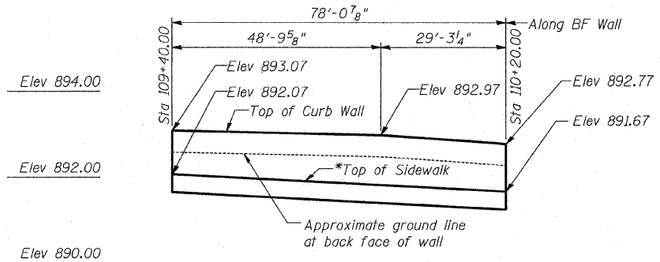
Benchmark: BM #12 Cut "□" on a Traffic Signal Base at the Northwest corner of Il Route 47 and Algonquin Road.
Elev = 893.714

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

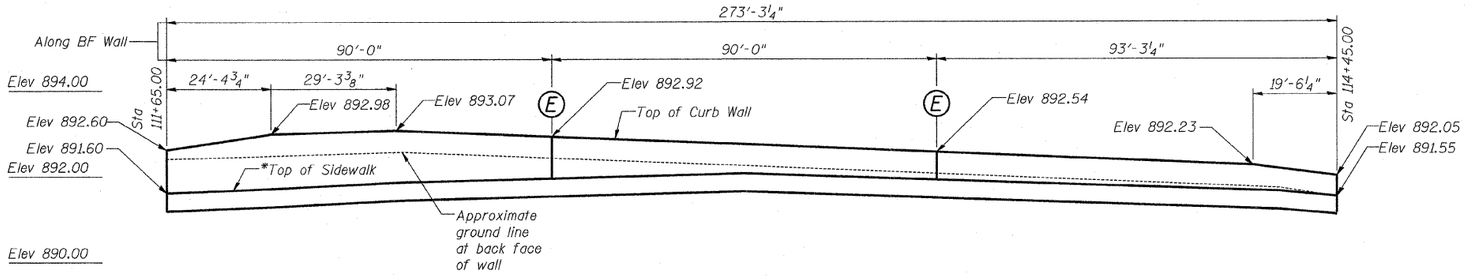
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 326	★	McHENRY	502	358
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 1
4 SHEETS

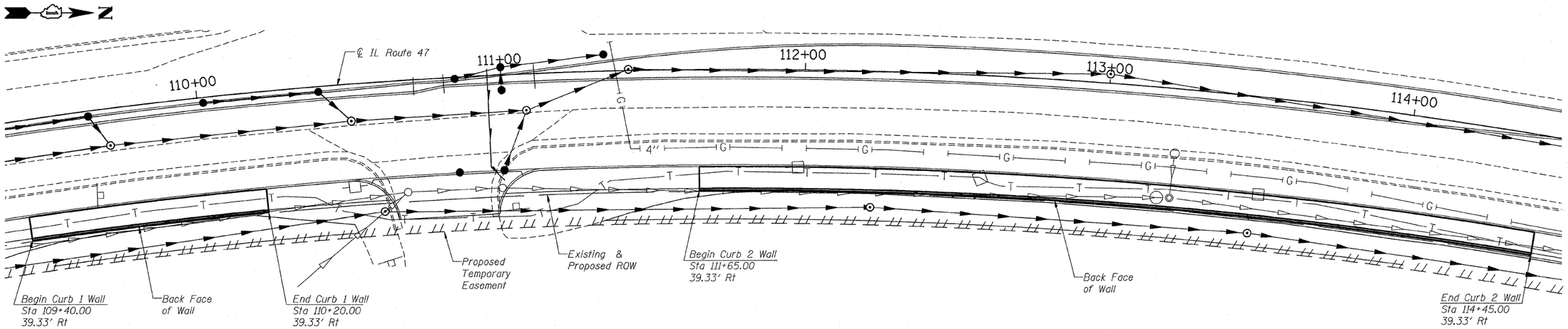
Contract No. 62882
★(105X & 106) WRS-2



CURB WALL 1



CURB WALL 2

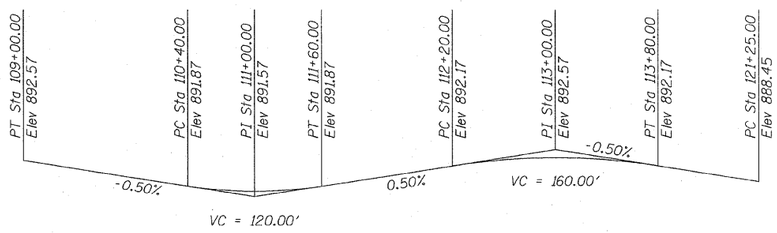


PLAN

HORIZONTAL CURVE DATA

(CURVE P-6)

Δ = 37° 26' 00" (Rt)
D = 3° 29' 59"
T = 554.66'
L = 1,069.58'
E = 26.97'
R = 1,637.10'
e = 0.034'
P.C. = Sta. 105+87.41
P.T. = Sta. 116+56.99
P.I. = Sta. 111+42.07



PROFILE GRADE IL ROUTE 47

LEGEND:

Ⓔ Expansion Joint in wall stem. (See Sheet 2 of 4 for detail)
4" 4" Existing Gas
Existing Storm drainage
Proposed Storm drainage
Existing Sign
Existing Power Pole

NOTE:

*Top of Sidewalk Elevation varies along length to match profile Grade Line. See Roadway drawings for details

DESIGN SPECIFICATIONS

AASHTO 2002 Standard Specification for Highway Bridges.

DESIGN STRESSES

f'c = 3,500 PSI
fy = 60,000 PSI
Maximum Allowable Soil Bearing Pressure = 2,000 PSF

DESIGNED	NDR
CHECKED	DSE
DRAWN	RTT
CHECKED	DSE
DATE:	Aug. 5, 2009

STATE OF ILLINOIS
D. SCOTT ESHLEMAN
081-005155
CHICAGO
REGISTERED STRUCTURAL ENGINEER
EXPIRATION DATE: 11-30-2010
DATE: 8/5/09

Proposed Structure
R 7E
3rd PM
Reed Rd
Algonquin Rd
Huntley Rd
McHENRY
29
28
32
33
Twp. 43N
N

LOCATION SKETCH

Stanley Consultants INC.
8501 West Higgins Road, Suite 730, Chicago, Illinois 60631-2801
www.stanleyconsultants.com
Illinois Firm Registration No.: 1184-001533

GENERAL PLAN & ELEVATION
IL ROUTE 47
CURB WALLS 1 AND 2
F.A.P. 326-SECT.(105X & 106) WRS-2
McHENRY COUNTY
STATIONS 109+80.00 & 113+05.00