

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.P. 704	(1)	McLEAN	497 270	11 SHEETS
CONTRACT NO. 70514				

**BENCHMARK**

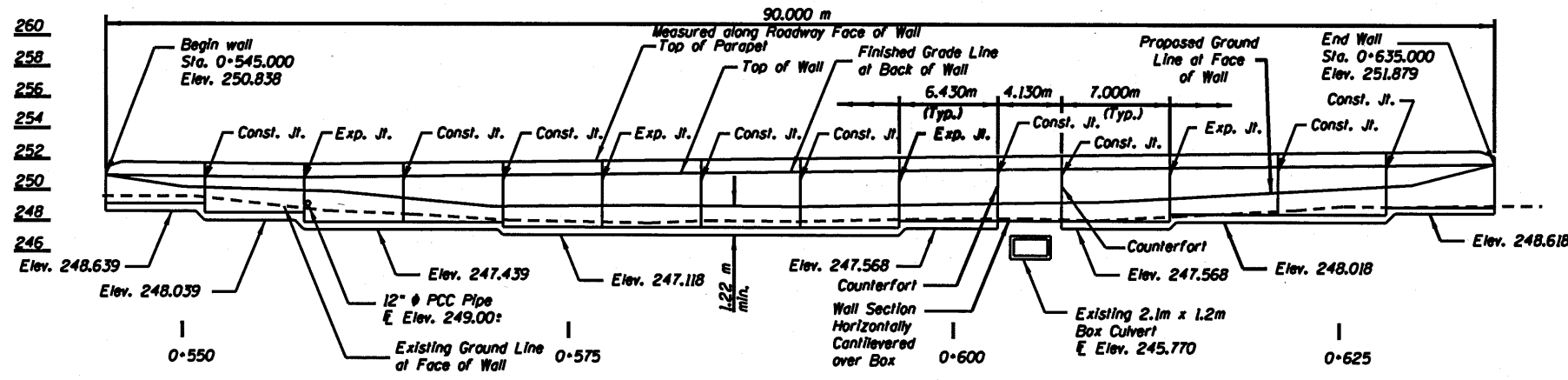
Square cut in the northwest corner of a concrete intake on the south side of Greenwood Avenue East at the west edge of the mobile home park. Station 10+407.6 3.4 m Right of the proposed Greenwood Avenue East alignment. Elevation 249.710.

**EXISTING STRUCTURE**

No existing structure.

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Porous Granular Embankment, Special	Cu M	300
Structure Excavation	Cu M	381
Concrete Structures	Cu M	258
Reinforcement Bars, Epoxy Coated	Kg	21,190
Geocomposite Wall Drain	Sq M	259
Pipe Under Drains for Structures, 100mm	M	90.0
Protective Coat	Sq M	109
Porous Granular Embankment, Special CA-6	Cu M	54



**ELEVATION**

⊕ Six Points  
O/S To

Station	Front Face of Wall (Meters)	Top of Wall Elev.	Finished Grade F.F. of Wall Elev.
0+545.000	7.482	250.838	250.838
0+550.000	7.318	250.817	250.308
0+560.000	6.990	250.807	249.584
0+570.000	6.662	250.841	249.173
0+580.000	6.335	250.920	248.962
0+590.000	6.007	251.041	248.937
0+600.000	5.679	251.207	249.387
0+610.000	5.351	251.408	249.387
0+620.000	5.350	251.607	249.682
0+630.000	5.350	251.793	250.327
0+635.000	5.350	251.880	251.880

\*\* Top of wall to match proposed edge of shoulder elevations for Six Points Road.

**DESIGN SPECIFICATIONS**

AASHTO 2002

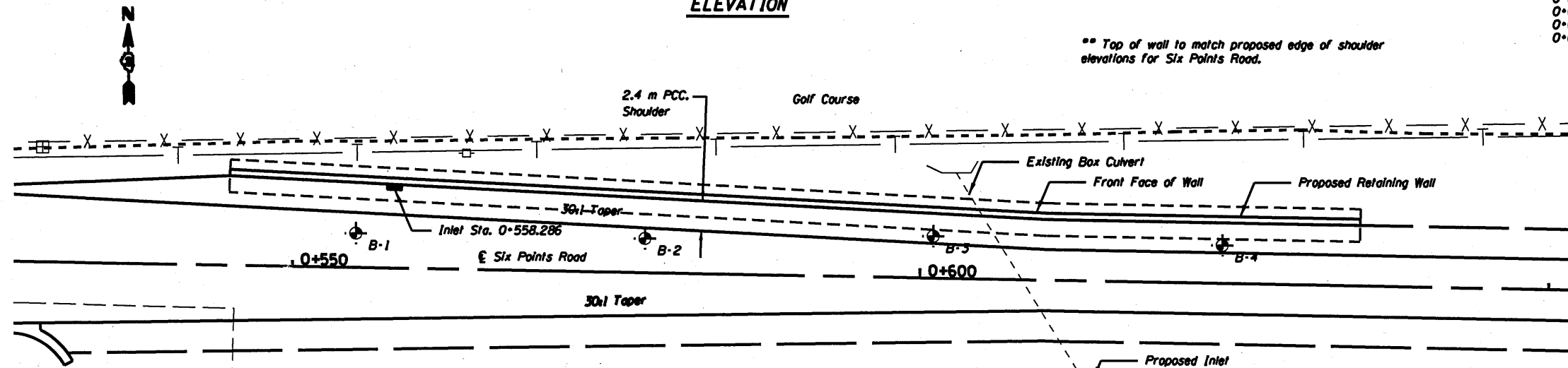
**DESIGN STRESSES**

FIELD UNITS

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

**INDEX OF SHEETS**

1. GENERAL PLAN
- 2.-5. ELEVATION
- 6.-7. SECTIONS
8. DETAILS AND SECTIONS
9. DETAILS
- 10.-11. SOIL BORINGS



**PLAN**

**APPROVED**  
For Structural Adequacy Only

*Ralph E. Anderson* (JSD)  
Engineer of Bridges & Structures



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

**GENERAL NOTES**

Protective coat shall be applied to the top and exposed inside faces of wall.  
See sheet 6 thru 8 of 11 for wall thru sections and details.

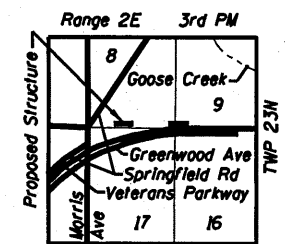
⊕ Denotes soil boring location

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.

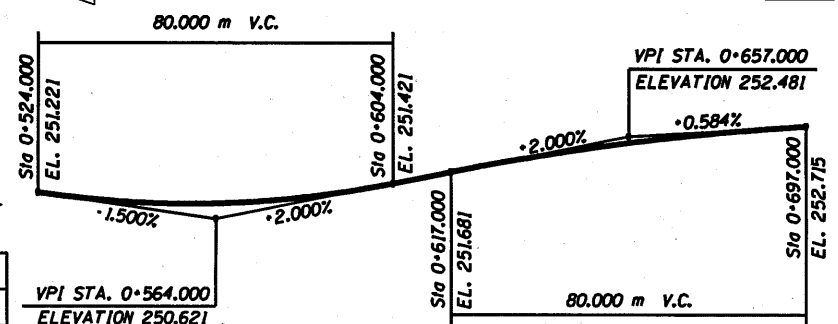


**LOCATION SKETCH**

SHIVE HATTERY

DESIGNED	JDA
CHECKED	WCT
DRAWN	MAC
CHECKED	WCT

DATE: 06-25-10



**SIX POINTS EAST ROADWAY PROFILE**

GENERAL PLAN  
RETAINING WALL ALONG SIX POINTS ROAD  
F.A.P. ROUTE 704 SECTION (1) N&TS-1  
McLEAN COUNTY  
STATION 0+545.000 TO 0+635.000  
STRUCTURE NO. 057-W001