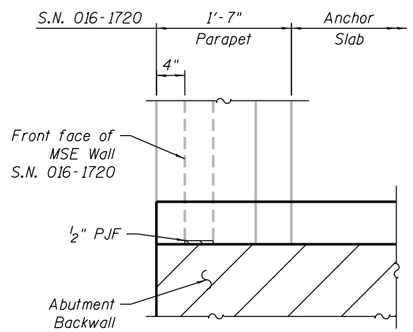
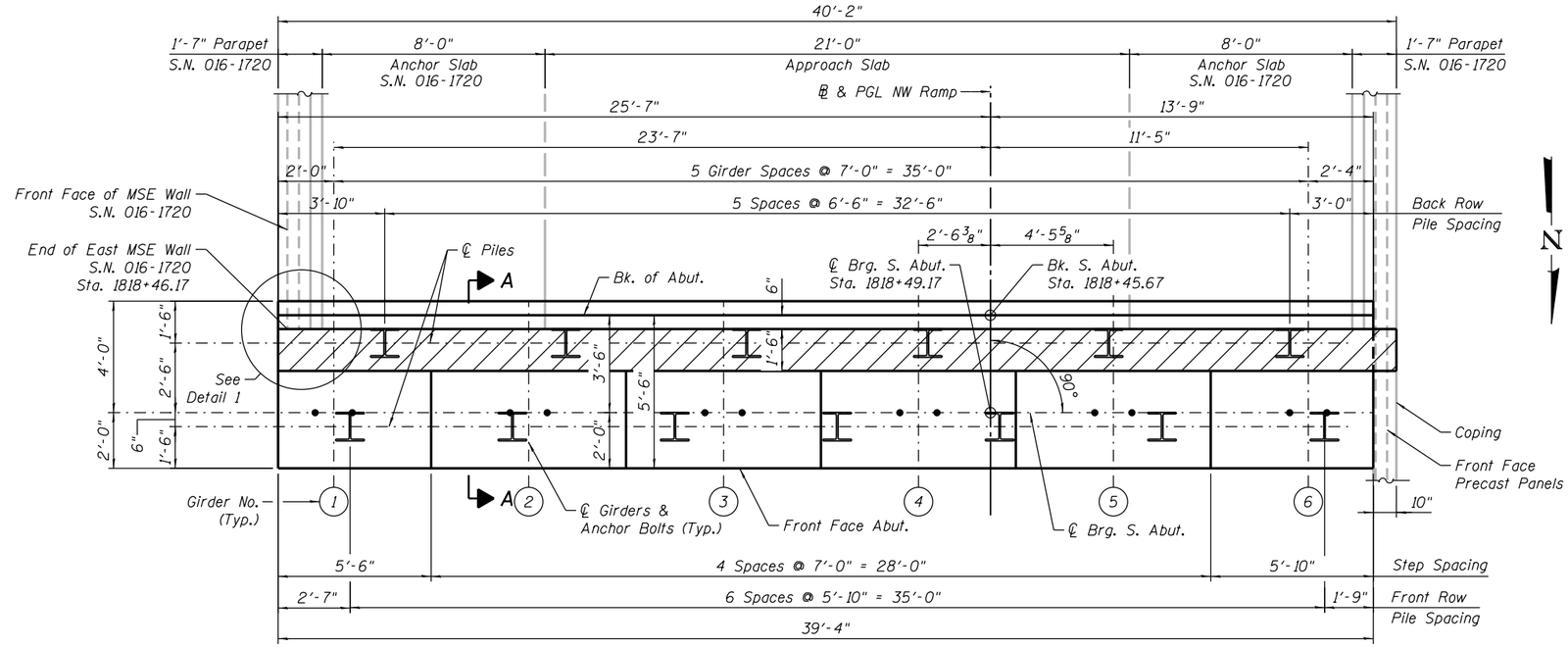


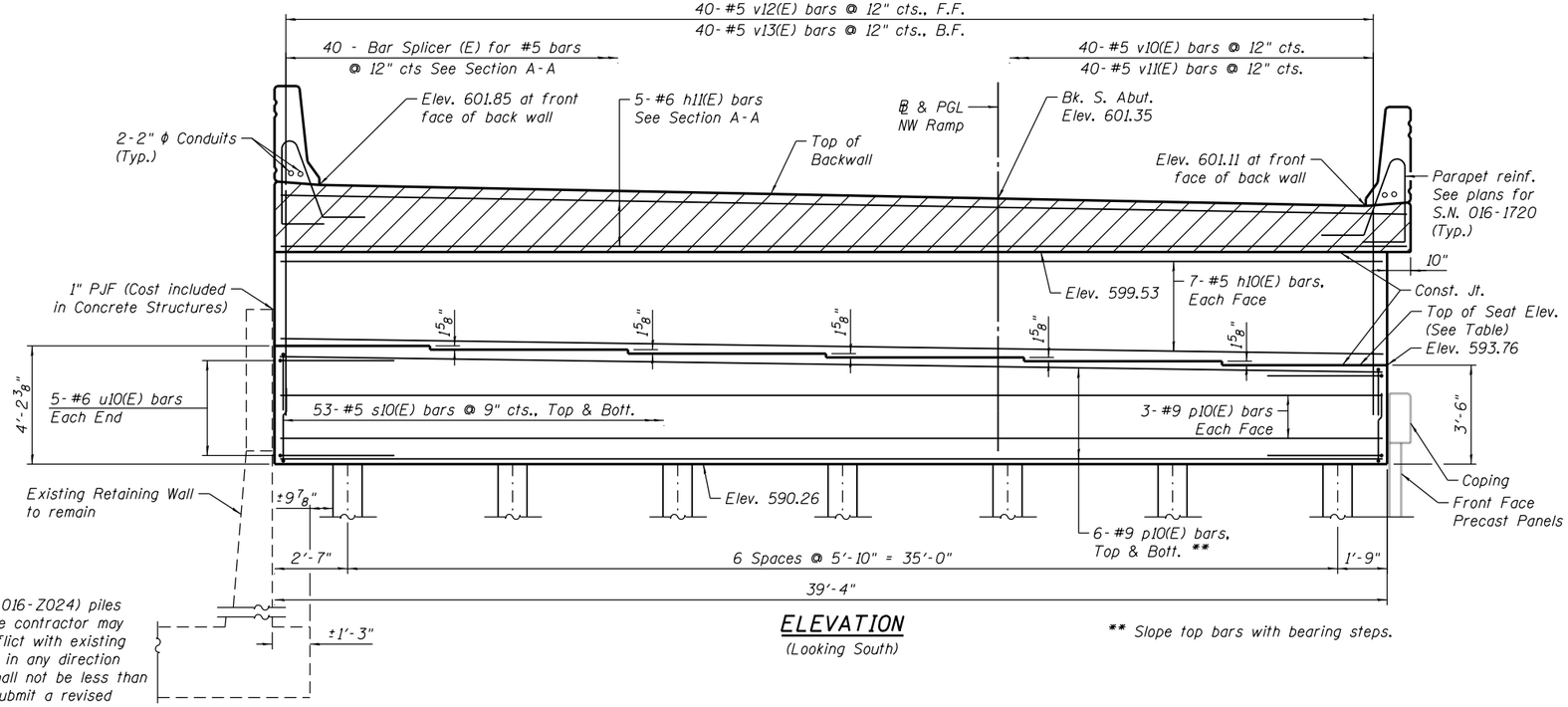
DETAIL 1



PLAN

PILE DATA:

Type: Steel HP12x84
Nominal Req'd Bearing: Set in Rock
Factored Resistance Available: 460 kips
Est. Length: 105'
No. Production Piles: 13
No. Test Piles: 0
Estimated Top of Rock Elev.: 491
Rock Socket Depth: 4'-0"
Rock Socket Dia.: 2'-0"



ELEVATION

(Looking South)

** Slope top bars with bearing steps.

TOP OF SEAT ELEVATION

Girder No.	Seat Elevation
1	594.46
2	594.32
3	594.18
4	594.04
5	593.90
6	593.76

TYP. MIN. BAR LAP

(Unless Noted Otherwise)

#5 bar = 3'-3"

NOTES:

1. Pour steps monolithically with cap.
2. For Anchor Bolt Details see Sheets S-106.
3. Hatched area to be poured after superstructure false work has been removed. Quantity of concrete included with Concrete Superstructure.
4. Concrete Sealer shall be applied to abutment backwall, bearing seats and exposed faces of abutment cap.
5. Space bars in cap to miss anchor bolts.
6. For Section A-A see sheet S-113.
7. The Contractor shall field locate existing retaining wall (S.N. 016-Z024) piles prior to drilling and installing the proposed steel H-piles. The contractor may need to field adjust the proposed pile locations to avoid conflict with existing retaining wall piles. The spacing between two adjacent piles, in any direction within the pile group, shall not be greater than 8'-0" and shall not be less than 3'-0". If field adjustment is required, the Contractor shall submit a revised foundation layout plan depicting the location of all piles to the Engineer for approval prior to constructing the proposed foundations.

0161705-60W28-S112-SouthAbutPlanElev.dgn

AECOM	USER NAME = floresg	DESIGNED - RD	REVISED
		CHECKED - ATB	REVISED
	PLOT SCALE = N.T.S.	DRAWN - GF	REVISED
	PLOT DATE = 5/7/2014	CHECKED - ATB	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOUTH ABUTMENT PLAN AND ELEVATION
STRUCTURE NO. 016-1705

SHEET NO. S-112 OF S-165 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-010R	COOK	747	428
		CONTRACT NO. 60W28		
	ILLINOIS FED. AID PROJECT			