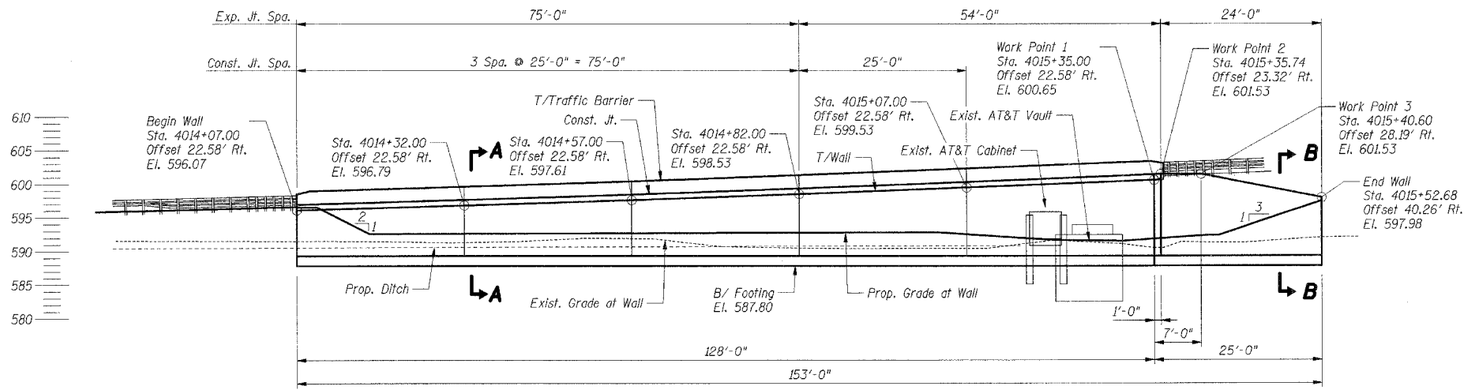
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
59	*	WILL	608	377
STA.		TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

* (26, 26HB-1 & 114) R-2
CONTRACT NO. 60363

BENCHMARK: TBM#3: Square cut on top of box culvert headwall (near center of the headwall) at the northwest corner of the intersection of Seil Rd. and West Frontage Rd. Elev. 591.70

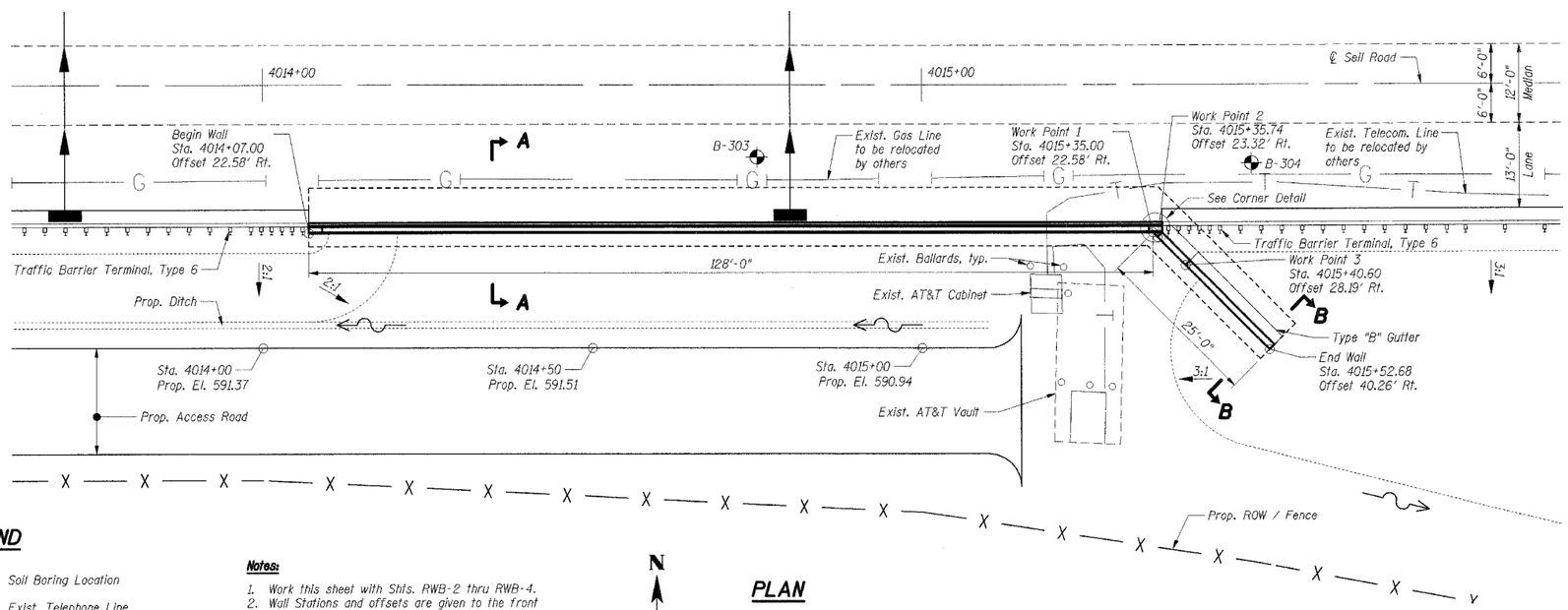
EXIST. STRUCTURE: None.

STAGING: None - traffic on Seil Road is to be re-routed on a temporary run-around. See roadway plans.



DEVELOPED ELEVATION

(Developed along Front Face of wall)



PLAN

LEGEND

- Soil Boring Location
- Exist. Telephone Line
- Exist. Gas Line
- Prop. Storm Sewer
- Prop. Inlet

Notes:

1. Work this sheet with Shts. RWB-2 thru RWB-4.
2. Wall Stations and offsets are given to the front face of wall and are measured from ℄ Seil Rd.
3. Const. Jt. denotes Construction Joint
   Exp. Jt. denotes Expansion Joint

HIGHWAY CLASSIFICATION

SEIL ROAD

Functional Class: Urban Collector
ADT: 2,000 (1999)
3,000 (2020)
DHV: 300 (2020)
ADTT: n/a
Design Speed: 35 mph
Posted Speed: 30 mph

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications for Highway Bridges

LOADING

Apply 10k impact to traffic barrier

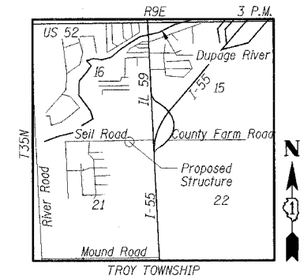
DESIGN STRESSES

FIELD UNITS

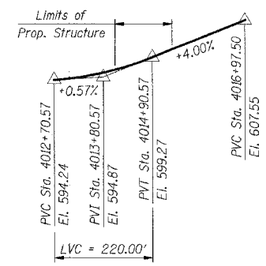
f'c = 3,500 psi
fy = 60,000 psi (reinforcement)

INDEX OF SHEETS

RWB-1 GENERAL PLAN & ELEVATION
RWB-2 PLAN & ELEVATION
RWB-3 SECTIONS & DETAILS
RWB-4 SOIL BORING LOGS

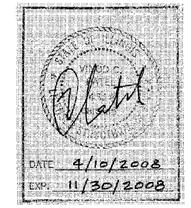


LOCATION MAP



PROFILE GRADE
ILLINOIS ROUTE 59

(Along ℄ Roadway)



GENERAL NOTES

1. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60 (IL Modified). See Special Provisions.
2. Reinforcement Bars Designated (E) shall be epoxy coated.
3. Slipforming of the parapets is not allowed.

TOTAL BILL OF MATERIAL

DESCRIPTION	UNIT	TOTAL
Porous Granular Embankment (Special)	Cu. Yd.	86
Structure Excavation	Cu. Yd.	272
Concrete Structures	Cu. Yd.	160.7
Protective Coat	Sq. Yd.	54
Rustication Finish	Sq. Ft.	1,422
Reinforcement Bars, Epoxy Coated	Lbs.	15,210
Geocomposite Wall Drain	Sq. Yd.	63

SHT. RWB-1 OF RWB-4

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.P. ROUTE 338 (ILLINOIS ROUTE 59)
SEIL ROAD RETAINING WALL
SECTION (26, 26HB-1 & 114) R-2
STRUCTURE NUMBER 099-W023
STATION 4014+07 TO STATION 4015+54, WILL COUNTY

GENERAL PLAN & ELEVATION

DATE: 03/14/08
DRAWN BY: MDB
CHECKED BY:

TENG
TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
225 N. MICHIGAN AVE. CHICAGO, IL 60601
TELEPHONE 312/616-0300

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