

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 2
290	2011-0551	COOK	107	70	4 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

Contract #60P67

INDEX OF DRAWINGS

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GENERAL NOTES

- 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.
- Reinforcing bar bending dimensions are out to out.
- Reinforcement bars designated (E) shall be epoxy coated.
- Reinforcement bar splices shall be in accordance with the following table unless shown otherwise on the drawing.

Minimum Lap

Size	Lap
#4	2'-7"
#5	3'-3"

- No construction joints except those shown on the plans will be allowed unless ordered by the engineer.
- An application of Protective Coat shall be applied to the top and traffic face of the wall.
- Geocomposite wall drain is to be continuous over the entire length of the back face of the concrete wall.
- When excavating for the wall's footing, the Contractor shall use a method that will result in minimal disturbance to the underlying soil.
- Brace excavation at East end of wall adjacent to existing slopewall to prevent undermining existing wall. Cost of braced excavation shall be included in the pay item cost for Structure Excavation.

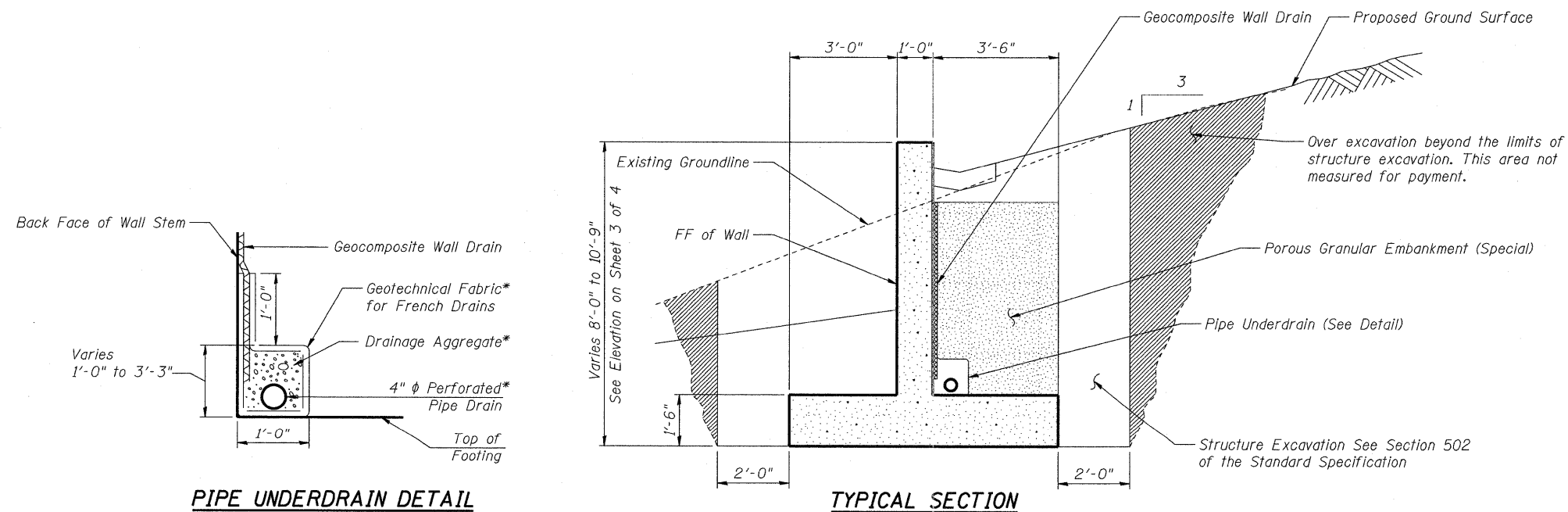
**LENGTH FROM WEST END OF WALL	**STATION AT FRONT FACE OF WALL (ft)	TOP OF WALL ELEVATION AT FRONT FACE OF WALL (ft)	HEIGHT OF WALL (ft)
0'-0"	307+53.24	577.84	***8.54
30'-0"	307+23.21	578.79	9.49
60'-0"	306+92.93	579.74	9.44
90'-0"	306+62.44	580.69	10.39
120'-0"	306+31.83	581.64	10.34
133'-0"	306+18.53	582.05	10.75
145'-0"	306+06.25	582.45	8.40

**Measured along front face of retaining wall.

***8.54 ft is projected height if Halsted Street footing were not present.

TOTAL BILL OF MATERIAL

Item	UNIT	TOTAL
Porous Granular Embankment (Special)	Cu Yd	115.0
Structure Excavation	Cu Yd	529.0
Concrete Structures	Cu Yd	103
Protective Coat	Sq Yd	146
Reinforcement Bars, Epoxy Coated	Pound	9810
Geocomposite Wall Drain	Sq Yd	98.0
Pipe Underdrain for Structures, 4"	Foot	134
Drill And Grout Bars	Each	28



PIPE UNDERDRAIN DETAIL

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

TYPICAL SECTION

DESIGNED	NDR
CHECKED	DSE
DRAWN	ZLM
CHECKED	NDR

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INDEX AND NOTES
CIRCLE INTERCHANGE RETAINING WALL
I-90/I-94/I-290
EB I-90/94 TO WB I-290
F.A.I. 94 /290-SECT. (2011-0551)
COOK COUNTY
SN 016-0008