

TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC
POST-CONSTRUCTION STORMWATER MANAGEMENT /
WATER QUANTITY LAND COVER

SOUTHEAST SUPPLY ENHANCEMENT PROJECT
EDEN LOOP

PITTSYLVANIA COUNTY, VIRGINIA

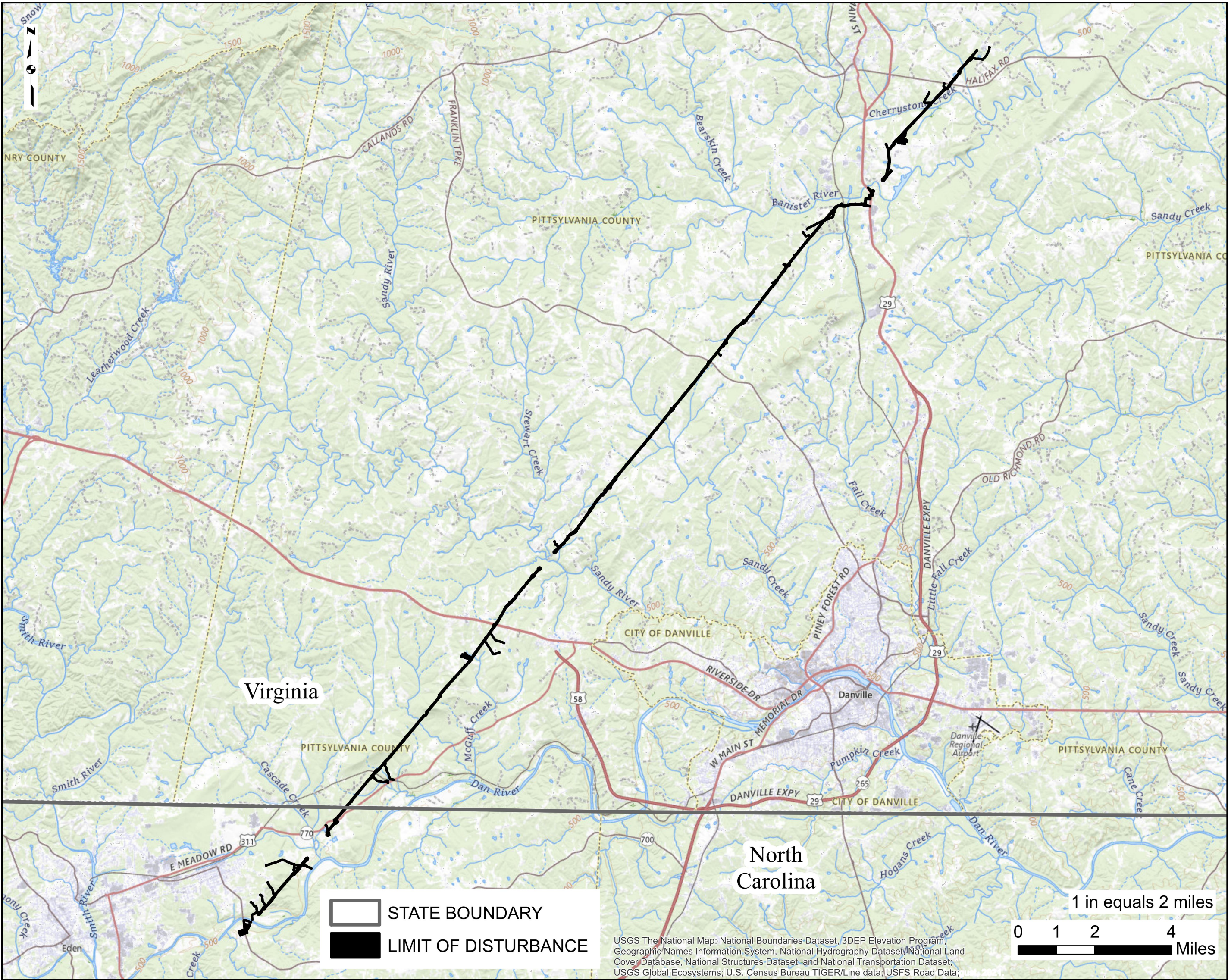
JUNE 2025

PROJECT OWNER/APPLICANT

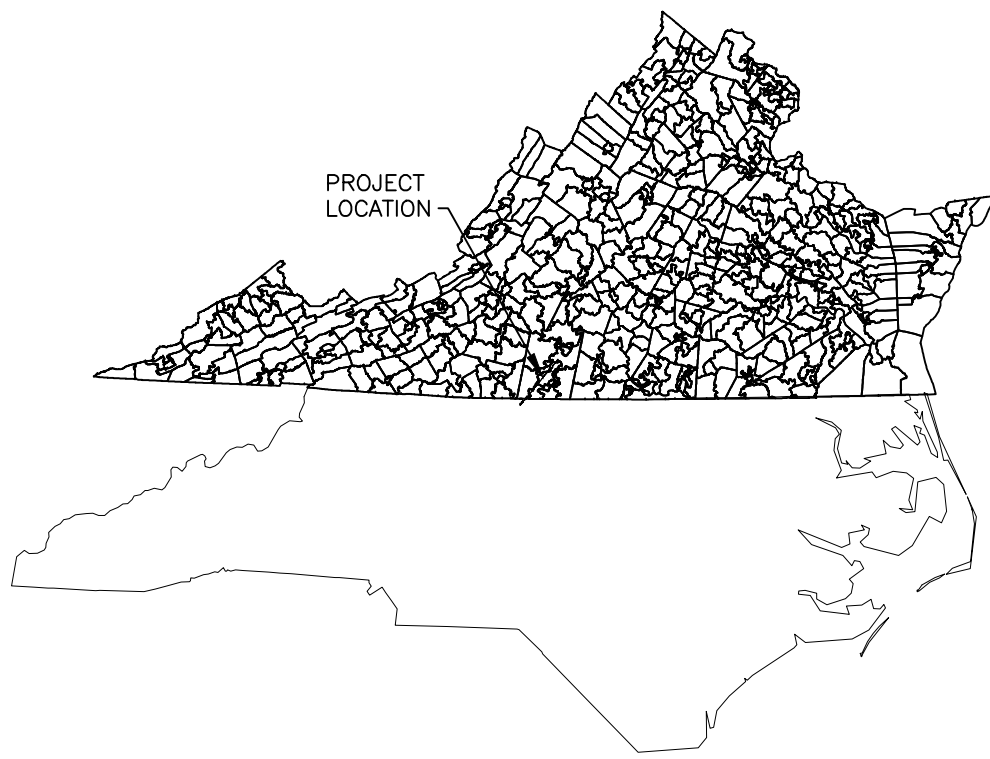
TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC
2800 POST OAK BLVD, LEVEL 11
HOUSTON, TX 77056
CONTACT: JOSEPH DEAN, MANAGER PERMITTING

PLAN PREPARER / ENGINEER

GAI CONSULTANTS, INC.
4701 COX ROAD, SUITE 125
GLEN ALLEN, VA 23060
PH: (804) 270-9357
CONTACT: R. CRAIG MURPHY, P.E.



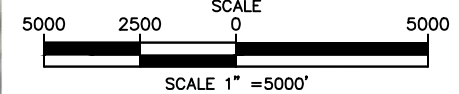
LOCATION MAP




VICINITY MAP
N.T.S.

SHEET INDEX	
SHEET NUMBER	DRAWING TITLE
1 OF 66	POST-CONSTRUCTION STORMWATER MANAGEMENT / WATER QUANTITY LAND COVER - COVER SHEET
2 OF 66	POST-CONSTRUCTION STORMWATER MANAGEMENT / WATER QUANTITY LAND COVER - INDEX SHEET
3 - 63 OF 66	POST-CONSTRUCTION STORMWATER MANAGEMENT / WATER QUANTITY LAND COVER - SITE PLANS
64 - 66	POST-CONSTRUCTION STORMWATER MANAGEMENT / WATER QUANTITY LAND COVER - DETAILS

<div><div><div>R. CRAIG MURPHY, P.E.</div><div></div><div>RICHARD C. MURPHY Lic. No. 041898 06/09/25 PROFESSIONAL ENGINEER</div></div></div>	REVISIONS				W.O. NO.	CHK.	APP.	TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC SOUTHEAST SUPPLY ENHANCEMENT PROJECT EDEN LOOP POST CONSTRUCTION STORMWATER MANAGEMENT / WATER QUANTITY LAND COVER			
	NO.	DATE	BY	DESCRIPTION				COVER SHEET			
								PITTSYLVANIA COUNTY, VIRGINIA			
	DRAWN BY: CMK		DATE: 5-30-25	ISSUED FOR BID:				SCALE: AS NOTED			
	CHECKED BY: JML		DATE: 5-30-25	ISSUED FOR CONSTRUCTION:				REVISION:			
APPROVED BY: RCM		DATE: 5-30-25					DRAWING NUMBER: VA-EDEN-SMQUAN-001		SHEET 1 OF 66		



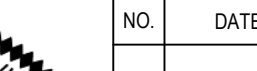
LEGEND	
	STATE LINE
	INDEX SHEET
	LIMIT OF DISTURBANCE
	WATERSHED BOUNDARIES

1. EXISTING CONTOURS PROVIDED BY TRANSCO FEBRUARY 19, 2024.
2. AERIAL IMAGERY PROVIDED BY TRANSCO FEBRUARY 13, 2024.
3. HORIZONTAL DATUM BASED ON VIRGINIA STATE PLANE, SOUTH FEET, NAD83.
4. VERTICAL DATUM BASED ON NORTH AMERICAN DATUM OF 1988, NAVD88.
5. ENVIRONMENTAL DELINEATIONS PERFORMED BY WETLAND STUDIES AND SOLUTIONS, INC. 2024-2025.
6. WHERE TREE LINES WERE NOT PICKED UP BY SURVEY, TREE LINE BOUNDARIES WERE SKETCHED IN USING AERIAL IMAGERY.

1. EXISTING LAND USE WAS DERIVED FROM FLOWN AERIAL IMAGERY, SURVEYED TREE LINES, AND NLCD LAND COVER DATA, DATED 2023. IF AT THE TIME OF CONSTRUCTION EXISTING LAND COVER DIFFERS FROM WHAT IS SHOWN ON THE PLAN, CONTRACTOR SHALL CONFER WITH TRANSCO PERSONNEL ON SITE TO DETERMINE PROPER POST-CONSTRUCTION LAND COVER.

2. PRE-CONSTRUCTION AND POST-CONSTRUCTION LAND COVER IN STREAM AND WETLAND AREAS IS SHOWN FOR WATER QUANTITY AND WATER QUALITY CALCULATION PURPOSES ONLY. CONTRACTOR SHALL REFER TO THE WETLAND RESTORATION PLANS TO ENSURE PROPER RESTORATION OF WETLANDS.

R. CRAIG MURPHY, P.E.



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INDEX SHEET

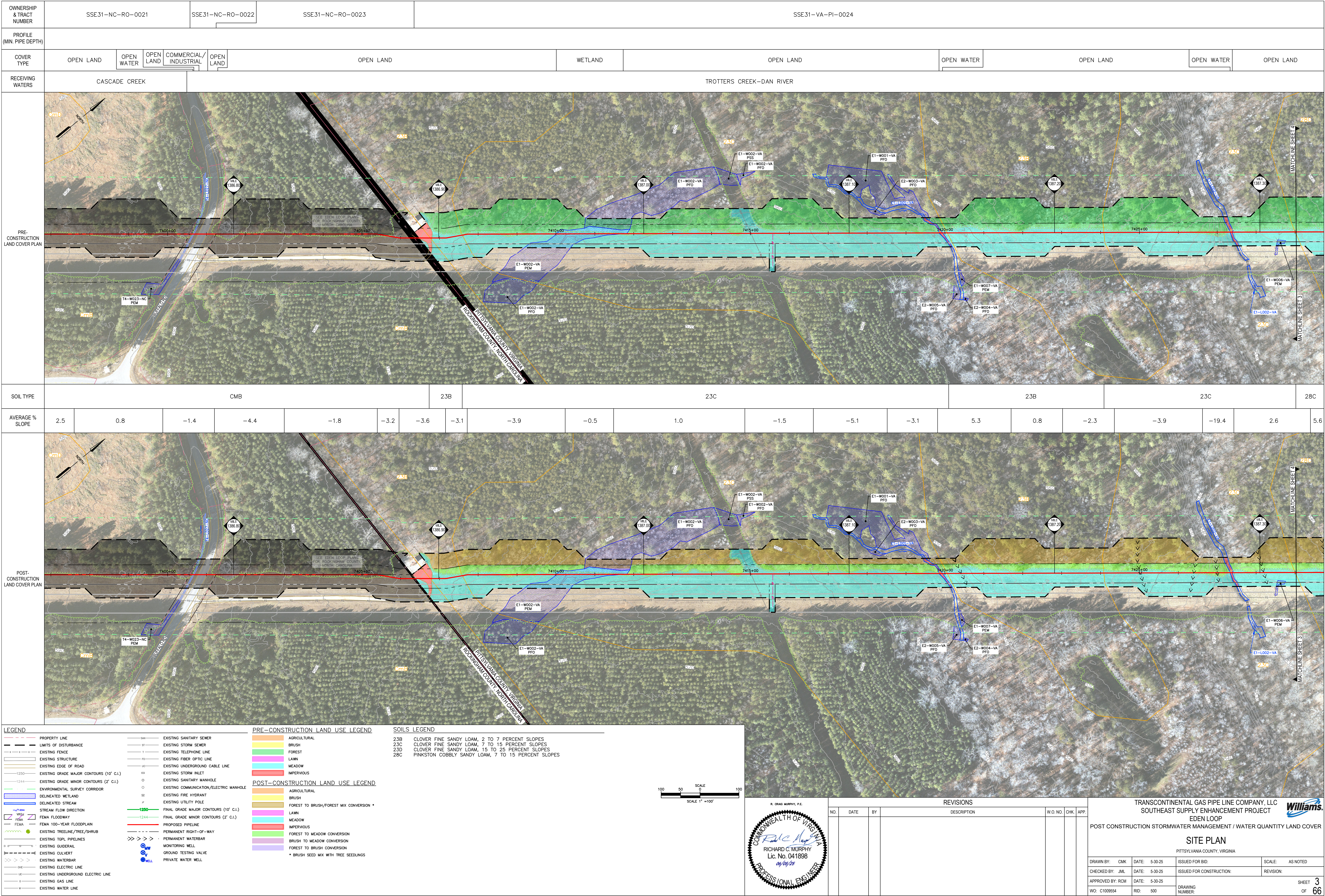
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DRAWING NUMBER: VA-EDEN-SMQUAN-002

SHEET 2 OF 66



LEGEND

PROPERTY LINE

LIMITS OF DISTURBANCE

EXISTING FENCE

EXISTING STRUCTURE

EXISTING EDGE OF ROAD

EXISTING GRADE MAJOR CONTOURS (10' C.I.)

EXISTING GRADE MINOR CONTOURS (2' C.I.)

ENVIRONMENTAL SURVEY CORRIDOR

DELINEATED WETLAND

DELINEATED STREAM

STREAM FLOW DIRECTION

FEMA FLOODWAY

FEMA 100-YEAR FLOODPLAIN

EXISTING TREELINE/TREE/SHRUB

EXISTING TGPL PIPELINES

EXISTING GUIDERAIL

EXISTING CULVERT

EXISTING WATERBAR

EXISTING ELECTRIC LINE

EXISTING UNDERGROUND ELECTRIC LINE

EXISTING GAS LINE

EXISTING WATER LINE

EXISTING SANITARY SEWER

EXISTING STORM SEWER

EXISTING TELEPHONE LINE

EXISTING FIBER OPTIC LINE

EXISTING UNDERGROUND CABLE LINE

EXISTING STORM INLET

EXISTING SANITARY MANHOLE

EXISTING COMMUNICATION/ELECTRIC MANHOLE

EXISTING FIRE HYDRANT

EXISTING UTILITY POLE

FINAL GRADE MAJOR CONTOURS (10' C.I.)

FINAL GRADE MINOR CONTOURS (2' C.I.)

PROPOSED PIPELINE

PERMANENT RIGHT-OF-WAY

PERMANENT WATERBAR

MONITORING WELL

GROUND TESTING VALVE

PRIVATE WATER WELL

AGRICULTURAL

BRUSH

FOREST

LAWN

MEADOW

IMPERVIOUS

AGRICULTURAL

BRUSH

FOREST TO BRUSH/FOREST MIX CONVERSION *

LAWN

MEADOW

IMPERVIOUS

FOREST TO MEADOW CONVERSION

BRUSH TO MEADOW CONVERSION

FOREST TO BRUSH CONVERSION

* BRUSH SEED MIX WITH TREE SEEDLINGS

23B CLOVER FINE SANDY LOAM, 2 TO 7 PERCENT SLOPES

23C CLOVER FINE SANDY LOAM, 7 TO 15 PERCENT SLOPES

23D CLOVER FINE SANDY LOAM, 15 TO 25 PERCENT SLOPES

28C PINKSTON COBBLY SANDY LOAM, 7 TO 15 PERCENT SLOPES

SCALE 1" = 100'

SCALE 0 50 100

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SITE PLAN

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SHEET 3 OF 66

R. CRAIG MURPHY, P.E.

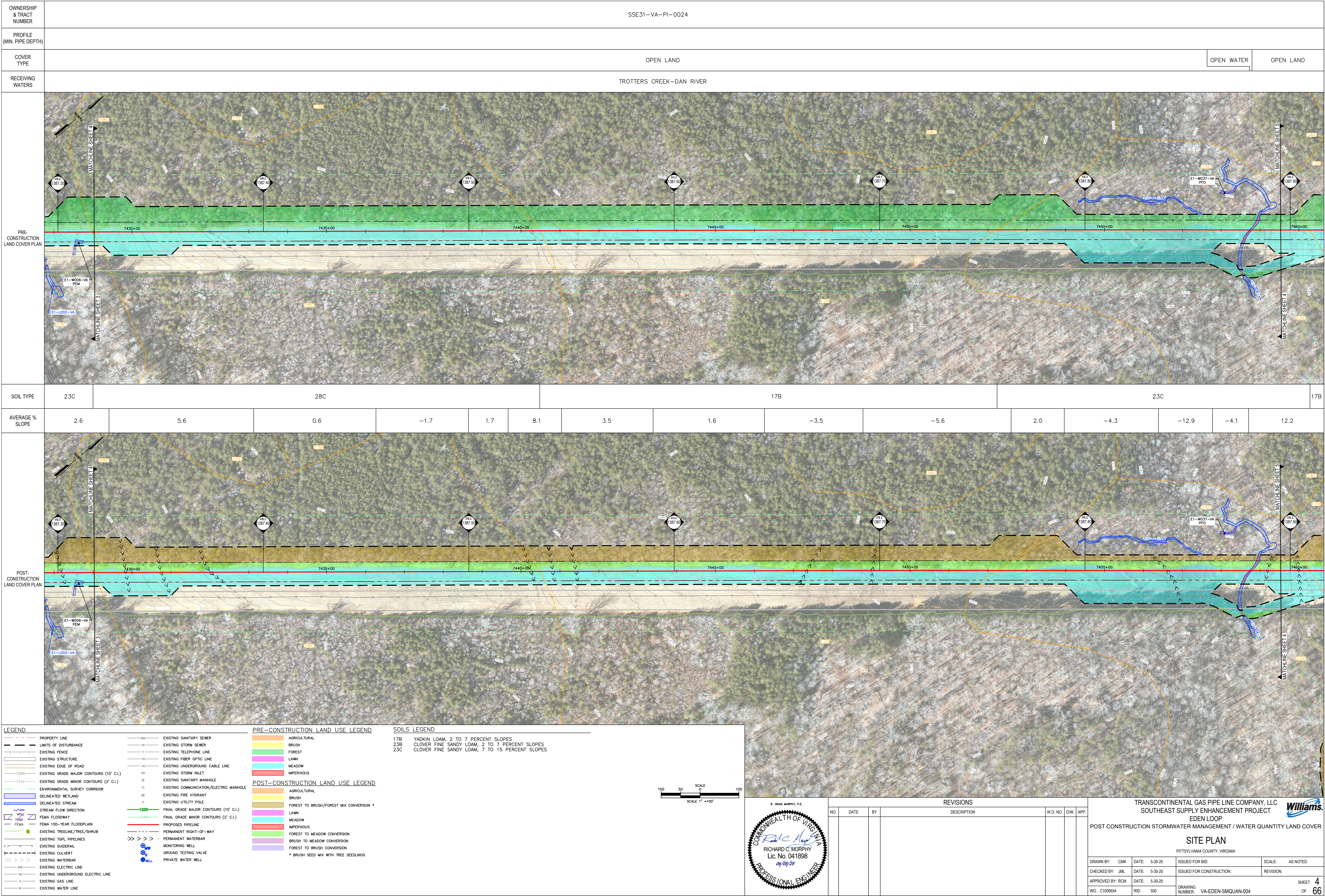
COMMONWEALTH OF VIRGINIA

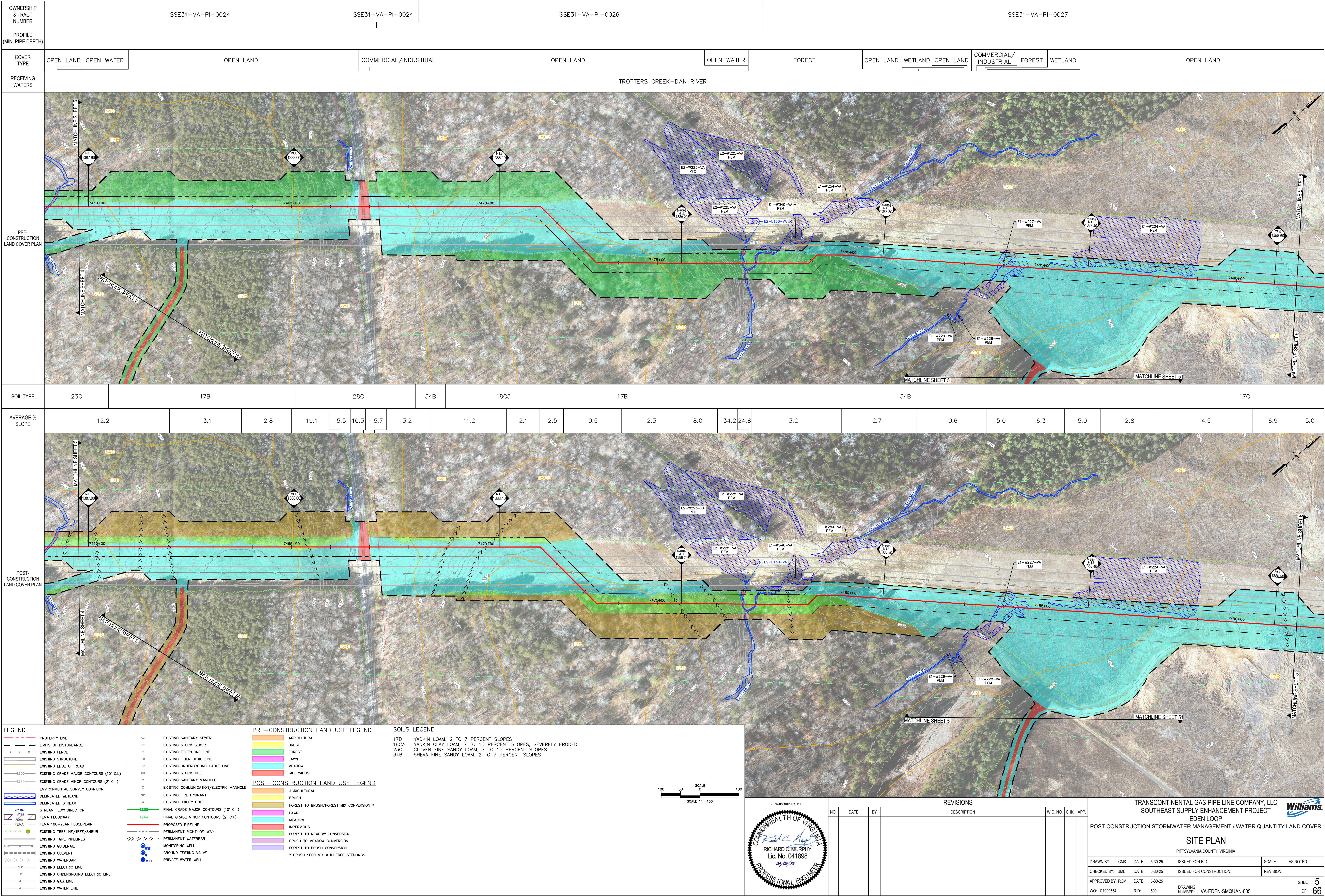
RICHARD C. MURPHY

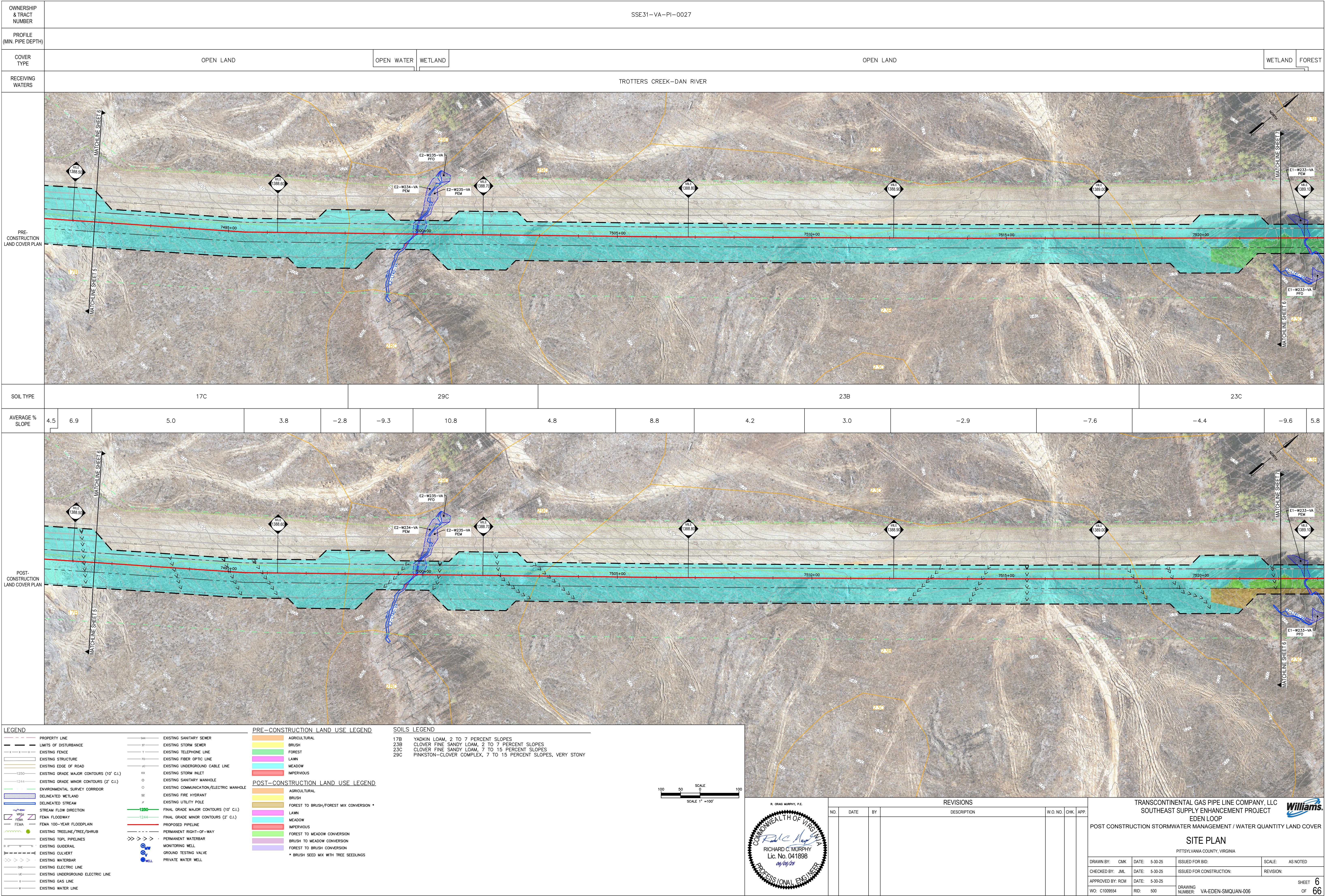
Lic. No. 041898

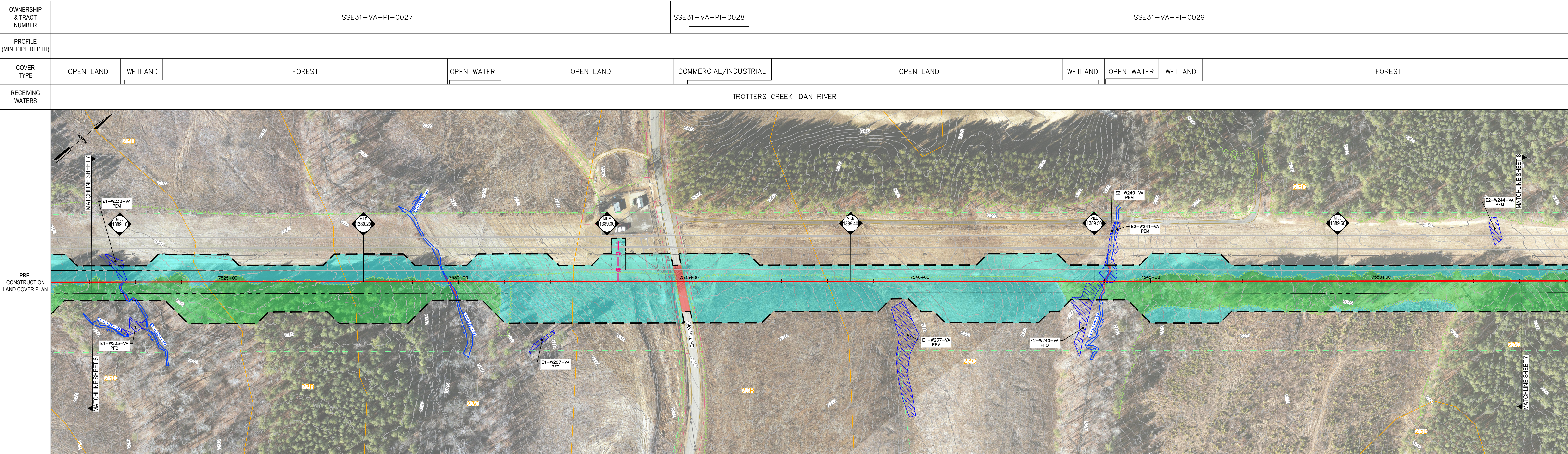
05/09/25

PROFESSIONAL ENGINEER

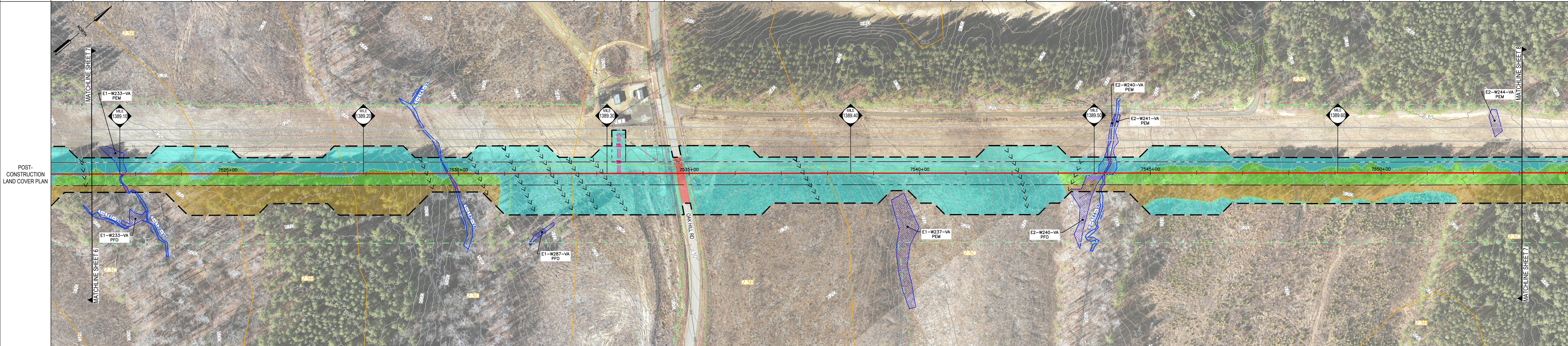








SOIL TYPE	23C			23B		23C			23B					23C											
AVERAGE % SLOPE	-4.4	-9.6	5.8	1.3	-2.2	-9.3	14.0	6.7	-3.3	5.6	-3.0	-9.0	7.4	-4.9	-13.3	-5.0	9.5	5.0	-7.7	7.2	-1.8	-0.5	4.2	-6.7	9.6



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FOREST TO BRUSH/FOREST MIX CONVERSION *

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100 50 0 100

SCALE 1" = 100'

R. CRAIG MURPHY, P.E.

COMMONWEALTH OF VIRGINIA

RICHARD C. MURPHY

Lic. No. 041898

04/09/25

PROFESSIONAL ENGINEER

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SHEET 7 OF 66





