



GENERAL NOTES:

1. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60.
2. All exposed concrete edges shall be chamfered 3/4" unless otherwise noted.
3. All construction joints shall be bonded.
4. The contract unit price "Each" for Drop Box, No. 3 shall include the Concrete Structures, Reinforcement Bars, earth excavation where required, backfilling and necessary grading to fit the structure as shown, or to the slope.
5. The contract unit price "Foot" for Traversable Pipe Grates shall include the steel pipe grate System, steel plates, bolts, nuts and washers.
6. Steel pipes shall conform to A.S.T.M. A-53 (Type E or S) Grade B. Schedule 40 & shall be galvanized conforming to A.S.T.M. A-120.
7. Steel plates shall conform to AASHTO M-183 & shall be galvanized conforming to AASHTO M-111.
8. Bolts, nuts, & washers shall be in accordance with Article 1006.08 of the Standard Specifications and shall be galvanized.
9. Contractor shall field verify galvanized pipe length.
10. The minimum distance from the center of a hole to the free edge of a structural shape or plate shall be 1/2" unless noted otherwise.
11. Bolts shall be snug tightened by a few impacts of an impact wrench or the full force of a worker using an ordinary spud wrench.
12. This work shall be done according to the applicable portions of 501, 503, 505, 508, and 540 of the Standard Specifications.
13. Fabrication of the Steel Pipe Grate System shall conform to the requirements in Section 505 of the Standard Specifications unless noted otherwise.
14. 10" pipe drain will be incorporated into the construction of the drop box wall. See Detail.

DESIGN STRESSES

FIELD UNITS
 $f'_c = 3,500 \text{ psi}$
 $f_y = 60,000 \text{ psi (Reinforcement)}$

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Drop Box, No. 3	Each	1
Traversable Pipe Grates	Foot	14



David F. Maxwell, S.E. Reg. No. 081-005455
 Date: 10/11/12
 My registration expires November 30, 2012

**PLAN AND ELEVATION
 DROP BOX NO. 3 RT
 STATION 397+32**

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