

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Bench Mark:
(BMRR) Box cut at top of S.E. wingwall of Grant Creek Bridge on E. Frontage Rd. of I-55, Elev. 520.80
Existing Structure:
None.

DESIGN STRESSES

FIELD UNITS

$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)

PRECAST UNITS

$f'_c = 4,500$ psi (pre-cast units)

DESIGN SPECIFICATIONS

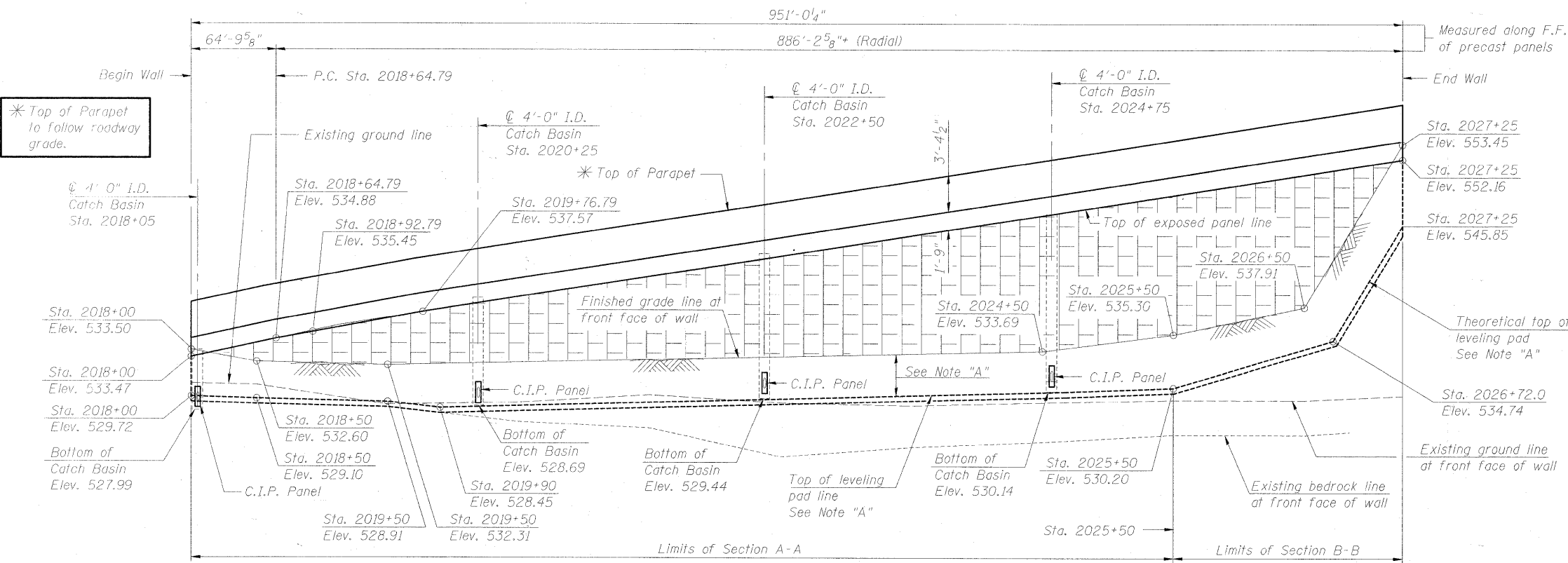
2002 AASHTO Standard Specifications

CURVE DATA

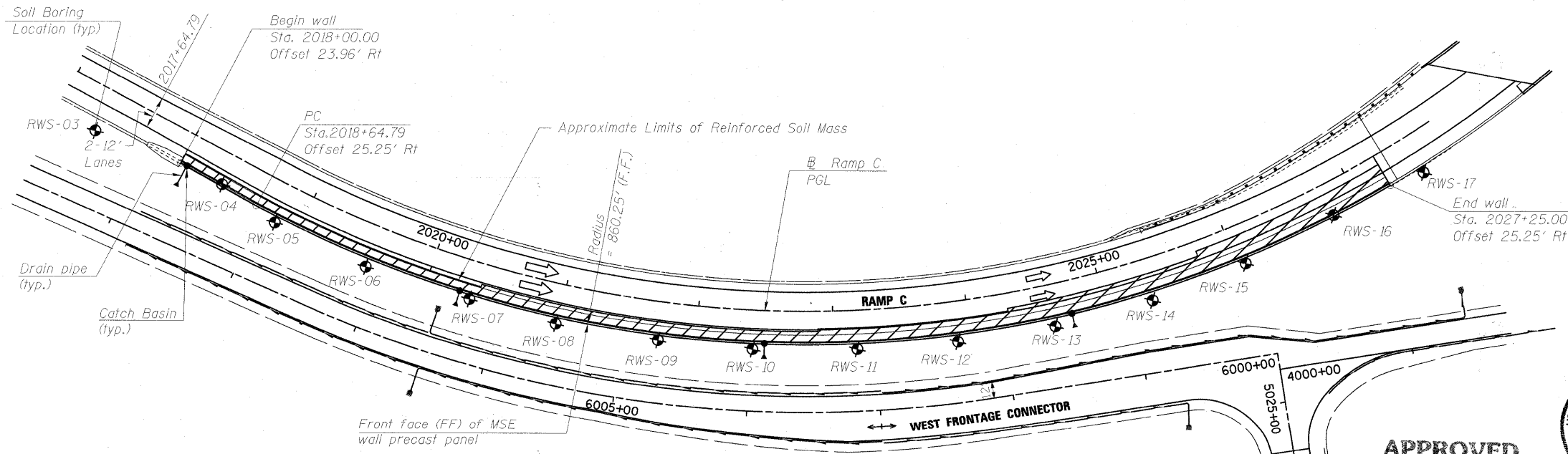
Ramp C
PI STA. = 2037+82.40
 $\Delta = 132^\circ 56' 23.34"$ (LT)
 $D = 6^\circ 51' 42"$
 $R = 835.00'$
 $T = 1917.61'$
 $L = 1937.40'$
 $E = 1256.52'$
S.E. RUN = 0.06 Ft./Ft.
P.C. STA. = 2018+64.79
P.T. STA. = 2038+02.19

Full SE from Sta. 2019+76.79 to end of wall.
For transition of SE from Sta. 2019+76.79 to beginning of wall see Sheet RW3-2.

Only Parapet and Anchorage Slab are part of this Contract



ELEVATION
(Looking at F.F. of wall)



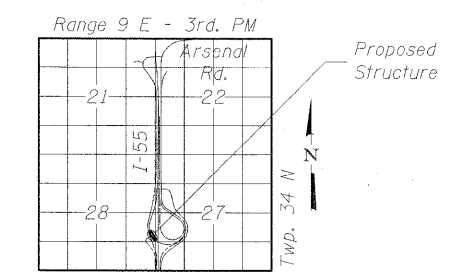
PLAN

Note:
Wall offsets are measured from the @ Ramp C to the front face of precast panels.

LEGEND

- ⊙ Manhole
- Catch Basin
- ⊕ Soil Boring
- F.F.=Front Face
- B.F.=Back Face
- E.F.=Each Face
- I.F.=Inside Face
- O.F.=Outside Face

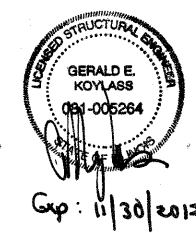
DESIGNED	PMH
CHECKED	MJL
DRAWN	RJ
CHECKED	BKB



LOCATION SKETCH

APPROVED
FOR STRUCTURAL ADEQUACY ONLY

Gerald E. Kovlacs
ENGINEER OF BRIDGES AND STRUCTURES



Exp: 11/30/2012

GENERAL PLAN & ELEVATION
MSE WALL-RAMP C
F.A.I. RTE. 55 - SEC. (99-1&2) R-6
WILL COUNTY
STATION 2018+00 TO 2027+25
STRUCTURE NO. 099-W028

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

SHEET NO. RW3-1 SHEETS RW3-7	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	55	(99-1&2) R-6	WILL	756	496
CONTRACT NO. 60F12					
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					