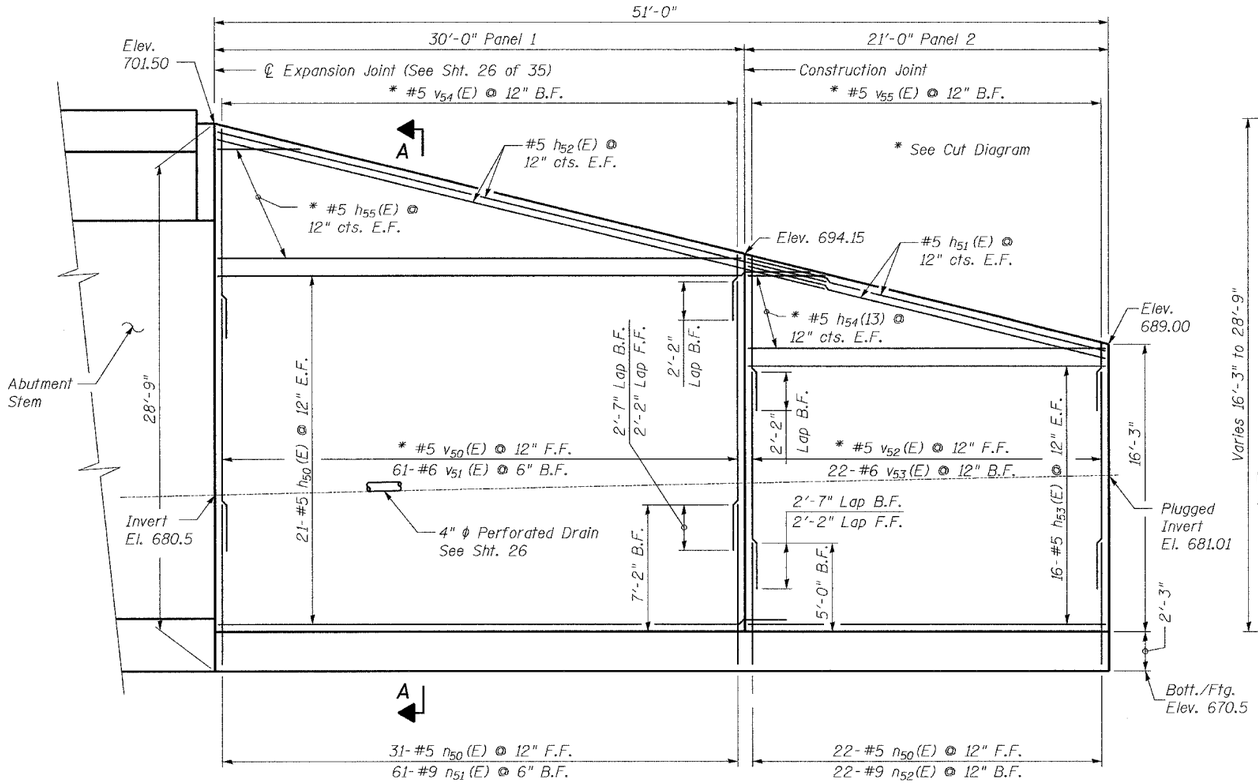
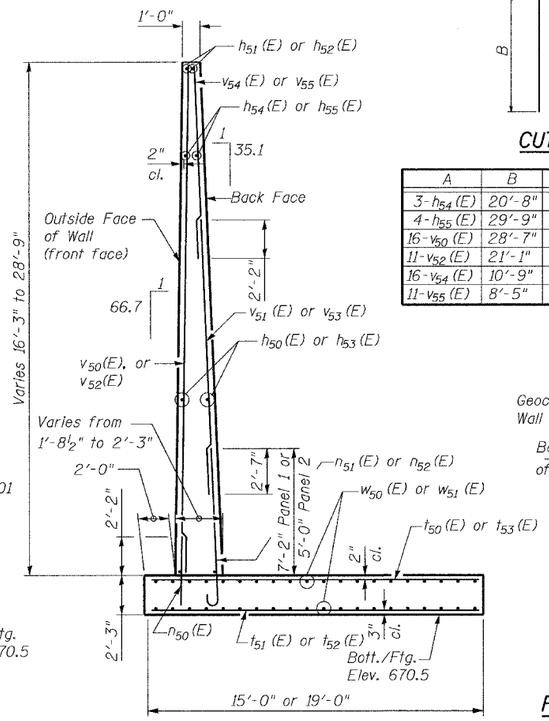
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 3578	1327 B	COOK	108	56
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

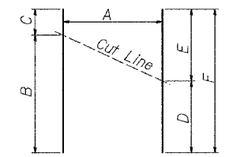
SHEET NO. 28
35 SHEETS



SOUTHEAST WINGWALL ELEVATION

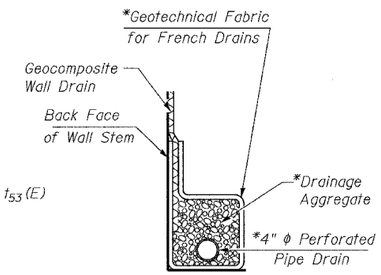


SECTION A-A



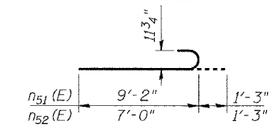
CUT DIAGRAM

A	B	C	D	E	F
3-h_{54}(E)	20'-8"	2'-2"	12'-11"	9'-11"	22'-10"
4-h_{55}(E)	29'-9"	2'-2"	17'-9"	14'-2"	31'-11"
16-v_{50}(E)	28'-7"	21'-3"	25'-0"	24'-10"	49'-10"
11-v_{52}(E)	21'-1"	16'-0"	18'-8"	18'-5"	37'-1"
16-v_{54}(E)	10'-9"	3'-3"	7'-2"	6'-10"	14'-0"
11-v_{55}(E)	8'-5"	3'-3"	6'-0"	5'-8"	11'-8"



*Included in the cost of "Pipe Underdrains for Structures, 4 in."

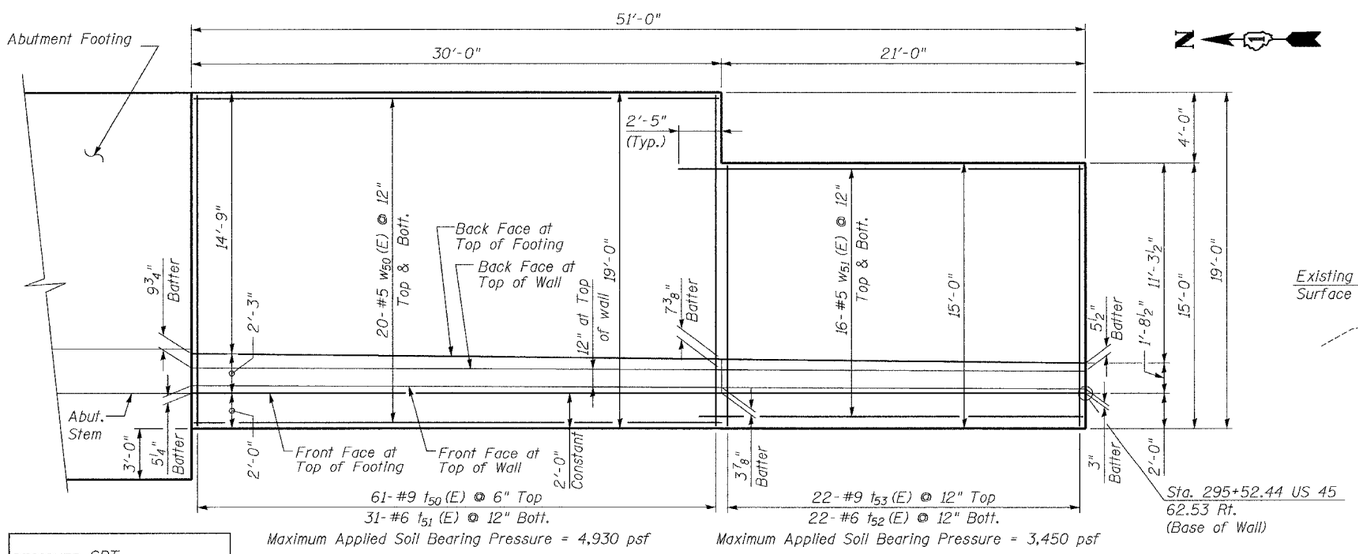
PIPE UNDERDRAIN DETAIL



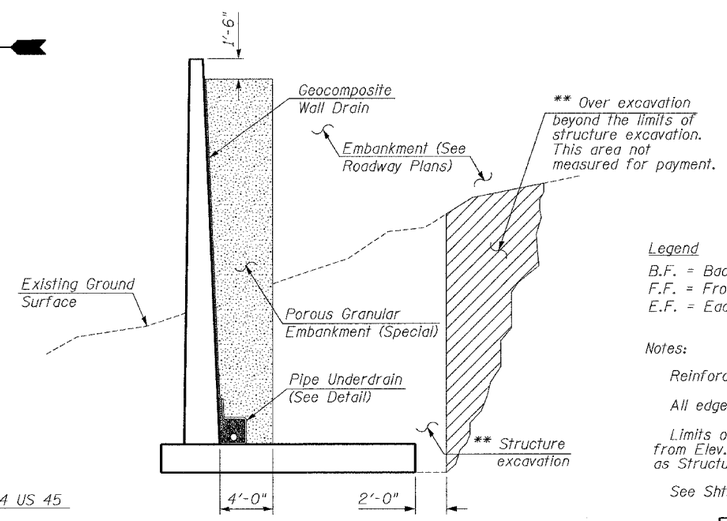
BAR n_{51}(E), n_{52}(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h_{50}(E)	42	#5	32'-3"	
h_{51}(E)	4	#5	21'-4"	
h_{52}(E)	4	#5	30'-1"	
h_{53}(E)	32	#5	20'-8"	
h_{54}(E)	6	#5	22'-10"	
h_{55}(E)	8	#5	31'-11"	
n_{50}(E)	53	#5	4'-2"	
n_{51}(E)	61	#9	10'-5"	
n_{52}(E)	22	#9	8'-3"	
t_{50}(E)	61	#9	18'-9"	
t_{51}(E)	31	#6	18'-9"	
t_{52}(E)	22	#6	14'-9"	
t_{53}(E)	22	#9	14'-9"	
v_{50}(E)	16	#5	49'-10"	
v_{51}(E)	61	#6	15'-5"	
v_{52}(E)	11	#5	37'-1"	
v_{53}(E)	22	#6	12'-6"	
v_{54}(E)	16	#5	14'-0"	
v_{55}(E)	11	#5	11'-8"	
w_{50}(E)	40	#5	29'-9"	
w_{51}(E)	32	#5	23'-3"	
Concrete Structures			Cu. Yd.	142.3
Reinforcement Bars, Epoxy Coated			Pound	17,170
Structure Excavation			Cu. Yd.	733
Pipe Underdrains for Structures 4"			Foot	51
Geocomposite Wall Drain			Sq. Yd.	117
Removal and Disposal of Unsuitable Material			Cu. Yd.	119
Porous Granular Embankment (Special)			Cu. Yd.	155



SOUTHEAST WINGWALL FOOTING PLAN



SOUTH WINGWALLS EXCAVATION AND BACKFILL DETAIL

**Backfill remainder of structure excavation and over excavation with same material specified for roadway embankment.

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 ¾" chamfer except as noted.

Limits of Removal and Disposal of Unsuitable Material are from Elev. 670.5 to 673.5, horizontal limits are the same as Structural Excavation.

See Sht. 27 of 35 for Wall Construction Joint.

DESIGNED	SRT
CHECKED	JJI
DRAWN	MD
CHECKED	JJI

Bollinger, Lach & Associates, Inc.

SOUTHEAST 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