

ENVIRONMENTAL PERMIT PLANS

STATE PROJECT NO. 0158-0219

REPLACEMENT OF BRIDGE

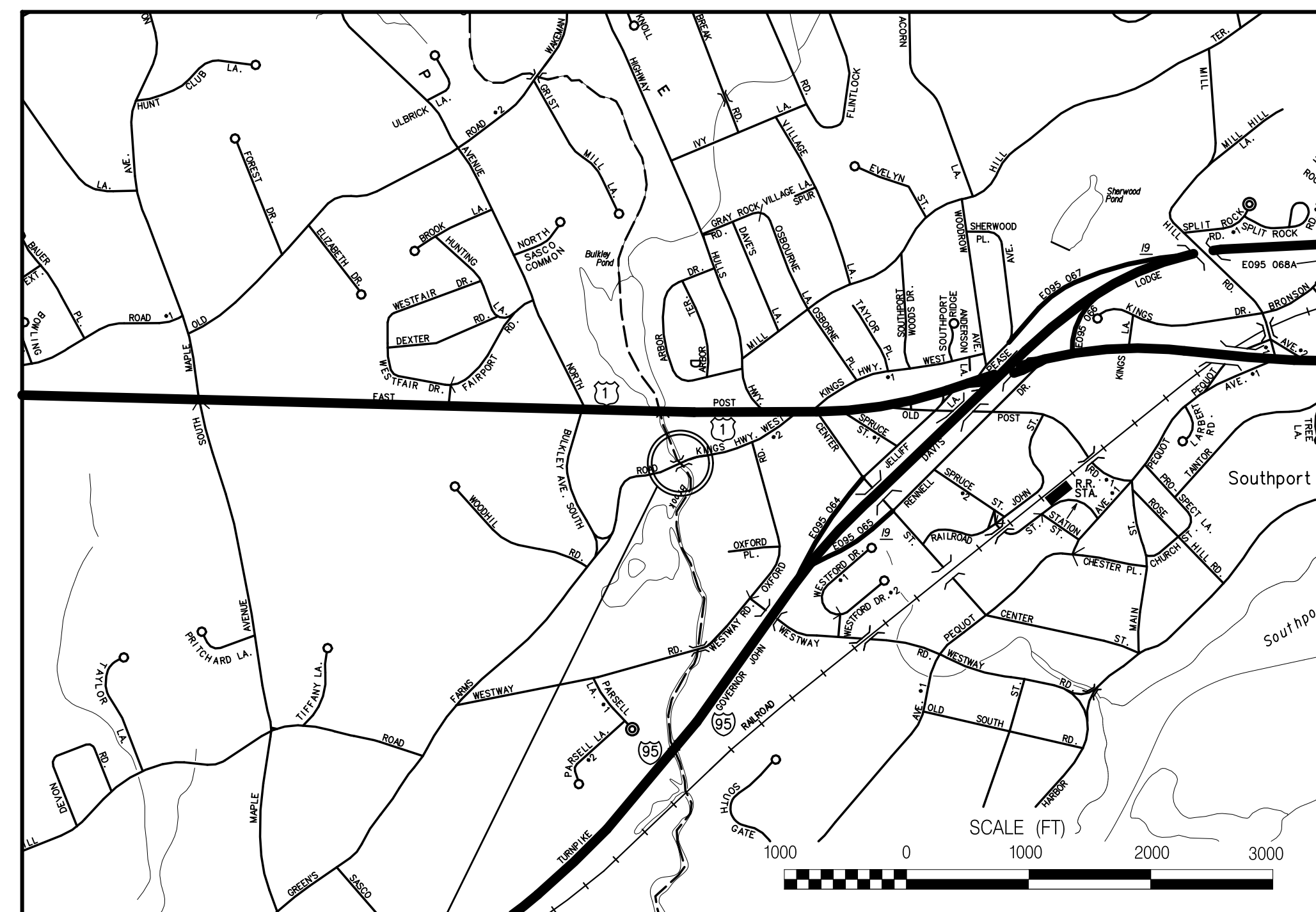
NO. 04972 - GREENS FARMS ROAD

OVER SASCO BROOK

Town of WESTPORT

LEGEND	
TIDAL WETLAND LIMIT (STATE & FEDERAL)	— — — — —
FEMA 100-YEAR FLOOD (CALCULATED)	— 100YR —
COASTAL JURISDICTION LINE	— CJL —
MEAN HIGH WATER	— MHW —
HIGH TIDE LINE	— HTL —
ORDINARY HIGH WATER	— o o o —
WATER HANDLING COFFERDAM (SANDBAGS)	— — — — —
COFFERDAM	— — — — —
SEDIMENTATION CONTROL SYSTEM	— — — — —

NOTE: MEAN LOW WATER (MLW) IS AT ELEVATION -3.7, WHICH IS BELOW THE STREAMBED



LOCATION PLAN

PROJECT LOCATION
158-219

GENERAL NOTES:

1. THESE PLANS ARE NOT FOR CONSTRUCTION AND ARE INTENDED ONLY FOR ENVIRONMENTAL PERMITTING PURPOSES. THESE PLANS HOLD AUTHORITY FOR ALL ACTIVITIES CONCERNING THE REGULATED AREA. FOR DETAILED PLANIMETRIC INFORMATION AND PAYMENT REFER TO THE APPLICABLE CONTRACT DOCUMENTS.
2. FOR A DESCRIPTION OF THE WATERCOURSES, WETLANDS AND WETLAND SOILS SEE RELEVANT SECTIONS OF THE PERMIT APPLICATION.
3. 400 FOOT GRID BASED ON CONNECTICUT COORDINATE SYSTEM N.A.D. 1983, VERTICAL DATUM BASED ON NAVD OF 1988.
4. ALL CONSTRUCTION ACTIVITIES WILL BE CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, FACILITIES AND INCIDENTAL CONSTRUCTION, FORM 818, SECTION 1.10 AND WILL ALSO FOLLOW REQUIRED BEST MANAGEMENT PRACTICES (BMPs) AND SEDIMENT AND EROSION CONTROL MEASURES IN ACCORDANCE WITH THE 2002 EROSION & SEDIMENTATION CONTROL GUIDELINES AND THE 2004 STORMWATER QUALITY MANUAL.

LIST OF DRAWINGS	
DRAWING NOS.	DRAWING TITLE
PMT-01	TITLE SHEET
PMT-02	GENERAL SITE PLAN
PMT-03	WETLAND/WATERCOURSE IMPACT PLAN
PMT-04	100-YR FLOOD IMPACT PLAN
PMT-05	BRIDGE ELEVATION AND MISCELLANEOUS DETAILS
PMT-06	MISCELLANEOUS DETAILS
PMT-07	WATER HANDLING PLAN - PHASE 1
PMT-08	WATER HANDLING PLAN - PHASE 2

DESIGNED BY:
CONSULTANT COMPANY NAME

PLAN DATE: MAY 18, 2023

BEGIN STATE PROJECT NO. 158-219

STA. 9+21.00

N 611336.329

E 849072.615

BEGIN FULL DEPTH PAVEMENT RECONSTRUCTION

CUT BITUMINOUS CONCRETE

STA. 9+75.00

N 611085.346

E 849113.749

54" REINFORCED CONCRETE DRAINAGE PIPE END
STA. = 11+51.80
OFF. = 34.334' L
INV. = 1.81'
Q10=22.55 cfs
V10=1.57 fps

12' - 54" R.C. PIPE - 0' - 10' DEEP

MANHOLE (6' DIAMETER) - 0' - 10' DEEP
STA. = 11+38.32
OFF. = 35.838' L
T.F. = 8.53
INV. = 1.83

73' - REMOVE AND RESET CHAIN LINK FENCE

REMOVE AND RESET GATE

37' - 54" R.C. PIPE - 0' - 10' DEEP

181' - REMOVE EXISTING PIPE

9' - REMOVE AND RESET CHAIN LINK FENCE

MANHOLE (6' DIAMETER) - 0' - 10' DEEP
STA. = 11+00.0
OFF. = 20.00' L
T.F. = 9.74
INV. = 1.85

RELOCATED OVERHEAD UTILITIES (TYP.)

REMOVE EXISTING UTILITY POLE

131' - 54" R.C. PIPE - 0' - 10' DEEP

INV. = 1.90

(2) 4' - 12" R.C. PIPE - 0' - 10' DEEP
INV. = 3.37

CMP) RCPs)

ORDINARY HIGH WATER (TYP.)

SWALE

LOC) S MAIN

TOWN LINE

CL&P #14482

IP (FND)

INSTALL SIGN 41-4602 "ROAD MAY FLOOD"

REPLACE MANHOLE FRAME AND COVER
RESET MANHOLE
T.F. = 11.21

CONCRETE ENDWALL

SAN MH
TF=9.09
FL=-1.20 W
FL=-1.48 N

INSTALL SIGN 51-2009 "SASCO BROOK"

STATE AND FEDERAL WETLANDS (TYP.)

HORN, ET AL
FARMS RD

CLEAN EXISTING CATCH BASIN

"C-L"CB
TF=9.31
FL=6.26 N
FL=5.96 E
BT=2.76

REMOVE AND RELOCATE EXISTING SIGN

INSTALL SIGN 51-2009 "SASCO BROOK"

HTL

CUL

MHW

FL=3.99

12" RCP

100YR

100YR

100YR

100YR

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N/F
DAVID INVESTMENTS, LLC
3671-3695 POST ROAD

GPS UNIT
TF=8.25
TF=8.43
FL=5.15 W,E
FL=4.73 S
BT=0.64
8" PVC

"C"CB
TF=7.45
FL=5.25 E,W
BT=3.25

INSTALL SIGN 41-4602 "ROAD MAY FLOOD"

TYPE 'C' CATCH BASIN - 0' - 10' DEEP
STA. = 14+25.00
OFF. = 11.48' L
T.F. = 9.20
INV. OUT=7.00

"C-L"CB
TF=8.93
FL=5.83 N
FL=5.78 W
BT=3.78

APPROX. STREET LINE

END STATE PROJECT NO. 158-219
END FULL DEPTH PAVEMENT RECONSTRUCTION
CUT BITUMINOUS CONCRETE
STA. 14+29.00
N 611193.967'
E 849554.186'

APPROX. STREET LINE

APPROX. STREET LINE

APPROX. STREET LINE

APPROX. STREET LINE

APPROX. STREET LINE

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APPROX. STREET LINE

GENERAL SITE PLAN
SCALE: 1"=20'

POSSIBLY SUBJECT TO A 12' RIGHT OF WAY FOR ACCESS FROM PRESENT KING'S HIGHWAY WEST

NOTES

- 1. DISTURBED AREAS BELOW THE WETLAND LIMIT SHALL BE TREATED WITH WETLAND GRASS ESTABLISHMENT. DISTURBED AREAS ABOVE THE WETLAND LIMIT SHALL BE TREATED WITH CONSERVATION SEEDING FOR SLOPES, OR OTHER SEED MIX AS SPECIFIED. ALL AREAS SHALL BE RESTORED.

ENVIRONMENTAL PERMIT PLANS
PLAN DATE: MAY 18, 2023

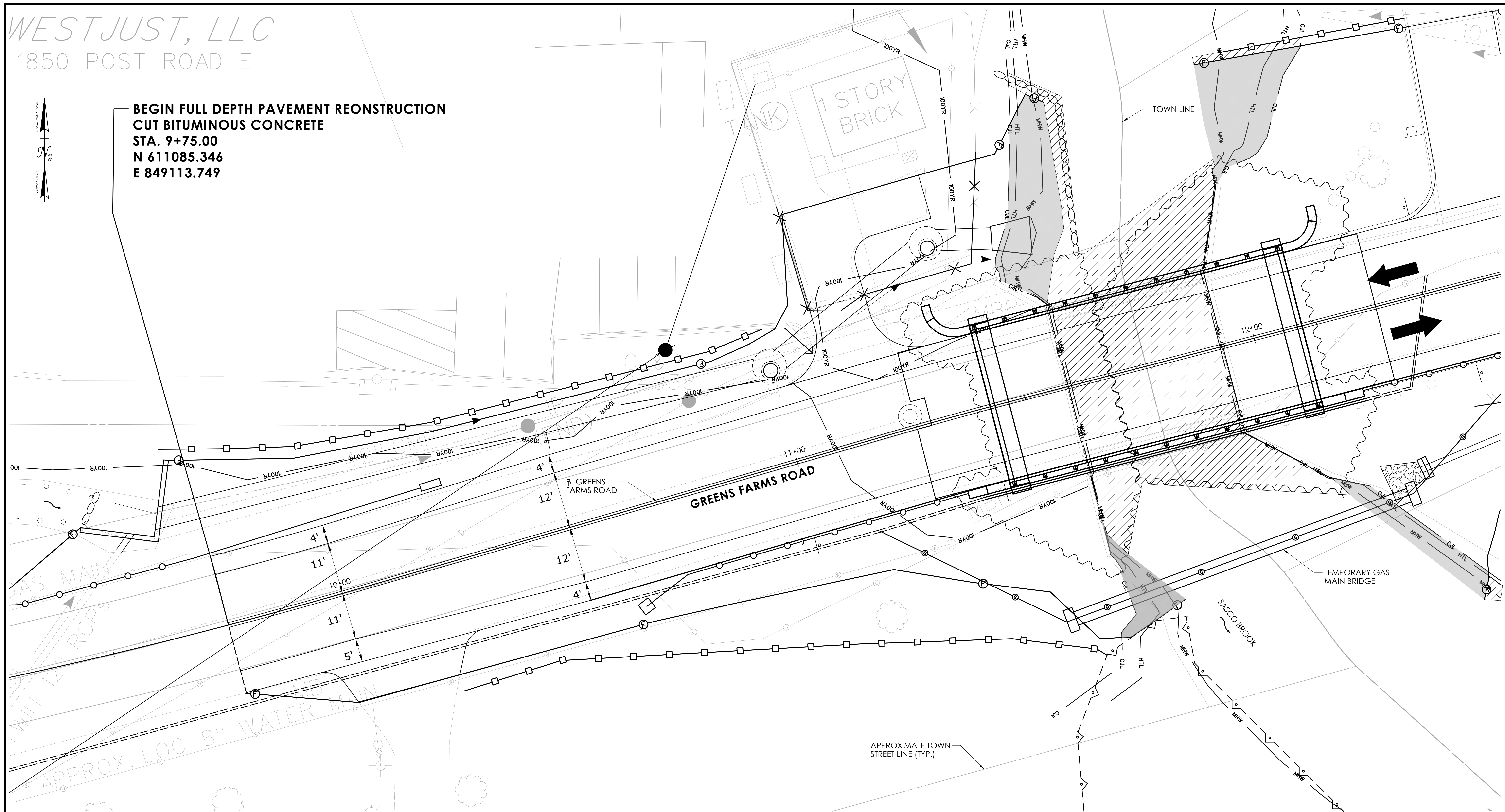
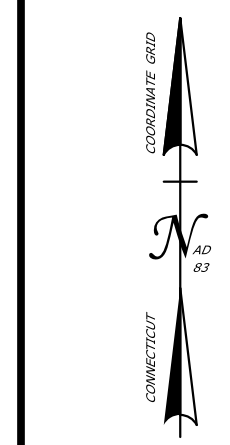
DESIGNER/DRAFTER: M. HABEK
CHECKED BY: R. MEARS
LASTED SAVED BY: mhobek
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PLOTTED DATE: 6/1/2023

SIGNATURE/BLOCK: [Signature] Allied Research & Company 1200 Main Avenue Westport, CT

PROJECT NUMBER: 158-219
PROJECT DESCRIPTION: REPLACEMENT OF BRIDGE NO. 04972 GREENS FARMS ROAD OVER SASCO BROOK
TOWN(S): WESTPORT
DRAWING TITLE: GENERAL SITE PLAN
DRAWING NO. PMT-02
SHEET NO. 1.02

WESTJUST, LLC
1850 POST ROAD E

**BEGIN FULL DEPTH PAVEMENT REONSTRUCTION
CUT BITUMINOUS CONCRETE
STA. 9+75.00
N 611085.346
E 849113.749**



WETLAND/WATERCOURSE IMPACT PLAN

SCALE: 1"=10'

NOTES:
1. THE CONTRACTOR SHALL NOT WORK WITHIN THE LIMITS OF THE WETLANDS AND WATERCOURSES WITH THE EXCEPTION OF THOSE AREAS DELINEATED AS TEMPORARY OR PERMANENT IMPACTS TO THE WETLANDS AND WATERCOURSE. ALL DISTURBED AREAS SHALL BE RESTORED.

LEGEND

TEMPORARY COASTAL JURISDICTION LINE IMPACT	
PERMANENT COASTAL JURISDICTION LINE IMPACT	

COASTAL JURISDICTION LINE IMPACT TABLE

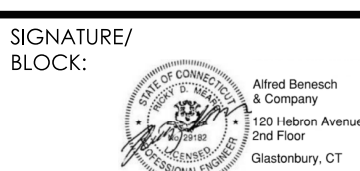
PERMANENT IMPACTS (SF) [AC.]	1065 [0.024]
TEMPORARY IMPACTS (SF) [AC.]	2380 [0.055]

IMPACT AREA TABLE (SF [AC.])

	WETLAND IMPACTS	HIGH TIDE LINE IMPACTS	TOTAL
PERMANENT IMPACTS	0 [0.000]	820 [0.019]	820 [0.019]
TEMPORARY IMPACTS	0 [0.000]	2365 [0.054]	2365 [0.054]
TOTAL IMPACTS	0 [0.000]	3185 [0.073]	3185 [0.073]

ENVIRONMENTAL PERMIT PLANS
PLAN DATE: MAY 18, 2023

DESIGNER/DRAFTER: M. HABEK CHECKED BY: R. MEARS
LASTED SAVED BY: mhobek FILE NAME: c:\pwwordr\benesch\projects\mhabek\d0130157\58_CP_0158_0219_GPN.dgn
PLOTTED DATE: 6/4/2023



PROJECT NUMBER: 158-219
PROJECT DESCRIPTION: REPLACEMENT OF BRIDGE NO. 04972 GREENS FARMS ROAD OVER SASCO BROOK
TOWN(S): WESTPORT
DRAWING TITLE: WETLAND/WATERCOURSE IMPACT PLAN

DRAWING NO. PMT-03
SHEET NO. 1.03

BEGIN STATE PROJECT NO. 158-219

STA. 9+21.00

N 611336.329

E 849072.615

BEGIN FULL DEPTH PAVEMENT RECONSTRUCTION

CUT BITUMINOUS CONCRETE

STA. 9+75.00

N 611085.346

E 849113.749

B.M. "B" Elev. 8.07

DRILL HOLE IN CENTERLINE
"C" CB TOP OF CONCRETE CURB

NAVD 1988

N/F
JOAN RYWOLT
936 KINGS HIGHWAY WEST

N/F
DAVID INVESTMENTS, LLC
3671-3695 POST ROAD

Elev. 12.599
E IN CONCRETE WALK
CONCRETE RAMP NEAR
T CORNER OF BLDG #1850

N/F
WESTJUST, LLC
1850 POST ROAD E

N/F
TOWN OF WESTPORT
(SEWER PUMP STATION)

END STATE PROJECT NO. 158-219
END FULL DEPTH PAVEMENT
RECONSTRUCTION
CUT BITUMINOUS CONCRETE
STA. 14+29.00
N 611193.967'
E 849554.186'

N/F
JIA MANG TEN
943 KINGS HIGHWAY WE

FEMA 100-YR FLOOD
TOWN OF FAIRFIELD
(OPEN SPACE
"SASCO CREEK MARSH")

POSSIBLY SUBJECT TO A
12' RIGHT OF WAY FOR
ACCESS FROM PRESENT
KING'S HIGHWAY WEST

IMPACT PLAN

SCALE: 1"=20'

ENVIRONMENTAL PERMIT PLANS

PLAN DATE: MAY 18, 2023

LEGEND	
TEMPORARY IMPACT	
PERMANENT IMPACT	

100-YEAR FEMA FLOODPLAIN VOLUME IMPACTS	
EXCAVATION (C.Y.)	FILL (C.Y.)
820	920

DESIGNER/DRAFTER: M. HABEK CHECKED BY: R. MEARS

LASTED SAVED BY: mhobek FILE NAME: c:\pwword\benesch\projects\projects\mhobek\d0130157\58_CP_0158_0219_GPN.dgn
PLOTTED DATE: 6/1/2023

SIGNATURE/
BLOCK:



PROJECT NUMBER: 158-219

PROJECT DESCRIPTION: REPLACEMENT OF BRIDGE NO. 04972 GREENS FARMS ROAD OVER SASCO BROOK

TOWN(S): WESTPORT

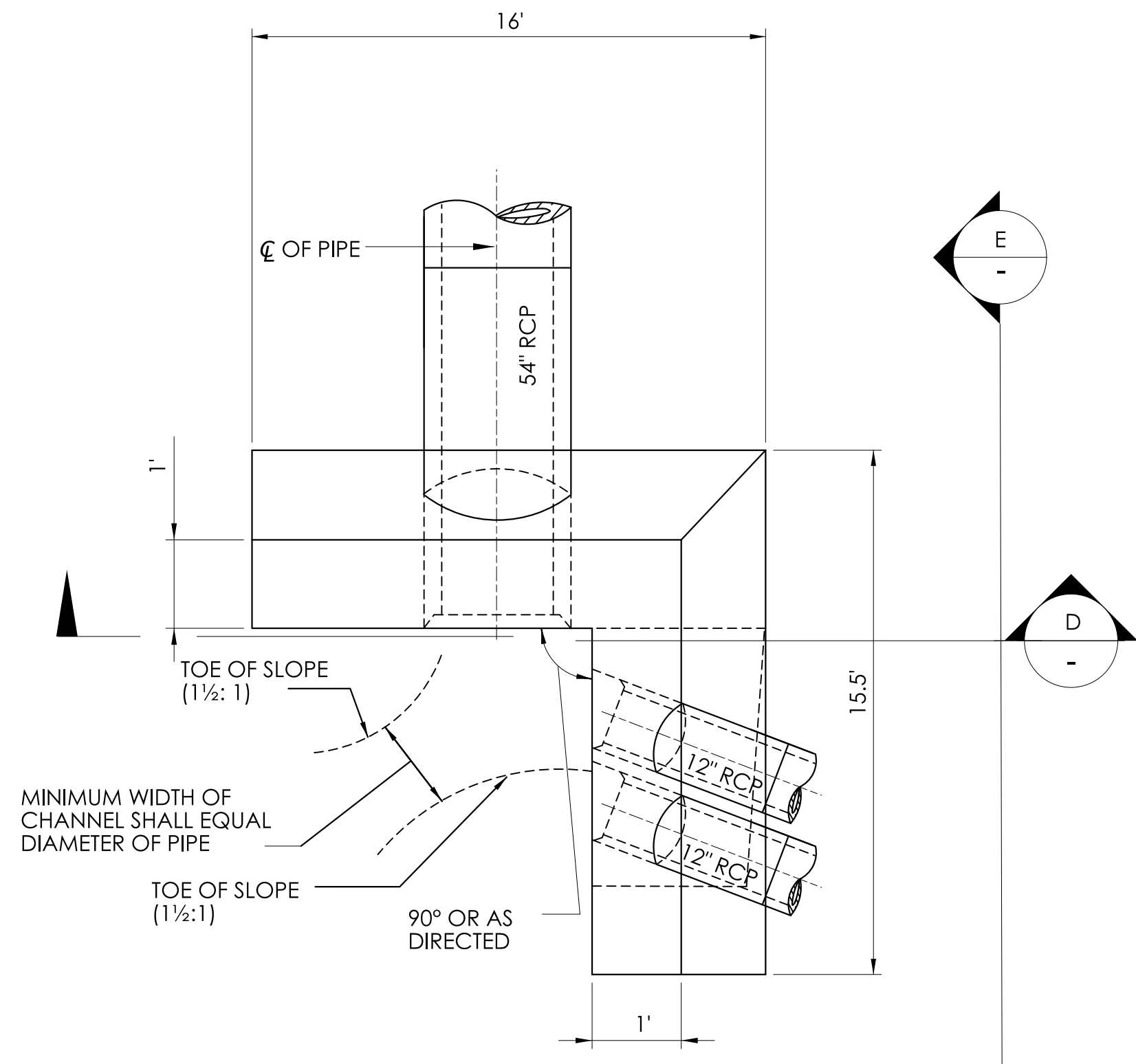
DRAWING TITLE: 100-YR FLOOD IMPACT PLAN

DRAWING NO.

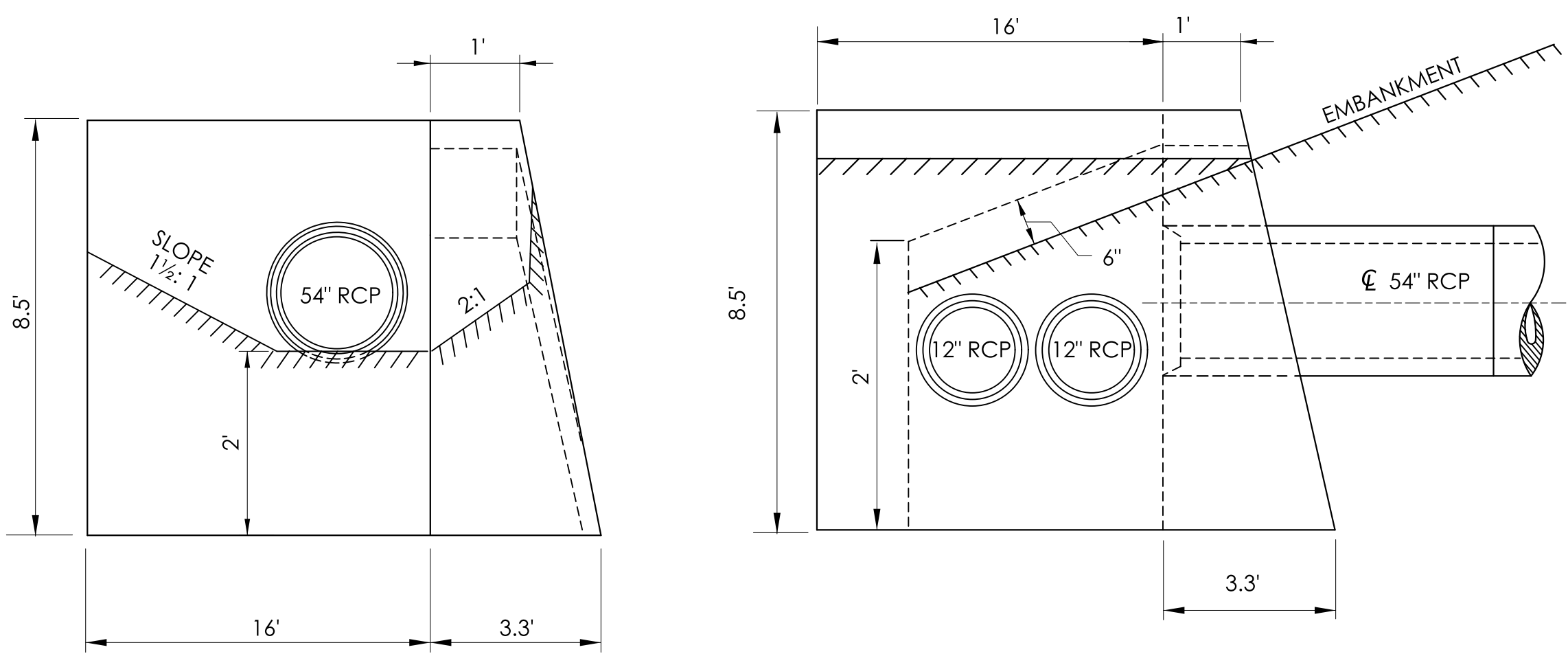
PMT-04

SHEET NO.

1.04



PLAN

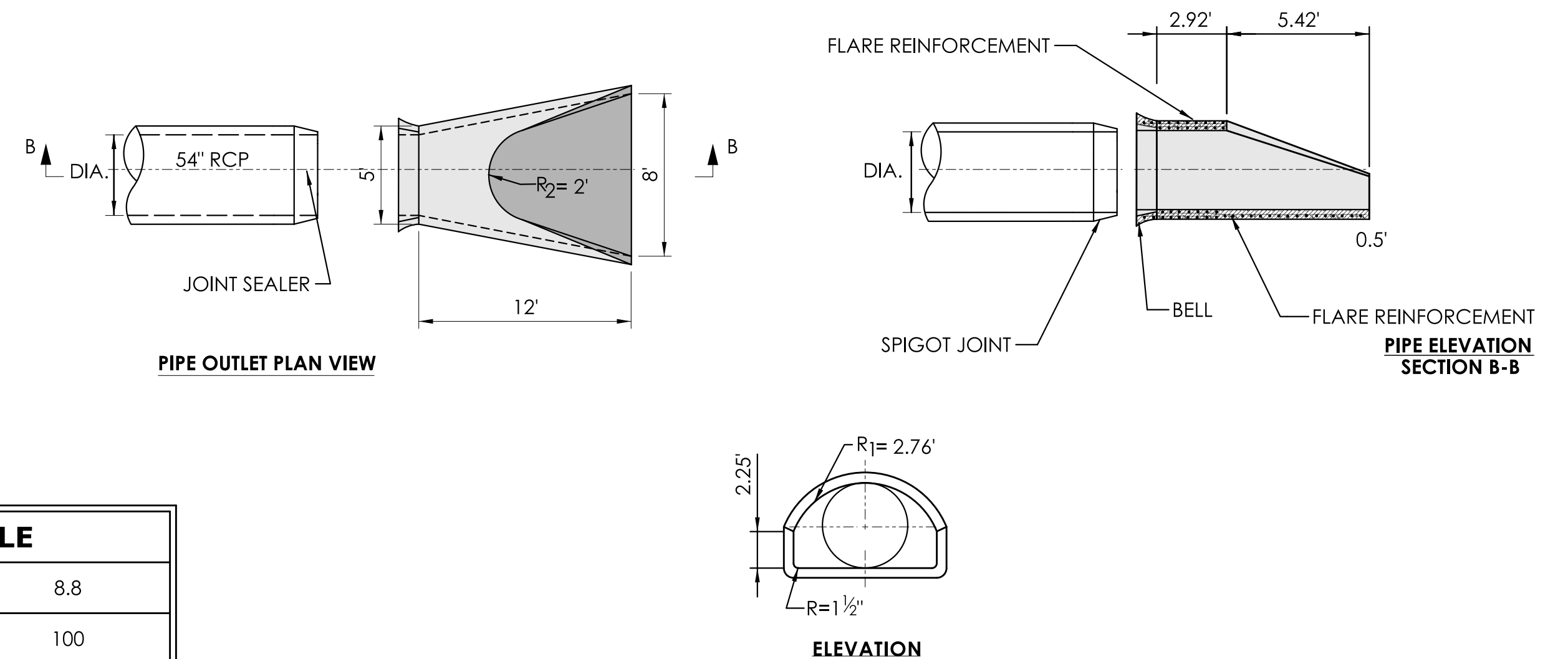


SECTION D

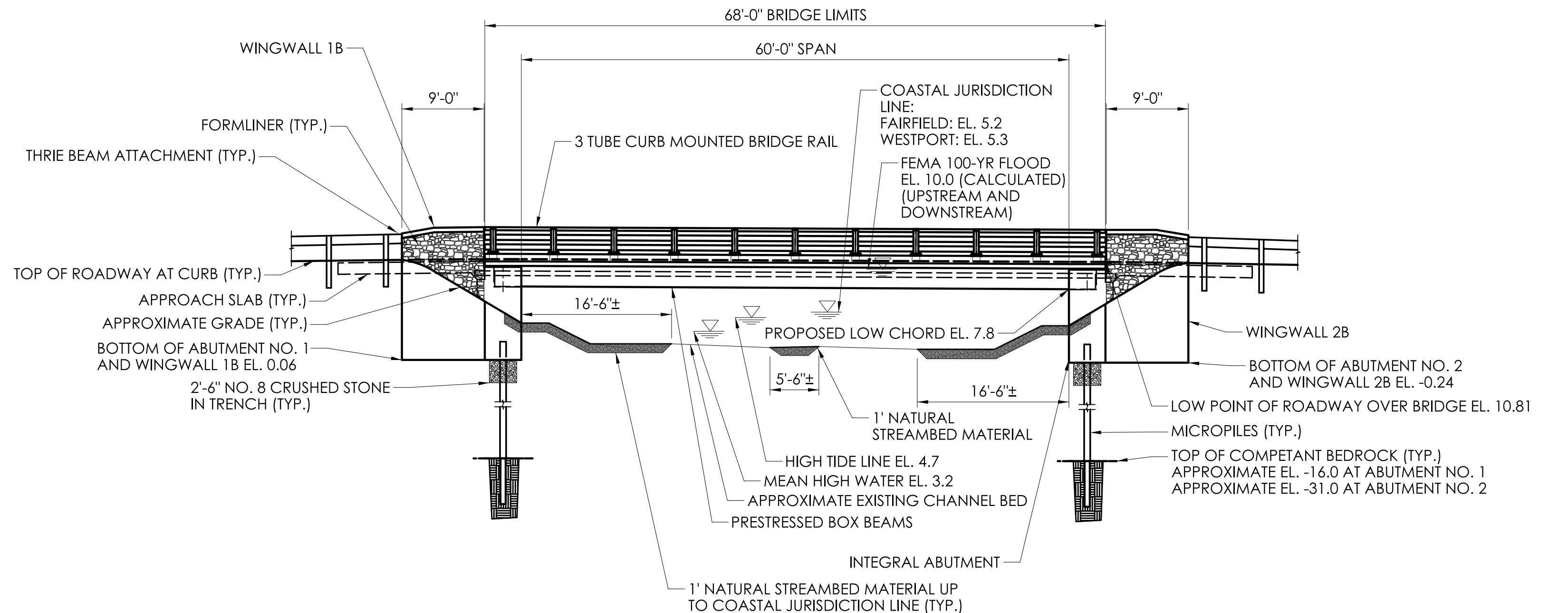
TYPE "L" ENDWALL
NOT TO SCALE

SECTION E

HYDRAULIC SUMMARY TABLE	
DRAINAGE AREA [SQ. MI.]	8.8
DESIGN FREQUENCY [YEAR]	100
DESIGN DISCHARGE [CFS]	2401
AVERAGE DAILY FLOW ELEVATION [FT]	2.4 (ESTIMATED)
DESIGN WATER SURFACE EL. - UPSTREAM [FT]	8.30
DESIGN WATER SURFACE EL. - DOWNSTREAM [FT]	7.0
MAXIMUM SCOUR ELEVATION [FT]	-2.0
FREQUENCY [YEAR]	200
DISCHARGE [CFS]	3112
WORST CASE SCOUR SUBSTRUCTURE UNIT	ABUTMENTS

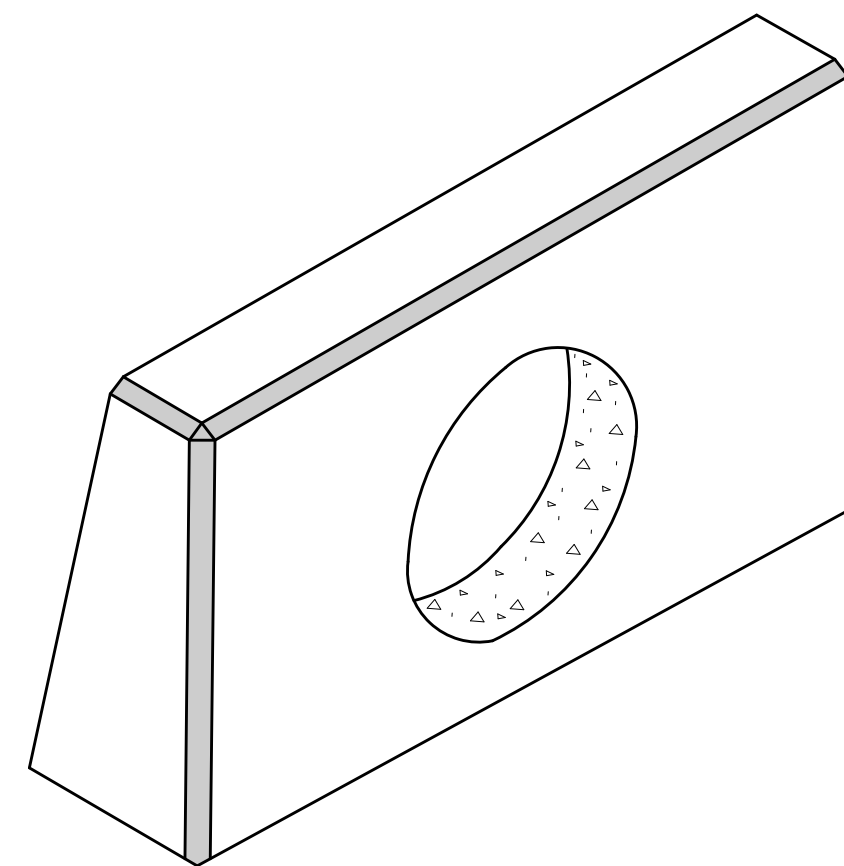


REINFORCED CONCRETE DRAINAGE PIPE END DETAIL
FOR 54" R.C. PIPE
NOT TO SCALE

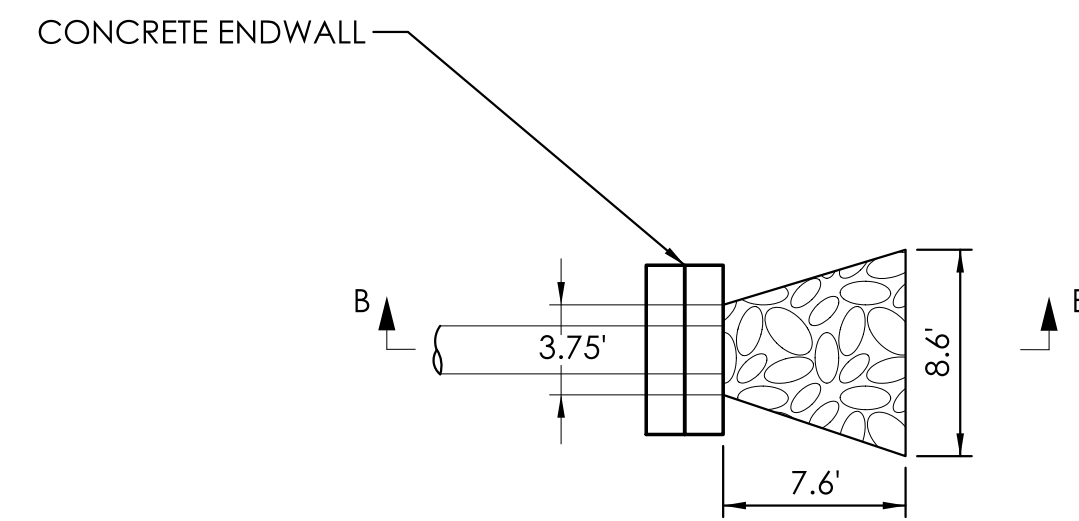


ELEVATION
SCALE: 1"=10'

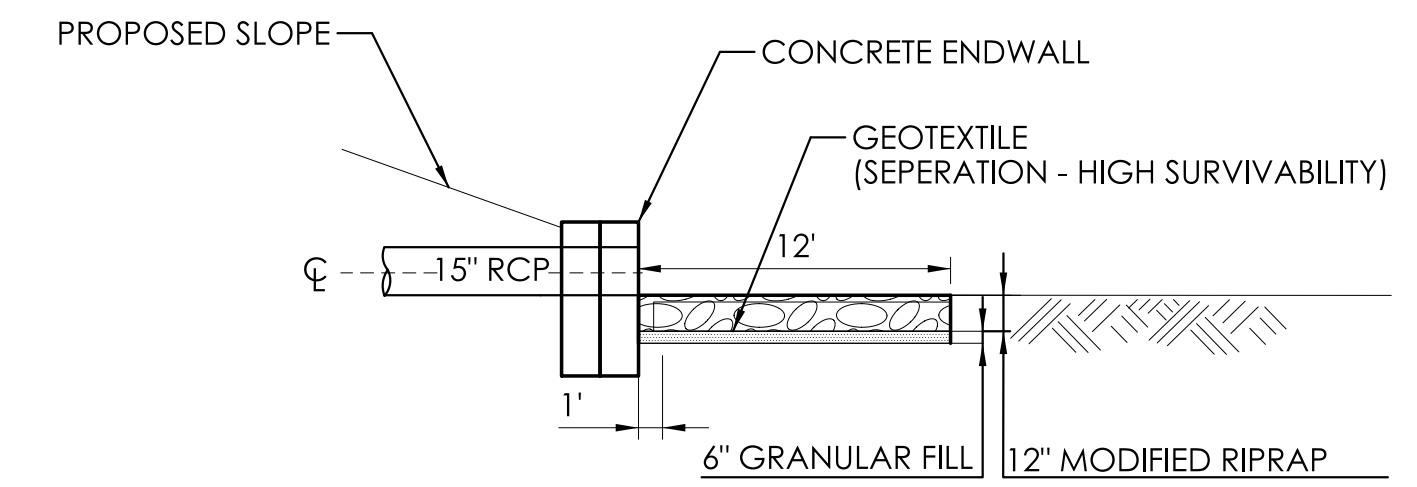
ENVIRONMENTAL PERMIT PLANS
PLAN DATE: MAY 18, 2023



STRAIGHT ENDWALL

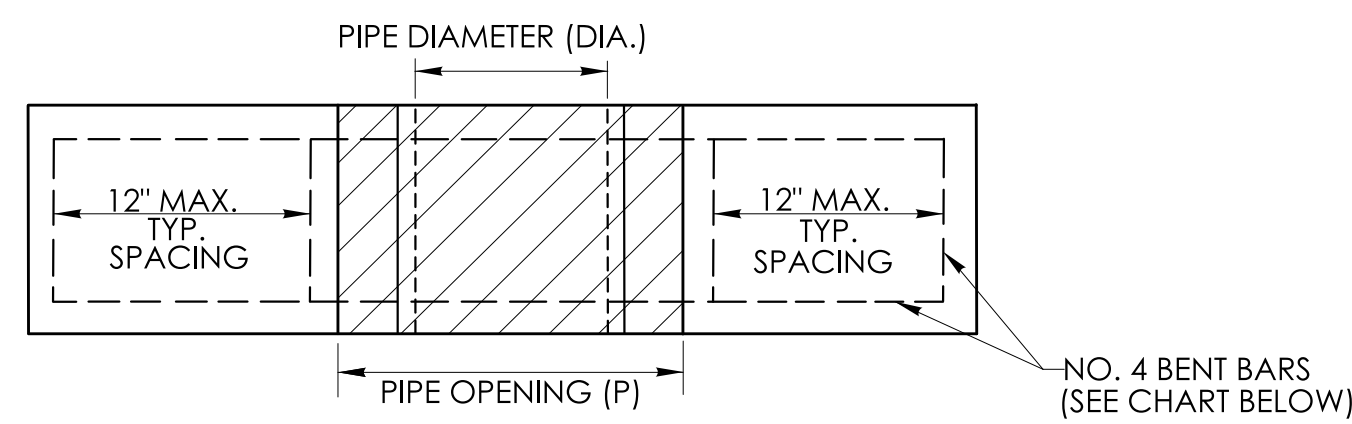


ENDWALL PLAN VIEW

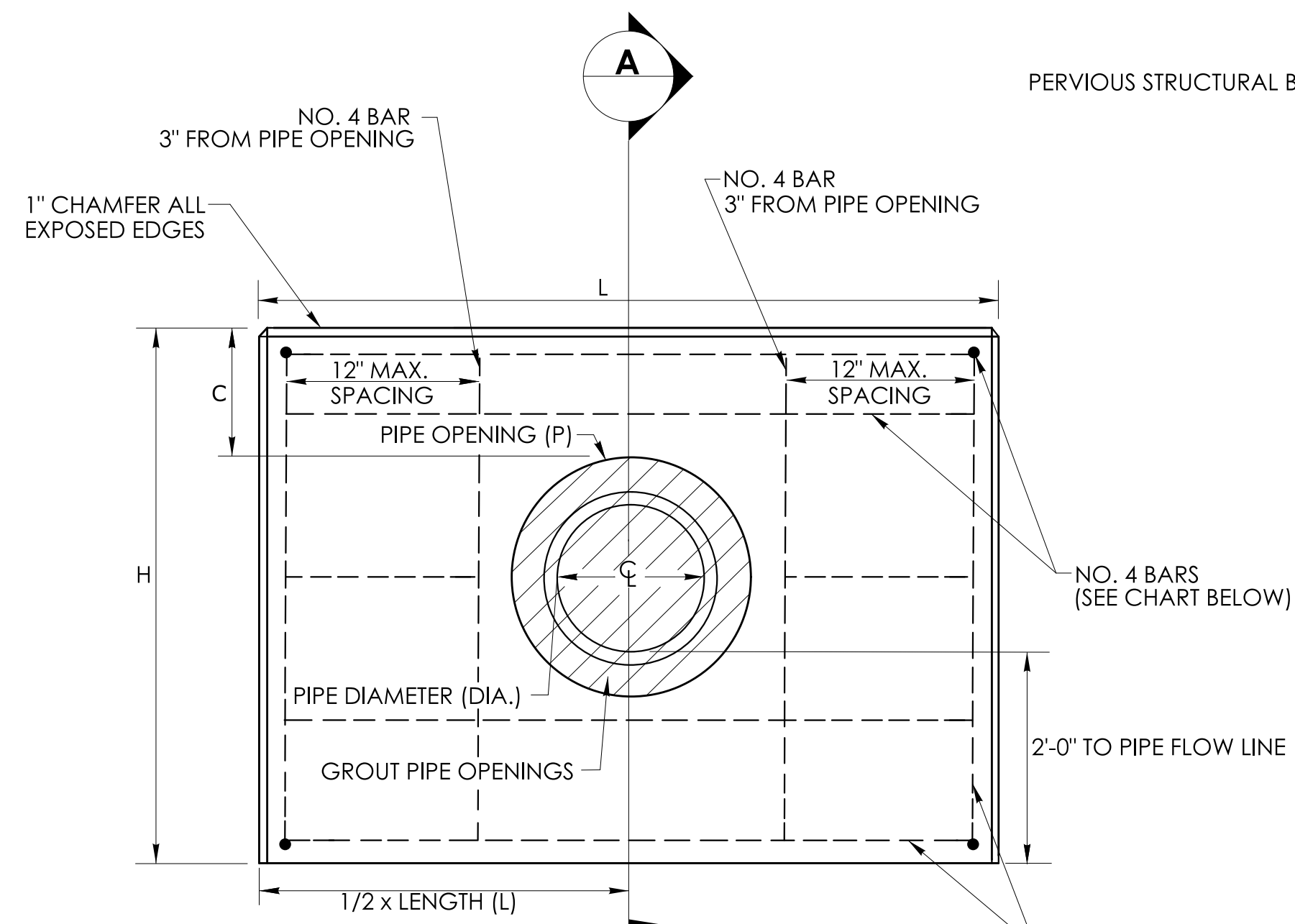


ENDWALL ELEVATION SECTION B-B

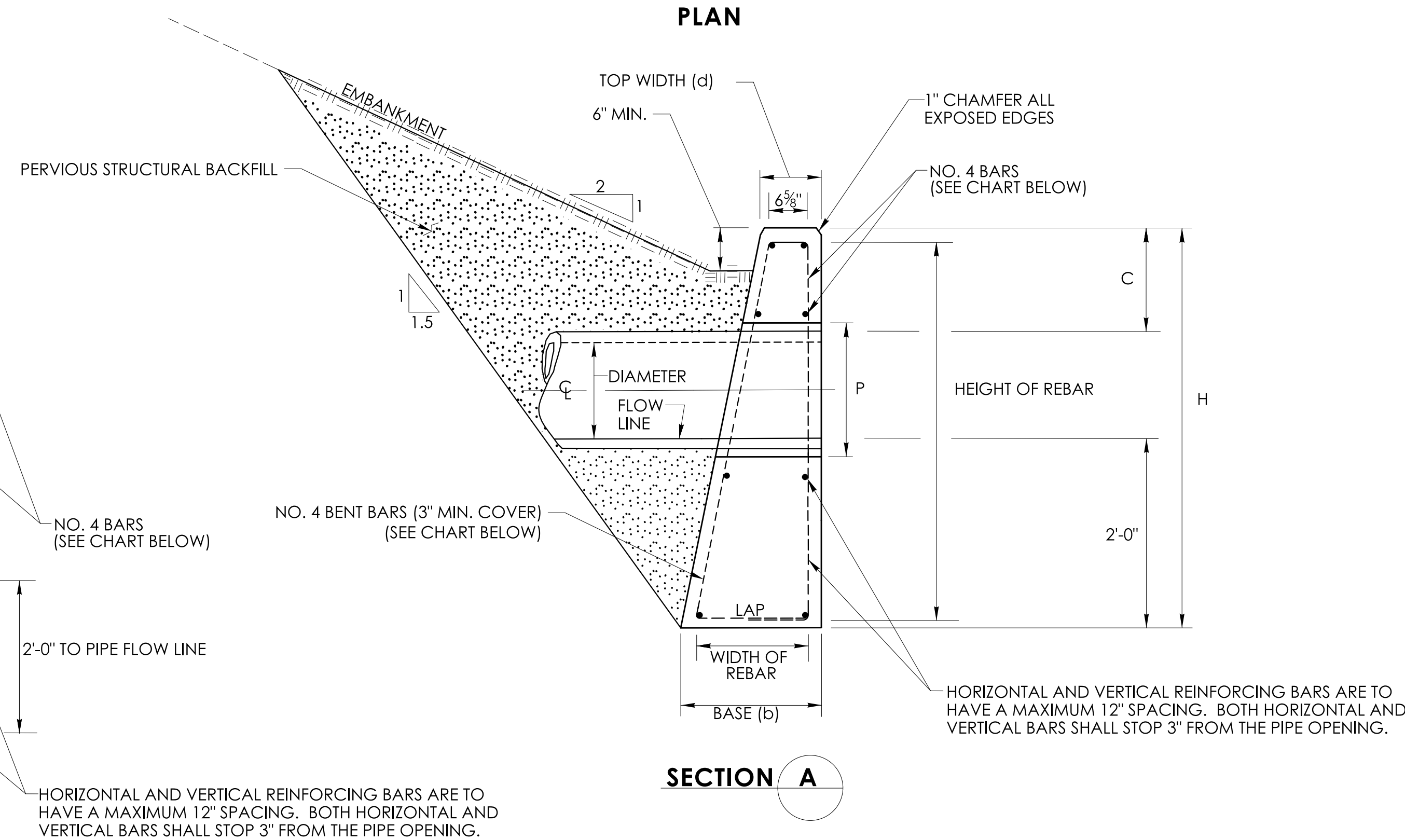
MODIFIED RIPRAP (SPLASHPAD) DETAIL FOR 15" R.C. PIPE
NOT TO SCALE



PLAN



FRONT ELEVATION



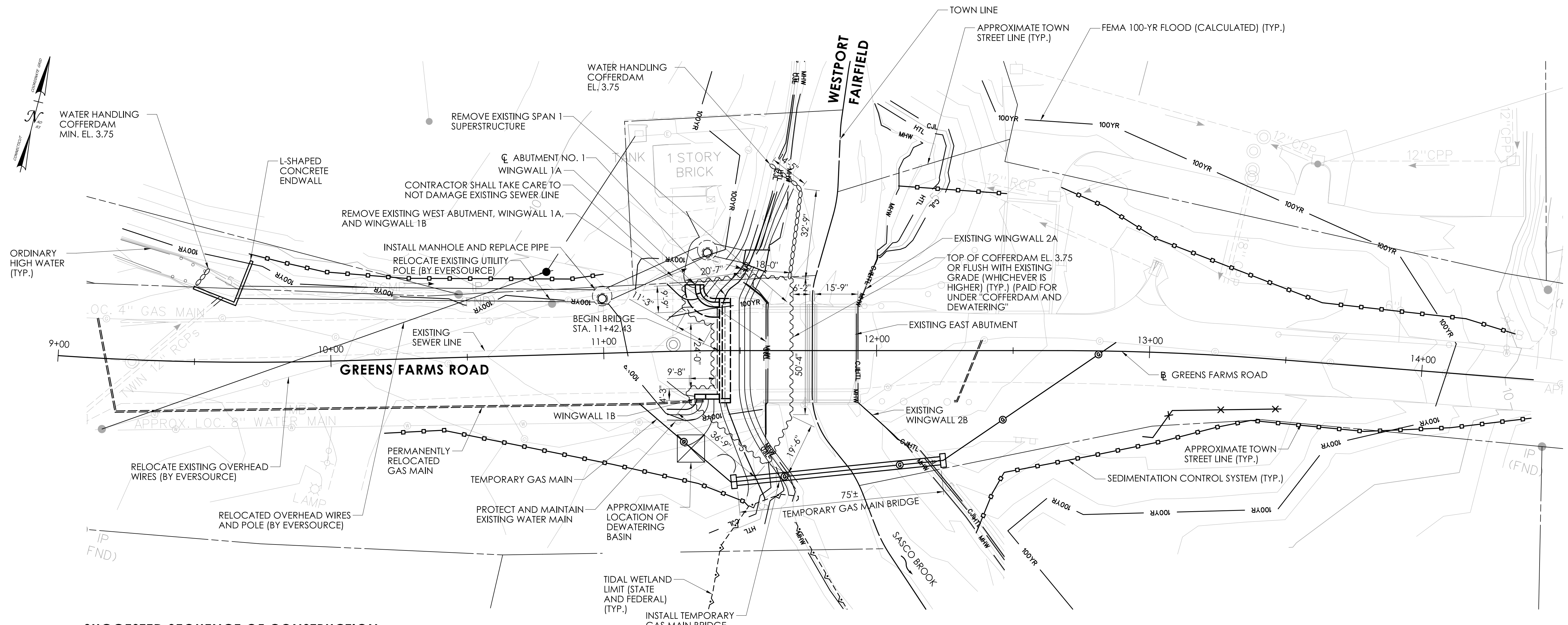
SECTION A

HORIZONTAL AND VERTICAL REINFORCING BARS ARE TO HAVE A MAXIMUM 12" SPACING. BOTH HORIZONTAL AND VERTICAL BARS SHALL STOP 3" FROM THE PIPE OPENING.

HORIZONTAL AND VERTICAL REINFORCING BARS ARE TO HAVE A MAXIMUM 12" SPACING. BOTH HORIZONTAL AND VERTICAL BARS SHALL STOP 3" FROM THE PIPE OPENING.

CONCRETE								REINFORCING STEEL				
PIPE DIAMETER (DIA.)	CLEARANCE (C)	*PIPE OPENINGS (P)	TOTAL HEIGHT (H)	LENGTH (L)	TOP WIDTH (d)	BASE (b)	VOL.	PIPE DIAMETER (DIA.)	NO. 4 BENT BARS	NO. 4 BARS - (NOMINAL LENGTH)	HEIGHT OF REBAR	WIDTH OF REBAR
IN.	IN.	IN.	FT-IN.	FT-IN.	FT-IN.	FT-IN.	C.Y.	IN.	EA.	EA.	FT-IN.	FT-IN.
15"	14"	24"	4'-9"	5'-6"	1'-3"	2'-0"	1.39	15"	6	12 - (5'-0")	4'-3"	1'-5 1/4"

ENVIRONMENTAL PERMIT PLANS
PLAN DATE: MAY 18, 2023



SUGGESTED SEQUENCE OF CONSTRUCTION

- ADVANCE WORK**
1. PERMANENTLY RELOCATE OVERHEAD UTILITY WIRES AND BURIED UTILITY WIRES WEST OF BRIDGE AND RE-ATTACH SERVICE TO WATER PUMP SERVICE STATION.
 2. INSTALL TEMPORARY GAS MAIN BRIDGE AND TEMPORARY GAS MAIN
 3. CLEAR AND GRUB AND INSTALL SEDIMENTATION CONTROL SYSTEMS
- PHASE 1**
1. INSTALL DETOUR SIGNAGE AND CLOSE ROADWAY
 2. INSTALL TEMPORARY DEBRIS SHIELD IN SPAN 1. MINIMUM ELEVATION OF TEMPORARY DEBRIS SHIELD EL. 3.75.
 3. MOBILIZE CRANE
 4. DEMOLISH EXISTING SPAN 1 SUPERSTRUCTURE. REMOVE TEMPORARY DEBRIS SHIELD
 5. INSTALL WATER HANDLING COFFERDAM IN SWALE AT APPROXIMATE STATION 9+50 AND INSTALL DEWATERING BASIN BEHIND EXISTING WINGWALL 1B. INSTALL TEMPORARY BYPASS PUMP TO BRING WATER FROM SWALE TO DEWATERING BASIN.
 6. INSTALL PHASE 1 COFFERDAM AND WATER HANDLING COFFERDAM AT THE WEST SIDE OF THE BRIDGE AS SHOWN.
 7. REMOVE EXISTING 42" DRAINAGE PIPE. INSTALL NEW MANHOLE, INSTALL NEW 54" DRAINAGE PIPE (AT SWALE), NEW L-SHAPED ENDWALL, AND NEW PIPE END.
 8. DEMOLISH EXISTING WEST ABUTMENT AND WINGWALLS COMPLETELY.
 9. EXCAVATE FOR AND INSTALL MICROPILES AND CAST-IN-PLACE ABUTMENT NO. 1 AND WINGWALLS 1A AND 1B.
 10. REGRADE CHANNEL WITHIN COFFERDAM AND INSTALL NATURAL STREAMBED MATERIAL
 11. BACKFILL AND GRADE SLOPES AROUND ABUTMENT NO. 1 AND WINGWALLS 1A AND 1B.
 12. REMOVE WATER HANDLING COFFERDAM AND DEWATERING BASIN
 13. REMOVE PORTIONS OF PHASE 1 COFFERDAM NOT SHARED WITH PHASE 2 COFFERDAM

TIME-OF-YEAR BMP NOTES

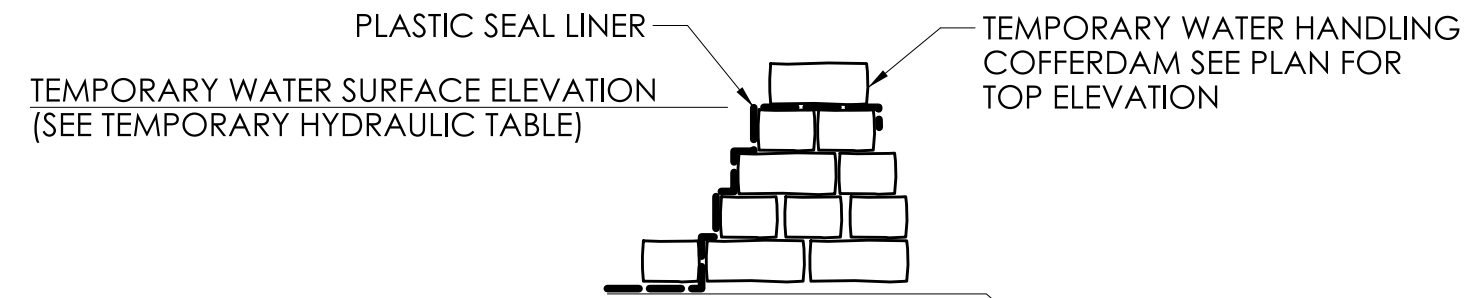
NO UNCONFINED IN-WATER WORK IS PERMITTED FROM APRIL 1 TO JUNE 30, INCLUSIVE. THIS INCLUDES THE REMOVAL AND INSTALLATION OF COFFERDAMS. AT LEAST 50% OF THE RIVER CHANNEL SHOULD REMAIN OPEN DURING THIS PERIOD. NO CONSTRUCTION NOISES ABOVE 90 DECIBELS AND NO LIGHTS DIRECTED ONTO THE WATER'S SURFACE SHALL BE PERMITTED FROM SUNSET TO SUNRISE, FROM APRIL 1 TO JUNE 30.

WATER HANDLING PLAN - PHASE 1

SCALE: 1"=20'

WATER HANDLING NOTES

1. THE CONTRACTOR SHALL MAINTAIN WATER THROUGH THE TEMPORARY WATER HANDLING SYSTEM AS REQUIRED DURING CONSTRUCTION OF THE NEW STRUCTURE.
2. A DEWATERING BASIN SHALL BE ESTABLISHED OUTSIDE OF THE WETLAND LIMITS.
3. TEMPORARY WATER-HANDLING-COFFERDAM SHALL CONSIST OF AN APPROVED SYSTEM THAT THE CONTRACTOR ELECTS TO USE WHICH WILL SAFELY CONVEY WATER FLOWS THROUGH THE CONSTRUCTION AREA, SHALL BE ABLE TO SUPPORT CONSTRUCTION ACTIVITY AND SHALL CONFORM TO PERMITS. ANY WATER HANDLING SCHEME DEPICTED WITHIN THE DEPARTMENT'S 'HANDLING WATER TYPICAL SCHEMATICS' MAY BE UTILIZED UNLESS SPECIFICALLY PROHIBITED. A MEANS AND METHOD FOR WATER HANDLING SYSTEM SHALL BE SUBMITTED BY THE CONTRACTOR TO THE ENGINEER FOR APPROVAL. WATER HANDLING MEASURES SHALL NOT EXCEED IMPACT AREAS SHOWN ON THE WETLAND AND FLOODPLAIN IMPACT SHEETS OF THE PERMIT PLANS.
- 4.

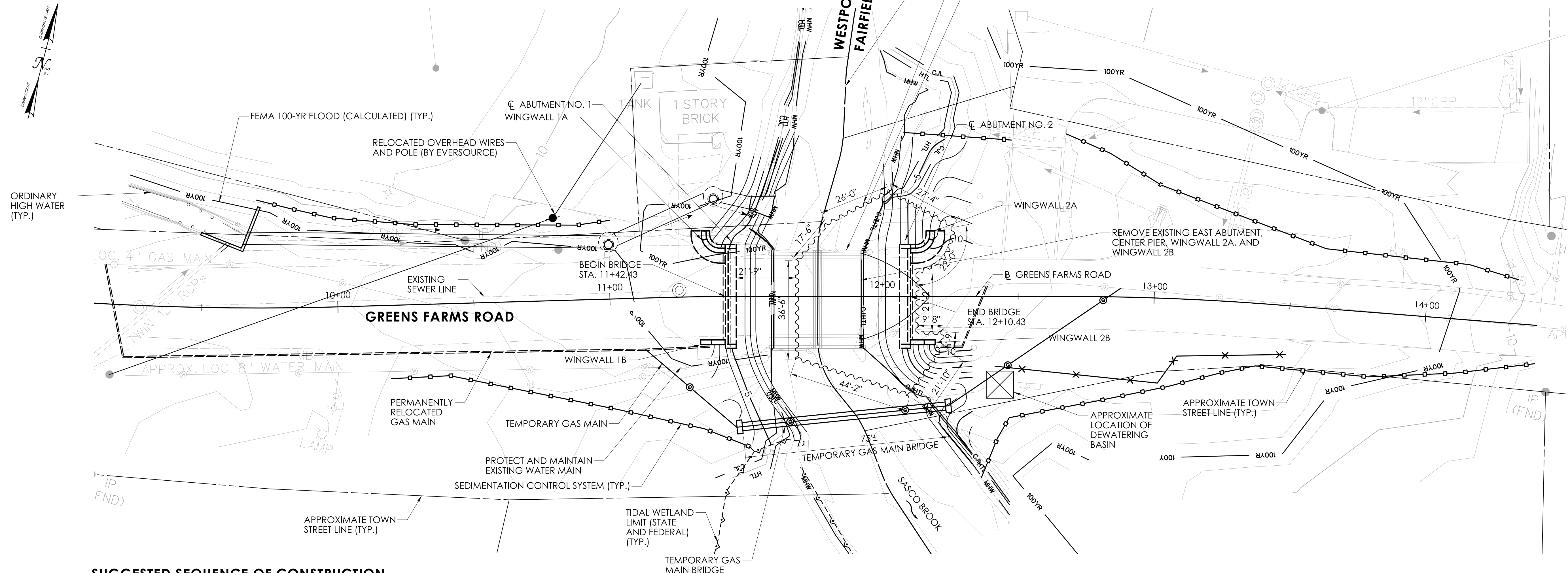


WATER HANDLING COFFERDAM SANDBAGS

NOT TO SCALE

PHASE 1 TEMPORARY HYDRAULIC DATA	
AVERAGE DAILY FLOW (ADF) [CFS]	16
AVERAGE SPRING FLOW (ASF) [CFS]	31
2 YEAR FREQUENCY DISCHARGE [CFS]	332
TEMPORARY DESIGN DISCHARGE [CFS]	71
TEMPORARY DESIGN FREQUENCY	1-YEAR
TEMPORARY WATER SURFACE EL. - UPSTREAM	3.4 FEET
TEMPORARY WATER SURFACE EL. - DOWNSTREAM	3.3 FEET

ENVIRONMENTAL PERMIT PLANS
PLAN DATE: MAY 18, 2023



SUGGESTED SEQUENCE OF CONSTRUCTION

- PHASE 2**
1. INSTALL TEMPORARY DEBRIS SHIELD IN SPAN 2. MINIMUM ELEVATION OF TEMPORARY DEBRIS SHIELD EL. 3.75.
 2. DEMOLISH EXISTING SPAN 2 SUPERSTRUCTURE. REMOVE TEMPORARY DEBRIS SHIELD.
 3. INSTALL PHASE 2 COFFERDAM AND DEWATERING BASIN AT THE EAST SIDE OF BRIDGE AS SHOWN.
 4. DEMOLISH EXISTING EAST ABUTMENT, CENTER PIER, AND WINGWALLS COMPLETELY.
 5. EXCAVATE FOR AND INSTALL MICROPILES AND CAST-IN-PLACE ABUTMENT NO. 2 AND WINGWALLS 2A AND 2B.
 6. REGRADE CHANNEL WITHIN COFFERDAM AND INSTALL NATURAL STREAMBED MATERIAL.
 7. BACKFILL AND GRADE SLOPES AROUND ABUTMENT NO. 2 AND WINGWALLS 2A AND 2B.
 8. REMOVE COFFERDAM AND DEWATERING BASIN.

- PHASE 3**
1. INSTALL BRIDGE SUPERSTRUCTURE
 2. DEMOBILIZE CRANE
 3. INSTALL CAST-IN-PLACE REINFORCED CONCRETE DECK SLAB
 4. INSTALL CAST-IN-PLACE REINFORCED CONCRETE CURBS
 5. CONSTRUCT APPROACH SLABS
 6. INSTALL GAS MAIN IN PERMANENT LOCATION ON SOUTH SIDE OF BRIDGE
 7. REMOVE TEMPORARY GAS MAIN AND TEMPORARY GAS MAIN BRIDGE
 8. INSTALL DRAINAGE PIPES AND STRUCTURES
 9. INSTALL GUIDERAIL AND 3-TUBE CURB MOUNTED BRIDGE RAIL
 10. REGRADE DRIVEWAYS
 11. RECONSTRUCT ROADWAY (FULL DEPTH)
 12. INSTALL WATERPROOFING MEMBRANE, PAVE THE BRIDGE AND APPROACH ROADWAYS
 13. COMPLETE FINAL GRADING AND SEEDING
 14. PLACE FINAL PAVEMENT MARKINGS
 15. REMOVE SEDIMENTATION CONTROL SYSTEM UPON FINAL STABILIZATION
 16. REMOVE DETOUR SIGNAGE AND RE-OPEN ROADWAY

TIME-OF-YEAR BMP NOTES

NO UNCONFINED IN-WATER WORK IS PERMITTED FROM APRIL 1 TO JUNE 30, INCLUSIVE. THIS INCLUDES THE REMOVAL AND INSTALLATION OF COFFERDAMS. AT LEAST 50% OF THE RIVER CHANNEL SHOULD REMAIN OPEN DURING THIS PERIOD. NO CONSTRUCTION NOISES ABOVE 90 DECIBELS AND NO LIGHTS DIRECTED ONTO THE WATER'S SURFACE SHALL BE PERMITTED FROM SUNSET TO SUNRISE, FROM APRIL 1 TO JUNE 30.

WATER HANDLING PLAN - PHASE 2

SCALE: 1"=20'

PHASE 2 TEMPORARY HYDRAULIC DATA	
AVERAGE DAILY FLOW (ADF) [CFS]	16
AVERAGE SPRING FLOW (ASF) [CFS]	31
2 YEAR FREQUENCY DISCHARGE [CFS]	332
TEMPORARY DESIGN DISCHARGE [CFS]	71
TEMPORARY DESIGN FREQUENCY	1-YEAR
TEMPORARY WATER SURFACE EL. - UPSTREAM	3.6 FEET
TEMPORARY WATER SURFACE EL. - DOWNSTREAM	3.3 FEET

ENVIRONMENTAL PERMIT PLANS

PLAN DATE: MAY 18, 2023