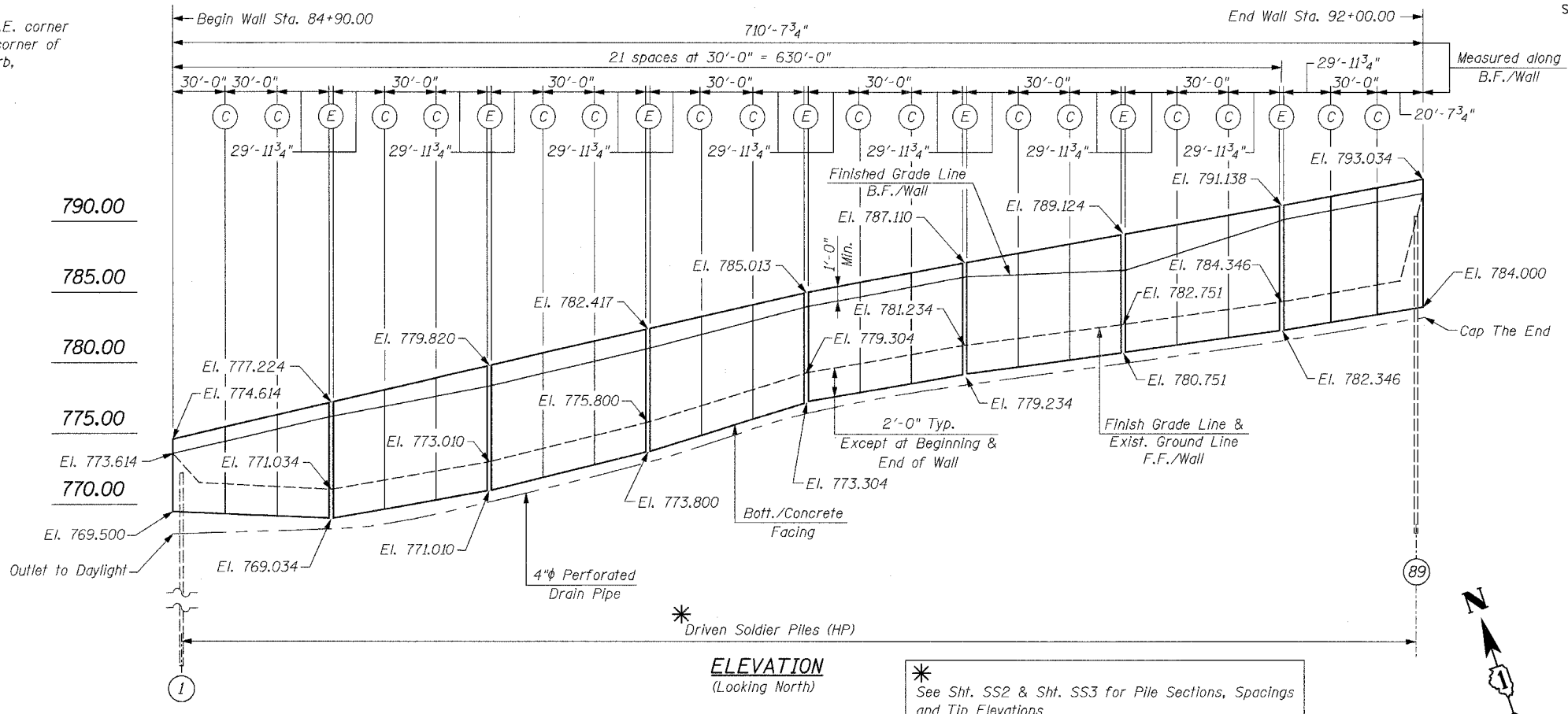


BENCH MARK:

C.P. #12: Found Rebar with Cap 39.25' from N.E. corner of S.W. Wingwall, 31.50' along slope from S.W. corner of S.W. Wingwall & 2.50' from existing back of curb, El. 810.890

Existing Structure: None

SHEET SS1 OF SS10		F.A.P. NO. 345	SECTION BR-1-N-1	COUNTY COOK	TOTAL SHEETS 196	SHEET NO. 129
STA. 84+90.00 TO STA. 92+00.00		CONTRACT NO. 62617				

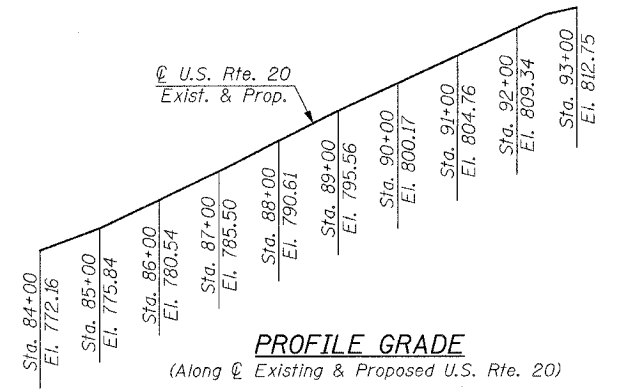
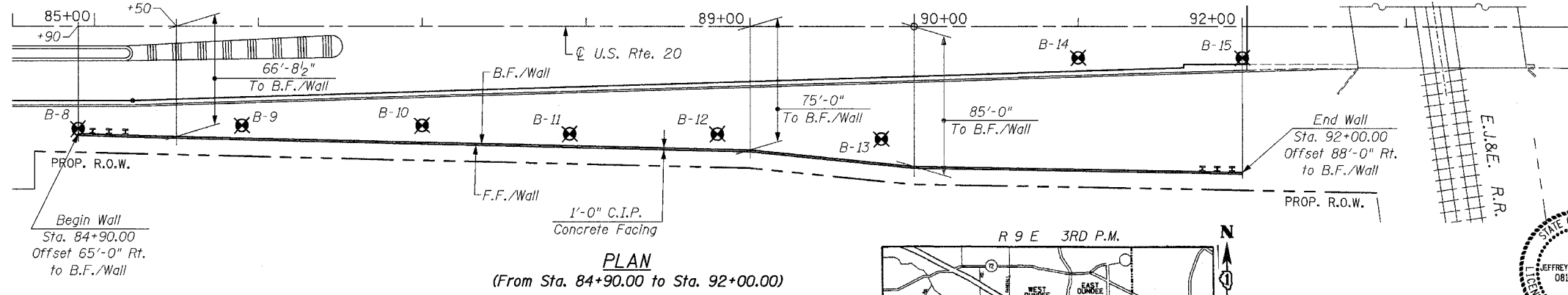


INDEX OF SHEETS

SS1	GENERAL PLAN & ELEVATION
SS2	PLAN & ELEVATION-I
SS3	PLAN & ELEVATION-II
SS4	SECTION & RETAINING WALL DETAILS
SS5	SOLDIER PILE SCHEDULE
SS6	SOIL BORING LOGS-I
SS7	SOIL BORING LOGS-II
SS8	SOIL BORING LOGS-III
SS9	SOIL BORING LOGS-IV
SS10	SOIL BORING LOGS-V

LEGEND:

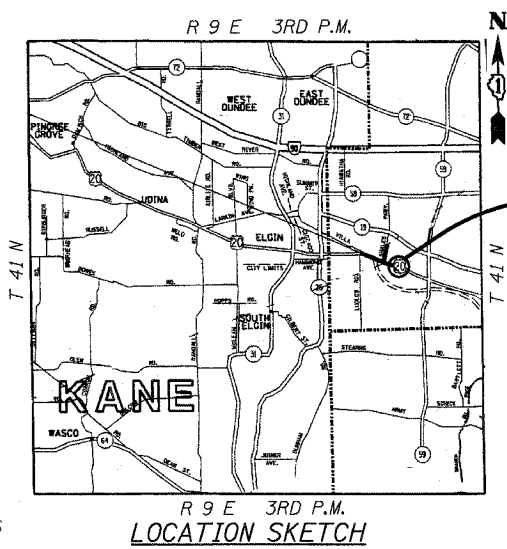
- B.F. = Back Face
- F.F. = Front Face
- (C) = Construction Joint
- (E) = Expansion Joint
- (S) = Soil Boring Location
- (I) = Pile Numbers
- C.I.P. = Cast-In-Place



APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Ralph E. Anderson (SE)
ENGINEER OF BRIDGES AND STRUCTURES

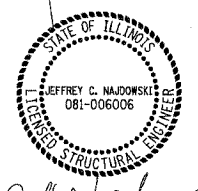
HIGHWAY CLASSIFICATION
Route: F.A.P. 345 (U.S. Route 20)
Class: Other Principal Arterial
A.D.T.: 40,500 (Year 2005) 55,000 (Year 2010)
D.H.V.: 2,450 (Year 2005) 3,300 (Year 2010)
Design Speed: 50 mph
Posted Speed: 50 mph

DESIGN SPECIFICATIONS
AASHTO 17th Edition - 2002
DESIGN STRESSES
FIELD UNITS
f'c = 3,500 PSI (C.I.P. Concrete)
fy = 60,000 PSI (Reinforcement Grade 60)
fy = 36,000 PSI (Soldier Pile) AASHTO M270 Gr. 36



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
GENERAL PLAN & ELEVATION
U.S. RTE. 20
AT BLUFF CITY / SHALES PARKWAY
SOUTH SOLDIER PILE RETAINING WALL
F.A.P. 345 SECTION: BR-1-N-1
COOK COUNTY
STRUCTURE NO. 016-W968
SCALE: NONE
DATE: FEBRUARY, 2008
DRAWN BY: D.L./F.M.
CHECKED BY: B.N.S./J.C.N.
CHRISTIAN-ROGE & ASSOC., INC.
CHICAGO ILLINOIS



Jeffrey C. Najdowski
JEFFREY C. NAJDOWSKI
LICENSED STRUCTURAL ENGINEER
STATE OF ILLINOIS LIC. NO. 081-006006
EXPIRES: 11-30-08