

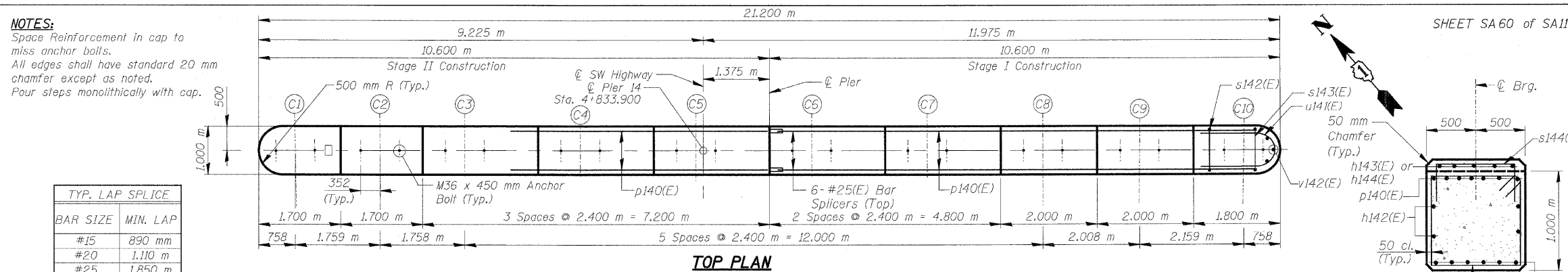
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3578	15V B-1-R-1	COOK	243	155
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 62388				

NOTES:

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

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

NOTE: Use a min. lap splice of 640 for w140(E) & w141(E) bars



TOP PLAN

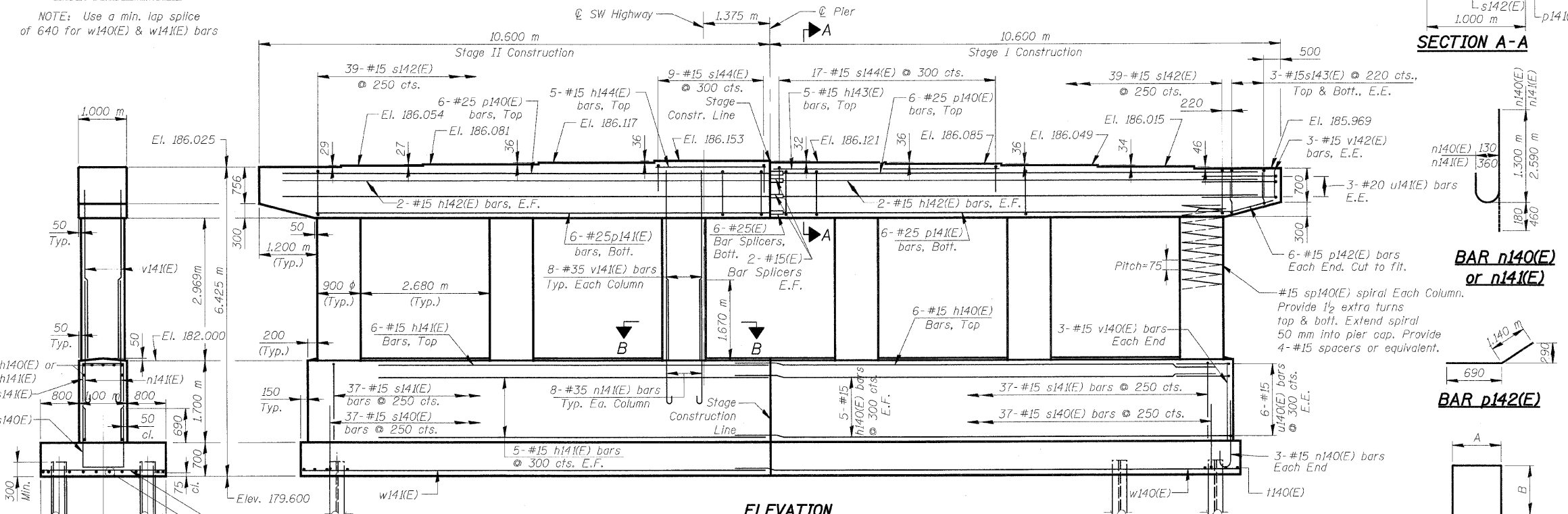
SECTION A-A

SECTION B-B

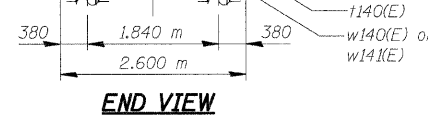
BILL OF MATERIAL

Bar	No.	Size	Length (m)	Shape
h140(E)	16	#15	10.040	—
h141(E)	16	#15	9.050	—
h142(E)	8	#15	10.050	—
h143(E)	5	#15	4.700	—
h144(E)	5	#15	2.300	—
n140(E)	6	#15	1.480	—
n141(E)	48	#35	3.050	—
p140(E)	12	#25	10.050	—
p141(E)	12	#25	9.400	—
p142(E)	12	#15	1.830	—
s140(E)	74	#15	3.500	—
s141(E)	74	#15	4.200	—
s142(E)	78	#15	3.880	—
s143(E)	12	#15	2.400	—
s144(E)	26	#15	1.800	—
sp140(E)	6	#15	*3,020	—
u140(E)	76	#25	2.500	—
u141(E)	12	#15	3.150	—
u142(E)	6	#20	3.590	—
v140(E)	6	#15	1.650	—
v141(E)	48	#35	3.770	—
v142(E)	6	#15	0.600	—
w140(E)	10	#15	10.390	—
w141(E)	10	#15	9.650	—
Structure Excavation			m ³	120
Concrete Structures			m ³	102.3
Reinforcement Bars, Epoxy Coated			kg	8,020
Bar Splicers			Each	16
Furnishing Steel Piles HP310x79			m	280.0
Driving Piles			m	280.0
Pile Shoes			Each	20

* Height of spiral



ELEVATION
(Looking Northeast)



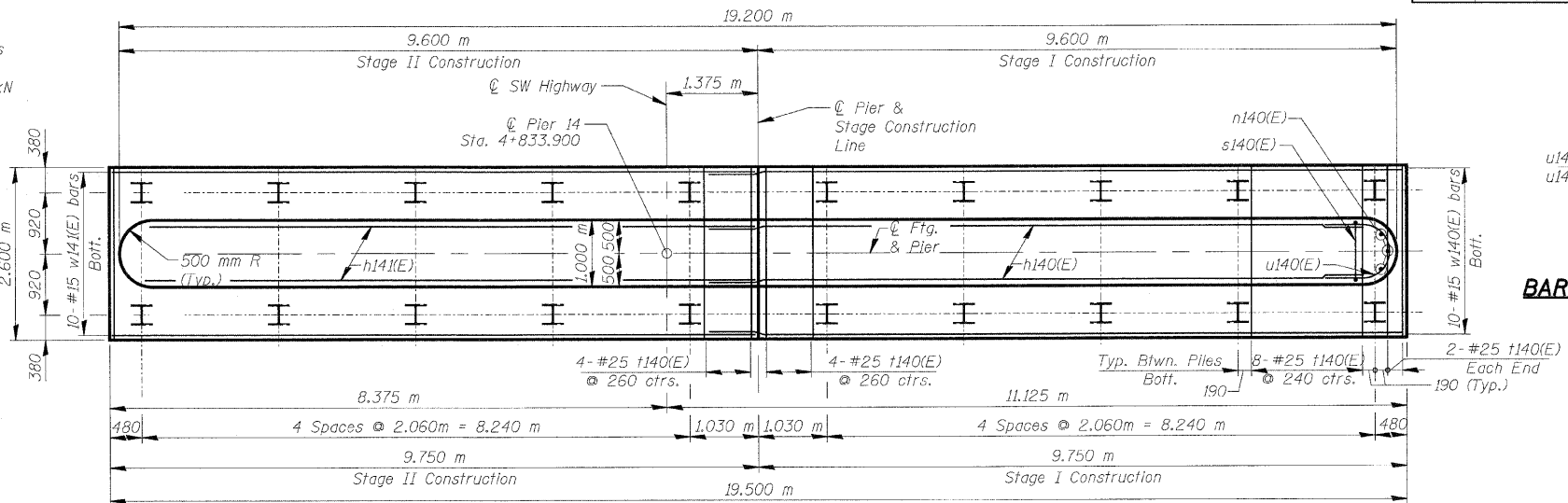
END VIEW

A & B DIMENSIONS

Bar	A	B
s140(E)	900	1,300 m
s141(E)	900	1,650 m
s143(E)	900	750
s144(E)	900	450

PILE DATA

Type: Steel HP 12x53 with pile shoes
 Nominal Required Bearing: 1860 kN
 Allowable Resistance Available: 620 kN
 Est. Length: 14.0 m
 No. Production Piles: 20
 No. Test Piles: None



FOOTING PLAN

REVISIONS

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PIER 14
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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 6/26/2009 8:55:45 AM
 kcooper(Rdwy.L)

