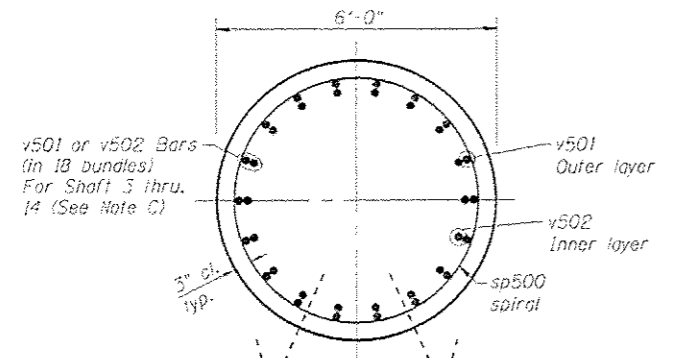
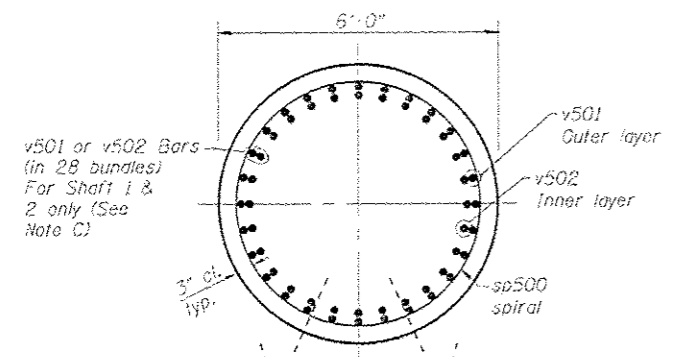


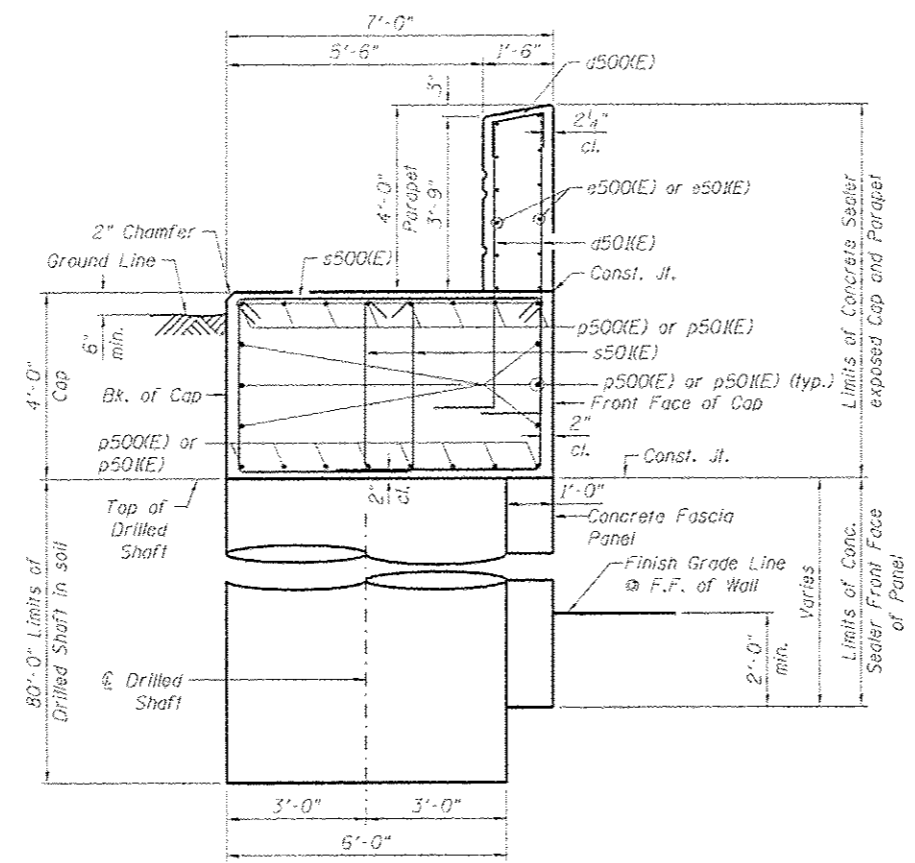
TYPICAL SHAFT ELEVATION



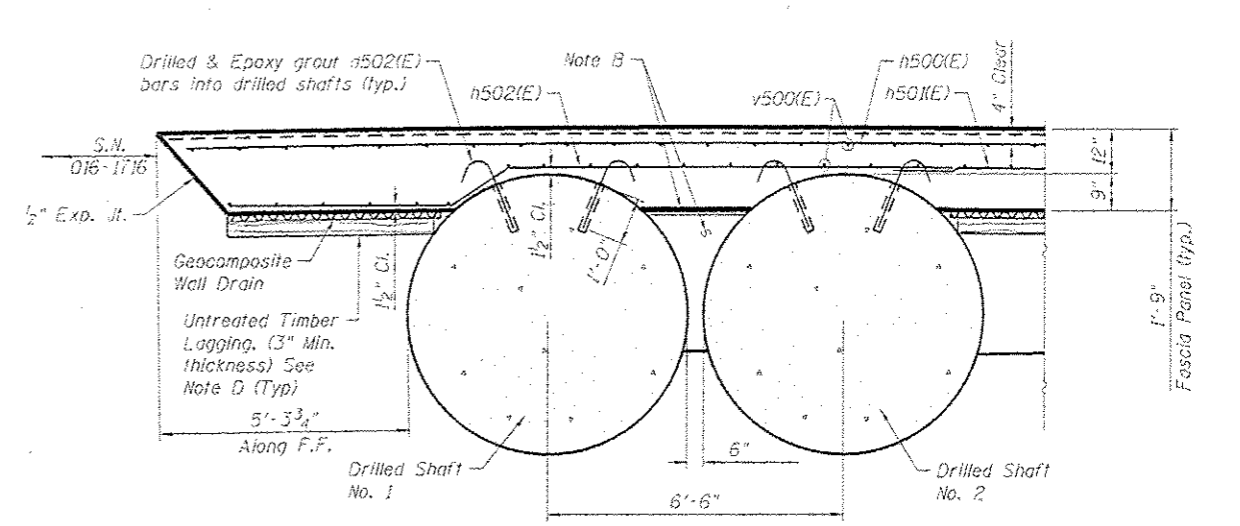
SECTION C-C



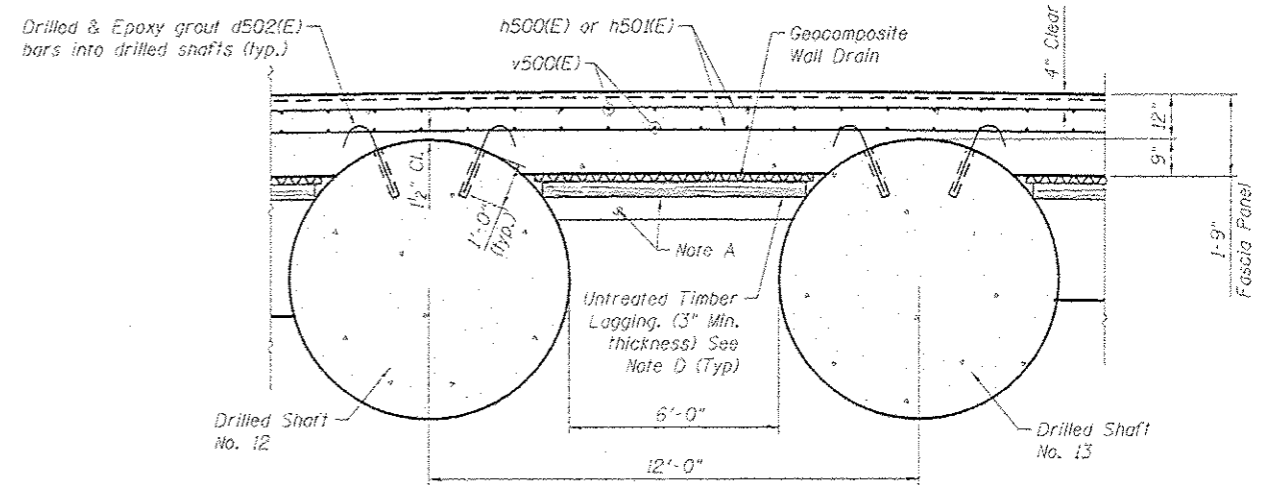
SECTION C-C



SECTION A-A

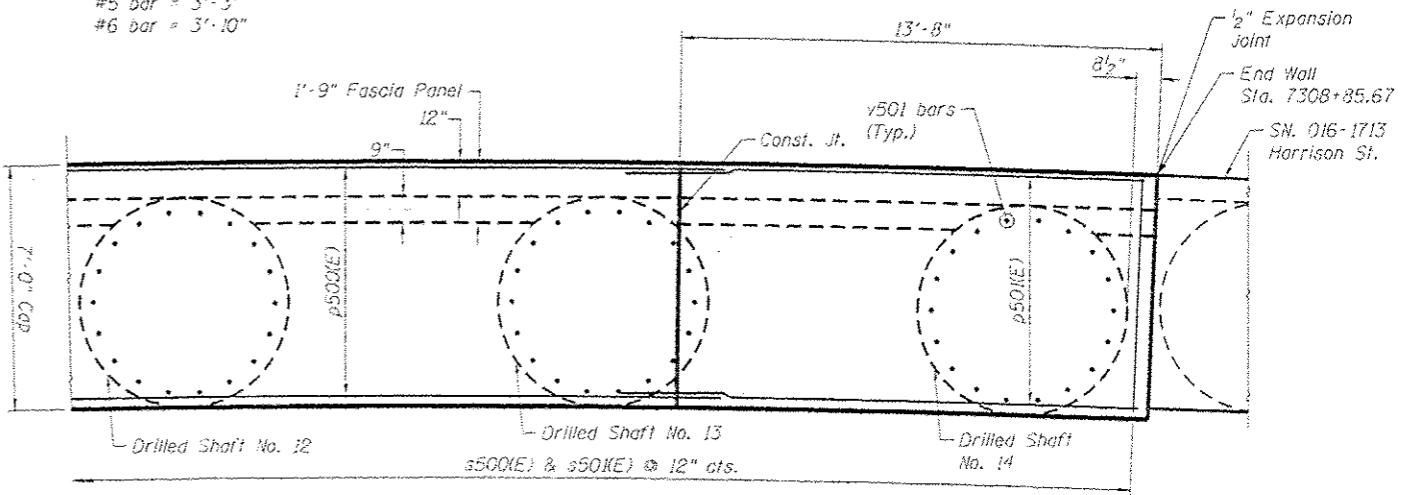


SECTION B-B
(Typical for Shaft 1 & 2)
(Shaft rebars are not shown for clarity)



SECTION D-D
(Typical for shafts 2 thru 14)
(Shaft rebars are not shown for clarity)

TYP. MIN. BAR LAP
(Unless Noted Otherwise)
#5 bar = 3'-3"
#6 bar = 3'-10"



SECTION E-E

- Note A
Install lagging and Geocomposite Wall Drain from top down as excavation proceeds. Minimize over-excavation and backfill voids with dry loose sand. Cast included with Class SI Concrete Miscellaneous.
- Note B
Remove loose soil on and between the drilled shafts. Place plywood backform with Geocomposite Wall Drain attached to the back face. Install between Drilled Shaft No. 1 & 2. Use dry loose sand as per IDOT Standard Specifications to fill voids between undisturbed soil and Geocomposite Wall Drain. Cast included with Class SI Concrete Miscellaneous.
- Note C
Bundle v501 bars in outer layer with v502 bars in inner layer.
- Note D
The Contractor is responsible for the design and performance of the lagging system, using no less than a 3 in. nominal rough-sawn thickness and timber with a minimum allowable bending stress of 1000 psi, until the concrete facing is installed. The Contractor shall submit design calculations and details prepared by an Illinois Licensed Structural Engineer for the attachment of the lagging to the shaft for approval by the Engineer. Alternative equivalent systems may be submitted for approval by the Engineer. Cast included with Class SI Concrete Miscellaneous.

NOTES

- When splicing spiral reinforcement is necessary, the spiral shall be provided with 1/2 extra turns at the ends to be spliced. These additional turns shall either be welded together according to AWS D1.4 or shall both terminate with a 135° standard hook.
- Work this sheet with Sheet RW-03 & RW-05.

Entire Sheet Revised



USER NAME: dunkerleyb	DESIGNED: DD	REVISED: 10/15/2013 A.T.B.
PLOT SCALE: N.T.S.	CHECKED: ATB	
PLOT DATE: 8/15/2013	DRAWN: BRD	
	CHECKED: ATB	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WALL SECTIONS AND DETAILS
STRUCTURE NO. 016-1802
SHEET NO. RW-04 OF RW-08 SHEETS

F.A.I. RTE. 90/94/290	SECTION 2013-00BR	COUNTY COOK	TOTAL SHEETS 559	SHEET NO. 456
CONTRACT NO. 60W26			ILLINOISFCO. AID PROJECT	