

BENCHMARK

Chiseled '□' SW side of concrete light pole base, Easterly side of Rte. 14.
Sta. 13+605.9, 17.6m Lt. Elev. 264.205

Existing Structure: None

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	70HB-R-1	COOK	283	213
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 62897

DESIGN SPECIFICATION

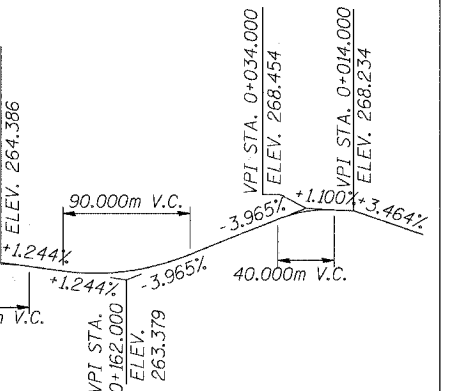
2002 AASHTO Std. Spec, 17th edition

DESIGN STRESSES

NEW CONSTRUCTION

FIELD UNITS

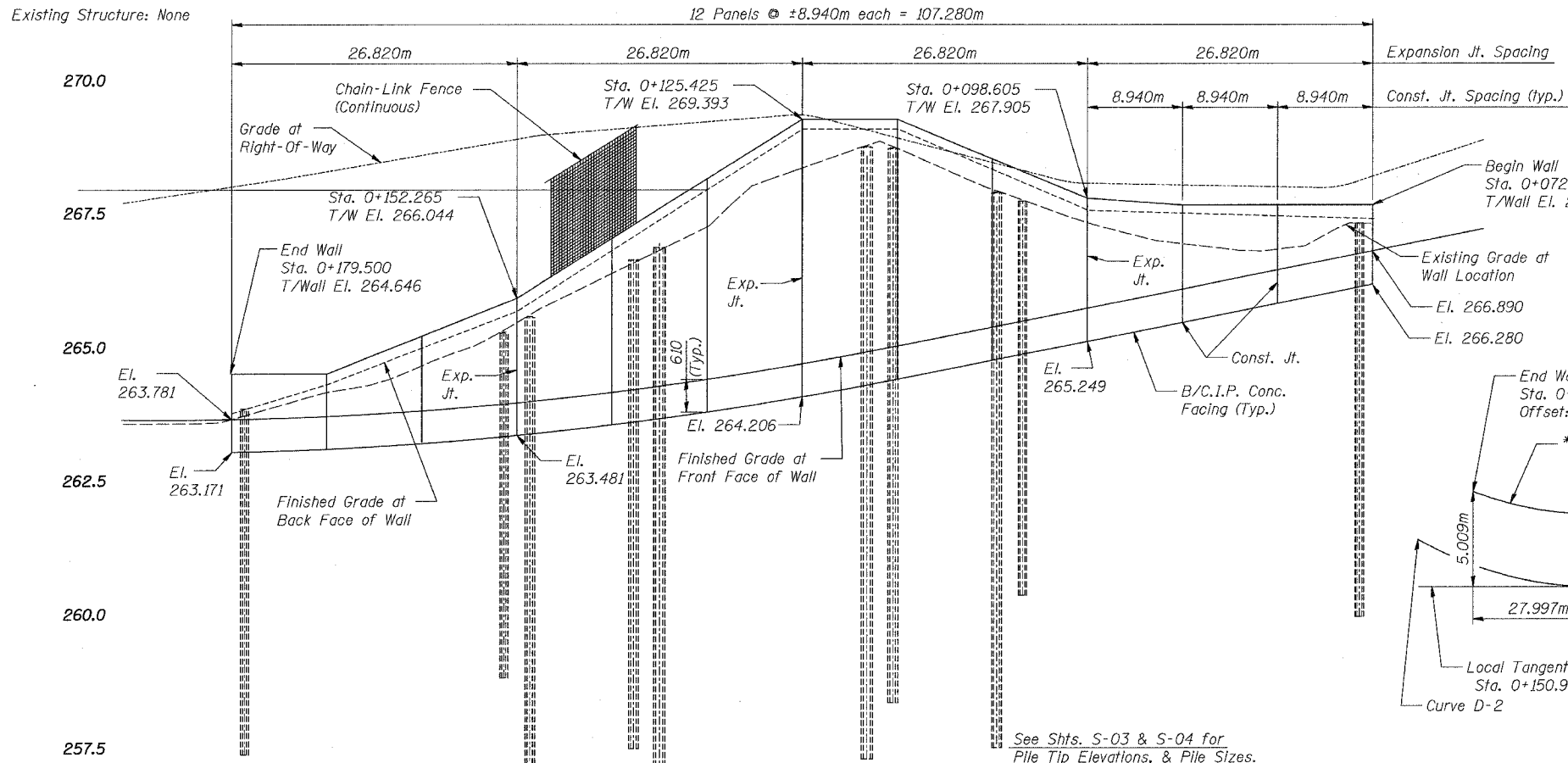
f'c = 24 MPa (concrete)
Fy = 250 MPa (M270M, Gr. 250 Struct. Steel)
fy = 400 MPa (reinforcement)



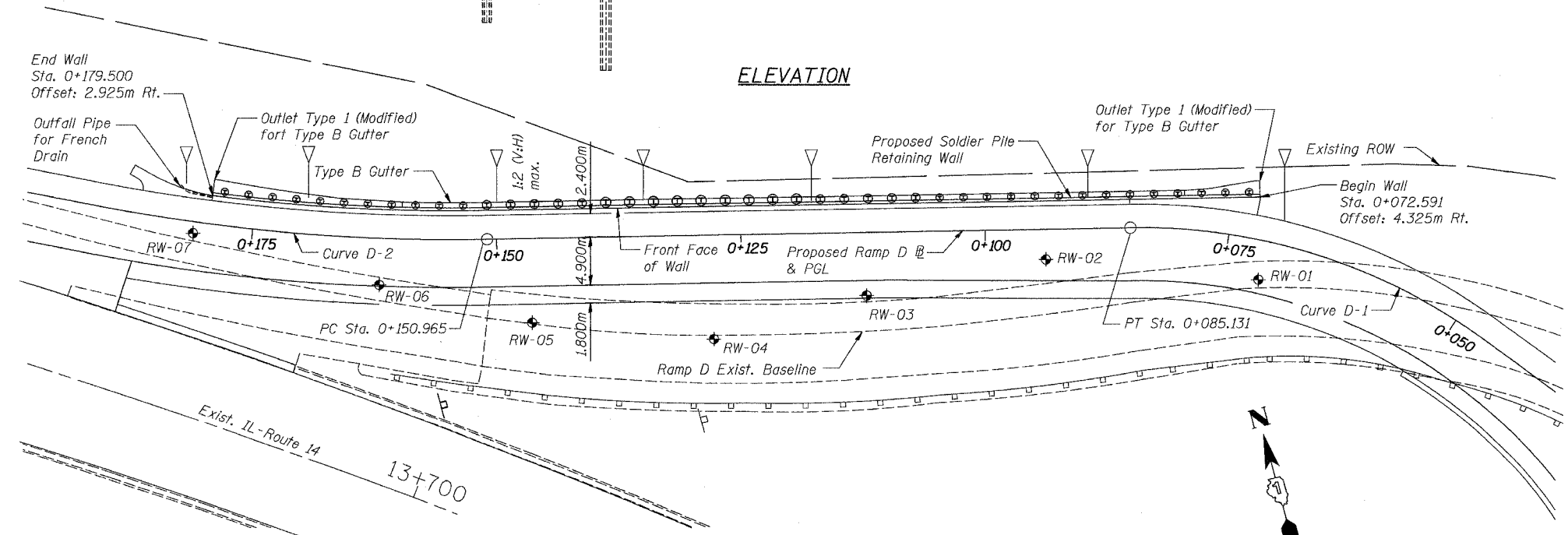
PROFILE GRADE RAMP D

CURVE DATA

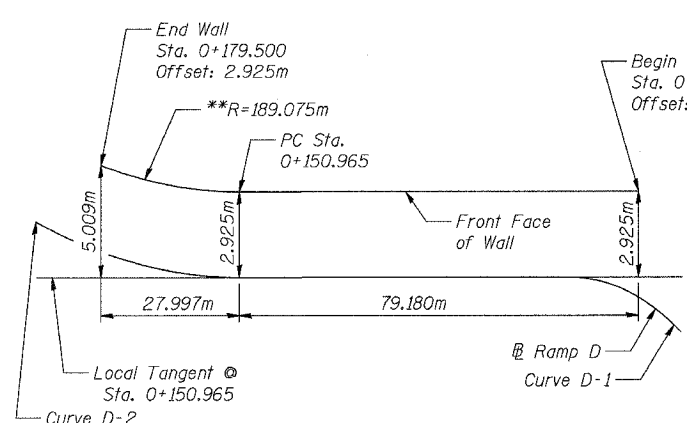
CURVE D-1	CURVE D-2
PI Sta. = 0+066.406	PI Sta. = 0+171.646
Δ = 37°06'58" Lt.	Δ = 12°17'44" Lt.
R = 60.000	R = 192.000
T = 20.143	T = 20.681
L = 38.868	L = 41.203
E = 3.291	E = 1.111
P.C. Sta. = 0+046.263	P.C. Sta. = 0+150.965
P.T. Sta. = 0+085.131	P.T. Sta. = 0+192.168
S.E. = 4.0%	S.E. = 4.0%
Trans. in 0+014 to 0+063	Trans. in 0+140 to 0+157
Trans. out 0+069 to 0+118	Trans. out 0+174 to 0+229



ELEVATION

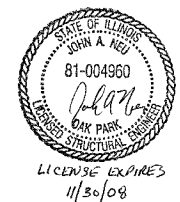


PLAN



OFFSET SKETCH

** Wall to be built along straight chords between construction joints

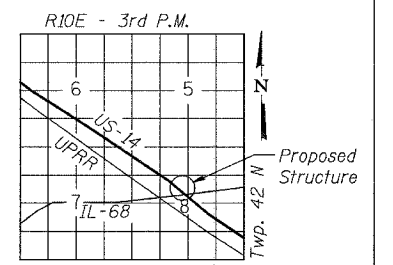


APPROVED
FOR STRUCTURAL ADEQUACY ONLY

Robert E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

NOTES:

- All dimensions in millimeters (mm) except as noted.
- Offsets are measured from the to the front face of wall



LOCATION SKETCH

SHT. S-01 OF S-08

REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
IL ROUTE 68 F.A.P. ROUTE 343
SECTION 70HB-R-1 COOK COUNTY
DRILLED SOLDIER PILE WALL
STATION 0+072.591 TO 0+179.500
STRUCTURE NO. 016-W979

GENERAL PLAN

DESIGNED: BTO DRAWN: BTO
CHECKED: JAN CHECKED: JAN

DATE: 10/06

STV Incorporated
Engineers/Architects/Planners/Construction Managers
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