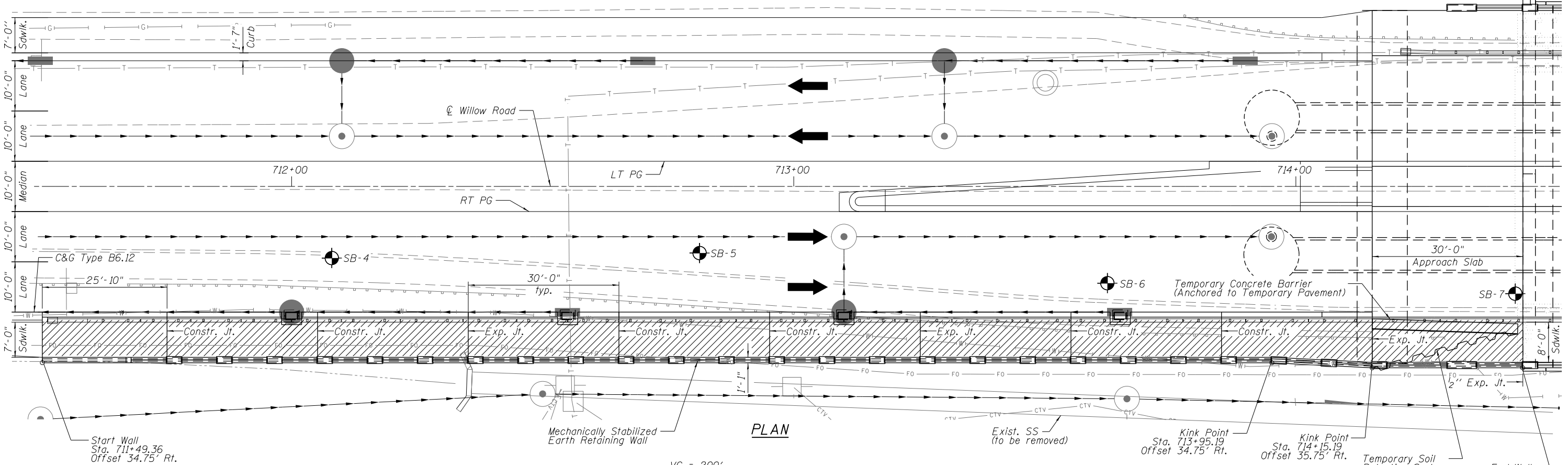
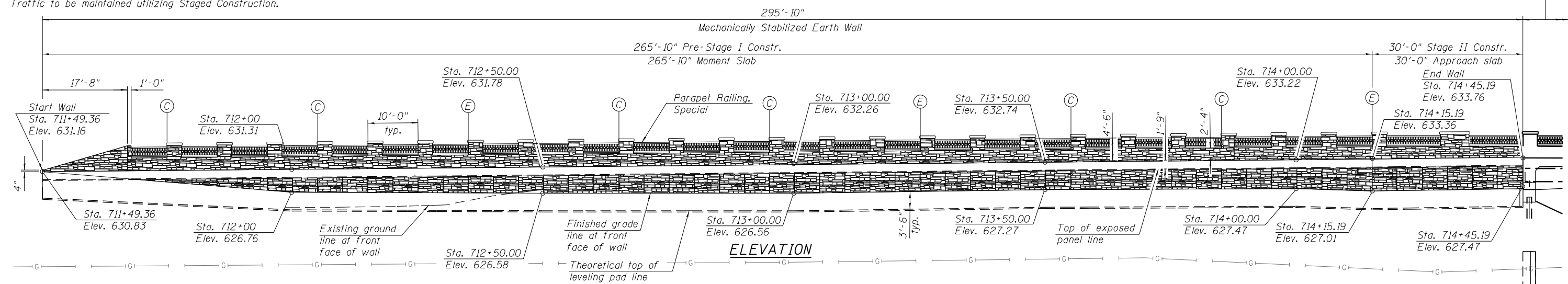


Bench Mark: Square cut on SE corner of handrail at NE corner of bridge over Middle Fork of the North Branch of the Chicago River At Willow Road. Elev. 633.16
 Existing Structure: None
 Traffic to be maintained utilizing Staged Construction.

SN 016-2844

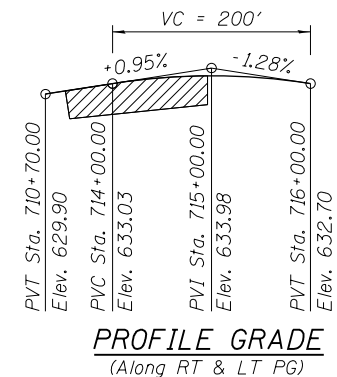


PLAN

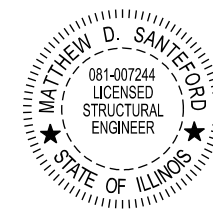
DESIGN SPECIFICATIONS
 AASHTO Standard Specifications for Highway Bridges, 2002.

DESIGN STRESSES
FIELD UNITS
 $f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)
PRECAST UNITS
 $f'_c = 4,500$ psi (precast panels)

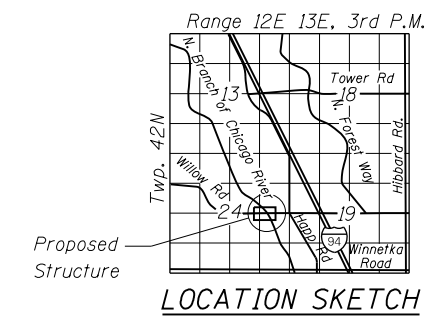
SEISMIC DATA
 Seismic Performance Zone (SPZ) = 1
 Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.058g
 Design Spectral Acceleration at 0.2 sec. (S_{D5}) = 0.102g
 Soil Site Class = C



PROFILE GRADE
 (Along RT & LT PG)



MATTHEW D. SANTEFORD, P.E., S.E.
 NO. 081-007244
 EXP. DATE 11/30/2012



LOCATION SKETCH

GENERAL PLAN AND ELEVATION
RETAINING WALL A
F.A.P. RTE. 0305
SEC. (1920,01,1518,2022&1922.4B)R
COOK COUNTY
STA 711+49.36 TO 714+45.19

12/5/2012 5:46:33 PM - G:\CHIN\058\Bridges\CADD\Sheets\WALLA-DIG0135-01-WGPE.dgn



| | | |
|--------------------------------|----------------|----------|
| USER NAME = jrmickow | DESIGNED - WJC | REVISD - |
| PLOT SCALE = 20:1 1/4" = 1'-0" | CHECKED - MDS | REVISD - |
| PLOT DATE = 12/5/2012 | DRAWN - WJC | REVISD - |
| | CHECKED - MDS | REVISD - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SHEET NO. 1 OF 10 SHEETS

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|------------------------------|--------|---------------------------|-----------|
| 0305 | (1920,01,1518,2022&1922.4B)R | COOK | 919 | 481 |
| CONTRACT NO. 60T35 | | | ILLINOIS FED. AID PROJECT | |