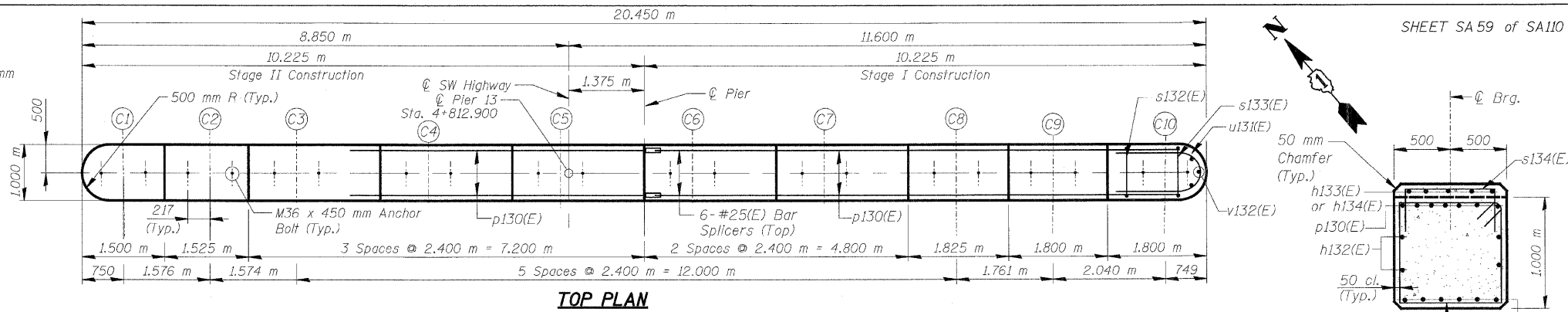


NOTES:

Space Reinforcement in cap to miss anchor bolts.
All edges shall have standard 20 mm chamfer except as noted.
Four steps monolithically with cap.

TYP. LAP SPLICE	
BAR SIZE	MIN. LAP
#15	890 mm
#20	1,110 m
#25	1,850 m



SECTION A-A

SECTION B-B

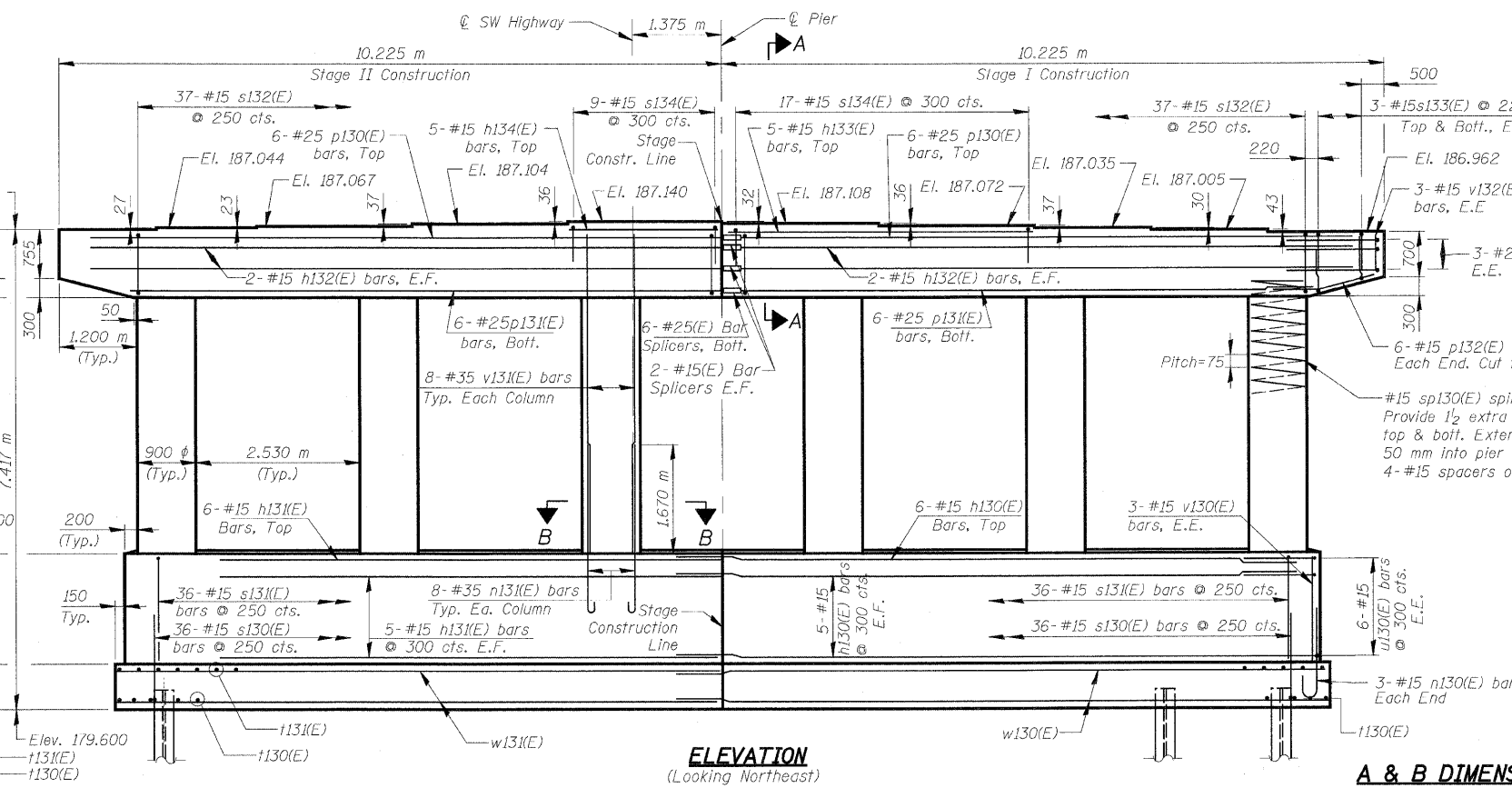
BILL OF MATERIAL

Bar	No.	Size	Length (m)	Shape
h130(E)	16	# 15	9.670	—
h131(E)	16	# 15	8.680	—
h132(E)	8	# 15	9.680	—
h133(E)	5	# 15	4.700	—
h134(E)	5	# 15	2.300	—
n130(E)	6	# 15	1.480	—
n131(E)	48	# 35	3.050	—
p130(E)	12	# 25	9.680	—
p131(E)	12	# 25	9.030	—
p132(E)	12	# 15	1.830	—
s130(E)	72	# 15	3.500	—
s131(E)	72	# 15	4.200	—
s132(E)	74	# 15	3.880	—
s133(E)	12	# 15	2.400	—
s134(E)	26	# 15	1.800	—
sp130(E)	6	# 15	* 4.010	—
t130(E)	78	# 25	2.500	—
t131(E)	76	# 15	2.500	—
u130(E)	12	# 15	3.150	—
u131(E)	6	# 20	3.590	—
v130(E)	6	# 15	1.650	—
v131(E)	48	# 35	4.760	—
v132(E)	6	# 15	0.600	—
w130(E)	20	# 15	10.270	—
w131(E)	20	# 15	9.280	—
Structure Excavation		m ³	118	
Concrete Structures		m ³	102.6	
Reinforcement Bars, Epoxy Coated		kg	8,950	
Bar Splicers		Each	16	
Furnishing Steel Piles HP310x79		m	247.0	
Driving Piles		m	247.0	
Pile Shoes		Each	20	
Test Pile Steel HP310x79		Each	1	

END VIEW

PILE DATA

Type: Steel HP 12x53 with pile shoes
Nominal Required Bearing: 1860 kN
Allowable Resistance Available: 620 kN
Est. Length: 13.0 m
No. Production Piles: 19
No. Test Piles: 1



A & B DIMENSIONS

Bar	A	B
s130(E)	900	1,300 m
s131(E)	900	1,650 m
s133(E)	900	750
s134(E)	900	450

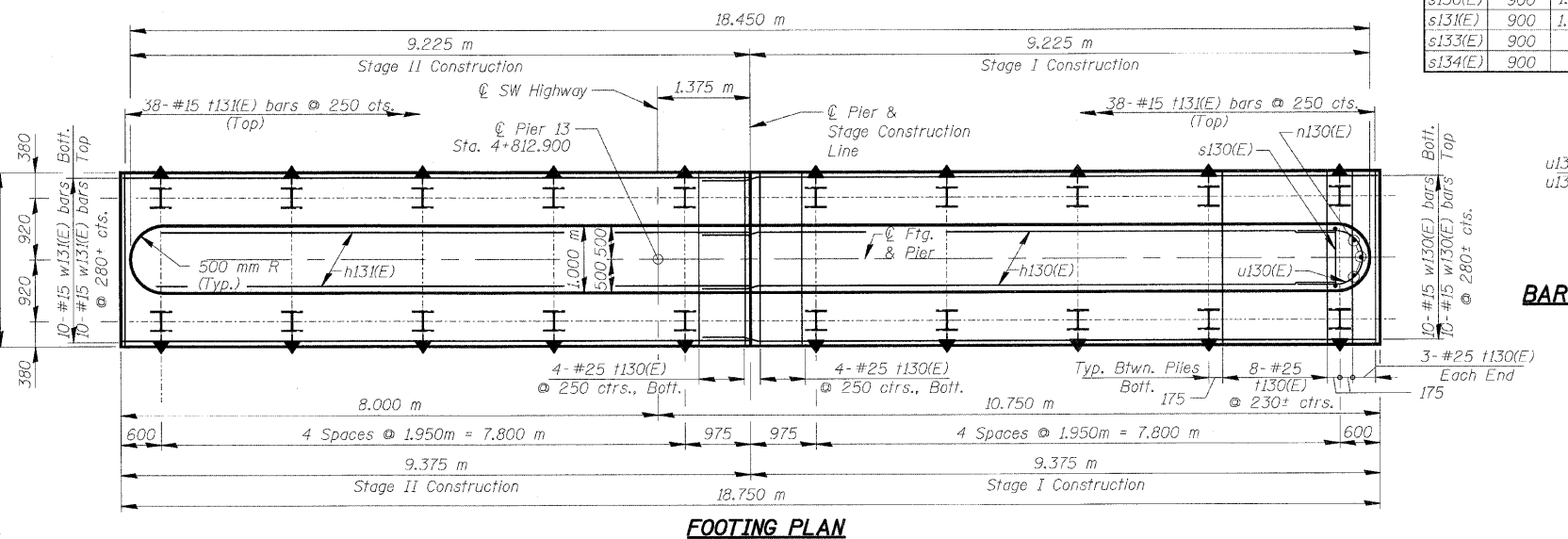
BAR n130(E) or n131(E)

BAR p132(E)

BARS s130(E), s131(E), s133(E) & s134(E)

BAR s132(E)

BAR u130(E) & u131(E)



NOTES:

- Reinforcement bars designated (E) shall be Epoxy Coated.
- Bars indicated thus 20 x 3 - #15 etc. indicates 20 lines of bars with 3 lengths per line.
- All dimensions are in millimeters (mm) except as noted.
- Minimum lap for spirals 770 mm.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PIER 13

SOUTHWEST HIGHWAY OVER B&O RAILROAD AND STONY CREEK

FAU 3578 SECTION 15V B-1-R-1

STRUCTURE NUMBER 016-2771

COOK COUNTY STATION 4+716.497

SCALE: NONE DRAWN BY: E. Mroozek

DATE: 6/17/09 CHECKED BY: G. Hatlestad



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 kkooper(Rdwy-Lisle)