

**TYPICAL CROSS-SECTION**  
(Looking upstation)

**GENERAL NOTES**

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Bars noted thus, 3x2-#5 indicates 3 lines of bars with 2 lengths per line.
3. Concrete Sealer shall be applied to the designated areas of the wall.
4. Slipforming of the parapets is not allowed.
5. The Contractor shall field verify location of existing underground electrical duct bank and shall take all precautions to protect existing underground electrical duct bank during the construction of the wall. Any damage to the existing utilities shall be responsibility of the Contractor.
6. Wall to be built along straight chords between construction joints.
7. Concrete for the Drilled Shafts shall be in accordance with Section 516 of Standard Specifications, except that the mix design of concrete shall attain a compressive strength of 7,000 psi at 14 days.
8. The Contractor shall coordinate construction of the retaining wall with the construction of South Abut. & Temp. Soil Ret. Sys. of S.M. 016-1716 & West Abut. of S.M. 016-1713.
9. Concrete Fascia Panel shall be paid for as Class SI Concrete Miscellaneous.

**TOTAL BILL OF MATERIAL**

DESCRIPTION	UNIT	TOTAL
STRUCTURE EXCAVATION	CU. YD.	467
CONCRETE STRUCTURES	CU. YD.	170
CONCRETE SUPERSTRUCTURE	CU. YD.	36
REINFORCEMENT BARS, EPOXY COATED	POUND	14,200
REINFORCEMENT BARS	POUND	457,210
NAME PLATES	EACH	1
DRILLED SHAFT IN SOIL	CU. YD.	1,173
CONCRETE SEALER	SQ. FT.	6,418
PIPE UNDERDRAIN FOR STRUCTURES 4"	FOOT	170
CLASS SI CONCRETE MISCELLANEOUS	CU. YD.	167
MECHANICAL SPlicERS	EACH	544
CROSSHOLE SONIC LOGGING	EACH	1

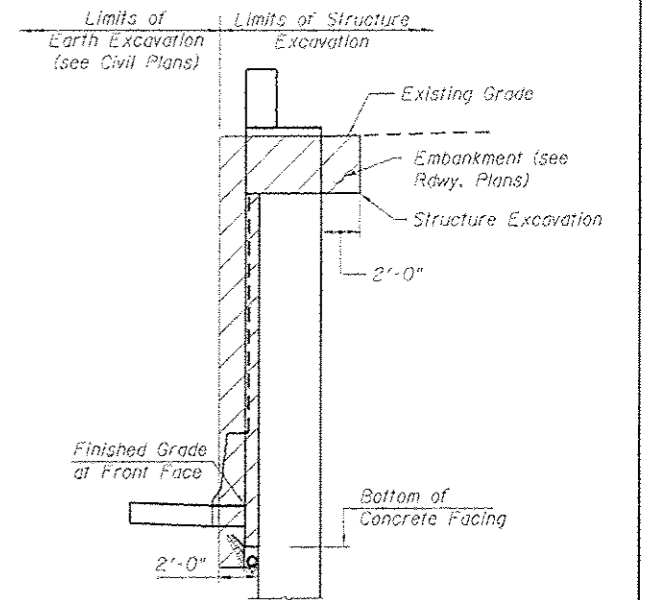
**INDEX OF SHEETS**

- RW-01 General Plan and Elevation
- RW-02 Total Bill of Material and General Notes
- RW-03 Wall Elevation Detail
- RW-04 Wall Sections and Details
- RW-05 Architectural Details
- RW-06 Boring Logs I
- RW-07 Boring Logs II
- RW-08 Boring Logs III
- RW-09 Boring Logs IV

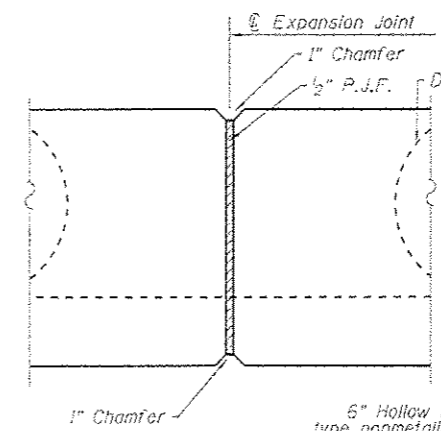
STATION T307-19.63  
BUILT BY  
STATE OF ILLINOIS  
F.A.I. RTE. 90/94-SEC. 2013-008R  
LOADING HL-93  
STRUCTURE NO. 016-1802

**NAME PLATE**

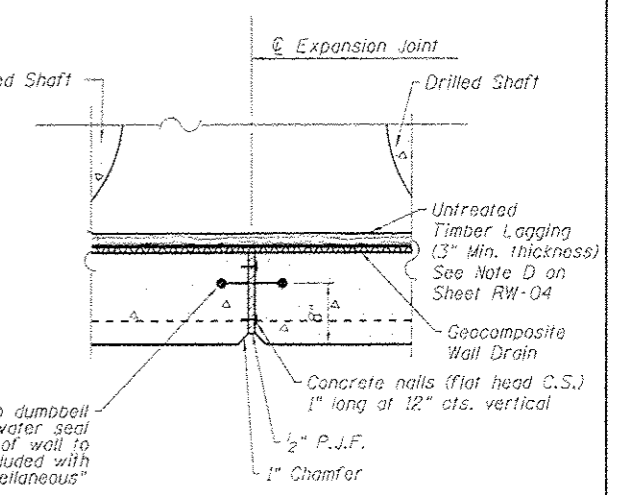
See Sta. 515001  
(For location of Name Plate, see Sheet RW-05)



**STRUCTURE EXCAVATION**



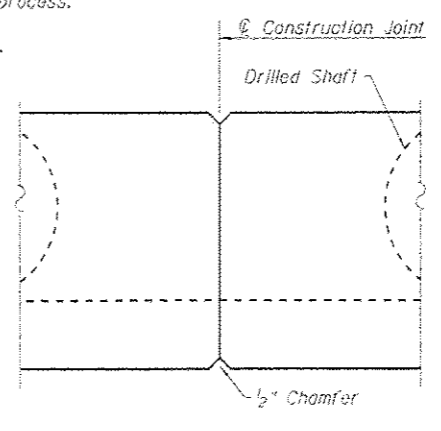
**PLAN**  
(Cap)



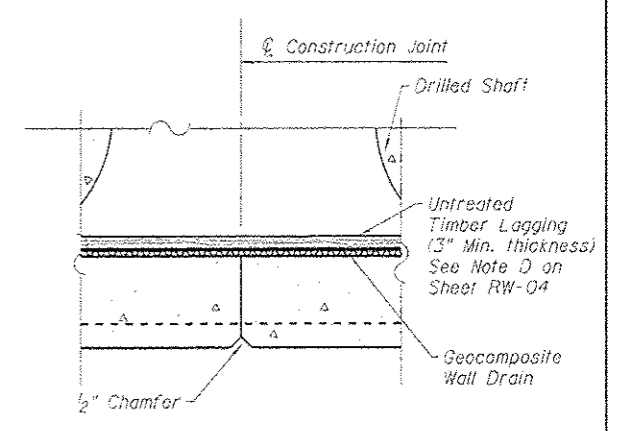
**SECTION THRU WALL**

**Suggested Construction Sequence**

1. Construct drilled shaft 1 thru 1A.
2. Construct drilled shaft cap & parapet.
3. Excavate in front of shafts to finish grade, installing lagging system in the process.
4. Construct concrete fascia panel.



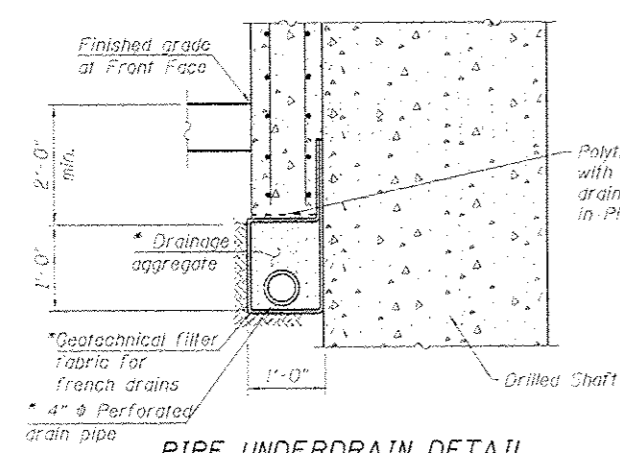
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(Cap)



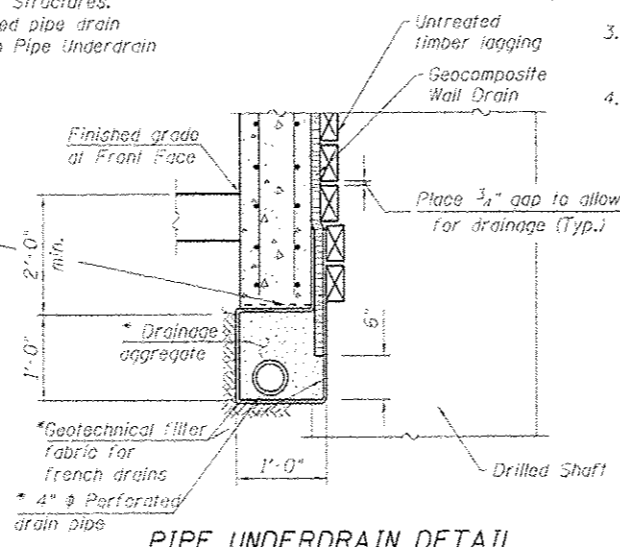
**SECTION THRU WALL**

**CONSTRUCTION JOINT DETAILS**

\*Included in the cost of Pipe Underdrains for Structures. The pipe shall connect into the 4"  $\phi$  Perforated pipe drain of the West Abutment (S.M. 016-1713) and into Pipe Underdrain PU-1 at the South Abutment (S.M. 016-1716).



**PIPE UNDERDRAIN DETAIL**  
(At Drilled Shaft)  
(Type F barrier not shown for clarity)



**PIPE UNDERDRAIN DETAIL**  
(Between Drilled Shaft)  
(Type F barrier not shown for clarity)

Entire Sheet Revised

**AECOM**

USER NAME: dunkerlayb  
DESIGNED: ATB  
CHECKED: DD  
DRAWN: BRD  
CHECKED: ATB

PLGT SCALE: N.T.S.  
PLGT DATE: 3/15/2013

REVISIONS

10/15/2013 A.T.B.  
REVISOR: A.T.B.  
REVISION: (Symbol)

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TOTAL BILL OF MATERIAL AND GENERAL NOTES  
STRUCTURE NO. 016-1802

SHEET NO. RW-02 OF RW-08 SHEETS

F.A.I. RTE. 90/94/2901	SECTION 2013-008R	COUNTY COOK	TOTAL SHEETS 559	SHEET NO. 454
CONTRACT NO. 60W26			ILLINOIS FED. AID PROJECT	