

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

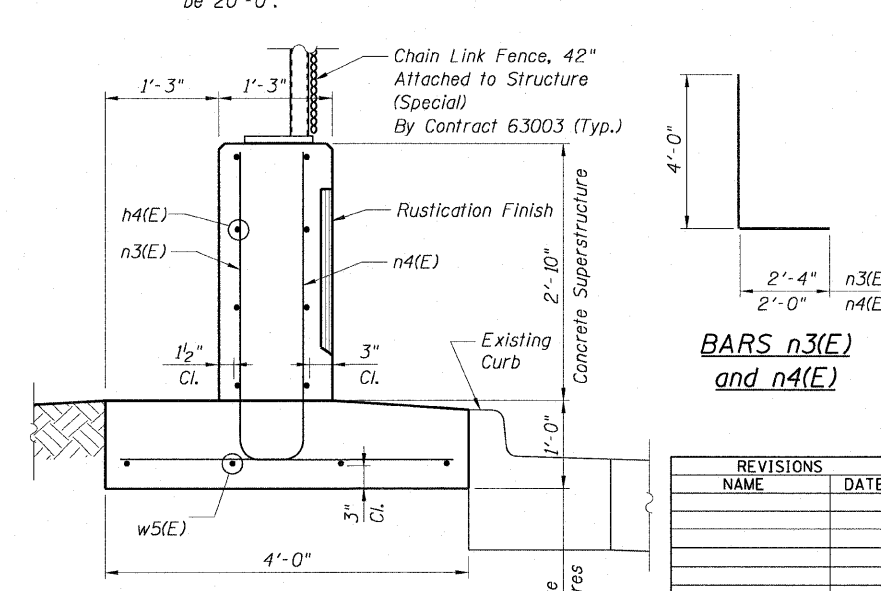
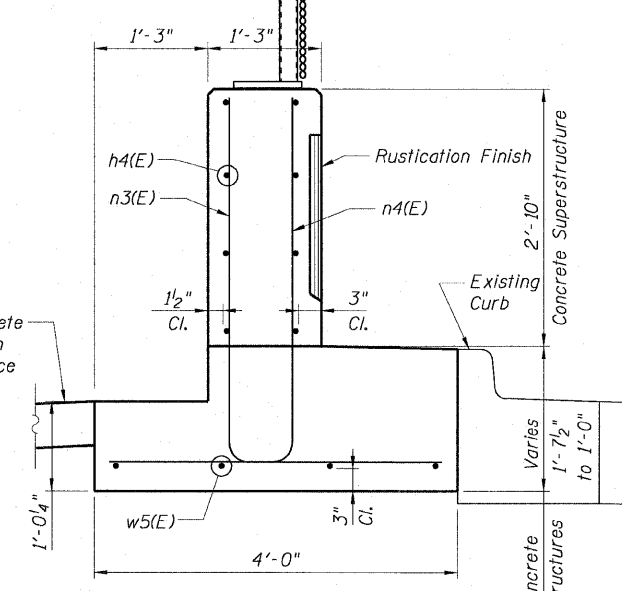
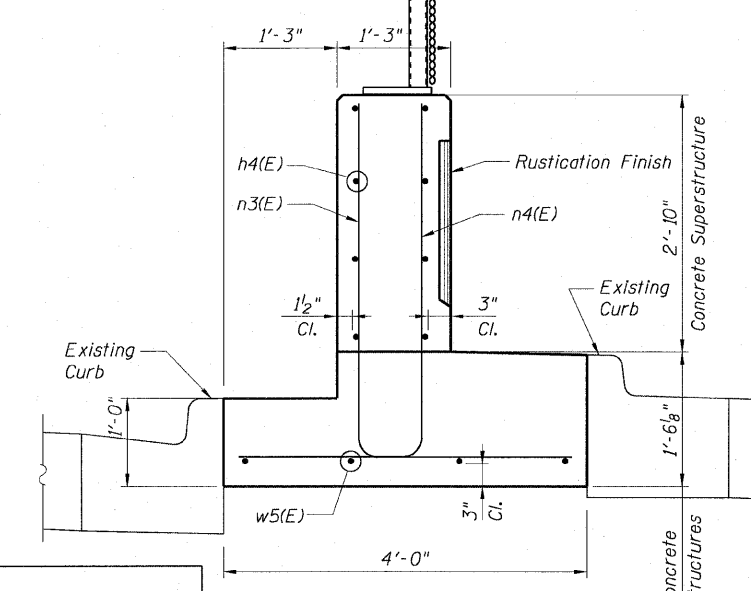
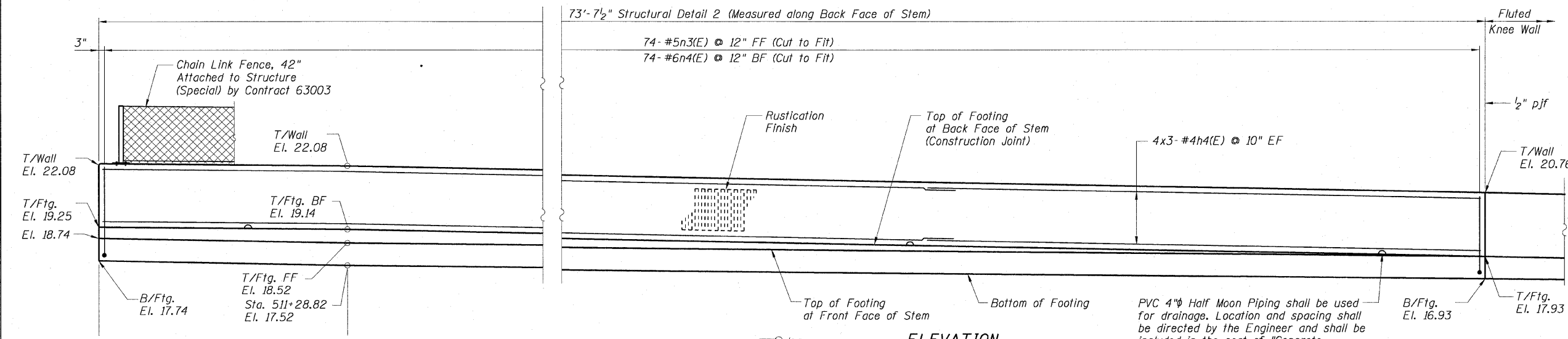
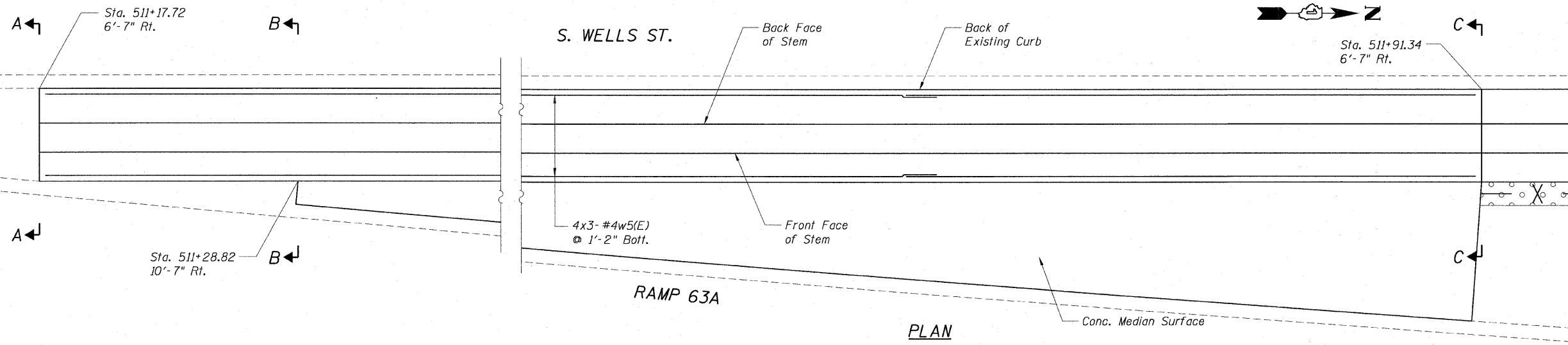
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	31	25
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
(1919.15 & 2021-922 PT1) I			62985	

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h4(E)	24	#4	25'-10"	—
n3(E)	74	#5	6'-4"	—
n4(E)	74	#6	6'-0"	—
w5(E)	12	#4	25'-10"	—
Item	Unit	Quantity		
Concrete Structures	Cu. Yd.	13.5		
Concrete Superstructure	Cu. Yd.	9.6		
Reinforcement Bars, Epoxy Coated	Pound	1777		
Rustication Finish	Sq. Ft.	133		
Protective Coat	Sq. Yd.	82		

NOTES:

- For location of Fluted Knee Wall, see Civil Drawings. Stations and offsets are measured from the @ S. Wells St. edge of the footing.
- Reinforcement bar shall conform to the requirements of AASHTO M-31 or M-322 Grade 60.
- Concrete: $f'c = 3500$ psi
- At locations where Fluted Knee Wall abuts a rigid structure, a 1/2" thick preformed expansion joint filler (PJF) conforming to the shape of the structure shall be installed between the wall and the structure. 3/4" PJF shall be installed where Fluted Knee Wall footing abuts curb and gutter. The cost shall be included in "Concrete Structures".
- A protective coat shall be applied according to Section 503.19 of the Standard Specifications to all concrete surfaces not in contact with soil for Structural Detail 2.
- Chain Link Fence will not be paid for in this Contract, but shall be furnished and installed in Contract 63003.
- For dimensions and details not shown in the sections, see Standard Knee Wall Details Sheet S1.
- Minimum lap for #4 bars shall be 1'-8".
- BF = Back Face
EF = Each Face
FF = Front Face



BARS n3(E) and n4(E)

REVISIONS	NAME	DATE

AECOM

SECTION A-A

SECTION B-B

SECTION C-C

Sheet S3 of 5

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
63RD ST TO 59TH ST (NB AND SB KNEE WALLS)
STRUCTURAL DETAIL 2
RAMP 63A GORE
STA. 511+17.72 TO STA. 511+91.34
WELLS STREET

SCALE: None
DATE: JANUARY 14, 2009

DRAWN BY: CHD
CHECKED BY: MJP