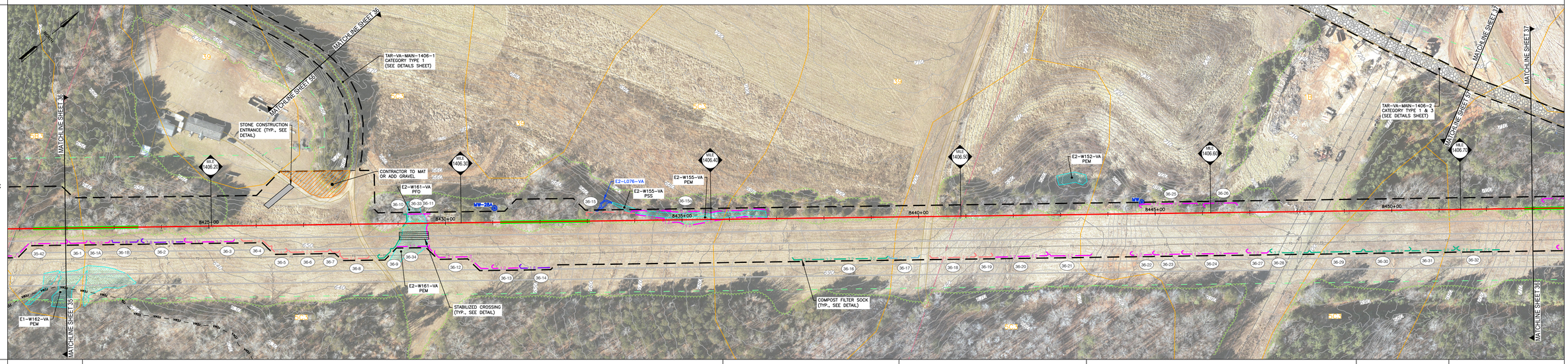
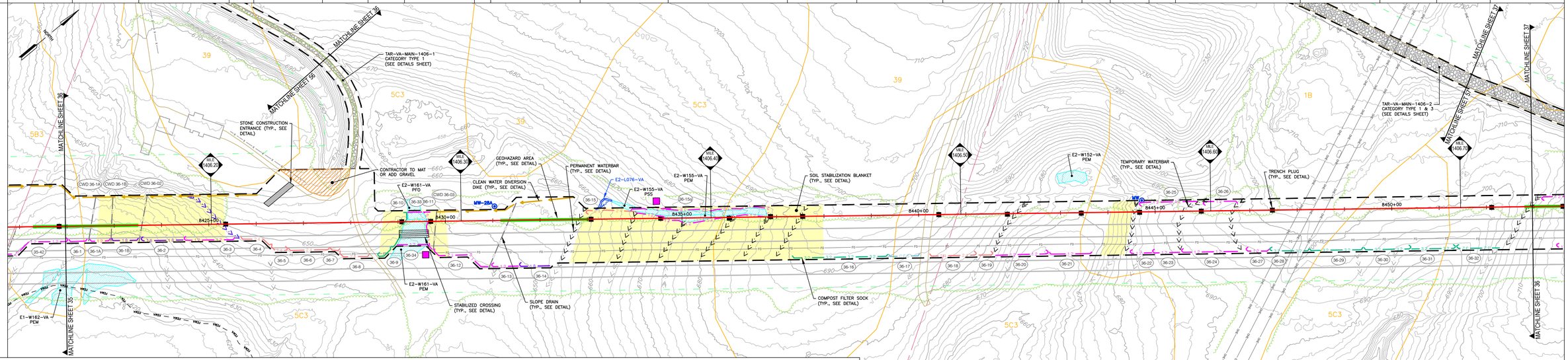
OWNERSHIP & TRACT NUMBER	SSE31–VA–PI–0226	SSE31–VA–PI–0227															SSE31–VA–PI–0228						
PROFILE (MIN. PIPE DEPTH)	3'																						
COVER TYPE	OPEN LAND	FOREST	OPEN LAND	FOREST	WETLAND	OPEN LAND			WETLAND	OPEN LAND			FOREST				AGRICULTURAL	OPEN LAND		FOREST			
RECEIVING WATERS	WHITE OAK CREEK–BANISTER RIVER																						
SOIL TYPE	5B3	5C3									39			5C3			1B					5C3	4B
AVERAGE % SLOPE	–3.3	1.2	9.4	3.9	1.3	–2.2	–5.9	3.3	–1.4	2.2	8.6	7.2		4.5	–2.6	–8.2	–3.6	2.7	19.8	7.0	4.5	–2.2	–0.4	–2.3	10.4

EXISTING CONDITIONS / PHASE 1 E&SC PLAN



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
- 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
- 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
- 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
5B3	CLIFFORD SANDY CLAY LOAM, 2 TO 7 PERCENT SLOPES, SEVERELY ERODED
5C3	CLIFFORD SANDY CLAY LOAM, 7 TO 15 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

SCALE
100 50 0 100
SCALE 1" =100'

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.

R. CRAIG MURPHY, P.E.

COMMONWEALTH OF VIRGINIA
RICHARD C. MURPHY
Lic. No. 041898
05/05/25
PROFESSIONAL ENGINEER

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

Williams

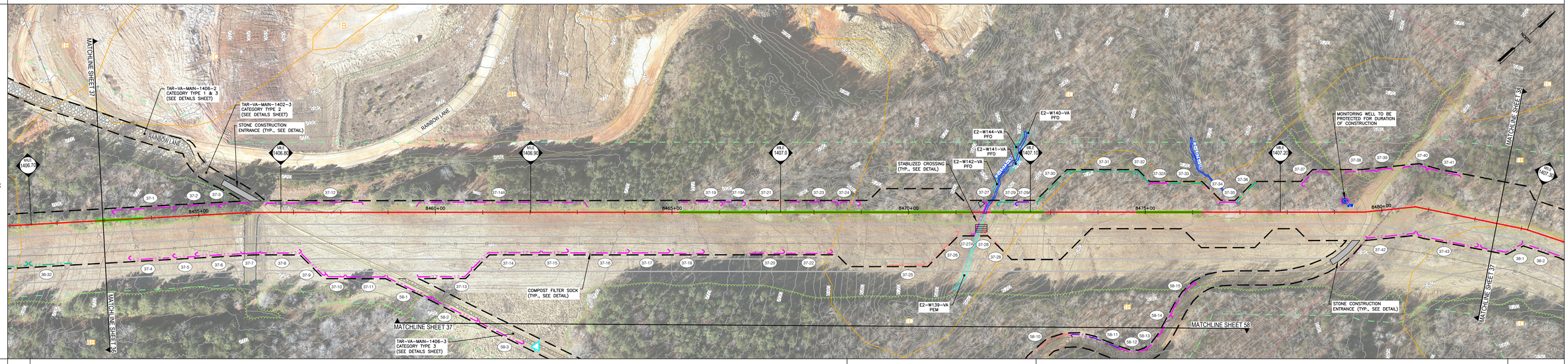
SITE PLAN

PITTSYLVANIA COUNTY, VIRGINIA

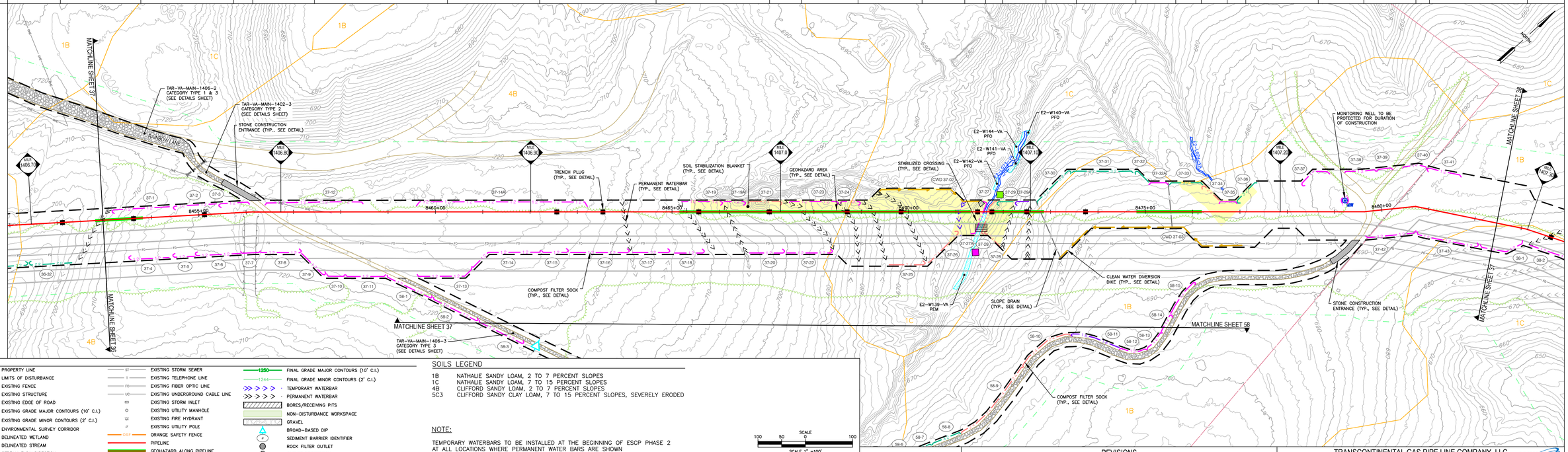
DRAWN BY: CMK	DATE: 5-30-25	ISSUED FOR BID:	SCALE: AS NOTED
CHECKED BY: JML	DATE: 5-30-25	ISSUED FOR CONSTRUCTION:	REVISION:
APPROVED BY: RCM	DATE: 5-30-25		SHEET 36
WO: C1009554	RID: 500	DRAWING NUMBER: VA-EDEN-ES-036	OF 97

OWNERSHIP & TRACT NUMBER	SSE31-VA-PI-0228																											SSE31-VA-PI-0229
PROFILE (MIN. PIPE DEPTH)	3'															4'	3'											
COVER TYPE	FOREST				OPEN LAND											OPEN WATER	OPEN LAND											
RECEIVING WATERS	WHITE OAK CREEK-BANISTER RIVER																											
SOIL TYPE	5C3				4B											1C	1B											1C
AVERAGE % SLOPE	-2.3	10.4	3.6	5.7	1.3	0.7	0.0	-4.8	-7.5	-6.2	-10.0	-16.3	-8.7	-18.3	27.2	17.3	9.4	3.3	-2.6	3.6	-1.2	1.7	6.5	2.8	0.3	-2.1	-2.8	-3.2

EXISTING CONDITIONS / PHASE 1 E&SC PLAN



PHASE 2 E&SC PLAN



LEGEND

- PROPERTY LINE
- LIMITS OF DISTURBANCE
- EXISTING FENCE
- EXISTING STRUCTURE
- EXISTING EDGE OF ROAD
- 1250 EXISTING GRADE MAJOR CONTOURS (10' C.I.)
- 1244 EXISTING GRADE MINOR CONTOURS (2' C.I.)
- ENVIRONMENTAL SURVEY CORRIDOR
- DELINEATED WETLAND
- DELINEATED STREAM
- STREAM FLOW DIRECTION
- VDSF FEMA FLOODWAY
- FEMA FEMA 100-YEAR FLOODPLAIN
- EXISTING TREELINE/TREE/SHRUB
- EXISTING TGPL PIPELINES
- EXISTING GUIDERAIL
- EXISTING RAILROAD
- EXISTING CULVERT
- EXISTING WATERBAR
- OHE EXISTING ELECTRIC LINE
- UE EXISTING UNDERGROUND ELECTRIC LINE
- G EXISTING GAS LINE
- W EXISTING WATER LINE
- SAN EXISTING SANITARY SEWER
- ST EXISTING STORM SEWER
- T EXISTING TELEPHONE LINE
- FO EXISTING FIBER OPTIC LINE
- UC EXISTING UNDERGROUND CABLE LINE
- EXISTING STORM INLET
- EXISTING UTILITY MANHOLE
- EXISTING FIRE HYDRANT
- EXISTING UTILITY POLE
- OSF ORANGE SAFETY FENCE
- PIPELINE
- GEOHAZARD ALONG PIPELINE
- STABILIZED CROSSING (TIMBER MAT)
- TRENCH PLUG
- SOIL STABILIZATION BLANKET
- STONE CONSTRUCTION ENTRANCE
- 12 12" COMPOST FILTER SOCK
- 18 18" COMPOST FILTER SOCK
- 24 24" COMPOST FILTER SOCK
- 32 32" COMPOST FILTER SOCK
- CFS COMPOST SOCK SEDIMENT TRAP
- CLEAN WATER DIVERSION DIKE
- SD CLEAN WATER DIVERSION SLOPE DRAIN
- CP CATHODIC PROTECTION
- 1250 FINAL GRADE MAJOR CONTOURS (10' C.I.)
- 1244 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)
- MW EXISTING MONITORING WELL
- GV EXISTING GROUND TESTING VALVE
- WELL 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
5C3	CLIFFORD SANDY 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.

SCALE
100 50 0 100
SCALE 1" =100'

R. CRAIG MURPHY, P.E.

COMMONWEALTH OF VIRGINIA
RICHARD C. MURPHY
Lic. No. 041898
05/05/25
PROFESSIONAL ENGINEER

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

Williams

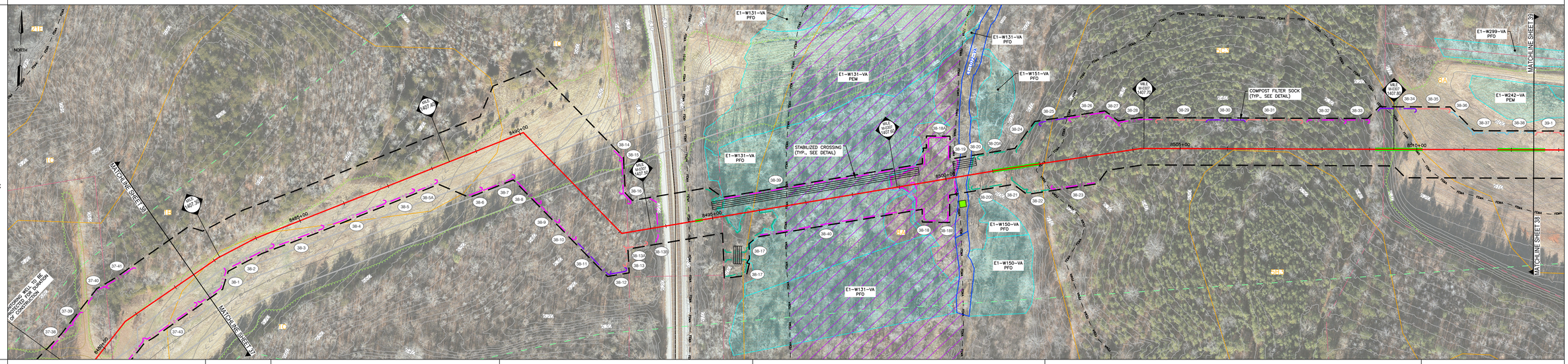
SITE PLAN

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-037	SHEET 37 OF 97

OWNERSHIP & TRACT NUMBER	SSE31–VA–PI–0228	SSE31–VA–PI–0229	SSE31–VA–PI–0230	SSE31–VA–PI–0231	SSE31–VA–PI–0231.2
PROFILE (MIN. PIPE DEPTH)	3'	12' / 22'	3' / 4'	3'	4'
COVER TYPE	OPEN LAND	FOREST / OPEN LAND / COMMERCIAL/INDUSTRIAL / FOREST / WETLAND / FOREST / WETLAND / FOREST / WETLAND / FOREST	OPEN WATER	FOREST	OPEN LAND
RECEIVING WATERS	WHITE OAK CREEK–BANISTER RIVER				

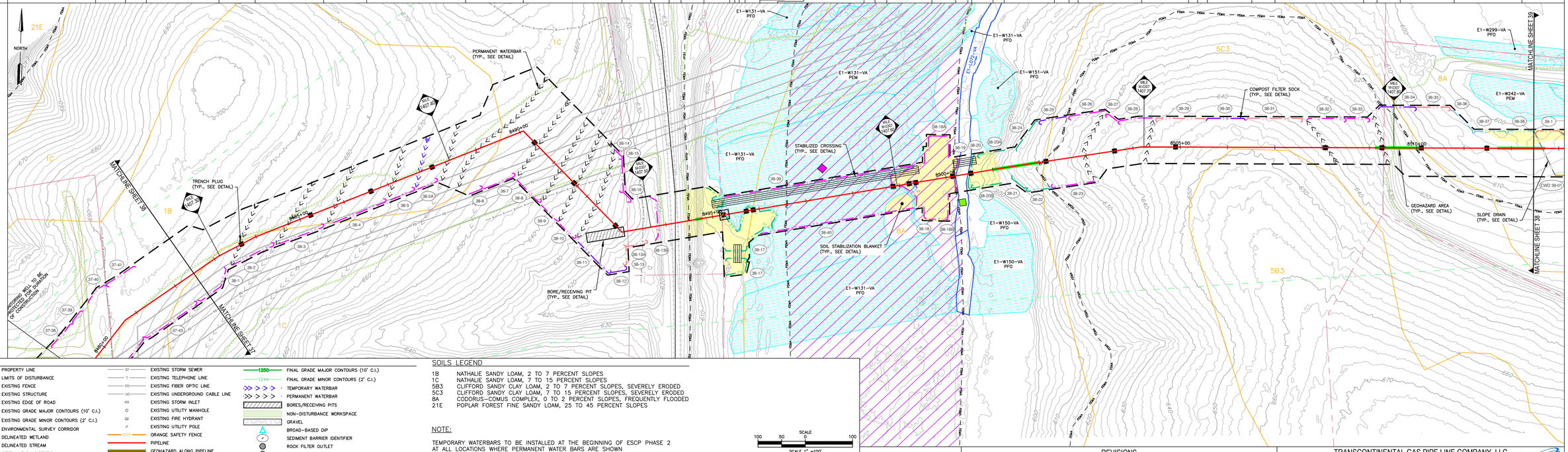
EXISTING CONDITIONS / PHASE 1 E&SC PLAN



SOIL TYPE	1B	1C	1B	1C	8A	5C3	8A

AVERAGE % SLOPE		0.3	–2.1	–2.8	–3.2	–5.1	–4.3	–5.3	–2.3	–11.5	–14.6	30.9	0.0	–50.8	–9.0	–0.3	–1.0	1.1	0.6	–0.5	–1.1	0.6	–0.5	1.5	–2.8	–0.1	50.8	12.8	25.5	14.9	6.5	20.5	6.9	4.6	10.9	–2.3	2.2	–3.3	–8.5	–7.1	–24.5	–8.8	–4.2	3.1

PHASE 2 E&SC PLAN



LEGEND

- PROPERTY LINE
- LIMITS OF DISTURBANCE
- EXISTING FENCE
- EXISTING STRUCTURE
- EXISTING EDGE OF ROAD
- 1250 EXISTING GRADE MAJOR CONTOURS (10' C.I.)
- 1244 EXISTING GRADE MINOR CONTOURS (2' C.I.)
- ENVIRONMENTAL SURVEY CORRIDOR
- DELINEATED WETLAND
- DELINEATED STREAM
- STREAM FLOW DIRECTION
- VFSZ FEMA FLOODWAY
- FEMA FEMA 100–YEAR FLOODPLAIN
- EXISTING TREELINE/TREE/SHRUB
- EXISTING TGPL PIPELINES
- EXISTING GUIDERAIL
- EXISTING RAILROAD
- EXISTING CULVERT
- EXISTING WATERBAR
- OHE EXISTING ELECTRIC LINE
- UE EXISTING UNDERGROUND ELECTRIC LINE
- G EXISTING GAS LINE
- W EXISTING WATER LINE
- SAN EXISTING SANITARY SEWER
- ST EXISTING STORM SEWER
- T EXISTING TELEPHONE LINE
- FO EXISTING FIBER OPTIC LINE
- UC EXISTING UNDERGROUND CABLE LINE
- EXISTING STORM INLET
- EXISTING UTILITY MANHOLE
- EXISTING FIRE HYDRANT
- EXISTING UTILITY POLE
- OSF ORANGE SAFETY FENCE
- PIPELINE
- GEOHAZARD ALONG PIPELINE
- STABILIZED CROSSING (TIMBER MAT)
- TRENCH PLUG
- SOIL STABILIZATION BLANKET
- STONE CONSTRUCTION ENTRANCE
- 12 12" COMPOST FILTER SOCK
- 18 18" COMPOST FILTER SOCK
- 24 24" COMPOST FILTER SOCK
- 32 32" COMPOST FILTER SOCK
- CFS COMPOST SOCK SEDIMENT TRAP
- CLEAN WATER DIVERSION DIKE
- SD CLEAN WATER DIVERSION SLOPE DRAIN
- CP CATHODIC PROTECTION
- 1250 FINAL GRADE MAJOR CONTOURS (10' C.I.)
- 1244 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)
- MW EXISTING MONITORING WELL
- GV EXISTING GROUND TESTING VALVE
- WELL EXISTING PRIVATE WATER WELL

SOILS LEGEND

1B	NATHALIE SANDY LOAM, 2 TO 7 PERCENT SLOPES
1C	NATHALIE 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
8A	CODORUS–COMUS COMPLEX, 0 TO 2 PERCENT SLOPES, FREQUENTLY FLOODED
21E	POPLAR FOREST FINE SANDY LOAM, 25 TO 45 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
100 50 0 100
SCALE 1" =100'

R. CRAIG MURPHY, P.E.

COMMONWEALTH OF VIRGINIA
RICHARD C. MURPHY
Lic. No. 041898
05/30/25
PROFESSIONAL ENGINEER

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

Williams

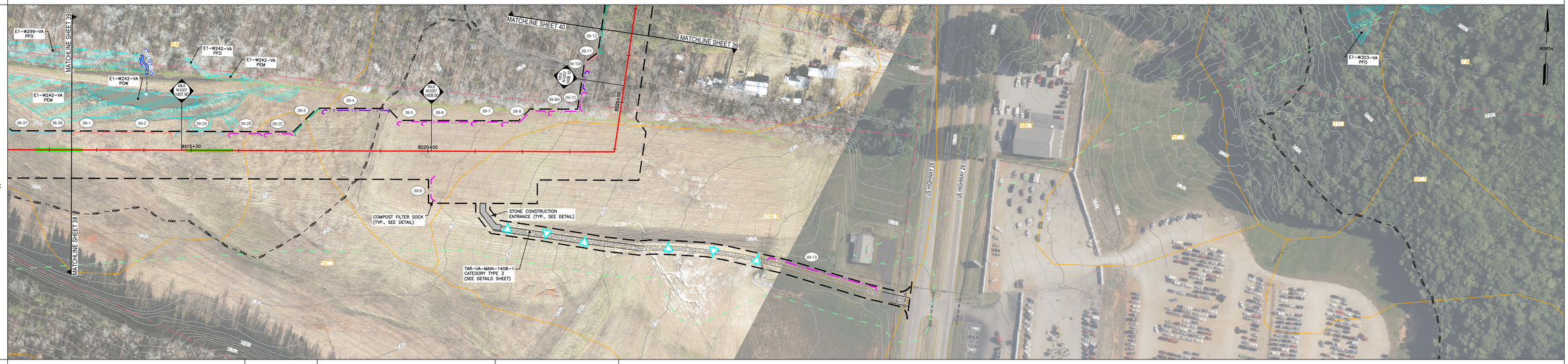
SITE PLAN

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		SHEET 38
WO: C1009554	RID: 500	DRAWING NUMBER: VA-EDEN-ES-038	OF 97

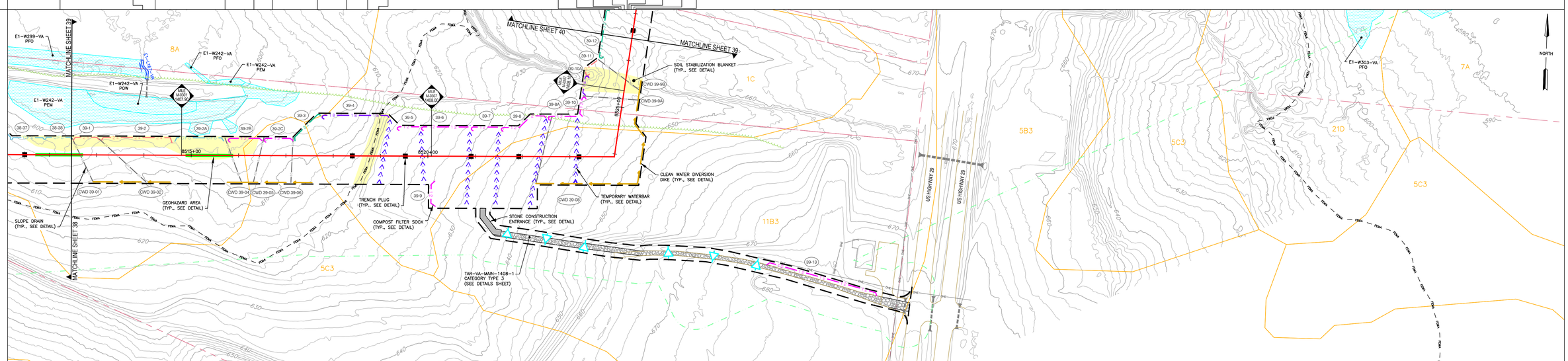
OWNERSHIP & TRACT NUMBER	SSE31–VA–PI–0231.2	SSE31–VA–PI–0231.3
PROFILE (MIN. PIPE DEPTH)	3'	4'
COVER TYPE	OPEN LAND	FOREST
RECEIVING WATERS	WHITE OAK CREEK–BANISTER RIVER	

EXISTING CONDITIONS / PHASE 1 E&SC PLAN



SOIL TYPE	8A	5C3	1C	11B3	1C
AVERAGE % SLOPE	–4.2 3.1 –5.3 –1.3 3.1	5.2 2.1	3.2 8.6 26.8	–2.8 3.8 –3.8 2.9 –1.8 2.8 13.6 7.1	

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
- 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
- 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
- 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

5B3 CLIFFORD SANDY CLAY LOAM, 2 TO 7 PERCENT SLOPES, SEVERELY ERODED
5C3 CLIFFORD SANDY CLAY LOAM, 7 TO 15 PERCENT SLOPES, SEVERELY ERODED
8A CODORUS–COMUS COMPLEX, 0 TO 2 PERCENT SLOPES, FREQUENTLY FLOODED

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'

R. CRAIG MURPHY, P.E.

COMMONWEALTH OF VIRGINIA
RICHARD C. MURPHY
Lic. No. 041686
09/08/20
PROFESSIONAL ENGINEER

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

Williams

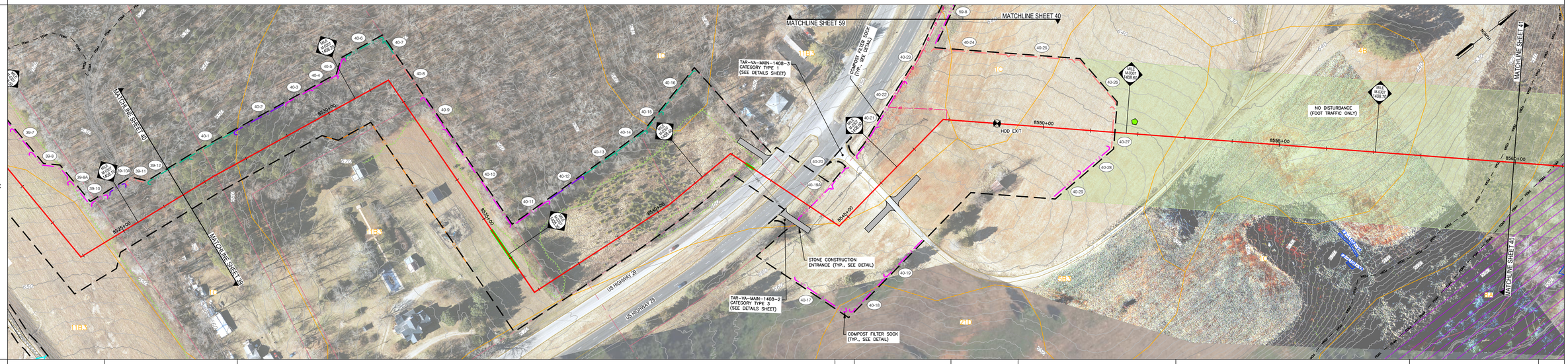
SITE PLAN

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-039	SHEET 39 OF 97

OWNERSHIP & TRACT NUMBER	SSE31-VA-PI-0231.2	SSE31-VA-PI-0231.3	SSE31-VA-PI-0231.4	SSE31-VA-PI-0231.5	SSE31-VA-PI-0231.13	SSE31-VA-PI-0231.23	SSE31-VA-PI-0236	SSE31-VA-PI-0231.25
PROFILE (MIN. PIPE DEPTH)	4'	3'		4'	3'		5'	3'	HDD
COVER TYPE	OPEN LAND	FOREST		RESIDENTIAL	FOREST / OPEN LAND	COMMERCIAL/ INDUSTRIAL	OPEN LAND / COMMERCIAL/ INDUSTRIAL	OPEN LAND / RESIDENTIAL / OPEN LAND
RECEIVING WATERS	WHITE OAK CREEK-BANISTER RIVER							

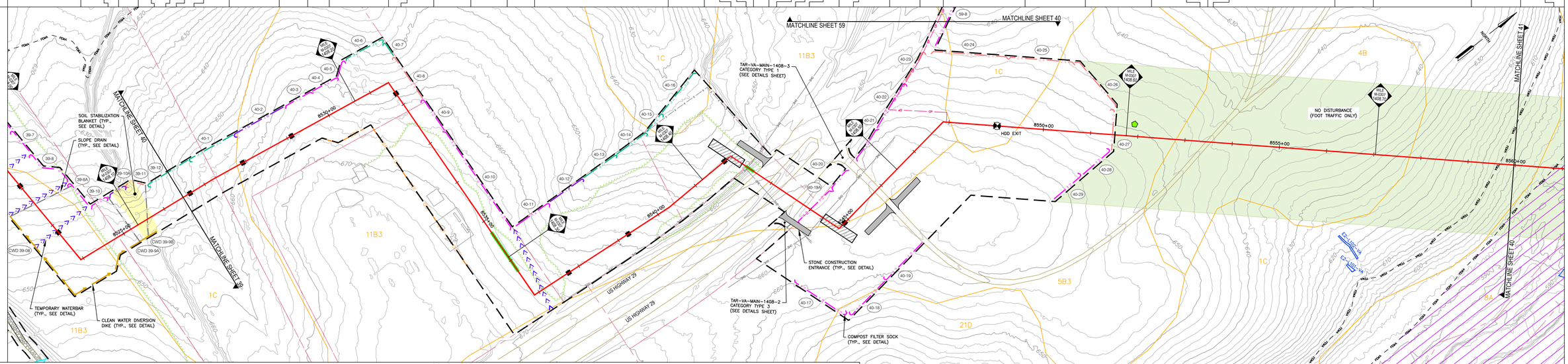
EXISTING CONDITIONS / PHASE 1 E&SC PLAN



SOIL TYPE	11B3	1C	11B3	5B3	11B3	1C	5B3	4B	1C	8A

AVERAGE % SLOPE	5.1	-2.8	3.8	-3.8	2.9	-1.8	2.8	13.6	7.1	4.9	2.9	-4.0	-5.5	13.0	3.3	1.4	-1.1	1.4	-4.3	-7.3	0.2	11.4	38.4	6.9	-17.5	8.8	-9.7	4.4	-0.1	2.0	-1.6	-5.4	-1.3	-3.1	-1.4	-5.8	5.2	-7.4	-2.3	-4.9	-9.6	-15.1	-9.5	-1.9

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
- 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
- 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
- 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

5B3 CLIFFORD SANDY CLAY LOAM, 2 TO 7 PERCENT SLOPES, SEVERELY ERODED
5C3 CLIFFORD SANDY 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.

SCALE
100 50 0 100
SCALE 1" =100'

R. CRAIG MURPHY, P.E.

COMMONWEALTH OF VIRGINIA
RICHARD C. MURPHY
Lic. No. 041898
05/05/25
PROFESSIONAL ENGINEER

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

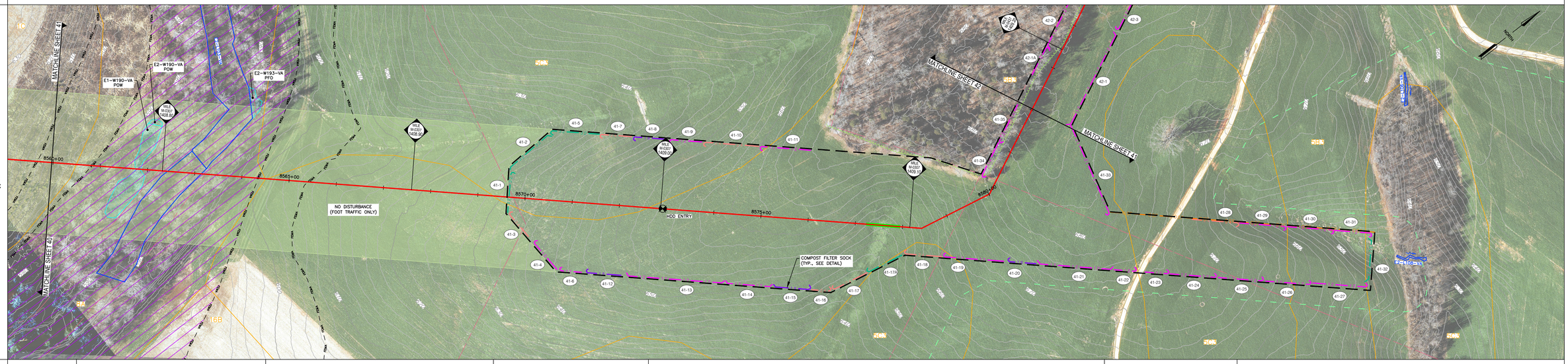
SITE PLAN

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		
WO: C1009554	RID: 500	DRAWING NUMBER: VA-EDEN-ES-040	SHEET 40 OF 97

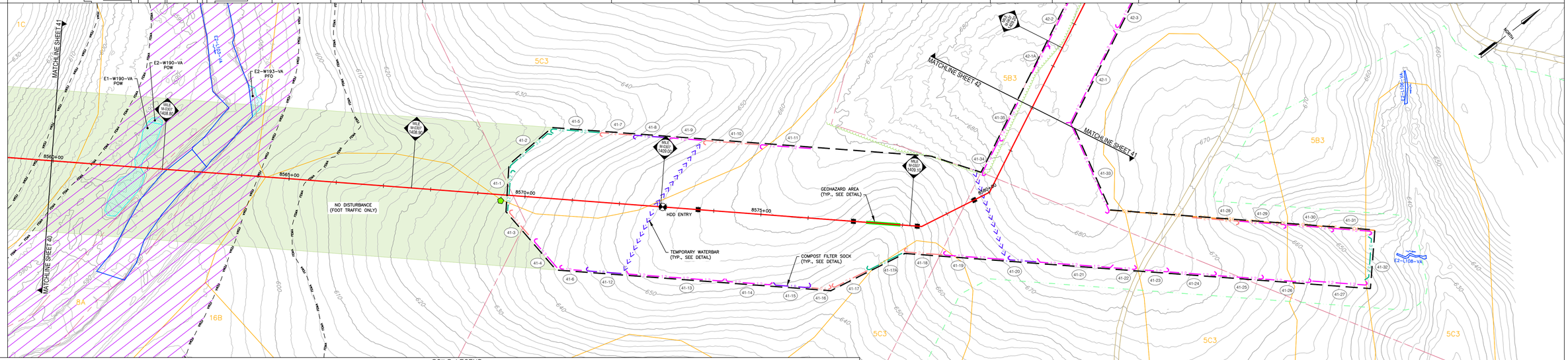
OWNERSHIP & TRACT NUMBER	SSE31–VA–PI–0231.25	BANISTER RIVER	SSE31–VA–PI–0231.27	SSE31–VA–PI–0243	SSE31–VA–PI–0231.26	SSE31–VA–PI–0260
PROFILE (MIN. PIPE DEPTH)	HDD			4'		
COVER TYPE	OPEN LAND / FOREST / WETLAND / FOREST / OPEN WATER / FOREST			AGRICULTURAL		
RECEIVING WATERS	WHITE OAK CREEK–BANISTER RIVER					

EXISTING CONDITIONS / PHASE 1 E&SC PLAN



SOIL TYPE	1C	8A	5B3	5C3	5B3	5C3	5B3
AVERAGE % SLOPE	–15.1	–9.5 –1.9 –18.9 15.1 0.1 –115.5 0.0 59.0 3.8 –3.0 8.3	6.5 3.0 6.3	7.0	5.4 2.1 –2.2 –7.7 7.1 10.8 5.9 –3.3	–1.1 1.5	–4.5 –12.3 –4.3

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
- 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
- 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
- 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

5B3 CLIFFORD SANDY CLAY LOAM, 2 TO 7 PERCENT SLOPES, SEVERELY ERODED
5C3 CLIFFORD SANDY CLAY LOAM, 7 TO 15 PERCENT SLOPES, SEVERELY ERODED
W WATER

NOTE:

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

SCALE
100 50 0 100
SCALE 1" =100'

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.

R. CRAIG MURPHY, P.E.

COMMONWEALTH OF VIRGINIA
RICHARD C. MURPHY
Lic. No. 041898
05/30/25
PROFESSIONAL ENGINEER

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

Williams

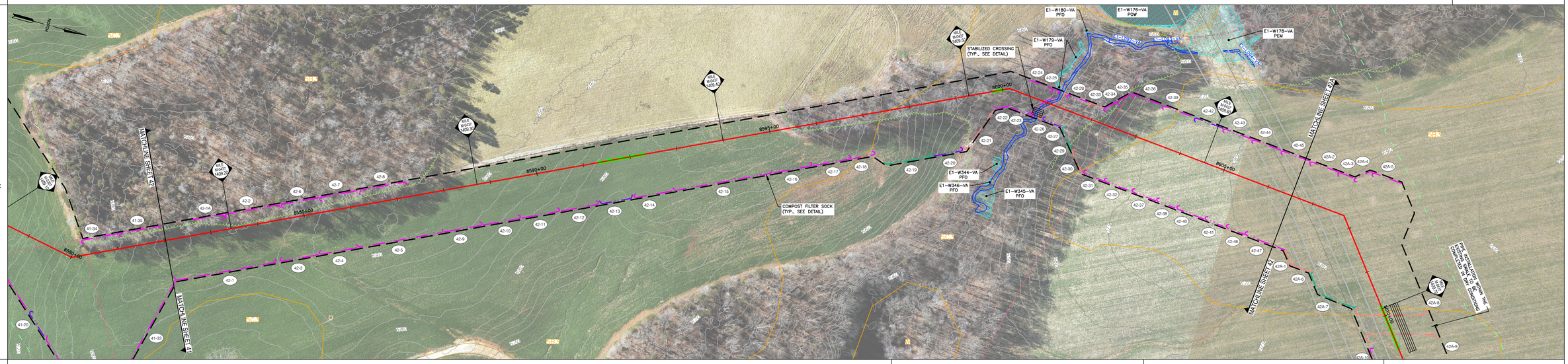
SITE PLAN

PITTSYLVANIA COUNTY, VIRGINIA

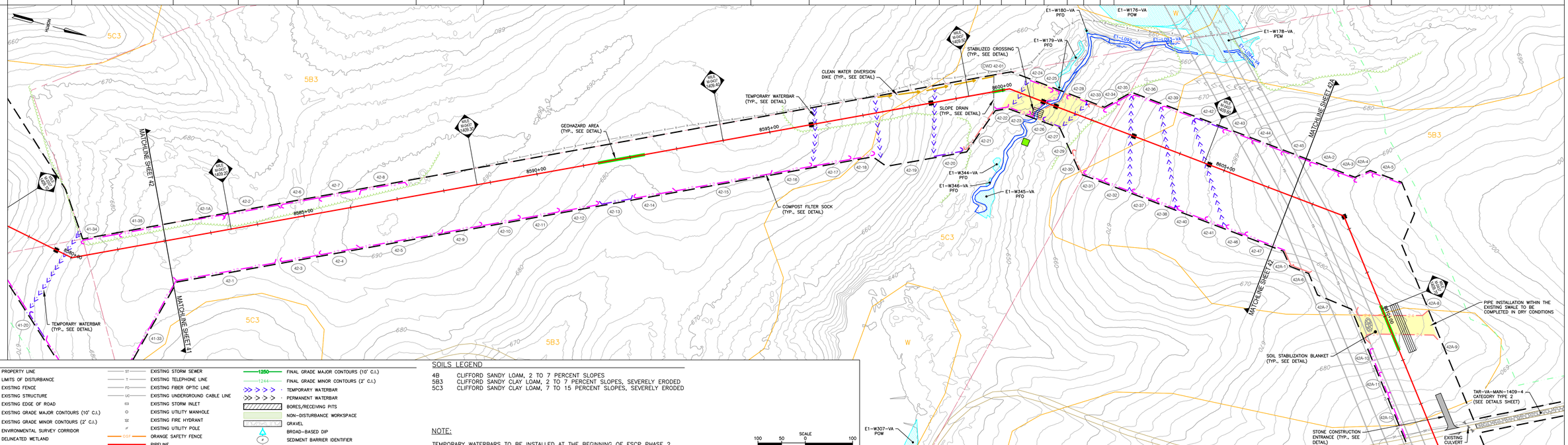
DRAWN BY: CMK	DATE: 5-30-25	ISSUED FOR BID:	SCALE: AS NOTED
CHECKED BY: JML	DATE: 5-30-25	ISSUED FOR CONSTRUCTION:	REVISION:
APPROVED BY: RCM	DATE: 5-30-25		
WO: C1009554	RID: 500	DRAWING NUMBER: VA-EDEN-ES-041	SHEET 41 OF 97

OWNERSHIP & TRACT NUMBER	SSE31–VA–PI–0243	SSE31–VA–PI–0231.26	SSE31–VA–PI–0260																							SSE31–VA–PI–0258		
PROFILE (MIN. PIPE DEPTH)	4'																									15'		4'
COVER TYPE	AGRICULTURAL																			FOREST		OPEN WATER	FOREST	AGRICULTURAL				
RECEIVING WATERS	WHITE OAK CREEK–BANISTER RIVER																											CHERRYSTONE CREEK
SOIL TYPE	5B3																			5C3				5B3				5C3
AVERAGE % SLOPE	10.8	4.0	–1.5	1.7	2.2	–1.1	–3.1	1.6	–2.3	–7.0	–15.2	–4.4	1.6	–5.3	–27.0	–7.2	–24.6	18.5	16.2	9.4	5.8			3.6			–3.1	–5.5	5.7

EXISTING CONDITIONS / PHASE 1 E&SC PLAN



PHASE 2 E&SC PLAN



LEGEND

- PROPERTY LINE
- LIMITS OF DISTURBANCE
- EXISTING FENCE
- EXISTING STRUCTURE
- EXISTING EDGE OF ROAD
- 1250 EXISTING GRADE MAJOR CONTOURS (10' C.I.)
- 1244 EXISTING GRADE MINOR CONTOURS (2' C.I.)
- ENVIRONMENTAL SURVEY CORRIDOR
- DELINEATED WETLAND
- DELINEATED STREAM
- STREAM FLOW DIRECTION
- VFSM FEMA FEMA FLOODWAY
- FEMA FEMA 100–YEAR FLOODPLAIN
- EXISTING TREELINE/TREE/SHRUB
- EXISTING TGPL PIPELINES
- EXISTING GUIDERAIL
- EXISTING RAILROAD
- EXISTING CULVERT
- EXISTING WATERBAR
- OHE EXISTING ELECTRIC LINE
- UE EXISTING UNDERGROUND ELECTRIC LINE
- G EXISTING GAS LINE
- W EXISTING WATER LINE
- SAN EXISTING SANITARY SEWER
- ST EXISTING STORM SEWER
- T EXISTING TELEPHONE LINE
- FO EXISTING FIBER OPTIC LINE
- UC EXISTING UNDERGROUND CABLE LINE
- EXISTING STORM INLET
- EXISTING UTILITY MANHOLE
- EXISTING FIRE HYDRANT
- EXISTING UTILITY POLE
- OSF ORANGE SAFETY FENCE
- PIPELINE
- GEOHAZARD ALONG PIPELINE
- STABILIZED CROSSING (TIMBER MAT)
- TRENCH PLUG
- SOIL STABILIZATION BLANKET
- STONE CONSTRUCTION ENTRANCE
- 12 12" COMPOST FILTER SOCK
- 18 18" COMPOST FILTER SOCK
- 24 24" COMPOST FILTER SOCK
- 32 32" COMPOST FILTER SOCK
- CFS COMPOST SOCK SEDIMENT TRAP
- CLEAN WATER DIVERSION DIKE
- SD CLEAN WATER DIVERSION SLOPE DRAIN
- CP CATHODIC PROTECTION
- 1250 FINAL GRADE MAJOR CONTOURS (10' C.I.)
- 1244 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)
- MW EXISTING MONITORING WELL
- GV EXISTING GROUND TESTING VALVE
- WELL EXISTING PRIVATE WATER WELL

SOILS LEGEND

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

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
100 50 0 100
SCALE 1" =100'

R. CRAIG MURPHY, P.E.

COMMONWEALTH OF VIRGINIA
RICHARD C. MURPHY
Lic. No. 041898
09/09/24
PROFESSIONAL ENGINEER

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

Williams

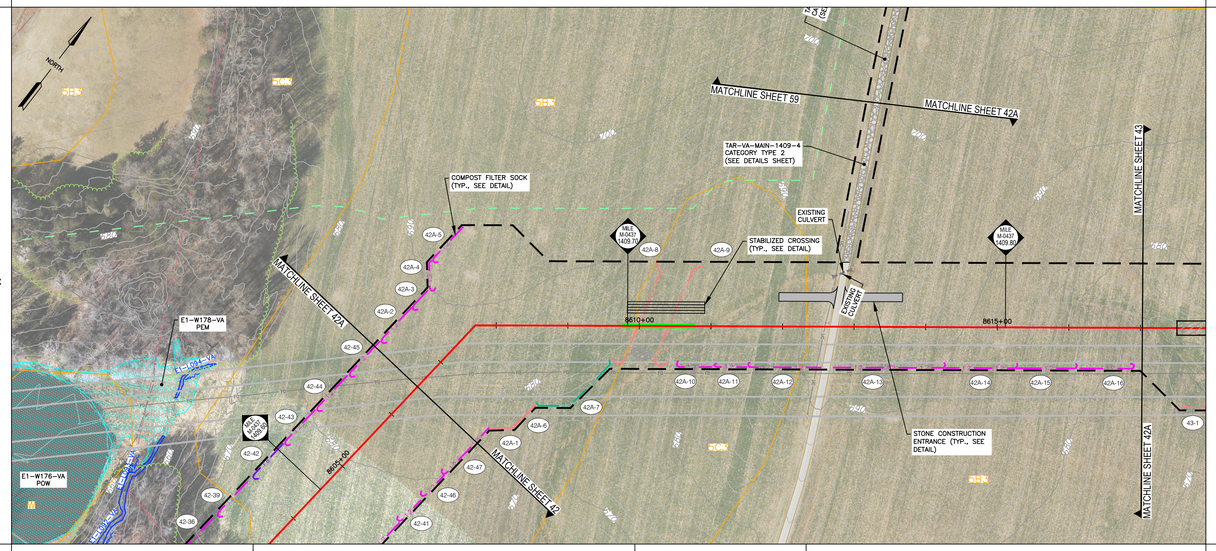
SITE PLAN

PITTSYLVANIA COUNTY, VIRGINIA

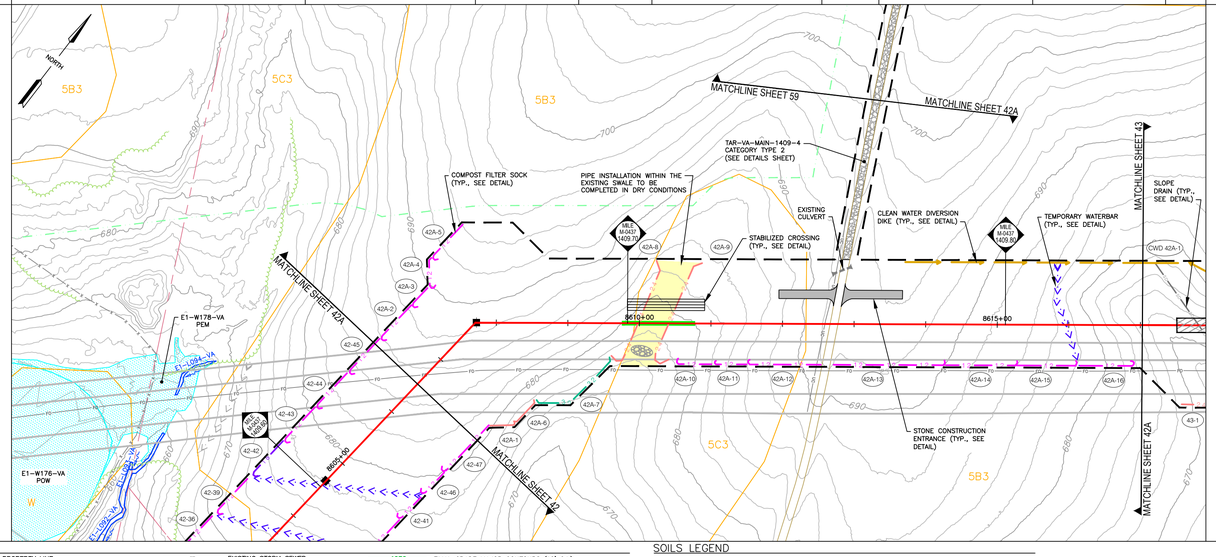
DRAWN BY: CMK	DATE: 5-30-25	ISSUED FOR BID:		SCALE: AS NOTED	
CHECKED BY: JML	DATE: 5-30-25	ISSUED FOR CONSTRUCTION:		REVISION:	
APPROVED BY: RCM	DATE: 5-30-25				SHEET 42
WO: C1009554	RID: 500	DRAWING NUMBER:	VA-EDEN-ES-042		OF 97

OWNERSHIP & TRACT NUMBER	SSE31–VA–PI–0258								
PROFILE (MIN. PIPE DEPTH)	4'	15'	4'						
COVER TYPE	AGRICULTURAL				COMMERCIAL/INDUSTRIAL	AGRICULTURAL			
RECEIVING WATERS	WHITE OAK CREEK–BANISTER RIVER								
SOIL TYPE	5C3	5B3			5C3	5B3			
AVERAGE % SLOPE	5.8	3.6	–3.1	–5.5	5.7	1.7	–3.4	–8.0	5.0

EXISTING CONDITIONS / PHASE 1 E&SC PLAN



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
- 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
- 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
- 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
5B3	CLIFFORD SANDY CLAY LOAM, 2 TO 7 PERCENT SLOPES, SEVERELY ERODED
5C3	CLIFFORD SANDY 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.

SCALE
100 50 0 100
SCALE 1" =100'

R. CRAIG MURPHY, P.E.
COMMONWEALTH OF VIRGINIA
RICHARD C. MURPHY
Lic. No. 041898
05/30/25
PROFESSIONAL ENGINEER
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

Williams

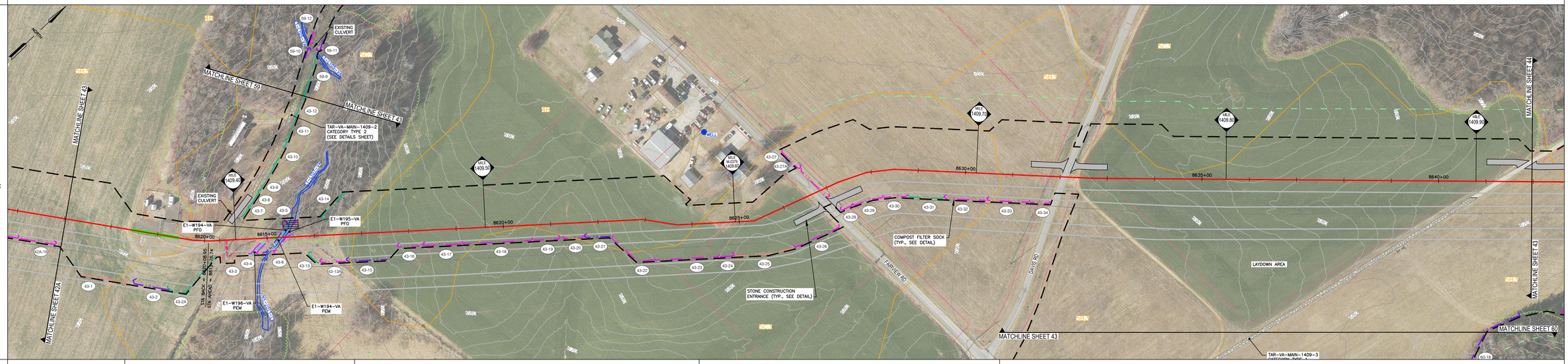
SITE PLAN

PITTSYLVANIA COUNTY, VIRGINIA

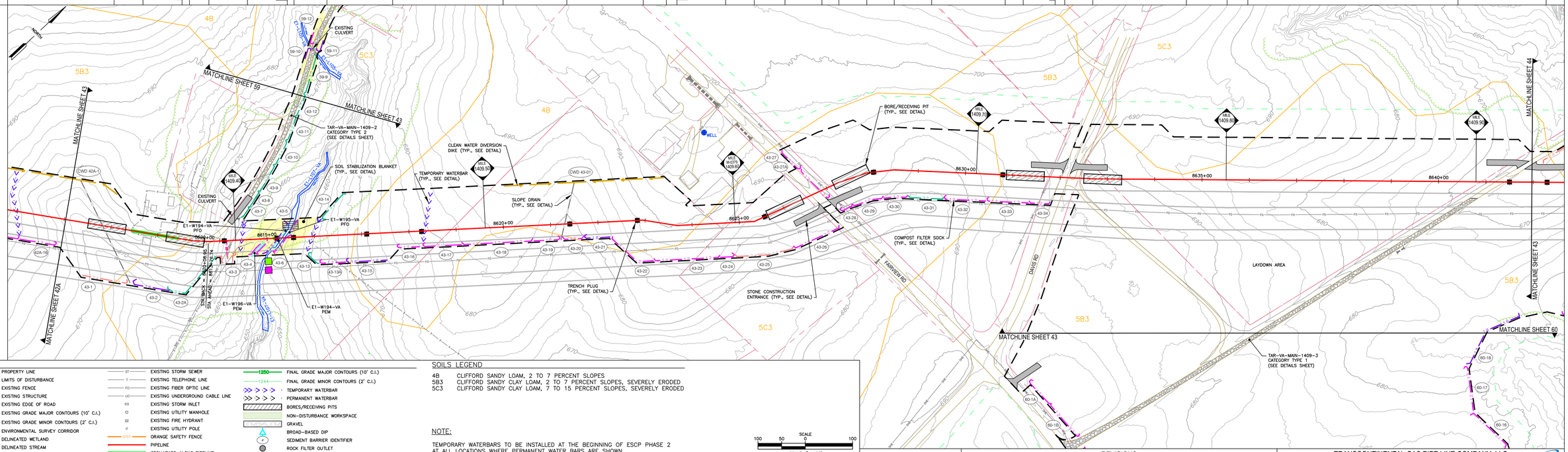
DRAWN BY: CMK	DATE: 5-30-25	ISSUED FOR BID:	SCALE: AS NOTED
CHECKED BY: JML	DATE: 5-30-25	ISSUED FOR CONSTRUCTION:	REVISION:
APPROVED BY: RCM	DATE: 5-30-25		
WO: C1009554	RID: 500	DRAWING NUMBER: VA-EDEN-ES-042A	SHEET 42A OF 97

OWNERSHIP & TRACT NUMBER	SSE31–VA–PI–0258									SSE31–VA–PI–0260				SSE31–VA–PI–0260.1	SSE31–VA–PI–0264	SSE31–VA–PI–0266			SSE31–VA–PI–0267			SSE31–VA–PI–0269	SSE31–VA–PI–0272				SSE31–VA–PI–0271						SSE31–VA–PI–0272
PROFILE (MIN. PIPE DEPTH)	4'															5'			4'			5'	4'										
COVER TYPE	AGRICULTURAL		RESIDENTIAL	OPEN LAND	FOREST	WETLAND	OPEN WATER		FOREST	OPEN LAND	AGRICULTURAL				RESIDENTIAL	AGRICULTURAL	COMMERCIAL/ INDUSTRIAL		AGRICULTURAL			COMMERCIAL/ INDUSTRIAL					AGRICULTURAL					COMMERCIAL/ INDUSTRIAL	AGRICULTURAL
RECEIVING WATERS	CHERRYSTONE CREEK																																
SOIL TYPE	5B3			5C3							4B								5C3													5B3	
AVERAGE % SLOPE	–0.9		–4.7	9.7	1.8	–4.7	–16.3	–4.8	28.4	11.4	8.7	3.6		–3.7	5.6	3.5	–1.6	–1.8	–4.1	3.5	2.3	6.0	1.2	–2.6	–3.0	3.1	2.6	–1.4	1.5	–4.2	–2.9	–2.3	0.7	–3.2	–2.0	3.2

EXISTING CONDITIONS / PHASE 1 E&SC PLAN



PHASE 2 E&SC PLAN



LEGEND

- PROPERTY LINE
- LIMITS OF DISTURBANCE
- EXISTING FENCE
- EXISTING STRUCTURE
- EXISTING EDGE OF ROAD
- 1250 EXISTING GRADE MAJOR CONTOURS (10' C.I.)
- 1244 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
- OHE EXISTING ELECTRIC LINE
- UE EXISTING UNDERGROUND ELECTRIC LINE
- G EXISTING GAS LINE
- W EXISTING WATER LINE
- SAN EXISTING SANITARY SEWER
- ST EXISTING STORM SEWER
- T EXISTING TELEPHONE LINE
- FO EXISTING FIBER OPTIC LINE
- UC EXISTING UNDERGROUND CABLE LINE
- EXISTING STORM INLET
- EXISTING UTILITY MANHOLE
- EXISTING FIRE HYDRANT
- EXISTING UTILITY POLE
- OSF 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
- 32" COMPOST FILTER SOCK
- CFS COMPOST SOCK SEDIMENT TRAP
- CLEAN WATER DIVERSION DIKE
- SD CLEAN WATER DIVERSION SLOPE DRAIN
- CP CATHODIC PROTECTION
- 1250 FINAL GRADE MAJOR CONTOURS (10' C.I.)
- 1244 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)
- MW EXISTING MONITORING WELL
- GV EXISTING GROUND TESTING VALVE
- WELL EXISTING PRIVATE WATER WELL

SOILS LEGEND

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

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
100 50 0 100
SCALE 1" =100'

R. CRAIG MURPHY, P.E.

COMMONWEALTH OF VIRGINIA
RICHARD C. MURPHY
Lic. No. 041898
05/05/25
PROFESSIONAL ENGINEER

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

Williams

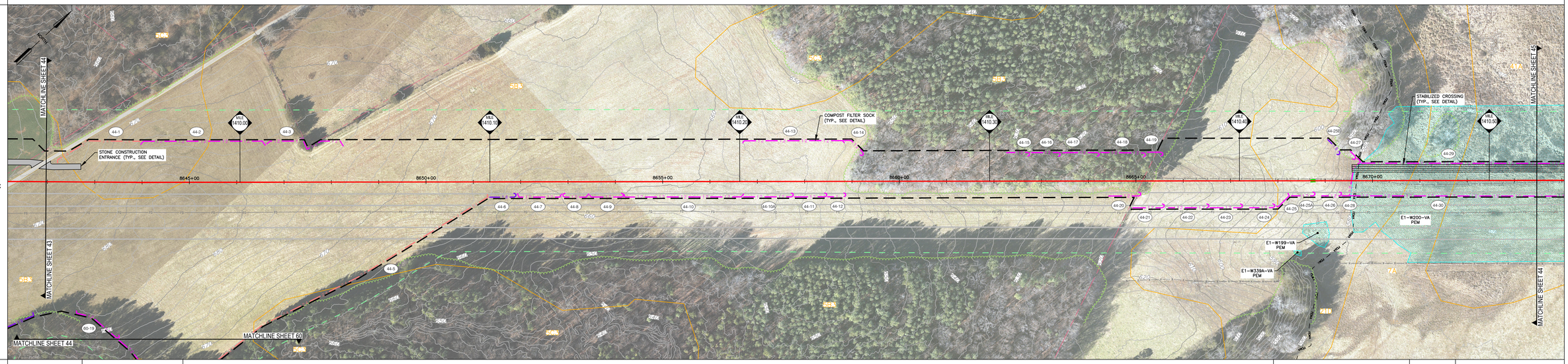
SITE PLAN

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-043A	SHEET 43 OF 97

OWNERSHIP & TRACT NUMBER	SSE31–VA–PI–0272				SSE31–VA–PI–0275	
PROFILE (MIN. PIPE DEPTH)	4'					
COVER TYPE	COMMERCIAL/ INDUSTRIAL	AGRICULTURAL	OPEN LAND		AGRICULTURAL	WETLAND
RECEIVING WATERS	CHERRYSTONE CREEK					

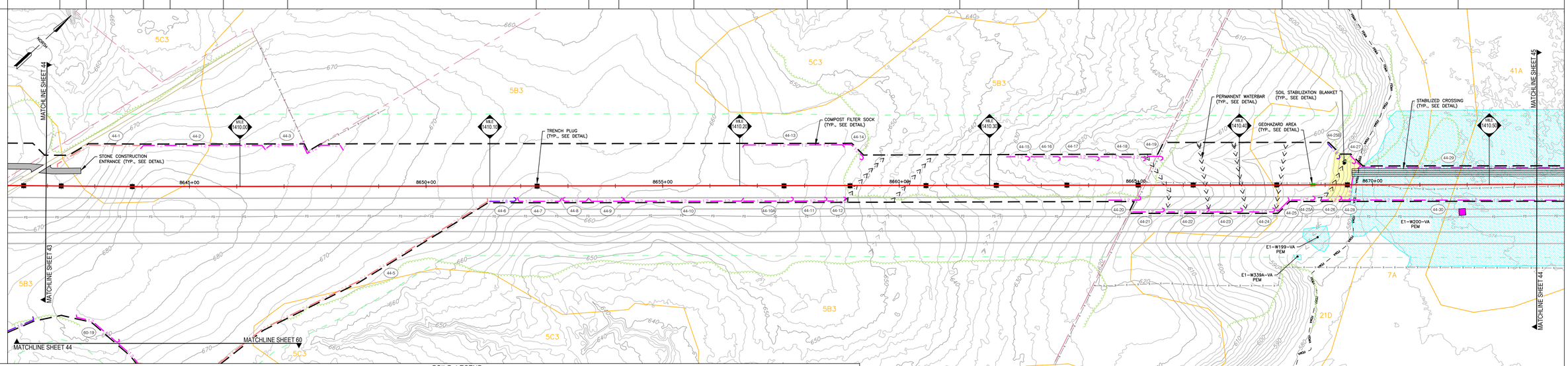
EXISTING CONDITIONS / PHASE 1 E&SC PLAN



SOIL TYPE	5B3	5C3	5B3	21D	7A

AVERAGE % SLOPE	−2.0	3.2	11.0	2.7	−2.5	−1.5	−3.4	2.0	−1.9	−0.7	−1.7	−4.8	−6.7	−3.2	−7.5	−4.0	−20.0	−5.1	−0.6	−0.1

PHASE 2 E&SC PLAN



LEGEND

- PROPERTY LINE
- LIMITS OF DISTURBANCE
- EXISTING FENCE
- EXISTING STRUCTURE
- EXISTING EDGE OF ROAD
- 1250 EXISTING GRADE MAJOR CONTOURS (10' C.I.)
- 1244 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
- 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
- 32" COMPOST FILTER SOCK
- CFS COMPOST SOCK SEDIMENT TRAP
- CLEAN WATER DIVERSION DIKE
- SD CLEAN WATER DIVERSION SLOPE DRAIN
- CP CATHODIC PROTECTION
- 1250 FINAL GRADE MAJOR CONTOURS (10' C.I.)
- 1244 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)
- MW EXISTING MONITORING WELL
- GW EXISTING GROUND TESTING VALVE
- WELL EXISTING PRIVATE WATER WELL

SOILS LEGEND

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
7A	CODORUS LOAM, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED
21D	POPLAR FOREST FINE SANDY LOAM, 15 TO 25 PERCENT SLOPES
41A	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.

SCALE
100 50 0 100
SCALE 1" =100'

R. CRAIG MURPHY, P.E.

COMMONWEALTH OF VIRGINIA
RICHARD C MURPHY
Lic. No. 041898
05/05/25
PROFESSIONAL ENGINEER

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

Williams

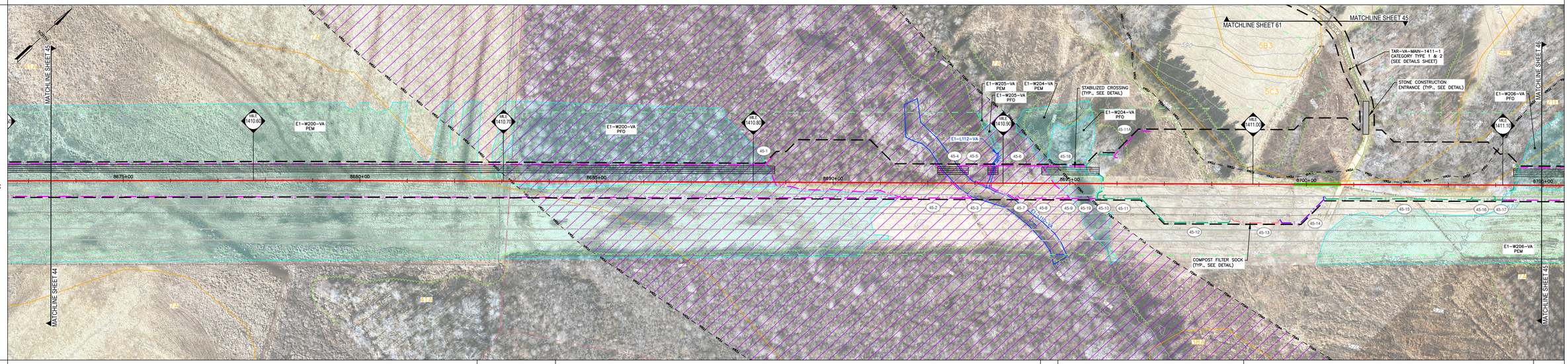
SITE PLAN

PITTSYLVANIA COUNTY, VIRGINIA

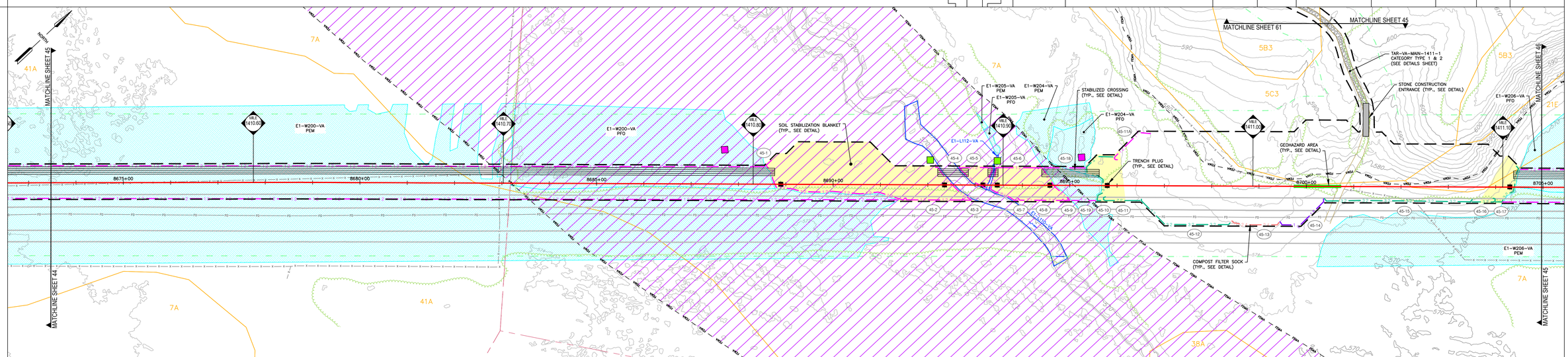
DRAWN BY: CMK	DATE: 5-30-25	ISSUED FOR BID:	SCALE: AS NOTED
CHECKED BY: JML	DATE: 5-30-25	ISSUED FOR CONSTRUCTION:	REVISION:
APPROVED BY: RCM	DATE: 5-30-25		SHEET 44
WO: C1009554	RID: 500	DRAWING NUMBER: VA-EDEN-ES-044	OF 97

OWNERSHIP & TRACT NUMBER	SSE31–VA–PI–0275								SSE31–VA–PI–0276							
PROFILE (MIN. PIPE DEPTH)	4'				3'					4'	3'					
COVER TYPE	WETLAND			OPEN LAND	OPEN WATER	OPEN LAND	OPEN WATER	OPEN LAND	WETLAND	OPEN LAND						WETLAND
RECEIVING WATERS	CHERRYSTONE CREEK															
SOIL TYPE	7A		21E	7A					21E	23C		23B				9C
AVERAGE % SLOPE	–0.1						–8.4	6.4	–5.0	1.2	0.0	1.9	2.4	–2.8	–1.4	1.5	–2.5	–8.0	0.0

EXISTING CONDITIONS / PHASE 1 E&SC PLAN



PHASE 2 E&SC PLAN



LEGEND

- PROPERTY LINE
- LIMITS OF DISTURBANCE
- EXISTING FENCE
- EXISTING STRUCTURE
- EXISTING EDGE OF ROAD
- 1250 EXISTING GRADE MAJOR CONTOURS (10' C.I.)
- 1244 EXISTING GRADE MINOR CONTOURS (2' C.I.)
- ENVIRONMENTAL SURVEY CORRIDOR
- DELINEATED WETLAND
- DELINEATED STREAM
- STREAM FLOW DIRECTION
- VFSI FEMA FEMA FLOODWAY
- FEMA FEMA 100–YEAR FLOODPLAIN
- EXISTING TREELINE/TREE/SHRUB
- EXISTING TGPL PIPELINES
- EXISTING GUIDERAIL
- EXISTING RAILROAD
- EXISTING CULVERT
- EXISTING WATERBAR
- OHE EXISTING ELECTRIC LINE
- UE EXISTING UNDERGROUND ELECTRIC LINE
- G EXISTING GAS LINE
- W EXISTING WATER LINE
- SAN EXISTING SANITARY SEWER
- ST EXISTING STORM SEWER
- T EXISTING TELEPHONE LINE
- FO EXISTING FIBER OPTIC LINE
- UC EXISTING UNDERGROUND CABLE LINE
- EXISTING STORM INLET
- EXISTING UTILITY MANHOLE
- EXISTING FIRE HYDRANT
- EXISTING UTILITY POLE
- OSF ORANGE SAFETY FENCE
- PIPELINE
- GEOHAZARD ALONG PIPELINE
- STABILIZED CROSSING (TIMBER MAT)
- TRENCH PLUG
- SOIL STABILIZATION BLANKET
- STONE CONSTRUCTION ENTRANCE
- 12 12" COMPOST FILTER SOCK
- 18 18" COMPOST FILTER SOCK
- 24 24" COMPOST FILTER SOCK
- 32 32" COMPOST FILTER SOCK
- CFS COMPOST SOCK SEDIMENT TRAP
- CLEAN WATER DIVERSION DIKE
- SD CLEAN WATER DIVERSION SLOPE DRAIN
- CP CATHODIC PROTECTION
- 1250 FINAL GRADE MAJOR CONTOURS (10' C.I.)
- 1244 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)
- MW EXISTING MONITORING WELL
- GV EXISTING GROUND TESTING VALVE
- WELL 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
7A	CODORUS–COMUS COMPLEX, 0 TO 2 PERCENT SLOPES, FREQUENTLY FLOODED
9C	LACKSTOWN FINE SANDY LOAM, 7 TO 15 PERCENT SLOPES
21E	POPLAR FOREST FINE SANDY LOAM, 25 TO 45 PERCENT SLOPES
23B	CLOVER FINE SANDY LOAM, 2 TO 7 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.

SCALE
100 50 0 100
SCALE 1" =100'

R. CRAIG MURPHY, P.E.

COMMONWEALTH OF VIRGINIA
RICHARD C. MURPHY
Lic. No. 041898
05/05/24
PROFESSIONAL ENGINEER

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

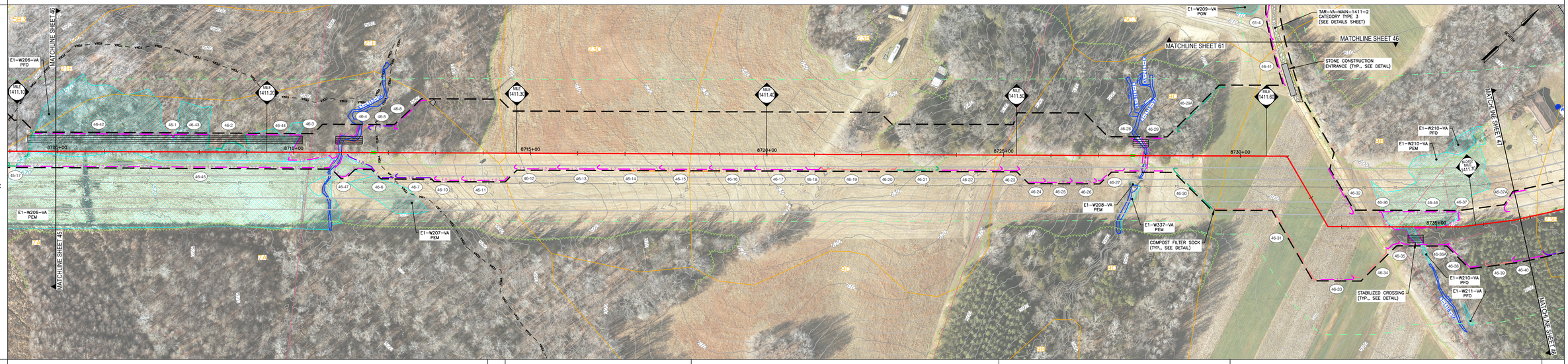
SITE PLAN

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		
WO: C1009554	RID: 500	DRAWING NUMBER: VA-EDEN-ES-045	SHEET 45 OF 97

OWNERSHIP & TRACT NUMBER	SSE31–VA–PI–0276	SSE31–VA–PI–0278	SSE31–VA–PI–0279	SSE31–VA–PI–0281
PROFILE (MIN. PIPE DEPTH)	3'	4'	11'	4'
COVER TYPE	OPEN LAND, WETLAND, OPEN LAND	OPEN WATER, AGRICULTURAL, FOREST, OPEN WATER, FOREST, AGRICULTURAL, FOREST, OPEN WATER, FOREST		
RECEIVING WATERS	CHERRYSTONE CREEK			

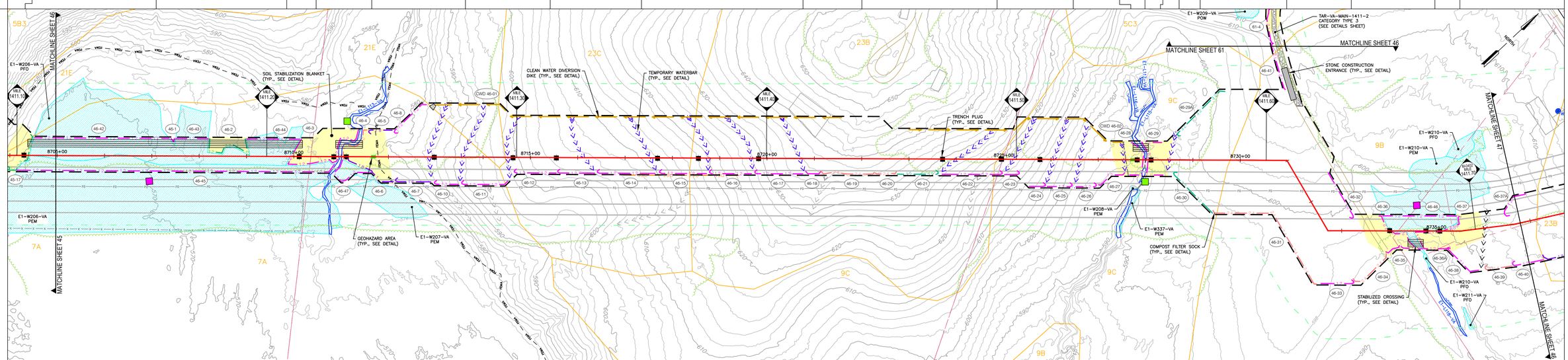
EXISTING CONDITIONS / PHASE 1 E&SC PLAN



SOIL TYPE	7A	21E	23C	23B	9C	9B	23B

AVERAGE % SLOPE	−0.8	0.0	1.4	3.2	1.7	7.1	6.7	3.1	7.6	2.8	−6.8	−12.5	−5.0	−10.5	10.4	5.0	8.8	1.7	−2.5	−1.4	7.8	2.7

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
- 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
- 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
- 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

9B	LACKSTOWN FINE SANDY LOAM, 2 TO 7 PERCENT SLOPES
9C	LACKSTOWN FINE SANDY LOAM, 7 TO 15 PERCENT SLOPES
23B	CLOVER FINE SANDY LOAM, 2 TO 7 PERCENT SLOPES
23C	CLOVER FINE SANDY LOAM, 7 TO 15 PERCENT SLOPES
W	WATER

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'

R. CRAIG MURPHY, P.E.
COMMONWEALTH OF VIRGINIA
RICHARD C MURPHY
Lic. No. 041898
05/05/25
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

Williams

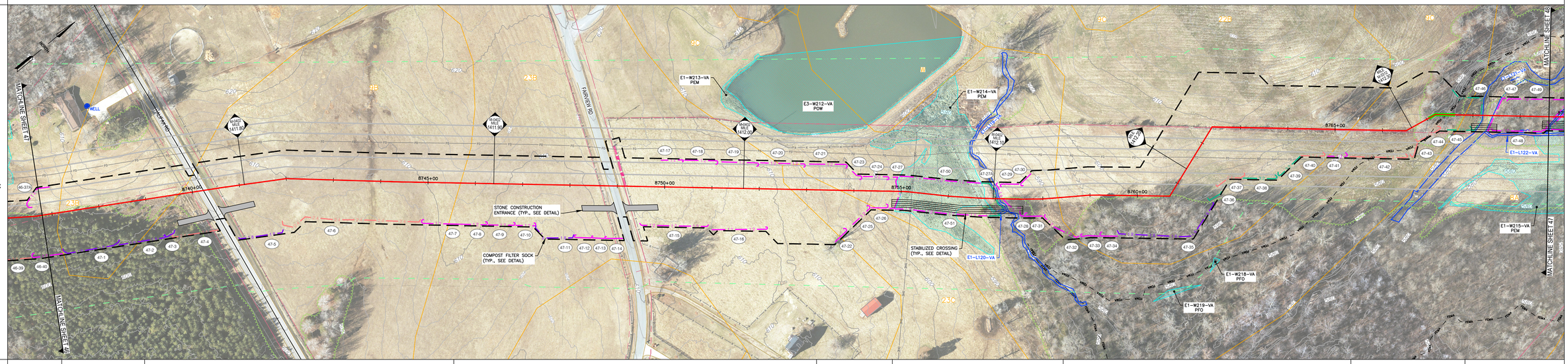
SITE PLAN

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-046	SHEET 46 OF 97

OWNERSHIP & TRACT NUMBER	SSE31–VA–PI–0281	SSE31–VA–PI–0284	SSE31–VA–PI–0285	SSE31–VA–PI–0286	SSE31–VA–PI–0287	SSE31–VA–PI–0289
PROFILE (MIN. PIPE DEPTH)	4'	5'	4'	5'	4'	11' / 4'
COVER TYPE	FOREST	COMMERCIAL/ INDUSTRIAL	AGRICULTURAL	COMMERCIAL/ INDUSTRIAL	AGRICULTURAL, WETLAND, AGRICULTURAL, FOREST, OPEN WATER, FOREST, AGRICULTURAL, FOREST	AGRICULTURAL, FOREST, AGRICULTURAL, FOREST, AGRICULTURAL, OPEN WATER, OPEN LAND, FOREST, OPEN WATER, WETLAND
RECEIVING WATERS	CHERRYSTONE CREEK					

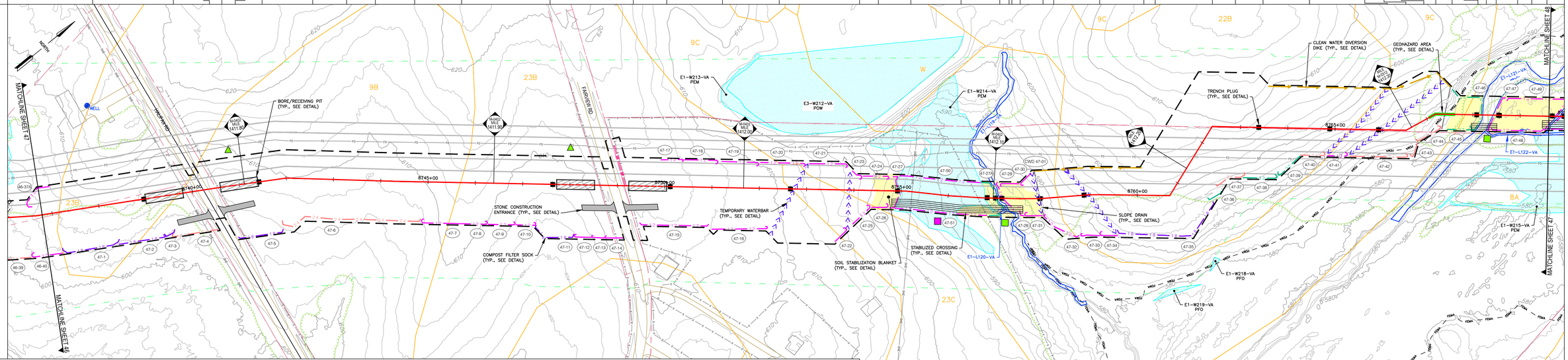
EXISTING CONDITIONS / PHASE 1 E&SC PLAN



SOIL TYPE	9B	23B	9B	23B	23C	9C	22B	9C	8A

AVERAGE % SLOPE	2.7	–1.6	2.5	13.1	–10.6	2.9	1.4	–0.2	–1.0	1.4	3.7	–2.5	4.0	0.4	–1.9	–1.7	–4.7	–10.2	–5.9	–4.8	–3.4	–10.2	–61.8	19.9	3.8	9.5	2.5	7.0	–2.2	4.8	1.6	–5.5	–4.0	–7.2	–7.2	3.0	–7.4	–13.0	–3.6	–23.5	18.1	4.7	–3.5	3.3	–1.2

PHASE 2 E&SC PLAN



LEGEND

- PROPERTY LINE
- LIMITS OF DISTURBANCE
- EXISTING FENCE
- EXISTING STRUCTURE
- EXISTING EDGE OF ROAD
- 1250 EXISTING GRADE MAJOR CONTOURS (10' C.I.)
- 1244 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
- OHE EXISTING ELECTRIC LINE
- UE EXISTING UNDERGROUND ELECTRIC LINE
- G EXISTING GAS LINE
- W EXISTING WATER LINE
- SAN EXISTING SANITARY SEWER
- ST EXISTING STORM SEWER
- T EXISTING TELEPHONE LINE
- FO EXISTING FIBER OPTIC LINE
- UC EXISTING UNDERGROUND CABLE LINE
- EXISTING STORM INLET
- EXISTING UTILITY MANHOLE
- EXISTING FIRE HYDRANT
- EXISTING UTILITY POLE
- OSF ORANGE SAFETY FENCE
- PIPELINE
- GEOHAZARD ALONG PIPELINE
- STABILIZED CROSSING (TIMBER MAT)
- TRENCH PLUG
- SOIL STABILIZATION BLANKET
- STONE CONSTRUCTION ENTRANCE
- T-2 12" COMPOST FILTER SOCK
- T-8 18" COMPOST FILTER SOCK
- 2-4 24" COMPOST FILTER SOCK
- 3-2 32" COMPOST FILTER SOCK
- CFS COMPOST SOCK SEDIMENT TRAP
- CLEAN WATER DIVERSION DIKE
- SD CLEAN WATER DIVERSION SLOPE DRAIN
- CP CATHODIC PROTECTION
- 1250 FINAL GRADE MAJOR CONTOURS (10' C.I.)
- 1244 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)
- G_{MW} EXISTING MONITORING WELL
- G_V EXISTING GROUND TESTING VALVE
- WELL EXISTING PRIVATE WATER WELL

SOILS LEGEND

8A	CODORUS–COMUS COMPLEX, 0 TO 2 PERCENT SLOPES, FREQUENTLY FLOODED
9C	LACKSTOWN FINE SANDY LOAM, 7 TO 15 PERCENT SLOPES
22B	BENTLEY 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

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
100 50 0 100
SCALE 1" =100'

R. CRAIG MURPHY, P.E.

COMMONWEALTH OF VIRGINIA
RICHARD C. MURPHY
Lic. No. 041898
05/05/25
PROFESSIONAL ENGINEER

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

Williams

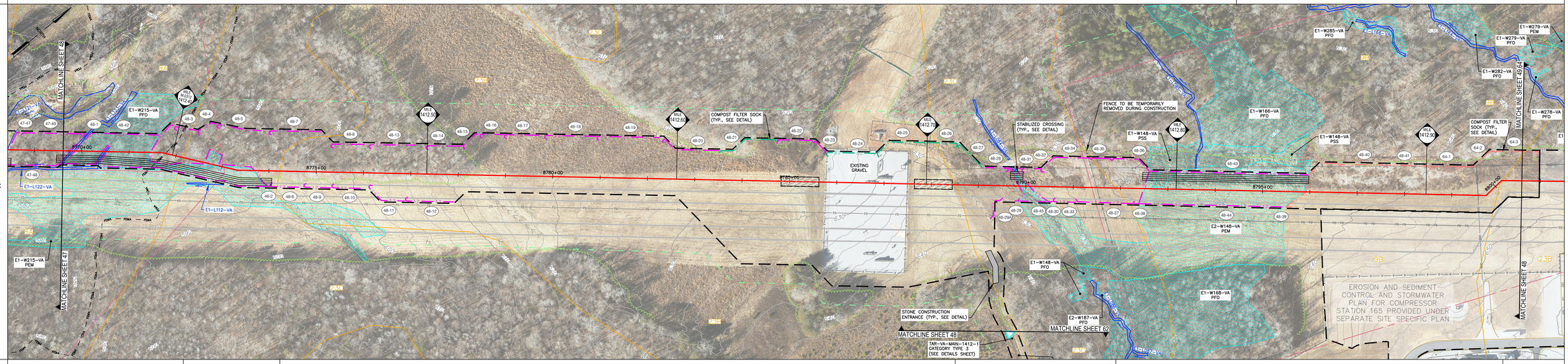
SITE PLAN

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-047	SHEET 47 OF 97
WO: C1009554	RID: 500		

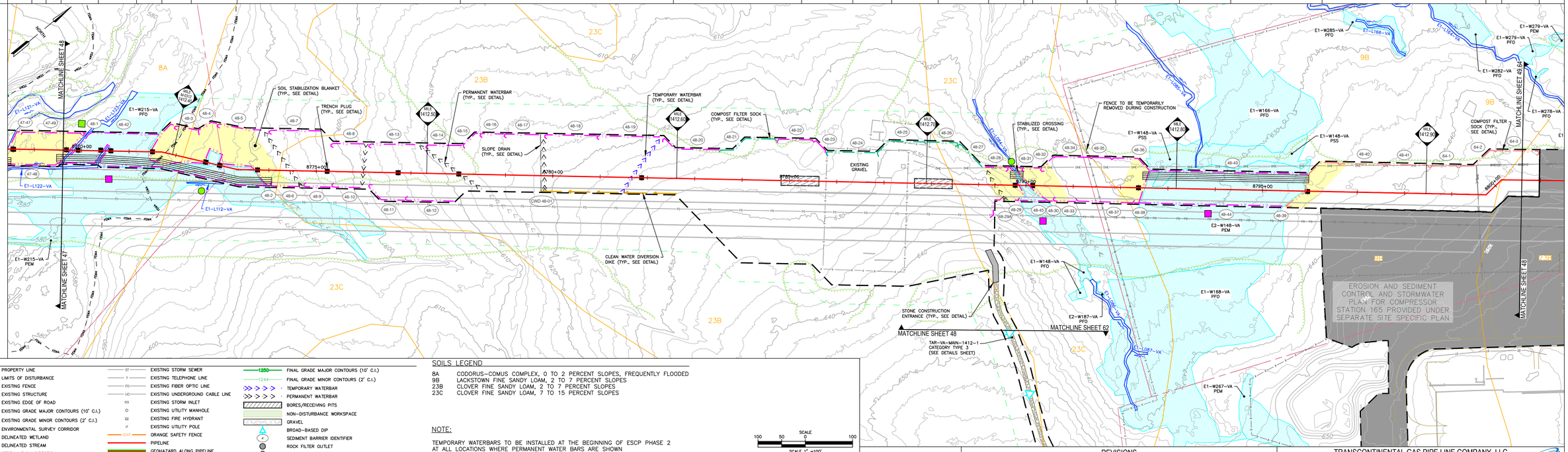
OWNERSHIP & TRACT NUMBER	SSE31–VA–PI–0289	SSE31–VA–PI–0291	SSE31–VA–PI–0293
PROFILE (MIN. PIPE DEPTH)	4'	3' / 4' / 3' / 4' / 3'	3'
COVER TYPE	FOREST / OPEN WATER / WETLAND / OPEN WATER / WETLAND / FOREST / WETLAND / OPEN LAND / WETLAND / OPEN LAND / COMMERCIAL/INDUSTRIAL / OPEN LAND / WETLAND / OPEN LAND / WETLAND / OPEN LAND / COMMERCIAL/INDUSTRIAL		
RECEIVING WATERS	CHERRYSTONE CREEK	SHOCKOE CREEK–BANISTER RIVER	

EXISTING CONDITIONS / PHASE 1 E&SC PLAN



SOIL TYPE	8A	23C	23B	23C	9B	23B
AVERAGE % SLOPE	4.7 / –3.5 / 3.3 / –1.2 / 1.1 / 2.5 / 4.2	2.0	5.1 / 3.1 / 0.5 / 0.7 / 4.9 / 1.7	–3.4 / –8.2 / 11.1 / 3.4 / 0.0	–0.8 / 1.0 / 3.1 / 2.4	0.0 / 0.3

PHASE 2 E&SC PLAN



LEGEND

- PROPERTY LINE
- LIMITS OF DISTURBANCE
- EXISTING FENCE
- EXISTING STRUCTURE
- EXISTING EDGE OF ROAD
- 1250 EXISTING GRADE MAJOR CONTOURS (10' C.I.)
- 1244 EXISTING GRADE MINOR CONTOURS (2' C.I.)
- ENVIRONMENTAL SURVEY CORRIDOR
- DELINEATED WETLAND
- DELINEATED STREAM
- STREAM FLOW DIRECTION
- VFSH FEMA FLOODWAY
- FEMA 100–YEAR FLOODPLAIN
- EXISTING TREELINE/TREE/SHRUB
- EXISTING TGPL PIPELINES
- EXISTING GUIDERAIL
- EXISTING RAILROAD
- EXISTING CULVERT
- EXISTING WATERBAR
- OHE EXISTING ELECTRIC LINE
- UE EXISTING UNDERGROUND ELECTRIC LINE
- G EXISTING GAS LINE
- W EXISTING WATER LINE
- SAN EXISTING SANITARY SEWER
- ST EXISTING STORM SEWER
- T EXISTING TELEPHONE LINE
- FO EXISTING FIBER OPTIC LINE
- UC EXISTING UNDERGROUND CABLE LINE
- EXISTING STORM INLET
- EXISTING UTILITY MANHOLE
- EXISTING FIRE HYDRANT
- EXISTING UTILITY POLE
- OSF 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
- 32" COMPOST FILTER SOCK
- CFS COMPOST SOCK SEDIMENT TRAP
- CLEAN WATER DIVERSION DIKE
- SD CLEAN WATER DIVERSION SLOPE DRAIN
- CP CATHODIC PROTECTION
- 1250 FINAL GRADE MAJOR CONTOURS (10' C.I.)
- 1244 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)
- GMW EXISTING MONITORING WELL
- GV EXISTING GROUND TESTING VALVE
- WELL EXISTING PRIVATE WATER WELL

SOILS LEGEND

8A	CODORUS–COMUS COMPLEX, 0 TO 2 PERCENT SLOPES, FREQUENTLY FLOODED
9B	LACKSTOWN FINE SANDY LOAMY, 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

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
100 50 0 100
SCALE 1" =100'

R. CRAIG MURPHY, P.E.

COMMONWEALTH OF VIRGINIA
RICHARD C. MURPHY
Lic. No. 041898
09/09/25
PROFESSIONAL ENGINEER

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

Williams

SITE PLAN

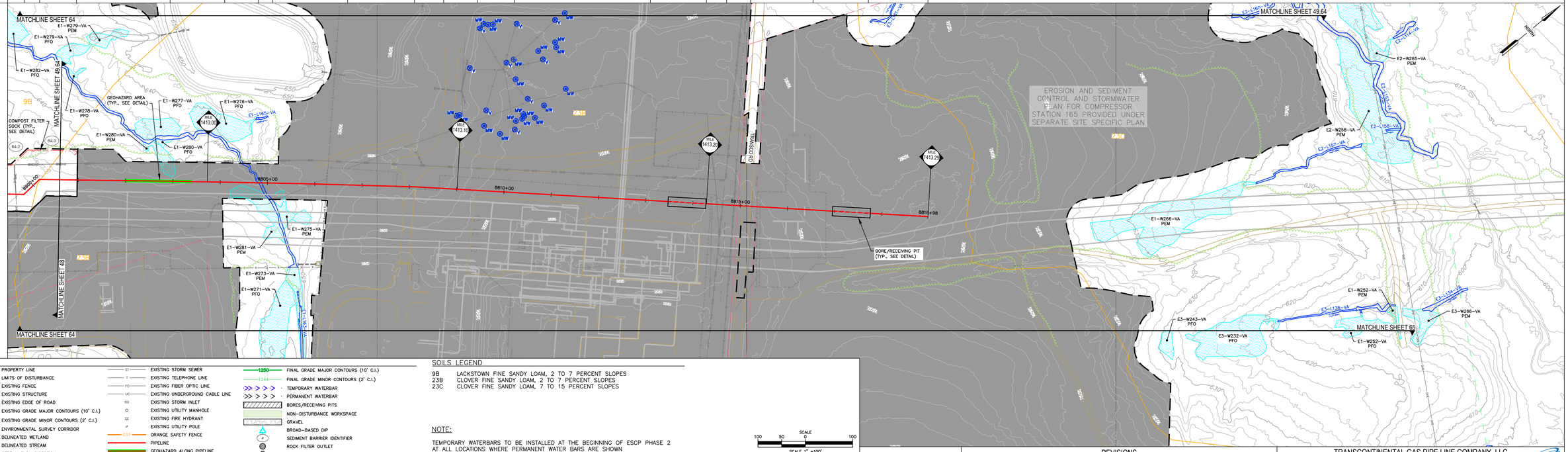
PITTSYLVANIA COUNTY, VIRGINIA

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		SHEET 48
WO: C1009554	RID: 500	DRAWING NUMBER: VA-EDEN-ES-048	OF 97

OWNERSHIP & TRACT NUMBER	SSE31-VA-PI-0293														SSE31-VA-PI-0292.1			SSE31-VA-PI-0299			
PROFILE (MIN. PIPE DEPTH)	3'						4'	3'							3'	3'					
COVER TYPE	OPEN LAND	COMMERCIAL/ INDUSTRIAL		OPEN WATER	COMMERCIAL/ INDUSTRIAL	OPEN LAND	COMMERCIAL/ INDUSTRIAL										OPEN LAND				
RECEIVING WATERS	CHERRYSTONE CREEK																		SHOCKOE CREEK-BANISTER RIVER		
SOIL TYPE	9B	23B																			
AVERAGE % SLOPE	2.4	0.0	0.3	-1.0	1.9	-4.2	13.5	3.8	1.4	0.2	5.6	2.5	0.7	1.7	1.4	-1.2	-6.0	-2.1	1.9		

EXISTING CONDITIONS / PHASE 1 E&SC PLAN

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
- 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
- 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
- BORES/RECEIVING PITS
- NON-DISTURBANCE WORKSPACE
- GRAVEL
- BROAD-BASED DIP
- SEDIMENT BARRIER IDENTIFIER
- 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

9B	LACKSTOWN FINE 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

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
100 50 0 100
SCALE 1" =100'

R. CRAIG MURPHY, P.E.

COMMONWEALTH OF VIRGINIA
RICHARD C. MURPHY
Lic. No. 041898
05/05/25
PROFESSIONAL ENGINEER

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

Williams

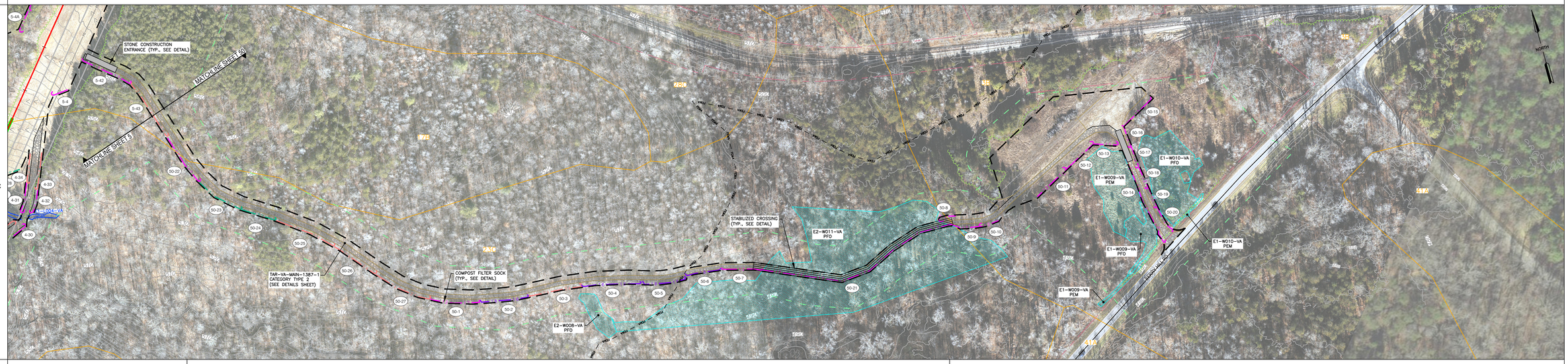
SITE PLAN

PITTSYLVANIA COUNTY, VIRGINIA

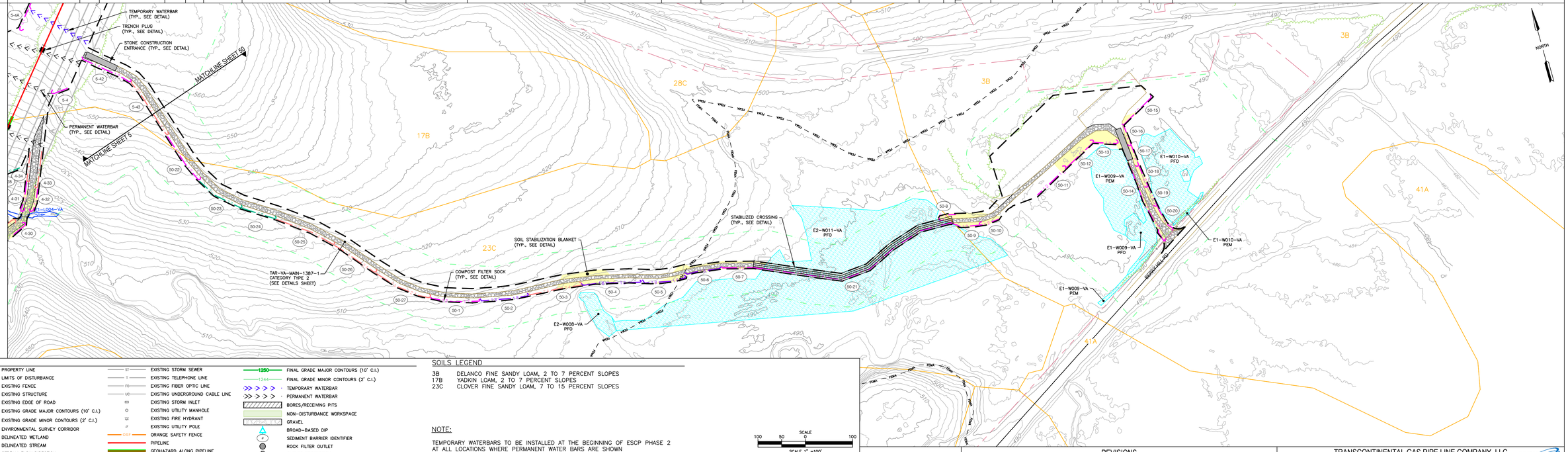
DRAWN BY: CMK	DATE: 5-30-25	ISSUED FOR BID:	SCALE: AS NOTED
CHECKED BY: JML	DATE: 5-30-25	ISSUED FOR CONSTRUCTION:	REVISION:
APPROVED BY: RCM	DATE: 5-30-25		
WO: C1009554	RID: 500	DRAWING NUMBER: VA-EDEN-ES-049	SHEET 49 OF 97

OWNERSHIP & TRACT NUMBER	SSE31–VA–PI–0024																						
PROFILE (MIN. PIPE DEPTH)	N/A																						
COVER TYPE	OPEN LAND	FOREST					WETLAND				FOREST		WETLAND	FOREST	WETLAND	FOREST							
RECEIVING WATERS	TROTTERS CREEK–DAN RIVER																						
SOIL TYPE	17B				23C														3B				
AVERAGE % SLOPE	1.6	4.4	–5.0	–7.6	–5.8	–6.3	–4.9	–5.6	–3.0	–3.1	–2.4	–5.1	–2.2	–1.5	–0.3	0.1	–0.1	2.0	1.4	–0.2	–1.5	–0.7	2.1

EXISTING CONDITIONS / PHASE 1 E&SC PLAN



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
- 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
- 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
- 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

3B	DELANCO FINE SANDY LOAM, 2 TO 7 PERCENT SLOPES
17B	YADKIN LOAM, 2 TO 7 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.

SCALE
100 50 0 100
SCALE 1" =100'

R. CRAIG MURPHY, P.E.

COMMONWEALTH OF VIRGINIA
RICHARD C. MURPHY
Lic. No. 041898
05/30/25
PROFESSIONAL ENGINEER

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

Williams

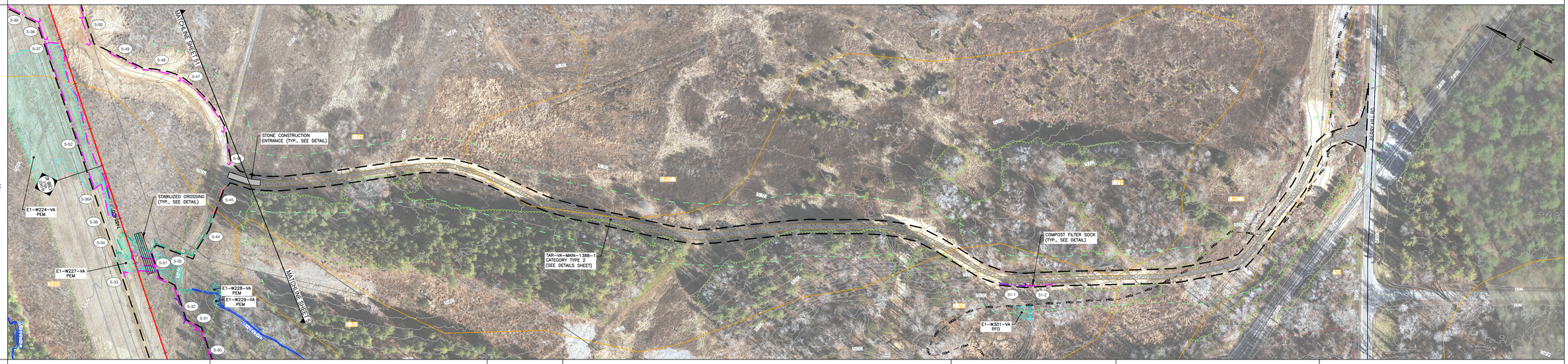
SITE PLAN

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-050	SHEET 50 OF 97

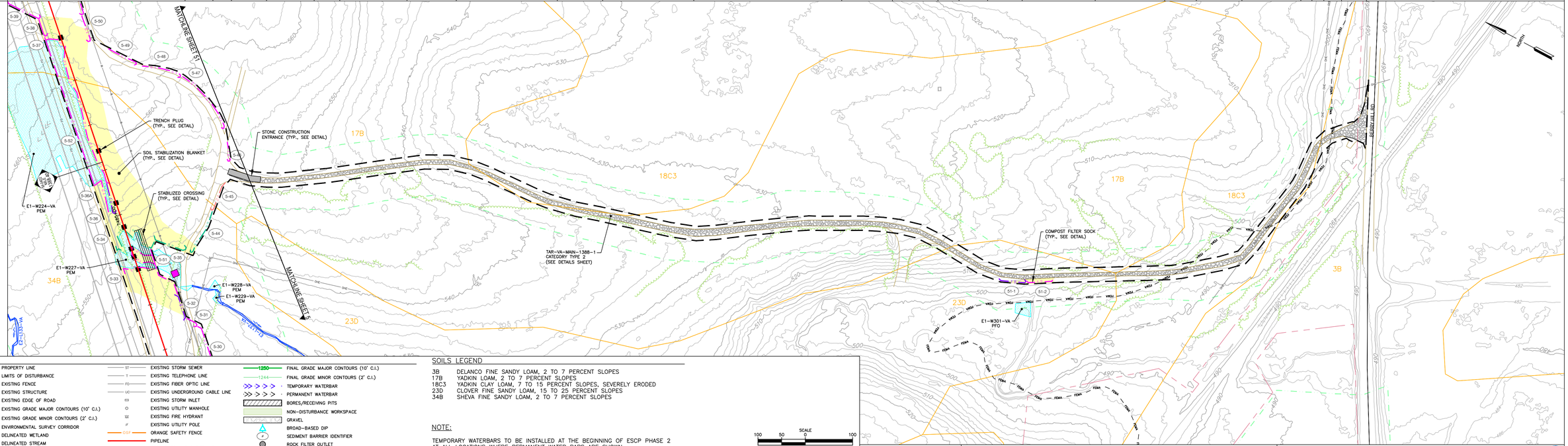
OWNERSHIP & TRACT NUMBER	SSE31–VA–PI–0027	BERRY HILL RD.
PROFILE (MIN. PIPE DEPTH)	N/A	
COVER TYPE	OPEN LAND; FOREST; OPEN LAND; COMMERCIAL/INDUSTRIAL; OPEN LAND; OPEN LAND; FOREST; FOREST; OPEN LAND; OPEN LAND; FOREST; OPEN LAND; OPEN LAND	
RECEIVING WATERS	TROTTERS CREEK–DAN RIVER	

EXISTING CONDITIONS / PHASE 1 E&SC PLAN



SOIL TYPE	34B	17B								18C3	17B							23D			18C3					3B
AVERAGE % SLOPE		4.2	5.2	1.5	–1.6	–3.0	–5.5	–5.3	0.6	–2.0	–1.2	–1.2	–1.8	–4.9	–8.7	–11.1	–5.5	–1.3	–4.1	–3.0	–2.0	–3.5	–1.8	–4.0	–10.3	–3.7

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
- 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
- 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
- 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

3B	DELANCO FINE SANDY LOAM, 2 TO 7 PERCENT SLOPES
17B	YADKIN LOAM, 2 TO 7 PERCENT SLOPES
18C3	YADKIN CLAY LOAM, 7 TO 15 PERCENT SLOPES, SEVERELY ERODED
23D	CLOVER FINE SANDY LOAM, 15 TO 25 PERCENT SLOPES
34B	SHEVA FINE SANDY LOAM, 2 TO 7 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
100 50 0 100
SCALE 1" =100'

R. CRAIG MURPHY, P.E.

COMMONWEALTH OF VIRGINIA
RICHARD C. MURPHY
Lic. No. 041898
05/05/25
PROFESSIONAL ENGINEER

PROFESSIONAL ENGINEER

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

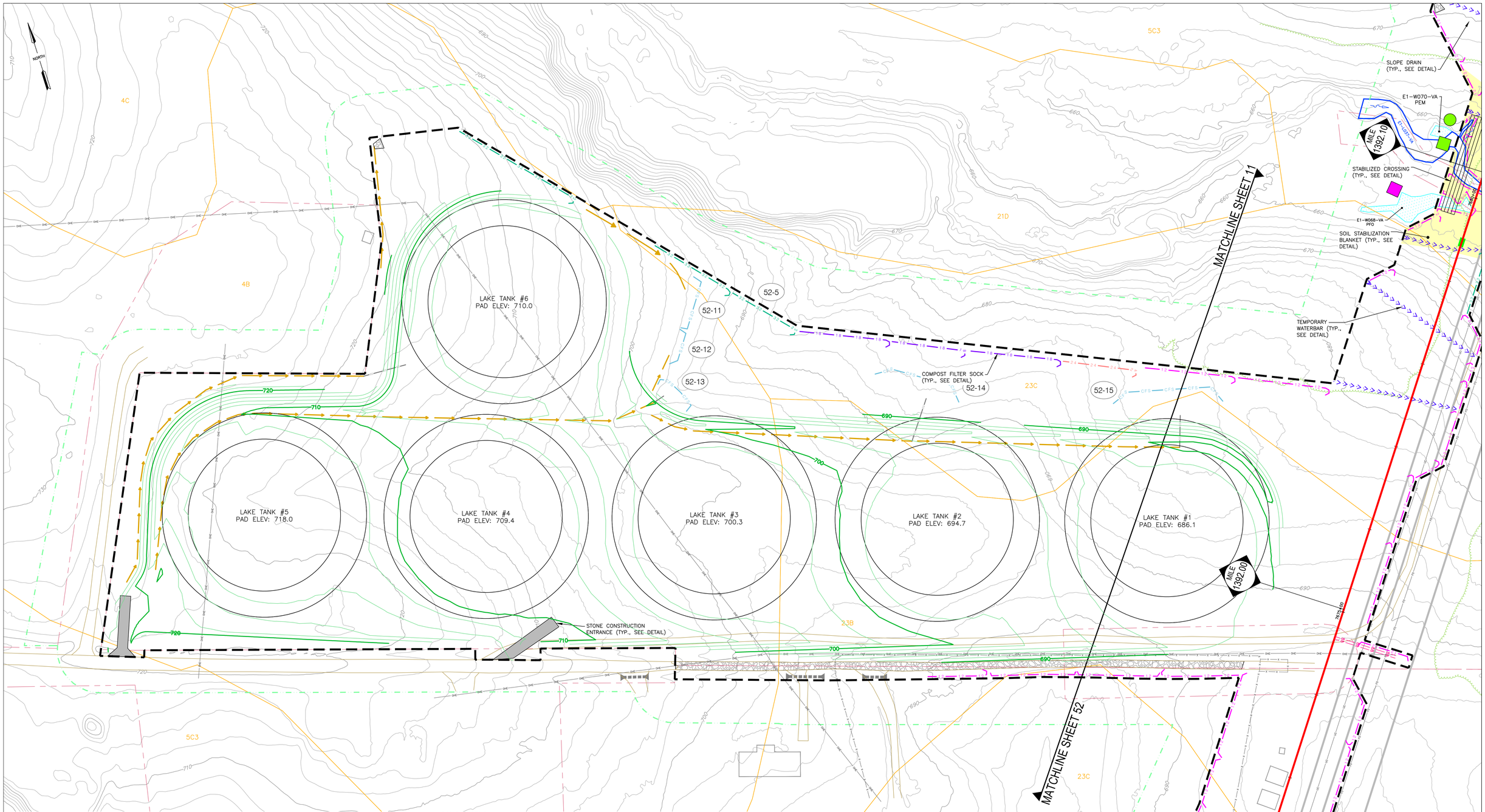
TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC
SOUTHEAST SUPPLY ENHANCEMENT PROJECT
EDEN LOOP
SOIL EROSION & SEDIMENT CONTROL PLAN

Williams

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-051	SHEET 51 OF 97



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
- 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
- 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
- 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
23B	CLOVER FINE SANDY LOAM, 2 TO 7 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.

SCALE
50 25 0 50
SCALE 1" =50'

R. CRAIG MURPHY, P.E.

COMMONWEALTH OF VIRGINIA
RICHARD C. MURPHY
Lic. No. 041898
05/05/25
PROFESSIONAL ENGINEER

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

Williams

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		SHEET 52
WO: C1009554	RID: 500	DRAWING NUMBER: VA-EDEN-ES-052	OF 97