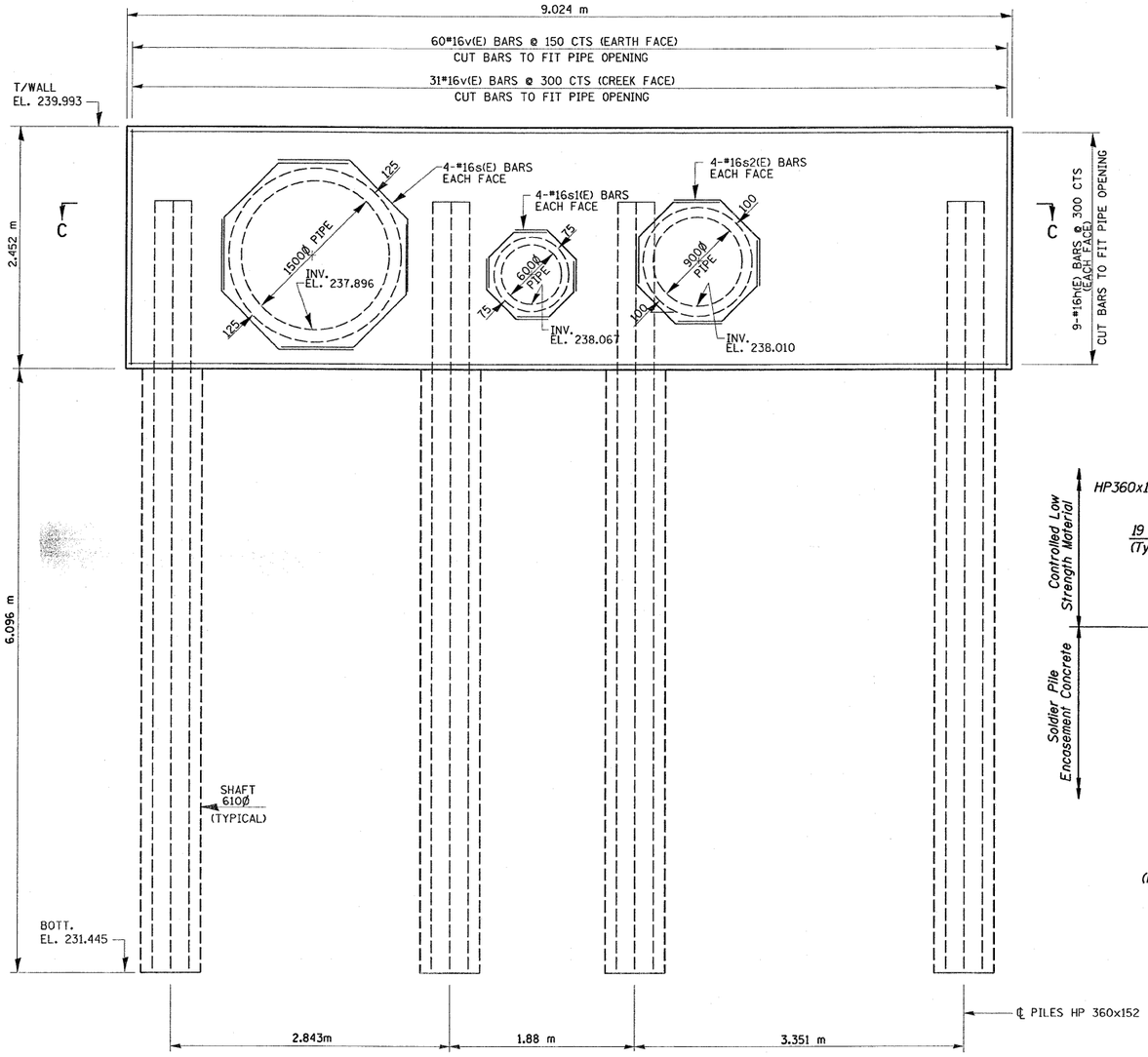
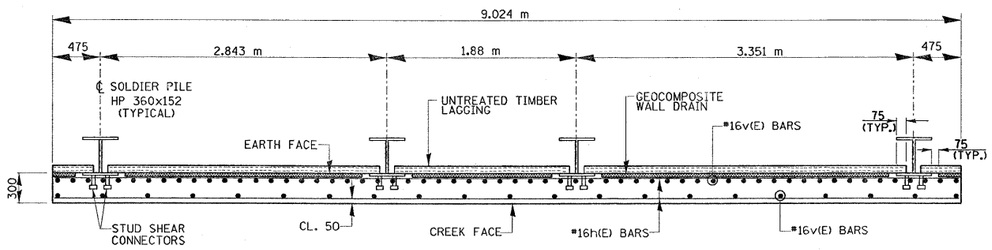
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
866	4N-1	LAKE	165	101
STA. 3 + 18.69		TO STA. 3 + 324.15		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SHEET S3 OF S4

CONTRACT: 60931



ELEVATION
(SHOWING REINFORCEMENT DETAILS)



SECTION C-C
(SHOWING REINFORCEMENT DETAILS AND GEOCOMPOSITE WALL DRAIN)

NOTE A:

The 100 ϕ Perforated drain pipe shall be Installed according to Section 601 of the Standard Specifications. The cost of the perforated pipe is included with Pipe Underdrains for Structures.

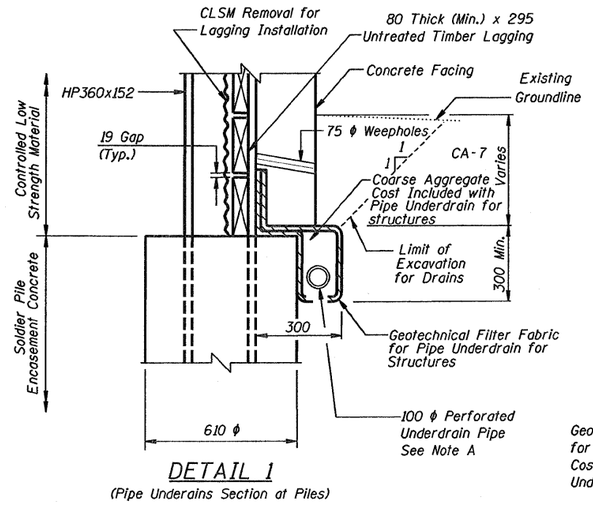
Geocomposite Wall Drain shall not have a Thickness Greater than 16 mm.

The Minimum Tabulated Unit Stress in Bending (Fb) for Timber Lagging shall be 6.9 MPa.

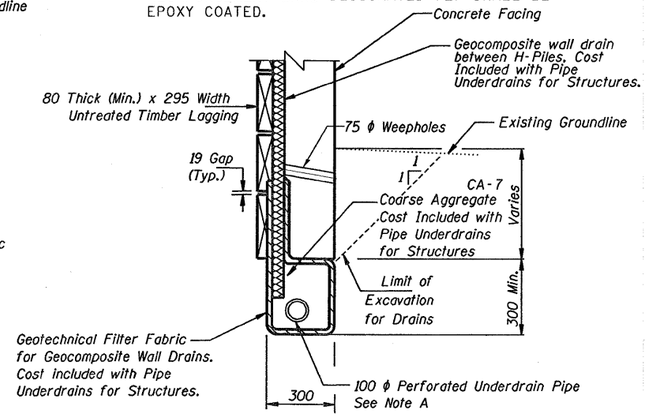
BILL OF MATERIALS

BAR	NO.	SIZE	LENGTH (m)	SHAPE
h(E)	18	#16	8.924 m	——
s(E)	8	#16	2.308	⌝
s1(E)	8	#16	1.051	⌝
s2(E)	8	#16	1.492	⌝
v(E)	91	#16	2.352 m	——
REINFORCEMENT BARS, EPOXY COATED			KG	604
CONCRETE STRUCTURES			CU. M.	6.8
STRUCTURE EXCAVATION			CU. M.	3
PIPE UNDERDRAINS FOR STRUCTURES			M.	9.1
UNTREATED TIMBER LAGGING			SQ. M.	22.7

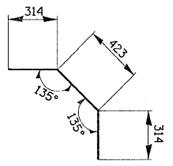
REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.



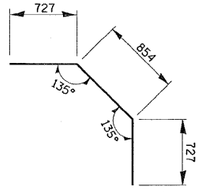
DETAIL 1
(Pipe Underdrains Section at Piles)



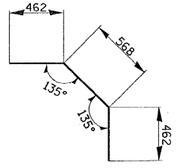
DETAIL 2
(Pipe Underdrains Section between Piles)



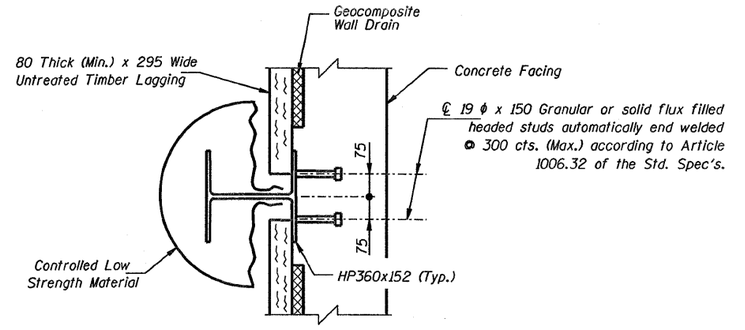
s1(E) BAR



s(E) BAR



s2(E) BAR



SECTION D-D

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

IL 83 (MILWAUKEE AVENUE) AT IL 132 (GRAND AVENUE) CULVERT HEADWALL/ RETAINING WALL PLAN, ELEVATION AND DETAILS

SCALE : NONE — DRAWN BY: MVT

DATE : 02/26/04 — CHECKED BY: RSS

10/21/2009
c:\pw_work\pwidot\tiniakosmv\D0101671\l183e\il132.dgn
DISTRICT ONE - DESIGN
PLAN PREPARATION ENGINEER JOHN FORTMANN / RUSS SINHA (847) 705-4209 / ATTENTION MARK V. TINIAKOS (847) 705-4266