BENCHMARK:
TBM "M" Chiseled square cut in southwest wingwall of existing IL Rte 83 (Torrence Avenue) bridge over I-80. El. 188.209

EXISTING STRUCTURE:
Single 1.2 m x 0.9 m x 86 m (Approx.) long Concrete Box Culvert.
Route/ Section and date built are unknown.

STAGING:
Traffic to be maintained utilizing staged construction.
See Sheet BC-04.

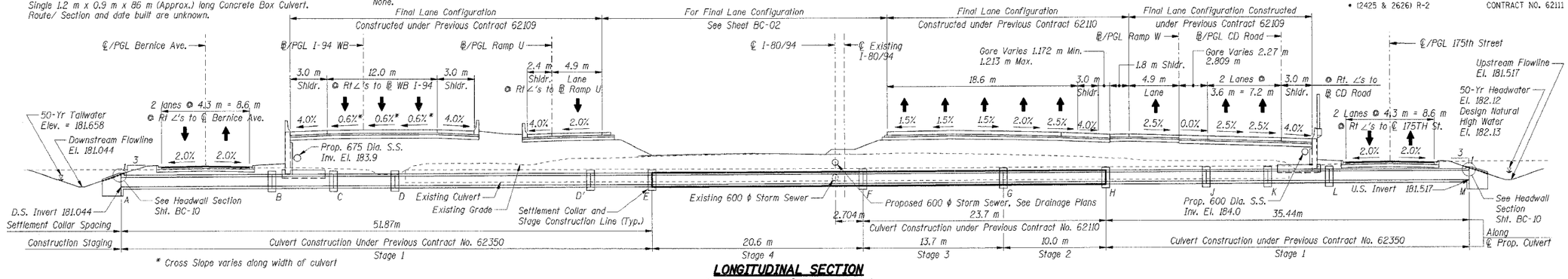
SALVAGE:
None.

DESIGN SPECIFICATIONS:
2002 AASHTO Standard Specifications for Highway Bridges.

DESIGN LOADING:
Roadway Live Loads HS20-44 & Alt.
Future Wearing Surface = 2.4 kN/m²
Precast alternate not allowed.

DESIGN STRESSES:
Concrete, f'c = 24 MPa
Reinforcement, fy = 420 MPa

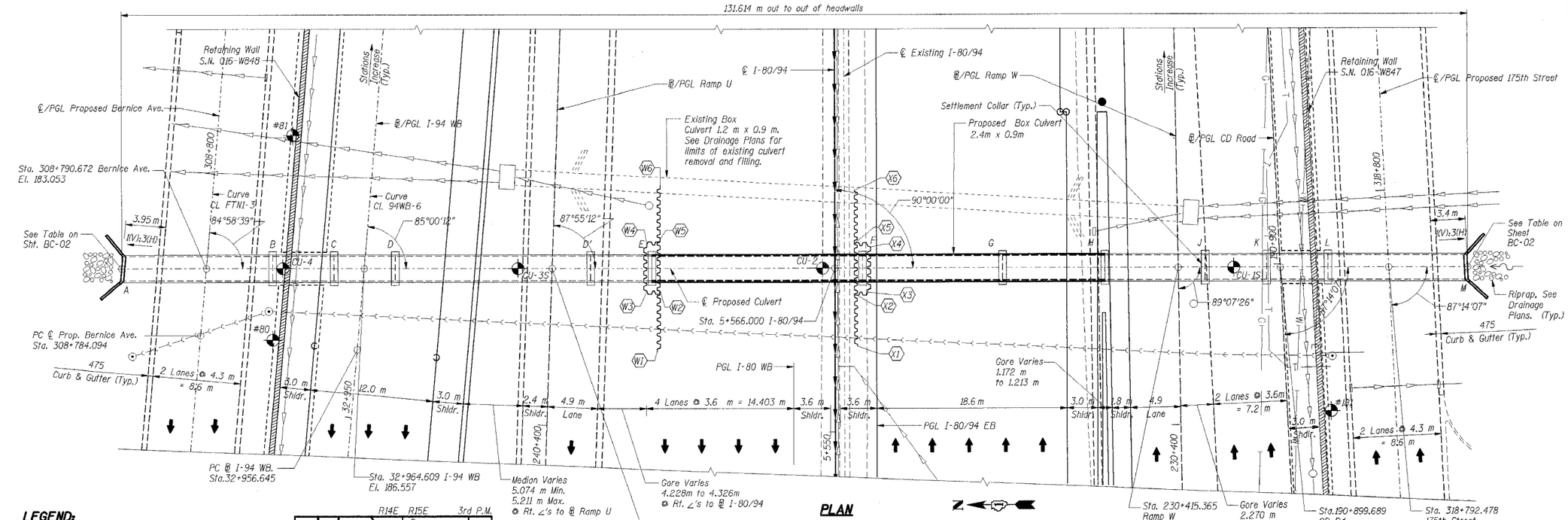
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	•	COOK	631	339A
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• (2425 & 2626) R-2	CONTRACT NO. 62111			



* Cross Slope varies along width of culvert

LONGITUDINAL SECTION

(Looking East along ℄ Proposed Culvert)

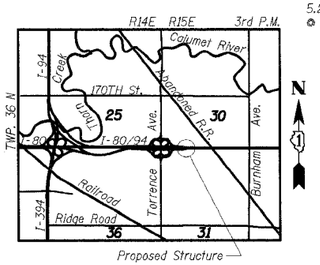


PLAN

(Final Lane Configuration at completion of This Contract)

LEGEND:

Existing	Proposed	
		Storm Sewer
		Combined Sewer
○	●	Catch Basin
⊙	●	Manhole
▭	▬	Inlet
▨		Retaining Wall
		Pavement
→G←		Gas Main
→W←		Water Main
→E←		Buried Electric
→T←		Telephone
		Temporary Soil Retention System



LOCATION MAP

Notes:
1. See Sht. BC-02 for Index of Sheets.
2. For Temporary Soil Retention System workpoints, see Sheet BC-02. For additional details, see Sheet BC-05.
3. All dimensions are in millimeters (mm) except as noted.

STATE OF ILLINOIS
VINOD C. PATEL
081-004428
CHICAGO, IL
LICENSED STRUCTURAL ENGINEER
DATE 12/30/2005
EXP. 11/30/2006

SHT. BC-01 OF 11

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (KINGERY EXPRESSWAY)
EB & WB INSIDE LANES (MAINLINE) CONSTRUCTION
BOX CULVERT
STRUCTURE NO. 016-C013 STA. 5+566.000
SECTIONS 2001-167R AND (2425 & 2626) R-1
COOK COUNTY

GENERAL PLAN & LONGITUDINAL SECTION

DRAWN BY: OD
CHECKED BY: MJK
DATE: 1/4/06

TENG
TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
CHICAGO, ILLINOIS

1 Added Sheet 01/04/2006

..\AB990002A.DGN, ..\DR130022A.DGN, ..\DC980902A.DGN, ..\PR390902A.DGN, ..\XR130002A.DGN, ..\DR130032A.DGN, ..\SL996902A.DGN, ..\DR990002A.DGN, ..\HR990222A.DGN, ..\BR990052A.DGN
12-30-2005, 09:32:20 T:\DOCUMENTS\1750\STRUCTURE\BC17002A.DGN VARSHNI.Z
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63