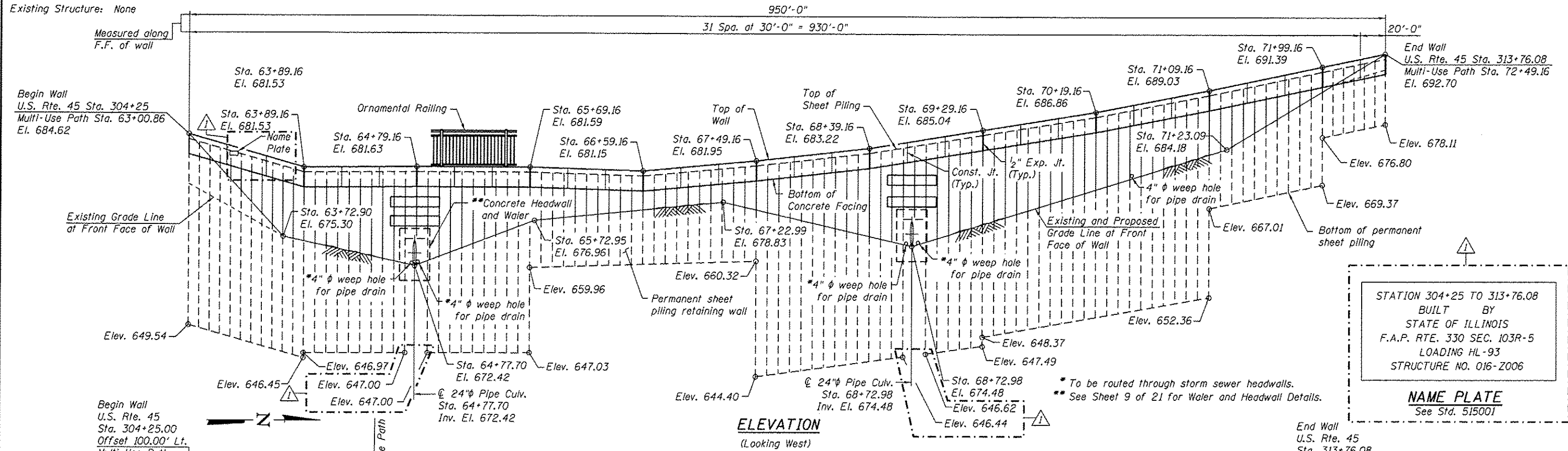
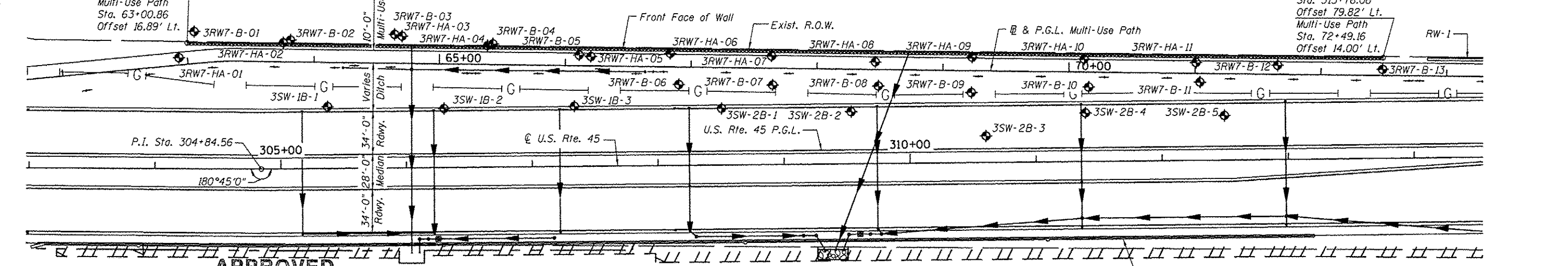


Bench Mark: Elev. 689.00 Top of brass survey monument located at the west edge of the LaGrange Road southbound pavement, 600 feet north of the SouthWest Highway bridge.

Existing Structure: None



STATION 304+25 TO 313+76.08  
 BUILT BY  
 STATE OF ILLINOIS  
 F.A.P. RTE. 330 SEC. 103R-5  
 LOADING HL-93  
 STRUCTURE NO. 016-Z006  
**NAME PLATE**  
 See Std. 515001



**APPROVED**  
 For Structural Adequacy Only

*De Carl Perry*  
 Engineer of Bridges & Structures



*Arsalan Khan*  
 ARSALAN M. KHAN, S.E.  
 LICENSE NO.: 081-006258  
 EXPIRES: NOVEMBER 30, 2014  
 DATE: 04-11-2013

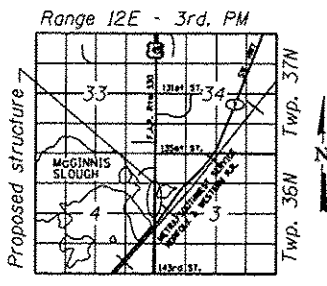
**DESIGN SPECIFICATIONS**  
 2012 AASHTO LRFD Bridge Design Specifications,  
 6th Edition

**DESIGN STRESSES**  
 FIELD UNITS  
 $f'_c = 3,500$  psi  
 $f_y = 60,000$  psi (Reinforcement)  
 $f_y = 50,000$  psi (ASTM A 572 Grade 50 Sheet Piling)  
 $f_y = 50,000$  psi (AASHTO M 270 Grade 50W Walers)

Note:  
 Wall offsets are measured from the  $\odot$  U.S. Rte. 45 & the  $\odot$  Multi-Use Path to the front face of wall.

**LEGEND**  
 - Ditch Flow Line  
 - Exist. Gas Line  
 • Prop. Drainage Structure  
 - Prop. Storm Sewer/Pipe Culvert  
 • Soil Boring  
 F.F.=Front Face  
 B.F.=Back Face  
 E.F.=Each Face  
 I.F.=Inside Face  
 O.F.=Outside Face

**CURVE DATA**  
 P.I. STA. = 63+26.57  
 $\Delta = 5^\circ 03' 32''$   
 $R = 245.00'$   
 P.C. STA. = 63+13.25  
 P.T. STA. = 63+39.87



**LOCATION SKETCH**

**GENERAL PLAN & ELEVATION**  
**U.S. ROUTE 45 - LAGRANGE ROAD**  
 F.A.P. RTE. 330 SEC. 103R-5  
 COOK COUNTY  
 STATION 304+25.00 TO 313+76.08  
 STRUCTURE NO. 016-Z006

URS  
 100 S. WACKER DR.  
 SUITE 500  
 CHICAGO, IL 60606  
 TEL: (312) 999-0000  
 FAX: (312) 999-4999

FILE NAME : 016Z006-60M62-001-GPC.dgn	USER NAME : arsalan.khan	DESIGNED - PMH	REVISD - 04/12/2013 P.M.H	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	F.A.P. RTE. 330	SECTION 103R-5	COUNTY COOK	TOTAL SHEETS 778	SHEET NO. 441	
PLOT SCALE : 0.01250019 1" = 16'	DRAWN - PMH	CHECKED - AMK	REVISD -		SHEET NO. 1 OF 21 SHEETS		CONTRACT NO. 60M62		ILLINOIS FED. AID PROJECT	
PLOT DATE : 4/11/2013	CHECKED - AMK	REVISD -	REVISD -							