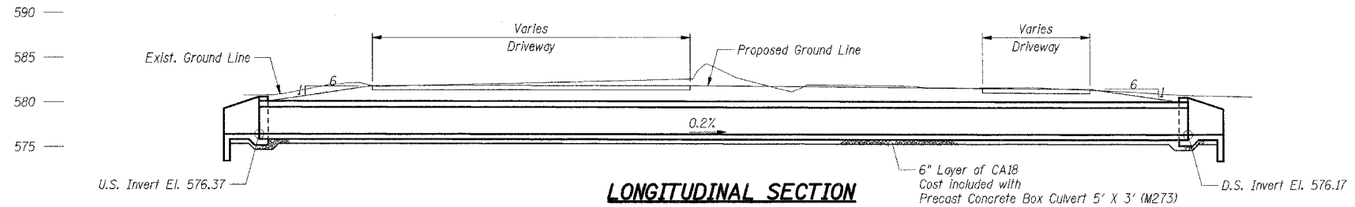
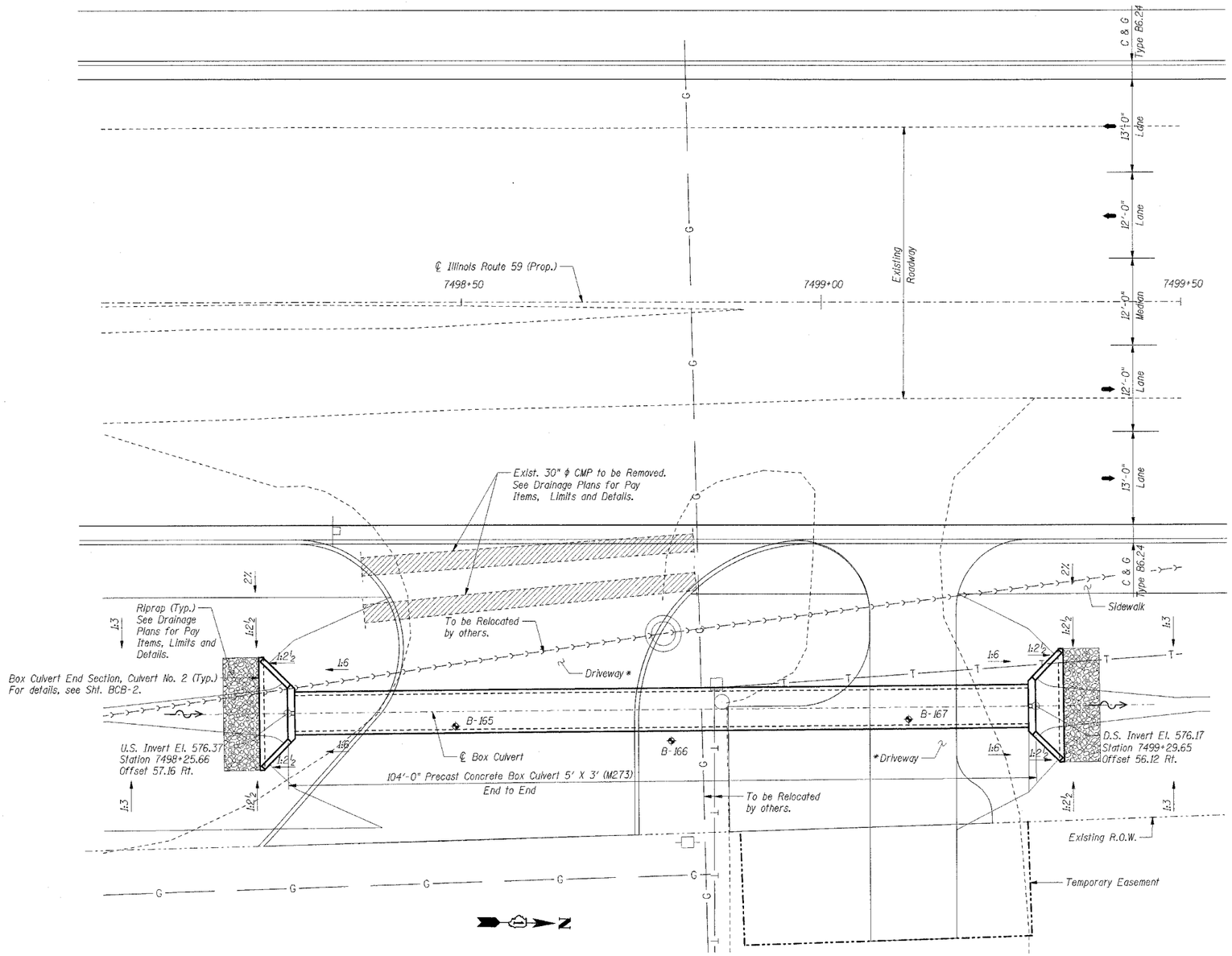
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
59	*	WILL	608	381
STA.		TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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



LONGITUDINAL SECTION



PLAN - CULVERT NO. 2

INDEX OF SHEETS

BCB-1 GENERAL PLAN AND ELEVATION
BCB-2 BOX CULVERT END SECTIONS
BCB-3 SOIL BORING LOGS

*** STAGE CONSTRUCTION:**

Access to both driveways must be maintained at all times.

BENCHMARKS:

TBM#3 Square cut on top of culvert headwall at the northwest corner of the intersection of Seil Road and West Frontage Road. El. 591.70.

EXISTING STRUCTURE:

None.

SALVAGE:

None.

STAGING:

Access to private properties to be maintained using stage construction of the box culvert.

DESIGN SPECIFICATIONS:

2002 AASHTO Standard Specifications for Highway Bridges

DESIGN LOADING:

Roadway Live Load: HS20-44
Future Wearing Surface = 50 psf

DESIGN STRESSES:

Concrete: f'c = 5,000 psi (Precast Box Culvert)
f'c = 3,500 psi (Other)
Reinforcement: fy = 60,000 psi

GENERAL NOTES:

Cast-in-Place Concrete
All exposed concrete edges shall have a ¾" chamfer unless noted otherwise. Chamfer on vertical edges shall be continued a minimum of one foot below finished ground level.

Reinforcement Bars
Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60 (IL Modified). See Special Provisions.

Construction
For backfilling and embankment, see Standard Specifications.

Precast Box Culvert sections shall conform to the requirements of Article 540.06 of the Standard Specifications and the applicable requirements of AASHTO M 273.

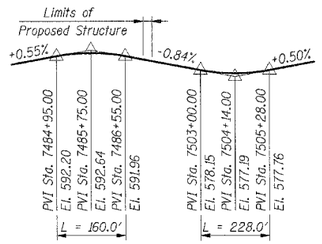
Lifting holes shall be filled with concrete plugs and mastic after box sections are in place.

All construction joints shall be bonded.

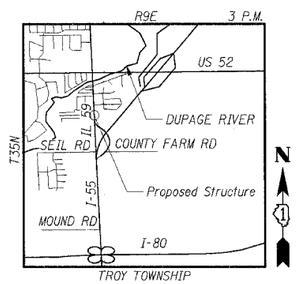
STATE OF ILLINOIS
DANIEL J. SMITH
062-053777
REGISTERED PROFESSIONAL ENGINEER
DATE 4/10/2008
EXP. 11/30/2008

TOTAL BILL OF MATERIAL

DESCRIPTION	UNIT	TOTAL
Porous Granular Embankment	Cu. Yd.	136
Box Culvert End Section, Culvert No. 2	Each	2
Precast Concrete Box Culvert 5' X 3' (M273)	Ft.	104



PROFILE GRADE
ILLINOIS ROUTE 59
(Along ℄ Roadway)



LOCATION MAP

LEGEND

- Soil Boring Location
- Exist. Telephone Line
- Exist. Gas Line
- Exist. Water Line
- Exist. Electrical Pole
- Exist. Sanitary Sewer

SHT. BCB-1 OF BCB-3

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.P. ROUTE 338 (ILLINOIS ROUTE 59)
IL ROUTE 59 SINGLE BOX CULVERT
SECTION (26, 26HB-1 & 114) R-2
STRUCTURE NUMBER 099-C004
STATION 7498+38 TO 7499+26, WILL COUNTY

GENERAL PLAN AND ELEVATION

DRAWN BY: MPM
DATE: 03/14/08 CHECKED BY: TMH

TENG

TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
188 W. WASHINGTON AVE. CHICAGO, IL 60601
TELEPHONE: 312/616-0600

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