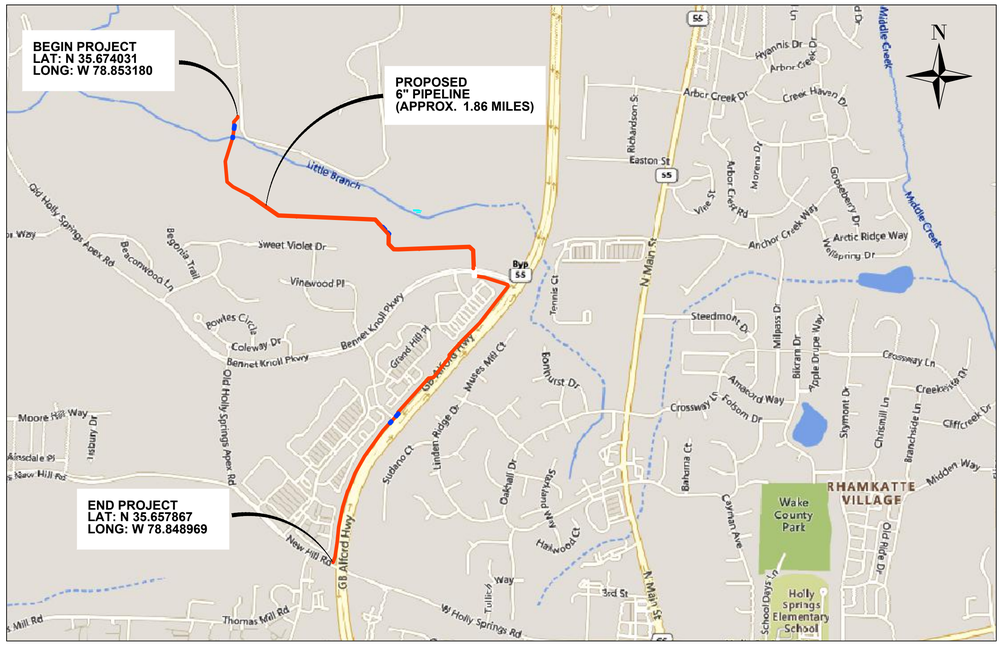
CONSTRUCTION PLANS
FOR
ARCHAEA ENERGY SOUTH WAKE LANDFILL RNG

6330 OLD SMITHFIELD RD
HOLLY SPRINGS NC, 27539
PROJECT#: P75169
M-086 PIPELINE



LOCATION MAP
SCALE: 1"=1000'

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ISSUE FOR PERMIT
REV H: 5/12/2025

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REV.	DESCRIPTION	DATE	DRWN BY	CHK BY
A	30% DESIGN	04/16/2024	JSB	RS
B	60% DESIGN	07/01/2024	JKS	RS
C	90% DESIGN	11/22/2024	JSB	RS
D	PERMIT SET	01/09/2025	JSB	RS
E	EPSC PERMIT SET	02/07/2025	JSB	JDS
F	EPSC COMMENTS	03/19/2025	JSB	RS
G	ISSUE FOR PERMIT	04/04/2025	JSB	RS
H	NCDOT COMMENTS	5/12/2025	JSB	RS

ENBRIDGE

ARCHAEA ENERGY SOUTH WAKE LANDFILL RNG

COVER SHEET & INDEX

DATE 4/16/2024
PROJECT ID#: P75169

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DRAFTED BY: JSB
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PROJECT NUMBER: 24-21-3001
PROJECT NAME: ARCHAEA ENERGY SOUTH WAKE LANDFILL RNG
PROJECT PHASE: ISSUE FOR PERMIT
DRAWING NUMBER: 1

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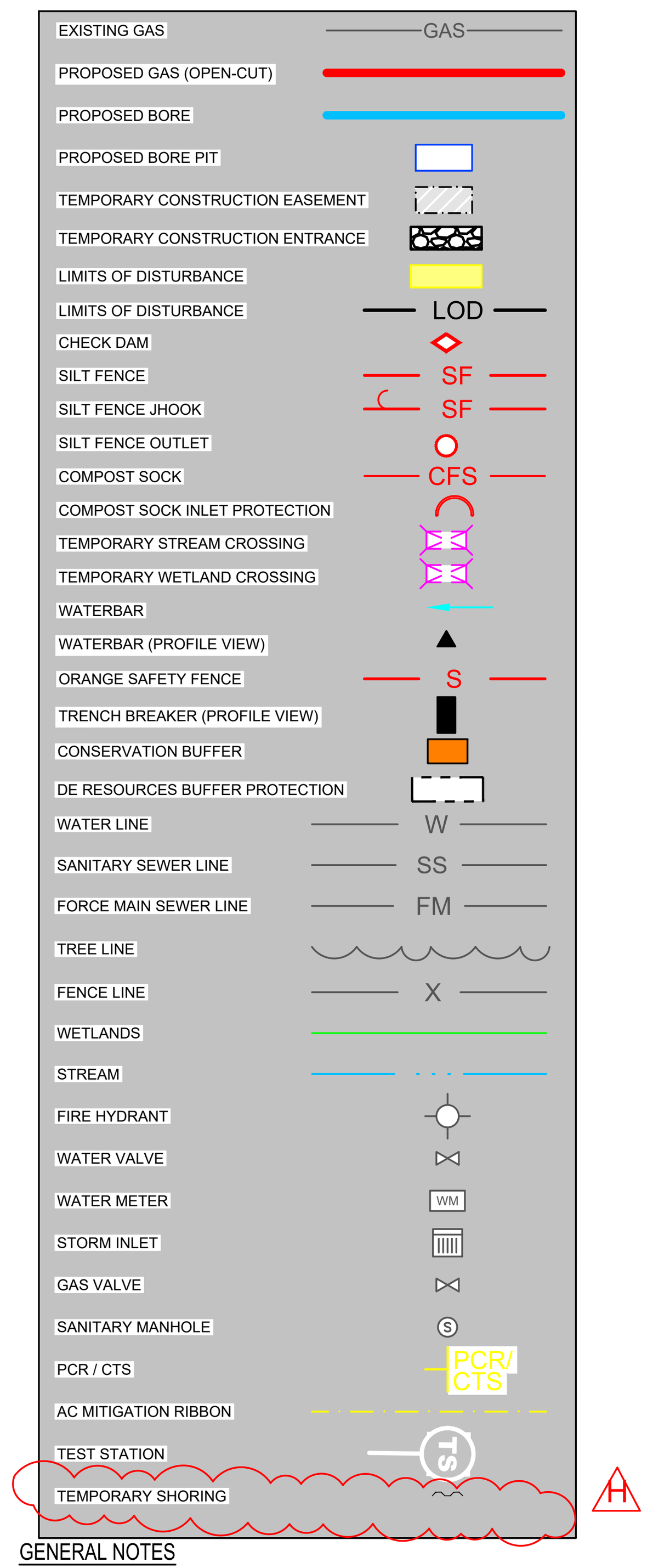
Layout Name: COVER SHEET & INDEX
Plotted: Monday, May 12, 2025 - 2:23 pm
By: jsmith

LEGEND



GENERAL NOTES

1. INSTALLER SHALL FURNISH ALL MATERIALS NOT PROVIDED BY THE COMPANY (UNLESS OTHERWISE NOTED ON DRAWINGS OR SPECIFICATIONS) INCLUDING EQUIPMENT TRANSPORTATION, SERVICES AND PERFORM ALL NECESSARY WORK AS SHOWN ON THE DRAWINGS AND SPECIFIED HEREINAFTER.
2. IT SHALL BE THE RESPONSIBILITY OF THE INSTALLER TO VERIFY ALL DIMENSIONS GIVEN ON THE DRAWINGS. ANY ITEM IN QUESTION SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT MANAGER PRIOR TO PROCEEDING WITH THE WORK.
3. INSTALLER SHALL BE RESPONSIBLE FOR PROTECTION OF ALL SURROUNDING AREAS.
4. ALL ABOVEGROUND PIPING TO BE BLASTED TO CORRECT SOCIETY FOR PROTECTIVE COATINGS (SSPC) SURFACE PROFILE.
5. UPON BACKFILLING IN AREAS OF ROCK, BURIED PIPE SHALL HAVE 6" OF SAND PAD FILL PLACED AROUND THE PIPE'S CIRCUMFERENCE.
6. PRESSURE TESTING SHALL MEET THE REQUIREMENTS OF ENBRIDGE'S PRESSURE TESTING STANDARD, PER PERTINENT ENBRIDGE DESIGN AND CONSTRUCTION STANDARDS.
7. INSTALLER SHALL DEWATER ALL HYDROSTATICALLY TESTED PIPING, USING CLEANING PIGS AS REQUIRED, AND DRY TO A DEWPOINT OF -40 °F.
8. MATERIALS THAT ARE TO BE TEMPORARILY STAGED OR STORED ONSITE SHALL BE WITHIN THE APPROVED LIMITS OF DISTURBANCE.
9. EQUIPMENT PARKED OVERNIGHT SHALL UTILIZE SECONDARY CONTAINMENT AS SHOWN ON THE DAILY EQUIPMENT PARKING SECONDARY CONTAINMENT DETAIL.
10. SECONDARY CONTAINMENT SHALL BE USED FOR PROPOSED HDD ENTRY LOCATIONS.
11. UTILIZE THE HDD PAD (UPLAND) SECONDARY CONTAINMENT DETAIL CONFIGURATION FOR PROPOSED HDD ENTRY LOCATIONS 100-FT. OR GREATER FROM A STREAM, SURFACE WATER, OR WETLAND BOUNDARY.
12. UTILIZE THE HDD PAD (WETLAND) SECONDARY CONTAINMENT DETAIL CONFIGURATION FOR PROPOSED HDD ENTRY LOCATIONS IN WETLANDS OR WITHIN 100-FT. OF A STREAM SURFACE WATER OR WETLAND BOUNDARY.
13. NO REFUELING PRACTICES SHALL OCCUR WITHIN 100-FT. OF A STREAM, SURFACE WATER OR WETLAND BOUNDARY.
14. SPILLS OF HAZARDOUS MATERIAL(S) SHALL BE REPORTED IMMEDIATELY TO THE OWNER'S DESIGNATED ENVIRONMENTAL REPRESENTATIVE.
15. BORROW OR WASTE MATERIAL REQUIRED OR GENERATED DURING GRADING OPERATIONS WILL REQUIRE AN APPROVED EROSION SEDIMENT CONTROL PERMIT FOR THE BORROW OR WASTE MATERIAL SITE PRIOR TO INITIATION OF ANY LAND DISTURBING ACTIVITY.

CONSTRUCTION NOTES

1. EXISTING OVERHEAD AND BELOW GROUND FACILITIES MAY BE IN THE WORK AREA VICINITY. INSTALLER IS RESPONSIBLE FOR HAVING SUCH FACILITIES LOCATED AND IS RESPONSIBLE FOR MAINTENANCE AND PRESERVATION OF THESE FACILITIES.
2. INSTALLER IS REQUIRED TO CALL 811 FOR UTILITY LOCATES A MINIMUM OF 72 HOURS PRIOR TO COMMENCEMENT OF WORK. NO EXTRA COMPENSATION WILL BE ALLOWED FOR DELAYS FROM ANY WORK PROVIDED BY OTHER UTILITIES.
3. IF EXISTING UTILITIES OF ANY TYPE ARE ENCOUNTERED IN THE FIELD AND DEEMED TO BE IN CONFLICT WITH INSTALLATION OF FACILITIES, INSTALLER SHALL NOTIFY THE PROJECT MANAGER IMMEDIATELY SO THE CONFLICT MAY BE RESOLVED.
4. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, INSTALLER SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR PRIVATE DRAINS OR SEWERS. RESTORATION OF THESE FACILITIES IS TO BE PERFORMED ONCE CONSTRUCTION IS COMPLETE AND ARE CONSIDERED INCIDENTAL COSTS OF THE PROJECT.
5. ALL DRAWING MEASUREMENTS ARE TO BE TAKEN FROM EXISTING GRADE. FINAL GRADE SHALL BE MATCHED TO SURROUNDING.
6. INSTALLER IS TO REMAIN WITHIN CONSTRUCTION WORKING LIMITS. ACCESS TO AREAS OUTSIDE WORKING LIMITS (LOD) MUST BE COORDINATED WITH THE OWNER OR ENBRIDGE PROJECT MANAGER. WORK OUTSIDE THE LOD REQUIRES PERMIT MODIFICATIONS. THE CONTRACTOR SHOULD NOT EVER CONTACT THE LAND OWNERS FOR ANY REASON. ANY DISTURBANCE OUTSIDE OF THE LOD REQUIRES AN AMENDMENT TO THE NCDEQ PERMIT.
7. ALL EXCESS EXCAVATION, CONSTRUCTION DEMOLITION DEBRIS AND UNSUITABLE MATERIALS THAT DO NOT CONTAIN ASBESTOS SHALL BE REMOVED FROM THE SITE AND PROPERLY DISPOSED.
8. STANDARD SPECIFICATIONS REFERENCED ON THIS SHEET AND CONSTRUCTION PLANS ARE CONSIDERED AS PART OF THE CONTRACT DOCUMENTS. INCIDENTAL ITEMS OR ACCESSORIES NECESSARY TO COMPLETE THIS WORK MAY NOT BE SPECIFICALLY NOTED, BUT ARE CONSIDERED TO BE A PART OF THIS CONTRACT.
9. BEFORE ACCEPTANCE BY THE OWNER AND FINAL PAYMENT, ALL WORK SHALL BE INSPECTED AND APPROVED BY ENBRIDGE OR COMPANY REPRESENTATIVE. FINAL PAYMENT SHALL BE MADE AFTER ALL OF THE INSTALLER'S WORK HAS BEEN ACCEPTED AND APPROVED AND IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
10. DURING CONSTRUCTION, ALL LOOSE MATERIAL THAT ARE DEPOSITED IN THE FLOW LINE OF GUTTERS, DRAINAGE STRUCTURES, DITCHES, ETC. SUCH THAT THE NATURAL FLOW LINE OF WATER IS OBSTRUCTED, SHALL BE REMOVED AT THE END OF EACH WORK DAY.
11. ALL FIELD TILE ENCOUNTERED DURING CONSTRUCTION SHALL BE EXTENDED TO OUTLET INTO AN EXISTING DRAINAGE WAY. A RECORD OF ALL FIELD TILE FOR ONSITE DRAIN PIPE ENCOUNTERED SHALL BE KEPT BY THE INSTALLER AND TURNED OVER TO THE PROJECT MANAGER UPON COMPLETION OF THE PROJECT.
12. INSTALLER IS REQUIRED TO MAINTAIN A SET OF ISSUED FOR CONSTRUCTION DRAWINGS AND ALL PERMITS AT THE JOB SITE. ANY MODIFICATIONS OR ALTERATIONS TO THE PLANS OR SPECIFICATIONS SHALL BE APPROVED BY THE PROJECT MANAGER.
13. INSTALLER IS SOLELY RESPONSIBLE FOR EXECUTION OF HIS/HER WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND SPECIFICATIONS. INSTALLER IS RESPONSIBLE FOR THE CONSTRUCTION METHODS AND TECHNIQUES, SEQUENCES, TIME OF PERFORMANCE ALL SAFETY PRECAUTIONS.
14. MINIMUM DEPTH OF BURIAL SHALL BE PER PERTINENT ENBRIDGE DESIGN AND CONSTRUCTION STANDARDS.
15. ALL PIPELINES BEING CROSSED ARE TO BE PROTECTED WITH A MINIMUM OF (3) 4 FEET X 18 FEET WOODEN MATS.

GENERAL NOTES CONT:

16. PER PERTINENT ENBRIDGE DESIGN AND CONSTRUCTION STANDARDS, FOR OPEN DITCH EXCAVATION, A MINIMUM OF TWO FEET OF SEPARATION SHALL BE MAINTAINED BETWEEN ALL CROSSING STRUCTURES. SEPARATION BETWEEN CROSSING STRUCTURES AND PIPELINES THAT ARE INSTALLED VIA DIRECTIONAL DRILLING METHODS IS AT THE DISCRETION OF ENGINEERING.
17. DURING BACKFILLING, A SIX INCH CROWN SHALL BE PLACED ON ALL DISTURBED AREAS. COMPACTION REQUIREMENTS SHALL BE PER PERTINENT ENBRIDGE DESIGN AND CONSTRUCTION STANDARDS.

CIVIL AND STRUCTURAL NOTES

1. ADDITIONAL EXCAVATIONS BELOW FOOTINGS MAY BE NECESSARY TO REACH UNDISTURBED SOIL. SHOULD THIS OCCUR, THE EXCAVATION SHALL BE BROUGHT TO THE BOTTOM OF THE FOOTING ELEVATION WITH COMPACTED SAND FILL MEETING THE REQUIREMENTS OF MODIFIED PROCTOR COMPACTION TEST (ASTM D1557) TO 95% IN SIX INCH LIFTS.
2. ALL EXPOSED CONCRETE EDGES SHALL HAVE A 3/4" X 3/4" 45° CHAMFER.
3. CONCRETE SHALL BE MIXED AND POURED PER PERTINENT ENBRIDGE DESIGN AND CONSTRUCTION STANDARDS. TESTING SHALL CONFORM TO ACI 318. INSTALLER TO SUPPLY ALL CONCRETE AND TESTING.
4. ALL STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 SPECIFICATION. STEEL REINFORCING BAR SHALL CONFORM TO ASTM A615 GRADE 60 AND WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185. TIE WIRE SHALL CONFORM TO ASTM A82.
5. UNSUITABLE OR EXCESS EARTH SPOIL SHALL BE DISPOSED OF AT AN APPROVED WASTE LOCATION. SOIL BEING TRANSPORTED ONTO THE JOB SITE SHALL BE APPROVED BY EITHER THE PROJECT MANAGER OR CONSTRUCTION MANAGER.
6. ROCKSHIELD OR SIMILAR COMPANY APPROVED PRODUCT MUST BE INSTALLED BETWEEN ALL PIPE AND FITTINGS THAT COME INTO CONTACT WITH CONCRETE. A LAYER OF NON ABRASIVE MATERIAL SUCH AS FRP SHALL BE INSTALLED BETWEEN ALL PIPE SUPPORTS AND PIPING.
7. ALL FIELD BENDING OF REBAR SHALL BE DONE COLD.

GENERAL EROSION AND SEDIMENT CONTROL MAINTENANCE NOTES:

THE FOLLOWING MAINTENANCE NOTES SHALL BE FOLLOWED UNTIL THE SITE IS STABILIZED AFTER CONSTRUCTION. DURING CONSTRUCTION, THE OWNER'S CONTRACTOR SHALL BE RESPONSIBLE FOR INSPECTION AND MAINTENANCE OF E&SC MEASURES:

1. THE RAIN GAUGE SHALL BE INSPECTED DAILY. E&SC MEASURES, STORMWATER DISCHARGE OUTFALLS (SDC'S), PERIMETER OF SITE, STREAMS OR WETLANDS ONSITE OR OFFSITE (WHERE ACCESSIBLE) SHALL BE INSPECTED AT LEAST ONCE PER SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF A RAIN EVENT GREATER THAN OR EQUAL TO 1.0-IN. IN 24 HOURS. GROUND STABILIZATION MEASURES SHALL BE INSPECTED AFTER EACH PHASE OF GRADING. REFER TO NCG01 NOTES PART III FOR ADDITIONAL INFORMATION.
2. THE OWNER'S CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF E&SC MEASURES.
3. E&SC MEASURES SHALL BE MAINTAINED UNTIL THE DISTURBED AREA ABOVE THE MEASURE HAS BEEN PERMANENTLY STABILIZED AND CONSTRUCTION ACTIVITY HAS CEASED.
4. DAMAGED OR INEFFECTIVE E&SC MEASURES SHALL BE REPAIRED OR REPLACED, AS NECESSARY, IMMEDIATELY.
5. TEMPORARY E&SC MEASURES MAY BE REMOVED WHEN THE DISTURBED AREA ABOVE THE MEASURE HAS BEEN PERMANENTLY STABILIZED, CONSTRUCTION ACTIVITY HAS CEASED, AND THE OWNER'S DESIGNATED ENVIRONMENTAL REPRESENTATIVE HAS AUTHORIZED THEIR REMOVAL.
6. THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAY FROM CONSTRUCTION AREAS. THE CONTRACTOR SHALL REMOVE MUD/SOIL FROM PAVEMENT DAILY, BY DRY SWEEPING METHODS ONLY.
7. DEWATERING OPERATIONS SHALL BE DISCHARGED THROUGH FILTER BAGS.
8. SEEDED AREAS SHALL BE FERTILIZED, RESEEDED AS NECESSARY, AND MULCHED ACCORDING TO THE SEEDING SPECIFICATIONS TO MAINTAIN A VIGOROUS, DENSE VEGETATIVE COVER.
9. SEEDED AREAS SHALL BE INSPECTED AT LEAST ONCE PER SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF A RAIN EVENT GREATER THAN OR EQUAL TO 1.0-IN. IN 24 HOURS BY OWNER'S DESIGNATED ENVIRONMENTAL REPRESENTATIVE UNTIL FINAL GROUND COVER HAS BEEN ESTABLISHED. THE CONTRACTOR IS RESPONSIBLE FOR RESTORING VEGETATION TO ITS ORIGINAL CONDITION, OR BETTER, FOR UP TO A YEAR.
10. INSTALLER IS TO CONSTRUCT ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES AT THE COMMENCEMENT OF THE PROJECT, PROVIDE MAINTENANCE AND ASSURE EFFECTIVENESS THROUGHOUT THE DURATION OF THE PROJECT.
11. CARE SHALL BE TAKEN TO MINIMIZE DOWNSTREAM SILTATION. RAW BANKS MAY BE SEEDED AND MULCHED TO PREVENT EROSION.
12. EXCEPT WITH A CASE-BY-CASE EGNC ENVIRONMENTAL REPRESENTATIVE APPROVAL, ALL SPOILS INCLUDING ORGANIC SOILS, VEGETATION AND DEBRIS SHALL BE REMOVED FROM THE SITE AND PROPERLY DISPOSED OF IN SUCH A MANNER AS TO NOT ERODE INTO ANY BODY OF WATER OR WETLAND.
13. SILT FENCING SHALL BE PLACED WHERE NECESSARY TO PREVENT SEDIMENT FROM LEAVING THE WORK AREA.
14. CATCH ALL INLET FILTERS ARE REQUIRED AT ALL SEWER INLETS, GRATES AND MANHOLES FOR SEDIMENT CONTROL.
15. TOPSOIL STOCKPILES SHALL BE LOCATED TO AVOID EROSION OF SAID STOCKPILE ONTO OFFSITE AREAS. TOPSOIL STOCKPILES SHALL BE SURROUNDED BY A SINGLE ROW OF SILT FENCE OR APPROVED EQUIVALENT EROSION CONTROL BMP. THE STOCKPILE SHALL BE TEMPORARILY STABILIZED USING SEED ON A STRAW MULCH. TOPSOIL PILES SHOULD ALSO HAVE ECDS INSTALLED AROUND THEM AND TEMPORARY STABILIZATION BY MEANS OF SEED AND STRAW MULCH.
16. ANY EXCESS SPOIL MATERIAL LEAVING THE SITE WILL BE TRANSPORTED TO THE LAYDOWN YARD NEARBY WHICH WAS PREVIOUSLY PERMITTED BY DEQ FOR TEMPORARY STORAGE. THE CONTRACTOR WILL BE RESPONSIBLE FOR INSTALLING MEASURES AS NECESSARY TO PREVENT TRACKING DIRT AND MUD ONTO PUBLIC ROADWAYS, AND ADDITIONAL EROSION CONTROL MEASURES TO PREVENT SEDIMENT FROM RUNNING OFF THE SITE ONTO ROADWAYS AND ADJACENT PROPERTIES.
17. ALL ENVIRONMENTAL MEASURES SHALL BE PER PERTINENT ENBRIDGE DESIGN AND CONSTRUCTION STANDARDS.

EROSION CONTROL DEVICE NOTES

1. SEDIMENT FILTER BAG SHOULD BE USED WHEN WATER IS BEING PUMPED FROM THE TRENCH.
2. ANY FAILURE OF ANY EROSION CONTROL DEVICE TO FUNCTION AS INTENDED FOR ANY REASON SHALL BE REPORTED TO THE DENC CONTACT IMMEDIATELY.
3. ADDITIONAL EROSION CONTROL DEVICES SHALL BE INSTALLED IMMEDIATELY AFTER GROUND DISTURBANCE OCCURS. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE FINAL PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION.

EROSION AND SEDIMENT CONTROL MEASURES AND DETAILS THE EROSION AND SEDIMENT CONTROL (E&SC) PLAN FOR THIS PROJECT INVOLVES THE PLACEMENT OF A VARIETY OF E&SC MEASURES, AT STRATEGIC LOCATIONS THROUGHOUT THE PROJECT. THESE LOCATIONS WERE DETERMINED FROM FIELD OBSERVATIONS. THESE E&SC MEASURES INCLUDE:

1 - SILT FENCE	9 - COMPOST FILTER SOCK
2- PERIMETER CONTROL OVERLAP	10 - PIPE INLET PROTECTION
3 - CHECK DAM	11 - WATTLE
4 - EROSION CONTROL BLANKET - CHANNEL	12 - TRENCH DEWATERING
5 - FILTER BAG	13 - TRENCHLESS INSTALLATION
6 - OPEN TRENCH WORKSPACE	14 - PAVEMENT CUT WORKSPACE
7 - ROADSIDE DITCH IMPACT	15 - WATERBAR
8 - SILT FENCE OUTLET	16 - J-HOOK

ADDITIONAL E&SC MEASURES MAY BE REQUIRED DURING CONSTRUCTION TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ACTUAL LOCATIONS OF E&SC MEASURES SHOULD BE ADJUSTED BASED ON CONDITIONS IN THE FIELD. LAND DISTURBANCE BEYOND THE LIMITS OF DISTURBANCE SHOWN ON THE PLAN VIEW DRAWINGS IS A VIOLATION OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT AND IS SUBJECT TO A FINE FROM THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY (NCDEQ).

CONSTRUCTION SEQUENCE:

1. OBTAIN APPROVAL OF E&SC PLAN FROM NCDEQ, RALEIGH REGIONAL OFFICE (RRO), DIVISION OF ENERGY, MINERAL, AND LAND RESOURCES (DEMLR).
2. SUBMIT ELECTRONIC NOTIFICATION OF INTENT (E-NOI) FORM AT
   EDOCS.DEQ.NC.GOV/FORMS/NCG01-NOI. MAIL ORIGINAL SIGNED NCG01 NOTICE OF INTENT (NOI) CERTIFICATION FORM TO:

DIVISION OF ENERGY, MINERAL & LAND RESOURCES STORMWATER PROGRAM
ATTN: DANNY SMITH
512 N. SALISBURY STREET, 6TH FLOOR
1612 MAIL SERVICE CENTER
6TH FLOOR (OFFICE 640K)
RALEIGH, NC 27699-1612

3. PROCESS ANNUAL STORMWATER FEE AND OBTAIN CERTIFICATE OF COVERAGE.
4. NOTIFY THE AFFECTED LANDOWNERS. AS APPLICABLE, PROVIDE NCDEQ WITH APPROVED ROADWAY ENCROACHMENT(S), EASEMENT AGREEMENT(S), AND TEMPORARY WORKSPACE AGREEMENT(S).
5. INSTALL ONE (1) JOB BOX AT THE PROJECT SITE. INSTALL THE JOB BOX IN AN AREA SO THAT CONTENTS ARE AVAILABLE FOR INSPECTION BY NCDEQ AT ALL TIMES DURING NORMAL BUSINESS HOURS.
6. THE JOB BOX SHALL DISPLAY OR CONTAIN THE NCG01 GENERAL PERMIT, E&SC PLAN APPROVAL LETTER, E&SC PLAN CERTIFICATE OF APPROVAL, APPROVED E&SC PLANS, CERTIFICATE OF COVERAGE, AND PREVIOUS 30 DAYS OF SELF INSPECTION RECORDS. USE OF ELECTRONICALLY-AVAILABLE RECORDS IN PLACE OF REQUIRED PAPER COPIES IS ALLOWED IF SHOWN TO PROVIDE EQUAL ACCESS AND UTILITY AS THE HARD-COPY RECORDS. REFER TO NCG01 NOTES PART III FOR ADDITIONAL INFORMATION.
7. INSTALL ONE (1) RAIN GAUGE AT THE PROJECT SITE.
8. CONTACT THE APPROPRIATE NCDEQ, (RRO), DEMLR - E&SC INSPECTOR (919-791-4200) REGARDING THE SCHEDULING OF A PRE-CONSTRUCTION MEETING.
9. HOLD PRE-CONSTRUCTION MEETING
10. FLAG CONSTRUCTION LIMITS
11. INSTALL CONSTRUCTION ENTRANCE, TREE PROTECTION FENCE, SILT FENCE AND SILT FENCE OUTLETS PRIOR TO ANY LAND DISTURBING ACTIVITIES (INCLUDING ANY TREE CLEARING AND DEMOLITION). CLEAR ONLY AS NECESSARY TO INSTALL THESE DEVICES AS SPECIFIED ON THE APPROVED PLAN SHEET. INSTALL ALL OTHER EROSION CONTROL MEASURES AS REQUIRED BY NCDEQ INCLUDING SEDIMENT BASINS, BARRIERS, AND DIVERSION DITCHES AS NEEDED. CLEAR ONLY AS NECESSARY TO INSTALL THESE DEVICES. INSTALL DITCH LINERS AND TEMPORARY CULVERT PIPE AS NOTED ON PLANS. SEED TEMPORARY DIVERSIONS, BERMS, AND BASINS IMMEDIATELY AFTER INSTALLATION. INSTALL COIR WATTLES OR CHECK DAMS IN TEMPORARY DIVERSIONS.
12. REPLACE OR INSTALL REMAINING EROSION CONTROL MEASURES.
13. BEGIN INSTALLING PIPE.
14. COMPLETED AREA SHOULD BE STABILIZED WITHIN THE TIMEFRAME IN THE CHART ON THIS SHEET.
15. ALL EROSION AND SEDIMENT CONTROL PRACTICES SHOULD BE INSPECTED WEEKLY AND AFTER RAINFALL EVENTS 1.0" OR GREATER. NEEDED REPAIRS WILL BE MADE IMMEDIATELY.
16. ALL DISTURBED AREA SHALL BE STABILIZED WITH SEED AND STRAW, HYDROSEEDING, OR SOD.
17. AFTER SITE IS STABILIZED, REMOVE ALL TEMPORARY MEASURES AND INSTALL PERMANENT VEGETATION ON THE DISTURBED AREAS.
18. UPON ESTABLISHMENT OF PERMANENT VEGETATION OWNER'S DESIGNATED ENVIRONMENTAL REPRESENTATIVE TO INSPECT PROJECT.
19. OWNER TO MAKE DETERMINATION OF WHEN THE E&SC MEASURES MAY BE REMOVED.

ABBREVIATONS

AC	ALTERNATING CURRENT
ADD.	ADDITIONAL
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
API	AMERICAN PETROLEUM INSTITUTE
APPROX.	APPROXIMATE
ASA	AMERICAN STANDARDS ASSOCIATION
BB	BOLTED BODY
BL	BLIND
BLDG	BUILDING
CFB	COATING FUSION BONDED
CL	CENTERLINE
CMP	CORRUGATED METAL PIPE
COMM	COMMUNICATION
CONST	CONSTRUCTION
CP	CATHODIC PROTECTION
DB	DEED BOOK
ENBRIDGE	ENBRIDGE GAS NORTH CAROLINA
DIA	DIAMETER
DIST	DISTANCE
DRL	DOUBLE RANDOM LENGTH
DWG	DRAWING
E	EASTING
ELL	ELBOW
E.O.P	EDGE OF PAVEMENT
EPSC	EROSION PROTECTION & SEDIMENT CONTROL
ERW	ELECTRIC RESISTANCE WELDED
ESMT	EASEMENT
EX.	EXISTING
EXT	EXTENSION
FBE	FUSION BONDED EPOXY
FIG	FIGURE
FPT	FULL PORT
FRP	FIBERGLASS REINFORCED PLASTIC
FT.	FOOT/FEET
FTG	FITTING
FXF	FLANGE BY FLANGE
GEOTECH	GEOTECHNICAL
HDD	HORIZONTAL DIRECTIONAL DRILL
H,HORIZ.	HORIZONTAL
HWY	HIGHWAY
IN.	INCH/INCHES
LBF	POUNDS OF FORCE
LF	LINEAR FEET
LVR	LEVER
M&R	METERING AND REGULATING
MAX.	MAXIMUM
MAOP	MAXIMUM ALLOWABLE OPERATING PRESSURE
MWP	MAXIMUM WORKING PRESSURE
MILS	THOUSANDTHS OF AN INCH
MIN.	MINIMUM
M.O.T.	MAINTENANCE OF TRAFFIC
N	NORTHING
N/A	NOT APPLICABLE
NAD 83	NORTH AMERICAN DATUM OF 1983
NAVD 88	NORTH AMERICAN VERTICAL DATUM OF 1988
NC	NORTH CAROLINA
NCDOT	NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
N/F	NOW OR FORMERLY
NO.	NUMBER
NTS	NOT TO SCALE
O.C.	ON CENTER
OD	OUTSIDE DIAMETER
OSHA	OCCUPATIONAL HEALTH AND SAFETY ADMINISTRATION
PC	POINT OF CURVATURE
PE	POLYETHYLENE
PG	PAGE
PI	POINT OF INFLECTION
P&ID	PIPING & INSTRUMENTATION DIAGRAM
PROP.	PROPOSED
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
PT	POINT OF TANGENCY
PVC	POINT OF VERTICAL CURVATURE
PVT	POINT OF VERTICAL TANGENCY
QTY	QUANTITY
Rc	RADIUS OF CURVATURE
RCP	REINFORCED CONCRETE PIPE
RD	ROAD
RF	RAISED FACE
RFWN	RAISED FACE WELD NECK
RMU	REMOTE MONITORING UNIT
R/W	RIGHT-OF-WAY
S.R., SR	STATE ROUTE STATION
STD	STANDARD
SUE	SUBSURFACE UTILITY ENGINEERING
TBS	TOWN BORDER STATION
TCE	TEMPORARY CONSTRUCTION EASEMENT
TCE	TEMPORARY CONSTRUCTION ENTRANCE
TEMP	TEMPORARY
THK	THICK
TI	TIE-IN
TW	TEMPERATURE WELL
TS	TEST STATION
TYP.	TYPICAL
V,VERT.	VERTICAL
W/	WITH
WLD	WELD
WT	WALL THICKNESS
WXF	WELD BY FLANGE
WXW	WELD BY WELD

811 Know what's below. Call before you dig.

CALL 72 HOURS BEFORE YOU DIG

ENERGY LAND & INFRASTRUCTURE PLLC
500 GREGSON DRIVE, CARY NC 27511
NC LICENSE NO. P-1289

Energy Land & Infrastructure

REV.	DESCRIPTION	DATE	DRWN BY	CHK BY
A	30% DESIGN	04/16/2024	JSB	RS
B	60% DESIGN	07/01/2024	JKS	RS
C	90% DESIGN	11/22/2024	JSB	RS
D	PERMIT SET	01/09/2025	JSB	RS
E	EPSC PERMIT SET	02/07/2025	JSB	JDS
F	EPSC COMMENTS	03/19/2025	JSB	RS
G	ISSUE FOR PERMIT	04/04/2025	JSB	RS
H	NCDOT COMMENTS	5/12/2025	JSB	RS

ENBRIDGE

ARCHAEA ENERGY
SOUTH WAKE LANDFILL
RNG

GENERAL NOTES
ABBREV. & LEGEND

DATE:04/16/2024
PROJECT ID#:P75169
ELI PROJECT #:24-21-3001
DRAFTED BY: JSB
CHECKED BY: RS

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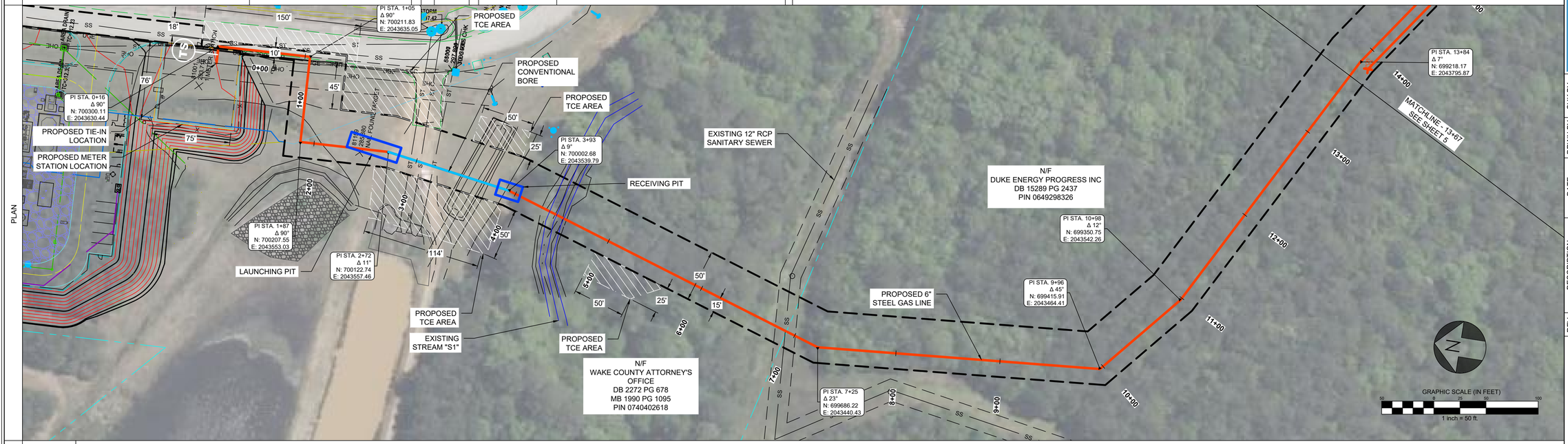
Filename: W:\24-21-3001 P75169 SOUTH WAKE LANDFILL RNG_DENC\3_CAD\Production\GENERAL NOTES & ABBREVIATIONS.dwg
Layout Name: GENERAL NOTES ABBREV. & LEGEND
Plotted: Monday, May 12, 2025 — 2:23 pm
By: johnb

COUNTY, STATE: WAKE COUNTY, NORTH CAROLINA

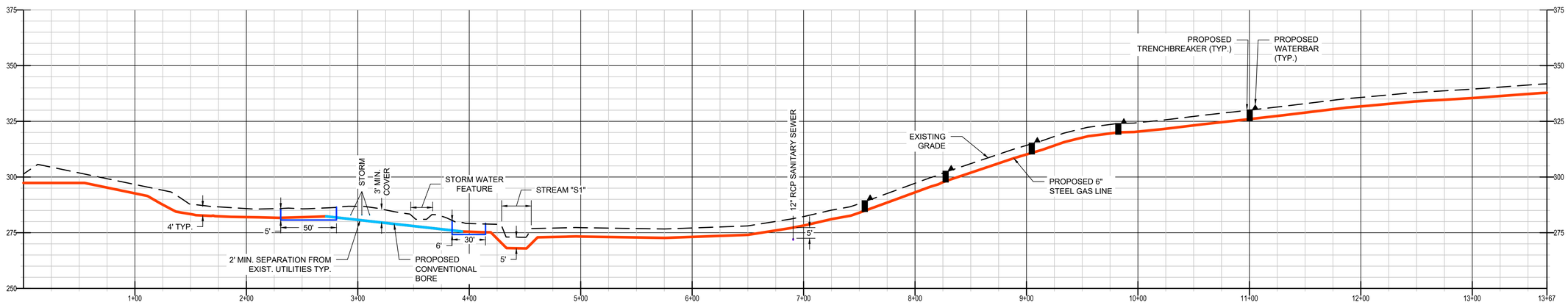
OWNER, FOOTAGE: WAKE COUNTY ATTORNEY'S OFFICE | DUKE ENERGY PROGRESS INC

STATIONING: TS STA. 0+41 | STORM STA. 2+93 | STORM STA. 3+03 | STORM STA. 3+17 | STORM STA. 3+52 | STORM STA. 3+62 | CREEK STA. 4+44 | SS STA. 6+90 | PL STA. 6+96

PLAN



PROFILE



MATERIAL SUMMARY

REV.	DESCRIPTION	DATE	DRWN BY	CHK BY
A	30% DESIGN	04/16/2024	JSB	RS
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C	90% DESIGN	11/22/2024	JSB	RS
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E	EPSC PERMIT SET	02/07/2025	JSB	JDS
F	EPSC COMMENTS	03/19/2025	JSB	RS
G	ISSUE FOR PERMIT	04/04/2025	JSB	RS

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 023464 JAMES KEITH GALT

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ALIGNMENT PLAN & PROFILE-1

DATE:06/13/2024
PROJECT ID#:P75169

ELI PROJECT #:24-21-3001
DRAFTED BY: JSB
CHECKED BY: RS

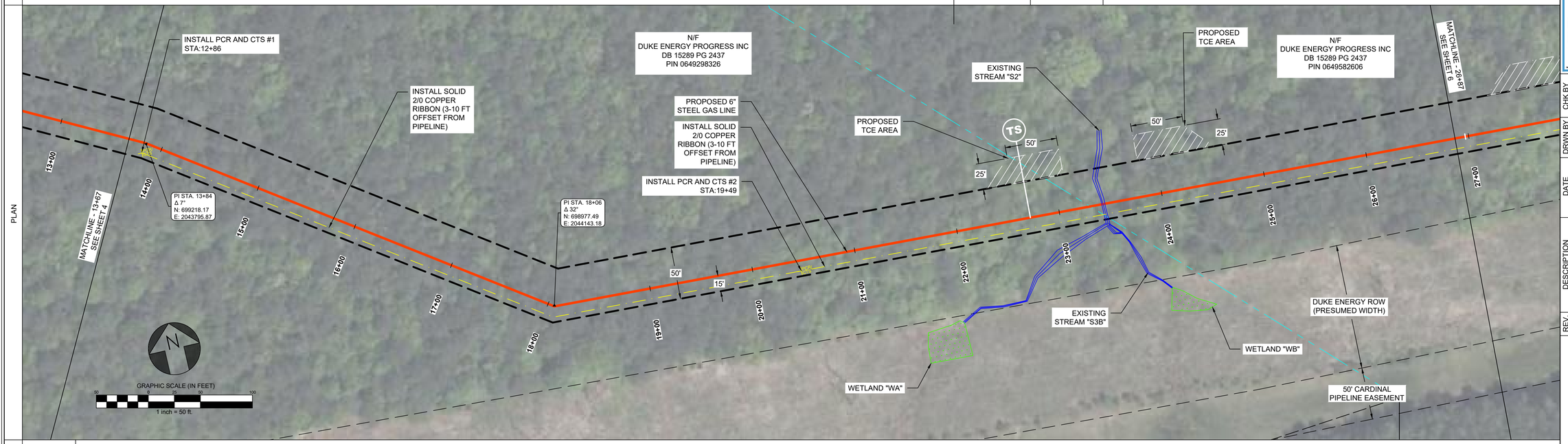
Filename: W:\24-21-3001 P75169 SOUTH WAKE LANDFILL RNG_DENC\3_CAD\Production\ALIGNMENT PLAN & PROFILE-1.dwg
Layout Name: ALIGNMENT PLAN & PROFILE-1
Plotted: Friday, July 18, 2025 - 5:10 pm
By: johnb

COUNTY, STATE: WAKE COUNTY, NORTH CAROLINA

OWNER, FOOTAGE: DUKE ENERGY PROGRESS INC

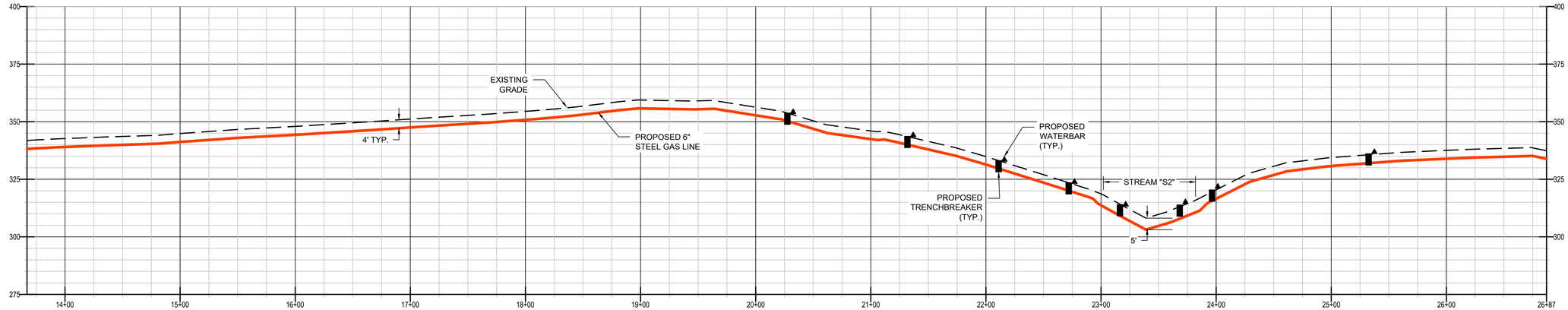
STATIONING

PLAN



PROFILE

VERTICAL SCALE: 1" = 25' (0', 25', 50')
HORIZONTAL SCALE: 1" = 50' (0', 50', 100')



MATERIAL SUMMARY:

REV.	DESCRIPTION	DATE	DRWN BY	CHK BY
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F	EPSC COMMENTS	03/19/2025	JSB	RS
G	ISSUE FOR PERMIT	04/04/2025	JSB	RS

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 023464 JAMES KEITH GALT

ENERGY LAND & INFRASTRUCTURE PLLC
500 GREGSON DRIVE, CARY NC 27511
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NC P-1289 SC 3295

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SOUTH WAKE LANDFILL
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ALIGNMENT PLAN & PROFILE-2

DATE:06/13/2024
PROJECT ID#:P75169

ELI PROJECT #:24-21-3001
DRAFTED BY: JSB
CHECKED BY: RS

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38

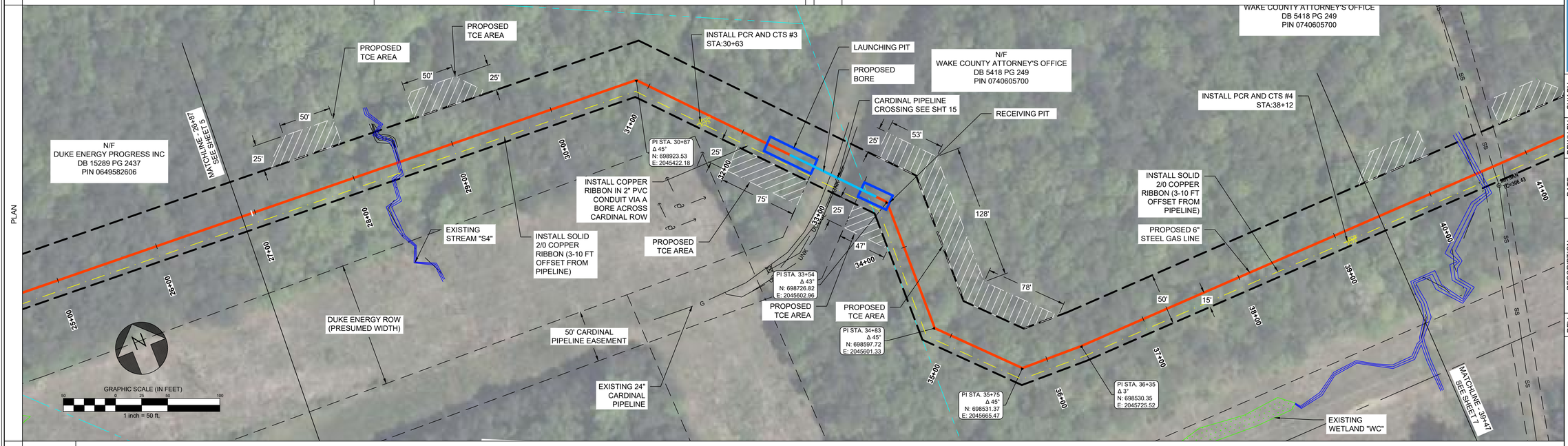
Filename: W:\24-21-3001 P75169 SOUTH WAKE LANDFILL RNG_DENC\3_CAD\Production\ALIGNMENT PLAN & PROFILE-2.dwg
Layout Name: ALIGNMENT PLAN & PROFILE-2
Plotted: Friday, July 18, 2025 - 5:10 pm
By: johnb

COUNTY, STATE: WAKE COUNTY, NORTH CAROLINA

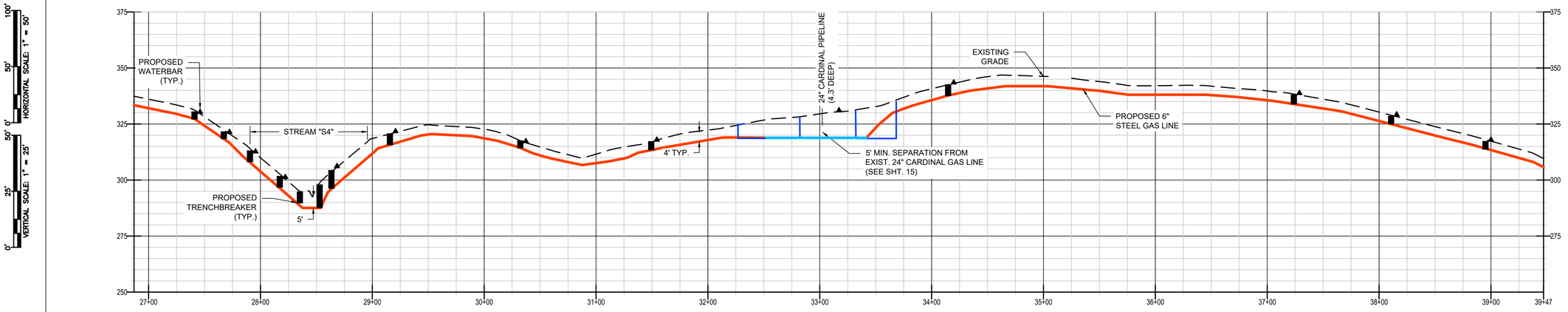
OWNER, FOOTAGE: DUKE ENERGY PROGRESS INC | CARDINAL PIPELINE EASEMENT | WAKE COUNTY ATTORNEY'S OFFICE

STATIONING: CREEK STA. 28+46 | G&S STA. 33+07 | UGE STA. 33+03 | PL STA. 33+32

PLAN



PROFILE



MATERIAL SUMMARY:

REV.	DESCRIPTION	DATE	DRWN BY	CHK BY
A	30% DESIGN	04/16/2024	JSB	RS
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E	EPSC PERMIT SET	02/07/2025	JSB	JDS
F	EPSC COMMENTS	03/19/2025	JSB	RS
G	ISSUE FOR PERMIT	04/04/2025	JSB	RS

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 023464 JAMES KEITH GALT
ENERGY LAND & INFRASTRUCTURE PLLC
500 GREGSON DRIVE, CARY NC 27511
NC LICENSE NO. P-1289

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RNG

ALIGNMENT PLAN & PROFILE-3

DATE:06/13/2024
PROJECT ID#:P75169

ELI PROJECT #:24-21-3001
DRAFTED BY: JSB
CHECKED BY: RS

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38

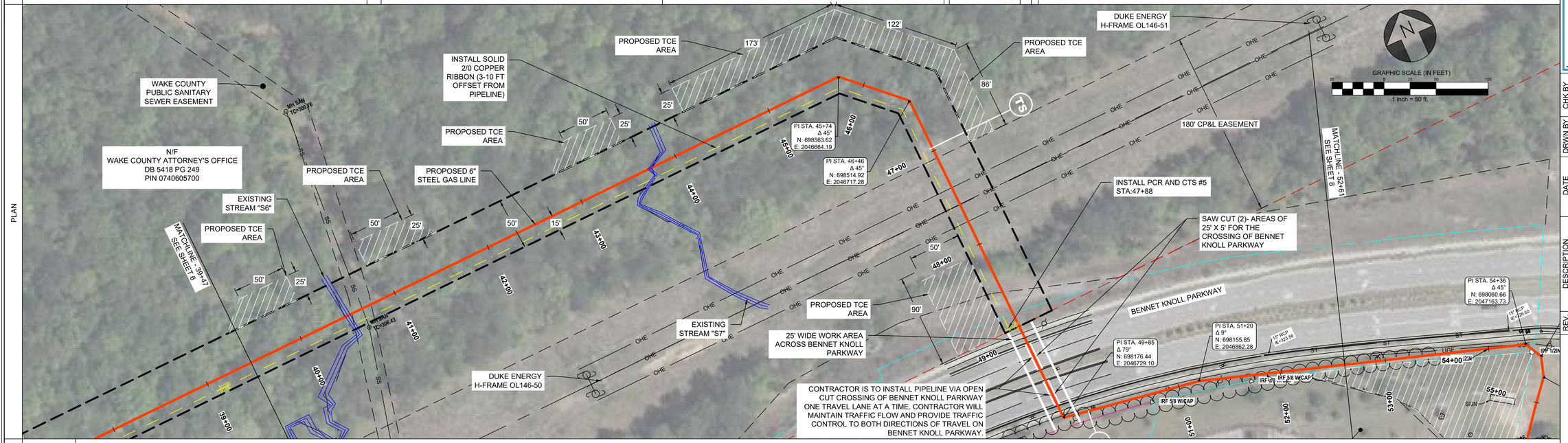
Filename: W:\24-21-3001 P75169 SOUTH WAKE LANDFILL RNG_DENC\3_CAD\Production\ALIGNMENT PLAN & PROFILE-3.dwg
Layout Name: ALIGNMENT PLAN & PROFILE-3
Plotted: Friday, July 18, 2025 - 3:10 pm
By: johnb

COUNTY, STATE: WAKE COUNTY, NORTH CAROLINA

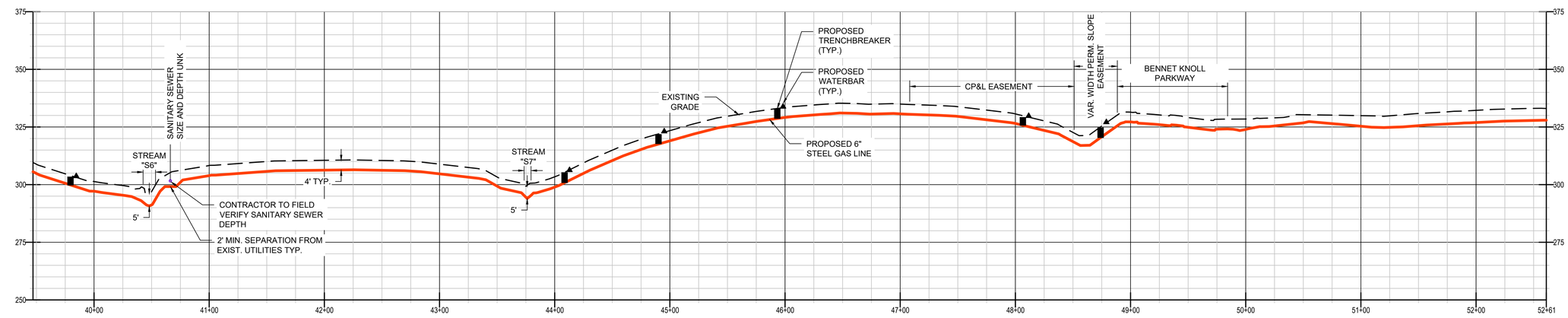
OWNER, FOOTAGE: WAKE COUNTY ATTORNEY'S OFFICE | WAKE COUNTY PUBLIC SANITARY SEWER EASEMENT | WAKE COUNTY ATTORNEY'S OFFICE | CP&L EASEMENT | VAR. WIDTH PERM. SLOPE ESMT. | BENNETT KNOLL PARKWAY ROW (TOWN OF HOLLY SPRINGS) | NCDOT ROW

STATIONING: CREEK STA. 40+50 | SS STA. 40+66 | CREEK STA. 43+73 | TS STA. 46+97 / ROW STA. 47+08 | ROW STA. 48+51 | ROW STA. 48+74 | ROW STA. 48+88

PLAN



PROFILE



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E	EPSC PERMIT SET	02/07/2025	JSB	JDS
F	EPSC COMMENTS	03/19/2025	JSB	RS
G	ISSUE FOR PERMIT	04/04/2025	JSB	RS

SEAL 023464 — NORTH CAROLINA PROFESSIONAL ENGINEER — JAMES KEITH GALT

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ALIGNMENT PLAN & PROFILE-4

DATE:06/13/2024
PROJECT ID#:P75169

ELI PROJECT #:24-21-3001
DRAFTED BY: JSB
CHECKED BY: RS

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38

Filename: W:\24-21-3001 P75169 SOUTH WAKE LANDFILL RNG_DENC\3_CAD\Production\ALIGNMENT PLAN & PROFILE-4.dwg
Layout Name: ALIGNMENT PLAN & PROFILE-4
Plotted: Friday, July 18, 2025 - 5:10 pm
By: jmnb

NORTH CAROLINA PROFESSIONAL ENGINEER WILLIAM KEITH GALT
SEAL 023464
ENERGY LAND & INFRASTRUCTURE PLLC
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NC LICENSE NO. P-1289

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REV.	DESCRIPTION	DATE	DRWN BY	CHK BY
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E	EPSC PERMIT SET	02/07/2025	JSB	JDS
F	EPSC COMMENTS	03/19/2025	JSB	RS
G	ISSUE FOR BID	04/04/2025	JSB	RS

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CONSTRUCTION ACCESS ROADS

DATE:06/12/2024
PROJECT ID#:P75169

ELI PROJECT #:24-21-3001
DRAFTED BY: JSB
CHECKED BY: RS

Filename: W:\24-21-3001 P75169 SOUTH WAKE LANDFILL RNG_DENC\3_CAD\Production\CONSTRUCTION ACCESS ROADS.dwg
Layout Name: CONSTRUCTION ACCESS ROADS
Plotted: Friday, April 04, 2025 - 12:36 pm
By: jphnb