

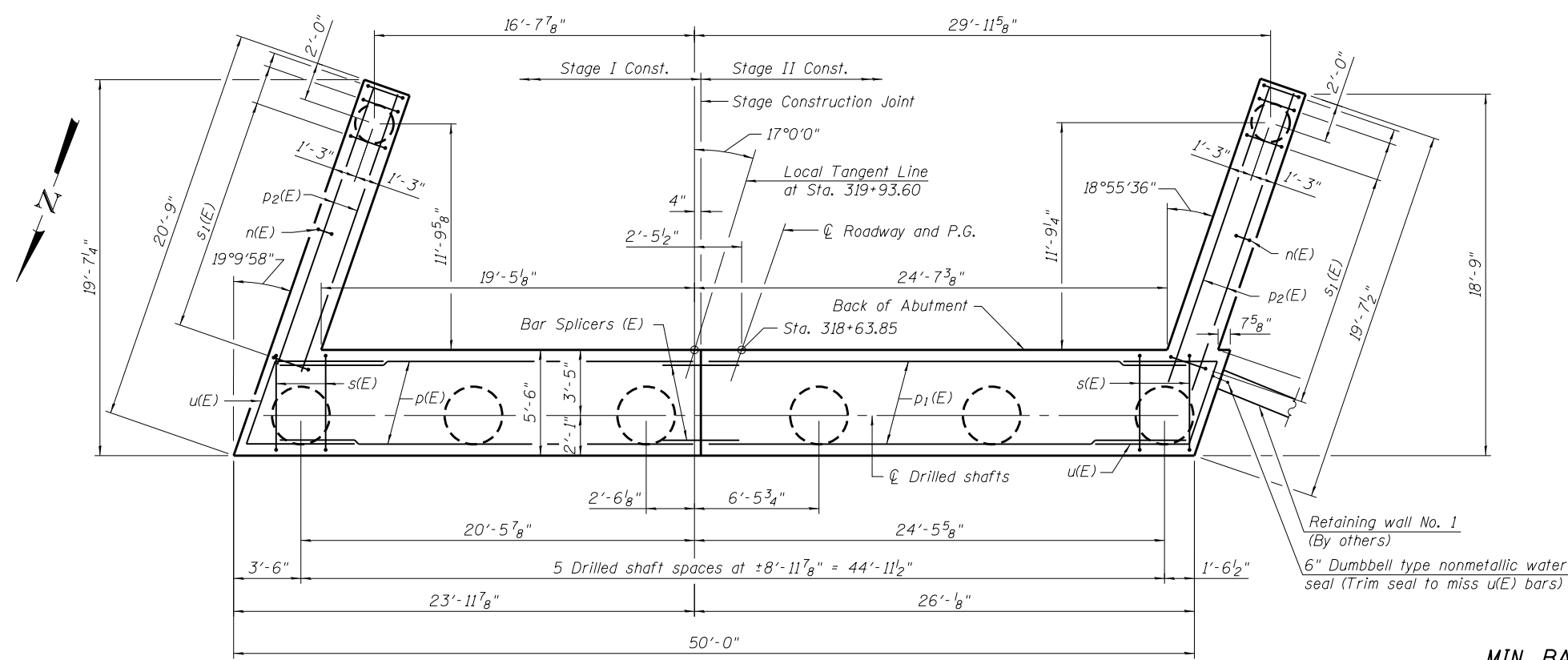
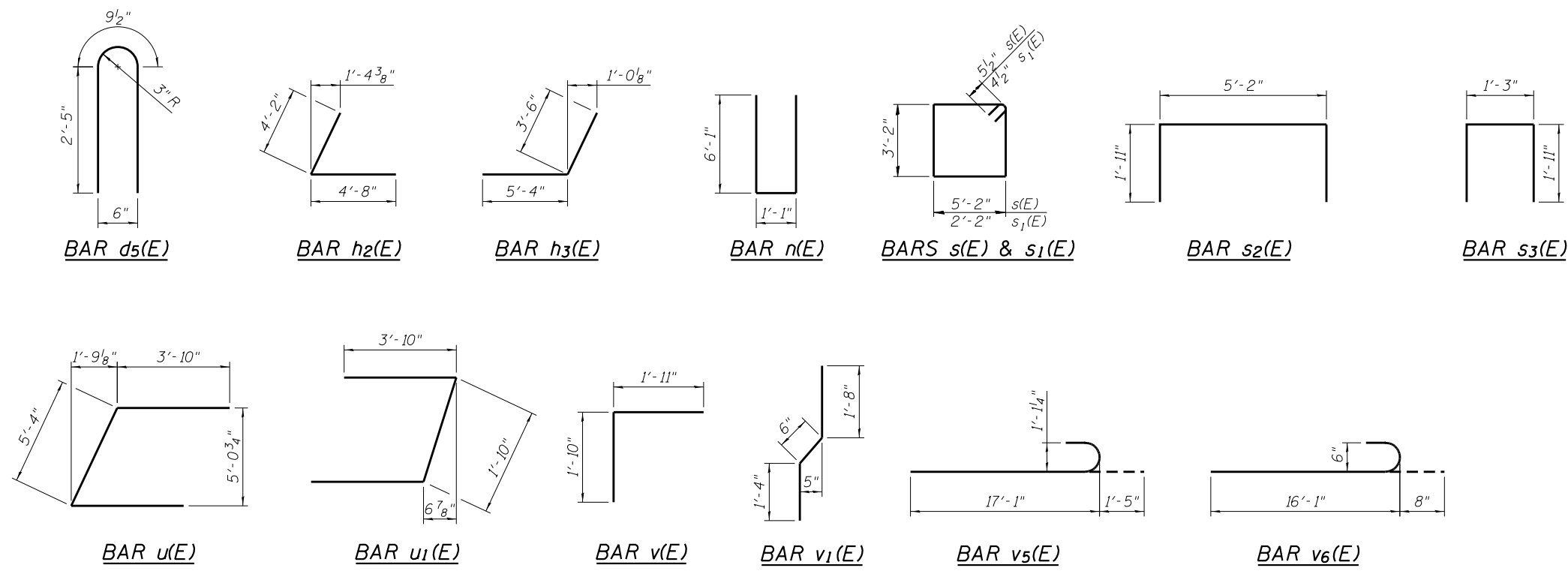
**SOUTH ABUTMENT
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
* d ₃ (E)	52	#5	8'-8"	
d ₅ (E)	38	#5	5'-7½"	
* e ₁₀ (E)	4	#7	16'-4"	
* e ₁₁ (E)	4	#5	16'-4"	
h(E)	12	#5	20'-10"	
h ₁ (E)	12	#5	24'-7"	
h ₂ (E)	18	#5	8'-10"	
h ₃ (E)	18	#5	8'-10"	
h ₄ (E)	7	#6	20'-10"	
h ₅ (E)	7	#6	24'-7"	
h ₆ (E)	5	#5	7'-0"	
h ₇ (E)	5	#5	10'-4"	
h ₈ (E)	32	#4	16'-4"	
h ₉ (E)	10	#5	4'-9"	
n(E)	36	#6	13'-3"	
p(E)	16	#7	23'-11"	
p ₁ (E)	16	#7	27'-2"	
p ₂ (E)	20	#9	18'-7"	
s(E)	49	#5	17'-7"	
s ₁ (E)	36	#4	11'-5"	
s ₂ (E)	19	#5	9'-0"	
s ₃ (E)	12	#5	5'-1"	
** sp	6	#6	14'-8"	
** sp ₁	2	#6	14'-8"	
u(E)	10	#6	13'-0"	
u ₁ (E)	3	#5	9'-6"	
v(E)	47	#5	3'-9"	
v ₁ (E)	47	#6	3'-6"	
v ₂ (E)	94	#6	8'-4"	
v ₃ (E)	2	#6	9'-6"	
v ₄ (E)	72	#6	7'-1"	
v ₅ (E)	48	#10	18'-6"	
v ₆ (E)	14	#6	16'-9"	
Structure Excavation		Cu. Yd.	369	
Concrete Structures		Cu. Yd.	75.6	
Reinforcement Bars		Pound	2,280	
Reinforcement Bars, Epoxy Coated		Pound	13,960	
Drilled Shaft in Soil		Cu. Yd.	8.3	
Drilled Shaft in Rock		Cu. Yd.	12.4	
Granular Backfill for Structures		Cu. Yd.	98	
Concrete Sealer		Sq. Ft.	698	
Geocomposite Wall Drain		Sq. Yd.	45	
Concrete Bridge Railing		Foot	34	

For Drilled Shaft details, see sheet 34 of 60.
For d₃(E) bars, see sheet 20 of 60.

* Bars are for reference only. Cost included with Concrete Bridge Rail.

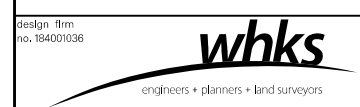
** Length is height of spiral.



PLAN - PILE CAP

MIN. BAR LAP

#5	3'-3"
#6	3'-10"



USER NAME = dheberling	DESIGNED - BRD	REVISED
FILE NAME = 0430028-64E08.dgn	CHECKED - SBC	REVISED
PLOT SCALE = 0:2.00000 '1' / in.	DRAWN - DLH	REVISED
PLOT DATE = 10/2/2013	CHECKED - SBC	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SOUTH ABUTMENT DETAILS
STRUCTURE NO. 043-0080**

SHEET NO. 33 OF 60 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	103BR-4	JoDAVISS	159	83
CONTRACT NO. 64E08				

ILLINOIS FED. AID PROJECT