

Bench Mark: Chiseled "□" on Sign Station 1124+07.90, 49.2' Rt. El. = 661.28
Existing Structure: None

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

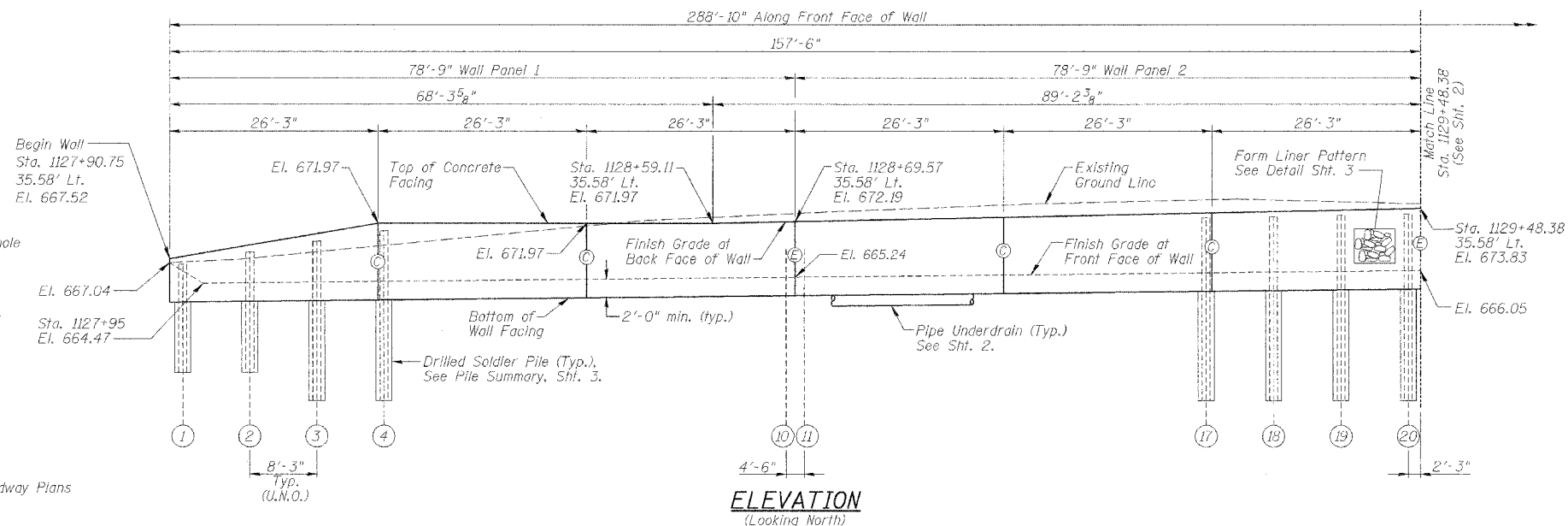
PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 309	16R-2	WHITESIDE	547	154
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 1
13 SHEETS

Contract No. 64969

LEGEND

- Existing Roadway
- Sign Post
- Power Pole
- Light Pole
- Telephone Pole
- Telephone Splice Box
- Telephone Double Handhole
- Fire Hydrant
- Manhole
- Inlet
- Existing Sanitary Sewer
- Existing Telephone
- Existing Electric
- Existing Water Main
- Existing Storm Sewer
- Construction Joint
- Expansion Joint
- Pile Designation
- Soil Borings
- Tree Removal. See Roadway Plans



DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications For Highway Bridges

DESIGN STRESSES

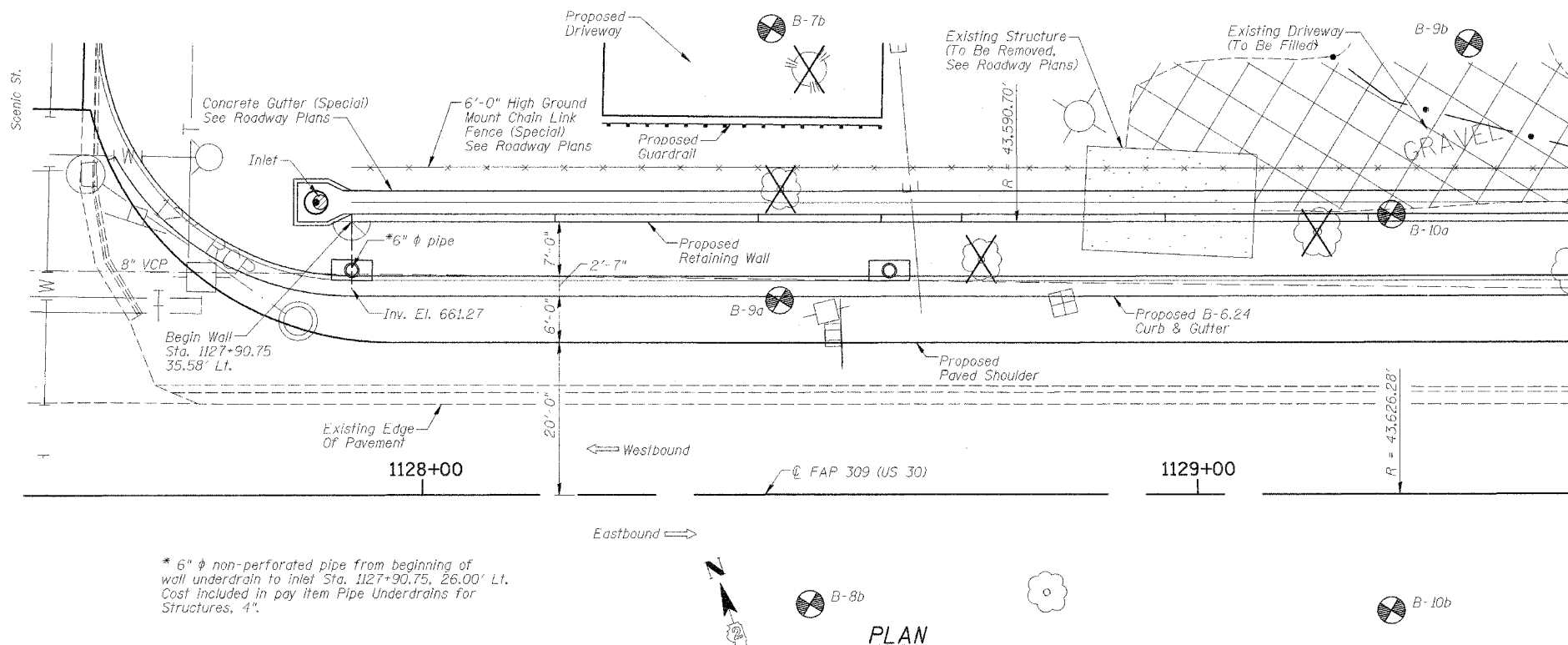
FIELD UNITS
f'c = 3,500 psi
fy = 60,000 PSI (reinforcement)
fy = 36,000 PSI (M270 Gr. 36 structural steel)

CURVE DATA

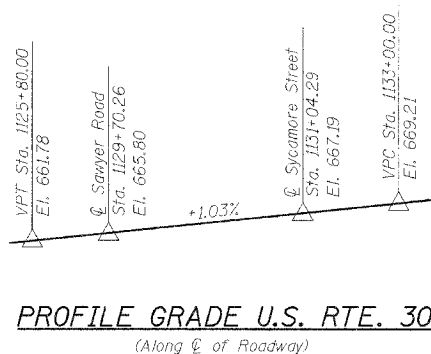
P1 STA. = 1127+20.50
Δ = 1° 03' 02.29" (LT)
D = 0° 07' 52.80"
R = 43,626.28'
T = 400.00'
L = 799.97'
E = 1.83'
P.C. STA. = 1123+20.50
P.T. STA. = 1131+20.48

INDEX OF SHEETS

Sht. #	Title
1	General Plan
2	General Plan & Section
3	General Notes, Details, & Total Bill of Material
4	Soldier Pile Wall Panel 1
5	Soldier Pile Wall Panel 2
6	Soldier Pile Wall Panel 3
7	Soldier Pile Wall Panel 4
8	Concrete Facing for Soldier Pile Walls
9-13	Boring Logs

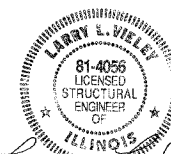


* 6" φ non-perforated pipe from beginning of wall underdrain to inlet Sta. 1127+90.75, 26.00' Lt. Cost included in pay item Pipe Underdrains for Structures, 4".



APPROVED
FOR STRUCTURAL ADEQUACY ONLY

Ralph C. Anderson
ENGINEER OF BRIDGES AND STRUCTURES



Larry L. Vieley
Illinois Licensed Structural Engineer No. 081-004056
Lic. Expires: 11/30/06

12/08/05
Date

GENERAL PLAN
RETAINING WALL NO. 1
U.S. RTE. 30 (LINCOLN HIGHWAY)
BETWEEN SCENIC ST. & SYCAMORE ST.
F.A.P. ROUTE 309 SECTION 16 R-2
WHITESIDE COUNTY
STA. 1127+90.75 TO
STA. 1130+75.26 (LT.)
STRUCTURE NO. 098-7001

STS CONSULTANTS
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Peoria, Illinois 61602
Ph (309) 676-8464
FAX (309) 676-5445
IL Design Firm Reg. No. 184-001518

DESIGNED	LLV
CHECKED	PJL
DRAWN	MGM
CHECKED	LLV

Notes:

- Expansion joints shall be provided at 78'-9" intervals, U.N.O.
- Construction joints shall be provided at 26'-3" intervals, U.N.O. Reinforcing steel shall be placed continuously through construction joints.
- All offsets shown to front face of wall at finish grade level from C of U.S. Rte. 30.