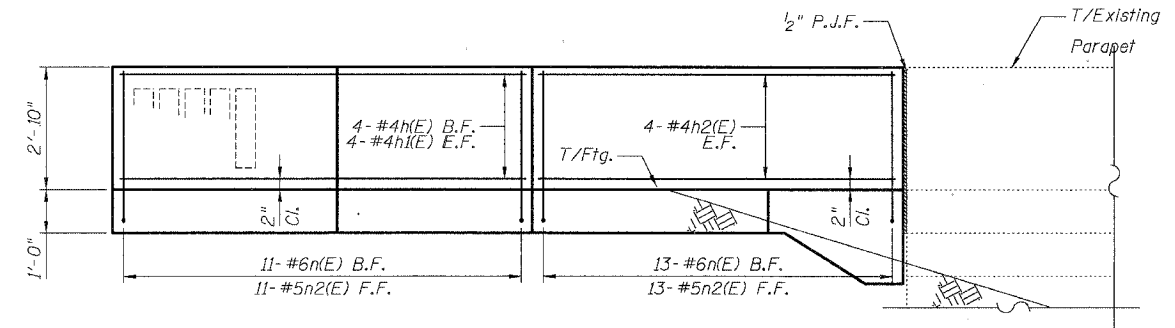
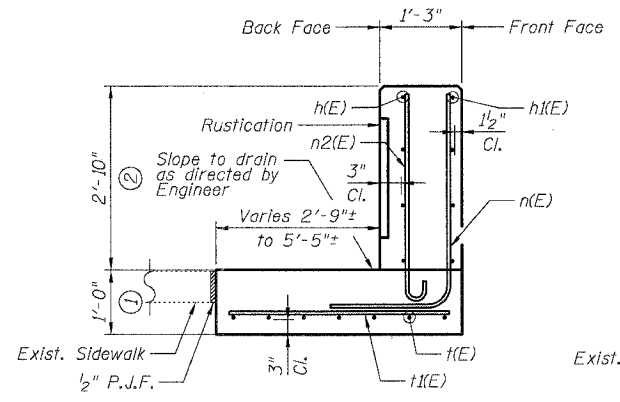


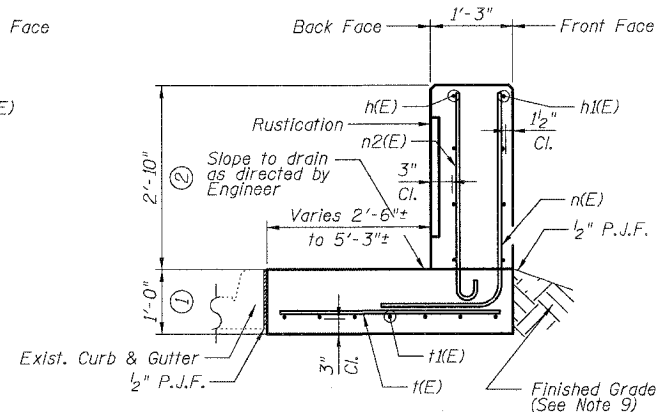
F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	27	14
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62990				



UNFOLDED FRONT FACE ELEVATION



SECTION A-A



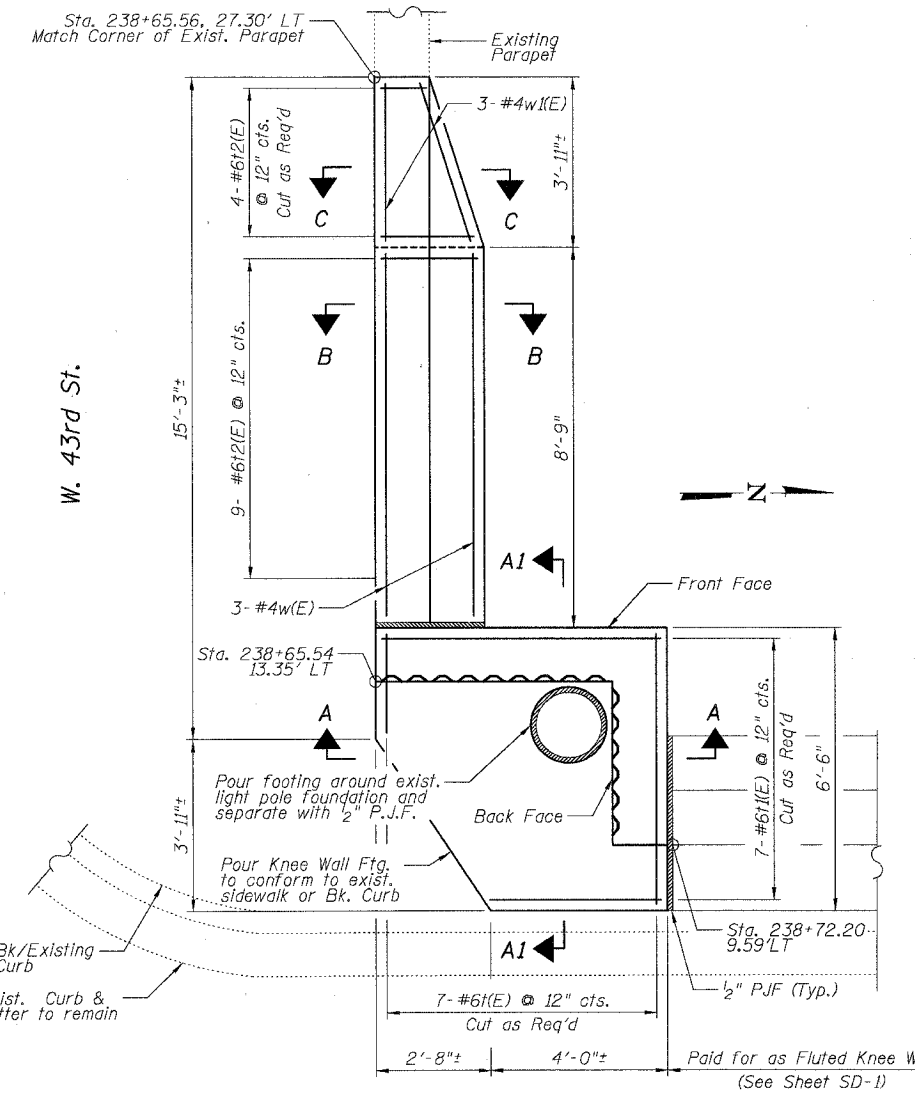
SECTION A1-A1

DETAIL A REINFORCEMENT SCHEDULE AND BILL OF MATERIAL

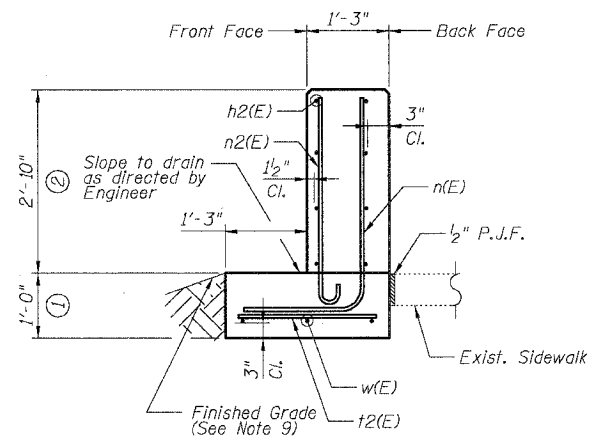
Bar	No.	Size	Length	Shape
n(E)	4	#4	9'-2"	┌
h(E)	4	#4	11'-0"	┌
h2(E)	8	#4	12'-4"	┌
n(E)	24	#6	5'-6"	L
n2(E)	24	#5	4'-0"	┌
i(E)	7	#6	6'-2"	┌
h(E)	7	#6	6'-4"	┌
h(E)	13	#6	2'-2"	┌
w(E)	3	#4	8'-4"	┌
w(E)	3	#4	3'-8"	┌
Item Unit Qty.				
Concrete Structures			Cu. Yd.	2.8
Concrete Superstructure			Cu. Yd.	3.1
Reinforcement Bars, Epoxy Coated			Pound	620
Rustication Finish			Sq. Ft.	17
Protective Coat			Sq. Yd.	14

NOTES:

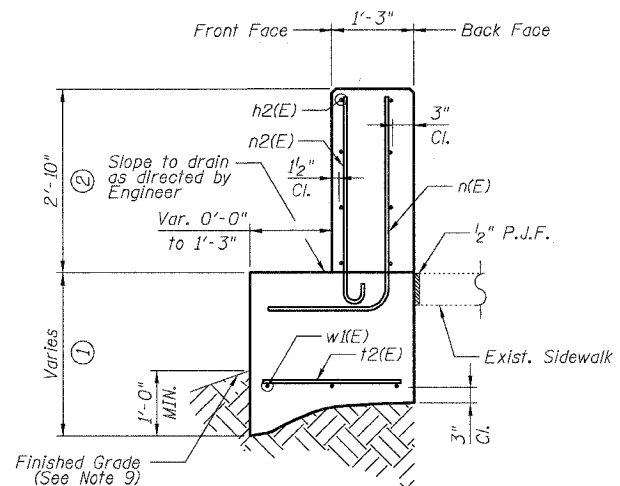
- All stations and offsets measured from S. La Salle St. ☐.
- Back Face is face adjacent to Frontage Rd. and Front Face is face adjacent to Expressway.
- Concrete: f'c = 3500 psi
- Provide California Finish on top of foundation between stem and Frontage Road. See Roadway Details.
- At locations where Fluted Knee Wall abuts a rigid Structure, a 2" thick Preformed Expansion Joint Filler conforming to the shape of the Structure shall be installed between the Fluted Knee Wall and the Structure.
- Apply Protective Coat to top and back face of stem and top of Frontage Road side of foundation.
- For Fluted Knee Wall standard details, see Sheet SD-1
- B.F. = Back Face (Frontage Road Side)
F.F. = Front Face (Expressway Side)
E.F. = Each Face
- Shape finished grade as required to match existing conditions.
- P.J.F. Included in cost of concrete structures.



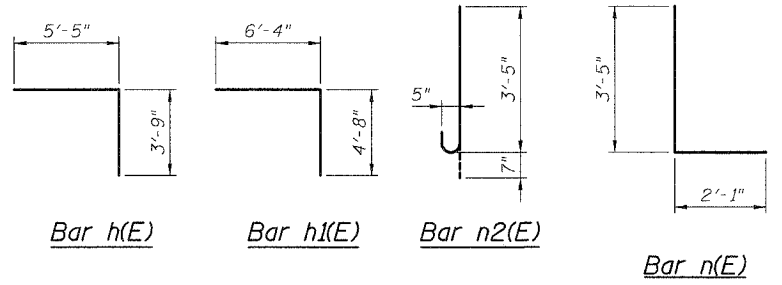
DETAIL A - PLAN



SECTION B-B



SECTION C-C



REVISIONS	
NAME	DATE

SHEET SD-2

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
NORTHBOUND KNEE WALLS (43RD ST TO ROOT ST)

DETAIL A

SCALE: NTS
DATE: 04/25/08

DRAWN BY: TL
CHECKED BY: BLU

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
Chicago, Illinois
312.228.0100
www.bbainc.com

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