

[illegible]

OWNERSHIP & TRACT NUMBER

SSE31-VA-PI-0051

SSE31-VA-PI-0053

SSE31-VA-PI-0052

SSE31-VA-PI-0053.2

SSE31-VA-PI-0053.1

SSE31-VA-PI-0053.4

SSE31-VA-PI-0053.5

SSE31-VA-PI-0053.6

SSE31-VA-PI-0053.8

SSE31-VA-PI-0053.9

SSE31-VA-PI-0053.10

SSE31-VA-PI-0053.12

SSE31-VA-PI-0053.13

SSE31-VA-PI-0053.12

PROFILE (MIN. PIPE DEPTH)

N/A

COVER TYPE

OPEN LAND

FOREST

RESIDENTIAL

COMMERCIAL/INDUSTRIAL

RESIDENTIAL

COMMERCIAL/INDUSTRIAL

OPEN WATER

COMMERCIAL/INDUSTRIAL

OPEN WATER

COMMERCIAL/INDUSTRIAL

RESIDENTIAL

RECEIVING WATERS

TROTTERS CREEK-DAN RIVER

EXISTING CONDITIONS / PHASE 1 E&SC PLAN

SOIL TYPE

4C

5C3

5B3

5C3

21D

23C

23B

AVERAGE % SLOPE

2.5

1.5

-0.6

-3.7

7.6

NEED TOPO

PHASE 2 E&SC PLAN

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 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

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 DKE

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

CLEAN WATER DIVERSION DKE

EXISTING PRIVATE WATER WELL

SOILS LEGEND

9B LACKSTOWN FINE SANDY LOAM, 2 TO 7 PERCENT SLOPES

23B LACKSTOWN FINE SANDY LOAM, 7 TO 15 PERCENT SLOPES

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

NOTE:

TEMPORARY WATERBARS TO BE INSTALLED AT THE BEGINNING OF ESCP PHASE 2 AT ALL LOCATIONS WHERE PERMANENT WATER BARS ARE SHOWN

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

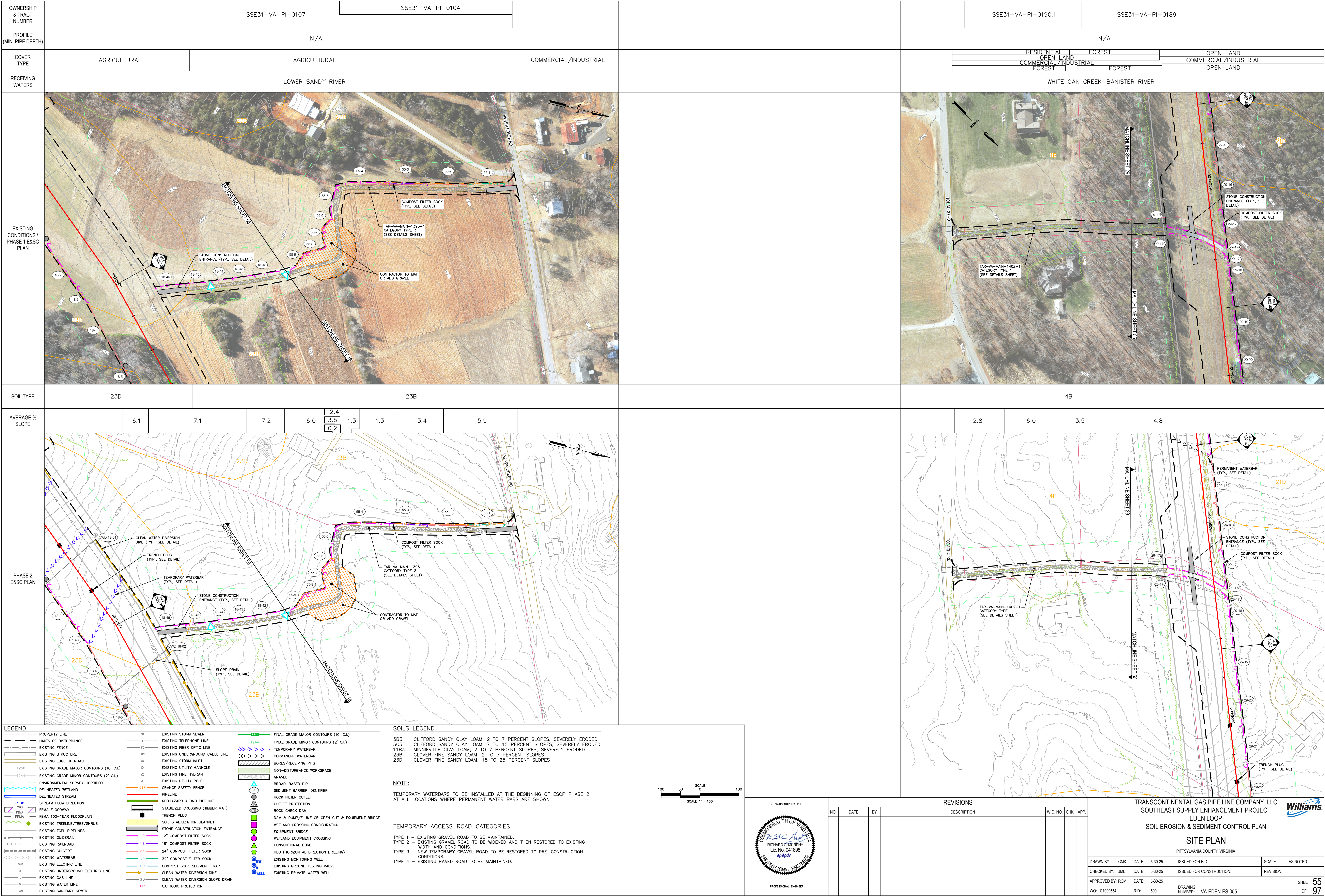
DRAWN BY: CMK DATE: 5-30-25 ISSUED FOR BID: SCALE: AS NOTED

CHECKED BY: JML DATE: 5-30-25 ISSUED FOR CONSTRUCTION: REVISION:

APPROVED BY: RCM DATE: 5-30-25

WO: C1009554 RID: 500 DRAWING NUMBER: VA-EDEN-ES-054

SHEET 54 OF 97



[illegible]

OWNERSHIP & TRACT NUMBER

SSE31-VA-PI-0227

PROFILE (MIN. PIPE DEPTH)

N/A

COVER TYPE

OPEN LAND

RECEIVING WATERS

WHITE OAK CREEK-BANISTER RIVER

EXISTING CONDITIONS / PHASE 1 E&SC PLAN

SOIL TYPE

391B4B

AVERAGE % SLOPE

2.90.91.74.62.7-3.9-6.4-1.71.65.03.51.7-1.1-3.11.3-1.4-1.6-3.53.33.84.8

PHASE 2 E&SC PLAN

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 TPO 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

12"

18"

24"

32"

COMPOST SOOK SEDIMENT TRAP

CLEAN WATER DIVERSION DIKE

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

1B NATHALIE SANDY LOAM, 2 TO 7 PERCENT SLOPES

4B CLIFFORD SANDY LOAM, 2 TO 7 PERCENT SLOPES

5C3 CLIFFORD SANDY CLAY LOAM, 2 TO 7 PERCENT SLOPES, SEVERELY ERODED

39 UDORTHENTS, LOAMY, 0 TO 15 PERCENT SLOPES

NOTE:

TEMPORARY WATERBARS TO BE INSTALLED AT THE BEGINNING OF ESCP PHASE 2 AT ALL LOCATIONS WHERE PERMANENT WATER BARS ARE SHOWN

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.

10050SCALE100

SCALE 1" = 100'

R. CRAIG MURPHY, P.E.

COMMONWEALTH OF VIRGINIA

Richard C. Murphy

LIC. NO. 0418088

04/09/25

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-057

SHEET 57 OF 97

Ownership & Tract Number: SSE31-VA-PI-0228

Profile (Min. Pipe Depth): N/A

Cover Type: OPEN LAND, FOREST

Receiving Waters: WHITE OAK CREEK-BANISTER RIVER

Existing Conditions / Phase 1 E&SC Plan

Soil Type: 4B, 1B

Average % Slope: -0.8, 0.8, -1.6, -3.8, -6.4, -6.2, -2.7, -2.5, 1.3, 3.4, 1.1, -0.7, 1.7, 4.6, -3.6, -4.2, -1.2, -0.6, 0.3, 1.3, 2.6

Phase 2 E&SC Plan

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
- FEMA 100-YEAR FLOODPLAIN
- 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
- 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
- BORERS/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:

- 1B NATHALIE SANDY LOAM, 2 TO 7 PERCENT SLOPES
- 1C NATHALIE SANDY LOAM, 7 TO 15 PERCENT SLOPES
- 4B CLIFFORD SANDY LOAM, 2 TO 7 PERCENT SLOPES
- 8A CORDUS-COMUS COMPLEX, 0 TO 2 PERCENT SLOPES, FREQUENTLY FLOODED
- 11C3 MINNIEVILLE CLAY LOAM, 7 TO 15 PERCENT SLOPES, SEVERELY ERODED

NOTE:

TEMPORARY WATERBARS TO BE INSTALLED AT THE BEGINNING OF ESCP PHASE 2 AT ALL LOCATIONS WHERE PERMANENT WATER BARS ARE SHOWN

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

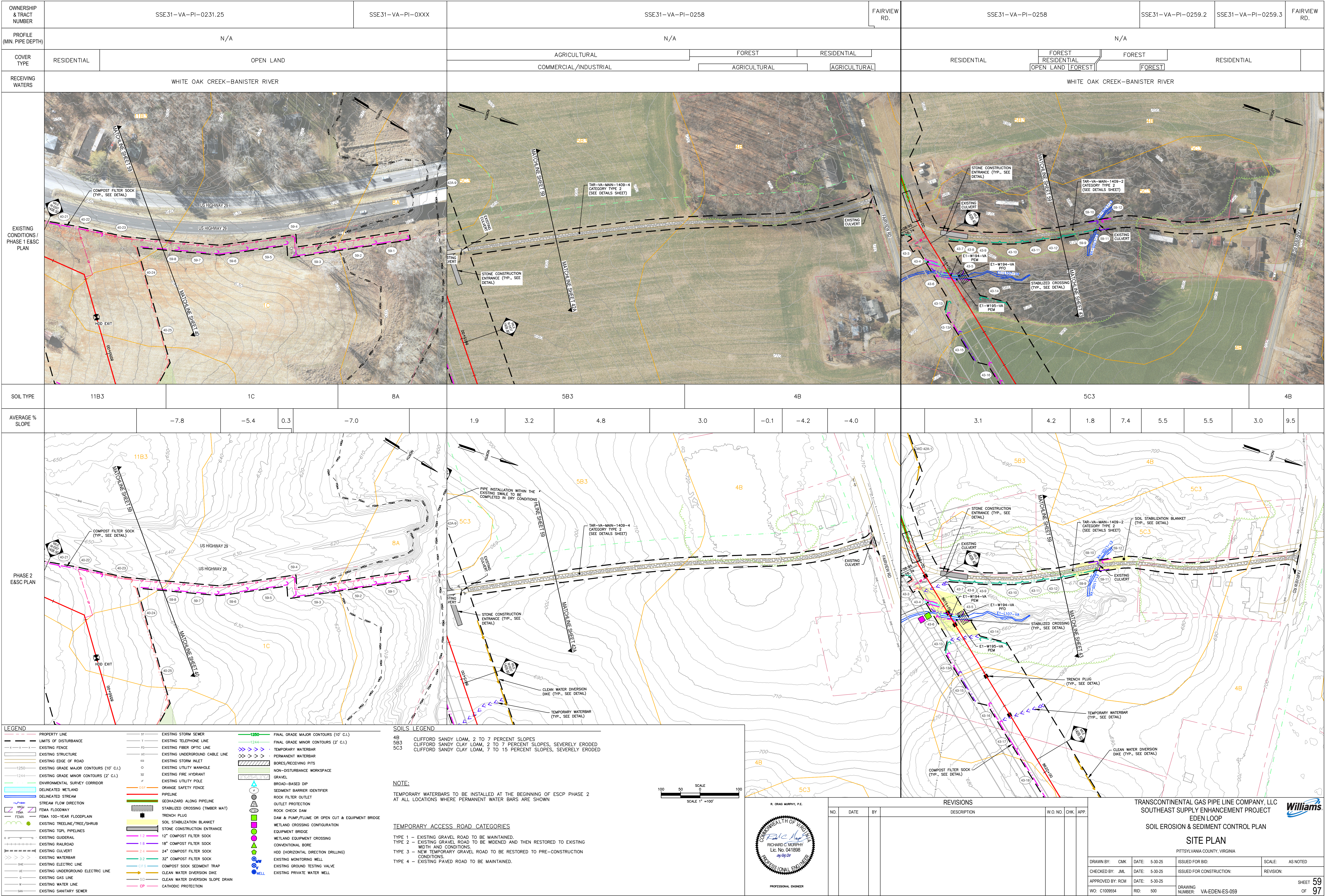
DRAWN BY: CMK
CHECKED BY: JML
APPROVED BY: RCM
WO: C1009554
RID: 500

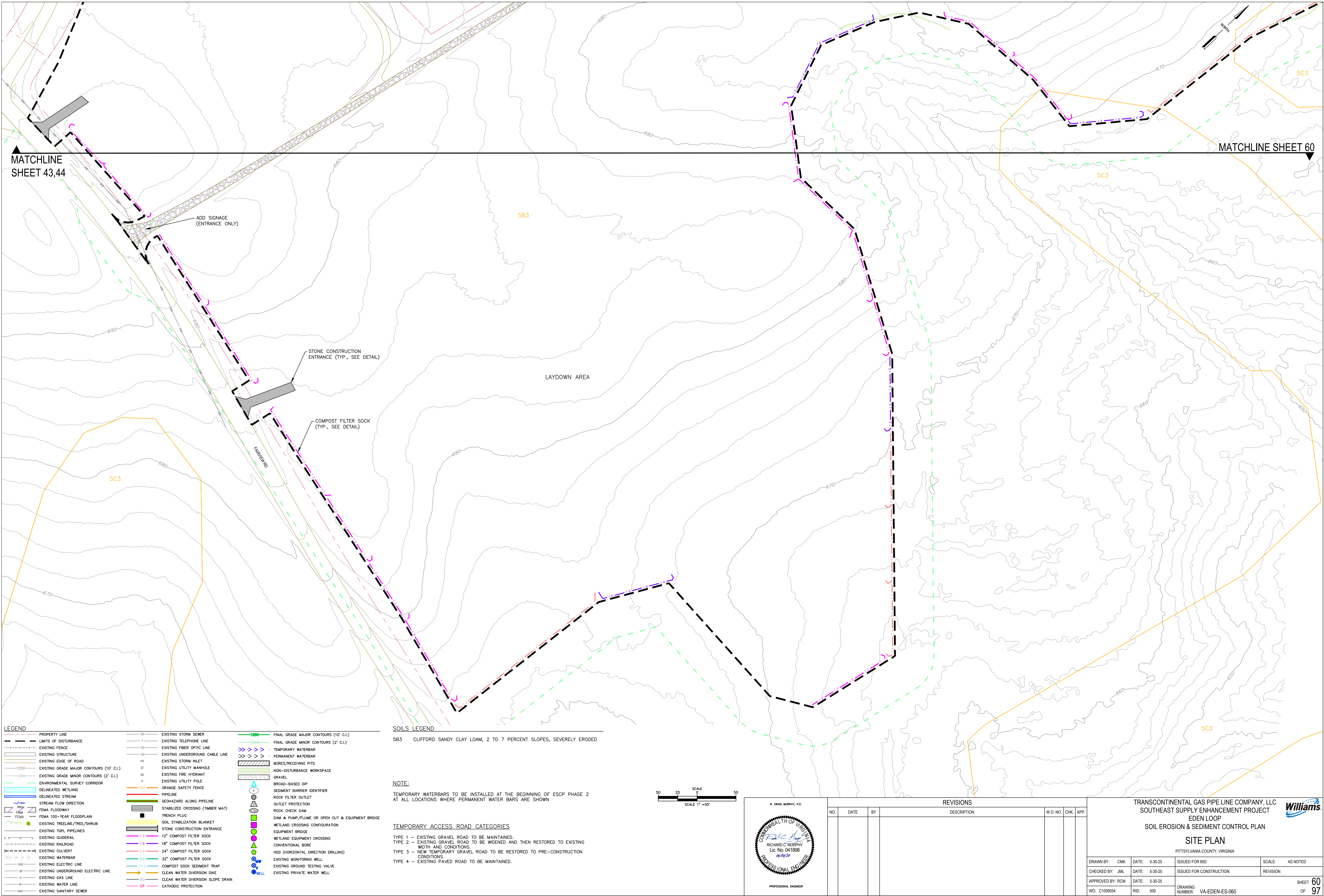
DATE: 5-30-25
DATE: 5-30-25
DATE: 5-30-25

ISSUED FOR BID:
ISSUED FOR CONSTRUCTION:
DRAWING NUMBER: VA-EDEN-ES-058

SCALE: AS NOTED
REVISION:
SHEET 58 OF 59

PROFESSIONAL ENGINEER
R. CRAIG MURPHY, P.E.
RICHARD C. MURPHY
LIC. NO. 0418088
04/09/25





OWNERSHIP & TRACT NUMBER

PROFILE (MIN. PIPE DEPTH)

COVER TYPE

RECEIVING WATERS

EXISTING CONDITIONS / PHASE 1 E&SC PLAN

SSE31-VA-PI-0276

N/A

RESIDENTIAL
OPEN LAND

OPEN LAND
FOREST

OPEN LAND
RESIDENTIAL

OPEN LAND
RESIDENTIAL

CHERRY STONE CREEK

SSE31-VA-PI-0276.2

N/A

AGRICULTURAL

FOREST

RESIDENTIAL

SHOCKOE CREEK-BANISTER RIVER

SOIL TYPE

AVERAGE % SLOPE

PHASE 2 E&SC PLAN

5C3

5B3

5C3

5B3

21D

5B3

10.4

3.6

4.2

-5.5

-3.9

-2.8

-1.7

2.8

3.6

2.6

1.4

9B

5C3

5B3

3.7

2.4

-1.5

0.9

2.5

4.9

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 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

PIPELINE

GEHAZARD ALONG PIPELINE

STABILIZED CROSSING (TIMBER MAT)

TRENCH PLUG

SOIL STABILIZATION BLANKET

STONE CONSTRUCTION ENTRANCE

COMPOST FILTER SOCK

12" COMPOST FILTER SOCK

18" COMPOST FILTER SOCK

24" COMPOST FILTER SOCK

32" COMPOST FILTER SOCK

COMPOST SOCK SEDIMENT TRAP

CLEAN WATER DIVERSION DIKE

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 CROSSING CONFIGURATION

EQUIPMENT BRIDGE

WETLAND EQUIPMENT CROSSING

CONVENTIONAL BORE

HDD (HORIZONTAL DIRECTION DRILLING)

EXISTING MONITORING WELL

EXISTING GROUND TESTING VALVE

CLEAN WATER DIVERSION SLOPE DRAIN

EXISTING PRIVATE WATER WELL

SOILS LEGEND

5B3 CLIFFORD SANDY CLAY LOAM, 2 TO 7 PERCENT SLOPES, SEVERELY ERODED

5C3 CLIFFORD SANDY CLAY LOAM, 7 TO 15 PERCENT SLOPES, SEVERELY ERODED

9B LACKSTOWN FINE SANDY LOAM, 2 TO 7 PERCENT SLOPES

9C LACKSTOWN FINE SANDY LOAM, 7 TO 15 PERCENT SLOPES

NOTE:

TEMPORARY WATERBARS TO BE INSTALLED AT THE BEGINNING OF ESCP PHASE 2 AT ALL LOCATIONS WHERE PERMANENT WATER BARS ARE SHOWN

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.

SCALE

1" = 100'

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

WO: C1009554 RID: 500 DRAWING NUMBER: VA-EDEN-ES-061

SHEET 61 OF 97

