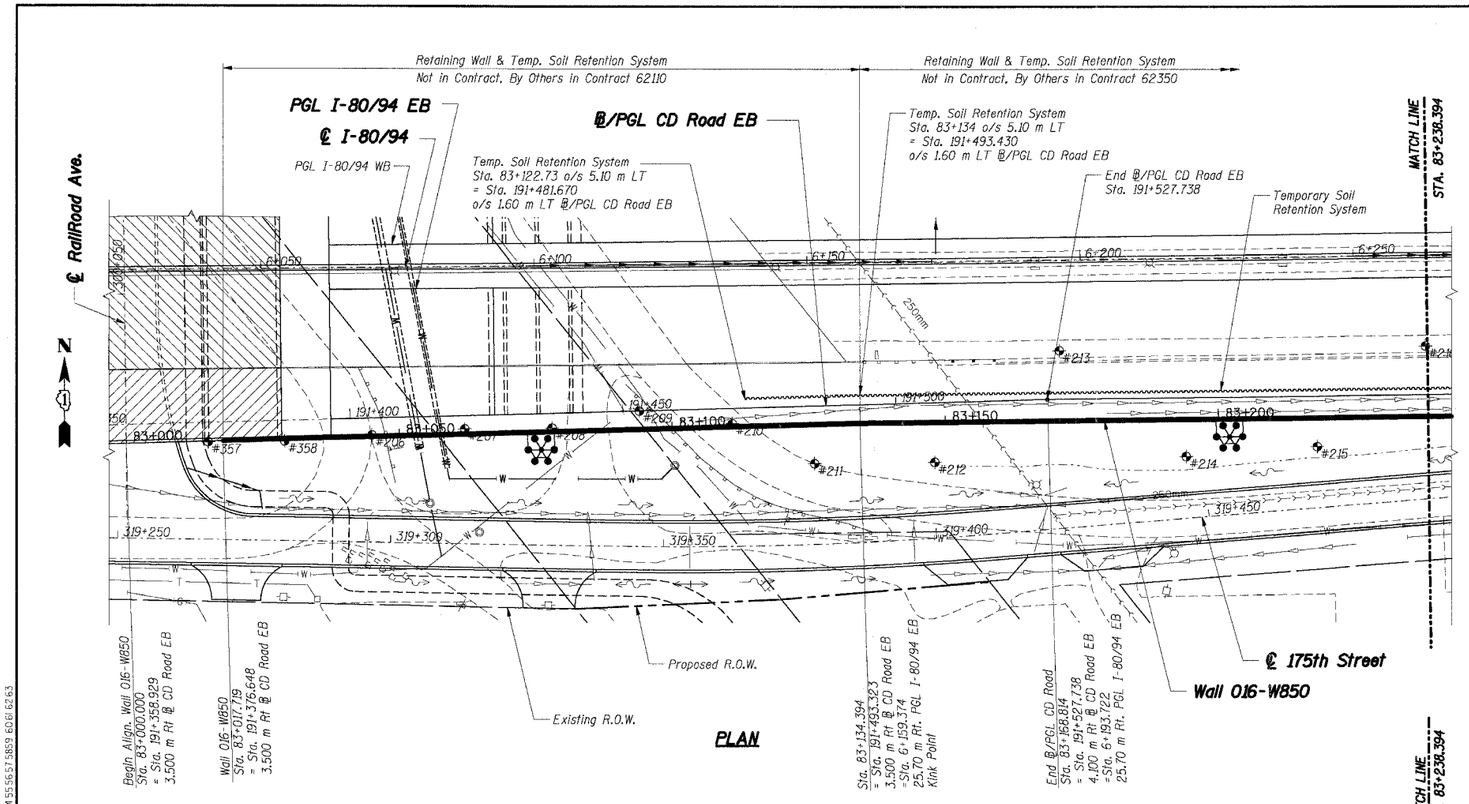
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	631	340
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

* (2425 & 2626) R-2 CONTRACT NO. 62111



DESIGN SPECIFICATIONS:

1996 AASHTO Standard Specifications for Highway Bridges, with 1997 thru 2000 & 2002 Interims.

1989 AASHTO Guide Specifications for Structural Design of Sound Barriers with 1992 Interims.

DESIGN STRESSES:

Concrete, f'c = 24 MPa
Reinforcement, fy = 400 MPa

DESIGN LOADING:

Noise Abatement Wall:
Wind Load: 1.7 kPa
Design Height: 4.15 m measured from Top of Retaining Wall
Limits: Sta. 83+353.294 to Sta. 83+714.485

EXISTING STRUCTURE:

None

BENCHMARK:

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

LEGEND

- High Mast Light Tower, (By Others, Contract No. 62664)
- Existing Storm Sewer
- Proposed Storm Sewer
- Existing Combined Sewer, See Note 6
- #5 Soil Boring
- Proposed Manhole
- Proposed Manhole
- Proposed Catch Basin
- Proposed Inlet
- Rip Rap
- Proposed Retaining Wall
- Proposed Pavement
- Water Main, See Note 6
- Electric, See Note 6
- Proposed R.O.W.
- Existing R.O.W.
- Temporary Soil Retention System
- Proposed Bridge Structure S.N. 016-2792 Constructed in Contract 62110.
- Proposed Bridge Structure Constructed in this Contract.

APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Ralph E. Anderson (TJD)
ENGINEER OF BRIDGES AND STRUCTURES

Notes:

1. All dimensions are measured along front face of retaining wall.
2. Wall alignment offsets are referenced to front face of wall.
3. Work this sheets with RW850-2 and RW850-3.
4. See Sht. RW850-4 for Index of Sheets.
5. See Sht. RW850-2 for Location Map.
6. See Drainage Plans.

STATE OF ILLINOIS
VINOD C. PATEL
081-005628
CHICAGO, IL
LICENSED STRUCTURAL ENGINEER
DATE 7-14-2005
EXP. 11-30-2006

SHT. RW850-1 OF 58

REVISIONS	
NAME	DATE

*** 2001-167R, (2425 & 2626) R-1 AND (2425 & 2626) R-2

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (KINGERY EXPRESSWAY)
EB & WB INSIDE LANES (MAINLINE) CONSTRUCTION
RETAINING WALL - STRUCTURE NO. 016-W850
SECTIONS ***
COOK COUNTY

GENERAL PLAN & ELEVATION I

DATE: 7/18/2005
DRAWN BY:
CHECKED BY: MJK

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

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