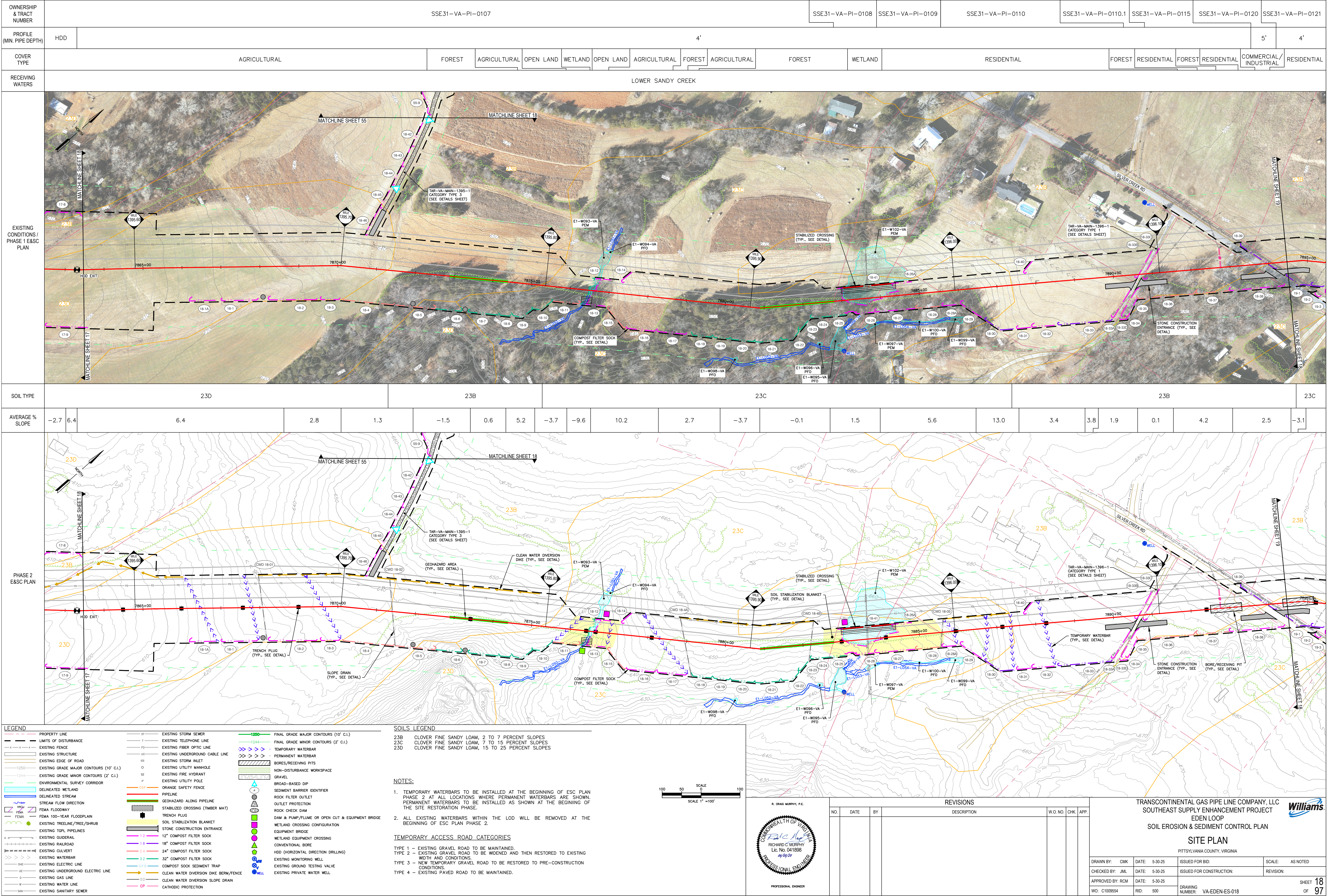
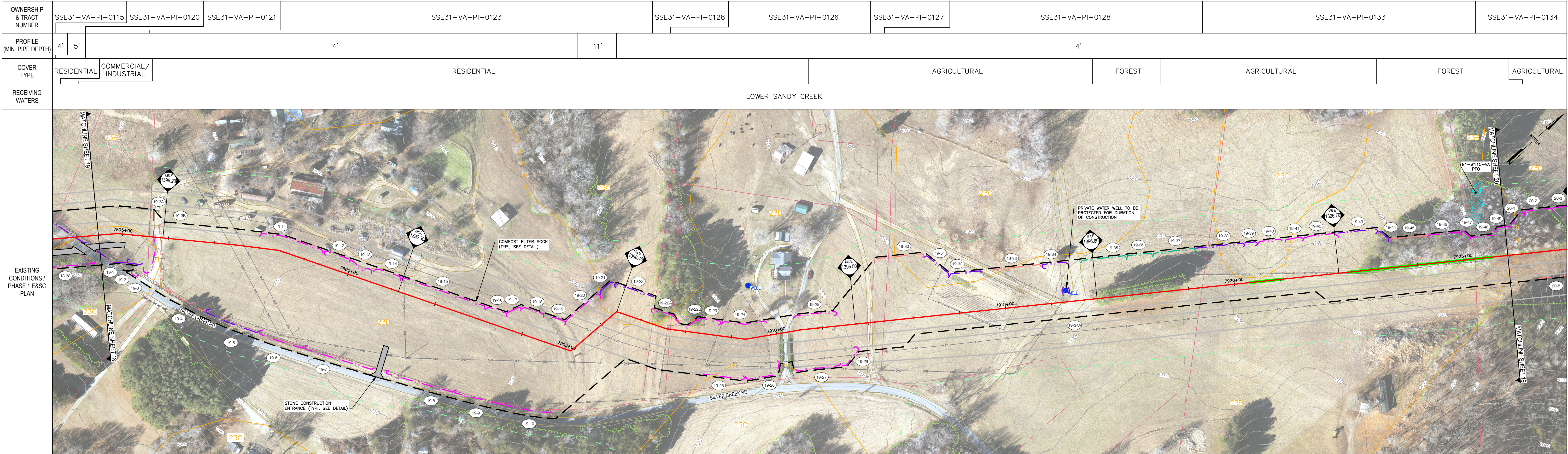
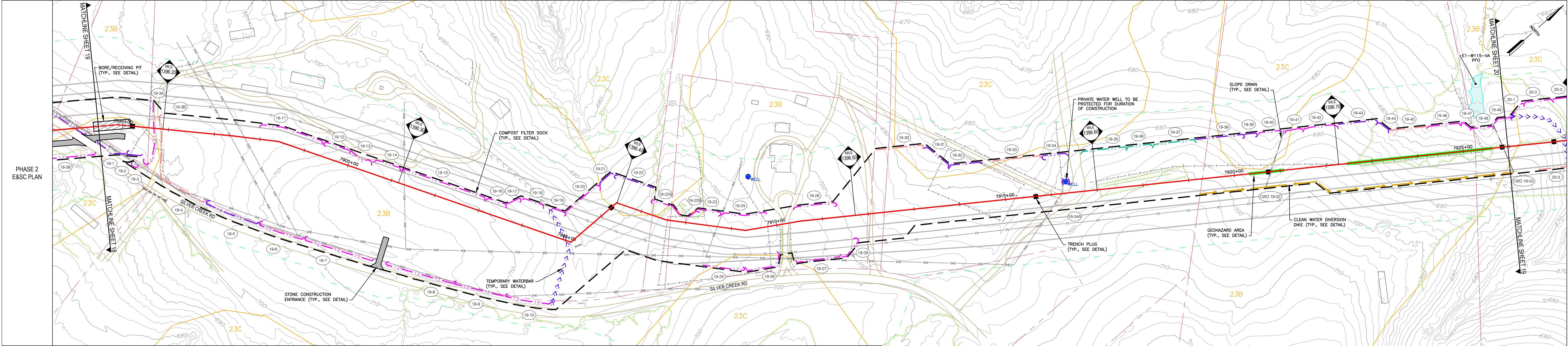






SOIL TYPE	23B		23C	23B								23C	23B																	23C		
AVERAGE % SLOPE	2.5	-3.1		2.5	3.0	3.0	-2.7	-1.9	-0.4	-4.1	-4.2	7.9	2.8	-2.2	-0.7	4.7	-2.4	-4.1	-4.7	-1.1	5.0	2.2	-2.8	-5.8	3.7	-6.2	-2.6	-4.3	2.8	-6.2	-13.8	



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 TREE/LINE/TREE/SHRUB
- EXISTING TGPL PIPELINES
- EXISTING GUIDELINE
- EXISTING RAILROAD
- 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 UTILITY MANHOLE
- EXISTING FIRE HYDRANT
- EXISTING UTILITY POLE
- ORANGE SAFETY FENCE
- PIPELINE
- GEOHAZARD ALONG PIPELINE
- STABILIZED CROSSING (TIMBER MAT)
- TRENCH PLUG
- SOIL STABILIZATION BLANKET
- STONE CONSTRUCTION ENTRANCE
- 12" COMPOST FILTER SOCK
- 18" COMPOST FILTER SOCK
- 24" COMPOST FILTER SOCK
- COMPOST SOCK SEDIMENT TRAP
- CLEAN WATER DIVERSION DIKE BERM/FENCE
- CLEAN WATER DIVERSION SLOPE DRAIN
- CATHODIC PROTECTION

- FINAL GRADE MAJOR CONTOURS (10' C.I.)
- FINAL GRADE MINOR CONTOURS (2' C.I.)
- TEMPORARY WATERBAR
- PERMANENT WATERBAR
- BORER/RECEIVING PITS
- NON-DISTURBANCE WORKSPACE
- GRAVEL
- BROAD-BASED DIP
- SEDIMENT BARRIER IDENTIFIER
- ROCK FILTER OUTLET
- OUTLET PROTECTION
- ROCK CHECK DAM
- DAM & PUMP/FLUME OR OPEN CUT & EQUIPMENT BRIDGE
- WETLAND EQUIPMENT CROSSING
- CONVENTIONAL BORE
- HDD (HORIZONTAL DIRECTION DRILLING)
- EXISTING MONITORING WELL
- EXISTING GROUND TESTING VALVE
- EXISTING PRIVATE WATER WELL

SOILS LEGEND

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

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

NOTES:

1. TEMPORARY WATERBARS TO BE INSTALLED AT THE BEGINNING OF ESC PLAN PHASE 2 AT ALL LOCATIONS WHERE PERMANENT WATERBARS ARE SHOWN. PERMANENT WATERBARS TO BE INSTALLED AS SHOWN AT THE BEGINNING OF THE SITE RESTORATION PHASE.

2. ALL EXISTING WATERBARS WITHIN THE LOD WILL BE REMOVED AT THE BEGINNING OF ESC PLAN PHASE 2.

TEMPORARY ACCESS ROAD CATEGORIES

TYPE 1 - EXISTING GRAVEL ROAD TO BE MAINTAINED.

TYPE 2 - EXISTING GRAVEL ROAD TO BE WIDENED AND THEN RESTORED TO EXISTING WIDTH AND CONDITIONS.

TYPE 3 - NEW TEMPORARY GRAVEL ROAD TO BE RESTORED TO PRE-CONSTRUCTION CONDITIONS.

TYPE 4 - EXISTING PAVED ROAD TO BE MAINTAINED.

REVISIONS

NO.	DATE	BY	DESCRIPTION	W.O. NO.	CHK.	APP.

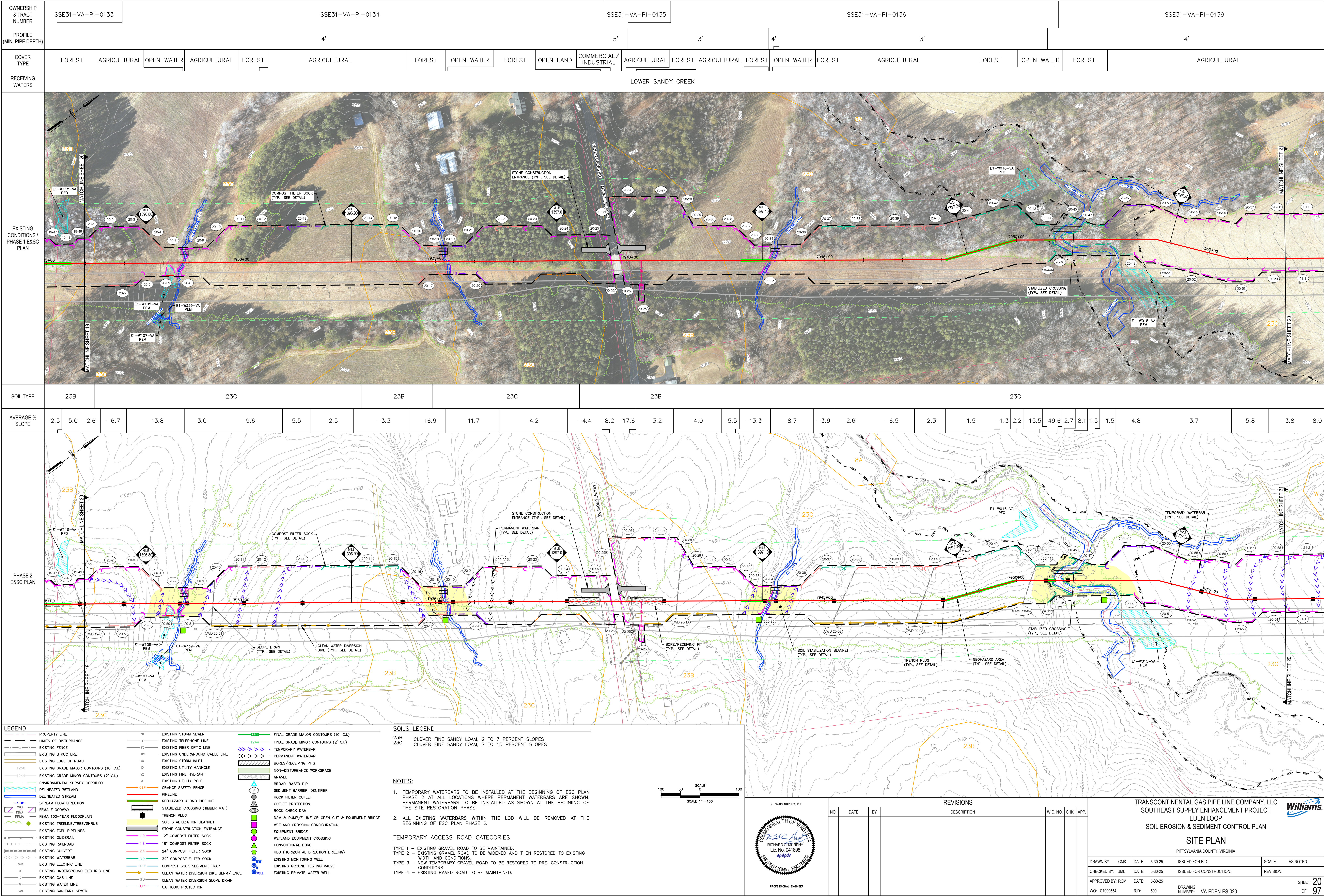
TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC
SOUTHEAST SUPPLY ENHANCEMENT PROJECT
EDEN LOOP
SOIL EROSION & SEDIMENT CONTROL PLAN
SITE PLAN
PITTSYLVANIA COUNTY, VIRGINIA

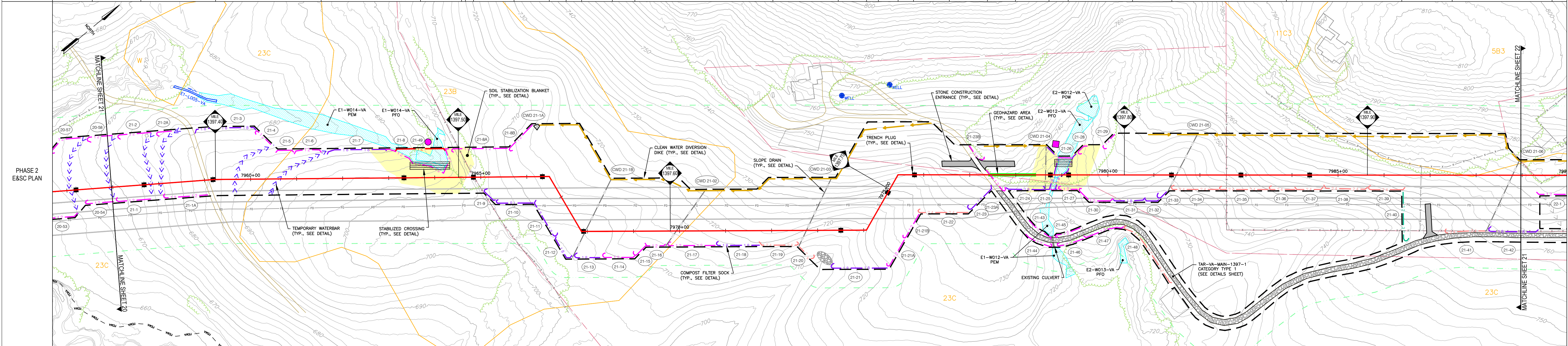
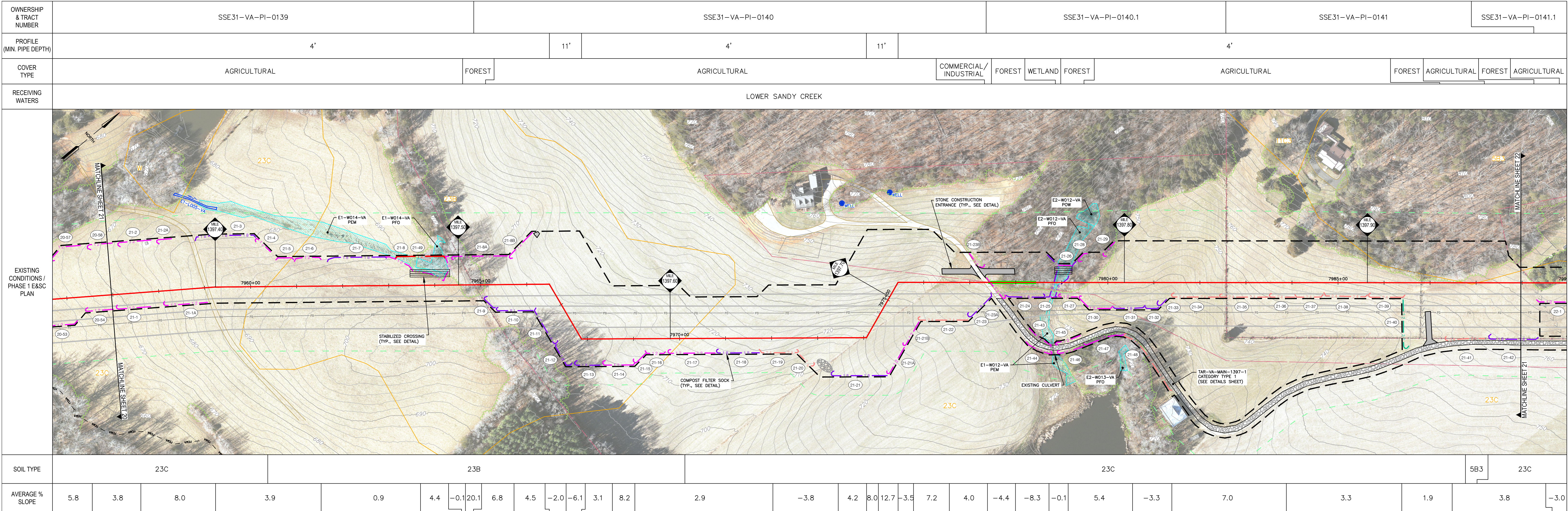
LEGEND

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CHECKED BY: JML	DATE: 5-30-25	ISSUED FOR CONSTRUCTION:	REVISION:
APPROVED BY: RCM	DATE: 5-30-25	DRAWING NUMBER: VA-EDEN-ES-019	SHEET 19 OF 97

PROFESSIONAL ENGINEER

RICHARD C. MURPHY, P.E.
Lic. No. 041898
06/09/22





LEGEND

—	PROPERTY LINE	—	EXISTING STORM SEWER	—	FINAL GRADE MAJOR CONTOURS (10' C.I.)
- - -	LIMITS OF DISTURBANCE	—	EXISTING TELEPHONE LINE	—	FINAL GRADE MINOR CONTOURS (2' C.I.)
- - -	EXISTING FENCE	—	EXISTING FIBER OPTIC LINE	—	TEMPORARY WATERBAR
- - -	EXISTING STRUCTURE	—	EXISTING UNDERGROUND CABLE LINE	—	PERMANENT WATERBAR
- - -	EXISTING EDGE OF ROAD	—	EXISTING STORM INLET	—	BORNS/RECEIVING PITS
- - -	EXISTING GRADE MAJOR CONTOURS (10' C.I.)	—	STABILIZED CROSSING (TIMBER MAT)	—	NON-DISTURBANCE WORKSPACE
- - -	EXISTING GRADE MINOR CONTOURS (2' C.I.)	—	EXISTING UTILITY MANHOLE	—	GRAVEL
- - -	ENVIRONMENTAL SURVEY CORRIDOR	—	EXISTING FIRE HYDRANT	—	BROAD-BASED DIP
- - -	DELINEATED WETLAND	—	EXISTING UTILITY POLE	—	SEDIMENT BARRIER IDENTIFIER
- - -	DELINEATED STREAM	—	ORANGE SAFETY FENCE	—	OUTLET PROTECTION
- - -	STREAM FLOW DIRECTION	—	PIPELINE	—	ROCK CHECK DAM
- - -	FEMA FLOODWAY	—	GEHAZARD ALONG PIPELINE	—	DAM & PUMP/FLUME OR OPEN CUT & EQUIPMENT BRIDGE
- - -	FEMA 100-YEAR FLOODPLAIN	—	TRENCH PLUG	—	CONVENTIONAL BORE
- - -	EXISTING TREELINE/TREE/SHRUB	—	SOIL STABILIZATION BLANKET	—	HDD (HORIZONTAL DIRECTION DRILLING)
- - -	EXISTING TGPL PIPELINES	—	STONE CONSTRUCTION ENTRANCE	—	EXISTING MONITORING WELL
- - -	EXISTING GUIDERAIL	—	12" COMPOST FILTER SOCK	—	EXISTING GROUND TESTING VALVE
- - -	EXISTING RAILROAD	—	18" COMPOST FILTER SOCK	—	EXISTING PRIVATE WATER WELL
- - -	EXISTING CULVERT	—	24" COMPOST FILTER SOCK	—	
- - -	EXISTING WATERBAR	—	32" COMPOST FILTER SOCK	—	
- - -	EXISTING ELECTRIC LINE	—	COMPOST SOCK SEDIMENT TRAP	—	
- - -	EXISTING UNDERGROUND ELECTRIC LINE	—	CLEAN WATER DIVERSION DIKE BERM/FENCE	—	
- - -	EXISTING GAS LINE	—	CLEAN WATER DIVERSION SLOPE DRAIN	—	
- - -	EXISTING WATER LINE	—	CATHODIC PROTECTION	—	
- - -	EXISTING SANITARY SEWER	—		—	

SOILS LEGEND

5B3	CLIFFORD SANDY LOAM, 2 TO 7 PERCENT SLOPES
23B	CLOVER FINE SANDY LOAM, 2 TO 7 PERCENT SLOPES
23C	CLOVER FINE SANDY LOAM, 7 TO 15 PERCENT SLOPES

NOTES:

- TEMPORARY WATERBARS TO BE INSTALLED AT THE BEGINNING OF ESC PLAN PHASE 2 AT ALL LOCATIONS WHERE PERMANENT WATERBARS ARE SHOWN. PERMANENT WATERBARS TO BE INSTALLED AS SHOWN AT THE BEGINNING OF THE SITE RESTORATION PHASE.
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TYPE 4 - EXISTING PAVED ROAD TO BE MAINTAINED.

100 50 0 SCALE 1" = 100'

R. CRAIG MURPHY, P.E.

COMMONWEALTH OF VIRGINIA

RICHARD C. MURPHY

LIC. NO. 041898

PROFESSIONAL ENGINEER

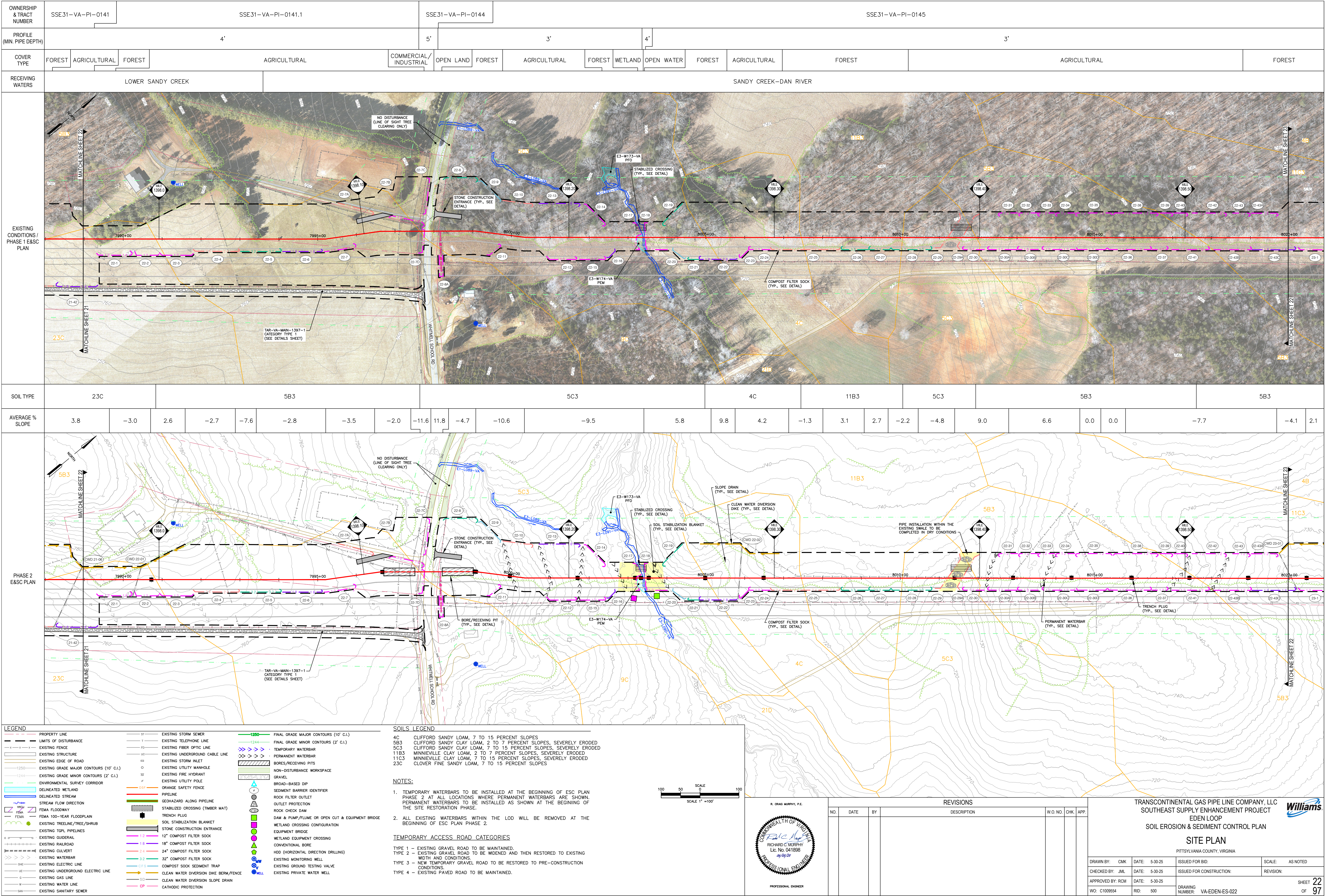
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NO.	DATE	BY	DESCRIPTION				

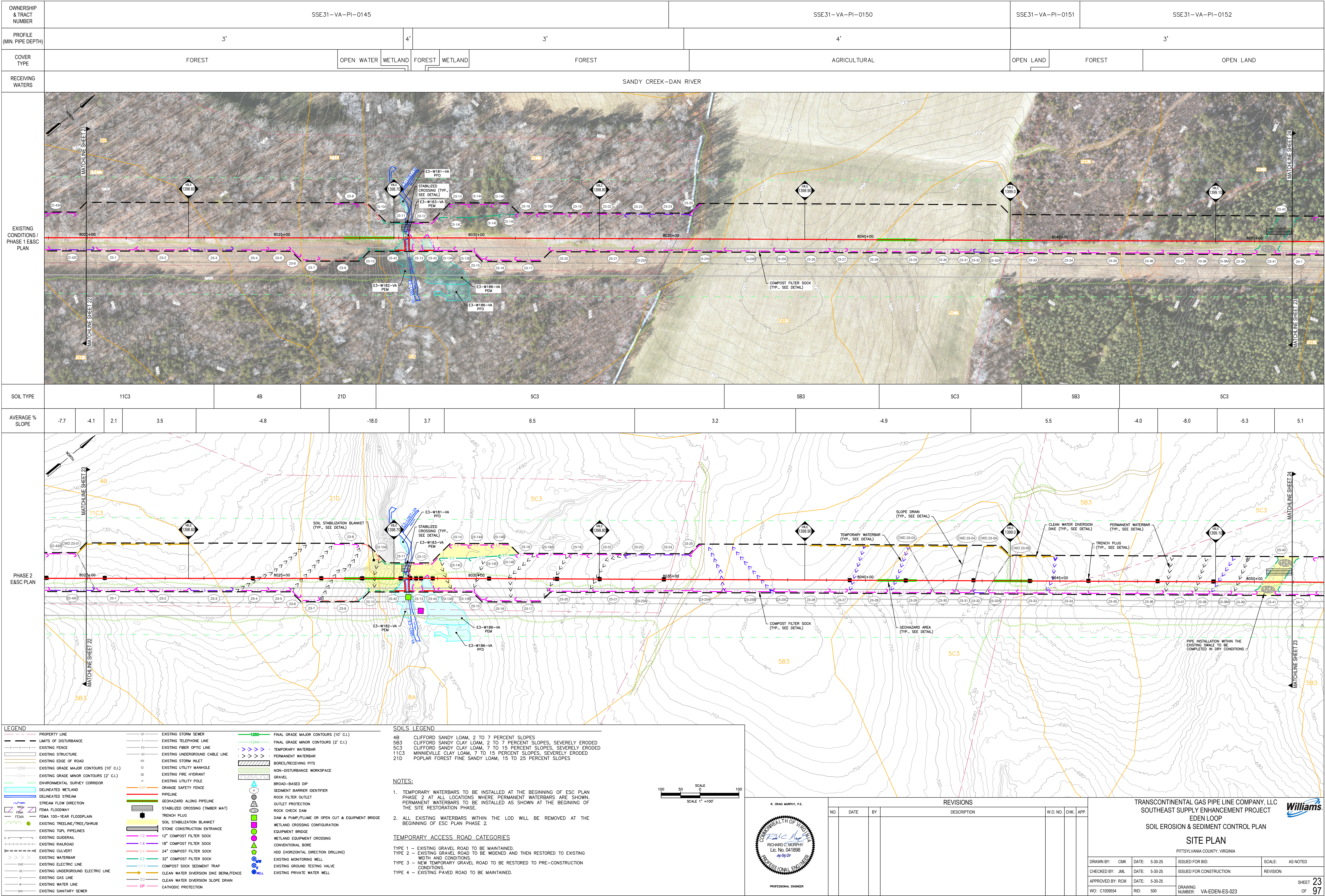
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SOUTHEAST SUPPLY ENHANCEMENT PROJECT
EDEN LOOP
SOIL EROSION & SEDIMENT CONTROL PLAN

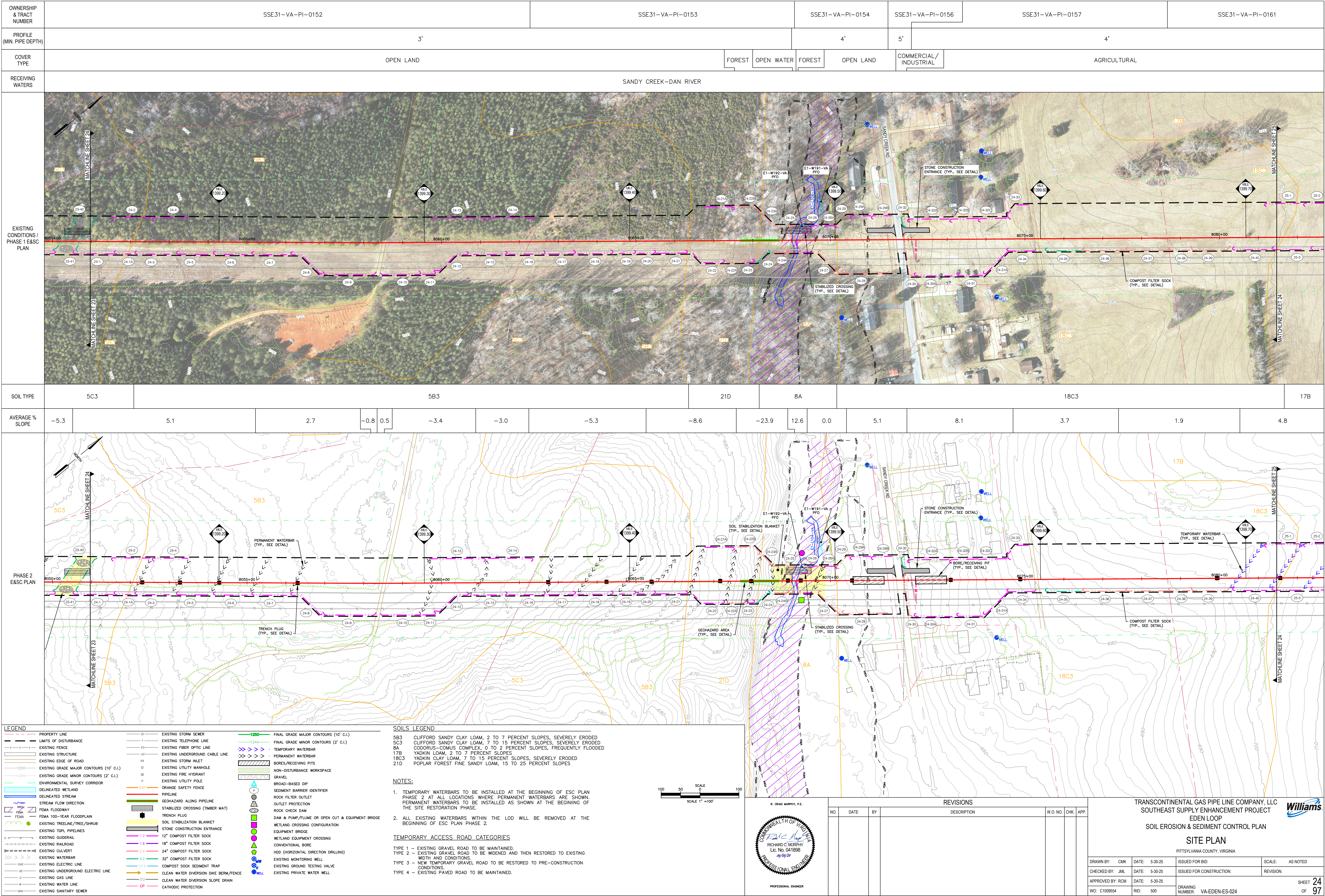
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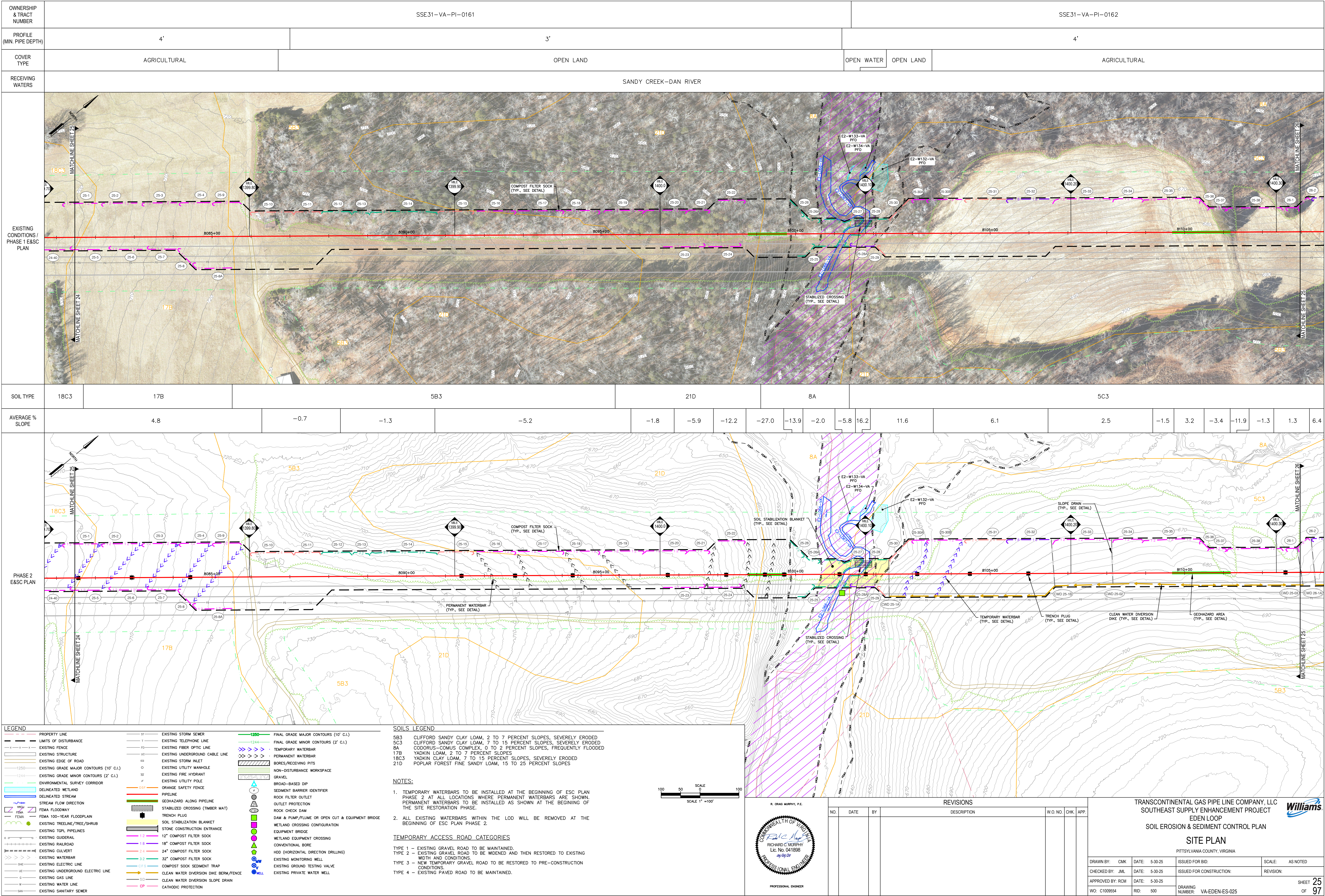
PITTSYLVANIA COUNTY, VIRGINIA

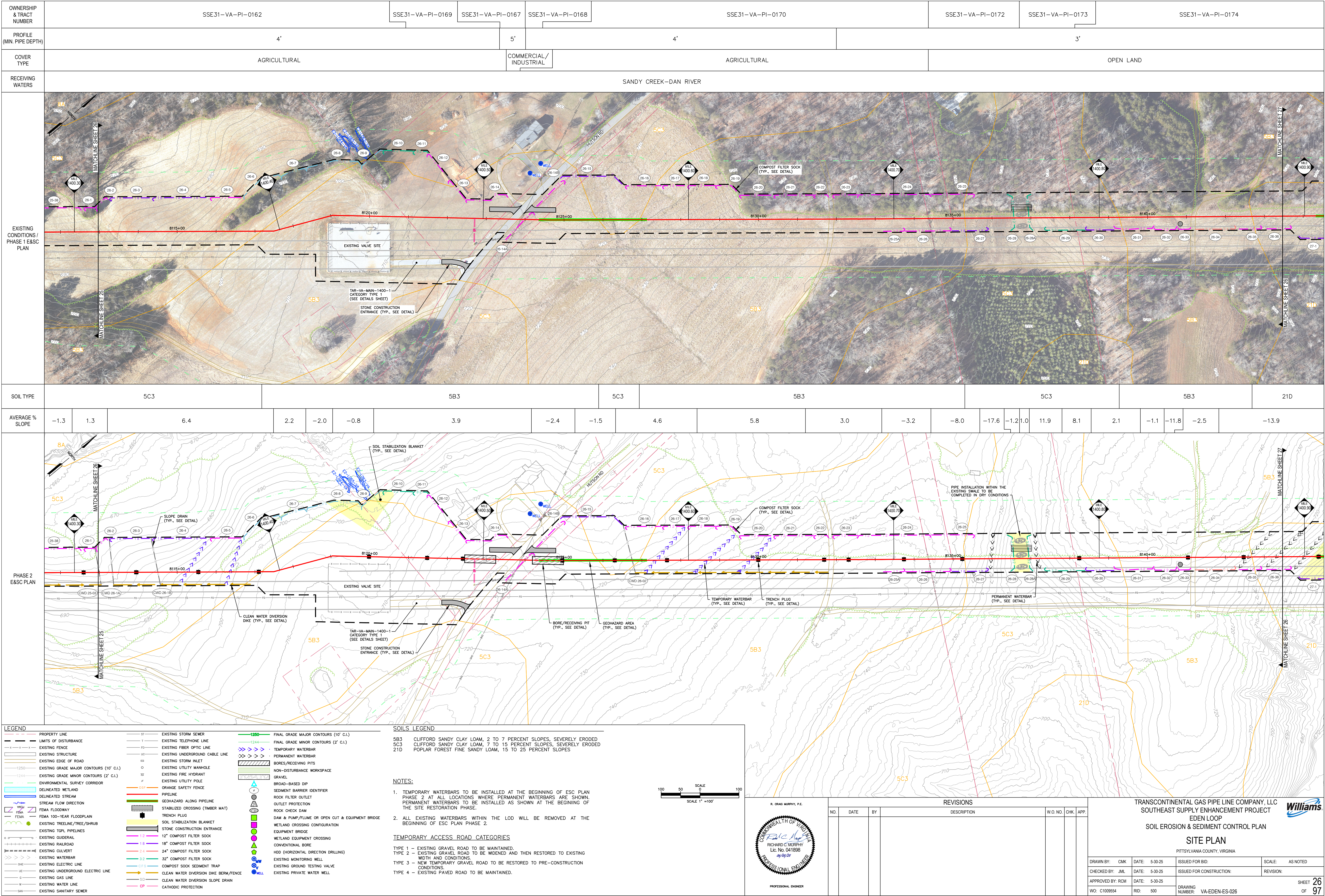
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CHECKED BY: JML	DATE: 5-30-25	ISSUED FOR CONSTRUCTION:	REVISION:
APPROVED BY: RCM	DATE: 5-30-25	DRAWING NUMBER: VA-EDEN-ES-021	SHEET 21 OF 97

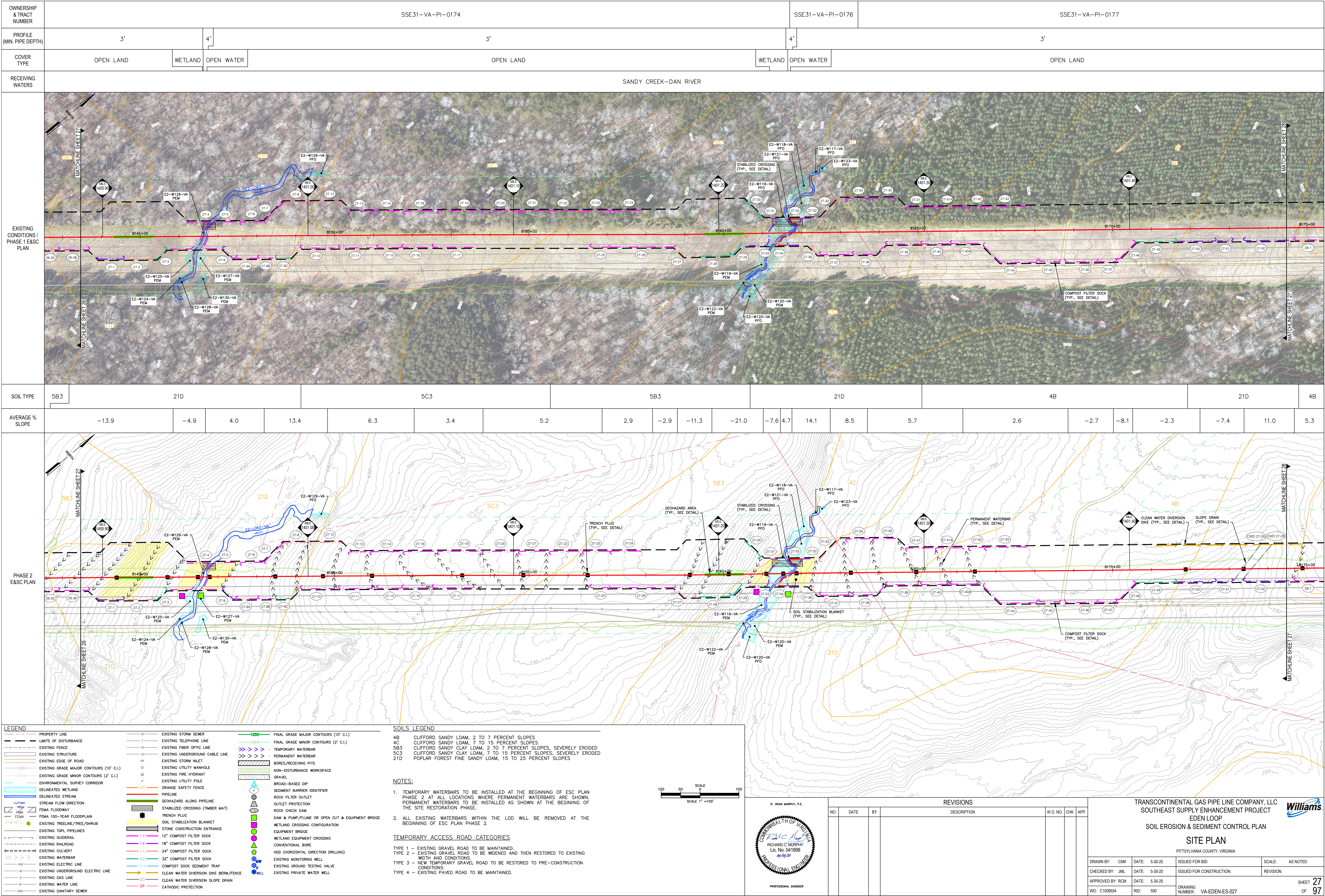


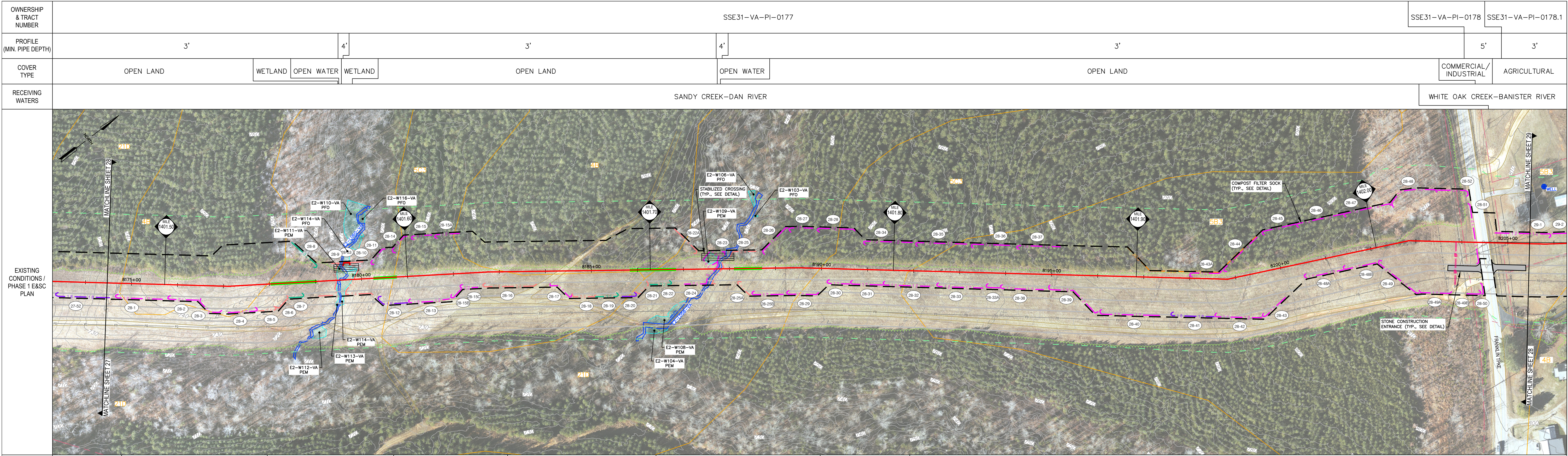


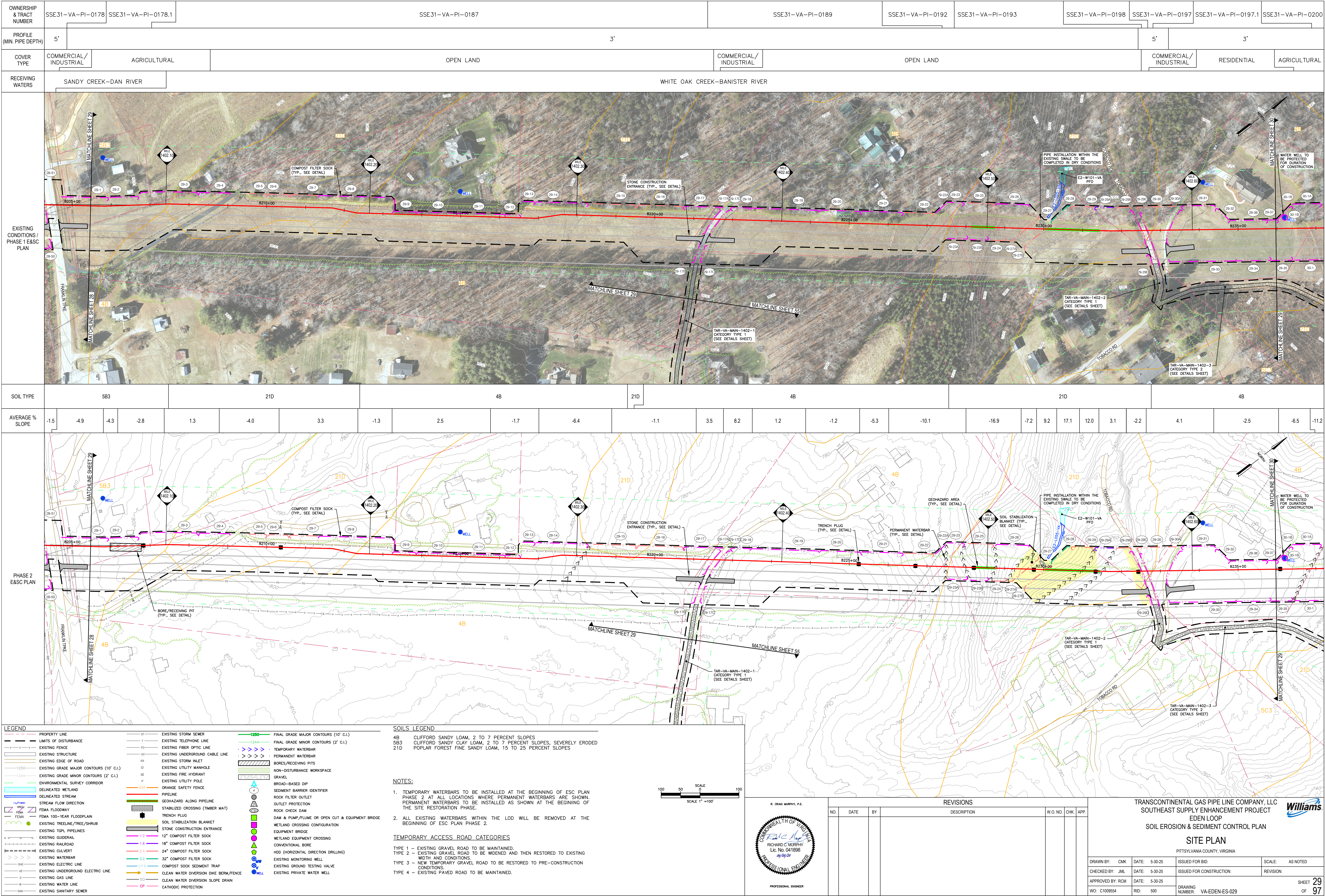


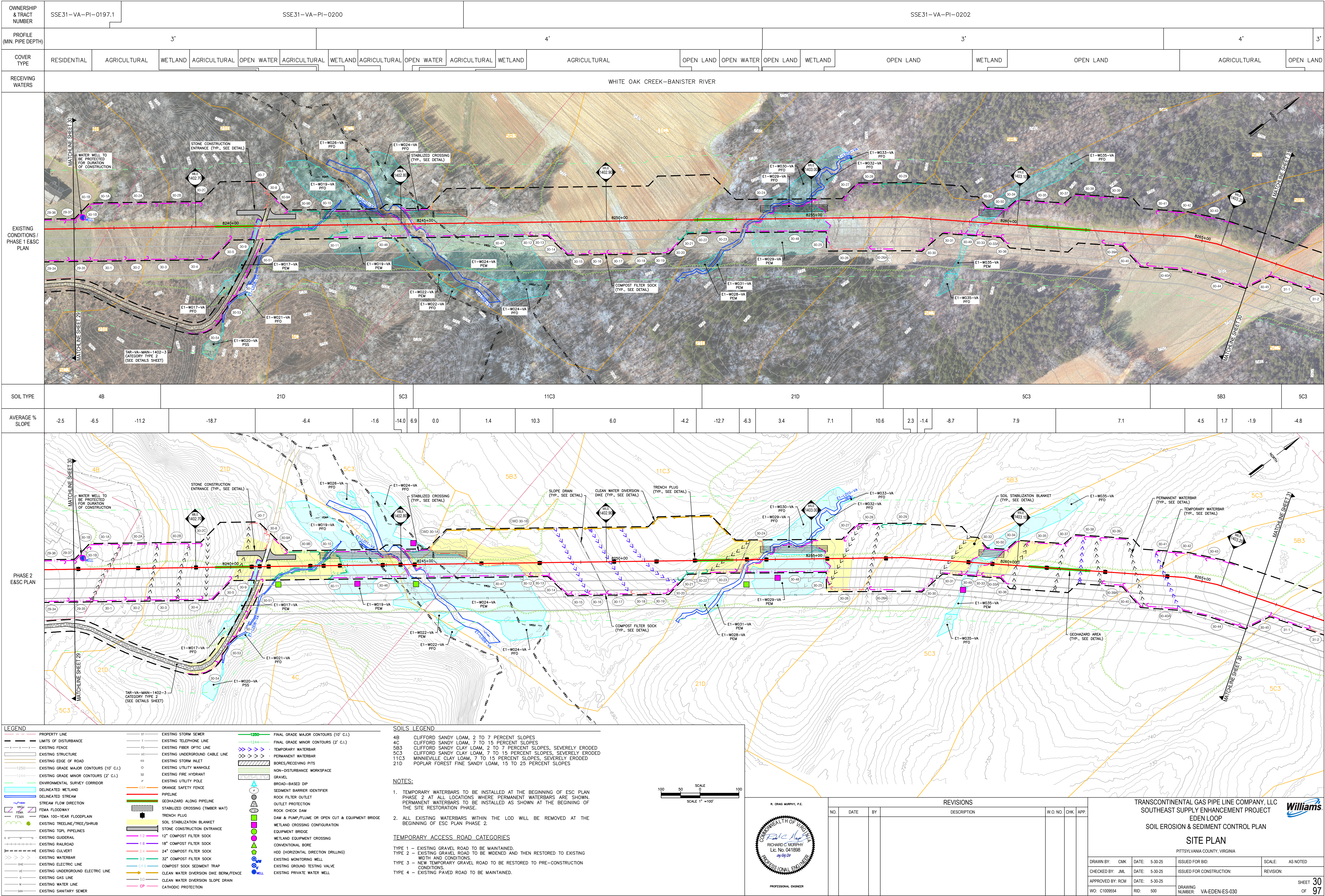


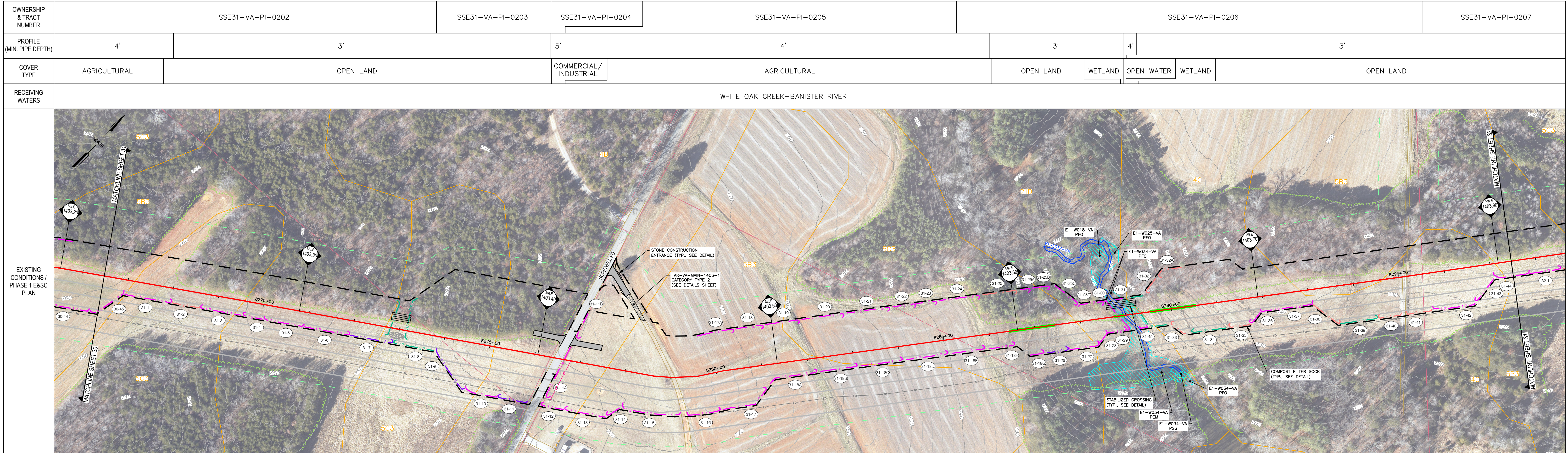




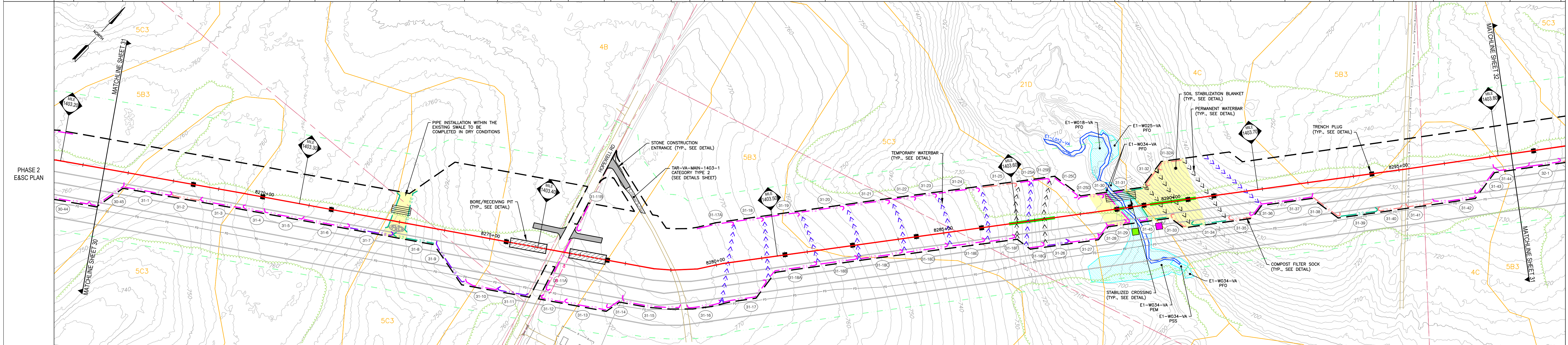








SOIL TYPE	5B3			5C3		5B3			5C3		4B			5B3						5C3						21D			4C			5B3			4C			5B3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
AVERAGE % SLOPE	1.7	-1.9		-4.8	6.0		1.7	-1.7	-5.9	-8.8	8.9	5.5	0.8	1.0	5.9	1.8	0.0	0.0	0.0	-2.1	-5.9																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				



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 RAILROAD
- 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 UTILITY MANHOLE
- EXISTING FIRE HYDRANT
- EXISTING UTILITY POLE
- ORANGE SAFETY FENCE
- PIPELINE
- GEHAZARD ALONG PIPELINE
- STABILIZED CROSSING (TIMBER MAT)
- TRENCH PLUG
- SOIL STABILIZATION BLANKET
- STONE CONSTRUCTION ENTRANCE
- 12" COMPOST FILTER SOCK
- 18" COMPOST FILTER SOCK
- 24" COMPOST FILTER SOCK
- 32" COMPOST FILTER SOCK
- COMPOST SOCK SEDIMENT TRAP
- CLEAN WATER DIVERSION DIKE BERM/FENCE
- CLEAN WATER DIVERSION SLOPE DRAIN
- CATHODIC PROTECTION

- FINAL GRADE MAJOR CONTOURS (10' C.I.)
- FINAL GRADE MINOR CONTOURS (2' C.I.)
- TEMPORARY WATERBAR
- PERMANENT WATERBAR
- BORES/RECEIVING PITS
- NON-DISTURBANCE WORKSPACE
- GRAVEL
- BROAD-BASED DIP
- SEDIMENT BARRIER IDENTIFIER
- ROCK FILTER OUTLET
- OUTLET PROTECTION
- ROCK CHECK DAM
- DAM & PUMP/FLUME OR OPEN CUT & EQUIPMENT BRIDGE
- WETLAND CROSSING CONFIGURATION
- EQUIPMENT BRIDGE
- WETLAND EQUIPMENT CROSSING
- CONVENTIONAL BORE
- HDD (HORIZONTAL DIRECTION DRILLING)
- EXISTING MONITORING WELL
- EXISTING GROUND TESTING VALVE
- EXISTING PRIVATE WATER WELL

SOILS LEGEND

- 4B CLIFFORD SANDY LOAM, 2 TO 7 PERCENT SLOPES
- 4C CLIFFORD SANDY LOAM, 7 TO 15 PERCENT SLOPES
- 5B3 CLIFFORD SANDY CLAY LOAM, 2 TO 7 PERCENT SLOPES, SEVERELY ERODED
- 5C3 CLIFFORD SANDY CLAY LOAM, 7 TO 15 PERCENT SLOPES, SEVERELY ERODED
- 21D POPLAR FOREST FINE SANDY LOAM, 15 TO 25 PERCENT SLOPES

NOTES:

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100 50 0 SCALE 1" = 100'

R. CRAIG MURPHY, P.E.

PROFESSIONAL ENGINEER

REVISIONS

NO.	DATE	BY	DESCRIPTION	W.O. NO.	CHK.	APP.

TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC

SOUTHEAST SUPPLY ENHANCEMENT PROJECT

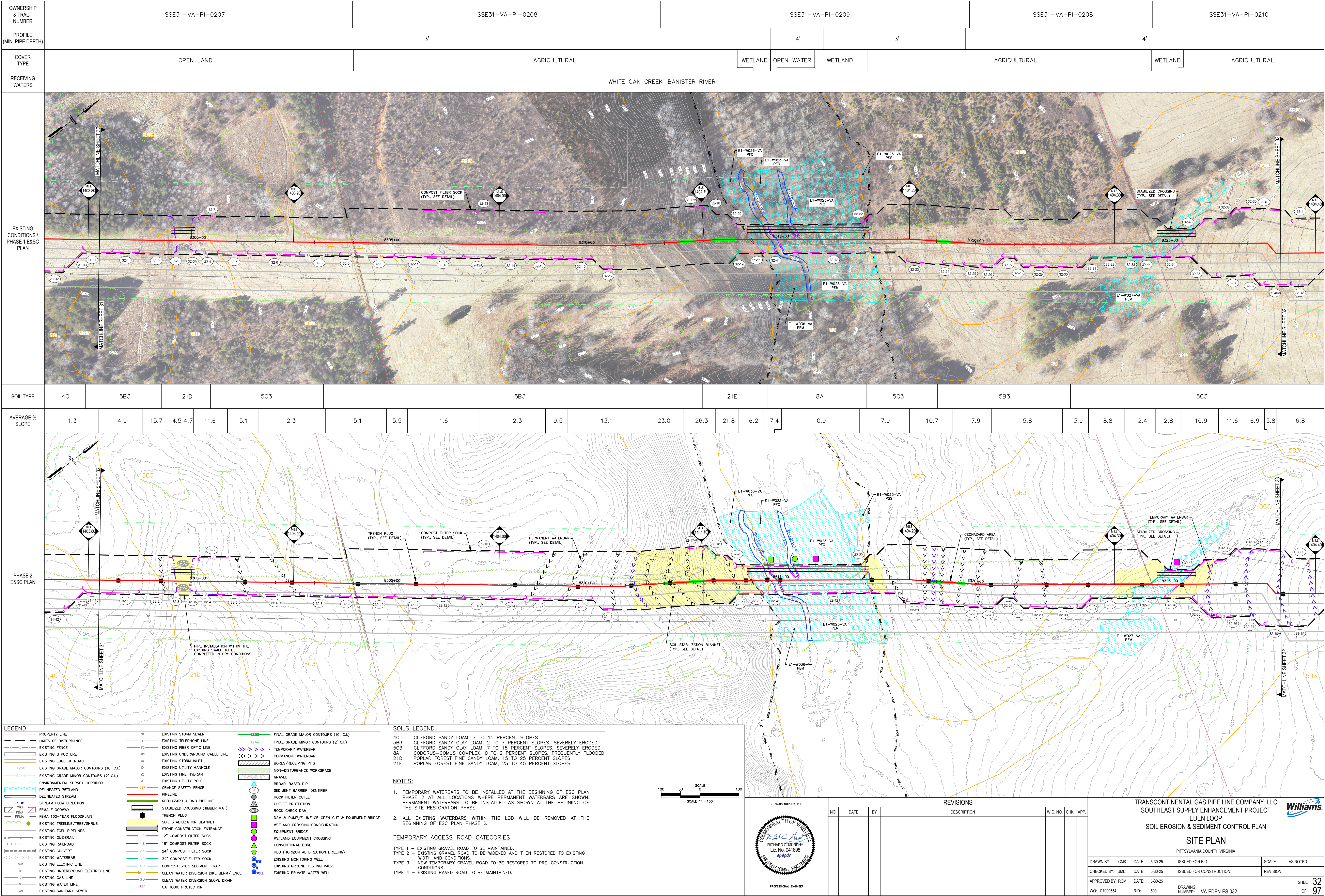
EDEN LOOP

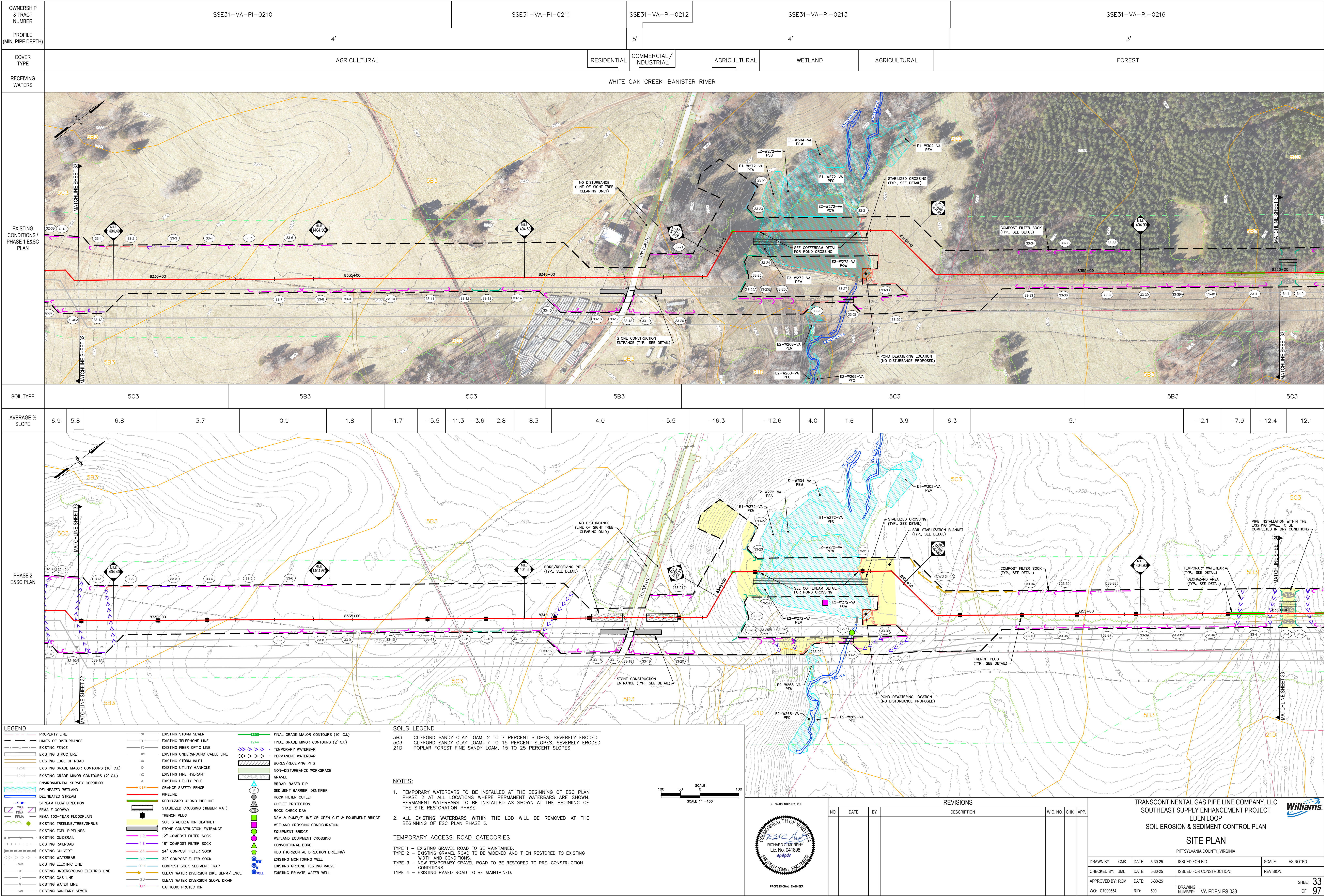
SOIL EROSION & SEDIMENT CONTROL PLAN

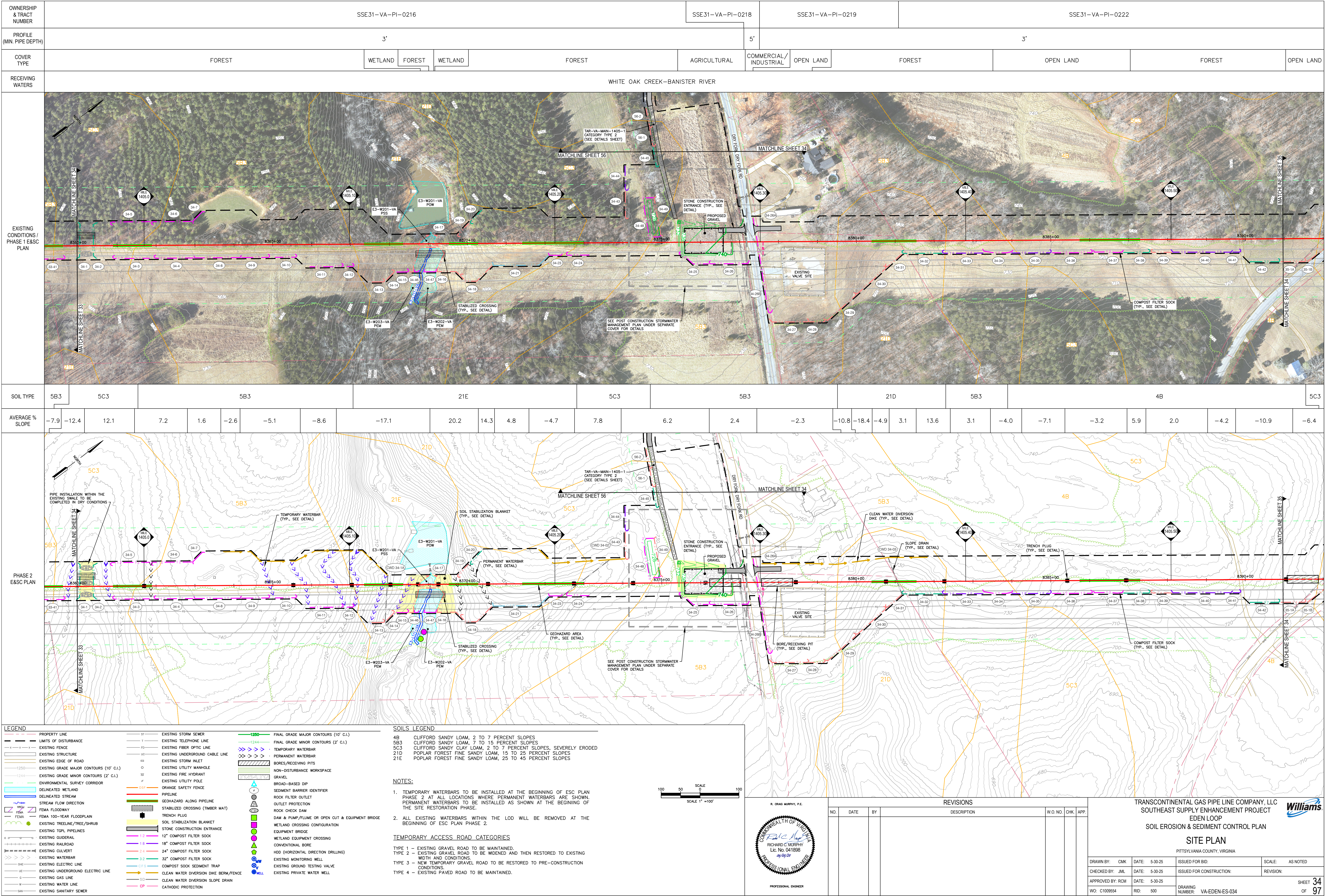
SITE PLAN

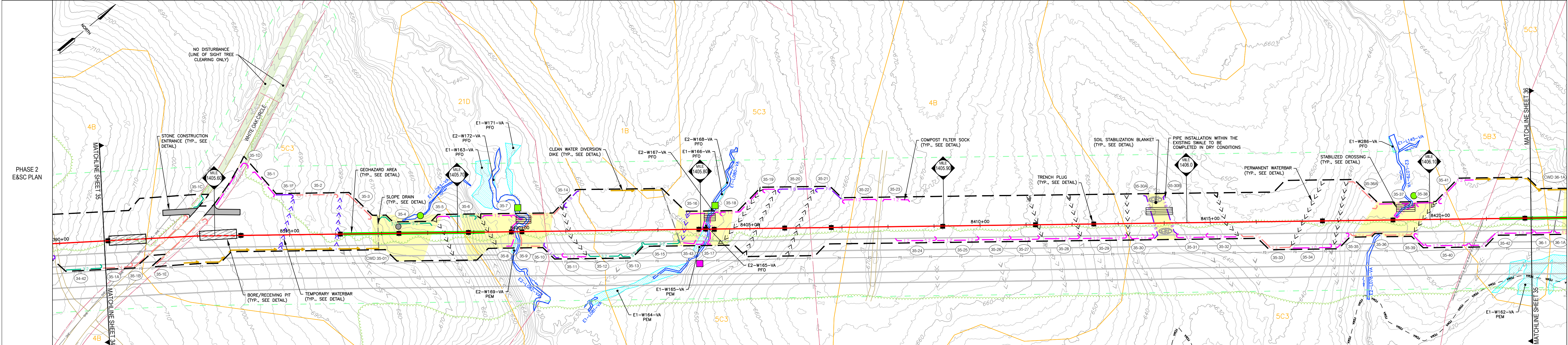
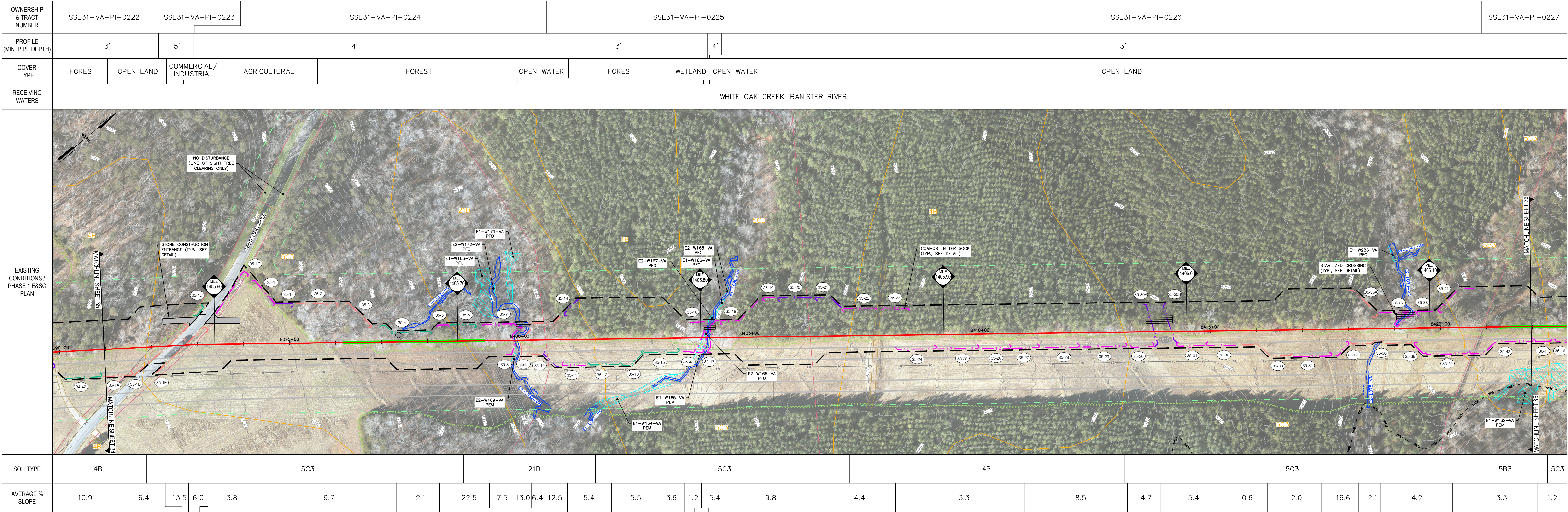
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CHECKED BY: JML	DATE: 5-30-25	ISSUED FOR CONSTRUCTION:	REVISION:
APPROVED BY: RCM	DATE: 5-30-25	DRAWING NUMBER: VA-EDEN-ES-031	SHEET 31 OF 97









LEGEND

—	PROPERTY LINE	—	EXISTING STORM SEWER	—	FINAL GRADE MAJOR CONTOURS (10' C.I.)
- - -	LIMITS OF DISTURBANCE	—	EXISTING TELEPHONE LINE	—	FINAL GRADE MINOR CONTOURS (2' C.I.)
- - -	EXISTING FENCE	—	EXISTING FIBER OPTIC LINE	—	TEMPORARY WATERBAR
- - -	EXISTING STRUCTURE	—	EXISTING UNDERGROUND CABLE LINE	—	PERMANENT WATERBAR
- - -	EXISTING EDGE OF ROAD	—	EXISTING STORM INLET	—	BORES/RECEIVING PITS
- - -	EXISTING GRADE MAJOR CONTOURS (10' C.I.)	—	EXISTING UTILITY MANHOLE	—	NON-DISTURBANCE WORKSPACE
- - -	EXISTING GRADE MINOR CONTOURS (2' C.I.)	—	EXISTING FIRE HYDRANT	—	GRAVEL
- - -	ENVIRONMENTAL SURVEY CORRIDOR	—	EXISTING UTILITY POLE	—	BROAD-BASED DIP
- - -	DELINEATED WETLAND	—	ORANGE SAFETY FENCE	—	SEDIMENT BARRIER IDENTIFIER
- - -	DELINEATED STREAM	—	PIPELINE	—	ROCK FILTER OUTLET
- - -	STREAM FLOW DIRECTION	—	GEHAZARD ALONG PIPELINE	—	OUTLET PROTECTION
- - -	FEMA FLOODWAY	—	STABILIZED CROSSING (TIMBER MAT)	—	ROCK CHECK DAM
- - -	FEMA 100-YEAR FLOODPLAIN	—	TRENCH PLUG	—	DAM & PUMP/FLUME OR OPEN CUT & EQUIPMENT BRIDGE
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- - -	EXISTING WATERBAR	—	32" COMPOST FILTER SOCK	—	EXISTING MONITORING WELL
- - -	EXISTING ELECTRIC LINE	—	COMPOST SOCK SEDIMENT TRAP	—	EXISTING GROUND TESTING VALVE
- - -	EXISTING UNDERGROUND ELECTRIC LINE	—	CLEAN WATER DIVERSION DIKE BERM/FENCE	—	EXISTING PRIVATE WATER WELL
- - -	EXISTING GAS LINE	—	CATHODIC PROTECTION	—	
- - -	EXISTING WATER LINE	—		—	
- - -	EXISTING SANITARY SEWER	—		—	

SOILS LEGEND

1B	NATHALIE SANDY LOAM, 2 TO 7 PERCENT SLOPES
4B	CLIFFORD SANDY LOAM, 2 TO 7 PERCENT SLOPES
5B3	CLIFFORD SANDY CLAY LOAM, 2 TO 7 PERCENT SLOPES, SEVERELY ERODED
5C3	CLIFFORD SANDY CLAY LOAM, 7 TO 15 PERCENT SLOPES, SEVERELY ERODED
21D	POPLAR FOREST FINE SANDY LOAM, 15 TO 25 PERCENT SLOPES

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SCALE 1" = 100'

R. CRAIG MURPHY, P.E.

PROFESSIONAL ENGINEER

REVISIONS						
NO.	DATE	BY	DESCRIPTION	W.O. NO.	CHK.	APP.

TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC
SOUTHEAST SUPPLY ENHANCEMENT PROJECT
EDEN LOOP
SOIL EROSION & SEDIMENT CONTROL PLAN

SITE PLAN

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-ES-035	SHEET 35 OF 97
WO: C1009554	RID: 500		