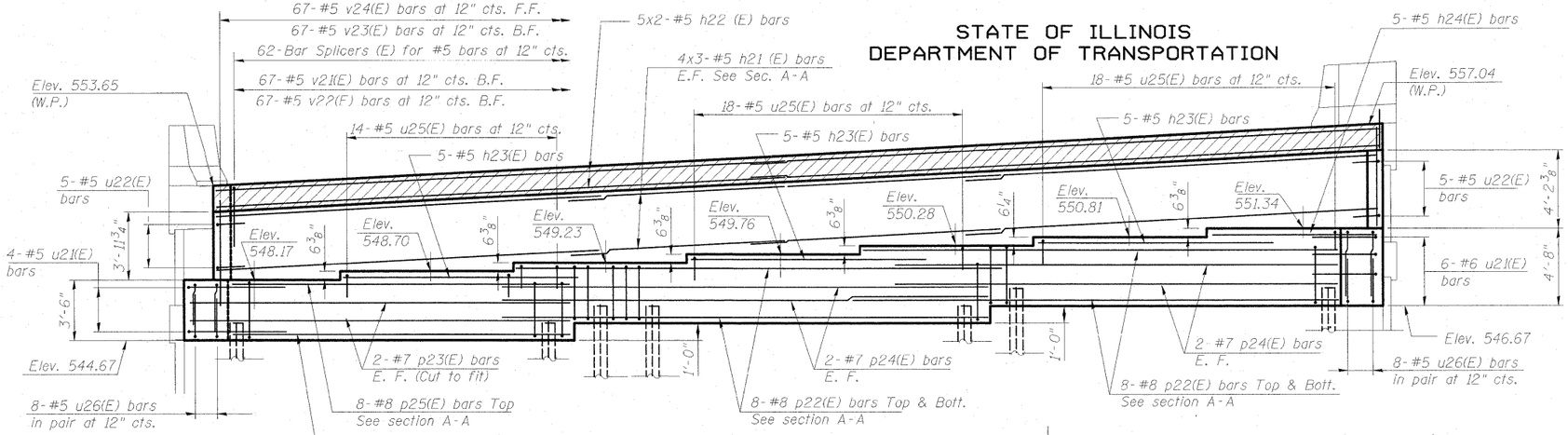
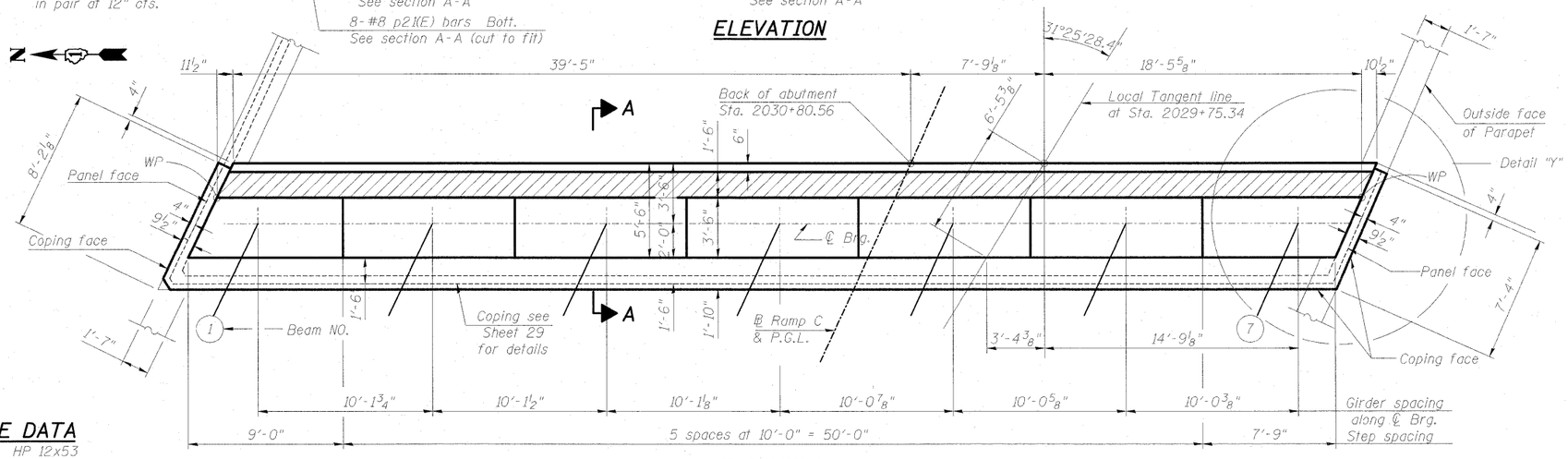
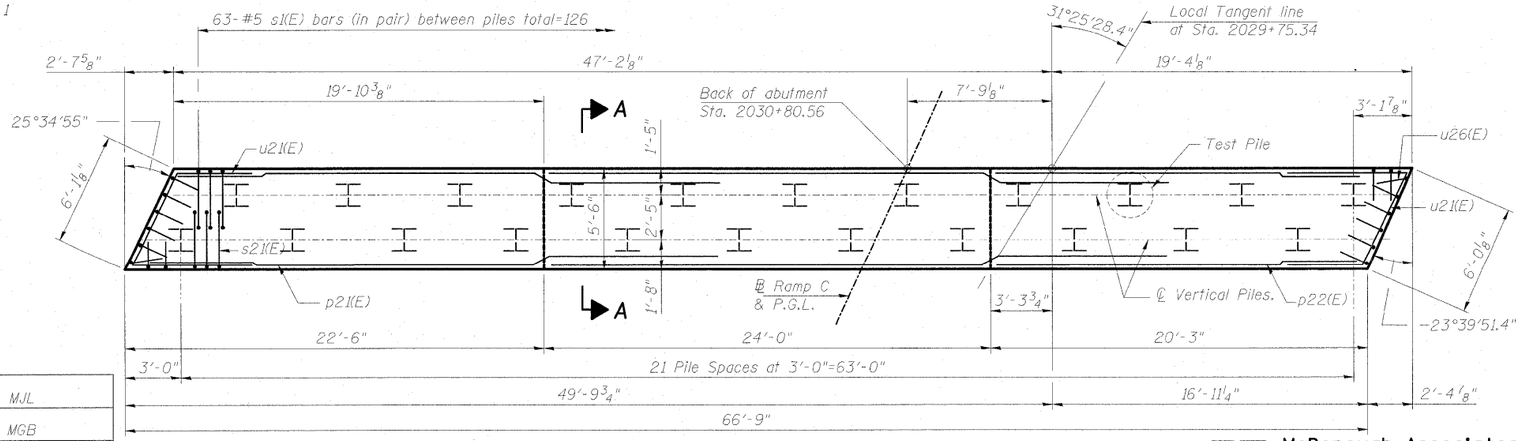
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



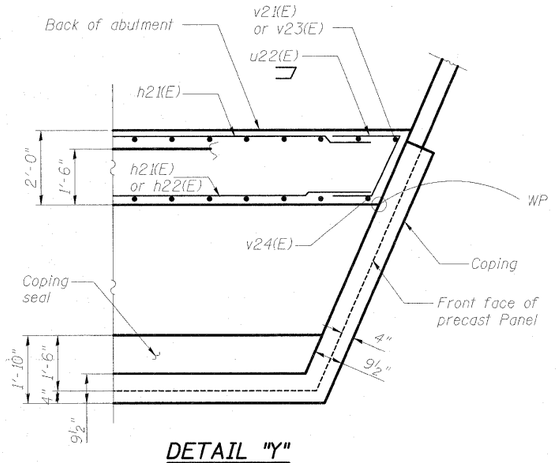
ELEVATION



TOP VIEW



PLAN-PILE CAP



DETAIL "Y"

MINIMUM BAR LAP
(Abutment)

Other bars	*Top bars
#5 bar = 2'-2"	#7 bar = 4' 10"
#6 bar = 2'-7"	#8 bar = 6'-4"
#7 bar = 3'-5"	
#8 bar = 4'-6"	
#9 bar = 5'-9"	
#10 bar = 7'-3"	

*Top bar minimum lap lengths to include p22(E), p23(E), and p24(E) bars.

PILE DATA
Type: HP 12x53
Nominal Required Bearing: 419 kips
Factored Resistance Available: 139 kips
Est. Length: 24 ft
No. Production Piles: 22 (Including test pile)
No. Test Piles: 1

Notes:
Pile shall be driven prior to placement of the reinforced select fill and coated with coal tar epoxy from the bottom of the select fill to 1" above the base of the abutment. The cost of the coal tar epoxy coating shall be included with the cost of Furnishing Steel Piles.

For Section A-A see Sheet no. SC-29.

DESIGNED	MJL
CHECKED	MGB
DRAWN	RJ
CHECKED	BKB

McDonough Associates Inc.
Engineers / Architects
130 East Randolph Street
Chicago, Illinois 60601
(312) 946-8600

EAST ABUTMENT PLAN AND ELEVATION
STRUCTURE NO. 099-0348

SHEET NO.	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SC-27	55	(99-1&2) R-6	WILL	756	553
SHEETS			CONTRACT NO. 60F12		
SC-37	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		