

Bench Mark: BM #224 4059+52.34' LT  
 DuPage County survey disk at north end of the west bridge wall,  
 IL Rte 59 over Interstate Route 88, Elev. 731.43

Existing Structure: None

**INDEX OF DRAWINGS**

SHT NO.	TITLE
SC-01	General Plan and Elevation
SC-02	Total Bill of Material & Miscellaneous Details
SC-03	Plan & Elevation - Panels A & B
SC-04	Plan & Elevation - Panels C & D
SC-05	Plan & Elevation - Panels E, F & G
SC-06	Wall Sections and Details
SC-07	Architectural Finish and Joint Details
SC-08	Pile Splice Details
SC-09	Soil Boring Logs
SC-10	Soil Boring Logs

**CURVE DATA**

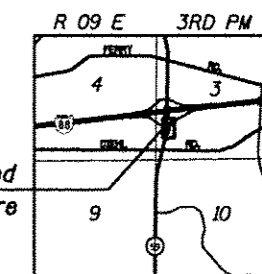
Curve 59INTNB-2	Curve 59INTNB-3
Δ = 2° 52' 51" (LT)	Δ = 20° 56' 44" (LT)
D = 0° 43' 15"	D = 17° 09' 16"
R = 7,947.84'	R = 334.00'
T = 199.84'	T = 61.74'
L = 399.60'	L = 122.10'
E = 2.51'	E = 5.66'
SE = Normal Crown	SE = Normal Crown
PC STA. 910+05.72	PC STA. 914+05.32
PT STA. 914+05.32	PT STA. 915+27.42
PI STA. 912+05.56	PI STA. 914+67.06

Wall W064  
 (Offsets from NB IL Rte. 59 to F.F. of wall)  
 POT "A"  
 Sta. 0+00.00 - @ Wall W064 =  
 Sta. 910+90.92, 76.47' Rt. - @ NB IL Rte. 59  
 POT "B"  
 Sta. 2+11.67 - @ Wall W064 =  
 Sta. 912+99.17, 98.36' Rt. - @ NB IL Rte. 59  
 POT "C"  
 Sta. 3+40.50 - @ Wall W064 =  
 Sta. 914+21.95, 89.45' Rt. - @ NB IL Rte. 59  
 POT "D"  
 Sta. 3+85.00 - @ Wall W064 =  
 Sta. 914+50.66, 113.55' Rt. - @ NB IL Rte. 59  
 POT "E"  
 Sta. 4+33.50 - @ Wall W064 =  
 Sta. 914+66.86, 156.40' Rt. - @ NB IL Rte. 59

**DESIGN STRESSES**

**FIELD UNITS**

f<sub>c</sub> = 3,500 psi  
 f<sub>y</sub> = 60,000 psi (reinforcement)  
 f<sub>y</sub> = 50,000 psi (AASHTO M270 Gr. 50)



**LOCATION SKETCH**

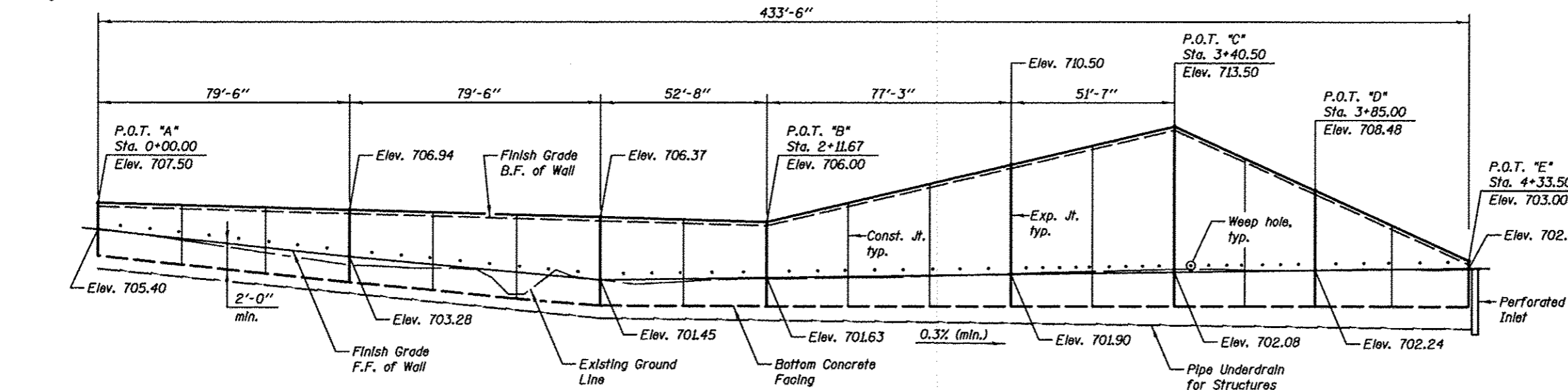
**GENERAL PLAN AND ELEVATION**  
 ILLINOIS ROUTE 59 F.A.P. RTE. 338

SEC. (112 & 113) WRS-5

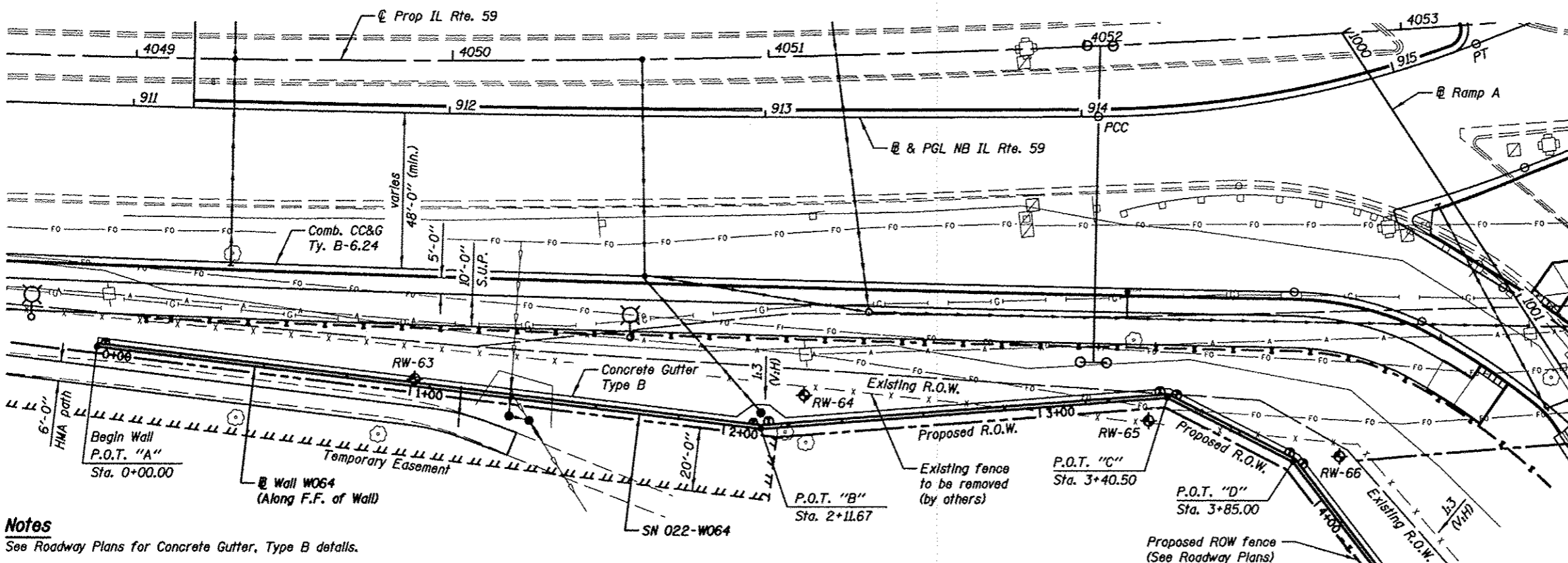
DUPAGE COUNTY

STA. 4048+90 TO STA. 4052+85

STRUCTURE NO. 022-W064



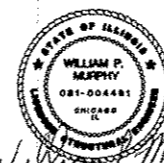
**ELEVATION**



**PLAN**

**APPROVED**  
 For Structural Adequacy Only

*D. Carl Dumas*  
 Engineer of Bridges & Structures



Expires 11-30-2012

Date: 10/15/2012

for drawings  
 SC-01 thru SC-10

**DESIGN SPECIFICATIONS**

2012 AASHTO LRFD Bridge Design Specifications  
 6th Edition, with 2012 Interim Revisions

**Notes**

See Roadway Plans for Concrete Gutter, Type B details.

See Roadway Drainage Plans for Drainage Structure Locations.

Existing utilities, including gas, fiber optic and electric aerial lines to be adjusted or relocated as required.

Piles may need to be spliced to avoid existing or relocated aerial lines. See Sheet SC-08 for pile splice detail. Cost of pile splicing shall be included in the cost of Furnishing Soldier Piles.

**Legend**

Soil Borings  
 F.F. Front Face  
 B.F. Back Face  
 S.U.P. Shared Use Path

**KNIGHT**  
 Engineers & Architects

DESIGNED - TB	REVISD
CHECKED - WPM	REVISD
DRAWN - TB	REVISD
CHECKED - WPM	REVISD

SCALE - NONE	REVISD
DATE - 10/15/2012	REVISD

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION  
 STRUCTURE NUMBER 022-W064

SHEET NO. SC-01 OF 10 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	652

CONTRACT NO. 60131