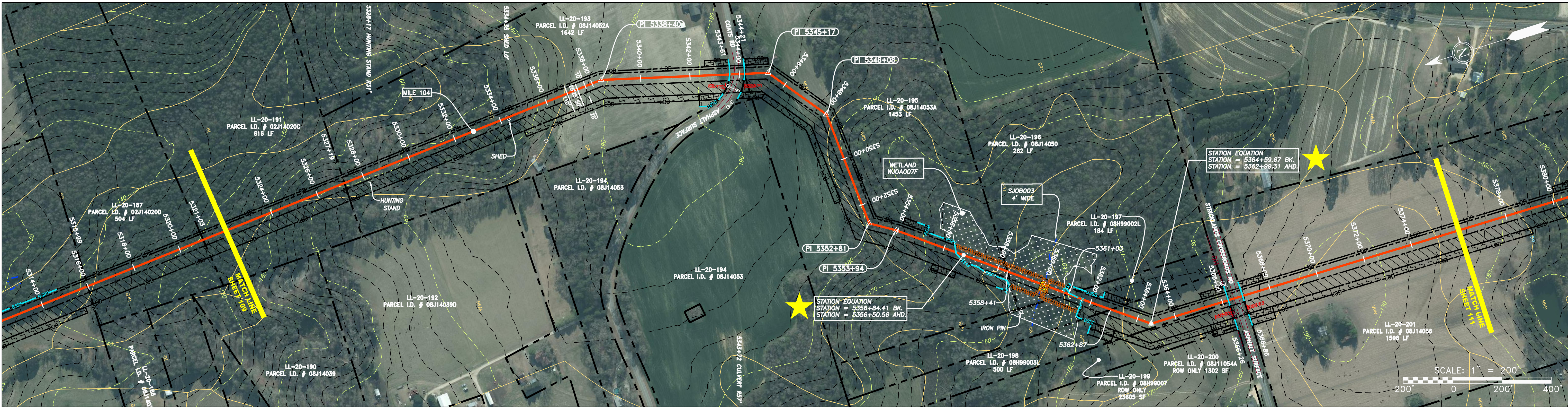
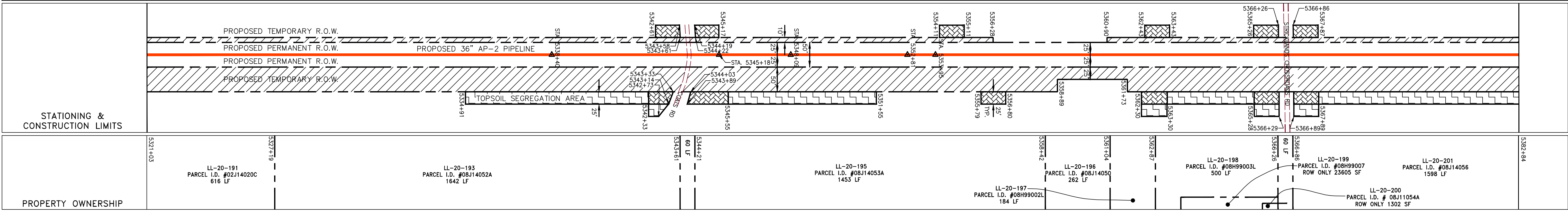
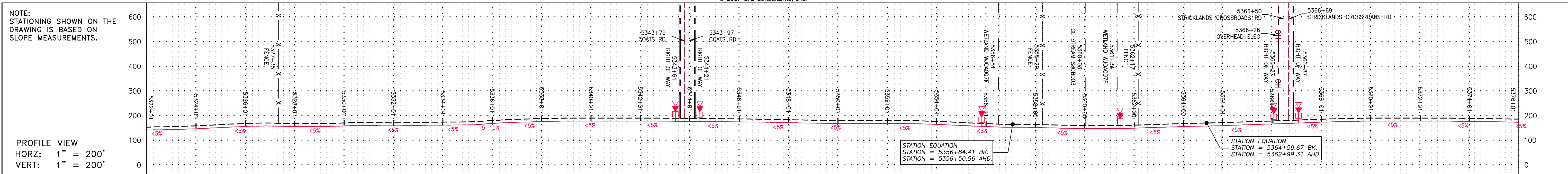


REVISIONS			
NO.	DATE	CHD.	APPD.

PROJECT NO./DASH NO.
140468

TASK NO. SUB TASK NO.
005 00

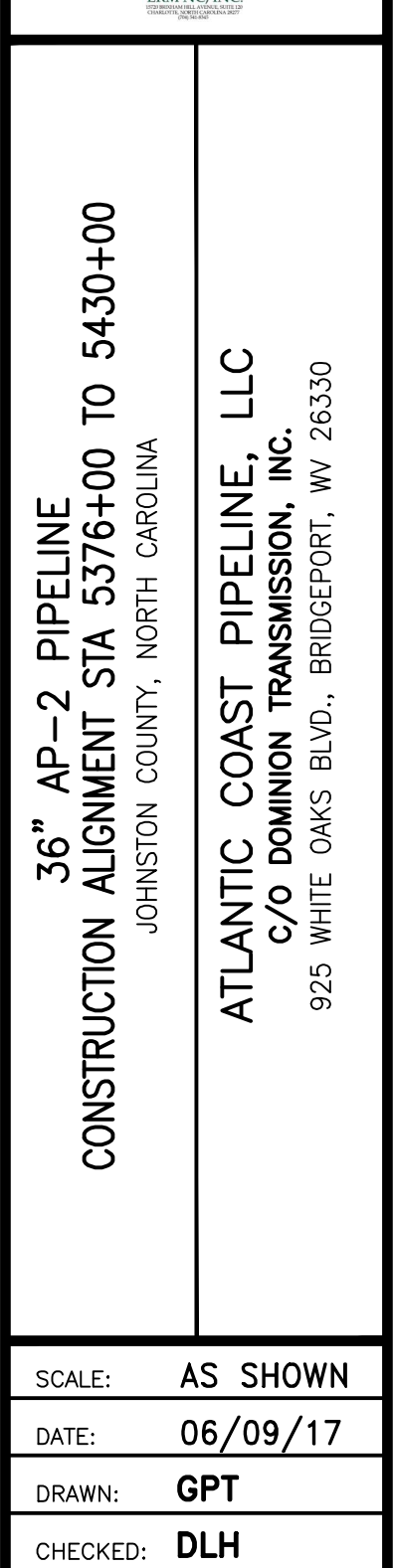
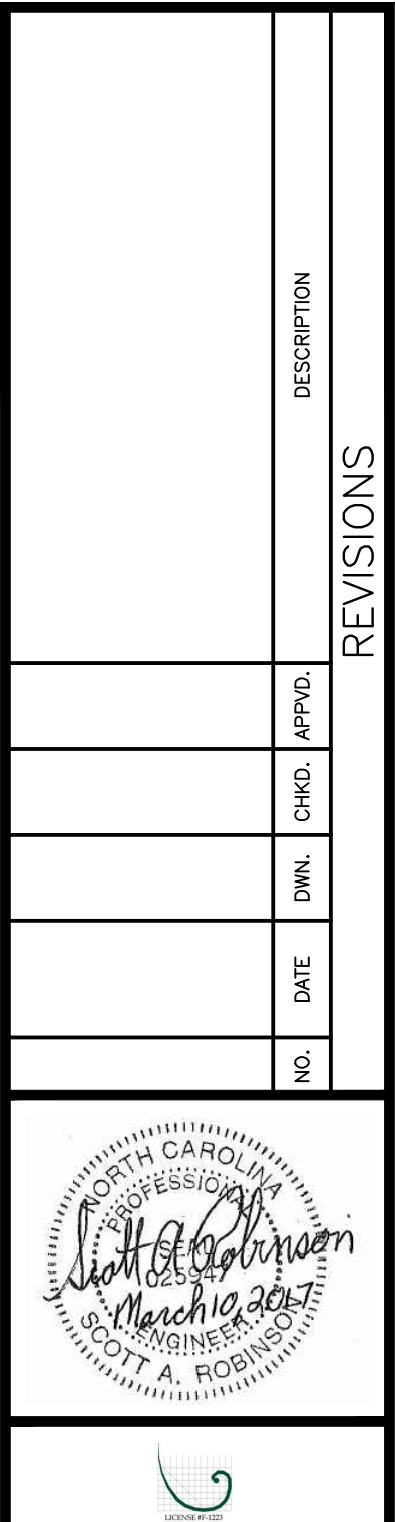
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110 OF 189

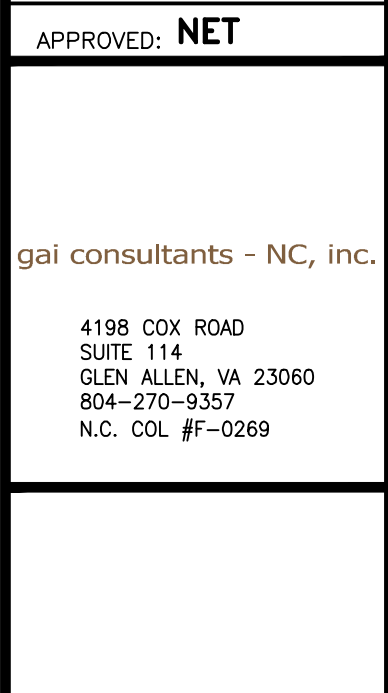
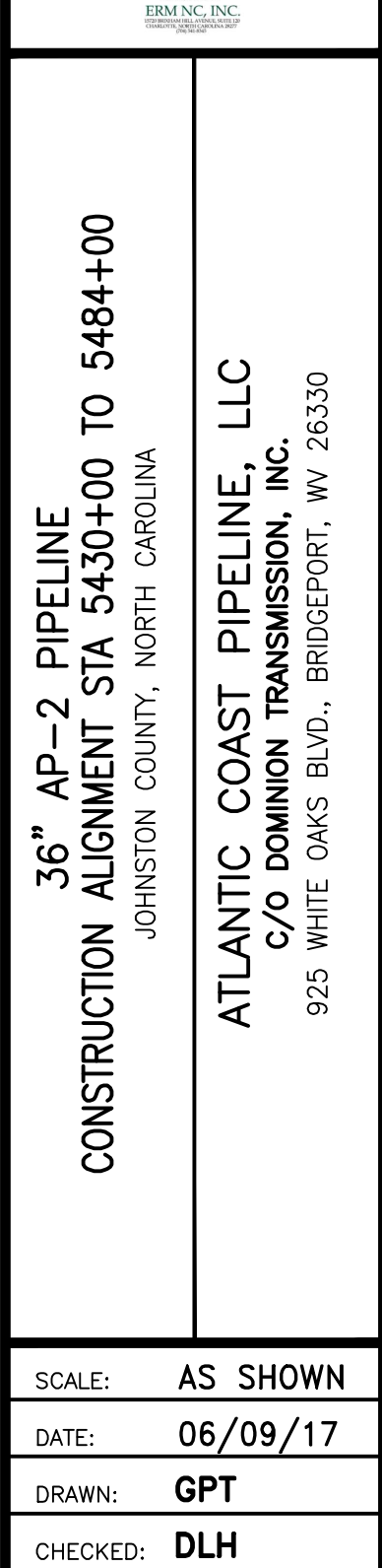
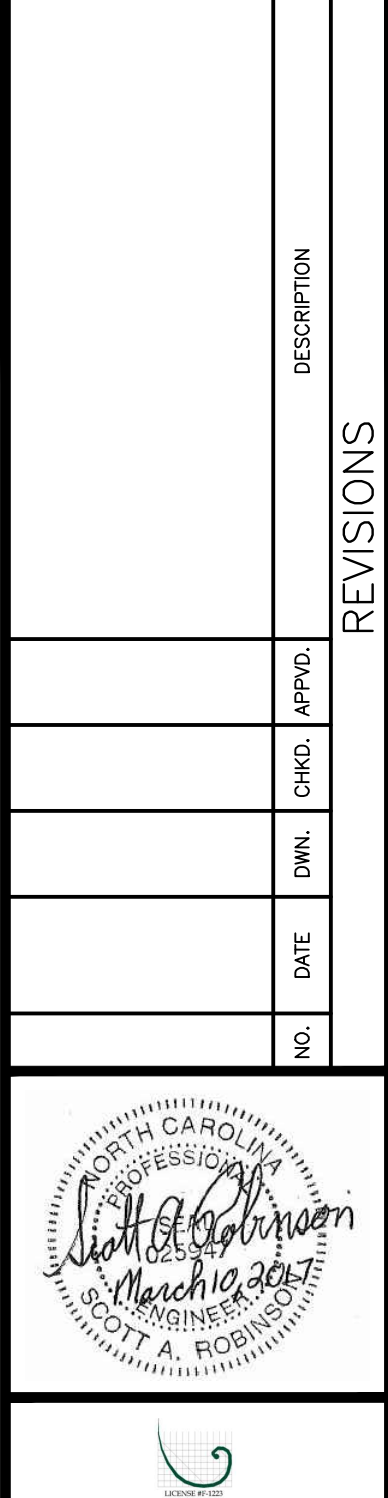
SCALE: AS SHOWN
DATE: 06/09/17
DRAWN: GPT
CHECKED: DLH
APPROVED: NET

gai consultants - NC, inc.
4198 COX ROAD
SUITE 114
GLEN ALLEN, VA 23060
804-270-9357
N.C. COL. #F-0269

36" AP-2 PIPELINE
CONSTRUCTION ALIGNMENT STA 5322+00 TO STA 5376+00
JOHNSON COUNTY, NORTH CAROLINA
ATLANTIC COAST PIPELINE, LLC
C/O DOMINION TRANSMISSION, INC.
925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330

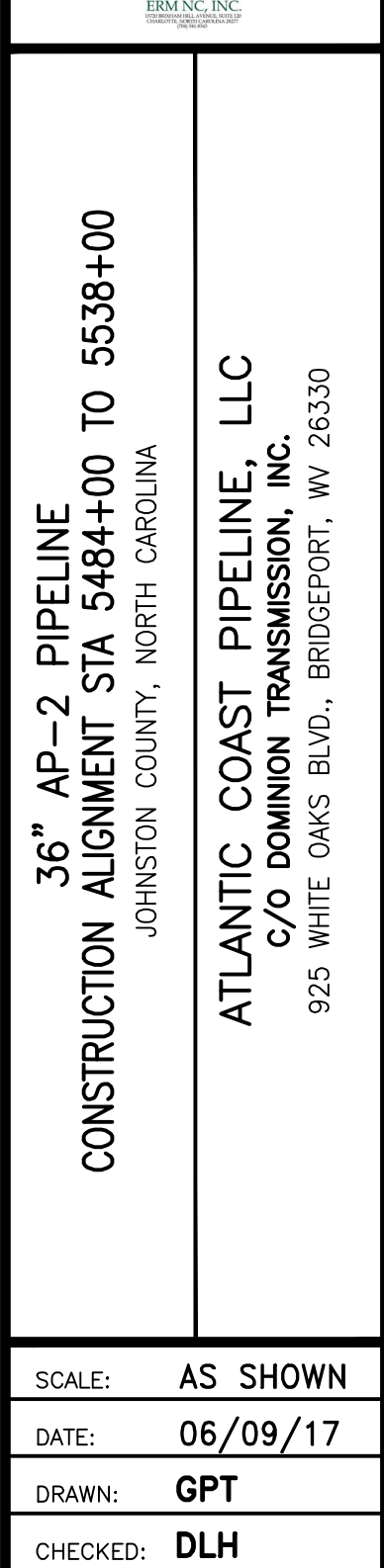
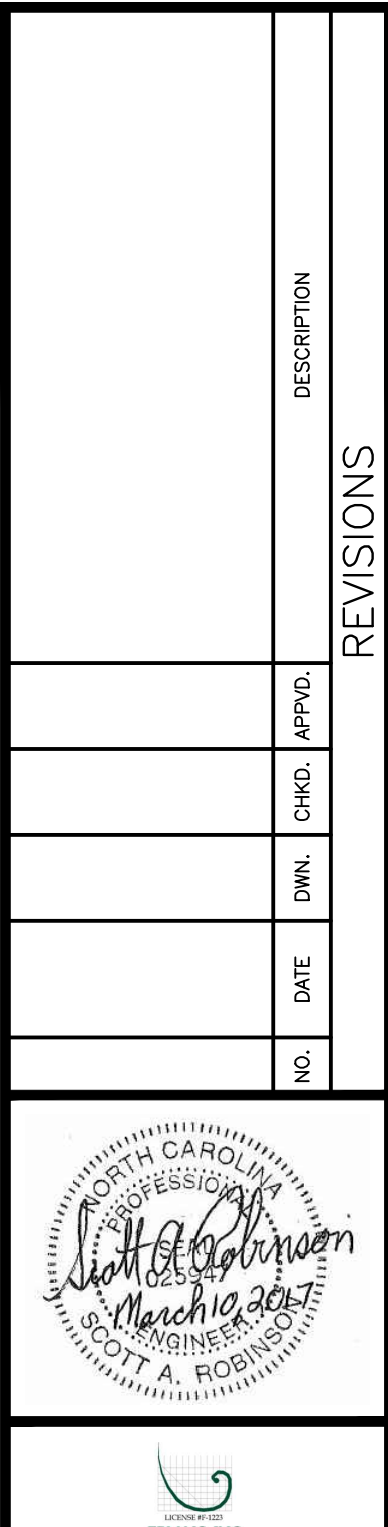


- | | |
|---------------------------------------|----------------------------|
| PROJECT NO./DASH NO.
140468 | |
| TASK NO.
005 | SUB TASK NO.
00 |
| GROUP ID
D | DRAWING NO.
E111 |



- NOTES:**
1. COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W.
 2. CONTOURS AND TOPOGRAPHIC FEATURES WERE DERIVED FROM LIDAR DATA AND GPS SUB-METER GROUND SURVEY PERFORMED BY GAI CONSULTANTS, INC FROM 11-03-2014 THRU 11-07-2014.
 3. IMAGERY TAKEN FROM GOOGLE EARTH.
 4. THE PROPERTY LINES SHOWN ARE BASED ON GAI'S TAX ASSESSMENT RECORDS (PROVIDED BY OTHERS). GAI CONSULTANTS MAKE NO GUARANTEE EITHER EXPRESSED OR IMPLIED AS TO THE ACCURACY OF THE RECORDS AS SHOWN ON THESE DRAWINGS.
 5. EROSION AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ENR.
 6. EROSION AND SEDIMENTATION CONTROL ELEMENTS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS.
 7. ALL STATIONING SHOWN IS SLOPE STATIONING.
 8. SILT FENCE AND FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL.
 9. IMPROVEMENTS TO EXISTING ROADS ARE CATEGORIZED INTO FOUR CATEGORIES - 1) EXISTING ROADS NO IMPROVEMENTS, 2) EXISTING ROADS MINOR IMPROVEMENTS, 3) EXISTING ROADS MAJOR IMPROVEMENTS AND 4) NEW ROADS. APPROPRIATE EROSION AND SEDIMENT CONTROLS WILL BE PROVIDED FOR ROADS IN CATEGORIES 2, 3 AND 4. NEW ROADS IN CATEGORIES 1 AND 2 HAVE ADEQUATE EXISTING DRAINAGE, DRAINAGE FEATURES WILL BE PROVIDED FOR ROADS IN CATEGORIES 3 AND 4.
 10. "ENR IS SOLELY RESPONSIBLE FOR THE NATURE AND LOCATION OF THE DEPICTED BMPs AS OF THE DATE SIGNED AND SEALED BASED ON THE SOURCE DATA PROVIDED TO ENR FOR THIS PROJECT. ENR DOES NOT WARRANT THE ACCURACY OF THIS PLAN SET."

PROJECT NO./DASH NO. 140468		
TASK NO. 005	SUB TASK NO. 00	
GROUP ID D	DRAWING NO. E112	
112	OF	189



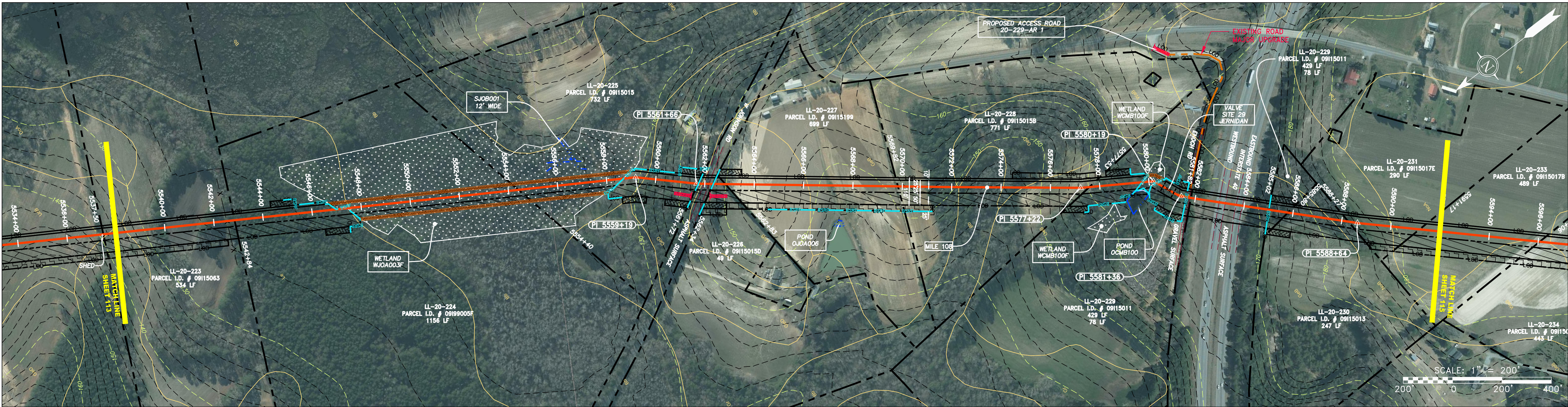
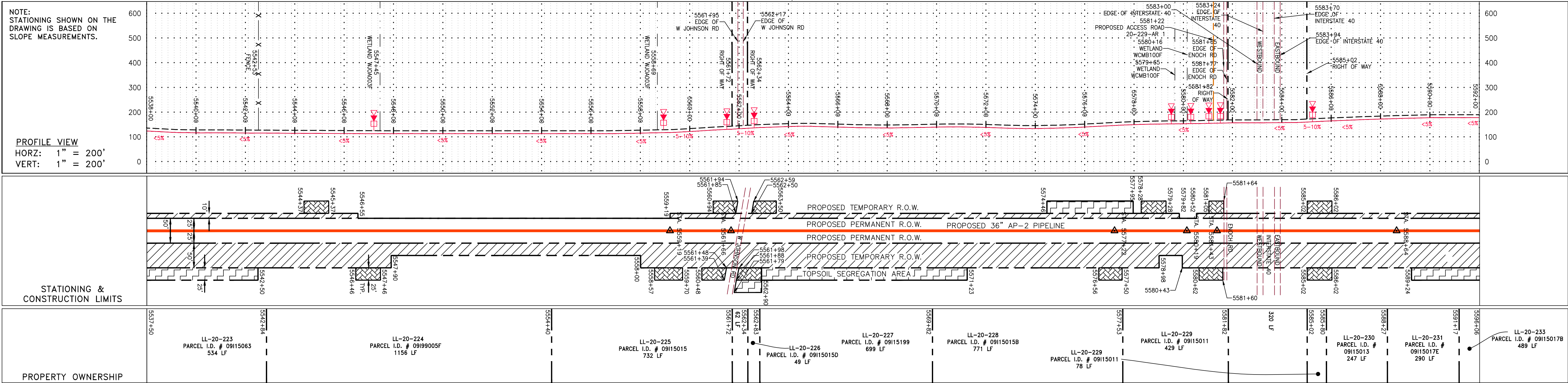
APPROVED: **NET**

gai consultants - NC, inc.

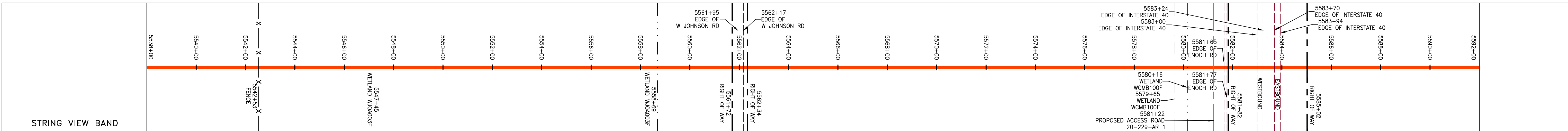
4198 COX ROAD
SUITE 114
GLEN ALLEN, VA 23060
804-270-9357
N.C. COL. #F-0269

PROJECT NO./DASH NO. 140468	
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GROUP ID D	DRAWING NO. E113
113	OF 189

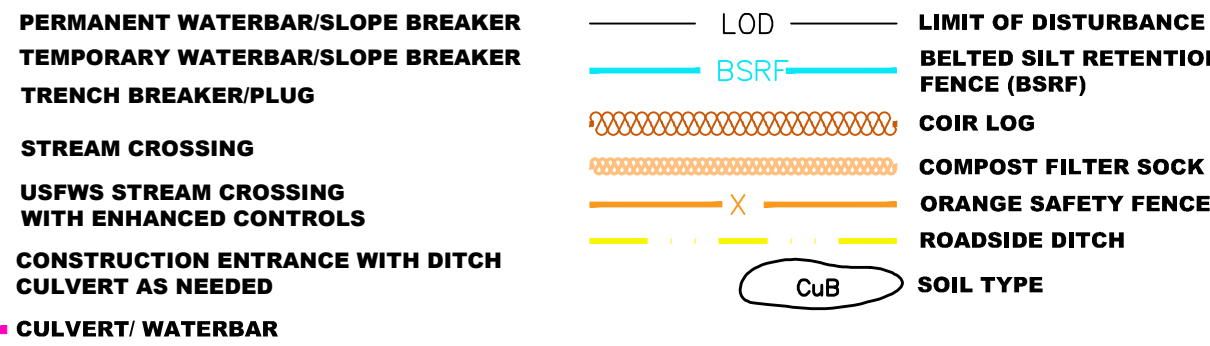
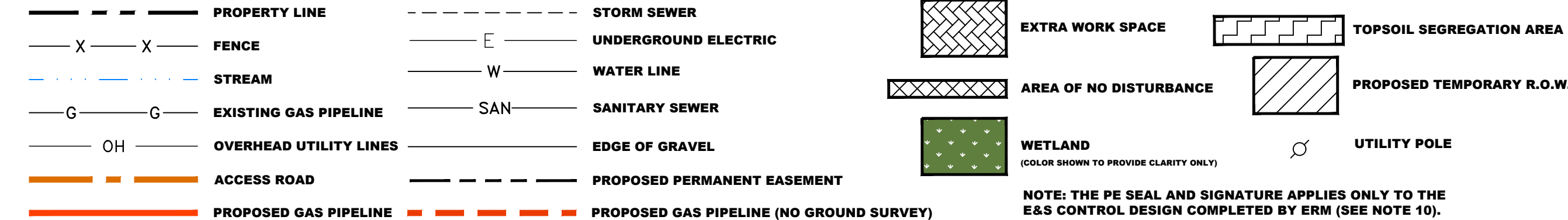
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PIPE SPECIFICATION



LEGEND



NOTES:

- COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W.
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- STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM.
- EROSION AND SEDIMENTATION CONTROL ELEMENTS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS.
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- SILT FENCE AND FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL.
- ACCESS ROADS HAVE BEEN GROUPED INTO FOUR CATEGORIES - 1) EXISTING ROADS NO IMPROVEMENTS, 2) EXISTING ROADS MINOR IMPROVEMENTS, 3) EXISTING ROADS MAJOR IMPROVEMENTS AND 4) NEW ROADS. APPROPRIATE EROSION AND SEDIMENT CONTROLS WILL BE PROVIDED FOR ROADS IN CATEGORIES 2, 3 AND 4. ROADS IN CATEGORIES 1 AND 2 HAVE ADEQUATE EXISTING DRAINAGE FEATURES WILL BE PROVIDED FOR ROADS IN CATEGORIES 3 AND 4.
- ERM IS SOLELY RESPONSIBLE FOR THE NATURE AND LOCATION OF THE DEPICTED BMPs AS OF THE DATE SIGNED AND SEALED BASED ON THE SOURCE DATA PROVIDED AND AS DESCRIBED IN THE NOTES SECTION OF THE INDEX SHEET OF THIS PLAN SET.

REVISIONS	
NO.	DATE
CHKD.	DWN.
APPRD.	DESCRIPTION

PROJECT NO./DASH NO.
140468

TASK NO. SUB TASK NO.
005 00

GROUP ID DRAWING NO.
D E114

114 OF 189

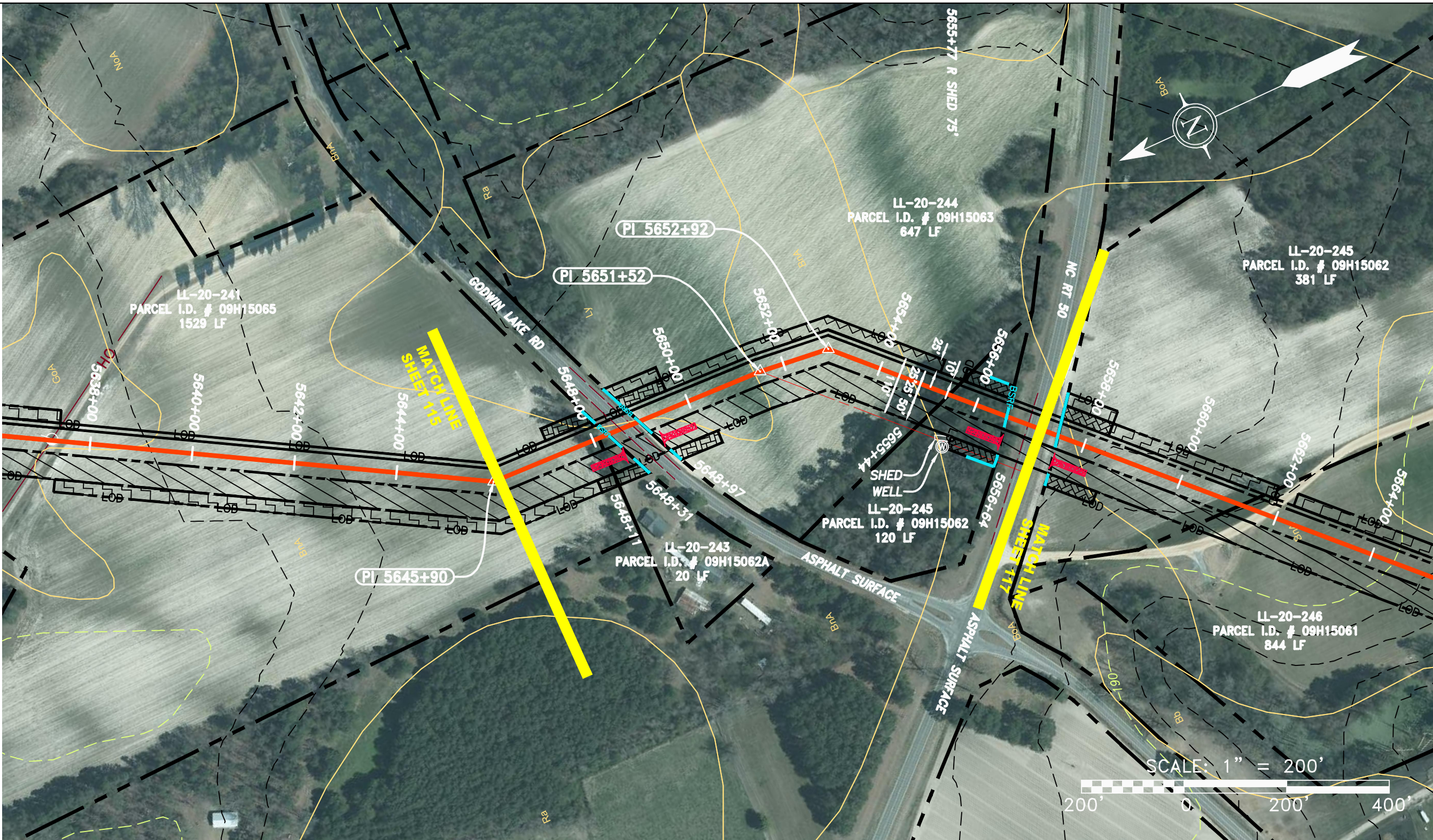
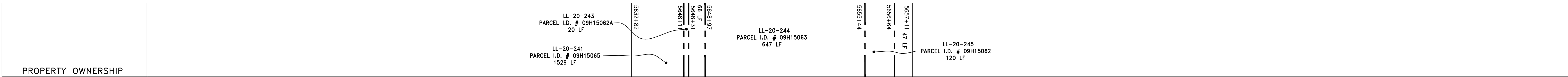
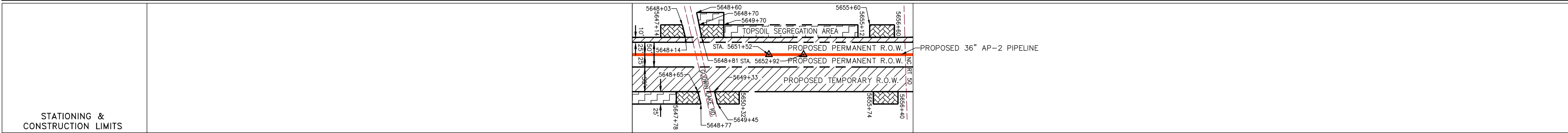
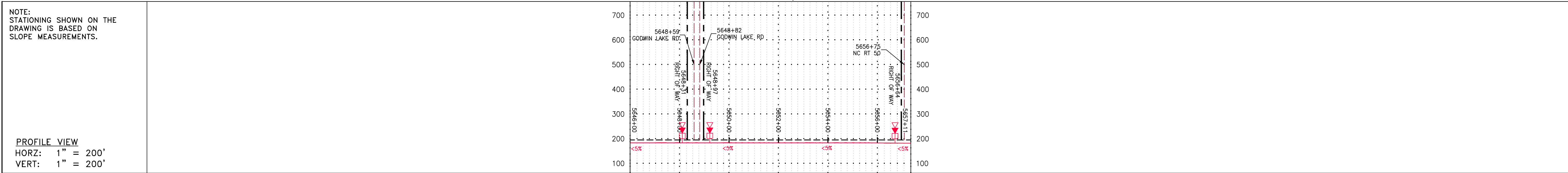
36" AP-2 PIPELINE
CONSTRUCTION ALIGNMENT STA 5538+00 TO 5592+00
JOHNSTON COUNTY, NORTH CAROLINA

ATLANTIC COAST PIPELINE, LLC
C/O DOMINION TRANSMISSION, INC.
925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330

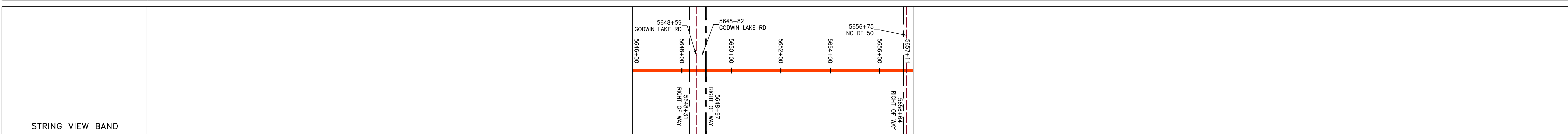
SCALE: AS SHOWN
DATE: 06/09/17
DRAWN: GPT
CHECKED: DLH
APPROVED: NET

gai consultants - NC, inc.
4198 COX ROAD
SUITE 114
GLEN ALLEN, VA 23060
804-270-9357
N.C. COL. #1-0269

GAI CAD FILE NO. \\ITG-FS\\THRASHER\\050-5159 - GIA, INC. - GAI - THRASHER - SERP - MAPPING\\SURVEY\\DRAWING\\SEC 10\\SECT 10 SHEETS - 116 (51).DWG



PIPE SPECIFICATION	
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LEGEND

— X — X —	PROPERTY LINE	— E —	STORM SEWER
— W — W —	FENCE	— W —	UNDERGROUND ELECTRIC
— G — G —	STREAM	— SAN —	WATER LINE
— OH — OH —	EXISTING GAS PIPELINE	— SAN —	SANITARY SEWER
— OH — OH —	OVERHEAD UTILITY LINES	— E —	EDGE OF GRAVEL
— OH — OH —	ACCESS ROAD	— SAN —	PROPOSED PERMANENT EASEMENT
— OH — OH —	PROPOSED GAS PIPELINE	— SAN —	PROPOSED GAS PIPELINE (NO GROUND SURVEY)

EXTRA WORK SPACE

AREA OF NO DISTURBANCE

WETLAND
(COLOR SHOWN TO PROVIDE CLARITY ONLY)

UTILITY POLE

TOPSOIL SEGREGATION AREA

PROPOSED TEMPORARY R.O.W.

NOTE: THE PE SEAL AND SIGNATURE APPLIES ONLY TO THE
E&S CONTROL DESIGN COMPLETED BY ERM (SEE NOTE 10).

PERMANENT WATERBAR/SLOPE BREAKER

TEMPORARY WATERBAR/SLOPE BREAKER

TRENCH BREAKER/PLUG

STREAM CROSSING

USFWS STREAM CROSSING
WITH ENHANCED CONTROLS

CONSTRUCTION ENTRANCE WITH DITCH

CULVERT/ WATERBAR

LOD

BSRF

COIR LOG

COMPOST FILTER SOCK

ORANGE SAFETY FENCE

ROADSIDE DITCH

SOIL TYPE

LIMIT OF DISTURBANCE

BELTED SILT RETENTION
FENCE (BSRF)

- NOTES:
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REVISIONS	
NO.	DATE
CHKD.	DWN.
APPVD.	
DESCRIPTION	

PROJECT NO./DASH NO.
140468

TASK NO. SUB TASK NO.
005 00

GROUP ID DRAWING NO.
D E116

116 OF 189

36" AP-2 PIPELINE
CONSTRUCTION ALIGNMENT STA 5648+00 TO 5657+11
JOHNSTON COUNTY, NORTH CAROLINA

ATLANTIC COAST PIPELINE, LLC
C/O DOMINION TRANSMISSION, INC.
925 WHITE OAKS BLVD., BRIDGEPORT, WV 26330

SCALE: AS SHOWN

DATE: 06/09/17

DRAWN: GPT

CHECKED: DLH

APPROVED: NET

gai consultants - NC, inc.

4198 COX ROAD
SUITE 114
GLEN ALLEN, VA 23060
804-270-9357
N.C. COL #F-0269