION:

APPROVED BY: DATE: DRAWING NUMBER: 26-20-85/DE-1W-W125-1-3 SHEET 233 OF 362

WC: 1110415



NOTES:

1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N MAD93, 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			
DE-1W-W126	PFO	103	0.15	0.07			N/A	N	Conventional Crossing

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

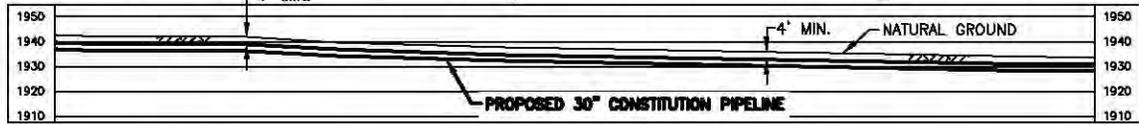
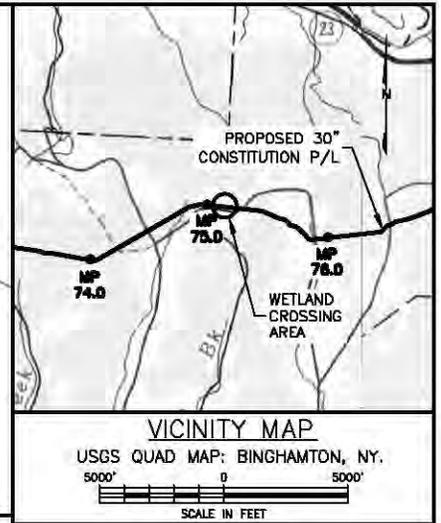
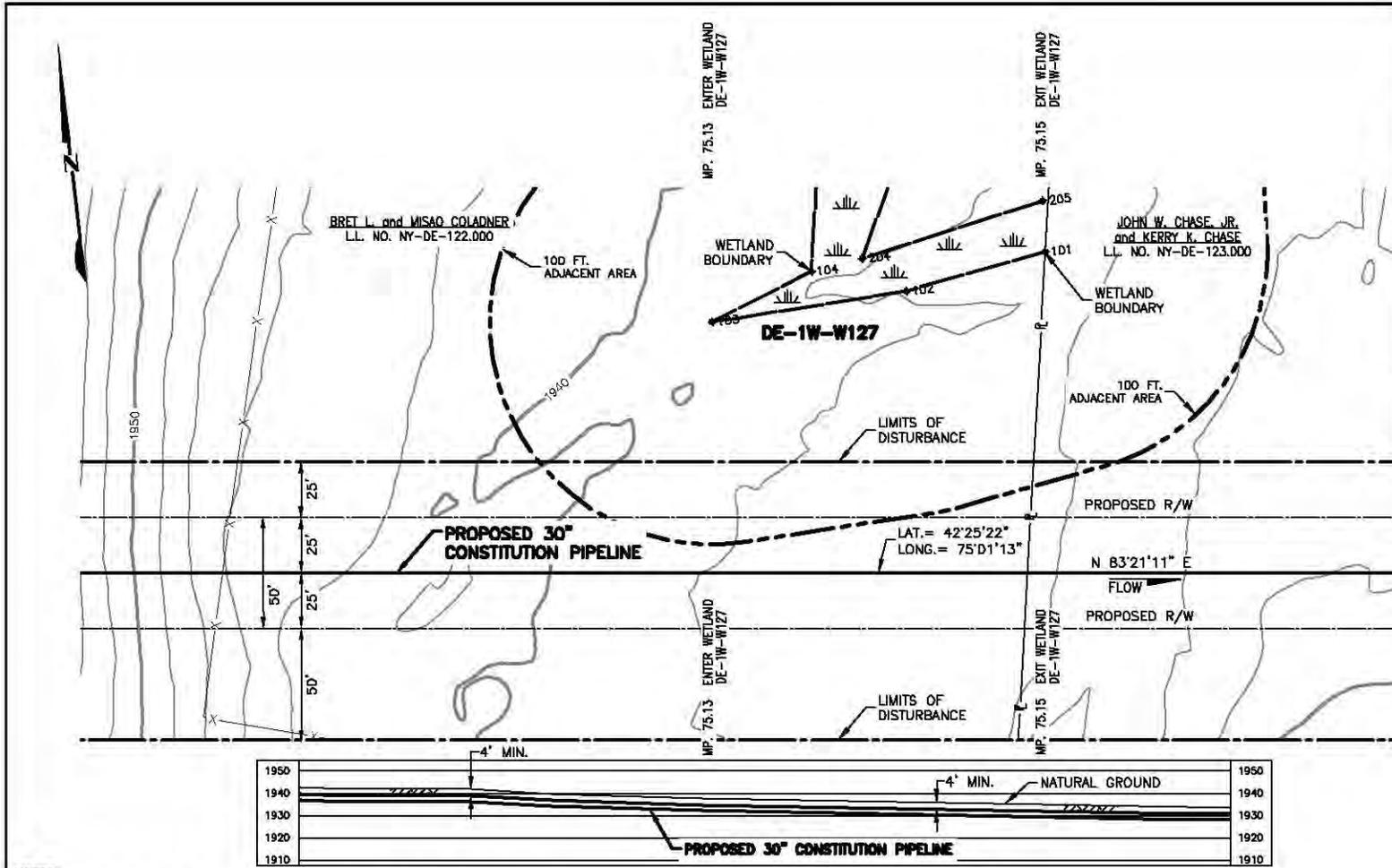
PLAN/PROFILE
 SCALE: 1" = 80' HORIZONTAL
 1" = 80' VERTICAL

DRAWING NO.	REFERENCE TITLE
28-28-70/0001-78	ALIGNMENT SHEET

NO.	DATE	BY	REVISION DESCRIPTION	W.D. NO.	CHK.	APP.
1	08-08-13	GE	ISSUED FOR CLIENT REVIEW	1110415		
2	08-14-13	GE	ISSUE FOR USE	1110415		
3	08-28-13	GE	REVISED - ISSUE FOR USE	1110415		
4	10-07-13	GE	ISSUE FOR USE	1110415		

APPLICATION NO.: NAN-2012-00449-UBR
GULF INTERSTATE ENGINEERING
 HOUSTON, TEXAS
 CONSTITUTION PIPELINE COMPANY, LLC.
 ACDE & NYSDEC JOINT PERMIT
 PROPOSED 30" NATURAL GAS PIPELINE
 WETLAND CROSSING DE-1W-W126 @ M.P. 74.28
 TOWN OF DAVENPORT
 DELAWARE COUNTY, NEW YORK

DRAWN BY:	GIE	DATE:	04-18-2013	ISSUED FOR BID:	SCALE:	1" = 80'
CHECKED BY:		DATE:		ISSUED FOR CONSTRUCTION:		
APPROVED BY:		DATE:		DRAWING NUMBER:	26-20-85/DE-1W-W126-1-2	SHEET 234 OF 362
WC:	1110415					



- NOTES:**
1. BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N MADS3, 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.

30" O.D. x 0.529" W.T. x-7D, 15-17 MILS FBE,
1.5 MILS INTERNAL COATING

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			
DE-1W-W127								ON-5, Class II	y	N/A

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

PLAN/PROFILE

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

NO.	DATE	BY	REVISION DESCRIPTION	W.D. NO.	CHK.	APP.
A	11-16-13	GE	ISSUE FOR CLIENT REVIEW	1110415		
B	11-16-13	GE	ISSUE FOR USE	1110415		

APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

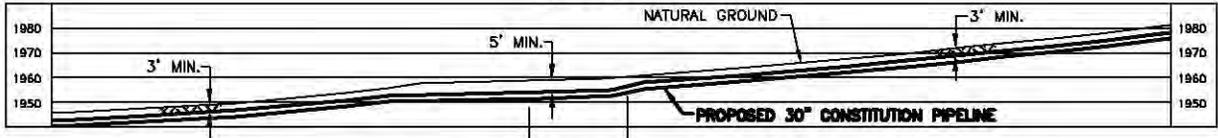
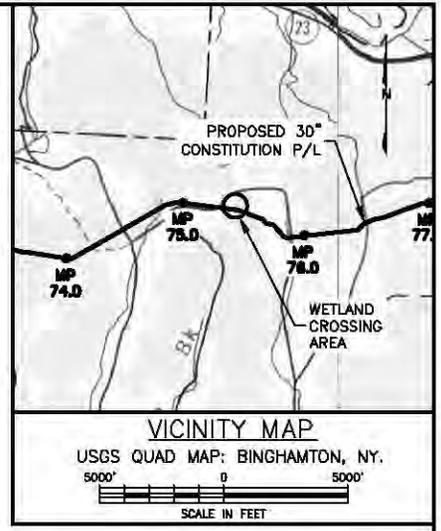
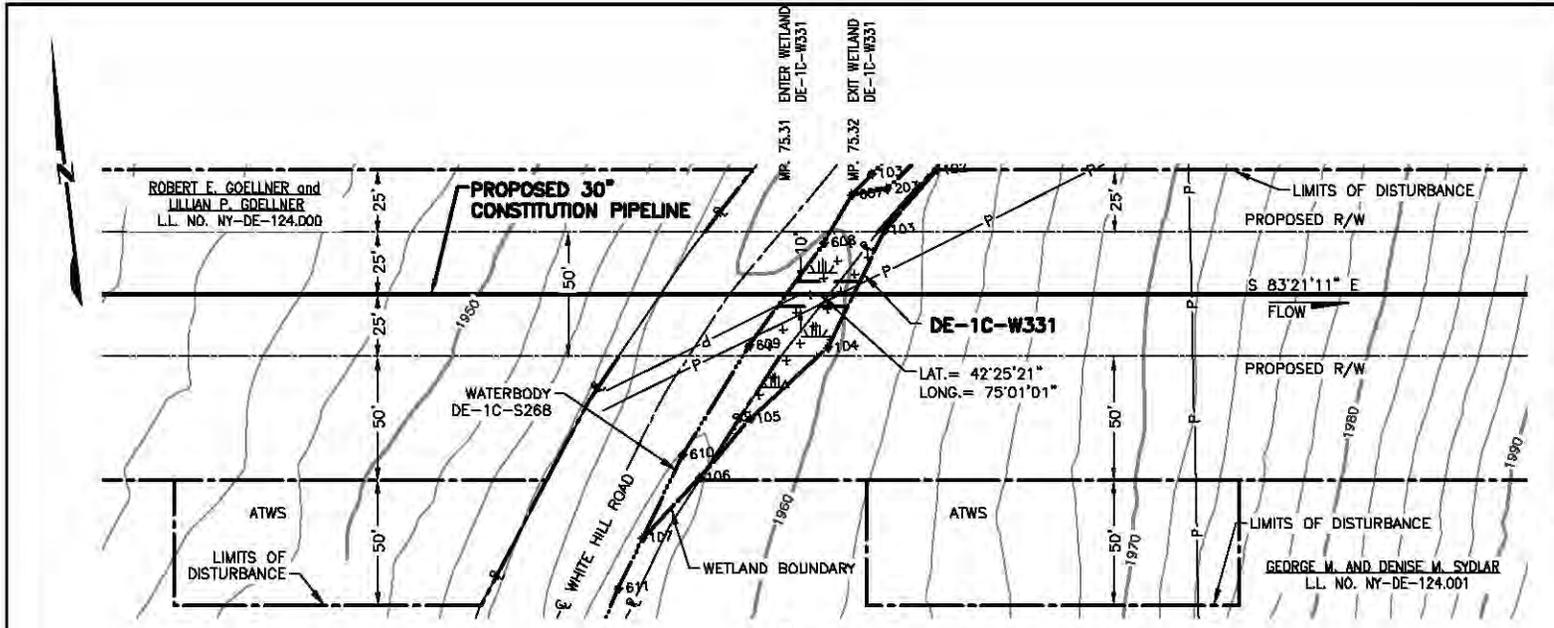
CONSTITUTION PIPELINE COMPANY, LLC.
ACDE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING DE-1W-W127 @ M.P. 75.13
TOWN OF FRANKLIN
DELAWARE COUNTY, NEW YORK

DRAWN BY: GIE DATE: 11-16-13 ISSUED FOR BID: SCALE: 1" = 80'

CHECKED BY: DATE: ISSUED FOR CONSTRUCTION:

APPROVED BY: DATE: DRAWING NUMBER: 26-20-85/DE-1W-W127-1-D SHEET 235 OF 362

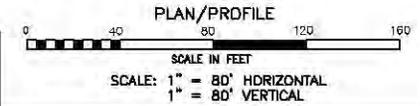
WC: 1110415



NOTES:

- BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
- ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
- WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
- 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.
- WETLAND DELINEATION COMPLETED BY AECOM.
- THIS DRAWING DEPICTS IMPACTS REQUIRED FOR A JOINT APPLICATION WITH THE USAGE 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 PIPELINE COMPANY, LLC.
 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.

30" O.D. x D.635" W.T. 1D MILS FBE,
& 40 MILS ARD EXT. COATING W/1.5 MILS INTERNAL COATING



Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres)				State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
			Construction	Operation	PFO	PSS			
DE-1C-W331	PEM	25			0.04		N/A	N/A	CONVENTIONAL BORE

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

DRAWING NO.	REFERENCE TITLE
28-28-70/0001-77	ALIGNMENT SHEET

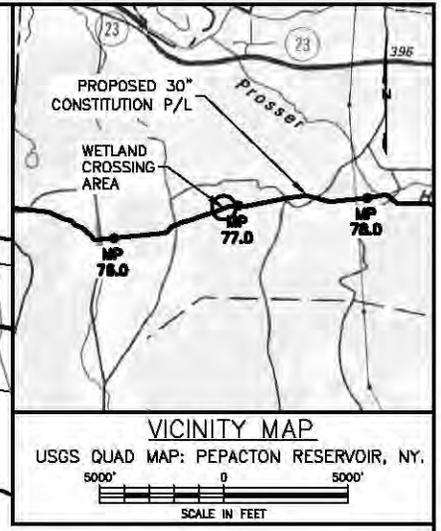
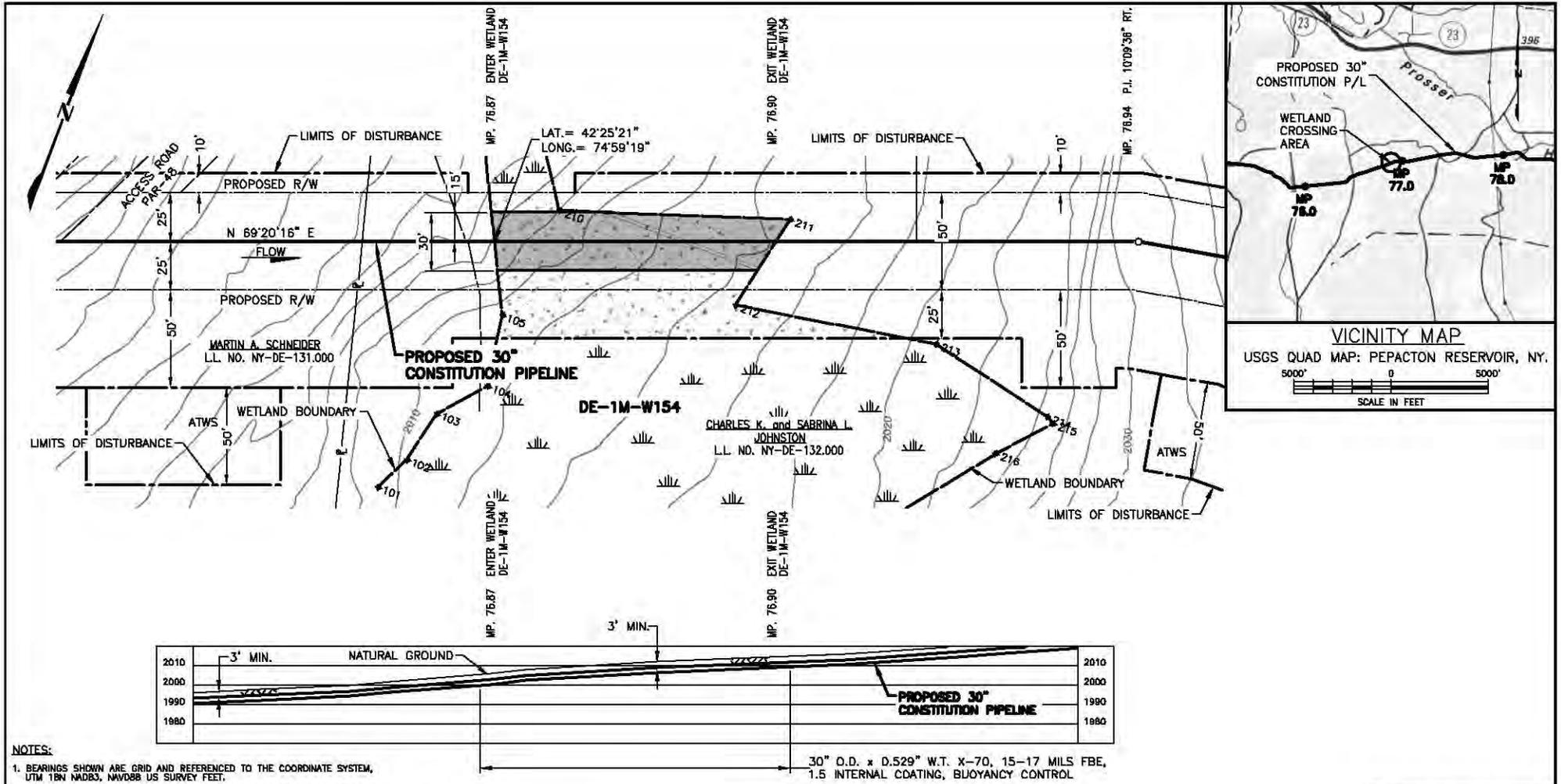
NO.	DATE	BY	REVISION DESCRIPTION	W.D. NO.	CHK.	APP.
A	10-22-13	GE	ISSUED FOR CLIENT REVIEW	1110415		
B	10-28-13	GE	ISSUED FOR CLIENT REVIEW	1110415		
D	10-31-13	GE	ISSUE FOR USE	1110415		

APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

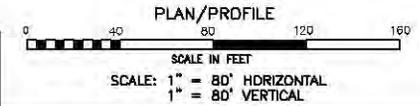
CONSTITUTION PIPELINE COMPANY, LLC.
 ACDE & NYSDEC JOINT PERMIT
 PROPOSED 30" NATURAL GAS PIPELINE
 WETLAND CROSSING DE-1C-W331 @ M.P. 75.31
 TOWN OF DAVENPORT
 DELAWARE COUNTY, NEW YORK

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/DE-1C-W331-1-D SHEET 236 OF 362
 WC: 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 USAGE 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 PIPELINE COMPANY, L.L.C.
 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.

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



DRAWING NO.	REFERENCE TITLE
26-28-70/0001-78	ALIGNMENT SHEET

NO.	DATE	BY	REVISION DESCRIPTION	W.D. NO.	CHK.	APP.
1	08-28-13	BE	REVISION - ISSUE FOR USE	1110415		
2	10-28-13	BE	REVISION - ISSUE FOR USE	1110415		
3	10-23-13	BE	REVISION - ISSUE FOR USE	1110415		
4	10-29-13	BE	REVISION - ISSUE FOR USE	1110415		
5	10-30-13	BE	ISSUE FOR USE	1110415		

APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, L.L.C.
 ACOE & NYSDEC JOINT PERMIT
 PROPOSED 30" NATURAL GAS PIPELINE
 WETLAND CROSSING DE-1M-W154 @ M.P. 76.87
 TOWN OF DAVENPORT
 DELAWARE COUNTY, NEW YORK

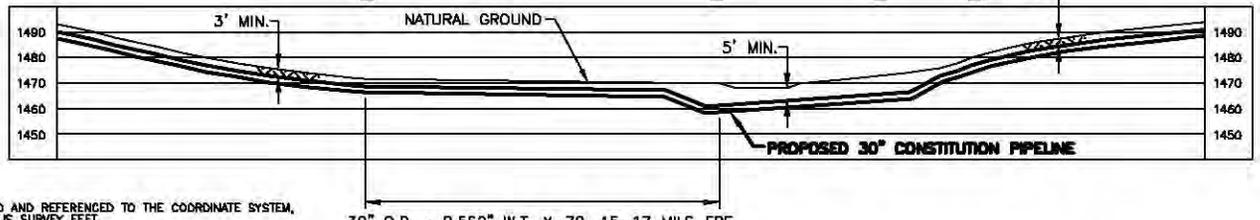
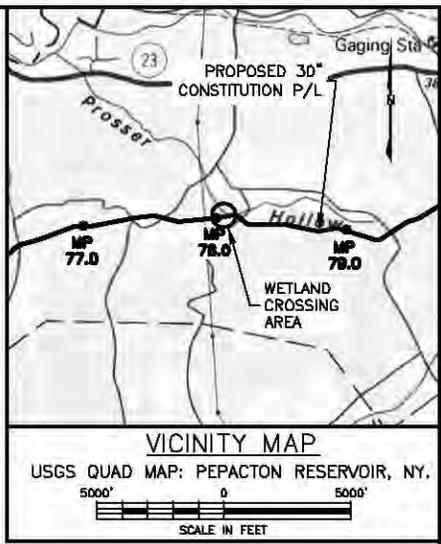
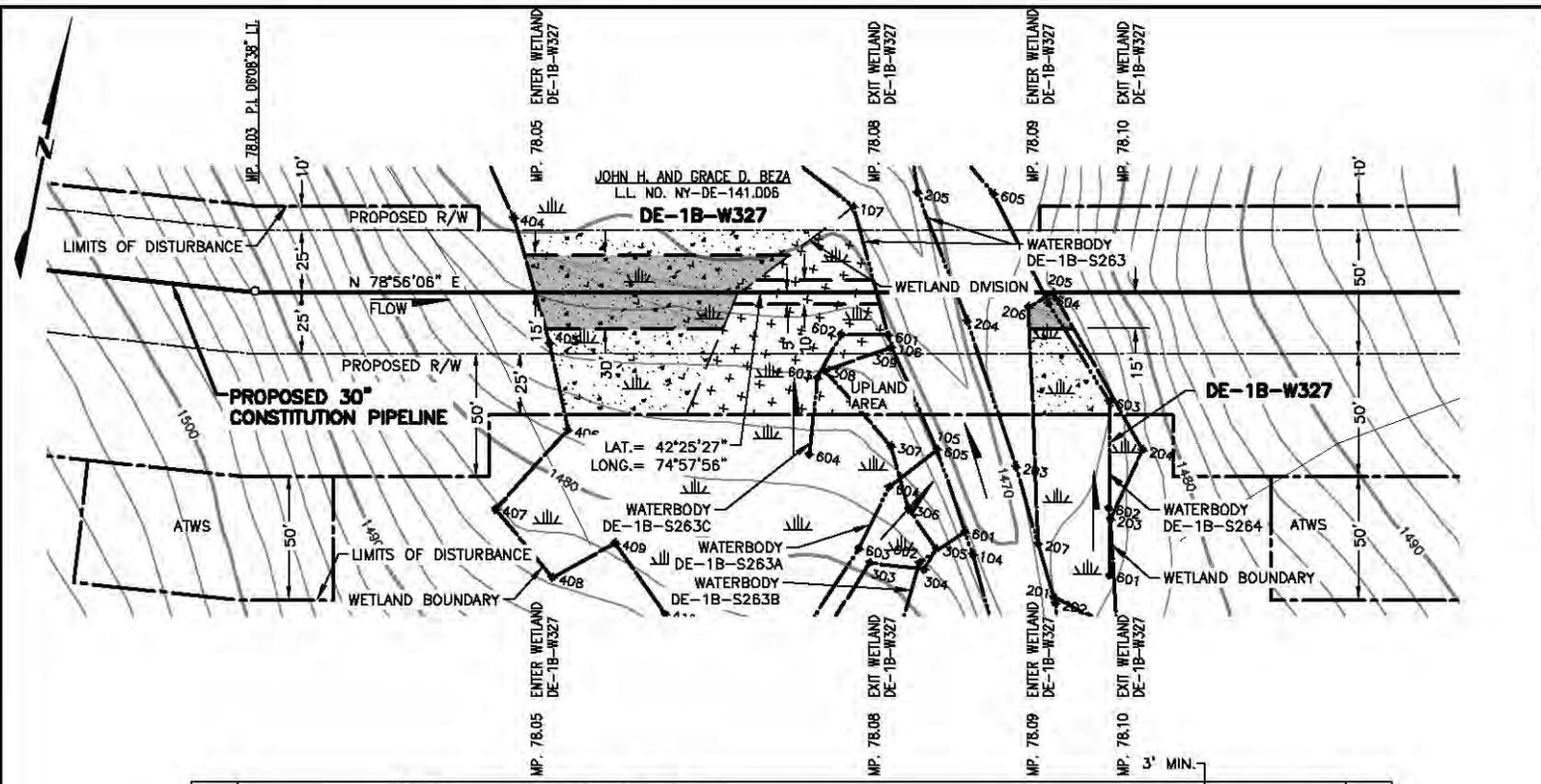
DRAWN BY: GIE DATE: XX-XX-2013 ISSUED FOR BID: SCALE: 1" = 80'

CHECKED BY: DATE: ISSUED FOR CONSTRUCTION:

APPROVED BY: DATE: DRAWING NUMBER: 26-20-85/DE-1M-W154-1-5 SHEET 237 OF 362

WC: 1110415

Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres)				State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
			Construction	Operation	PFO	PSS			
DE-1M-W154	PFO	145	0.22		0.10		N/A	N	Conventional



NOTES:

- BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N WAD83, NAVD88 US SURVEY FEET.
- ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
- WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
- 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.
- WETLAND DELINEATION COMPLETED BY AECOM.
- 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.

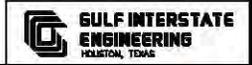
30" O.D. x 0.562" W.T. X-70, 15-17 MILS FBE,
1.5 MILS INTERNAL COATING, BUOYANCY CONTROL

TROY L. KENNEDY JR.

N.Y. PROFESSIONAL ENGINEER
NO. 69074

PLAN/PROFILE
SCALE IN FEET
SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

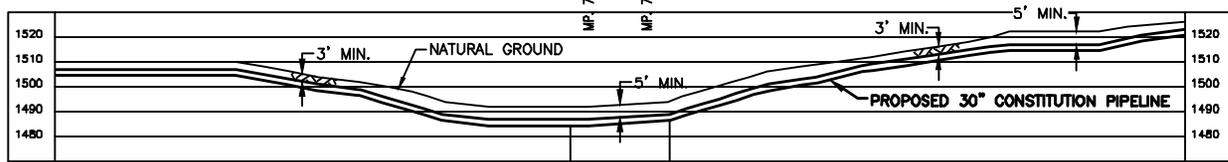
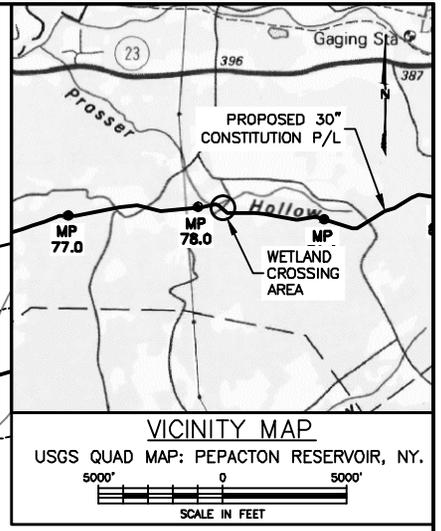
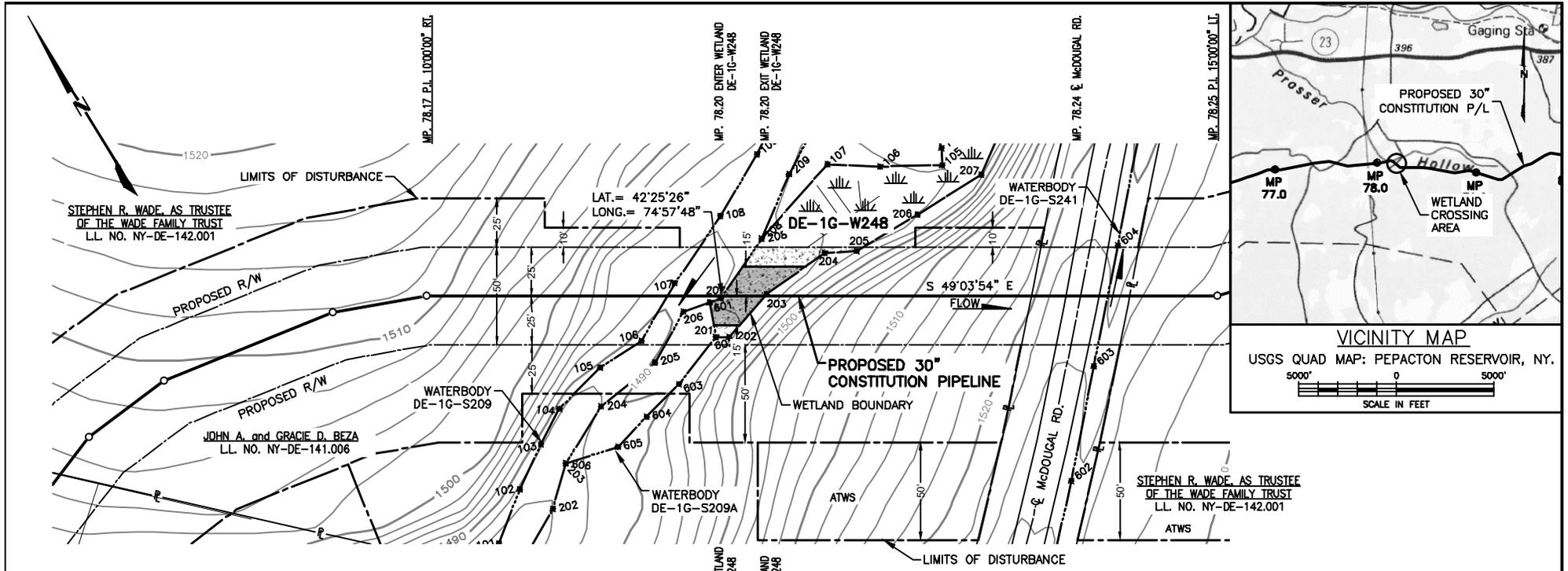
DRAWING NO.		REFERENCE TITLE				
26-26-70/0001-80		ALIGNMENT SHEET				
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	18-22-13	GE	ISSUED FOR CLIENT REVIEW	1110415		
B	18-30-13	GE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
D	18-31-13	GE	ISSUE FOR USE	1110415		



APPLICATION NO.: NAN-2012-00449-UBR
 CONSTITUTION PIPELINE COMPANY, LLC.
 ACDE & NYSDEC JOINT PERMIT
 PROPOSED 30" NATURAL GAS PIPELINE
 WETLAND CROSSING DE-1B-W327 @ M.P. 78.05
 TOWN OF DAVENPORT
 DELAWARE COUNTY, NEW YORK

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			
DE-1B-W327	PFO/PEM	139	0.15		0.09	0.07		N/A	N/A	Conventional Crossing

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/DE-1B-W327-1-0	SHEET 238 OF 362
WC: 1110415			



- NOTES:**
- BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
 - ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
 - WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
 - 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.
 - WETLAND DELINEATION COMPLETED BY AECOM.
 - 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.

1 ROY L. KEMM-DY JR
 N.Y. PROFESSIONAL ENGINEER
 NO. 69074

PLAN/PROFILE

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

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-80	ALIGNMENT SHEET

NO.	DATE	BY	REVISION DESCRIPTION	I/O. NO.	CHK.	APP.
0	08-18-13	GE	ISSUE FOR USE	1110415		
1	08-26-13	GE	REVISED - ISSUE FOR USE	1110415		
2	09-26-13	GE	REVISED - ISSUE FOR USE	1110415		
3	10-25-13	GE	REVISED - ISSUE FOR USE	1110415		
4	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 DE-1G-W248 @ M.P. 78.20
 TOWN OF DAVENPORT
 DELAWARE COUNTY, NEW YORK

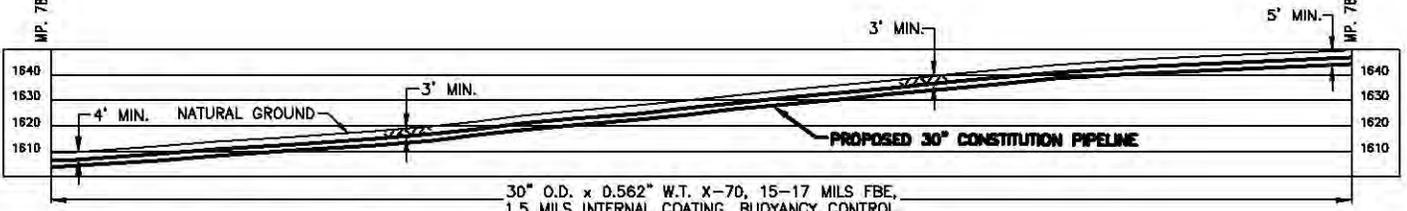
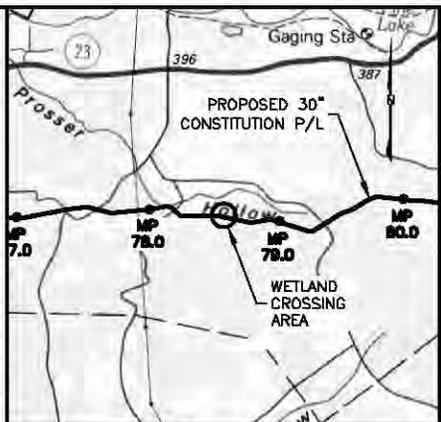
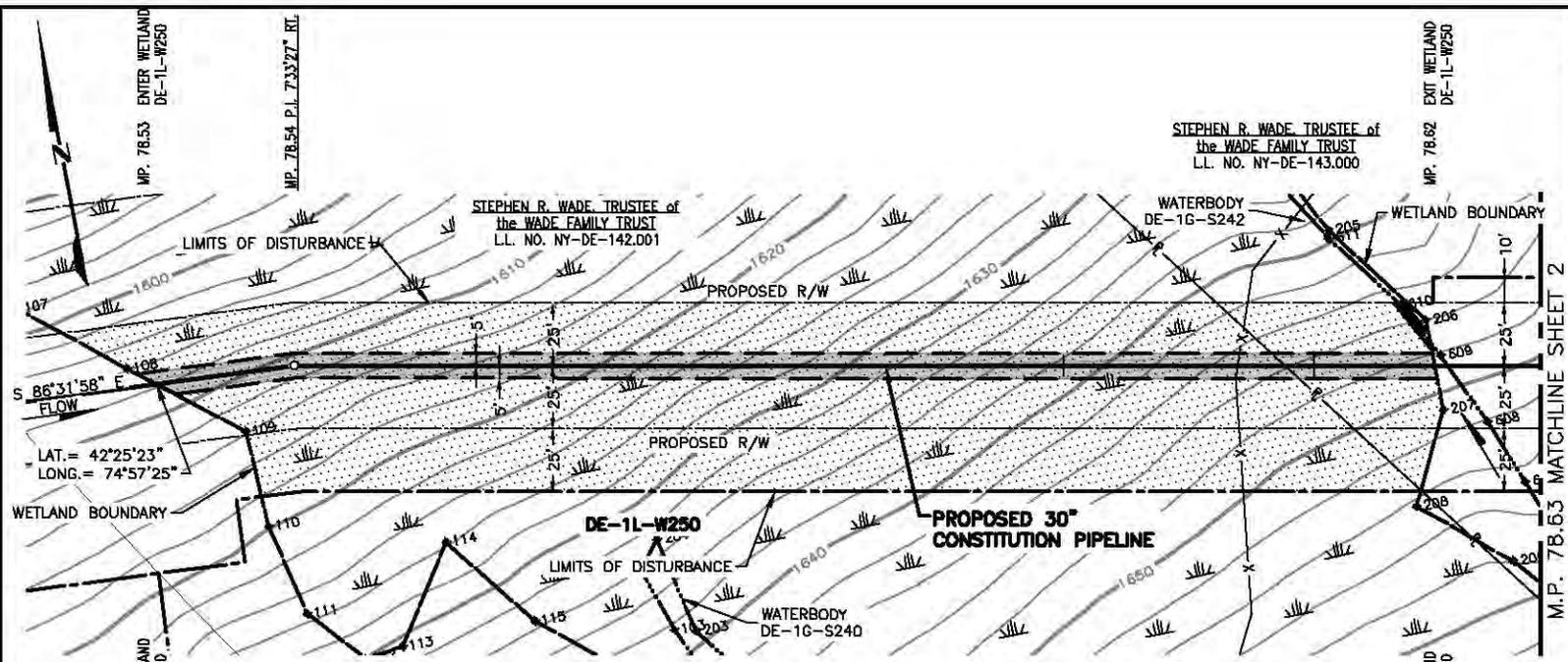
DRAWN BY: GIE DATE: 05-05-2013 ISSUED FOR BID: SCALE: 1" = 80'

CHECKED BY: DATE: ISSUED FOR CONSTRUCTION: SHEET 239 OF 362

APPROVED BY: DATE: DRAWING NUMBER: 26-20-85/DE-1G-W248-1-4

NO. 1110415

Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres)				State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
			Construction	Operation	PFO	PSS			
DE-1G-W248	PFO	22	0.03		0.02		N/A	N	Conventional

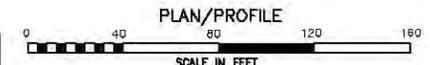


NOTES:

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			
DE-1L-W250	PSS	511		0.84			0.12	N/A	N	Conventional

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



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

DRAWING NO.	REFERENCE TITLE
26-26-70/0001-80	ALIGNMENT SHEET

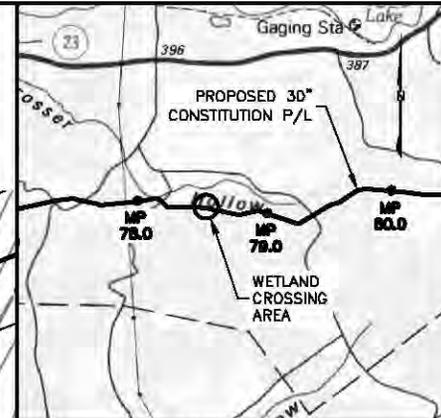
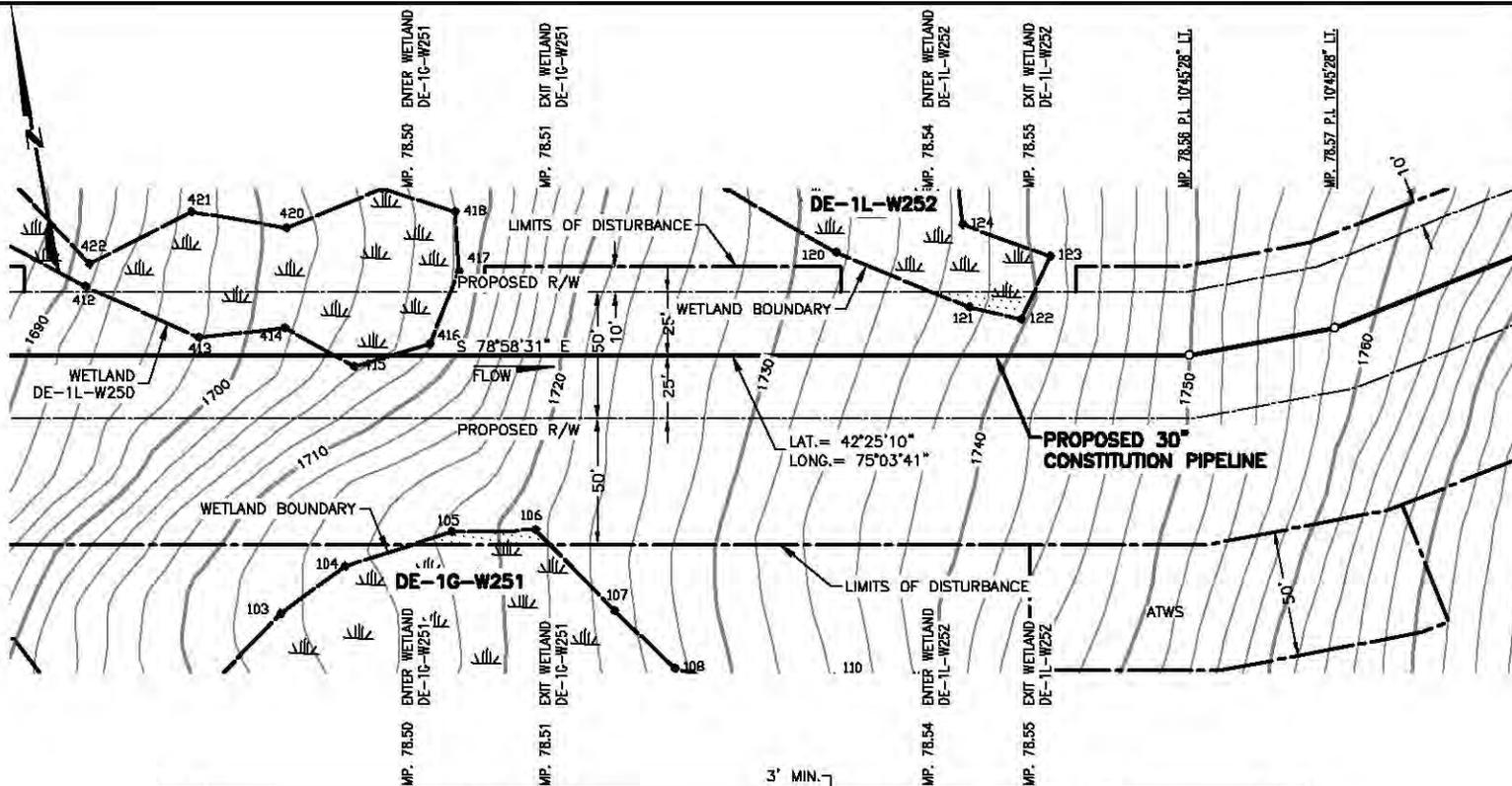
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
1	08-18-13	GE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
2	08-28-13	GE	ISSUE FOR USE	1110415		
3	10-02-13	GE	REVISED - ISSUE FOR USE	1110415		
4	10-10-13	GE	REVISED - ISSUE FOR USE	1110415		
5	10-22-13	GE	ISSUE FOR USE	1110415		

APPLICATION NO.: NAN-2012-00449-UBR



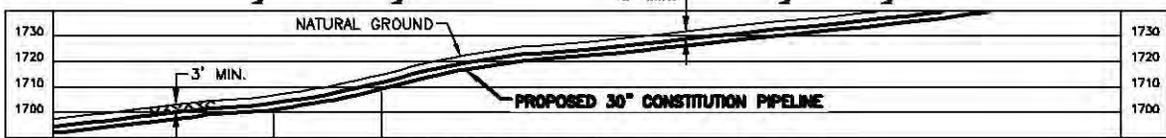
CONSTITUTION PIPELINE COMPANY, LLC.
 ACDE & NYSDEC JOINT PERMIT
 PROPOSED 30" NATURAL GAS PIPELINE
 WETLAND CROSSING DE-1L-W250 @ M.P. 78.53
 TOWN OF DAVENPORT
 DELAWARE COUNTY, NEW YORK

DRAWN BY: GIE	DATE: 05-04-2013	ISSUED FOR BID:	SCALE: 1" = 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/DE-1L-W250-1-3	SHEET 240 OF 362
WC: 1110415			

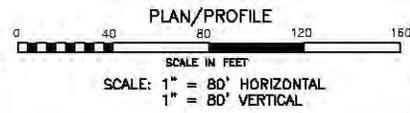


VICINITY MAP
USGS QUAD MAP: PEPACTON RESERVOIR, NY.
SCALE IN FEET

STEPHEN R. WADE, TRUSTEE OF
THE WADE FAMILY TRUST
LL NO. NY-DE-143.000



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.



APPLICATION NO.: NAN-2012-00449-UBR
CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING DE-1G-W251 AND DE-1L-W252 @ M.P. 78.50
TOWN OF DAVENPORT
DELAWARE COUNTY, NEW YORK

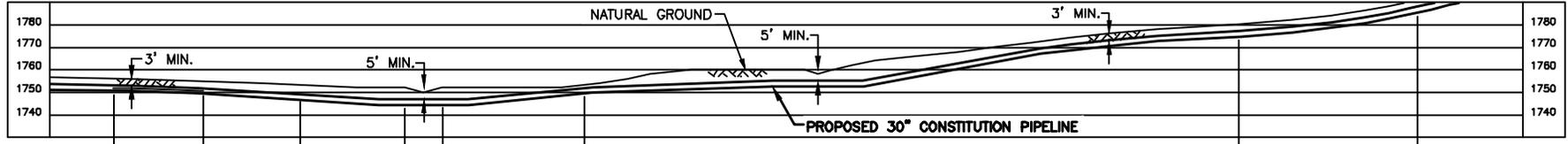
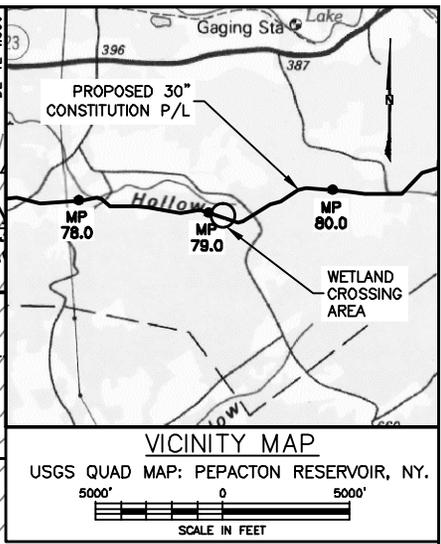
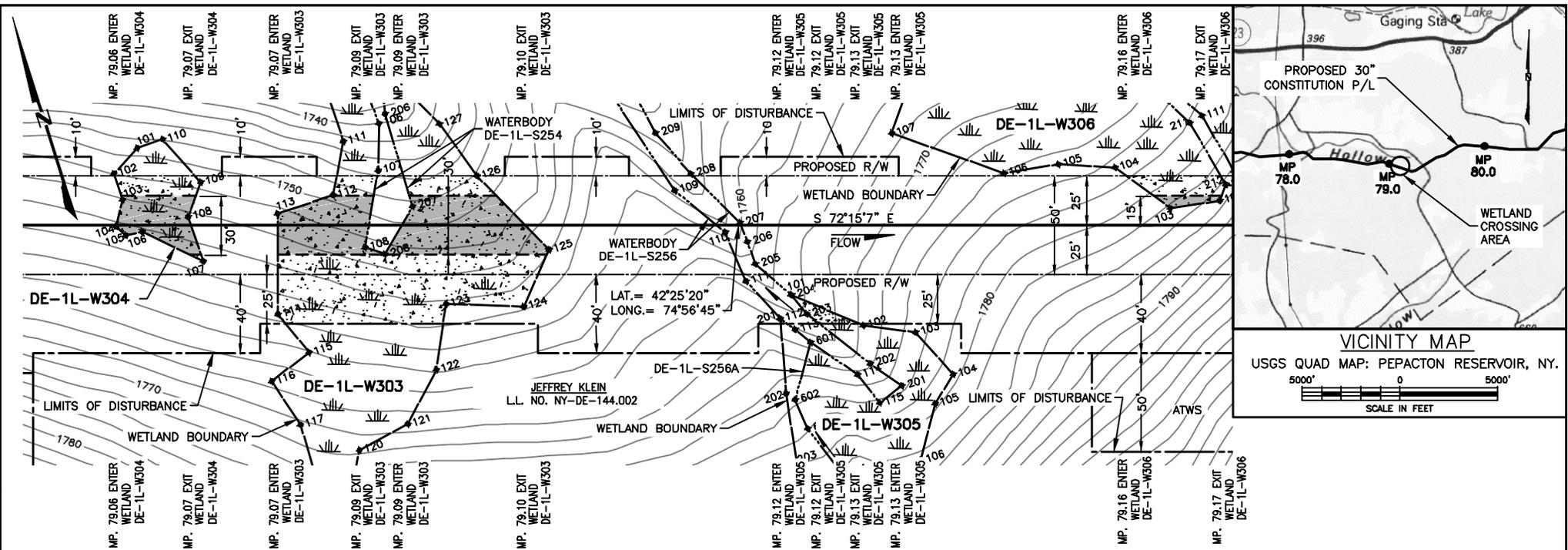
Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres)					State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
			Construction		Operation					
			PFO	PSS	PEM	PFO	PSS			
DE-1G-W251	PSS		0.01				N/A	N/A	N/A	
DE-1L-W252	PSS		0.01				N/A	N/A	N/A	

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

DRAWING NO.		REFERENCE TITLE	
26-26-70/0001-78		ALIGNMENT SHEET	

NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	08-03-13	GE	ISSUE FOR CLIENT REVIEW	1110415		
B	08-13-13	GE	REVISED - ISSUE FOR CLIENT REVIEW	1110415		
C	08-17-13	GE	ISSUE FOR USE	1110415		
1	08-28-13	GE	REVISED - ISSUE FOR USE	1110415		
2	10-05-13	GE	ISSUE FOR USE	1110415		

DRAWN BY: GIE	DATE: 07-24-2013	ISSUED FOR BID:	SCALE: 1"= 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/DE-1G-W251-1-2	SHEET 242 OF 362
WC: 1110415			



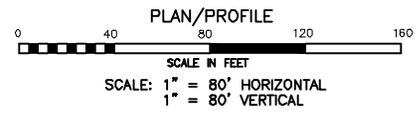
NOTES:

- BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
- ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
- WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
- 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.
- WETLAND DELINEATION COMPLETED BY AECOM.
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30" O.D. x 0.529" W.T. X-70, 15-17 MILS FBE, 1.5 MILS INTERNAL COATING, BUOYANCY CONTROL

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			
DE-1L-W304	PFO	38	0.03			0.02		N/A	N	Conventional
DE-1L-W303	PFO	110	0.18			0.07		N/A	N	Conventional
DE-1L-W305	PFO	0.01						N/A	N	N/A
DE-1L-W306	PFO	0.01				0.01		N/A	N	N/A

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



APPLICATION NO.: NAN-2012-00449-UBR

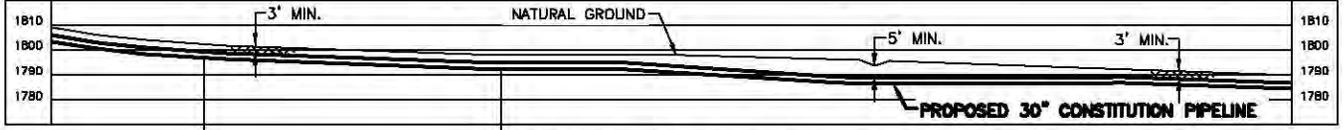
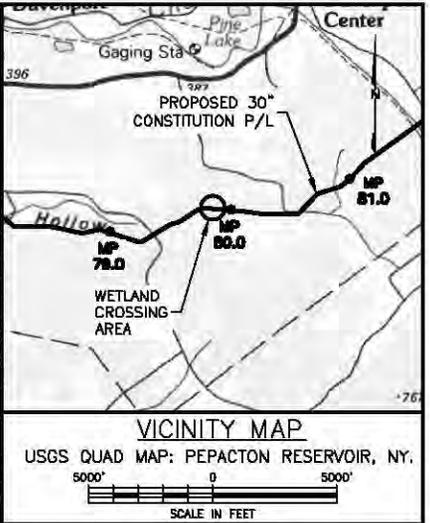
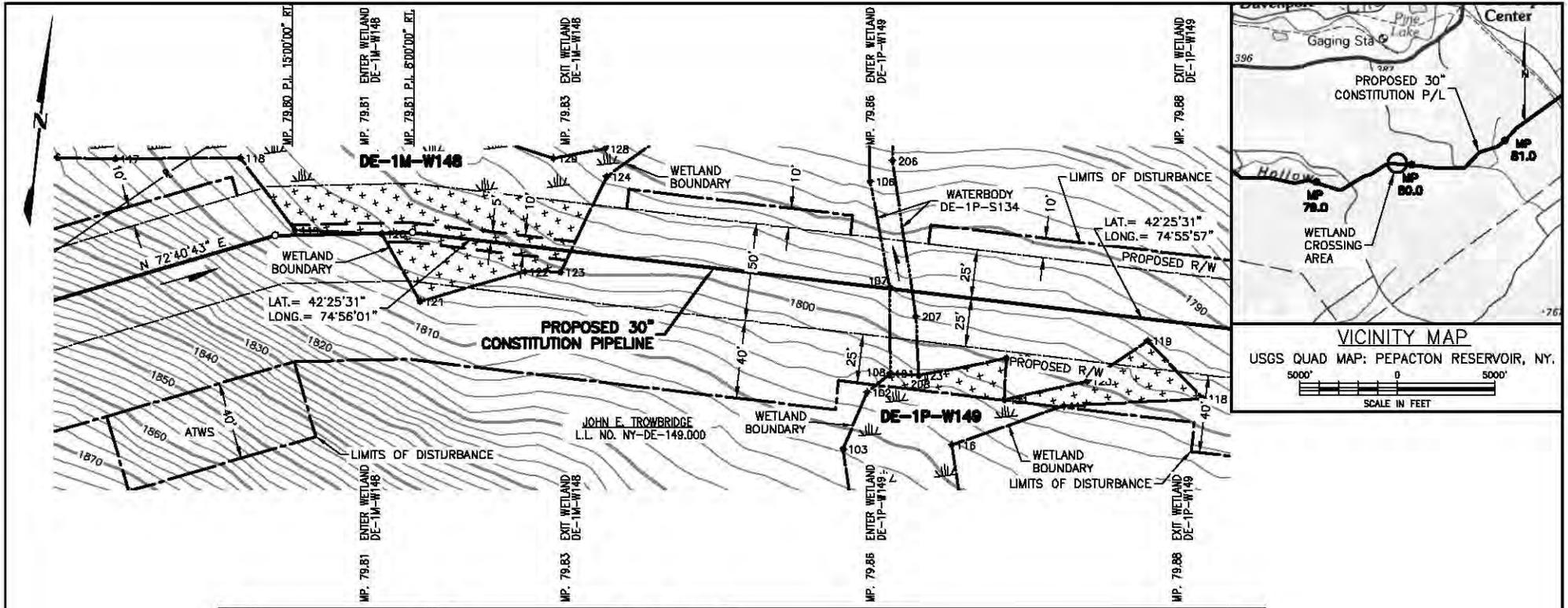
GULF INTERSTATE ENGINEERING
 HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
 ACOE & NYSDEC JOINT PERMIT
 PROPOSED 30" NATURAL GAS PIPELINE
 WETLAND CROSSING DE-1L-W304, DE-1L-W303, DE-1L-W305
 AND DE-1L-W306 @ M.P. 79.06
 TOWN OF DAVENPORT DELAWARE COUNTY, NEW YORK

CONSTITUTION PIPELINE

(DRAWING NO.)	26-26-70/0001-81	(REFERENCE TITLE)	ALIGNMENT SHEET
(NO.)	A	(DATE)	10-03-13
(BY)	GE	(REVISION DESCRIPTION)	ISSUED FOR CLIENT REVIEW
(NO.)	B	(DATE)	10-24-13
(BY)	GE	(REVISION DESCRIPTION)	ISSUED FOR CLIENT REVIEW
(NO.)	0	(DATE)	10-28-13
(BY)	GE	(REVISION DESCRIPTION)	ISSUE FOR USE

(DRAWN BY)	GIE	(DATE)	09-26-2013	(ISSUED FOR BID)		(SCALE)	1" = 80'
(CHECKED BY)		(DATE)		(ISSUED FOR CONSTRUCTION)			
(APPROVED BY)		(DATE)		(DRAWING NUMBER)	26-20-85/DE-1L-W304-1-0	(SHEET)	243
(NO.)	1110415						OF 362



- NOTES:**
- BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
 - ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
 - WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
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Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres)				State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
			Construction PFO	Construction PSS	Operation PEM	Operation PSS			
DE-1M-W148	PEM	104			0.13		N/A	N	Conventional
DE-1P-W149	PEM	0			0.05		N/A	N	N/A

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

PLAN/PROFILE
 SCALE: 1" = 80' HORIZONTAL
 1" = 80' VERTICAL

DRAWING NO.		REFERENCE TITLE	
28-28-70/0001-B1		ALIGNMENT SHEET	

NO.	DATE	BY	REVISION DESCRIPTION	W.D. NO.	CHK.	APP.
1	09-28-13	GE	REVISED - ISSUE FOR USE	1110415		
2	10-08-13	GE	REVISED - ISSUE FOR USE	1110415		
3	10-29-13	GE	REVISED - ISSUE FOR USE	1110415		
4	10-28-13	GE	REVISED - ISSUE FOR USE	1110415		
5	10-30-13	GE	ISSUE FOR USE	1110415		

APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
 HOUSTON, TEXAS

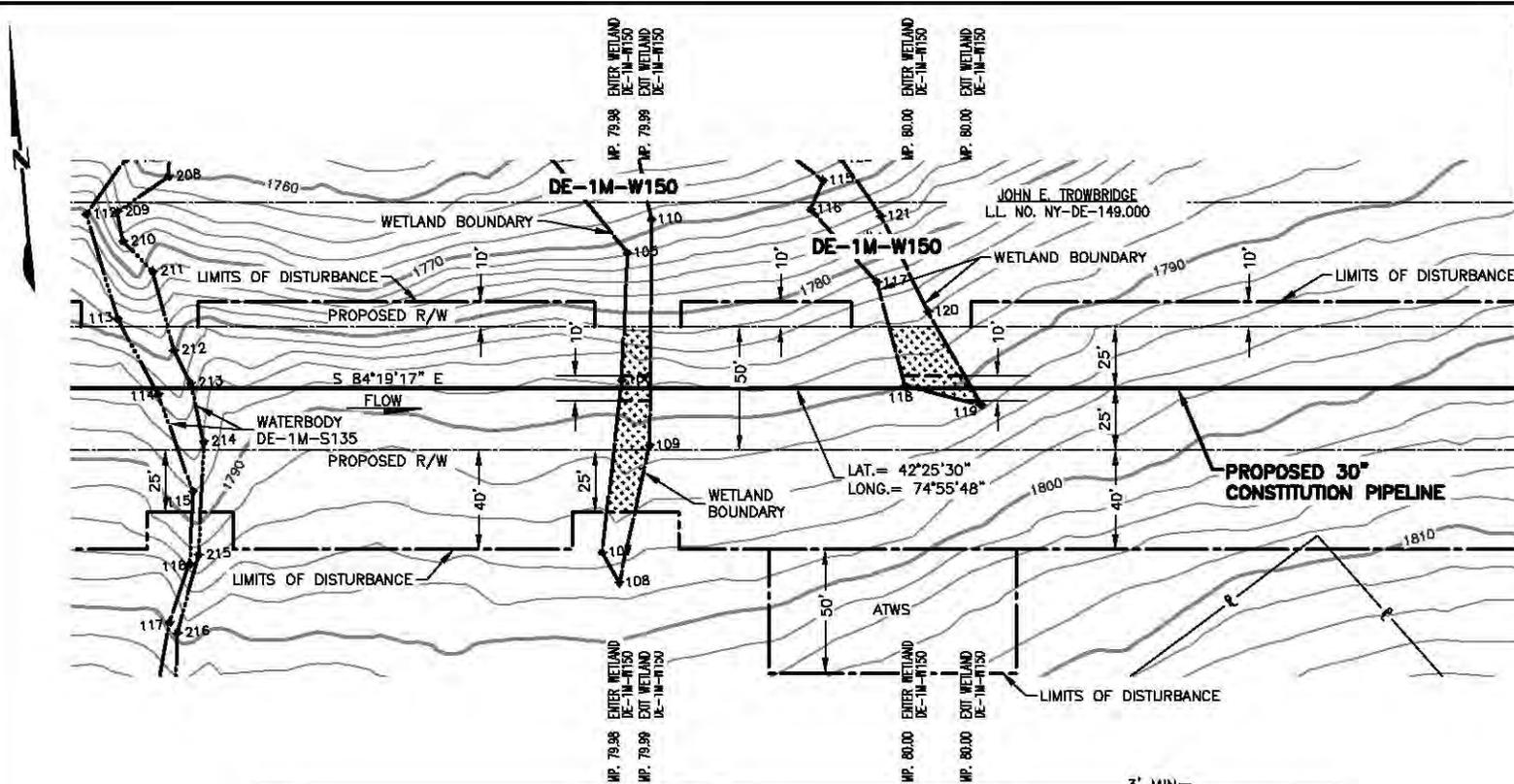
CONSTITUTION PIPELINE COMPANY, LLC.
 ACDE & NYSDEC JOINT PERMIT
 PROPOSED 30" NATURAL GAS PIPELINE
 WETLAND CROSSINGS DE-1M-W148 AND
 DE-1P-W149 @ M.P. 79.86 @ M.P. 79.81
 TOWN OF DAVENPORT DELAWARE COUNTY, NEW YORK

DRAWN BY: GIE DATE: 07-24-2013 ISSUED FOR BID: SCALE: 1" = 80'

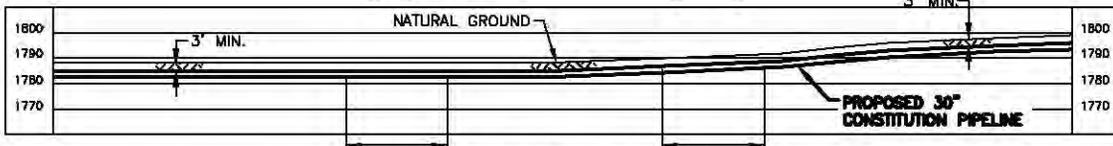
CHECKED BY: DATE: ISSUED FOR CONSTRUCTION:

APPROVED BY: DATE: DRAWING NUMBER: 26-20-85/DE-1M-W148-1-5 SHEET 244 OF 362

WC: 1110415



VICINITY MAP
 USGS QUAD MAP: PEPACTION RESERVOIR, NY.
 5000' 0 5000'
 SCALE IN FEET



- NOTES:**
- BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
 - ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
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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			
DE-1M-W150	PFO	36			0.04			N/A	N	CONVENTIONAL

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

PLAN/PROFILE
 SCALE: 1" = 80' HORIZONTAL
 1" = 80' VERTICAL

DRAWING NO.		REFERENCE TITLE	
28-26-70/0001-81		ALIGNMENT SHEET	

NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
0	08-08-13	GE	REVISED - ISSUE FOR CLIENT REVIEW	1110415		
1	08-19-13	GE	ISSUE FOR USE	1110415		
1	09-25-13	GE	REVISED - ISSUE FOR USE	1110415		
2	10-08-13	GE	REVISED - ISSUE FOR USE	1110415		
3	10-23-13	GE	ISSUE FOR USE	1110415		

APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
 HOUSTON, TEXAS

CONSTITUTION PIPELINE COMPANY, LLC.
 ACDE & NYSDEC JOINT PERMIT
 PROPOSED 30" NATURAL GAS PIPELINE
 WETLAND CROSSING DE-1M-W150 @ M.P. 79.98
 TOWN OF DAVENPORT
 DELAWARE COUNTY, NEW YORK

SCALE: 1" = 80'

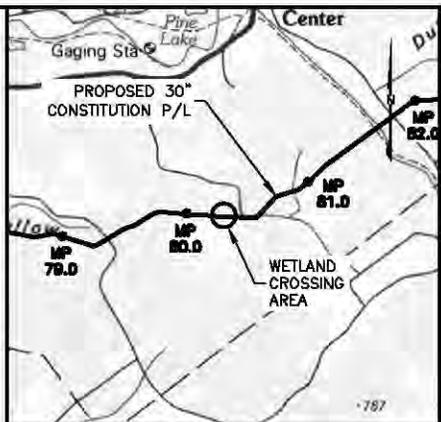
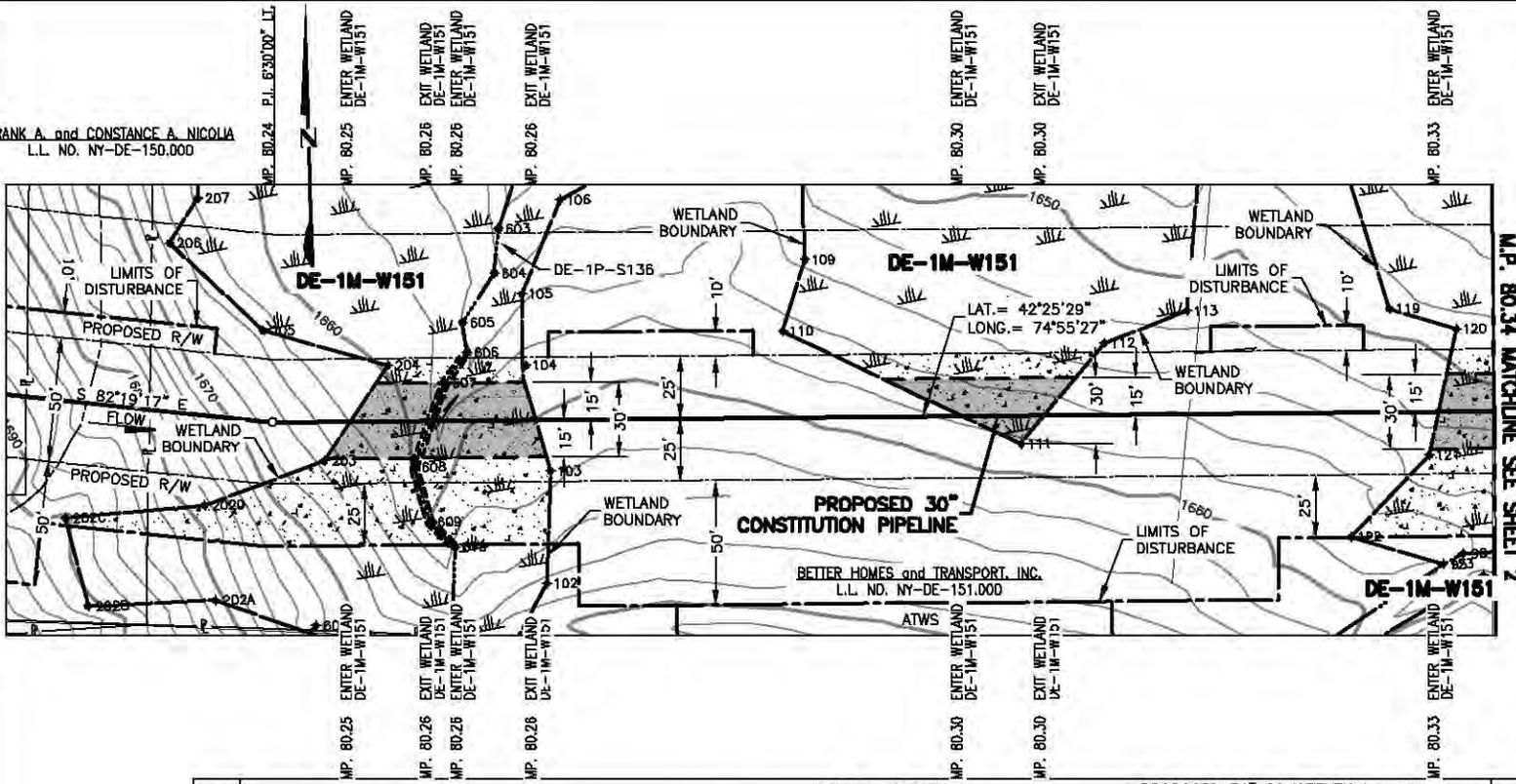
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CHECKED BY: DATE: ISSUED FOR CONSTRUCTION:

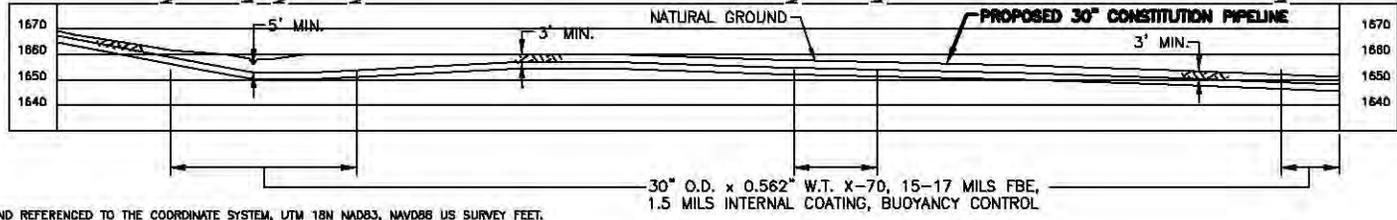
APPROVED BY: DATE: DRAWING NUMBER: 26-20-85/DE-1M-W150-1-3 SHEET 245 OF 362

W.O. 1110415

FRANK A. and CONSTANCE A. NICOLA
L.L. NO. NY-DE-150.000



VICINITY MAP
USGS QUAD MAP: PEPACTON RESERVOIR, NY.
5000' 0 5000'
SCALE IN FEET



- NOTES:**
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 - ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
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TROY L. KENNEDY JR.
N.Y. PROFESSIONAL ENGINEER
NO. 69074

PLAN/PROFILE
SCALE: 1" = 80' HORIZONTAL
1" = 80' VERTICAL

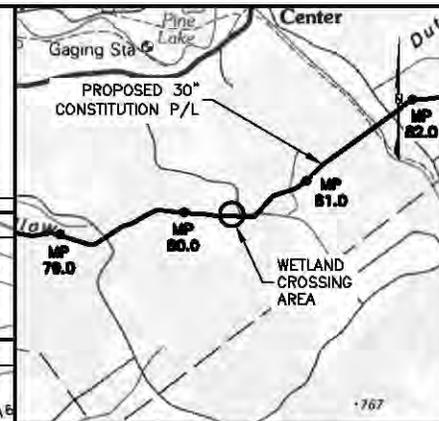
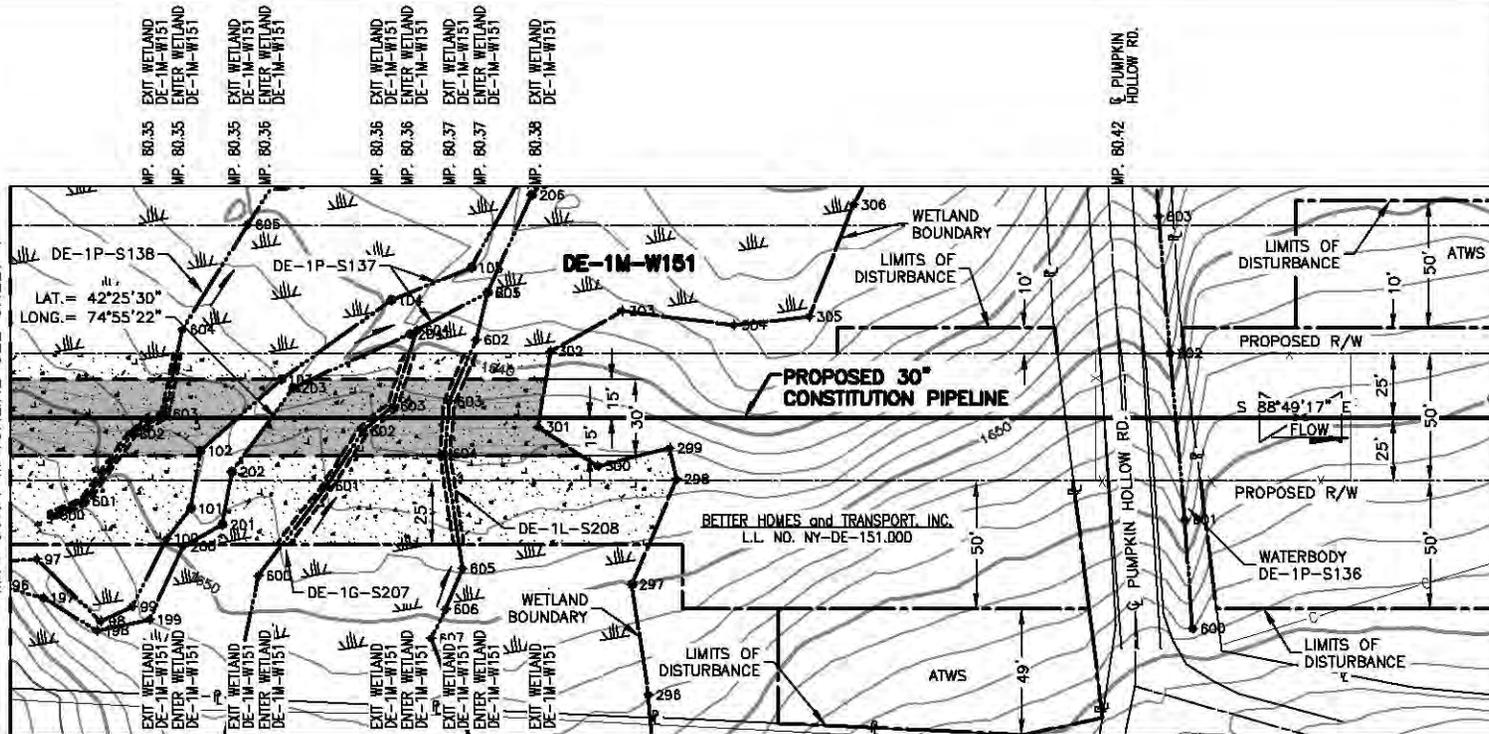
DRAWING NO.		REFERENCE TITLE				
26-26-70/0001-82		ALIGNMENT SHEET				
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	08-11-13	GE	ISSUED FOR CLIENT REVIEW	1110415		
B	08-15-13	GE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
D	08-17-13	GE	ISSUE FOR USE	1110415		
1	09-21-13	GE	REVISED - ISSUE FOR USE	1110415		
2	10-25-13	GE	ISSUE FOR USE	1110415		

APPLICATION NO.: NAN-2012-00449-UBR
GULF INTERSTATE ENGINEERING
CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING DE-1M-W151 @ M.P. 80.25
TOWN OF DAVENPORT
DELAWARE COUNTY, NEW YORK

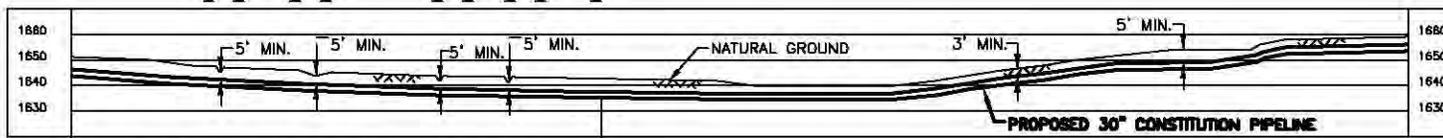
Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres)						State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
			Construction			Operation					
			PFO	PSS	PEM	PFO	PSS	PEM			
DE-1M-W151	PFO	129	0.27			0.09			N/A	N	Conventional

DRAWN BY: GIE DATE: 07-25-2013 ISSUED FOR BID: SCALE: 1" = 80'
CHECKED BY: DATE: ISSUED FOR CONSTRUCTION:
APPROVED BY: DATE: DRAWING NUMBER: 26-20-85/DE-1M-W151-1-2 SHEET 246 OF 362
WC: 1110415

M.P. 80.34 MATCHLINE SEE SHEET 1



VICINITY MAP
USGS QUAD MAP: PEAPACK RESERVOIR, NY.
SCALE IN FEET

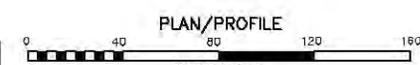


NOTES:

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- ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
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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	PEM			
DE-1M-W151	PFO	178	0.35			0.12			N/A	N	Conventional

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



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

DRAWING NO.		REFERENCE TITLE	
26-26-70/0001-82		ALIGNMENT SHEET	

NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	08-11-13	GE	ISSUED FOR CLIENT REVIEW	1110415		
B	08-15-13	GE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
D	08-17-13	GE	ISSUE FOR USE	1110415		
1	08-21-13	GE	REVISED - ISSUE FOR USE	1110415		
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APPLICATION NO.: NAN-2012-00449-UBR



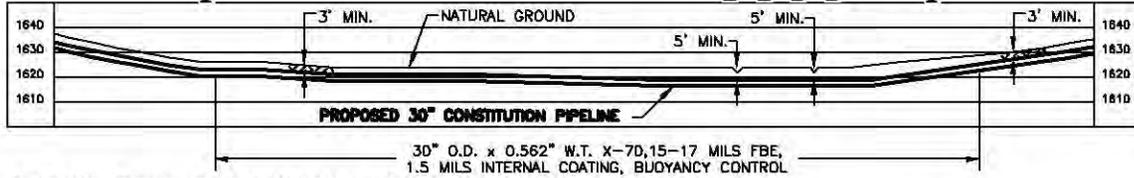
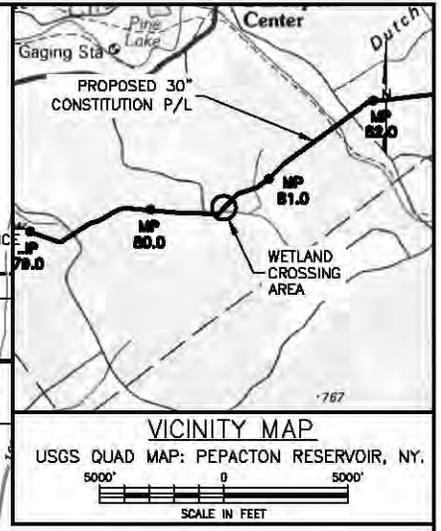
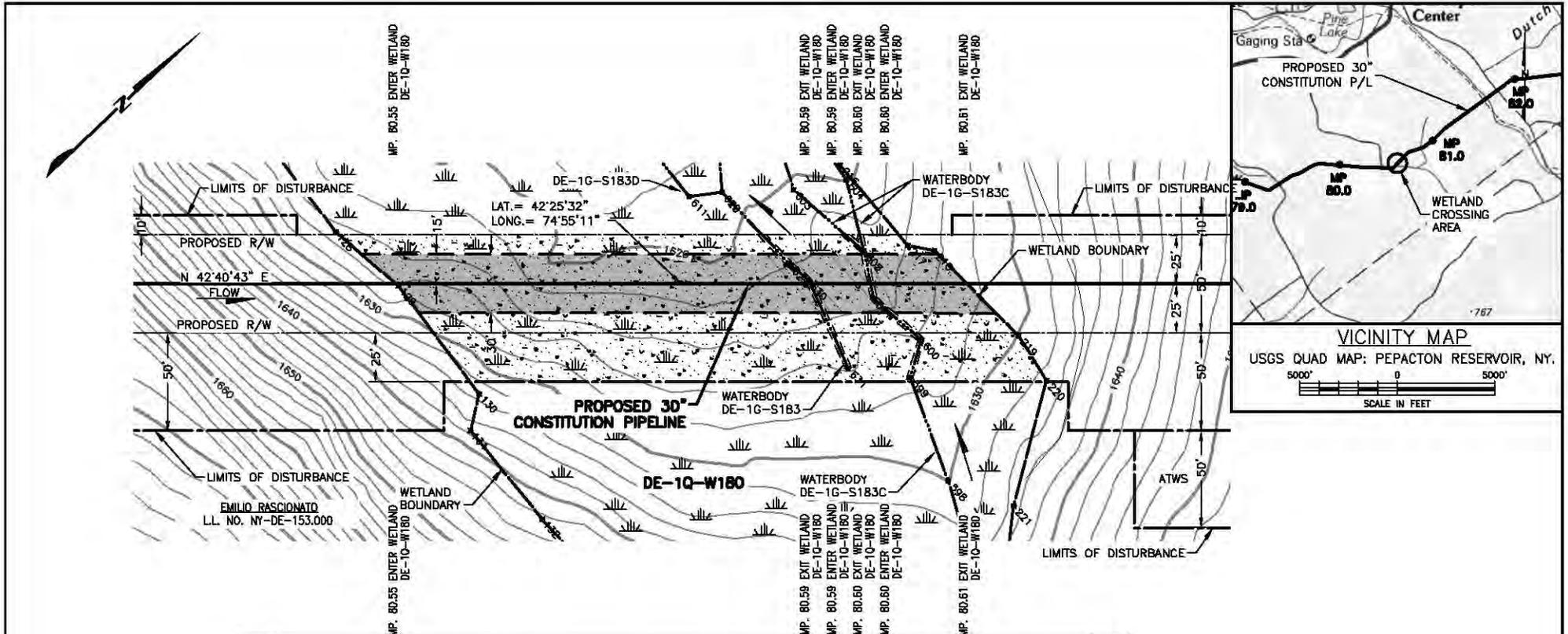
CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING DE-1M-W151 @ M.P. 80.25
TOWN OF DAVENPORT
DELAWARE COUNTY, NEW YORK

DRAWN BY:	DATE:	ISSUED FOR BID:	SCALE:
GIE	07-25-2013		1" = 80'

CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:

APPROVED BY:	DATE:	DRAWING NUMBER:	SHEET
		26-20-85/DE-1M-W151-2-2	247

WC: 1110415 OF 362



- NOTES:**
- BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
 - ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
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Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres)				State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
			Construction	Operation	PFO	PSS			
DE-1Q-W180	PFO	286	0.49	0.20			N/A	N	Conventional

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

PLAN/PROFILE

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

NO.	DATE	BY	REVISION DESCRIPTION	W.D. NO.	CHK.	APP.
0	08-14-13	GE	REMOVED - ISSUED FOR CLIENT REVIEW	1110415		
1	08-17-13	GE	ISSUE FOR USE	1110415		
1	09-24-13	GE	REMOVED - ISSUE FOR USE	1110415		
2	10-25-13	GE	REMOVED - ISSUE FOR USE	1110415		
3	10-30-13	GE	ISSUE FOR USE	1110415		

APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

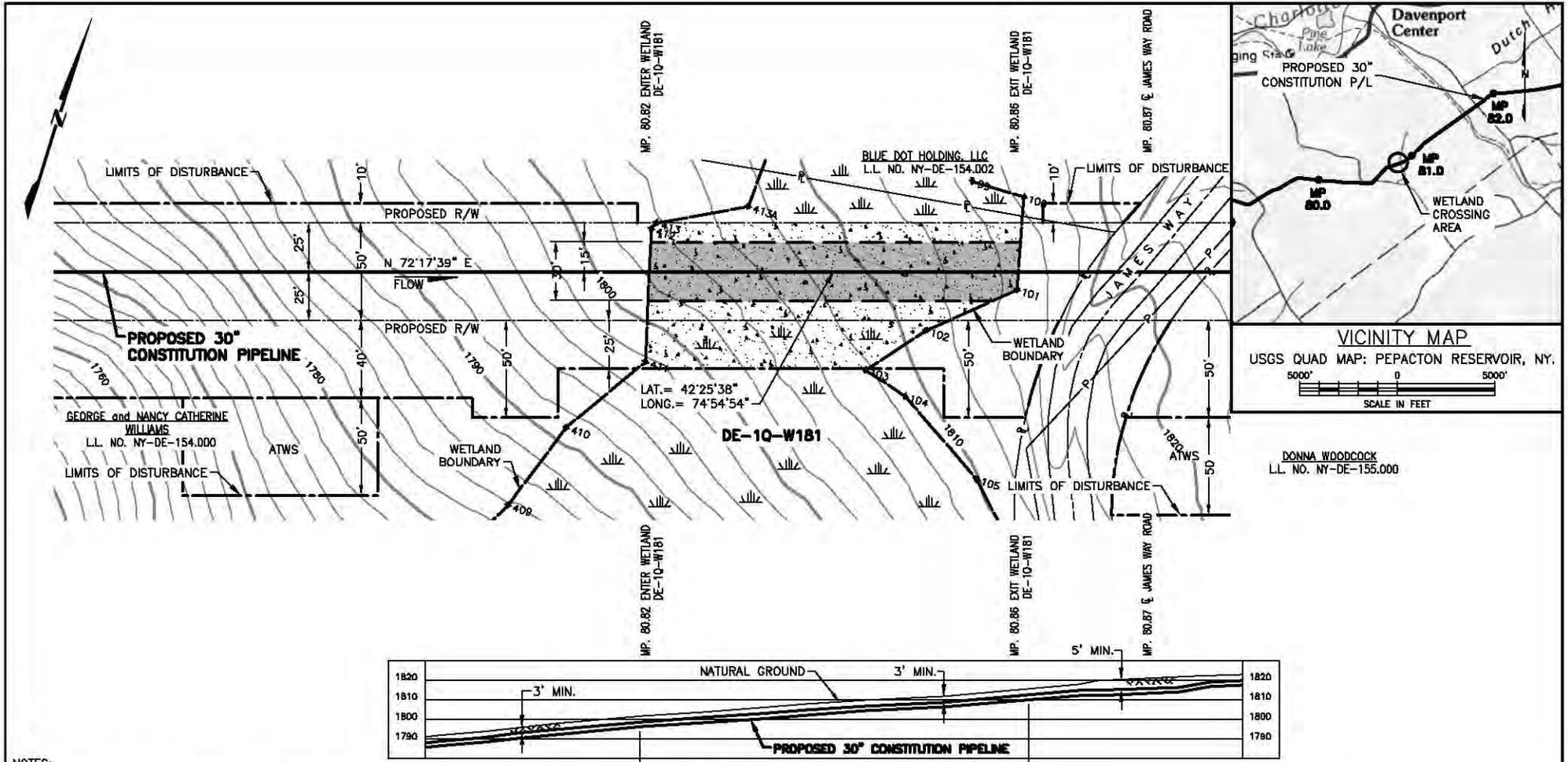
CONSTITUTION PIPELINE COMPANY, LLC.
 ACDE & NYSDEC JOINT PERMIT
 PROPOSED 30" NATURAL GAS PIPELINE
 WETLAND CROSSING DE-10-W180 @ 80.55
 TOWN OF DAVENPORT
 DELAWARE COUNTY, NEW YORK

DRAWN BY: GIE DATE: 06-12-2013 ISSUED FOR BID: SCALE: 1" = 80'

CHECKED BY: DATE: ISSUED FOR CONSTRUCTION:

APPROVED BY: DATE: DRAWING NUMBER: 26-20-85/DE-10-W180-1-3 SHEET 248 OF 362

WC: 1110415



- NOTES:**
- BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
 - ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
 - WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
 - THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN THE EOP BMP TYPICAL DETAILS.
 - WETLAND DELINEATION COMPLETED BY AECOM.
 - THIS DRAWING DEPICTS IMPACTS REQUIRED FOR A JOINT APPLICATION WITH THE USAGE 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 ACRESAGE = ALL WORKSPACE DURING CONSTRUCTION ACTIVITIES (PERMANENT AND TEMPORARY);
 OPERATION ACRESAGE = 10 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED IN HERBACEOUS VEGETATED COVER THROUGH PSS WETLANDS, AND 30 FOOT WIDE CORRIDOR PERMANENTLY MAINTAINED THROUGH PFD 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			
DE-10-W181	PFO	189	0.29	0.13			N/A	N	Conventional/Conventional

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

PLAN/PROFILE

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

DRAWING NO.	REFERENCE TITLE
28-28-70/0001-82	ALIGNMENT SHEET

NO.	DATE	BY	REVISION DESCRIPTION	W.D. NO.	CHK.	APP.
1	08-18-13	GE	ISSUE FOR USE	1110415		
2	08-24-13	GE	REVISED - ISSUE FOR USE	1110415		
3	10-11-13	GE	REVISED - ISSUE FOR USE	1110415		
4	10-30-13	GE	REVISED - ISSUE FOR USE	1110415		

APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
 HOUSTON, TEXAS

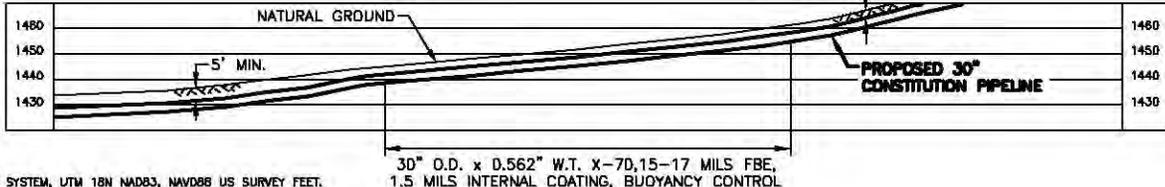
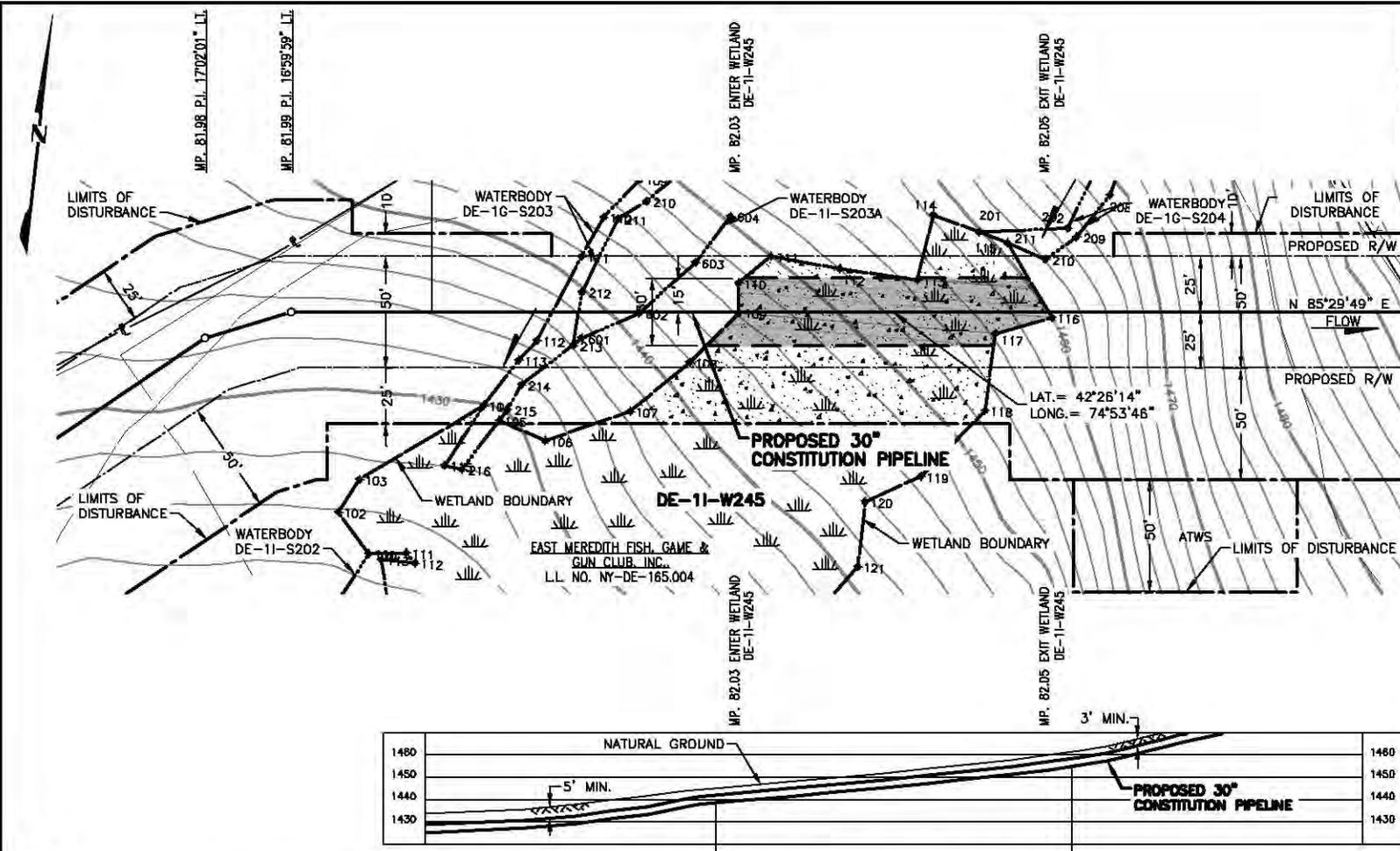
CONSTITUTION PIPELINE COMPANY, LLC.
 ACDE & NYSDEC JOINT PERMIT
 PROPOSED 30" NATURAL GAS PIPELINE
 WETLAND CROSSING DE-10-W181 @ M.P. 80.82
 TOWN OF DAVENPORT
 DELAWARE COUNTY, NEW YORK

DRAWN BY: GIE DATE: 08-12-2013 ISSUED FOR BID: SCALE: 1" = 80'

CHECKED BY: DATE: ISSUED FOR CONSTRUCTION:

APPROVED BY: DATE: DRAWING NUMBER: 26-20-85/DE-10-W181-1-4 SHEET 249 OF 362

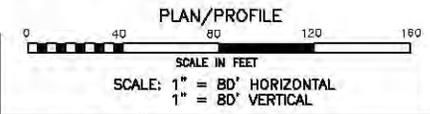
WC: 1110415



- 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 USAGE 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			
			PFO	PSS	PFO	PSS					
DE-11-W245	PFO	139	0.24				0.09	N/A	N	Conventional	

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



DRAWING NO.		REFERENCE TITLE	
26-26-70/0001-84		ALIGNMENT SHEET	

NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
0	08-08-13	GE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
1	08-11-13	GE	ISSUE FOR USE	1110415		
2	10-05-13	GE	REVISED - ISSUE FOR USE	1110415		
3	10-19-13	GE	REVISED - ISSUE FOR USE	1110415		
3	10-31-13	GE	ISSUE FOR USE	1110415		

APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
 HOUSTON, TEXAS

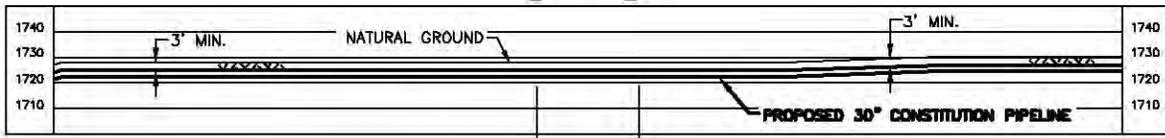
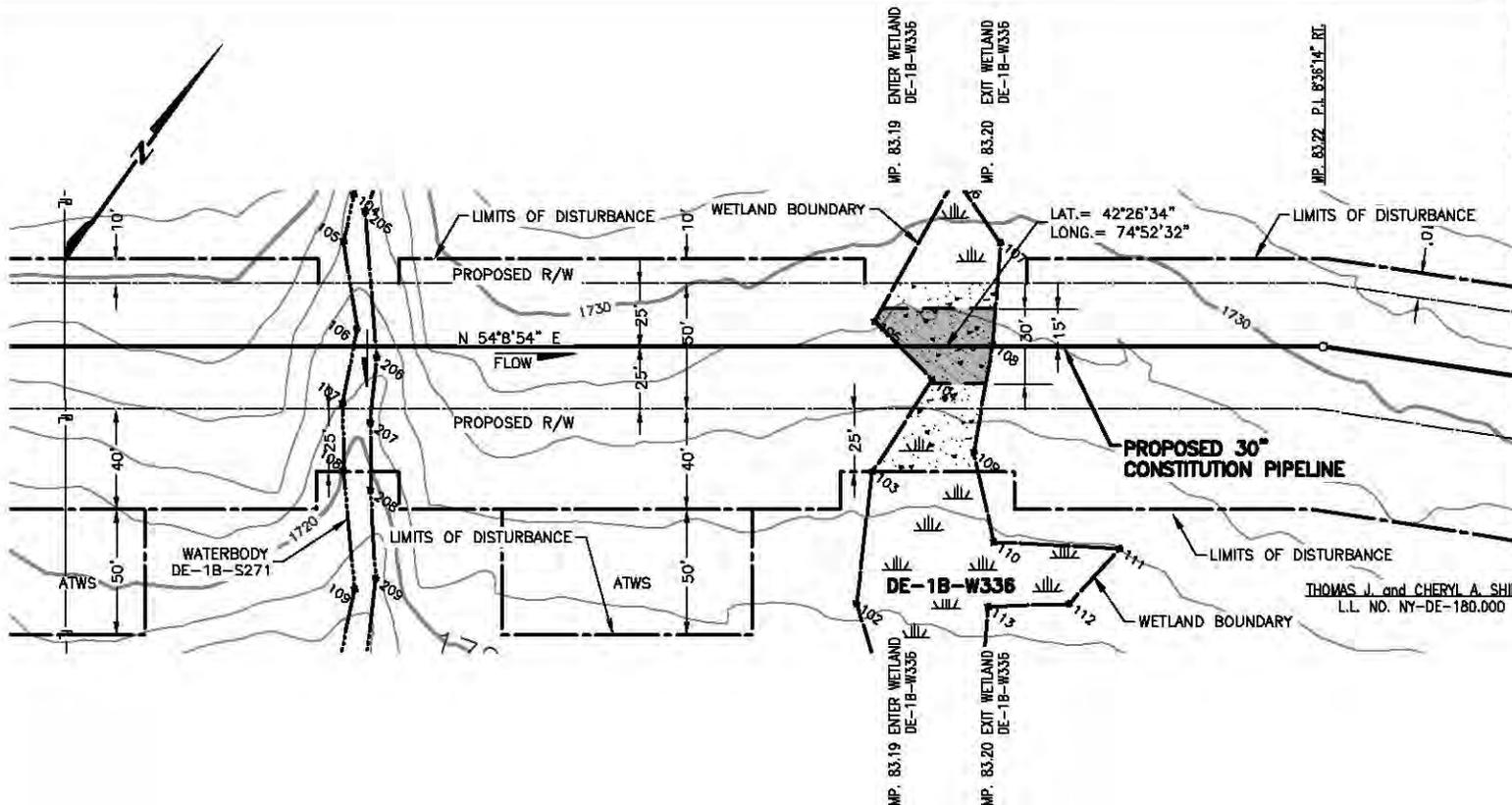
CONSTITUTION PIPELINE COMPANY, LLC.
 ACOE & NYSDEC JOINT PERMIT
 PROPOSED 30" NATURAL GAS PIPELINE
 WETLAND CROSSING DE-11-W245 @ MP 82.03
 TOWN OF DAVENPORT
 DELAWARE COUNTY, NEW YORK

DRAWN BY: GIE DATE: 06-13-2013 ISSUED FOR CONSTRUCTION: SCALE: 1"= 80'

CHECKED BY: DATE: ISSUED FOR CONSTRUCTION:

APPROVED BY: DATE: DRAWING NUMBER: 26-20-85/DE-11-W245-1-3 SHEET 250 OF 362

W.O. 1110415



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

- NOTES:**
- BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
 - ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
 - WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
 - 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.
 - WETLAND DELINEATION COMPLETED BY AECOM.
 - 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				
DE-18-W336	PFO	37	0.06				0.02		N/A	N	Conventional

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

PLAN/PROFILE

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

NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	18-10-13	GE	ISSUED FOR CLIENT REVIEW	1110415		
B	18-25-13	GE	ISSUED FOR CLIENT REVIEW	1110415		
D	18-29-13	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 DE-18-W336 @ M.P. 83.19
TOWN OF DAVENPORT
DELAWARE COUNTY, NEW YORK

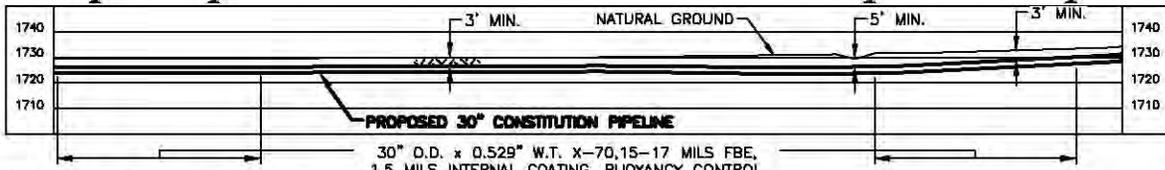
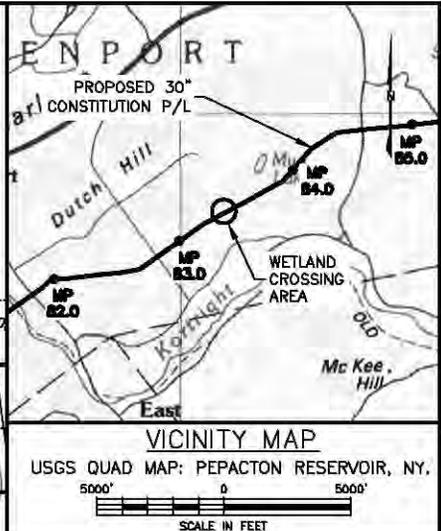
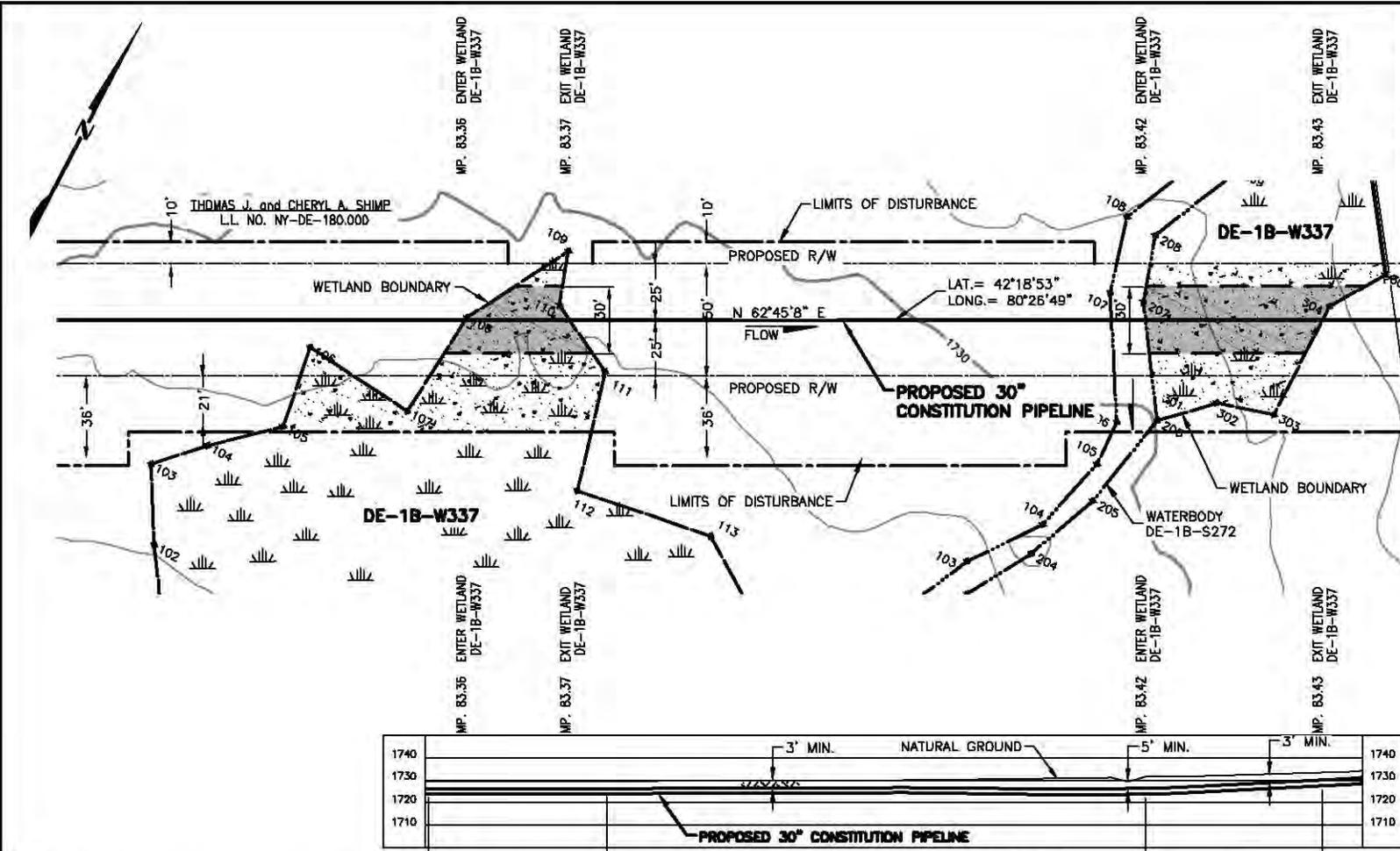
SCALE: 1" = 80'

DRAWN BY: GIE DATE: 10-06-2013 ISSUED FOR BID: SCALE: 1" = 80'

CHECKED BY: DATE: ISSUED FOR CONSTRUCTION:

APPROVED BY: DATE: DRAWING NUMBER: 26-20-85/DE-18-W336-1-0 SHEET 251 OF 362

W.O. 1110415



- NOTES:**
- BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
 - ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
 - WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
 - 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.
 - WETLAND DELINEATION COMPLETED BY AECOM.
 - 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				
DE-1B-W337	PFO	126	0.25			0.09			N/A	N/A	Conventional

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

PLAN/PROFILE

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

NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	10-06-13	GE	ISSUED FOR CLIENT REVIEW	1110415		
B	10-25-13	GE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
C	10-29-13	GE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
D	10-31-13	GE	ISSUE FOR USE	1110415		

APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
 HOUSTON, TEXAS

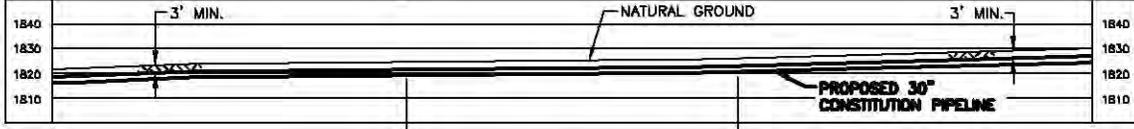
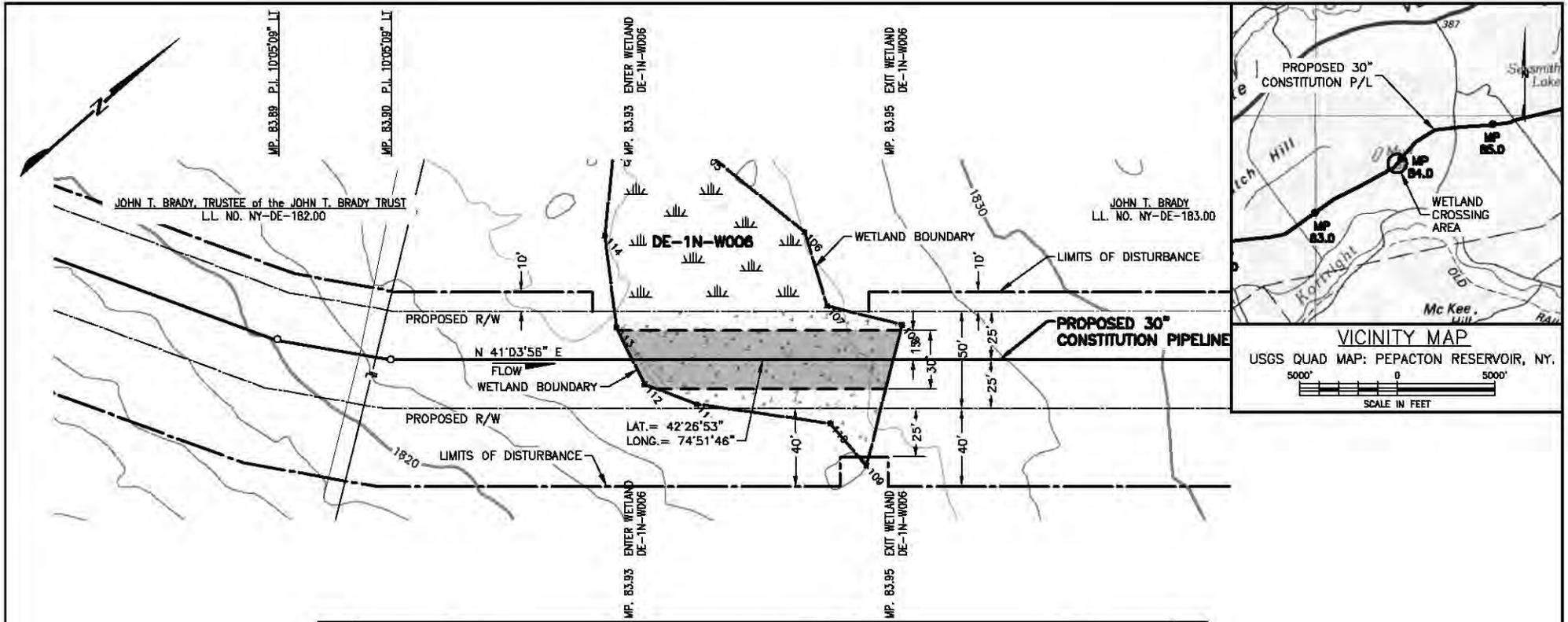
CONSTITUTION PIPELINE COMPANY, LLC.
 ACDE & NYSDEC JOINT PERMIT
 PROPOSED 30" NATURAL GAS PIPELINE
 WETLAND CROSSING DE-1B-W337 @ M.P. 83.36
 TOWN OF DAVENPORT
 DELAWARE COUNTY, NEW YORK

DRAWN BY: GTE DATE: 10-06-2013 ISSUED FOR BID: SCALE: 1" = 80'

CHECKED BY: DATE: ISSUED FOR CONSTRUCTION:

APPROVED BY: DATE: DRAWING NUMBER: 26-20-85/DE-1B-W337-1-0 SHEET 252 OF 362

W.O. 1110415



- NOTES:**
- BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
 - ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
 - WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
 - THE LOCATION OF TRENCH BREAKERS, SLOPE BREAKERS (WATERBARS) AND ALL BMP'S ARE INDICATED ON THE ALIGNMENT SHEETS AND FURTHER DETAILED WITHIN THE EOP BMP TYPICAL DETAILS.
 - WETLAND DELINEATION COMPLETED BY AECOM.
 - 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 PFD WETLANDS.

30" O.D. x D.529" W.T. X-70,15-17 MILS FBE,
 1.5 MILS INTERNAL COATING, BUOYANCY CONTROL

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			
DE-1N-W006	PFO	134	0.16			0.09		N/A	N	Conventional

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

PLAN/PROFILE

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

DRAWING NO.	REFERENCE TITLE
28-28-70/0001-85	ALIGNMENT SHEET

NO.	DATE	BY	REVISION DESCRIPTION	W.D. NO.	CHK.	APP.
0	08-09-13	GE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
0	08-17-13	GE	ISSUE FOR USE	1110415		
1	10-07-13	GE	REVISED - ISSUE FOR USE	1110415		
2	10-25-13	GE	REVISED - ISSUE FOR USE	1110415		
3	10-28-13	GE	ISSUE FOR USE	1110415		

APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
 HOUSTON, TEXAS

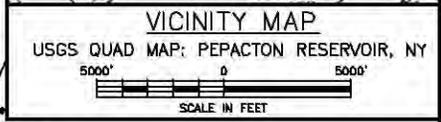
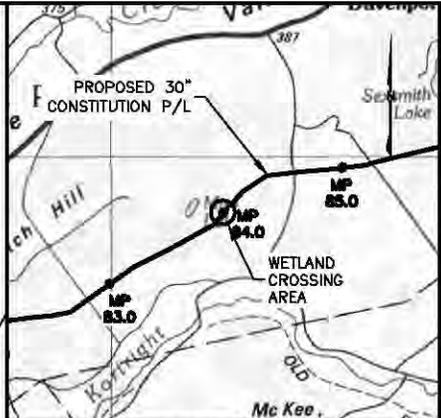
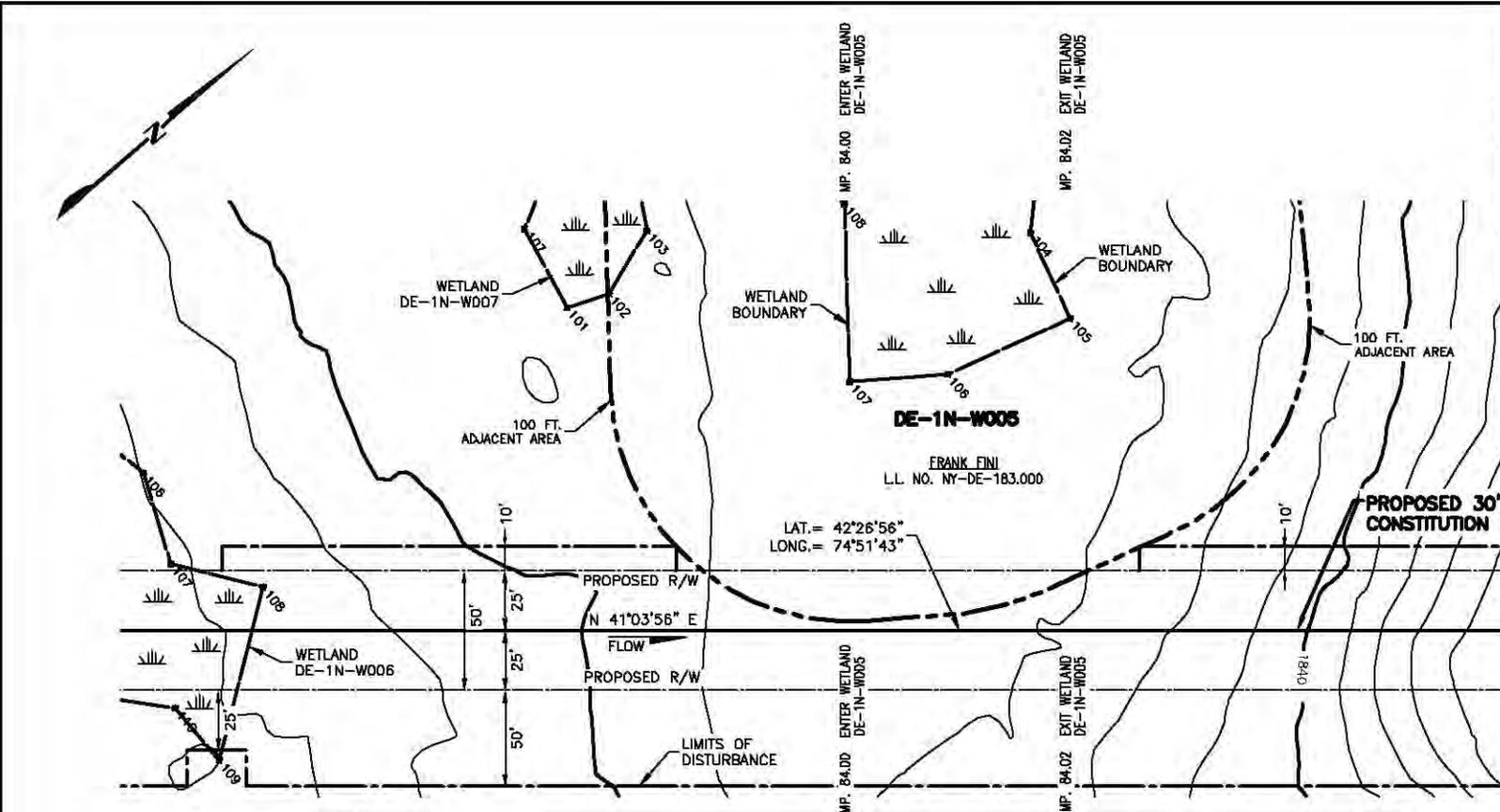
CONSTITUTION PIPELINE COMPANY, LLC.
 ACDE & NYSDEC JOINT PERMIT
 PROPOSED 30" NATURAL GAS PIPELINE
 WETLAND CROSSING DE-1N-W006 @ M.P. 83.93
 TOWN OF DAVENPORT
 DELAWARE COUNTY, NEW YORK

DRAWN BY: GIE DATE: 07-24-2013 ISSUED FOR BID: SCALE: 1" = 80'

CHECKED BY: DATE: ISSUED FOR CONSTRUCTION:

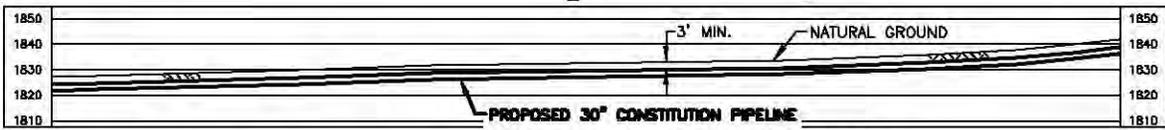
APPROVED BY: DATE: DRAWING NUMBER: 26-20-85/DE-1N-W006-1-3 SHEET 253 OF 362

WC: 1110415



LAT. = 42°26'56"
LONG. = 74°51'43"

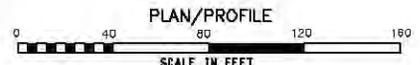
FRANK FINI
L.L. NO. NY-DE-183.000



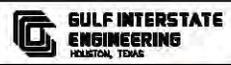
30" O.D. x D.529" W.T. X-70, 15-17 MILS FBE,
1.5 MILS INTERNAL COATING

NOTES:

- BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
- ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
- WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
- 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.
- WETLAND DELINEATION COMPLETED BY AECOM.
- 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.



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



APPLICATION NO.: NAN-2012-00449-UBR

CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING DE-1N-W005 @ M.P. 84.00
TOWN OF FRANKLIN
DELAWARE COUNTY, NEW YORK

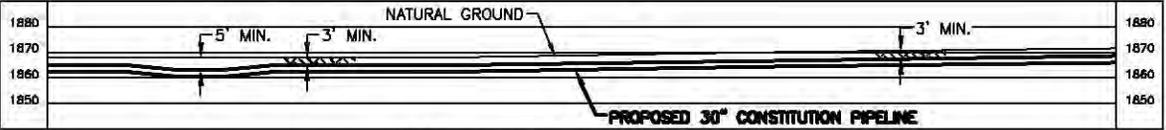
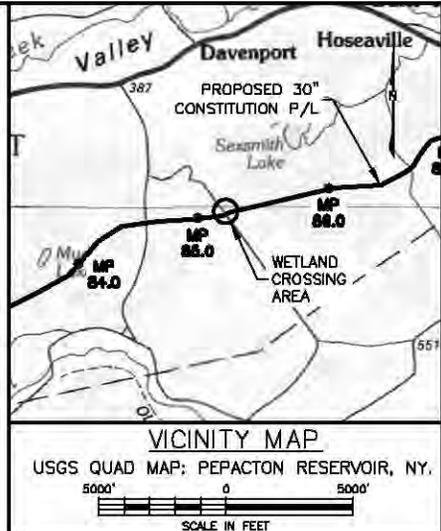
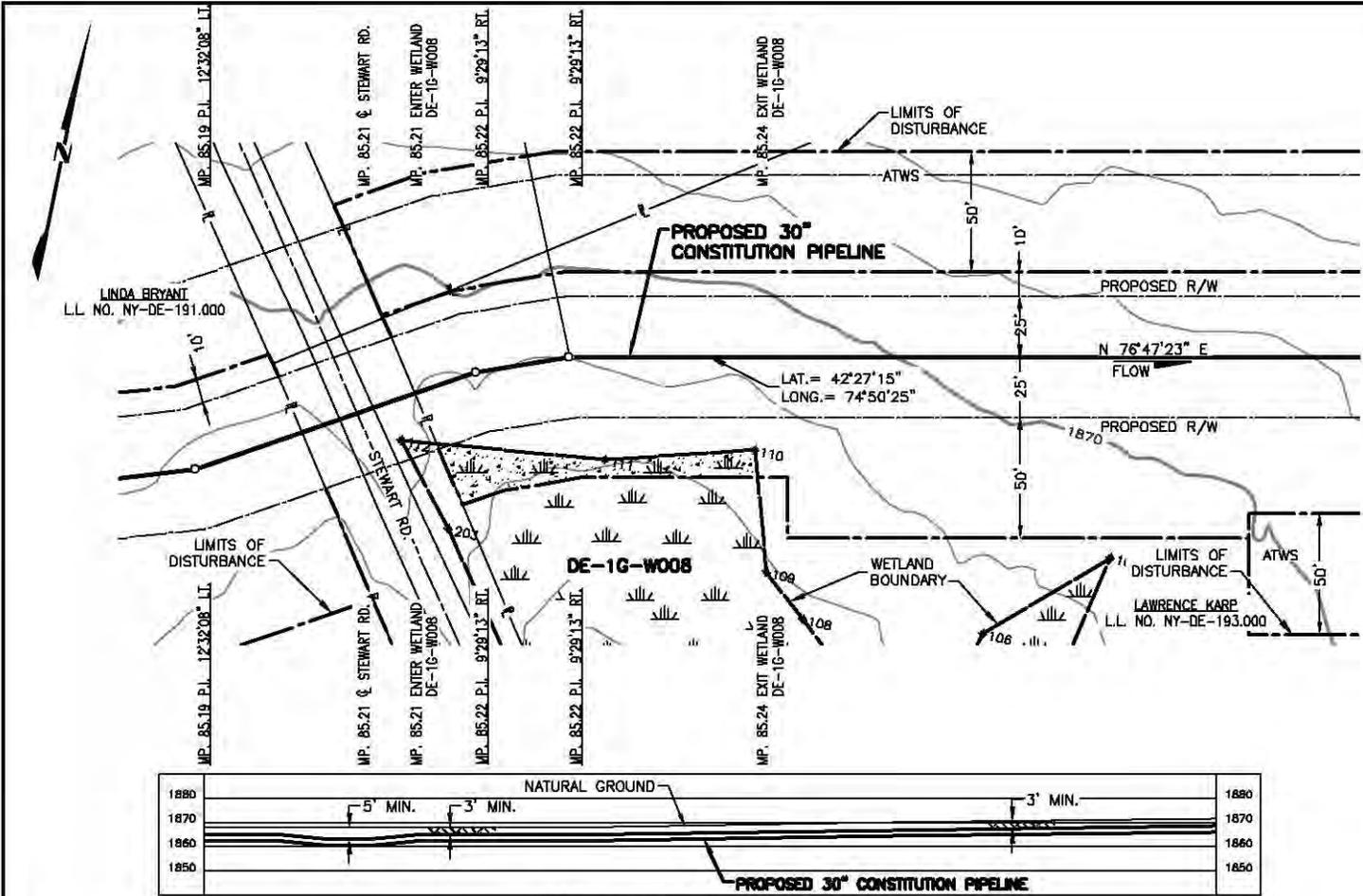
Wetland ID	Wetland Class	Crossing Length (feet)	Wetland Impact (acres)					State Wetland Classification	NYSDEC Regulated Wetland (Y/N)	Crossing Method
			Construction		Operation					
			PFO	PSS	PEM	PFO	PSS			
DE-1N-W005							D-10, Class II	Y	N/A	

TROY L. KENNEDY JR.

N.Y. PROFESSIONAL ENGINEER
NO. 69074

DRAWING NO.		REFERENCE TITLE				
26-26-70/0001-85		ALIGNMENT SHEET				
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	11-17-13	GE	ISSUE FOR CLIENT REVIEW	1110415		
B	11-18-13	GE	ISSUE FOR USE	1110415		

DRAWN BY: GIE	DATE: 11-17-13	ISSUED FOR BID:	SCALE: 1" = 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/DE-1N-W005-1-0	SHEET 254 OF 362
WC: 1110415			



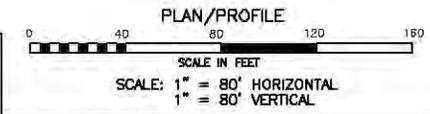
30" O.D. x 0.529" W.T. X-70, 15-17 MILS FBE,
1.5 MILS INTERNAL COATING

NOTES:

- BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
- ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
- WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
- 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.
- WETLAND DELINEATION COMPLETED BY AECOM.
- THIS DRAWING DEPICTS IMPACTS REQUIRED FOR A JOINT APPLICATION WITH THE USACE AND THE NYDEC. FROM THE LANDOWNER TO CONSTITUTION. THE PROPOSED R/W IS A 90 FOOT PERMANENT RIGHT-OF-WAY (ROW) THAT REPRESENTS A LEGAL EASEMENT AGREEMENT WITH 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			
DE-1G-W008	PFO	0	0.04					N/A	N	N/A

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



DRAWING NO.		REFERENCE TITLE	
26-26-70/0001-87		ALIGNMENT SHEET	

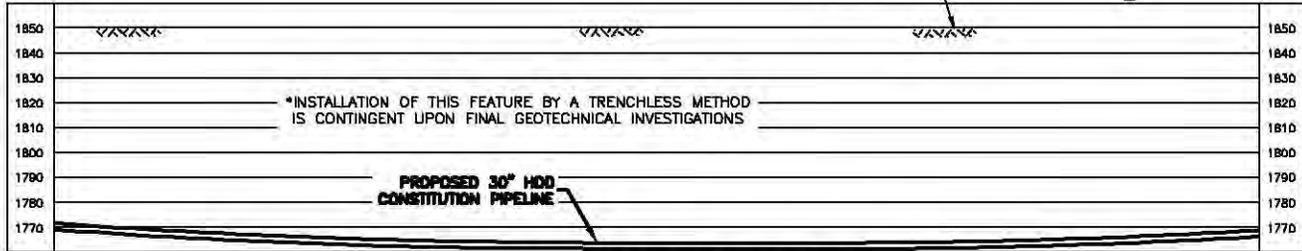
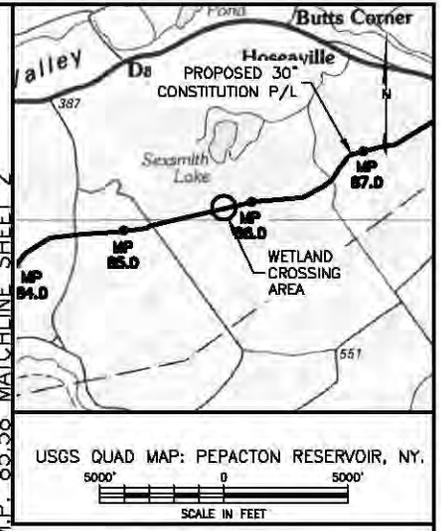
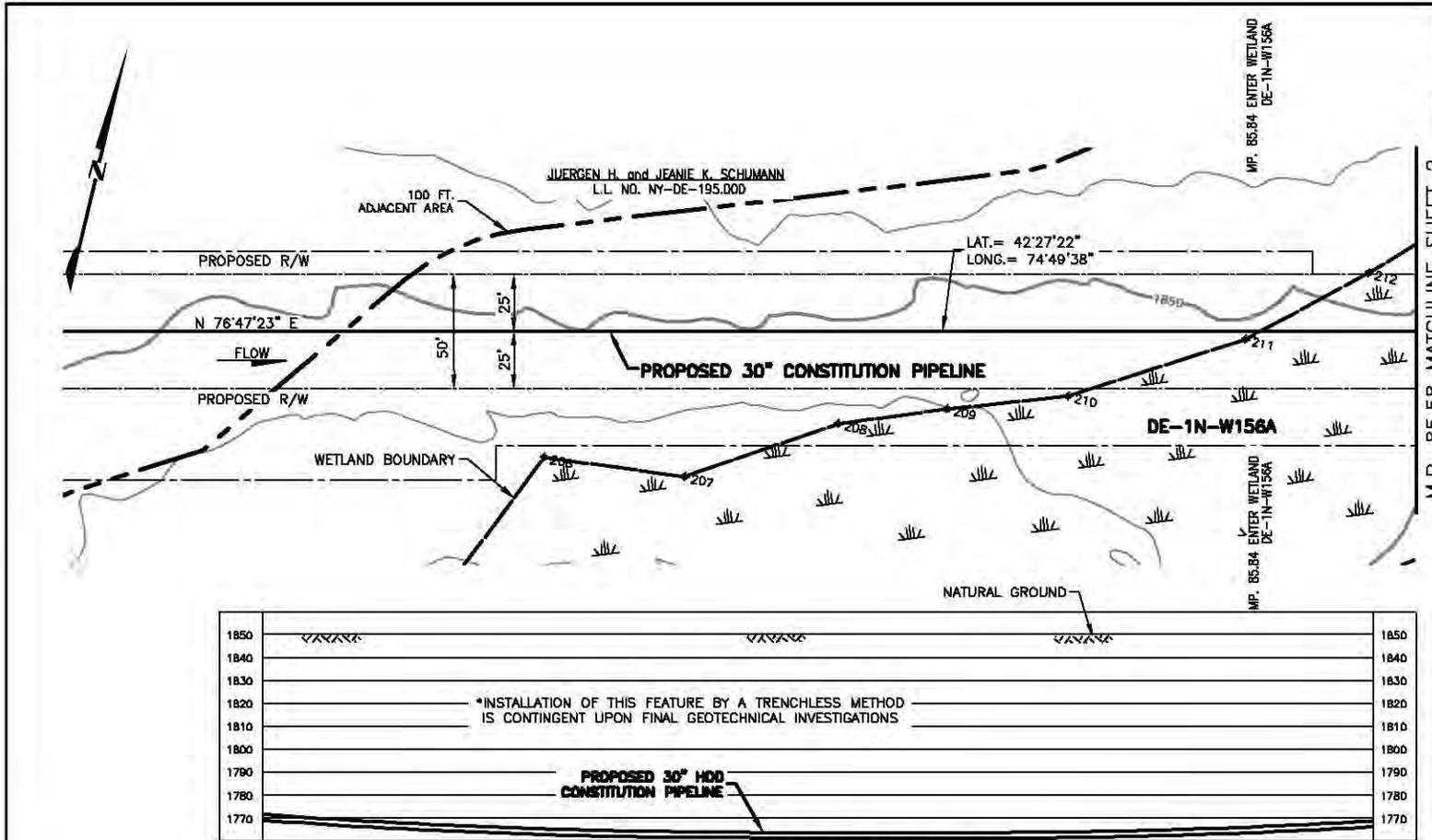
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	08-13-13	GE	ISSUE FOR CLIENT REVIEW	1110415		
B	08-14-13	GE	REVISED - ISSUE FOR CLIENT REVIEW	1110415		
C	08-18-13	GE	ISSUE FOR USE	1110415		
1	10-07-13	GE	REVISED - ISSUE FOR USE	1110415		
2	10-26-13	GE	ISSUE FOR USE	1110415		


GULF INTERSTATE ENGINEERING
 HOUSTON, TEXAS

APPLICATION NO.: NAN-2012-00449-UBR
 CONSTITUTION PIPELINE COMPANY, LLC.
 ACOE & NYSDC JOINT PERMIT
 PROPOSED 30" NATURAL GAS PIPELINE
 WETLAND CROSSING DE-1G-W008 @ N.P. 85.21
 TOWN OF DANVORT
 DELAWARE COUNTY, NEW YORK



DRAWN BY: GIE	DATE: 08-10-2013	ISSUED FOR BID:	SCALE: 1" = 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER:	26-20-85/DE-1G-W008-1-2 SHEET 255 OF 362
WD: 1110415			



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

- NOTES:**
- BEARINGS SHOWN ARE GRID AND REFERENCED TO THE COORDINATE SYSTEM, UTM 18N NAD83, NAVD88 US SURVEY FEET.
 - ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88 US SURVEY FEET.
 - WETLANDS AND WATERBODIES ON NO ACCESS PARCEL IDENTIFIED USING NATIONAL WETLANDS INVENTORY AND NATIONAL HYDROGRAPHY DATASET INFORMATION.
 - 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.
 - WETLAND DELINEATION COMPLETED BY AEGOM.
 - 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			
DE-1N-W156A	PFO	68	0			0		D-11, CLASS II	Y	HDD

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

PLAN/PROFILE

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

DRAWING NO.	REFERENCE TITLE
26-28-70/0001-87	ALIGNMENT SHEET

NO.	DATE	BY	REVISION DESCRIPTION	W.D. NO.	CHK.	APP.
1	10-08-13	GE	REVISED - ISSUE FOR USE	1110415		
2	10-23-13	GE	REVISED - ISSUE FOR USE	1110415		
3	10-29-13	GE	REVISED - ISSUE FOR USE	1110415		
4	10-30-13	GE	REVISED - ISSUE FOR USE	1110415		
5	11-01-13	GE	ISSUE FOR USE	1110415		

APPLICATION NO.: NAN-2012-00449-UBR

GULF INTERSTATE ENGINEERING
HOUSTON, TEXAS

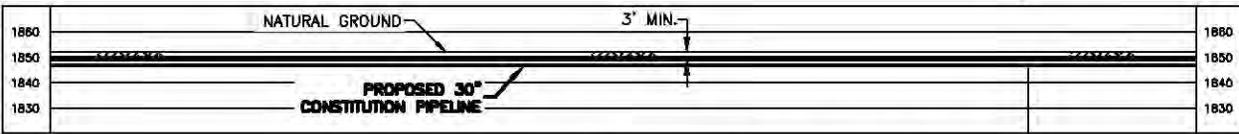
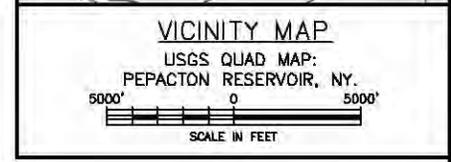
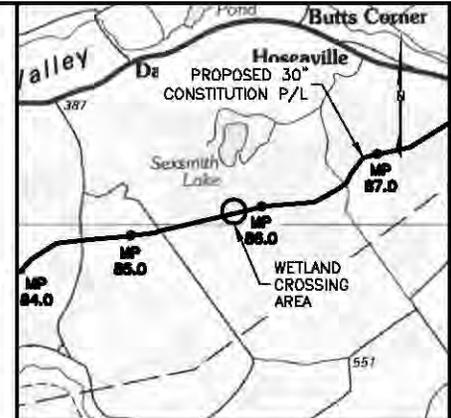
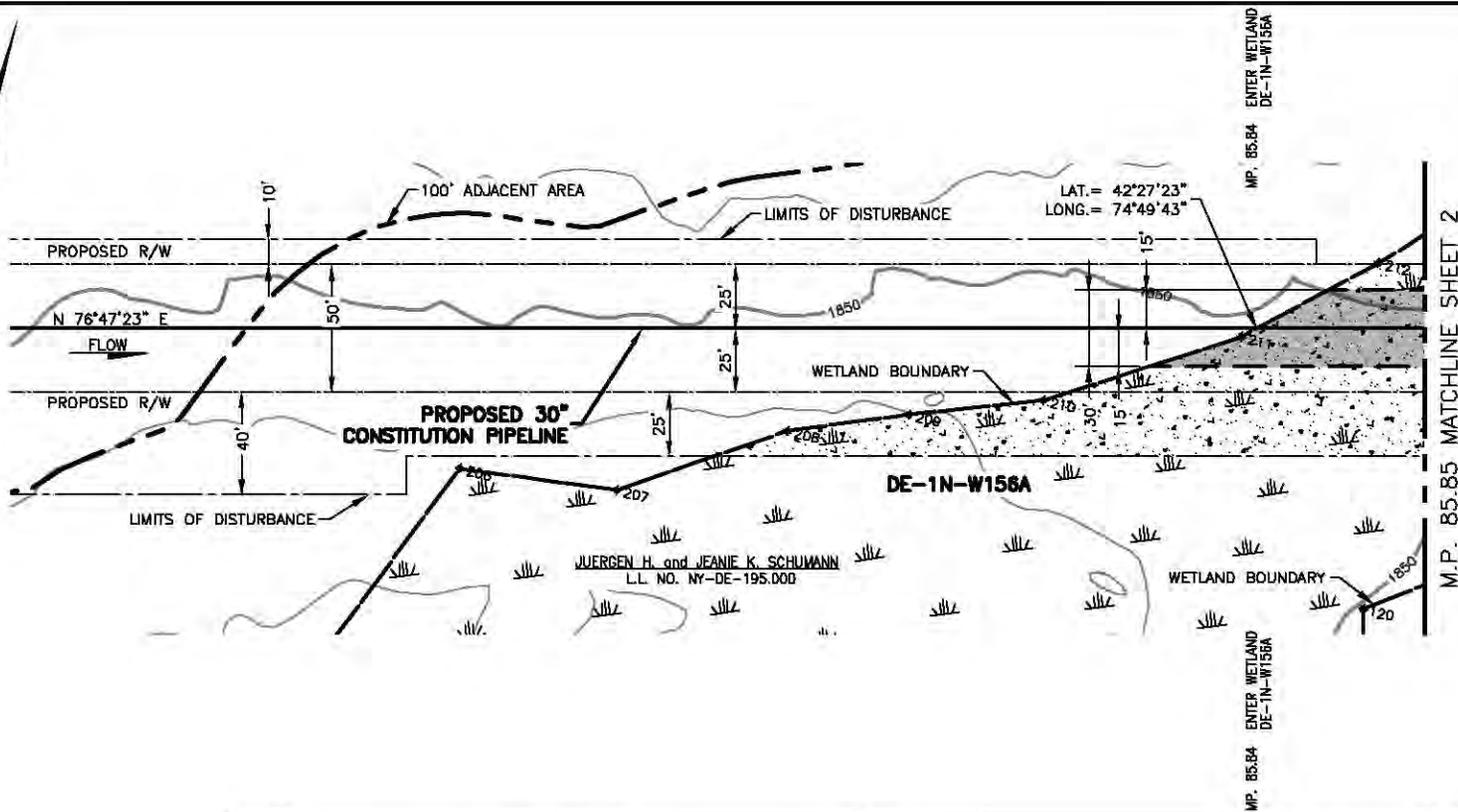
CONSTITUTION PIPELINE COMPANY, LLC.
ACDE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING DE-1N-W156A @ M.P. 85.84
TOWN OF DAVENPORT
DELAWARE COUNTY, NEW YORK

DRAWN BY: GIE DATE: 07-24-2013 ISSUED FOR BID: SCALE: 1" = 80'

CHECKED BY: DATE: ISSUED FOR CONSTRUCTION:

APPROVED BY: DATE: DRAWING NUMBER: 26-20-85/DE-1N-W156A-1-5 SHEET 256 OF 362

WC: 1110415



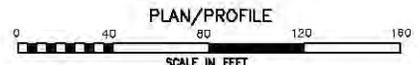
30" D.D. x D.635" W.T. X-7D, 15-17 MILS FBE, 1.5 MILS INTERNAL COATING, BUOYANCY CONTROL

- 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				
DE-1N-W156A	PFO	66	0.21				0.05	D-11, CLASS II	Y	Conventional	

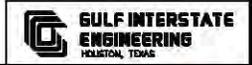
TROY L. KENNEDY JR.
N.Y. PROFESSIONAL ENGINEER
NO. 69074



DRAWING NO.	REFERENCE TITLE
26-26-70/0001-87	ALIGNMENT SHEET

NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
A	10-22-13	GE	ISSUED FOR CLIENT REVIEW	1110415		
B	10-30-13	GE	REVISED - ISSUED FOR CLIENT REVIEW	1110415		
D	10-31-13	GE	ISSUE FOR USE	1110415		

APPLICATION NO.: NAN-2012-00449-UBR



CONSTITUTION PIPELINE COMPANY, LLC.
ACOE & NYSDEC JOINT PERMIT
PROPOSED 30" NATURAL GAS PIPELINE
WETLAND CROSSING DE-1N-W156A @ M.P. 85.84
TOWN OF DAVENPORT
DELAWARE COUNTY, NEW YORK

DRAWN BY: GIE	DATE: 10-22-13	ISSUED FOR BID:	SCALE: 1" = 80'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER: 26-20-85/DE-1N-W156A-DC-1-0	SHEET 256 OF 362