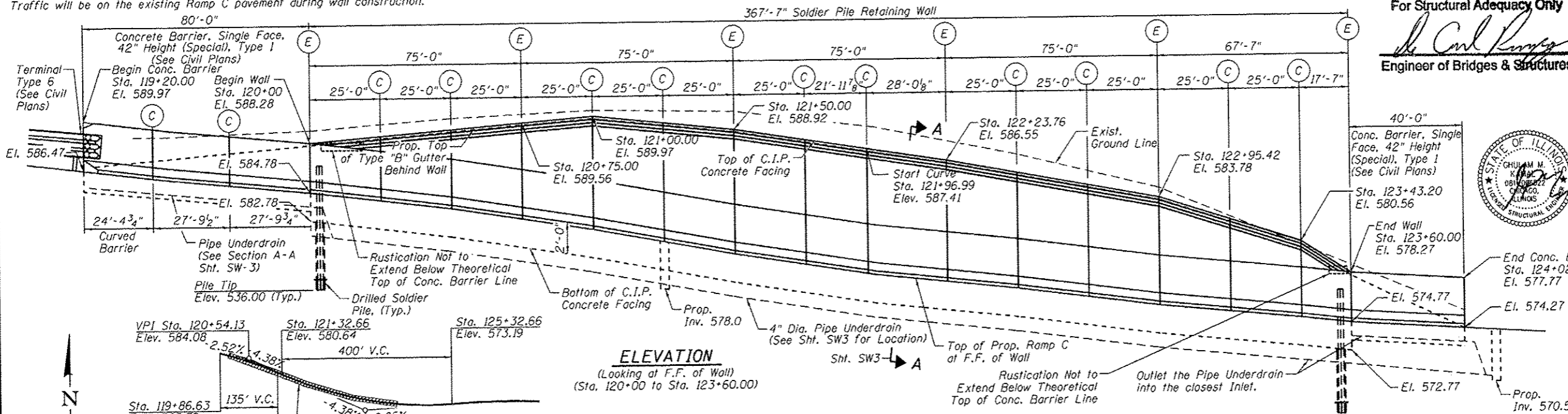


Bench Mark: BM 08 - Second bolt from maintenance door "X" mast tower No. 6 SGH3 in infield between I-90/94 and Ohio Ramp A, +/- 35 ft west of brick maintenance building, Sta. 109+43, Offset 80 ft Rt., El. 590.735.

Existing Structure: None. No Salvage.

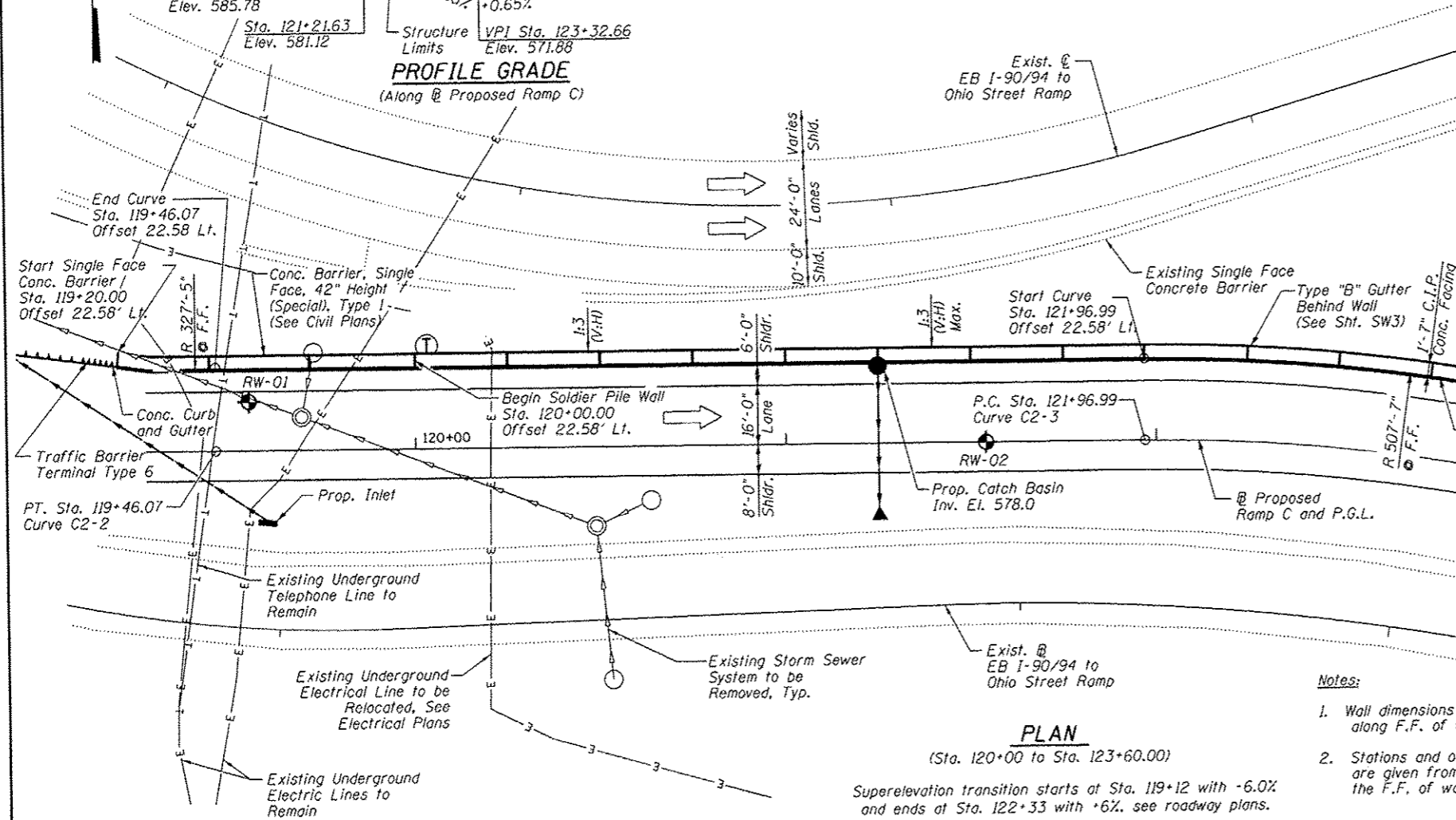
Traffic will be on the existing Ramp C pavement during wall construction.

APPROVED
For Structural Adequacy Only
De Carl Rung
Engineer of Bridges & Structures



Signed: Ghulam Masoom Kamol, S.E.
I.L. Lic. No. 081-006522
Expires 11-30-2014
Date: 3/8/13

- Legend:**
- F.F. Front Face
 - B.F. Back Face
 - C.I.P. Cast in Place
 - (C) Construction Joint
 - (E) Expansion Joint
 - (B) Boring Location



CURVE C2-2 DATA

P.I. Sta. = 118+82.33
 $\Delta = 128^{\circ}03'25.89"$ (LT)
 $D = 16^{\circ}22'12.80"$
 $R = 350.00'$
 $T = 718.52'$
 $L = 782.26'$
 $E = 449.23'$
 $P.C. = Sta. = 111+63.81$
 $P.T. = Sta. = 119+46.07$

CURVE C2-3 DATA

P.I. Sta. = 123+98.85
 $\Delta = 45^{\circ}11'35"$ (RT)
 $D = 11^{\circ}48'49"$
 $R = 485.00'$
 $T = 201.85'$
 $L = 382.55'$
 $E = 40.33'$
 $P.C. = Sta. = 121+96.99$
 $P.T. = Sta. = 125+79.55$

DESIGN STRESSES

FIELD UNITS

$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 50,000$ psi (M270 Grade 50)

DESIGN SPECIFICATIONS

2012 AASHTO LRFD Bridge Design Specifications, 6th Edition

GENERAL PLAN
ONTARIO STREET TO
E.B. I-90/94 (RAMP C)
F.A.P. RT. 0383 - SEC. 0303-474HB-R
COOK COUNTY
STATION 120+00 TO 123+60
STRUCTURE NO. 016-Z014

- Notes:**
1. Wall dimensions are measured along F.F. of wall.
 2. Stations and offsets for the wall are given from the @ Ramp C to the F.F. of wall.

	USER NAME	DESIGNED - GFP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN STRUCTURE NO. 016-Z014 SHEET NO. SW1 OF SW11 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	CHECKED - GMK DRAWN - GFP DATE - 3/5/2013	REVISED - REVISED - REVISED -	90/94			0303-474HB-R	COOK	368	313	CONTRACT NO. 60F63