

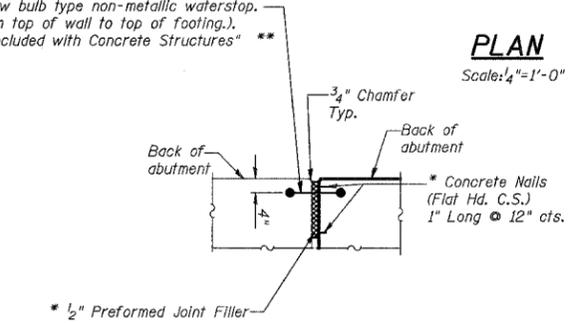
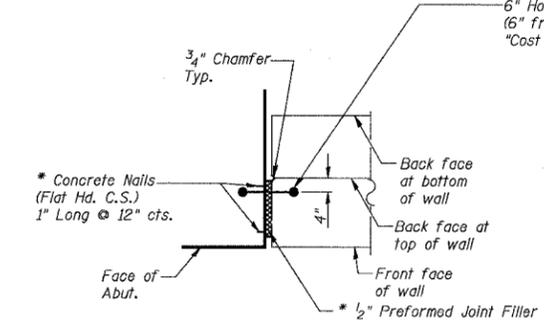
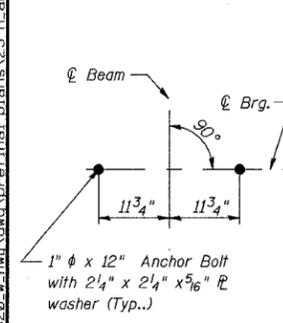
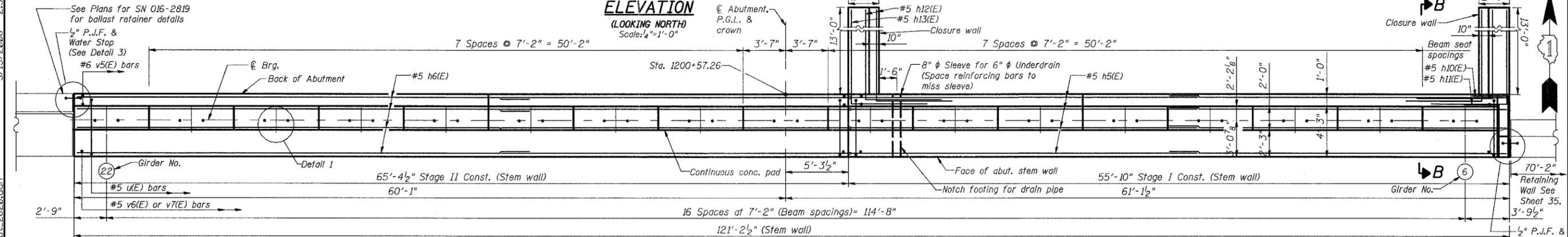
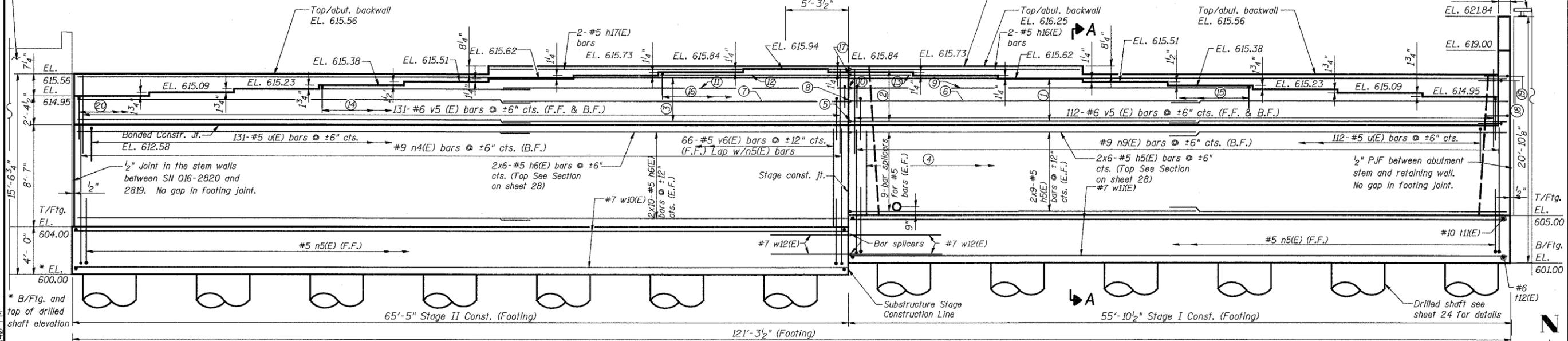
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 351	2008-001VB	COOK	579	433
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 23  
54 SHEETS

CONTRACT NO. 60E10

See drawing for N. Abutment S.N. 016-2819



- PLAN**  
Scale: 1/4" = 1'-0"
- 4x2-#5 h5(E) bars @ ±12" cts. (E.F.)
  - 5-Bar splicers for #5 bars (E.F.)
  - 4x2-#5 h6(E) bars @ ±12" cts. (E.F.)
  - 57-#5 v7(E) bars @ ±12" cts. (F.F.) Lap with n5(E) bars
  - 6-Bar splicers for #5 bars
  - 6x2-#5 h5(E) bars @ ±12" cts.
  - 6x2-#5 h6(E) bars @ ±12" cts.
  - 4-#5 h6(E) bars @ ±8" cts.
  - 4-Bar splicers for #5 bars
  - 4x2-#5 h7(E) bars @ ±8" cts.
  - 4-#5 h8(E) bars @ ±8" cts.
  - 4-#5 h9(E) bars @ ±8" cts.
  - 45-#5 u(E) bars @ ±12" cts.
  - 35-#5 u(E) bars @ ±12" cts.
  - 22-#5 u(E) bars @ ±12" cts.
  - 4-Bar splicers for #5 bars
  - 11-#5 h10(E) bars @ ±6" cts.
  - 11-#5 h11(E) bars @ ±6" cts.
  - 122-#5 u2(E) bars @ ±12" cts.

- NOTES:**
- Reinforcement bars designated (E) shall be epoxy coated.
  - Work this sheet with sheets 24 through 28.
  - See Sheet 28 for Section A-A, Section B-B.
  - Cast steps monolithically with cap.
  - Space reinforcement in seat to miss anchor bolts.
  - See sheet 25 for Bill of Materials.
  - Cost of pipe sleeve is included with Concrete Structures.
  - Min. lap length for #5 bar is 2'-2" and for #7 bar is 3'-10"
  - Bars indicated thus 5x2-#5 etc. indicates 5 lines of bars with 2 lengths per line
  - See Sheet 24 of U.S. 6 Mainline Retaining Walls Along 159th Street plans for Pipe Underdrain Layout and Quantities.

DESIGNED	EV
CHECKED	NPP
DRAWN	EV
CHECKED	NPP

\* Cost Included with Concrete Structures.  
 \*\* Contractor to provide protective cover for Water Seal subject to the approval of the Engineer.

**URS**  
100 South Wacker Drive,  
Suite 500  
Chicago, IL 60606  
(312) 939-1000

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
US RTE 6 FROM I-294 TO IL RTE 1  
**NORTH ABUTMENT**  
SN 016-2820  
STRUCTURES FOR CN INTERMODAL  
YARD VEHICLES OVER U.S. RTE. 6 (159TH STREET)  
STATION 95+02.14 STRUCTURE NOS. 016-2820  
& 016-2821  
SCALE: AS NOTED DATE: 2/21/2008