

STRUCTURAL NOTES

GENERAL NOTES

- ALL DIMENSIONS SHALL BE VERIFIED IN FIELD BY CONTRACTOR WITH ALL DISCREPANCIES REPORTED TO THE ENGINEER.
- DO NOT CHANGE SIZE NOR SPACING OF STRUCTURAL ELEMENTS.
- DETAILS SHOWN ARE TYPICAL; SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.
- THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.
- BRACE BUILDING UNTIL ALL STRUCTURAL ELEMENTS NEEDED FOR STABILITY ARE INSTALLED. THESE ELEMENTS ARE AS FOLLOWS: ROOF TRUSSES, JOISTS AND PLYWOOD DECK, PRECAST PLANKS, LOAD BEARING WALLS, AND COLUMNS.
- CONTRACTOR SHALL CALL DIG-SAFE UTILITY LOCATION TO DETERMINE EXACT LOCATION OF EXISTING UTILITIES, IF ANY, BEFORE COMMENCING WORK. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE UNDERGROUND UTILITIES.
- INCORRECTLY FABRICATED, DAMAGED, OR OTHERWISE MISFITTING OR NONCONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE ENGINEER PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH ACTION SHALL REQUIRE APPROVAL BY THE ENGINEER OF RECORD.
- EACH CONTRACTOR SHALL COOPERATE WITH THE OWNER'S REPRESENTATIVE, AND COORDINATE HIS WORK WITH THE WORK OF OTHERS.
- COORDINATE THIS WORK WITH ELECTRICAL, PLUMBING & HVAC WORK DESIGNED BY OTHERS.
- THE OWNER SHALL BE RESPONSIBLE FOR OBTAINING ANY AND ALL REQUIRED PERMITS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- COORDINATE THESE DRAWINGS WITH ARCHITECTURAL, MECHANICAL AND FIRE PROTECTION DRAWINGS BY OTHERS.

DESIGN DATA

STRUCTURAL DESIGN HAS BEEN PERFORMED IN ACCORDANCE WITH THE FOLLOWING CODES AND STANDARDS:

- 2025 BUILDING CODE OF N.Y.S.
- ACI 530-05, 530.1-05, BUILDING CODE REQUIREMENTS AND SPECIFICATION FOR MASONRY STRUCTURES
- ACI 318-05, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
- AISC, STEEL CONSTRUCTION MANUAL, 13TH ED.

1. LIVE LOADS

PRECAST PLANKS: AASHTO H-20 TRUCK LOADING

2. DEAD LOADS

PRECAST PLANKS: SELF WEIGHT(CONCRETE) = 150 LBS/CF (@ 1 FT THICK) = 150 LBS/ SQ FT
ASPHALT = 145 LBS/CF (@ 3" THICK) = 37 LBS/SQ FT

3. WINDS LOADS: 115 MPH WIND LOAD PER ASCE-7

4. SOIL BEARING:

MAXIMUM NET ALLOWABLE BEARING PRESSURE IS ASSUMED TO BE 2,500 PSF. ANY NON-CONFORMING OR UNUSUAL SUB-SURFACE SITE CONDITIONS SHOULD BE REPORTED TO THE ENGINEER PRIOR TO CONSTRUCTION FOR INSPECTION AND EVALUATION.

CONCRETE CONSTRUCTION

- ALL CONCRETE CONSTRUCTION SHALL CONFORM TO ACI-301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" AND ASSOCIATED ACI SPECIFICATIONS. COLD WEATHER CONCRETE SHALL CONFORM TO ACI RECOMMENDED PROCEDURES FOR COLD WEATHER CONCRETING.
- ALL STRUCTURAL CONCRETE SHALL HAVE THE FOLLOWING MINIMUM FIELD CURED, 28 DAY COMPRESSIVE STRENGTH:

FOOTINGS, FOUNDATIONS & WALLS: 4,000 PSI
ELEVATED CONCRETE SLABS: 3,500 PSI
SLABS ON GRADE: 3,500 PSI
MISC. CONC., SIDEWALKS & STEPS 3,000 PSI

- CONCRETE MIX DESIGNS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL MINIMUM SEVEN (7) DAYS PRIOR TO SCHEDULED USE.
- CONCRETE MIX DESIGN SHALL HAVE AN UPPER WATER/CEMENT RATIO NOT TO EXCEED 0.45.
- ALL CONCRETE EXPOSED TO WEATHER SHALL HAVE A ENTRAINED AIR CONTENT OF 4%-6% (MIN-MAX.)
- REINFORCING FOR CONCRETE SHALL BE DEFORMED STEEL BARS IN ACCORDANCE WITH ASTM SPECIFICATION A-615, GRADE 60. LAYOUT AND SPACING OF REINFORCING SHALL BE AS SHOWN ON THE PLANS. WELDING OF REINFORCING BARS SHALL NOT BE PERMITTED.
- REINFORCING FOR CONCRETE SLABS SHALL BE WELDED WIRE FABRIC (WWF) IN ACCORDANCE WITH ASTM SPECIFICATIONS A-185. WWF SHALL BE INSTALLED IN THE TOP HALF OF ALL SLABS ON GRADE AND AS SHOWN IN THE DRAWINGS FOR ALL ELEVATED SLABS. PROVIDE STEEL CHAIRS FOR WWF TO MAINTAIN PROPER ELEVATION.
- DO NOT CHANGE LOCATION, SPACING OR SIZE OF REINFORCING STEEL WITHOUT WRITTEN APPROVAL OF THE ENGINEER.
- CUT-IN CONTROL JOINTS IN THE SLAB-ON-GRADE SHALL BE PROVIDED AS INDICATED. SAW-CUT CONTROL JOINTS WITHIN 12 HOURS AFTER FINISHING. BEGIN CUTTING AS SOON AS CONCRETE HAS HARDENED SUFFICIENTLY TO PREVENT AGGREGATES BEING DISLODGED BY SAW. USE SAW WITH 1/8" KERF, CUT 1.25" INTO SLAB, MINIMUM.
- PROVIDE CORNER REINFORCING BARS AT ALL INTERIOR AND EXTERIOR CORNERS TO MATCH HORIZONTAL REINF. SIZE AND SPACING. LAP ALL CORNER BARS 40 X BAR DIAMETER OR MINIMUM OF 20" AND TIE WITH WIRE TIES.
- CONFORM TO ACI REQUIREMENTS FOR COLD WEATHER CONCRETE WORK AT ALL TIMES. PROTECT FRESH CONCRETE FROM FREEZING WITH INSULATING BLANKETS AS NEEDED.

FOUNDATION NOTES

- SUBGRADE PREPARATION: THE SUBGRADE SHALL BE PROOF-ROLLED WITH A 2-TON DYNAMIC PLATE COMPACTOR. A QUALIFIED ENGINEER SHOULD OBSERVE THE PROOF ROLLING AND PROBE THE INSITU FILL TO DETERMINE IF IT CAN BE LEFT IN PLACE. ANY SOFT SPOTS SHALL BE EXCAVATED AND FILLED WITH CONTROLLED FILL. CONTROLLED FILL SHALL BE PLACED IN LOOSE LIFTS NOT TO EXCEED 12" IN THICKNESS. THE LOOSE FILL SHALL BE COMPACTED TO 95% OF ASTM D-1557-91 DENSITY, MODIFIED PROCTOR. ANY QUESTIONABLE FILL AREAS SHALL BE REMOVED AND REPLACED WITH CONTROLLED FILL AS DIRECTED BY THE ENGINEER. AREAS OF EXPOSED BEDROCK SHALL NOT REQUIRE PROOF ROLLING.
- CONTRACTOR SHALL HIRE AN THIRD PARTY INDEPENDENT MATERIALS TESTING COMPANY TO PERFORM FIELD SOIL COMPACTION TESTS TO VERIFY COMPACTION OF ANY AND ALL FILL MATERIAL. PROVIDE COPIES OF ALL TEST RESULTS TO THE ENGINEER FOR REVIEW.
- NORMAL WEIGHT CONTROLLED FILL SHALL BE CLEAN, GRANULAR MATERIAL THAT SHALL BE APPROVED BY THE ARCHITECT/ENGINEER. ALL CONTROLLED FILL MATERIAL SHALL BE FREE OF ORGANIC AND/OR FROZEN MATERIAL.
- BEAR ALL FOOTINGS AT EXTERIOR WALLS A MINIMUM OF 4 FEET BELOW GRADE. INTERIOR FOOTING SHALL BE MINIMUM 2'0" BELOW FINAL GRADE.
- SOIL BEARING SURFACES, PREVIOUSLY ACCEPTED BY THE ENGINEER, WHICH ARE ALLOWED TO BECOME SATURATED, FROZEN, OR DISTURBED SHALL BE REWORKED TO SATISFACTION OF THE ENGINEER.
- DO NOT PLACE FOOTINGS IN WATER OR ON FROZEN GROUND. FOOTINGS SHOULD NOT BE EXCAVATED UNTIL THE GROUNDWATER IS LOWERED BELOW THE BOTTOM OF THE EXCAVATION. THIS CAN BE VERIFIED BY INSTALLING GROUNDWATER OBSERVATION PIPES.
- DO NOT ALLOW GROUND BENEATH FOOTINGS TO FREEZE.
- CENTER FOOTINGS UNDER WALLS, PIERS, OR COLUMNS UNLESS NOTED OTHERWISE.
- VERIFY SIZE AND LOCATION OF OPENINGS IN FOUNDATION ELEMENTS PRIOR TO BEGINNING WORK.
- ANY NON-CONFORMING OR UNUSUAL SITE CONDITIONS SHOULD BE REPORTED TO THE ENGINEER FOR EVALUATION.

REINFORCING STEEL

- PROVIDE DETAILING, FABRICATION, AND INSTALLATION OF REINFORCING AND ACCESSORIES IN ACCORDANCE WITH ACI 315 AND ACI 318.
- PROVIDE NEW BILLET STEEL REINFORCING BARS IN ACCORDANCE WITH ASTM A 615.
- COORDINATE PLACEMENT OF CAST-IN-PLACE EMBEDS.
- PROVIDE CLASS "B" REINFORCEMENT SPLICES FOR CONTINUOUS REINFORCEMENT. PROVIDE STANDARD 90-DEGREE HOOKS IN ACCORDANCE WITH ACI 318, UNLESS NOTED OTHERWISE.
- MAINTAIN THE FOLLOWING CONCRETE COVERAGE FOR REINFORCING STEEL UNLESS NOTED OTHERWISE:

A. CONCRETE CAST AGAINST EARTH: 3 INCHES.

B. CONCRETE EXPOSED TO WEATHER: NO. 6 AND LARGER: 2 INCHES.
NO. 5 AND SMALLER: 1½ INCHES.

C. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH THE GROUND:

SLABS AND WALLS
NO. 14 AND NO. 18: 1½ INCHES.
NO. 11 AND SMALLER: ¾ INCHES.

- DO NOT WELD OR BEND REINFORCEMENT IN THE FIELD UNLESS SPECIFICALLY SHOWN OR APPROVED BY STRUCTURAL ENGINEER.
- WHEN SPECIFICALLY APPROVED, PROVIDE WELDED REINFORCEMENT IN ACCORDANCE WITH ASTM A 706 GRADE 60. USE LOW HYDROGEN ELECTRODES FOR WELDING OF REINFORCEMENT IN CONFORMANCE WITH "RECOMMENDED PRACTICES FOR WELDING REINFORCING STEEL," AMERICAN WELDING SOCIETY, AWS D12.1. PROVIDE ASTM GRADE 40 REINFORCING BARS WHERE DETAILED BARS ARE TO BE WELDED TO A STEEL SECTION.
- WHERE REQUIRED, PROVIDE DOWELS TO MATCH SIZE AND SPACING OF MAIN REINFORCING.
- PROVIDE CONTINUOUS HORIZONTAL WALL REINFORCEMENT WITH 90-DEGREE BENDS AND EXTENSIONS AT CORNERS AND INTERSECTIONS AS SHOWN ON TYPICAL BAR PLACEMENT DETAILS.
- ALL REINFORCEMENT SHALL BE SECURELY HELD IN PLACE WHILE PLACING CONCRETE. IF REQUIRED, ADDITIONAL BARS, STEEL CHAIRS OR STIRRUPS SHALL BE PROVIDED BY THE CONTRACTOR TO FURNISH SUPPORT AND POSITION FOR ALL BARS.
- ALL REINFORCEMENT BARS SHALL BE LAPPED AS SPECIFICALLY DETAILED ON THE DRAWINGS. SPlicing AND EMBEDMENTS SHALL BE IN ACCORDANCE WITH ACI 318. WHERE NOT SPECIFICALLY INDICATED ON PLANS, ALL REINFORCING BARS SHALL BE LAPPED USING THE MINIMUM TENSION SPLICE LENGTHS AS FOLLOWS:

#3 BARS: 16 INCHES
#4 BARS: 20 INCHES
#5 BARS: 25 INCHES
#6 BARS 30 INCHES

- THE CONTRACTOR SHALL PROVIDE THE PROJECT STRUCTURAL ENGINEER WITH A SET OF REINFORCEMENT SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO PURCHASE OR INSTALLATION OF ANY CONCRETE REINFORCEMENT. ONCE APPROVED, THE CONTRACTOR SHALL PROVIDE COPIES OF THESE FINAL DRAWINGS TO THE REINFORCING STEEL FABRICATOR AND ERECTOR FOR FIELD USE.

PRECAST CONCRETE PLANK

- DESIGN PRECAST CONCRETE PLANK SYSTEM FOR: LIVE AND DEAD LOADS SPECIFIED ON THIS SHEET.
DEFLECTION: L/360 OR ¼" TOTAL MAX
- COMPLETED SHOP AND ERECTION DRAWINGS SHALL BE SUBMITTED TO ENGINEER FOR APPROVAL.
- MANUFACTURER SHALL CONFORM TO GUIDELINES SET FORTH BY PCI MNL-116.
- ERECTOR SHALL CHECK BOTH LINE AND GRADE IN SUFFICIENT TIME BEFORE ERECTION IS SCHEDULED TO PERMIT ANY NECESSARY CORRECTIONS. CORRECTIONS, IF ANY SHALL BE MADE BY THE GENERAL CONTRACTOR BEFORE ERECTION BEGINS.
- ANY ERROR IN MANUFACTURING THAT PREVENTS PROPER CONNECTION OR FITTING SHALL BE IMMEDIATELY REPORTED TO NEW YORK PRECAST AND THE ENGINEER SO THAT CORRECTIVE ACTION MAY BE TAKEN.
- MATERIALS:
 - CONCRETE: 5000 PSI MIN 28 DAY STRENGTH
 - PORTLAND CEMENT: ASTM C150 TYPE 1
 - ADMIXTURES: CONFORM TO ASTM C494. NO CALCIUM CHLORIDE IN ANY ADMIXTURE.
 - AGGREGATE: ASTM C33 OR C330
 - WATER: POTABLE
 - STRAND: UNCOATED 4, 6 OR 8 WIRE, STRESS-RELIEVED ASTM A416- GRADE 250K OR 270K.
 - CEMENT GROUT: 1 PART PORTLAND CEMENT, 3 PARTS SAND, AND WATER.
 - BEARING PADS: 1/8" x 2" KOROLATH.
- FINISH: STANDARD UNDERSIDE: SMALL SURFACE HOLES CAUSED BY AIR BUBBLES NORMAL COLOR VARIATION, NORMAL FORM JOINT MARKS AND MINOR CHIPS WILL BE TOLERATED, BUT NO MAJOR OR UNSIGHTLY IMPERFECTIONS, HONEY COMB OR OTHER DEFECTS WILL BE PERMITTED.
- OPENINGS: NEW YORK PRECAST SHALL PROVIDE FOR THOSE OPENINGS 8 INCHES ROUND OR SQUARE OR LARGER AS SHOWN ON THE STRUCTURAL DRAWINGS.
- PATCHING WILL BE ACCEPTABLE PROVIDING THE STRUCTURAL ADEQUACY OF THE PRODUCT AND APPEARANCE ARE NOT IMPAIRED.
- ALIGNMENT: MEMBERS SHALL BE PROPERLY ALIGNED AND LEVELED AS REQUIRED BY THE APPROVED SHOP DRAWINGS. VARIATIONS BETWEEN ADJACENT MEMBERS SHALL BE REASONABLY LEVELED OUT BY JACKING, LOADING OR OTHER FEASIBLE METHODS UNTIL ACCEPTABLE BY THE ARCHITECT/ENGINEER.
- FINAL INSPECTION AND ACCEPTANCE OF THE ERECTED DYNASPAN PRECAST PRESTRESSED CONCRETE SHALL BE MADE BY THE ARCHITECT/ENGINEER TO VERIFY THE CONFORMANCE WITH PLANS AND SPECIFICATIONS.

ABBREVIATIONS

A.B.ANCHOR BOLT
A.O.B.E.AS ORDERED BY ENGINEER
B.P.BASE PLATE
COLCOLUMN(S)
CONCCONCRETE
doDITTO
ELEVELEVATION
E.O.EVERY OTHER
E.W.EACH WAY
EXEXISTING
EXPEXPANSION
FDN.FOUNDATION
FFEFINISHED FLOOR ELEVATION
F.G.FINISHED GRADE
F.V.FLOOD VENT LOCATION
GWBGYPSUM WALL BOARD
HHEADER
HSSHOLLOW STRUCTURAL SHAPE (A.I.S.C.)
HORIZ.HORIZONTAL
JTJOINT
M.O.MASONRY OPENING
NANOT APPLICABLE

O.A.E.OR APPROVED EQUAL
O.C.ON CENTER
PAFPOWDER ACTUATED FASTENER
P.C.PRE-CAST
PERF.PERFORATED
PLPLATE
PROPPROPOSED
R/CREINFORCED CONCRETE
REINFREINFORCEMENT
SICPPSMOOTH INTERIOR CORRUGATED POLYETHYLENE PIPE
S.L.SELF-LEVELING
S.O.G.SLAB ON GRADE
STLSTEEL
TRANSTRANSVERSE
T/FTGTOP OF FOOTING
T/WALLTOP OF WALL
T&STEMPERATURE AND SHRINKAGE
TYP.TYPICAL
U.N.O.UNLESS NOTED OTHERWISE
V.B.VAPOR BARRIER
VERT.VERTICAL
WCJWALL CONTROL JOINT
W.W.F.WELDED WIRE FABRIC REINF.

project no.

26-145

date

JUNE 18, 2026

drawn by

JNK

STRUCTURAL PLANS FOR THE:

PRIVATE BRIDGE REPLACEMENT

TOWN OF WOODSTOCK, ULSTER COUNTY, NY

11 LOWER BYROCLIFFE ROAD

STRUCTURAL NOTES

208 BROADWAY, PO BOX 1206
PORT EWEN, NEW YORK 12466
845-331-8806

STINEMIRE
ENGINEERING

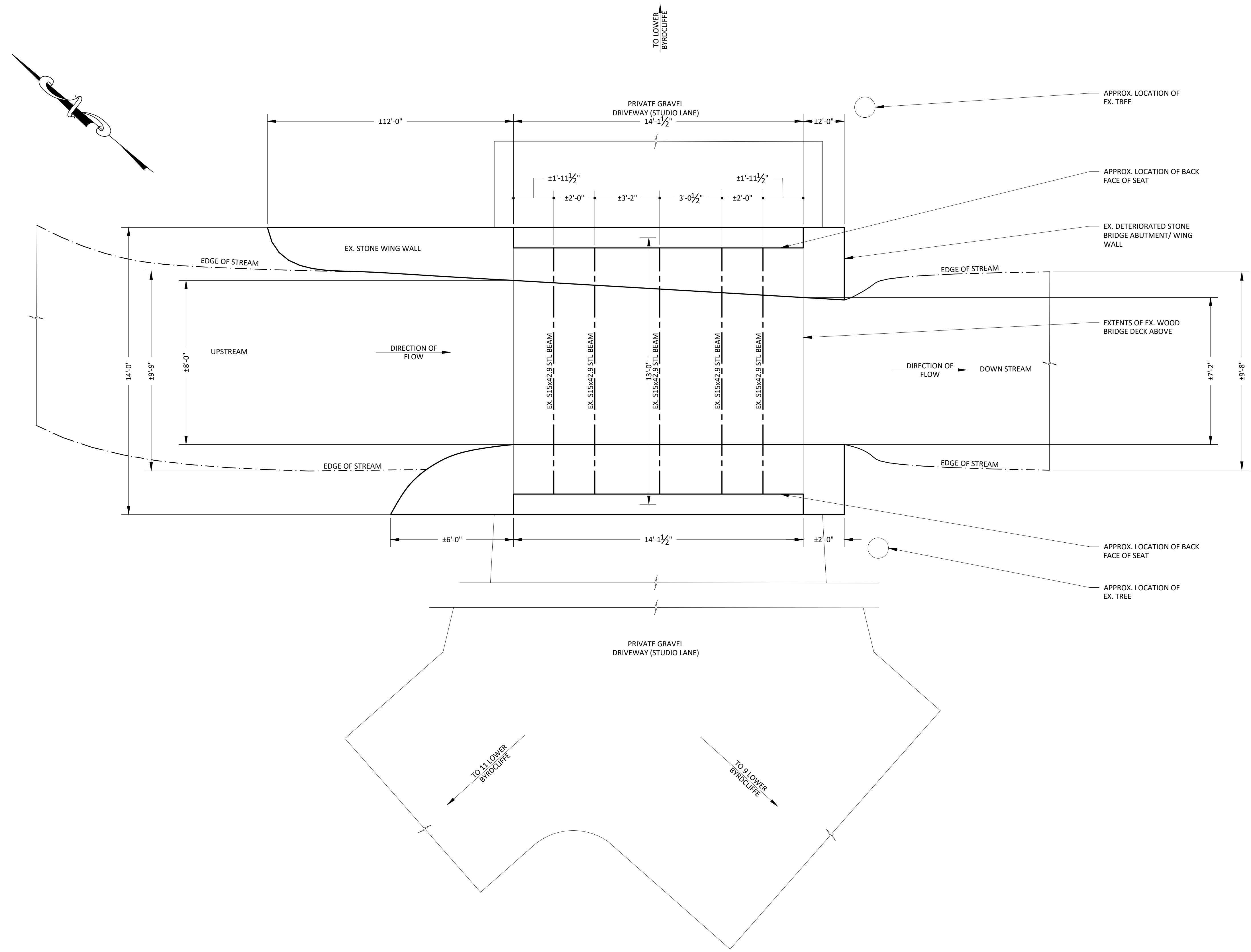
SHEET NO.

S-001

PRELIMINARY
THESE PLANS ARE FOR PLANNING
AND REGULATORY REVIEW.
NOT FOR CONSTRUCTION

UNAUTHORIZED ALTERATION OR ADDITION TO A
PLAN BEARING THE SEAL OF LICENSED
PROFESSIONAL ENGINEER IS A VIOLATION OF
SECTION 7209, SUBDIVISION 2 OF THE NEW YORK
STATE EDUCATION LAW.

PRELIMINARY
THESE PLANS ARE FOR PLANNING
AND REGULATORY REVIEW.
NOT FOR CONSTRUCTION



1
S-101
EXISTING BRIDGE FOUNDATION/FRAMING PLAN
SCALE: 3/8" = 1'-0"

project no.
26-145
date
JUNE 18, 2026
drawn by
JNK

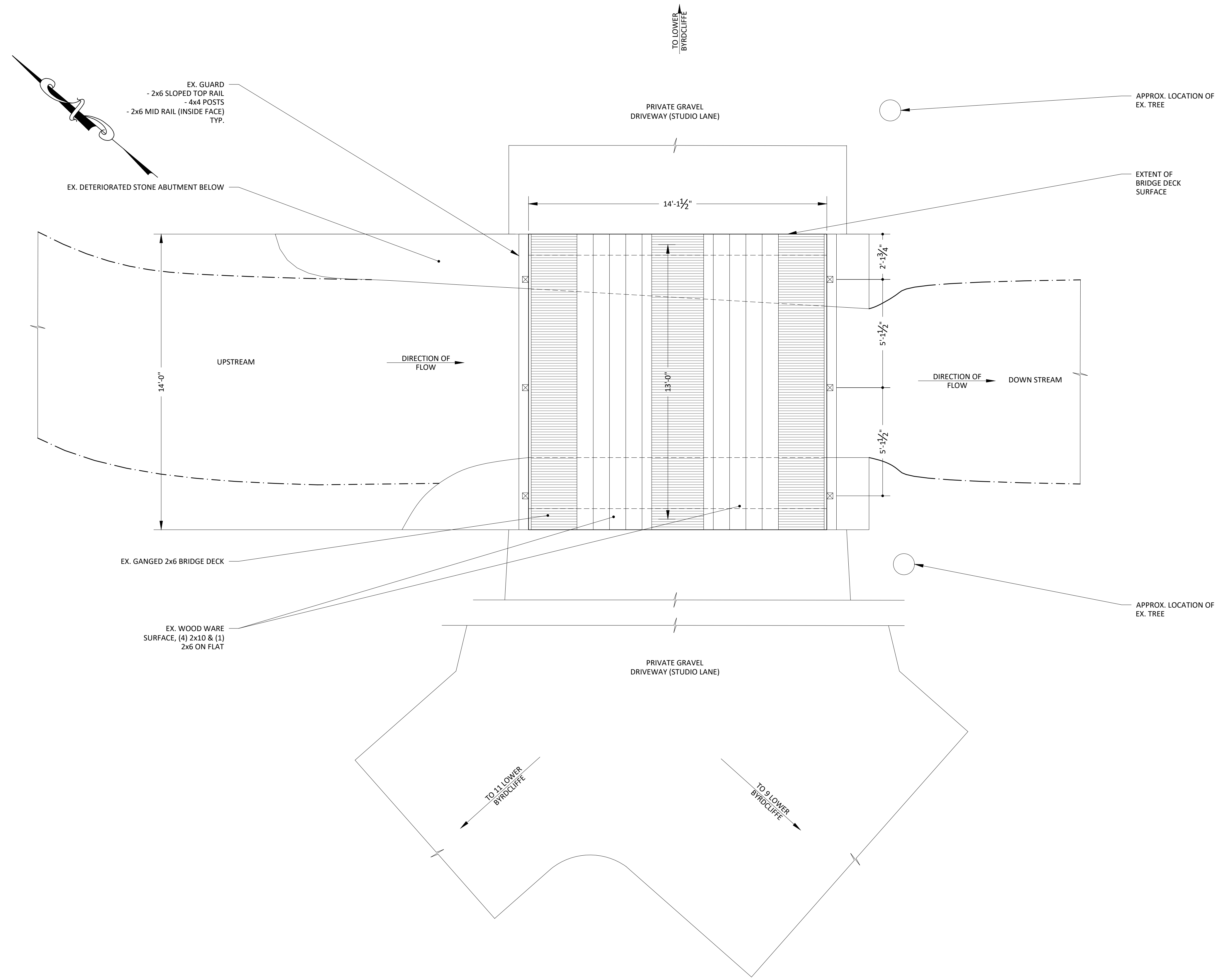
STRUCTURAL PLANS FOR THE:
PRIVATE BRIDGE REPLACEMENT
11 LOWER BYRDLIFFE ROAD TOWN OF WOODSTOCK, ULSTER COUNTY, NY

EXISTING BRIDGE FRAMING PLAN
STINEMIRE
ENGINEERING
208 BROADWAY, PO BOX 1206
PORT EWEN, NEW YORK 12466
845-331-8806

SHEET NO.
S-101

UNAUTHORIZED ALTERATION OR ADDITION TO A
PLAN BEARING THE SEAL OF LICENSED
PROFESSIONAL ENGINEER IS A VIOLATION OF
SECTION 7209, SUBDIVISION 2 OF THE NEW YORK
STATE EDUCATION LAW.

PRELIMINARY
THESE PLANS ARE FOR PLANNING
AND REGULATORY REVIEW.
NOT FOR CONSTRUCTION



1
S-102
EXISTING BRIDGE DECK PLAN
SCALE: 3/8" = 1'-0"

project no.
26-145
date
JUNE 18, 2026
drawn by
JNK

STRUCTURAL PLANS FOR THE:
PRIVATE BRIDGE REPLACEMENT
11 LOWER BYRDCLIFFE ROAD TOWN OF WOODSTOCK, ULSTER COUNTY, NY

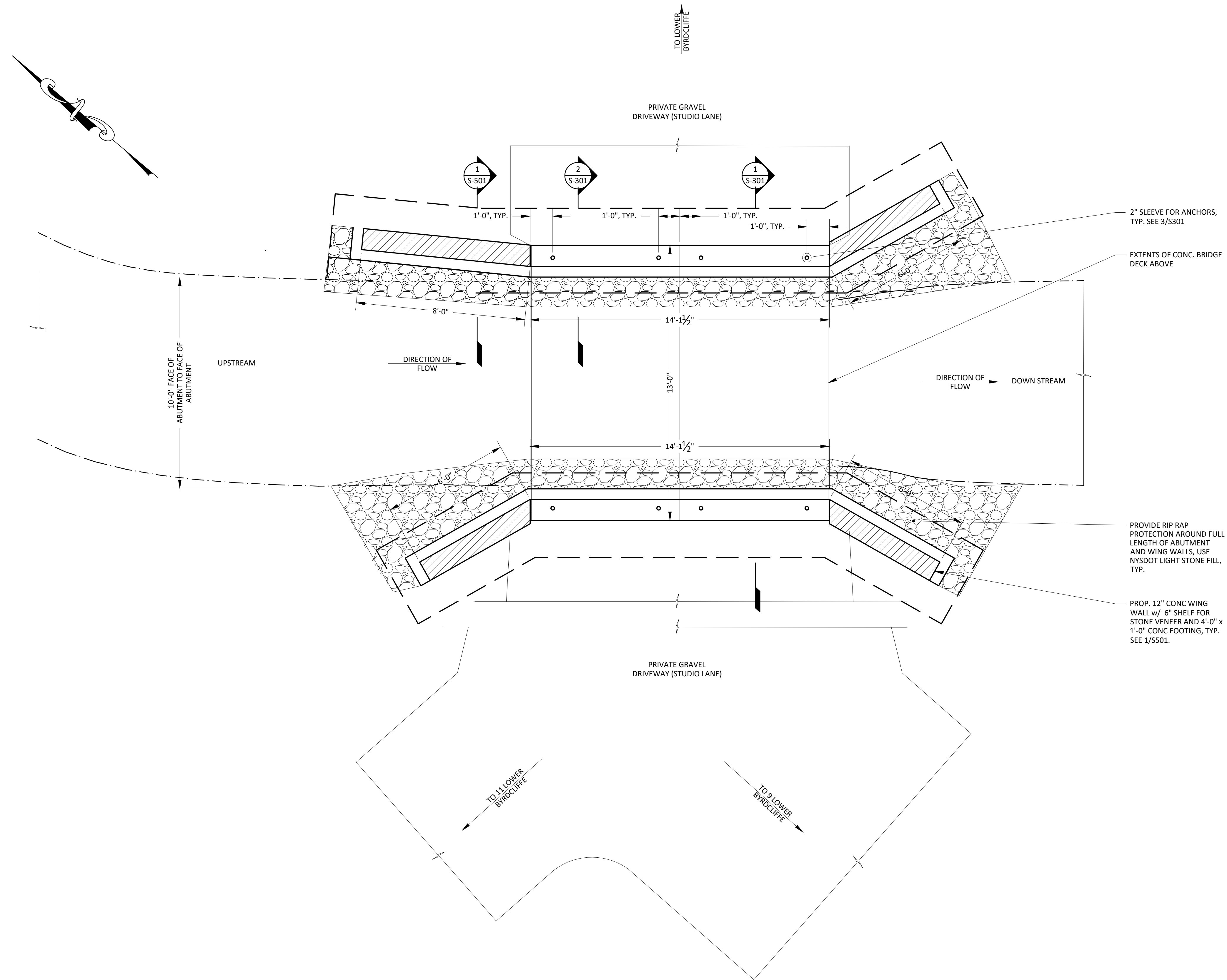
EXISTING BRIDGE DECK PLAN
STINEMIRE
ENGINEERING
208 BROADWAY, PO BOX 1206
PORT EWEN, NEW YORK 12466
845-331-8806

SHEET NO.

S-102

UNAUTHORIZED ALTERATION OR ADDITION TO A
PLAN BEARING THE SEAL OF LICENSED
PROFESSIONAL ENGINEER IS A VIOLATION OF
SECTION 7209, SUBDIVISION 2 OF THE NEW YORK
STATE EDUCATION LAW.

PRELIMINARY
THESE PLANS ARE FOR PLANNING
AND REGULATORY REVIEW.
NOT FOR CONSTRUCTION



1
S-103 PROPOSED BRIDGE FOUNDATION PLAN
SCALE: 3/8" = 1'-0"

UNAUTHORIZED ALTERATION OR ADDITION TO A
PLAN BEARING THE SEAL OF LICENSED
PROFESSIONAL ENGINEER IS A VIOLATION OF
SECTION 7209, SUBDIVISION 2 OF THE NEW YORK
STATE EDUCATION LAW.

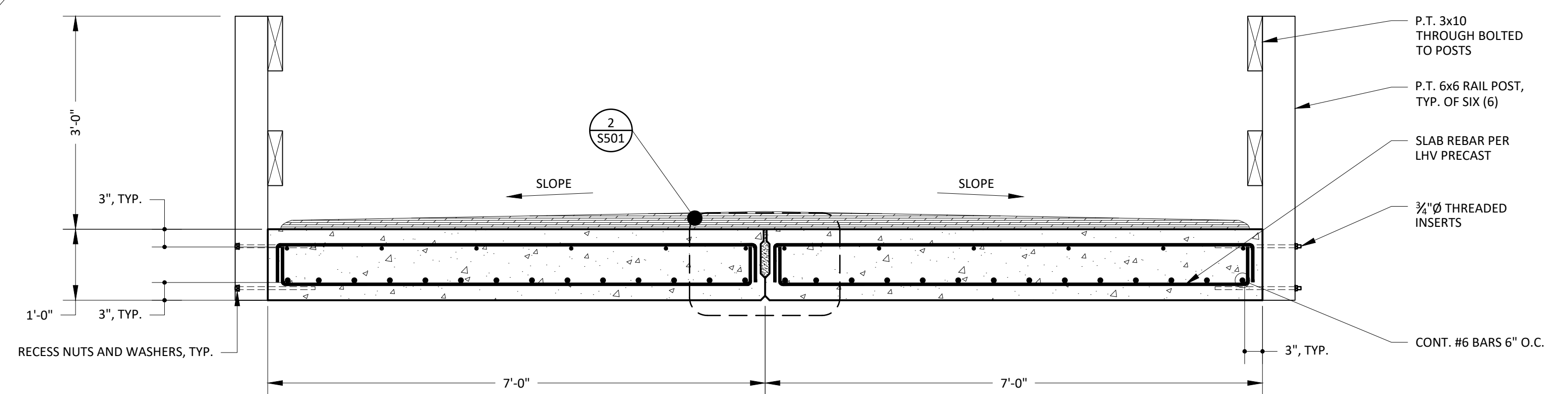
project no.
26-145
date
JUNE 18, 2026
drawn by
JNK

STRUCTURAL PLANS FOR THE:
PRIVATE BRIDGE REPLACEMENT
11 LOWER BYRDCLIFFE ROAD TOWN OF WOODSTOCK, ULSTER COUNTY, NY

PROPOSED BRIDGE FOUNDATION PLAN
STINEMIRE
ENGINEERING
208 BROADWAY, PO BOX 1206
PORT EWEN, NEW YORK 12466
845-331-8806

SHEET NO.

S-103



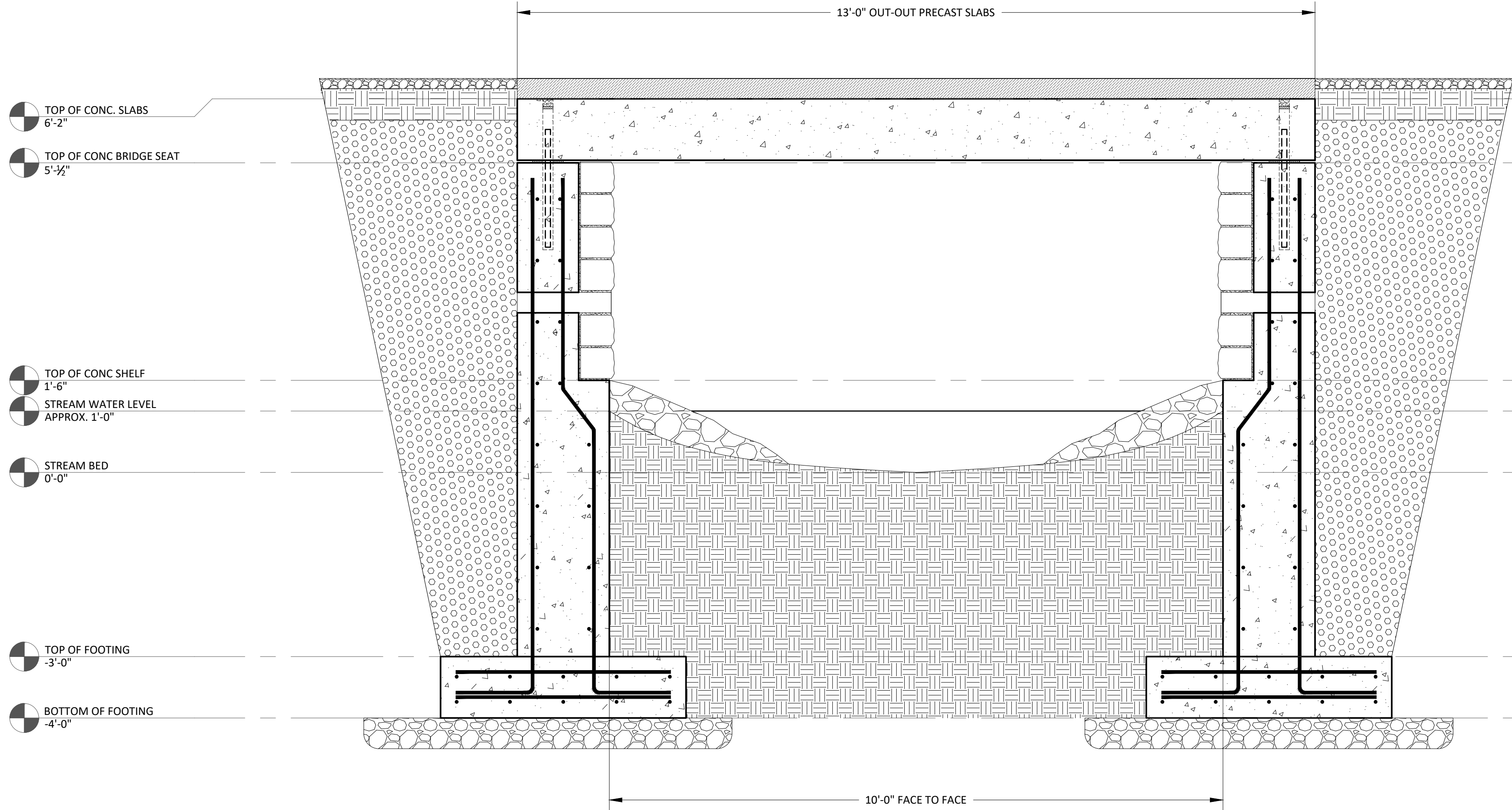
UNAUTHORIZED ALTERATION OR ADDITION TO A
PLAN BEARING THE SEAL OF LICENSED
PROFESSIONAL ENGINEER IS A VIOLATION OF
SECTION 7209, SUBDIVISION 2 OF THE NEW YORK
STATE EDUCATION LAW.

SHEET NO.

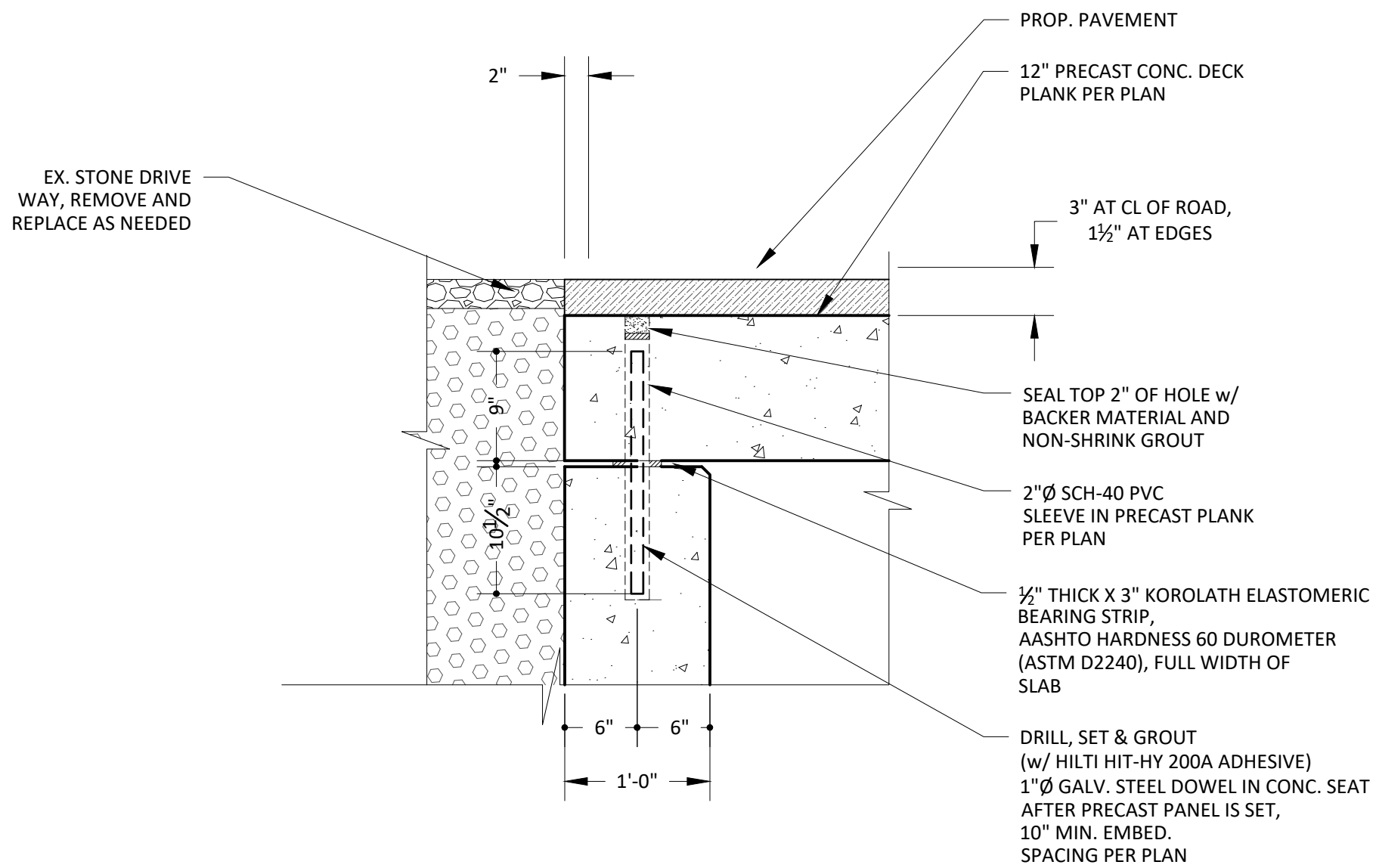
S-104

PRELIMINARY

THESE PLANS ARE FOR PLANNING
AND REGULATORY REVIEW.
NOT FOR CONSTRUCTION

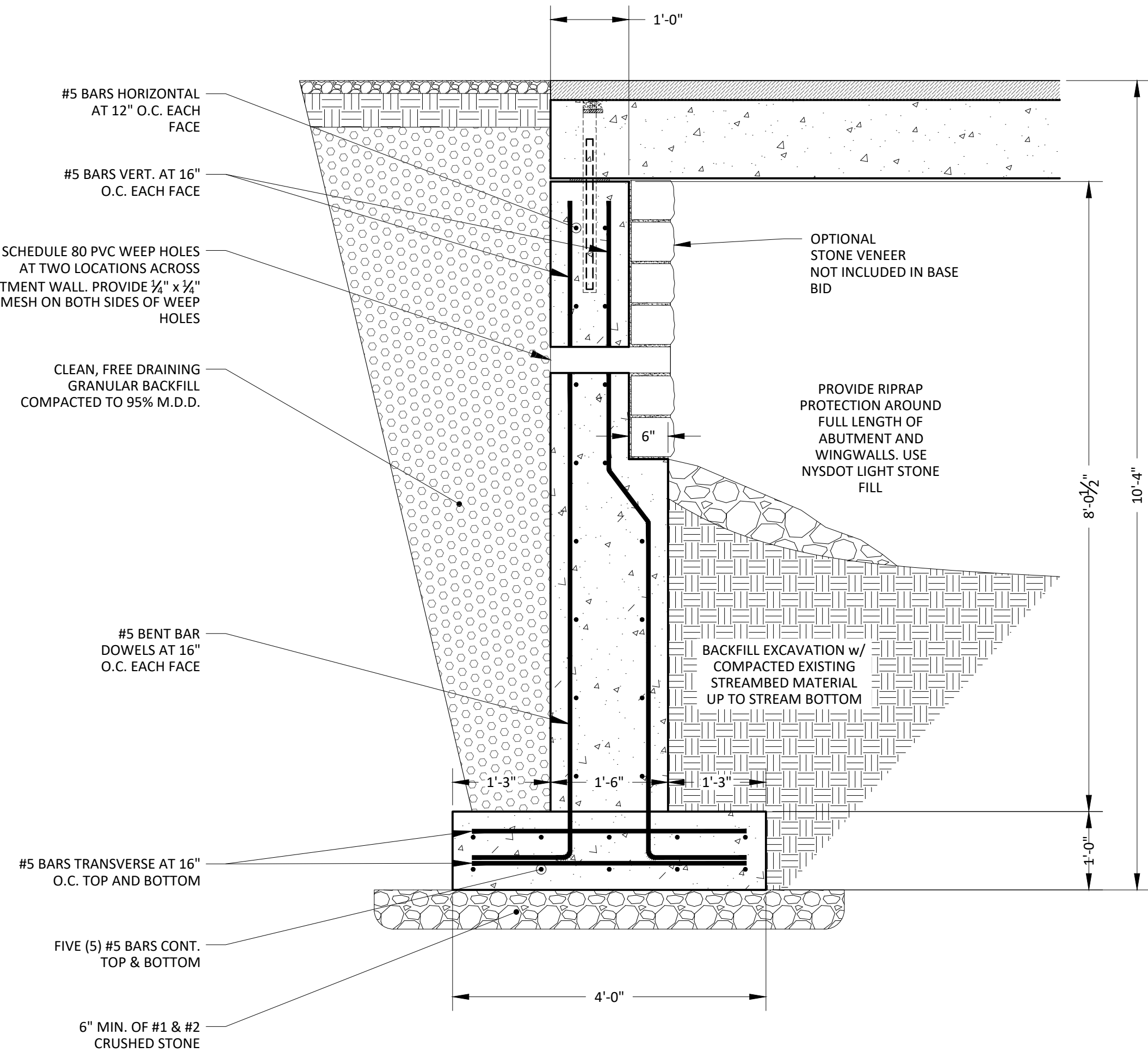


1 PROPOSED SECTION
S-301 SCALE: 3/4" = 1'-0"



NOTE:
1. REINFORCEMENT NOT SHOWN FOR CLARITY.

3 PLANK BEARING DETAIL
S-301 SCALE: 1" = 1'-0"



2 PROPOSED ABUTMENT SECTION
S-301 SCALE: 3/4" = 1'-0"

UNAUTHORIZED ALTERATION OR ADDITION TO A
PLAN BEARING THE SEAL OF LICENSED
PROFESSIONAL ENGINEER IS A VIOLATION OF
SECTION 7209, SUBDIVISION 2 OF THE NEW YORK
STATE EDUCATION LAW.

project no.	26-145
date	JUNE 18, 2026
drawn by	JNK

STRUCTURAL PLANS FOR THE:
PRIVATE BRIDGE REPLACEMENT
11 LOWER BYROCLIFFE ROAD TOWN OF WOODSTOCK, ULSTER COUNTY, NY

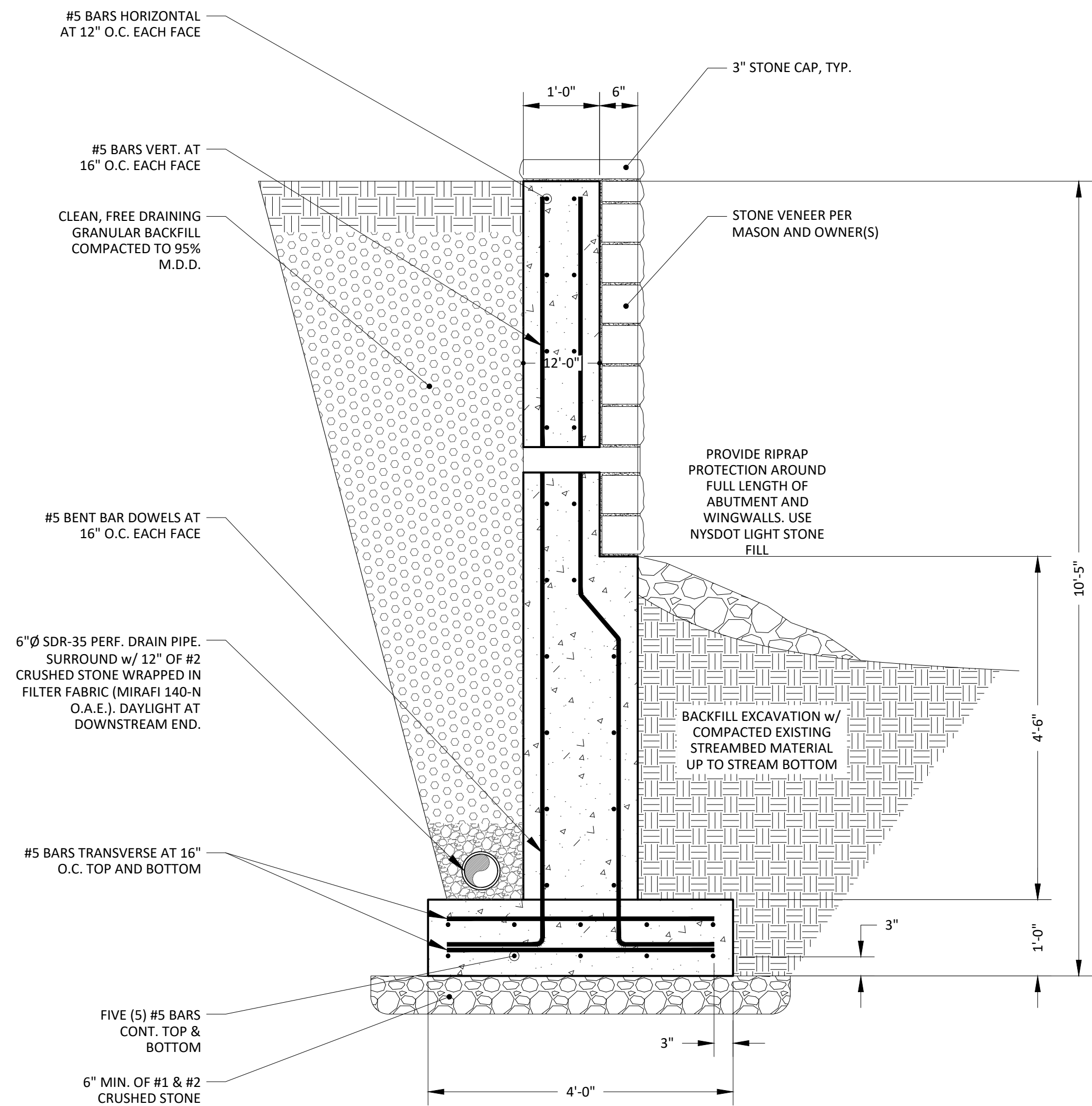
PROPOSED CONCRETE BRIDGE DECK PLAN

208 BROADWAY, PO BOX 1206
PORT EWEN, NEW YORK 12466
845-331-8806

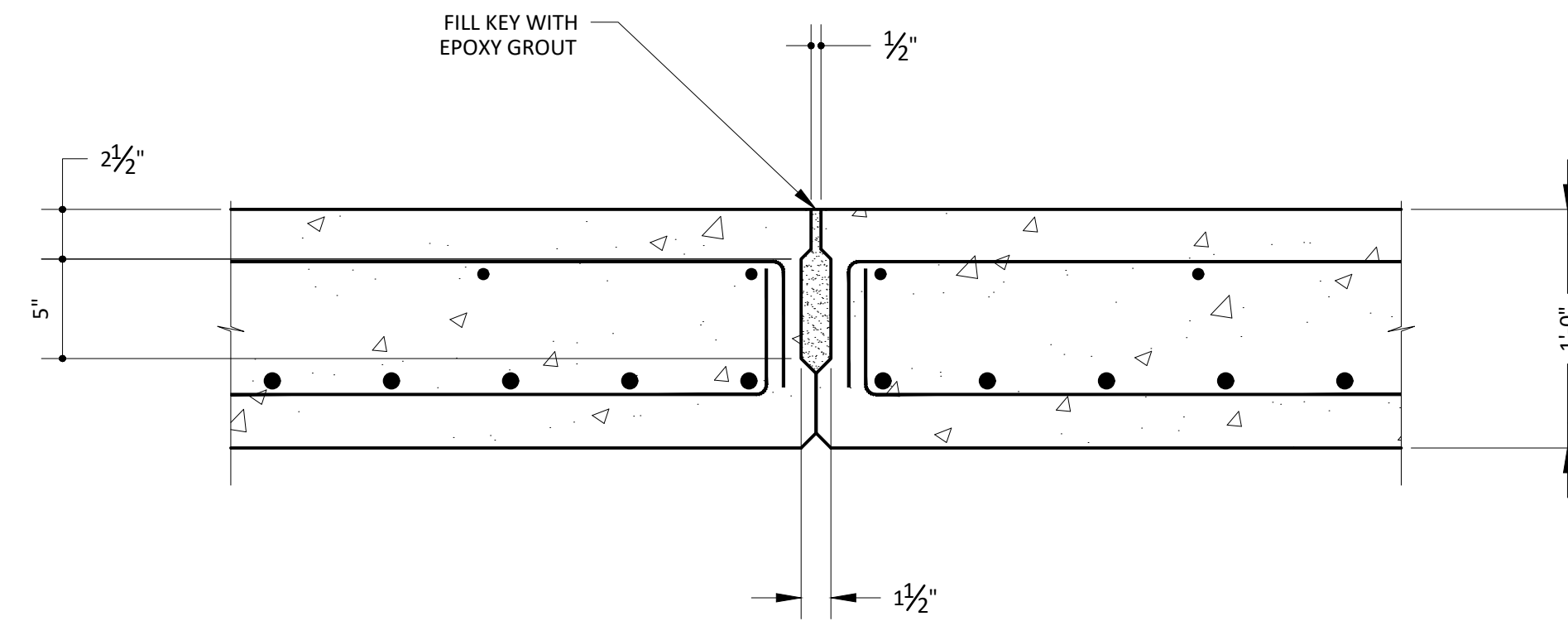
STINEMIRE
ENGINEERING

SHEET NO.
S-301

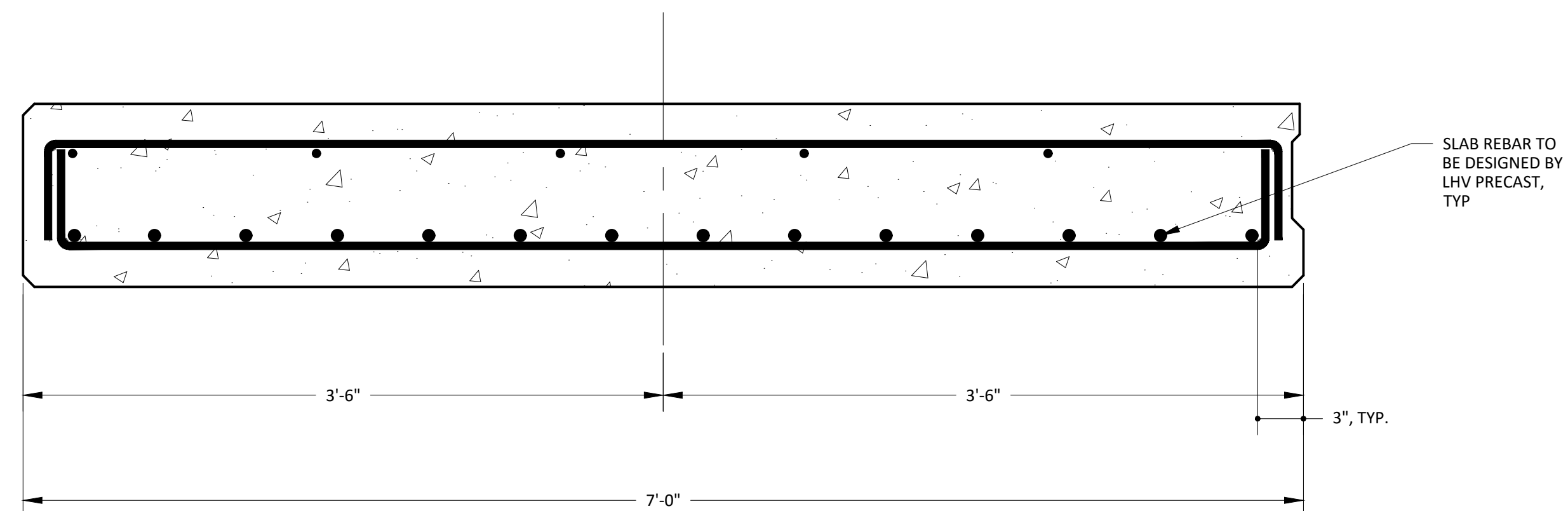
PRELIMINARY
THESE PLANS ARE FOR PLANNING
AND REGULATORY REVIEW.
NOT FOR CONSTRUCTION



1 PROPOSED WING WALL DETAIL
S-501 SCALE: 3/4" = 1'-0"



2 PROPOSED PLANK JOINT DETAIL
S-501 SCALE: 1-1/2" = 1'-0"



3 PROPOSED PLANK DETAIL
S-501 SCALE: 1-1/2" = 1'-0"

UNAUTHORIZED ALTERATION OR ADDITION TO A
PLAN BEARING THE SEAL OF LICENSED
PROFESSIONAL ENGINEER IS A VIOLATION OF
SECTION 7209, SUBDIVISION 2 OF THE NEW YORK
STATE EDUCATION LAW.

project no.
26-145
date
JUNE 18, 2026
drawn by
JNK

STRUCTURAL PLANS FOR THE:
PRIVATE BRIDGE REPLACEMENT
11 LOWER BYROCLIFFE ROAD TOWN OF WOODSTOCK, ULSTER COUNTY, NY

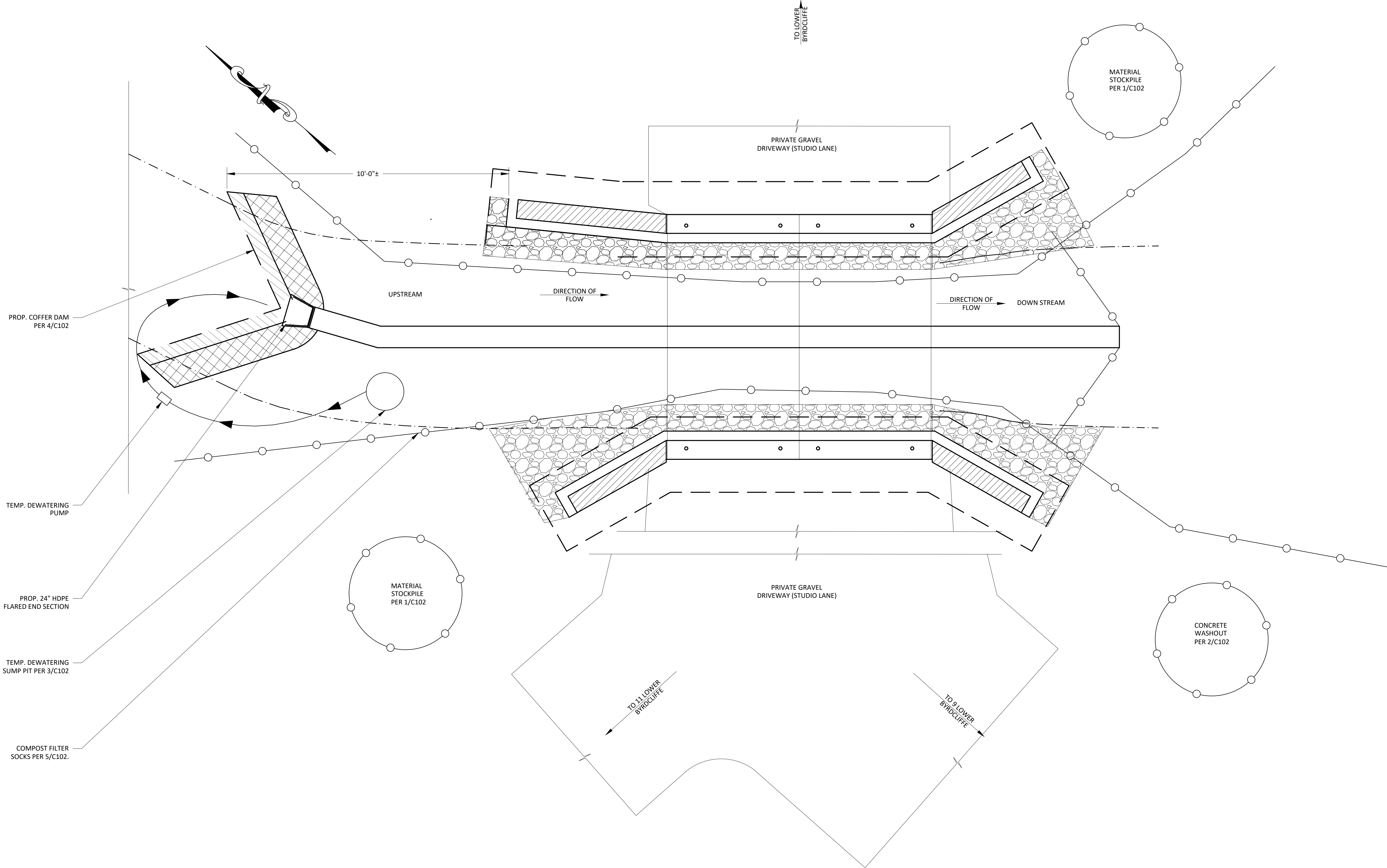
PROPOSED CONCRETE BRIDGE DECK PLAN

208 BROADWAY, PO BOX 1206
PORT EWEN, NEW YORK 12466
845-331-8806

STINEMIRE
ENGINEERING

SHEET NO.
S-501

PRELIMINARY
THESE PLANS ARE FOR PLANNING
AND REGULATORY REVIEW.
NOT FOR CONSTRUCTION



1
C-101 PROPOSED STREAM PROTECTION PLAN
SCALE: 3/8" = 1'-0"

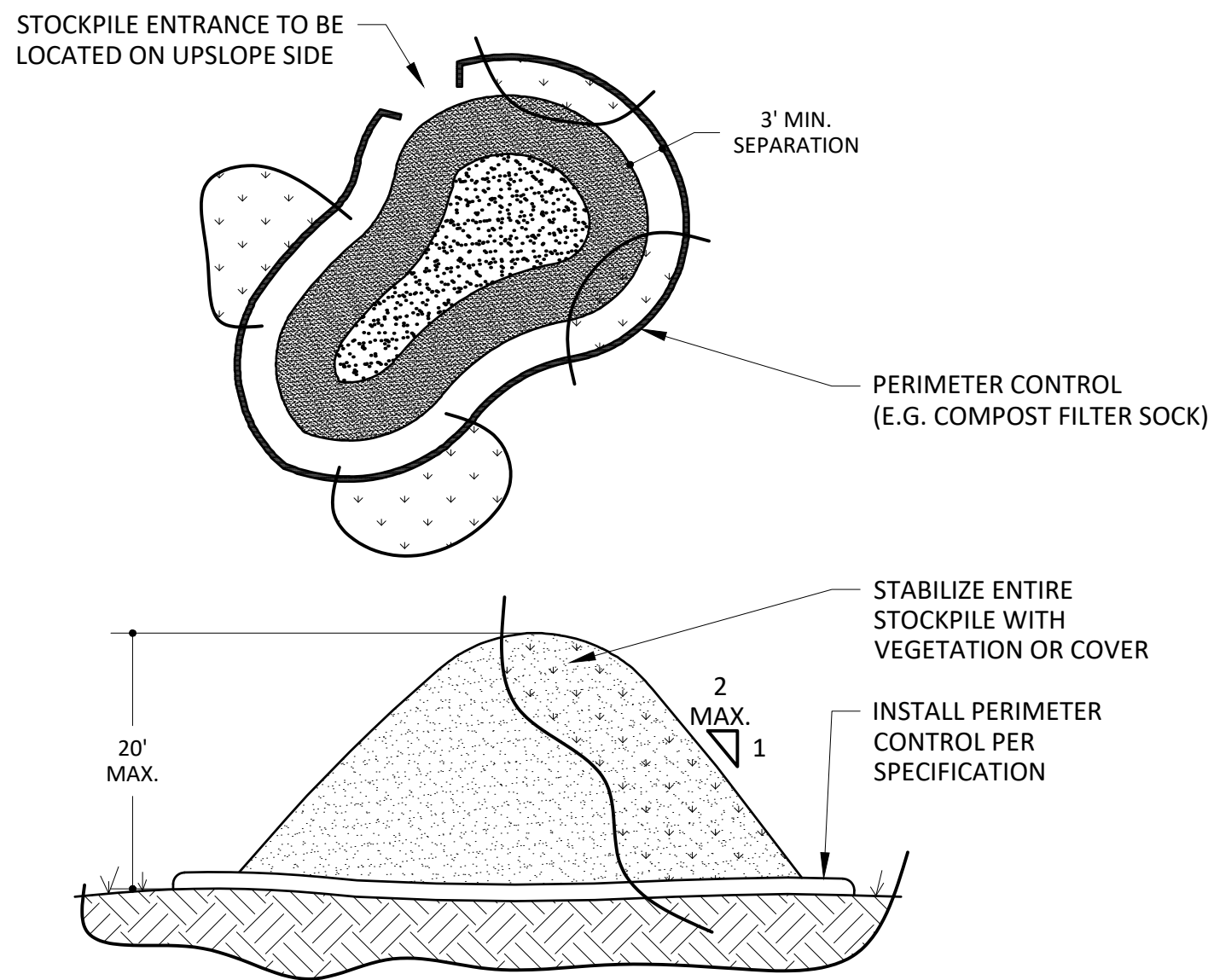
project no.
26-145
date
JUNE 18, 2026
drawn by
JNK

STRUCTURAL PLANS FOR THE:
PRIVATE BRIDGE REPLACEMENT
11 LOWER BYRDCLIFFE ROAD TOWN OF WOODSTOCK, ULSTER COUNTY, NY

PROPOSED STREAM PROTECTION PLAN
STINEMIRE
ENGINEERING
208 BROADWAY, PO BOX 1206
PORT EWEN, NEW YORK 12466
845-331-8806

SHEET NO.
C-101

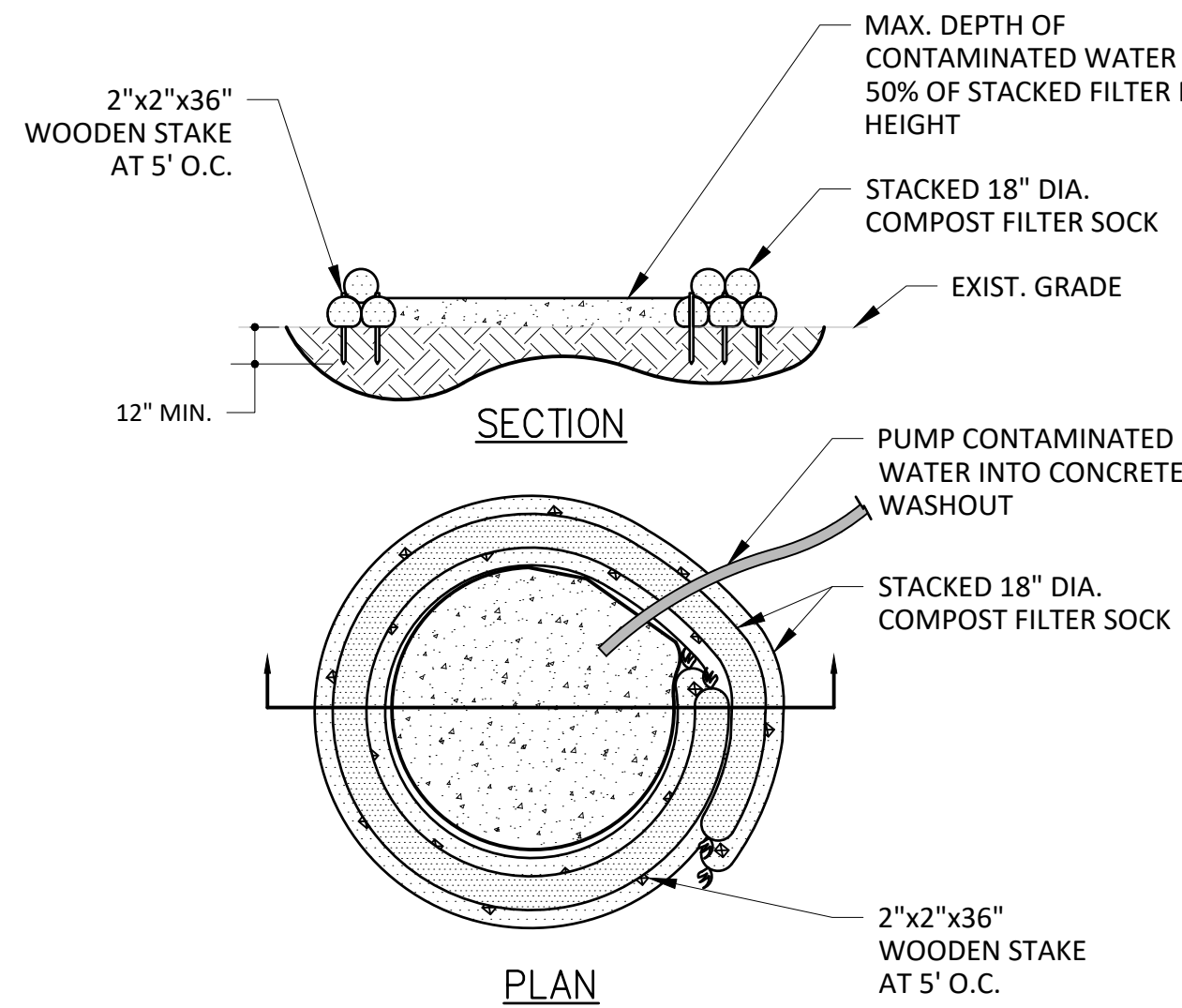
UNAUTHORIZED ALTERATION OR ADDITION TO A
PLAN BEARING THE SEAL OF LICENSED
PROFESSIONAL ENGINEER IS A VIOLATION OF
SECTION 7209, SUBDIVISION 2 OF THE NEW YORK
STATE EDUCATION LAW.



TEMPORARY SOIL STOCKPILE NOTES:

1. STOCKPILING AREAS SHALL BE DRY, STABLE, AND AT LEAST 50 FEET FROM ANY STORM DRAIN INLET, OPEN CHANNEL, WETLAND, WATERBODY, OR OTHER PROTECTED AREA. DO NOT LOCATE STOCKPILES WITHIN OVERLAND DRAINAGE FLOW PATHS, DESIGNATED FLOODWAYS, OR WITHIN THE DRIP LINE OR OVER THE ROOT CROWN OF ADJACENT TREES.
2. THE MAXIMUM SLOPE OF STOCKPILES SHALL BE BASED ON THE ANGLE OF REPOSE OF THE STOCKPILING MATERIAL BUT SHALL NEVER BE GREATER THAN 2:1.
3. UPON COMPLETION OF SOIL STOCKPILING EACH PILE SHALL BE SURROUNDED WITH A PERIMETER SEDIMENT CONTROL BARRIER SUCH AS STACKED COMPOST FILTER SOCKS, HAY BALES, OR SILT FENCING. SEE COMPOST FILTER SOCK DETAIL FOR INSTALLATION OF SOCKS. FOR SILT FENCE OR HAY BALES, REFER TO BLUE BOOK FOR INSTALLATION REQUIREMENTS.
4. IF STOCKPILE IS TO REMAIN INACTIVE FOR MORE THAN 14 CALENDAR DAYS, THE STOCKPILE MUST BE VEGETATED. FOLLOW TEMPORARY VEGETATION SPECIFICATIONS. THE VEGETATION CHOSEN SHALL LAST THE DURATION OF THE STOCKPILE. RESTABILIZE IF THE TEMPORARY VEGETATION DIES OR EROSION RESULTS.

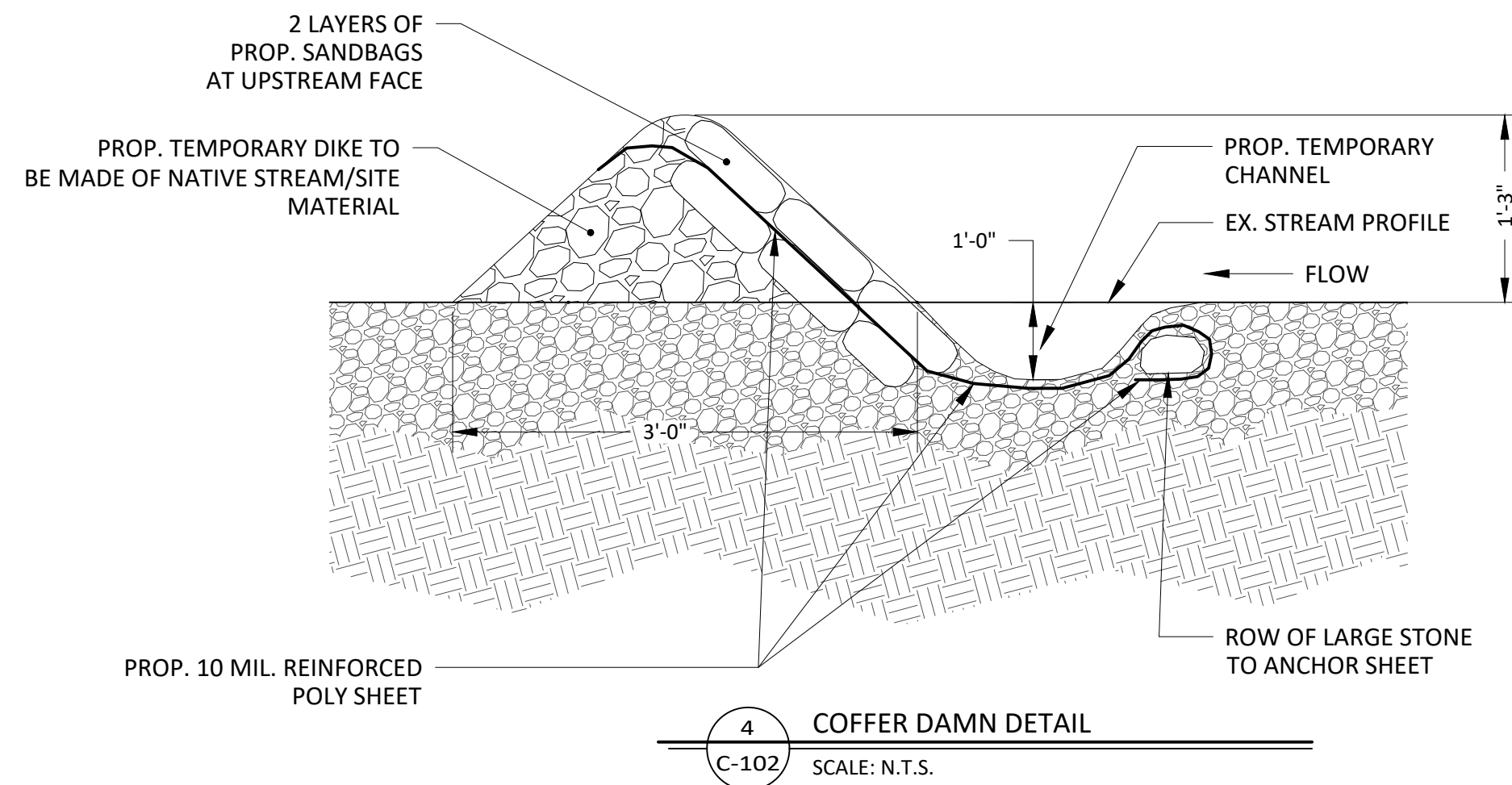
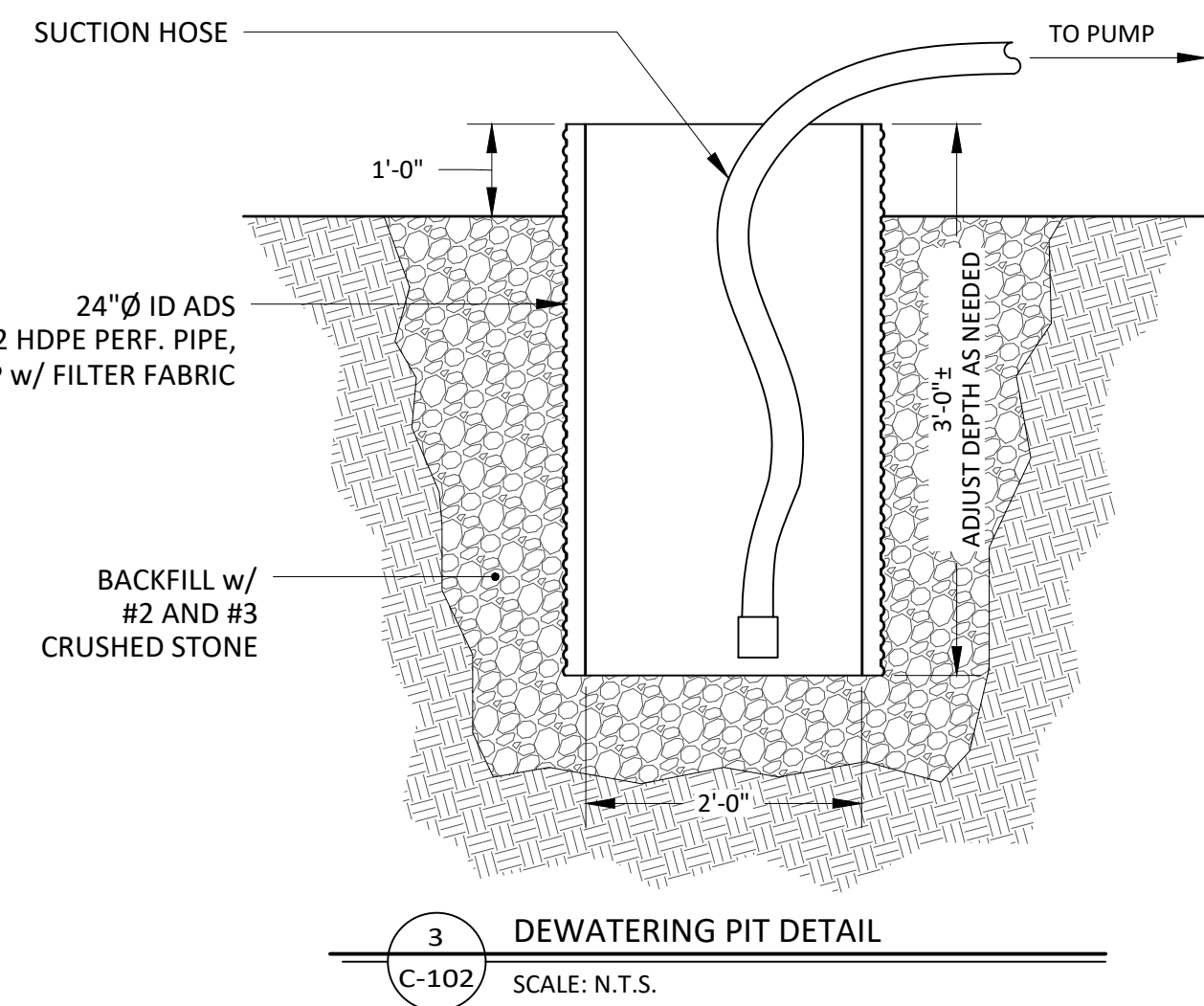
1 MATERIAL STOCKPILE DETAIL
C-102 SCALE: N.T.S.



CONCRETE WASHOUT NOTES:

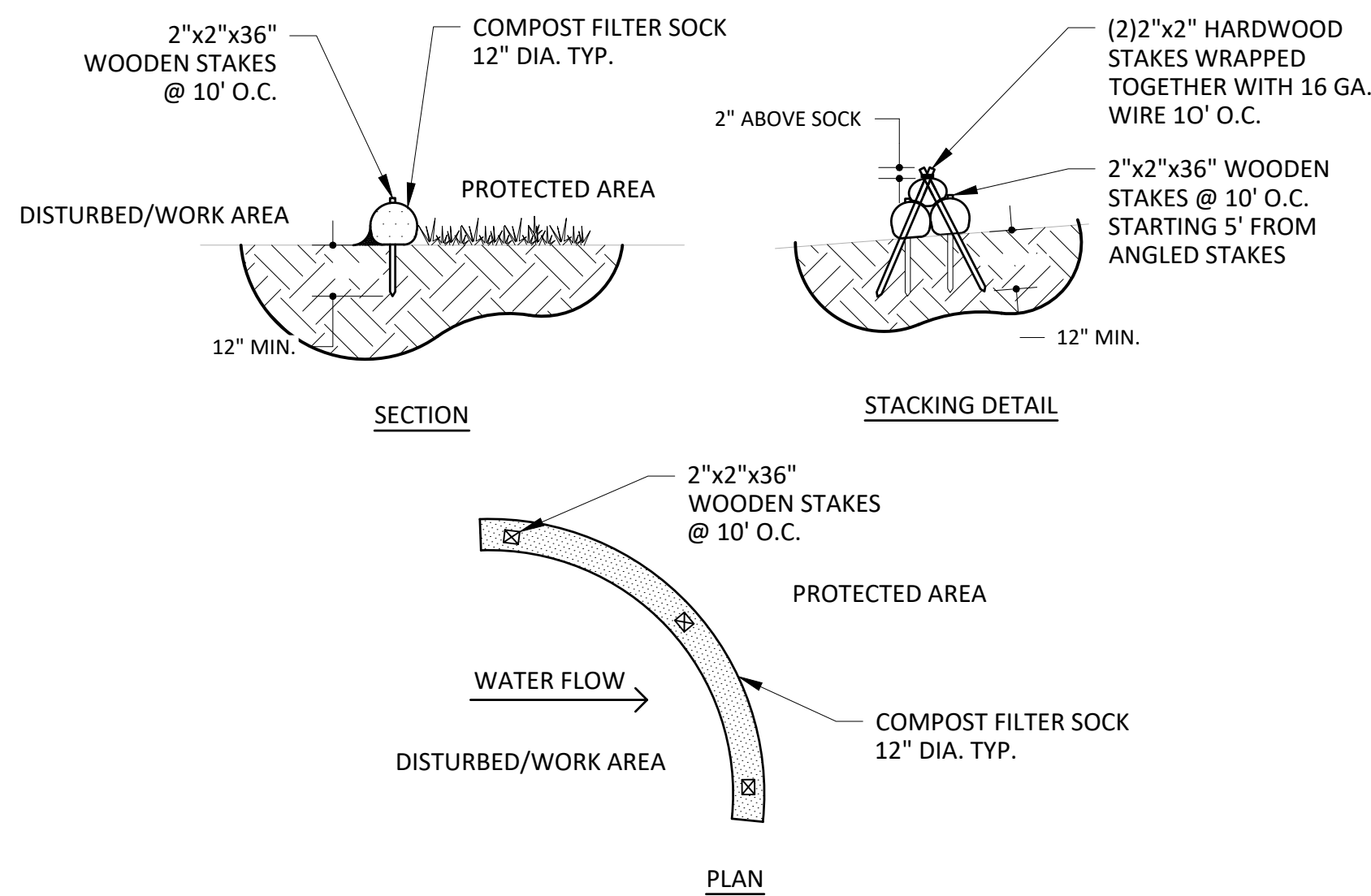
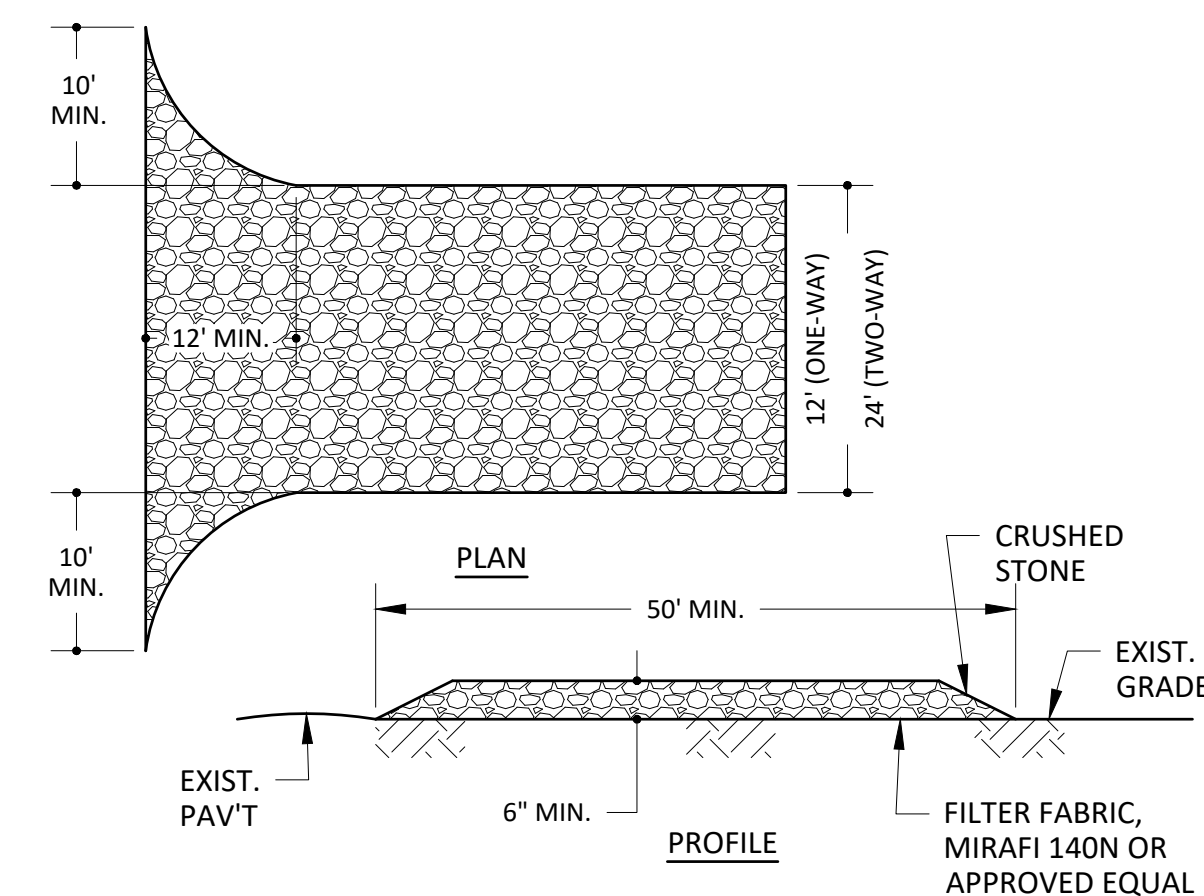
1. LOCATE WASHOUT FACILITY ON FLAT GRADE A MINIMUM OF 50 FEET AWAY FROM OPEN CHANNELS, STORM DRAIN INLETS, SENSITIVE AREAS, WETLANDS, BUFFERS AND WATER COURSES AND AWAY FROM CONSTRUCTION TRAFFIC.
2. SIZE WASHOUT FACILITY FOR VOLUME NECESSARY TO CONTAIN WASH WATER AND SOLIDS AND MAINTAIN AT LEAST 4 INCHES OF FREEBOARD. TYPICAL DIMENSIONS ARE 10 FEET X 10 FEET X 3 FEET DEEP.
3. COMPOST FILTER SOCKS MAY BE DIRECT SEEDED AT TIME OF INSTALLATION.
4. PROVIDE A SIGN FOR THE WASHOUT IN CLOSE PROXIMITY TO THE FACILITY.
5. INSPECT WASHOUT DAILY. KEEP PRACTICE WATER TIGHT. EMPTY OR REPLACE WASHOUT STRUCTURE THAT IS 50 PERCENT FULL, AND DISPOSE OF ACCUMULATED MATERIAL PROPERLY. DO NOT REUSE COMPOST FILTER SOCKS. WET-VACUUM STORED LIQUIDS THAT HAVE NOT EVAPORATED AND DISPOSE OF IN AN APPROVED MANNER. PRIOR TO FORECASTED RAINSTORMS, REMOVE LIQUIDS OR COVER STRUCTURE TO PREVENT OVERFLOWS. REMOVE HARDENED SOLIDS, WHOLE OR BROKEN UP, FOR DISPOSAL OR RECYCLING. MAINTAIN RUNOFF DIVERSION AROUND EXCAVATED WASHOUT STRUCTURE UNTIL STRUCTURE IS REMOVED.
6. ALTERNATIVE CONSTRUCTION USING STRAW BALES AND 10 MIL OR THICKER UV RESISTANT, IMPERMEABLE SHEETING MAY BE APPROVED BY ENGINEER PRIOR TO INSTALLATION

2 CONCRETE WASHOUT DETAIL
C-102 SCALE: N.T.S.



STABILIZED CONSTRUCTION ACCESS NOTES:

1. MODIFICATIONS MAY BE REQUIRED TO MEET FIELD CONDITIONS.
2. PROPOSED DRAINAGE PIPES SHALL BE SIZED WITH SUFFICIENT CAPACITY TO CARRY DITCH FLOWS.
3. ALTERNATIVE WAYS OF TRANSPORTING DITCH DRAINAGE ACROSS CONSTRUCTION ENTRANCES MAY BE PROPOSED BY THE CONTRACTOR FOR APPROVAL BY THE ENGINEER.
4. GEOTEXTILE SHALL BE PLACED OVER THE ENTIRE AREA OF STABILIZED CONSTRUCTION ENTRANCE PRIOR TO PLACING STONE. STONE SHALL MEET THE REQUIREMENTS OF NYSDOT ITEM 623.12, CRUSHED NO. 3 STONE.
5. ALL SURFACE WATER SHALL BE DIVERTED AWAY FROM CONSTRUCTION ENTRANCE. A MOUNTABLE BERM WITH 5:1 SLOPE IS PERMITTED.
6. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT OF WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT OF WAY MUST BE REMOVED IMMEDIATELY.
7. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA WITH STONE AND WHICH DRAINS ONTO AN APPROVED SEDIMENT TRAPPING DEVICE (OR CORRUGATED STEEL PANELS).
8. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE DONE REGULARLY AND FOLLOWING EACH RAINFALL.



COMPOST FILTER SOCK NOTES:

1. COMPOST FILTER SOCKS ARE A TEMPORARY SEDIMENT CONTROL PRACTICE COMPOSED OF A DEGRADABLE GEOTEXTILE MESH TUBE FILLED WITH COMPOST FILTER MEDIA TO REDUCE RUNOFF VELOCITY, FILTER SEDIMENT AND OTHER POLLUTANTS ASSOCIATED WITH CONSTRUCTION ACTIVITY, AND TO PREVENT THEIR MIGRATION OFFSITE.
2. FILTER SOCKS CAN BE USED IN SENSITIVE AREAS WHERE CONTROL OF WEEDS AND INVASIVE PLANT SPECIES IS DESIRED.
3. FILTER SOCKS SHALL BE INSTALLED ON A LINE OF EQUAL ELEVATION (CONTOUR). THEY MAY BE INSTALLED AT INTERMEDIATE POINTS UP SLOPES AS WELL AS AT THE BOTTOM. ALL TERMINAL ENDS SHALL EXTEND 10 FEET UPSLOPE AT A 30° ANGLE TO PREVENT BYPASS FLOW.
4. FILTER SOCKS SHALL NOT BE USED IN OR ACROSS A FLOWING NATURAL CHANNEL. REFER TO CHECK DAM DETAIL AND SPECIFICATION.
5. FILTER SOCKS ARE NOT TO BE INSTALLED SO THAT RUNOFF WILL FLOW ALONG THE FILTER SOCK IN A CONCENTRATED MANNER.
6. FILTER SOCKS SHALL BE PLACED A MINIMUM OF 2 FEET FROM TOE OF SLOPE, (5 FEET PREFERRED), TO PROVIDE ADEQUATE AREA FOR SEDIMENT STORAGE AND TO FACILITATE MAINTENANCE OF THE SEDIMENT CONTAINMENT AREA.
7. POSTS MAY BE 2" x 2" MIN. WOOD OR 2 kg/m MIN. STEEL. SPACING SHALL BE AS RECOMMENDED BY THE MANUFACTURER. FOR USE ON IMPERVIOUS SURFACES SUCH AS ROAD PAVEMENT OR PARKING AREAS, PROPER ANCHORAGE MUST BE PROVIDED TO PREVENT SHIFTING OF THE SOCK OR SEPARATION OF THE CONTACT BETWEEN THE SOCK AND THE PAVEMENT.

8. FILTER SOCKS SHALL BE BETWEEN 12" AND 32". THE MAXIMUM SLOPE LENGTH ABOVE A FILTER SOCK SHALL NOT EXCEED THE FOLLOWING

DIA.	SLOPE (%)							
	2	5	10	20	25	33	50	
8"	225'	200'	100'	50'	20'	-	-	
12"	250'	225'	125'	65'	50'	40'		
	25'							
18"	275'	250'	150'	70'	55'	45'		
	30'							
24"	350'	275'	200'	130'	100'	60'		
	35'							
32"	450'	325'	275'	150'	120'	75'		
	50'							

9. MEASURES SHALL BE INSPECTED EVERY 7 CALENDAR DAYS, AFTER EACH RAINFALL OF 0.5" OR MORE WITHIN A 12 HOUR PERIOD, OR DAILY DURING PROLONGED RAINFALL. MEASURES SHALL BE CLEANED AND REPAIRED AS REQUIRED.
10. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES ONE-HALF OF THE ABOVE GROUND HEIGHT. SEDIMENT SHALL BE DISPOSED OF AS UNSUITABLE MATERIAL.
11. UPON STABILIZATION OF THE AREA TRIBUTARY TO THE FILTER SOCK, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR THE MESH CAN BE CUT AND THE COMPOST SPREAD AS AN ADDITIONAL MULCH TO ACT AS A SOIL SUPPLEMENT.
12. MAXIMUM DRAINAGE AREA TRIBUTARY TO 100' OF FILTER SOCK SHALL BE 0.5 ACRE

PRELIMINARY
THESE PLANS ARE FOR PLANNING
AND REGULATORY REVIEW.
NOT FOR CONSTRUCTION

UNAUTHORIZED ALTERATION OR ADDITION TO A
PLAN BEARING THE SEAL OF LICENSED
PROFESSIONAL ENGINEER IS A VIOLATION OF
SECTION 7209, SUBDIVISION 2 OF THE NEW YORK
STATE EDUCATION LAW.

project no.
26-145
date
JUNE 18, 2026
drawn by
JNK

STRUCTURAL PLANS FOR THE:
PRIVATE BRIDGE REPLACEMENT
TOWN OF WOODSTOCK, ULSTER COUNTY, NY
11 LOWER BYRDCLIFFE ROAD

STREAM PROTECTION DETAILS
STINEMIRE
ENGINEERING
208 BROADWAY, PO BOX 1206
PORT EWEN, NEW YORK 12466
845-331-8806

SHEET NO.
C-102