

ADDENDUM NO. 1

**TOWN OF LEWIS
CARLOTT ROAD BRIDGE PRECAST STRUCTURES**

TO: All Bidders

DATE: March 28, 2013

This Addendum, issued to bid document holders of record, indicates changes to the bid documents for the *CARLOTT ROAD BRIDGE PRECAST STRUCTURES* Bid Opening April 17, 2013.

Please find attached the DRAWINGS for the bid which were omitted.

END OF ADDENDUM #1

CARLOTT ROAD OVER SPRUCE MILL BROOK BRIDGE REPLACEMENT

TOWN OF LEWIS, N.Y.
ESSEX COUNTY DEPARTMENT
OF PUBLIC WORKS

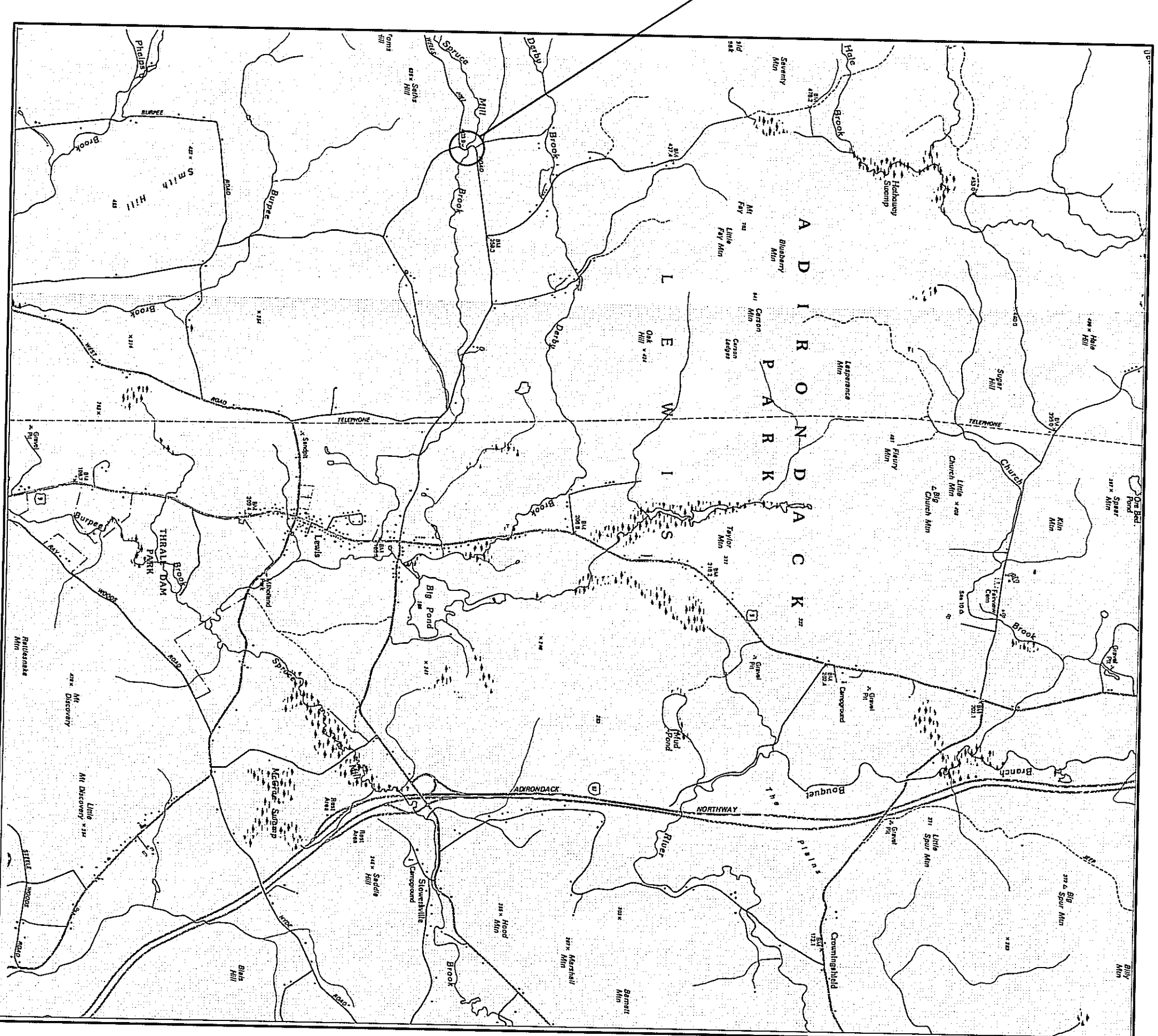
SR SCHODER RIVERS
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S-2	BRIDGE SECTIONS AND DETAILS
S-3	WINGWALL ELEVATIONS AND DETAILS

PROJECT
LOCATION



LOCATION MAP

N.T.S.

PROJECT COORDINATION NOTES

- 1. WORK BY CONTRACTOR - THE CONTRACTOR SHALL PERFORM ALL WORK FOR THE PROJECT NOT SPECIFICALLY NOTED TO BE PERFORMED BY THE PRECAST CONCRETE STRUCTURES SUPPLIER...

- 3. WORK BY OWNER - THE OWNER SHALL PERFORM THE FOLLOWING WORK FOR THE PROJECT:
- REMOVAL OF CURB, SETUP SPRINGS AND BARRICADES.
- BACKFILL ABOVE ELEVATION LIMITS INDICATED FOR THE WORK BY THE CONTRACTOR.

GENERAL NOTES

- 1. DESIGN SPECIFICATIONS: ASHRO LRFD BRIDGE DESIGN SPECIFICATIONS, 6th EDITION - 2012 INCLUDING ALL CURRENT REVISIONS.

GENERAL NOTES (CONT.)

- 10. SUBMITTALS: THE CONTRACTOR SHALL SUBMIT AMN. (3) COPIES OF ALL DRAWINGS AND ALL PRECAST CONCRETE SUPPLIER ITEMS FOR REVIEW BY THE PRECAST CONCRETE SUPPLIER...

SURVEY NOTES

- 1. ELEVATIONS ARE BASED ON AN ARBITRARY VERTICAL DATUM.
2. TWO FOOT CONTOUR INTERVAL INDICATED.
3. THE LAYOUT OF ALL WORK FOR THE PROJECT SHALL BE COMPLETED BY A LICENSED SURVEYOR REMAINED BY THE CONTRACTOR.

MAINTENANCE AND PROTECTION OF TRAFFIC NOTES

- 1. THE SAFE MAINTENANCE AND PROTECTION OF TRAFFIC IN AND AROUND THE SITE SHALL BE THE RESPONSIBILITY OF THE OWNER DURING THE COURSE OF THE WORK.
2. THE BRIDGE SHALL BE CLOSED TO ALL TRAFFIC DURING THE COURSE OF THE WORK. DETOUR SIGNAGE FOR THE CLOSURE SHALL BE PROVIDED AND INSTALLED BY THE OWNER.

DEMOLITION AND REMOVAL NOTES

- 1. DRAWINGS OF THE EXISTING BRIDGE AND THE EXISTING WINGWALLS ARE NOT AVAILABLE. INFORMATION REGARDING THE EXISTING STRUCTURE SHOWN ON THE DRAWINGS IS SCHEMATIC ONLY.
2. DURING DEMOLITION AND REMOVAL OPERATIONS, DO NOT DROP WASTE CONCRETE, REBAR, STEEL DEBRIS OR OTHER MATERIAL INTO THE AREA BELOW THE BRIDGE.

DEWATERING NOTES

- 1. DEWATERING FACILITIES SHALL BE PROVIDED BY THE CONTRACTOR TO Dewater AREAS WHERE EXCAVATION WORK WILL BE PERFORMED AS NECESSARY TO REMOVE EXISTING STRUCTURES AND FOR CHANNEL RECONSTRUCTION. DEWATERING METHODS SHALL INCLUDE DAMPERS AND TEMPORARY PUMPS AND PIPING AS REQUIRED TO DIVERT WATER WITHIN CONFEREMAS AROUND THE PROJECT SITE.
2. THE CONTRACTOR SHALL RETAIN A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF NEW YORK TO DESIGN A DEWATERING SYSTEM FOR THE PROJECT.

RRPPAP NOTES

- 1. ALL RRPPAP SHALL BE SOUND CLEAN ANGULAR STONE OF SPECIFIED SIZE AND SPECIFICATION. ALL STONE SHALL BE FREE OF ORGANIC MATERIALS, DEBRIS, SILT AND OTHER DELETERIOUS MATTER.
2. STONE SIZES SHALL CONFORM TO THE REQUIREMENTS OF NSDOT STANDARD SPECIFICATION SECTION 820 INDICATED WITH SUFFICIENT SMALLER STONE TO FILL THE VOIDS BETWEEN LARGER STONES.

EROSION CONTROL NOTES

- 1. ALL SILT FENCES AND COTTERDAMS SHALL BE IN PLACE AT THE LOCATIONS INDICATED ON THE DRAWINGS BEFORE DISTURBING THE EXISTING GROUND SURFACE.
2. ALL EXPOSED CUT AND FILL EARTH SURFACES NOT COVERED BY PAVEMENT OR STRUCTURES IN THE FINAL WORK SHALL BE COVERED WITH A MINIMUM 3 IN. TOPSOIL LAYER, CONFORMING WITH NSDOT ITEM NO. 616.0101 AND TYPED CONFORMING WITH NSDOT STANDARD SPECIFICATION SECTION 810.

EARTHWORK NOTES

- 1. EXCAVATION SHALL BE TO ELEVATIONS INDICATED WITH A TOLERANCE OF PLUS OR MINUS 1" EXCAVATIONS SHALL BE OF SUFFICIENT SIZE FOR PLACING AND REMOVING FORMS, AS WELL AS INSPECTIONS.
2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL STAKE OUT ALL CAST-IN-PLACE CONCRETE WORK AND SHALL VERIFY GRADES AND ELEVATIONS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
3. BACKFILL MATERIALS FOR THE WINGWALLS AND BRIDGE STRUCTURE SHALL BE STRUCTURAL FILL CONFORMING WITH NSDOT SPEC SECTION 733-04, SUBBASE MATERIAL, TYPE 4, EXCAVATED SITE MATERIAL MAY BE USED FOR GENERAL FILLING, OUTSIDE THE EXCAVATION LIMITS OF THE STRUCTURES.

CONCRETE NOTES

- 1. CAST-IN-PLACE CONCRETE FOR THE FOOTINGS AND HEADWALLS SHALL BE NSDOT ITEM 553.0105, CLASS A. CONCRETE WORK SHALL COMPLY WITH THE REQUIREMENTS OF NSDOT SPECIFICATION SECTION 555, "STRUCTURAL CONCRETE".
2. CONTRACTOR TO NOTE THAT AMBIENT AIR TEMPERATURE DURING THE CONSTRUCTION PERIOD ANTICIPATED FOR CONCRETE WORK MAY REQUIRE PROVISIONS FOR COLD WEATHER CONCRETING. THE CONTRACTOR'S BID SHALL INCLUDE ALL LABOR AND MATERIALS NECESSARY FOR SUCH COLD WEATHER CONCRETING.
3. ALL REINFORCING STEEL SHALL BE EPOXY COATED TO COMPLY WITH THE REQUIREMENTS OF NSDOT SPECIFICATION SECTION 709-04, UNLESS NOTED OTHERWISE. PLACEMENT OF REINFORCING STEEL SHALL BE VERIFIED BY THE ENGINEER.

- 5. EPOXY ADHESIVE FOR BONDING FRESH CONCRETE TO EXISTING CONCRETE SHALL BE SIKA AMARATED 110 AS MANUFACTURED BY SIKA CORP. OR EQUIVALENT.
6. NON-SHRINK GROUT SHALL BE "S" STAR GROUT AS MANUFACTURED BY FIVE STAR PRODUCTS, INC. AND PLACED IN CONFORMANCE WITH MANUFACTURER'S RECOMMENDATIONS.
7. GROUTING FOR BRIDGE DECK JOINTS SHALL COMPLY WITH THE REQUIREMENTS OF NSDOT SPECIFICATION SECTION 701-09 "CEMENT BASED GROUT MATERIALS FOR SHEAR KEYS".
8. THE OWNER SHALL RETAIN A TESTING LABORATORY CERTIFIED BY THE NYS DEPARTMENT OF TRANSPORTATION TO CONDUCT CONCRETE TESTING DURING CONSTRUCTION. REPRESENTATIVES OF THE TESTING LABORATORY SHALL BE PRESENT ON-SITE DURING ALL CONCRETE PLACEMENT PERFORMED. THE FOLLOWING TESTING SHALL BE PERFORMED:
- SAMPLING FRESH CONCRETE: ASTM C 172 EXCEPT AS MODIFIED FOR SLUMP TO COMPLY WITH ASTM C 94.

- 10. HEADWALLS SHALL RECEIVE A HARD TROWEL FINISH.
11. PREPARATED DRAINAGE BOARD SHALL BE HIRA DRAIN AS MANUFACTURED BY T.C. MARIOTT OR EQUIVALENT, WRAP DRAINAGE BOARD IN FILTER FABRIC.
-TEST REPORTS: TEST RESULTS WILL BE REPORTED IN THE FOLLOWING MANNER: TO THE ENGINEER WITHIN 48 HOURS OF THE TESTS TO BE REPORTED. THE TESTS TO BE REPORTED SHALL CONTAIN THE PROJECT IDENTIFICATION NAME AND NUMBER, DATE OF PLACEMENT, NAME OF THE TESTING SERVICE, CONCRETE TYPE AND CLASS, LOCATION OF THE CONCRETE IN THE STRUCTURE, DESIGN AND MATERIALS, COMPRESSIVE BREAKING STRENGTH AND TYPE OF BREAK FOR BOTH 7 AND 28 DAYS TESTS.

BRIDGE AND GULDERAL NOTES

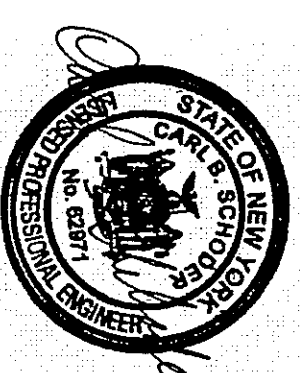
- 1. GULDERAL SHALL COMPLY WITH THE PROVISIONS OF THE NEW YORK STATE STANDARD SPECIFICATIONS - CONSTRUCTION AND MATERIALS SECTIONS 606 AND 710-21. FABRICATION AND INSTALLATION OF GULDERAL SHALL COMPLY WITH NSDOT STANDARD DETAIL SHEET 606-04, BOX BEAM GULDERAL.
2. FABRICATION AND INSTALLATION OF BRIDGE RAIL SHALL COMPLY WITH NSDOT STANDARD DETAIL SHEET 606-04, BRIDGE RAIL SUPPLIER SHALL SUPPLY ANCHORS FOR THE BRIDGE RAIL TO SUBMITTANCE TO THE ENGINEER FOR APPROVAL.
3. ANCHOR ROD MATERIAL SHALL CONFORM TO ASTM F1554, GRADE 36 MATERIAL. ANCHORS SHALL BE SUPPLIED WITH HEAVY HEX NUTS CONFORMING TO ASTM A483 AND HEAVY HEX CARBON STEEL WASHERS CONFORMING TO ASTM F436.

WINGWALL SYSTEM NOTES

- 1. WINGWALLS SHALL BE A PRECAST CONCRETE ERCP-TYPE RETAINING WALL IN ACCORDANCE WITH NSDOT STANDARD SPEC. SECTION 554. WINGWALL SYSTEMS SHALL BE T-WALL, AS MANUFACTURED BY THE FORT MILLER COMPANY, OR APPROVED EQUIVALENT.
2. WINGWALL SYSTEMS SHALL BE DESIGNED, FABRICATED AND DELIVERED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SUPPLIER FOR OFF-LOADING BY THE CONTRACTOR. OF ALL DELIVERIES SHALL BE BY THE CONTRACTOR.
3. DESIGN PARAMETERS FOR THE WINGWALL SYSTEMS SHALL BE AS FOLLOWS:
- ALL HEIGHTS AS INDICATED.
- BACKFILL FILL SLOPES AS INDICATED.
- PRECAST CONCRETE WALL SYSTEM UNITS.
- FILL PROPERTIES TO CONFORM TO NSDOT SPEC SECTION 701-09.
- WALL SYSTEMS TO BE STABLE FOR THE HEIGHTS INDICATED WITHOUT THE NEED FOR METAL MESH OR GEOTEXTILE FABRIC REINFORCING ELEMENTS WITHIN THE SOIL.
- BACKFILL PLACE REINFORCED CONCRETE FOOTING, AS INDICATED ON THE DRAWINGS.
- CASTED ON A LEVEL PAD FOR THE GRADE COURSE.

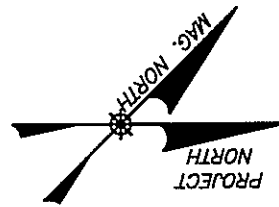
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CLIENT NAME: ESSEX COUNTY DEPARTMENT OF PUBLIC WORKS, ELIZABETHTOWN, N.Y.
DRAWING TITLE: CARLOTT ROAD BRIDGE OVER SPRUCE WILL BROOK BRIDGE REPLACEMENT
GENERAL NOTES



END OF NEW GRAVEL ROADWAY.
SEE SITE PLAN FOR LOC.

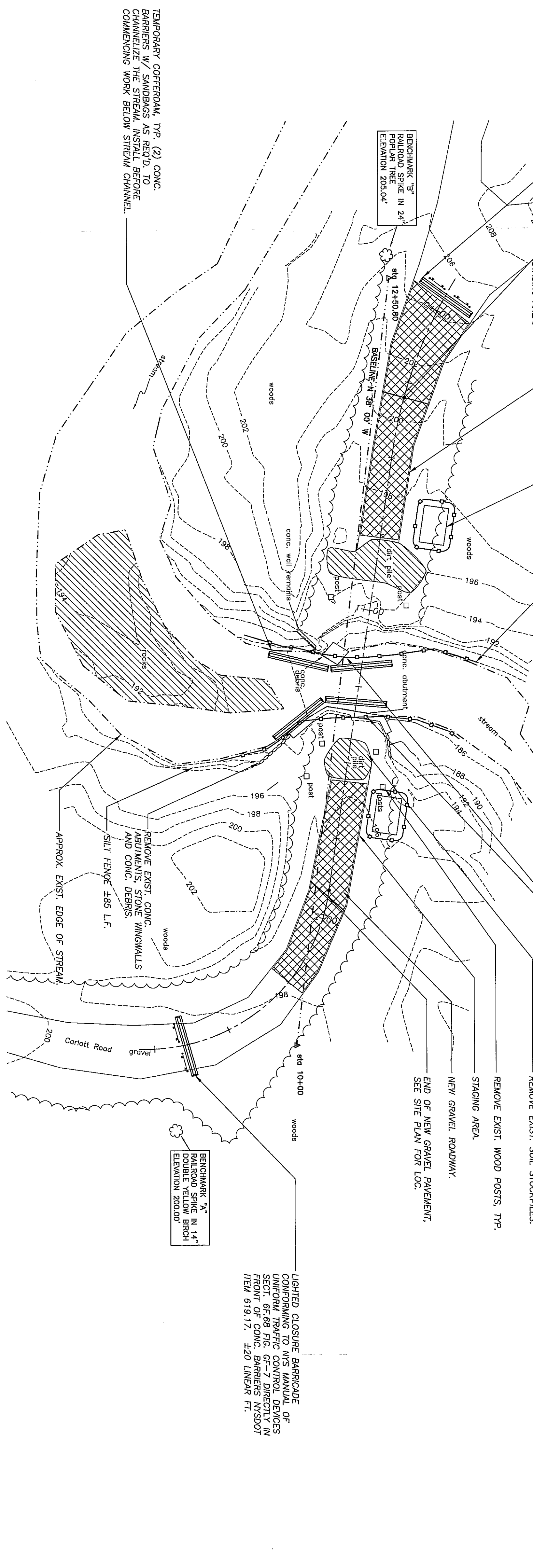
LIGHTED CLOSURE BARRIAGE
CONFORMING TO NYS MANUAL OF
UNIFORM TRAFFIC CONTROL DEVICES
SECT. 67.68 FIG. GF-7 DIRECTLY IN
FRONT OF CONC. BARRIERS NYSDOT
ITEM 619.17. ±20 UNDER FT.

SILT FENCE #85 L.F.
SEDIMENT FILTRATION BAG FOR DETAHERING
OF ABUTMENT EXCAVATIONS. PLACE BAG ON
SURROUND WITH SILT FENCE TYP. 2 LOC.

REMOVE EXIST. SOIL STOCKPILES.
REMOVE EXIST. WOOD POSTS, TYP.
STAGING AREA.
NEW GRAVEL ROADWAY.
END OF NEW GRAVEL PAVEMENT.
SEE SITE PLAN FOR LOC.

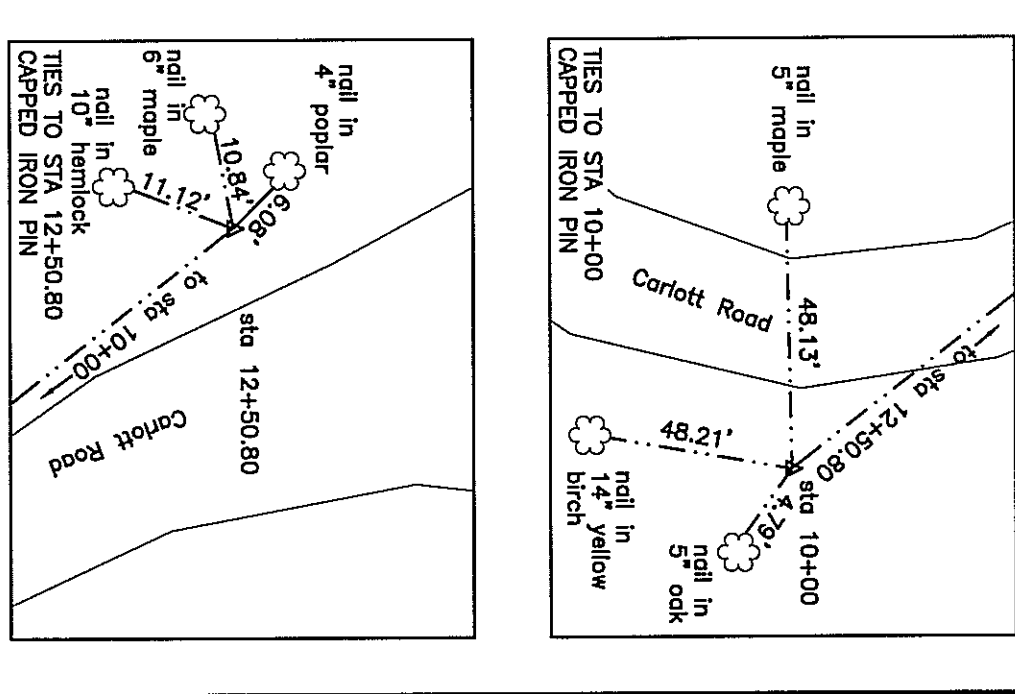
INSTALL SECTIONS OF SILT FENCE AFTER
REMOVAL OF ABUTMENT & CONC. DEBRIS.
REMOVE SECTIONS OF SILT FENCE AS
REQD FOR INSTALLATION OF RIPRAP.

LIGHTED CLOSURE BARRIAGE
CONFORMING TO NYS MANUAL OF
UNIFORM TRAFFIC CONTROL DEVICES
SECT. 67.68 FIG. GF-7 DIRECTLY IN
FRONT OF CONC. BARRIERS NYSDOT
ITEM 619.17. ±20 UNDER FT.



EROSION CONTROL AND REMOVALS PLAN
1"=20'-0"

- LEGEND**
- 94--- EXISTING CONTOUR
 - 98--- NEW CONTOUR
 - NEW EDGE OF STREAM
 - EXISTING EDGE OF STREAM
 - CONSTRUCTION BASELINE
 - + + + NEW GRAVEL PAVEMENT (BY OWNER)



TEMPORARY COTEPERM, TYP. (2) CONC.
BARRIERS W/ SANDBAGS AS REQD. TO
CHANNELIZE THE STREAM, INSTALL BEFORE
COMMENCING WORK BELOW STREAM CHANNEL.

TYPE IIA END SECTION, TYP.
ROADWAY @ INSIDE FACE OF
BRIDGE WALL, BASELINE STA.
11+33.85, 8.49' RIGHT.
DOUBLE BOX BEAM BRIDGE
RAIL TRANSITION, TYP.

PRECAST CONC. BRIDGE
STRUCTURE W/ 12" SKEW &
32.00' WATERWAY OPENING
DOUBLE BOX BEAM
BRIDGE RAIL, TYP.
NORTHWEST WINGWALL

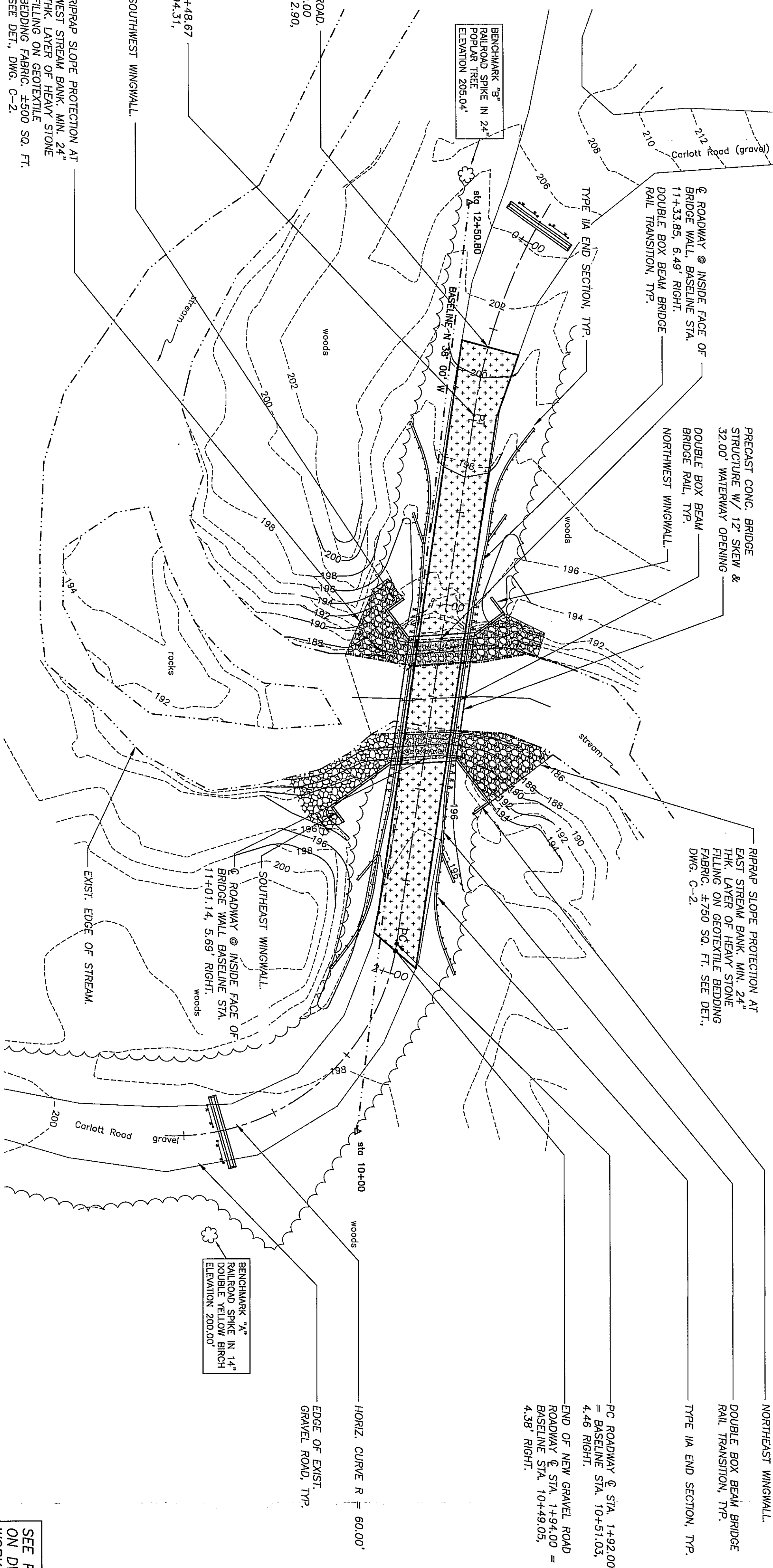
RIPPAP SLOPE PROTECTION AT
EAST STREAM BANK, MIN. 24"
THK. LAYER OF HEAVY STONE
FILLING ON GEOTEXTILE BEDDING
FABRIC, ±750 SQ. FT. SEE DET.,
DWG. C-2.

NORTHEAST WINGWALL.
DOUBLE BOX BEAM BRIDGE
RAIL TRANSITION, TYP.
TYPE IIA END SECTION, TYP.
PC ROADWAY @ STA. 1+92.00
= BASELINE STA. 10+51.03,
4.46' RIGHT.
END OF NEW GRAVEL ROAD
ROADWAY @ STA. 1+94.00 =
4.38' RIGHT.

END OF NEW GRAVEL ROAD.
ROADWAY @ STA. 0+30.00
ROADWAY @ STA. 12+12.90,
9.59' RIGHT.
PT. ROADWAY @ STA. 0+48.87
= BASELINE STA. 11+94.31,
7.98' RIGHT.

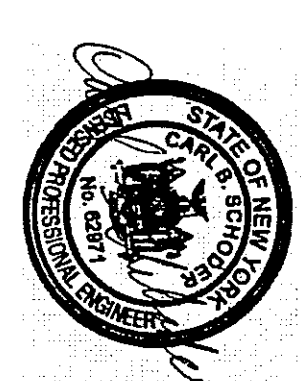
SOUTHWEST WINGWALL

RIPPAP SLOPE PROTECTION AT
WEST STREAM BANK, MIN. 24"
THK. LAYER OF HEAVY STONE
FILLING ON GEOTEXTILE
BEDDING FABRIC, ±500 SQ. FT.
SEE DET., DWG. C-2.



SITE PLAN
1"=20'-0"

SEE PROJECT COORDINATION NOTES
ON DWG. N-1 FOR DESCRIPTIONS OF
WORK TO BE PERFORMED BY THE
CONTRACTOR, OWNER AND PRECAST
CONCRETE STRUCTURES SUPPLIER.

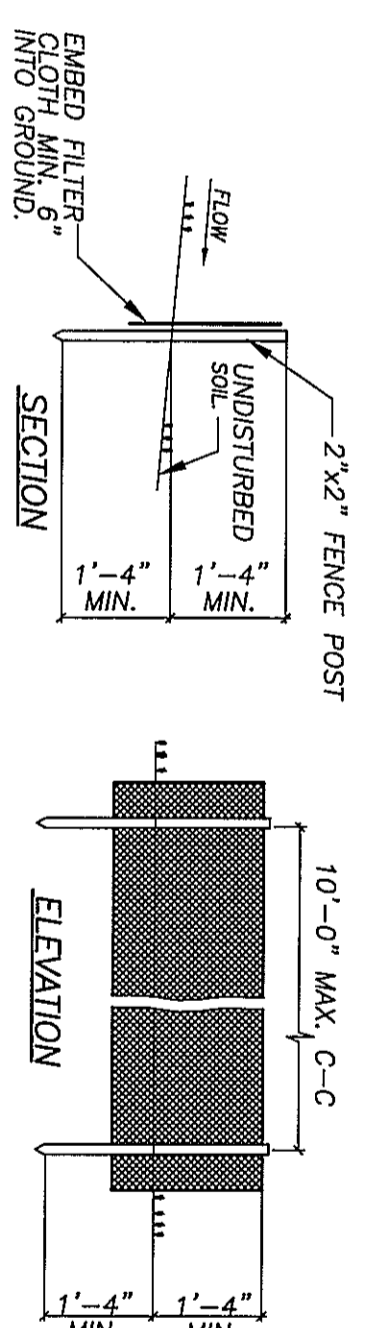
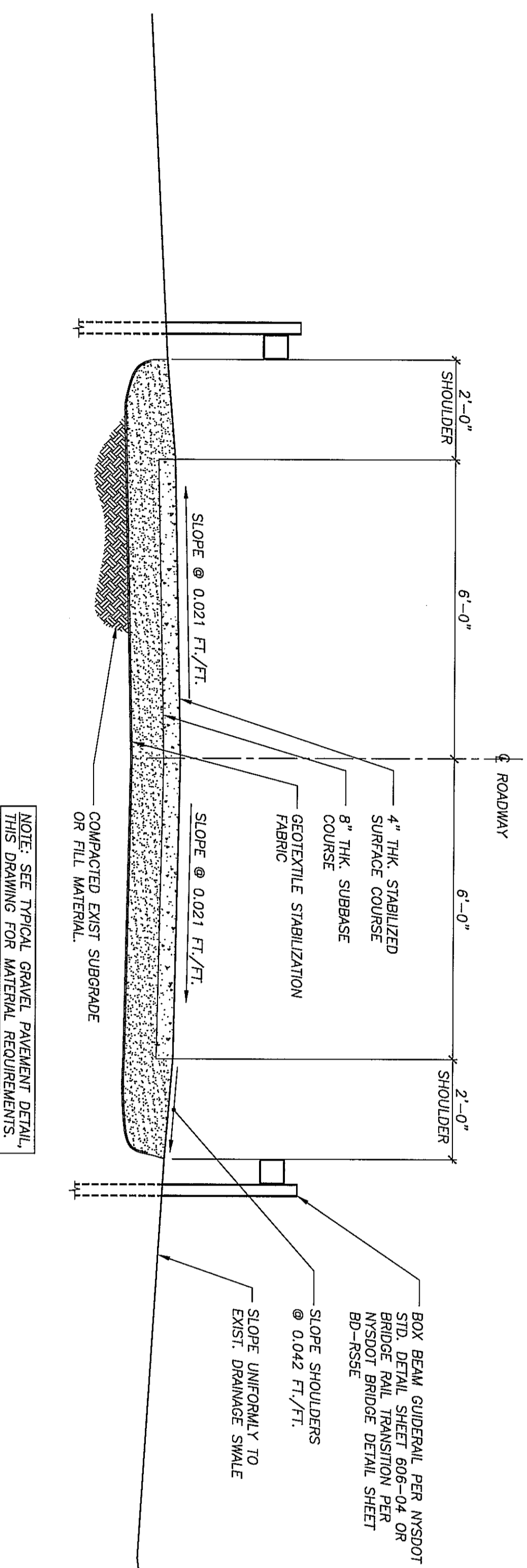


**SR SCHOEDER RIVERS
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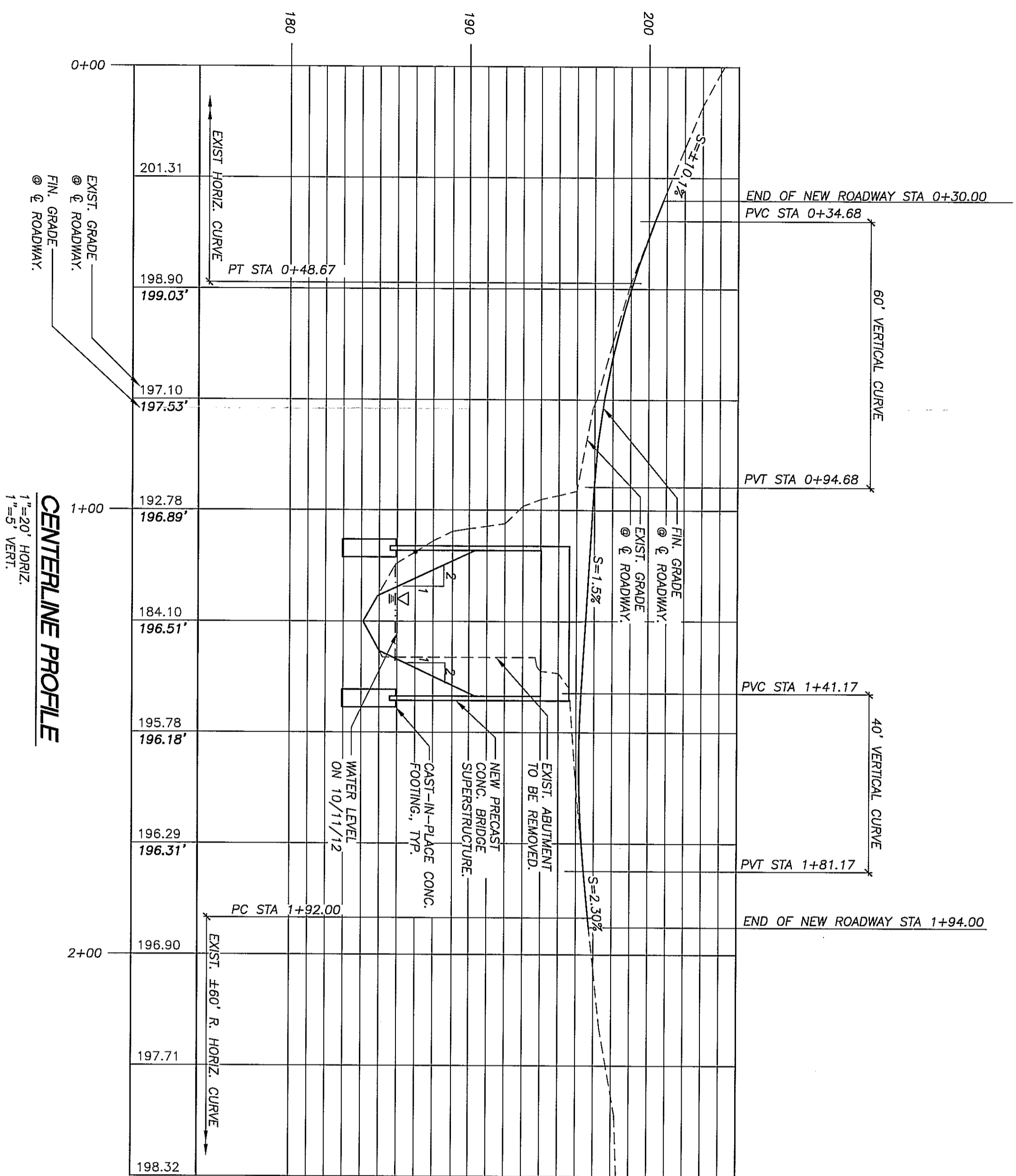
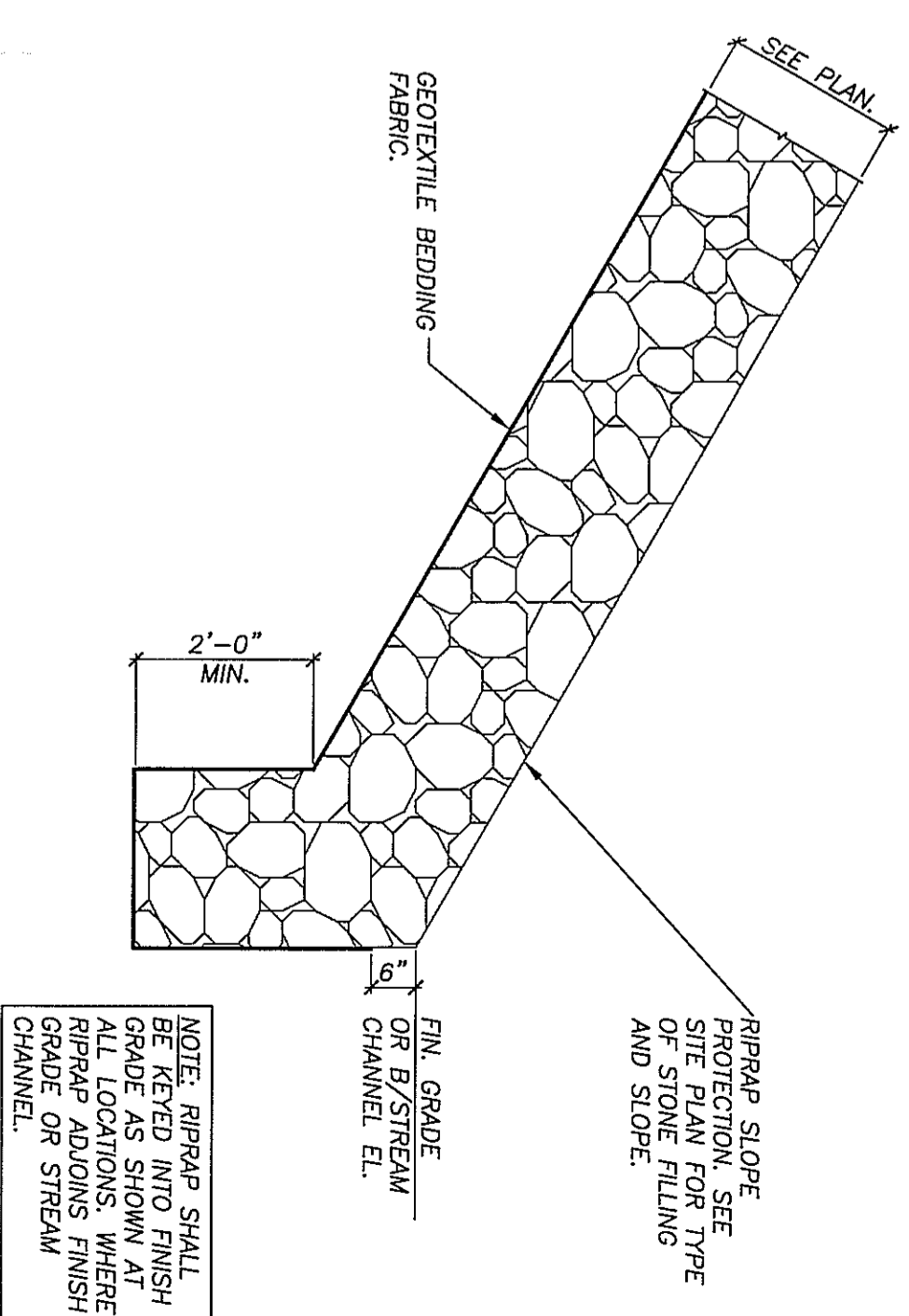
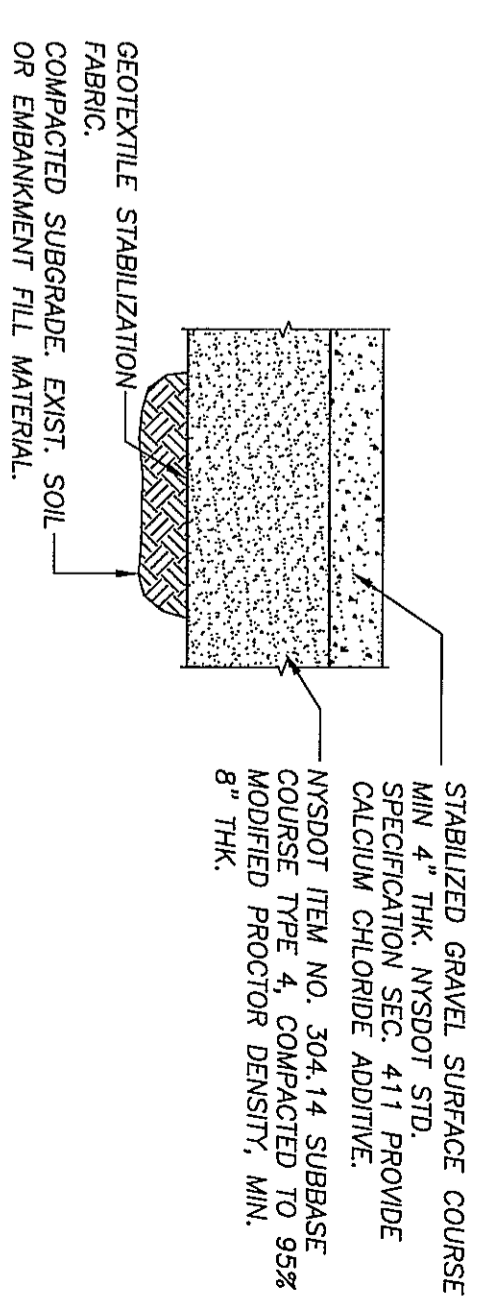
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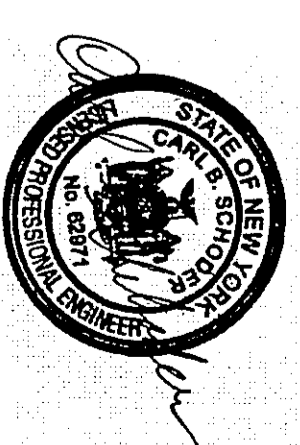
DRAWING TITLE
CARLOTT ROAD BRIDGE
OVER SPRUCE MILL BROOK
BRIDGE REPLACEMENT
EROSION CONTROL & REMOVAL
PLAN & SITE PLAN
DRAWING NO. SH-1 OF 2
REV. 2
C-1



- NOTES**
1. FILTER CLOTH TO BE FASTENED SECURELY TO POSTS WITH STAPLES OR TIES AT 6" MAX. SPACING.
 2. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER UNDISTURBED SOIL SHOULD BE MAINTAINED.
 3. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.



REV.	DATE	DESCRIPTION
0	2/1/13	FOR REVIEW
1	2/11/13	FOR CONSTRUCTION
2	3/20/13	CHANGES PER COUNTY REVIEW.



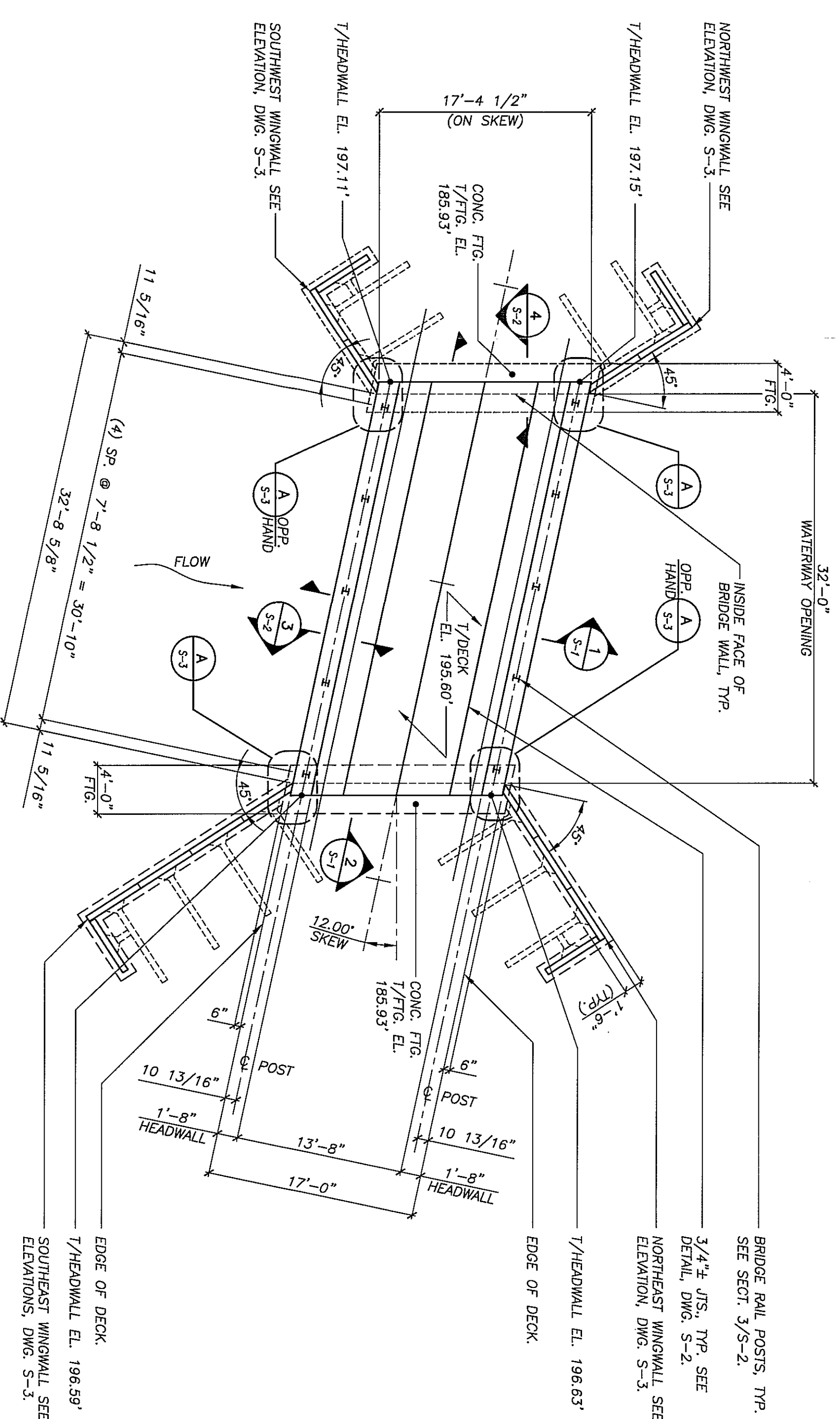
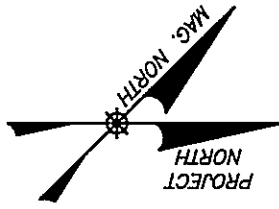
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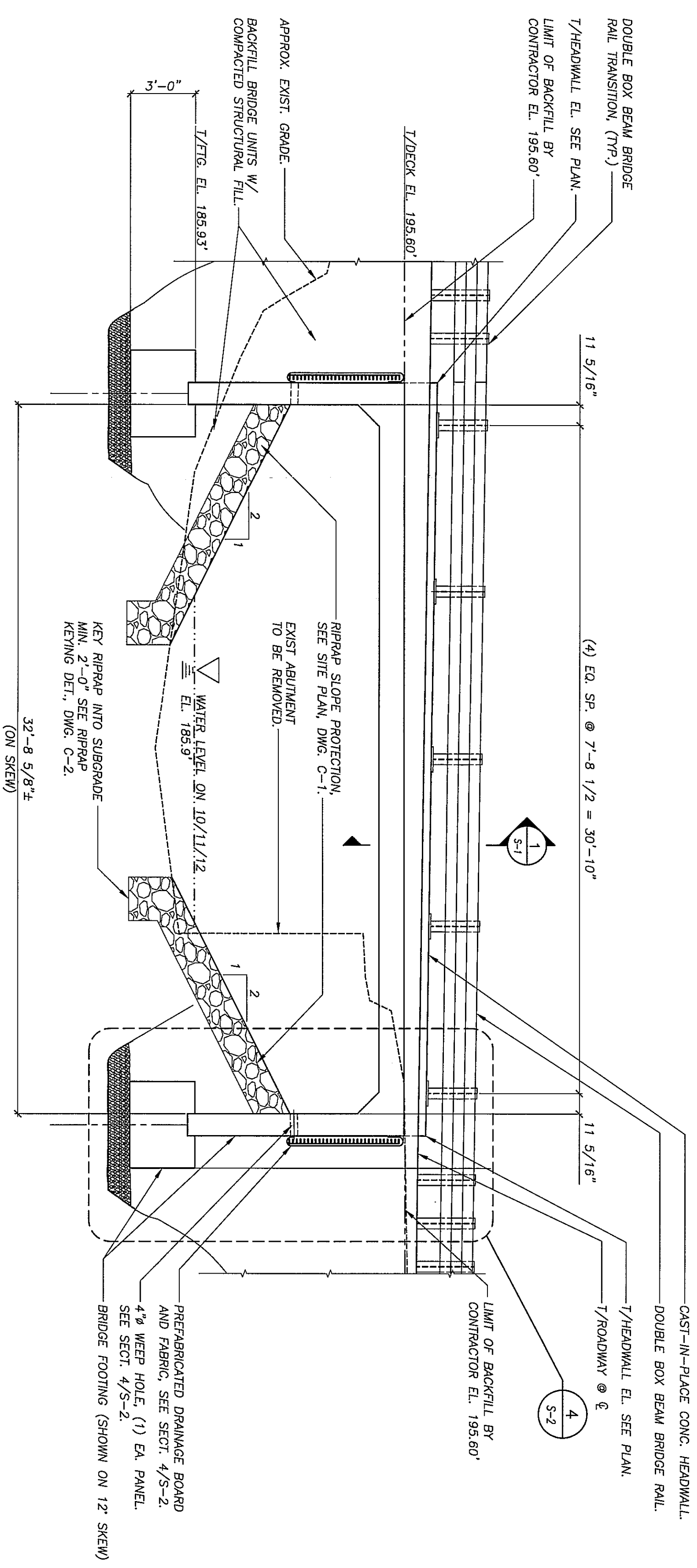
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DATE: 2/7/13 | ENG. BY: EBH
PROJ. NO: 12-474.10 | CHK'D BY: CBS
CLIENT NAME: ESSEX COUNTY DEPARTMENT OF PUBLIC WORKS
DRAWING TITLE: CARLOTT ROAD BRIDGE OVER SOURCE WILL BROOK BRIDGE REPLACEMENT ROADWAY PROFILE AND SITE DETAILS

SEE PROJECT COORDINATION NOTES ON DMG. N-1 FOR DESCRIPTIONS OF WORK TO BE PERFORMED BY THE CONTRACTOR, OWNER AND PRECAST CONCRETE STRUCTURES SUPPLIER.

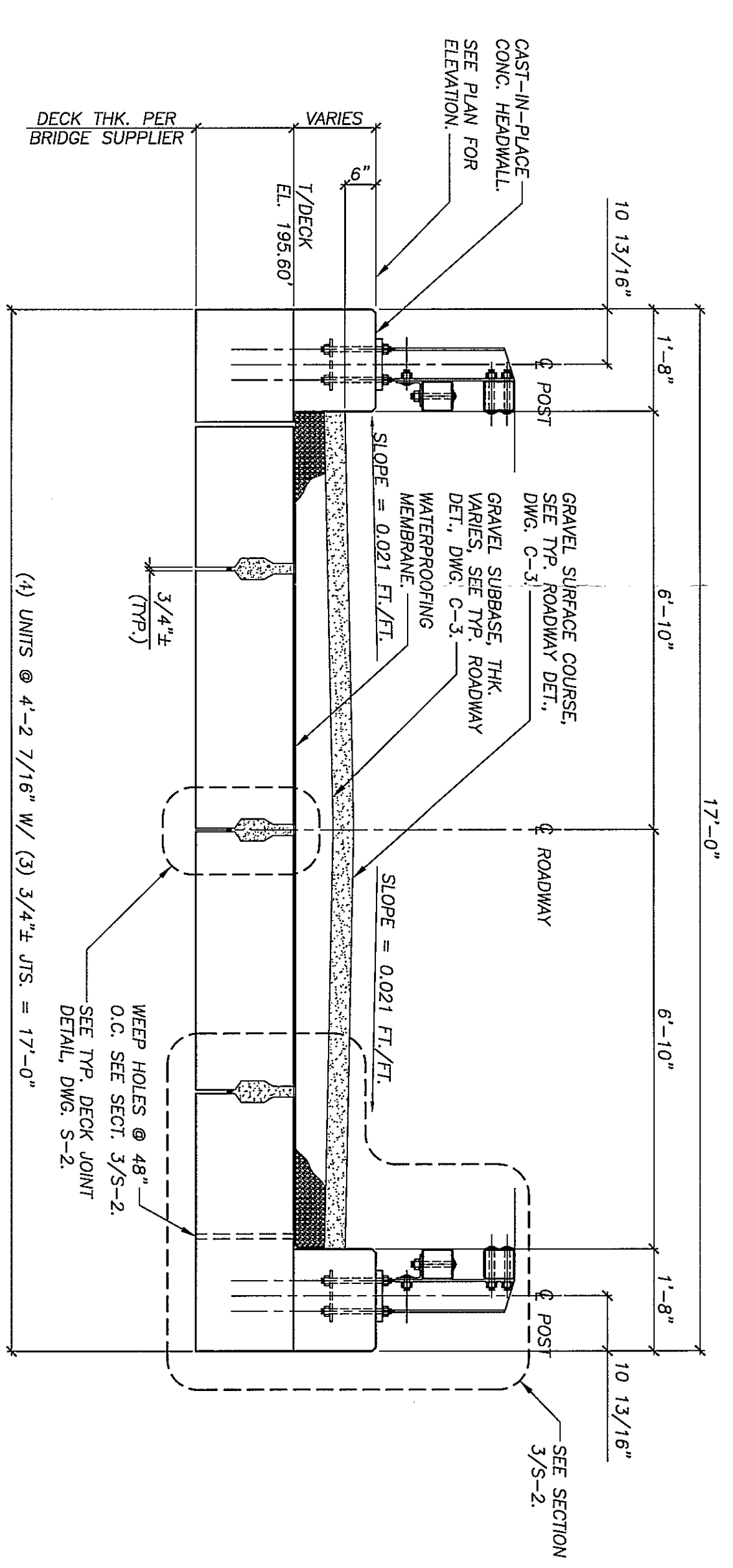
DRAWING NO. **C-2**
SHT. 2 OF 2
REV. 2



DECK FRAMING PLAN
1/8"=1'-0"



SECTION 2
1/4"=1'-0"



SECTION 1
1/2"=1'-0"

SEE PROJECT COORDINATION NOTES ON DWG. N-1 FOR DESCRIPTIONS OF WORK TO BE PERFORMED BY THE CONTRACTOR, OWNER AND PRECAST CONCRETE STRUCTURES SUPPLIER.

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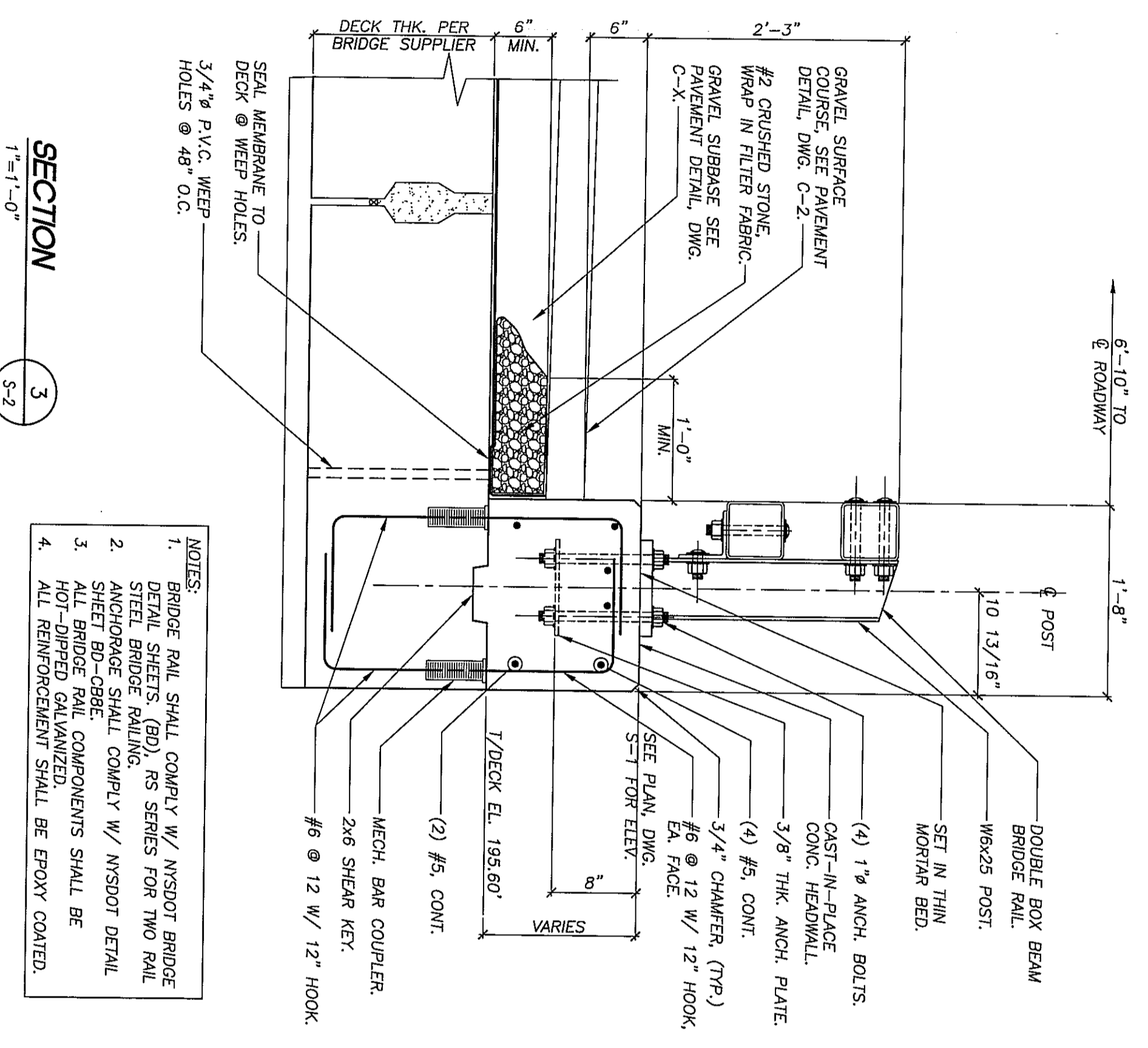
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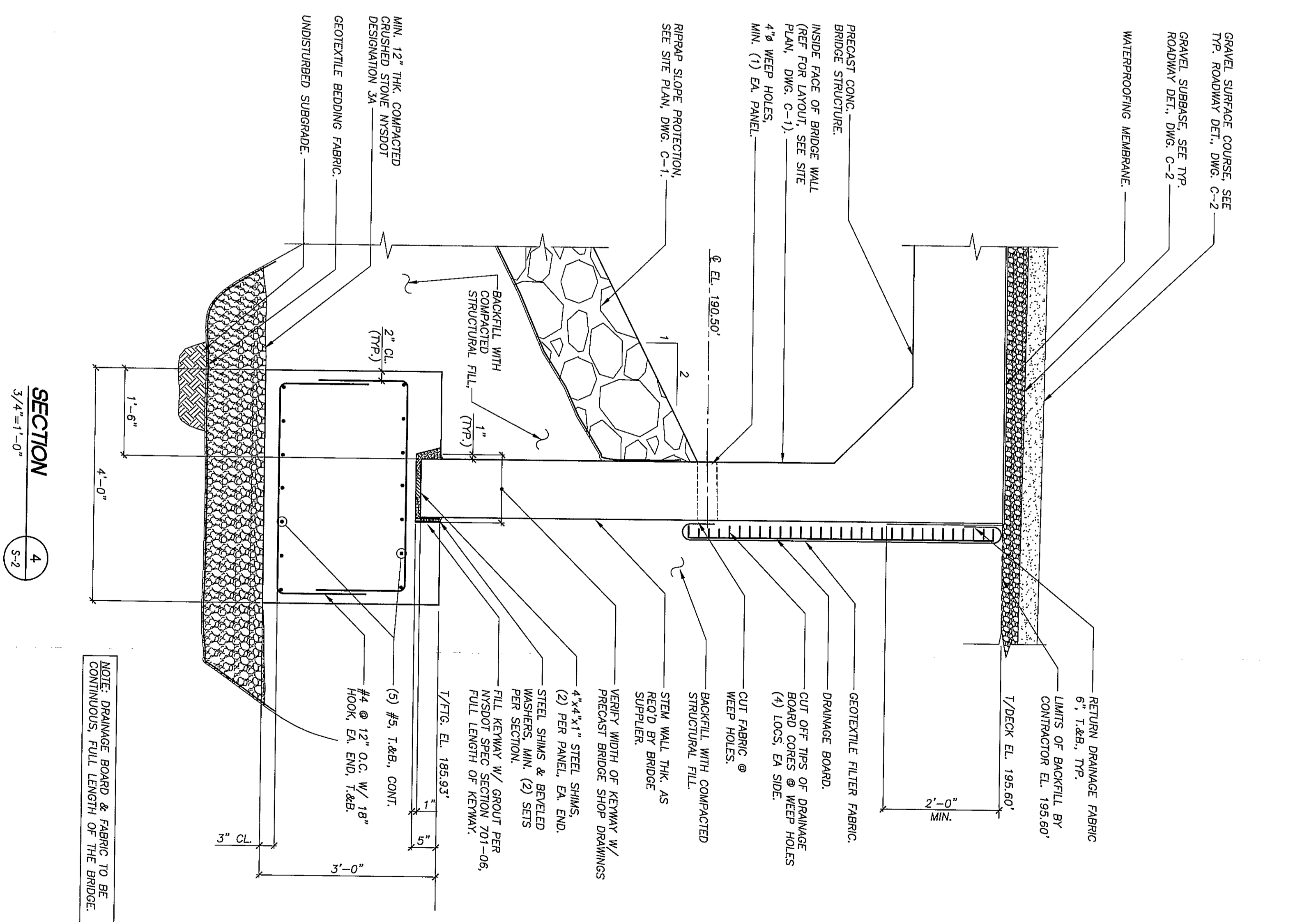
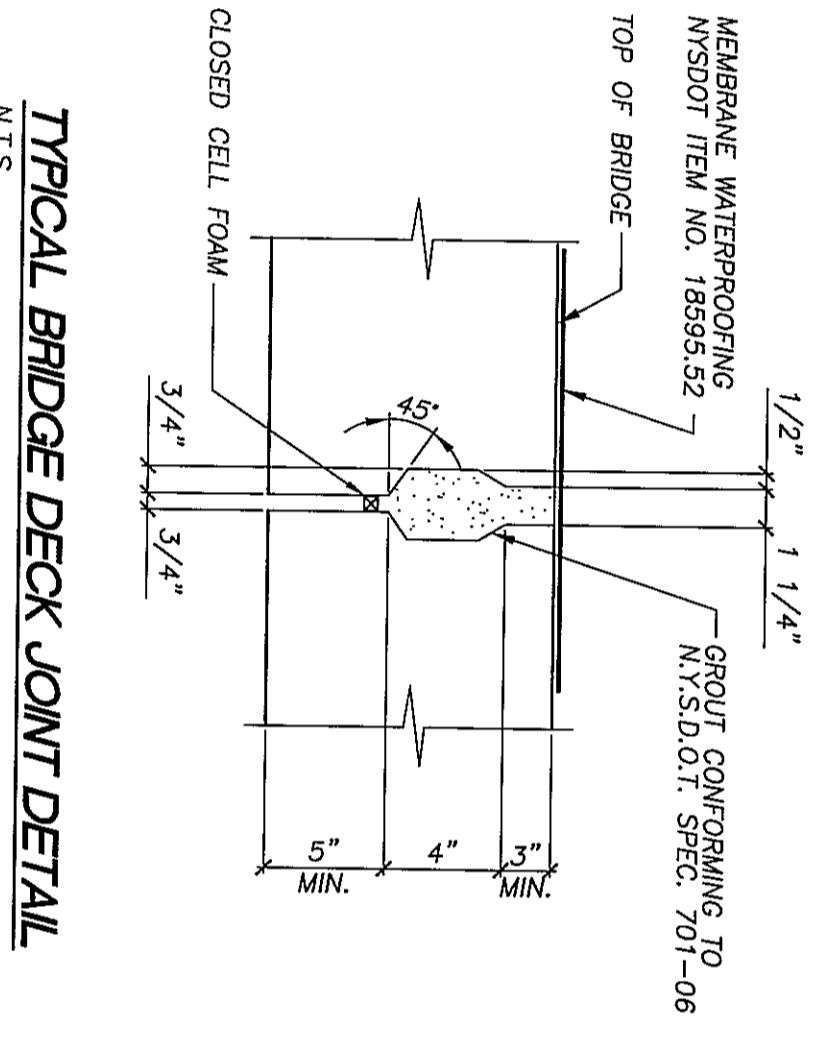
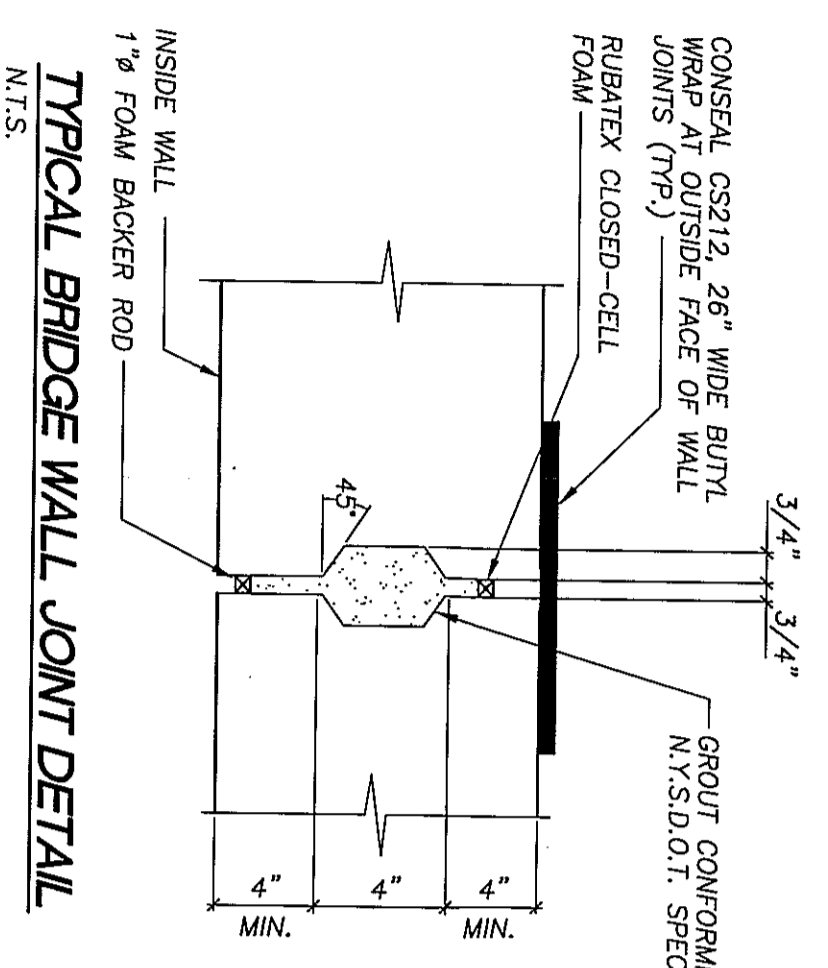
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ELIZABETHTOWN, N.Y.

DRAWING TITLE
CARLOTT ROAD BRIDGE
OVER SPRUCE MILL BROOK
BRIDGE REPLACEMENT
DECK FRAMING PLAN
AND SECTIONS

DRAWING NO. **S-1** SH. 1 OF 3
REV. 2

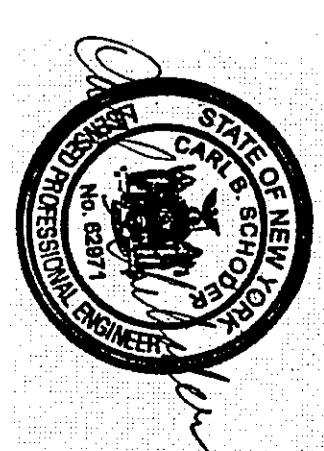


- NOTES:**
- BRIDGE RAIL SMALL COMPONENTS SHALL COMPLY W/ NYS DOT BRIDGE DETAIL SHEETS (BD), RS SERIES FOR TWO RAIL STEEL BRIDGE RAILING.
 - BRIDGE RAIL SMALL COMPONENTS SHALL COMPLY W/ NYS DOT DETAIL SHEET BR-08.
 - ALL BRIDGE RAIL COMPONENTS SHALL BE HOT-DIPPED GALVANIZED.
 - ALL REINFORCEMENT SHALL BE EPOXY COATED.



NOTE: DRAINAGE BOARD & FABRIC TO BE CONTINUOUS, FULL LENGTH OF THE BRIDGE.

SEE PROJECT COORDINATION NOTES ON DWG. N-1 FOR DESCRIPTIONS OF WORK TO BE PERFORMED BY THE CONTRACTOR, OWNER AND PRECAST CONCRETE STRUCTURES SUPPLIER.



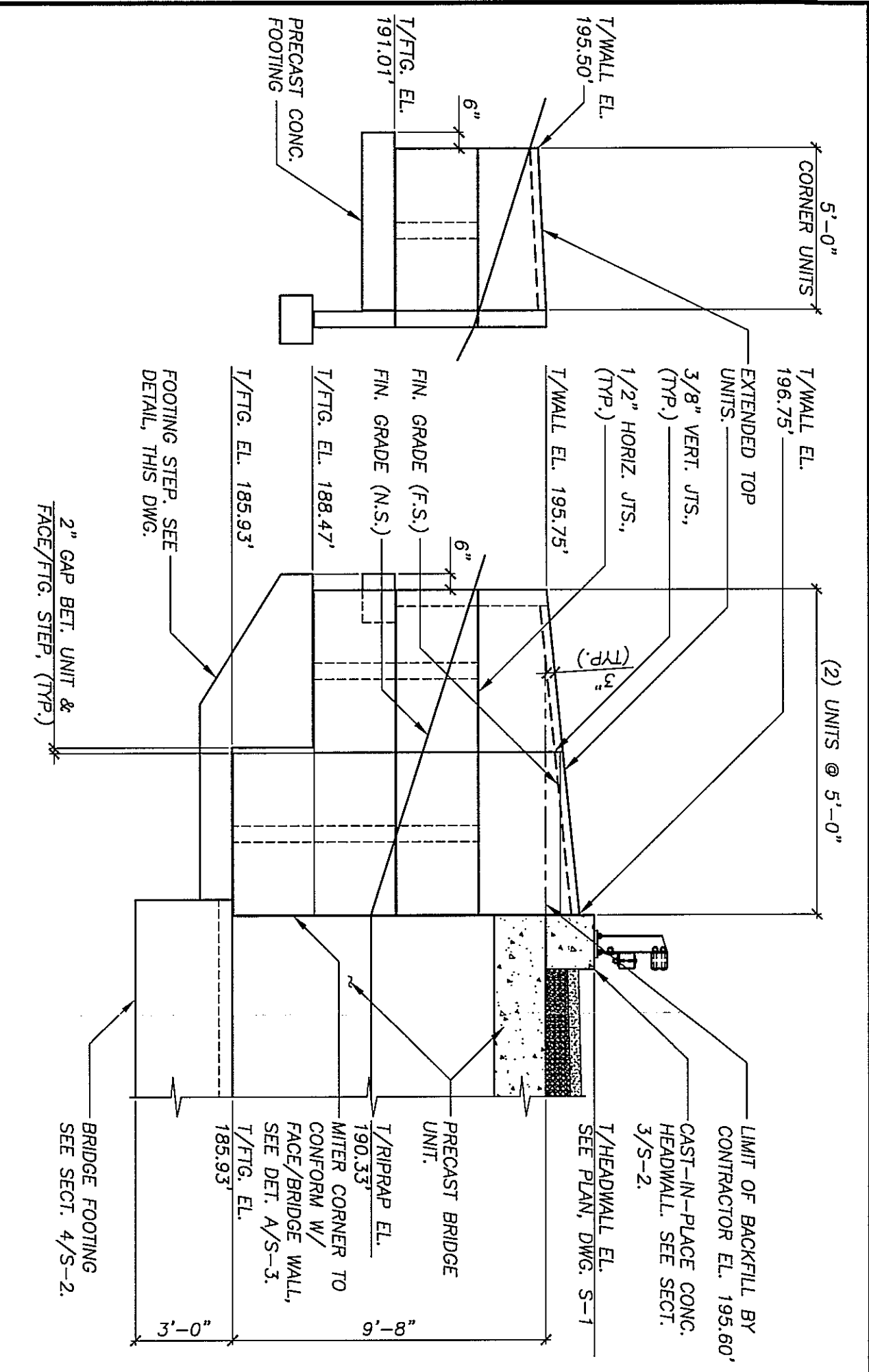
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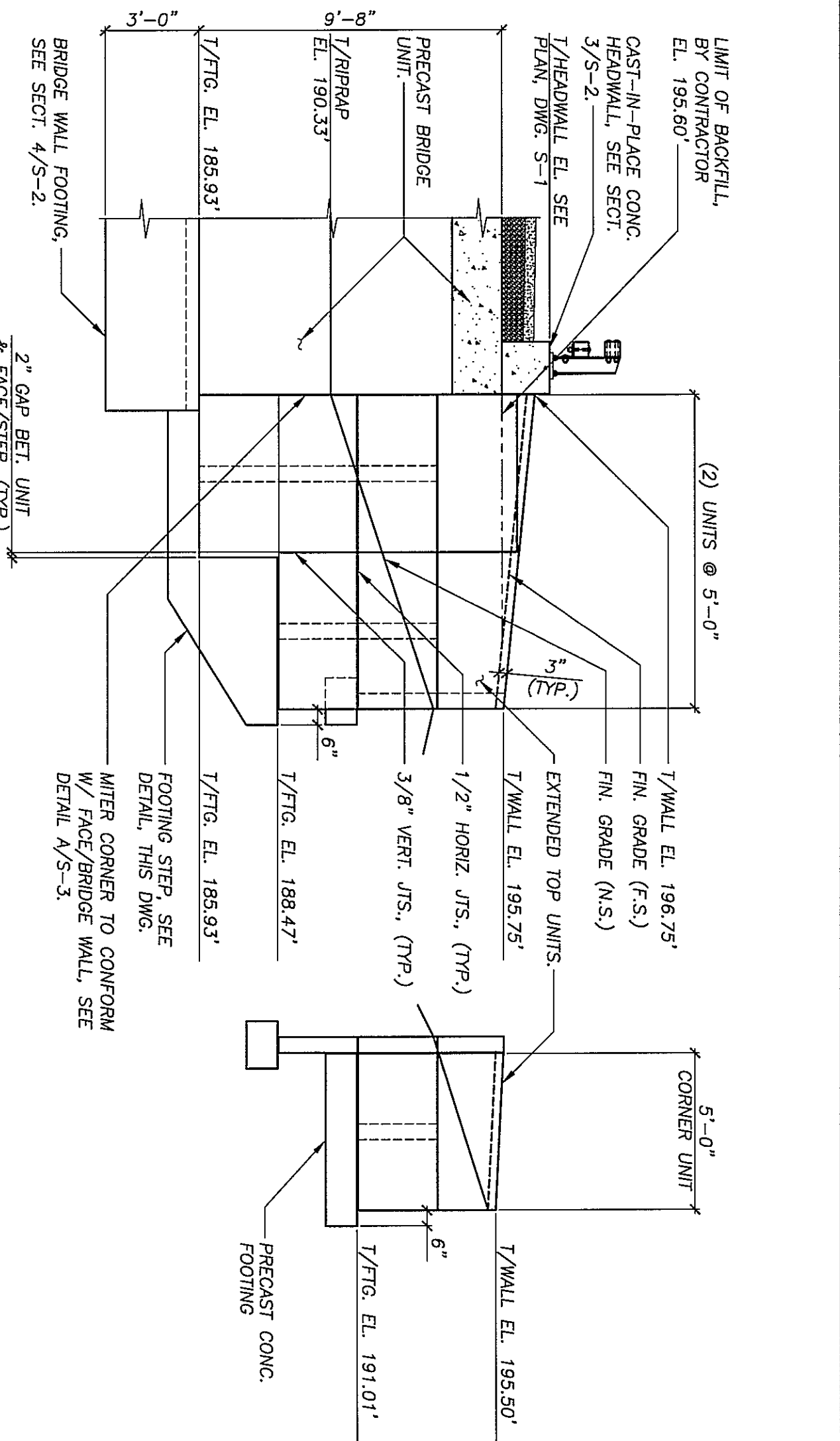
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1	2/11/13	FOR CONSTRUCTION
2	3/26/13	REVIEW

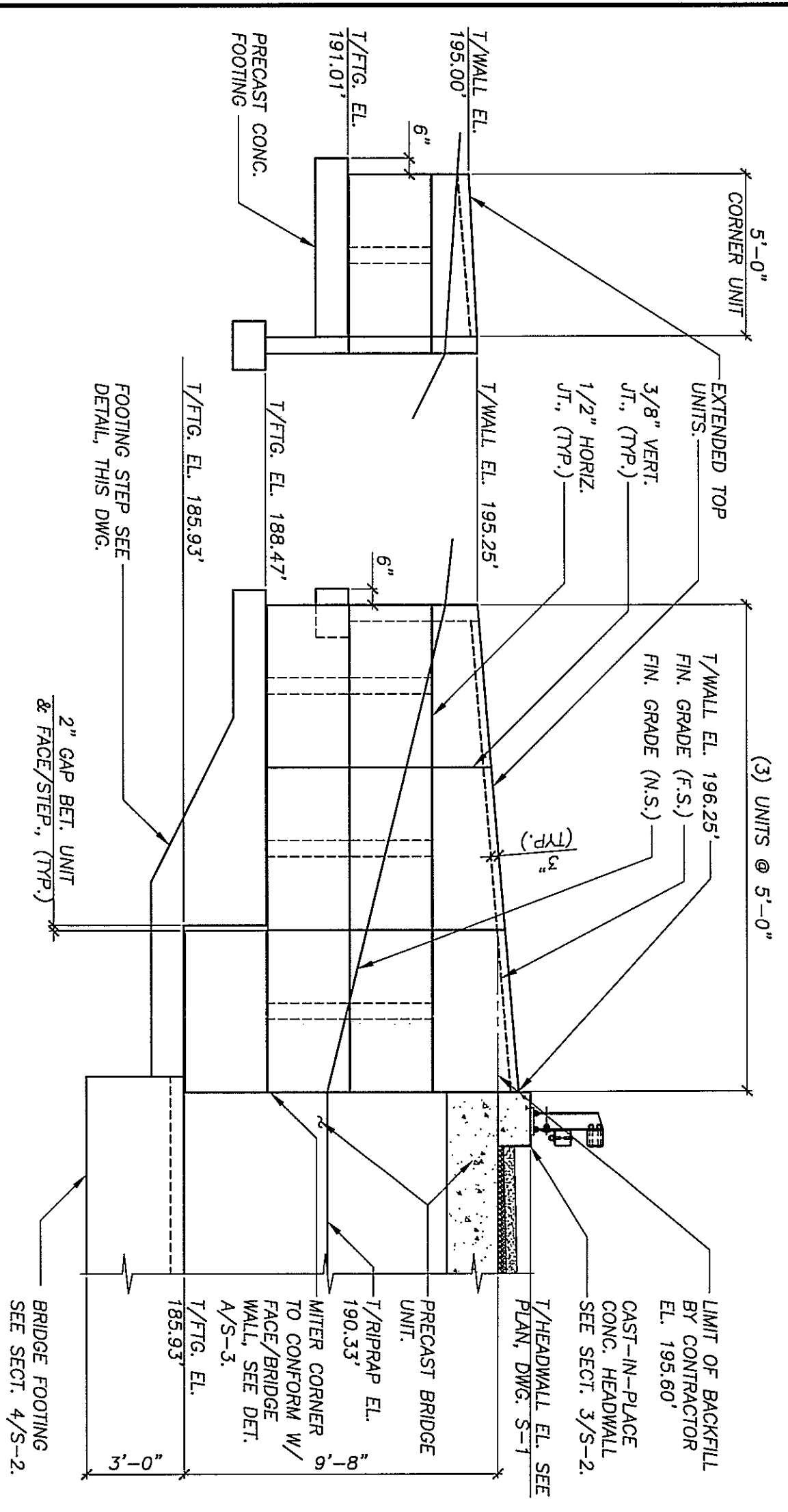
DRAWING NO. **S-2** OF 3
 REV. 2



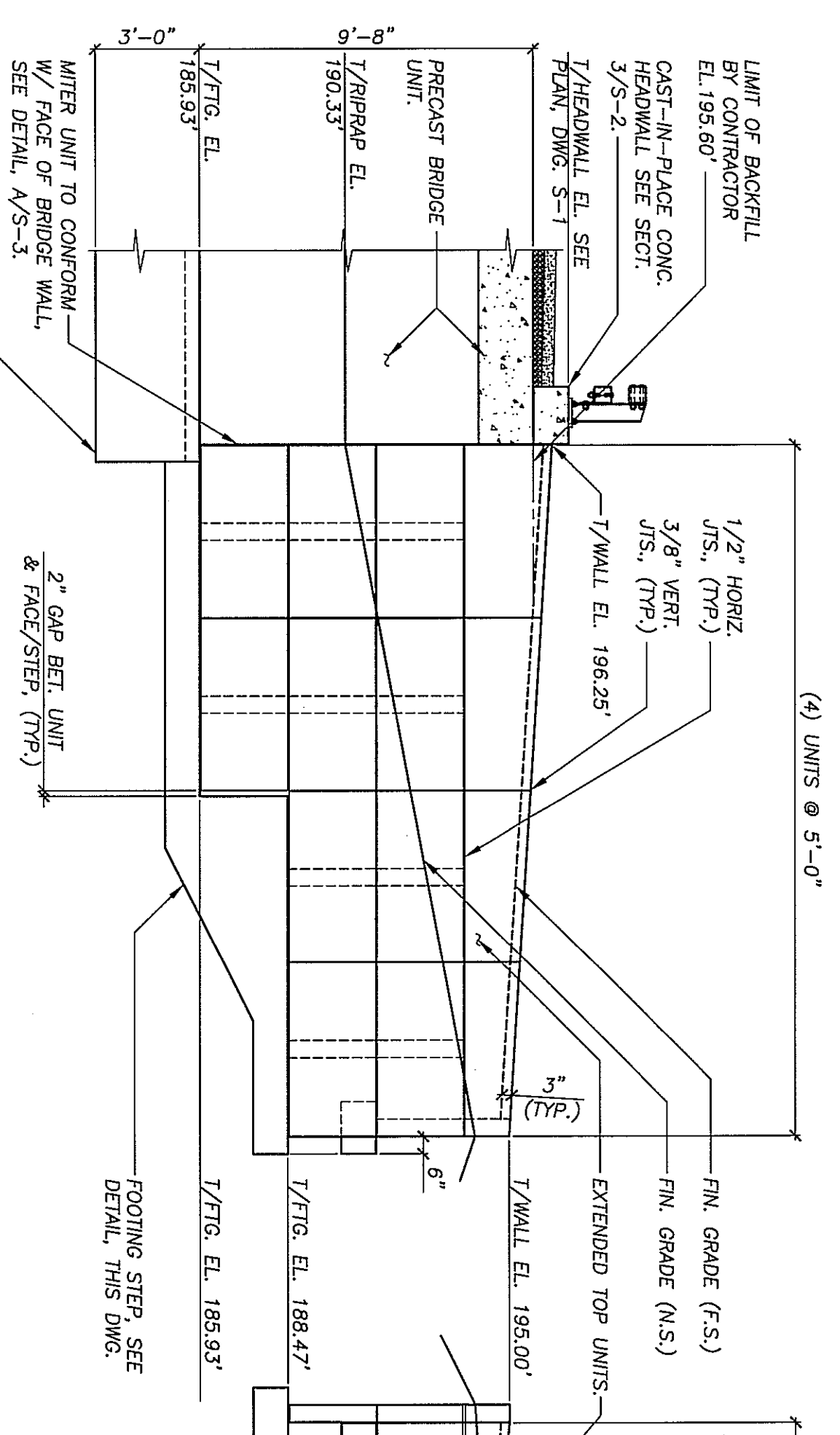
SOUTHWEST WINGWALL ELEVATION
1/4"=1'-0"



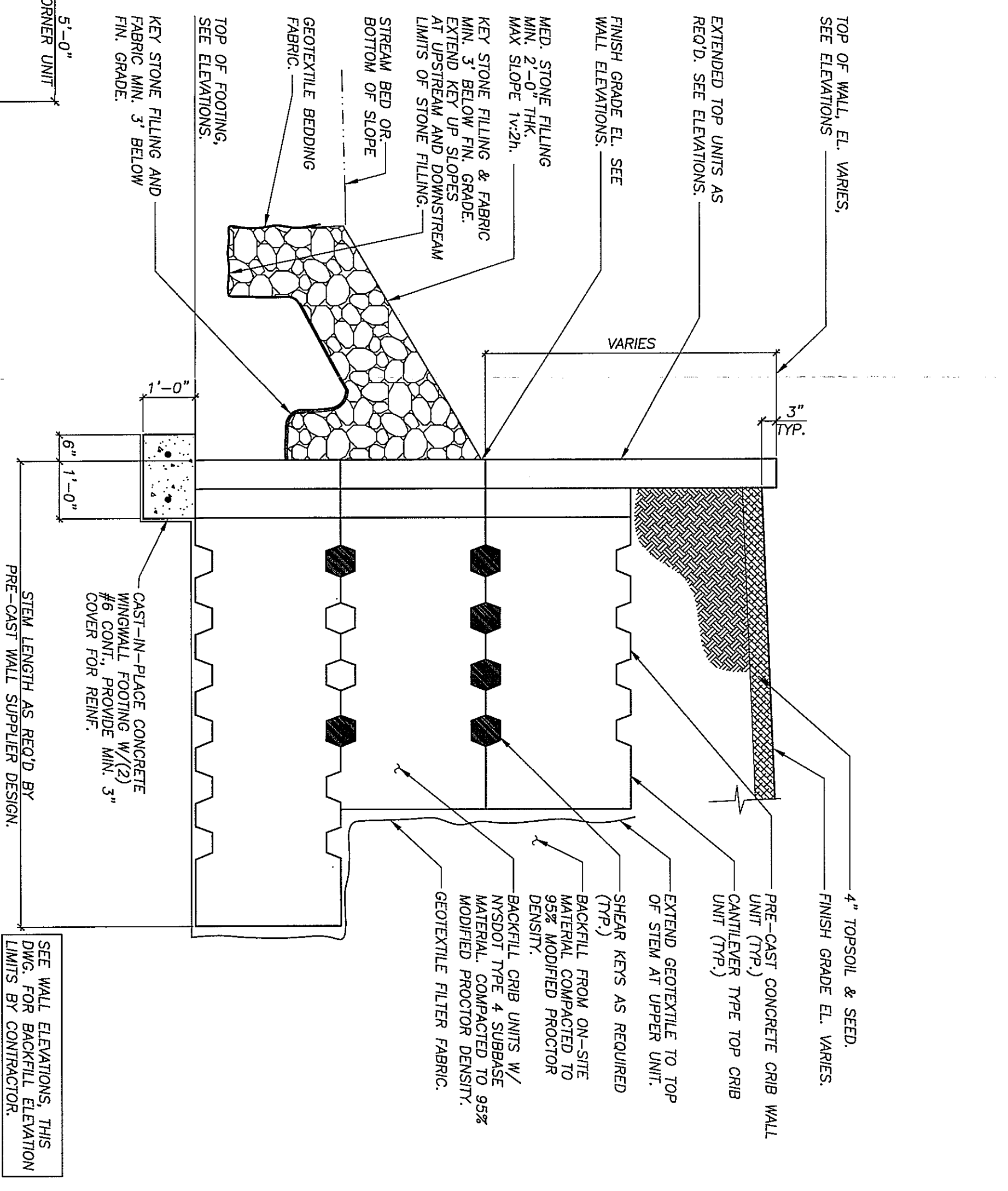
NORTHWEST WINGWALL ELEVATION
1/4"=1'-0"



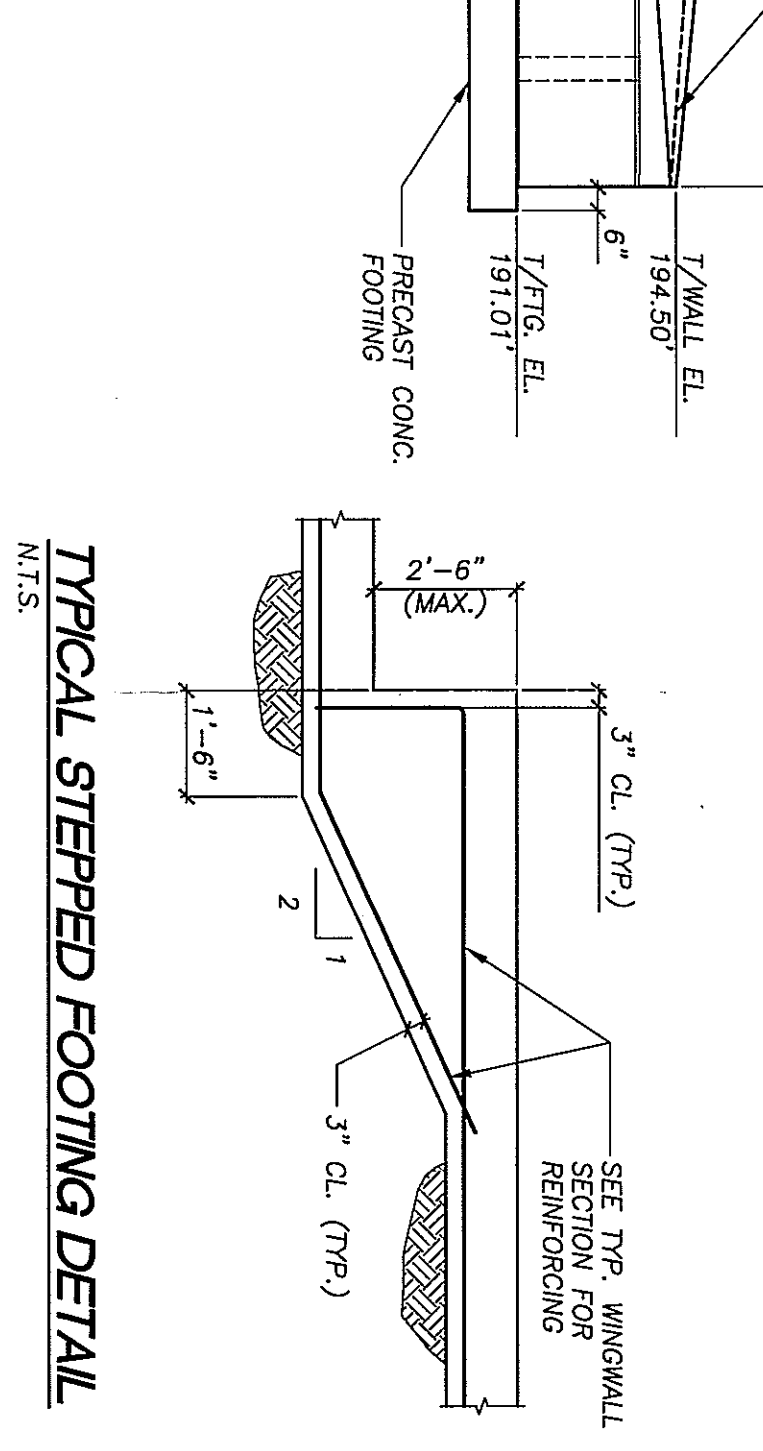
NORTHEAST WINGWALL ELEVATION
1/4"=1'-0"



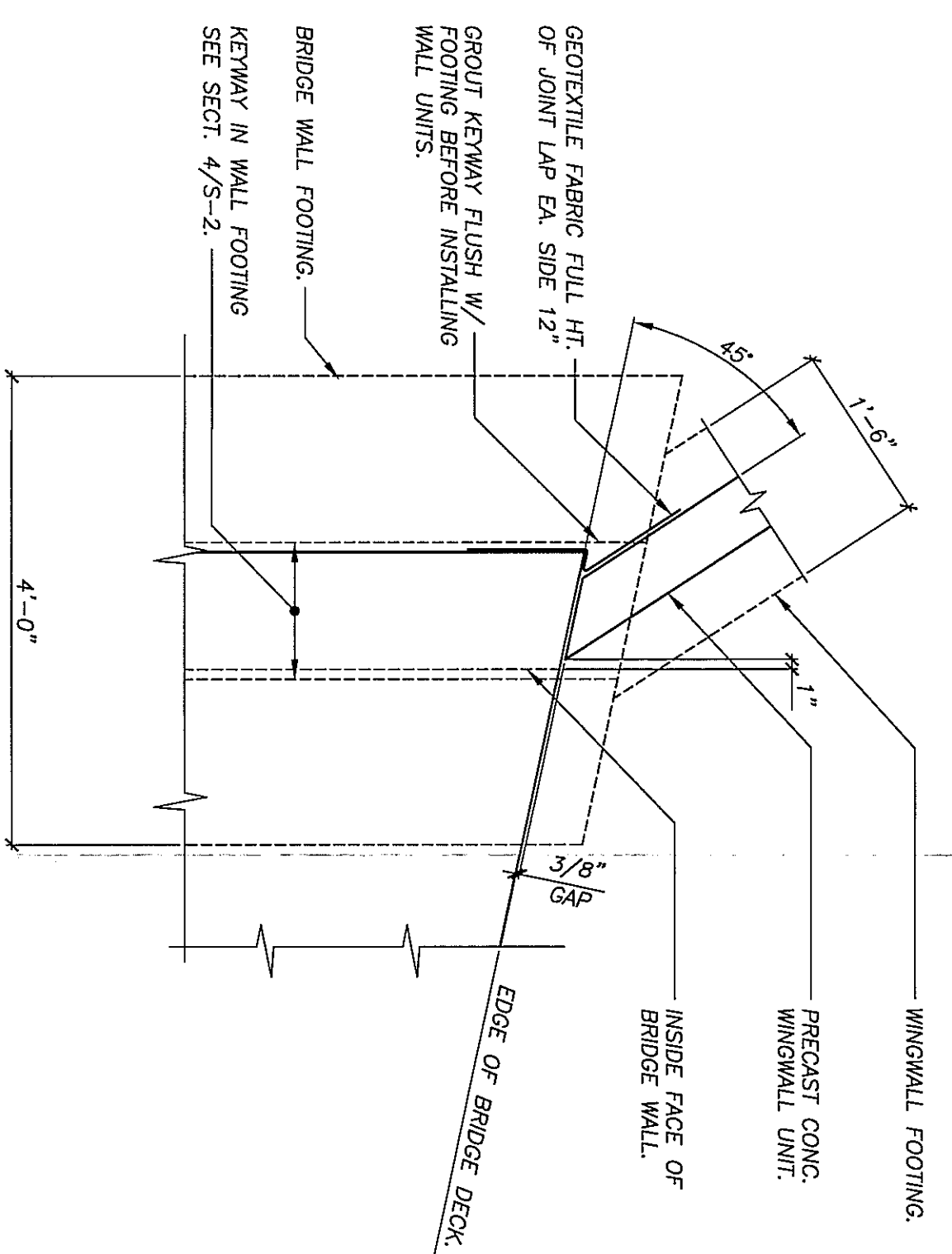
SOUTHEAST WINGWALL ELEVATION
1/4"=1'-0"



TYPICAL PRECAST CONCRETE CRIB-TYPE WINGWALL SECTION
N.T.S.

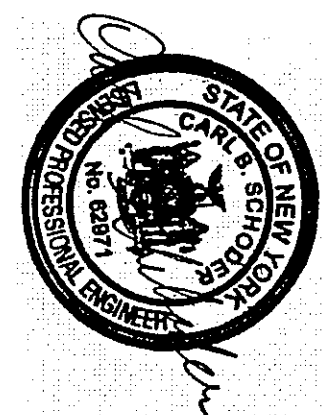


TYPICAL STEPPED FOOTING DETAIL
N.T.S.



DETAIL
3/4"=1'-0"

SEE PROJECT COORDINATION NOTES ON DWG. N-1 FOR DESCRIPTIONS OF WORK TO BE PERFORMED BY THE CONTRACTOR, OWNER AND PRECAST CONCRETE STRUCTURES SUPPLIER.



UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 2209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

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ESSEX COUNTY DEPARTMENT OF PUBLIC WORKS
ELIZABETHTOWN, N.Y.

CARLOTT ROAD BRIDGE OVER SPRUCE MILL BROOK BRIDGE REPLACEMENT WINGWALL ELEVATIONS AND DETAILS

DRAWING NO. **S-3**
SHT. 3 OF 3
REV. 2

SCALE: AS NOTED
DATE: 2/1/13
PROJ. NO: 12-474.10
CLIENT NAME: ESSEX COUNTY DEPARTMENT OF PUBLIC WORKS
DRAWING TITLE: CARLOTT ROAD BRIDGE OVER SPRUCE MILL BROOK BRIDGE REPLACEMENT WINGWALL ELEVATIONS AND DETAILS