

BENCHMARK

Square cut in the northwest corner of a concrete intake on the south side of Greenwood Avenue East at the west edge of the mobile home park. Station 10+407.6 3.4 m Right of the proposed Greenwood Avenue East alignment. Elevation 249.710.

EXISTING STRUCTURE

No existing structure.

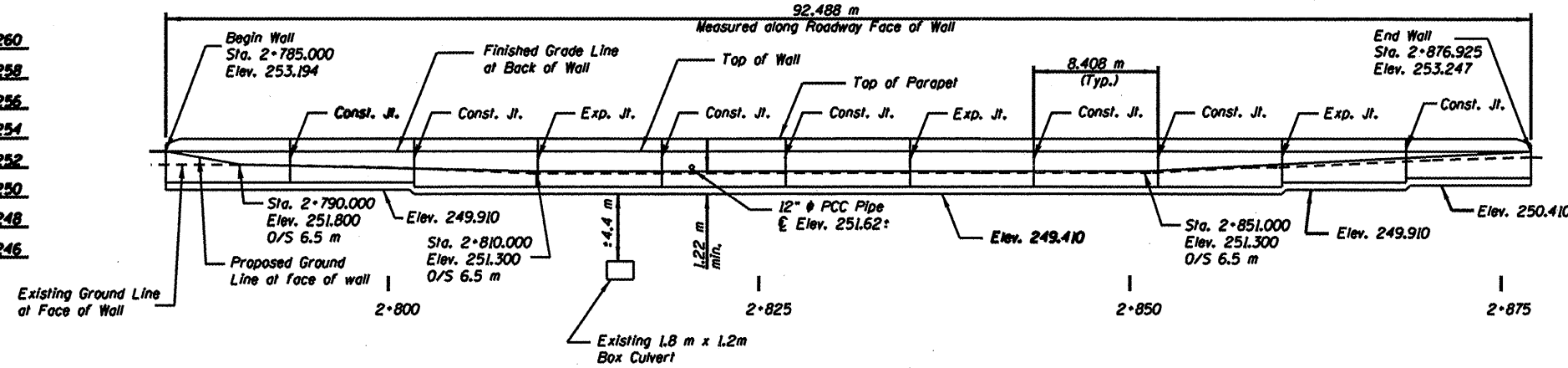
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET	SHEET NO. 1
F.A.P. 704	(1)	McLEAN	497	381
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 7054	

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Porous Granular Embankment, Special	Cu M	312
Structure Excavation	Cu M	908
Concrete Structures	Cu M	259
Reinforcement Bars, Epoxy Coated	Kg	20,340
Geocomposite Wall Drain	Sq M	267
Pipe Under Drains for Structures, 100mm	M	92.5
Protective Coat	Sq M	112
Porous Granular Embankment, Special CA-6	Cu M	54

- 260
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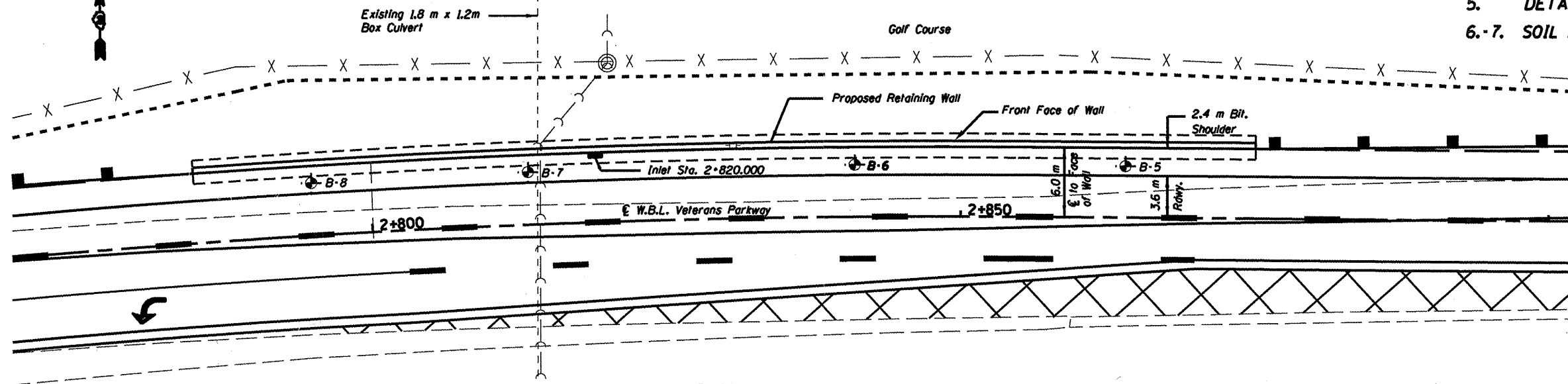


ELEVATION

* Top of wall to match proposed edge of shoulder elevations for widening of veterans W.B.L.

INDEX OF SHEETS

1. GENERAL PLAN
- 2.-3. ELEVATION
4. SECTIONS AND DETAILS
5. DETAILS
- 6.-7. SOIL BORINGS



CURVE DATA

F.A.P. Route 704 (I-55 BL.)
CVSB - 3
Δ = 22°45'00" (RT)
R = 882.258 m
T = 177.494 m
L = 350.312 m
E = 17.677 m
PC = 2+504.540
PI = 2+682.034
PT = 2+854.852

APPROVED PLAN

For Structural Adequacy Only

Ralph E. Anderson
Engineer of Bridges & Structures

GENERAL NOTES

Protective coat shall be applied to the top and exposed inside faces of wall.
See sheet 4 of 7 for wall thru sections and details.

⊕ Denotes soil boring location

Reinforcement bars shall conform to the requirements of ASTM A 706M GR 420. See Special Provisions.

All exposed edges of the concrete facing shall be chamfered 20mm.

All dimensions are in millimeters (mm) except as noted

The footing excavation shall be cleaned of loose material and replaced with Porous Granular Embankment, Special CA-6 prior to pouring the concrete.

DESIGN SPECIFICATIONS

AASHTO 2002

DESIGN STRESSES

FIELD UNITS

$f_c = 24 \text{ MPa}$
 $f_y = 420 \text{ MPa (Reinf.)}$

Station	Top of Wall Elev. (Meters)	Top of Wall Elev.
2+785.000	6.500	253.194
2+790.000	6.500	253.202
2+800.000	6.500	253.192
2+810.000	6.500	253.157
2+820.000	6.500	253.152
2+830.000	6.500	253.125
2+840.000	6.500	253.139
2+850.000	6.500	253.185
2+860.000	6.500	253.229
2+870.000	6.500	253.236
2+877.000	6.500	253.247

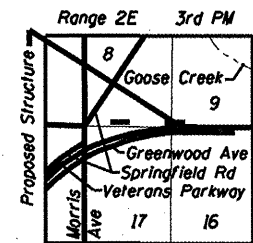
SHIVE-HATTERY

DESIGNED	JDA
CHECKED	WCT
DRAWN	MAC
CHECKED	WCT

DATE: 06-25-10



Signature: *William C. Thompson, Jr.*
Date: 8/19/10
Exp. Date: 11/30/2010



LOCATION SKETCH

GENERAL PLAN
RETAINING WALL ALONG
W.B.L. VETERANS PARKWAY
F.A.P. ROUTE 704 SECTION (1) N&TS-1
McLEAN COUNTY
STATION 2+785.000 TO 2+877.000
STRUCTURE NO. 057-W002