

Benchmark: "□" cut on top of southwest wingwall of bridge over Nettie Creek (S.N. 032-0076) El. 536.39.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 51
S. R. L.	①	GRUNDY	86	70	OF 54 SHEETS
F.A.U. 5952					
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

GENERAL NOTES

Protective Coat shall be applied to surfaces of the top and exposed inside face of wall.
 See sheet S2 for Section A-A and Wall Details.
 The limits and quantities of removal and replacement shown are based on the boring data and may be modified by the Engineer for variable subsurface conditions encountered in the field.
 The gradations of the soil used to replace the unsuitable material shall be CA-5 or CA-7. See Special Provisions for Porous Granular Embankment (Special).
 Lateral limits for Removal and Replacement of Unsuitable Material are 2'-0" beyond the footing edge on each side.
 Rustication Finish shall extend a minimum of 1'-0" below finished grade and to 3" from top of wall.
 All cast-in-place stem concrete shall be integrally colored, see Special Provision "Colored Concrete, Cast-In-Place".
 Contractor shall coordinate retaining wall construction with bridge wing wall construction and sequencing as required.

DESIGN SPECIFICATIONS

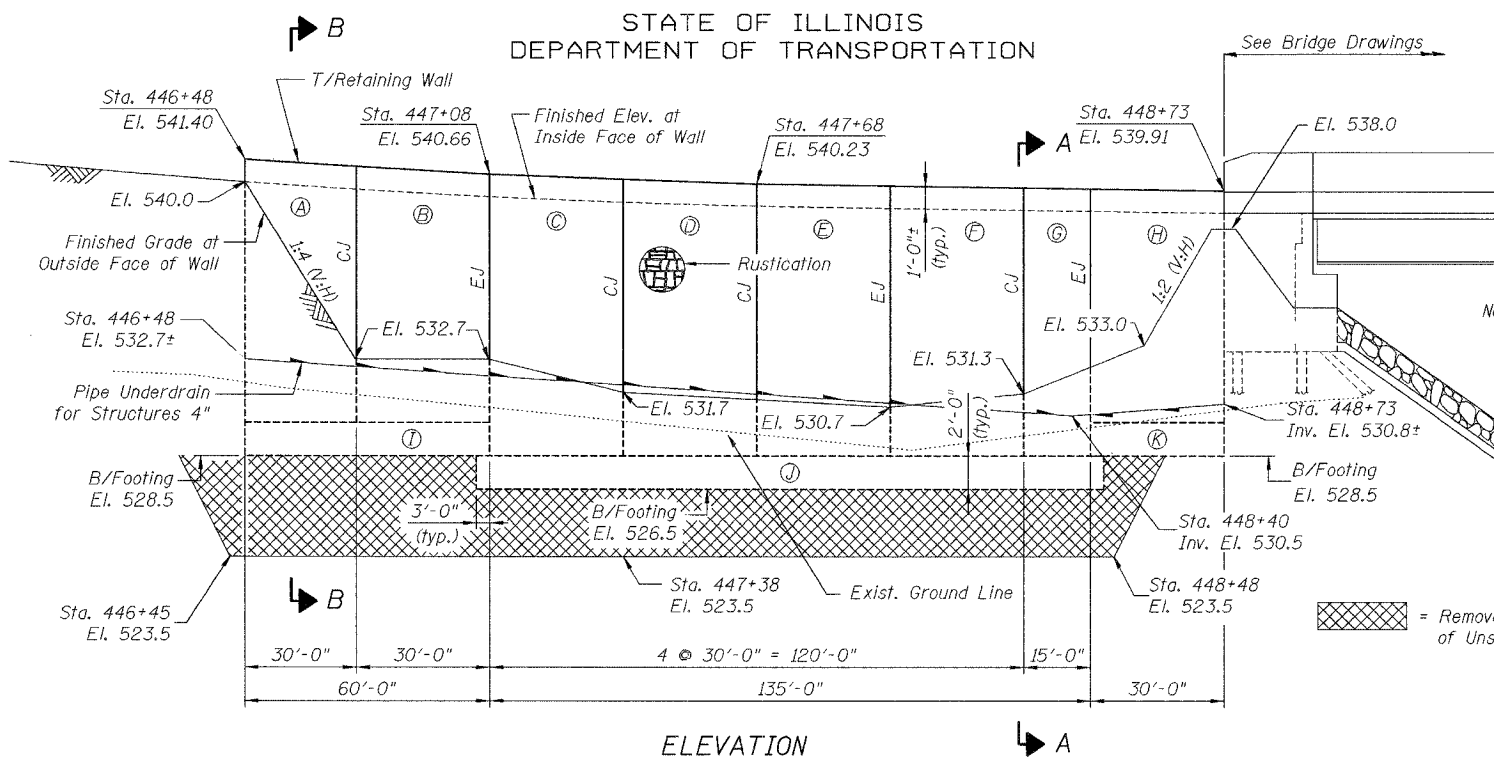
1996 AASHTO with 1997 thru 2002 Interims

DESIGN STRESSES

FIELD UNITS
 $f'_c = 3,500$ psi
 $f_y = 60,000$ psi (reinforcement)

Denotes Soil Boring location

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION



Notes: -CJ and EJ denote Construction Joint and Expansion Joint, respectively.
 -A, B, etc. are labels used for reinforcement detailing.
 (see "Reinf. Details," "Table of Panel Dim." and "Table of Footing Dim.," sht. S2)

APPROVED
 FOR STRUCTURAL ADEQUACY ONLY

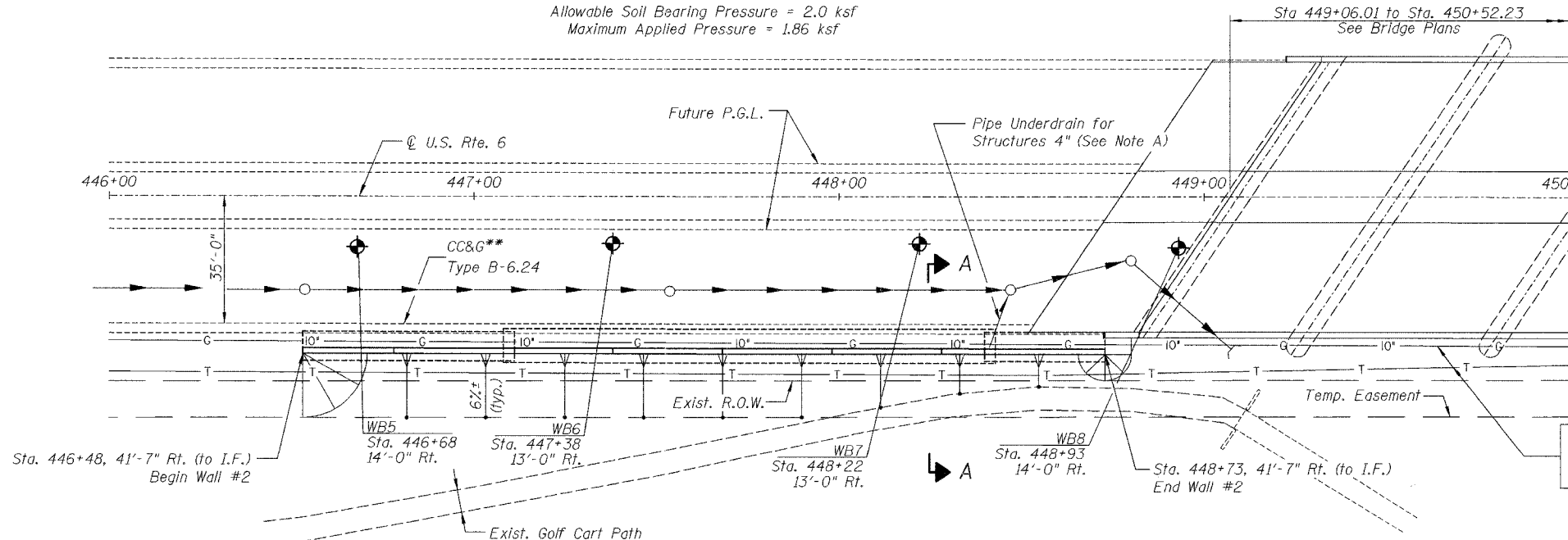
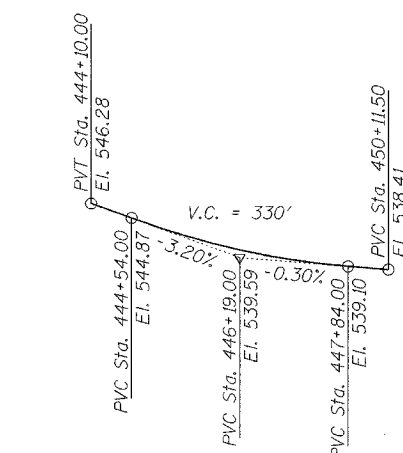
Ralph E. Anderson, P.E.
 ENGINEER OF BRIDGES AND STRUCTURES



Brian L. Umbright
 Date: March 19, 2007

License Expires: November 30, 2008

ELEVATION
 (Looking at Outside Face of Wall)
 Allowable Soil Bearing Pressure = 2.0 ksf
 Maximum Applied Pressure = 1.86 ksf

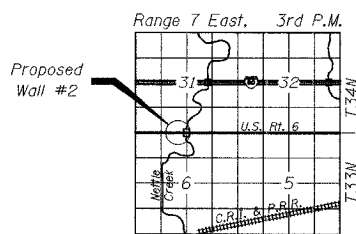


PROFILE GRADE LINE
 9' RT. & LT. OF U.S. ROUTE 6
 Future P.G.L. See Roadway Plans for limits of work this contract.

DESIGNED	BLU
CHECKED	MRM
DRAWN	MRM
CHECKED	BLU

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Structure Excavation	Cu. Yd.	283
Porous Granular Embankment, Special	Cu. Yd.	520
Concrete Structures	Cu. Yd.	250.7
Reinforcement Bars, Epoxy Coated	Pound	24,400
Rustication Finish	Sq. Ft.	1900
Geocomposite Wall Drain	Sq. Yd.	199
Pipe Underdrains for Structures 4"	Foot	240
Removal and Disposal of Unsuitable Material	Cu. Yd.	288
Protective Coat	Sq. Yd.	50



LOCATION SKETCH

Note A:
 Connect to M.H. #3 at Inv. El. 530.2.
 Pipe Underdrains to have 1% minimum slope.

** Plan view shows final future condition, see Roadway Plans and Cross Sections for limits of improvements for this contract.

LEGEND

— T —	Existing Telephone Line
— G —	Existing Gas Line
— S —	Existing Storm Sewer
— P —	Proposed Storm Sewer
— U —	Proposed Underdrain

GENERAL PLAN & ELEVATION
RETAINING WALL #2
STA. 446+48 TO STA. 448+73
U.S. ROUTE 6
FAU 5952-SEC. Q-BR
GRUNDY COUNTY
S.N. 032-8802

BOWMAN, BARETT & ASSOCIATES INC.
 CONSULTING ENGINEERS
 130 E. RANDOLPH STREET
 CHICAGO, ILLINOIS 60601
 JOB NO. 541

