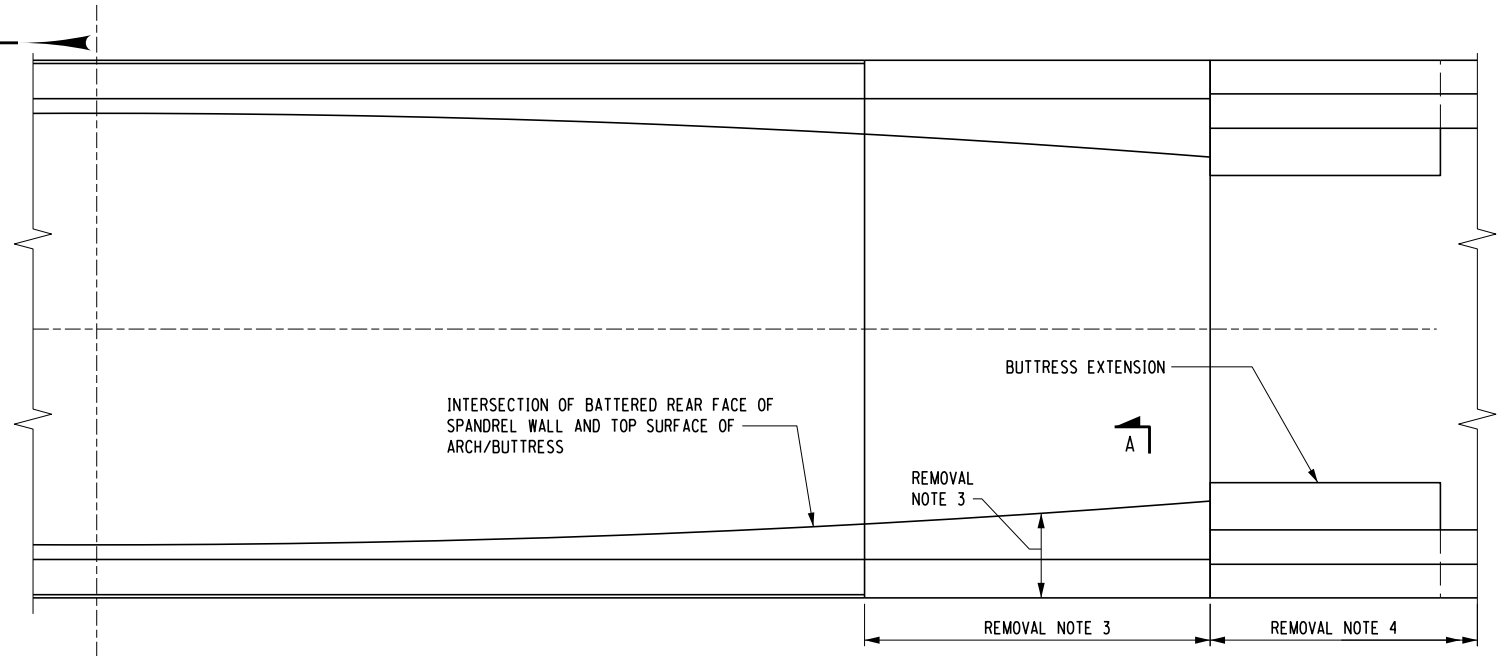
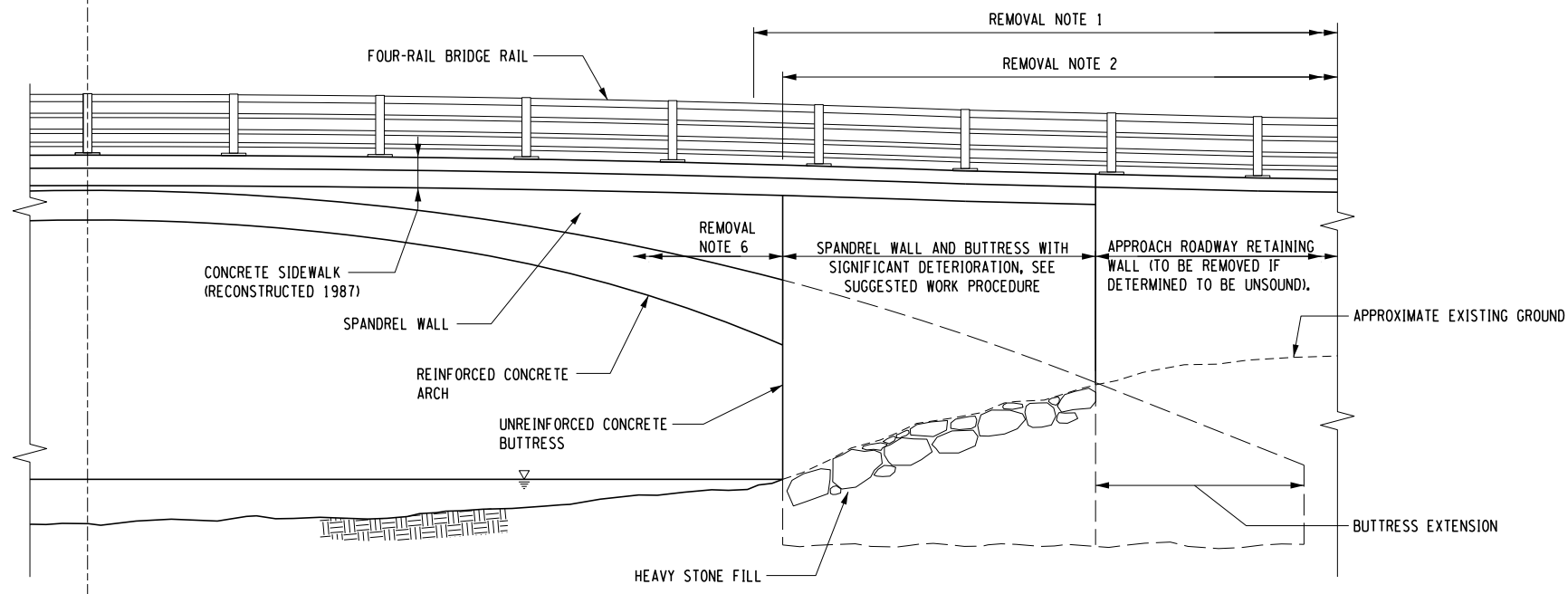


PROJECT MANAGER J. SIMKULET
 CHECK B. WEAVER
 DRAFTING E. SCHAUFFERT
 CHECK J. SIMKULET
 DESIGN E. SCHAUFFERT
 JOB MANAGER W. GRIMMKE
 DESIGN SUPERVISOR J. SIMKULET

APPROX. NORTH



PARTIAL PLAN
(BELOW LEVEL OF SIDEWALK AND RAILING)



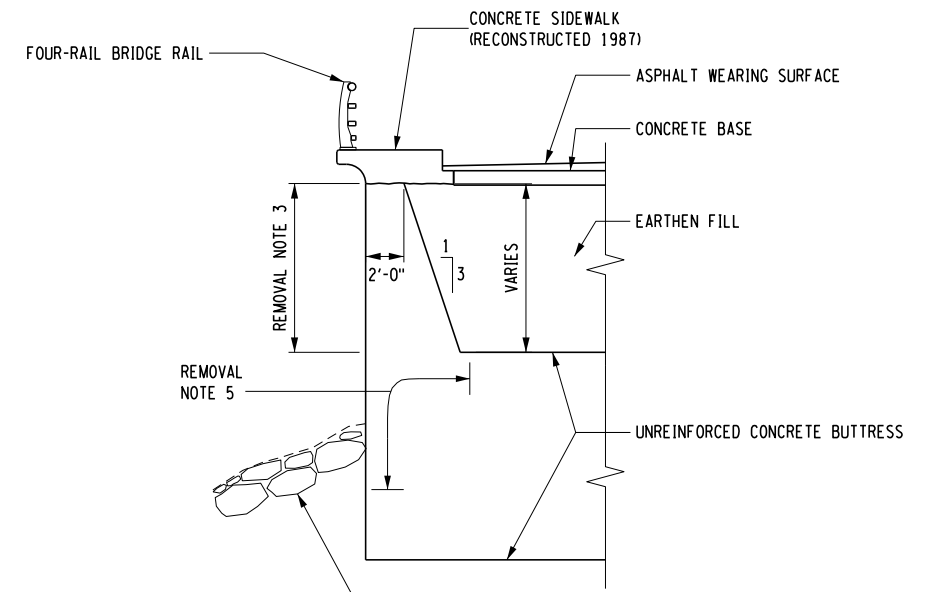
PARTIAL ELEVATION

SUGGESTED WORK PROCEDURE:

- PRIOR TO BEGINNING REHABILITATION WORK, SURVEY SIDEWALK, GUTTER, AND CENTERLINE-OF-ROAD ELEVATIONS SO THAT THE EXISTING LINES AND GRADES OF THE ROADWAY CAN BE RE-ESTABLISHED.
- SAWCUT AND REMOVE ASPHALT AND CONCRETE PAVEMENT, AND EXCAVATE FILL MATERIAL, TO EXPOSE REAR FACE OF SPANDREL WALL APPROACH RETAINING WALL FOR INSPECTION.
- WITH LATERAL EARTH PRESSURE REMOVED THRU STEP B, REMOVE DETERIORATED CONCRETE FROM FRONT FACE OF SPANDREL WALL. ALL REMOVAL SHALL BE PERFORMED IN A MANNER THAT LIMITS IMPACT TO CONCRETE TO REMAIN, INCLUDING THE LIMITATION ON HAMMER WEIGHT PROVIDED IN THE TYPICAL PARTIAL-DEPTH REPAIR DETAILS (SEE DWG. DET-3).
- ENGINEER AND OWNER SHALL INSPECT REMAINING CONCRETE TO DETERMINE WHETHER WALL REHABILITATION SHOULD BE MADE THROUGH PARTIAL-DEPTH REPAIR OR COMPLETE RECONSTRUCTION.
- FOR PARTIAL-DEPTH REPAIR, REFER TO TYPICAL DETAILS ON DWG. DET-3. FOR RECONSTRUCTION, SEE REMOVAL NOTES THIS DWG. AND RECONSTRUCTION DETAILS ON DWGS. DET-1 THRU DET-3.

REMOVAL NOTES:

- REMOVE AND STORE BRIDGE RAIL AND POSTS AS NECESSARY TO ENABLE WALL RECONSTRUCTION.
- REMOVE CONCRETE SIDEWALK ABOVE WALLS. IF REMOVAL LINE IS NOT AT A CONSTRUCTION JOINT, PROVIDE 1" DEEP SAWCUT. AT ALL REMOVAL LINES, PRESERVE 1'-6" LENGTH OF ALL LONGITUDINAL REINFORCING. REBAR TO REMAIN SHALL BE CLEANED IN ACCORDANCE WITH SECT. 584-3.02A.
- REMOVE SPANDREL WALL TO TOP OF BUTTRESS. PRESERVE AND CLEAN 1'-6" LENGTH OF ALL HORIZONTAL REINFORCING THAT MAY EXTEND INTO WALL FROM ADJACENT WALL SEGMENTS.
- IF DETERMINED TO BE UNSOUND, REMOVE APPROACH RETAINING WALL TO DEPTH LIMITATIONS NOTED ON DWG. DET-1.
- REMOVE UNSOUND CONCRETE FROM TOP AND FACE OF BUTTRESS. SEE DWG. DET-2.
- AREAS OF DETERIORATION IN ARCH AND ARCH SPANDREL NOT SHOWN. LOCATIONS TO RECEIVE PARTIAL-DEPTH CONCRETE REPAIR SHALL BE DETERMINED IN THE FIELD. SEE DWG. DET-3 FOR TYPICAL DETAILS.



REMOVE STONE FILL AS NECESSARY SO THAT UNSOUND CONCRETE CAN BE REMOVED FROM FACE OF BUTTRESS. REQUIRED DEPTH DETERMINED IN FIELD.

SECTION A-A

GENERAL NOTES:

- DESIGN SPECIFICATIONS: NYSDOT LRFD BRIDGE DESIGN SPECIFICATIONS WITH ALL PROVISIONS IN EFFECT AS OF MAY 2015.
- CONSTRUCTION AND MATERIALS SPECIFICATIONS: STANDARD SPECIFICATIONS, CONSTRUCTION AND MATERIALS, NEW YORK STATE DEPARTMENT OF TRANSPORTATION, OFFICE OF ENGINEERING, DATED MAY 1, 2008, WITH CURRENT ADDITIONS AND MODIFICATIONS.
- CONCRETE SHALL BE CLASS HP WITH A 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI.
- BAR REINFORCEMENT SHALL BE ASTM A615 GRADE 60 AND SHALL BE EPOXY-COATED IN ACCORDANCE WITH SECT. 709-04.
- ALL DIMENSIONS SHOWN ARE APPROXIMATE AND HAVE BEEN ASSUMED BASED ON THE LIMITED SKETCHES AVAILABLE FROM THE 1920 ORIGINAL CONSTRUCTION. ALL DIMENSIONS SHALL BE VERIFIED IN FIELD.

AFFIX SEAL: GREENMAN - PEDERSEN, INC
 ON: JOHN P. SIMKULET

ALTERED BY:
 ON:

GPI
 GREENMAN-PEDERSEN, INC.
 CONSULTING ENGINEERS

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	CHURCH STREET	PIN	BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	OVER THE METTAWEE RIVER					
	COUNTY: WASHINGTON					
BRIDGE PLAN AND ELEVATION					DRAWING NO. PLN-1 SHEET NO. 1 OF XX	

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

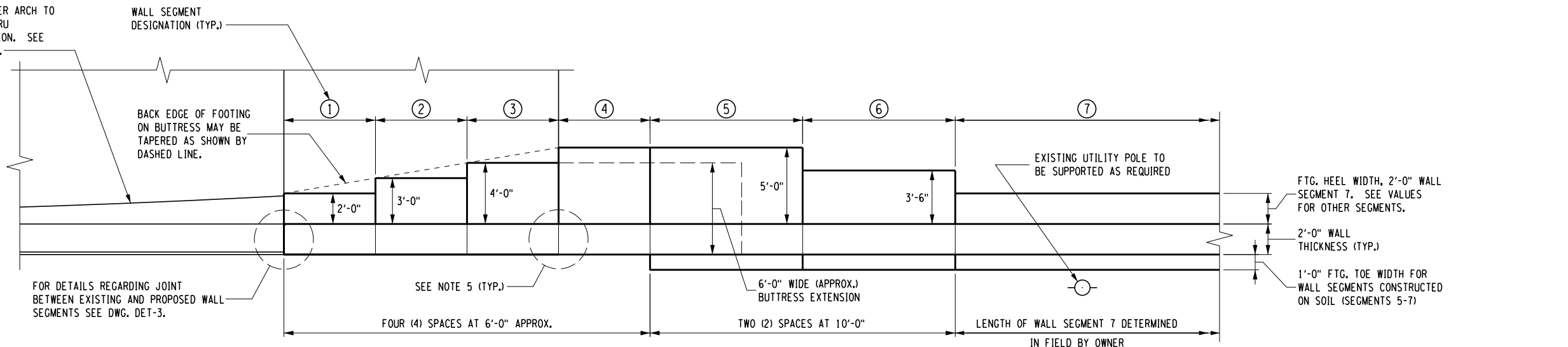
NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION
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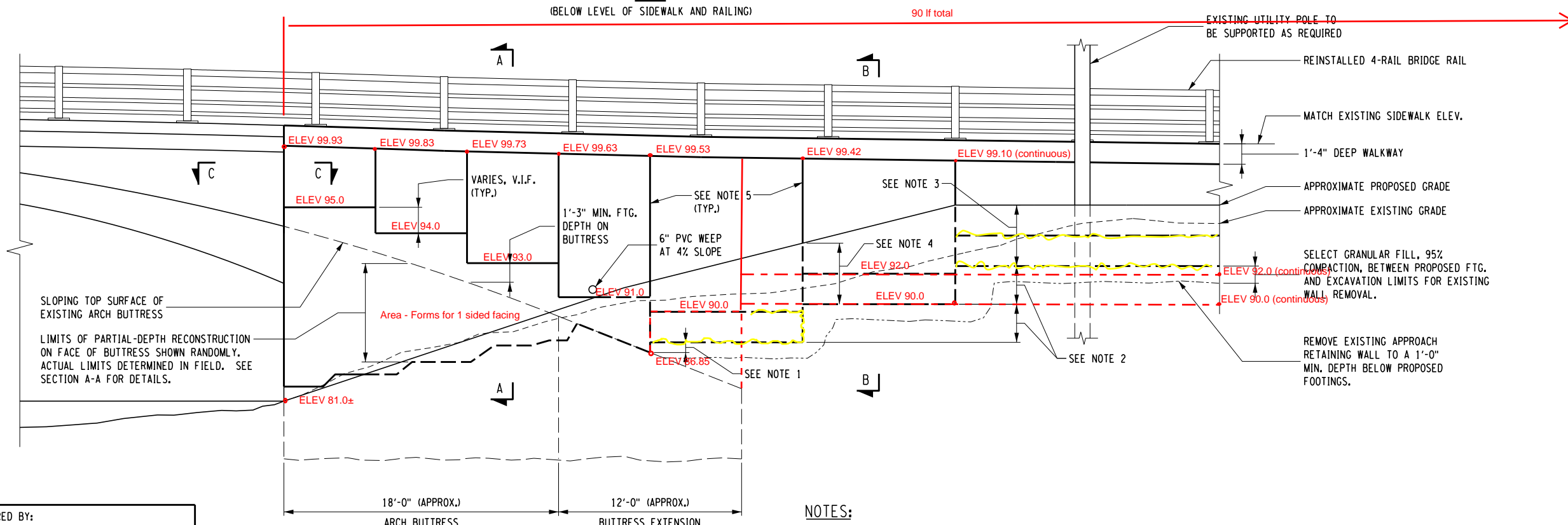
DESIGN SUPERVISOR J. SIMKULET
JOB MANAGER W. GRIMMKE
DESIGN E. SCHAUFFERT
CHECK J. SIMKULET
DRAFTING E. SCHAUFFERT
CHECK B. WEAVER
PROJECT MANAGER J. SIMKULET

EXISTING SPANDREL WALL OVER ARCH TO REMAIN AND BE REPAIRED THRU PARTIAL-DEPTH RECONSTRUCTION. SEE TYPICAL DETAILS DWG. DET-3.



PLAN

(BELOW LEVEL OF SIDEWALK AND RAILING)



ELEVATION

NOTES:

1. SET BOTTOM OF FTG. ELEV. FOR WALL SEGMENT 5 AT 8" (APPROX.) ABOVE TOP SURFACE OF EXISTING BUTTRESS CONCRETE.
2. TWO EQUAL FTG. STEPS FOR WALL SEGMENTS 6 & 7, 2'-6" SHOWN. ACTUAL STEP HEIGHT DETERMINED IN FIELD BASED ON NOTE 3.
3. BOTTOM OF FTG. ELEV. FOR WALL SEGMENT 7 DETERMINED IN FIELD BASED ON BALANCING EXCAVATION DEPTH AND FILL HEIGHT IN VICINITY OF EXISTING UTILITY POLE. SEE NOTE 4.
4. PROVIDE A FINISHED GRADE 4'-0" ABOVE BOTTOM OF FOOTINGS ON SOIL.
5. AT FTG. STEPS, PROVIDE EITHER A KEYED CONSTRUCTION JOINT OR CHAMFER FRONT FACE OF WALL. SEE DETAILS DWG. DET-3.
6. SECTION A-A APPLICABLE FOR WALL SEGMENTS 1-4. SECTION B-B APPLICABLE FOR WALL SEGMENTS 5-7.
7. FOR SECTIONS A-A & B-B SEE DWG. DET-2. FOR SECTIONS C-C SEE DWG. DET-3.

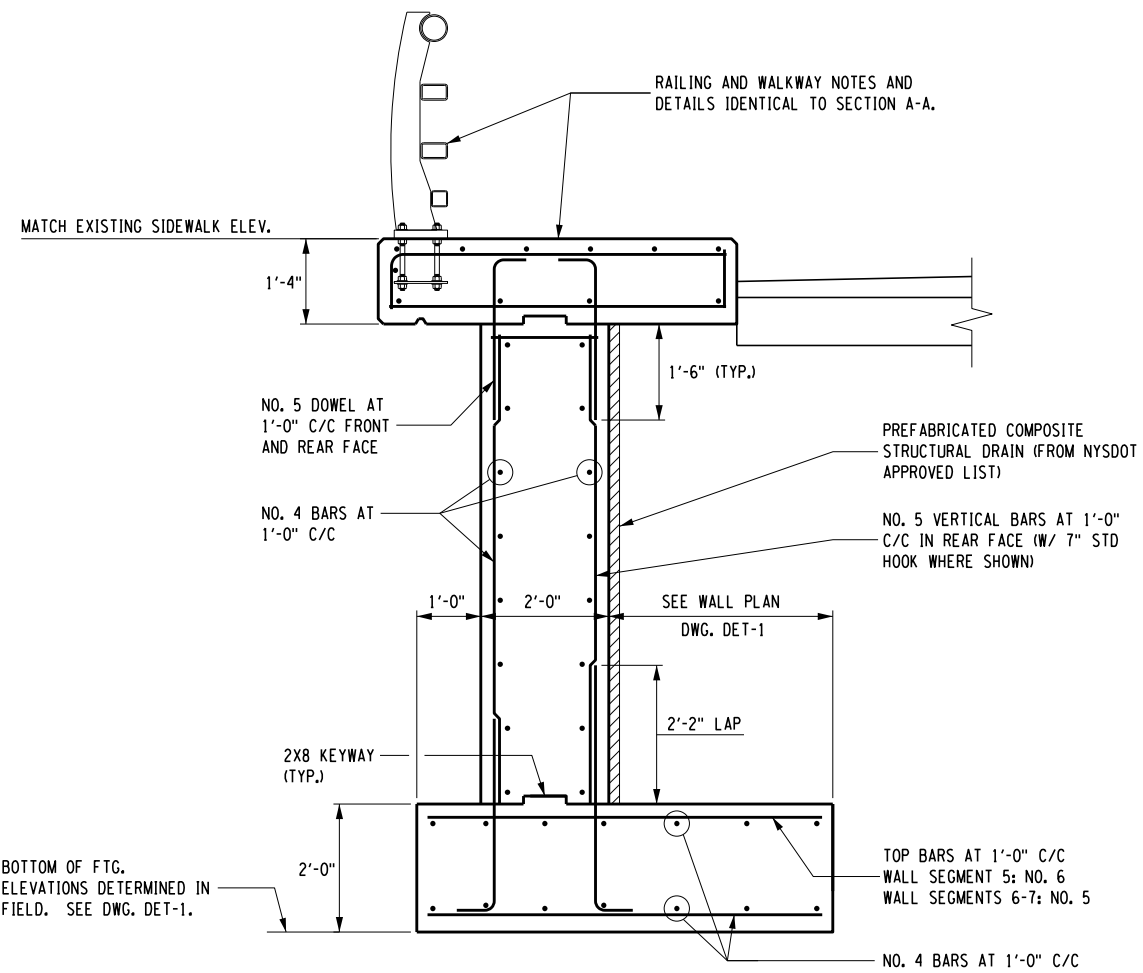
AFFIX SEAL: GREENMAN - PEDERSEN, INC
ON: JOHN P. SIMKULET

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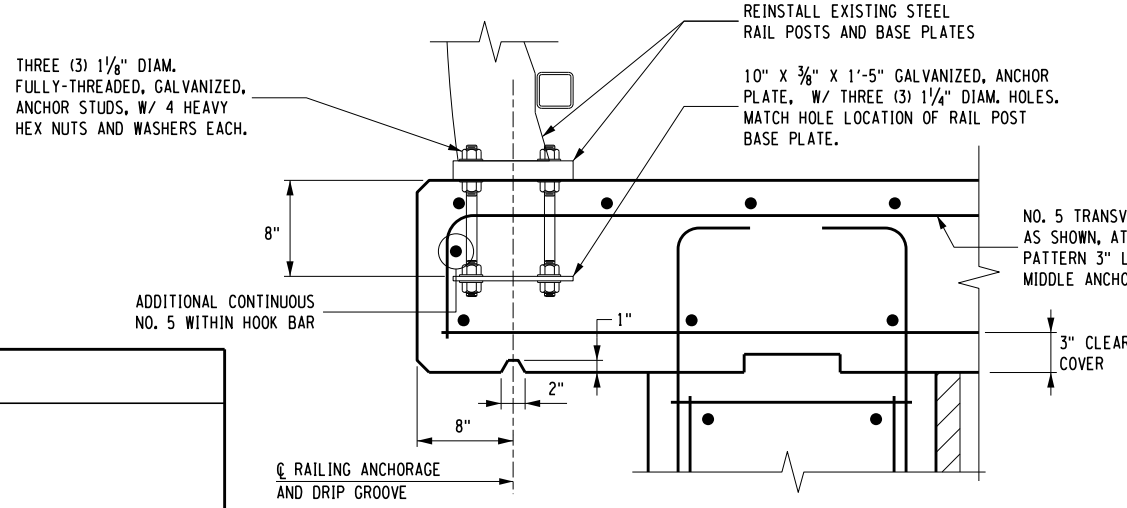
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CONSULTING ENGINEERS

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	CHURCH STREET OVER THE METTAWEE RIVER	PIN	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	COUNTY: WASHINGTON	DATE: JUNE, 2015			WALL RECONSTRUCTION PLAN & ELEVATION	DRAWING NO. DET-1 SHEET NO. 2 OF XX
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.					NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION DOCUMENT NAME:	

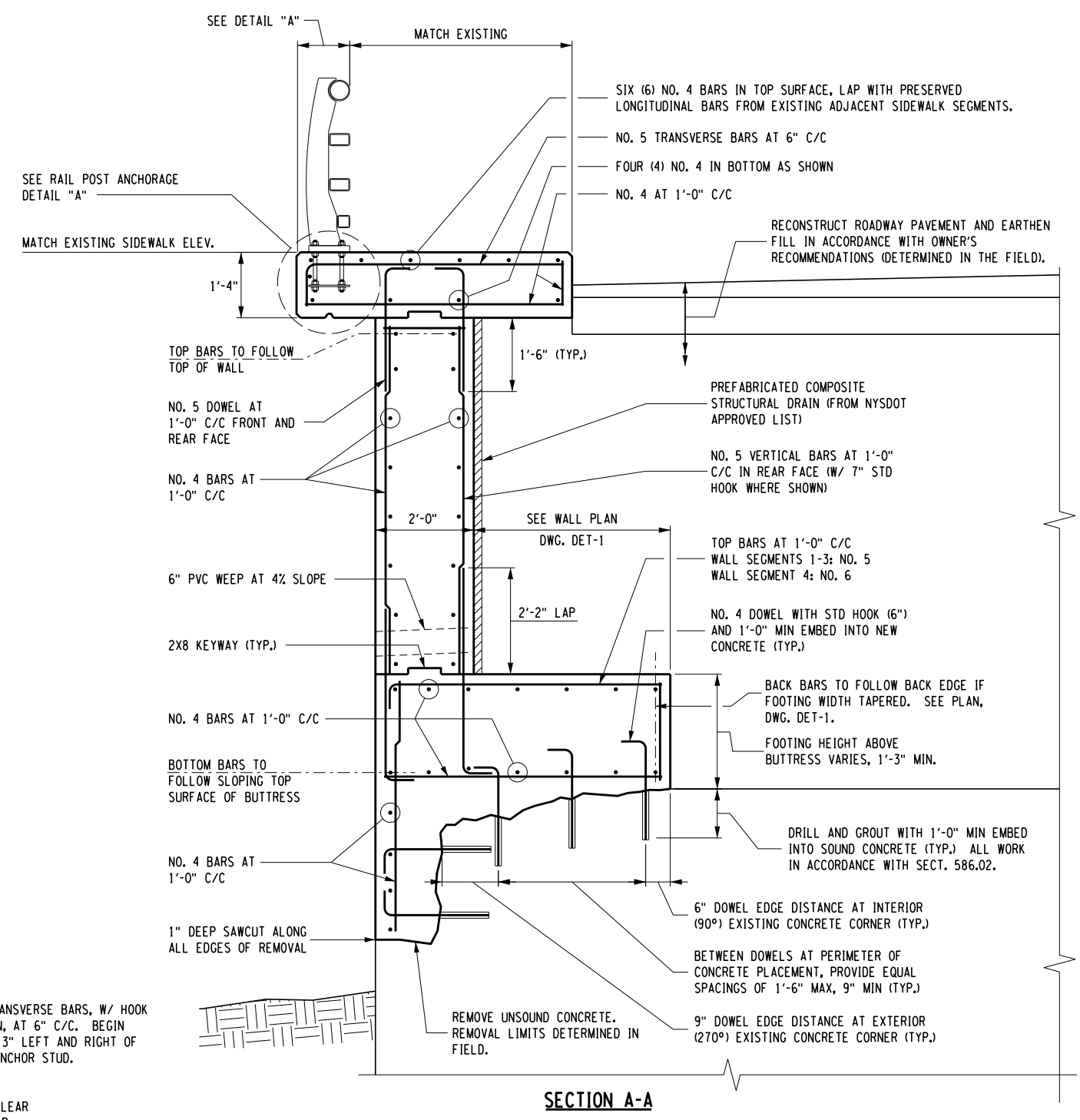
PROJECT MANAGER J. SIMKULET
 CHECK B. WEAVER
 DRAFTING E. SCHAUFFERT
 CHECK J. SIMKULET
 DESIGN E. SCHAUFFERT
 DESIGN W. GRIMMKE
 JOB MANAGER W. GRIMMKE
 DESIGN SUPERVISOR J. SIMKULET



SECTION B-B



DETAIL "A"



SECTION A-A

NOTES:

- UNLESS OTHERWISE NOTED, ALL REINFORCING BARS ARE NO. 4 AT 1'-0" C/C SPACING WITH 1'-4" MIN. LAPS.
- CLEAR CONCRETE COVER FOR FOOTINGS ON SOIL SHALL BE 3". COVER FOR ALL OTHER LOCATIONS, UNLESS NOTED OTHERWISE, SHALL BE 2" MIN.
- PROVIDE 1" CHAMFER ON ALL EXPOSED CONCRETE EDGES.
- LAPS IN VERTICAL BARS MAY BE LOCATED AT ANY HEIGHT CONVENIENT FOR THE FIELD CUTTING OF STOCK BAR LENGTHS.
- UNLESS NOTED OTHERWISE, RECONSTRUCTION OF BUTTRESS FACE SHALL BE IN ACCORDANCE WITH TYPICAL PARTIAL-DEPTH REPAIR DETAILS, SEE DWG. DET-3.
- PRIOR TO PLACEMENT OF PROPOSED CONCRETE, ALL EXISTING CONCRETE SURFACES TO RECEIVE NEW CONCRETE SHALL BE PREPARED AS SPECIFIED IN TYPICAL PARTIAL-DEPTH REPAIR DETAILS, SEE DWG. DET-3.
- DETAILS SHOWN IN SECTION A-A ARE APPLICABLE TO WALL SEGMENTS 1-4 AND DETAILS SHOWN IN SECTION B-B ARE APPLICABLE TO WALL SEGMENTS 5-7. SEE DWG. DET-1 FOR WALL SEGMENT DESIGNATIONS.

AFFIX SEAL: GREENMAN - PEDERSEN, INC
ON: JOHN P. SIMKULET

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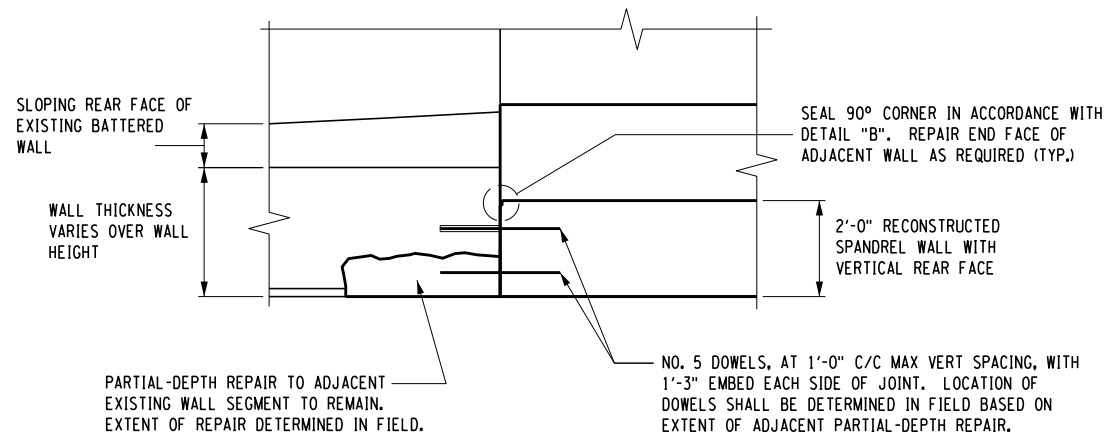
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	CHURCH STREET	PIN	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	OVER THE METTAWEE RIVER					WALL RECONSTRUCTION TYPICAL SECTIONS
	COUNTY: WASHINGTON	DATE: JUNE, 2015				

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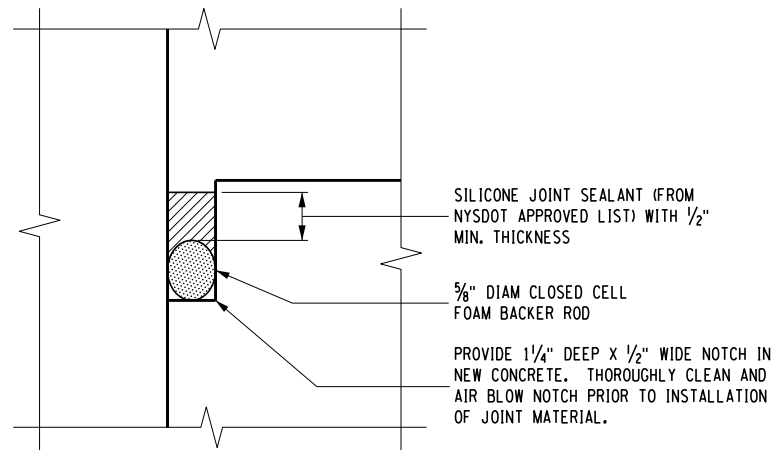
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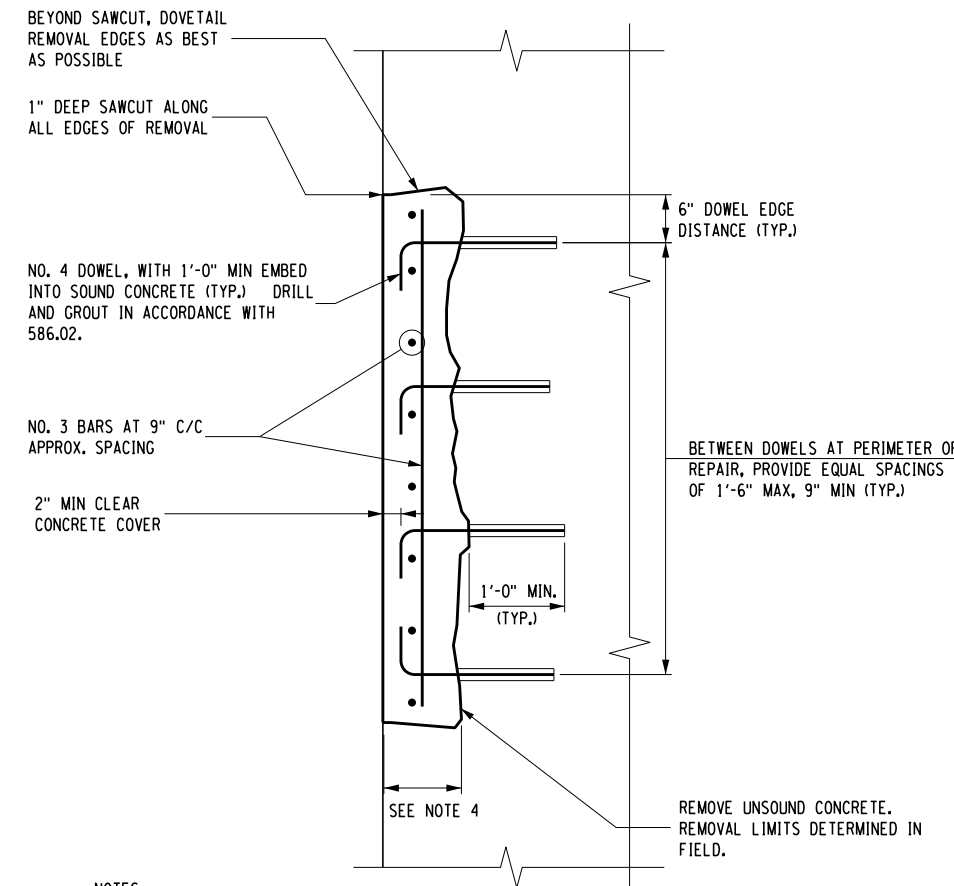
PROJECT MANAGER J. SIMKULET
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SECTION C-C



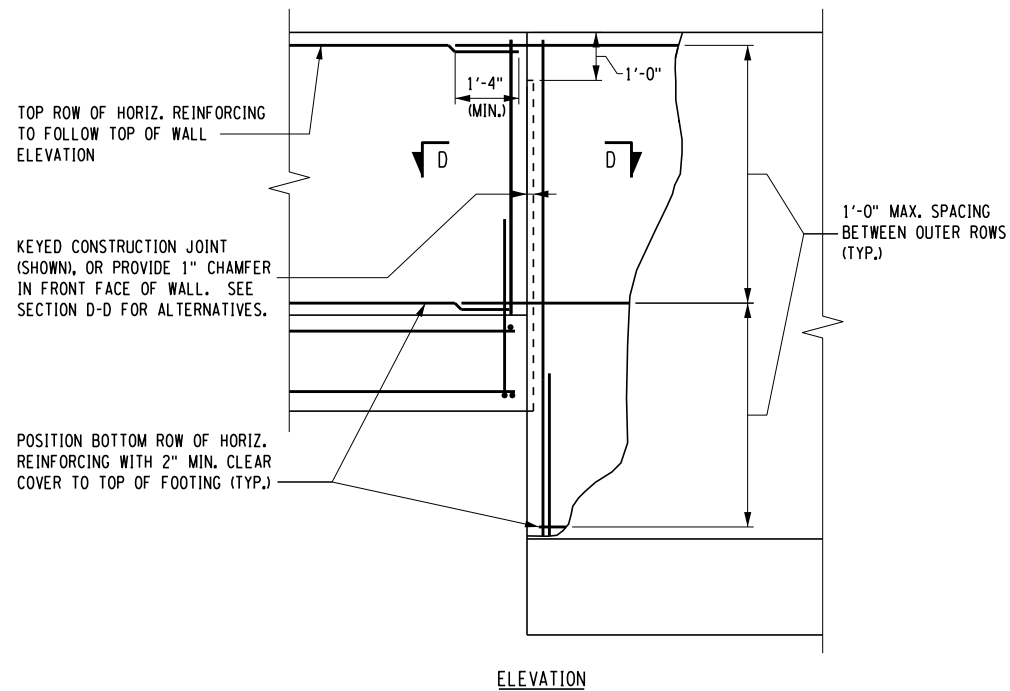
JOINT SEALING DETAIL "B"



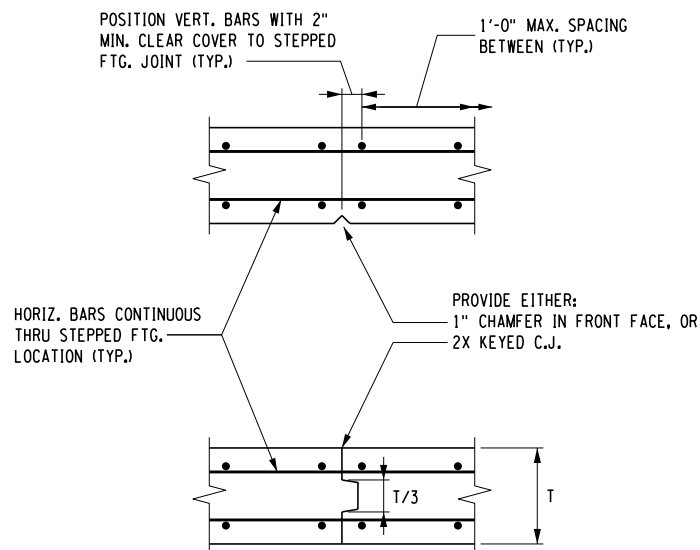
NOTES:

- UNLESS NOTED OTHERWISE, ALL WORK ASSOCIATED WITH THE REMOVAL AND REPLACEMENT OF STRUCTURAL CONCRETE SHALL BE IN ACCORDANCE WITH SECT. 582 OF THE NYS DOT STD. SPECIFICATIONS. THIS INCLUDES THE 45 LB WEIGHT AND OTHER HAMMER LIMITATIONS PROVIDED BY REFERENCE IN SECT. 580-3.02.
- IN LIEU OF THE THOROUGH WETTING OF EXISTING CONCRETE PRIOR TO NEW CONCRETE PLACEMENT, AN APPROVED BONDING AGENT MAY BE USED. ALL WORK SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- EXISTING REINFORCEMENT NOT SHOWN. SKETCHES FROM THE 1920 ORIGINAL CONSTRUCTION SUGGEST THAT A MINIMAL AMOUNT OF WIDELY SPACED REINFORCEMENT EXISTS IN THE ARCH AND SPANDREL WALL FACES. LOCATION AND NUMBER OF NEW BARS SHALL BE ADJUSTED AS REQUIRED TO ACCOMMODATE ANY EXISTING REINFORCEMENT THAT IS ENCOUNTERED.
- DEPTH OF REMOVAL SHALL BE THE GREATER OF THE DEPTH TO SOUND CONCRETE, OR TO 2" BEYOND THE INNER MOST POINT OF EXISTING REINFORCEMENT, OR 5".

TYPICAL PARTIAL-DEPTH CONCRETE REPAIR



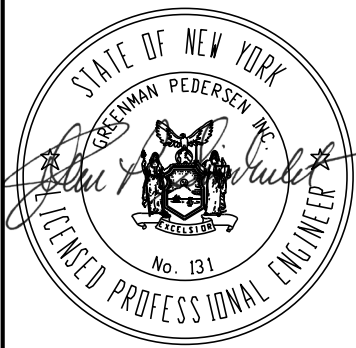
ELEVATION



SECTION D-D

STEPPED FOOTING DETAILS

AFFIX SEAL: GREENMAN - PEDERSEN, INC
 ON: JOHN P. SIMKULET
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 ON:



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 CONSULTING ENGINEERS

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	OVER THE METTAWEE RIVER					DRAWING NO. DET-3
	COUNTY: WASHINGTON	DATE: JUNE, 2015			MISCELLANEOUS DETAILS	SHEET NO. 4 OF XX

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