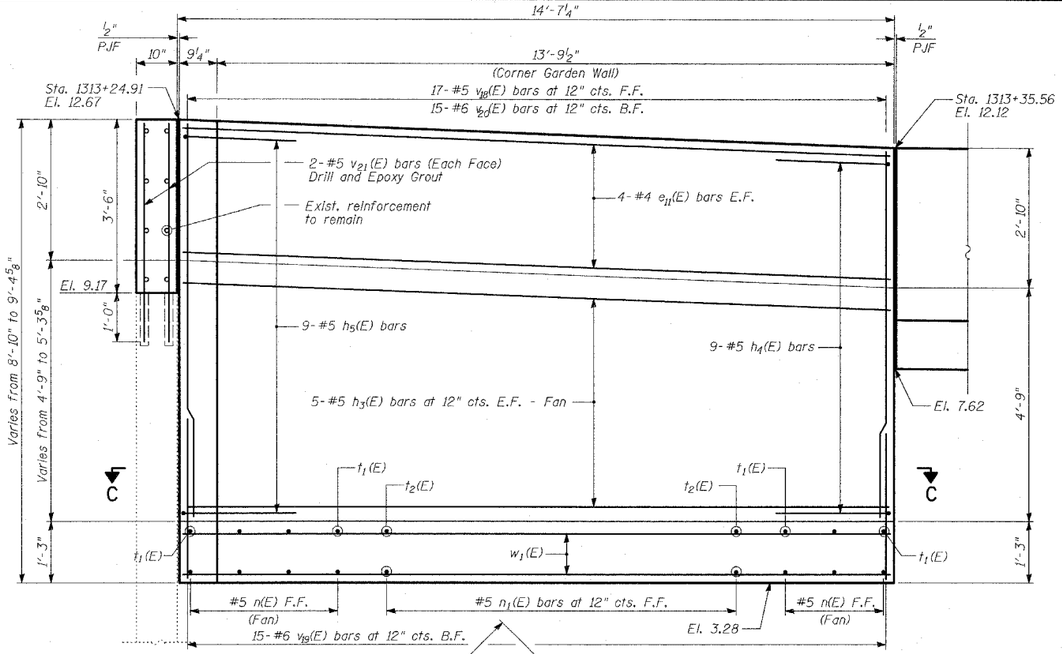
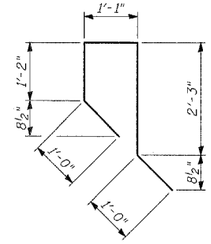
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	•	COOK	907	575
STA. 1200+00.00	TO STA. 1365+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• (1516.I, 1717 & 1818) R-9				62695

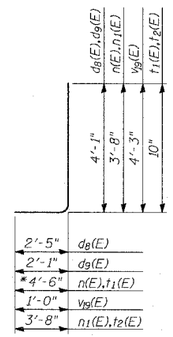


ELEVATION AT FRONT FACE

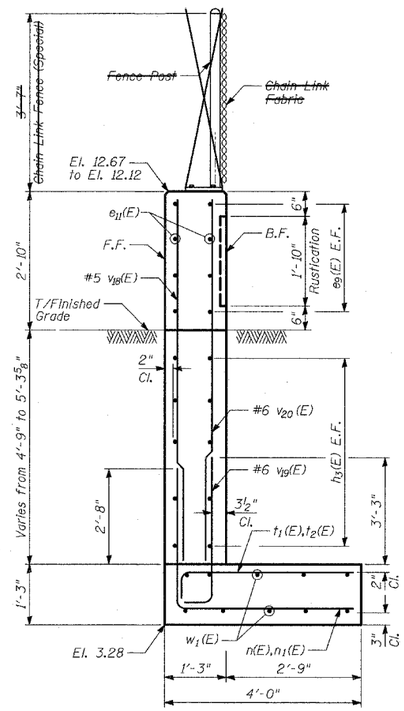
(Chain Link Fence not shown for clarity)



BAR $h_4(E)$

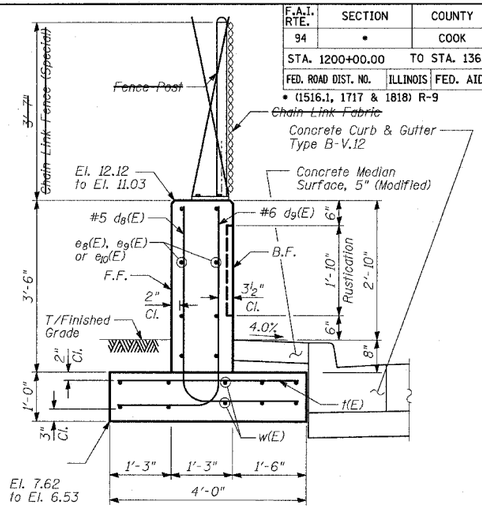


BARS $d_8(E)$, $d_9(E)$, $n(E)$, $n_1(E)$, $t_1(E)$, $t_2(E)$ and $v_{19}(E)$



SECTION B-B

Sta. 1313+24.91 to Sta. 1313+35.56



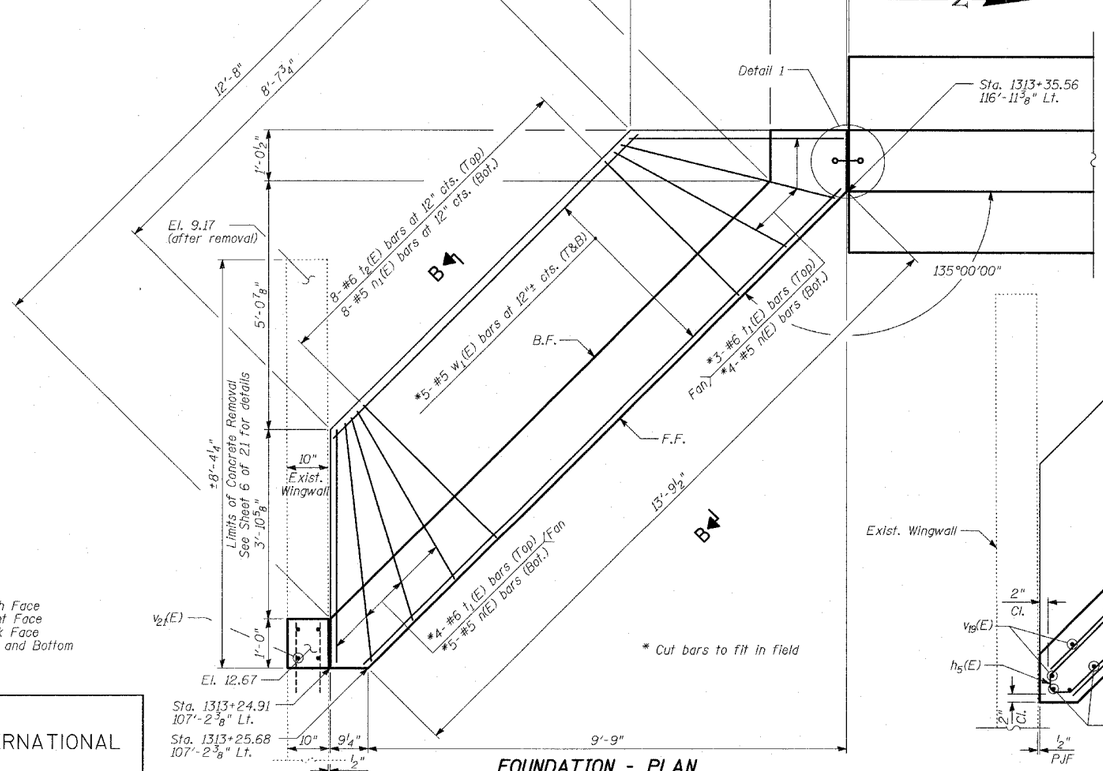
SECTION A-A

Sta. 1313+35.56 to Sta. 1314+52.11

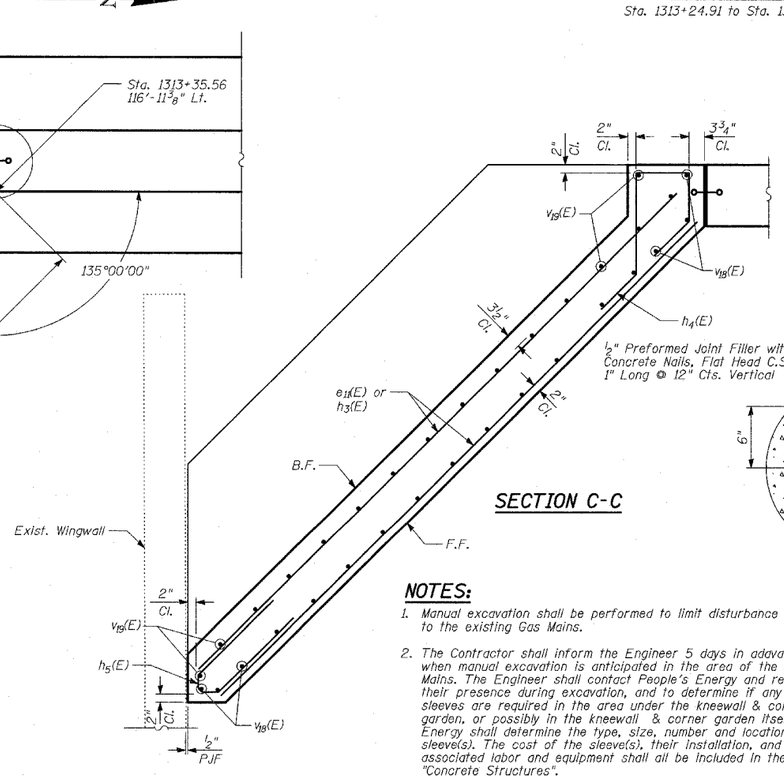
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
$d_8(E)$	119	#5	6'-6"	
$d_9(E)$	119	#6	6'-2"	
$e_8(E)$	8	#4	27'-0"	
$e_9(E)$	16	#4	29'-8"	
$e_{10}(E)$	8	#4	31'-8"	
$e_{11}(E)$	8	#4	13'-7"	
$h_3(E)$	10	#5	13'-7"	
$h_4(E)$	9	#5	6'-6"	
$h_5(E)$	9	#5	5'-2"	
$n(E)$	9	#5	8'-2"	
$n_1(E)$	8	#5	7'-4"	
$t(E)$	116	#5	3'-8"	
$t_1(E)$	7	#6	5'-4"	
$t_2(E)$	8	#6	4'-6"	
$v_{18}(E)$	17	#5	7'-5"	
$v_{19}(E)$	15	#6	5'-3"	
$v_{20}(E)$	15	#6	7'-5"	
$v_{21}(E)$	4	#5	4'-4"	
$w(E)$	40	#5	24'-10"	
$w_1(E)$	10	#5	13'-7"	
Reinforcement Bars, Epoxy Coated		POUND	5,170	
Concrete Removal		CU YD	1	
Structure Excavation		CU YD	81	
Concrete Structures		CU YD	44	
Protective Coat		SQ YD	101	
Rustication Finish		SQ FT	236	
Removing and Re-Erecting Existing Railing		FOOT	11	

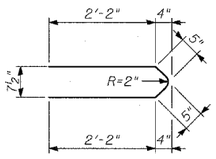
Reinforcement bars designated (E) shall be epoxy coated.



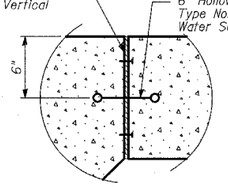
FOUNDATION - PLAN



SECTION C-C



BAR $h_5(E)$



DETAIL 1

LEGEND

E.F. - denotes Each Face
F.F. - denotes Front Face
B.F. - denotes Back Face
T&B - denotes Top and Bottom

NOTES:

1. Manual excavation shall be performed to limit disturbance to the existing Gas Mains.
2. The Contractor shall inform the Engineer 5 days in advance when manual excavation is anticipated in the area of the Gas Mains. The Engineer shall contact People's Energy and request their presence during excavation, and to determine if any conduit sleeves are required in the area under the kneewall & corner garden, or possibly in the kneewall & corner garden itself. People's Energy shall determine the type, size, number and location of any sleeve(s). The cost of the sleeve(s), their installation, and any associated labor and equipment shall all be included in the cost of "Concrete Structures".

REVISIONS	
NAME	DATE
REVISED	04/15/05

TY·LIN INTERNATIONAL

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.I. 94 (DAN RYAN EXPRESSWAY) SOUTHBOUND EXIT RAMP RETAINING WALL AT 79TH ST. - WALL 72

TYPICAL SECTIONS, ELEVATIONS AND DETAILS - FLUTED KNEE WALL

S.N. 016-W971 | DESIGNED BY: MI, DJR
SCALE: N.T.S. | DRAWN BY: MAF, DJR
DATE: MARCH 25, 2005 | CHECKED BY: TD, MI

$DATE$ $TIME$