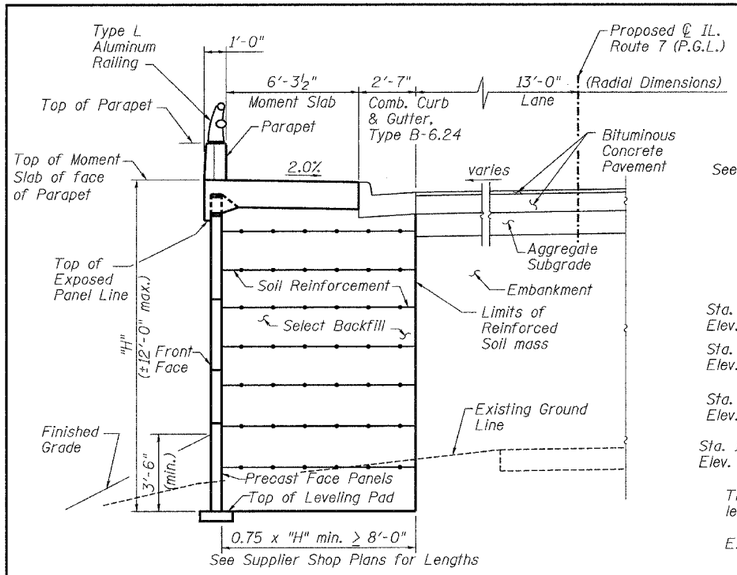
CONTRACT NO. 62712

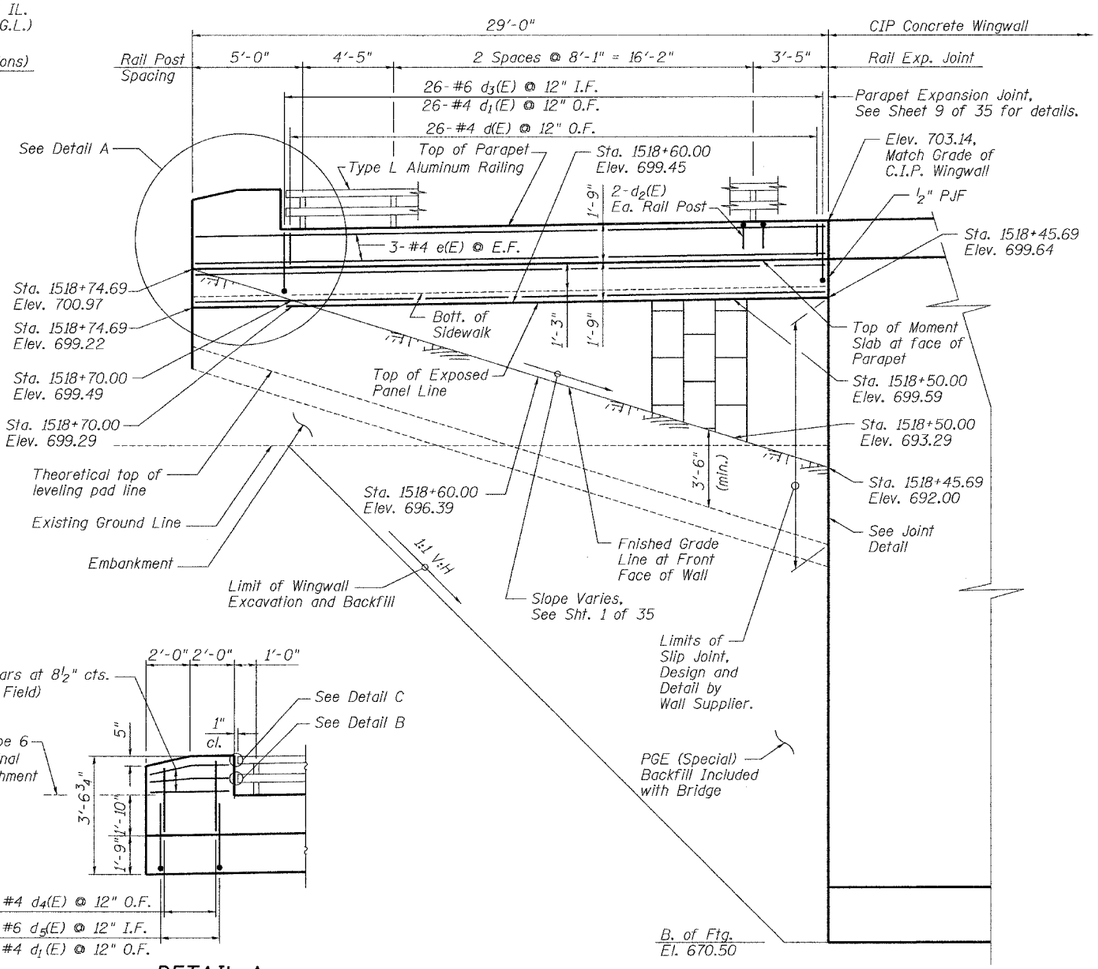
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 3578	1327 B	COOK	108	53
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

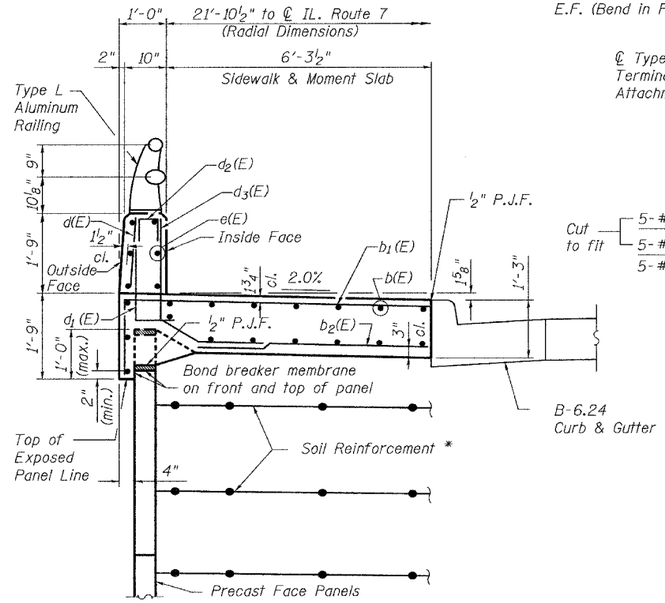
SHEET NO. 25
35 SHEETS



TYPICAL SECTION

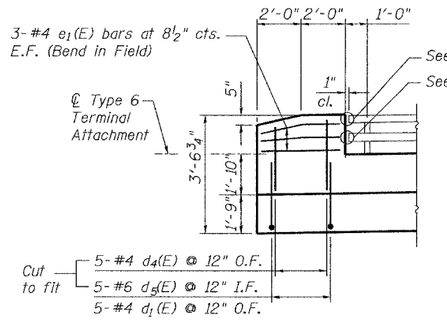
(Looking Upstation)
Sta. 1518+45.69 to Sta. 1518+74.76



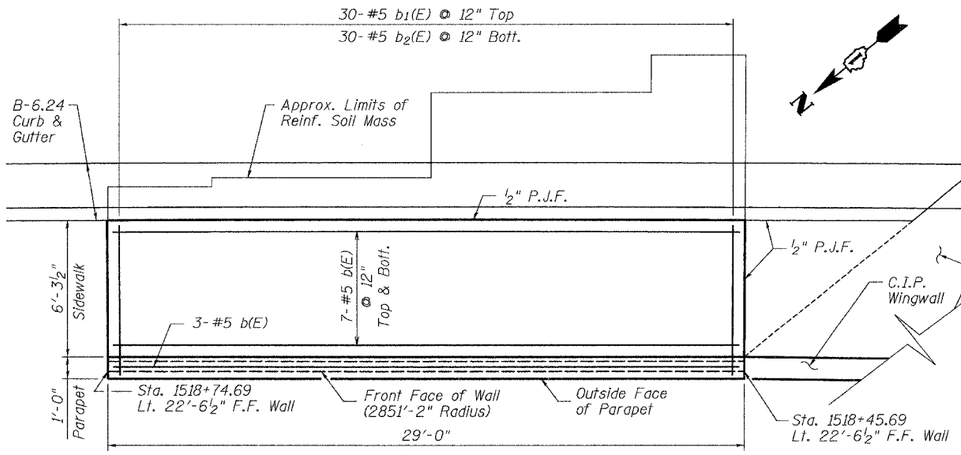


SECTION THROUGH PARAPET & MOMENT SLAB

(Looking Upstation)

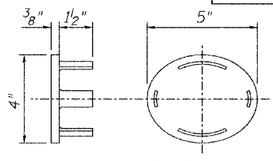


DETAIL A



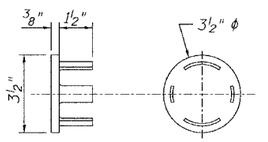
ELEVATION

PLAN



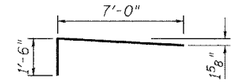
DETAIL B

DRIVE FIT END CAP
1 Required

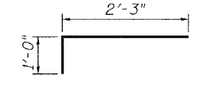


DETAIL C

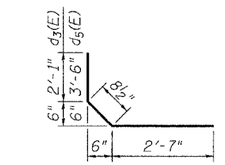
DRIVE FIT END CAP
1 Required



BAR b1(E)

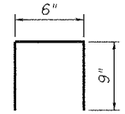


BAR d1(E)



BAR d3(E), d5(E)

(Cut Bar in Field to fit at Step Locations)



BAR d2(E)

JOINT DETAIL

Sta. 1518+45.69

Notes:

See Special Provisions for Mechanically Stabilized Earth Retaining Wall design and construction requirements.

Concrete surfaces exposed to view in the completed wall shall be given a normal finish according to Article 503.16.

Work on MSE Wingwall shall be done in conjunction with Northwest MSE retaining wall on Shts. 1 thru 22 of 22, SN016-W970.

See Sht. 13 of 35 for Railing Details.

Reinforcement bars designated (E) shall be epoxy coated.

Cost of Slip Joint included in the pay item "Mechanically Stabilized Earth Retaining Wall".

⅜" welded plate in lieu of drive fit end cap may be used as an alternate.

Cost of end caps is included in Aluminum Railing, Type L.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
b(E)	19	#5	28'-8"	
b_1(E)	30	#5	8'-6"	
b_2(E)	30	#5	5'-0"	
d(E)	26	#4	1'-7"	
d_1(E)	31	#4	3'-3"	
d_2(E)	8	#4	2'-0"	
d_3(E)	26	#6	5'-5"	
d_4(E)	5	#4	3'-3"	
d_5(E)	5	#6	6'-10"	
e(E)	6	#4	28'-8"	
e_1(E)	6	#4	3'-8"	
Mechanically Stabilized Earth Retaining Wall		Sq. Ft.	190	
Structure Excavation		Cu. Yd.	22	
Reinforcement Bars, Epoxy Coated		Pound	1480	
Concrete Structures		Cu. Yd.	12.3	

LEGEND
B.F. = Back Face
F.F. = Front Face
E.F. = Each Face
I.F. = Inside Face
O.F. = Outside Face

DESIGNED	SRT
CHECKED	JJI
DRAWN	GM
CHECKED	JJI

* The M.S.E. Wall Supplier's internal stability design shall account for the anchorage slab's bearing pressure surcharge of 0.24 k.s.f. and horizontal sliding force of 0.5 kips/ft. of wall.

Bollinger, Lach & Associates, Inc.

EAST ABUTMENT MSE WINGWALL

IL 7 (SOUTHWEST HIGHWAY) OVER US 45 (LA GRANGE ROAD)
F.A.U. ROUTE 3578 SECTION 1327B
COOK COUNTY
STA. 1516+85.79
STRUCTURE NUMBER 016-2847

W:\IL 7\Structural\Bridge\Final Plans\EAST ABUTMENT MSE WINGWALL.DGN
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