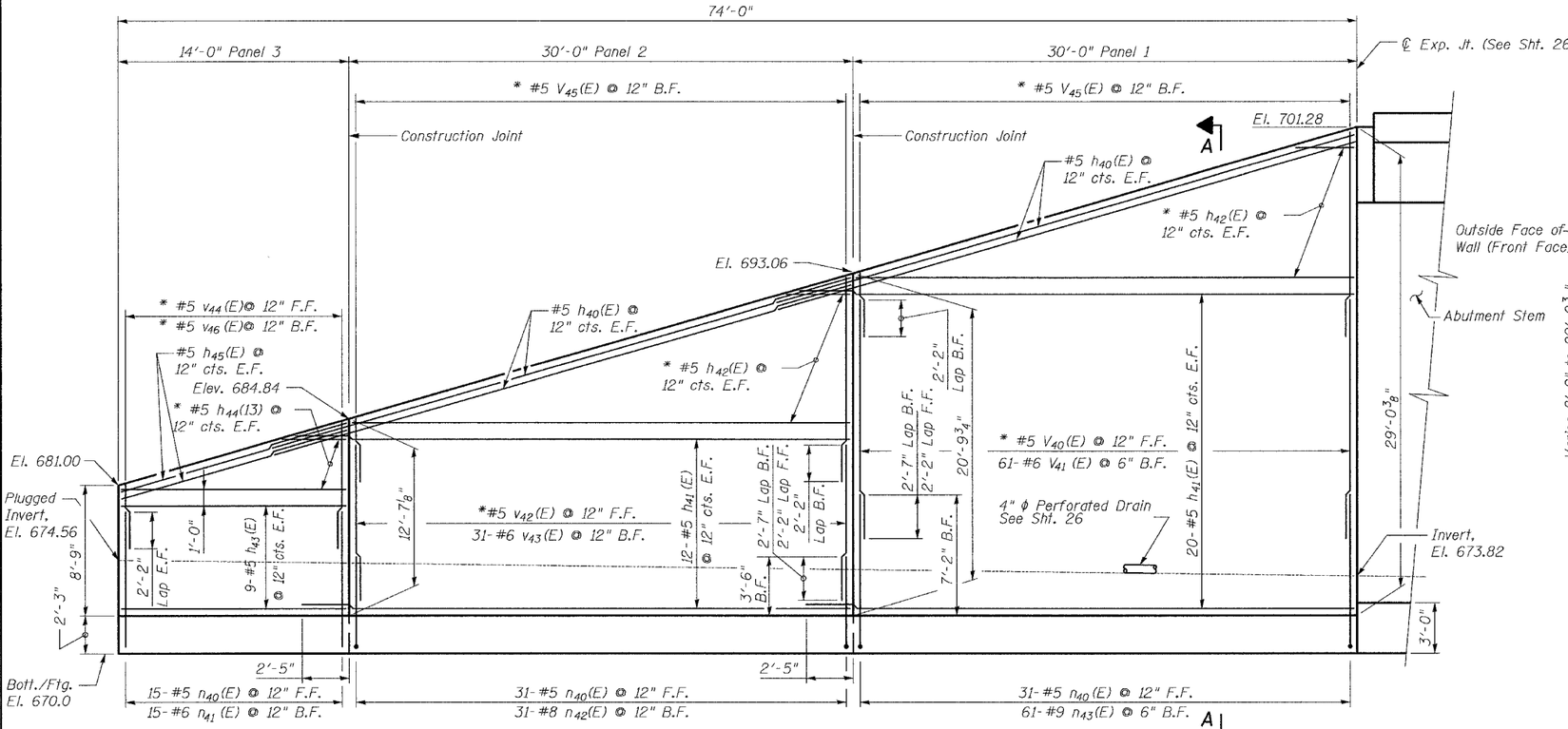
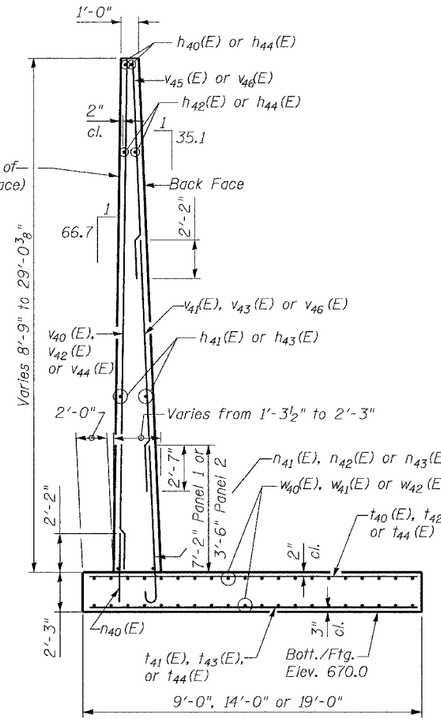
CONTRACT NO. 62712

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 3578	1327 B	COOK	108	55
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

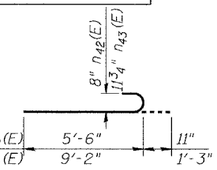
SHEET NO. 27
35 SHEETS



SOUTHWEST WINGWALL ELEVATION



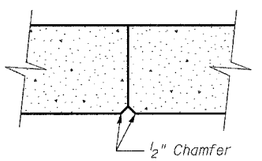
SECTION A-A



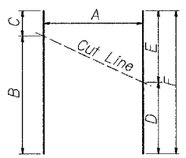
BAR n42(E), V43(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h40(E)	8	#5	33'-4"	
h41 (E)	64	#5	32'-4"	
h42(E)	16	#5	31'-11"	
h43(E)	18	#5	13'-8"	
h44(E)	4	#5	15'-7"	
h45(E)	4	#5	14'-2"	
n40(E)	77	#5	4'-2"	
n41 (E)	15	#5	8'-4"	
n42(E)	31	#8	6'-5"	
n43(E)	61	#9	10'-5"	
t40(E)	61	#9	18'-9"	
t41 (E)	31	#6	18'-9"	
t42(E)	31	#8	13'-9"	
t43(E)	31	#6	13'-9"	
t44(E)	30	#6	8'-9"	
V40(E)	16	#5	49'-2"	
V41 (E)	61	#6	14'-11"	
V42(E)	16	#5	32'-9"	
V43(E)	31	#6	10'-3"	
V44(E)	8	#5	20'-8"	
V45(E)	32	#5	14'-10"	
V46(E)	8	#5	10'-7"	
W40(E)	40	#5	29'-9"	
W41(E)	30	#5	32'-4"	
W42(E)	20	#5	16'-4"	
Concrete Structures		Cu. Yd.	177.2	
Reinforcement Bars, Epoxy Coated		Pound	20,060	
Structure Excavation		Cu. Yd.	590	
Pipe Underdrains for Structures 4"		Foot	74	
Geocomposite Wall Drain		Sq. Yd.	139	
Porous Granular Embankment (Special)		Cu. Yd.	186	
Removal and Disposal of Unsuitable Material		Cu. Yd.	473	



WALL CONSTRUCTION JOINT



*CUT DIAGRAM

Legend
B.F. = Back Face
F.F. = Front Face
E.F. = Each Face

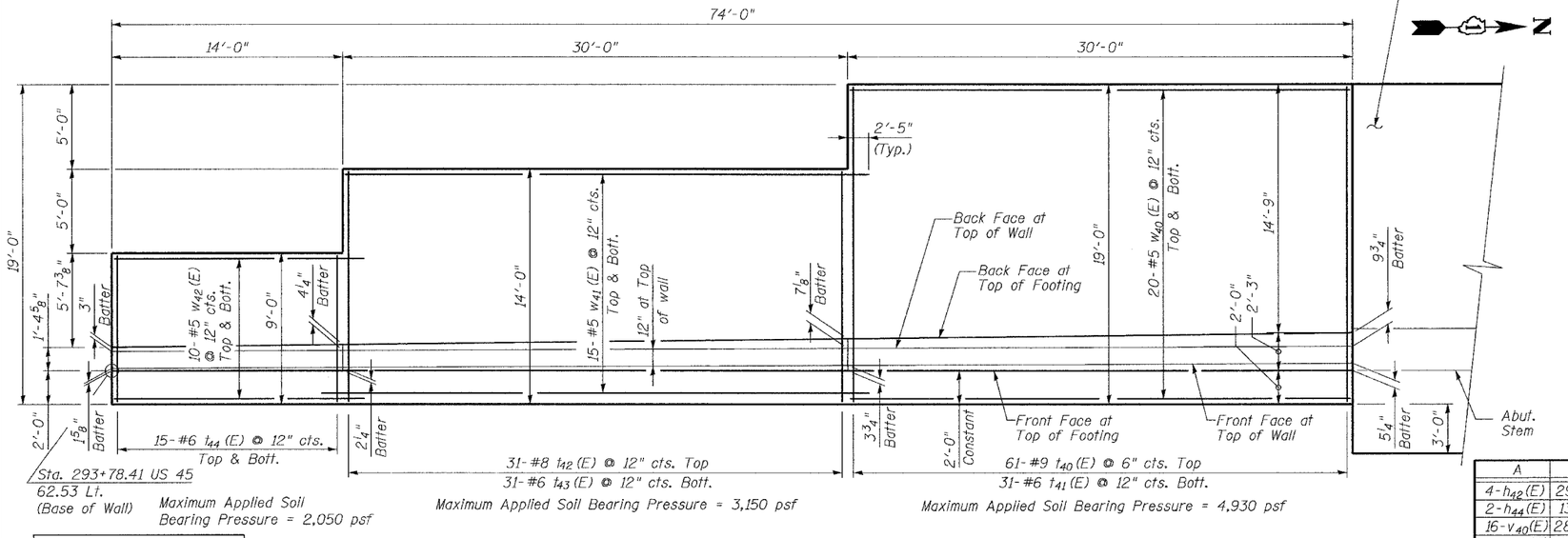
Notes:

Reinforcement bars designated (E) shall be epoxy coated.

All edges shall have standard 3/4" chamfer except as noted.

Limits of Removal and Disposal of Unsuitable Material are from Elev. 670.0 to 679.5, horizontal limits are the same as Structural Excavation.

See Sht. 28 of 35 for excavation and backfill detail.



Maximum Applied Soil Bearing Pressure = 2,050 psf

Maximum Applied Soil Bearing Pressure = 3,150 psf

Maximum Applied Soil Bearing Pressure = 4,930 psf

SOUTHWEST WINGWALL FOOTING PLAN

A	B	C	D	E	F
4-h42(E)	29'-9"	2'-2"	17'-9"	14'-2"	31'-11"
2-h44(E)	13'-5"	2'-2"	9'-2"	6'-5"	15'-7"
16-V40(E)	28'-8"	20'-6"	24'-9"	24'-5"	49'-2"
16-V42(E)	20'-6"	12'-3"	16'-6"	16'-3"	32'-9"
8-V44(E)	12'-3"	8'-5"	10'-5"	10'-3"	20'-8"
16-V45(E)	11'-7"	3'-3"	7'-7"	7'-3"	14'-10"
8-V46(E)	7'-4"	3'-3"	5'-3"	5'-2"	10'-7"

DESIGNED	SRT
CHECKED	JJI
DRAWN	MD
CHECKED	JJI

Bollinger, Lach & Associates, Inc.

SOUTHWEST 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

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