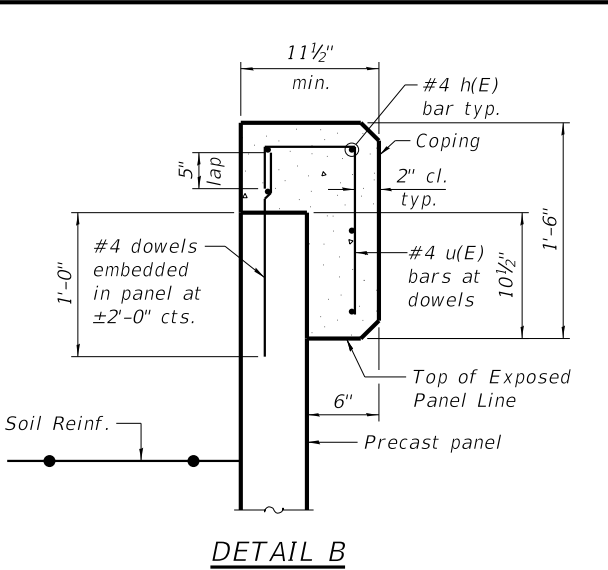
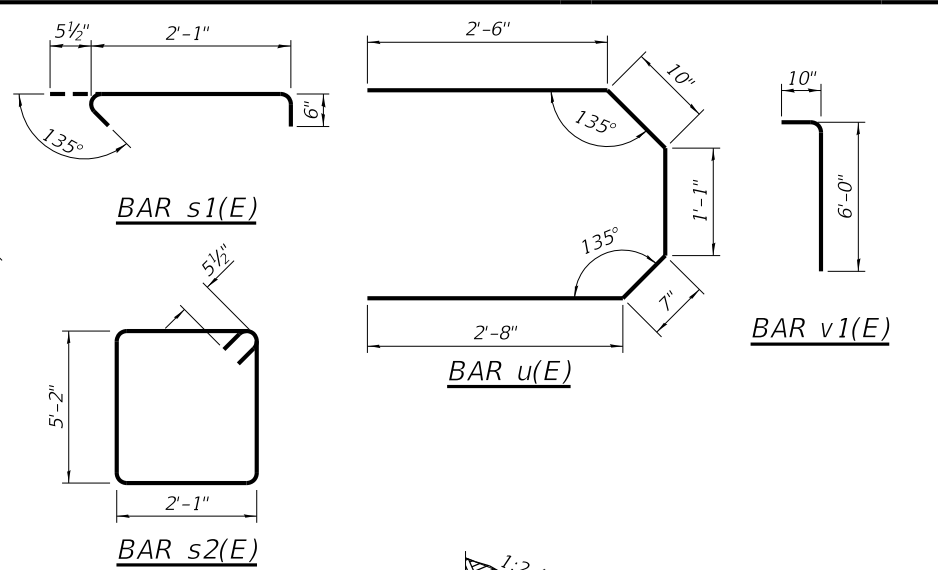
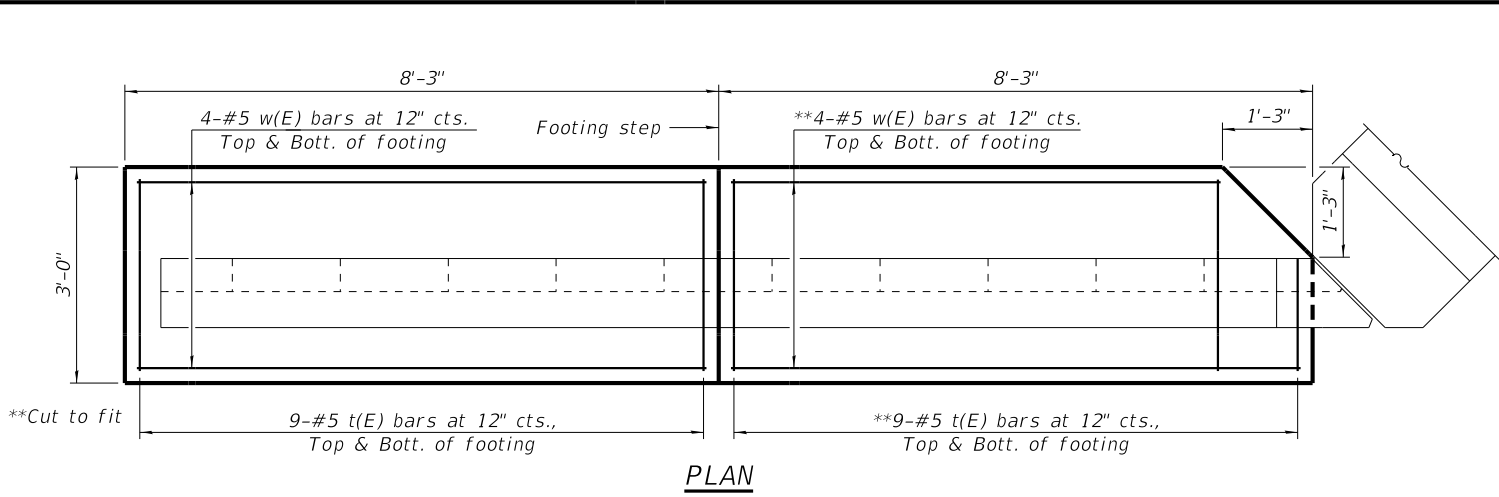
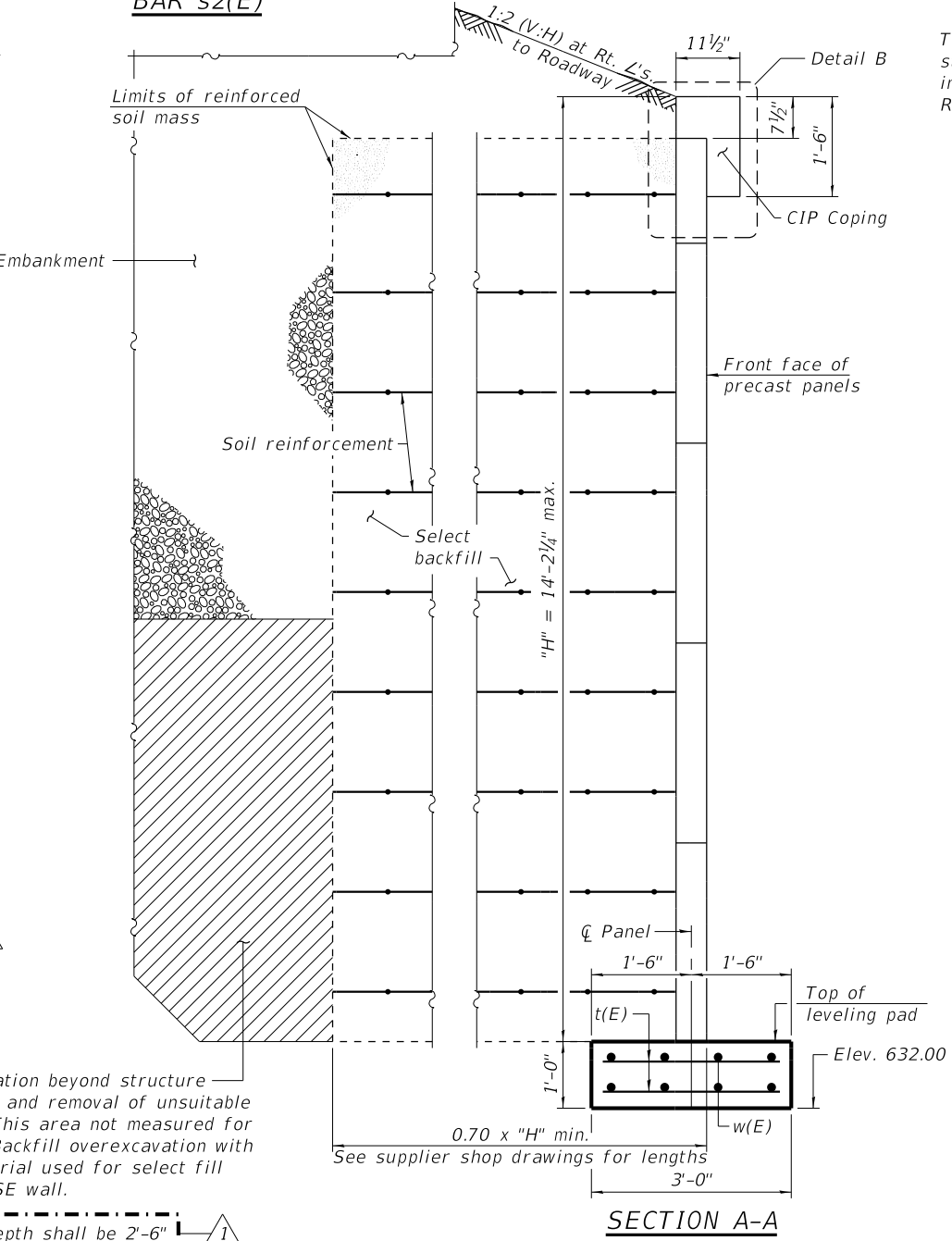
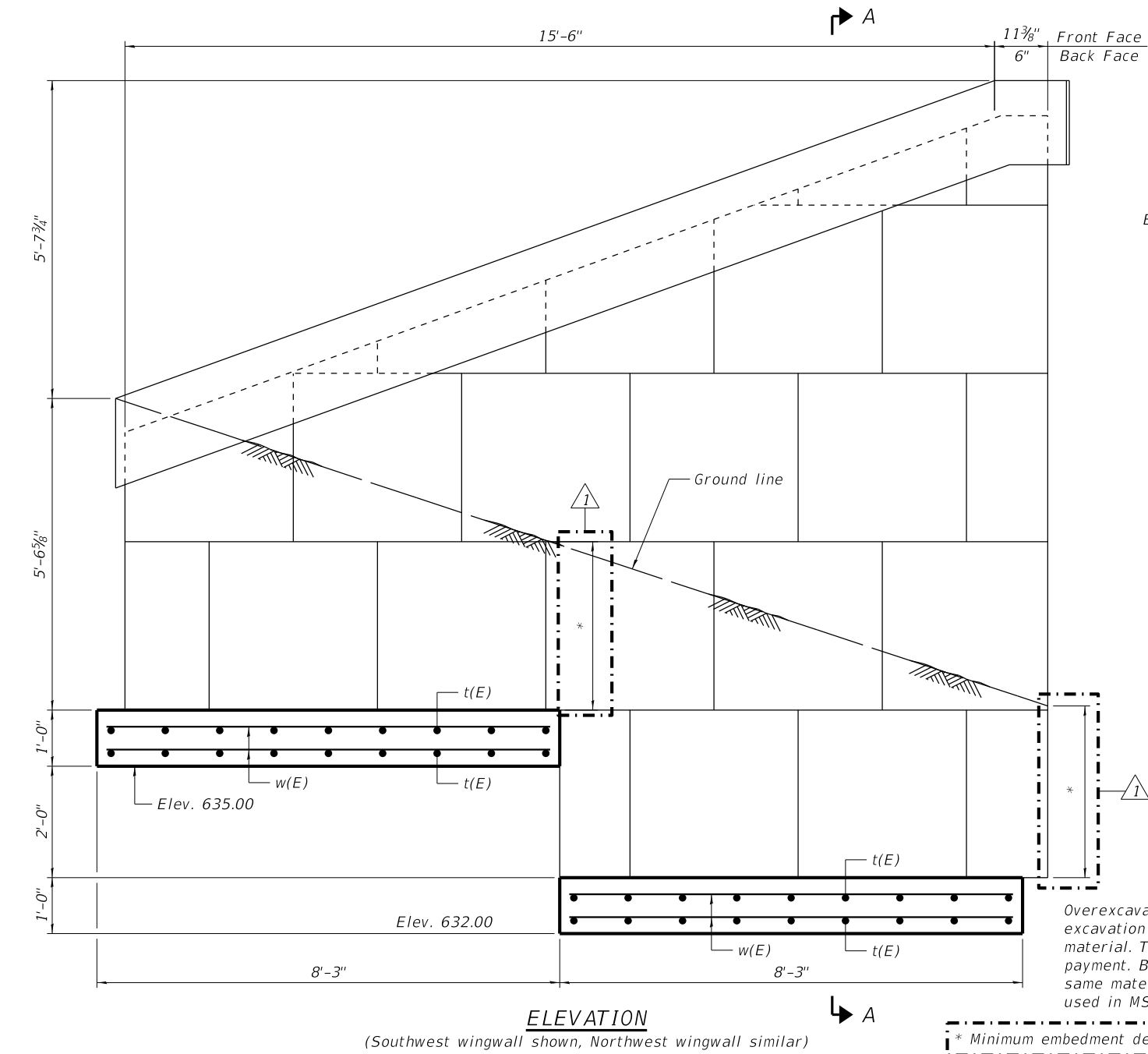




The cost of the concrete and the reinforcing steel required for the coping shall be included in the cost of Mechanically Stabilized Earth Retaining Wall.



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
p(E)	28	#7	38'-4"	
s1(E)	24	#5	3'-1"	
s2(E)	34	#6	15'-5"	
* sp(E)	6	#4	2'-0"	
t(E)	72	#5	2'-8"	
u(E)	26	#5	7'-8"	
v(E)	14	#7	14'-11"	
v1(E)	76	#5	6'-10"	
v2(E)	76	#7	10'-10"	
w(E)	32	#5	7'-11"	
Structure Excavation			Cu. Yd.	293
Concrete Structures			Cu. Yd.	23.5
Concrete Encasement			Cu. Yd.	24.8
Reinforcement Bars, Epoxy Coated			Pound	6,580
Bar Splicers			Each	38
Furnishing Metal Shell Piles 12" x 0.25"			Foot	325
Driving Piles			Foot	325
Test Pile Metal Shell			Each	1
Mechanically Stabilized Earth Retaining Wall			Sq. Ft.	325
Granular Backfill for Structures			Cu. Yds	136
Geocomposite Wall Drain			Sq. Yd.	55

*Length is height of spiral.

NOTES:
For details of piles see sheet 16 of 25.
For drainage layout, see sheet 3 of 25.
All exposed edges shall have 3/4" chamfers, except as noted.
Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.

REVISION	DATE	BY	REMARKS
1	10-15-2025	EEL	MSE WALL EMBEDMENT

DESIGNED	BKC
DRAWN	FDL
REVIEWED	EEL
APPROVED	BKC

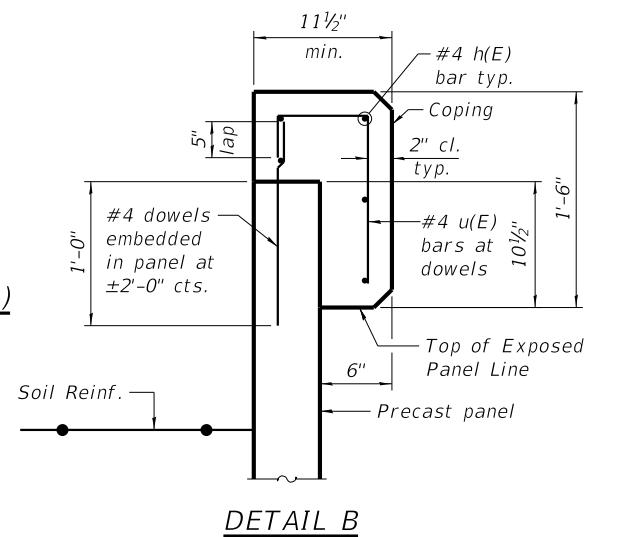
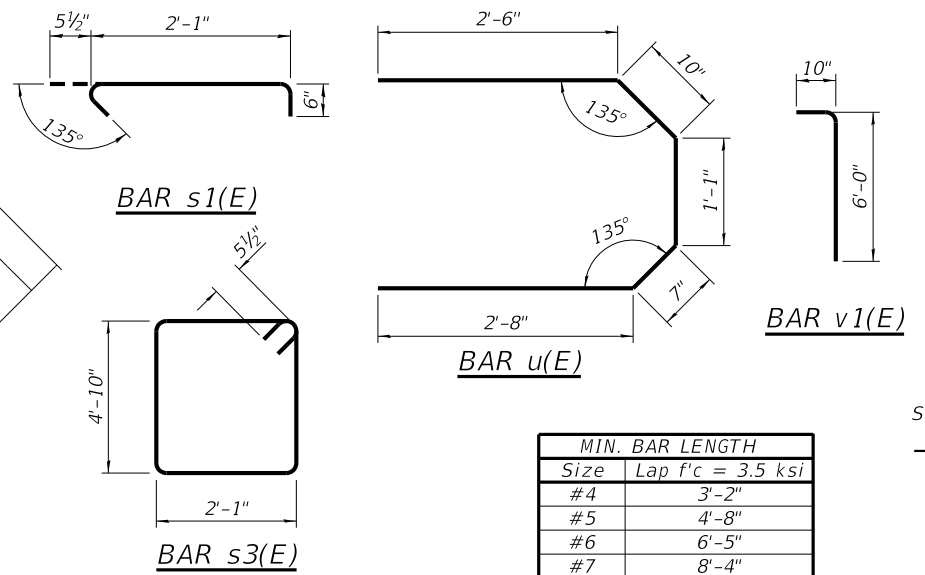
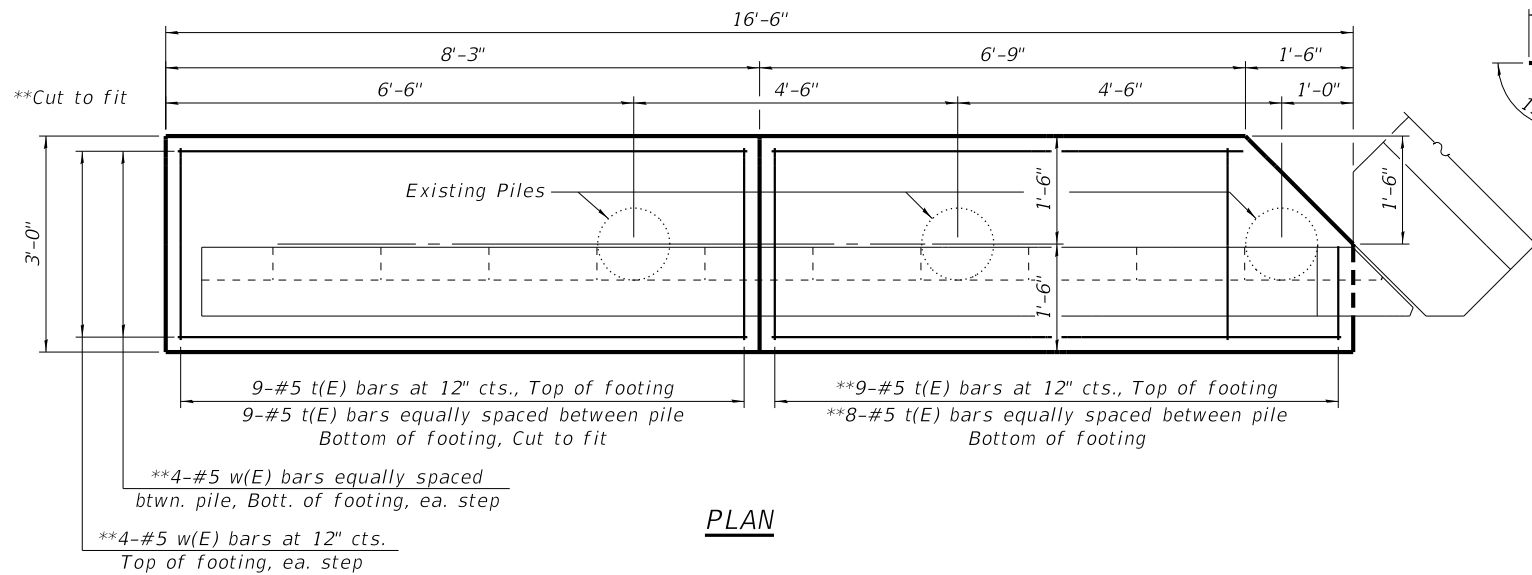
WHITESIDE COUNTY
F.A.U. 5563 (E. ELEVENTH ST.) OVER
ILLINOIS-MISSISSIPPI FEEDER CANAL. STATION 20+00



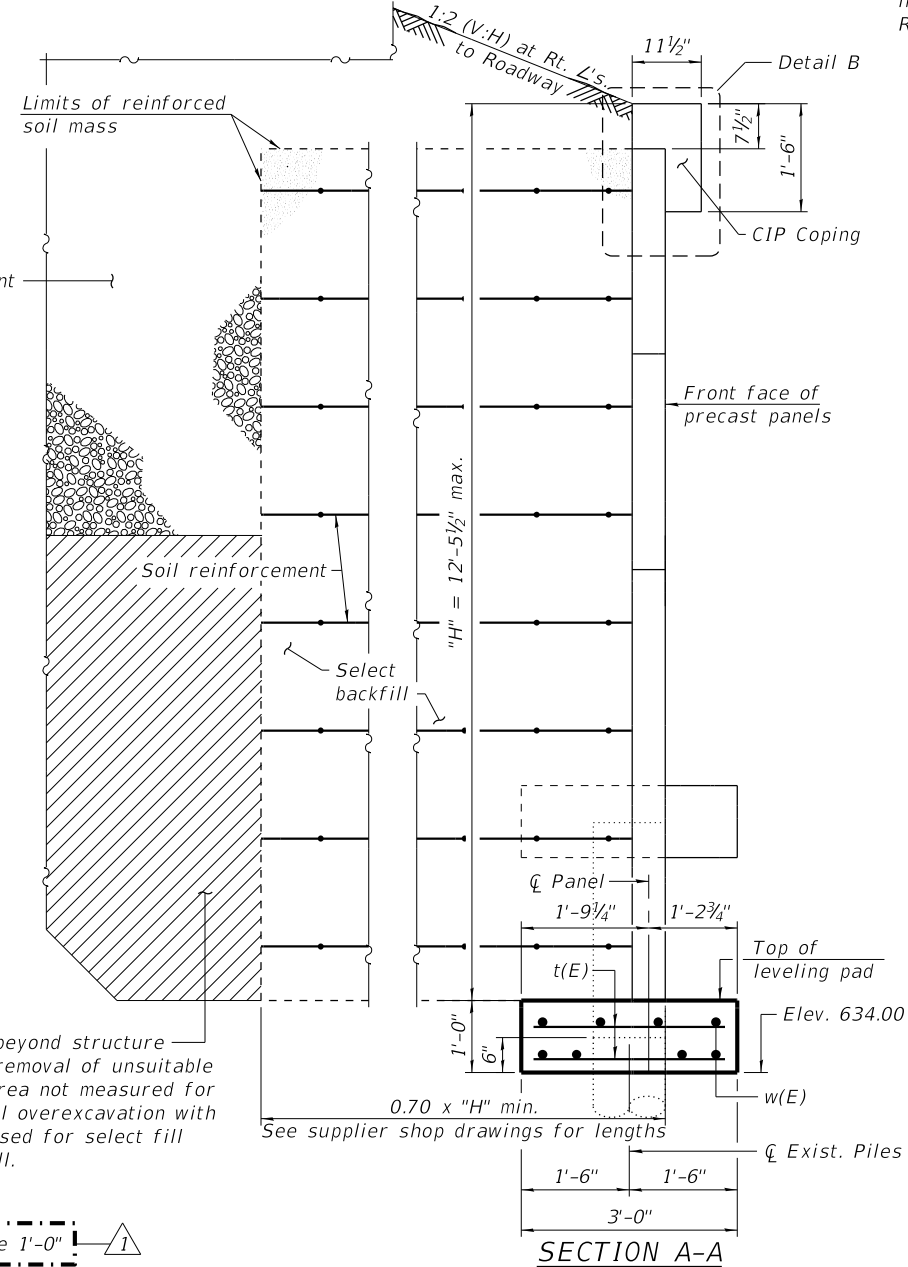
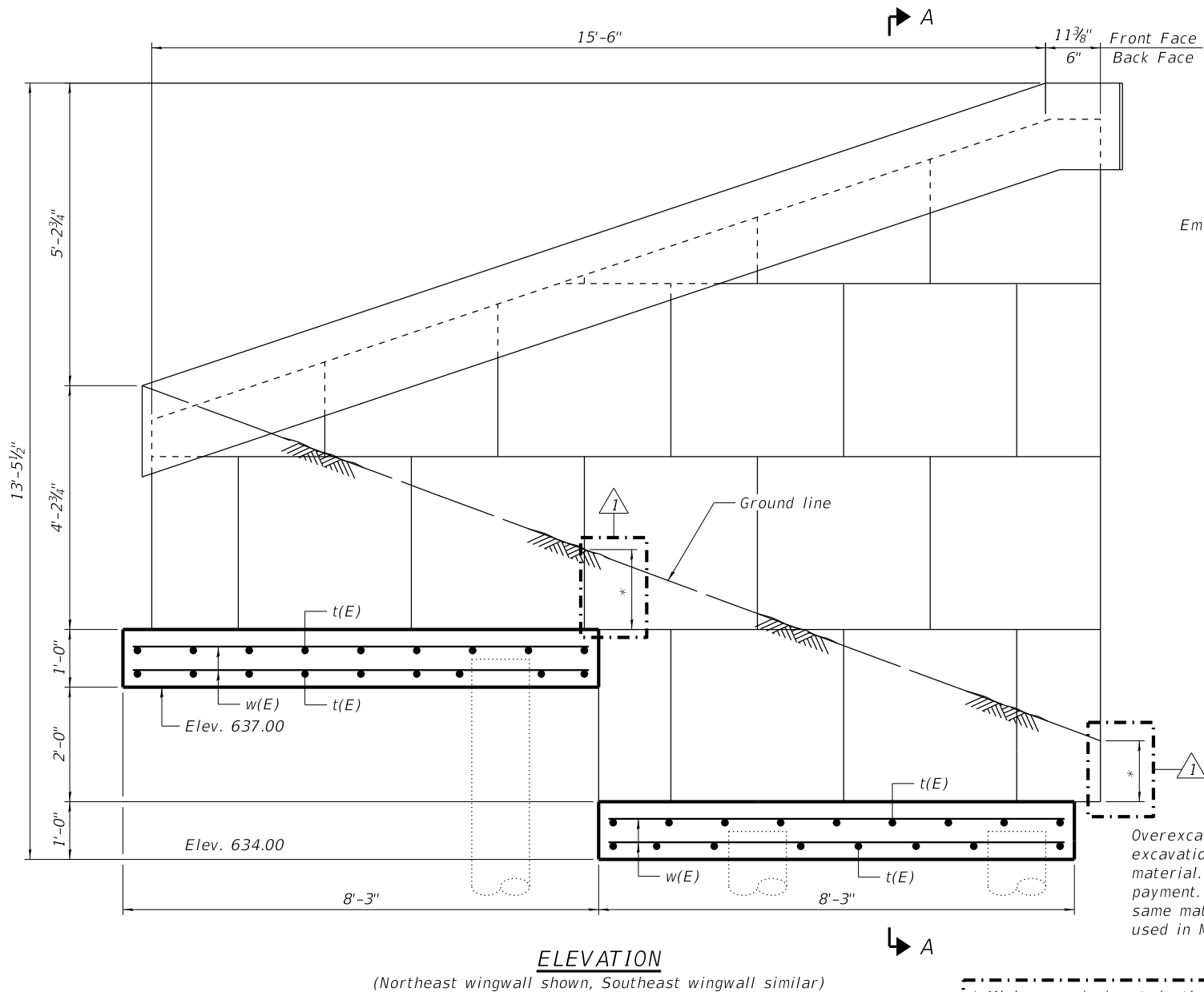
WEST ABUTMENT DETAILS
STRUCTURE NO. 098-6010

STRUCTURAL SHEET NO. 12 of 25 SHEETS

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5563	19-00137-00-BR	WHITESIDE	60	30
WHA# 1286J24		CONTRACT 85779		
ILLINOIS				



The cost of the concrete and the reinforcing steel required for the coping shall be included in the cost of Mechanically Stabilized Earth Retaining Wall.



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
p(E)	26	#7	38'-4"	
s1(E)	20	#5	3'-1"	
s3(E)	38	#6	14'-9"	
* sp(E)	5	#4	2'-0"	
t(E)	70	#5	2'-8"	
u(E)	22	#5	7'-8"	
v1(E)	76	#5	6'-10"	
v3(E)	76	#7	9'-6"	
v4(E)	14	#7	13'-2"	
w(E)	32	#5	7'-11"	
Structure Excavation				Cu. Yd. 143
Concrete Structures				Cu. Yd. 22.2
Concrete Encasement				Cu. Yd. 20.1
Reinforcement Bars, Epoxy Coated				Pound 6,140
Bar Splicers				Each 38
Furnishing Metal Shell Piles 12" x 0.25"				Foot 256
Driving Piles				Foot 256
Test Pile Metal Shell				Each 1
Mechanically Stabilized Earth Retaining Wall				Sq. Ft. 290
Granular Backfill for Structures				Cu. Yds. 98
Geocomposite Wall Drain				Sq. Yd. 47

*Length is height of spiral.

NOTES:

For details of piles see sheet 19 of 25.
For drainage layout, see sheet 3 of 25.
All exposed edges shall have 3/4" chamfers, except as noted.
Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.

REVISION	DATE	BY	REMARKS
1	10-15-2025	EEL	MSE WALL EMBEDMENT

DESIGNED	BKC
DRAWN	FDL
REVIEWED	EEL
APPROVED	BKC

WHITESIDE COUNTY
F.A.U. 5563 (E. ELEVENTH ST.) OVER
ILLINOIS-MISSISSIPPI FEEDER CANAL. STATION 20+00

WILLET HOFMANN & ASSOCIATES INC.
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

EAST ABUTMENT DETAILS
STRUCTURE NO. 098-6010

STRUCTURAL SHEET NO. 14 OF 25 SHEETS

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5563	19-00137-00-BR	WHITESIDE	60	32
WHA# 1286J24		CONTRACT 85779		
ILLINOIS				