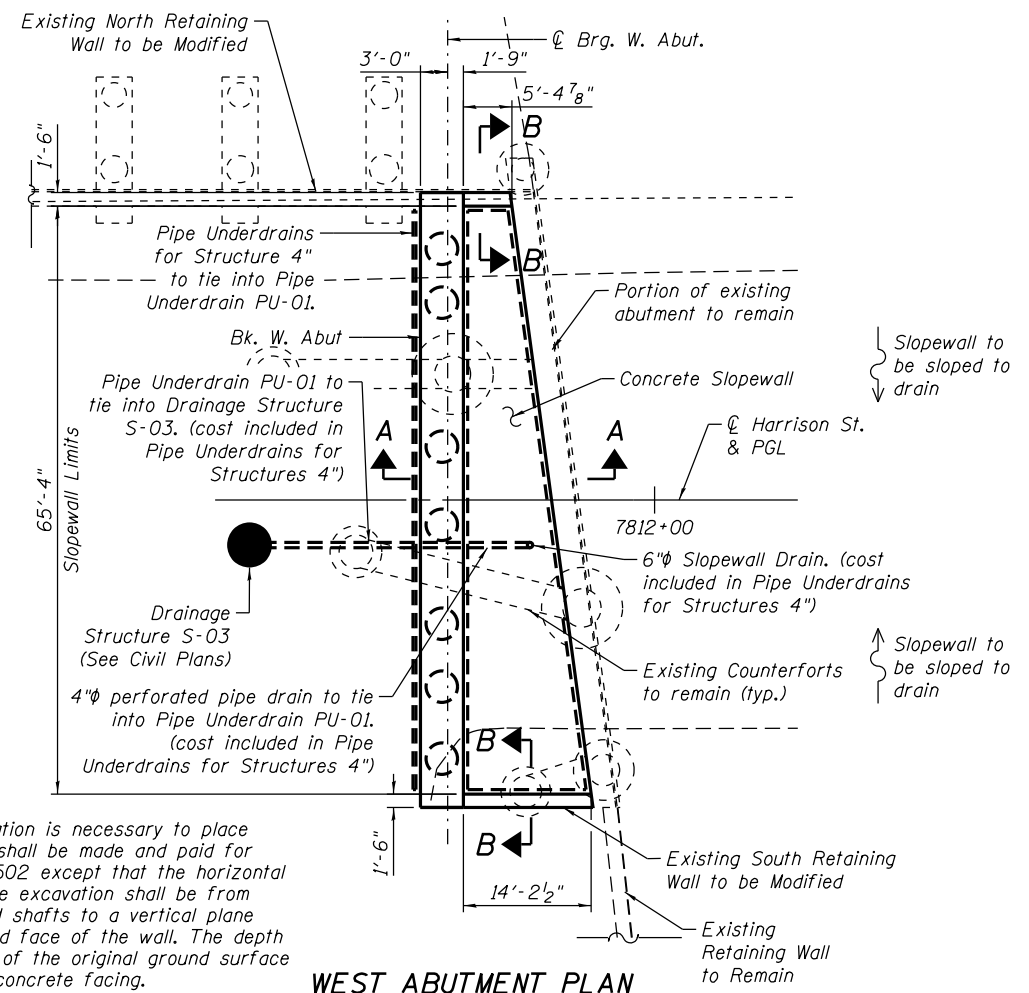


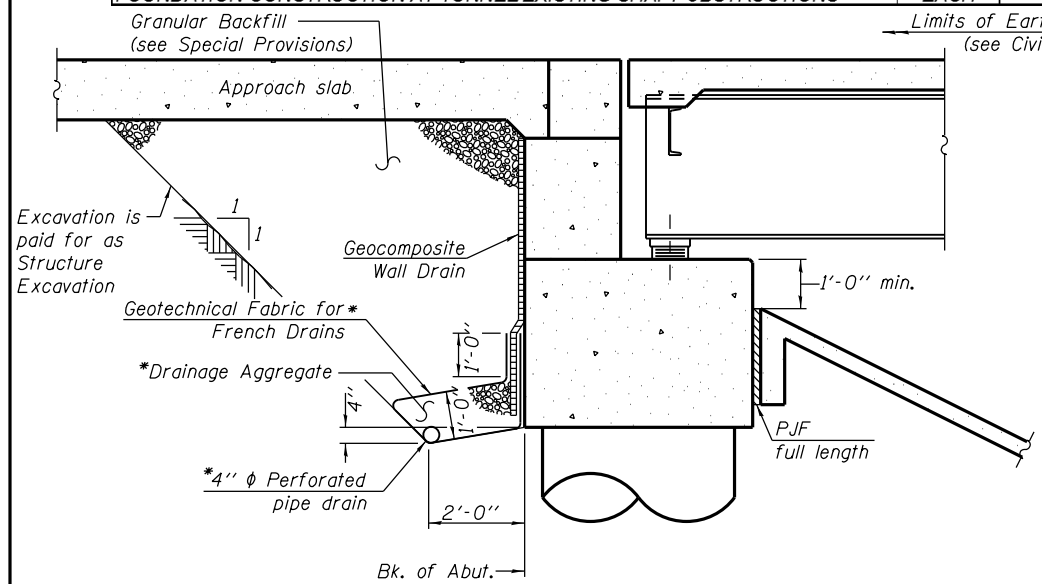
**TOTAL BILL OF MATERIALS**

DESCRIPTION	UNIT	S.N. 016-1711		TOTAL
		SUPER	SUB	
GRANULAR BACKFILL FOR STRUCTURES	CU. YD.		212	212
REMOVAL OF EXISTING STRUCTURES	EACH	1		1
PROTECTIVE SHIELD	SQ. YD.	1,128		1,128
STRUCTURE EXCAVATION	CU. YD.		1,064	1,064
CONCRETE STRUCTURES	CU. YD.		335	335
CONCRETE SUPERSTRUCTURE	CU. YD.	734		734
BRIDGE DECK GROOVING	SQ. YD.	1,068		1,068
FORM LINER TEXTURED SURFACE	SQ. FT.		1,002	1,002
PROTECTIVE COAT	SQ. YD.	1,848		1,848
FURNISHING AND ERECTING STRUCTURAL STEEL	L. SUM	1		1
STUD SHEAR CONNECTORS	EACH	6,166		6,166
REINFORCEMENT BARS	POUND		447,480	447,480
REINFORCEMENT BARS, EPOXY COATED	POUND	131,390	71,060	202,450
MECHANICAL SPLICERS	EACH		440	440
BAR SPLICERS	EACH	122		122
SLOPE WALL 4 INCH	SQ. YD.		72	72
NAME PLATES	EACH	1		1
PERMANENT CASING	FOOT		1,266	1,266
DRILLED SHAFT IN SOIL	CU. YD.		1,024	1,024
DRILLED SHAFT IN ROCK	CU. YD.		11	11
PREFORMED JOINT STRIP SEAL	FOOT	135		135
ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	24		24
ANCHOR BOLTS, 3/4"	EACH	48		48
ANCHOR BOLTS, 1"	EACH	24		24
CONCRETE SEALER	SQ. FT.		6,606	6,606
EPOXY CRACK INJECTION	FOOT		5	5
GEOCOMPOSITE WALL DRAIN	SQ. YD.		145	145
CHAIN LINK FENCE, 4'	FOOT		84	84
STRUCTURAL REPAIR OF CONCRETE (Depth equal or less than 5")	SQ. FT.		78	78
STRUCTURAL REPAIR OF CONCRETE (Depth greater than 5")	SQ. FT.		13	13
PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT		266	266
CLASS SI CONCRETE MISCELLANEOUS	CU. YD.		69	69
DECORATIVE RAILING (PARAPET MOUNTED)	FOOT	405		405
SOIL RETENTION SYSTEM	SQ. FT.		1,636	1,636
TEMPORARY SOIL RETENTION SYSTEM	SQ. FT.		481	481
CROSSHOLE SONIC LOGGING	EACH		3	3
UNTREATED TIMBER LAGGING	SQ. FT.		458	458
DRILLING AND SETTING SOLDIER PILES (IN SOIL)	CU. FT.		3,101	3,101
FURNISHING SOLDIER PILES (W SECTION)	FOOT		323	323
CHAIN LINK FENCE, 42" ATTACHED TO STRUCTURE (SPECIAL)	FOOT		33	33
FOUNDATION CONSTRUCTION AT TUNNEL/EXISTING SHAFT OBSTRUCTIONS	EACH		19	19



**Note A:**  
When structure excavation is necessary to place a concrete facing, it shall be made and paid for according to Section 502 except that the horizontal limits for the structure excavation shall be from the face of the drilled shafts to a vertical plane 2 ft. from the finished face of the wall. The depth shall be from the top of the original ground surface to the bottom of the concrete facing.

**WEST ABUTMENT PLAN**

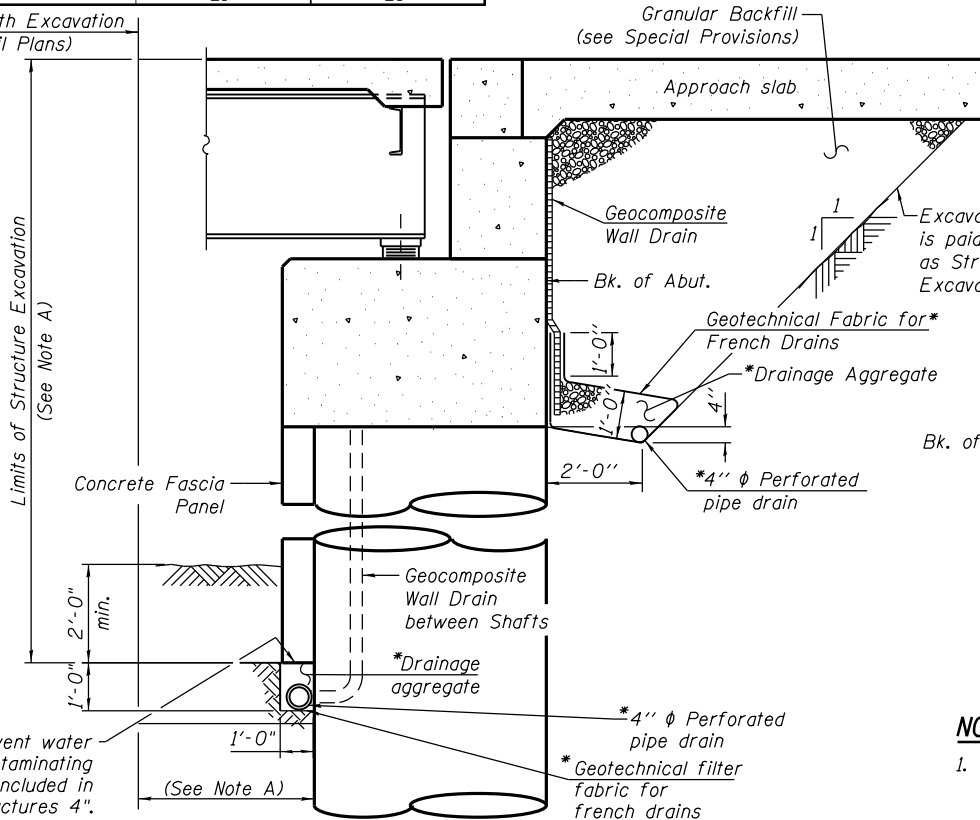


**SECTION THRU WEST ABUTMENT**

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

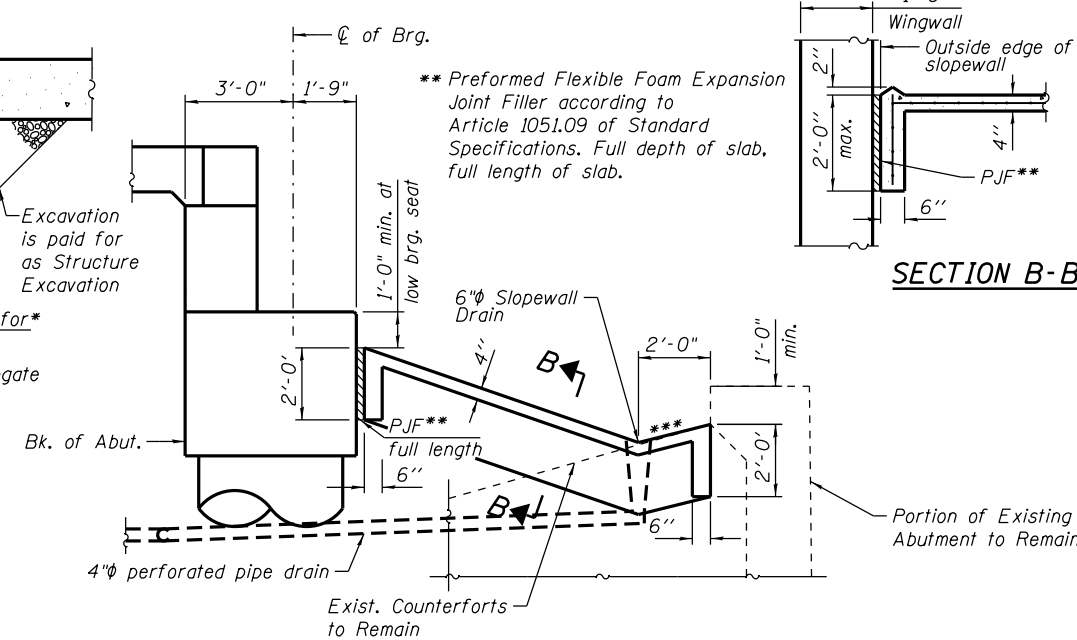
**Note:**  
West abutment drainage system components shall extend the full width of the abutment and tie into Drainage Structure S-03.

East abutment drainage system components under the concrete fascia panel along the NB Bypass shall extend to the end of abutment to the north and to the end of the soldier pile and lagging wall to the south and tie into Drainage Structure S-12 (see Civil Plans).  
The drainage system components behind the abutment shall extend the full width of the abutment and tie into Drainage Structure S-07.



**SECTION THRU EAST ABUTMENT**

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



**SECTION A-A THRU CONCRETE SLOPEWALL WEST ABUTMENT**

**NOTES:**

- Slope wall shall be reinforced with welded wire fabric, 6 in. x 6 in. - W4.0 x W4.0, weighing 58 lbs. per 100 sq. ft. Cost included in Slope Wall 4 Inch pay item.
- Work this sheet with sheets S-31 and S-32.

\*\*\*1:4 (V:H)

0161711-60W71-S03-GenNote



USER NAME = dabez1cd	DESIGNED - DD	REVISED
	CHECKED - EJO	REVISED
PLOT SCALE = N.T.S.	DRAWN - BRD	REVISED
PLOT DATE = 3/21/2014	CHECKED - EJO	REVISED

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TOTAL BILL OF MATERIAL AND ABUTMENT SECTIONS  
STRUCTURE NO. 016-1711**

SHEET NO. S-03 OF S-47 SHEETS

F.A.I. RTE. 90/94/290	SECTION 2013-036R	COUNTY COOK	TOTAL SHEETS 256	SHEET NO. 95
CONTRACT NO. 60W71			ILLINOIS FED. AID PROJECT -NUMBER-	