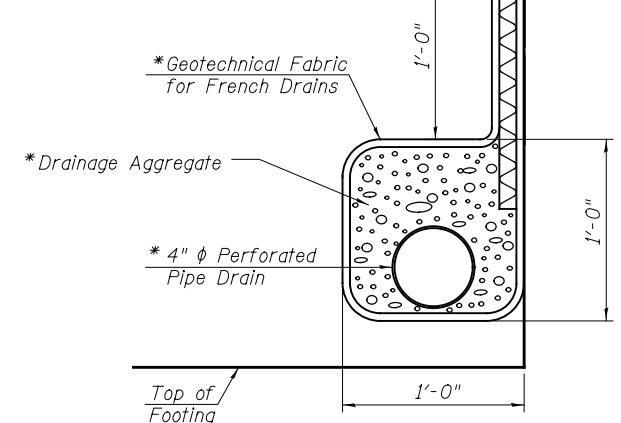


STATION 303+02.21 TO 313+20.03
 BUILT 20__ BY
 STATE OF ILLINOIS
 F.A.P RT. 330 SEC. 103R-5
 LOADING HL-93
 STR. NO. 016-Z005

NAME PLATE
 See Std. 515001

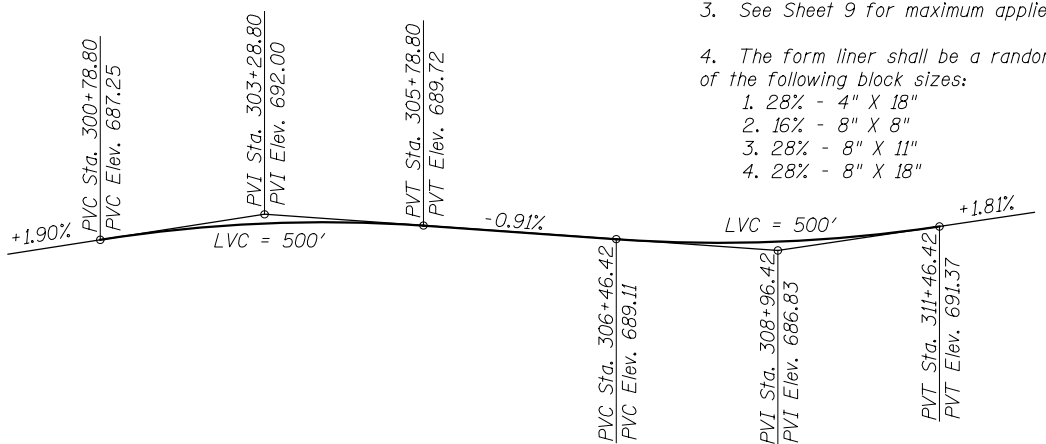


PIPE UNDERDRAIN DETAIL

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

GENERAL NOTES

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Cut reinforcement as needed to fit 10" ϕ holes for 6" ϕ pipe drain outlets.
3. See Sheet 9 for maximum applied service bearing pressures.
4. The form liner shall be a random Ashlar blend pattern consisting of the following block sizes:
 1. 28% - 4" X 18"
 2. 16% - 8" X 8"
 3. 28% - 8" X 11"
 4. 28% - 8" X 18"



PROFILE GRADE-PROPOSED LAGRANGE RD
 (along PGL roadway)

INDEX OF SHEETS

1. General Plan & Elevation
2. General Details & Bill of Material
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20. Soil Borings 8
21. Soil Borings 9

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Structure Excavation	Cu. Yd.	3,839
Cofferdam (Type 1) (Location - 1)	Each	1
Concrete Structures	Cu. Yd.	2,226.7
Form Liner Textured Surface	Sq. Ft.	15,205
Reinforcement Bars, Epoxy Coated	Pound	250,470
Parapet Railing	Foot	1,019
Furnishing Steel Piles HP14x73	Foot	30,110
Driving Piles	Foot	30,110
Test Pile Steel HP14x73	Each	6
Pile Shoes	Each	450
Geocomposite Wall Drain	Sq. Yd.	1,605
Granular Backfill for Structures	Cu. Yd.	4,610
Pipe Underdrains for Structures 4"	Foot	1,121
Name Plates	Each	1

100 S. WACKER DR.
 5TH FLOOR
 CHICAGO, IL 60606
 TEL (312) 939-1000
 FAX (312) 939-4998
URS

FILE NAME = 016Z005-60M62-002-GND.dgn	USER NAME = arsalan_khan	DESIGNED - PMH	REVISED -
		CHECKED - AMK	REVISED -
	PLOT SCALE = 5/4,000 @ 1" = 40'	DRAWN - PMH/RJ	REVISED -
	PLOT DATE = 3/22/2013	CHECKED - AMK	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GENERAL DETAILS & BILL OF MATERIAL
 STRUCTURE NO. 016-Z005**

F.A.P. RTE. 330	SECTION 103R-5	COUNTY COOK	TOTAL SHEETS 778	SHEET NO. 421
CONTRACT NO. 60M62				
ILLINOIS FED. AID PROJECT				