

**TYPICAL CROSS-SECTION**

(Looking upstasion)

**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. of S.N. 016-1716 & West Abut. of S.N. 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. | 162       |
| CONCRETE SUPERSTRUCTURE           | CU. YD. | 36        |
| REINFORCEMENT BARS, EPOXY COATED  | POUND   | 14,150    |
| REINFORCEMENT BARS                | POUND   | 1,016,700 |
| NAME PLATES                       | EACH    | 1         |
| DRILLED SHAFT IN SOIL             | CU. YD. | 2,011     |
| CONCRETE SEALER                   | SQ. FT. | 6,363     |
| PIPE UNDERDRAIN FOR STRUCTURES 4" | FOOT    | 170       |
| CLASS SI CONCRETE MISCELLANEOUS   | CU. YD. | 127       |
| MECHANICAL SPLICERS               | EACH    | 1304      |
| CROSSHOLE SONIC LOGGING           | EACH    | 1         |

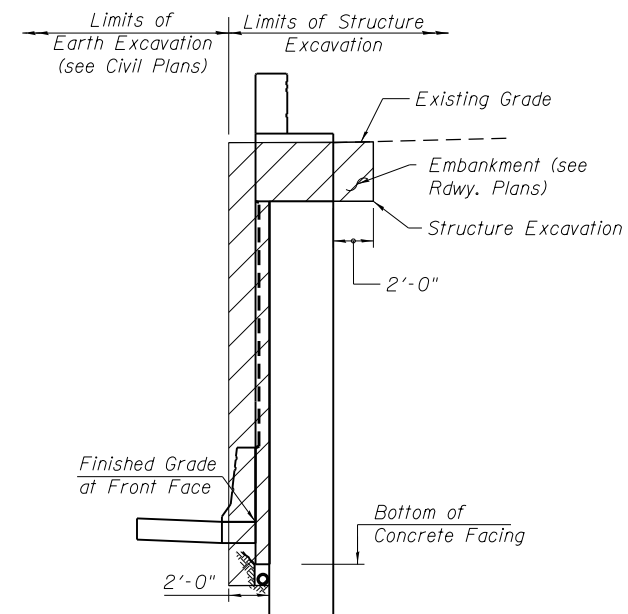
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- RW-02 Total Bill of Material and General Notes
- RW-03 Wall Elevation Detail
- RW-04 Wall Sections and Details
- RW-05 Architectural Details
- RW-06 Boring Logs I
- RW-07 Boring Logs II
- RW-08 Boring Logs III
- RW-09 Boring Logs IV

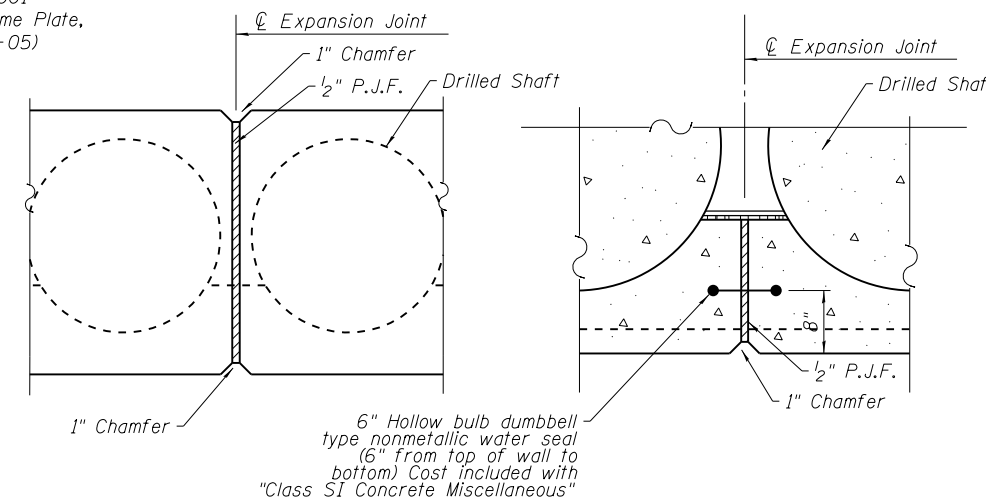
STATION 7307+19.63  
BUILT BY  
STATE OF ILLINOIS  
F.A.I. RTE. 90/94-SEC. 2013-008R  
LOADING HL-93  
STRUCTURE NO. 016-1802

**NAME PLATE**

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



**STRUCTURE EXCAVATION**



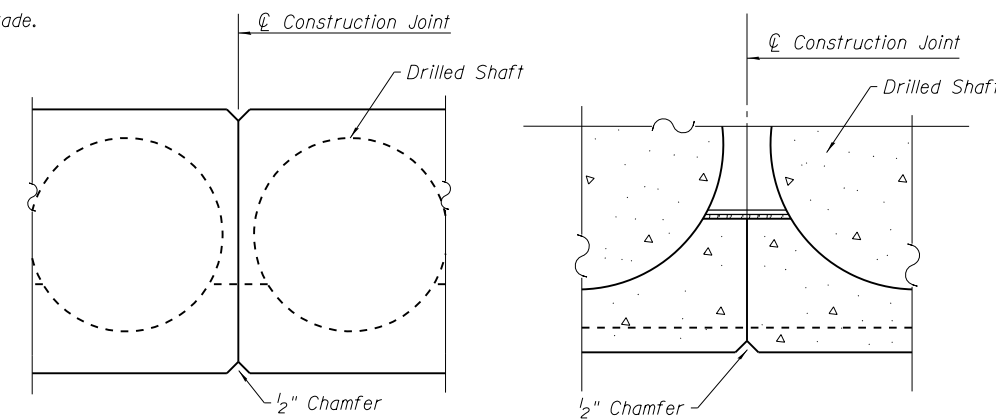
**PLAN (Cap)**

**SECTION THRU WALL**

**EXPANSION JOINT DETAILS**

**Suggested Construction Sequence**

1. Construct drilled shaft 1 thru. 24.
2. Construct drilled shaft cap & parapet.
3. Excavate in front of shafts to finish grade.
4. Construct concrete fascia panel.

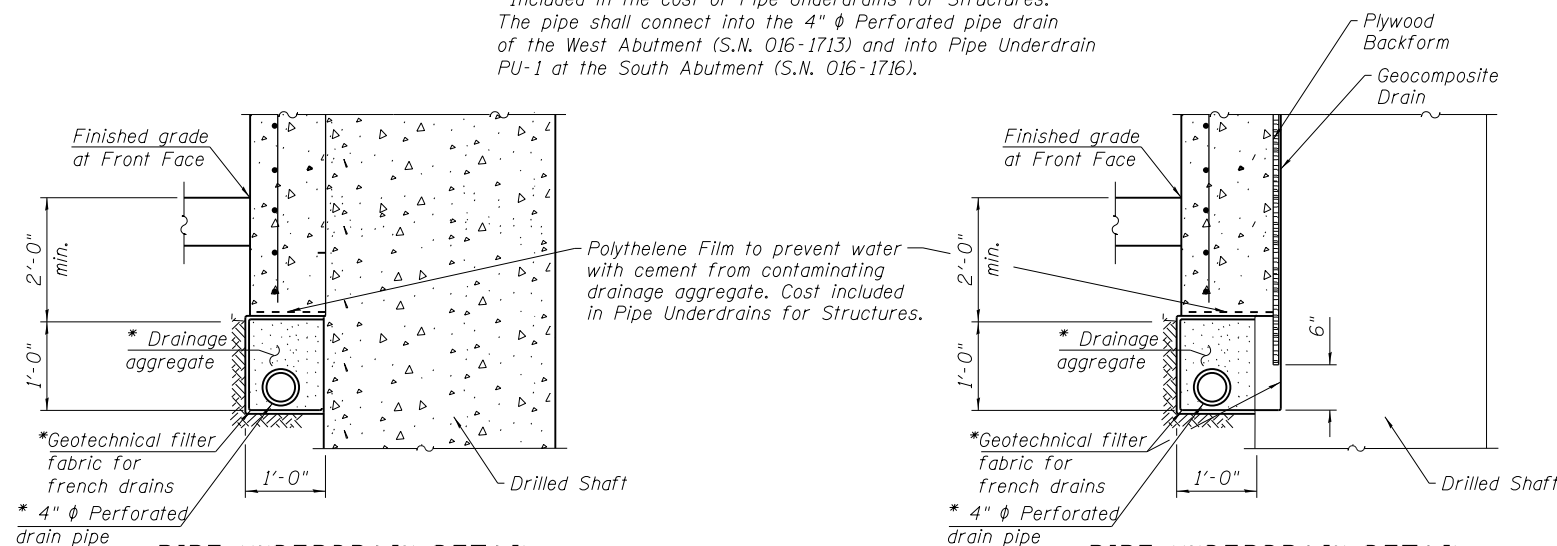


**PLAN (Cap)**

**SECTION THRU WALL**

**CONSTRUCTION JOINT DETAILS**

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

0161802-50W26-502-CenNote



|                        |                |         |
|------------------------|----------------|---------|
| USER NAME = dunkerleyb | DESIGNED - ATB | REVISED |
| PLOT SCALE = N.T.S.    | CHECKED - DD   | REVISED |
| PLOT DATE = 9/15/2013  | DRAWN - BRD    | REVISED |
|                        | CHECKED - ATB  | REVISED |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

SHEET NO. RW-02 OF RW-08 SHEETS

|                       |                   |             |                           |               |
|-----------------------|-------------------|-------------|---------------------------|---------------|
| F.A.I. RTE. 90/94/290 | SECTION 2013-008R | COUNTY COOK | TOTAL SHEETS 559          | SHEET NO. 454 |
| CONTRACT NO. 60W26    |                   |             | ILLINOIS FED. AID PROJECT |               |