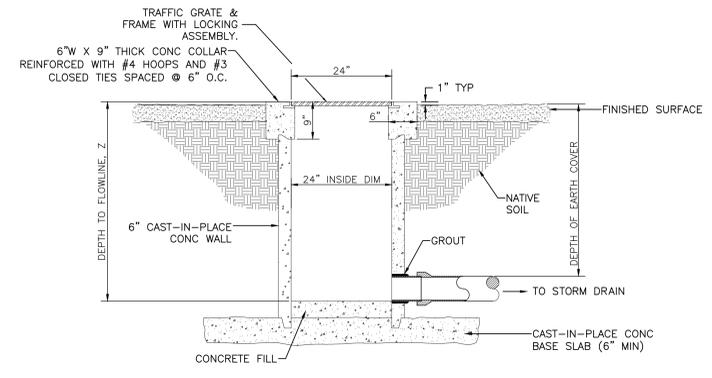
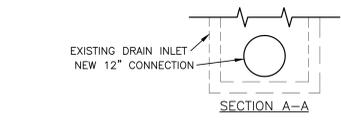
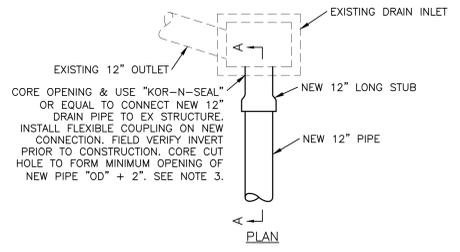


C1 DRAINAGE CLEANOUT
NOT TO SCALE



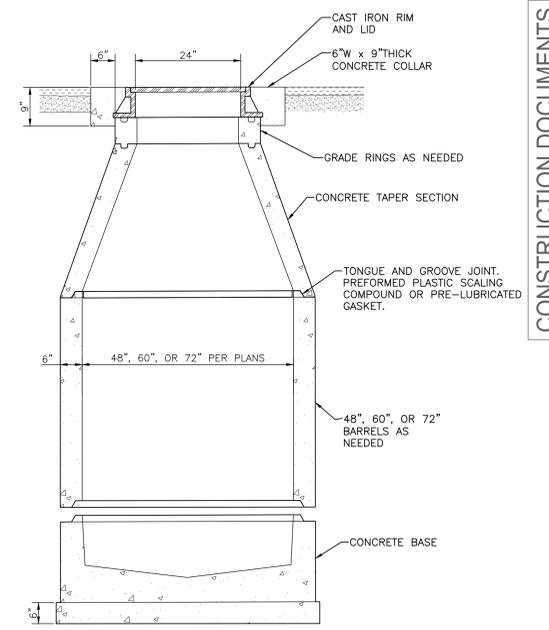
- NOTES:
1. MINIMUM WALL THICKNESS IS 6" FOR CAST-IN-PLACE CONCRETE.
 2. REINFORCE CAST-IN-PLACE WALLS WITH #4 BARS AT 12" O.C. EACH WAY WITH 2" MIN COVER FROM INSIDE FACE.
 3. CONTRACTOR MAY PROVIDE PRECAST DRAIN INLET.

C3 DRAIN INLET
NOT TO SCALE



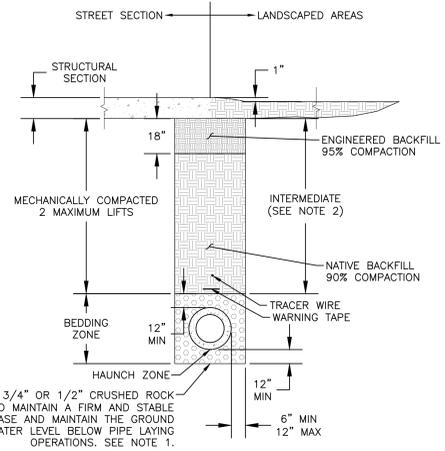
- NOTES:
1. INVERT ELEVATION OF 12" LONG STUB AT THE INSIDE FACE OF DRAIN INLET SHALL MATCH EXISTING OUTLET ELEVATION.
 2. THE CORE CUT HOLE SHALL BE MADE WITH EQUIPMENT SPECIALLY DESIGNED TO CUT A SMOOTH HOLE WITHOUT SPALLING OR DAMAGE TO THE STRUCTURE.
 3. PIPE CONNECTION THROUGH DRAIN INLET WALL SHALL BE MADE WITH GROUTING RING.

C6 CONNECTION TO EX DRAIN INLET
NOT TO SCALE



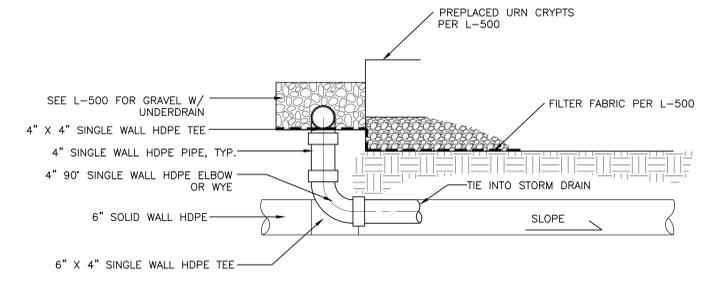
- NOTE:
- INSTALL STEPS ON DOWNSTREAM SIDE PER SPECIFICATIONS.

C8 STORM DRAIN MAINTENANCE HOLE
NOT TO SCALE



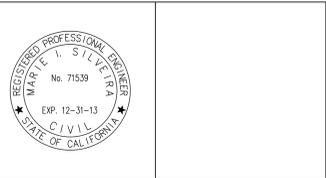
- NOTES:
1. BEDDING ZONE SHALL CONSIST OF 3/4" OR 1/2" CRUSHED ROCK PER ASTM C-12. CRUSHED ROCK SHALL BE PLACED IN A MANNER SUCH AS SHOVEL-SLICING SPADE OR SHOVEL RODDING TO INSURE CONSOLIDATION OF HAUNCH ZONE.
 2. INTERMEDIATE BACKFILL REQUIREMENTS SHALL BE AS REQUIRED BY THE SOILS ENGINEER.

F1 TRENCH BACKFILL
NOT TO SCALE

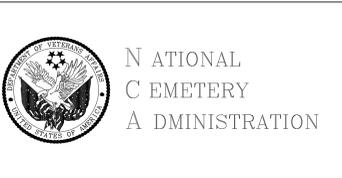


F7 UNDERDRAIN CONNECTION TO STORM DRAIN SYSTEM
NOT TO SCALE

Revisions	Date



Subconsultant List	
AQUA ENGINEERING, INC.	4803 INNOVATION DRIVE, FORT COLLINS, CO 80525 (970) 229-9668
THE SIERRA WEST GROUP, LLC	9700 BUSINESS PARK DRIVE, SUITE 102, SACRAMENTO, CA 95827 (916) 925-4000



Sheet Title	GRADING & DRAINAGE SECTIONS & DETAILS
Approved: Director, Office of Construction Management	
Approved: Director, Project Management Service	

Project Title	LOUISIANA NATIONAL CEMETERY GRAVESITE EXPANSION PHASE 1D
Building Number	
Location	LOUISIANA NATIONAL CEMETERY ZACHARY, LOUISIANA

Date	AUGUST 5, 2013
Project No.	870CM3023D
Checked	MIS
Drawn	SGA
Sheet Reference	L-302
	SH. 12 OF 19