Benchmark: Cut Cross on bolt for traffic signal at northeast corner of Cumberland Avenue and the ramp from northbound Cumberland to Eastbound I-90. Mark is 40 feet north of centerline of the intersection, Elevation 645.68.

No Salvage.

INDEX OF SHEETS

SA-1 General Plan & Elevation
SA-2 Plan & Elevation 1
SA-3 Plan & Elevation 2
SA-4 Plan & Elevation 3
SA-5 Plan & Elevation 4
SA-6 Wall Details & Bill of Materials
SA-7 Boring Logs 1
SA-8 Boring Logs 2

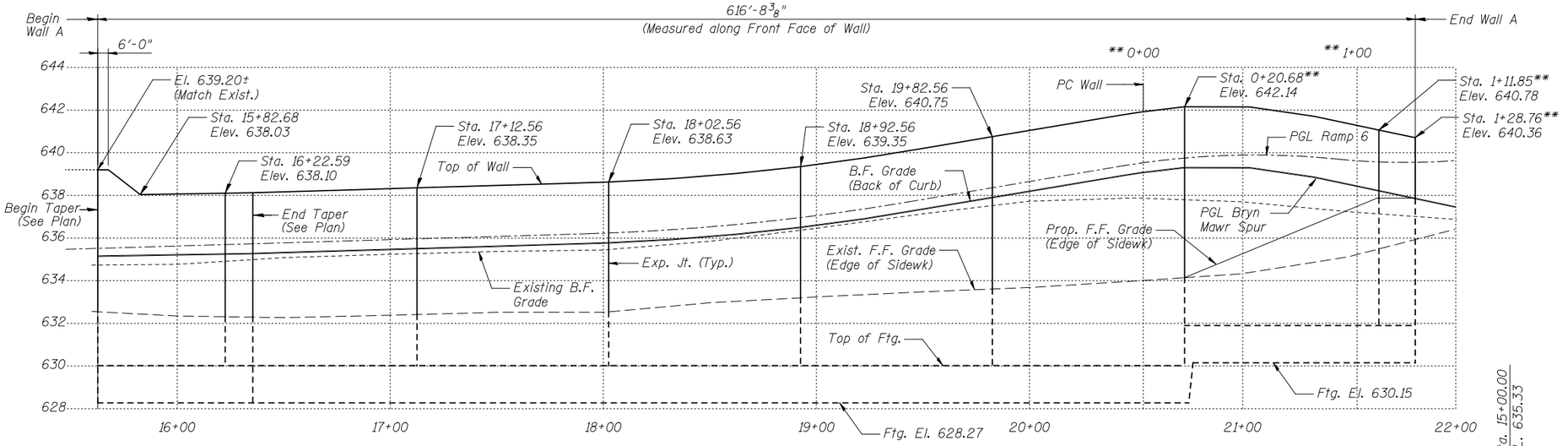
DESIGN SPECIFICATIONS

2010 AASHTO LRFD Bridge Design Specifications, 5th Ed. with 2010 Interims

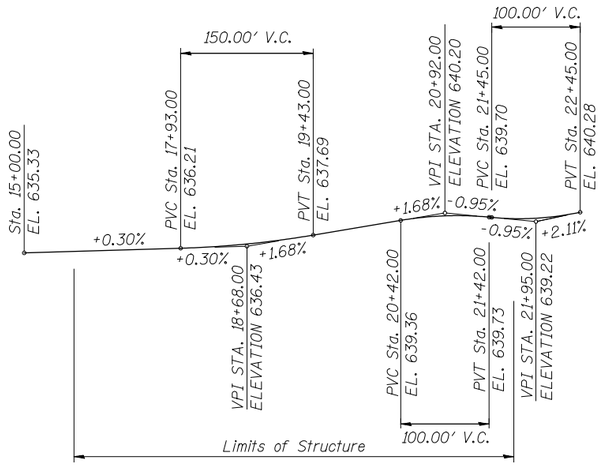
DESIGN STRESSES

FIELD UNITS

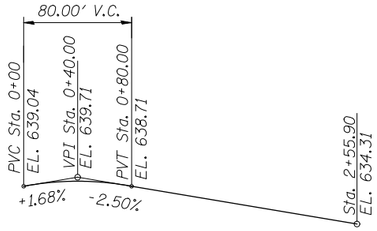
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)



ELEVATION



PROFILE GRADE OF RAMP 6



PROFILE GRADE OF BRYN MAWR SPUR

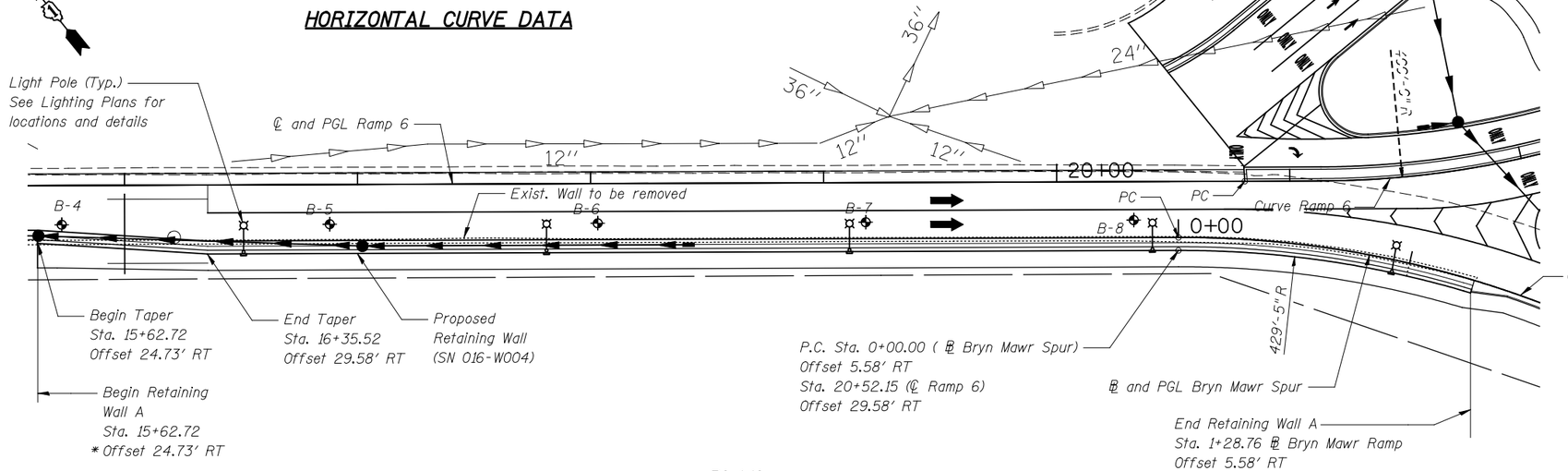
LEGEND

- Soil Boring
- F.F. Front Face of Wall
- B.F. Back Face of Wall

PROP. CURVE RAMP 6
PI STA. = 21+86.97
Δ = 20° 51' 00" (LT)
D = 14° 19' 26"
R = 400.00'
T = 73.59'
L = 145.56'
E = 6.71'
P.C. STA. = 21+13.38
P.T. STA. = 22+58.94

PROP. CURVE BRYN MAWR SPUR
PI STA. = 1+93.02
Δ = 47° 51' 25" (RT)
D = 13° 10' 17"
R = 435.00'
T = 193.02'
L = 363.34'
E = 40.90'
P.C. STA. = 0+00.00
P.T. STA. = 3+63.34

HORIZONTAL CURVE DATA



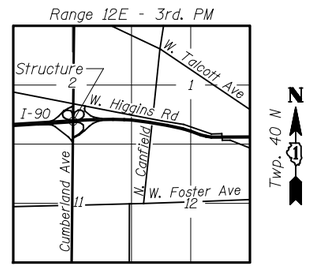
PLAN

* All offsets are to the front face of wall.

PATRICK ENGINEERING, INC.

STATE OF ILLINOIS
ATALAY YARGICOGLU
081-005358
LICENSED STRUCTURAL ENGINEER
CHICAGO, IL

ATALAY YARGICOGLU, S.E.
081-005358
EXP 11/30/2014
DATE 2/18/2013



LOCATION SKETCH

PATRICK ENGINEERING INC. 4970 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com	USER NAME =	DESIGNED - AY	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		DRAWN - AY	REVISED	
	PLOT SCALE =	CHECKED - AD	REVISED	
	PLOT DATE =	DATE - 2/18/2013	REVISED	

GENERAL PLAN AND ELEVATION
RETAINING WALL A STRUCTURE NO. 016-W004

SCALE: NONE SHEET NO. SA1 OF SA8 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2746	16162	COOK	404	329
		CONTRACT NO. 60J14		
	ILLINOIS FED. AID PROJECT			

Q:\IDOT\21050_006_CumberlandAve\Drawings\CADD Sheets\D160J14-sht-tsl-Wall_A_GP.dgn