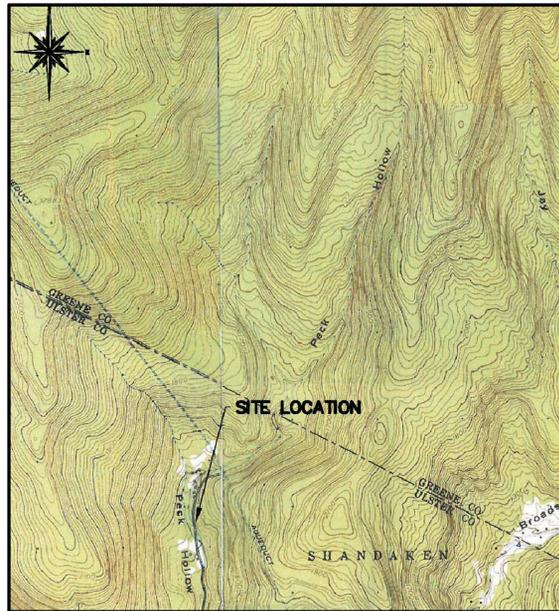


CONTRACT NO. TS-162

PECK HOLLOW ROAD BRIDGE REPLACEMENT  
BIN 2270010  
PW-8317 FEMA 4020 DR NY



LOCATION MAP  
WESTKILL AND LEXINGTON QUADRANGLE  
7.5 MINUTE USGS TOPOGRAPHIC MAP  
SCALE: 1" = 2000'

TOWN OF SHANDAKEN ULSTER COUNTY NEW YORK

TOWN OFFICIALS

ROBERT A. STANLEY, TOWN SUPERVISOR

TOWN COUNCIL  
TIMOTHY MALLORY  
FAYE STORMS  
PETER DISCIAFANI  
GAEL ALBA

JOYCE GRANT, TOWN CLERK  
ERIC HOFMEISTER, HIGHWAY SUPERINTENDENT

JANUARY 2016

BRINNIER AND LARIOS, P. C.  
PROFESSIONAL ENGINEERS AND LAND SURVEYORS  
67 MAIDEN LANE  
KINGSTON, NEW YORK  
(845) 338-7622

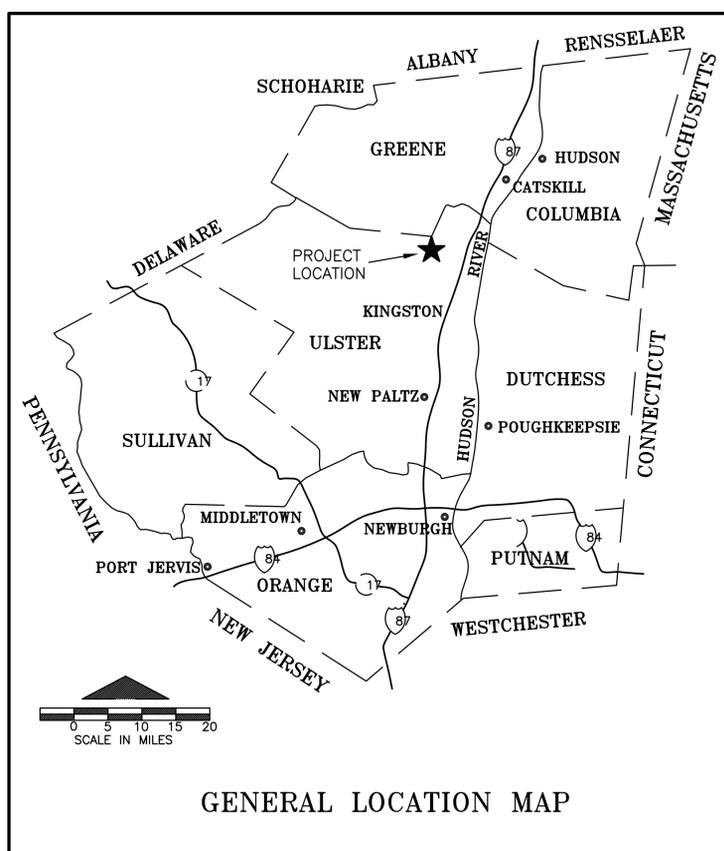


Unauthorized alteration or addition to a plan bearing a licensed engineer's seal is a violation of section 7209, subdivision 2, of the New York State Education Law.



SHEET INDEX

SHEET NO.	DESCRIPTION
C1.	EXISTING CONDITIONS
C2.	DEMOLITION AND STREAM PROTECTION PLANS
C3.	TEMPORARY ACCESS ROAD PLAN
C4.	SITE PLAN
S1.	FOUNDATION PLAN AND STRUCTURAL NOTES
S2.	BRIDGE FRAMING PLAN
S3.	PRECAST DECK PANEL PLAN
S4.	SECTIONS AND DETAILS
S5.	DETAILS
S6.	GUIDE RAIL PLAN
S7.	GUIDE RAIL DETAILS
S8.	ALTERNATE BID #1 FOUNDATION PLAN
S9.	ALTERNATE BID #1 SECTION AND DETAILS

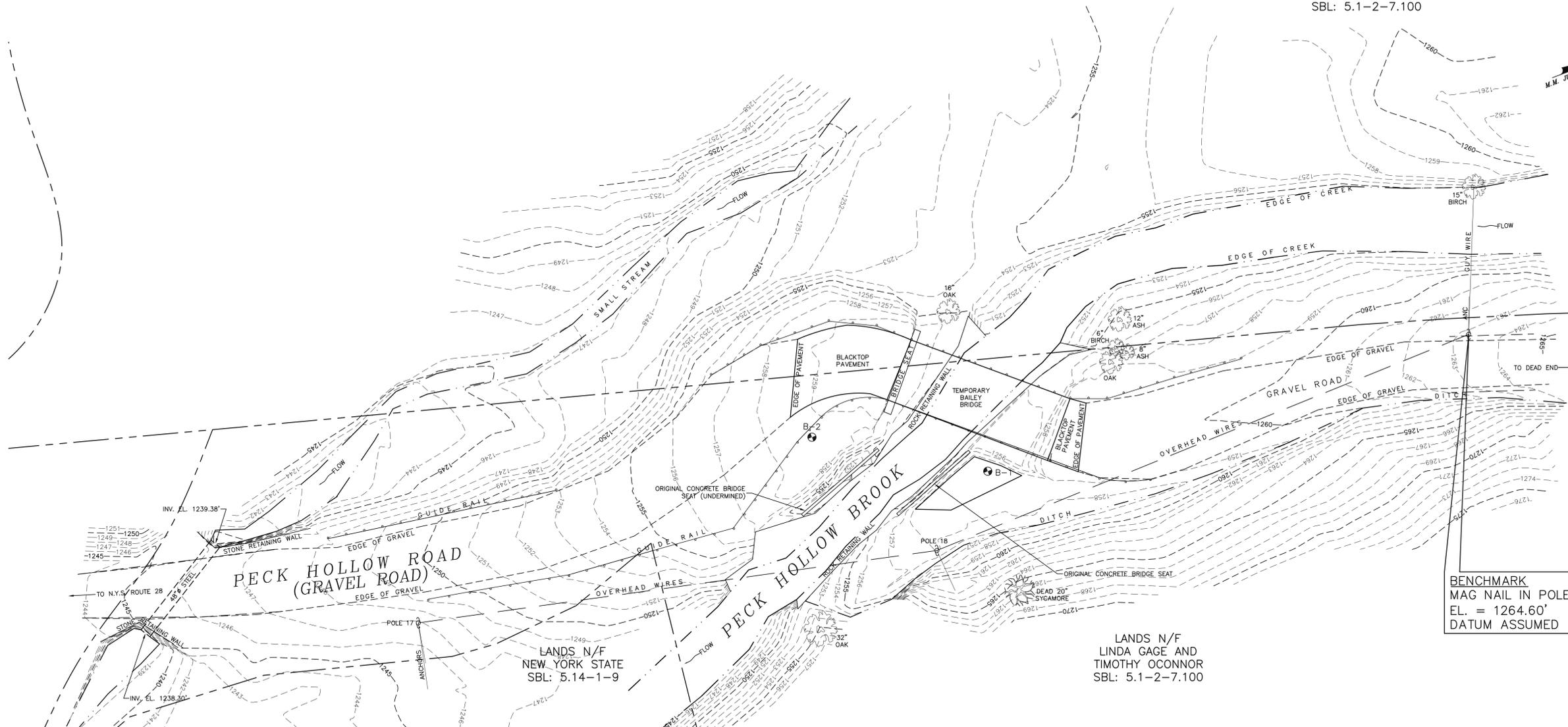
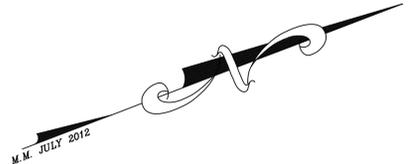


GENERAL LOCATION MAP

JOHN STINEMIRE, P.E., CONSULTING ENGINEER  
15 RAILROAD AVENUE KINGSTON, NEW YORK 12401 845-331-8806

LANDS N/F  
LINDA GAGE AND  
TIMOTHY OCONNOR  
SBL: 5.1-2-7.100

M.M. JULY 2012

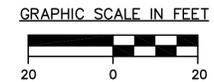


**EXISTING CONDITIONS**  
SCALE: 1" = 20'

**LEGEND**

- 1000 EXISTING CONTOUR
- TREE
- EDGE OF STREAM
- EXISTING OVERHEAD UTILITY LINE
- APPROXIMATE PROPERTY LINE

NOTE:  
1. SEE SPECIFICATION SECTION 02200,  
EARTHWORK FOR SOIL BORING LOGS



**EXISTING CONDITIONS  
CONTRACT NO. TS-162**

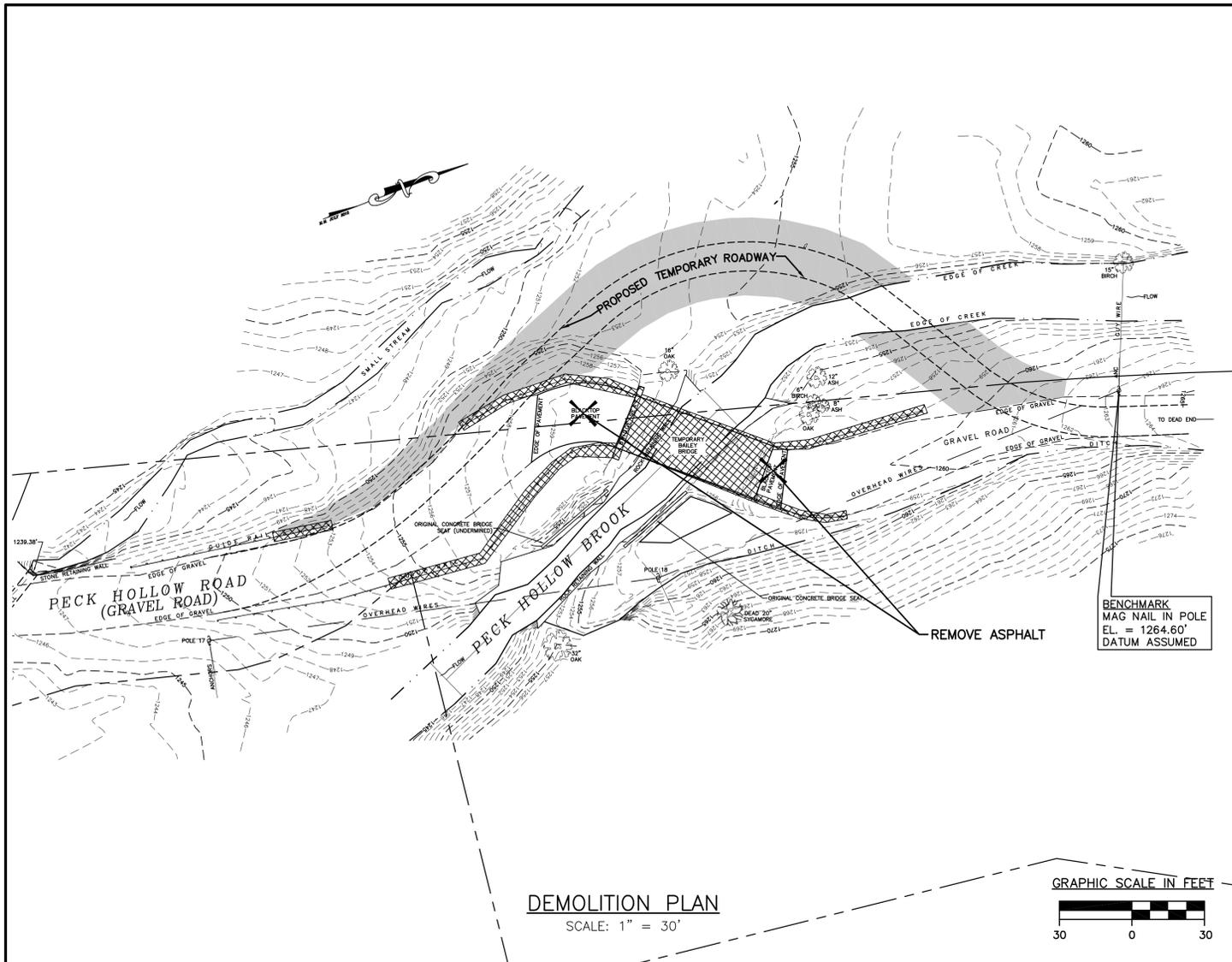
PECK HOLLOW ROAD BRIDGE REPLACEMENT BIN 2270010		PW-8317		FEMA 4020 DR NY	
TOWN OF SHANDAKEN		ULSTER COUNTY		NEW YORK	
DATE		REVISION RECORD		BRINNIER & LARIOS, P.C. ENGINEERS & LAND SURVEYORS 67 MAIDEN LANE KINGSTON, N.Y.	
SCALE		DATE		SHEET NO.	
1" = 20'		JAN. 2016		C1	
		DWG RJS		CHK DML	



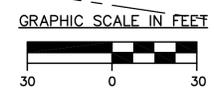
**JOHN STINEMIRE, P.E., CONSULTING ENGINEER**  
15 RAILROAD AVENUE KINGSTON, NEW YORK 12401 845-331-8806

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**DEMOLITION PLAN**  
SCALE: 1" = 30'

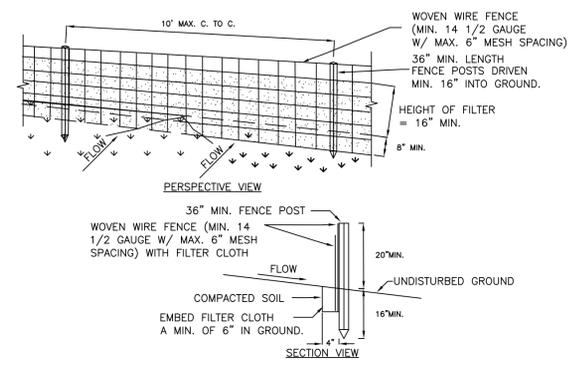


**DEMOLITION NOTES:**

- REMOVE FOR SALVAGE AND DELIVER TO THE TOWN HIGHWAY GRAVEL BANK ON ROUTE 42 THE FOLLOWING ITEMS:
  - GUIDE RAILING
  - TEMPORARY BAILEY BRIDGE
- STREAM PROTECTION MEASURES SHALL BE IN PLACE AND PROPERLY FUNCTIONING PRIOR TO DEMOLITION OF EXISTING BRIDGE ABUTMENTS.
- TREE CLEARING SHALL BE RESTRICTED TO ONLY THOSE AREAS NECESSARY TO CONSTRUCT THE TEMPORARY ACCESS ROAD.

**LEGEND**

- EXISTING CONTOUR
- TREE
- EDGE OF STREAM
- EXISTING OVERHEAD UTILITY LINES
- APPROXIMATE PROPERTY LINE
- TO BE DEMOLISHED AND REMOVED
- TREE TO BE REMOVED



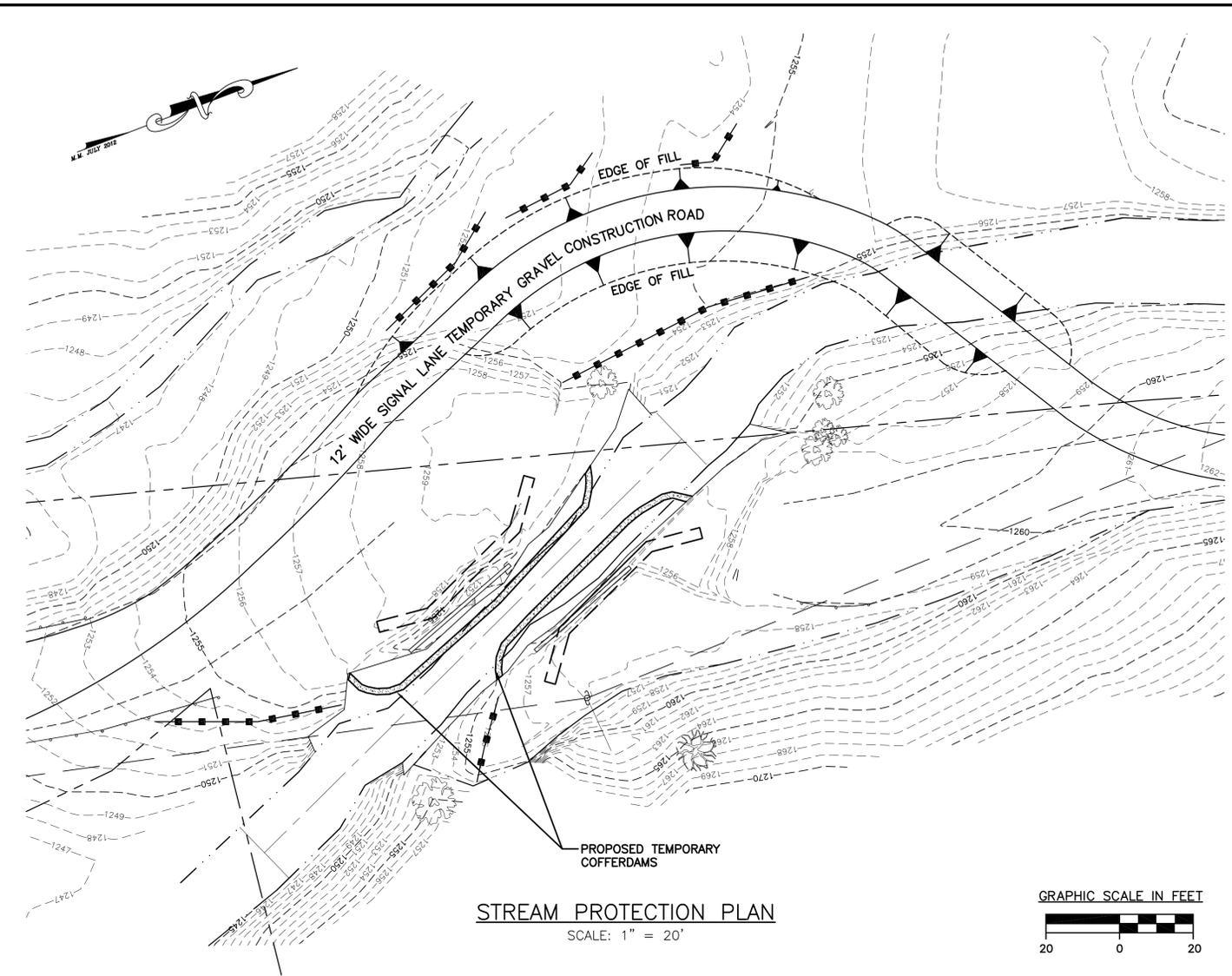
**CONSTRUCTION SPECIFICATIONS**

- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
- FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 12 1/2 GAUGE, 6" MAXIMUM MESH OPENING.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
- PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
- SILT FENCE LOCATIONS AS DEPICTED ON PLANS ARE ILLUSTRATIVE. CONTRACTOR SHALL EXERCISE DILIGENCE WHEN INSTALLING SILT FENCE TO CAPTURE ALL SEDIMENT LADEN RUNOFF.

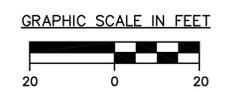
**SILT FENCE DETAIL**  
NOT TO SCALE

**JOHN STINEMIRE, P.E., CONSULTING ENGINEER**  
15 RAILROAD AVENUE KINGSTON, NEW YORK 12401 845-331-8806

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**STREAM PROTECTION PLAN**  
SCALE: 1" = 20'



**STREAM PROTECTION NOTES:**

- THE STREAM PROTECTION PLAN INVOLVES THE CONSTRUCTION OF TEMPORARY EARTHEN COFFERDAMS TO ISOLATE THE WORK AREA. THE PURPOSE OF THE TEMPORARY COFFERDAMS IS TO ALLOW THE STREAM TO FLOW PAST THE WORK AREA AND TO CONTAIN THE SEDIMENT AND SOIL FROM THE CONSTRUCTION ACTIVITIES WITH LITTLE OR NO IMPACT TO THE STREAM. THE GENERAL SEQUENCE OF THE OPERATION WILL BE AS FOLLOWS:
  - INSTALL SILT FENCE ALONG THE PERIMETER OF THE AREA TO BE DISTURBED.
  - INSTALL THE TEMPORARY COFFERDAM ON ONE SIDE OF THE STREAM PRIOR TO COMMENCING THE ABUTMENT DEMOLITION AND CONSTRUCTION WORK. AFTER WORK ON ONE ABUTMENT IS COMPLETED, REMOVE AND REPOSITION THE TEMPORARY COFFERDAM TO THE OTHER SIDE OF THE STREAM.
  - IN STREAM EXCAVATION, IN-STREAM EXCAVATION SHALL BE LIMITED TO ONLY THAT NECESSARY TO ALLOW INSTALLATION AND MAINTENANCE OF THE TEMPORARY COFFERDAM.
  - INSPECTION AND MAINTENANCE. PERIODICALLY INSPECT THE TEMPORARY COFFERDAM TO INSURE ITS INTEGRITY AND FUNCTIONALITY. REPAIR AS NECESSARY.

- REMOVAL. WHEN THE CONSTRUCTION WORK IS COMPLETED, THE TEMPORARY COFFERDAM MATERIALS SHALL BE REMOVED. ALL REMOVED MATERIALS SHALL BE TAKEN OFF-SITE AND NOT PLACED IN THE WATERWAY FLOODPLAIN.
  - DEWATERING. REMOVAL OF WATER FROM WITHIN THE COFFERDAM AREA SHALL BE ACCOMPLISHED USING A PUMP(S). THE PUMP(S) SHALL BE DISCHARGED IN A CONTROLLED MANNER TO A FIELD LOCATED ADJACENT PONDING AREA TO ALLOW REMOVAL OF SEDIMENT AND SUSPENDED SOLIDS BEFORE THE WATER RE-ENTERS THE STREAM. DISCHARGING THE PUMP DIRECTLY TO THE STREAM IS PROHIBITED.
  - PLACEMENT OF CONCRETE MATERIALS OR DISCHARGE OF CONCRETE WASH WATERS DIRECTLY INTO THE STREAM IS PROHIBITED.
- B. CONTRACTOR SHALL SUBMIT DETAILS OF THEIR STREAM PROTECTION PLAN FOR APPROVAL.
- C. ALL WORK TO BE DONE IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF NYSDEC AND USACE ENVIRONMENTAL PERMITS.

**LEGEND**

- EXISTING CONTOUR
- TREE
- EDGE OF STREAM
- EXISTING OVERHEAD UTILITY LINE
- APPROXIMATE PROPERTY LINE
- PROPOSED SILT FENCE

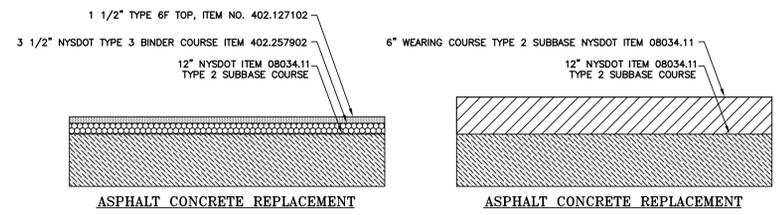
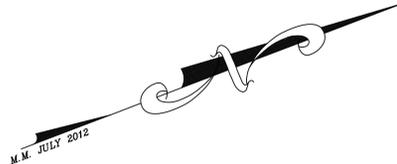
**DEMOLITION AND STREAM PROTECTION PLANS**  
CONTRACT NO. TS-162



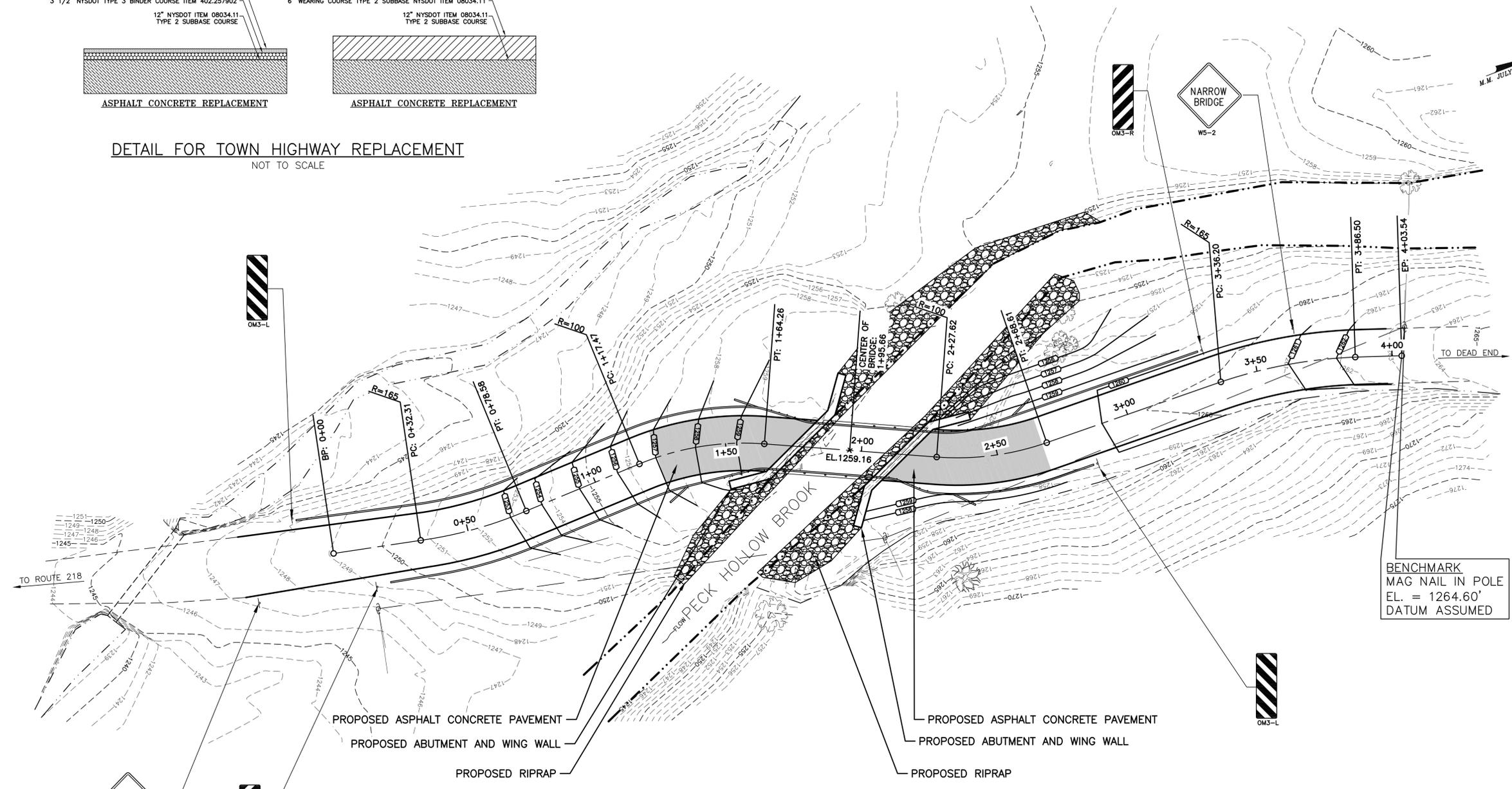
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PECK HOLLOW ROAD BRIDGE REPLACEMENT BIN 2270010			
PW-8317		FEMA 4020 DR NY	
TOWN OF SHANDAKEN		ULSTER COUNTY NEW YORK	
DATE	REVISION RECORD		
BRINNIER & LARIOS, P.C. ENGINEERS & LAND SURVEYORS 67 MAIDEN LANE KINGSTON, N.Y.			
SCALE	DATE	CHK	SHEET NO.
AS SHOWN	JAN. 2016	RUS	C2





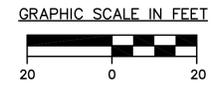
**DETAIL FOR TOWN HIGHWAY REPLACEMENT**  
NOT TO SCALE



**SITE PLAN**  
SCALE: 1" = 20'  
**SITE PLAN**  
SCALE: 1" = 20'

**LEGEND**

	EXISTING CONTOUR
	PROPOSED CONTOURS
	TREE
	EDGE OF STREAM
	EXISTING OVERHEAD UTILITY LINES
	APPROXIMATE PROPERTY LINE
	EASEMENT LINE
	PROPOSED GUIDE RAIL
	ASPHALT CONCRETE PAVEMENT



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**JOHN STINEMIRE, P.E., CONSULTING ENGINEER**  
15 RAILROAD AVENUE KINGSTON, NEW YORK 12401 845-331-8806



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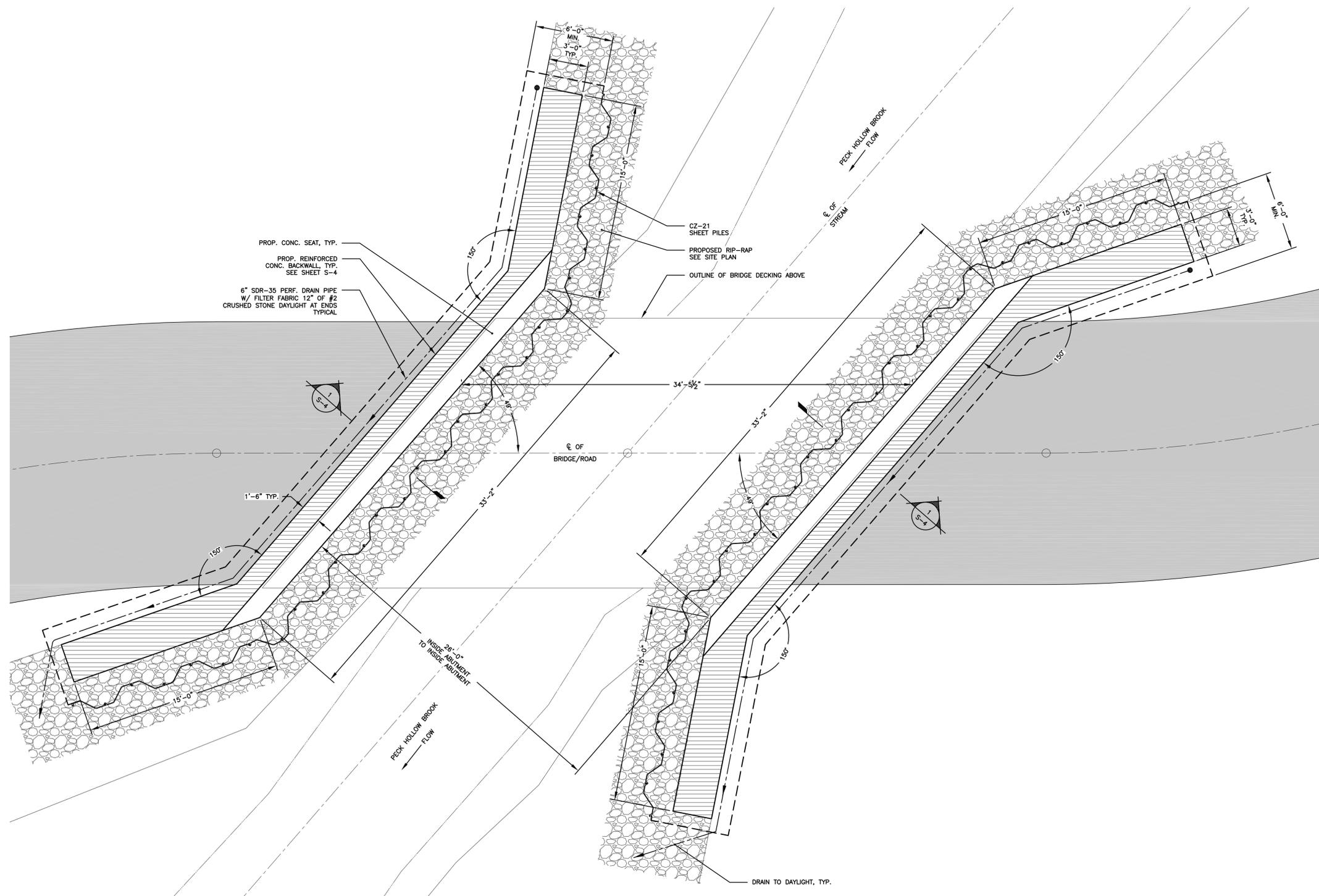
**SITE PLAN**  
**CONTRACT NO. TS-162**

**PECK HOLLOW ROAD BRIDGE REPLACEMENT**  
BIN 2270010  
PW-8317 FEMA 4020 DR NY  
TOWN OF SHANDAKEN ULSTER COUNTY NEW YORK

DATE	REVISION RECORD

**BRINNIER & LARIOS, P.C.**  
ENGINEERS & LAND SURVEYORS  
67 MAIDEN LANE KINGSTON, N.Y.

SCALE	DATE	SHEET NO.
1" = 20'	JAN. 2016	C4
DWG	CHK	DML
RJS	DML	



1 FOUNDATION PLAN  
 S-1 SCALE: 1/4" = 1'-0"

## STRUCTURAL NOTES

- GENERAL NOTES:**
1. ALL DIMENSIONS SHALL BE VERIFIED IN FIELD BY CONTRACTOR WITH ALL DISCREPANCIES REPORTED TO THE ENGINEER.
  2. DO NOT CHANGE SIZE NOR SPACING OF STRUCTURAL ELEMENTS.
  3. DETAILS SHOWN ARE TYPICAL; SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.
  4. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.
  5. CONTRACTOR SHALL DETERMINE EXACT LOCATION OF EXISTING UTILITIES, IF ANY, BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE UNDERGROUND UTILITIES.
  6. INCORRECTLY FABRICATED, DAMAGED, OR OTHERWISE MISFITTING OR NONCONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE OWNER PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH ACTION SHALL REQUIRE APPROVAL.
  7. EACH CONTRACTOR SHALL COOPERATE WITH THE OWNER'S REPRESENTATIVE, AND COORDINATE HIS WORK WITH THE WORK OF OTHERS.
  8. VERIFY SIZE AND LOCATION OF OPENINGS. FOR DIMENSIONS AND OPENINGS NOT SHOWN, SEE MECHANICAL, ELECTRICAL, AND ARCHITECTURAL DRAWINGS.

- DESIGN DATA:**
- STRUCTURAL DESIGN HAS BEEN PERFORMED IN ACCORDANCE WITH THE FOLLOWING CODES AND STANDARDS:
- A) AISC, MANUAL OF STEEL CONSTRUCTION, ALLOWABLE STRESS DESIGN, 9TH ED.
1. TRAFFIC LOADS  
 H25 TRUCK LOADING IN ACCORDANCE WITH AASHTO STANDARDS
  2. DEAD LOADS  
 CONCRETE FLOOR: = 12.5 PSF PER INCH THICKNESS OF CONC. x 7" = 87.50 PSF  
 PAVEMENT = 25 PSF.  
 FUTURE WEARING COURSE = 25 PSF.

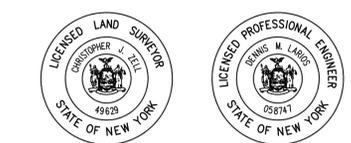
**ABBREVIATIONS**

A.B.	ANCHOR BOLT
A.O.B.E.	AS ORDERED BY ENGINEER
B.P.	BASE PLATE
COLS.	COLUMNS
do.	DITTO
E.O.	EVERY OTHER
E.W.	EACH WAY
EXP.	EXPANSION
FDN.	FOUNDATION
F.G.	FINISHED GRADE
HDR.	HEADER
HSS	HOLLOW STRUCTURAL SHAPE (A.I.S.C.)
JT.	JOINT
LLV	LONG LEG VERTICAL
P.A.F.	POWDER ACTUATED FASTENER
P.C.	PRE-CAST
PERF.	PERFORATED
PL.	PLATE
R/C	REINFORCED CONCRETE
REINF.	REINFORCEMENT
S.L.	SELF-LEVELING
SLV.	SHORT LEG VERTICAL
S.O.G.	SLAB ON GRADE
STL.	STEEL
T/FTG.	TOP OF FOOTING
T/WALL.	TOP OF WALL
T&S.	TEMPERATURE AND SHRINKAGE
U.N.O.	UNLESS NOTED OTHERWISE
W.C.J.	WALL CONTROL JOINT

### FOUNDATION PLAN & STRUCTURAL NOTES CONTRACT NO. TS-162

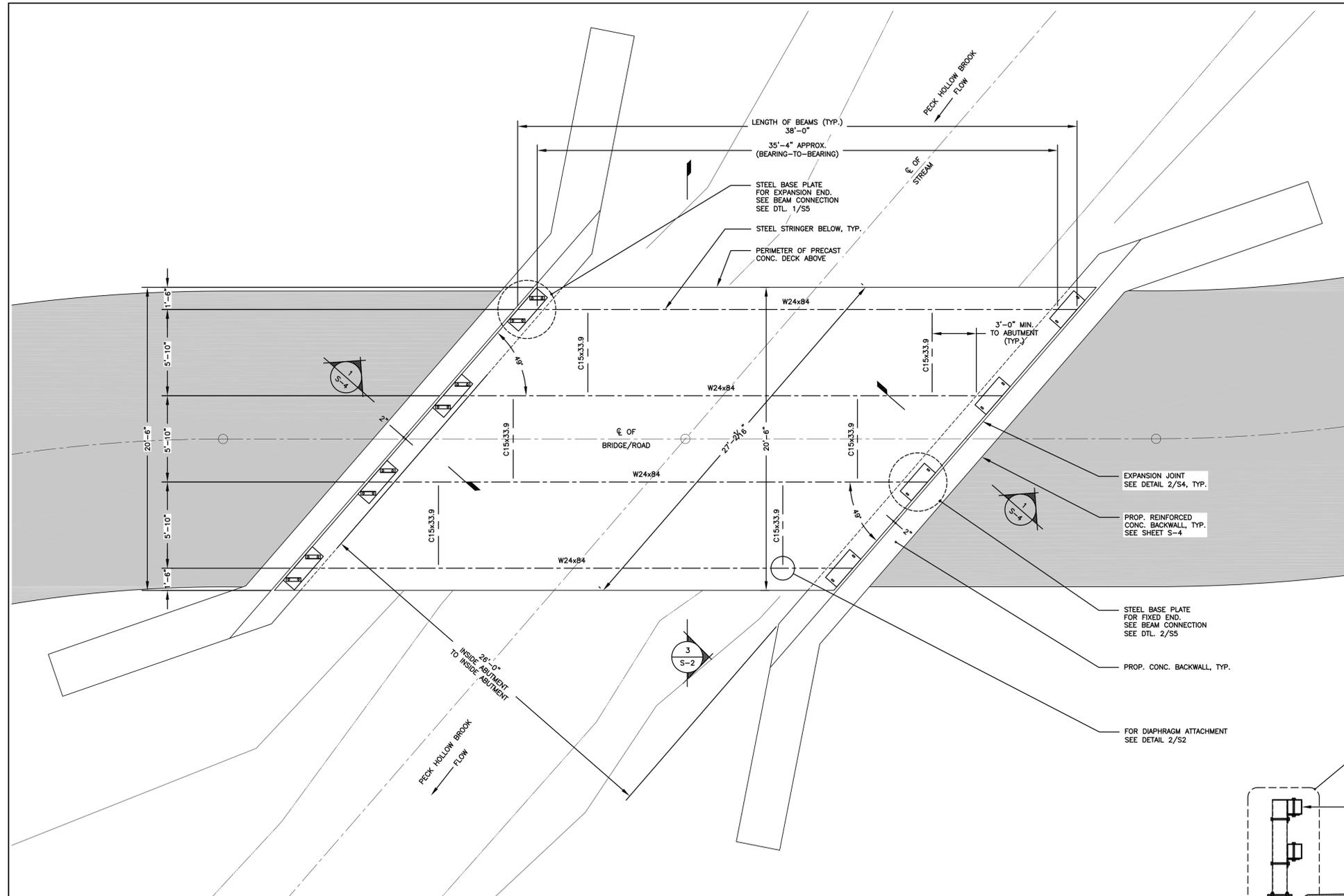
PECK HOLLOW ROAD BRIDGE REPLACEMENT BIN 2270010		PW-8317 FEMA 4020 DR NY	
TOWN OF SHANDAKEN		ULSTER COUNTY NEW YORK	
DATE	REVISION RECORD	BRINNIER & LARIOS, P.C. ENGINEERS & LAND SURVEYORS 67 MAIDEN LANE KINGSTON, N.Y.	
SCALE	DATE	DWG	SHEET NO.
AS SHOWN	JAN. 2016	JH	S1
	CHK	JES	

JOHN STINEMIRE, P.E., CONSULTING ENGINEER  
 15 RAILROAD AVENUE KINGSTON, NEW YORK 12401 845-331-8806

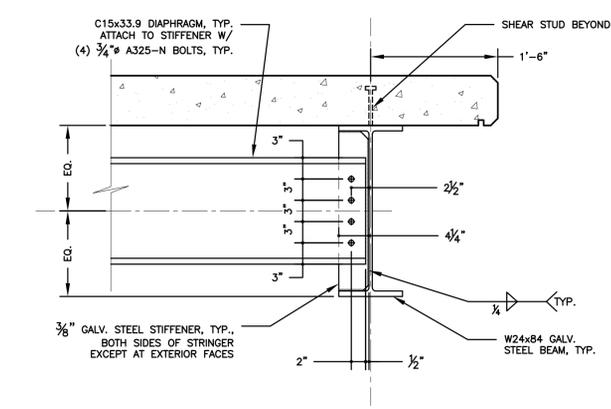


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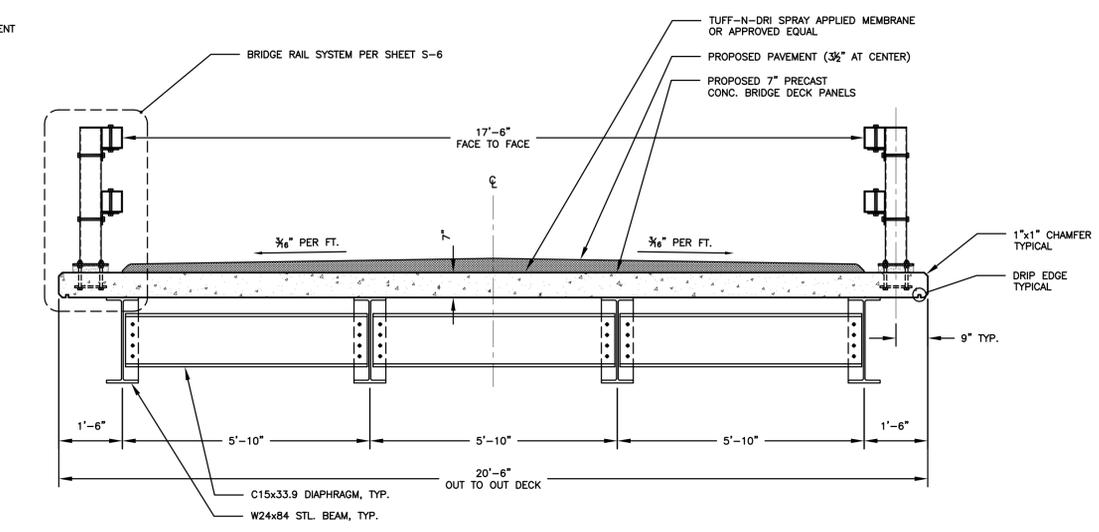
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1 BRIDGE FRAMING PLAN  
SCALE: 1/4" = 1'-0"



2 DIAPHRAGM CONNECTION DETAIL  
SCALE: 1" = 1'-0"



3 SECTION  
SCALE: 1/2" = 1'-0"

NOTE: ALL DESIGN DIMENSIONS NOTED ON PLANS ARE BASED ON FABRICATION AND INSTALLATION OF STRUCTURAL ELEMENTS AT AN AMBIENT TEMPERATURE OF 68 DEGREES FAHRENHEIT

NOTE: The location of existing underground utilities are shown in an approximate way only and have not been independently verified by the owner or its representative. The contractor shall determine the exact location of all existing utilities before commencing work, and agrees to be fully responsible for any and all damages which might be occasioned by the contractor's failure to exactly locate and preserve any and all underground utilities.

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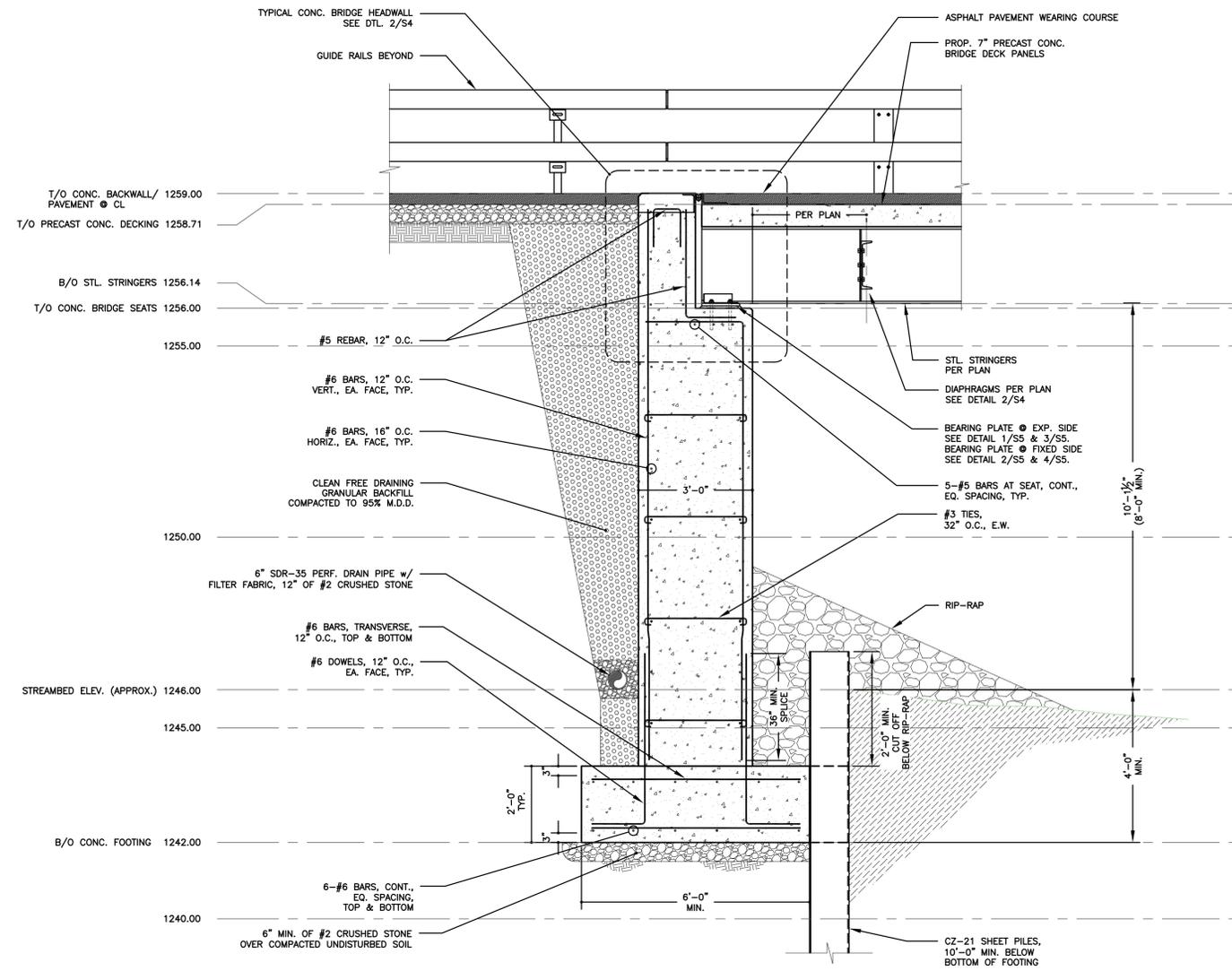


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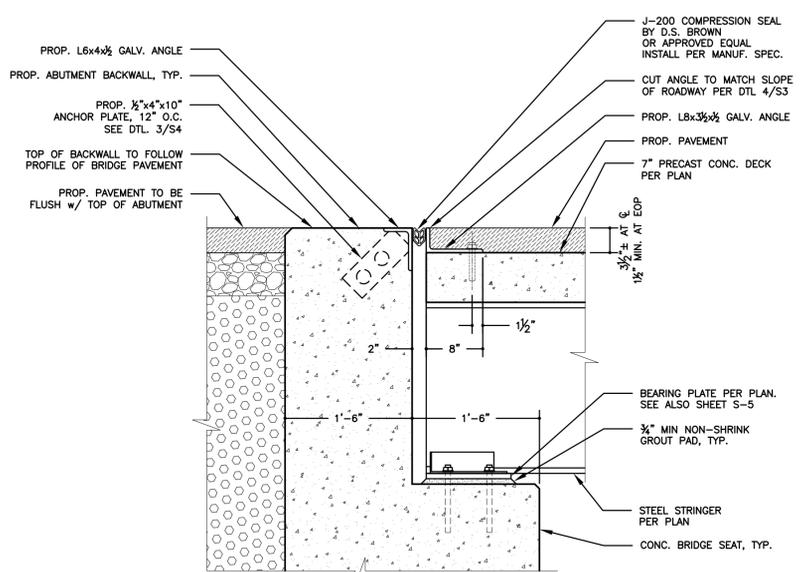
BRIDGE FRAMING PLAN  
CONTRACT NO. TS-162

PECK HOLLOW ROAD BRIDGE REPLACEMENT BIN 2270010		PW-8317		FEMA 4020 DR NY	
TOWN OF SHANDAKEN		ULSTER COUNTY		NEW YORK	
DATE	REVISION RECORD	BRINNIER & LARIOS, P.C. ENGINEERS & LAND SURVEYORS 67 MAIDEN LANE KINGSTON, N.Y.		SHEET NO. S2	
SCALE AS SHOWN	DATE JAN. 2016	DATE JAN. 2016	CHK JH	DATE JAN. 2016	CHK JES

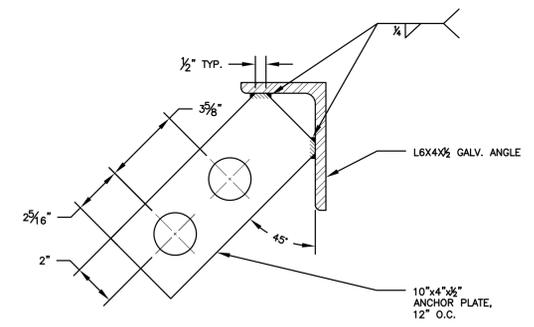




1 TYPICAL BRIDGE ABUTMENT SECTION  
SCALE: 1/2" = 1'-0"



2 TYPICAL BRIDGE BACKWALL SECTION  
SCALE: 1-1/2" = 1'-0"



3 ANCHOR PLATE DETAIL  
SCALE: 3" = 1'-0"

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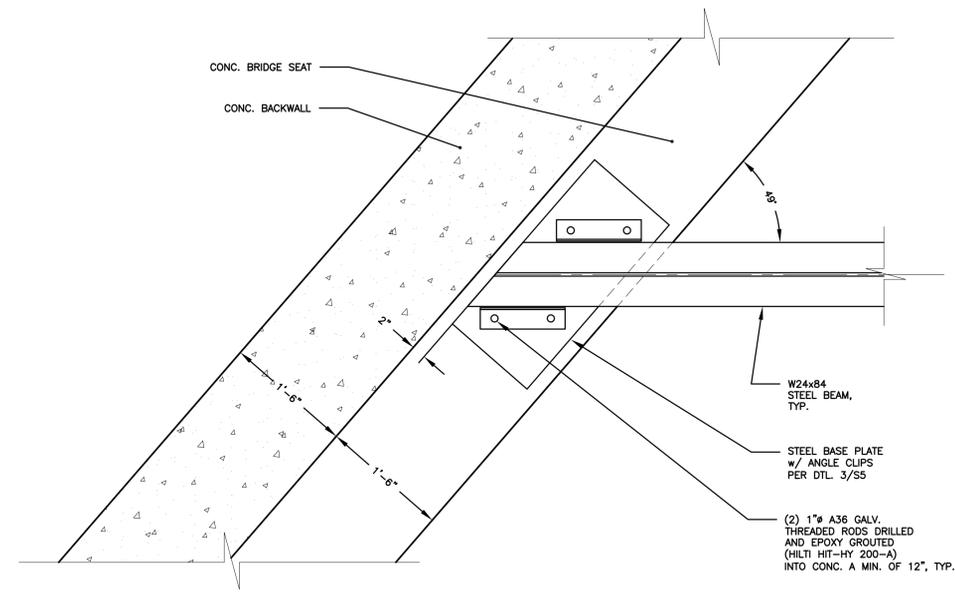
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15 RAILROAD AVENUE KINGSTON, NEW YORK 12401 845-331-8806



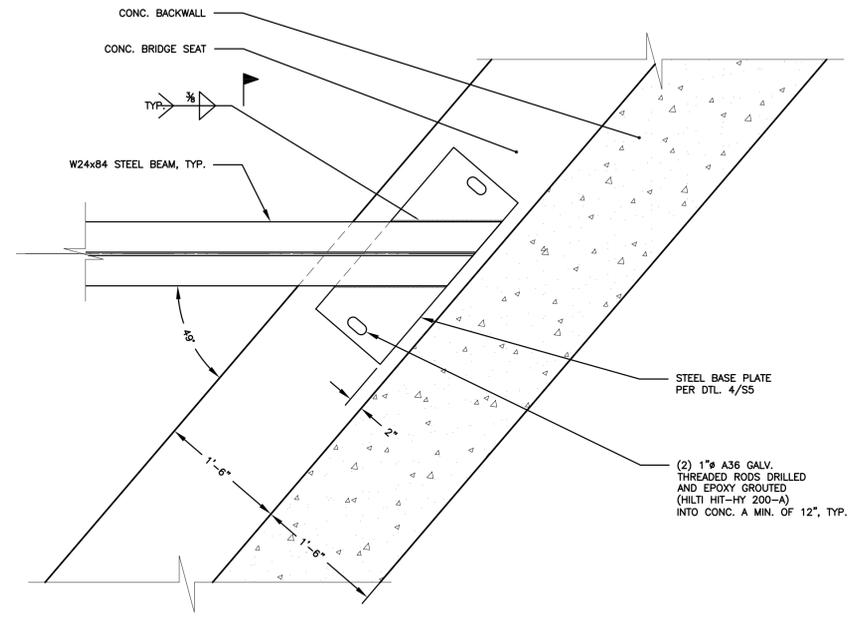
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SECTIONS & DETAILS  
CONTRACT NO. TS-162

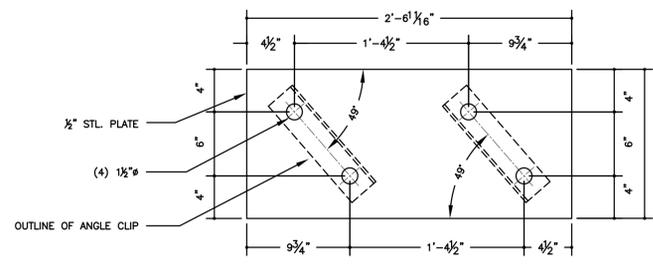
PECK HOLLOW ROAD BRIDGE REPLACEMENT BIN 2270010		PW-8317 TOWN OF SHANDAKEN		FEMA 4020 DR NY ULSTER COUNTY NEW YORK	
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				AS SHOWN	JAN. 2016 CHK JES
					S4



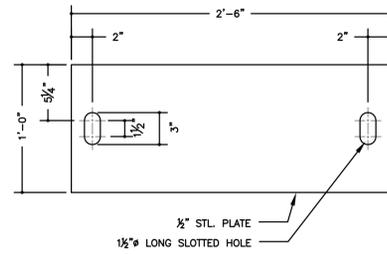
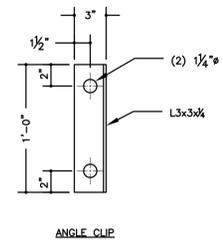
1 STEEL BEAM CONNECTION DETAIL  
S-5 SCALE: 1" = 1'-0" (EXPANSION SIDE)



2 STEEL BEAM CONNECTION DETAIL  
S-5 SCALE: 1" = 1'-0" (FIXED SIDE)



3 BASE PLATE DETAIL (EXPANSION SIDE)  
S-5 SCALE: 1-1/2" = 1'-0"



4 BASE PLATE DETAIL (FIXED SIDE)  
S-5 SCALE: 1-1/2" = 1'-0"

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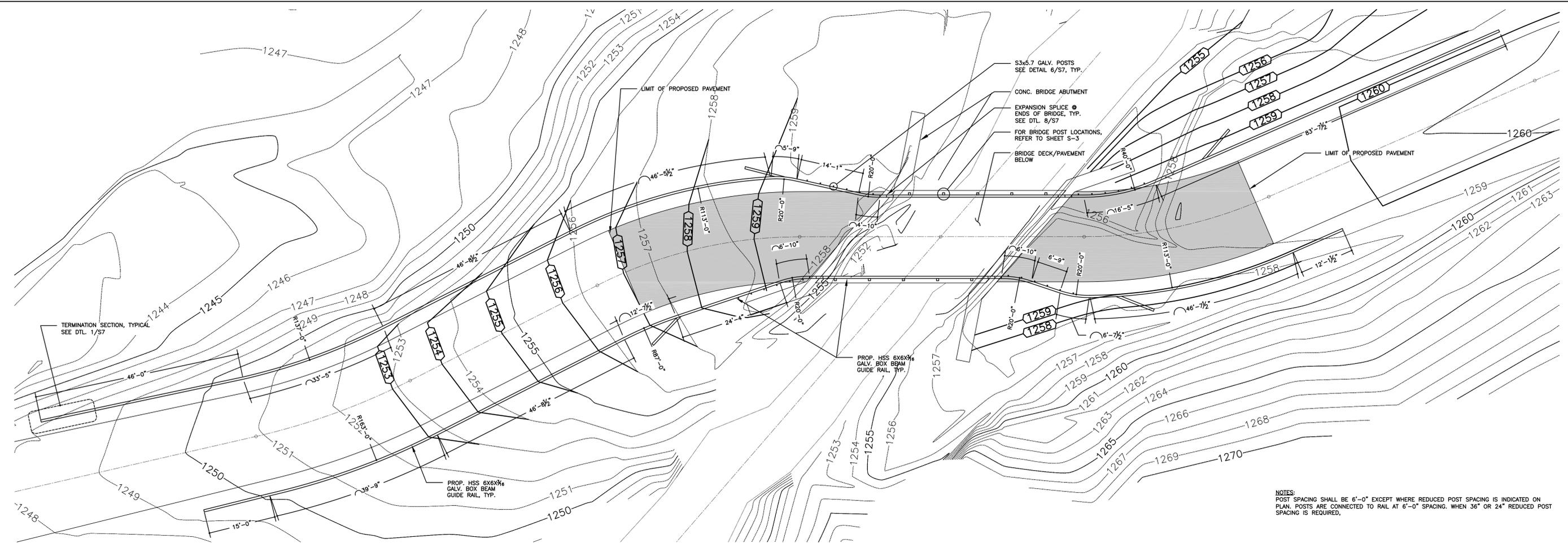
JOHN STINEMIRE, P.E., CONSULTING ENGINEER  
15 RAILROAD AVENUE KINGSTON, NEW YORK 12401 845-331-8806



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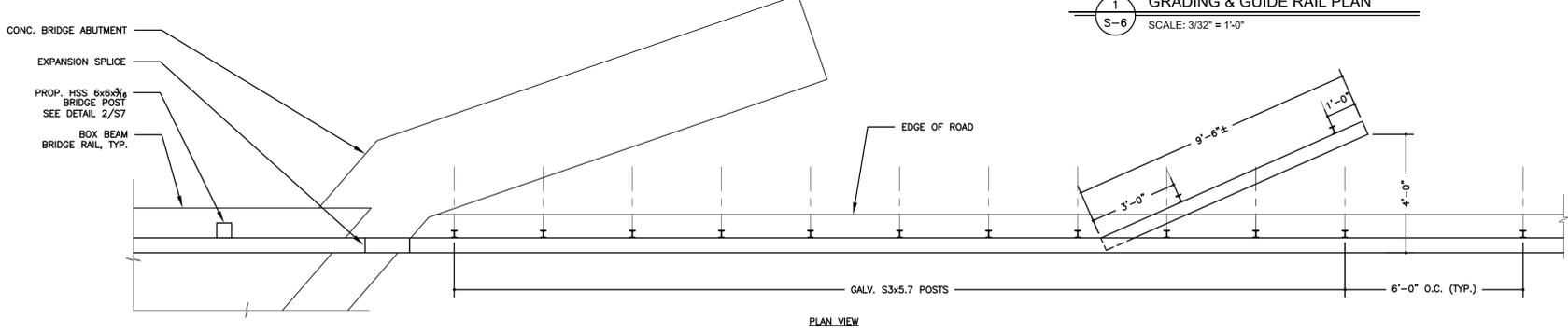
DETAILS  
CONTRACT NO. TS-162

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AS SHOWN	JAN. 2016	CHK	S5
		JES	



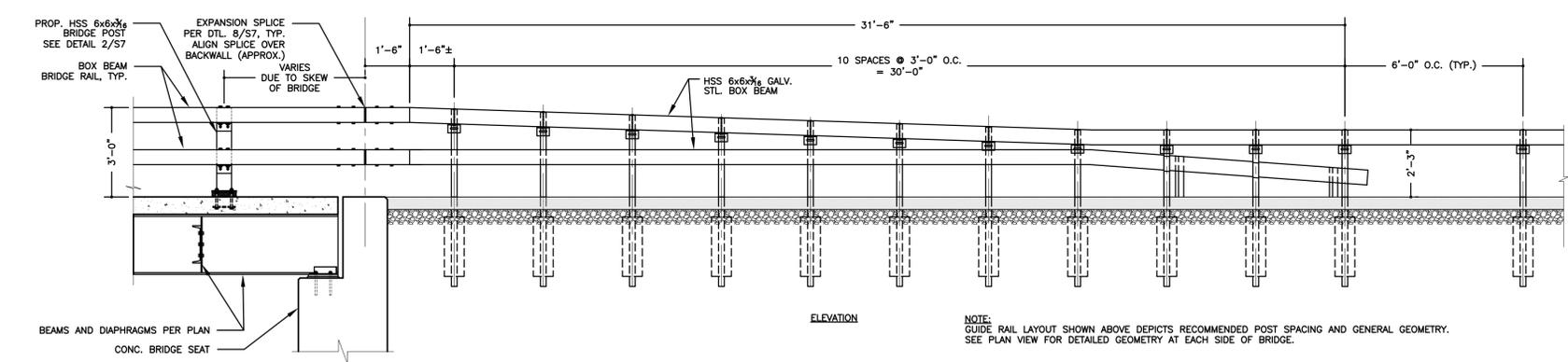
1 GRADING & GUIDE RAIL PLAN  
S-6 SCALE: 3/32" = 1'-0"

NOTES:  
POST SPACING SHALL BE 6'-0" EXCEPT WHERE REDUCED POST SPACING IS INDICATED ON PLAN. POSTS ARE CONNECTED TO RAIL AT 6'-0" SPACING. WHEN 36" OR 24" REDUCED POST SPACING IS REQUIRED.



PLAN VIEW

- RAIL NOTES:
1. ALL BRIDGE RAIL AND GUIDE RAIL COMPONENTS SHALL BE HOT DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A123 AND ALL FASTENERS AND HARDWARE SHALL BE HOT DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A153.
  2. BRIDGE RAIL DETAILS AND INSTALLATION SHALL BE IN ACCORDANCE WITH NYS DOT STANDARD BRIDGE DETAIL SHEETS UNLESS NOTED OTHERWISE.
  3. BRIDGE RAIL SHALL BE DOUBLE BOX BEAM BRIDGE RAIL FOR LOW VOLUME BRIDGES IN ACCORDANCE WITH NYS DOT STANDARD SHEETS 80-RL3E, RL4E AND RL5E.
  4. GUIDE RAIL FROM THE BRIDGE TRANSITION RAIL TO THE END SECTION SHALL BE BOX BEAM GUIDE RAIL WITH A TYPE IIA END ASSEMBLY CONSISTANT WITH NYS DOT STANDARD SHEET NUMBER 606-04 SHEET 1 THRU 4.



ELEVATION

NOTE:  
GUIDE RAIL LAYOUT SHOWN ABOVE DEPICTS RECOMMENDED POST SPACING AND GENERAL GEOMETRY. SEE PLAN VIEW FOR DETAILED GEOMETRY AT EACH SIDE OF BRIDGE.

2 BOX BEAM BRIDGE/GUIDE RAIL DETAIL  
S-6 SCALE: 3/8" = 1'-0"

NOTE:  
The location of existing underground utilities are shown in an approximate way only and have not been independently verified by the owner or its representative. The contractor shall determine the exact location of all existing utilities before commencing work, and agrees to be fully responsible for any and all damages which might be occasioned by the contractor's failure to exactly locate and preserve any and all underground utilities.

JOHN STINEMIRE, P.E., CONSULTING ENGINEER  
15 RAILROAD AVENUE KINGSTON, NEW YORK 12401 845-331-8806



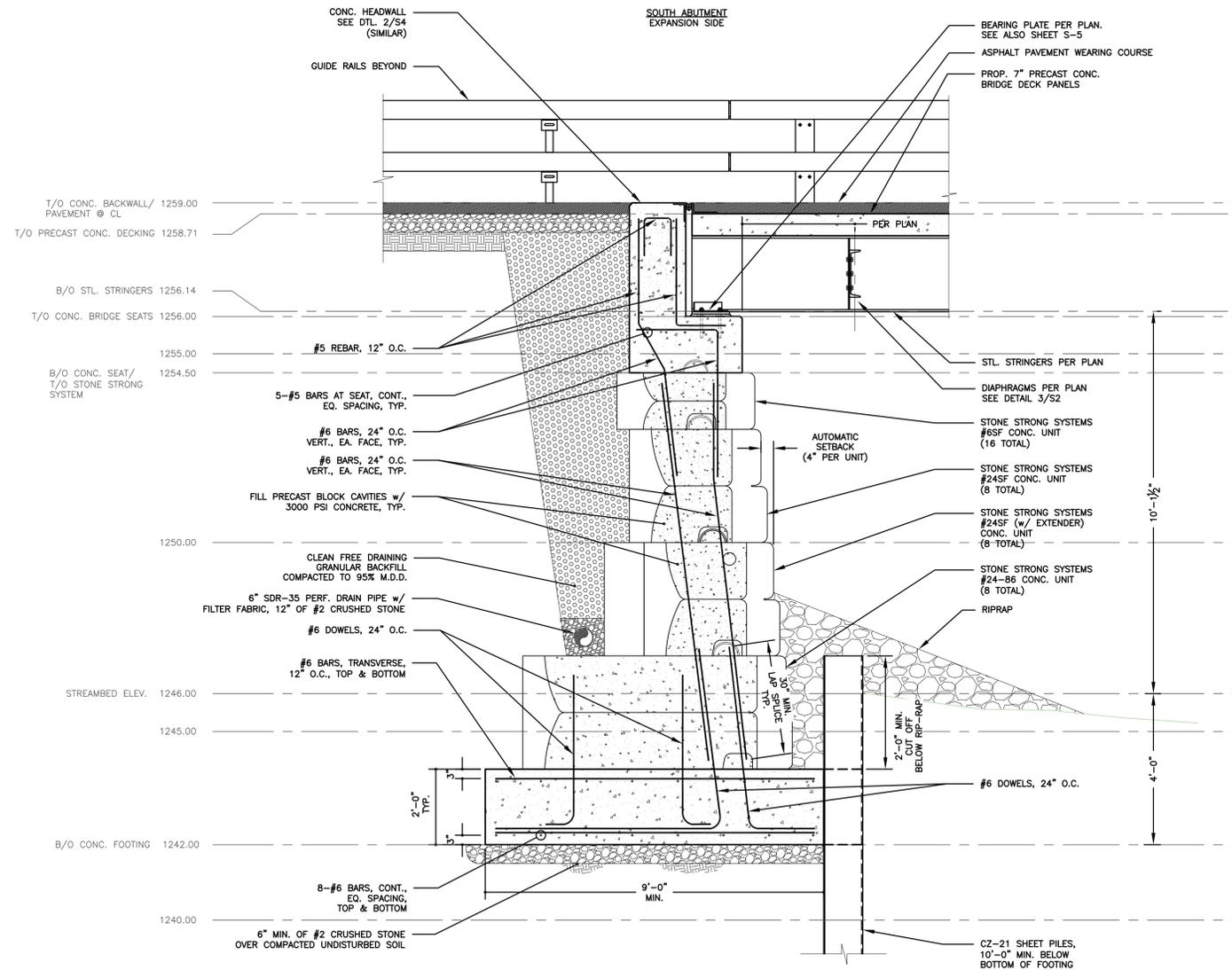
Unauthorized alteration or addition to a plan bearing a licensed engineer's seal is a violation of section 7209, subdivision 2, of the New York State Education Law.

GUIDE RAIL PLAN  
CONTRACT NO. TS-162

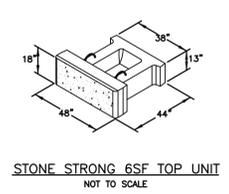
PECK HOLLOW ROAD BRIDGE REPLACEMENT BIN 2270010		PW-8317 TOWN OF SHANDAKEN		FEMA 4020 DR NY ULSTER COUNTY NEW YORK	
DATE	REVISION RECORD	BRINNIER & LARIOS, P.C. ENGINEERS & LAND SURVEYORS 67 MAIDEN LANE KINGSTON, N.Y.		SCALE	SHEET NO.
				AS SHOWN	S6
		DATE	CHK	DATE	CHK
		JAN. 2016	JH	JAN. 2016	JES



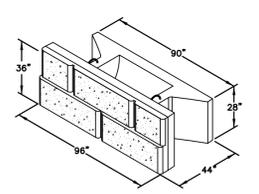
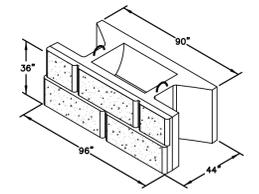




1 BRIDGE ABUTMENT SECTIONS (ALTERNATE)  
SCALE: 1/2" = 1'-0"

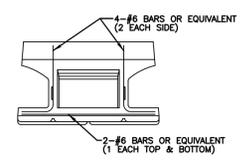
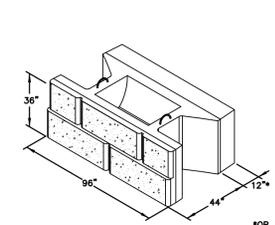


NOTES:  
CHISELLED GRANITE STYLE HAS 4 DIFFERENT FACE PATTERNS ON 24SF BLOCKS.  
INSTALL A, B, C, & D PATTERNS AT RANDOM IN WALL.



STONE STRONG 24SF UNIT  
CHISELLED GRANITE FACE  
NOT TO SCALE

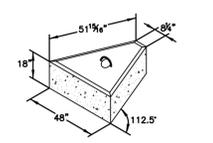
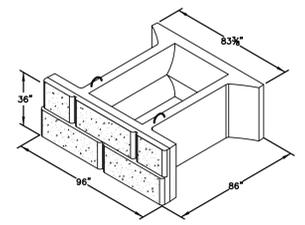
STONE STRONG 24SF TOP UNIT  
CHISELLED GRANITE FACE  
NOT TO SCALE



\*OR AS INDICATED ON LAYOUT/ELEVATION

STONE STRONG 24SF UNIT w/ MASS EXTENDER  
NOT TO SCALE

NOTES:  
CHISELLED GRANITE STYLE HAS 4 DIFFERENT FACE PATTERNS ON 24-86 BLOCKS.  
INSTALL A, B, C, & D PATTERNS AT RANDOM IN WALL.



STONE STRONG 24-86 UNIT  
NOT TO SCALE

STONE STRONG 45\"/>

2 STONE STRONG COMPONENTS  
N.T.S.

NOTE:  
The location of existing underground utilities are shown in an approximate way only and have not been independently verified by the owner or its representative. The contractor shall determine the exact location of all existing utilities before commencing work, and agrees to be fully responsible for any and all damages which might be occasioned by the contractor's failure to exactly locate and preserve any and all underground utilities.

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ALTERNATE BID #1  
SECTION & DETAILS  
CONTRACT NO. TS-162

PECK HOLLOW ROAD BRIDGE REPLACEMENT BIN 2270010		PW-8317 TOWN OF SHANDAKEN		FEMA 4020 DR NY ULSTER COUNTY NEW YORK	
DATE	REVISION RECORD	BRINNIER & LARIOS, P.C. ENGINEERS & LAND SURVEYORS 67 MAIDEN LANE KINGSTON, N.Y.		SCALE	SHEET NO.
				AS SHOWN	9
		DATE	CHK		
		JAN. 2016	JES		
		DWG	JH		