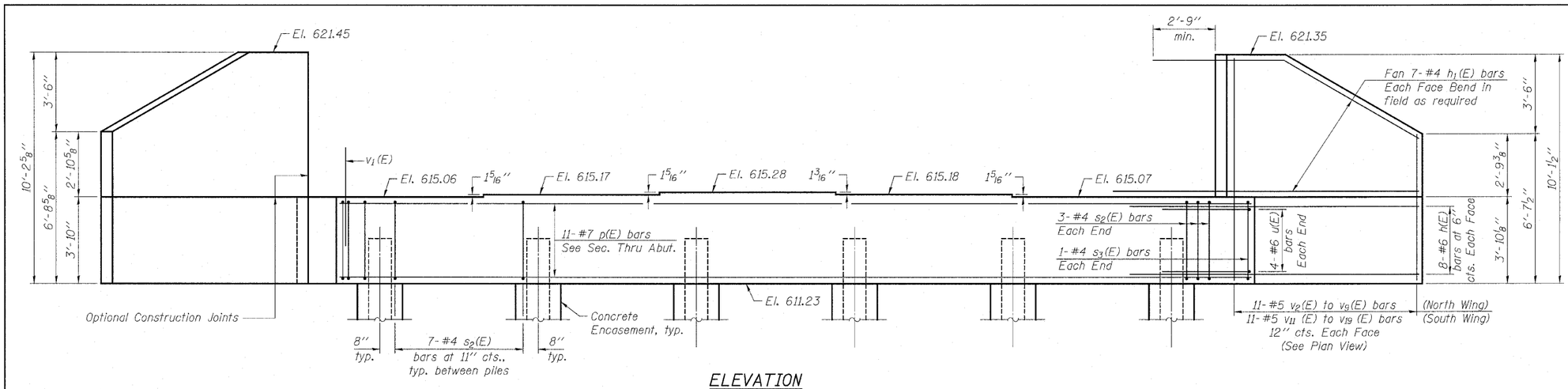
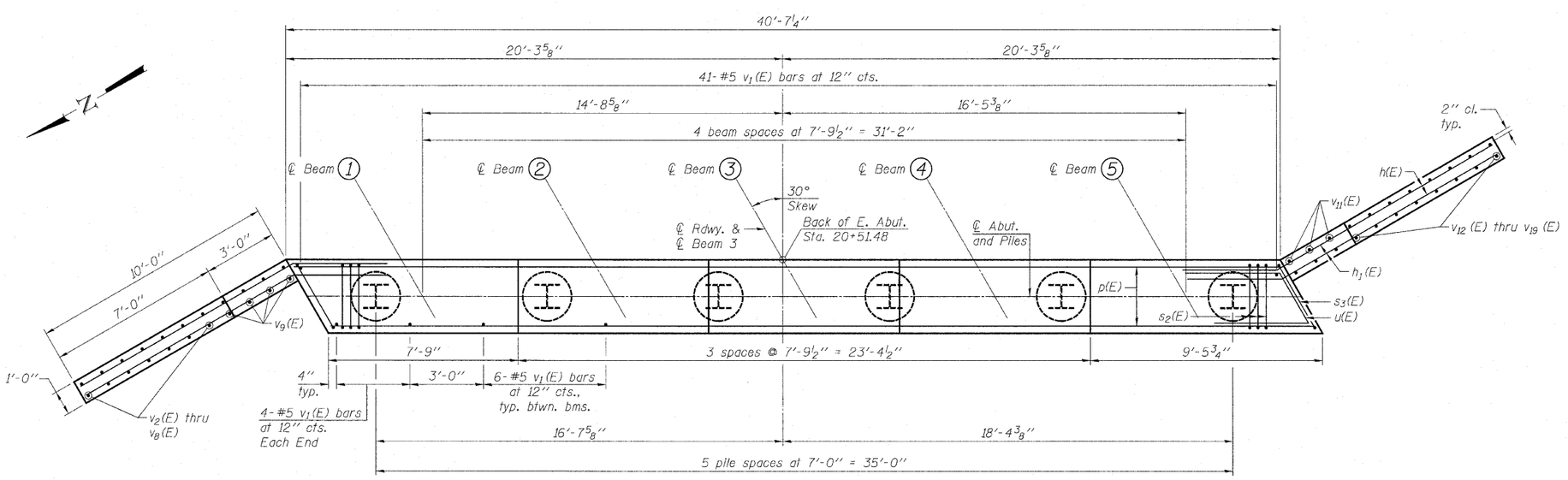


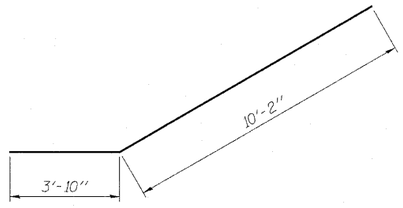
ELEVATION
(Looking East)



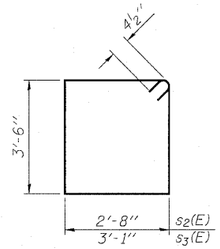
PLAN

PILE DATA

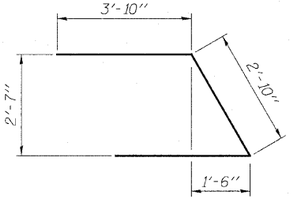
Type:	Steel HP12x63
Nominal Required Bearing:	440 k
Factored Resistance Available:	242 k
Est. Length:	13'
No. Production Piles:	5
No. Test Piles:	1



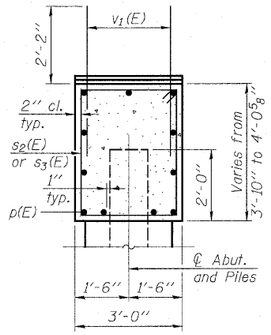
BAR h(E)



BARS s2(E) & s3(E)



BAR u(E)



SEC. THRU ABUT.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	32	#6	14'-0"	
h_1(E)	28	#4	13'-6"	
p(E)	11	#7	40'-3"	
s_2(E)	41	#4	13'-1"	
s_3(E)	2	#4	13'-11"	
u(E)	8	#6	10'-6"	
v_1(E)	73	#5	4'-4"	
v_2(E)	2	#5	6'-5"	
v_3(E)	2	#5	6'-11"	
v_4(E)	2	#5	7'-5"	
v_5(E)	2	#5	7'-11"	
v_6(E)	2	#5	8'-4"	
v_7(E)	2	#5	8'-10"	
v_8(E)	2	#5	9'-4"	
v_9(E)	8	#5	9'-10"	
v_{11} (E)	6	#5	9'-9"	
v_{12} (E)	2	#5	9'-8"	
v_{13} (E)	2	#5	9'-3"	
v_{14} (E)	2	#5	8'-9"	
v_{15} (E)	2	#5	8'-3"	
v_{16} (E)	2	#5	7'-9"	
v_{17} (E)	2	#5	7'-3"	
v_{18} (E)	2	#5	6'-10"	
v_{19} (E)	2	#5	6'-4"	
Porous Granular Embankment, Special		Cu. Yd.	131	
Structure Excavation		Cu. Yd.	306	
Concrete Structures		Cu. Yd.	24.3	
Concrete Encasement		Cu. Yd.	2.1	
Reinforcement Bars, Epoxy Coated		Pound	3,060	
Furnishing Steel Piles HP12x63		Foot	65	
Driving Piles		Foot	65	
Test Pile Steel HP12x63		Each	1	
Geocomposite Wall Drain		Sq. Yd.	65	
Concrete Headwall for Pipe Drains		Each	2	
Pipe Underdrains for Structures 4"		Foot	104	

NOTES:

For details of Bar Splicers, see Structural Sheet 17 of 18.

For details of Piles and Concrete Encasement, see Structural Sheet 16 of 18.

Pour steps monolithically with cap.

All exposed edges shall have standard ¾" chamfers, except as noted.

EAST ABUTMENT DETAILS
C.H. 33 OVER TOMAHAWK CREEK
F.A.S. RTE. 1365 - SEC. 10-00650-00-BR
LASALLE COUNTY
STATION 20+00
S.N. 050-3594
WHA # 1155D08

STRUCTURAL SHEET NO. 15 OF 18 SHEETS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1365	10-00650-00-BR	LASALLE	39	28
			CONTRACT NO. 87448		
	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT BRS-1365(113)		

FILE NAME = a:\Struct\ 1155D08 CH33 Lasalle County\ Drawings\ 1155 EastAbut.dgn