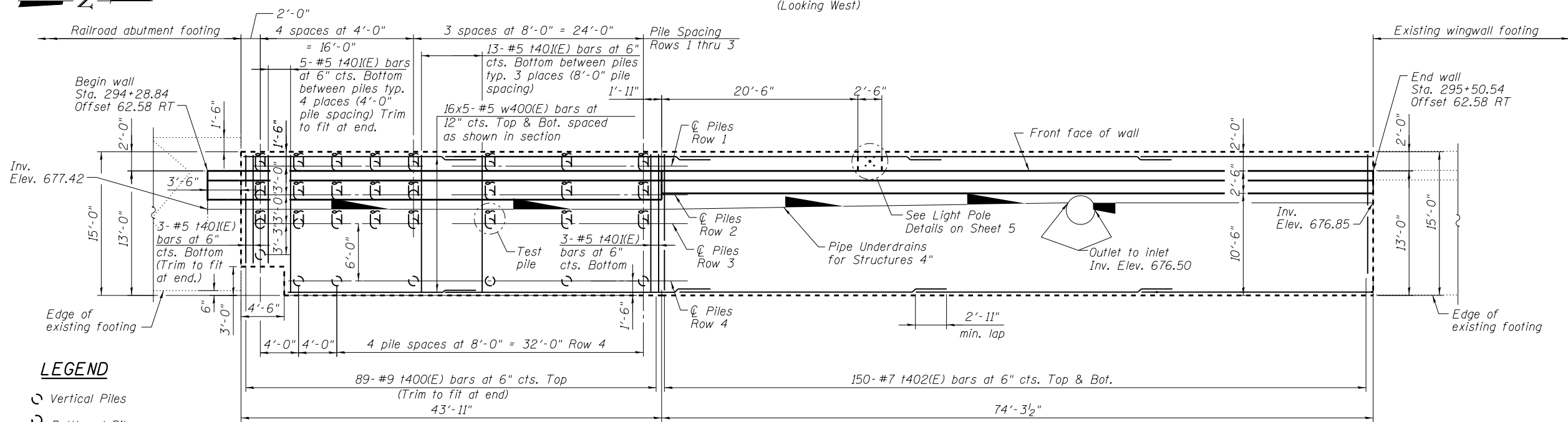


PIPE PENETRATION DETAIL



PILE DATA

Type: Metal Shell 14" ϕ w/0.25" walls
 Nominal Required Bearing: 360 kips
 Allowable Resistance Available: 120 kips
 Est. Length: 32' (Vertical)
 Est. Length: 34' (Battered)
 No. Production Piles: 30
 No. Test Piles: 1

Notes:
 Wall stations, offsets and dimensions are measured at front face of wall.
 All exposed corners shall have a 1" chamfer.
 For Sections see Sheet 4.
 For Bar Cutting Diagrams and Bill of Material see Sheet 5.
 For Railing Details see Sheet 7.
 For Light Pole Details see Sheet 5.

LEGEND
 Vertical Piles
 Battered Piles

100 S. WACKER DR.
 CHICAGO, IL 60606
 TEL (312) 939-1000
 FAX (312) 939-4998
URS

FILE NAME = 0162004-60M62-003-pln.dgn	USER NAME = Anthony.Plutz	DESIGNED - MJL	REvised -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RETAINING WALL PLAN AND ELEVATION STRUCTURE NO. 016-2004	F.A.P. RTE. 330	SECTION 103R-5	COUNTY COOK	TOTAL SHEETS 778	SHEET NO. 412	
PLOT SCALE = 1/2" = 1'-0"	PLOT DATE = 3/13/2013	CHECKED - NPP	REvised -			CONTRACT NO. 60M62					
		DRAWN - AMV	REvised -			SHEET NO. 3 OF 10 SHEETS					
		CHECKED - MJL	REvised -			ILLINOIS FED. AID PROJECT					