

A cross-sectional diagram showing a fence post installed in the ground. The post is labeled "TYPICAL FENCE POST". A fabric strip, labeled "SEDIMENT CONTROL FABRIC", is attached to the post. The fabric extends down into the ground, with the bottom edge labeled "BURY END OF FILTER FABRIC MIN. 6\" INTO SOIL". The ground surface is labeled "EXISTING GRADE". An arrow labeled "FLOW" points towards the fabric. Dimensions are given: the post height is "36\" ±", the fabric width is "12\" MIN.", and the burial depth is "100\" ±".

TEMPORARY SANDBAG COFFERDAM
(HEIGHT VARIES)

IMPERVIOUS LINER

FLOW AREA

WORK AREA

The diagram illustrates a temporary sandbag cofferdam. It shows a cross-section of the ground with a hatched pattern. A horizontal line represents the ground surface. To the left of this line is the 'FLOW AREA'. To the right is the 'WORK AREA'. A 'TEMPORARY SANDBAG COFFERDAM' is constructed in the 'WORK AREA', consisting of a stack of sandbags. An 'IMPERVIOUS LINER' is placed between the sandbags and the ground. A line points from the text 'IMPERVIOUS LINER' to the liner. Another line points from the text 'TEMPORARY SANDBAG COFFERDAM (HEIGHT VARIES)' to the stack of sandbags. A small triangle symbol is located on the ground surface line between the flow area and the cofferdam.



SLR
99 REALTY DRIVE
CHESHIRE, CT 06410
203.271.1773
SLRCONSULTING.COM

REVISIONS	

EROSION AND SEDIMENTATION CONTROL DETAILS

**ELI TERRY ELEMENTARY SCHOOL
SAFE ROUTES TO SCHOOL
BRIDGE REPLACEMENT AND INFRASTRUCTURE**

**568 GRIFFIN ROAD
SOUTH WINDSOR, CONNECTICUT**

DP	PD	MJ
DESIGNED	DRAWN	CHECKED

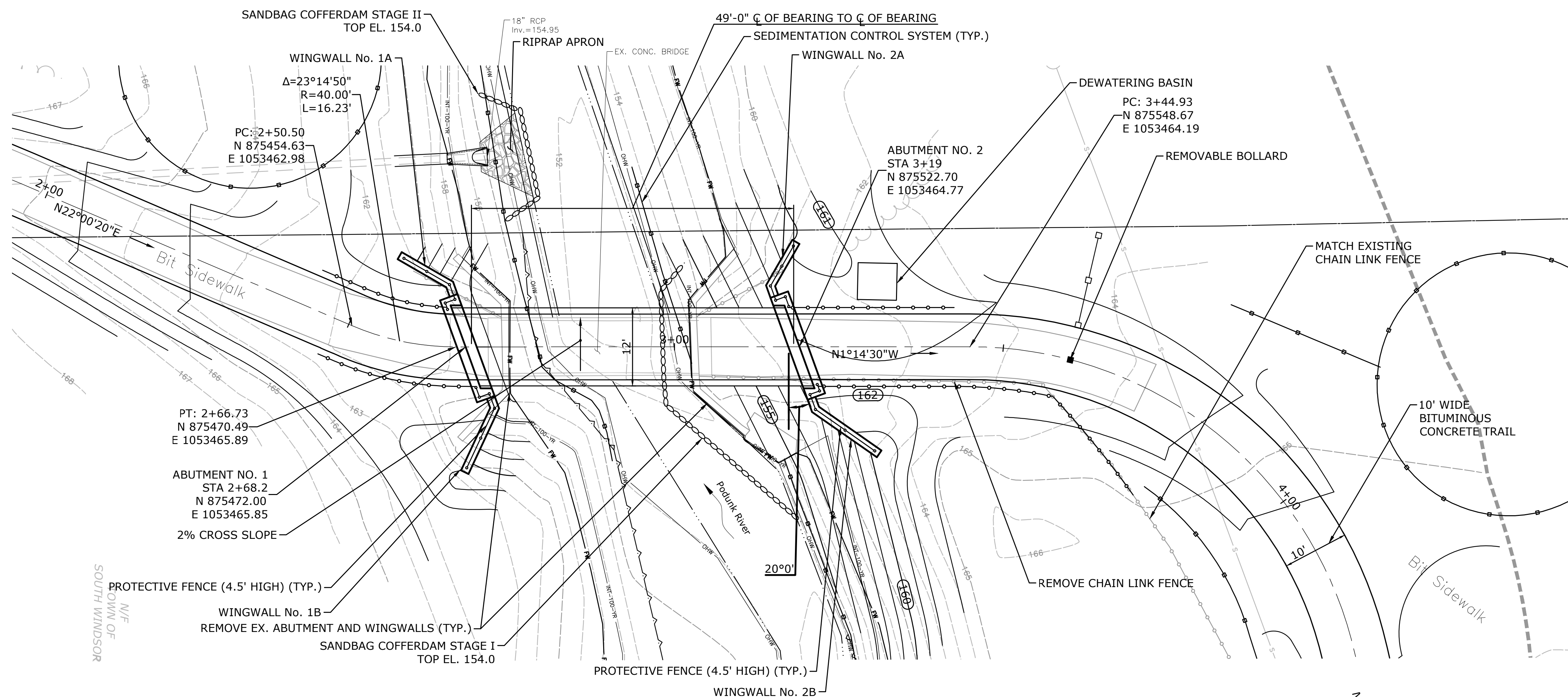
SCALE **1"=20'**

DATE **SEPTEMBER 2023**

PROJECT NO. **2186-17**

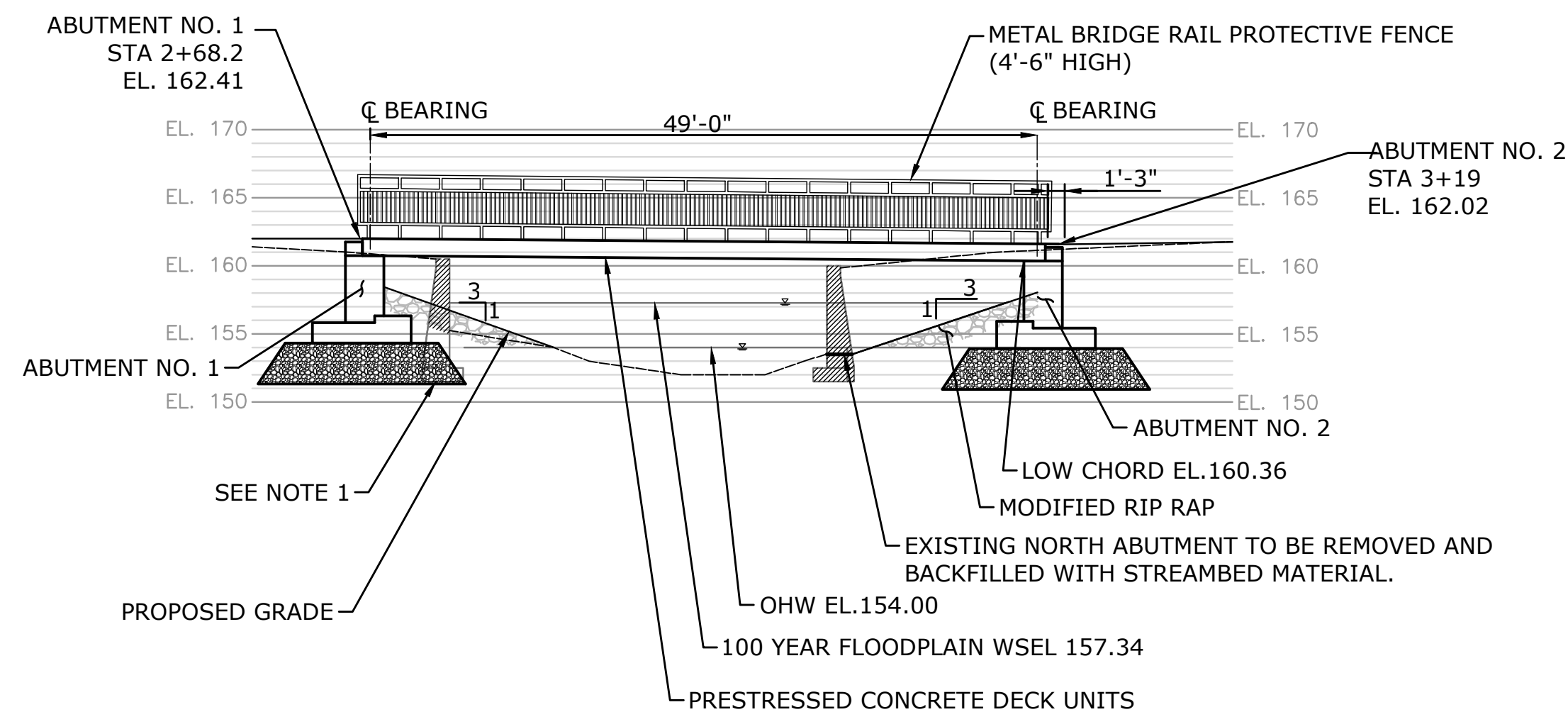
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SHEET NO.



- NOTES:**

1. EXISTING ABUTMENT NO. 1 AND WINGWALLS SHALL BE REMOVED TO ACCOMMODATE PROPOSED ABUTMENT AND WINGWALLS. REMAINDER OF EXISTING ABUTMENT AND WINGWALLS TO BE SAWCUT AND REMOVED TO 12" BELOW FINISHED GRADE.
2. ALL RIPRAP PLACED BELOW ORDINARY HIGH WATER (OHW) SHALL BE COVERED WITH 12" OF NATURAL STREAM BED MATERIAL.
3. CONTRACTOR SHALL CONTACT AND COORDINATE WITH JOE CASSONE (DEEP FISHERIES) AT JOE.CASSONE@CT.GOV AT LEAST TEN DAYS BEFORE FINAL GRADING OF THE WATERCOURSE.
4. SANDBAG COFFERDAMS SHALL BE LINED WITH A POLY-LINER.
5. THE UNCONFINED IN-STREAM WORK WINDOW IS JUNE 1 TO SEPTEMBER 30, INCLUSIVE.



TEMPORARY HYDRAULIC DATA	
Drainage Area	2.04 mi²
Design Frequency	Avg. Spring Flow
Design Discharge	10 cfs
Avg. Daily Flow	4 cfs
Upstream Design Water Surface El. (WSE)	153.08
Downstream Design Water Surface El. (WSE)	153.05

HYDRAULIC DATA	
Drainage Area	2.04 mi²
Design Frequency	100-Yr Storm
Design Discharge	440 cfs
Avg. Daily Flow	4 cfs
Upstream Design Water Surface El.	158.56
Downstream Design Water Surface El.	157.33

STAGE CONSTRUCTION

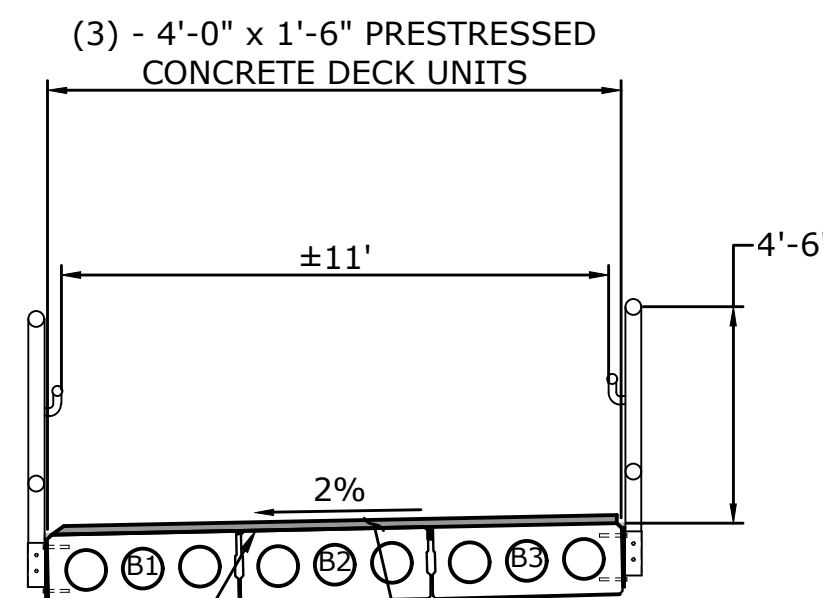
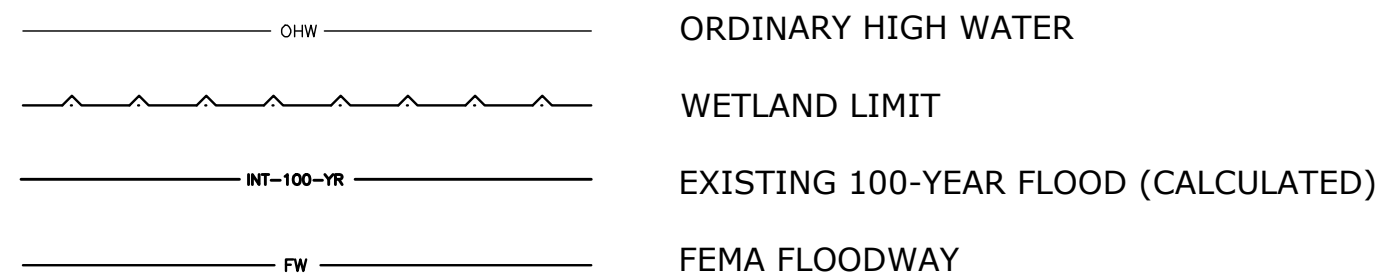
STAGE I

1. INSTALL ALL EROSION AND SEDIMENTATION CONTROL DEVICES
2. INSTALL DEBRIS SHIELD (MINIMUM LOW CHORD EL.158.0) AND REMOVE SUPERSTRUCTURE.
3. INSTALL SANDBAG COFFERDAM TO THE LIMITS SHOWN ON THE PLAN.
4. REMOVE EXISTING ABUTMENT NO. 1 AND WINGWALLS.
5. EXCAVATE FOR SLOPE AND PROPOSED ABUTMENT. PLACE GRANULAR FILL FOR ABUTMENT NO. 2
6. CONSTRUCT PROPOSED ABUTMENT NO. 2 & WINGWALLS.
7. PLACE RIPRAP ON SLOPE

STAGE II

1. RELOCATE SANDBAG COFFERDAM TO THE LIMITS SHOWN ON THE PLAN.
2. CONSTRUCT CULVERT END AND RIPRAP APRON
3. REMOVE SANDBAG COFFERDAM
4. REMOVE EXISTING ABUTMENT NO. 1 AND WINGWALLS AS REQUIRED TO ACCOMMODATE PROPOSED ABUTMENT NO. 1
5. EXCAVATE FOR SLOPE AND PROPOSED ABUTMENT NO. 1. PLACE GRANULAR FILL FOR ABUTMENT NO. 1. REMOVE REMAINDER OF EXISTING ABUTMENT NO. 1 TO 12" BELOW FINISHED GRADE.
6. CONSTRUCT PROPOSED ABUTMENT & WINGWALLS.
7. PLACE RIPRAP ON SLOPE
8. CONSTRUCT SUPERSTRUCTURE.

LAYOUT LEGEND:



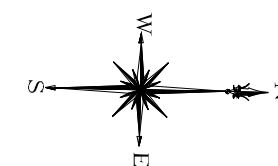
MEMBRANE WATERPROOFING — 2" BITUMINOUS OVERLAY (CLASS 2)

TYPICAL SECTION - PEDESTRIAN BRIDGE

SCALE : $\frac{1}{4}" = 1'-0"$

NOTE

PICKETS NOT SHOWN FOR CLARITY.

[illegible]

WATER HANDLING & STAGE CONSTRUCTION PLAN

**ELI TERRY ELEMENTARY SCHOOL
SAFE ROUTES TO SCHOOL
BRIDGE REPLACEMENT AND INFRASTRUCTURE**

GDJ	TEB	GF
DESIGNED	DRAWN	CHECKED

SCALE **AS NOTED**

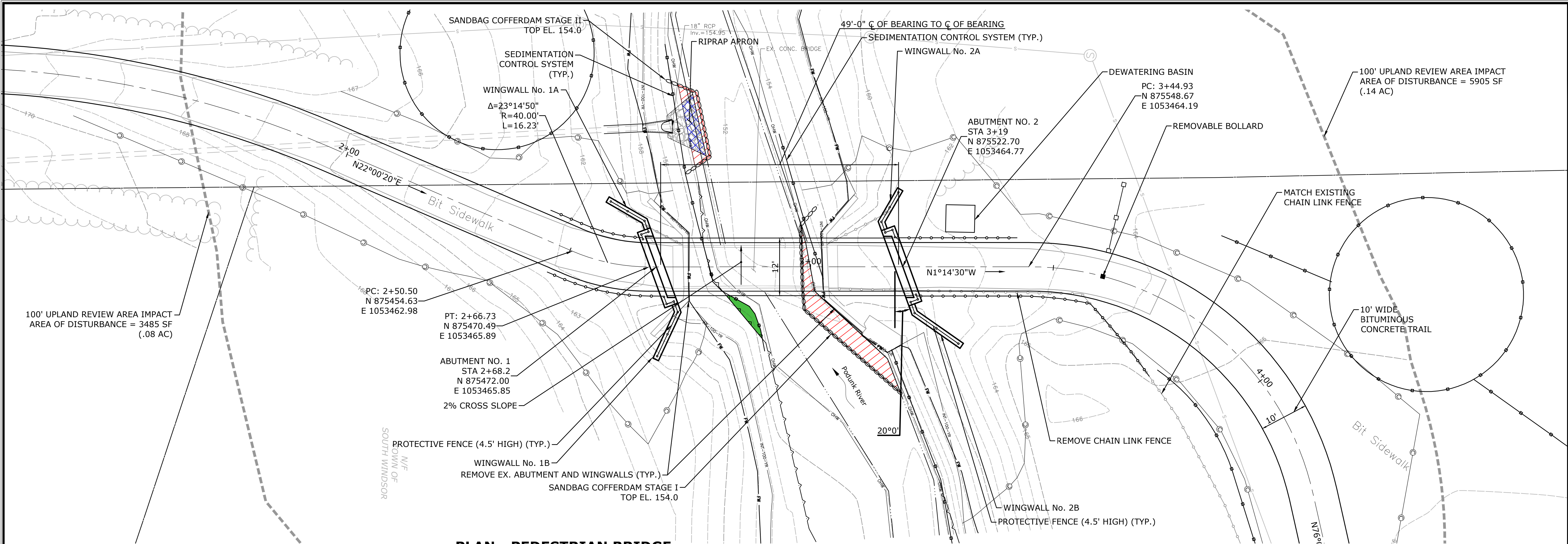
DATE **SEPTEMBER 2023**

PROJECT NO. **2186-17**

DWG NO. **STR-2**

17

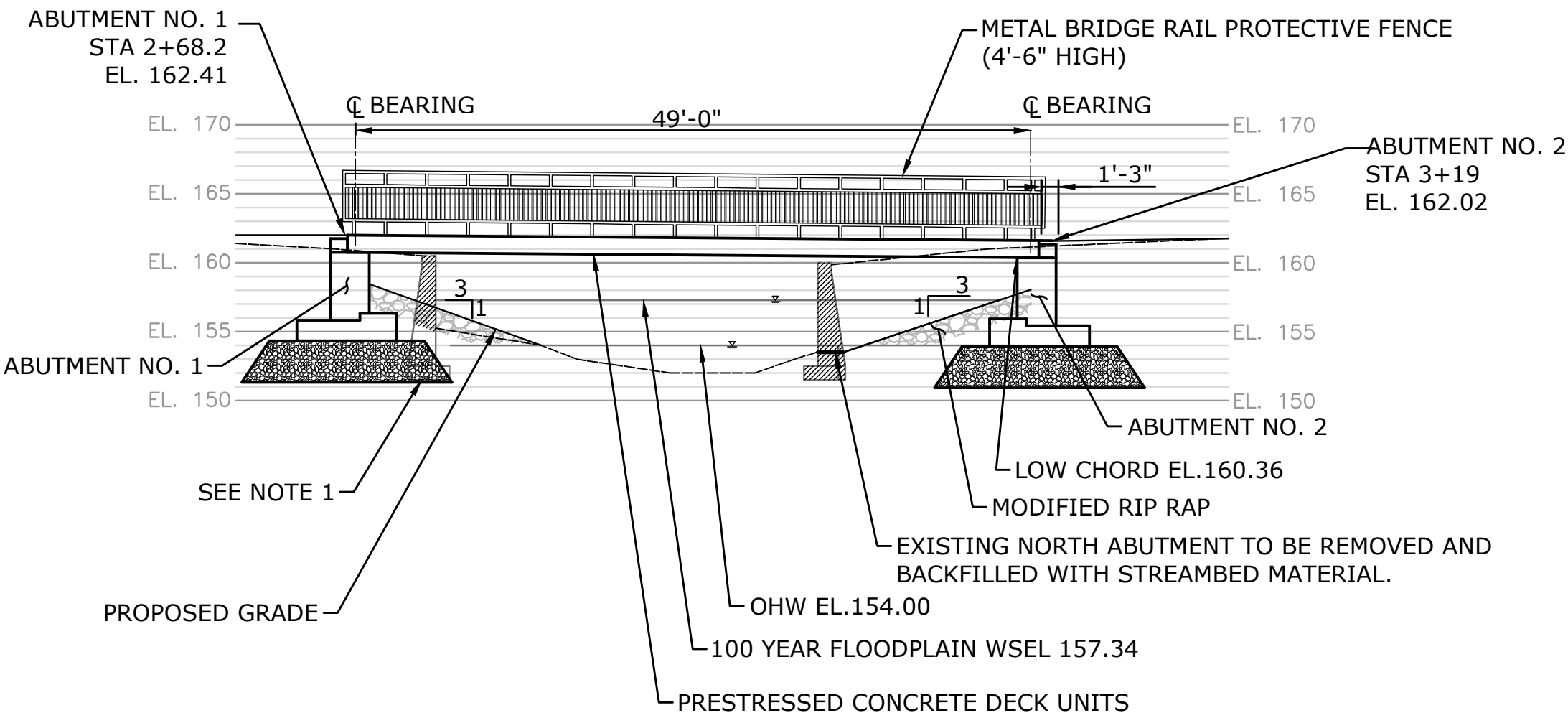
SHEET NO.



PLAN - PEDESTRIAN BRIDGE
SCALE : 1" = 10'

NOTES:

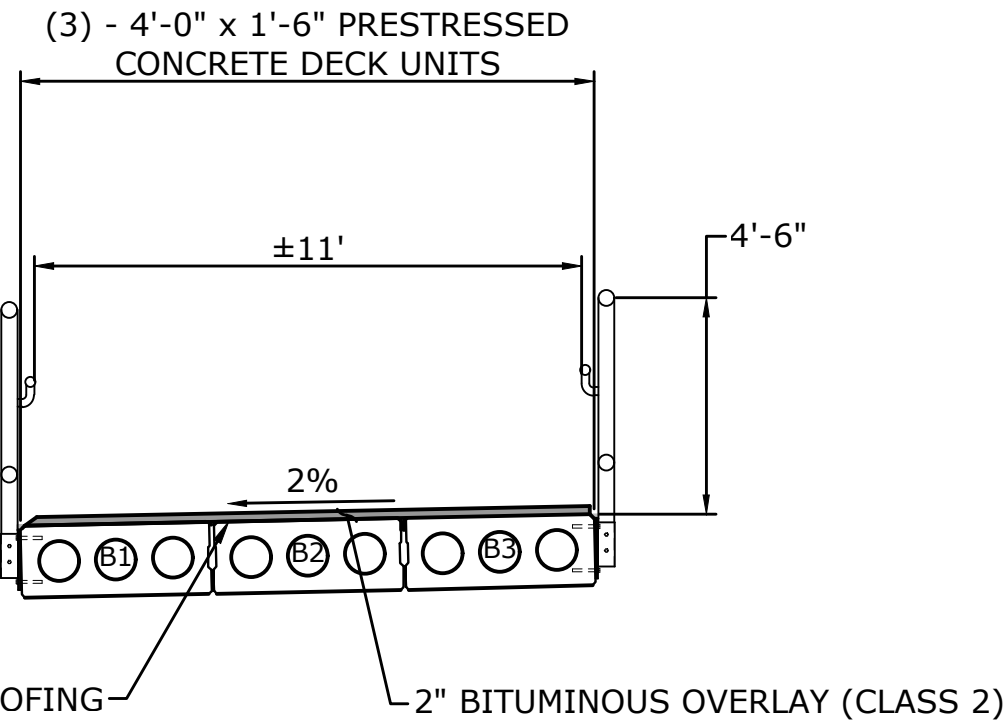
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ELEVATION - PEDESTRIAN BRIDGE
SCALE : 1" = 10'

LAYOUT LEGEND:

- OHW: ORDINARY HIGH WATER LINE
- SW: STATE WETLAND LIMITS
- 100-YR: EXISTING 100-YEAR FLOOD (CALCULATED)
- FW: FEMA FLOODWAY
- TEMPORARY IMPACTS (WATERCOURSE)
- PERMANENT IMPACTS (WATERCOURSE)
- TEMPORARY IMPACTS (WETLAND)
- PERMANENT IMPACTS (WETLAND)



TYPICAL SECTION - PEDESTRIAN BRIDGE

NOTE
PICKETS NOT SHOWN FOR CLARITY.

PERMANENT 100-YEAR FLOODPLAIN IMPACTS		
Excavation in FEMA Floodplain	Fill in FEMA Floodplain	NET
47 cy	13 cy	34 cy (Excavation)

NOTE
NO TEMPORARY 100-YEAR FLOODPLAIN IMPACTS.

WETLAND IMPACT TABLE			
	WETLAND	WATERWAY	TOTAL
PERMANENT IMPACTS	0 SF	30 SF	30 SF
TEMPORARY IMPACTS	17 SF	284 SF	301 SF
TOTAL IMPACTS	17 SF	314 SF	331 SF

SLR

55 PLATTY DRIVE
PO BOX 10
203.271.1773
SLRCONSULTING.COM

REVISIONS

WETLAND/WATERCOURSE IMPACT PLAN

ELI TERRY ELEMENTARY SCHOOL
SAFE ROUTES TO SCHOOL
BRIDGE REPLACEMENT AND INFRASTRUCTURE

589 GRIFFIN ROAD
SOUTH WINDSOR, CONNECTICUT

GDJ	TEB	GF
DESIGNED	DRAWN	CHECKED

SCALEAS NOTED

DATESEPTEMBER 2023

PROJECT NO.2186-17

DWG NO.ENV-2

19

SHEET NO.