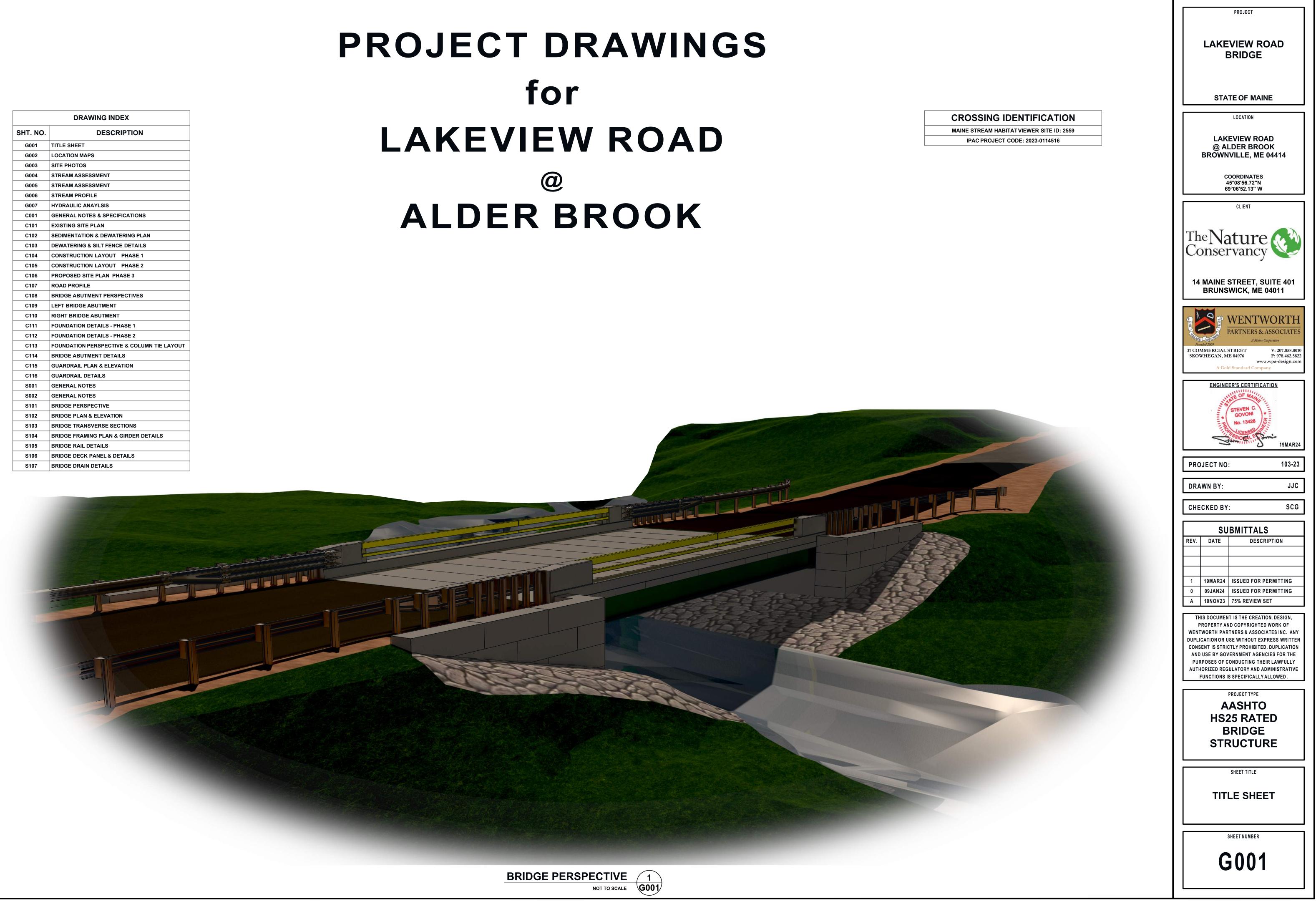
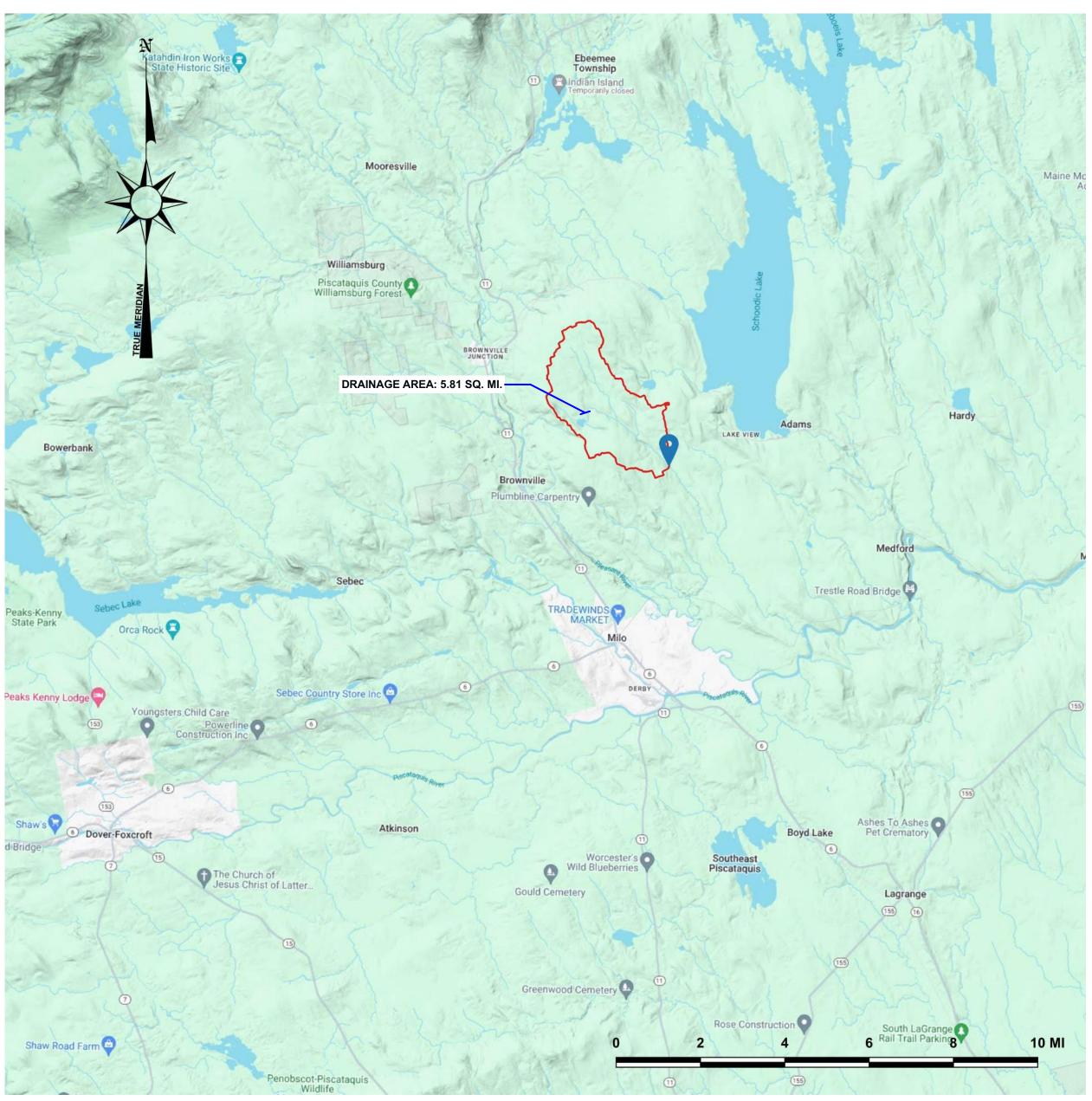
for LAKEVIEW ROAD **ALDER BROOK**

	DRAWING INDEX
SHT. NO.	DESCRIPTION
G001	TITLE SHEET
G002	LOCATION MAPS
G003	SITE PHOTOS
G004	STREAM ASSESSMENT
G005	STREAM ASSESSMENT
G006	STREAM PROFILE
G007	HYDRAULIC ANAYLSIS
C001	GENERAL NOTES & SPECIFICATIONS
C101	EXISTING SITE PLAN
C102	SEDIMENTATION & DEWATERING PLAN
C103	DEWATERING & SILT FENCE DETAILS
C104	CONSTRUCTION LAYOUT PHASE 1
C105	CONSTRUCTION LAYOUT PHASE 2
C106	PROPOSED SITE PLAN PHASE 3
C107	ROAD PROFILE
C108	BRIDGE ABUTMENT PERSPECTIVES
C109	LEFT BRIDGE ABUTMENT
C110	RIGHT BRIDGE ABUTMENT
C111	FOUNDATION DETAILS - PHASE 1
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C113	FOUNDATION PERSPECTIVE & COLUMN TIE LAYOUT
C114	BRIDGE ABUTMENT DETAILS
C115	GUARDRAIL PLAN & ELEVATION
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S001	GENERAL NOTES
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S101	BRIDGE PERSPECTIVE
S102	BRIDGE PLAN & ELEVATION
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S104	BRIDGE FRAMING PLAN & GIRDER DETAILS
S105	BRIDGE RAIL DETAILS
S106	BRIDGE DECK PANEL & DETAILS
S107	BRIDGE DRAIN DETAILS





VICINITY MAP / DRAINAGE BASIN SCALE = 1:125000 1 G002





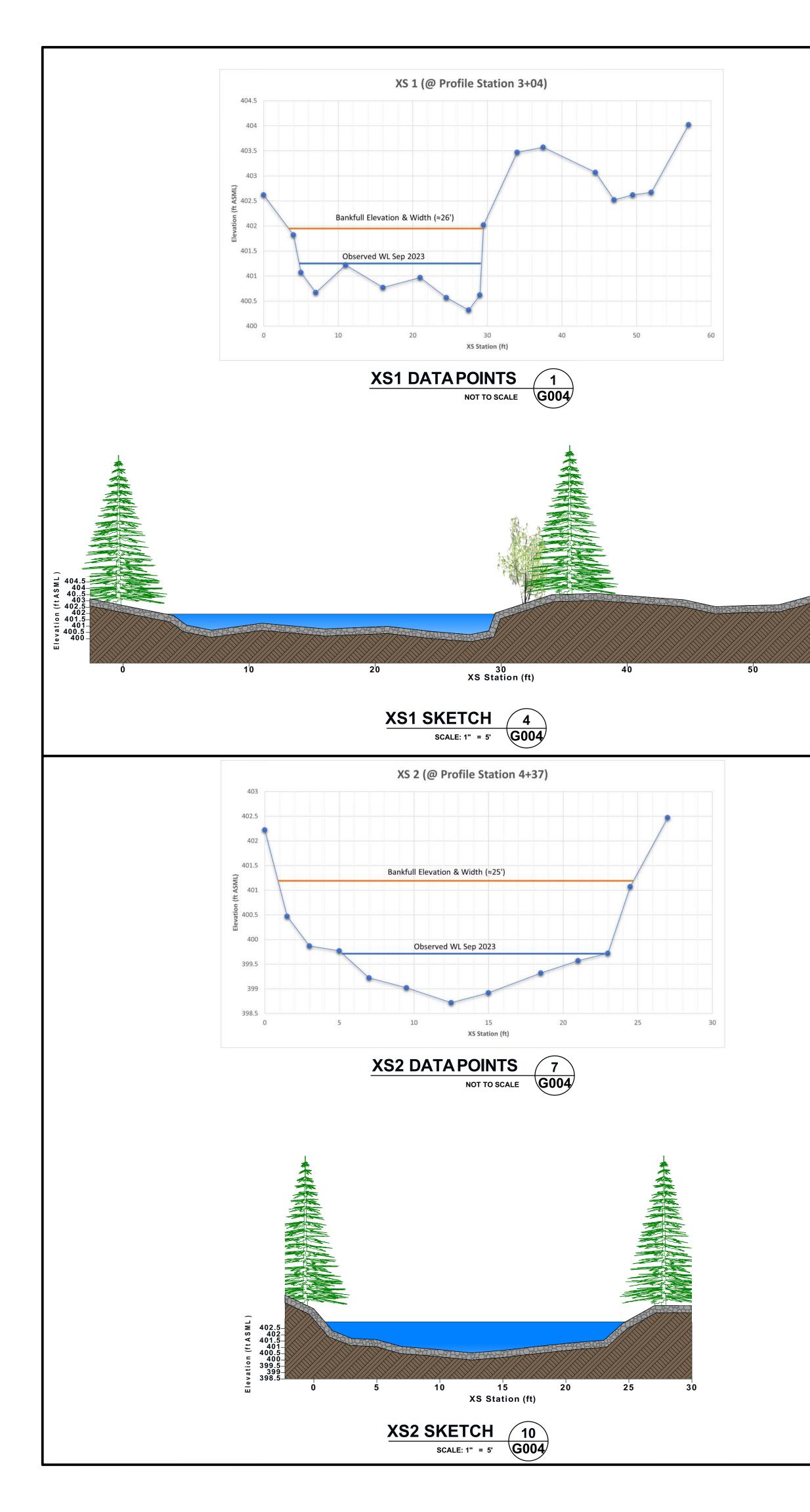
 SITE LOCATION
 2

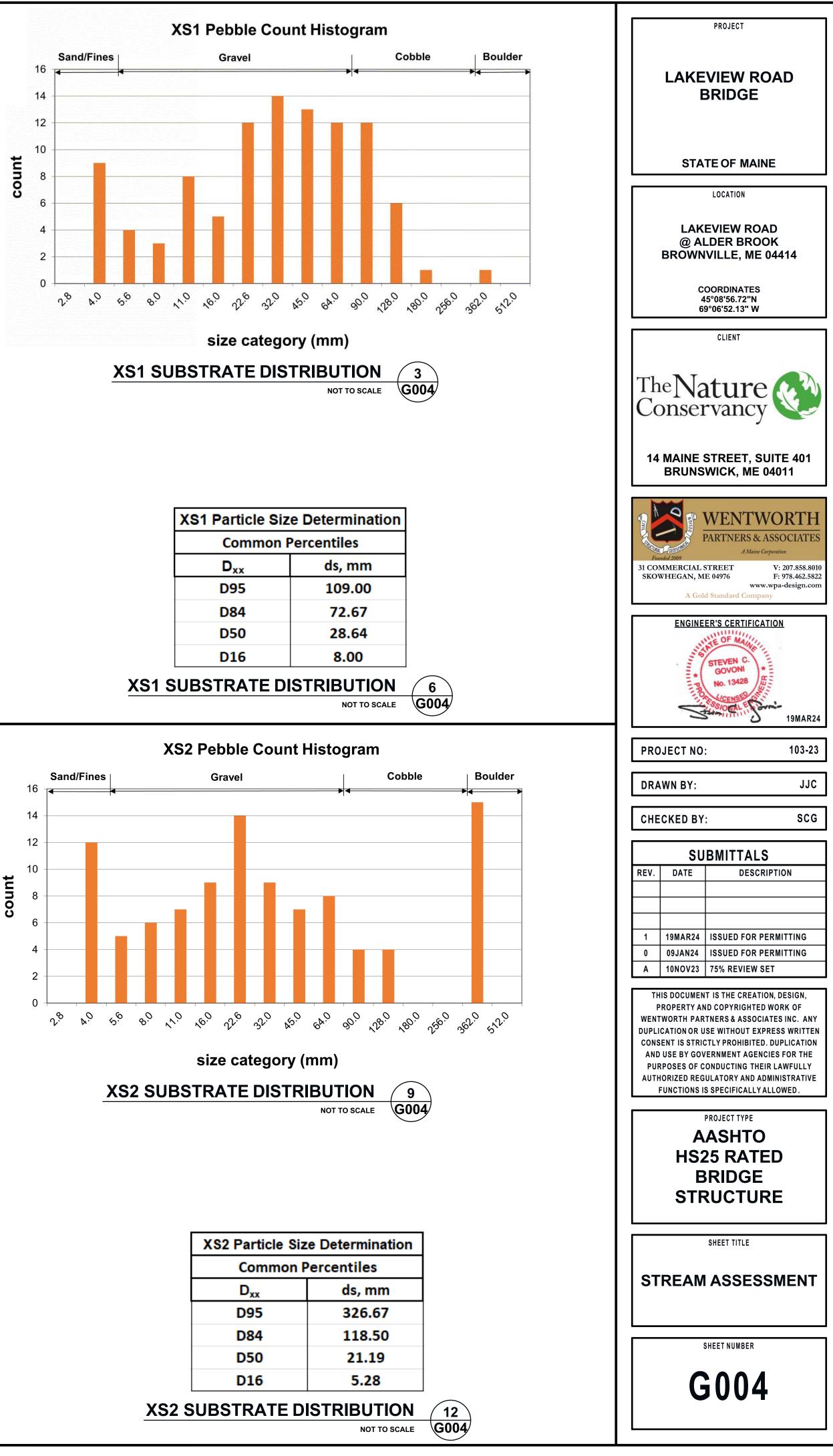
 SCALE: 1" = 100'
 G002

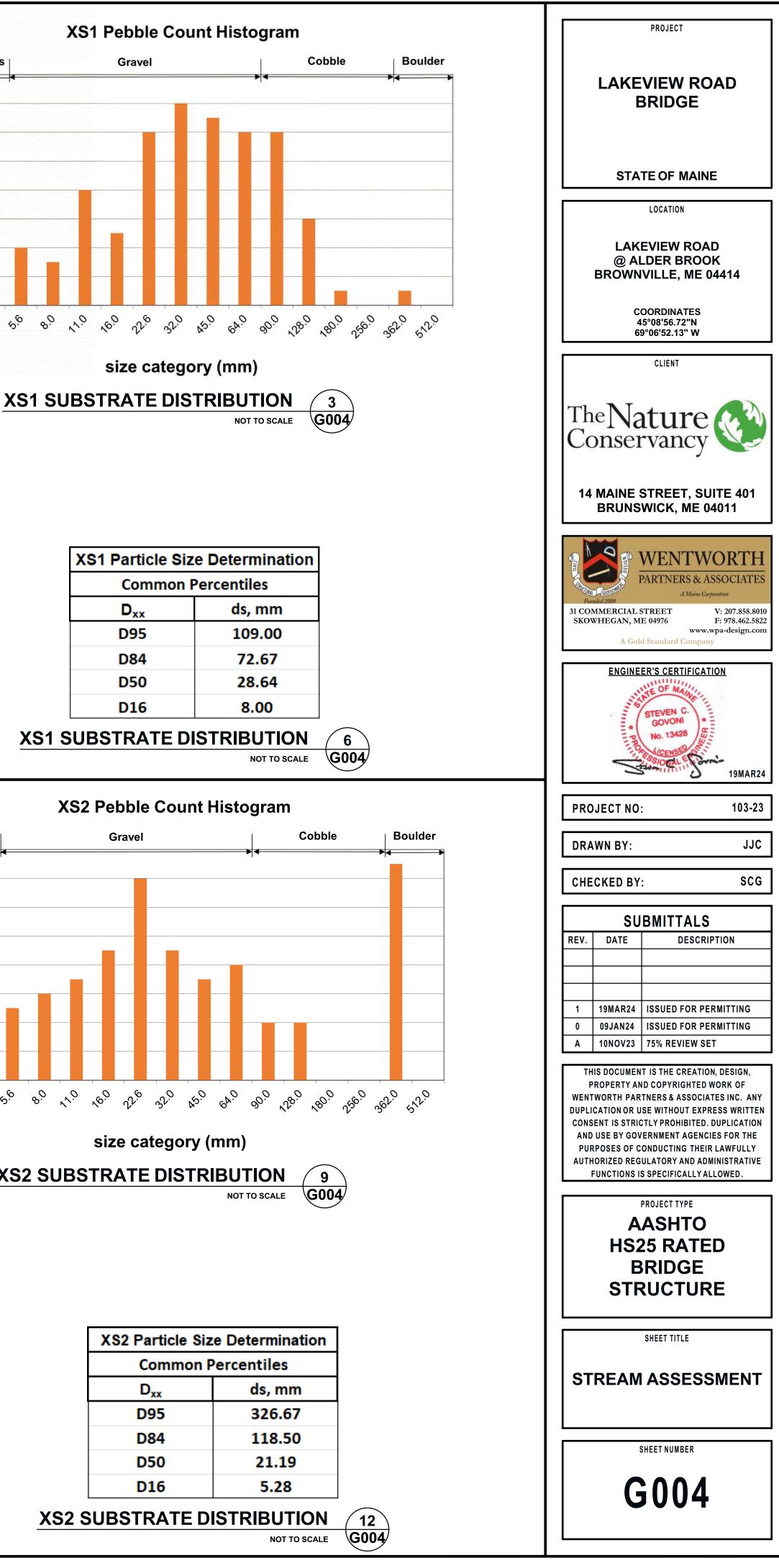
PROJECT
LAKEVIEW ROAD BRIDGE
STATE OF MAINE
LOCATION
LAKEVIEW ROAD @ ALDER BROOK BROWNVILLE, ME 04414
COORDINATES 45°08'56.72"N 69°06'52.13" W
CLIENT
The Nature
14 MAINE STREET, SUITE 401 BRUNSWICK, ME 04011
WENTWORTH PARTNERS & ASSOCIATES DATIONAL STREET SKOWHEGAN, ME 04976 31 COMMERCIAL STREET SKOWHEGAN SKOWHEGAN, ME 04976 31 COMMERCIAL STREET SKOWHEGAN S
ENGINEER'S CERTIFICATION
STEVEN C. GOVONI No. 13428 SOUTH CENSER SOUTH CENSER SOUT
PROJECT NO: 103-23
DRAWN BY: JJC
CHECKED BY: SCG
CIIDMITTALO
SUBMITTALS REV. DATE DESCRIPTION
1 19MAR24 ISSUED FOR PERMITTING 0 09JAN24 ISSUED FOR PERMITTING A 10NOV23 75% REVIEW SET
THIS DOCUMENT IS THE CREATION, DESIGN, PROPERTY AND COPYRIGHTED WORK OF WENTWORTH PARTNERS & ASSOCIATES INC. ANY DUPLICATION OR USE WITHOUT EXPRESS WRITTEN CONSENT IS STRICTLY PROHIBITED. DUPLICATION AND USE BY GOVERNMENT AGENCIES FOR THE PURPOSES OF CONDUCTING THEIR LAWFULLY AUTHORIZED REGULATORY AND ADMINISTRATIVE FUNCTIONS IS SPECIFICALLY ALLOWED.
PROJECT TYPE AASHTO HS25 RATED BRIDGE STRUCTURE
SHEET TITLE
SHEET NUMBER
G002

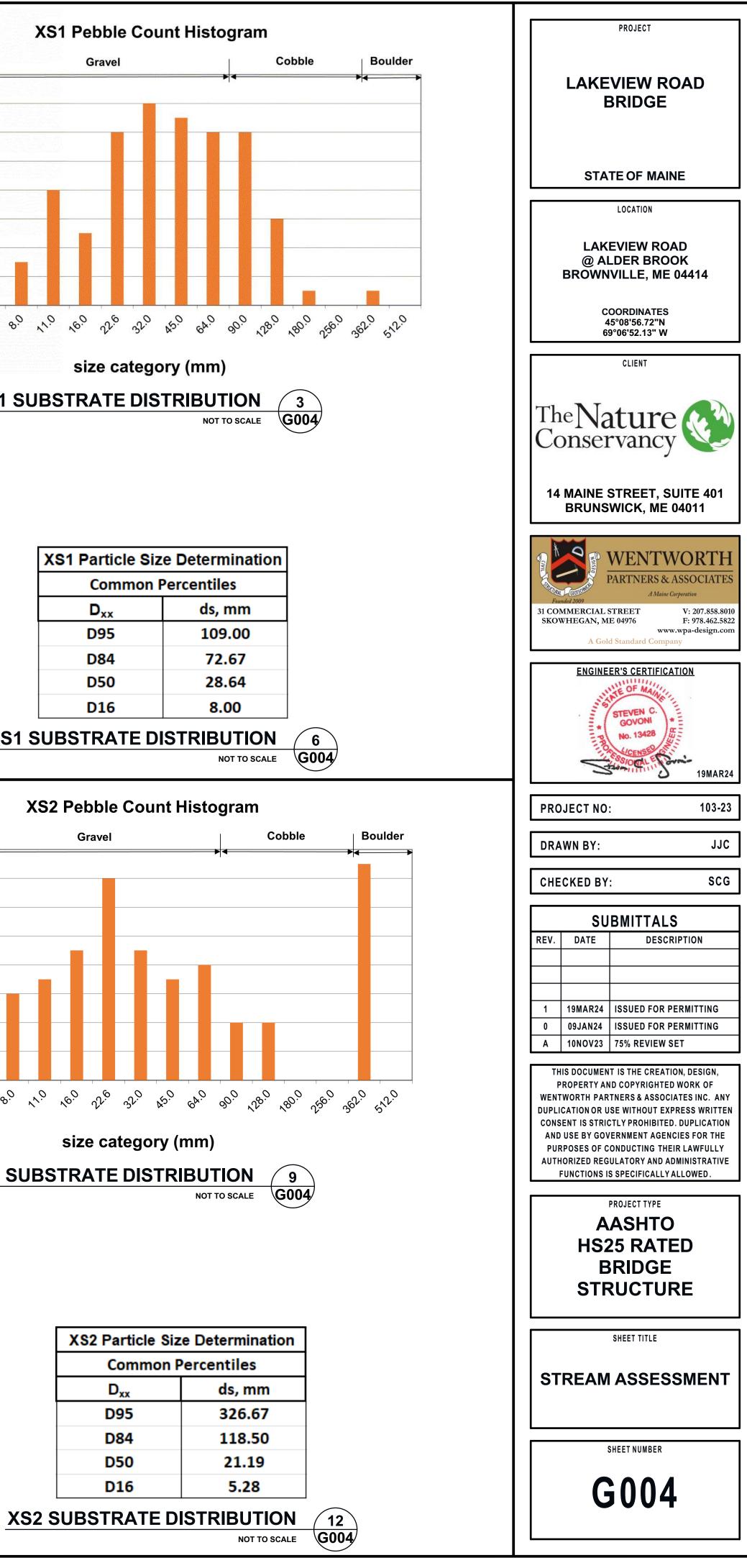


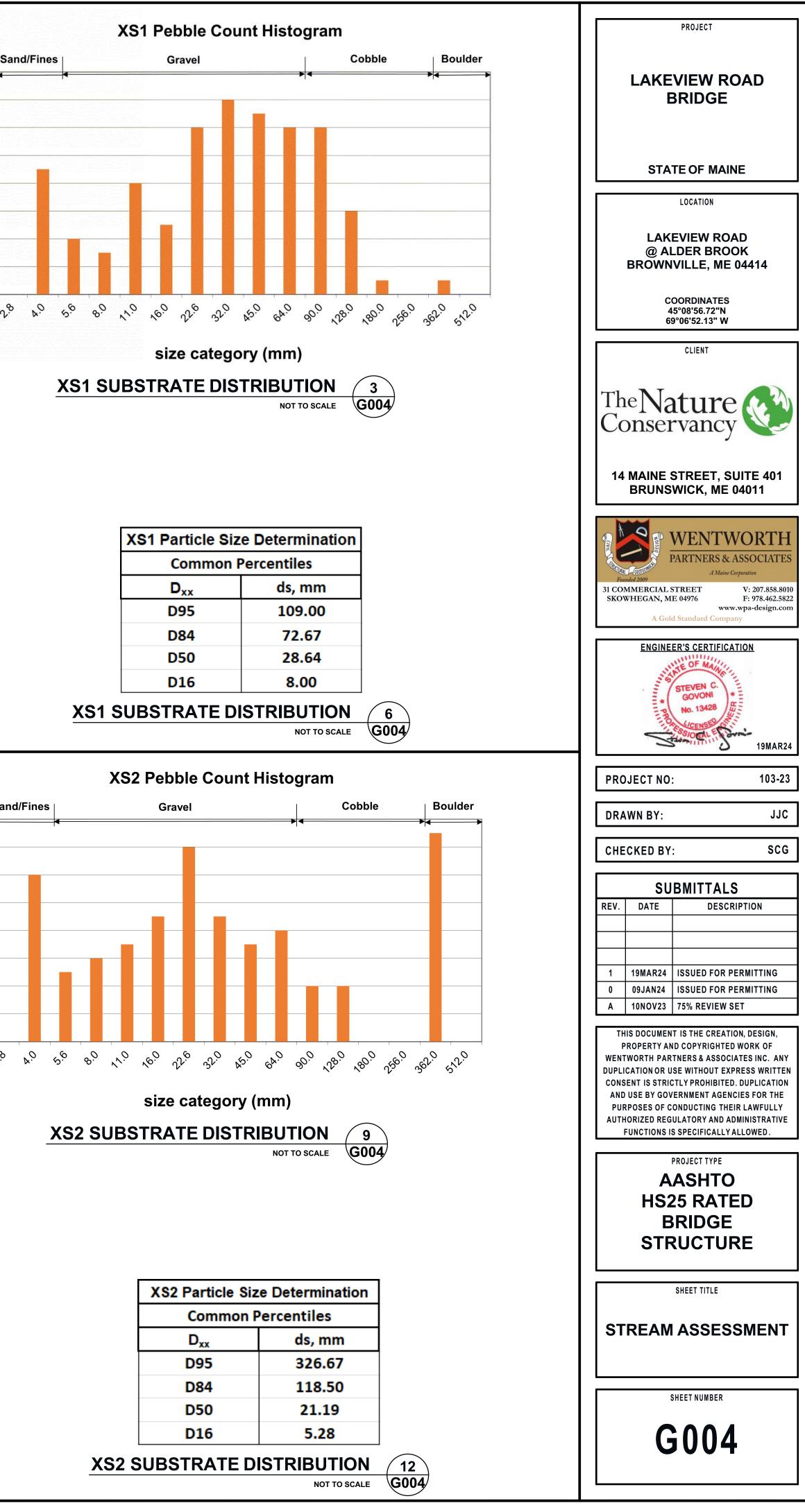
LAKEVIEW ROAD LAKEVIEW ROAD @ ALDER BROOK BROWNVILLE, ME 04414 14 MAINE STREET, SUITE 401 BRUNSWICK, ME 04011 **WENTWORTH** PARTNERS & ASSOCIATE V: 207.858.8010 F: 978.462.5822 www.wpa-design.com 19MAR24 103-23 JJC SCG DESCRIPTION 19MAR24 ISSUED FOR PERMITTING 0 09JAN24 ISSUED FOR PERMITTING THIS DOCUMENT IS THE CREATION, DESIGN, PROPERTY AND COPYRIGHTED WORK O VENTWORTH PARTNERS & ASSOCIATES INC. AN' JPLICATION OR USE WITHOUT EXPRESS WRITTE **ONSENT IS STRICTLY PROHIBITED. DUPLICATION** AND USE BY GOVERNMENT AGENCIES FOR THE PURPOSES OF CONDUCTING THEIR LAWFULLY AUTHORIZED REGULATORY AND ADMINISTRATIVE FUNCTIONS IS SPECIFICALLY ALLOWED.

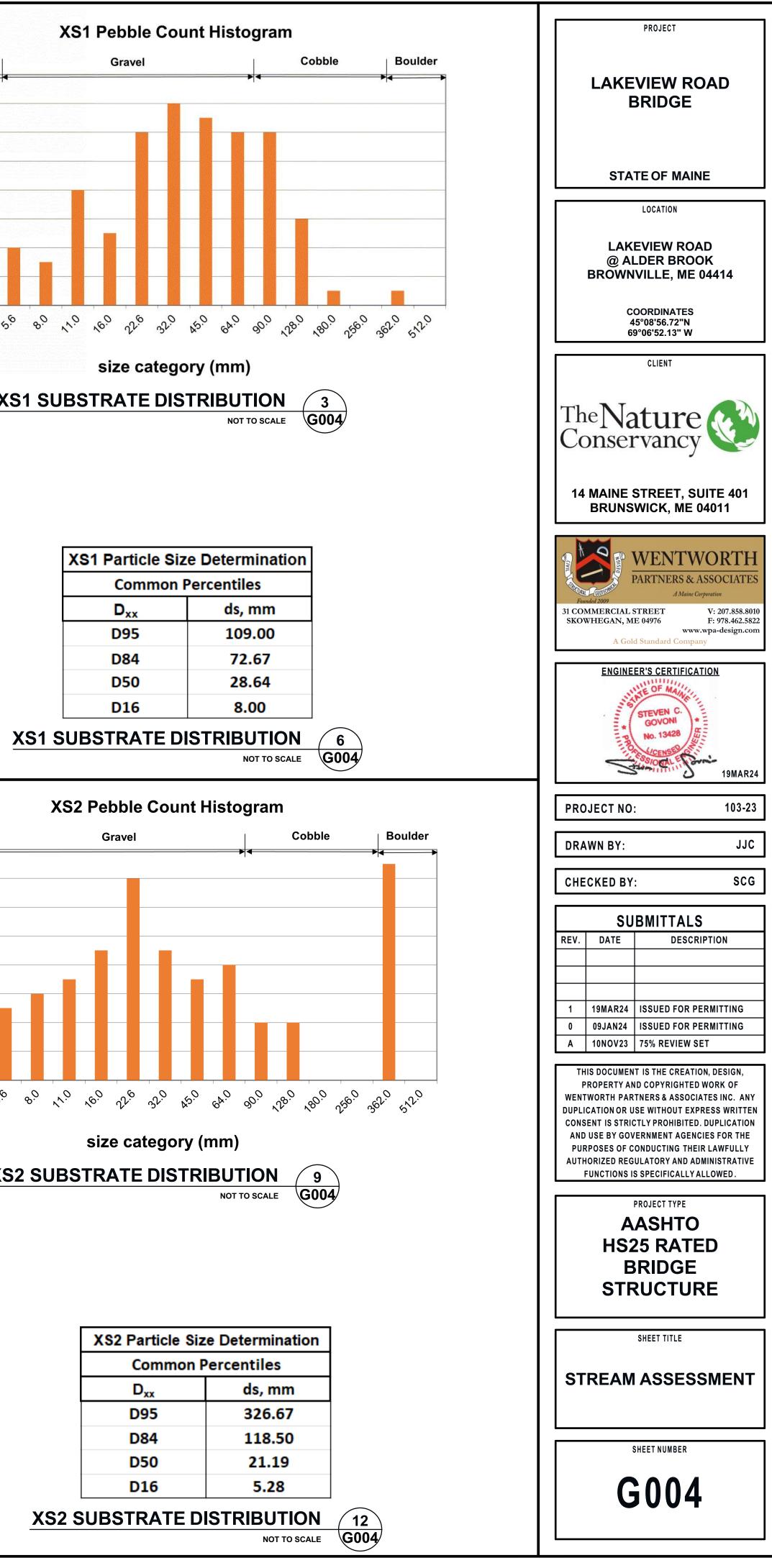


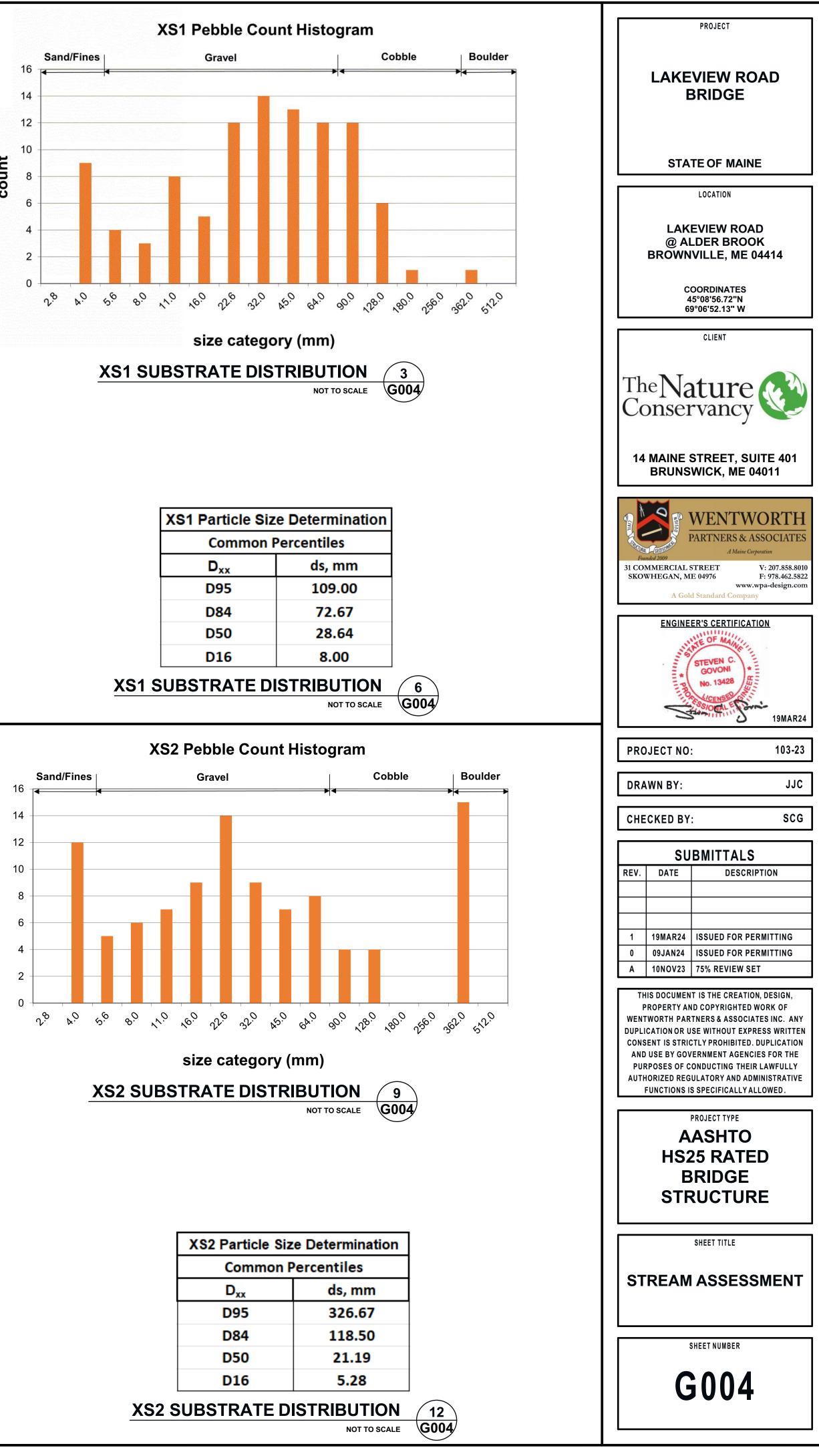






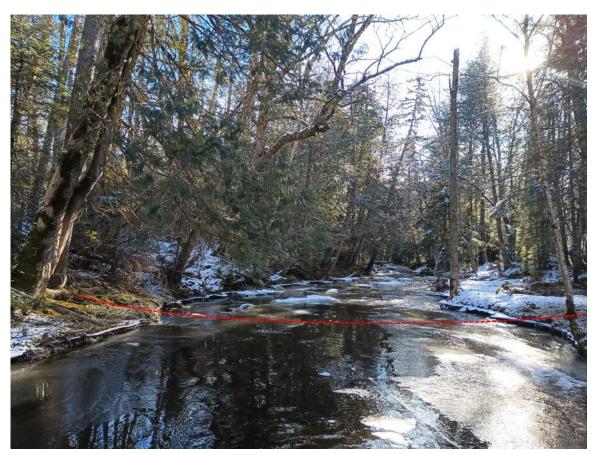








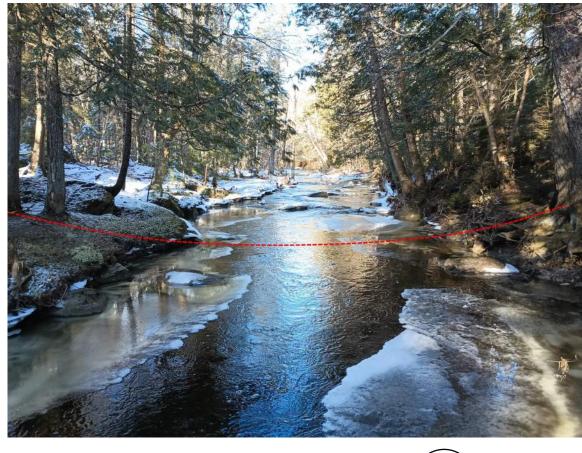




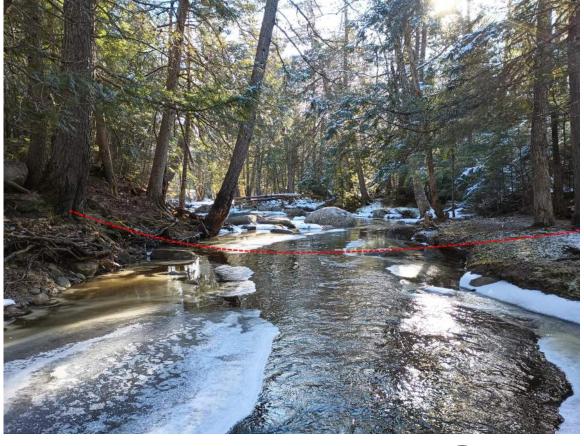


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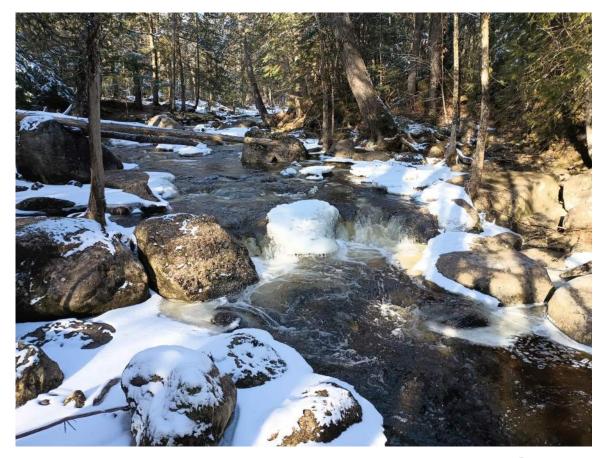
G004



XS2 UPSTREAM VIEW 8 G004 NOT TO SCALE

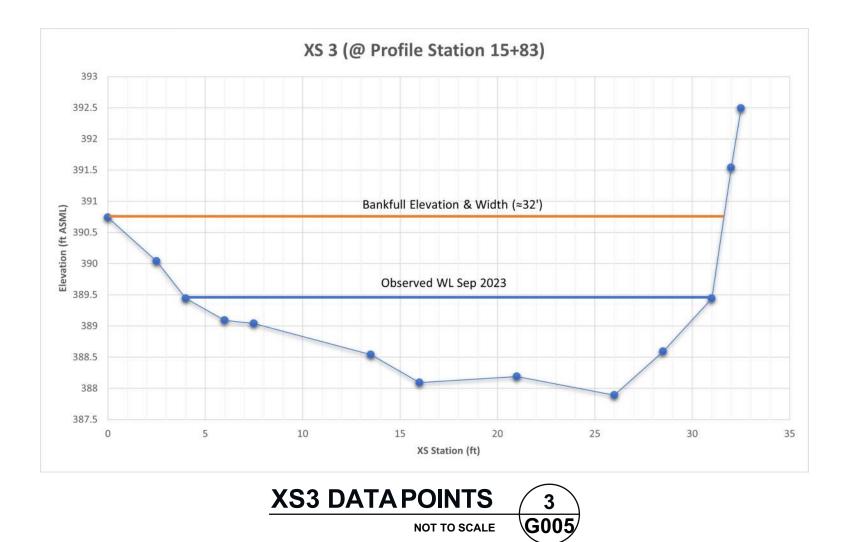


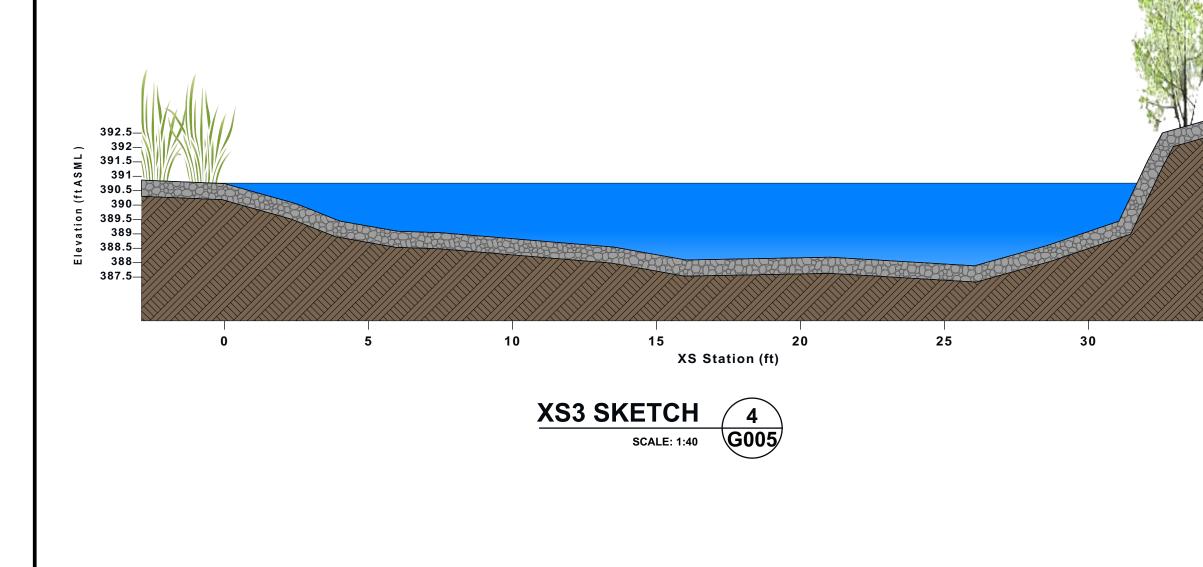
XS2 DOWNSTREAM VIEW 11 G004 NOT TO SCALE

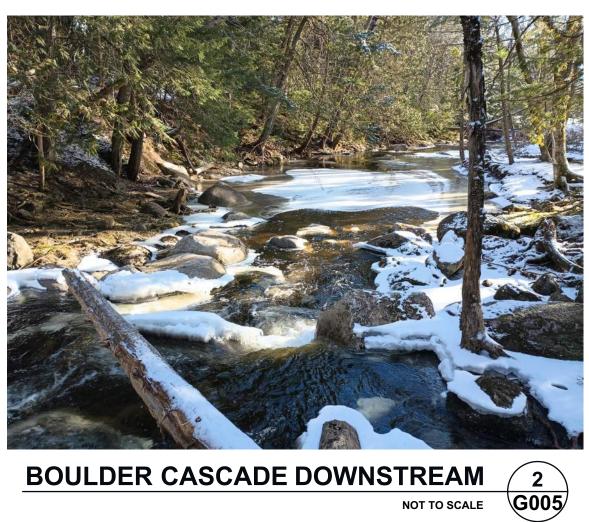


BOULDER CASCADE UPSTREAM (1) NOT TO SCALE G005

XS3 ORIGINALLY TAKEN ALONG DASHED LINE IN SEP 2023. THE RIGHT BANK HAS SLOUGHED AND THE STREAM SOMEWHAT REROUTED SINCE THEN, LIKELY DURING DEC 2023 FLOODING. THE RIFFLE THAT PREVIOUSLY WAS AT XS3 IS NOW SLIGHTLY FURTHER DOWNSTREAM AND RUNS ALMOST PARALLEL TO THE STREAM AS SEEN IN THE PHOTOS.



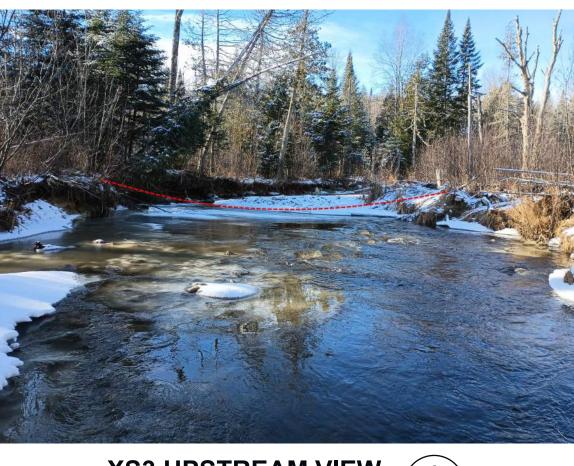






NEW BANK SLOUGHING G005 NOT TO SCALE

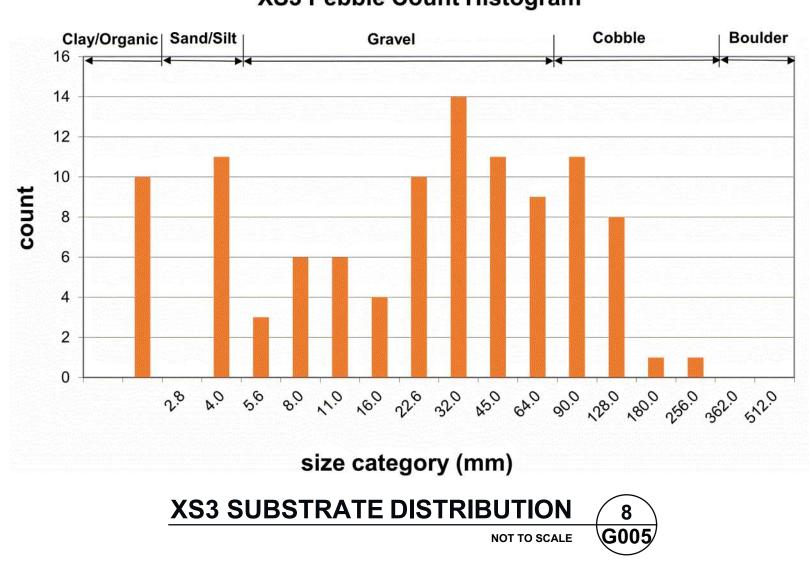
5







35



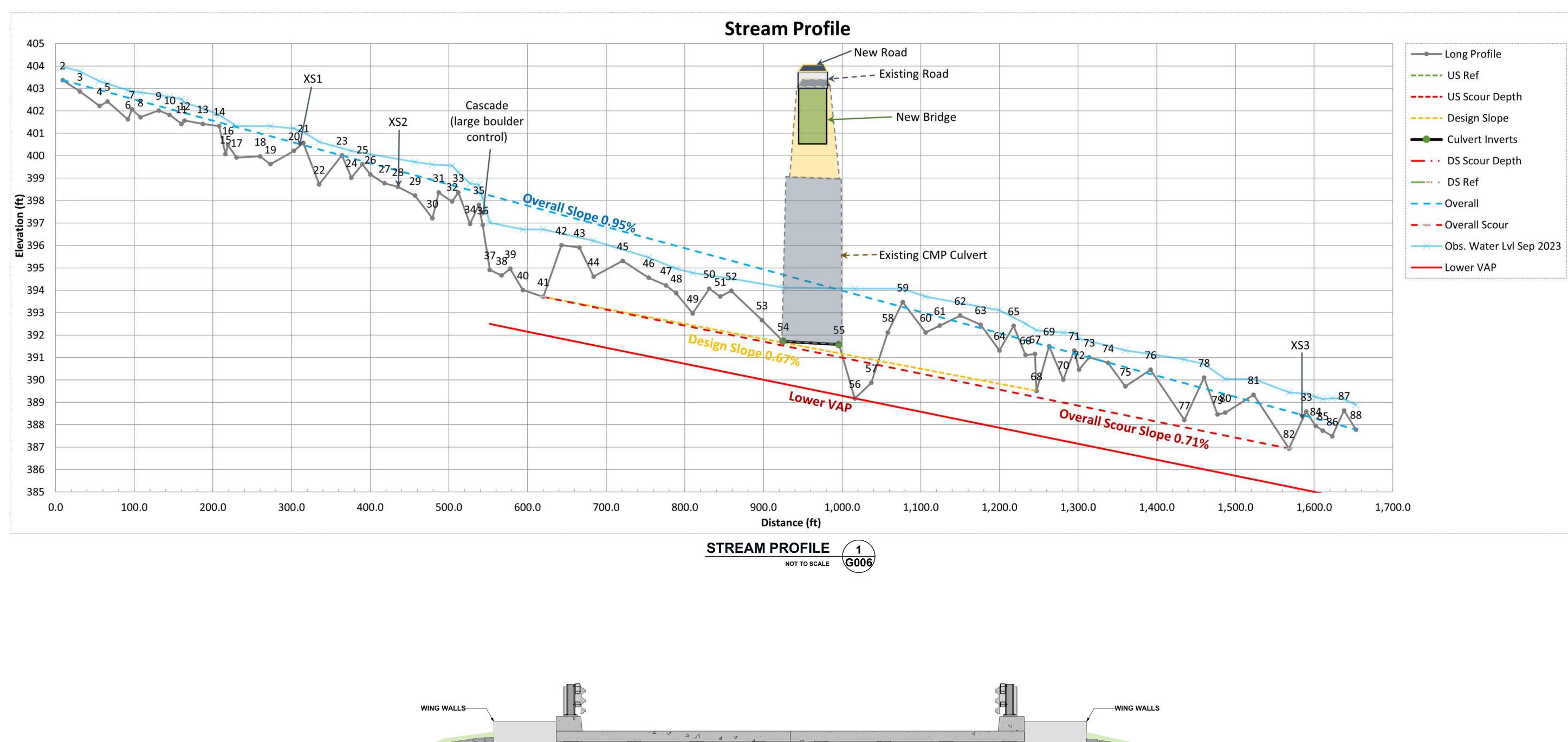


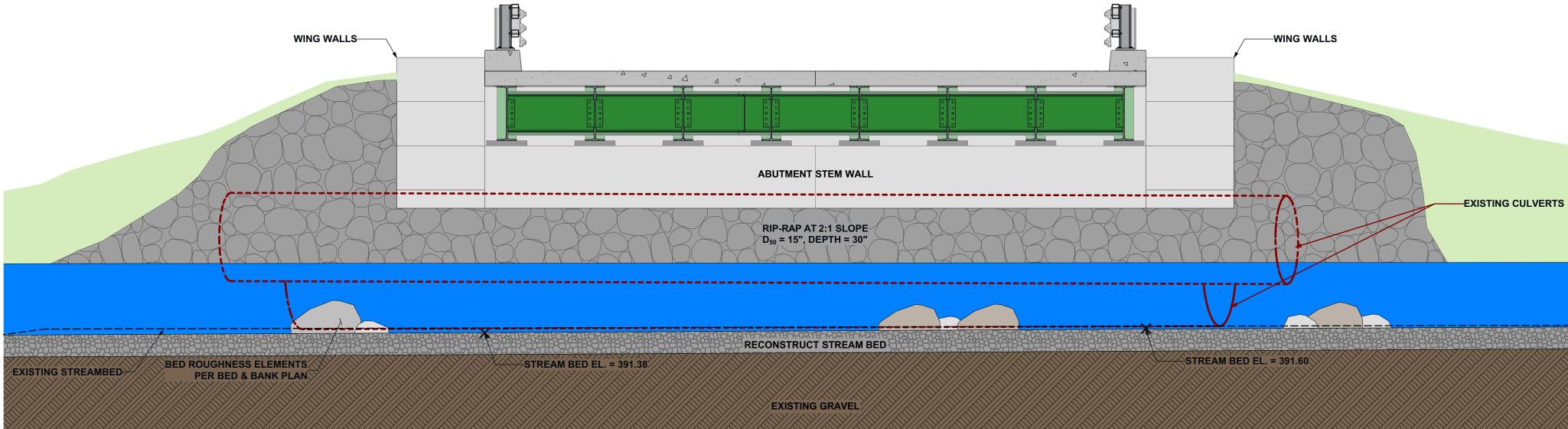
XS3 Pebble Count Histogram

XS3 Particle Siz	e Determination
Common F	Percentiles
D _{xx}	ds, mm
D95	112.56
D84	73.93
D50	24.28
D16	3.54
210	0.01

XS3 SUBSTRATE DISTRIBUTION BUTION 9 NOT TO SCALE 9

PROJECT
LAKEVIEW ROAD BRIDGE
STATE OF MAINE
LOCATION
LAKEVIEW ROAD @ ALDER BROOK BROWNVILLE, ME 04414 COORDINATES 45°08'56.72"N
45 06 56.72 N 69°06'52.13" W
CLIENT
The Nature
14 MAINE STREET, SUITE 401 BRUNSWICK, ME 04011
Founded 2009 WENTWORTH PARTNERS & ASSOCIATES A Maine Corporation
31 COMMERCIAL STREET V: 207.858.8010 SKOWHEGAN, ME 04976 F: 978.462.5822 www.wpa-design.com A Gold Standard Company
ENGINEER'S CERTIFICATION
STATE OF MAINS
* GOVONI
No. 13428
19MAR24
PROJECT NO: 103-23
DRAWN BY: JJC
CHECKED BY: SCG
CHECKED B1: 300
SUBMITTALS REV. DATE DESCRIPTION
SUBMITTALS
SUBMITTALS REV. DATE DESCRIPTION
SUBMITTALS
SUBMITTALS REV. DATE 1 19MAR24
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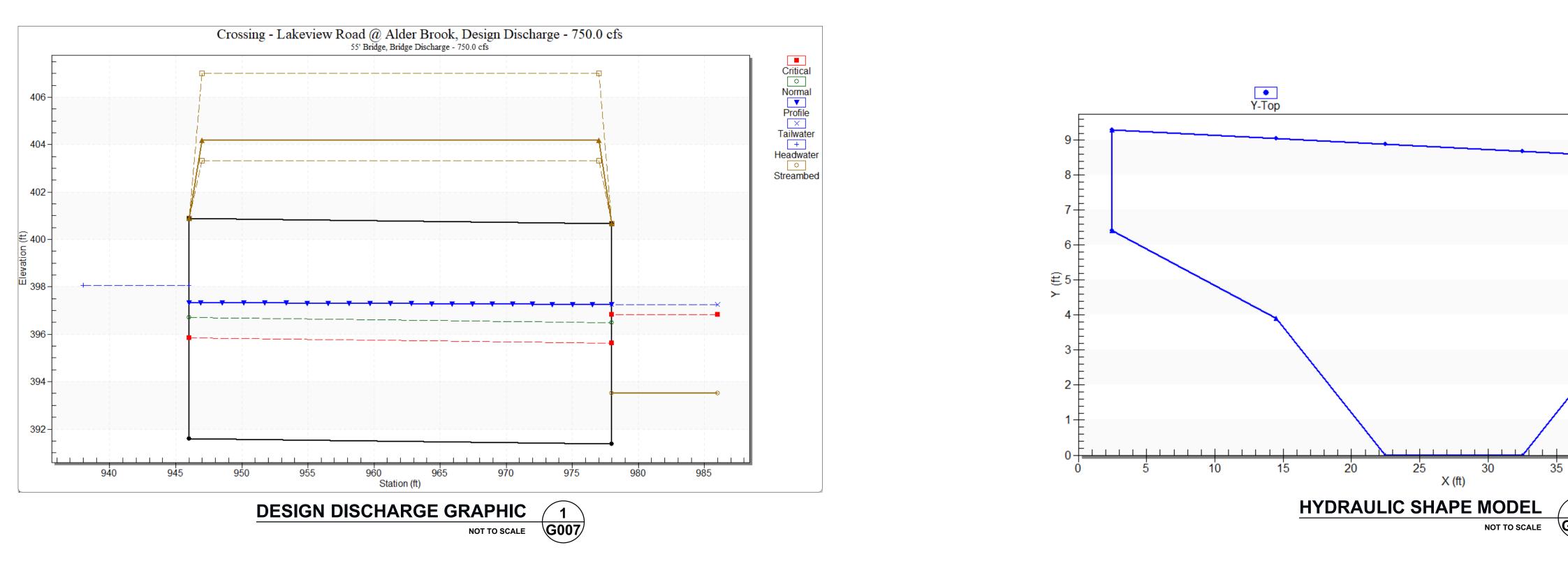
STRUCTURE PROFILE (LOOKING SOUTH) 2



SCALE: 1:40 G006

LAKEVIEW ROAD BRIDGE
STATE OF MAINE
LOCATION
LAKEVIEW ROAD @ ALDER BROOK BROWNVILLE, ME 04414
COORDINATES 45°08'56.72"N 69°06'52.13" W
CLIENT
The Nature
14 MAINE STREET, SUITE 401 BRUNSWICK, ME 04011
WENTWORTH PARTNERS & ASSOCIATES Damine Corporation 31 COMMERCIAL STREET SKOWHEGAN, ME 04976 Y: 207.858.8010 F: 978.462.5822 www.wpa-design.com A Gold Standard Company A Gold Standard Company
ENGINEER'S CERTIFICATION
STEVEN C. GOVONI No. 13428
19MAR24
PROJECT NO: 103-23
DRAWN BY: JJC
DRAWN BY: JJC CHECKED BY: SCG
CHECKED BY: SCG SUBMITTALS
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CHECKED BY: SCG SUBMITTALS REV. DATE DESCRIPTION 1 19MAR24 1 19MAR24

PROJECT

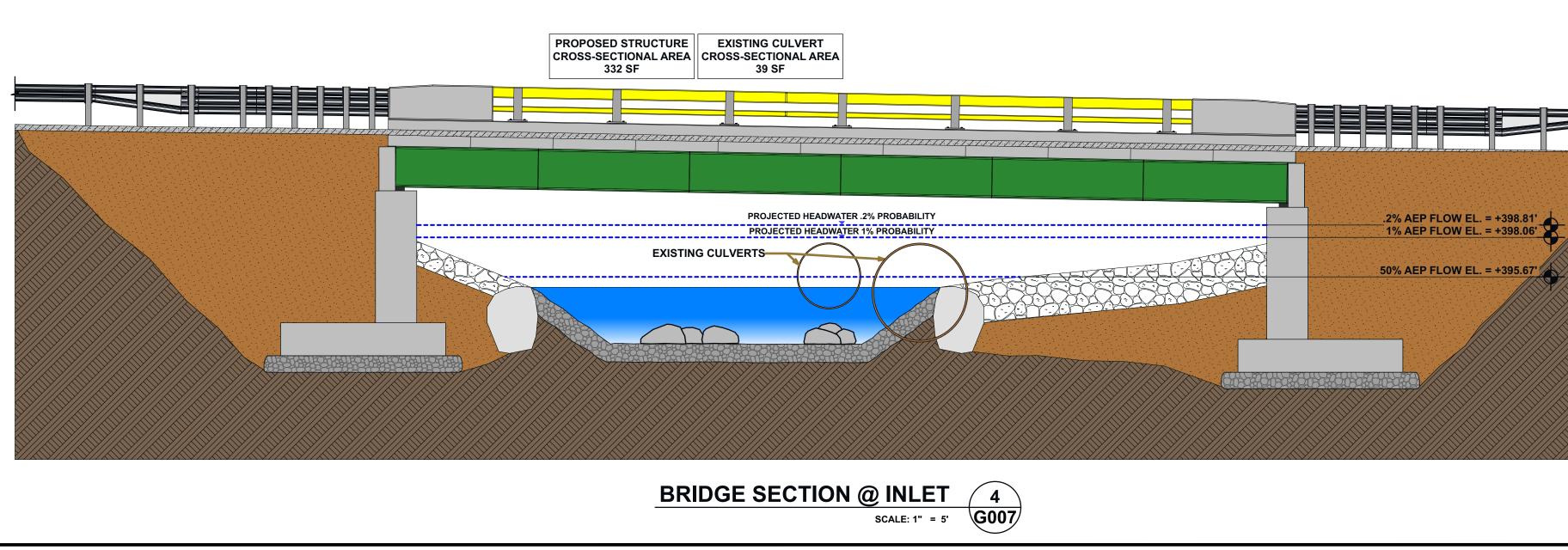


Crossing: Lakeview Road @ Alder Brook

Annual Probability	Bridge	Headwater	Inlet Control	Outlet Control	Flow Type	Normal	Critical	Outlet	Tailwater	Outlet	Tailwater
of Exceedance (%)	Discharge (cfs)	Elevation (ft)	Depth(ft)	Depth(ft)	riow Type	Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	Velocity (ft/s)	Velocity (ft/s)
50	231.00	395.67	1.97	4.07	3-M1t	2.73	2.18	3.98	1.86	3.19	5.68
20	353.00	396.37	2.52	4.77	3-M1t	3.41	2.78	4.52	2.40	4.01	6.58
10	442.00	396.82	2.86	5.22	3-M1t	3.83	3.15	4.86	2.74	4.44	7.10
4	561.00	397.34	3.27	5.74	3-M1t	4.40	3.59	5.28	3.16	4.88	7.68
2	655.00	397.72	3.56	6.12	3-M1t	4.78	3.90	5.58	3.46	5.14	8.07
1	750.00	398.06	3.91	6.46	3-M1t	5.10	4.26	5.87	3.75	5.36	8.43
0.5	847.00	398.39	4.22	6.79	3-M1t	5.40	4.57	6.14	4.02	5.55	8.76
0.2	982.00	398.81	4.58	7.21	3-M1t	5.77	4.94	6.51	4.39	5.76	9.18

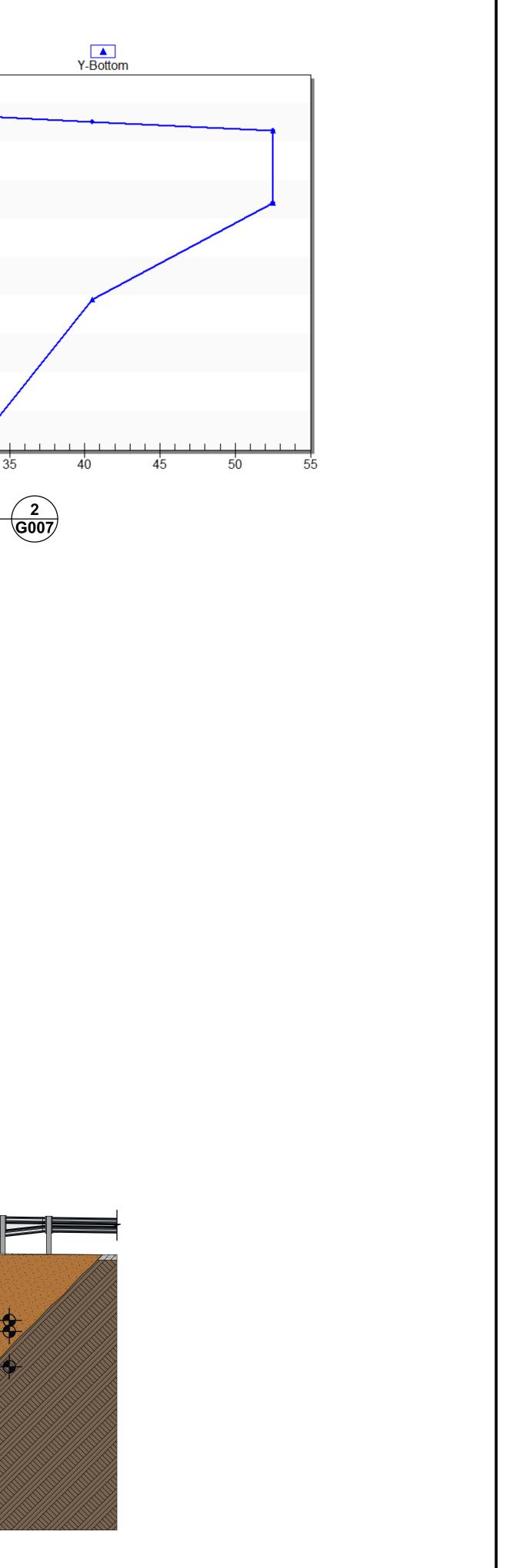
Road Elevation = 403.69' @ Right Abutment with 46" combined Bridge Superstructure, Deck Panels, and Finish Wearing Surface Bridge Clear Span = 50.0' Rise from Inlet Stream Bed = 8.29' (to Top of Right Abutment)

Stream Inlet Elevation = 391.60' (Restored Stream Channel) 1% AEP Flow (DESIGN FLOW) = 750 cfs 0.2% AEP Flow = 982 cfs



Outlet & Tailwater Control = 393.5' (Stream Profile Point 59) Headwater Ratio = (398.06' – 391.60') / 8.29' = 0.78 (≈1.8') Headwater Ratio = (398.81' – 391.60') / 8.29' = 0.87 (≈1.1')





PROJECT	
LAKEVIEW ROAD BRIDGE	
STATE OF MAINE	
LOCATION	
LAKEVIEW ROAD @ ALDER BROOK BROWNVILLE, ME 04414	
COORDINATES 45°08'56.72"N 69°06'52.13" W	
CLIENT	٦
The Nature Conservancy	
14 MAINE STREET, SUITE 401 BRUNSWICK, ME 04011	
Founded 2009 WENTWORTH PARTNERS & ASSOCIATES A Maine Corporation	-
31 COMMERCIAL STREET SKOWHEGAN, ME 04976 F: 978.462.582 www.wpa-design.com A Gold Standard Company	2
ENGINEER'S CERTIFICATION	
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STEVEN C. GOVONI No. 13428	
STEVEN C.	
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PROJECT NO: 103-23	
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PROJECT NO: 103-23 DRAWN BY: JJC CHECKED BY: SCG	
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Image: Steven construction 19MAR24 PROJECT NO: 103-23 DRAWN BY: JJC CHECKED BY: SCG SUBMITTALS REV. DATE DESCRIPTION 1 19MAR24 ISSUED FOR PERMITTING 0 09JAN24	
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G007

GENERAL NOTES:

CONTAMINATION PREVENTION:

- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE ADOPTED STATE **PREVENTING DIRECT WATER CONTAMINATION** GEN-1. RIDGE CODE AND ANY LOCAL, REGIONAL, STATE, and/or FEDERAL WCP-1. REFUELING CONSTRUCTION EQUIPMENT OUTSIDE 100 YEAR FLOODPLAI REGULATIONS or LAWS.
- GEN-2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO COMMENCING WORK. WHERE DIMENSIONS, ELEVATIONS, AND/OR FEATURES OF EXISTING CONDITIONS COULD AFFECT THE NEW WCP-2. CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAKE FIELD MEASUREMENTS IN TIME FOR THEIR INCORPORATION IN THE SHOP DRAWINGS. THE PROJECT ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES THAT MAY EXIST.
- GEN-3. FURNISH AND PLACE ALL SUPPORTS, TEMPORARY AND PERMANENT, WHETHER SHORING, BRACING, NEEDLING, UNDERPINNING, OR SHEET PILING. NECESSARY TO BRACE EXISTING CONDITIONS TO REMAIN, SO THAT NO HORIZONTAL OR VERTICAL SETTLEMENT OCCURS TO THE EXISTING WCP-4. STRUCTURES or SURROUNDING AREA. TEMPORARY SUPPORTS SHALL BE MAINTAINED IN PLACE UNTIL PERMANENT SUPPORTS ARE INSTALLED. DESIGN OF THESE SUPPORTS SHALL BE BY A LICENSED ENGINEER IN THE EMPLOY OF WCP-5. THE CONTRACTOR.
- ALTERNATE CONNECTION DETAILS MAY BE APPROVED IF SUCH DETAILS ARE WCP-6. WET CONCRETE NOT CONTACTING WATER ENTERING OR FLOWING GEN-4. SUBMITTED TO THE ENGINEER FOR REVIEW AND ACCEPTANCE IS GRANTED. HOWEVER, THE ENGINEER SHALL BE THE SOLE JUDGE OF ACCEPTABILITY AND THE CONTRACTOR'S BID SHALL ANTICIPATE THE USE OF THOSE SPECIFIC WCP-7. DETAILS SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL RETAIN A LICENSED STRUCTURAL or CIVIL ENGINEER TO BE RESPONSIBLE FOR THE WCP-8. HAVING LINES CROSS STREAMS PERPENDICULARLY TO STREAM FLOW. DESIGN OF ANY PROPOSED ALTERNATE DETAILS.
- GEN-5. WORK NOT INDICATED ON A PART OF THE DRAWINGS BUT REASONABLY IMPLIED TO BE SIMILAR TO THAT SHOWN AT CORRESPONDING PLACES, SHALL BE INCLUDED IN THE CONTRACTOR'S WORK.
- GEN-6. THE CONTRACTOR IS REQUIRED TO EXAMINE THE DRAWINGS AND SPECIFICATIONS CAREFULLY, VISIT THE SITE AND FULLY INFORM THEMSELVES AS TO ALL EXISTING CONDITIONS AND LIMITATIONS, PRIOR TO AGREEING TO PROTECTING THE FLOODPLAIN AND STREAMSIDE FOREST PERFORMING ANY WORK IN ACCORDANCE WITH DRAWINGS AND ADJACENT AND DOWNSTREAM PROPERTIES AND INTERFERES WITH NATURAL SPECIFICATIONS WITHOUT ADDITIONAL COST TO THE OWNER.

- AT LEAST 200 FEET FROM ALL WATER BODIES (WHICHEVER DISTANCE GREATER), AND PROTECTING THE REFUELING AREA WITH SECONDARY CONTAINMENT.
- STORING HAZARDOUS MATERIALS, FUEL, LUBRICATING OILS, OR CHEMICALS OUTSIDE OF THE 100 YEAR FLOODPLAIN, OR AT LEAST 20 FROM ALL WATER BODIES (WHICHEVER DISTANCE IS GREATER) AT AN U MOBILIZATION AREA.
- WCP-3. INSPECTING AND MAINTAINING EQUIPMENT DAILY TO PREVENT CONTAMINATION OF SURFACE WATERS FROM LEAKING FUELS. LUBRIC HYDRAULIC FLUIDS OR OTHER TOXIC MATERIALS.
 - KEEPING EQUIPMENT OUT OF STREAMS BY OPERATING FROM THE BANI FASHION THAT MINIMIZES DISTURBANCE TO WOODY VEGETATION.
 - CLEANING AND CHECKING EQUIPMENT FOR LEAKS OF HYDRAULIC COOLING SYSTEM LIQUIDS, AND FUEL BEFORE FORDING ANY STREAM
 - RIVER.
- NOT USING FERTILIZERS AND PESTICIDES NEAR STREAMS OR WETLAND
- MAINTAINING AND OPERATING SEWER LINES ACROSS STREAMS AT ALL T WCP-9. TO PREVENT DISCHARGE TO LAND OR SURFACE WATERS.
- WCP-10. USING AERIAL CROSSINGS (ELEVATED SUFFICIENTLY TO REDUCE THE RIS OF FLOOD DAMAGE) OR DIRECTIONAL BORING UNDER THE STREAM TO AV IMPACTS TO THE STREAM AT THE POINT OF CROSSING.

PERFORM THE WORK. FAILURE TO VISIT THE SITE AND FAMILIARIZE STREAMSIDE FORESTS PROVIDE TRAVEL CORRIDORS AND HABITAT FOR WILDLIFE A THEMSELVES WITH THE EXISTING CONDITIONS AND LIMITATIONS WILL IN NO PROTECT WATER QUALITY BY STABILIZING STREAM BANKS AND FILTERING STORM WAY RELIEVE THE CONTRACTOR FROM FURNISHING ANY MATERIALS OR RUNOFF. DEVELOPMENT IN THE FLOODPLAIN INCREASES THE POTENTIAL FOR FLOO HYDROLOGICAL PROCESSES. FLOODPLAIN FILL ALTERS THE VOLUME OF WATER TH FLOODPLAIN WILL HOLD, THUS ALTERING THE EXTENT OF THE FLOODPLAIN. THIS W (1) LEAD TO A FLOODPLAIN THAT CONTAINS PROPERTY AND FACILITIES PREVIOUSLY IN THE FLOODPLAIN, (2) CAUSE FLOODING IN NEW AREAS, AND (3) HAVE NEGATIVE IMPACTS ON FISH AND WILDLIFE RESOURCES. IN ORDER TO PROTECT THESE IMPOR AND SENSITIVE STREAM-SIDE AREAS, THEREFORE:

- WCP-11. CONTRACTOR SHALL LIMIT ACTIVITIES IN THE FLOODPLAIN TO ABSOLUTELY NECESSARY FOR CONSTRUCTION.
- WCP-12. CONTRACTOR SHALL MAINTAIN RIPARIAN VEGETATION TO THE MA EXTENT POSSIBLE, ESPECIALLY LARGE TREES.
- WCP-13. IF RIPARIAN AREAS ARE DISTURBED, CONTRACTOR SHALL REVEGETATE AREAS WITH NATIVE SPECIES AS SOON AS POSSIBLE.
- WCP-14. CONTRACTOR SHALL LOCATE AREAS USED FOR BORROW OR CONSTRU BY-PRODUCTS AWAY FROM WETLANDS AND OUT OF THE 100-YEAR FLOO PLAIN.
- WCP-15. CONTRACTOR SHALL MAINTAIN FORESTED WETLAND / STREAM BUFFERS (A MINIMUM OF 100 FEET WIDE ON PERENNIAL STREAMS AND 50 FEET WI ON INTERMITTENT STREAMS; 200 AND 100 FEET, RESPECTIVELY, IN WATERSHEDS THAT ARE HOME TO FEDERALLY THREATENED OR ENDANC AQUATIC SPECIES) THROUGHOUT THE PROJECT AREA.

CONSTRUCTION NOTES:

STAGED CONSTRUCTION:

	<u>CON</u>	ISTRUCTIO	<u>ON NOTES</u>	<u>S:</u>		<u>STAG</u>	ED C	<u>O</u>
AIN, OR IS	SUBGRAD SGD-1.	E PREPARATION SUBGRADE PREPARATI ENGINEER'S RECOMME		DRDANCE WITH Main	eDOT	AL	ONTRACTOR L WORK.	SHA
OTHER	SGD-2.	ALL TOPSOIL, PAVEME SOILS, and/or NON-SU RECEIVING NEW CONS	JITABLE SOILS SHALL			IN IN RE	ONTRACTOR CLUDING MC CLUDING BU ESOURCE AR	DBILIZ IT NC REA, a
200 FEET UPLAND NT THE RICANTS,	SGD-3.	THE SUBGRADE BENEA WITH AT LEAST FOUR ROLLER IN DIRECTION SUBGRADES WHICH AR DURING ROLLING SHAL	COMPLETE PASSES (IS PERPENDICULAR T E SATURATED OR ARE (OF A 15-TON VIBRA O THE PREVIOUS OBSERVED TO PUMP	TORY DRUM PASS. SILTY	FE PART 2 - CUT ۰ CC	DNTRACTOR ENCE 10' DOV FING & GRUB DNTRACTOR	WNST B BING SHA
NKS IN A	SGD-4.	ANY UNSTABLE AREAS INCHES, OR TO COM COMPACTED STRUCTL DEPTH OF THE UNDER SELECTED WITH CONSI	IDENTIFIED SHOULD B IPETENT SOIL, AND IRAL FILL, CRUSHED S CUTTING AND TYPE O	E UNDERCUT AT LE REPLACED WITH A STONE, OR COMMC F BACKFILL MATERI	ACCEPTABLE, N FILL. THE AL SHALL BE	OF CC •	DT TO DAMA THE CLEAR DNTRACTOR ROPER DISPO ATE STREAM	RING SHA OSAL
IN THE	SGD-5.	FOOTING, ETC.) AND SO CONSTRUCTION. AGGREGATE FOR CRUS AND HAVE A MICRO-DEN BY AASHTO T 327. THE A REQUIREMENTS OF THI	DIL AND WEATHER CON SHED STONE ¾-INCH SH /AL VALUE OF 18.0 PER(AGGREGATE SHALL MEE E FOLLOWING TABLE:	DITIONS ENCOUNTE ALL BE OF QUARRIE CENT OR LESS AS DE ET THE GRADING	RED DURING D STONE	۲۵ ۱۳ ۱۳ ۲۵ ۲۵ ۲۵ ۲۵ ۲۵ ۲۵ ۲۵ ۲۵ ۲۵ ۲۵ ۲۵ ۲۵ ۲۵	ONTRACTOR REAM FROM NE FROM A P OWNSTREAM ONE. AVATION (CAVATION S IE PROJECT.	M CC PRE-E 1 LOC
TIMES RISK AVOID		SIEVE DESIGNATION 1 INCH 3/4 INCH 1/2 INCH	NDARD SPECIFICATION PERCENTAGE E PASSING SQUARE 100 90-10 20-55	BY WEIGHT MESH SIEVES		DE AN AF • CC	ESIGNATED I ND/OR ORGA REA FOR SCR DNTRACTOR REA.	MOB ANIC REEN SHA
AND IWATER OODING HE WILL: LY NOT ORTANT	BACKFILL BFC-1.	<u>SIEVE SIZE</u> 3" (75MM) 1/4" (6.3MM)	RINT, BEARING & STAB HE FOLLOWING GRADAT TANDARD SPECIFICATIO <u>% PAS</u> 100 25-7	ENGINEERING FI ILITY ZONES. STRU FION: ON 703.06, TYPE C <u>SING</u> O		• CC MI TH • DE EX • CC 25 SY	ONTRACTOR ETHODS. STA IE RESPONS EWATERING ((CAVATION, N ONTRACTOR 0 MICRONS (STEM. DISC OT TO DAMA(SHA ABILI IBILI OF TI MATE SHA IN E HAR GE O
THOSE	BFC-2.	NO. 40 (425mM) NO. 200 (75 mM) SUB-BASE COURSE FIL ROADWAY, PARKING, SUBBASE COURSE FILL	and/or ACCESS WAY	5 ENGINEERING FILLS BEARING & STABII	LITY ZONES.	ECL-1. AL	L DISTURBEI MEDIATELY TOPSO LIME: 1	D AR AFTE IL DE 130 L
E THOSE UCTION OOD		MDOT S <u>SIEVE SIZE</u> 3" (75MM) 1/2" (12.7MM) NO. 40 (425mM) NO. 200 (75 mM)	TANDARD SPECIFICATIO <u>% PAS</u> 100 20-7 0-3 0-7	<u>SING</u>) 70 0			12-12-1 SEED (I MULCH	NON 55% 40% 5%
RS WIDE NGERED	BFC-3.	BASE COURSE FILL SI ROADWAY, PARKING, a COURSE FILL SHALL CO MDOT S <u>SIEVE SIZE</u> 3" (75MM) 1/4" (6.3MM) 1/2" (12.7MM) NO. 40 (425mM) NO. 200 (75 mM)	nd/or ACCESS WAY BEA	RING & STABILITY Z WING GRADATION: ON 703.06, TYPE A <u>SING</u> 0 55 70 0				
	BFC-4.	COMMON FILL SHALL ROADWAY, PARKING, COMMON FILL SHALL CO <u>SIEVE SIZE</u> 3" (75MM) NO. 40 (425mM) NO. 200 (75 mM)	and/or ACCESS WAY	BEARING & STABII DWING GRADATION: <u>SING</u> 30				
	BFC-5.		VEGETABLE MATTER, L OTHER DELETERIOUS SING A 3 INCH SIEVE SH	UMPS OR BALLS OF SUBSTANCES. THE C ALL MEET THE GRAC 703.19	CLAY, GRADATION DATION BANKMENT			
	BFC-6.	ALL GRANULAR FILLS S AND COMPACTED TO A DENSITY, AS DETERMIN FIELD DENSITY TESTING BELOW STRUCTURES; (MAXIMUM DRY DENSITY ACCEPTABLE. LIFT THIC COMPACTED USING HA	0-7.0 HALL BE PLACED IN 8 IN MINIMUM 95% OF THE M IED BY ASTM D 1557 (MC G (ASTM D 2922 or EQUIV COMPACTION TO A MINII IN NON-STRUCTURAL, KNESS SHALL BE A MA)	0-20.0 ICH MAXIMUM LOOSI IATERIAL'S MAXIMUM DDIFIED PROCTOR T /ALENT) IN PAVED AF MUM OF 90% OF THE LANDSCAPED AREA KIMUM 6 INCH LOOSI	A DRY EST) AND REAS or MATERIAL'S S IS			
	BFC-7.	WHERE SUBGRADE BEC COMPACT , CRUSHED S STRUCTURAL FILL. CRU GEOTEXTILE FILTER FA	TONE SHALL PLACED A SHED STONE, WHEN US	ND COMPACTED IN L SED, SHALL BE WRAI	IEU OF			
	BFC-8.	BEDDING PLACED BELC AND MANUFACTURER F SUPPORTED DIRECTLY STRUCTURAL FILL, CRU MATERIAL. FILL PLACED EXCAVATIONS SHALL M	EQUIREMENTS. IN GEN ON A MINIMUM 6 INCH T ISHED STONE, or OTHEF AS BACKFILL FOR UTIL	ERAL, UTILITIES MA` HICK LAYER OF COM SUITABLE PIPE BEE ITY TRENCHES OR	Y BE IPACTED DDING			
	BFC-9.	MATERIALS USED AS ST and/or COMMON FILL SH IMPORTED TO THE SITE REPRESENTATIVE SAMI GRADATION CHARACTE TO ESTABLISH THEIR O DENSITIES (ASTM D 155 CONTENT OF THE MATE ALLOW FOR PROPER PI	ALL MEET THE REQUIR TO MEET THOSE REQU PLES SUBMITTED FOR T RISTICS TO THE PROJE PTIMUM WATER CONTE 7). USE OF FILLS ASSUM ERIAL(S) WILL BE STRICT	EMENTS ABOVE. MA IIREMENTS SHALL H, ESTING TO COMPAR CT SPECIFICATIONS NTS AND MAXIMUM I MES THAT THE MOIS FLY CONTROLLED IN	TERIALS AVE RE THEIR AS WELL AS DRY TURE			
	BFC-10.	RE-USE OF EXISTING S	OILS or NATIVE ON-SITE	BORROW SOILS IS F	PERMITTED			

BFC-10. RE-USE OF EXISTING SOILS or NATIVE ON-SITE BORROW SOILS IS PERMITTED SO LONG AS THOSE SOILS MEET THE GRADATION REQUIREMENTS IDENTIFIED ABOVE AND PROVIDED THAT THEY ARE FREE FROM DELETERIOUS MATERIALS AND CAN BE ADEQUATELY COMPACTED. SATURATED SILTY and/or CLAY SOILS ARE NOT ACCEPTABLE. REPRESENTATIVE SAMPLES OF RE-USE or NATIVE SOILS SHALL BE SUBMITTED FOR TESTING TO COMPARE THEIR GRADATION CHARACTERISTICS TO THE PROJECT SPECIFICATIONS AS WELL AS TO ESTABLISH THEIR OPTIMUM WATER CONTENTS AND MAXIMUM DRY DENSITIES (ASTM D 1557)

NATURAL RESOURCE AREAS HALL ESTABLISH LIMITS OF WORK NECESSARY TO COMPL

- HALL INSTALL SEDIMENTATION BARRIER FOR ALL WORK, ILIZATION. WITHIN 25' OF A PROTECTED RESOURCE AREA NOT LIMITED, A GREAT POND RESOURCE AREA, A STREAM
- and/or ANY WETLAND RESOURCE AREA. IALL INSTALL EROSION CONTROL INCLUDING FLOATING SI
- ISTREAM OF ALL LIMITS OF WORK ALONG STREAM.

ING ALONG ROAD SWALE & EQUIPMENT ACCESS AREAS. HALL REMOVE THE MINIMUM AMOUNT OF VEGETATION ALC UIPMENT ACCESS AREAS. SPECIAL CARE SHALL BE APP

- THE ROOT SYSTEMS OF LARGER TREES LOCATED OUT G ZONE HALL REMOVE ALL ORGANIC DEBRIS, INCLUDING STUMPS
- AL AREA
- ESOURCE AREA HALL INSTALL SAND BAG/SHEETING BARRIER TO ISOLATE CONSTRUCTION ZONE. CONTRACTOR SHALL CARRY BAR -DETERMINED UPSTREAM LOCATION TO A PRE-DETERMIN OCATION ALONG THE SHORELINE ON EITHER SIDE OF W

ALL BE LIMITED TO ONLY THOSE AREAS NEEDED TO COMPI LL STRUCTURALLY SUITABLE SOILS SHALL BE MOVED TO DBILIZATION AREA FOR REUSE AS FILL. ALL NON-SUIT C SOILS SHALL BE MOVED TO DESIGNATED MOBILIZA ENING AND REUSE AS TOPSOIL

HALL EXCAVATE EXISTING MATERIALS FROM SCOPE OF WO

& DEWATERING

- HALL BE RESPONSIBLE FOR ALL CONSTRUCTION MEANS & ILIZATION AND SHORING OF THE EXCAVATION AREAS SHAL LITY OF THE CONTRACTOR
- THE EXCAVATION SHALL BE MAINTAINED THROUGHOUT TH TERIAL PLACEMENT AND CURING PROCESS. HALL SEPARATE SEDIMENT AND SUSPENDED SOLIDS UP T DIAMETER FROM DISCHARGE WATER THROUGH FILTER RGE WATER SHALL BE RELEASED BELOW WORK AREA S

or SCOUR NEW WORK. **ONTROL:**

AREAS SHALL BE LOAMED AND SEEDED AND MULCHED TER WORK PER THE FOLLOWING:

DEPTH: 4" 0 LBS. PER 1000 S.F. FERTILIZER: 12 LBS. PER 1000 S.F.

DN-LAWN AREAS): 1.25 LBS. PER 1000 S.F.

5% TALL FESCUE 0% CREEPING RED FESCUE 6 RED TOP MULCH: BALES PER 1000 S.F.

		ICRETE:
LETE	CON-1.	ALL CONCRETE WORK SHALL CONFORM TO THE LATEST ADOPTED EDITION OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS AND THE MAINE DEPARTMENT OF TRANSPORTATION (MaineDOT). IN CASE OF CONFLICT, MaineDOT SHALL GOVERN.
N, M SILT	CON-2.	ALL CONCRETE SHALL BE CONTROLLED CONCRETE, MIXED AND PLACED UNDER THE SUPERVISION OF AN APPROVED CONCRETE TESTING AGENCY.
	CON-3.	FOR LOCATIONS LISTED BELOW, CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH (F'c) IN 28 DAYS OF 4350 PSI AND SHALL BE NORMAL WEIGHT CONCRETE WITH SAND GRAVEL AGGREGATE AS FOLLOWS:
LONG PPLIED JTSIDE 6, TO A		STRUCTURAL WEARING SURFACECLASS LPBARRIERS, CURBS, SIDEWALKS, END POSTSCLASS LPSEALSCLASS SPRECASTCLASS PFILLFILLALL OTHERCLASS A
RRIER INED WORK	CON-4.	ALL CONCRETE EXPOSED TO THE WEATHER OR POSSIBLE FREEZE/THAW ACTION SHALL CONTAIN AN AIR ENTRAINMENT ADMIXTURE. AIR CONTENT TO BE 6% $\pm 1^{1}/_{2}$ %.
PLETE	CON-5.	GROUT UNDER COLUMN BASE PLATES AND UNDER OTHER BEARING PLATES SHALL BE NON-SHRINK, NONMETALLIC GROUT WITH A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI AT 3 DAYS.
TABLE	CON-6.	CONCRETE CAST ON SLOPED SURFACES SHALL BEGIN AT THE LOWEST ELEVATION AND CONTINUE MONOLITHICALLY TOWARD THE HIGHER ELEVATIONS UNTIL THE INTENDED POUR IS COMPLETED.
VORK	CON-7.	NO CONCRETE SHALL BE CAST BEFORE REVIEW AND APPROVAL OF THE REINFORCING AND EMBEDDED ITEMS HAVE BEEN OBTAINED FROM THE ARCHITECT, OR HIS DESIGNATED REPRESENTATIVE.
& ALL BE	CON-8.	ALL EXPOSED EDGES OF CONCRETE MEMBERS SHALL BE CHAMFERED $^{3}\!/_{4}$ " UNLESS SHOWN OTHERWISE ON ARCHITECTURAL DRAWINGS.
THE TO ERING SO AS	CON-9.	CONCRETE MUST REACH THE FOLLOWING PERCENTAGES OF ITS 28-DAYS COMPRESSIVE STRENGTH (F'C) BEFORE FORMS OR SHORES MAY BE REMOVED: FOOTINGS
	CON-10.	REFER TO SPECIFICATION DRAWINGS FOR CONCRETE FINISHES.
	CON-11.	THE PLACEMENT OF SLEEVES, OUTLET BOXES, BOX-OUTS, ANCHORS, ETC., FOR THE MECHANICAL, ELECTRICAL AND PLUMBING TRADES IS THE RESPONSIBILITY OF THE TRADE INVOLVED. HOWEVER, ANY BOX-OUTS NOT COVERED BY TYPICAL DETAILS IN THE STRUCTURAL DRAWINGS SHALL BE SUBMITTED FOR APPROVAL.

CON-12. AT SAWCUTTING OF EXISTING CONCRETE, EXCLUDING SLABS ON GRADE, NO OVERCUT AT CORNERS IS ALLOWED. ALL CORNERS SHALL HAVE A CORE HOLE OF SUFFICIENT DIAMETER MADE PRIOR TO CUTTING AT ADJACENT SIDES TO PREVENT CUT BEYOND THE REQUIRED DIMENSION.

REINFORCING:

ALL CONCRETE REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE REI-1. 60 EXCEPT WHERE NOTED. ALL REINFORCING BARS TO BE WELDED SHALL CONFORM TO ASTM A706. REINFORCING BARS MAY NOT BE WELDED WITHOUT PRIOR APPROVAL OF THE STRUCTURAL ENGINEER.

REI-2. ALL WELDED WIRE FABRIC (W.W.F.) SHALL CONFORM TO ASTM 185. (FY=65 KSI DETAILING OF CONCRETE REINFORCEMENT AND ACCESSORIES SHALL BE IN

REI-3. ACCORDANCE WITH THE AASHTO SPECIFICATION.

PROVIDE AND SCHEDULE WITH THE SHOP DRAWINGS, ALL NECESSARY REI-4. ACCESSORIES TO HOLD REINFORCING SECURELY IN POSITION. MINIMUM REQUIREMENTS SHALL BE: HIGH CHAIRS 4'-0" O.C. SLAB BOLSTERS... 4'-0" O.C.

SUPPORT BARS FOR HIGH CHAIRS NO. 5 ALL CONTINUOUS REINFORCEMENT SHALL HAVE A MINIMUM LAP AS REQUIRED

REI-5. FOR A CLASS A SPLICE. TABLE 7 - TENSION DEVELOPMENT AND LAP SPLICE LENGTHS FOR BARS IN WALLS,

SLABS AND FOOTINGS (ACI 25.4.2.3) f_C' = 3000 psi CONCRETE COVER | CONCRETE COVER | CONCRETE COVER

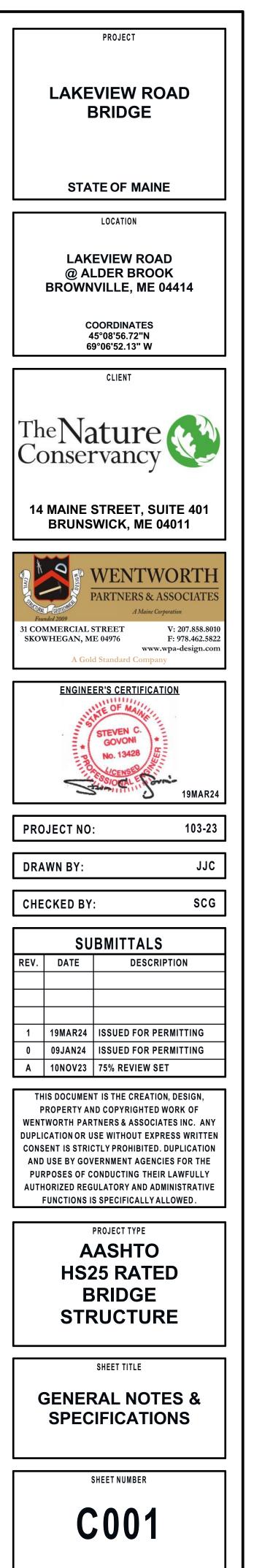
BAR SIZE	LAP CLASS	1.50) IN.	2.00) IN.	3.00) IN.
0.22		TOP	OTHER	TOP	OTHER	TOP	OTHER
#3	A	13	12	13	12	13	12
#3	В	17	13	17	13	17	13
#4	A	17	13	17	13	17	13
#4	В	23	17	23	17	23	17
#5	A	22	17	22	17	22	17
#5	В	28	22	28	22	28	22
#6	A	26	20	26	20	26	20
#6	В	34	26	34	26	34	26
47	A	43	33	38	29	38	29
#7	В	55	43	49	38	49	38
#0	A	54	41	43	33	43	33
#8	В	70	54	56	43	56	43
#9	A	66	51	53	41	48	37
#9	В	86	66	69	53	63	48
#10	А	81	62	66	51	55	42
#10	В	105	81	85	66	71	55
#44	A	97	74	79	61	61	47
#11	В	125	97	102	79	79	61

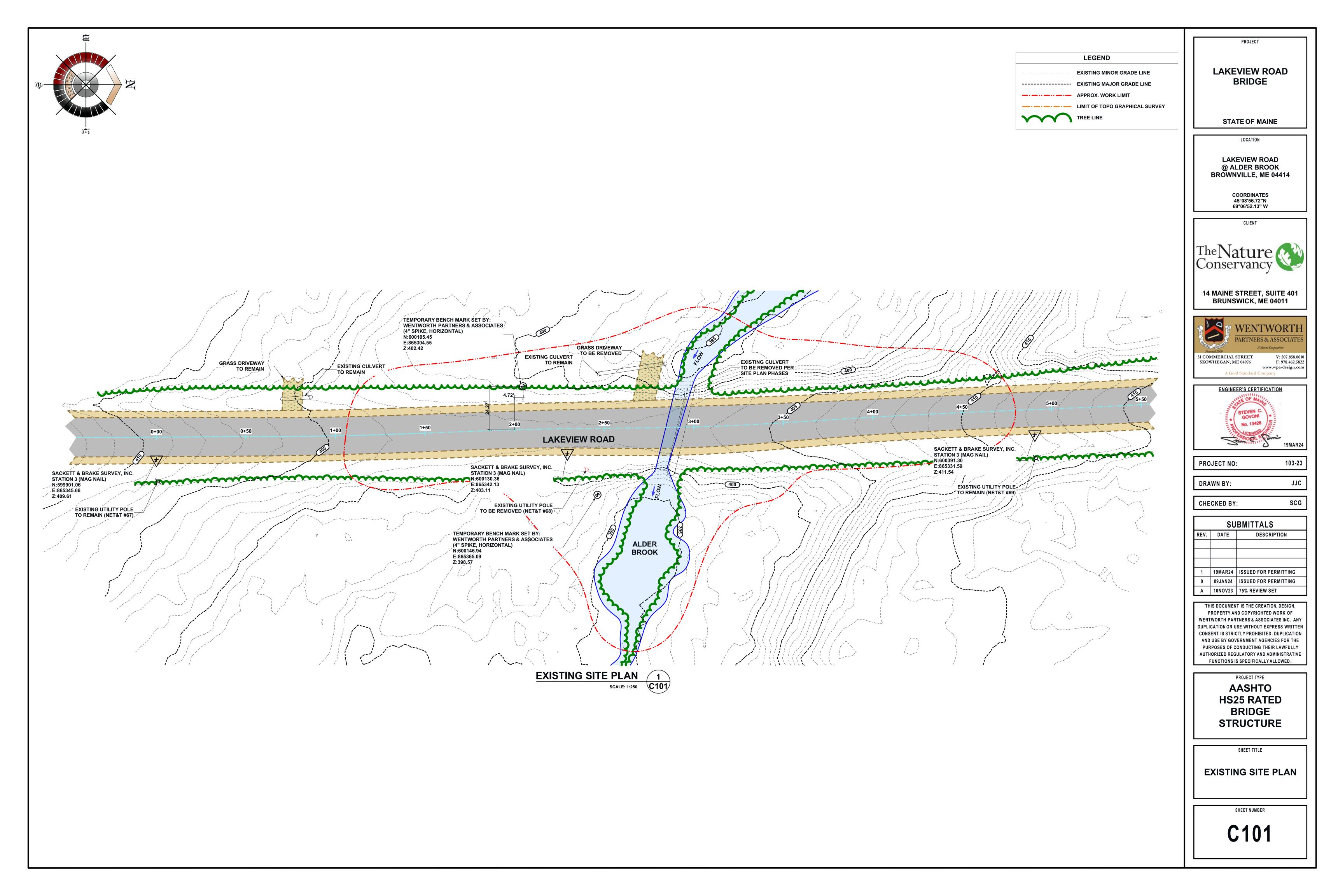
REI-6. ALL LAPS IN W.W.F. SHALL BE ONE MESH PLUS 2" AT SPLICES.

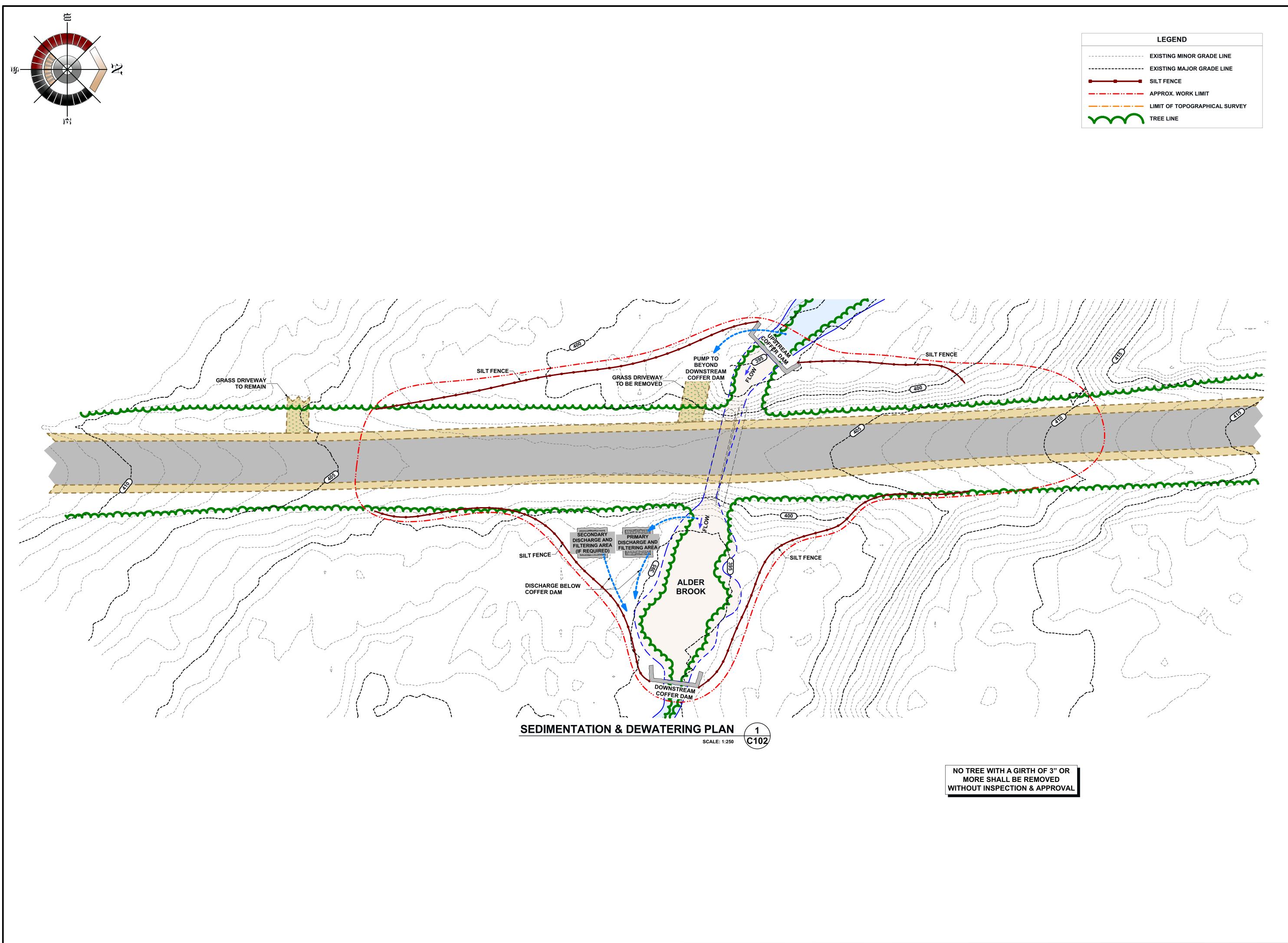
REI-7. CONCRETE PROTECTION FOR REINFORCEMENT SHALL BE PROVIDED PER TABLE 5.12.3-1, UNLESS NOTED OTHERWISE.

REI-8. ALL HOOKS SHOWN ON DRAWINGS SHALL BE STANDARD HOOKS UNLESS NOTED OTHERWISE.

REI-9. WHERE CONTINUOUS BARS ARE CALLED FOR, THEY SHALL RUN CONTINUOUSLY AROUND CORNERS AND BE LAPPED AT NECESSARY SPLICES, OR HOOKED AT DISCONTINUOUS ENDS. LAP LENGTHS SHALL BE AS GIVEN IN THE SPLICE AND DEVELOPMENT TABLE. LAP BEAM TOP BARS AT MID-SPAN AND BEAM BOTTOM BARS AT SUPPORTS, UNLESS OTHERWISE NOTED.

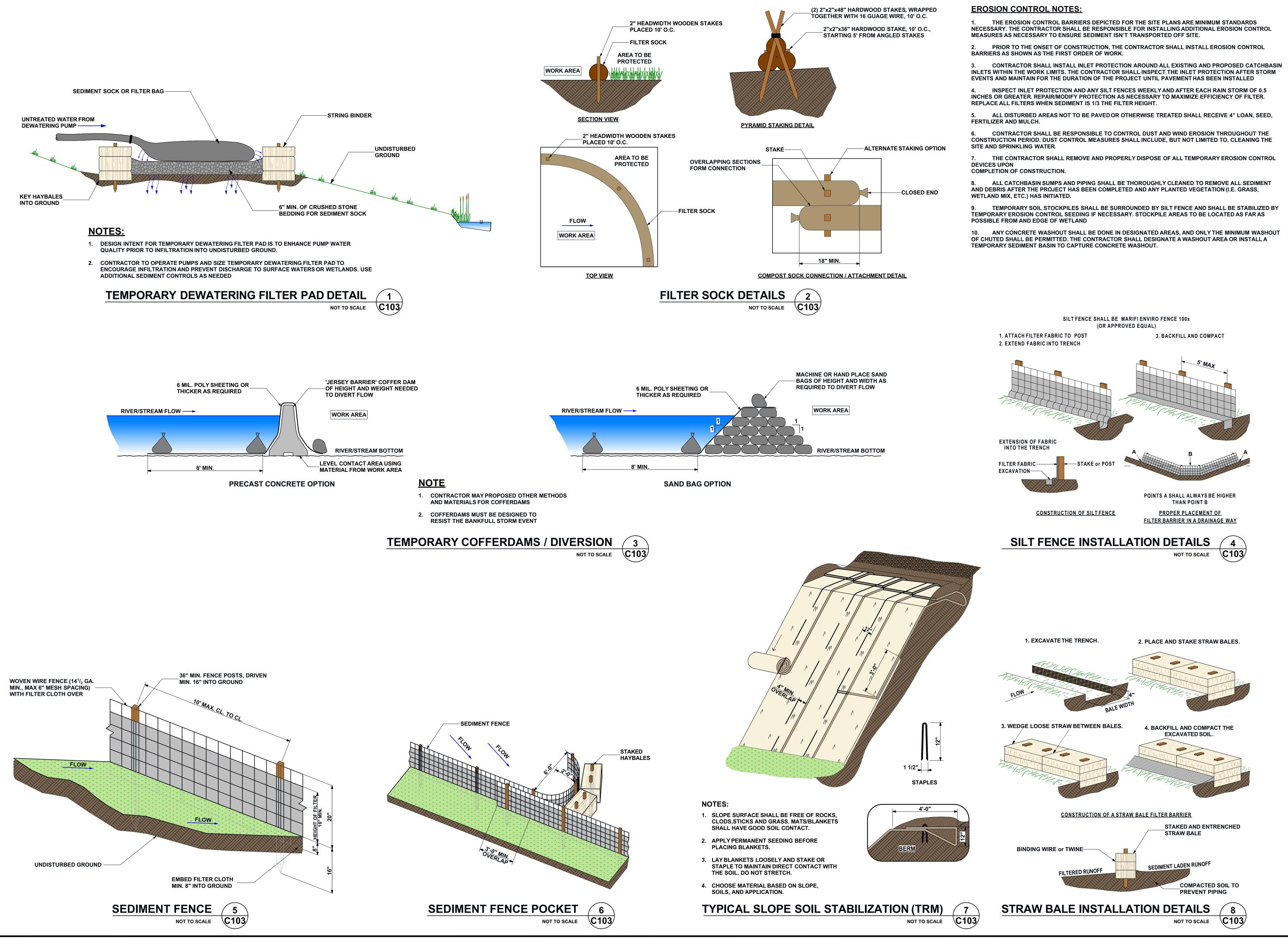




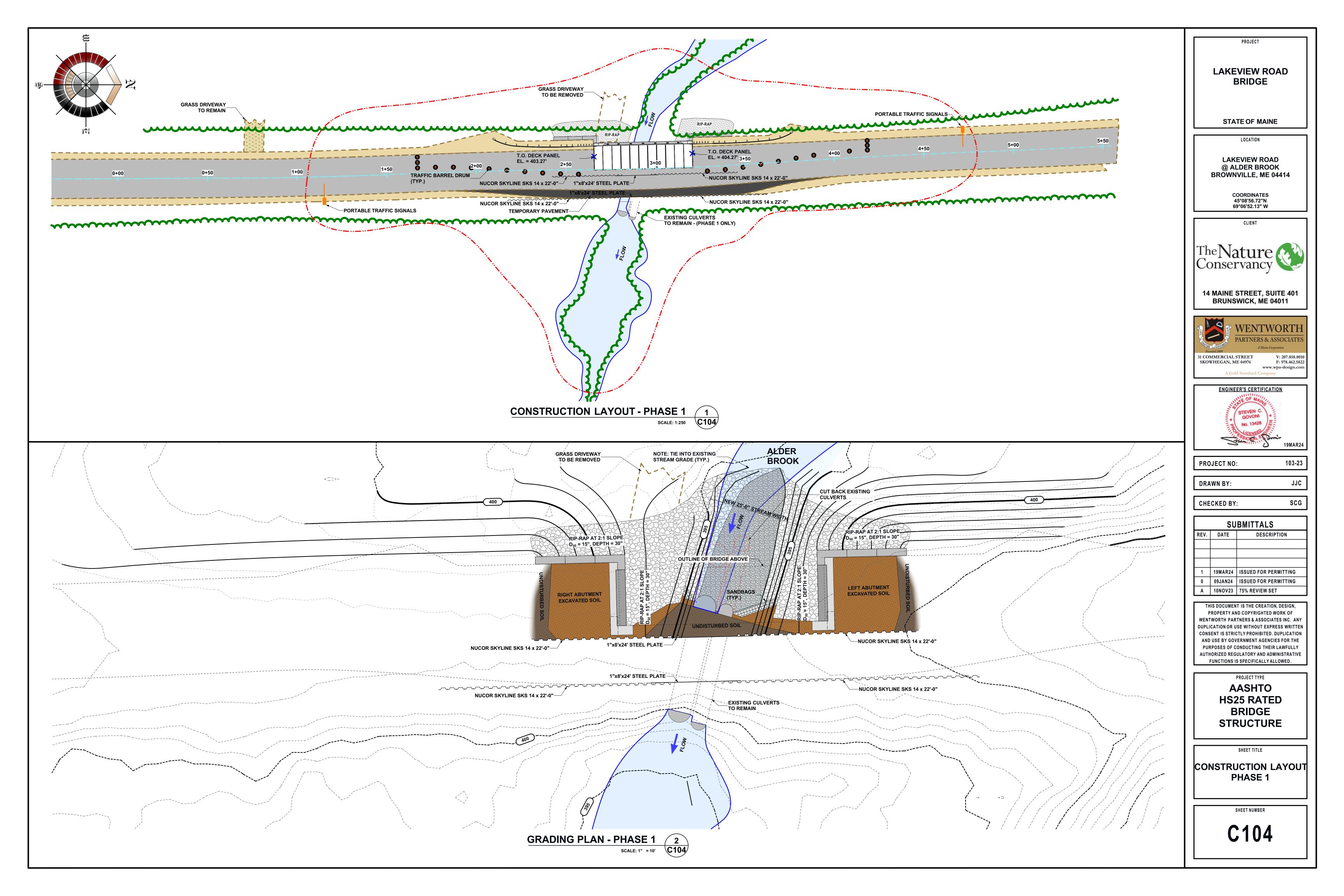


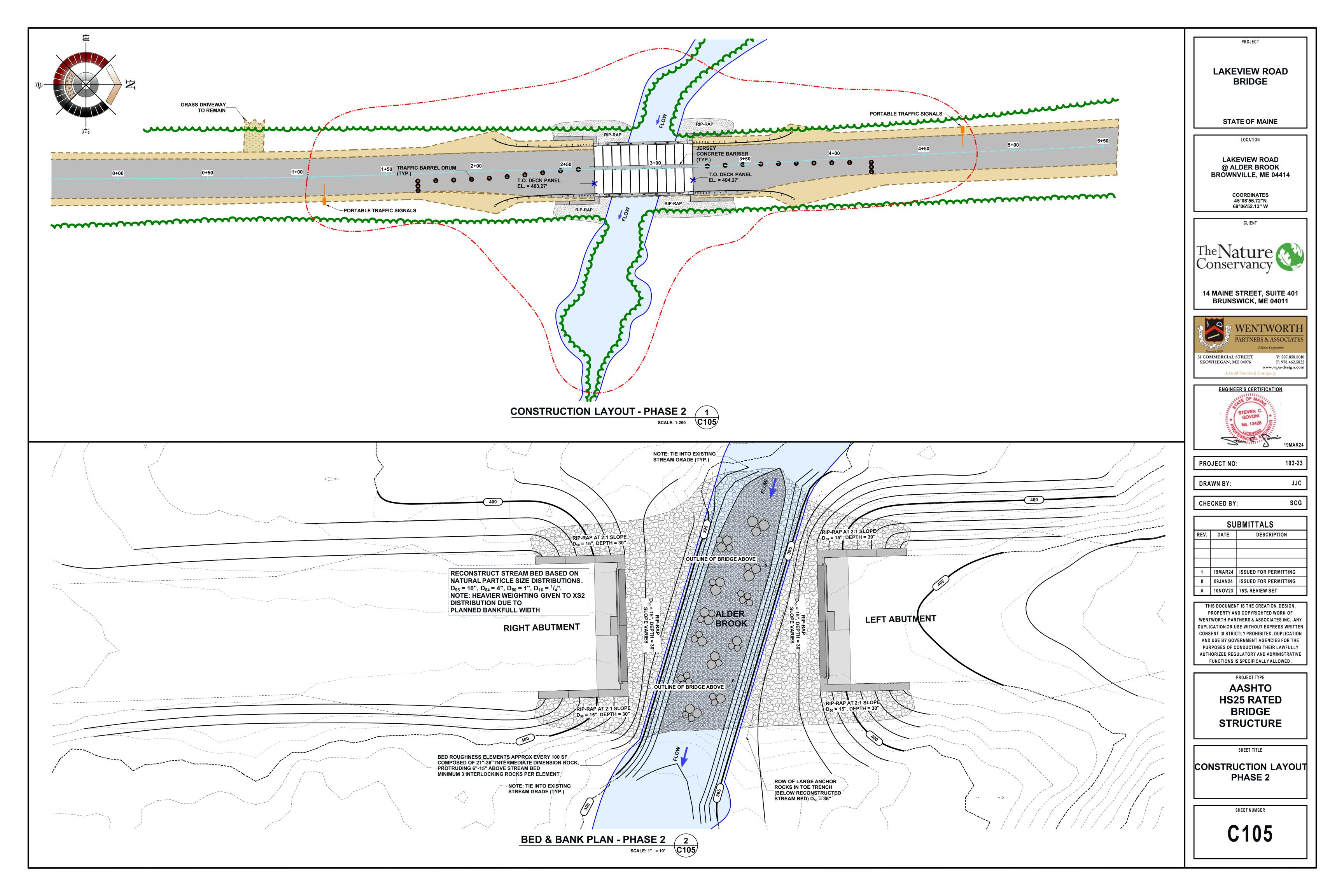
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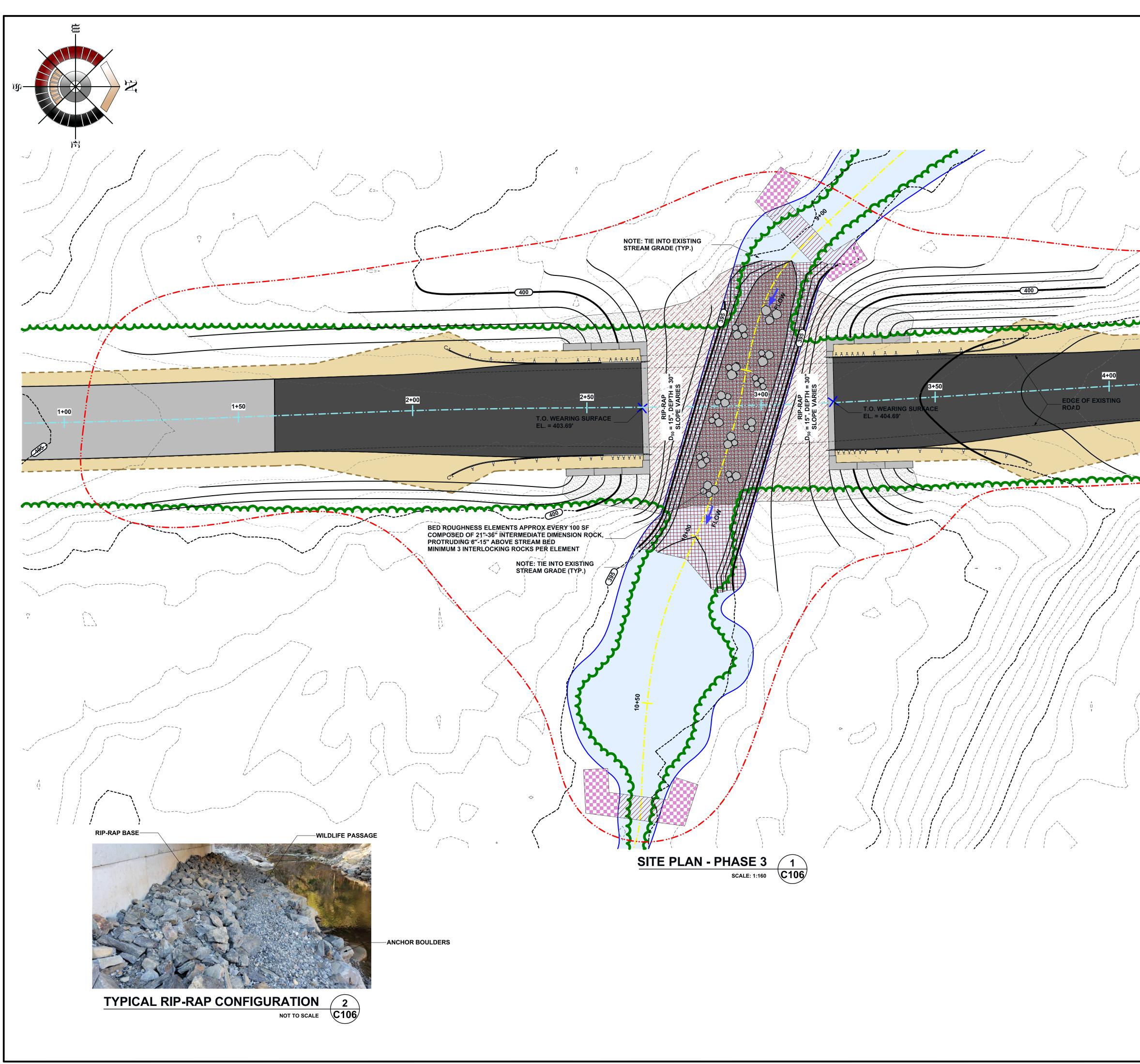
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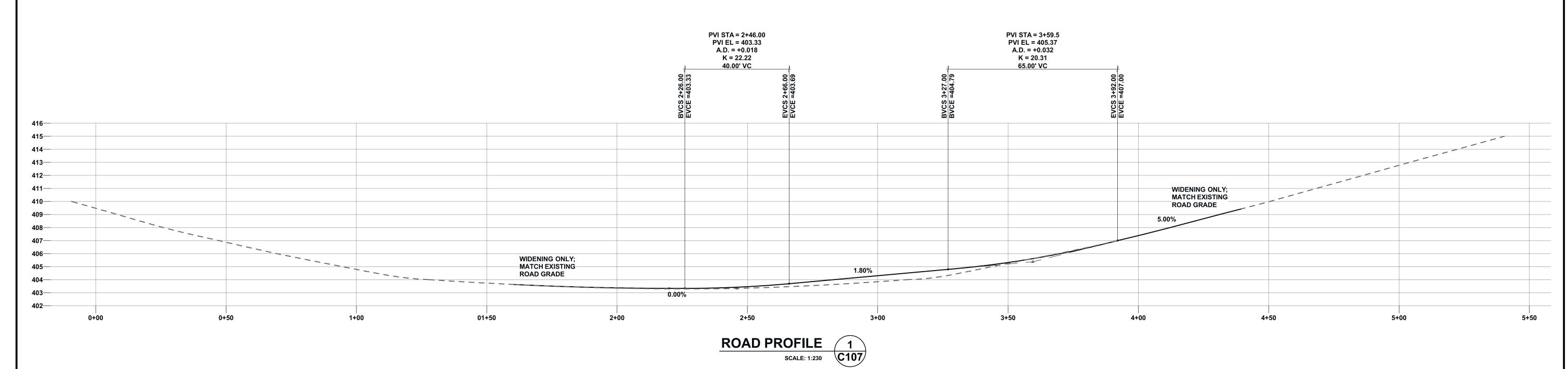






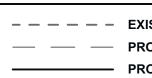
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		PROJECT
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	STA	TE OF MAINE
		LOCATION
	@ AI	EVIEW ROAD LDER BROOK IVILLE, ME 04414
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31 COI	mded 2009 MMERCIAL S WHEGAN, M	
	ENCINE	ER'S CERTIFICATION
	110 * Pager	STEVEN C. GOVONI No. 13428
PRO	JECT NO	: 103-23
	WN BY:	: 103-23 JJC
DRA		JJC
DRA	WN BY: CKED BY	JJC : SCG
DRA	WN BY: CKED BY	JJC
DRA	WN BY: CKED BY	JJC : SCG BMITTALS
DRA CHE REV.	WN BY: CKED BY SU DATE	JJC : SCG BMITTALS DESCRIPTION
DRA	WN BY: CKED BY	JJC SCG BMITTALS DESCRIPTION ISSUED FOR PERMITTING
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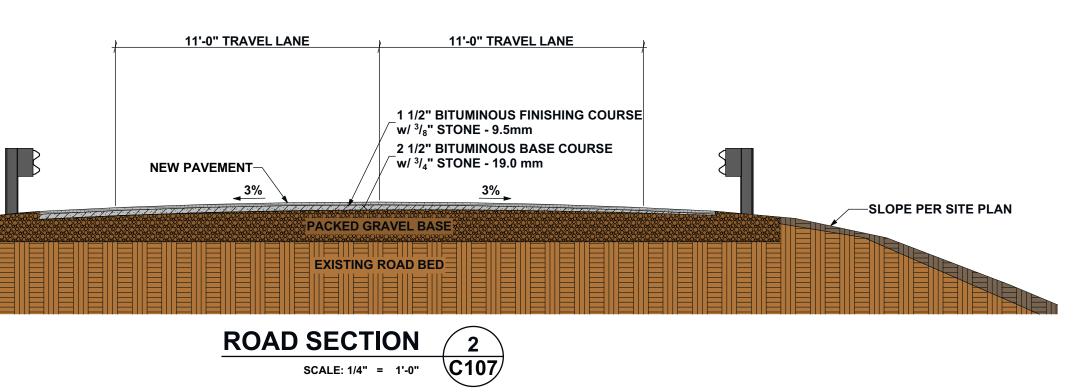


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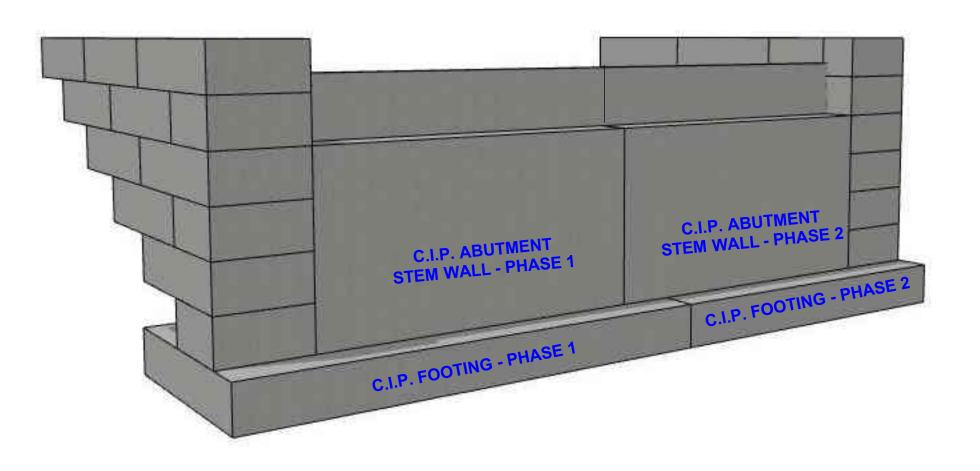


- - - - - EXISTING CENTERLINE ROAD GRADE ---- PROPOSED VC TANGENTS

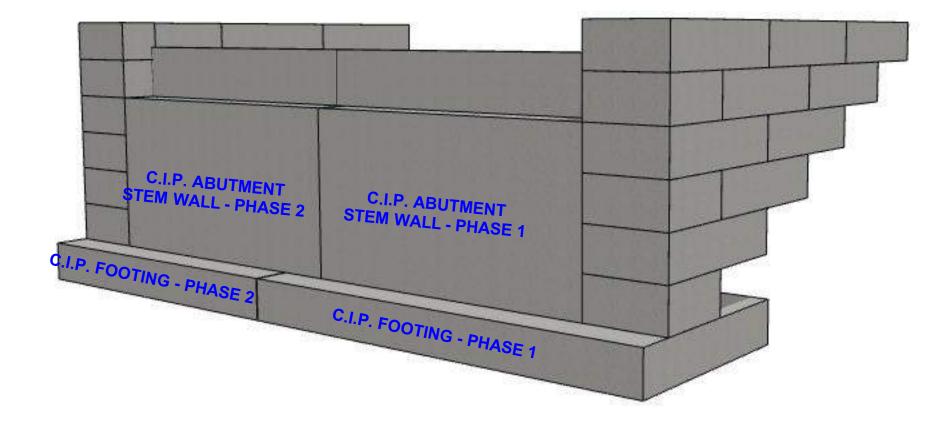
PROPOSED CENTERLINE ROAD GRADE



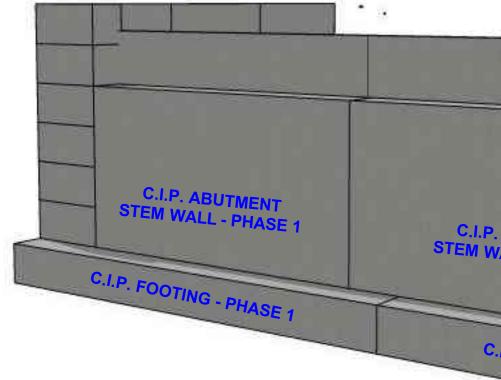
LAKEVIEW RO BRIDGE	AD
STATE OF MAINE	:
LOCATION	
LAKEVIEW ROAD @ ALDER BROOD BROWNVILLE, ME 04	<
COORDINATES 45°08'56.72"N 69°06'52.13" W	
CLIENT	
The Nature Conservancy	
14 MAINE STREET, SUI BRUNSWICK, ME 04	
SKOWHEGAN, ME 04976	SOCIATES
ENGINEER'S CERTIFICATION	<u>ON</u>
THE OF MAIN	
GOVONI No. 13428	
SSIOCAL E Corra	S-
	19MAR24
PROJECT NO:	103-23
DRAWN BY:	JJC
CHECKED BY:	SCG
SUBMITTALS	
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LEFT ABUTMENT (UPSTREAM VIEW)

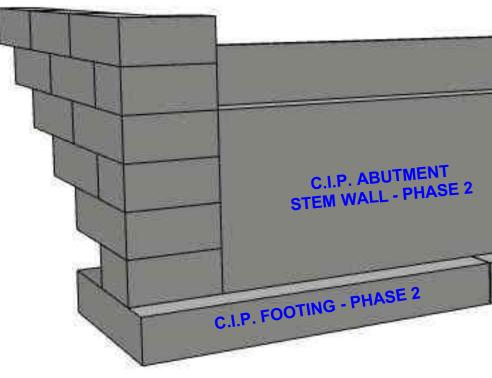


RIGHT ABUTMENT (UPSTREAM VIEW) 3 NOT TO SCALE C108

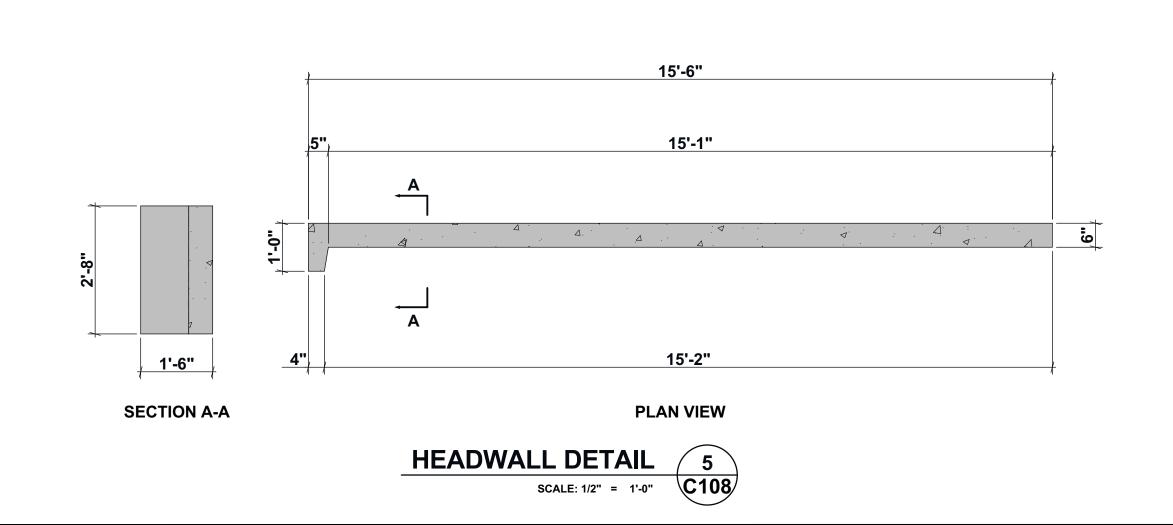




LEFT ABUTMENT (DOWNSTRE



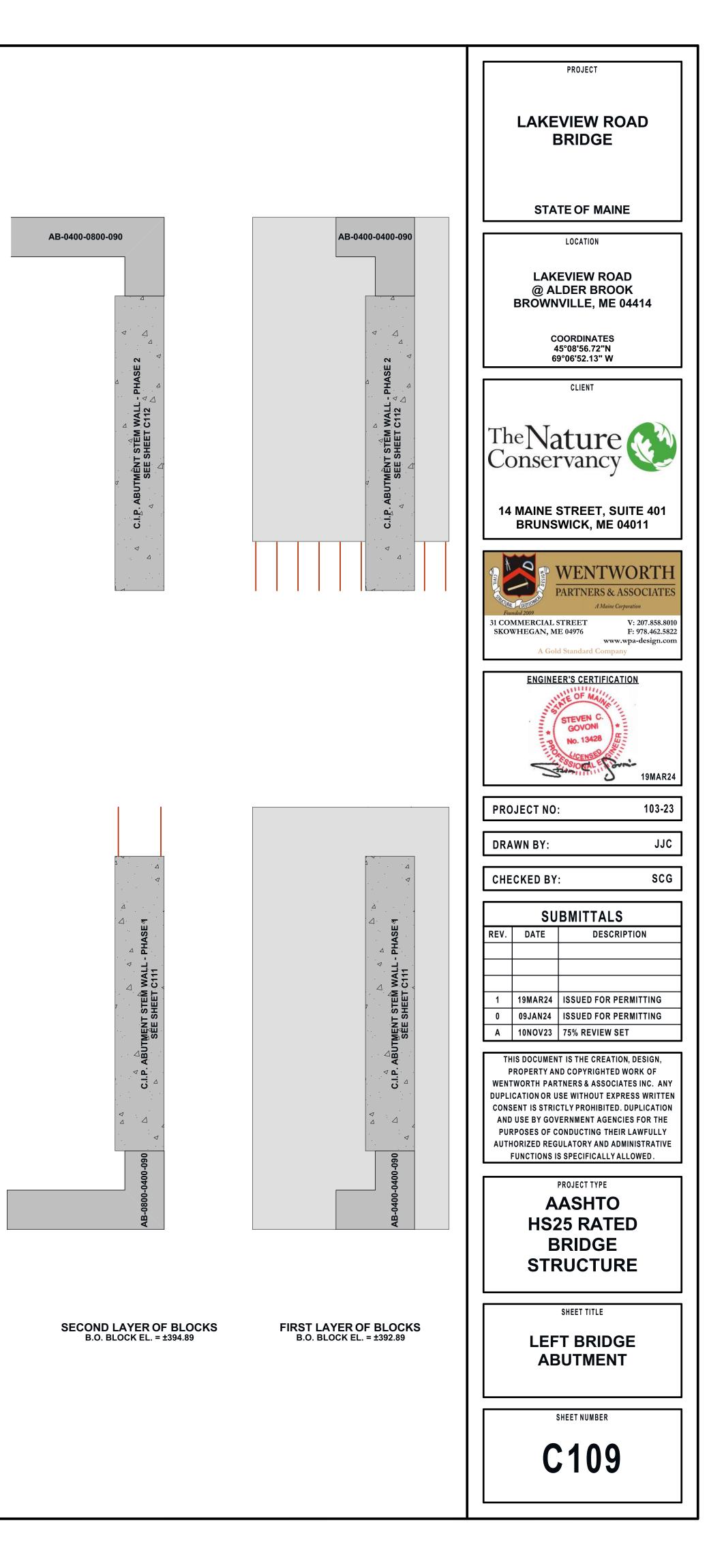
RIGHT ABUTMENT (DOWN

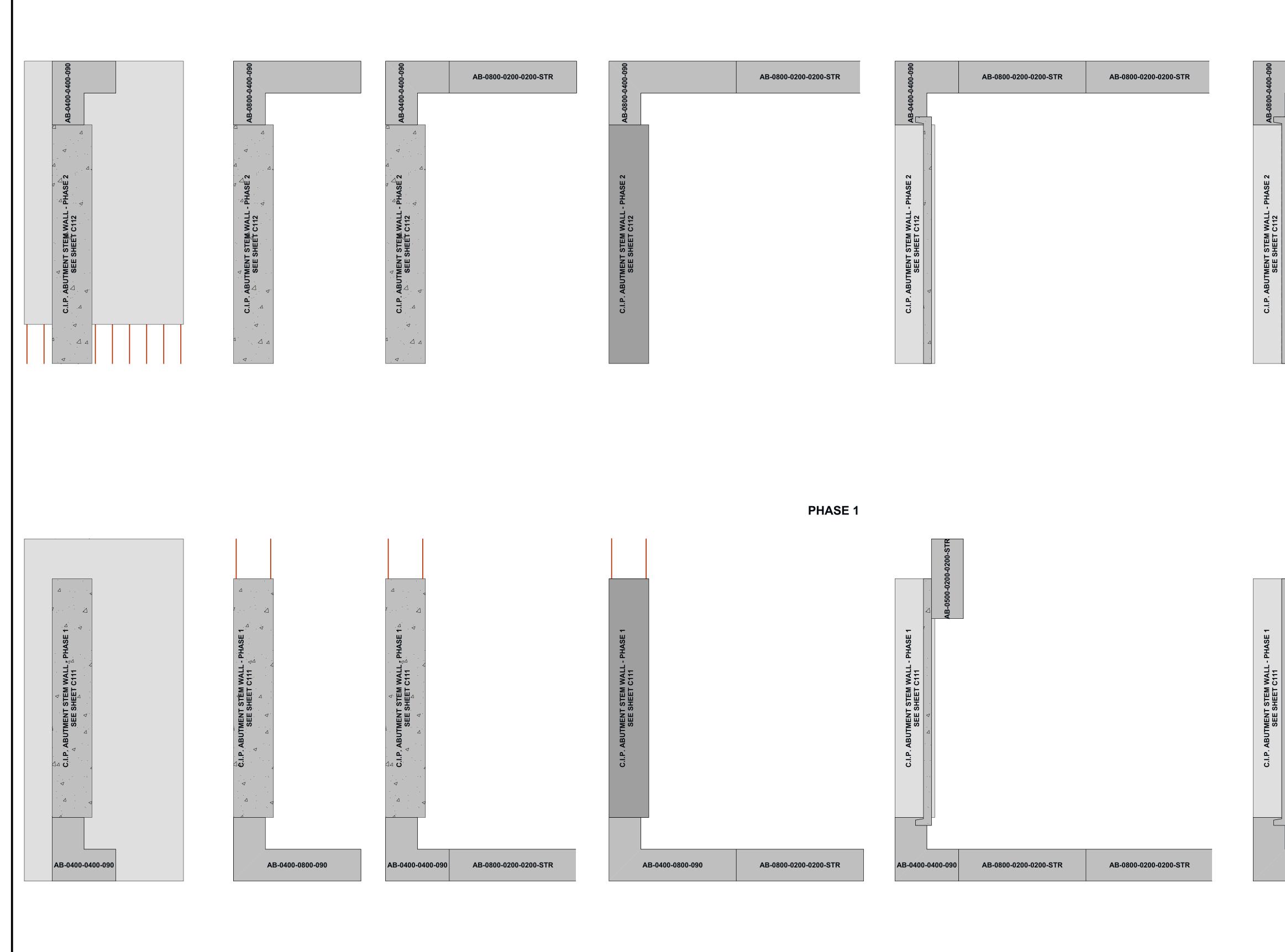


	PROJECT
	LAKEVIEW ROAD BRIDGE
	LOCATION
P. ABUTMENT WALL - PHASE 2	LAKEVIEW ROAD @ ALDER BROOK BROWNVILLE, ME 04414
THE PHASE 2	COORDINATES 45°08'56.72"N 69°06'52.13" W
C.I.P. FOOTING - PHASE 2	CLIENT
	The Nature
EAM VIEW) 2 NOT TO SCALE C108	14 MAINE STREET, SUITE 401 BRUNSWICK, ME 04011
	WENTWORTH DARTNERS & ASSOCIATES DARTNERS & ASSOCIATES Data Corporation Stowneedawn Stowneedawn
C.I.P. ABUTMENT	ENGINEER'S CERTIFICATION
C.I.P. ABOTMETO STEM WALL - PHASE 1	PROJECT NO: 103-23
THIG PHASE 1	DRAWN BY: JJC
C.I.P. FOOTING - PHASE 1	CHECKED BY: SCG
	SUBMITTALS
	REV. DATE DESCRIPTION
	1 19MAR24 ISSUED FOR PERMITTING
NSTREAM VIEW) 4	009JAN24ISSUED FOR PERMITTINGA10NOV2375% REVIEW SET
NOT TO SCALE C108	THIS DOCUMENT IS THE CREATION, DESIGN, PROPERTY AND COPYRIGHTED WORK OF WENTWORTH PARTNERS & ASSOCIATES INC. ANY DUPLICATION OR USE WITHOUT EXPRESS WRITTEN CONSENT IS STRICTLY PROHIBITED. DUPLICATION AND USE BY GOVERNMENT AGENCIES FOR THE PURPOSES OF CONDUCTING THEIR LAWFULLY AUTHORIZED REGULATORY AND ADMINISTRATIVE FUNCTIONS IS SPECIFICALLY ALLOWED.
	PROJECT TYPE AASHTO HS25 RATED BRIDGE STRUCTURE
	SHEET TITLE
	BRIDGE ABUTMENT PERSPECTIVES
	SHEET NUMBER
	C108
	J









FIRST LAYER OF BLOCKS B.O. BLOCK EL. = ±391.89

SECOND LAYER OF BLOCKS B.O. BLOCK EL. = ±393.89

THIRD LAYER OF BLOCKS B.O. BLOCK EL. = ±395.89

RIGHT BRIDGE ABUTMENT 1



FIFTH LAYER OF BLOCKS B.O. BLOCK EL. = ±399.89

FOURTH LAYER OF BLOCKS B.O. BLOCK EL. = ±397.89

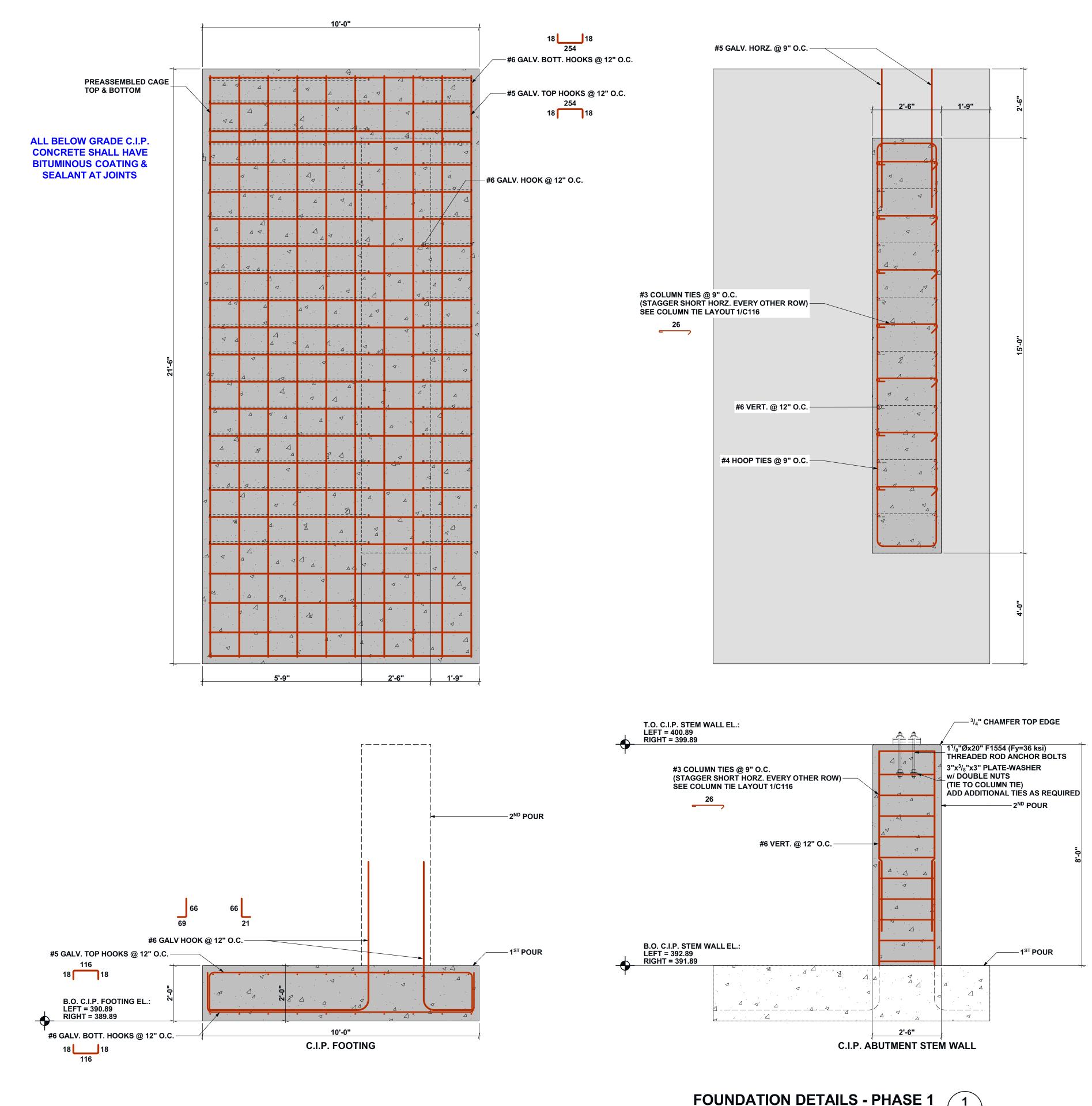
			PROJECT
			LAKEVIEW ROAD BRIDGE
	AB-0800-0200-0200-STR	AB-0800-0200-0200-STR	STATE OF MAINE
			LAKEVIEW ROAD @ ALDER BROOK BROWNVILLE, ME 04414
			COORDINATES 45°08'56.72"N 69°06'52.13" W
- 5/C111)			CLIENT
HEADWALL (SEE DETAIL 5/C111)			The Nature
H H			14 MAINE STREET, SUITE 401 BRUNSWICK, ME 04011
			WENTWORTH PARTNERS & ASSOCIATES Damine Corporation Standad 2009 Standad 2009
			ENGINEER'S CERTIFICATION OF MANAGEMENT STEVEN C GOVONI No. 13428 SOCIAL CONTRACTOR 19MAR24
			PROJECT NO: 103-23
			DRAWN BY: JJC
			CHECKED BY: SCG
			SUBMITTALS rev. date description
3111)			
HEADWALL (SEE DETAIL 5/C111)			119MAR24ISSUED FOR PERMITTING009JAN24ISSUED FOR PERMITTING
ALL (SEE			A 10NOV23 75% REVIEW SET THIS DOCUMENT IS THE CREATION, DESIGN,
HEADWA			PROPERTY AND COPYRIGHTED WORK OF WENTWORTH PARTNERS & ASSOCIATES INC. ANY DUPLICATION OR USE WITHOUT EXPRESS WRITTEN CONSENT IS STRICTLY PROHIBITED. DUPLICATION AND USE BY GOVERNMENT AGENCIES FOR THE PURPOSES OF CONDUCTING THEIR LAWFULLY AUTHORIZED REGULATORY AND ADMINISTRATIVE FUNCTIONS IS SPECIFICALLY ALLOWED.
AB-0400-0800-090	AB-0800-0200-0200-STR	AB-0800-0200-0200-STR	PROJECT TYPE AASHTO
			HS25 RATED BRIDGE STRUCTURE
TOP LAYER OF B.O. BLOCK EL.	BLOCKS = ±401.89		SHEET TITLE RIGHT BRIDGE ABUTMENT
			SHEET NUMBER
			C110

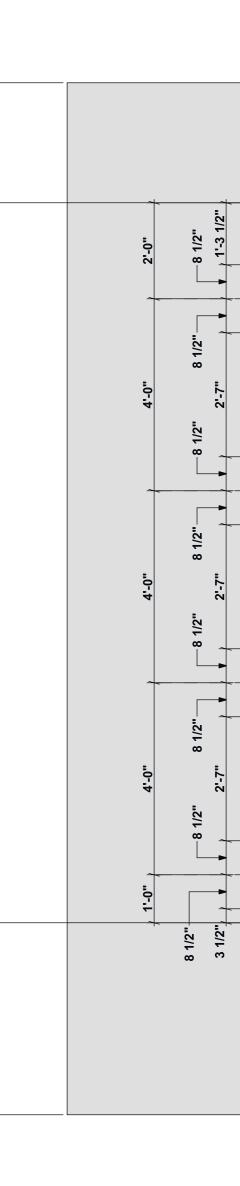
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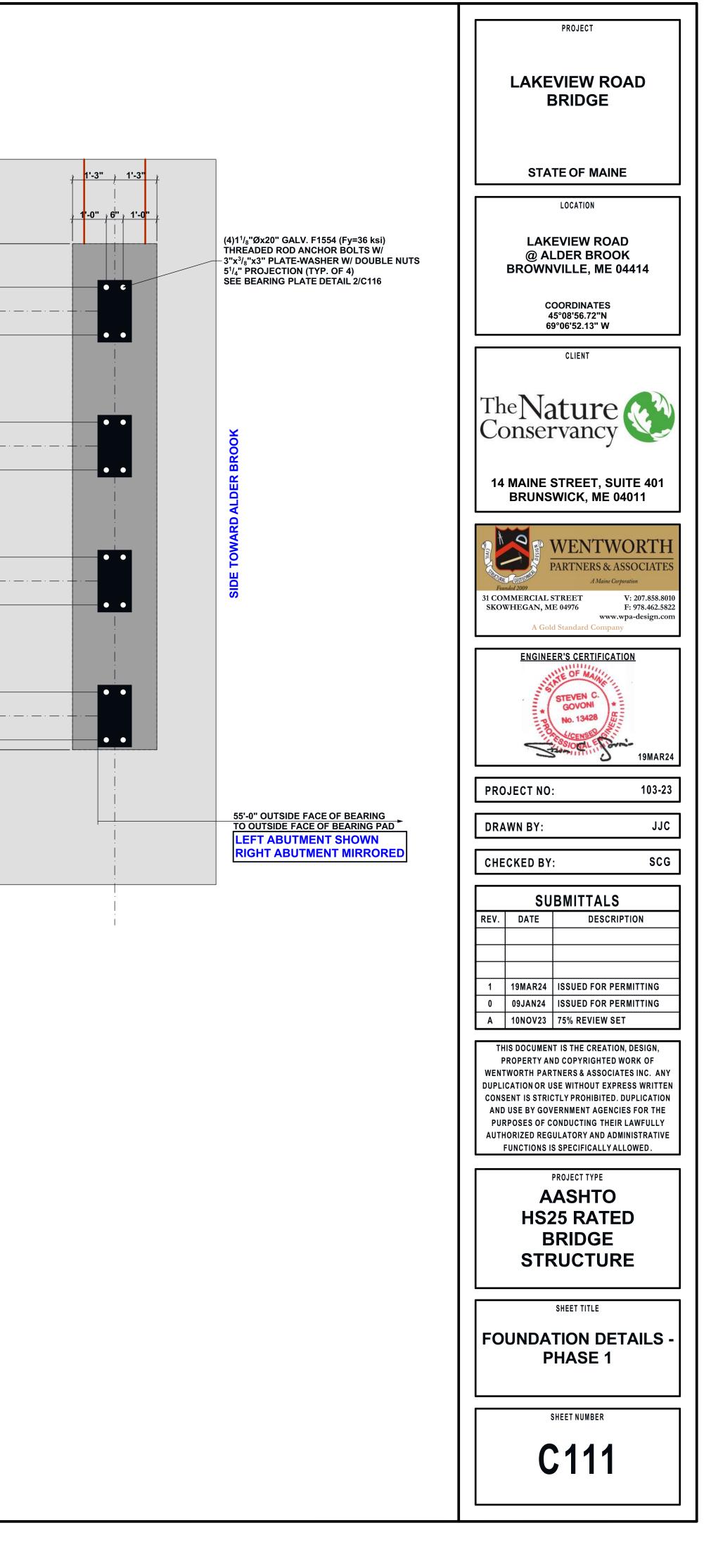
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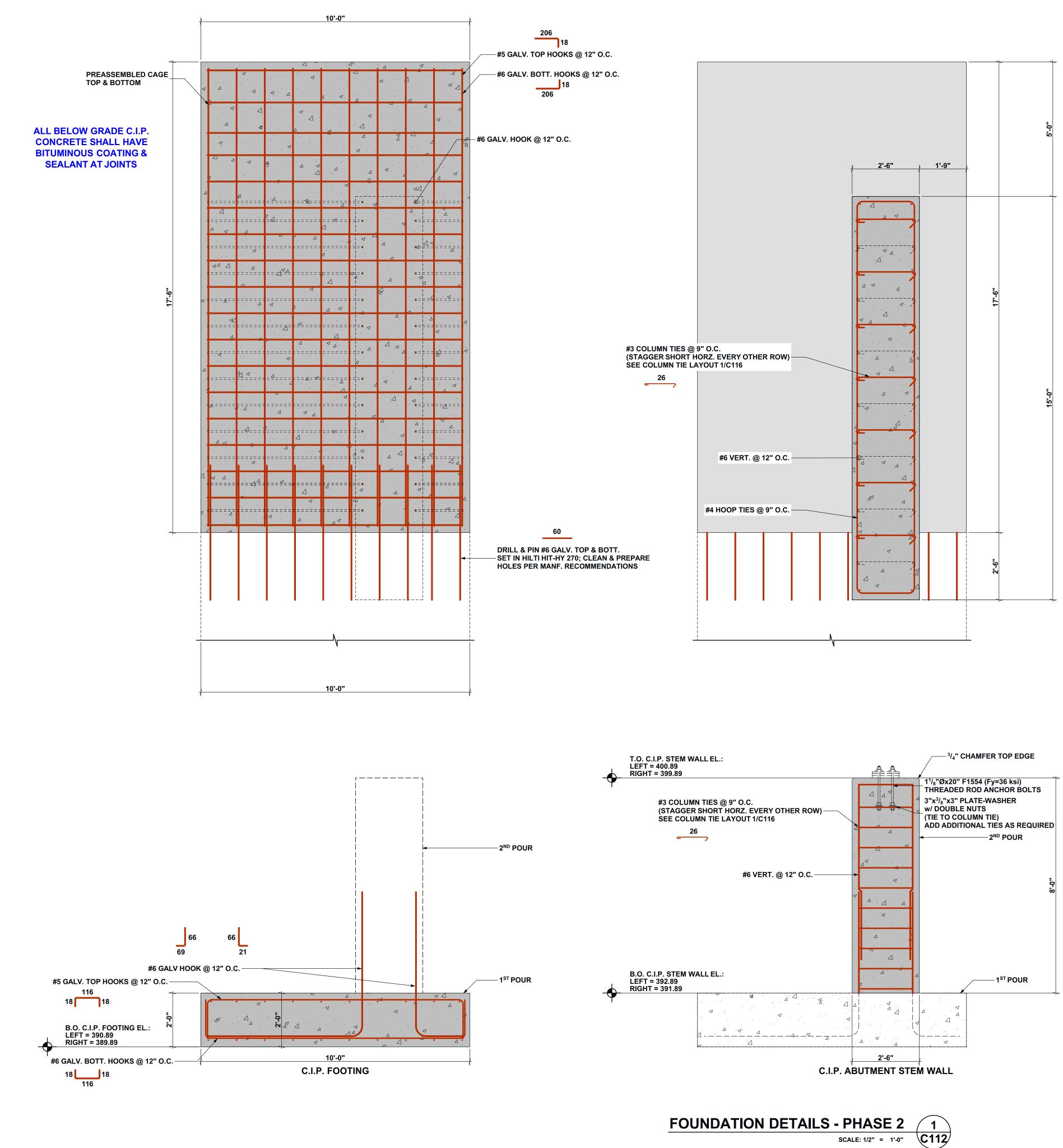
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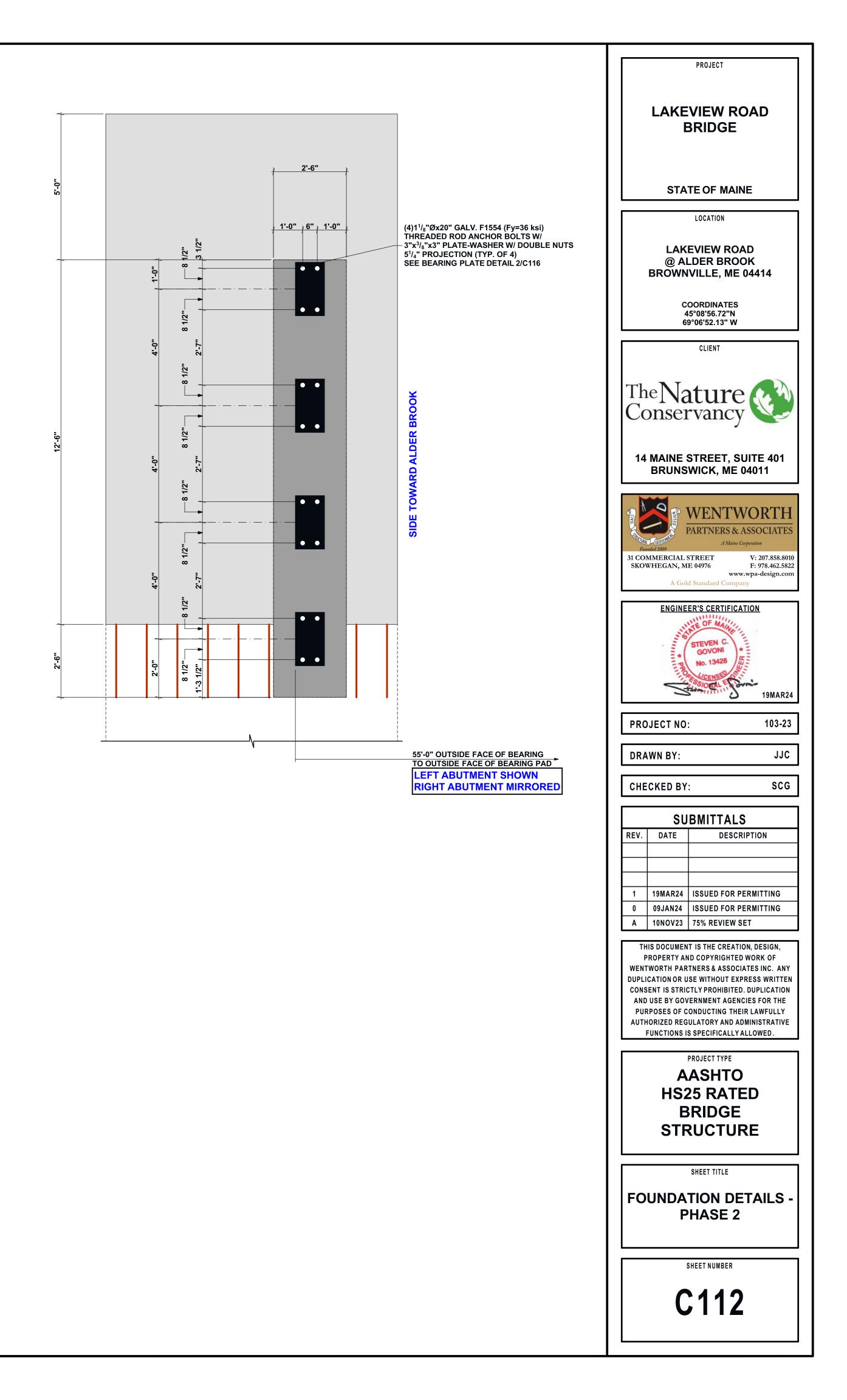


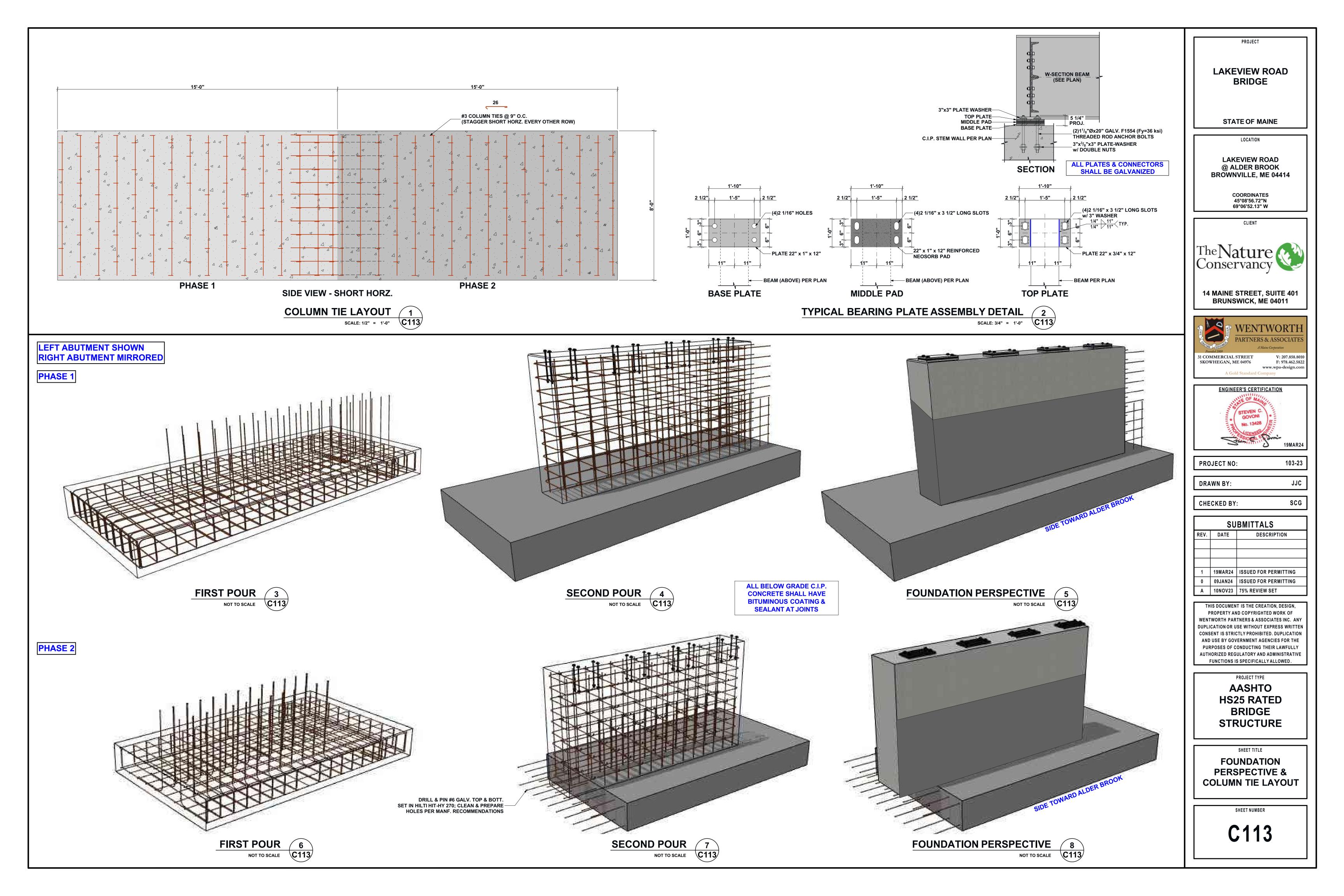


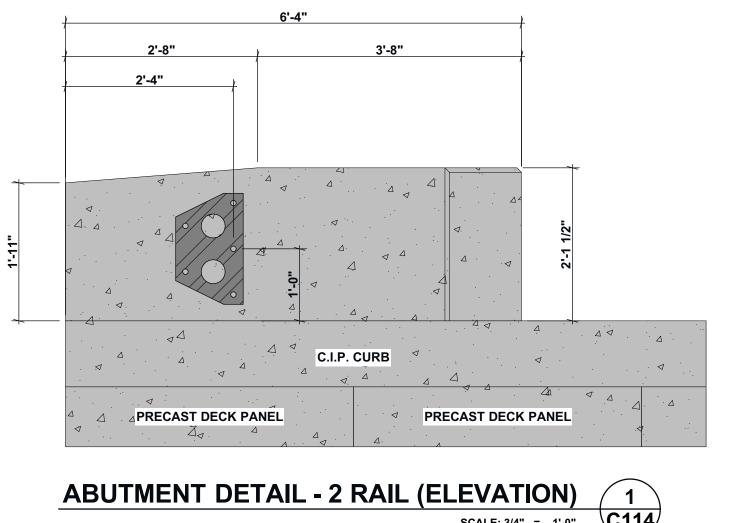
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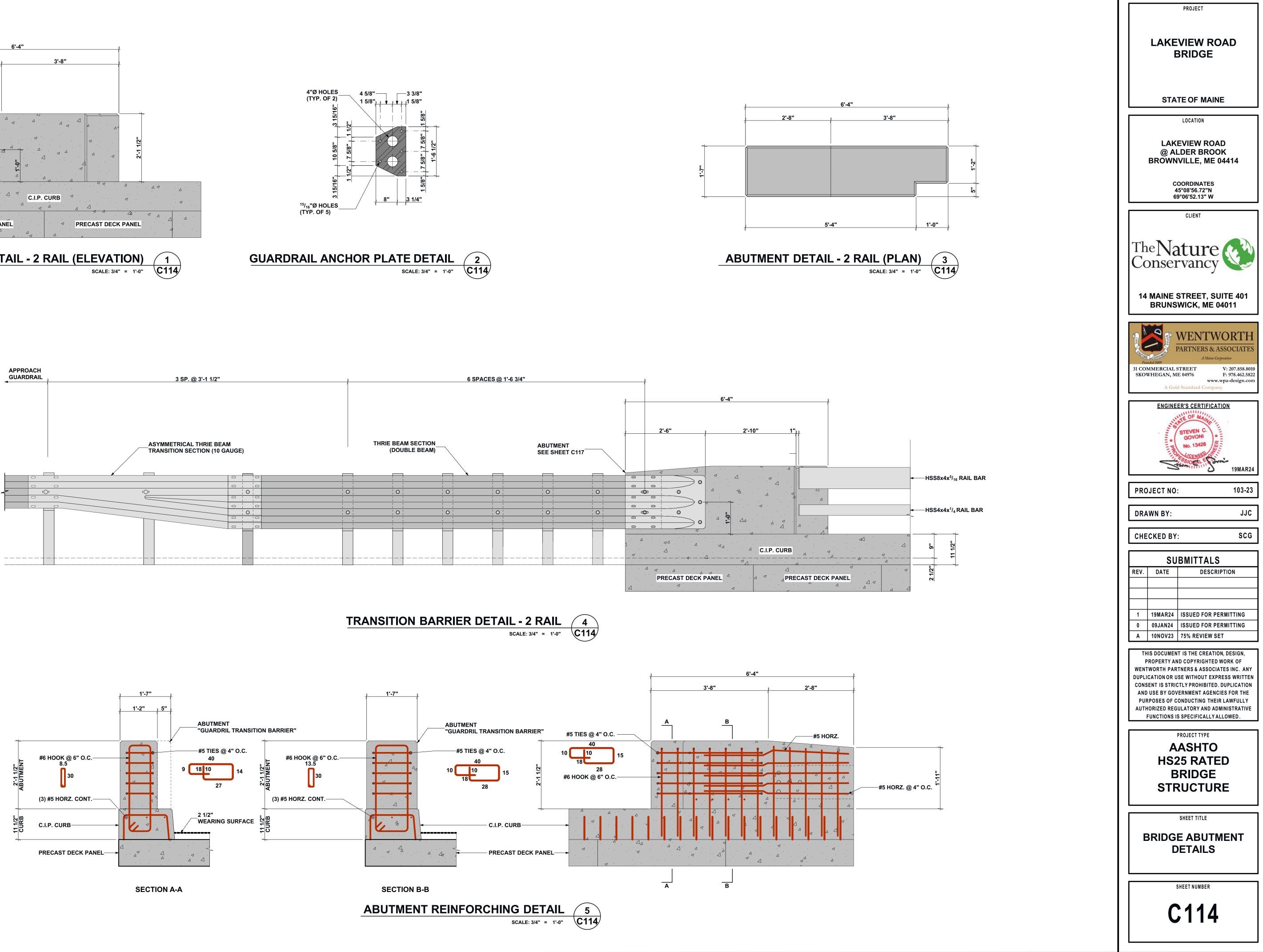


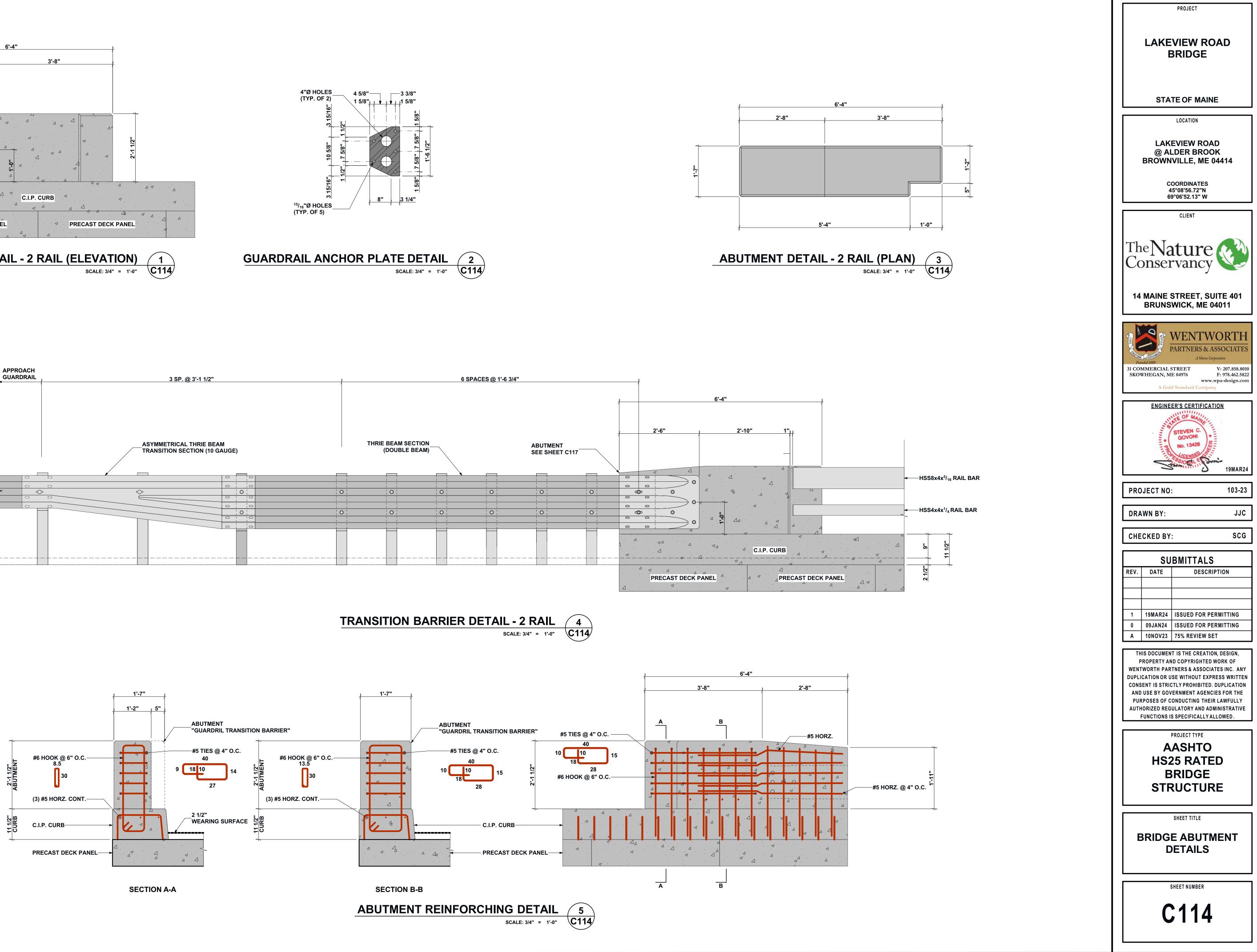


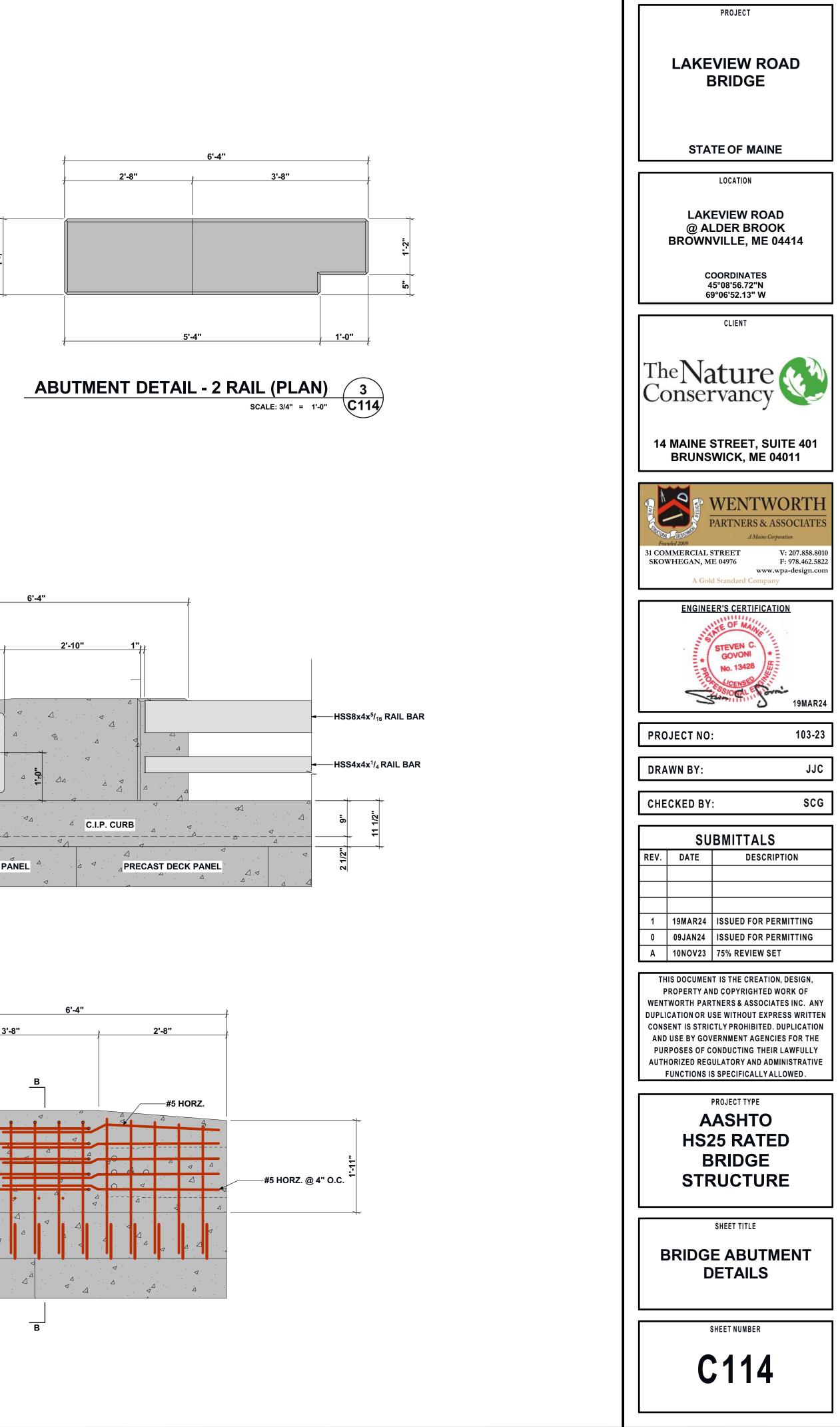


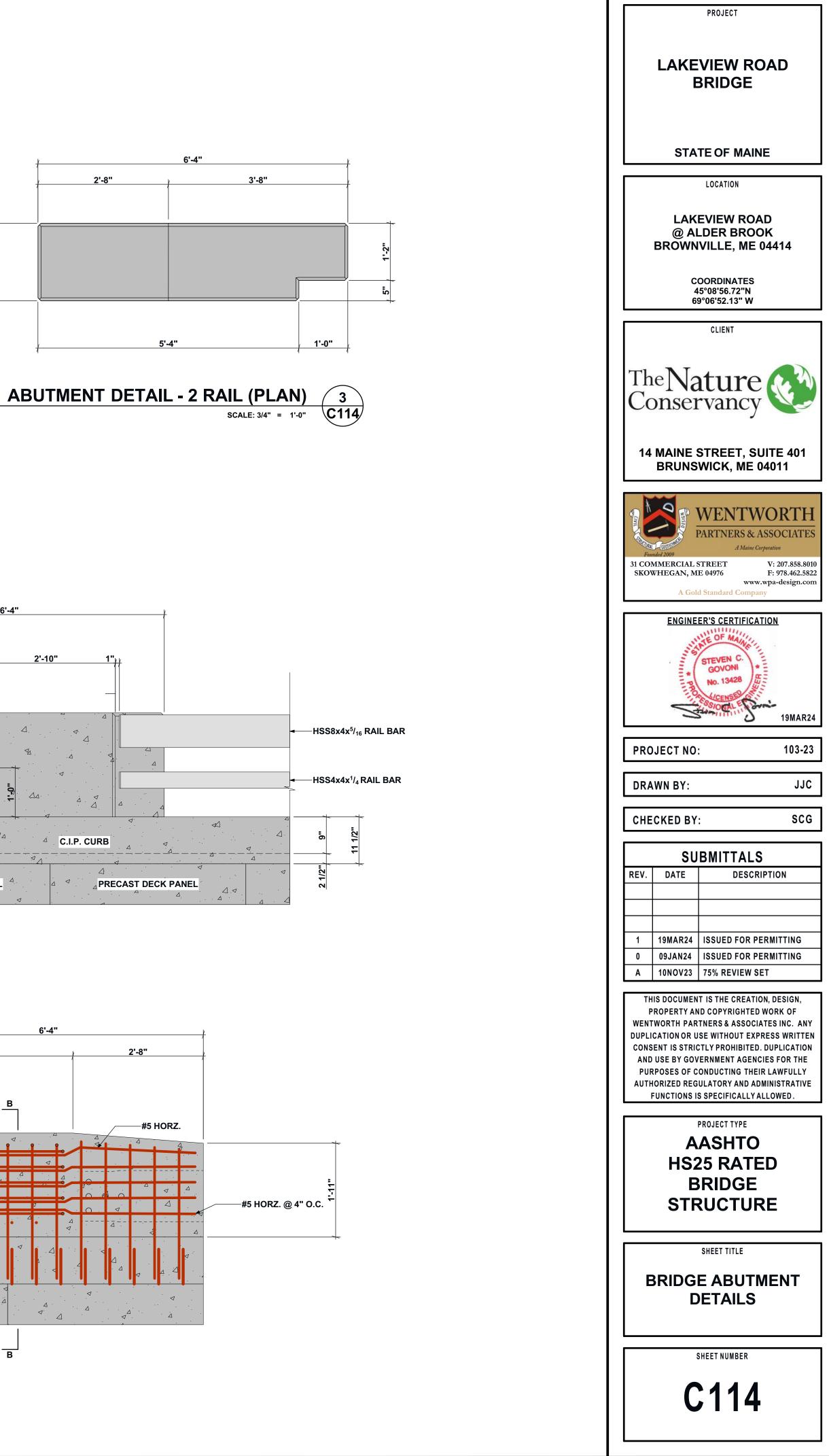


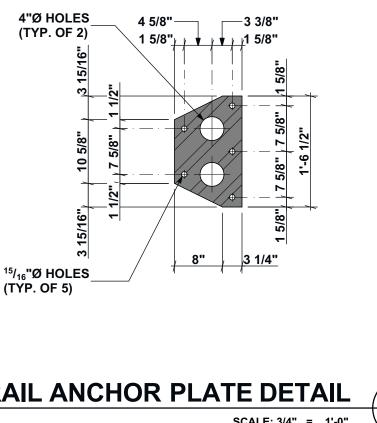




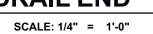


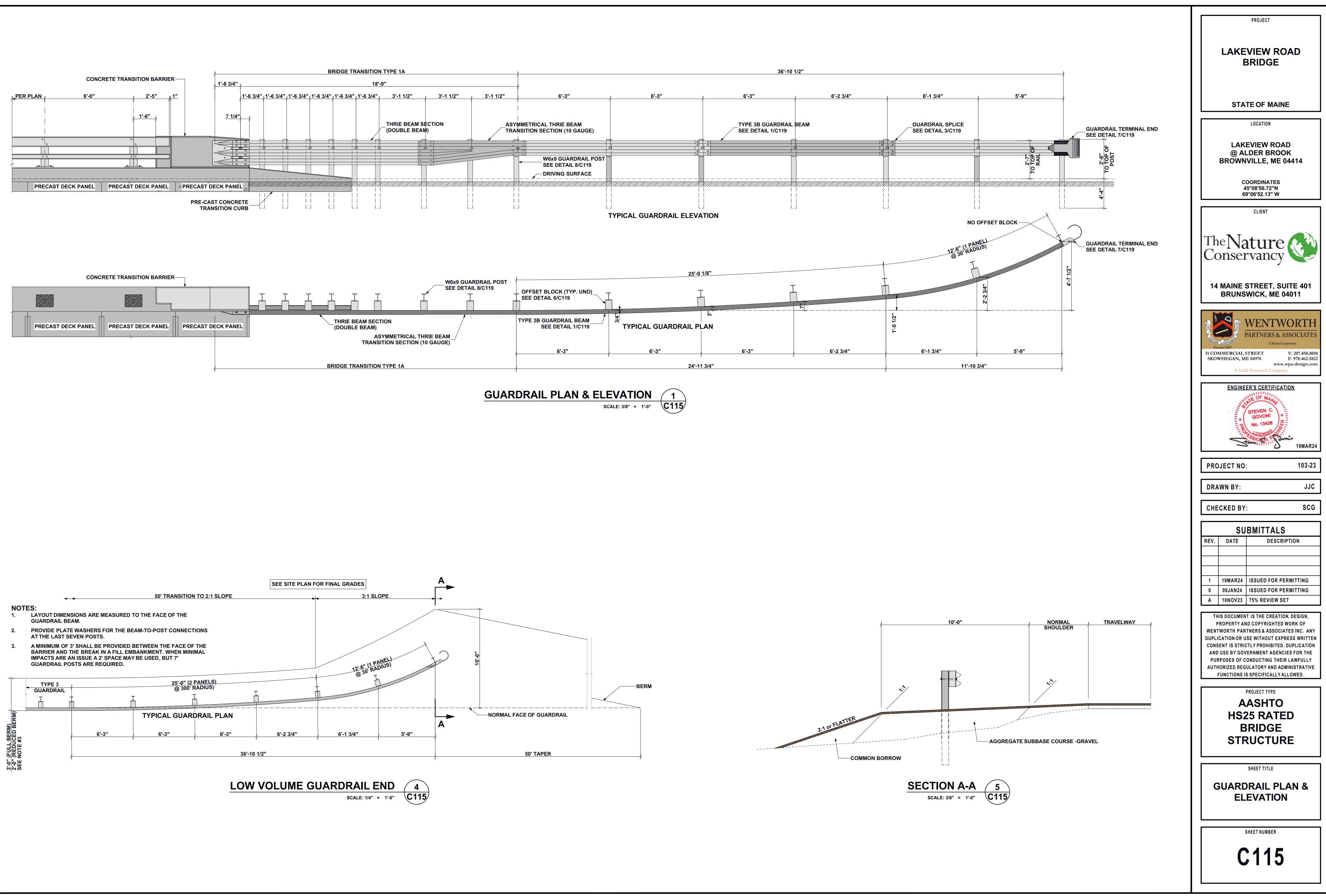


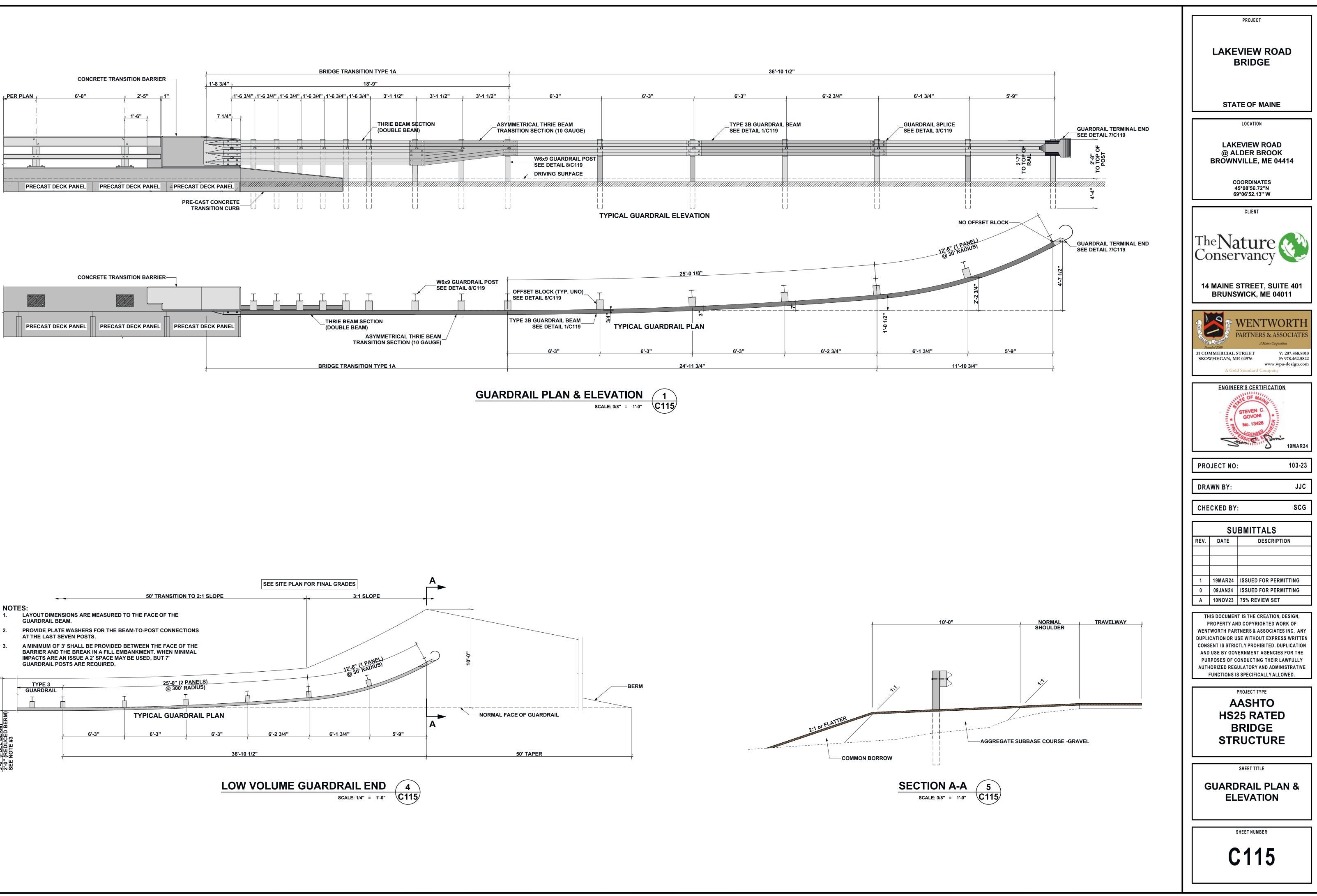


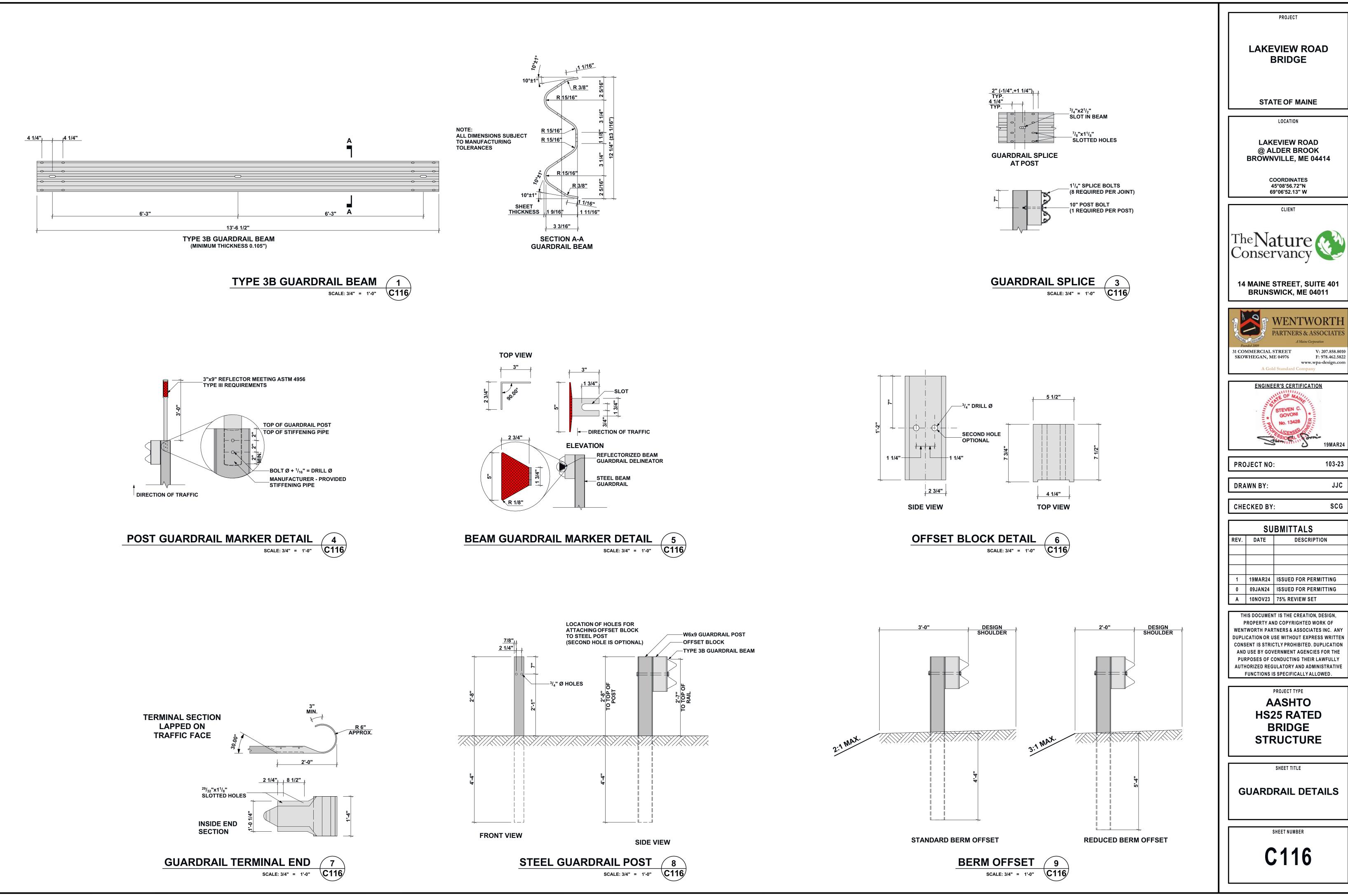


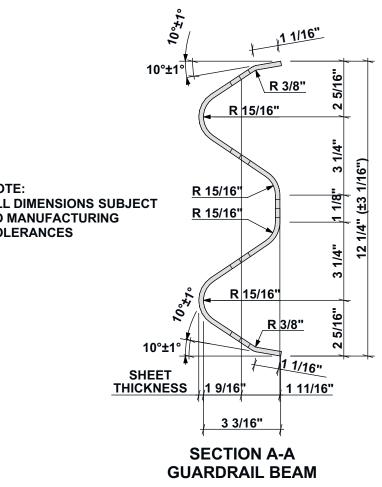


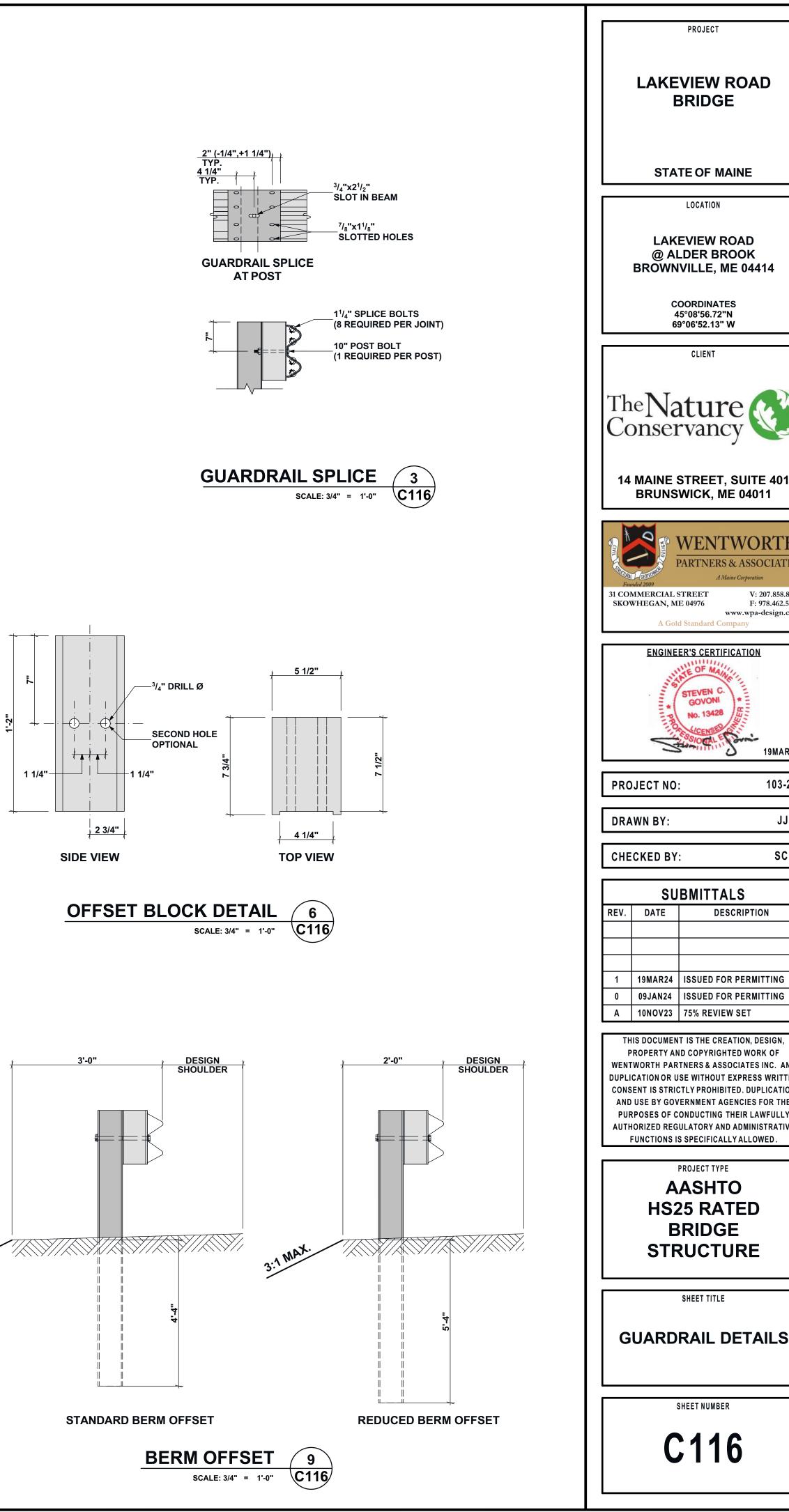


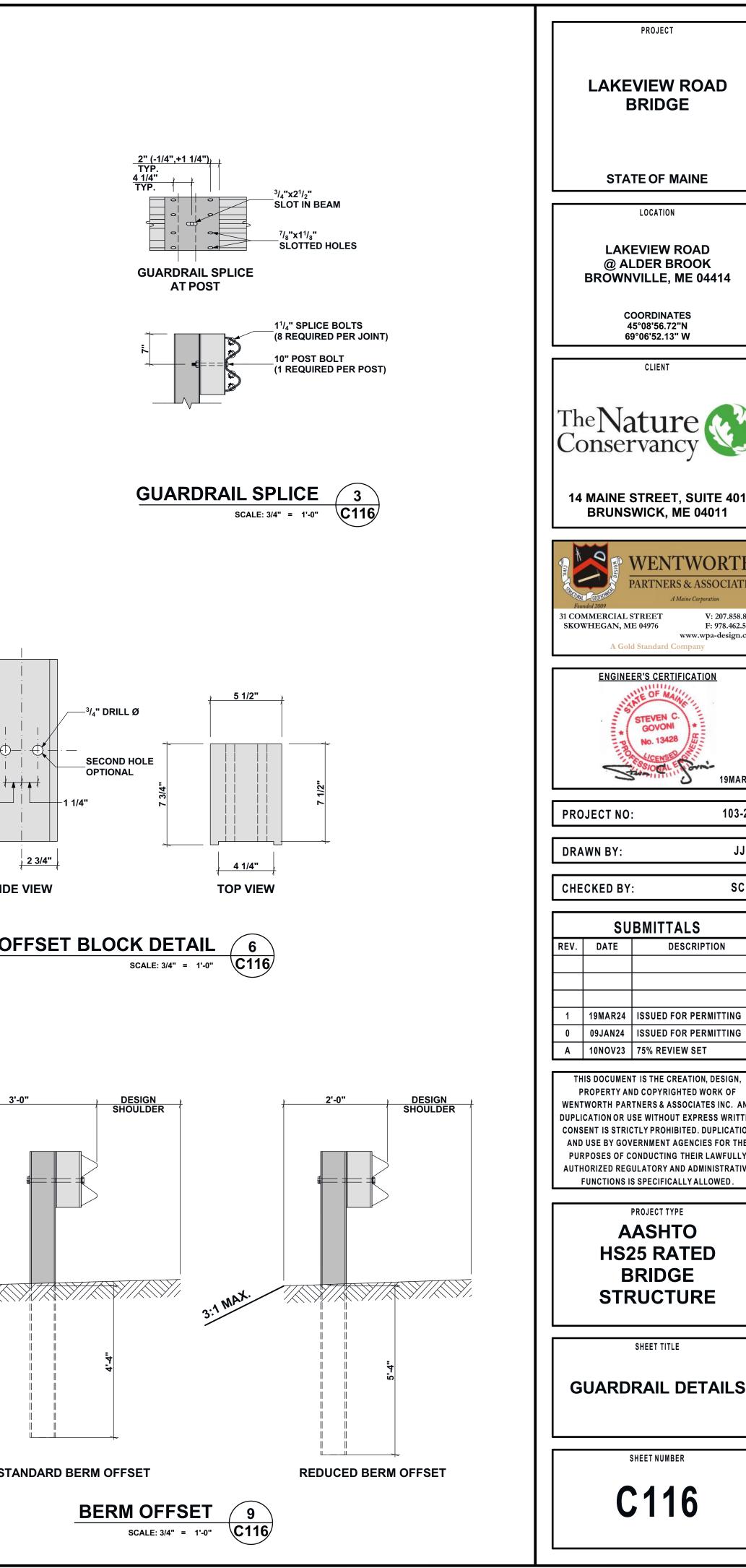




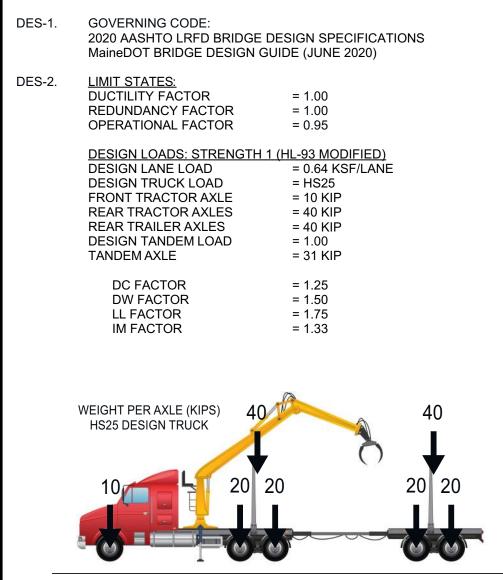


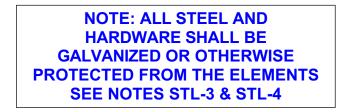






DESIGN CRITERIA:





CONCRETE:

- CON-1. ALL CONCRETE WORK SHALL CONFORM TO THE LATEST ADOPTED EDITIO THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS AND THE DEPARTMENT OF TRANSPORTATION (MaineDOT). IN CASE OF CONF MaineDOT SHALL GOVERN.
- CON-2. ALL CONCRETE SHALL BE CONTROLLED CONCRETE, MIXED AND PLA UNDER THE SUPERVISION OF AN APPROVED CONCRETE TESTING AGENCY
- CON-3. FOR LOCATIONS LISTED BELOW, CONCRETE SHALL HAVE A MINI COMPRESSIVE STRENGTH (F'c) IN 28 DAYS OF 4350 PSI AND SHALL BE NOF WEIGHT CONCRETE WITH SAND GRAVELAGGREGATE AS FOLLOWS:

STRUCTURAL WEARING SURFACE	CLASS LP
BARRIERS, CURBS, SIDEWALKS, END POSTS	CLASS LP
SEALS	. CLASS S
PRECAST	CLASS P
FILL	FILL
ALL OTHER	. CLASS A

- CON-4. ALL CONCRETE EXPOSED TO THE WEATHER OR POSSIBLE FREEZE/ ACTION SHALL CONTAIN AN AIR ENTRAINMENT ADMIXTURE. AIR CONTEN BE 6% ±1¹/₂%.
- CON-5. GROUT UNDER COLUMN BASE PLATES AND UNDER OTHER BEARING PL SHALL BE NON-SHRINK, NONMETALLIC GROUT WITH A MINIMUM COMPRES STRENGTH OF 5000 PSI AT 3 DAYS.
- CON-6. CONCRETE CAST ON SLOPED SURFACES SHALL BEGIN AT THE LOW ELEVATION AND CONTINUE MONOLITHICALLY TOWARD THE HIC ELEVATIONS UNTIL THE INTENDED POUR IS COMPLETED.
- CON-7. NO CONCRETE SHALL BE CAST BEFORE REVIEW AND APPROVAL OF REINFORCING AND EMBEDDED ITEMS HAVE BEEN OBTAINED FROM ARCHITECT, OR HIS DESIGNATED REPRESENTATIVE.
- CON-8. ALL EXPOSED EDGES OF CONCRETE MEMBERS SHALL BE CHAMFEREN UNLESS SHOWN OTHERWISE ON ARCHITECTURAL DRAWINGS.
- CONCRETE MUST REACH THE FOLLOWING PERCENTAGES OF ITS 28-CON-9. COMPRESSIVE STRENGTH (F'C) BEFORE FORMS OR SHORES MAY REMOVED: FOOTINGS.. .. 20%
- WALLS AND BEAM SIDES.....20%
- CON-10. REFER TO SPECIFICATION DRAWINGS FOR CONCRETE FINISHES.
- CON-11. THE PLACEMENT OF SLEEVES, OUTLET BOXES, BOX-OUTS, ANCHORS, ETC FOR THE MECHANICAL, ELECTRICAL AND PLUMBING TRADES IS THE RESPONSIBILITY OF THE TRADE INVOLVED. HOWEVER, ANY BOX-OUTS COVERED BY TYPICAL DETAILS IN THE STRUCTURAL DRAWINGS SHAL SUBMITTED FOR APPROVAL.
- CON-12. AT SAWCUTTING OF EXISTING CONCRETE, EXCLUDING SLABS ON GRADE OVERCUT AT CORNERS IS ALLOWED. ALL CORNERS SHALL HAVE A CORE OF SUFFICIENT DIAMETER MADE PRIOR TO CUTTING AT ADJACENT SIDE PREVENT CUT BEYOND THE REQUIRED DIMENSION.

STRUCTURAL STEEL

REINFORCING:

	<u>51R</u>	UCTURAL STEEL:		<u>REI</u>						
TION OF MAINE NFLICT,	STL-1.	STRUCTURAL STEEL DESIGN CONFORMS TO FABRICATION AND ERECTION OF STRUCTURA THIRTEENTH EDITION), UNLESS OTHERWISE NO	L STEEL FOR BUILDINGS" (AISC,	REI-1.						
PLACED CY.	STL-2.	STRUCTURAL STEEL ROLLED SHAPES, PLATES THE FOLLOWING ASTM DESIGNATIONS:	, AND BARS SHALL CONFORM TO	REI-2.						
INIMUM ORMAL		ASTM A709, GRADE 50W (UNPAINTED) ASTM A709, GRADE 50 (PAINTED) ASTM A325, TYPE 3 ASTM F1554, GRADE 55	ALL MATERIAL (U.N.O.) ALL BOLTS FOR CONNECTING STRUCTURAL MEMBERS	REI-3. REI-4.						
	STL-3.	ALL STEEL HARDWARE SHALL BE HOT DIP GAL	/ANIZED							
	STL-4.	ALL STEEL EXCEPT HARDWARE SHALL BE FABRICATION or PAINTED USING A NEPCOAT NOTE PNT-1) or BE WEATHERING STEEL (ASTM	ORG APPROVED SYSTEM (SEE							
E/THAW ENT TO	STL-5.	SHOP CONNECTIONS SHALL BE MADE BY WEL BOLTS, MINIMUM, SNUG TIGHT FIT; UNLESS OT		REI-5.						
PLATES ESSIVE	STL-6.	ALL SHOP AND FIELD WELDS SHALL BE MADE BY CERTIFIED WELDERS, AND SHALL CONFORM TO "STRUCTURAL WELDING CODE - STEEL" (AWS D1.1-15)								
OWEST	STL-7.	ELECTRODES FOR ALL FIELD AND SHOP WELD 70 SERIES. VERIFY COMPATIBILITY OF ELECTRO								
HIGHER	STL-8.	BOLTED FIELD CONNECTIONS SHALL BE MADE MINIMUM, UNLESS OTHERWISE NOTED.	WITH ³ / ₄ " DIAMETER A325 BOLTS,							
DF THE M THE RED ³ / ₄ "	STL-9.	DETAILS AND CONNECTIONS COMPLETELY DRAWINGS MAY NOT BE ALTERED WITHOUT ENGINEER. WHERE APPROVED, ALTERED COMPLETELY DETAILED BY THE FABRICATOR SHOP DRAWINGS.	T WRITTEN APPROVAL BY THE D CONNECTIONS SHALL BE							
8-DAYS AY BE	STL-10.	MINIMUM CONNECTION PLATE THICKNESS SH INDICATED IN THE CONTRACT DRAWINGS.	ALL BE $3/_8$ ", UNLESS OTHERWISE							
	STL-11.	ALL MOMENT PLATE CONNECTIONS SHALL MOMENT CAPACITY (AS TABULATED B) CONSTRUCTION, PART 2, 14TH EDITION) O OTHERWISE. LOCAL STRESSES AT BOLT HOLES	THE MANUAL OF STEEL F THE BEAM, UNLESS NOTED							
TC., IS NOT	STL-12.	SPLICING OF STRUCTURAL MEMBERS WH DRAWINGS IS PROHIBITED WITHOUT PRIOR A ENGINEER.								
ALL BE	STL-13.	CUTS, HOLES, COPING, ETC. REQUIRED FOR V BE SHOWN ON THE SHOP DRAWINGS AND		REI-6.						
.DE, NO E HOLE DES TO		BURNING OF HOLES IN STRUCTURAL STEEL M BE PERMITTED, UNLESS SPECIFICALLY APPI STRUCTURAL ENGINEER.	EMBERS IN THE FIELD WILL NOT	REI-7. REI-8.						

STL-14. ALL WELD SIZES NOT SHOWN IN DETAILS HEREIN SHALL BE THE MINIMUM REQUIRED SIZE BASED ON THICKNESS OF THICKER PART AS PER AISC 13th. ED., TABLES J2.3 & J2.4. EXCEPTION: AT MEMBER SPLICES, WELDS OR BOLTS REI-9. SHALL DEVELOP FULL STRENGTH OF THE MEMBER OR COMPONENTS BEING CONNECTED.

EI-1. ALL CONCRETE REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60 EXCEPT WHERE NOTED. ALL REINFORCING BARS TO BE WELDED SHALL CONFORM TO ASTM A706. REINFORCING BARS MAY NOT BE WELDED WITHOUT PRIOR APPROVAL OF THE STRUCTURAL ENGINEER.

EI-2. ALL WELDED WIRE FABRIC (W.W.F.) SHALL CONFORM TO ASTM 185. (FY=65 KSI MIN.)

EI-3. DETAILING OF CONCRETE REINFORCEMENT AND ACCESSORIES SHALL BE IN ACCORDANCE WITH THE AASHTO SPECIFICATION.

PROVIDE AND SCHEDULE WITH THE SHOP DRAWINGS, ALL NECESSARY ACCESSORIES TO HOLD REINFORCING SECURELY IN POSITION. MINIMUM REQUIREMENTS SHALL BE: HIGH CHAIRS..... 4'-0" O.C.

SLAB BOLSTERS 4'-0" O.C. SUPPORT BARS FOR HIGH CHAIRS NO. 5

EI-5. ALL CONTINUOUS REINFORCEMENT SHALL HAVE A MINIMUM LAP AS REQUIRED FOR A CLASS A SPLICE.

BAR SIZE	LAP CLASS	CONCRETE COVER 1.50 IN.			E COVER IN.	CONCRETE COVER 3.00 IN.		
	CLASS	TOP	OTHER	TOP	OTHER	TOP	OTHEF	
	A	13	12	13	12	13	12	
#3	В	17	13	17	13	17	13	
#4	A	17	13	17	13	17	13	
#4	В	23	17	23	17	23	17	
#5	A	22	17	22	17	22	17	
#5	В	28	22	28	22	28	22	
#6	A	26	20	26	20	26	20	
#0	В	34	26	34	26	34	26	
#7	A	43	33	38	29	38	29	
#1	В	55	43	49	38	49	38	
#8	A	54	41	43	33	43	33	
#0	В	70	54	56	43	56	43	
#9	A	66	51	53	41	48	37	
#9	В	86	66	69	53	63	48	
#10	A	81	62	66	51	55	42	
#10	В	105	81	85	66	71	55	
#11	A	97	74	79	61	61	47	
#11	В	125	97	102	79	79	61	

EI-6. ALL LAPS IN W.W.F. SHALL BE ONE MESH PLUS 2" AT SPLICES.

CONCRETE PROTECTION FOR REINFORCEMENT SHALL BE PROVIDED PER TABLE 5.12.3-1, UNLESS NOTED OTHERWISE.

ALL HOOKS SHOWN ON DRAWINGS SHALL BE STANDARD HOOKS UNLESS NOTED OTHERWISE.

WHERE CONTINUOUS BARS ARE CALLED FOR, THEY SHALL RUN CONTINUOUSLY AROUND CORNERS AND BE LAPPED AT NECESSARY SPLICES, OR HOOKED AT DISCONTINUOUS ENDS. LAP LENGTHS SHALL BE AS GIVEN IN THE SPLICE AND DEVELOPMENT TABLE. LAP BEAM TOP BARS AT MID-SPAN AND BEAM BOTTOM BARS AT SUPPORTS, UNLESS OTHERWISE NOTED.

SITUATION	COVER (IN.)
DIRECT EXPOSURE TO SALT WATER	4.0
CAST AGAINST EARTH	3.0
COASTAL	3.0
EXPOSURE TO DEICING SALTS	2.5
DECK SURFACES SUBJECT TO TIRE STUD OR CHAIN WEAR	2.5
EXTERIOR OTHER THAN ABOVE	2.0
INTERIOR OTHER THAN ABOVE • UP TO NO. 11 BAR	1.5
• NO. 14 AND NO. 18 BARS	2.0
BOTTOM OF CAST-IN-PLACE SLABS • UP TO NO. 11 BAR	1.0
• NO. 14 AND NO. 18 BARS	2.0
PRECAST SOFFIT FORM PANELS	0.8
PRECAST REINFORCED PILES NONCORROSIVE ENVIRONMENTS 	2.0
CORROSIVE ENVIRONMENTS	3.0
PRECAST PRESTRESSED PANELS	2.0
CAST-IN-PLACE PILES NONCORROSIVE ENVIRONMENTS 	2.0
CORROSIVE ENVIRONMENTS	
-GENERAL	3.0
PROTECTED	3.0
• SHELLS	2.0
 AUGER-CAST, TREMIE CONCRETE, OR SLURRY CONSTRUCTION 	3.0

		PROJECT					
		VIEW ROAD BRIDGE					
	STA	TE OF MAINE					
		LOCATION					
	LAKEVIEW ROAD @ ALDER BROOK BROWNVILLE, ME 04414						
	4	OORDINATES 5°08'56.72"N 9°06'52.13" W					
		CLIENT					
		ture wancy					
14		STREET, SUITE 401 WICK, ME 04011					
31 COM	- DES						
	A Gol	d Standard Company					
	ENGINE	ER'S CERTIFICATION					
	10	STEVEN C.					
	* PRO	No. 13428					
		19MAR24					
PRO	JECT NO	: 103-23					
DRA	WN BY:	JJC					
	CKED BY						
REV.	SU DATE	BMITTALS					
1 0	19MAR24 09JAN24	ISSUED FOR PERMITTING ISSUED FOR PERMITTING					
A	10NOV23	75% REVIEW SET					
	S DOCUMEN	T IS THE CREATION, DESIGN,					
		ID COPYRIGHTED WORK OF					
DUPLIC	WORTH PAR CATION OR U	ID COPYRIGHTED WORK OF TNERS & ASSOCIATES INC. ANY SE WITHOUT EXPRESS WRITTEN CTLY PROHIBITED. DUPLICATION					
DUPLIC CONSE AND	WORTH PAR CATIONOR U ENT IS STRIC USE BY GOV	TNERS & ASSOCIATES INC. ANY SE WITHOUT EXPRESS WRITTEN					
DUPLIC CONSE AND PUR AUTHO	WORTH PAR CATION OR U ENT IS STRIC USE BY GOV POSES OF C ORIZED REG	TNERS & ASSOCIATES INC. ANY SE WITHOUT EXPRESS WRITTEN CTLY PROHIBITED. DUPLICATION VERNMENT AGENCIES FOR THE					
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DUPLIC CONSE AND PUR AUTHO	WORTH PAR CATION OR U ENT IS STRIC USE BY GOV POSES OF C ORIZED REG UNCTIONS IS A HS2	TNERS & ASSOCIATES INC. ANY SE WITHOUT EXPRESS WRITTEN CTLY PROHIBITED. DUPLICATION VERNMENT AGENCIES FOR THE ONDUCTING THEIR LAWFULLY ULATORY AND ADMINISTRATIVE S SPECIFICALLY ALLOWED.					
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DUPLIC CONSE AND PUR AUTHO	WORTH PAR CATION OR U ENT IS STRIC USE BY GOV POSES OF C ORIZED REG UNCTIONS IS HS2 B	TNERS & ASSOCIATES INC. ANY SE WITHOUT EXPRESS WRITTEN CTLY PROHIBITED. DUPLICATION VERNMENT AGENCIES FOR THE ONDUCTING THEIR LAWFULLY ULATORY AND ADMINISTRATIVE SPECIFICALLY ALLOWED.					
DUPLIC CONSE AND PUR AUTHO F	WORTH PAR CATION OR U ENT IS STRIC USE BY GOV POSES OF C ORIZED REG UNCTIONS IS A HS2 B STF	TNERS & ASSOCIATES INC. ANY SE WITHOUT EXPRESS WRITTEN CTLY PROHIBITED. DUPLICATION VERNMENT AGENCIES FOR THE ONDUCTING THEIR LAWFULLY ULATORY AND ADMINISTRATIVE S SPECIFICALLY ALLOWED. PROJECT TYPE ASHTO 25 RATED BRIDGE					
DUPLIC CONSE AND PUR AUTHO F	WORTH PAR CATION OR U ENT IS STRIC USE BY GOV POSES OF C ORIZED REG UNCTIONS IS A HS2 B STF	TNERS & ASSOCIATES INC. ANY SE WITHOUT EXPRESS WRITTEN CTLY PROHIBITED. DUPLICATION VERNMENT AGENCIES FOR THE ONDUCTING THEIR LAWFULLY ULATORY AND ADMINISTRATIVE SPECIFICALLY ALLOWED. PROJECT TYPE ASHTO STRATED BRIDGE BRIDGE BRIDGE SHEET TITLE					
DUPLIC CONSE AND PUR AUTHO F	WORTH PAR CATION OR U ENT IS STRIC USE BY GOV POSES OF C ORIZED REG UNCTIONS IS A HS2 B STF	TNERS & ASSOCIATES INC. ANY SE WITHOUT EXPRESS WRITTEN CTLY PROHIBITED. DUPLICATION VERNMENT AGENCIES FOR THE ONDUCTING THEIR LAWFULLY ULATORY AND ADMINISTRATIVE SPECIFICALLY ALLOWED. PROJECT TYPE ASHTO STRATED BRIDGE BRIDGE BRIDGE SHEET TITLE					

INSPECTION:

INS-1.

GENERAL:

TESTING AND INSPECTION WILL BE MADE BY AN APPROVED TESTING LABORATORY SELECTED AND PAID BY THE OWNER. CONTRACTOR SHALL FURNISH TESTING AGENCY ACCESS TO WORK, FACILITIES AND INCIDENTAL LABOR REQUIRED FOR TESTING AND INSPECTION. RETENTION BY THE OWNER OF AN INDEPENDENT TESTING AGENCY SHALL IN NO WAY RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR PERFORMING ALL WORK IN ACCORDANCE WITH THE CONTRACT REQUIREMENTS.

INS-2. STRUCTURAL STEEL:

A. FURNISH THE TESTING AGENCY WITH THE FOLLOWING:

A-1. A COMPLETE SET OF SHOP AND ERECTION DRAWINGS.

A-2. FULL AND AMPLE MEANS AND ASSISTANCE FOR TESTING ALL MATERIAL.

A-3. PROPER FACILITIES, INCLUDING SCAFFOLDING, TEMPORARY WORK PLATFORMS, ETC., FOR INSPECTION OF THE WORK IN THE MILLS, SHOP AND FIELD.

B. EACH PERSON INSTALLING CONNECTIONS SHALL BE ASSIGNED AN IDENTIFYING SYMBOL OR MARK, AND ALL SHOP AND FIELD CONNECTIONS SHALL BE IDENTIFIED SO THAT THE INSPECTOR CAN REFER BACK TO THE INSTALLER MAKING THE CONNECTION.

C. THE TESTING AGENCY'S INSPECTOR SHALL PERFORM THE ASSIGNED DUTIES IN SUCH A WAY THAT NEITHER FABRICATION NOR ERECTION IS UNNECESSARILY DELAYED OR IMPEDED. IN NO CASE WILL THE INSPECTOR RECOMMEND OR PRESCRIBE THE METHOD OR REPAIR OF A DEFECT.

D. FIELD INSPECTION BY THE TESTING AGENCY OF ERECTED STEEL WILL BE SUCH AS TO ASSURE THAT THE WORK CONFORMS TO SPECIFIED REQUIREMENTS AND WILL INCLUDE:

D-1. INSPECTION OF FIELD WELDING AS REQUIRED HEREIN.

D-2. ASCERTAINMENT THAT THE WELDING IS PERFORMED ONLY BY WELDING OPERATORS AND WELDERS WHO ARE PROPERLY CERTIFIED. THE TESTING AGENCY SHALL WITNESS SUCH QUALIFICATION TESTING OF WELDING OPERATORS AND WELDERS AS MAY BE REQUIRED.

D-3. ASCERTAINMENT OF PROPER INSTALLATION AND TENSIONING OF INS-3. BOLTS

E. WELDING AND MATERIALS: INSPECTION OF WELDING BY THE TESTING AGENCY WILL BE SUCH AS TO ASSURE THAT THE WORK CONFORMS TO SPECIFIED REQUIREMENTS, AND WILL INCLUDE:

E-1. ASCERTAINMENT THAT ELECTRODES USED FOR MANUAL SHIELDED METAL-ARC WELDING AND ELECTRODES AND FLUX USED FOR SUBMERGED ARE WELDING CONFORM TO THE REQUIREMENTS OF THIS SECTION.

E-2. ASCERTAINMENT THAT THE APPROVED WELDING PROCEDURE AND THE APPROVED WELDING SEQUENCE IS FOLLOWED.

E-3. ASCERTAINMENT THAT THE WELDING IS PERFORMED ONLY BY WELDING OPERATORS AND WELDERS WHO ARE PROPERLY CERTIFIED. THE TESTING AGENCY SHALL WITNESS SUCH QUALIFICATION TESTING OF WELDING OPERATORS AND WELDERS AS MAY BE REQUIRED.

E-4. ASCERTAINMENT THAT THE FIT-UP. JOINT PREPARATION. SIZE. CONTOUR. EXTENT OF REINFORCEMENT, AND LENGTH AND LOCATION OF WELDS CONFORM TO SPECIFIED REQUIREMENTS AND THE CONTRACT DRAWINGS, AND THAT NO SPECIFIED WELDS ARE OMITTED OR UNSPECIFIED WELDS ADDED WITHOUT APPROVAL.

F. THE TESTING AGENCY SHALL TEST FIELD WELDS IN ACCORDANCE WITH AWS D1.1 AS FOLLOWS:

F-1. ALL WELDS 100% VISUAL

F-2. FULL PENETRATION WELDS: MAGNETIC PARTICLE ALL WELDS

INSPECTION CONT.:

G. THE WELDING INSPECTOR WILL HAVE THE AUTHORITY TO REJE WELDMENTS. SUCH REJECTION MAY BE BASED ON VISUAL INSPECTION V IN THE INSPECTORS OPINION THE WELDMENT WOULD NOT PASS A DETAILED INVESTIGATION.

H. REPORTS BY THE TESTING AGENCY'S INSPECTOR WILL CONTAIN, AS MINIMUM, AN ADEQUATE DESCRIPTION OF EACH WELD TESTED IDENTIFYING MARK OF THE WELDER RESPONSIBLE FOR THE WE CRITIQUE OF ANY DEFECTS NOTED BY VISUAL INSPECTION OR TESTING, STATEMENT REGARDING THE ACCEPTABILITY OF THE WELD TESTE JUDGED BY CURRENT A.W.S. STANDARDS. REPORTS SHALL BE DISTRI AS EARLY AS POSSIBLE BUT NOT LATER THAN ONE WORK WEEK AFTE TESTS HAVE BEEN PERFORMED. THE STRUCTURAL ENGINEER SHA NOTIFIED BY PHONE IF, IN THE JUDGMENT OF THE INSPECTOR, TEST RE REQUIRE IMMEDIATE COMMENT.

I. HIGH STRENGTH BOLTS

I-1. THE INSPECTOR SHALL DETERMINE THE APPROPRIATE REQUIREM OF SECTIONS J3 AND M2 OF THE AISC "SPECIFICATION" ARE MET.

I-2. STANDARD BOLTS: (1) VERIFY CONTRACTOR'S TESTING OF INSTALLATION PROCED (TURN OF THE NUT) TO ARCHIEVE SPECIFIED BOLT TENSIONS FOR LOT OF BOLTS. CONTRACTOR TO PROVIDE A CALIBRATED DEVICE CA OF INDICATING BOLT TENSION.

(2) IF REJECTABLE BOLTS ARE FOUND IN ANY CONNECTION AL RÉMAINING BOLTS IN THAT CONNECTION SHALL BE INSPECTEI COMPLIANCE. INSPECTION PROCEDURE SHALL BE IN ACCORDANCE "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OF BOLTS" APPROVED BY RESEARCH COUNCIL ON RIVETED AND B STRUCTURAL JOINTS OF THE ENGINEERED FOUNDATION (RESE COUNCIL ON STRUCTURAL CONNECTION). COST OF ADDIT INSPECTION REQUIRED BY THIS PARAGRAPH SHALL BE RESPONSIBIL THE CONTRACTOR.

I-3. TENSION CONTROL:

(1) VERIFY CONTRACTOR'S TESTING OF BOLT CAPACITY TO ARC SPECIFIED TENSIONS FOR EACH LOT OF BOLTS. (2) PERFORM A VISUAL INSPECTION OF ALL HIGH STRENGTH B CONNECTIONS TO ASSURE THAT ALL TORQUE-OFF SPLINES HAVE SHEARED.

CONCRETE

A. CONCRETE INSPECTION AND TESTING WILL BE MADE IN ACCORDANCE BUILDING CODE REQUIREMENTS, AND CONTRACT DOCUMENTS, AND INCLUDE THE FOLLOWING:

A-1. TESTING CONCRETE FOR STRENGTH, SLUMP, AIR CON TEMPERATURE, AND UNIT WEIGHT.

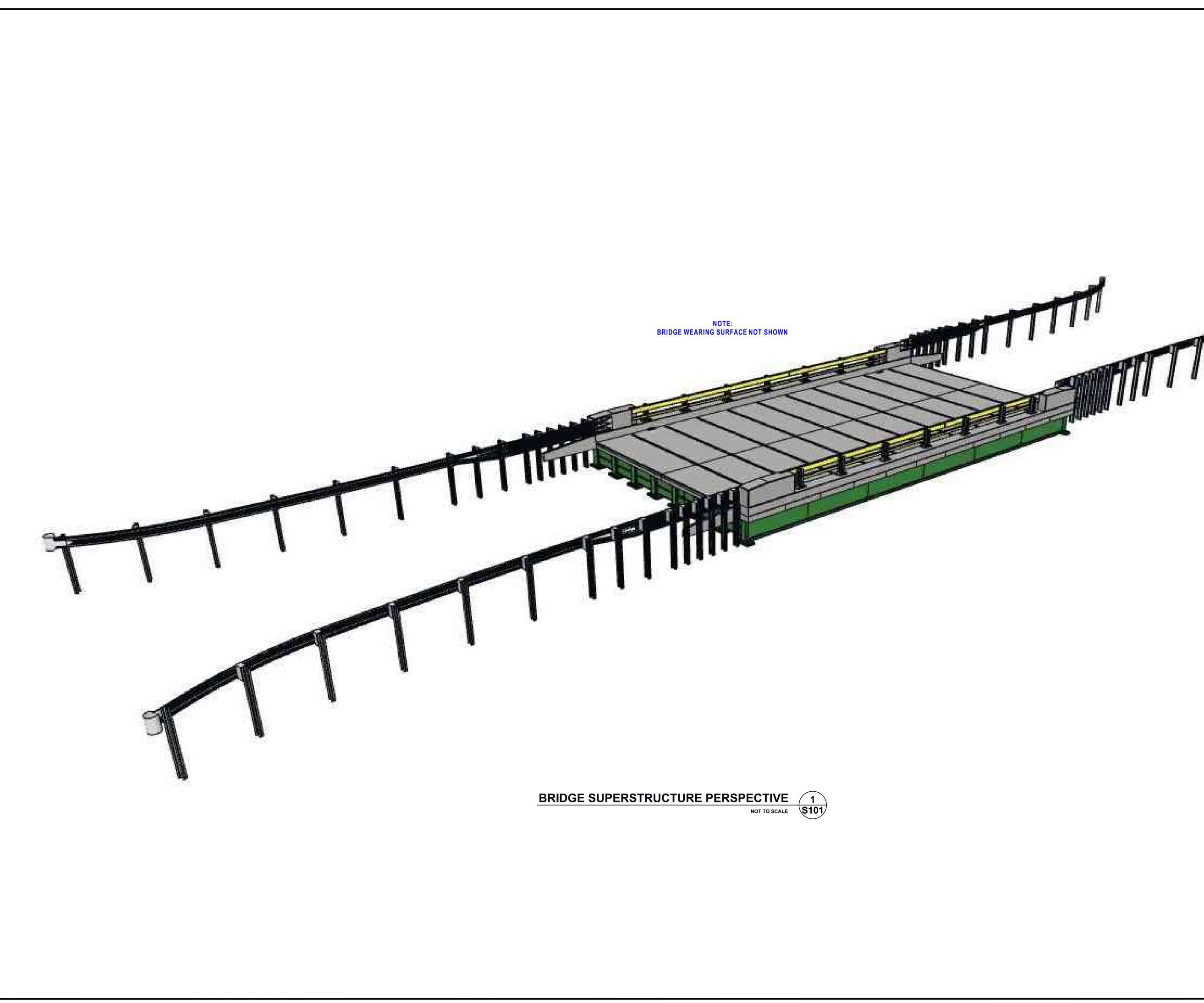
B. TEST SPECIMENS: THE TESTING LABORATORY WILL TAKE SPECIMENS EACH CLASS OF CONCRETE FROM DIFFERENT LOCATIONS ON THE J FOLLOWS: AT LEAST ONE SET OF FOUR CYLINDERS FOR EACH 100 YARDS OR FRACTION THEREOF OF EACH CLASS OF CONCRETE.

C. REINFORCING STEEL INSPECTION: CONCRETE REINFORCING SHA INSPECTED PRIOR TO CLOSING OF CONCRETE FORM WORK OR PLACI CONCRETE. INSPECTOR TO VERIFY SIZE, SPACING, QUANTIT REINFORCING PER LATEST CONTRACT DOCUMENTS.

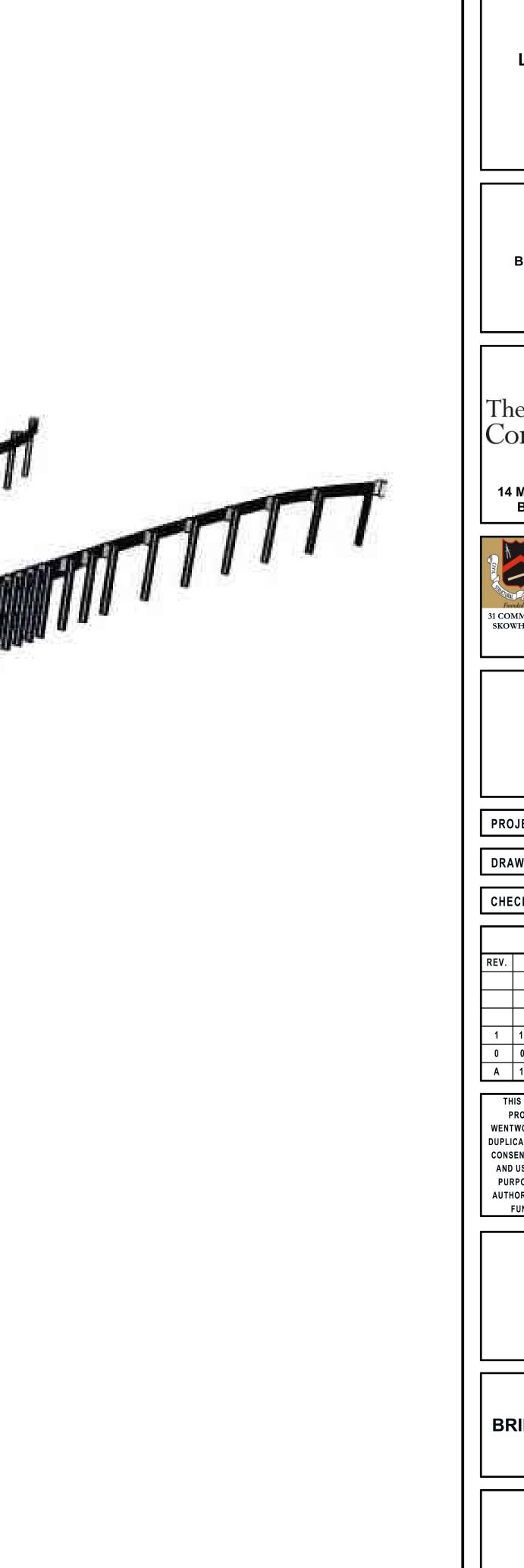
	<u>SUE</u>	<u>MITTALS:</u>	<u>PAII</u>	NT SP	PECIFI	<u>CATIONS</u>					
EJECT DN WHERE S A MORE	SUB-1.	SUBMIT SUBSTANTIATING DATA FOR EACH CONCRETE MIX DESIGN CONTEMPLATED FOR USE TO THE STRUCTURAL ENGINEER NOT LESS THAN SIX WEEKS PRIOR TO FIRST CONCRETE PLACEMENT. DATA FOR EACH MIX SHALL, AS A MINIMUM, INCLUDE THE FOLLOWING:	PNT-1.	NTPEP SYSTEM NO.	COATS		SLIP COEF CLASS	DFT (M	COATING IN/MAX) MICRON	VOC TESTED g/L	QPL ACCEPTED DATES
I, AS A TED, THE		1-A. MIX IDENTIFICATION DESIGNATION (UNIQUE FOR EACH MIX SUBMITTED).				3-COAT SYSTEM TESTED AND ACCEPTED					
WELD, A NG, AND A		1-B. STATEMENT OF INTENDED USE FOR MIX.			Λ						
STED, AS TRIBUTED FTER THE		1-C. MIX PROPORTIONS, INCLUDING ALL ADMIXTURES USED.		<u>NEPCOAT L</u>		GANIC ZINC RICH PRIMER / EPOXY OR URETHANE INTER	MEDIATE	<u> </u>	<u>FIC URETHAN</u>	<u>E FINISH</u>	
SHALL BE RESULTS		1-D. MANUFACTURER'S DATA AND/OR CERTIFICATIONS VERIFYING CONFORMANCE OF ALL MIX MATERIALS, INCLUDING ADMIXTURES, WITH SPECIFIED REQUIREMENTS.		SSC(12)-03	PRIMER INTERM	CARBOLINE COMPANY CARBOZINC [®] 11 HS INORGANIC ZINC PRIMER CARBOGUARD [®] 893 EPOXY INTERMEDIATE	B ¹	2-6 3-6	50-150 75-150	267 198	FROM 04/14/14 UNTIL MTG.
		1-E. WET AND DRY UNIT WEIGHT.			TOPCOAT FOOTNOTE	CARBOTHANE 133 LV ALIPHATIC POLYURETHANE 6 MILS MAX DFT, 19 HRS MIN CURE, 12% MAX THINNER		3-5	50-125	245	SPRING 2021
IREMENTS		1-F. ENTRAINED AIR CONTENT.		SSC(17)-03		INTERNATIONAL PAINT INC					FROM
		1-G. DESIGN SLUMP			PRIMER INTERM	INTERZINC [®] 22HS INORGANIC ZINC RICH INTERGARD 475HS EPOXY	B ¹	2.5-3 4-8	62-75 100-200	311 188	04/02/19 UNTIL MTG.
OCEDURES FOR EACH E CAPABLE	SUB-2.	SUBMIT SHOP DRAWINGS FOR FABRICATION, BENDING AND PLACEMENT OF CONCRETE REINFORCEMENT.			TOPCOAT FOOTNOTE	INTERTHANE [®] 870 UHS POLYURETHANE 5 MILS MAX DFT, 24 HOURS MIN CURE, ZERO THINNER		3-5	75-125	257 es	SPRING 2023
	SUB-3.	SUBMIT STRUCTURAL STEEL SHOP DRAWINGS. CLEARLY INDICATE PROFILES,		<u>NEPCOAT L</u>	<u>_ist</u> D - <u>org</u>	GANIC ZINC RICH PRIMER / EPOXY OR URETHANE INTERM	<u>IEDIATE</u>	<u>/ ALIPHATI</u>	C URETHANE	<u>FINISH</u>	
ALL THE TED FOR NCE WITH OR A490 D BOLTED RESEARCH		SIZES, SPACING AND LOCATIONS OF STRUCTURAL MEMBERS, CONNECTIONS, ATTACHMENTS, ANCHORAGES, FRAMED OPENINGS, SIZE AND TYPE OF FASTENERS, CAMBERS, AND CLEARANCES. INDICATE WELDED CONNECTIONS USING STANDARD AWS WELDING SYMBOLS. CLEARLY INDICATE NET WELD LENGTHS, SIZES, AND WELDING SEQUENCES. CLEARLY IDENTIFY ALL HIGH STRENGTH BOLTS NOT REQUIRED TO BE TENSIONED (INSTALLED "SNUG		SSC(10)-05	PRIMER INTERM TOPCOAT FOOTNOTE	WASSER HIGH TECH COATINGS MC-ZINC 100 MC-MIOMASTIC 100 MC-FERROX A 100 NO DATA REPORTED	Ø NO REPORT	3-5 3-5 2-4	75-125 75-125 50-100	115 es 173 es 144 es	FROM 04/03/12 UNTIL MTG. FALL 2019
DDITIONAL IBILITY OF		TIGHT" AND DEFINED BY AISC).		SSC(11)-01	PRIMER INTERM TOPCOAT	SHERWIN WILLIAMS COMPANY ZINC CLAD® III HS ORGANIC ZINC RICH EPOXY PRIMER STEEL SPEC EPOXY INTERMEDIATE HI-SOLIDS POLYURETHANE	A ¹	3-5 3-8 3-5	75-125 75-200 75-125	337 293 288	FROM 10/02/12 UNTIL MTG. FALL 2019
ARCHIEVE					FOOTNOTE	5 MILS MAX DFT, 7 DAYS MIN CURE, ZERO THINNER					
H BOLTED AVE BEEN				SSC(11)-02	PRIMER INTERM TOPCOAT FOOTNOTE	INTERNATIONAL PAINT INC INTERZINC® 315B EPOXY ZINC RICH INTERGARD 475HS EPOXY INTERTHANE® 870 UHS 4 MILS MAX DFT, 48 HOURS MIN CURE, ZERO THINNER	B1	2-6 4-8 3-5	50-150 100-200 75-125	304 187 242 es	FROM 10/02/12 UNTIL MTG. FALL 2019
NCE WITH AND WILL CONTENT,				SSC(04)-03 SSC(11)-03		SHERWIN WILLIAMS COMPANY ZINC CLAD® III HS ORGANIC ZINC RICH EPOXY PRIMER MACROPOXY® 646 FAST CURE EPOXY ACROLON™ 218 HS ACRYLIC POLYURETHANE 5 MILS MAX DFT, 7 DAYS MIN CURE, ZERO THINNER	A ¹	3-5 3-10 3-6	75-125 75-250 75-150	329 238 263	FROM 10/02/12 UNTIL MTG. FALL 2019
INS OF IE JOB AS 100 CUBIC				SSC(12)-04	PRIMER INTERM TOPCOAT	CARBOLINE COMPANY CARBOZINC® 859 ORGANIC ZINC RICH EPOXY PRIMER CARBOGUARD® 893 EPOXY INTERMEDIATE CARBOTHANE 133 VOC ALIPHATIC POLYURETHANE	B ¹	3-10 3-6 3-5	75-250 75-150 76-127	322 207 185 es	FROM 04/14/14 UNTIL MTG. SPRING 2021
SHALL BE ACING OF ITITY OF				SSC(15)-07	FOOTNOTE PRIMER INTERM TOPCOAT FOOTNOTE	6 MILS MAX DFT, 4 DAYS MIN CURE, 10% VOL MAX THIN SHERWIN WILLIAMS COMPANY ZINC CLAD® 4100 ORGANIC ZINC RICH EPOXY PRIMER MACROPOXY® 646 FAST CURE EPOXY HI-SOLIDS POLYURETHANE 250 5 MILS MAX DFT, 72 HOURS MIN CURE, 5% MAX THINNE	B1	3-5 3-10 3-4	75-125 75-250 75-100	319 265 234 es	FROM 10/03/17 UNTIL MTG. FALL 2021
						2-COAT SYSTEM TESTED AND ACCEPTED					
				NEPCOAT L		GANIC ZINC RICH PRIMER / / TOPCOAT					
				SSC(18)-03		SHERWIN WILLIAMS COMPANY					FROM
					PRIMER INTERM TOPCOAT FOOTNOTE	ZINC CLAD® 4100 ORGANIC ZINC RICH EPOXY PRIMER SHER-LOXANE 800 POLYSILOXANE 5 MILS MAX DFT, 72 HOURS MIN CURE, 5% THINNER	B ¹	3-5 4-6	75-125 100-150	318 122	04/02/19 UNTIL MTG. SPRING 2023
				<u>NEPCOAT L</u>	П	RGANIC ZINC RICH PRIMER / / TOPCOAT					
				SSC(18)-02	*	SHERWIN WILLIAMS COMPANY					FROM
				223(10)-02	PRIMER INTERM TOPCOAT	ZINC CLAD® II PLUS INORGANIC ZINC RICH EPOXY SHER-LOXANE 800 POLYSILOXANE	B ¹	2-4 4-6	50-100 100-150	325 119	04/02/19 UNTIL MTG. SPRING 2023
			PNT-2.	STIFFNERS POSTS, SH	IPERSTRUCTU 8, BOLTS, WASI	5 MILS MAX DFT, 72 HOURS MIN CURE, 5% THINNER RE, INCLUDING GIRDERS, DIAPHRAGMS, ANGLES, HERS, NUTS, ETC., ALSO INCLUDING BRIDGE RAIL MATCHED TO SHERWIN-WILLIAMS SW 4071 "RAIN					
			PNT-3.			EACH TEIR OF RAIL, TERMINATION CAPS, AND SPLICE OR MATCHED TO SHERWIN-WILLIAMS SW 4033 "BRASS".					

SYSTEM NO.			COEF CLASS	MIL	MIN/MAX) MICRON	TESTED g/L	ACCEPTE DATES
		3-COAT SYSTEM TESTED AND ACCEPTED					
NEPCOAT L		GANIC ZINC RICH PRIMER / EPOXY OR URETHANE INTER	MEDIATE	E / ALIPH/	ATIC URETHAN	NE FINISH	
SSC(12)-03	PRIMER INTERM TOPCOAT FOOTNOTE	CARBOLINE COMPANY CARBOZINC [®] 11 HS INORGANIC ZINC PRIMER CARBOGUARD [®] 893 EPOXY INTERMEDIATE CARBOTHANE 133 LV ALIPHATIC POLYURETHANE 6 MILS MAX DFT, 19 HRS MIN CURE, 12% MAX THINNER	B ¹	2-6 3-6 3-5	50-150 75-150 50-125	267 198 245	FROM 04/14/1 UNTIL M SPRING 2
SSC(17)-03	* PRIMER INTERM TOPCOAT FOOTNOTE	INTERNATIONAL PAINT INC INTERZINC [®] 22HS INORGANIC ZINC RICH INTERGARD 475HS EPOXY INTERTHANE [®] 870 UHS POLYURETHANE 5 MILS MAX DFT, 24 HOURS MIN CURE, ZERO THINNER	B1	2.5-3 4-8 3-5	62-75 100-200 75-125	311 188 257 es	FROM 04/02/1 UNTIL M SPRING 2
<u>NEPCOAT L</u>	<u>.ist</u> B . <u>orc</u>	GANIC ZINC RICH PRIMER / EPOXY OR URETHANE INTERM	<u>1EDIATE</u>	<u>/ ALIPHA</u>	TIC URETHANI	<u>E FINISH</u>	
SSC(10)-05	PRIMER INTERM TOPCOAT FOOTNOTE	WASSER HIGH TECH COATINGS MC-ZINC 100 MC-MIOMASTIC 100 MC-FERROX A 100 NO DATAREPORTED	Ø NO REPORT	3-5 3-5 2-4	75-125 75-125 50-100	115 es 173 es 144 es	FROM 04/03/1 UNTIL M ⁻ FALL 20
SSC(11)-01	PRIMER INTERM TOPCOAT FOOTNOTE	SHERWIN WILLIAMS COMPANY ZINC CLAD® III HS ORGANIC ZINC RICH EPOXY PRIMER STEEL SPEC EPOXY INTERMEDIATE HI-SOLIDS POLYURETHANE 5 MILS MAX DFT, 7 DAYS MIN CURE, ZERO THINNER	A ¹	3-5 3-8 3-5	75-125 75-200 75-125	337 293 288	FROM 10/02/1 UNTIL M ⁻ FALL 20
SSC(11)-02	PRIMER INTERM TOPCOAT FOOTNOTE	INTERNATIONAL PAINT INC INTERZINC® 315B EPOXY ZINC RICH INTERGARD 475HS EPOXY INTERTHANE® 870 UHS 4 MILS MAX DFT, 48 HOURS MIN CURE, ZERO THINNER	B ¹	2-6 4-8 3-5	50-150 100-200 75-125	304 187 242 es	FROM 10/02/1 UNTIL M ⁻ FALL 20
SSC(04)-03 SSC(11)-03		SHERWIN WILLIAMS COMPANY ZINC CLAD® III HS ORGANIC ZINC RICH EPOXY PRIMER MACROPOXY® 646 FAST CURE EPOXY ACROLON™ 218 HS ACRYLIC POLYURETHANE 5 MILS MAX DFT, 7 DAYS MIN CURE, ZERO THINNER	A ¹	3-5 3-10 3-6	75-125 75-250 75-150	329 238 263	FROM 10/02/1 UNTIL M ⁻ FALL 20
SSC(12)-04	PRIMER INTERM TOPCOAT FOOTNOTE	CARBOLINE COMPANY CARBOZINC® 859 ORGANIC ZINC RICH EPOXY PRIMER CARBOGUARD® 893 EPOXY INTERMEDIATE CARBOTHANE 133 VOC ALIPHATIC POLYURETHANE 6 MILS MAX DFT, 4 DAYS MIN CURE, 10% VOL MAX THIN	B ¹	3-10 3-6 3-5	75-250 75-150 76-127	322 207 185 es	FROM 04/14/1 UNTIL M SPRING 2
SSC(15)-07	PRIMER INTERM TOPCOAT FOOTNOTE	SHERWIN WILLIAMS COMPANY ZINC CLAD® 4100 ORGANIC ZINC RICH EPOXY PRIMER MACROPOXY® 646 FAST CURE EPOXY HI-SOLIDS POLYURETHANE 250 5 MILS MAX DFT, 72 HOURS MIN CURE, 5% MAX THINNE	B ¹	3-5 3-10 3-4	75-125 75-250 75-100	319 265 234 es	FROM 10/03/1 UNTIL M ⁻ FALL 20
		2-COAT SYSTEM TESTED AND ACCEPTED					
NEPCOAT L	<u>.ist</u> C - <u>orc</u>	GANIC ZINC RICH PRIMER / / TOPCOAT					
SSC(18)-03	PRIMER INTERM	SHERWIN WILLIAMS COMPANY ZINC CLAD® 4100 ORGANIC ZINC RICH EPOXY PRIMER	B ¹	3-5	75-125	318	FROM 04/02/1 UNTIL M
	TOPCOAT FOOTNOTE	SHER-LOXANE 800 POLYSILOXANE 5 MILS MAX DFT, 72 HOURS MIN CURE, 5% THINNER		4-6	100-150	122	SPRING 2
<u>NEPCOAT L</u>		RGANIC ZINC RICH PRIMER / / TOPCOAT					
SSC(18)-02	* PRIMER INTERM	SHERWIN WILLIAMS COMPANY ZINC CLAD® II PLUS INORGANIC ZINC RICH EPOXY 	B ¹	2-4	50-100 	325	FROM 04/02/1 UNTIL M
	TOPCOAT FOOTNOTE	SHER-LOXANE 800 POLYSILOXANE 5 MILS MAX DFT, 72 HOURS MIN CURE, 5% THINNER		4-6	100-150	119	SPRING 2
STIFFNERS	, BOLTS, WASI	RE, INCLUDING GIRDERS, DIAPHRAGMS, ANGLES, HERS, NUTS, ETC., ALSO INCLUDING BRIDGE RAIL & MATCHED TO SHERWIN-WILLIAMS SW 4071 "RAIN					

		PROJECT
		VIEW ROAD BRIDGE
	STA	TE OF MAINE
		LOCATION
	@ AI	EVIEW ROAD LDER BROOK IVILLE, ME 04414
	4	OORDINATES 15°08'56.72''N 9°06'52.13'' W
		CLIENT
	onsei	ature @
14		STREET, SUITE 401 WICK, ME 04011
31 CO	I Deputitive	
SKO	WHEGAN, M A Gol	E 04976 F: 978.462.5822 www.wpa-design.com d Standard Company
	ENGINE	ER'S CERTIFICATION
	111111	STEVEN C.
	* PRO	No. 13428
	V	19MAR24
PRC)JECT NO	: 103-23
DRA	AWN BY:	JJC
СНЕ	CKED BY	: SCG
	SU	BMITTALS
REV.	DATE	DESCRIPTION
1 0 A	19MAR24 09JAN24 10NOV23	ISSUED FOR PERMITTING ISSUED FOR PERMITTING 75% REVIEW SET
		IT IS THE CREATION, DESIGN,
I WEN	PROPERTY AN TWORTH PAR	ND COPYRIGHTED WORK OF TNERS & ASSOCIATES INC. ANY
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PUI AUTI	RPOSES OF C HORIZED REG	ONDUCTING THEIR LAWFULLY ULATORY AND ADMINISTRATIVE S SPECIFICALLY ALLOWED.
		PROJECT TYPE
		ASHTO 25 RATED
		RIDGE
	STF	RUCTURE
		SHEET TITLE
	GENE	RAL NOTES
		RAL NOTES

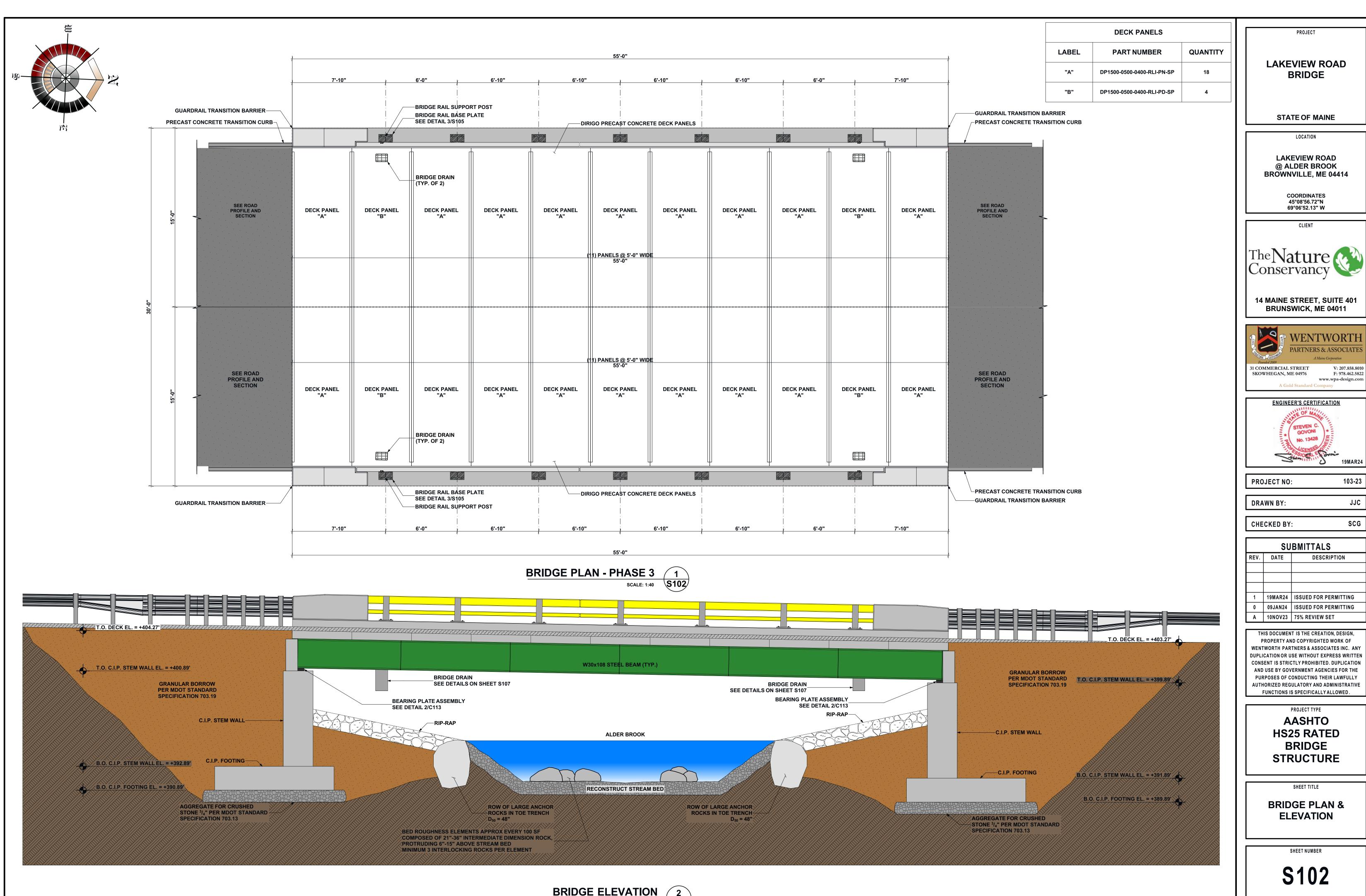




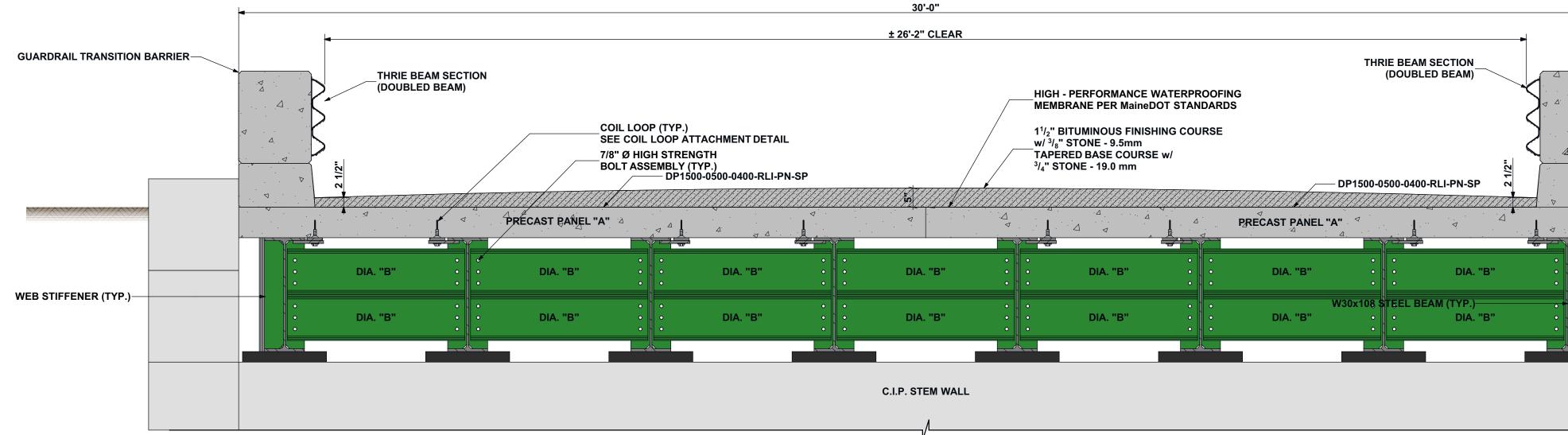


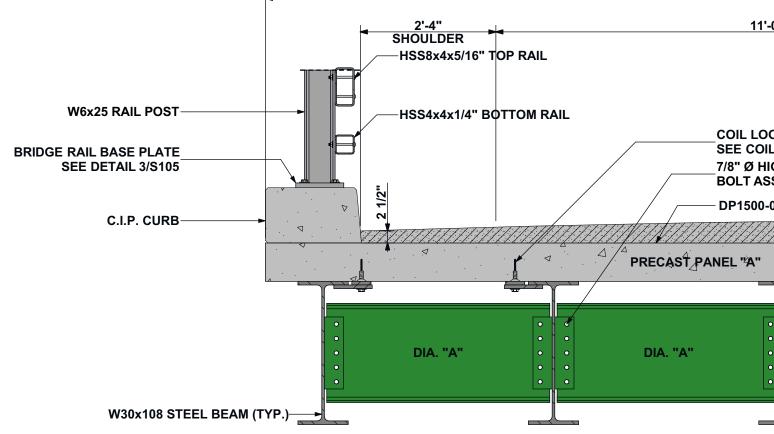
LAKEVIEW ROAD BRIDGE	
STATE OF MAINE	
LOCATION	٦
LAKEVIEW ROAD @ ALDER BROOK BROWNVILLE, ME 04414	
COORDINATES 45°08'56.72"N 69°06'52.13" W	
CLIENT	
The Nature Conservancy	
14 MAINE STREET, SUITE 401 BRUNSWICK, ME 04011	
WENTWORTH PARTNERS & ASSOCIATE AMaine Corporation 31 COMMERCIAL STREET SKOWHEGAN, ME 04976 SKOWHEGAN, ME 04976 C Standard Company	ES 010 322
ENGINEER'S CERTIFICATION	٦
STEVEN C. GOVONI No. 13428	24
PROJECT NO: 103-2	3
DRAWN BY: JJ	
CHECKED BY: SCO	
CHECKED BY: SCO SUBMITTALS	
SUBMITTALS	
SUBMITTALS REV. DATE	
SUBMITTALS	
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SUBMITTALS REV. DATE DESCRIPTION 1 19MAR24 ISSUED FOR PERMITTING 0 09JAN24 ISSUED FOR PERMITTING A 10NOV23 75% REVIEW SET THIS DOCUMENT IS THE CREATION, DESIGN, PROPERTY AND COPYRIGHTED WORK OF WENTWORTH PARTNERS & ASSOCIATES INC. AN DUPLICATION OR USE WITHOUT EXPRESS WRITTE CONSENT IS STRICTLY PROHIBITED. DUPLICATIO AND USE BY GOVERNMENT AGENCIES FOR THE PURPOSES OF CONDUCTING THEIR LAWFULLY AUTHORIZED REGULATORY AND ADMINISTRATIVE	G Y N
SUBMITTALS REV. DATE DESCRIPTION 1 19MAR24 ISSUED FOR PERMITTING 0 09JAN24 ISSUED FOR PERMITTING A 10NOV23 75% REVIEW SET THIS DOCUMENT IS THE CREATION, DESIGN, PROPERTY AND COPYRIGHTED WORK OF WENTWORTH PARTNERS & ASSOCIATES INC. AN DUPLICATION OR USE WITHOUT EXPRESS WRITTE CONSENT IS STRICTLY PROHIBITED. DUPLICATIO AND USE BY GOVERNMENT AGENCIES FOR THE PURPOSES OF CONDUCTING THEIR LAWFULLY AAASHTO PROJECT TYPE AASHTO BRIDGE	G Y N
SUBMITTALS REV. DATE DESCRIPTION 1 19MAR24 ISSUED FOR PERMITTING 0 09JAN24 ISSUED FOR PERMITTING A 10NOV23 75% REVIEW SET THIS DOCUMENT IS THE CREATION, DESIGN, PROPERTY AND COPYRIGHTED WORK OF WENTWORTH PARTNERS & ASSOCIATES INC. AN DUPLICATION OR USE WITHOUT EXPRESS WRITTE CONSENT IS STRICTLY PROHIBITED. DUPLICATIO AND USE BY GOVERNMENT AGENCIES FOR THE PURPOSES OF CONDUCTING THEIR LAWFULLY AUTHORIZED REGULATORY AND ADMINISTRATIVE FUNCTIONS IS SPECIFICALLY ALLOWED. PROJECT TYPE AAASHTO HS25 RATED BRIDGE STRUCTURE	G Y E E
SUBMITTALS REV. DATE DESCRIPTION 1 19MAR24 ISSUED FOR PERMITTING 0 09JAN24 ISSUED FOR PERMITTING 1 19MAR24 ISSUED FOR PERMITTING 0 09JAN24 ISSUED FOR PERMITTING 1 10NOV23 75% REVIEW SET THIS DOCUMENT IS THE CREATION, DESIGN, PROPERTY AND COPYRIGHTED WORK OF WENTWORTH PARTNERS & ASSOCIATES INC. AN DUPLICATION OR USE WITHOUT EXPRESS WRITTE CONSENT IS STRICTLY PROHIBITED. DUPLICATIO AND USE BY GOVERNMENT AGENCIES FOR THE PURPOSES OF CONDUCTING THEIR LAWFULLY AUTHORIZED REGULATORY AND ADMINISTRATIVE FOJECT TYPE AGASHTO BRIDGE STRUCTURE SHEET TITLE	G Y E E

PROJEC

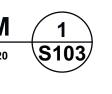








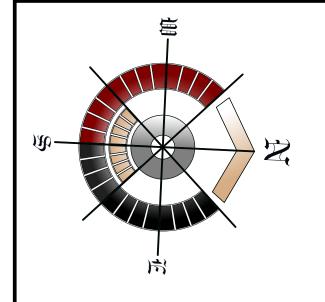
SECTION @ END OF BRIDGE DIAPHRAGM 1 SCALE: 1:20

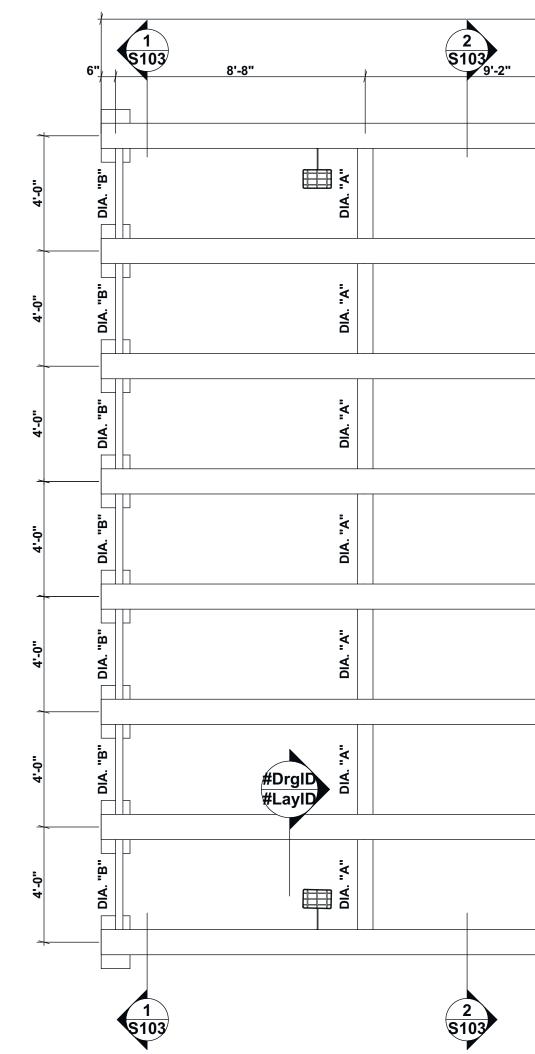


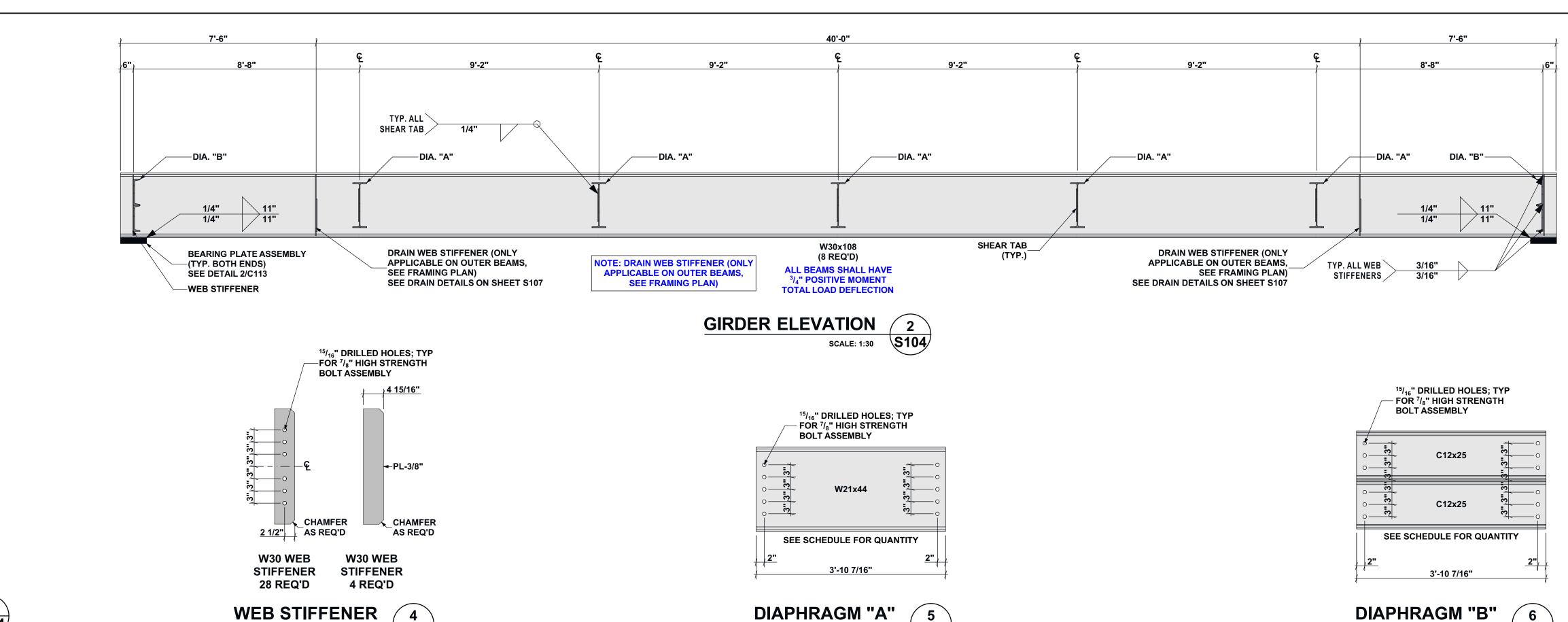
30'-0" (OVERALL PANEL LENGTH) 11'-0" TRAVEL LANE 11'-0" TRAVEL LANE 2'-4" SHOULDER HSS8x4x5/16" TOP RAIL— HIGH - PERFORMANCE WATERPROOFING MEMBRANE PER MaineDOT STANDARDS HSS4x4x1/4" BOTTOM RAIL— 1¹/₄" BITUMINOUS FINISHING COURSE w/ ³/₈" STONE - 9.5mm TAPERED BASE COURSE w/ ³/₄" STONE - 19.0 mm __COIL LOOP (TYP.) SEE COIL LOOP ATTACHMENT DETAIL 7/8" Ø HIGH STRENGTH BOLT ASSEMBLY (TYP.) - DP1500-0500-0400-RLI-PN-SP - DP1500-0500-0400-RLI-PN-SP /] $\mathbf{PREC}_{\mathbf{A}}^{\forall} \mathbf{PANEL} \mathbf{"A"}$ · \ \ \triangleleft Ą. × 4 SHEAR TAB (TYP.) • • • • DIA. "A" DIA. "A" DIA. "A" DIA. "A" DIA. "A" • • • __7/8" Ø HIGH STRENGTH BOLT ASSEMBLY (TYP.)

SECTION @ DIAPHRAGMS 2 SCALE: 1:20 2

	PROJECT LAKEVIEW ROAD BRIDGE
GUARDRAIL TRANSITION BARRIER	<section-header><section-header><text><text><text><text><text><text></text></text></text></text></text></text></section-header></section-header>
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W6x25 RAIL POST BRIDGE RAIL BASE PLATE SEE DETAIL 3/S105 C.I.P. CURB	DRAWN BY: JJC CHECKED BY: SCG SUBMITTALS REV. DATE DESCRIPTION DESCRIPTION 1 19MAR24 1 19MAR24 ISSUED FOR PERMITTING 0 09JAN24 ISSUED FOR PERMITTING A 10NOV23 75% REVIEW SET
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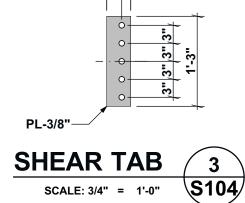






S104

SCALE: 3/4" = 1'-0"



∤ 4"∤ <u>2 1/2" | 1 1/2"</u>



	01 4 40/401		0.2/46"	01.0"	01.0"	ę
	8'-1 13/16"	<u>, 10</u> .	- <u>2 3/16"</u>	9'-2" y	8'-8"	
			W30x108	 		
"A"			Y			
DIA. "A"		DIA. "A"	DIA. "A"	DIA. "A"		
				-		
			W30x108			
"A"			DIA. "A"			
DIA. "A"		DIA. "A"	DIA.	DIA. "A"		
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DIA. "A"		DIA. "A"	DIA. "A"	DIA. "A"		
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DIA. "A"		DIA. "A"	DIA. "A"	DIA. "A"		
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			W30x108		<u> </u>	



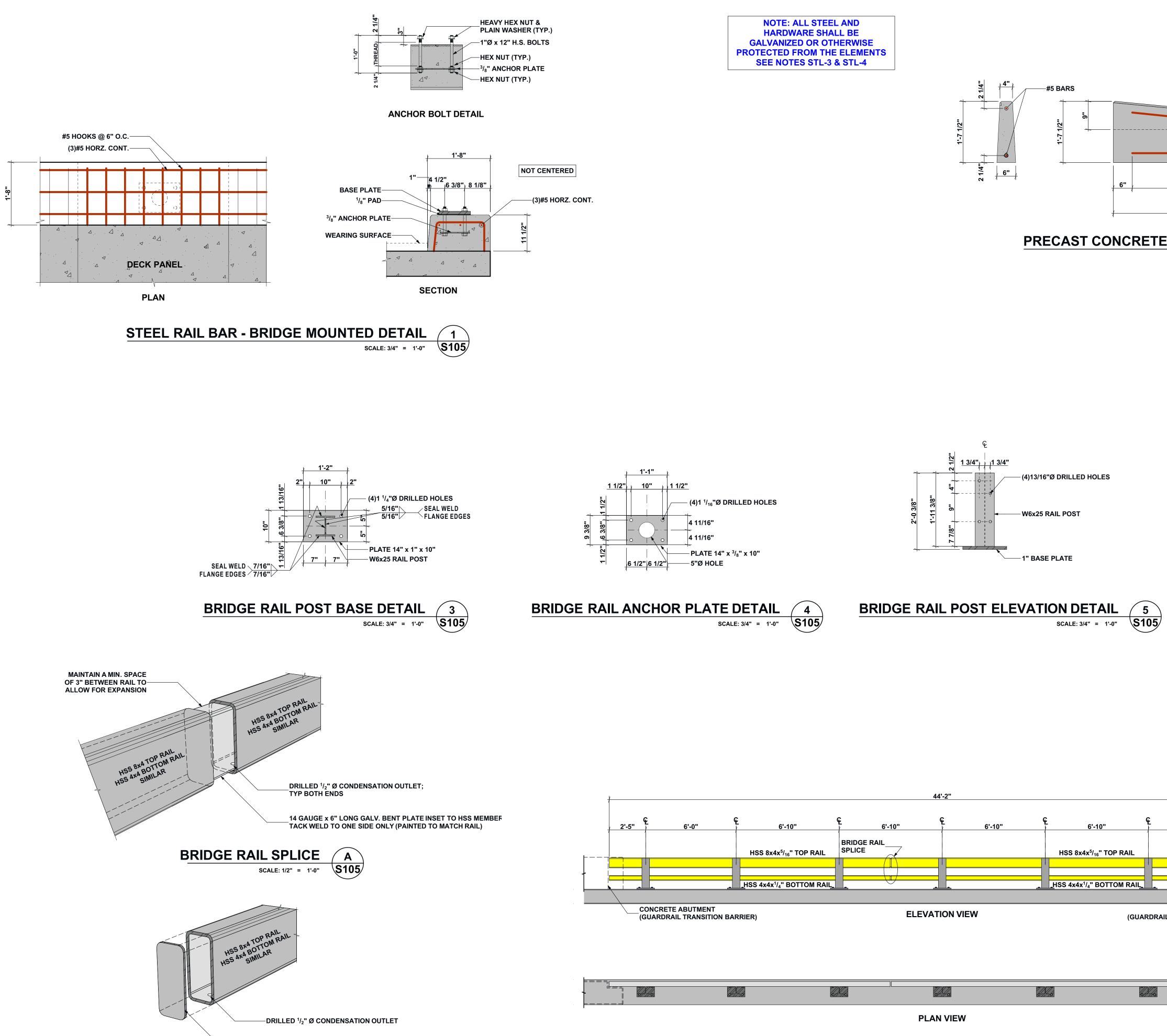
PROJECT
LAKEVIEW ROAD BRIDGE
STATE OF MAINE
LOCATION
LAKEVIEW ROAD @ ALDER BROOK BROWNVILLE, ME 04414
COORDINATES 45°08'56.72"N 69°06'52.13" W
CLIENT
The Nature
14 MAINE STREET, SUITE 401 BRUNSWICK, ME 04011
WENTWORTH PARTNERS & ASSOCIATES Amine Corporation Stock Y: 207.858.8010 Skowhegan, ME 04976 Y: 978.462.5822 www.wpa-design.com A Gold Standard Company
ENGINEER'S CERTIFICATION
STEVEN C. GOVONI No. 13428 SOCIAL FORMATION 19MAR24
PROJECT NO: 103-23
DRAWN BY: JJC
CHECKED BY: SCG
SUBMITTALS
REV. DATE DESCRIPTION
119MAR24ISSUED FOR PERMITTING009JAN24ISSUED FOR PERMITTING
A 10NOV23 75% REVIEW SET
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PROJECT TYPE AASHTO HS25 RATED BRIDGE STRUCTURE
SHEET TITLE BRIDGE FRAMING PLAN & GIRDER DETAILS
SHEET NUMBER
S104

NOTE: ALL STEEL AND HARDWARE SHALL BE GALVANIZED OR OTHERWISE PROTECTED FROM THE ELEMENTS SEE NOTES STL-3 & STL-4

DIAP	HRAGM SCHEI	DULE
MARK	SHAPE	QUANTITY
DIA. "A"	W21x44	35
DIA. "B"	C12x25	28

S104

SCALE: 3/4" = 1'-0"



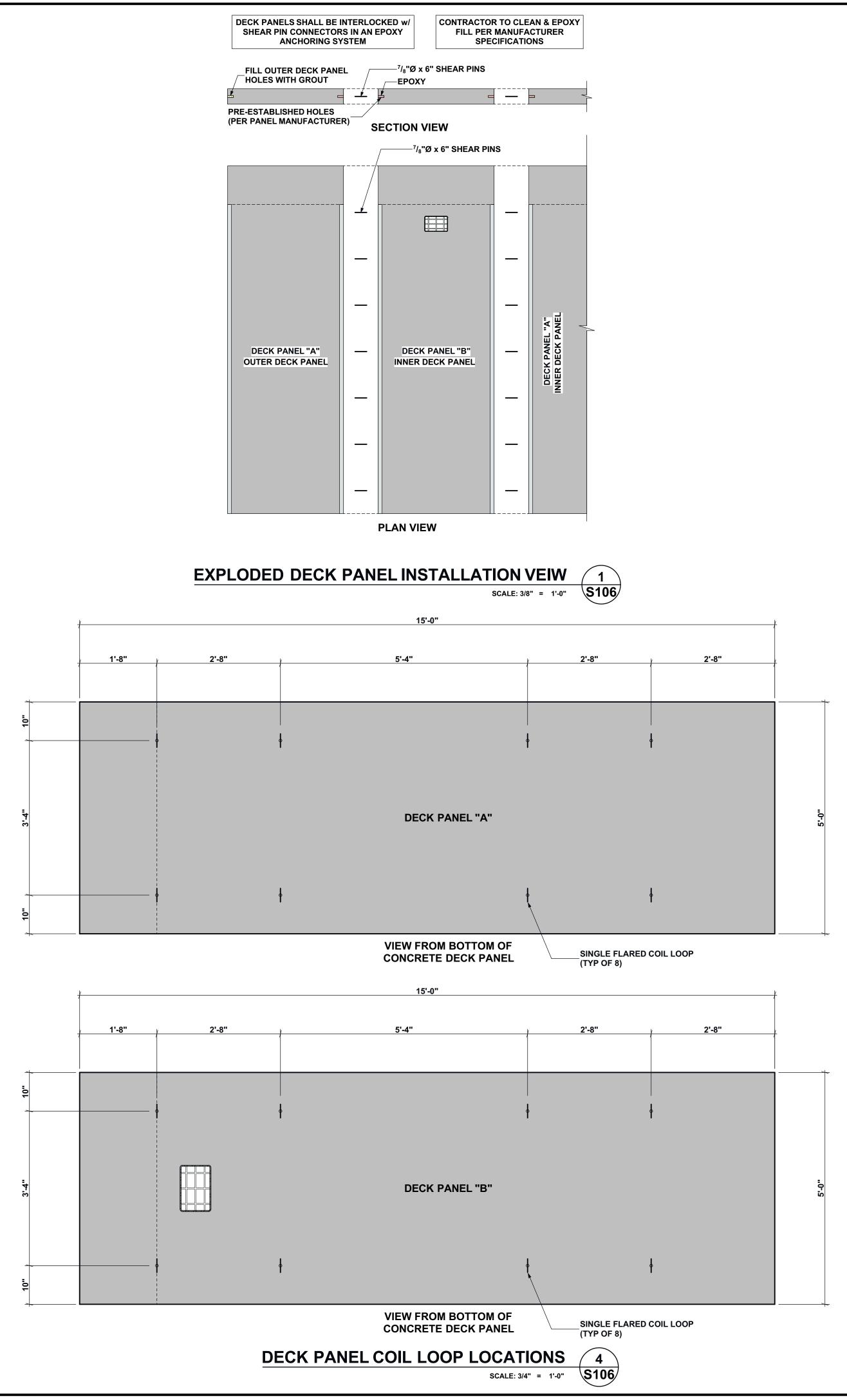
¹/₄" A36 PLATE COVER; ¹/₈" WELD, SANDED ALL AROUND

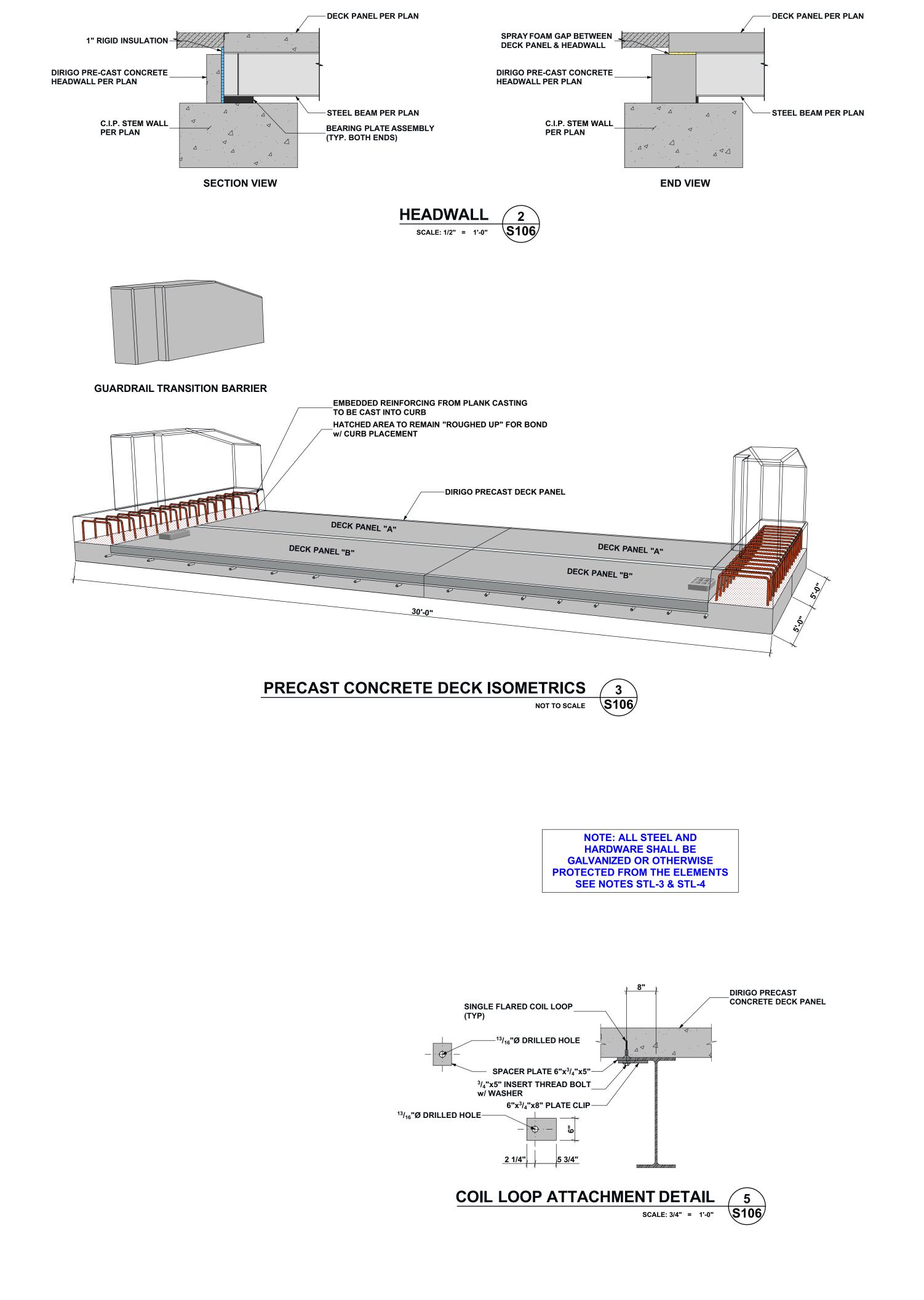
BRIDGE RAIL TERMINATION B SCALE: 1/2" = 1'-0" \$105

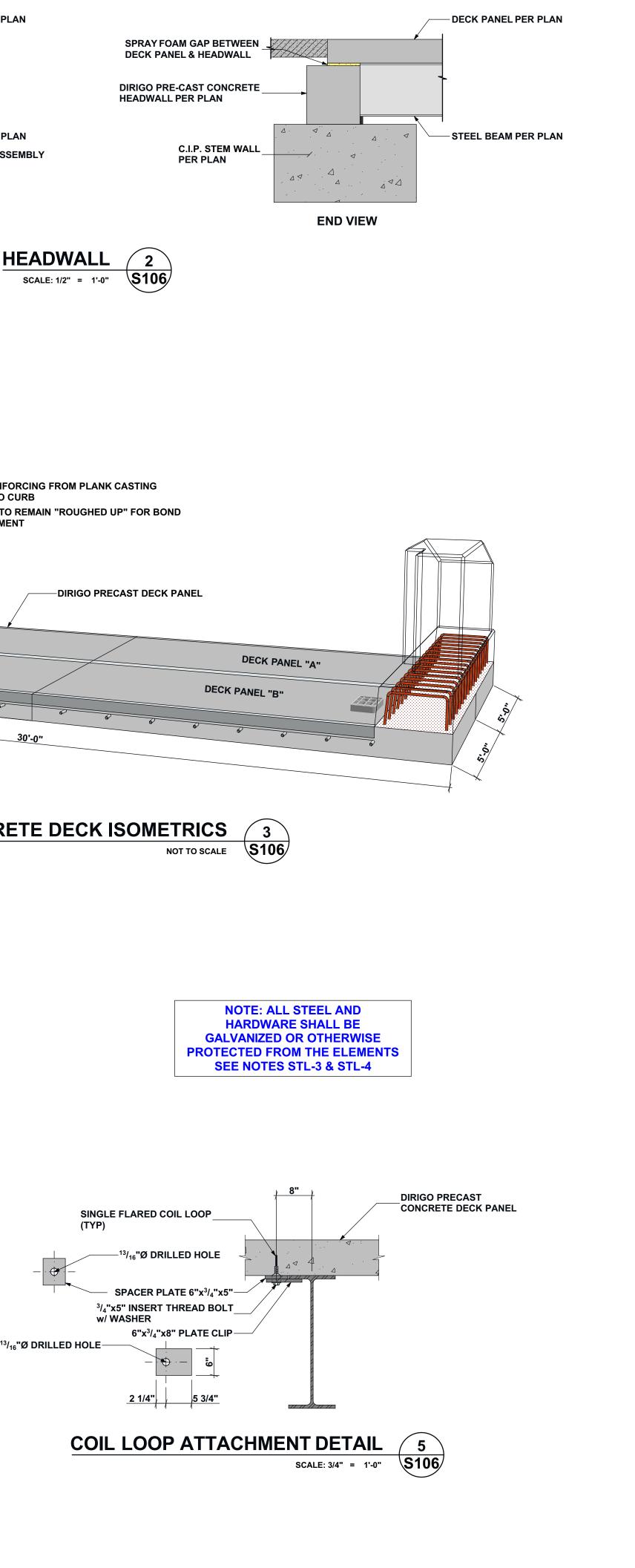


'		PLAN VIEW		
	BRIDG	E RAIL LAYOUT	6	

	PROJECT LAKEVIEW ROAD BRIDGE
GUTTER LINE	STATE OF MAINE
6'-4"	LAKEVIEW ROAD @ ALDER BROOK BROWNVILLE, ME 04414
7'-0"	COORDINATES 45°08'56.72"N 69°06'52.13" W
E TRANSITION CURB 2 SCALE: 3/4" = 1'-0" \$105	CLIENT
	The Nature
	14 MAINE STREET, SUITE 401 BRUNSWICK, ME 04011
	WENTWORTH PARTNERS & ASSOCIATES During Corporation St COMMERCIAL STREET Y: 207.858.8010 SKOWHEGAN, ME 04976 Y: 978.462.5822 www.wpa-design.com A Gold Standard Company
	ENGINEER'S CERTIFICATION
	PROJECT NO: 103-23
N	DRAWN BY: JJC
	CHECKED BY: SCG
	SUBMITTALS
	REV. DATE DESCRIPTION
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	009JAN24ISSUED FOR PERMITTINGA10NOV2375% REVIEW SET
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CONCRETE ABUTMENT RAIL TRANSITION BARRIER)	PROJECT TYPE AASHTO HS25 RATED BRIDGE STRUCTURE
	SHEET TITLE
	BRIDGE RAIL DETAILS
	SHEET NUMBER
	S105

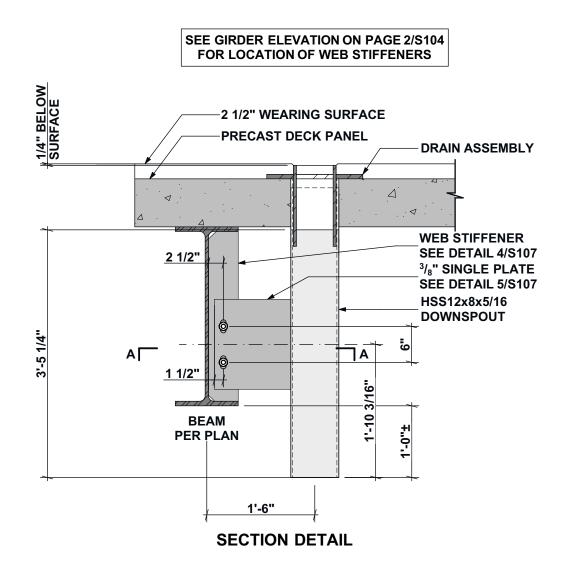


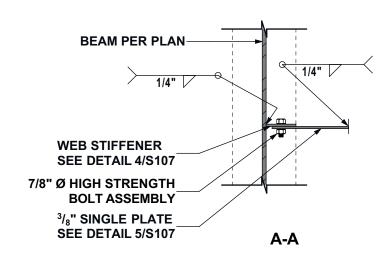






PROJECT
LAKEVIEW ROAD BRIDGE
STATE OF MAINE
LOCATION
LAKEVIEW ROAD @ ALDER BROOK BROWNVILLE, ME 04414
COORDINATES 45°08'56.72"N 69°06'52.13" W
CLIENT
The Nature
14 MAINE STREET, SUITE 401 BRUNSWICK, ME 04011
WENTWORTH PARTNERS & ASSOCIATES A Maine Corporation 31 COMMERCIAL STREET SKOWHEGAN, ME 04976 31 COMMERCIAL STREET SKOWHEGAN, ME 0400 31 COMMERCIAL STREET SKOWHEGAN, ME 0400 31 COMMERCIAL STREET SKOWHEGAN, ME 0400 31 COMMERCIAL STREET SKOWHEGAN, ME 0400 31 COMMERCIAL STREET SKOWHEGAN
ENGINEER'S CERTIFICATION
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STEVEN C.
No. 13428
SSIOCAL Corni-
JIMAR24
PROJECT NO: 103-23
DRAWN BY: JJC
CHECKED BY: SCG
SUBMITTALS
REV. DATE DESCRIPTION
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