



NOTE: FIELD VERIFY ALL ACCESSORY & PIPE LOCATIONS WITH ENGINEER PRIOR TO PLACEMENT.

- ① DENOTES DETAIL NUMBER
① DENOTES PAGE NUMBER
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- ▲ DENOTES SECTION LETTER
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NOTES

- Materials & Services Furnished by Others:
- Clearing of the site, excavating, filling, and compacting to an elevation 4" below top of floor slab on a 100' diameter circle including a 15' wide work road around tank.
 - Dewatering of the 100' diameter work area, if necessary.
 - Furnishing adequate working and open storage space for construction equipment and materials.
 - Providing water and electricity for construction, located no more than 100' from tank.
 - Furnishing and installing all mechanical and electrical equipment.
 - Testing of the tank for leakage including water for filling.
 - Backfilling and final landscaping.
 - Material Testing:
Concrete/shotcrete: (Three cylinders per set) Test one at 7 days, one at 28 days, and hold one. One set every 50 yards.
- Materials & Services Furnished by The Crom Corporation:
- A. Concrete: Use Type I/II Cement.
 - Floor: 4000 psi mix, 3/4" aggregate, 5% max. air content, 4" slump soft broom finish.
 - Dome: 4000 psi mix, 3/8" aggregate, 5% max. air content, 4" slump soft broom finish.
 - Wall: grout/shotcrete f'g = 4000 psi 5% max. air content, 4" slump
 - B. Supplying and installing under tank piping including concrete encasement:
 - 8" DIP inlet line
 - 12" DIP interconnect/drain line
 - C. Curing: (7 days minimum)
 - Continuously water cure floor and walls during tank construction.
 - Water cure dome until prestressing is complete.
 - D. Reinforcing Steel:
 - ASTM A615 grade 60, lap splices 38 bar diameters.
 - Welded Wire Fabric: ASTM A185 welded steel.
 - E. Prestressing Wire: Meets ASTM A821-93 Type B
 - Diameter: 0.1620 in. (8 gauge)
 - Area: 0.0206 sq-in.
 - Ultimate Strength: 231,000 psi
 - Initial Stress: 145,600 psi
 - Working Stress: wall: 115,000 psi
dome ring: 120,000 psi
 - F. Steel shell diaphragm: Meets ASTM A366, 26 gauge.
 - G. Paint Schedule (color selected by owner):
 - Exterior surfaces: Two coats of Tnemec Series 156
 - H. Standard Accessories:
 - Stainless steel wall manhole
 - 50" fiberglass ventilator
 - Fiberglass roof hatch with lockable cover
 - Interior fiberglass ladder with stainless steel TS safety rail with storage bin for extension
 - Exterior aluminum ladder with safety cage, lockable security gate and TS safety rail with trolley & harness
 - 200 square inch precast overflow, 4 req.
 - I. Special Accessories:
 - Aluminum dome handrail with self-closing gate and toe board on dome edge
 - Dome probe curb

AS-BUILT

DEPARTMENT OF VETERANS AFFAIRS MEDICAL CENTER
BACK-UP WATER SUPPLY
VA CONTRACT No. V516C-981
VA PROJECT NO. 516-05-301
JANUARY 2006

TANK BUILDER:
THE CROM CORPORATION
GAINESVILLE, FLORIDA

OWNER:
DEPARTMENT OF VETERANS AFFAIRS
BAY PINES, FLORIDA

CONSULTING ENGINEER:
ANDREYEV ENGINEERING
SANFORD FLORIDA

TANK DESCRIPTION:
500,000 GALLON RESERVOIR

TANK DIMENSIONS:
70'0" ID x 17'4" SWD

DATE: 01/10/06

DRAWN: OEA

CHECKED:

APPROVED:

DESIGNED:

REV.	DESCRIPTION	DATE CK. BY
▲	REVISED PIPE LAYOUT	02/01/06
▲	REVISED 8" DIP INLET CONFIGURATION, ADDED DOME PROBE CURB, REVISED NOTE.	03/10/06
▲	REVISED 8" DIP INLET	06/07/06

WHERE STANDARD SPECIFICATIONS ARE IN CONFLICT WITH CROM CORPORATION SPECIFICATIONS OR WITH GOOD PRESTRESSING OR SHOTCRETE PRACTICES THE STANDARD SPECIFICATIONS SHALL BE SUBORDINATED.
THIS DESIGN AND DRAWING ORIGINATED BY AND THE EXCLUSIVE PROPERTY OF THE CROM CORPORATION.

BAR IS ONE INCH ON ORIGINAL DRAWINGS 0 1"

SCALE: 2' 0 5' 10' 3/32"=1'0"

FILE NO. 05068B

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