Bench Mark: ½" Iron rod with cap, Sta. 513+52.54, 19.68' Lt., Elev. 881.31.

Existing Structure: None.

DESIGN SPECIFICATIONS

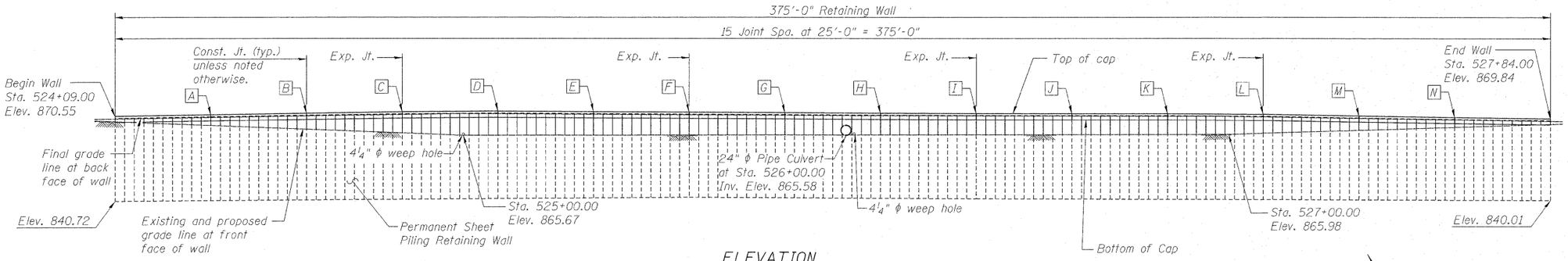
2002 AASHTO Standard Specifications, 17th Edition

DESIGN STRESSES

FIELD UNITS

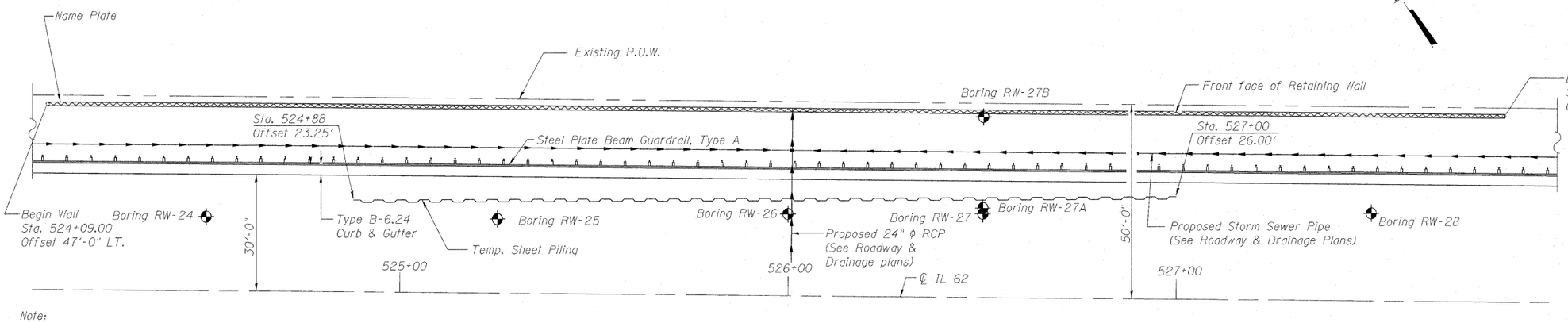
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
fy = 38,500 psi (Sheet Piling)
(Cr. 39 AASHTO M 202)

INDEX OF SHEETS



ELEVATION

(Looking at front face of wall)



Note:
Offsets measured to ℄ IL 62 from front face of sheet piling.

PLAN

LT. STA. 524+09.00 TO STA. 527+84.00
BUILT 201_ BY
STATE OF ILLINOIS
F.A.P. RT. 339 SEC. 116 Y-1-R-1
STRUCTURE NO. 016-W999

NAME PLATE

See Std. 515001

LOCATION SKETCH

TOP OF CAP DATA

LOCATION	STATION	ELEVATION
A	524+34.00	870.90
B	524+59.00	871.25
C	524+84.00	871.60
D	525+09.00	871.78
E	525+34.00	871.65
F	525+59.00	871.53
G	525+84.00	871.40
H	526+09.00	871.28
I	526+34.00	871.18
J	526+59.00	871.12
K	526+84.00	871.10
L	527+09.00	870.95
M	527+34.00	870.54
N	527+59.00	870.17

GENERAL NOTES

Reinforcement bars shall conform to the requirements of ASTM A706 Gr 60. See Special Provisions.

Reinforcement bars designated (E) shall be epoxy coated.

Concrete Cap shall be constructed after backfill is in place.

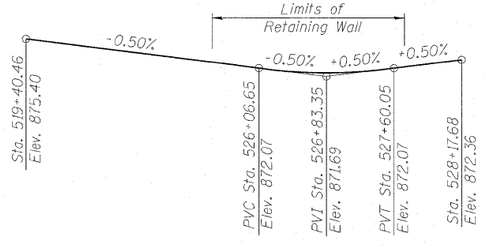
It shall be the Contractor's responsibility to verify the location of the existing underground utilities prior to starting construction.

The Contractor shall take precaution during pile driving operations so as not to damage any proposed and/or existing utilities.

Dewatering may be required behind sheet pile wall in order to install drainage material. Cost shall be included with Permanent Sheet Piling.

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Structures	Cu. Yd.	48.6
Stud Shear Connectors	Each	410
Reinforcement Bars, Epoxy Coated	Pound	4810
Permanent Sheet Piling	Sq. Ft.	11000
Pipe Underdrains for Structures 4"	Foot	376
Geocomposite Wall Drain	Sq. Yd.	66
Porous Granular Embankment, Special	Cu. Yd.	87.7
Name Plates	Each	1
Temporary Sheet Piling	Sq. Ft.	5300



PROFILE GRADE

(along ℄ IL 62)

LICENSED STRUCTURAL ENGINEER
MICHAEL T. HALEY
81-5991
CHATHAM
STATE OF ILLINOIS

Michael J. Haley 10-21-2011
Michael T. Haley Date
Licensed Structural Engineer
State of Illinois No. 81-5991
Expires 11/30/2012

RETAINING WALL NO. 6

STA. 524+09.00 TO STA. 527+84.00

LIN ENGINEERING, LTD. Consulting Engineers, Chatham, Illinois	USER NAME =	DESIGNED - ESH	REVISED - MTH 9/30/11	
		CHECKED - ADB	REVISED - MTH 10/21/11	
	PLOT SCALE =	DRAWN - ESH	REVISED -	
	PLOT DATE =	CHECKED - ADB	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
STRUCTURE NO. 016-W999
SHEET NO. S1 OF S9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	116 Y-1-R-1	COOK	122	89
		CONTRACT NO. 60135		
	ILLINOIS FED. AID PROJECT			