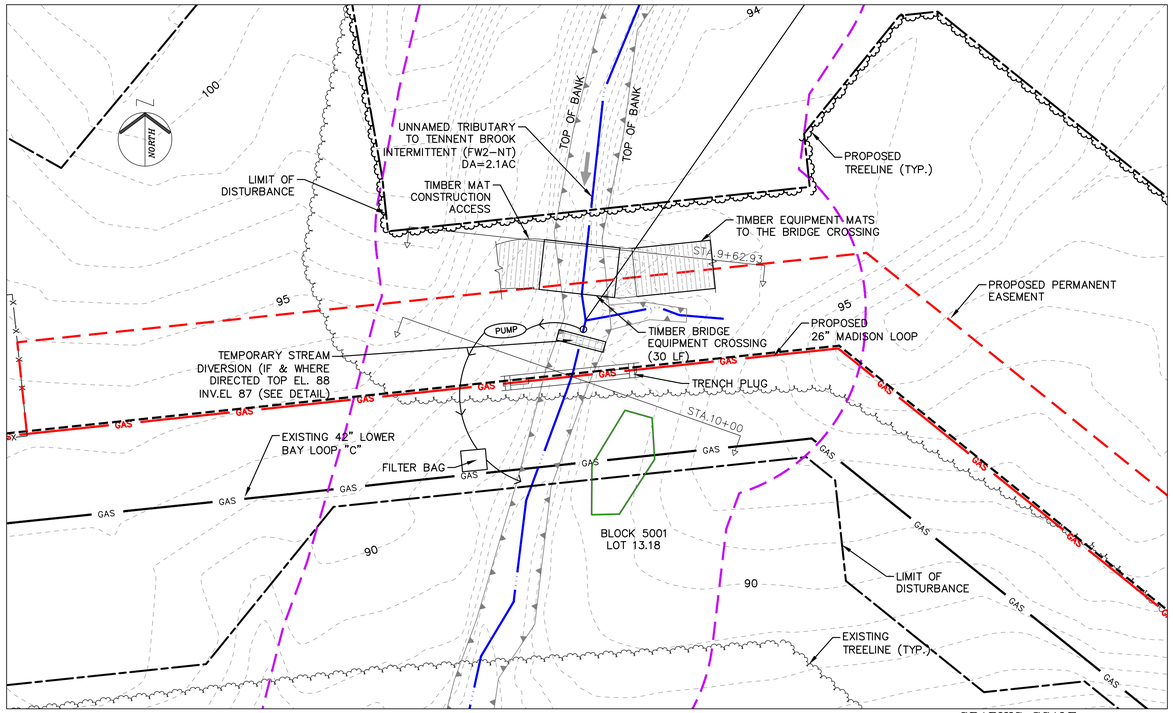
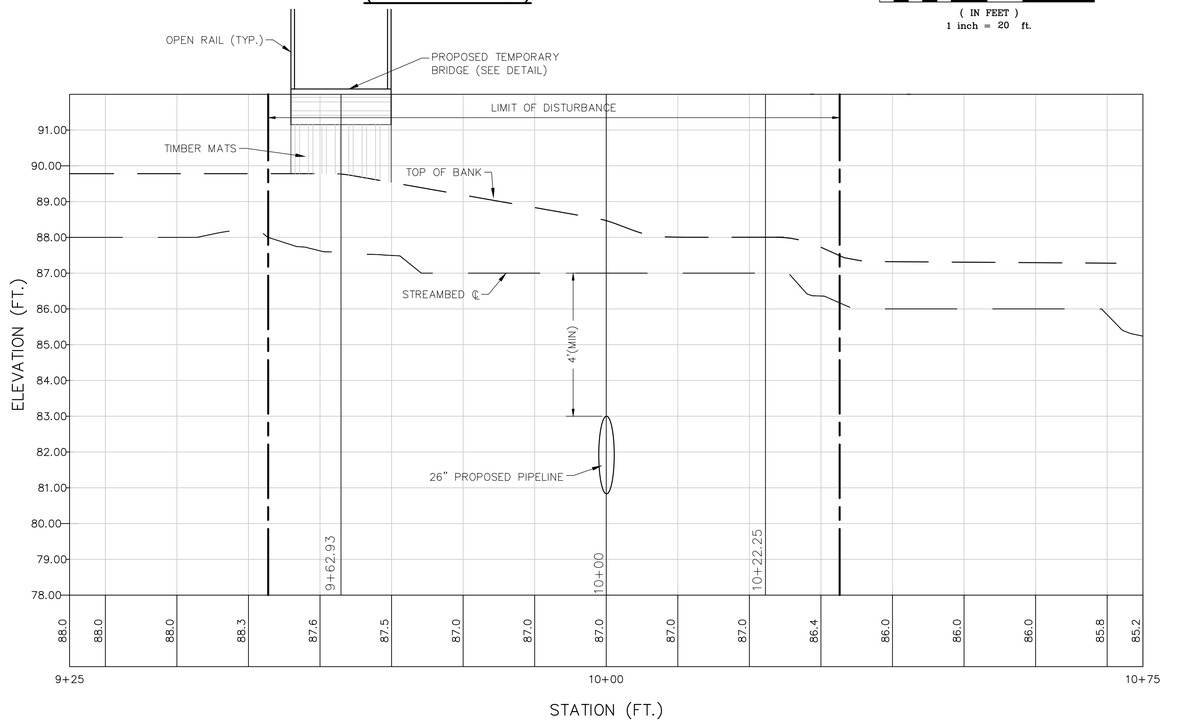


STREAM CROSSING MP - 8.61 (D.A.= 2.1 AC.)

GRAPHIC SCALE
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(IN FEET)
1 inch = 20 ft.



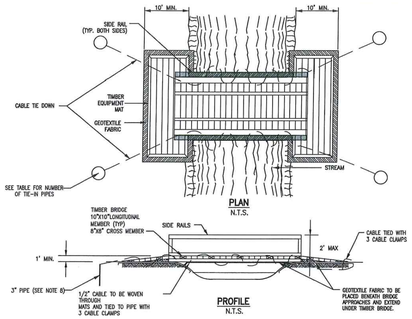
UNT. TRIBUTARY TO TENNENT BROOK PROFILE

HORIZONTAL SCALE
20 0 5 10 20
(IN FEET)
1 inch = 10 ft.

VERTICAL SCALE
2 0 1 2 4
(IN FEET)
1 inch = 2 ft.

NOTES:

1. SITE PLAN INFORMATION TAKEN FROM PLANS ENTITLED "NJDEP LAND USE PERMIT PLANS FOR THE NORTHEAST SUPPLY ENHANCEMENT PROJECT – PROPOSED 26" MADISON LOOP," DATED MAY 21, 2025, PREPARED BY PAULUS, SOKOLOWSKI AND SARTOR, LLC.
2. CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES FOR ALL BRIDGE EQUIPMENT CROSSINGS. TEMPORARY BRIDGES SHALL BE LARGE ENOUGH TO CONVEY FLOW EXPECTED FROM A 2-YEAR FREQUENCY, 24-HOUR DURATION STORM WITHOUT ALTERING STREAM FLOW CHARACTERISTICS. INSTALLATION OF BRIDGE EQUIPMENT AND FILTRATION DEVICES IN PLAN MAY VARY BASED ON SITE SPECIFIC CONDITIONS.
3. THESE PLANS ARE FOR PERMITTING PURPOSES ONLY. THESE PLANS SHALL NOT BE USED FOR CONSTRUCTION.

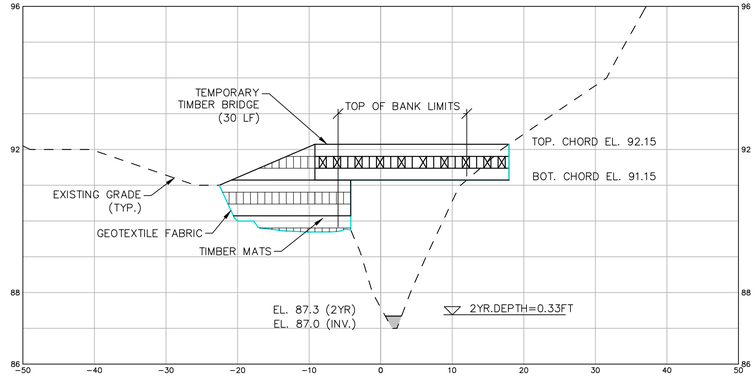


BRIDGE EQUIPMENT CROSSING DETAIL

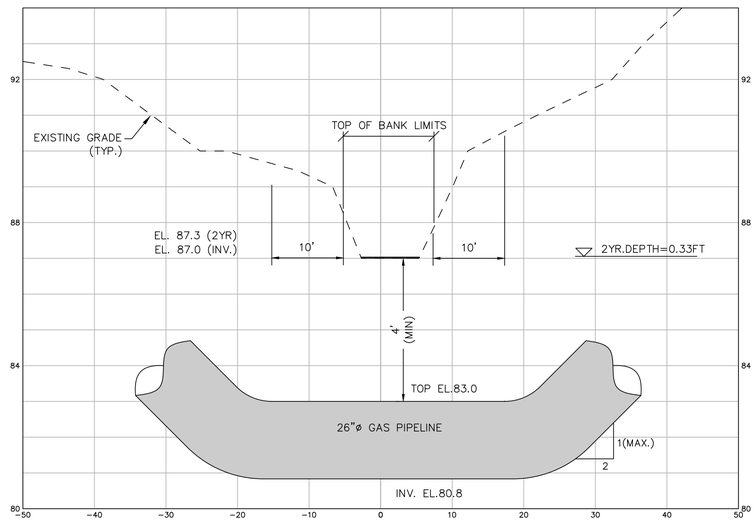
N.T.S.

NOTE:

1. MATERIALS PLACED ALONG SIDE STREAM CHANNEL SHALL BE COMPLETELY REMOVED DURING FINAL CLEAN-UP. REMOVAL OF THIS STRUCTURE IS NOT CONTINGENT UPON ESTABLISHMENT OF PERMANENT VEGETATION.
2. PERIODICALLY CHECK BRIDGE INSTALLATION AND REMOVE BUILD-UP OF SEDIMENT OR DEBRIS ON BRIDGE.
3. BRIDGE APPROACHES SHALL BE TIMBER EQUIPMENT MATS (OR EQUAL).
4. SIDE RAILS SHALL BE INSTALLED ON BOTH SIDES OF THE BRIDGE EQUIPMENT CROSSING IN ORDER TO PREVENT SEDIMENT FROM ENTERING THE WATERBODY. SIDE RAILS TO BE CONSTRUCTED OF PLYWOOD NAILED TO THE OUTER EDGES OF THE TIMBER EQUIPMENT MATS.
5. TIMBER EQUIPMENT MATS SHALL EXTEND A MINIMUM OF 10 FEET OUTSIDE OF THE WATERBODY, WETLAND OR RIPARIAN ZONE BOUNDARIES.
6. THE STRUCTURE SHALL BE LARGE ENOUGH TO CONVEY FLOW EXPECTED FROM A 2-YEAR FREQUENCY, 24 HOUR DURATION STORM WITHOUT APPRECIABLE ALTERING THE STREAM FLOW CHARACTERISTICS.
7. TIMBER BRIDGES SHALL BE ADEQUATELY ANCHORED AT BOTH ENDS.
8. 3" PIPE TO BE DRIVEN INTO THE GROUND TO MINIMUM 1' BELOW GRADE TO ASSIGNED DEPTH OR REFUSAL.
9. BRIDGE EQUIPMENT CROSSING DETAIL TAKEN FROM PLAN ENTITLED "STANDARD ENVIRONMENTAL DETAIL – BRIDGE EQUIPMENT CROSSING," DATED AUGUST 15, 2017, PREPARED BY TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC.



MP-8.61 9+62.93
CROSS-SECTION AT STA. 9+62.93 (VIEW DOWNSTREAM)



MP-8.61 10+00
CROSS-SECTION AT STA.10+00 (VIEW DOWNSTREAM)

REV. / ISSUE	DATE	DESCRIPTION
1	6/13/25	REV PER ADDITIONAL WETLAND DATA
2	10/08/25	REV PER NJDEP COMMENTS

NJDEP APPROVAL STAMP

LEGEND

- PROPERTY LINE
- 430 EXISTING CONTOURS
- 427.0 EXISTING SPOT ELEVATION
- EXISTING STORM SEWER
- W EXISTING WATER MAIN
- EXISTING GAS MAIN
- PROPOSED GAS MAIN
- EXISTING SIGN
- EXISTING UTILITY POLE
- PROPOSED GAS VALVE
- EXISTING TREELINE/CANOPY
- EXISTING TREE
- PROPOSED TREELINE
- EXISTING FENCE
- EXISTING RETAINING WALL
- EXISTING PERMANENT EASEMENT/TOPL R.O.W.
- PROPOSED PERMANENT EASEMENT
- PROPOSED LIMIT OF DISTURBANCE
- PROPOSED HDD LIMIT OF DISTURBANCE
- STREAM LINE
- WETLANDS BOUNDARY
- COASTAL WETLANDS BOUNDARY
- TOP OF BANK
- 50' WETLAND TRANSITION AREA
- RIPARIAN BUFFER
- MEAN HIGH WATER LINE
- SPRING HIGH WATER LINE
- MEAN HIGH WATER LINE
- 500' BUFFER
- TIDELANDS
- W-T01-005A-1 PHOTO LOCATION (SEE REPORT)
- 1620 WETLAND FLAGS
- 1432 STATE OPEN WATERS FLAGS
- 1609 FRESHWATER WETLAND/STATE OPEN WATER DATA POINTS

I AM A DULY REGISTERED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF NEW JERSEY AND I HEREBY CERTIFY THAT EXISTING CONDITIONS SHOWN WERE FIELD LOCATED AND PREPARED UNDER MY DIRECT SUPERVISION.

THOMAS J. MURPHY, PLS
DW SMITH ASSOCIATES, LLC
1450 STATE ROUTE 34, WALL, NJ 07753
PROFESSIONAL LAND SURVEYOR
N.J. LIC. NO. 37207 COA NO. 24GA28122400

SIGNATURE DATE

PAULUS, SOKOLOWSKI AND SARTOR, LLC.
1450 ROUTE 34
WALL, NJ 07753
PHONE: (732) 363-5850
CERTIFICATE OF AUTHORIZATION NO. 24GA28032700

ALL DIMENSIONS MUST BE VERIFIED BY THE CONTRACTOR. NOTIFY PAULUS, SOKOLOWSKI AND SARTOR, LLC. OF ANY CONFLICTS, ERRORS, AMBIGUITIES OR DISCREPANCIES IN THE CONTRACT DRAWINGS OR SPECIFICATIONS BEFORE PROCEEDING WITH CONSTRUCTION.

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I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF NEW JERSEY AND I HEREBY CERTIFY THAT THE PROPOSED ENVIRONMENTAL RESTORATION SHOWN ARE ACCURATE AND CORRESPOND WITH THE DESIGN DEPICTED ON THESE ENGINEERING DRAWINGS.

JASON SCHOOLING, P.E.
PS&S, LLC.
1450 HIGHWAY 34, WALL, NJ 07753
PROFESSIONAL ENGINEER
NJ COA NO. 24GA28032700

SIGNATURE DATE

PROJECT

NORTHEAST SUPPLY ENHANCEMENT PROJECT
PROPOSED
26" MADISON LOOP

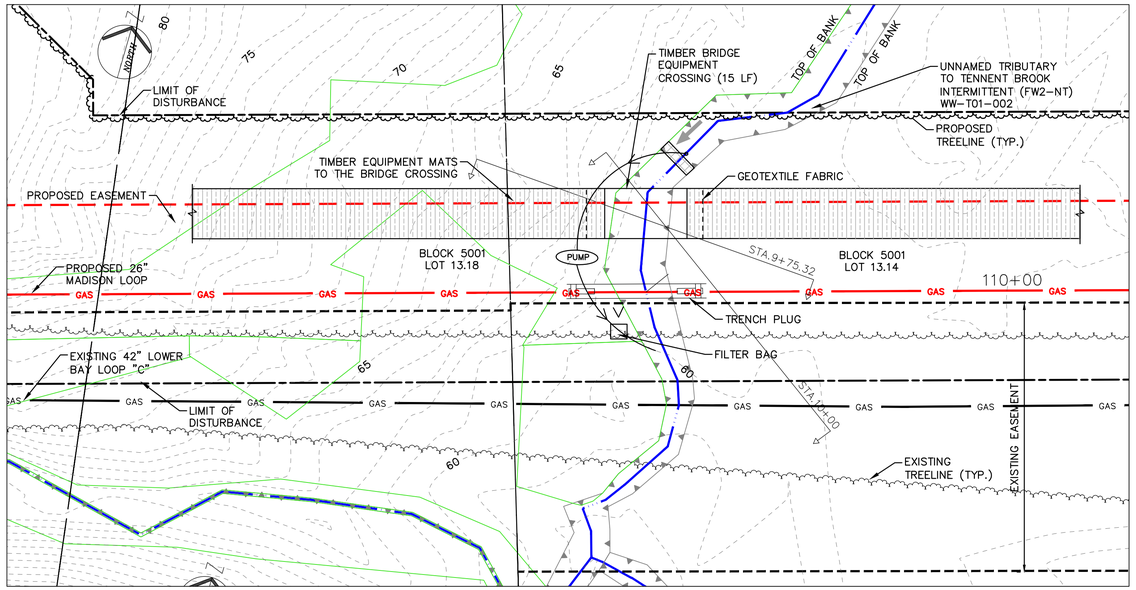
OLD BRIDGE TOWNSHIP & SAYREVILLE BOROUGH
MIDDLESEX COUNTY, NEW JERSEY

SHEET TITLE

SUPPLEMENTAL STREAM CROSSINGS MP 8.61

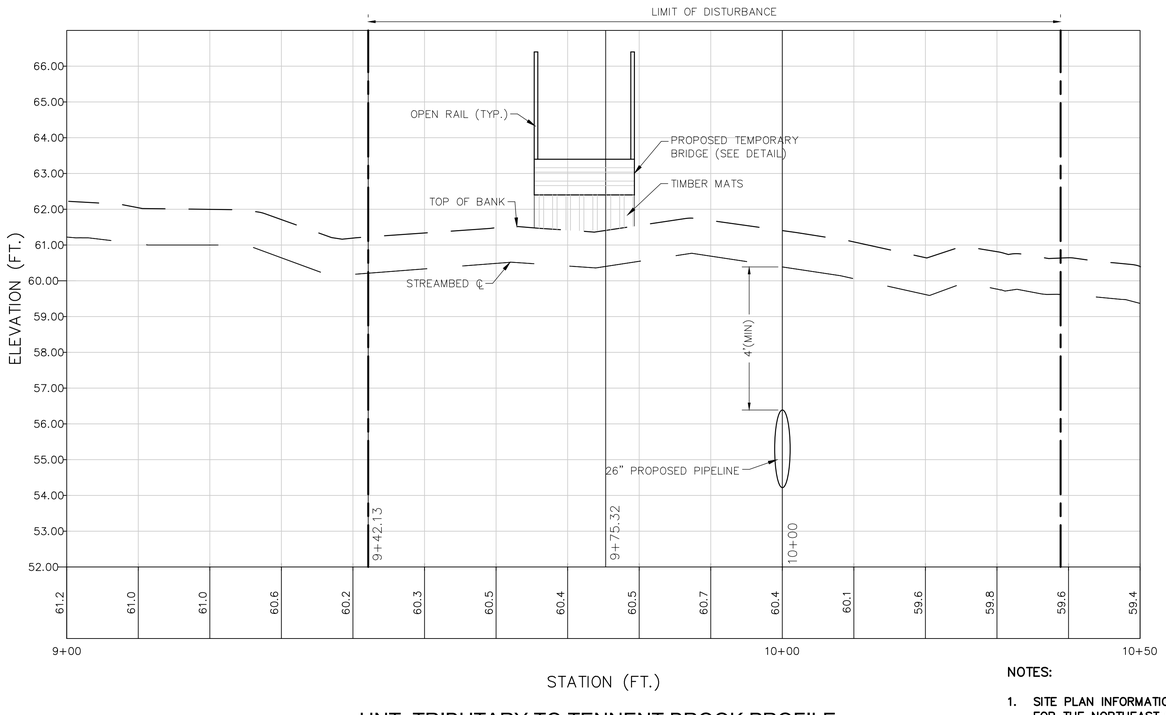
PROJECT NO.: 05731.0002		DRAWN BY:	JPS
SCALE:	1	CHECKED BY:	WS
DATE:	05/21/25	SHEET	1 OF 8
SHEET NO.	1		

N:\NJDEP_Applications\Madison Loop\Drawings\Mp 8p43 SUPP # 26in Loop\MSE # 26in Loop Supplemental Sht\Mp 8.61 - Supplemental Sht.dwg LAST EDIT: 10/09/2025 - 09:21:39 PM LOGIN: jpaulus

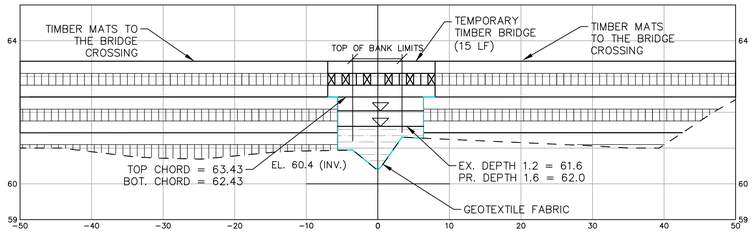


STREAM CROSSING MP - 8.76
(D.A. = 134 AC.)

GRAPHIC SCALE
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(IN FEET)
1 inch = 20 ft.

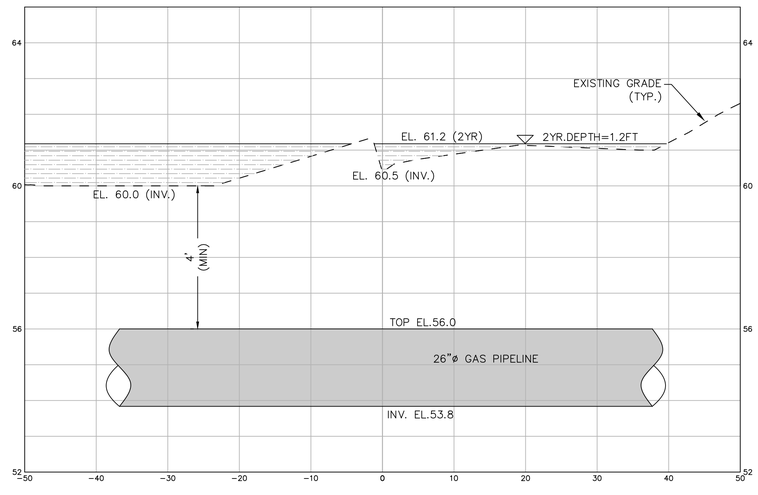


UNT. TRIBUTARY TO TENNENT BROOK PROFILE



9+75.32

MP-8.76
CROSS-SECTION AT STA. 9+75.32 (VIEW DOWNSTREAM)



10+00

MP-8.76
CROSS-SECTION AT STA. 10+00 (VIEW DOWNSTREAM)

NOTES:

1. SITE PLAN INFORMATION TAKEN FROM PLANS ENTITLED "NJDEP LAND USE PERMIT PLANS FOR THE NORTHEAST SUPPLY ENHANCEMENT PROJECT – PROPOSED 26" MADISON LOOP," DATED MAY 21, 2025, PREPARED BY PAULUS, SOKOLOWSKI AND SARTOR, LLC.
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3. SEE SHEET 1 FOR BRIDGE DETAIL.
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HORIZONTAL SCALE
20 0 5 10 20
(IN FEET)
1 inch = 10 ft.

VERTICAL SCALE
2 0 1 2 4
(IN FEET)
1 inch = 2 ft.

REV. / ISSUE	DATE	DESCRIPTION
1	6/13/25	REV PER ADDITIONAL WETLAND DATA
2	10/08/25	REV PER NJDEP COMMENTS

NJDEP APPROVAL STAMP

LEGEND

- PROPERTY LINE
- 430 EXISTING CONTOURS
- 427.0 EXISTING SPOT ELEVATION
- EXISTING STORM SEWER
- W EXISTING WATER MAIN
- EXISTING GAS MAIN
- PROPOSED GAS MAIN
- EXISTING SIGN
- EXISTING UTILITY POLE
- PROPOSED GAS VALVE
- EXISTING TREELINE/CANOPY
- EXISTING TREE
- PROPOSED TREELINE
- EXISTING FENCE
- EXISTING RETAINING WALL
- EXISTING PERMANENT EASEMENT/TGPL R.O.W.
- PROPOSED PERMANENT EASEMENT
- PROPOSED LIMIT OF DISTURBANCE
- PROPOSED HDD LIMIT OF DISTURBANCE
- STREAM LINE
- WETLANDS BOUNDARY
- COASTAL WETLANDS BOUNDARY
- TOP OF BANK
- 50' WETLAND TRANSITION AREA
- RIPARIAN BUFFER
- MEAN HIGH WATER LINE
- SPRING HIGH WATER LINE
- MEAN HIGH WATER LINE
- 500' BUFFER
- TIDELANDS
- W-T01-005A-1 PHOTO LOCATION (SEE REPORT)
- 1620 WETLAND FLAGS
- 1432 STATE OPEN WATERS FLAGS
- 1609 FRESHWATER WETLAND/STATE OPEN WATER DATA POINTS

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THOMAS J. MURPHY, PLS
DW SMITH ASSOCIATES, LLC
1450 STATE ROUTE 34, WALL, NJ 07753
PROFESSIONAL LAND SURVEYOR
N.J. LIC. NO. 37207 COA NO. 24GA28122400

SIGNATURE DATE

PAULUS, SOKOLOWSKI AND SARTOR, LLC.
1450 ROUTE 34
WALL, NJ 07753
PHONE: (732) 363-5850
CERTIFICATE OF AUTHORIZATION NO. 24GA28032700

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I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF NEW JERSEY AND I HEREBY CERTIFY THAT THE PROPOSED ENVIRONMENTAL DESIGN SHOWN ARE ACCURATE AND CORRESPOND WITH THE REFERENCED PROJECT ENGINEERING DRAWINGS.

JASON SCHOOLING, P.E.
PS&S, LLC
1450 HIGHWAY 34, WALL, NJ 07753
PROFESSIONAL ENGINEER
N.J. LIC. NO. 51501 COA NO. 24GA28032700

SIGNATURE DATE

PROJECT

NORTHEAST SUPPLY ENHANCEMENT PROJECT
PROPOSED
26" MADISON LOOP

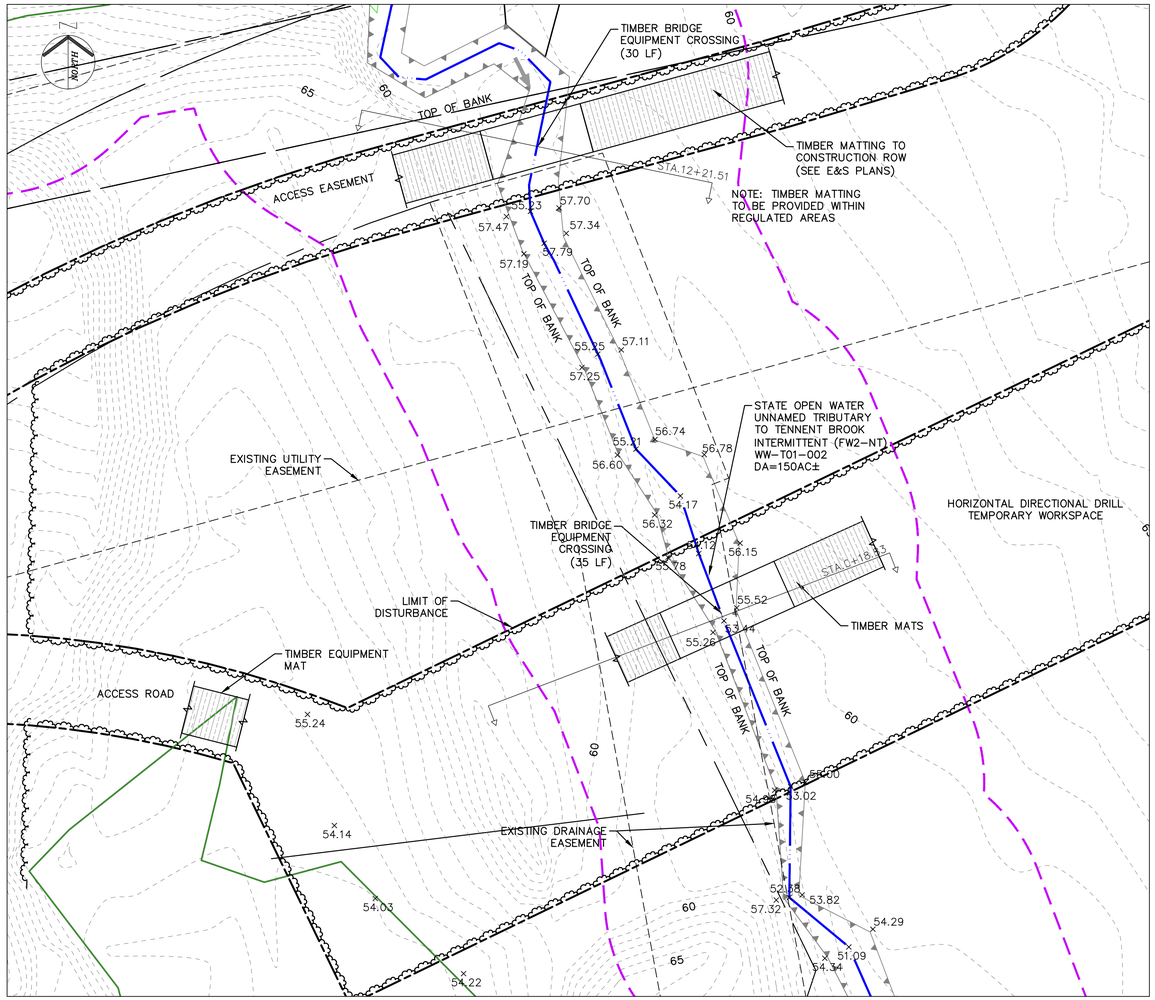
OLD BRIDGE TOWNSHIP & SAYREVILLE BOROUGH
MIDDLESEX COUNTY, NEW JERSEY

SHEET TITLE

SUPPLEMENTAL STREAM CROSSINGS MP 8.76

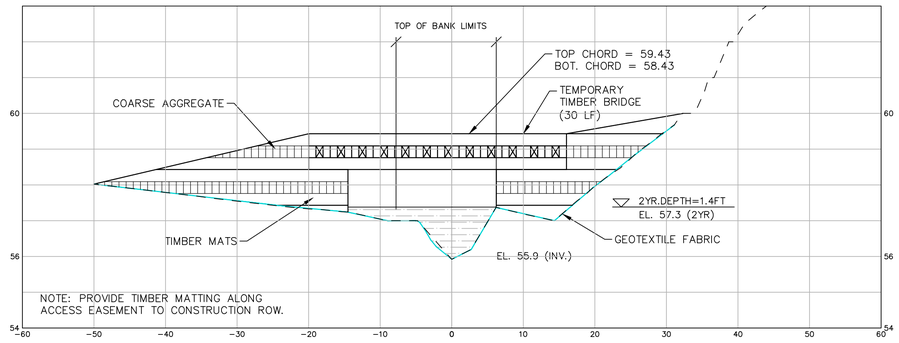
PROJECT NO.: 05731.0002		DRAWN BY:	JPS
SCALE:	AS SHOWN	CHECKED BY:	WS
DATE:	05/21/25	SHEET	2 OF 8
SHEET NO.	2		

PLT BY: JPS LAST EDIT: 10/08/2025 - 09:26:15 AM XREF: P:\05731\0002\MAPS\MXD\Environmental\Stream_Crossings_Supplemental_Exhibit.mxd

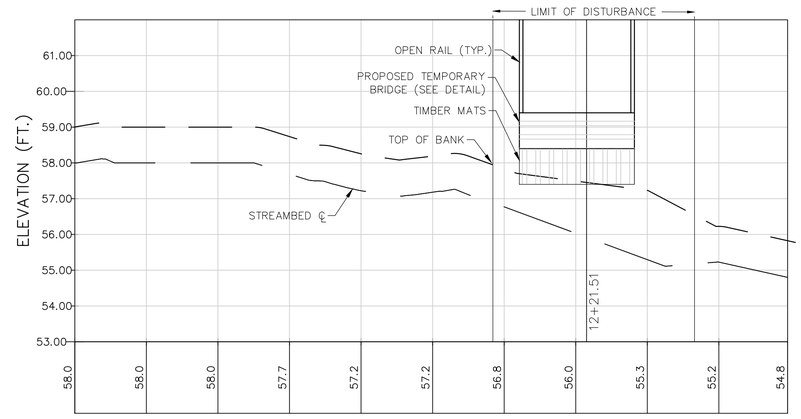


STREAM CROSSING AT MP-8.76 ACCESS ROAD & HDD ACCESS EASEMENT
(D.A. = 150 AC.)

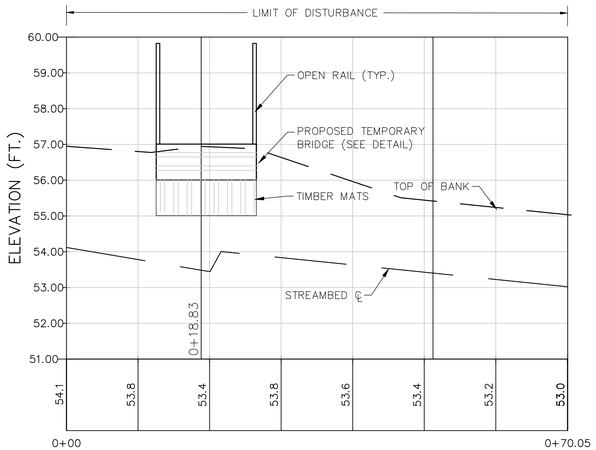
GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1 inch = 20 ft.



MP-8.76: ACCESS ROAD 12+21.51
CROSS-SECTION AT STA. 12+21.51 (VIEW DOWNSTREAM)



ACCESS ROAD
UNT. TRIBUTARY TO TENNENT BROOK PROFILE



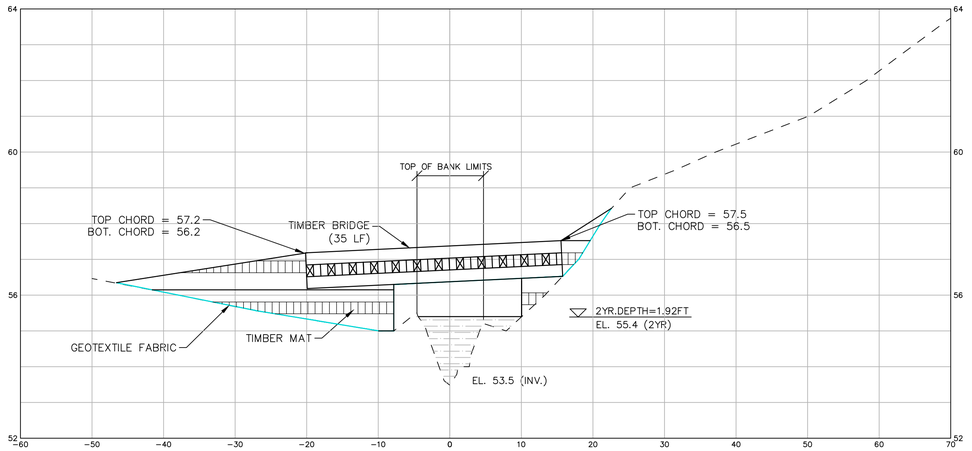
HDD ACCESS EASEMENT
UNT. TRIBUTARY TO TENNENT BROOK PROFILE

NOTES:

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HORIZONTAL SCALE
20 0 5 10 20
(IN FEET)
1 inch = 10 ft.

VERTICAL SCALE
2 0 1 2 4
(IN FEET)
1 inch = 2 ft.



MP-8.76: HDD ACCESS EASEMENT
CROSS-SECTION AT STA. 0+51.22 (VIEW DOWNSTREAM)

REV. / ISSUE	DATE	DESCRIPTION
1	6/13/25	REV PER ADDITIONAL WETLAND DATA
2	10/08/25	REV PER NJDEP COMMENTS

NJDEP APPROVAL STAMP

LEGEND

- PROPERTY LINE
- EXISTING CONTOURS
- EXISTING SPOT ELEVATION
- EXISTING STORM SEWER
- EXISTING WATER MAIN
- EXISTING GAS MAIN
- PROPOSED GAS MAIN
- EXISTING SIGN
- EXISTING UTILITY POLE
- PROPOSED GAS VALVE
- EXISTING TREELINE/CANOPY
- EXISTING TREE
- PROPOSED TREELINE
- EXISTING FENCE
- EXISTING RETAINING WALL
- EXISTING PERMANENT EASEMENT/TOPL R.O.W.
- PROPOSED PERMANENT EASEMENT
- PROPOSED LIMIT OF DISTURBANCE
- PROPOSED HDD LIMIT OF DISTURBANCE
- STREAM LINE
- WETLANDS BOUNDARY
- COASTAL WETLANDS BOUNDARY
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- MEAN HIGH WATER LINE
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- TIDELANDS
- W-T01-005A-1 PHOTO LOCATION (SEE REPORT)
- 1620 WETLAND FLAGS
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THOMAS J. MURPHY, PLS
DW SMITH ASSOCIATES, LLC
1450 STATE ROUTE 34, WALL, NJ 07753
PROFESSIONAL LAND SURVEYOR
N.J. LIC. NO. 37207 COA NO. 24GA28122400

SIGNATURE DATE

PAULUS, SOKOLOWSKI AND SARTOR, LLC.
1450 ROUTE 34
WALL, NJ 07753
PHONE: (732) 363-5850
CERTIFICATE OF AUTHORIZATION NO. 24GA28032700

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JASON SCHOOLING, P.E.
PS&S, LLC.
1450 HIGHWAY 34, WALL, NJ 07753
PROFESSIONAL ENGINEER
N.J. LIC. NO. 53461 COA NO. 24GA28032700

SIGNATURE DATE

PROJECT

NORTHEAST SUPPLY ENHANCEMENT PROJECT
PROPOSED
26" MADISON LOOP

OLD BRIDGE TOWNSHIP & SAYREVILLE BOROUGH
MIDDLESEX COUNTY, NEW JERSEY

SHEET TITLE

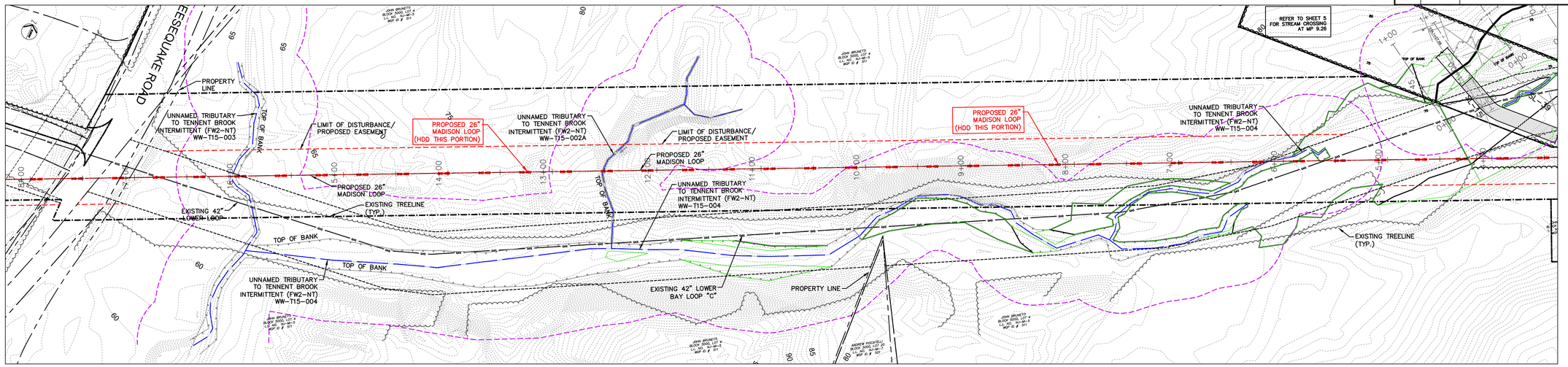
SUPPLEMENTAL STREAM CROSSINGS MP 8.76 ACCESS ROAD

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SCALE:	AS SHOWN	CHECKED BY:	WS
DATE:	05/21/25	SHEET	3 OF 8

SHEET NO. 3

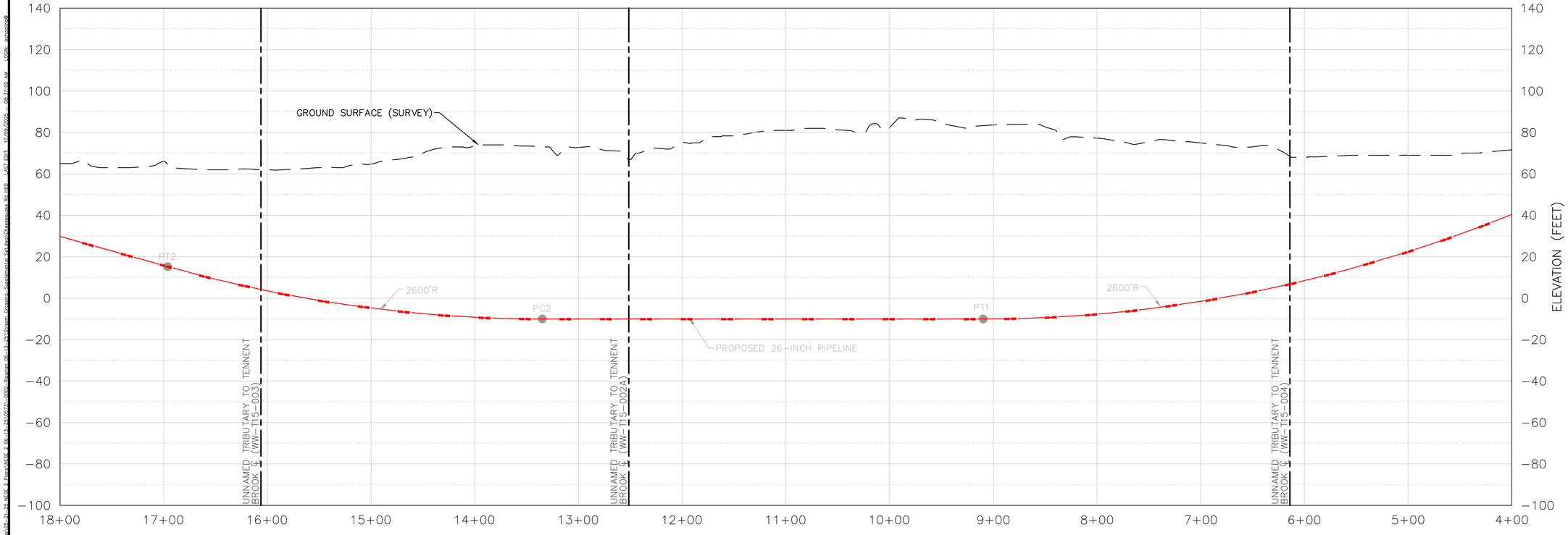
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REV. / ISSUE	DATE	DESCRIPTION
1	6/13/25	REV PER ADDITIONAL WETLAND DATA
2	10/08/25	REV PER NJDEP COMMENTS



STREAM CROSSING AT MP-9.00 - 9.22 CHEESEQUAKE ROAD HDD

GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 inch = 50 ft.



NOTES:

1. SITE PLAN INFORMATION TAKEN FROM PLANS ENTITLED "NJDEP LAND USE PERMIT PLANS FOR THE NORTHEAST SUPPLY ENHANCEMENT PROJECT – PROPOSED 26" MADISON LOOP," DATED MAY 21, 2025, PREPARED BY PAULUS, SOKOLOWSKI AND SARTOR, LLC.
2. HORIZONTAL DIRECTIONAL DRILLING PROFILE TAKEN FROM PLANS ENTITLED "WILLIAMS NORTHEAST SUPPLY ENHANCEMENT – CHEESEQUAKE ROAD HORIZONTAL DIRECTIONAL DRILLING," LAST REVISED AUGUST 13, 2016, PREPARED BY LANEY DIRECTIONAL DRILLING, CO.
3. SEE SHEET 1 FOR BRIDGE DETAIL.
4. THESE PLANS ARE FOR PERMITTING PURPOSES ONLY. THESE PLANS SHALL NOT BE USED FOR CONSTRUCTION.

HORIZONTAL GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 inch = 50 ft.

VERTICAL GRAPHIC SCALE
25 0 25 50
(IN FEET)
1 inch = 25 ft.

NJDEP APPROVAL STAMP

LEGEND

- PROPERTY LINE
- EXISTING CONTOURS
- EXISTING SPOT ELEVATION
- EXISTING STORM SEWER
- EXISTING WATER MAIN
- EXISTING GAS MAIN
- PROPOSED GAS MAIN
- EXISTING SIGN
- EXISTING UTILITY POLE
- PROPOSED GAS VALVE
- EXISTING TREELINE/CANOPY
- EXISTING TREE
- PROPOSED TREELINE
- EXISTING FENCE
- EXISTING RETAINING WALL
- EXISTING PERMANENT EASEMENT/TGPL R.O.W.
- PROPOSED PERMANENT EASEMENT
- PROPOSED LIMIT OF DISTURBANCE
- PROPOSED HDD LIMIT OF DISTURBANCE
- STREAM LINE
- WETLANDS BOUNDARY
- COASTAL WETLANDS BOUNDARY
- TOP OF BANK
- 50' WETLAND TRANSITION AREA
- RIPARIAN BUFFER
- MEAN HIGH WATER LINE
- SPRING HIGH WATER LINE
- MEAN HIGH WATER LINE
- 500' BUFFER
- TIDELANDS
- W-T01-005A-1 PHOTO LOCATION (SEE REPORT)
- 1620 WETLAND FLAGS
- 1432 STATE OPEN WATERS FLAGS
- 1609 FRESHWATER WETLAND/STATE OPEN WATER DATA POINTS

I AM A DULY REGISTERED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF NEW JERSEY AND I HEREBY CERTIFY THAT EXISTING CONDITIONS SHOWN WERE FIELD LOCATED AND PREPARED UNDER MY DIRECT SUPERVISION.

THOMAS J. MURPHY, PLS
DW SMITH ASSOCIATES, LLC
1450 STATE ROUTE 34, WALL, NJ 07753
PROFESSIONAL LAND SURVEYOR
N.J. LIC. NO. 37207 COA NO. 24GA28122400

SIGNATURE DATE

PAULUS, SOKOLOWSKI AND SARTOR, LLC.
1450 ROUTE 34
WALL, NJ 07753
PHONE: (732) 363-5850
CERTIFICATE OF AUTHORIZATION NO. 24GA28032700

ALL DIMENSIONS MUST BE VERIFIED BY THE CONTRACTOR. NOTIFY PAULUS, SOKOLOWSKI AND SARTOR, LLC OF ANY CONFLICTS, ERRORS, AMBIGUITIES, OR DISCREPANCIES IN THE CONTRACT DRAWINGS OR SPECIFICATIONS BEFORE PROCEEDING WITH CONSTRUCTION.

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THESE CONTRACT DRAWINGS CONTAIN DATA INTENDED SPECIFICALLY FOR THE NOTED PROJECT AND CLIENT. THEY ARE NOT INTENDED FOR USE ON EXTENSIONS OF THIS PROJECT OR FOR REUSE ON ANY OTHER PROJECT.

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UNLESS THESE DRAWINGS ARE SPECIFICALLY DESIGNATED AS "CONSTRUCTION ISSUE", THESE DRAWINGS SHALL NOT BE USED FOR CONSTRUCTION OR IMPROVEMENTS DEPICTED HEREIN. CONTRACTORS SHALL NOTIFY THE DESIGN ENGINEER TO OBTAIN CONSTRUCTION DOCUMENTS.

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I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF NEW JERSEY AND I CERTIFY THAT THE PROPOSED ENVIRONMENTAL SITE FEATURES SHOWN ARE ACCURATE, AND CORRESPOND WITH THE DESIGNED DETAILED ENGINEERING DRAWINGS.

JASON SCHOOLING, P.E.
PS&S, LLC
1450 HIGHWAY 34, WALL, NJ 07753
PROFESSIONAL ENGINEER
N.J. LIC. NO. 24GE05041901 COA NO. 24GA28032700

SIGNATURE DATE

PROJECT

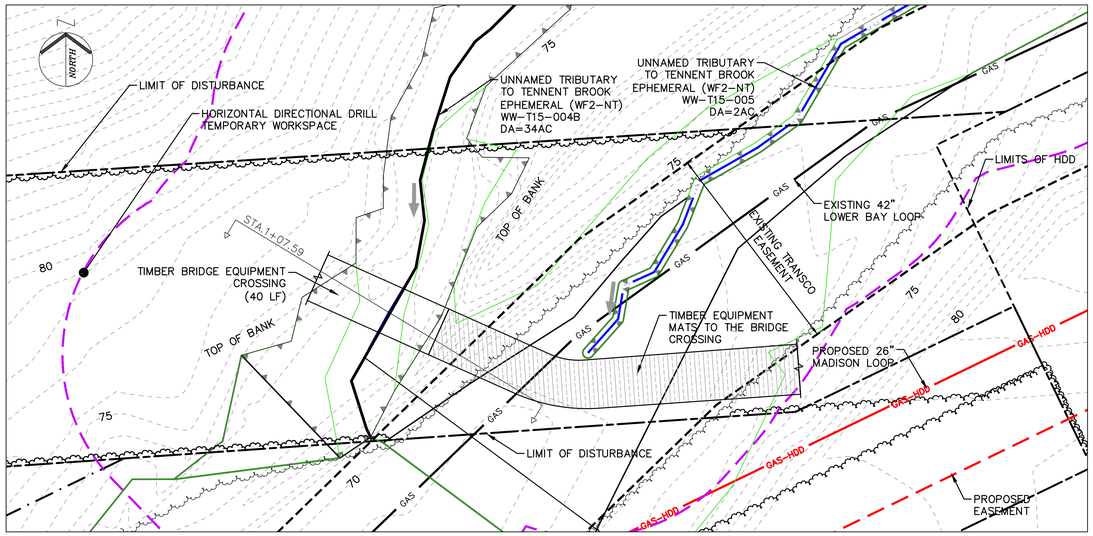
NORTHEAST SUPPLY ENHANCEMENT PROJECT
PROPOSED
26" MADISON LOOP

OLD BRIDGE TOWNSHIP & SAYREVILLE BOROUGH
MIDDLESEX COUNTY, NEW JERSEY

SHEET TITLE

SUPPLEMENTAL STREAM CROSSINGS MP 9.00 - 9.22 CHEESEQUAKE ROAD HDD

PROJECT NO.:	05731.0002	DRAWN BY:	JPS
SCALE:	AS SHOWN	CHECKED BY:	WS
DATE:	05/21/25	SHEET	4 OF 8
SHEET NO.	4		



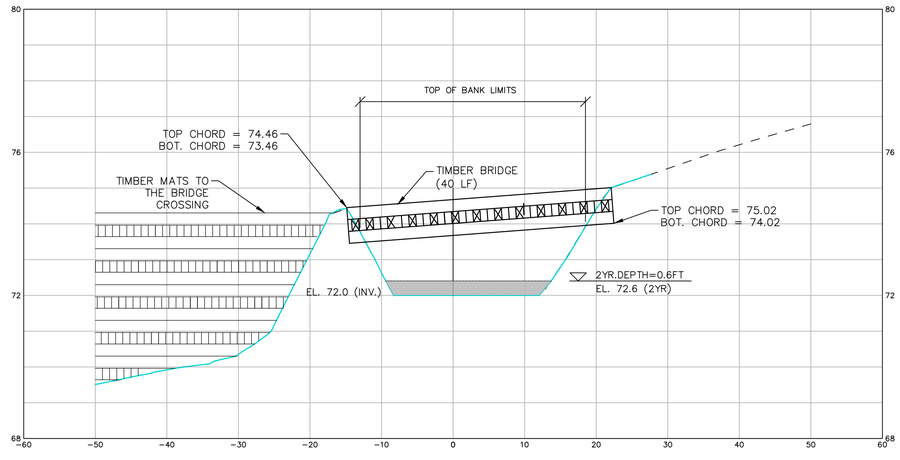
GRAPHIC SCALE

20 0 10 20 40

(IN FEET)

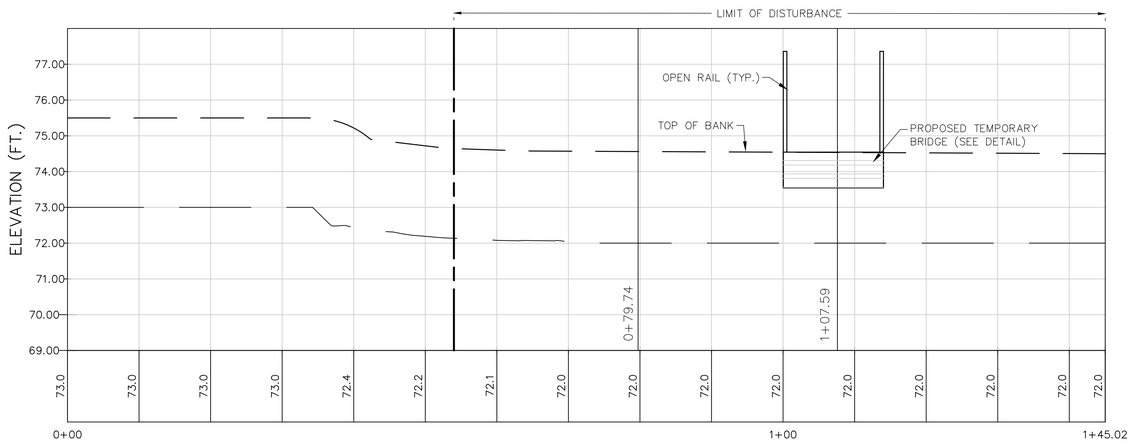
1 inch = 20 ft.

STREAM CROSSING MP - 9.26 (D.A. = 34 AC.)



1+07.59

MP-9.26
CROSS-SECTIONS VIEW DOWNSTREAM



NOTES:

1. SITE PLAN INFORMATION TAKEN FROM PLANS ENTITLED "NJDEP LAND USE PERMIT PLANS FOR THE NORTHEAST SUPPLY ENHANCEMENT PROJECT – PROPOSED 26" MADISON LOOP," DATED MAY 21, 2025, PREPARED BY PAULUS, SOKOLOWSKI AND SARTOR, LLC.
2. CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES FOR ALL BRIDGE EQUIPMENT CROSSINGS. TEMPORARY BRIDGES SHALL BE LARGE ENOUGH TO CONVEY FLOW EXPECTED FROM A 2-YEAR FREQUENCY, 24-HOUR DURATION STORM WITHOUT ALTERING STREAM FLOW CHARACTERISTICS. INSTALLATION OF BRIDGE EQUIPMENT AND FILTRATION DEVICES IN PLAN MAY VARY BASED ON SITE SPECIFIC CONDITIONS.
3. SEE SHEET 1 FOR BRIDGE DETAIL.
4. THESE PLANS ARE FOR PERMITTING PURPOSES ONLY. THESE PLANS SHALL NOT BE USED FOR CONSTRUCTION.

HORIZONTAL SCALE

20 0 5 10 20

(IN FEET)

1 inch = 10 ft.

VERTICAL SCALE

2 0 1 2 4

(IN FEET)

1 inch = 2 ft.

REV. / ISSUE	DATE	DESCRIPTION
1	6/13/25	REV PER ADDITIONAL WETLAND DATA
2	10/08/25	REV PER NJDEP COMMENTS

NJDEP APPROVAL STAMP

LEGEND

- PROPERTY LINE
- EXISTING CONTOURS
- EXISTING SPOT ELEVATION
- EXISTING STORM SEWER
- EXISTING WATER MAIN
- EXISTING GAS MAIN
- PROPOSED GAS MAIN
- EXISTING SIGN
- EXISTING UTILITY POLE
- PROPOSED GAS VALVE
- EXISTING TREELINE/CANOPY
- EXISTING TREE
- PROPOSED TREELINE
- EXISTING FENCE
- EXISTING RETAINING WALL
- EXISTING PERMANENT EASEMENT/TGPL R.O.W.
- PROPOSED PERMANENT EASEMENT
- PROPOSED LIMIT OF DISTURBANCE
- PROPOSED HDD LIMIT OF DISTURBANCE
- STREAM LINE
- WETLANDS BOUNDARY
- COASTAL WETLANDS BOUNDARY
- TOP OF BANK
- 50' WETLAND TRANSITION AREA
- RIPARIAN BUFFER
- MEAN HIGH WATER LINE
- SPRING HIGH WATER LINE
- MEAN HIGH WATER LINE
- 500' BUFFER
- TIDELANDS
- W-T01-005A-1 PHOTO LOCATION (SEE REPORT)
- 1620 WETLAND FLAGS
- 1432 STATE OPEN WATERS FLAGS
- 1609 FRESHWATER WETLAND/STATE OPEN WATER DATA POINTS

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THOMAS J. MURPHY, PLS
DW SMITH ASSOCIATES, LLC
1450 STATE ROUTE 34, WALL, NJ 07753
PROFESSIONAL LAND SURVEYOR
N.J. LIC. NO. 37207 COA NO. 24GA28122400

SIGNATURE DATE

PAULUS, SOKOLOWSKI AND SARTOR, LLC.
1450 ROUTE 34
WALL, NJ 07753
PHONE: (732) 363-5850

CERTIFICATE OF AUTHORIZATION NO. 24GA28032700

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I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF NEW JERSEY AND I HEREBY CERTIFY THAT THE PROPOSED ENVIRONMENTAL IMPROVEMENTS SHOWN ARE ACCURATE AND CORRESPOND WITH THE INFORMATION PROVIDED ENGINEERING DRAWINGS.

JASON SCHOOLING, P.E.
PS&S, LLC
1450 HIGHWAY 34, WALL, NJ 07753
PROFESSIONAL ENGINEER
N.J. LIC. NO. 24GE05[illegible] COA NO. 24GA28032700

SIGNATURE DATE

PROJECT

NORTHEAST SUPPLY ENHANCEMENT PROJECT
PROPOSED
26" MADISON LOOP

OLD BRIDGE TOWNSHIP & SAYREVILLE BOROUGH
MIDDLESEX COUNTY, NEW JERSEY

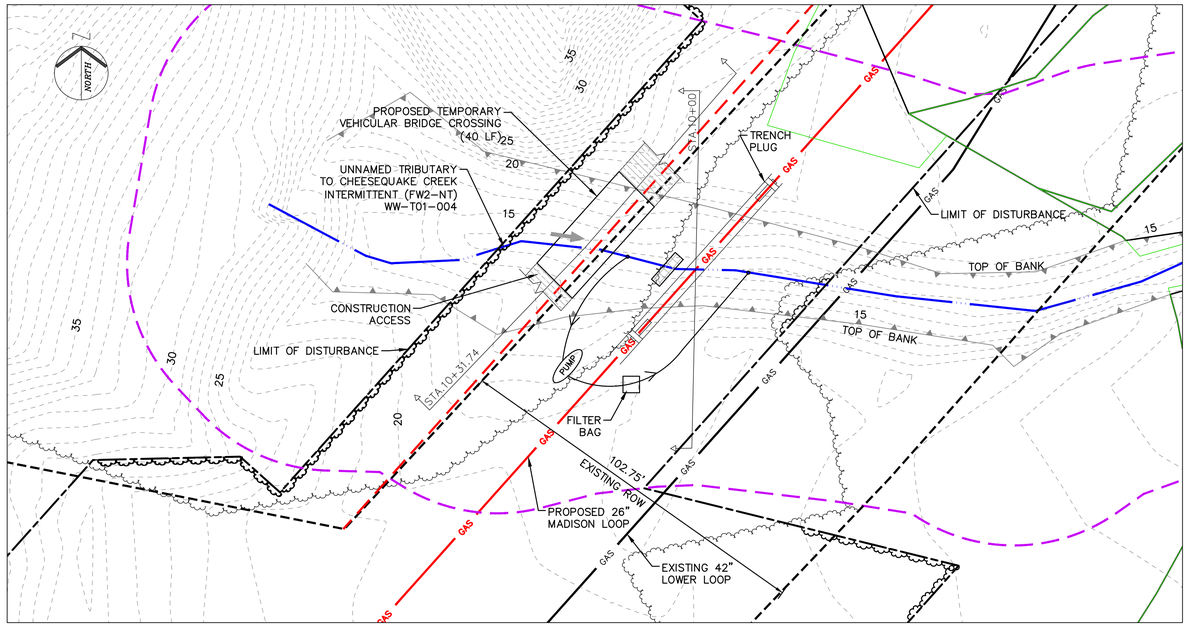
SHEET TITLE

SUPPLEMENTAL STREAM CROSSINGS MP 9.26

PROJECT NO.: 05731.0002		DRAWN BY:	JPS
SCALE:	AS SHOWN	CHECKED BY:	WS
DATE:	05/21/25	SHEET 5 OF 8	
SHEET NO.			

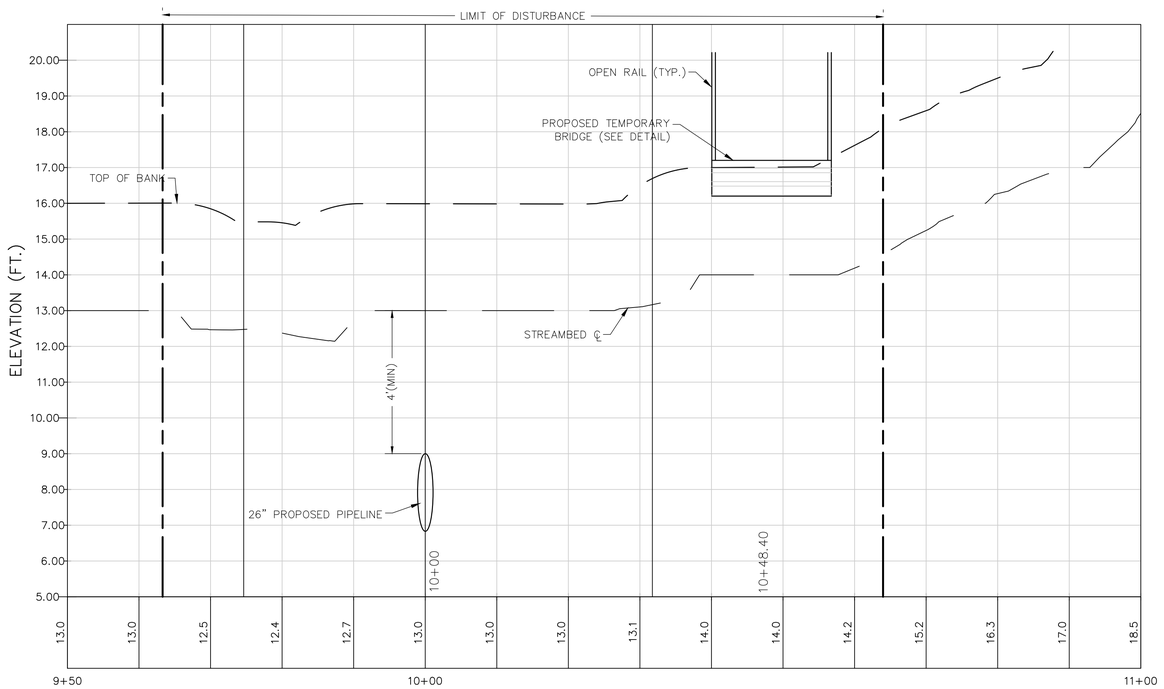
5

PLOTTED: By:JASON.SCHOOLING@PSANDS.COM at: 10/8/2025 - 8:24:07 PM
G:\05731.0002\ENGR\ACAD\Construction\05-31-24 NJSE 2 26-in Madison Loop\Supplemental Stream\MP 9.26 - JUST THIS - 10-08-2025 - 08-24-07 PM



STREAM CROSSING MP - 10.05
(D.A. = 3.8 AC.)

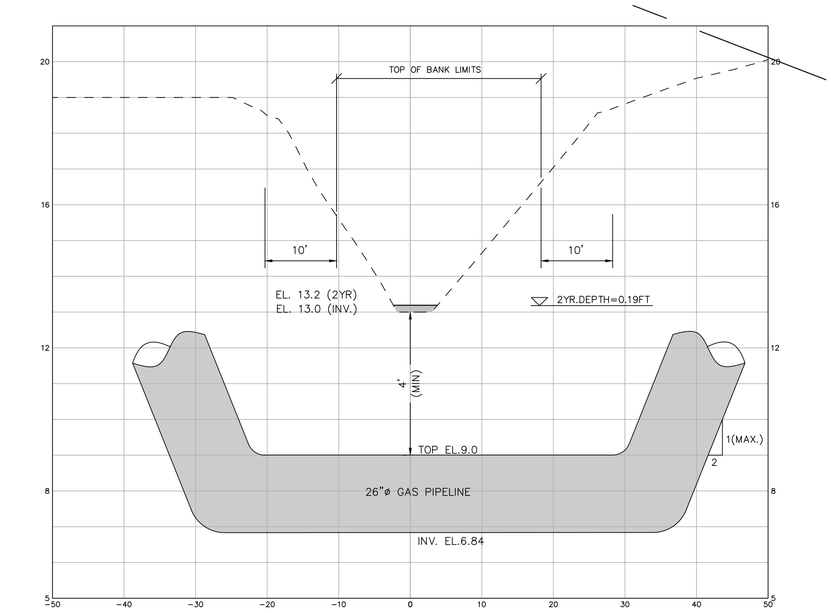
GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1 inch = 20 ft.



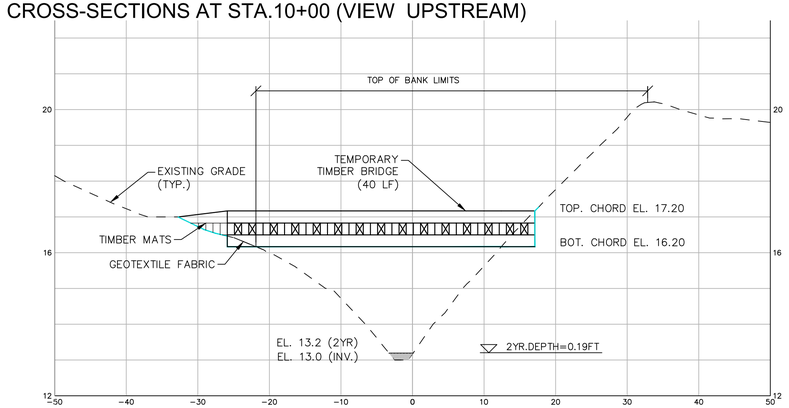
UNT. TRIBUTARY TO CHEESEQUAKE CREEK PROFILE

HORIZONTAL SCALE
20 0 5 10 20
(IN FEET)
1 inch = 10 ft.

VERTICAL SCALE
2 0 1 2 4
(IN FEET)
1 inch = 2 ft.



10+00
CROSS-SECTIONS AT STA.10+00 (VIEW UPSTREAM)



10+31.74
CROSS-SECTIONS AT STA.10+48.40 (VIEW UPSTREAM)

NOTES:

1. SITE PLAN INFORMATION TAKEN FROM PLANS ENTITLED "NJDEP LAND USE PERMIT PLANS FOR THE NORTHEAST SUPPLY ENHANCEMENT PROJECT – PROPOSED 26" MADISON LOOP," DATED MAY 21, 2025, PREPARED BY PAULUS, SOKOLOWSKI AND SARTOR, LLC.
2. CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES FOR ALL BRIDGE EQUIPMENT CROSSINGS. TEMPORARY BRIDGES SHALL BE LARGE ENOUGH TO CONVEY FLOW EXPECTED FROM A 2-YEAR FREQUENCY, 24-HOUR DURATION STORM WITHOUT ALTERING STREAM FLOW CHARACTERISTICS. INSTALLATION OF BRIDGE EQUIPMENT AND FILTRATION DEVICES IN PLAN MAY VARY BASED ON SITE SPECIFIC CONDITIONS.
3. SEE SHEET 1 FOR BRIDGE DETAIL.
4. THESE PLANS ARE FOR PERMITTING PURPOSES ONLY. THESE PLANS SHALL NOT BE USED FOR CONSTRUCTION.

REV. / ISSUE	DATE	DESCRIPTION
1	6/13/25	REV PER ADDITIONAL WETLAND DATA
2	10/08/25	REV PER NJDEP COMMENTS

NJDEP APPROVAL STAMP

LEGEND

- PROPERTY LINE
- EXISTING CONTOURS
- EXISTING SPOT ELEVATION
- EXISTING STORM SEWER
- EXISTING WATER MAIN
- EXISTING GAS MAIN
- PROPOSED GAS MAIN
- EXISTING SIGN
- EXISTING UTILITY POLE
- PROPOSED GAS VALVE
- EXISTING TREELINE/CANOPY
- EXISTING TREE
- PROPOSED TREELINE
- EXISTING FENCE
- EXISTING RETAINING WALL
- EXISTING PERMANENT EASEMENT/TGPL R.O.W.
- PROPOSED PERMANENT EASEMENT
- PROPOSED LIMIT OF DISTURBANCE
- PROPOSED HDD LIMIT OF DISTURBANCE
- STREAM LINE
- WETLANDS BOUNDARY
- COASTAL WETLANDS BOUNDARY
- TOP OF BANK
- 50' WETLAND TRANSITION AREA
- RIPARIAN BUFFER
- MEAN HIGH WATER LINE
- SPRING HIGH WATER LINE
- MEAN HIGH WATER LINE
- 500' BUFFER
- TIDELANDS
- PHOTO LOCATION (SEE REPORT)
- WETLAND FLAGS
- STATE OPEN WATERS FLAGS
- FRESHWATER WETLAND/STATE OPEN WATER DATA POINTS

I AM A DULY REGISTERED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF NEW JERSEY AND I HEREBY CERTIFY THAT EXISTING CONDITIONS SHOWN WERE FIELD LOCATED AND PREPARED UNDER MY DIRECT SUPERVISION.

THOMAS J. MURPHY, PLS
DW SMITH ASSOCIATES, LLC
1450 STATE ROUTE 34, WALL, NJ 07753
PROFESSIONAL LAND SURVEYOR
N.J. LIC. NO. 37207 COA NO. 24GA28122400

SIGNATURE DATE

PAULUS, SOKOLOWSKI AND SARTOR, LLC.
1450 ROUTE 34
WALL, NJ 07753
PHONE: (732) 363-5850

CERTIFICATE OF AUTHORIZATION NO. 24GA28032700

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JASON SCHOOLING, P.E.
PS&S, LLC
1450 HIGHWAY 34, WALL, NJ 07753
PROFESSIONAL ENGINEER
N.J. LIC. NO. 24GE05043700 COA NO. 24GA28032700

SIGNATURE DATE

PROJECT
NORTHEAST SUPPLY ENHANCEMENT PROJECT
PROPOSED
26" MADISON LOOP
OLD BRIDGE TOWNSHIP & SAYREVILLE BOROUGH
MIDDLESEX COUNTY, NEW JERSEY

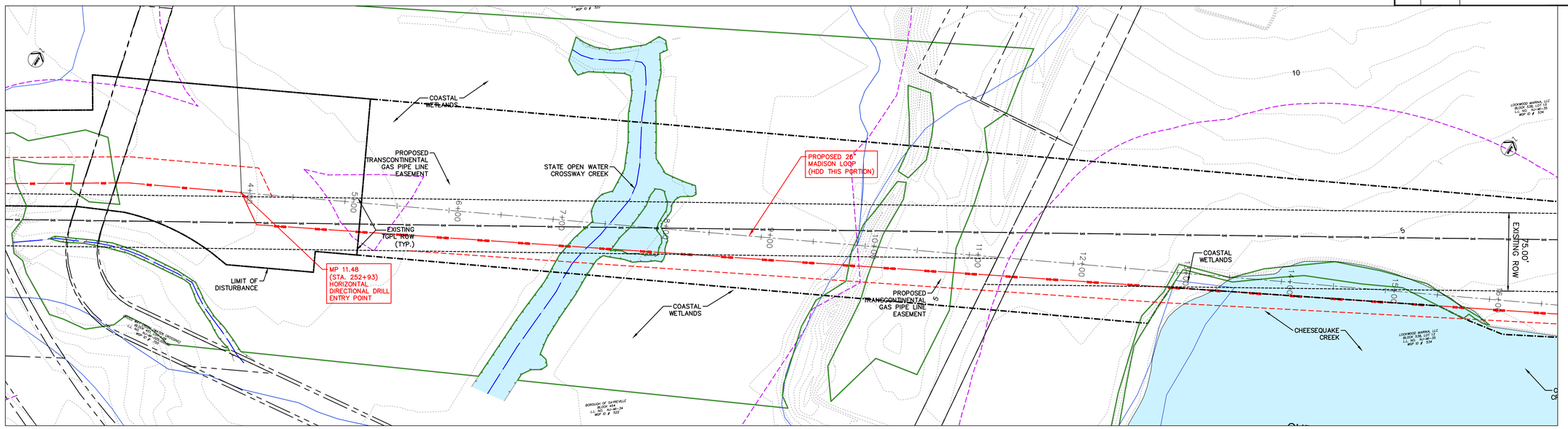
SHEET TITLE
SUPPLEMENTAL STREAM CROSSINGS MP 10.05

PROJECT NO.: 05731.0002 | DRAWN BY: JPS
SCALE: AS SHOWN | CHECKED BY: WS
DATE: 05/21/25 | SHEET 6 OF 8
SHEET NO.
6

PLOT NAME: P:\05731\0002\WORK\06\Civil\Plotting\06-21-25\05731-0002-Sheet 06-13-25\Stream Crossing Supplemental Sht.dwg PLOT DATE: 10/08/2025 - 04:53:32 PM USER: jschooling

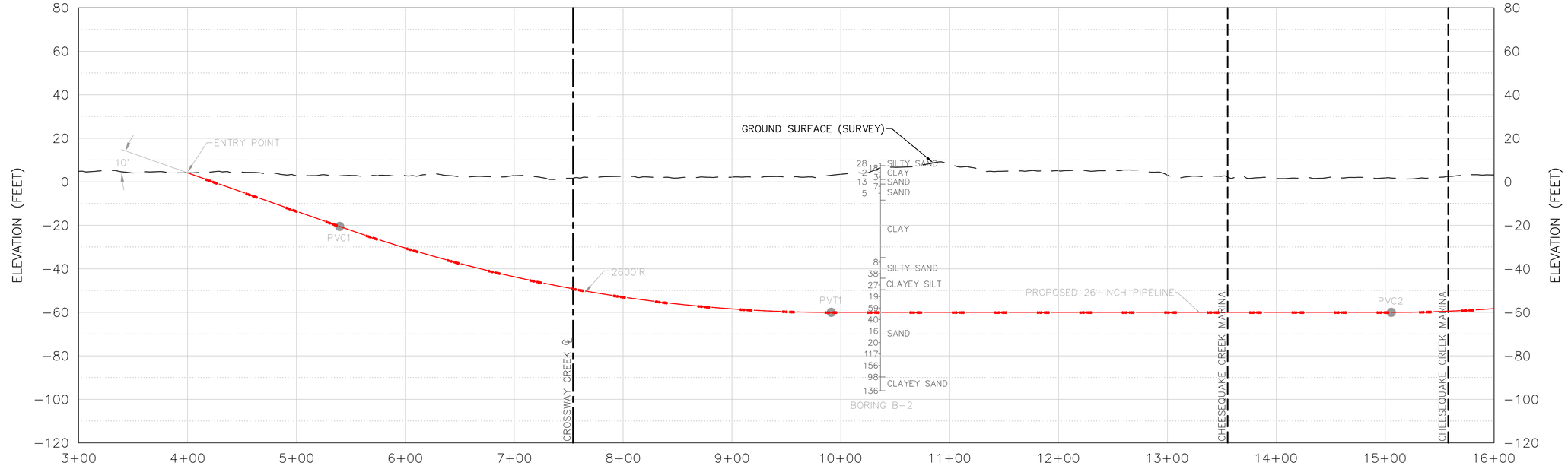
REV. / ISSUE	DATE	DESCRIPTION
1	6/13/25	REV PER ADDITIONAL WETLAND DATA
2	10/08/25	REV PER NJDEP COMMENTS

NJDEP APPROVAL STAMP



GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 inch = 50 ft.

STREAM CROSSING AT MP-11.45 - 11.70 MARINA HDD



NOTES:

1. SITE PLAN INFORMATION TAKEN FROM PLANS ENTITLED "NJDEP LAND USE PERMIT PLANS FOR THE NORTHEAST SUPPLY ENHANCEMENT PROJECT – PROPOSED 26" MADISON LOOP," DATED MAY 21, 2025, PREPARED BY PAULUS, SOKOLOWSKI AND SARTOR, LLC.
2. HORIZONTAL DIRECTIONAL DRILLING PROFILE TAKEN FROM PLANS ENTITLED "WILLIAMS NORTHEAST SUPPLY ENHANCEMENT – LOCKWOOD MARINA HORIZONTAL DIRECTIONAL DRILLING," LAST REVISED JUNE 19, 2016, PREPARED BY LANEY DIRECTIONAL DRILLING, CO.
3. SEE SHEET 1 FOR BRIDGE DETAIL.
4. THESE PLANS ARE FOR PERMITTING PURPOSES ONLY. THESE PLANS SHALL NOT BE USED FOR CONSTRUCTION.

HORIZONTAL GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 inch = 50 ft.

VERTICAL GRAPHIC SCALE
25 0 25 50
(IN FEET)
1 inch = 25 ft.

LEGEND

- PROPERTY LINE
- 430 EXISTING CONTOURS
- 427.0 EXISTING SPOT ELEVATION
- W EXISTING STORM SEWER
- EXISTING WATER MAIN
- EXISTING GAS MAIN
- PROPOSED GAS MAIN
- EXISTING SIGN
- EXISTING UTILITY POLE
- PROPOSED GAS VALVE
- EXISTING TREELINE/CANOPY
- EXISTING TREE
- PROPOSED TREELINE
- EXISTING FENCE
- EXISTING RETAINING WALL
- EXISTING PERMANENT EASEMENT/TGPL R.O.W.
- PROPOSED PERMANENT EASEMENT
- PROPOSED LIMIT OF DISTURBANCE
- PROPOSED HDD LIMIT OF DISTURBANCE
- STREAM LINE
- WETLANDS BOUNDARY
- COASTAL WETLANDS BOUNDARY
- TOP OF BANK
- 50' WETLAND TRANSITION AREA
- RIPARIAN BUFFER
- MEAN HIGH WATER LINE
- SPRING HIGH WATER LINE
- MEAN HIGH WATER LINE
- 500' BUFFER
- TIDELANDS
- W-T01-005A-1 PHOTO LOCATION (SEE REPORT)
- 1620 WETLAND FLAGS
- 1432 STATE OPEN WATERS FLAGS
- 1609 FRESHWATER WETLAND/STATE OPEN WATER DATA POINTS

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THOMAS J. MURPHY, PLS
DW SMITH ASSOCIATES, LLC
1450 STATE ROUTE 34, WALL, NJ 07753
PROFESSIONAL LAND SURVEYOR
N.J. LIC. NO. 37207 COA NO. 24GA28122400

SIGNATURE DATE

PAULUS, SOKOLOWSKI AND SARTOR, LLC.
1450 ROUTE 34
WALL, NJ 07753
PHONE: (732) 363-5850
CERTIFICATE OF AUTHORIZATION NO. 24GA28032700

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JASON SCHOOLING, P.E.
PS&S, LLC
1450 HIGHWAY 34, WALL, NJ 07753
PROFESSIONAL ENGINEER
N.J. LIC. NO. 24GE05042700 COA NO. 24GA28032700

SIGNATURE DATE

PROJECT

NORTHEAST SUPPLY ENHANCEMENT PROJECT
PROPOSED
26" MADISON LOOP

OLD BRIDGE TOWNSHIP & SAYREVILLE BOROUGH
MIDDLESEX COUNTY, NEW JERSEY

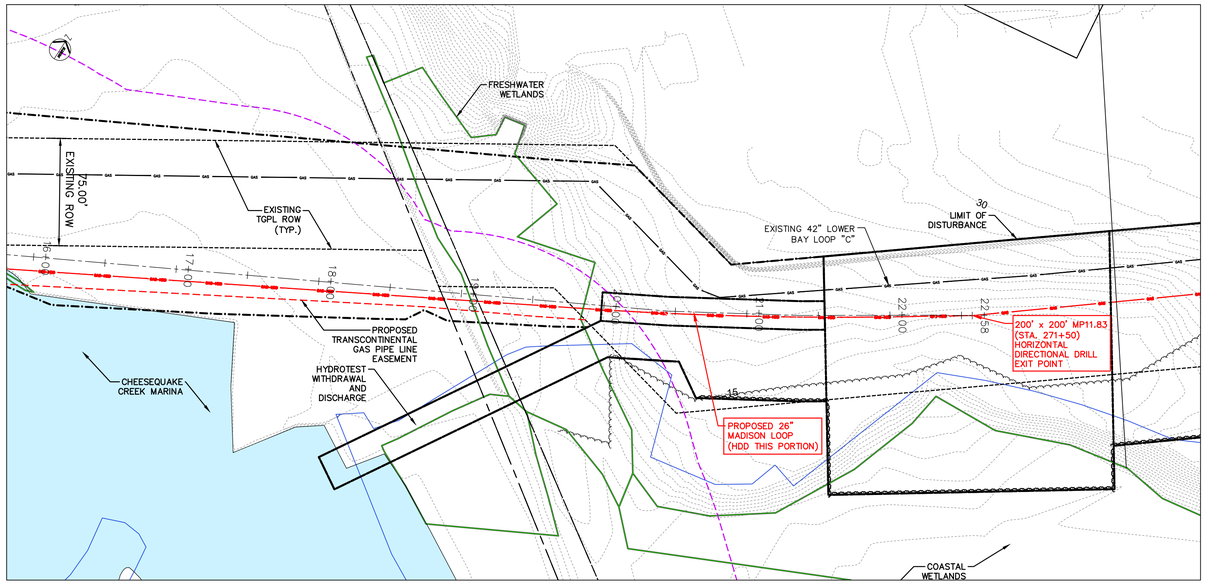
SHEET TITLE

SUPPLEMENTAL STREAM CROSSINGS MP 11.45 - 11.70 MARINA HDD

PROJECT NO.:	05731.0002	DRAWN BY:	JPS
SCALE:	AS SHOWN	CHECKED BY:	WS
DATE:	05/21/25	SHEET	7 OF 8
SHEET NO.	7		

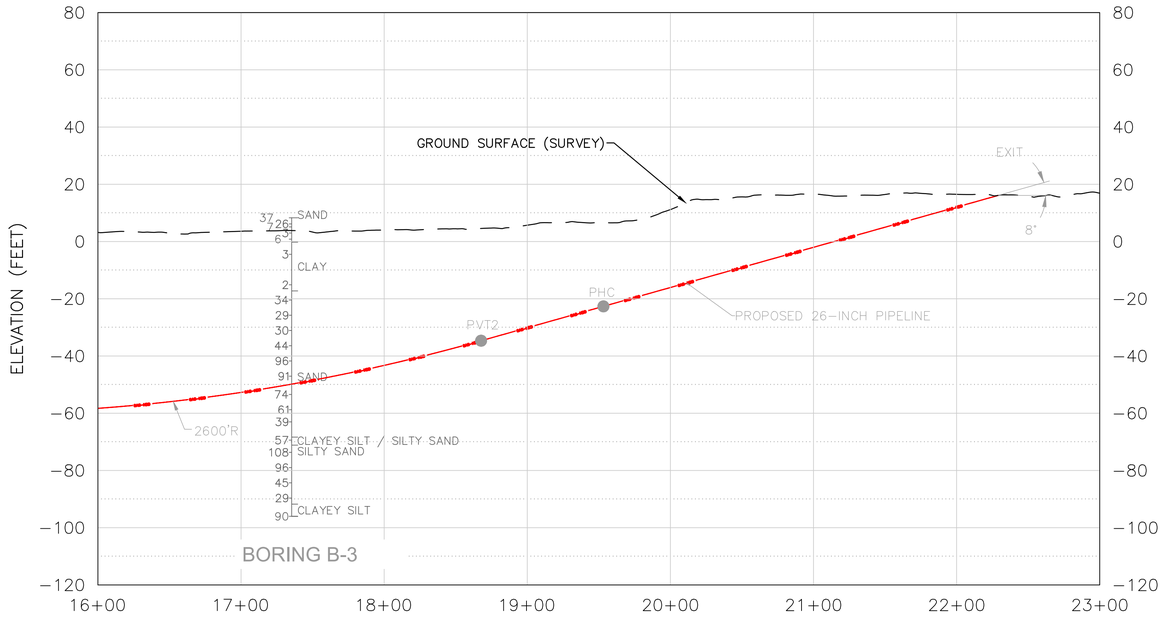
P:\05731\0002\ENGR\CAD\LD Drawings\LDP Plansets\LDP-7.dwg NJSE 2 20x36 Plan\NJSE 2 20x36 Stream Crossing Supplemental Sheets\MARINA HDD LAST DATE: 10/08/2025 08:45:53 AM

REV. / ISSUE	DATE	DESCRIPTION
1	6/13/25	REV PER ADDITIONAL WETLAND DATA
2	10/08/25	REV PER NJDEP COMMENTS



STREAM CROSSING AT MP-17.00 - 11.85 MARINA HDD

GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 inch = 50 ft.



NOTES:

1. SITE PLAN INFORMATION TAKEN FROM PLANS ENTITLED "NJDEP LAND USE PERMIT PLANS FOR THE NORTHEAST SUPPLY ENHANCEMENT PROJECT – PROPOSED 26" MADISON LOOP," DATED MAY 21, 2025, PREPARED BY PAULUS, SOKOLOWSKI AND SARTOR, LLC.
2. HORIZONTAL DIRECTIONAL DRILLING PROFILE TAKEN FROM PLANS ENTITLED "WILLIAMS NORTHEAST SUPPLY ENHANCEMENT – LOCKWOOD MARINA HORIZONTAL DIRECTIONAL DRILLING," LAST REVISED JUNE 19, 2016, PREPARED BY LANEY DIRECTIONAL DRILLING, CO.
3. SEE SHEET 1 FOR BRIDGE DETAIL.
4. THESE PLANS ARE FOR PERMITTING PURPOSES ONLY. THESE PLANS SHALL NOT BE USED FOR CONSTRUCTION.

HORIZONTAL GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 inch = 50 ft.

VERTICAL GRAPHIC SCALE
25 0 25 50
(IN FEET)
1 inch = 25 ft.

NJDEP APPROVAL STAMP

LEGEND

- PROPERTY LINE
- EXISTING CONTOURS
- EXISTING SPOT ELEVATION
- EXISTING STORM SEWER
- EXISTING WATER MAIN
- EXISTING GAS MAIN
- PROPOSED GAS MAIN
- EXISTING SIGN
- EXISTING UTILITY POLE
- PROPOSED GAS VALVE
- EXISTING TREELINE/CANOPY
- EXISTING TREE
- PROPOSED TREELINE
- EXISTING FENCE
- EXISTING RETAINING WALL
- EXISTING PERMANENT EASEMENT/TGPL R.O.W.
- PROPOSED PERMANENT EASEMENT
- PROPOSED LIMIT OF DISTURBANCE
- PROPOSED HDD LIMIT OF DISTURBANCE
- STREAM LINE
- WETLANDS BOUNDARY
- COASTAL WETLANDS BOUNDARY
- TOP OF BANK
- 50' WETLAND TRANSITION AREA
- RIPARIAN BUFFER
- MEAN HIGH WATER LINE
- SPRING HIGH WATER LINE
- MEAN HIGH WATER LINE
- 500' BUFFER
- TIDELANDS
- W-T01-005A-1 PHOTO LOCATION (SEE REPORT)
- 1620 WETLAND FLAGS
- 1432 STATE OPEN WATERS FLAGS
- 1609 FRESHWATER WETLAND/STATE OPEN WATER DATA POINTS

I AM A DULY REGISTERED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF NEW JERSEY AND I HEREBY CERTIFY THAT EXISTING CONDITIONS SHOWN WERE FIELD LOCATED AND PREPARED UNDER MY DIRECT SUPERVISION.

THOMAS J. MURPHY, PLS
DW SMITH ASSOCIATES, LLC
1450 STATE ROUTE 34, WALL, NJ 07753
PROFESSIONAL LAND SURVEYOR
N.J. LIC. NO. 37207 COA NO. 24GA28122400

SIGNATURE DATE

PAULUS, SOKOLOWSKI AND SARTOR, LLC.
1450 ROUTE 34
WALL, NJ 07753
PHONE: (732) 363-5850
CERTIFICATE OF AUTHORIZATION NO. 24GA28032700

ALL DIMENSIONS MUST BE VERIFIED BY THE CONTRACTOR. NOTIFY PAULUS, SOKOLOWSKI AND SARTOR, LLC. OF ANY CONFLICTS, ERRORS, AMBIGUITIES OR DISCREPANCIES IN THE CONTRACT DRAWINGS OR SPECIFICATIONS BEFORE PROCEEDING WITH CONSTRUCTION.

ALL DIMENSIONS SHALL BE AS NOTED IN WORDS OR NUMBERS ON THE CONTRACT DRAWINGS. DO NOT SCALE THE DRAWINGS TO DETERMINE DIMENSIONS.

THESE CONTRACT DRAWINGS CONTAIN DATA INTENDED SPECIFICALLY FOR THE NOTED PROJECT AND CLIENT. THEY ARE NOT INTENDED FOR USE ON EXTENSIONS OF THIS PROJECT OR FOR REUSE ON ANY OTHER PROJECT.

THE COPYING AND/OR MODIFICATION OF THIS DOCUMENT OR ANY PORTION THEREOF WITHOUT THE WRITTEN PERMISSION OF PAULUS, SOKOLOWSKI AND SARTOR, LLC IS PROHIBITED.

UNLESS THESE DRAWINGS ARE SPECIFICALLY DESIGNATED AS "CONSTRUCTION ISSUE", THESE DRAWINGS SHALL NOT BE USED FOR CONSTRUCTION OR IMPROVEMENTS DEPICTED HEREIN. CONTRACTORS SHALL NOTIFY THE DESIGN ENGINEER TO OBTAIN CONSTRUCTION DOCUMENTS.

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I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF NEW JERSEY AND I HEREBY CERTIFY THAT THE PROPOSED ENVIRONMENTAL PROTECTION MEASURES ARE ACCURATE AND CORRESPOND TO THE PROJECT DESIGN SHOWN ON THE DRAWINGS.

JASON SCHOOLING, P.E.
PS&S, LLC
1450 HIGHWAY 34, WALL, NJ 07753
PROFESSIONAL ENGINEER
N.J. LIC. NO. 21GE04253100 COA NO. 24GA28032700

SIGNATURE DATE

PROJECT

NORTHEAST SUPPLY ENHANCEMENT PROJECT
PROPOSED
26" MADISON LOOP

OLD BRIDGE TOWNSHIP & SAYREVILLE BOROUGH
MIDDLESEX COUNTY, NEW JERSEY

SHEET TITLE

SUPPLEMENTAL STREAM CROSSINGS MP 11.70 - 11.85 MARINA HDD

PROJECT NO.: 05731.0002 | DRAWN BY: JPS
SCALE: AS SHOWN | CHECKED BY: WS
DATE: 05/21/25 | SHEET 8 OF 8
SHEET NO.

8

PLOT NOW: P:\05731\0002\WORK\CAD\C-Civil\Engineering\Dwg\31-25-SHEET # Plots\SHEET # 05-11-25\05731-0002-Sheet 05-11-25\Xtrem Cosmos Settlement\Set Key\Marina.pcp (by) 4:51 PM by 10/08/2025 - 02:23:28 PM