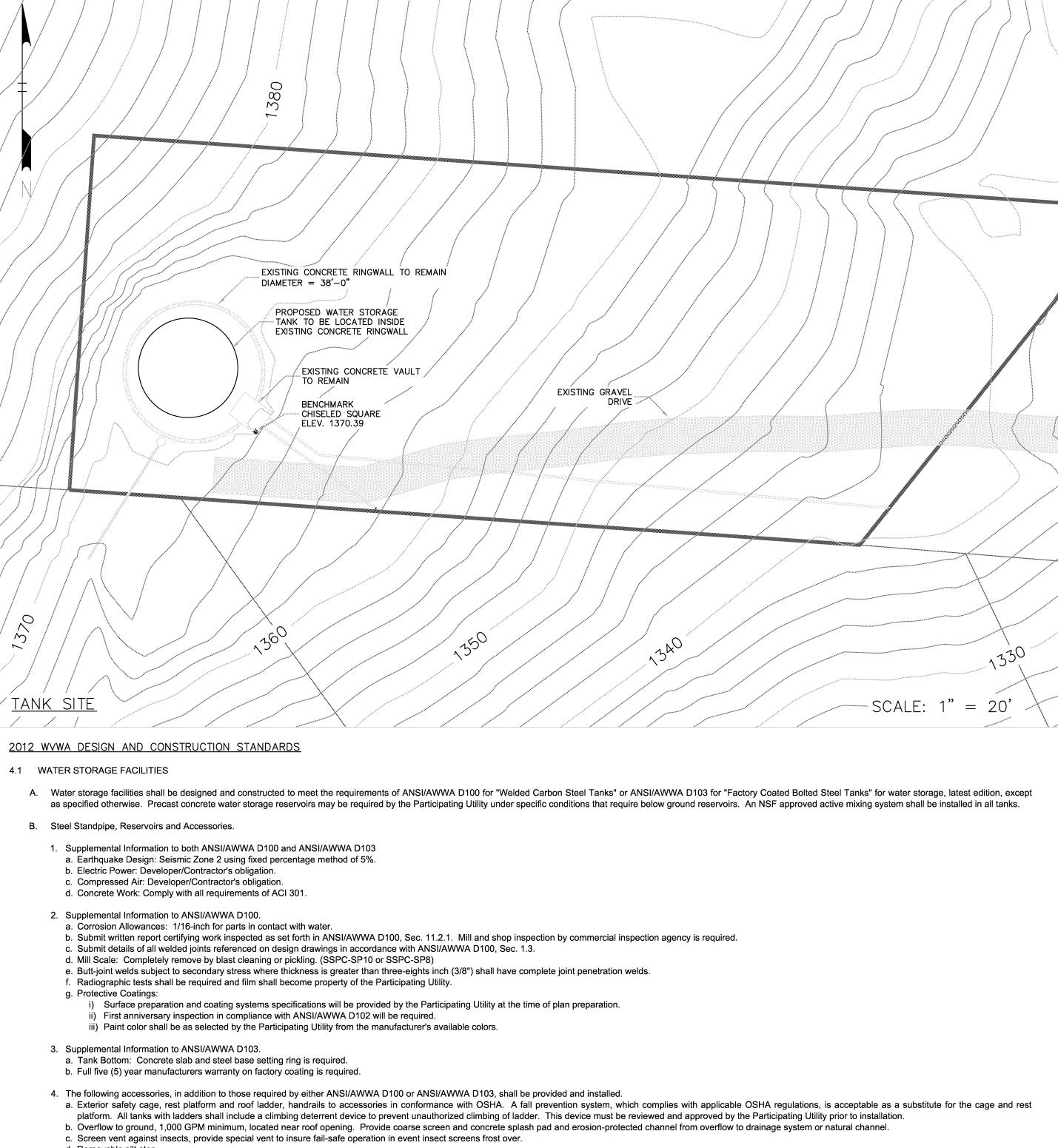


1. CONTRACTOR TO FURNISH AND INSTALL ALL MATERIAL REQUIRED TO CONNECT TO EXISTING INLET/OUTLET PIPING AND DRAIN LINE AND EXTEND PIPING TO PROPOSED TANK. ALL EXCAVATION BACKFILL AND COMPACTION SHALL BE PERFORMED BY CONTRACTOR. EXISTING CONCRETE VAULT SHALL BE SAW CUT BY CONTRACTOR AS NECESSARY TO EXTEND PIPING TO PROPOSED TANK.



d. Removable silt stop.e. Separate drain line to drainage system or natural channel with erosion protection.

f. SCADA System to indicate water level in order to comply with VDH requirements.

C. Disinfection

1. After all painting and coating schedules have been completed and the specified drying times have elapsed, the Developer/Contractor shall proceed to disinfect the interior surfaces of the standpipe structure utilizing one of the following

disinfection methods:
a. Tank shall be filled to overflow level with potable water to which enough chlorine has been added to produce an initial chlorine concentration of 50 mg/l in the full tank. The full tank should stand for 24 hours; however, in no case, shall it

stand less than 6 hours. At the end of the holding period, the highly chlorinated water shall be drained to waste, the tank refilled with potable water and tested for bacteriological quality.

b. All interior surfaces of the tank shall have applied to them a strong chlorine solution containing at least 200 mg/l of free available chlorine. The chlorine solution shall be applied with either spray equipment or brushes. Any equipment

used to apply the chlorine solution shall either be new or previously used only for disinfection purposes. Strong chlorine solution shall remain in contact with tank surfaces for at least 30 minutes. Tank shall then be filled with potable water to overflow level and tested for bacteriological quality.

c. Potable water containing a free chlorine residual 50 mg/l shall be placed in the tank to such a depth that when the tank is filled, the resulting chlorine concentration in the water will be at least 2 mg/l. The water containing 50 mg/l of chlorine shall stand in the tank for 24 hours. The tank shall then be filled with potable water and allowed to stand for 24 hours. At the end of the second 24-hour period, the chlorine residual shall be at least 2 mg/l. After bacteriological analysis of the water for quality, the tank may be placed in service without draining the water used to disinfect it.

2. Two consecutive bacteriological samples collected at 24-hour intervals shall be obtained from the standpipe structure before the tank is placed into service. The bacteriological test form shall be marked "CONSTRUCTION SAMPLE". Analysis of the samples shall be performed by a laboratory certified by the Division of Consolidated Laboratory Services (DCLS). If contamination is indicated in the bacteriological samples, the disinfection procedure shall be repeated at the Developer/Contractor's expense.

Designed: RRB
Drawn: RRB
Checked: RWB
Approved:
Date: 01/02/13
Project:

Sheet 2 of 4

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NOT TO SCALE