### STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

# INDEX OF DRAWINGS

#### Sheet No. Title

1 of 5 General Plan & Elevation

General Notes & Total Bill of Material 2 of 5

Wall Plan and Elevation

4 of 5 Wall Details & Bar Schedule

5 of 5 Soil Boring Logs

### GENERAL NOTES

- 1. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60 (IL Modified). See Special Provisions.
- Cover from face of concrete to face of reinforcement bars shall be 3" for surfaces formed against earth and 2" for all other surfaces unless otherwise shown.
- 3. Reinforcing bar bending dimensions are out to out.
- 4. Reinforcement bars designated (E) shall be epoxy coated.
- 5. Reinforcement bar splices shall be in accordance with the following table unless shown otherwise on the drawing.

#### Minimum Lap

<u>Size</u>	Lap
#1	1/_ 9

\*Gentechnical Fabric

for French Drains

\*Drainage Aggregate

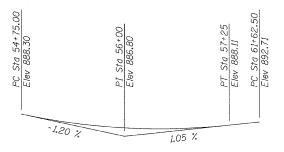
\*Impervious Material

Sloped with Underdrain

\*4" ¢ Perforated

Pine Drain

- 6. No construction joints except those shown on the plans will be allowed unless ordered by the engineer.
- 7. An application of Protective Coat shall be applied to the top surface of the wall.
- 8. Geocomposite wall drain is to be continuous over the entire length of the concrete wall.
- 9. When excavating for the wall's footing, the Contractor shall use a method that will result in minimal disturbance to the underlying soil.



VC = 250 ft

# PROFILE GRADE IL ROUTE 47

ELEVATION CHART				
Length From West End Of Wall	Station	Top Of Wall Elevation	Height Of Bot of Ftg to Top of Wall (ft)	
0	55+80.00	887.05	6.45	
30'-0"	56+10.00	887.08	6.48	
60'-0"	56+40.00	887.10	6.50	
90′-0"	56+70.00	887.13	6.53	
120'-0"	57+00.00	887.40	6.30	
150'-0"	57+30.00	887.66	6.56	
180′-0"	57+60.00	887.93	6.83	
210'-0"	57+90.00	888.25	6.25	
240'-0"	58+20.00	888.56	6.56	
270'-0"	58+50.00	888.88	6.88	
295′-0"	58+75.00	889.14	6.14	

60'-0" Lt of € IL 47

55'-9" Lt of € IL 47

€ 60" SS

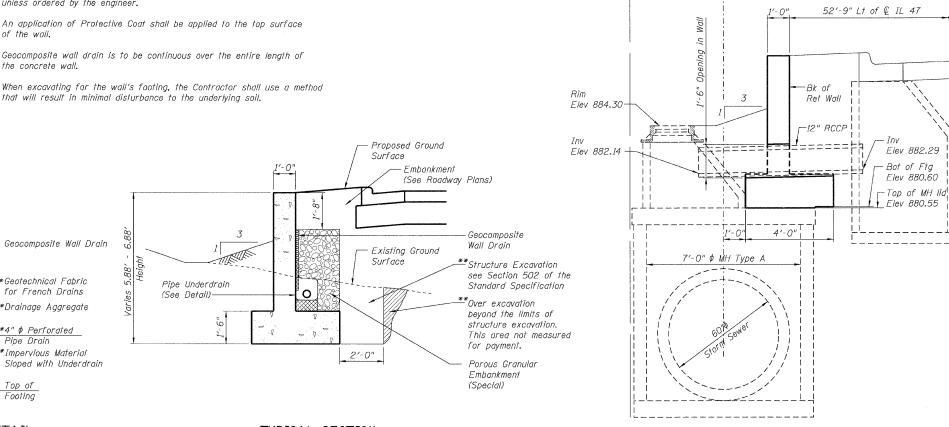
ROJTE NO.	SECTION	COUNTY		TOTAL SHEETS	SHEET NO.	SHEET NO. 2	
FAP 326	*	McHENRY		502	344	5	SHEETS
PED. ROAD DIST	. NO. 1	ILLINOIS FED. AID PROJECT-					

Contract No. 62882

★(105X & 106) WRS-2

# TOTAL BILL OF MATERIAL

TUTAL BILL OF MAT	CKIAL	=
ITEM	UNIT	TOTAL
Porous Granular Embankment (Special)	Cu Yd	52
Structure Excavation	Cu Yd	425
Concrete Structures	Cu Yd	120
Protective Coat	Sq Yd	33
Reinforcement Bars, Epoxy Coated	Pound	9,680
Geocomposite Wall Drain	Sq Yd	78
Pine Underdraine for Structures 4"	Foot	311



# PIPE UNDERDRAIN DETAIL

1'-0"

\*Included in the cost of "Pipe Underdrains for Structures, 4" "

DESIGNED DSE CHECKED BG DRAWN TWK CHECKED BG DATE: Aug. 5, 2009

Back Face

of Wall Stem

## TYPICAL SECTION

\*\*Backfill remainder of structure excavation and over excavation with same material specified for roadway embankment.

SECTION A-A

(See sht 1 of 5 for location of Section)

GENERAL NOTES & TOTAL BILL OF MATERIAL IL ROUTE 47 DIECKE PARK RETAINING WALL F.A.P. 326-SECT.(105X & 106) WRS-2 McHENRY COUNTY STATION 57+27.50

Illinois Firm Registration No.: 1184-001533

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