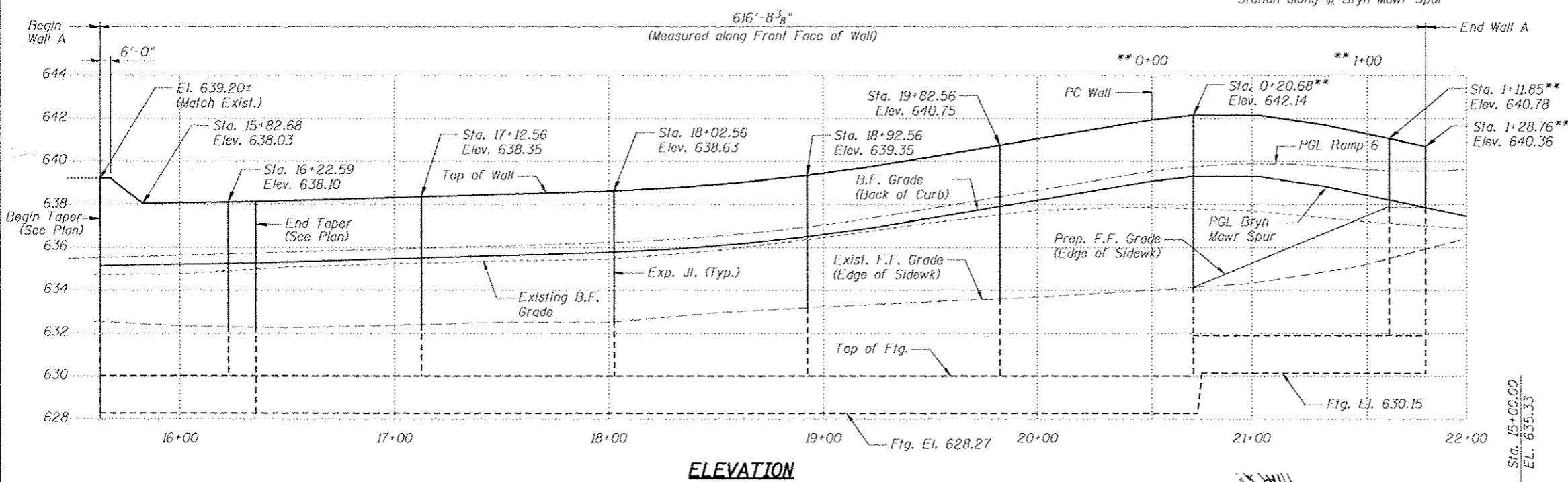


Benchmark: Cut Cross on ball for traffic signal at northeast corner of Cumberland Avenue and the ramp from northbound Cumberland to Eastbound I-90. Mark is 40 feet north of centerline of the intersection, Elevation 645.68.
No Salvage.



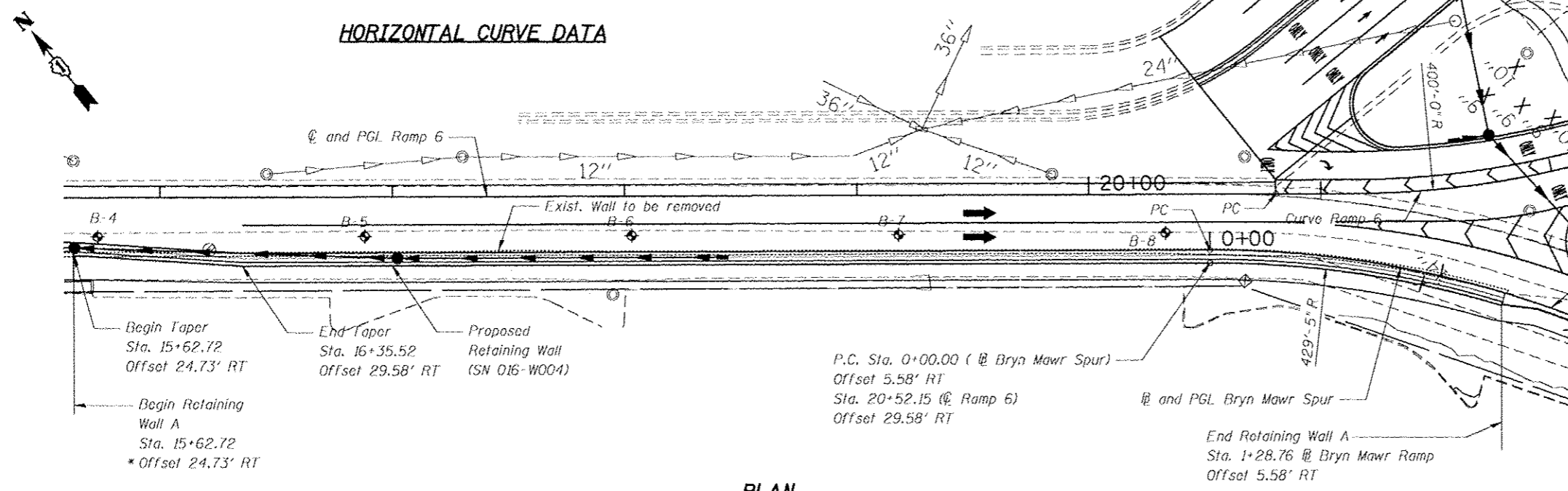
ELEVATION

LEGEND

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

PROP. CURVE RAMP 6	PROP. CURVE BRYN MAWR SPUR
PI STA. = 21+86.97	PI STA. = 1+93.02
$\Delta = 20^\circ 51' 00''$ (LT)	$\Delta = 47^\circ 51' 25''$ (RT)
$D = 14^\circ 19' 26''$	$D = 13^\circ 10' 17''$
$R = 400.00'$	$R = 435.00'$
$T = 73.59'$	$T = 193.02'$
$L = 145.56'$	$L = 363.34'$
$E = 6.71'$	$E = 40.90'$
P.C. STA. = 21+13.38	P.C. STA. = 0+00.00
P.T. STA. = 22+58.94	P.T. STA. = 3+63.34

HORIZONTAL CURVE DATA



PLAN

* All offsets are to the front face of wall.

INDEX OF SHEETS

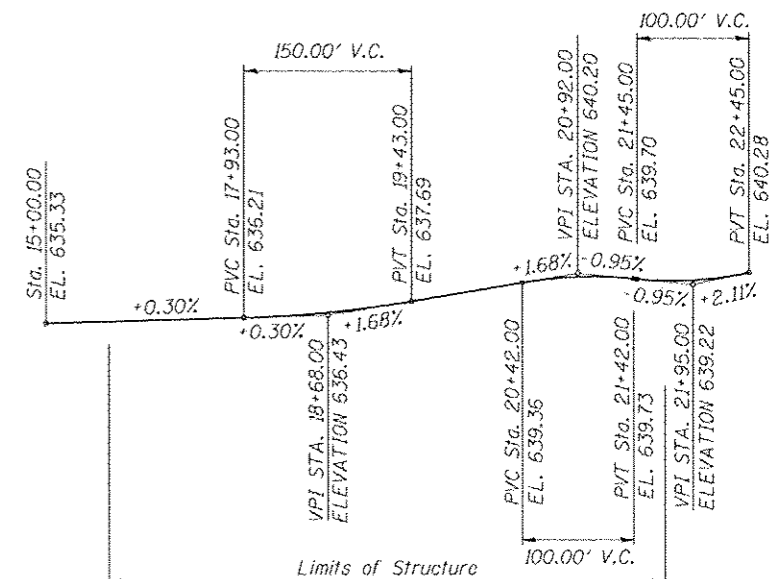
- SA-1 General Plan & Elevation
- SA-2 Plan & Elevation 1
- SA-3 Plan & Elevation 2
- SA-4 Plan & Elevation 3
- SA-5 Plan & Elevation 4
- SA-6 Wall Details & Bill of Materials
- SA-7 Boring Logs 1
- SA-8 Boring Logs 2

DESIGN SPECIFICATIONS

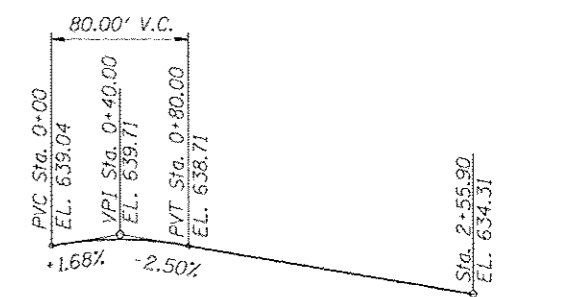
2010 AASHTO LRFD Bridge Design Specifications, 5th Ed. with 2010 Interims

DESIGN STRESSES

FIELD UNITS
 $f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)



PROFILE GRADE OF RAMP 6

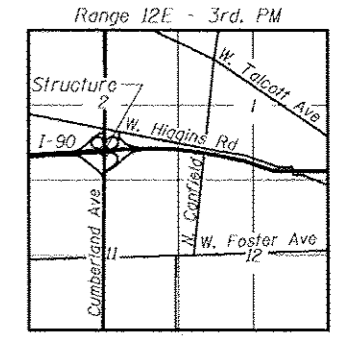


PROFILE GRADE OF BRYN MAWR SPUR

PATRICK ENGINEERING, INC.



ATALAY YARGICOGLU, S.E.
 # 081-005358
 EXP 11/30/2014
 DATE 12/10/2012



LOCATION SKETCH

PATRICK ENGINEERING INC. 4970 VARSITY DRIVE LISLE, IL 60532 patrickengineering.com	USER NAME = PLOT SCALE = PLOT DATE =	DESIGNED - AY DRAWN - AY CHECKED - AD DATE - 12/10/2012	REVISED REVISED REVISED REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN AND ELEVATION RETAINING WALL A STRUCTURE NO. 016-W004	F.A.U. RTE. = 2746	SECTION = 1616B	COUNTY = COOK	TOTAL SHEETS = 368	SHEET NO. = 292
	SCALE: NONE SHEET NO. SA1 OF SA8 SHEETS					CONTRACT NO. 60J14 ILLINOIS FED. AID PROJECT				