STORAGE TANKS DISINFECTION - USE ONE OF THESE PROCEDURES #1 DIRECT APPLICATION OF STRONG CHLORINE SOLUTION TO INNER SURFACES. <u>CHLORINE SOLUTION</u> — DISOLVE ONE OUNCE CHLORIDE OF LIME AS A PASTE IN EACH GALLON OF CLEAN WATER; OR ONE OUNCE OF HTH OR PERCHLORON AS A PASTE IN EACH 26 GALLONS OF CLEAN

WATER OR ADD 4 FLUID OUNCES OF 5% LIQUID BLEACH TO EACH 8 GALLONS OF CLEAN WATER; OR ADD 4 FLUID OUNCES OF 15% LIQUID BLEACH TO EACH 24 GALLONS OF CLEAN WATER. EACH OF THESE SOLUTIONS HAS A 220 mg/1 CONCENTRATION OF AVAILABLE CHLORINE. APPLICATION SPRAY THE CHLORING SOLUTION OVER THE INNER SURFACE OF THE CLEANED, EMPTY STRUCTURE USING TREE-SPRAYING

EQUIPMENT, OR WHITE WASH BRUSHES. USE SAFETY PRECAUTIONS FOR THE PERSONNEL IN THE TANK. <u>CONTACT PERIOD</u> — THE CHLORIINE SOLUTION SHOULD REMAIN ON THE SURFACE FOR <u>NOT</u> LESS THAT 30 MINUTES. AFTER THAT THE STRUCTURE IS FILLED WITH WATER. #2 ADDING DISINFECTANT TO WATER AS STRUCTURE IS FILLED. CHLORINE SOLUTION - DISSOLVE (PASTE) 10 LB. CHLORIDE OF LIME AS A PASTE OR D LB. HTH OR PERCHLORON AS A PASTE IN EACH 1000 GALLONS OF WATER NEEDED TO FILL THE STRUCTURE. THIS GIVES A

CONCENTRATION OF 50 MG/1 AVAILABLE. CHLORINE. ADD PASTE IN BATCHES AS STRUCTURE IS BEING FILLED. CONTACT PERIOD - ALLOW THE CHLORINATED WATER TO REMAIN IN THE STRUCTURE NOT LESS THAN 6 HOURS, AND PREFERABLY 24 HOURS, BEFORE EMPTYING TO WASTE AND REFILLING WITH POTABLE WATER.

GENERAL NOTES:

- 1. FOUNDATION DESIGN TO BE SUPPLIED BY THE MANUFACTURER AND SEALED BY A LICENSED ENGINEER.
- 2. TOP OF RING WALL TO BE FINISHED TO TOLERANCE OF 1"± AROUND CIRCUMFERENCE.
- 3. STORAGE TANK DESIGN TO CONFORM TO AWWA STANDARD D100
- 4. PROVIDE LIGHTNING PROTECTION PER NFPA 78, SECTION 4-4. 5. INTERIOR AND EXTERIOR FACTORY COATED PER AWWA STANDARD D103.

6. PROVIDE DRESSER COUPLINGS WITHIN 5'-0" OF ALL TANK FLANGES

- TO AVOID SHEARING ACTION CAUSED BY SETTLING. 7. ALL COATINGS AND MATERIALS THAT COME IN CONTACT WITH OR AFFECT THE QUALITY OF THE WATER SHALL BE ANSI/NSF
- STANDARD 61 CERTIFIED. 8. DISINFECTION OF TANK TO BE PER AWWA STANDARD C652. 9. DECHLORINATION OF STORAGE TANK AND SUPPLY LINES ARE TO BE
- IN ACCORDANCE WITH 10-STATES STANDARDS FOR WATER WORKS PART 7.0.18 DISINFECTION AND NYSDEC CODE REQUIREMENTS ON

DISPOSAL OF CHLORINATED WATERS INTO THE ENVIRONMENT.

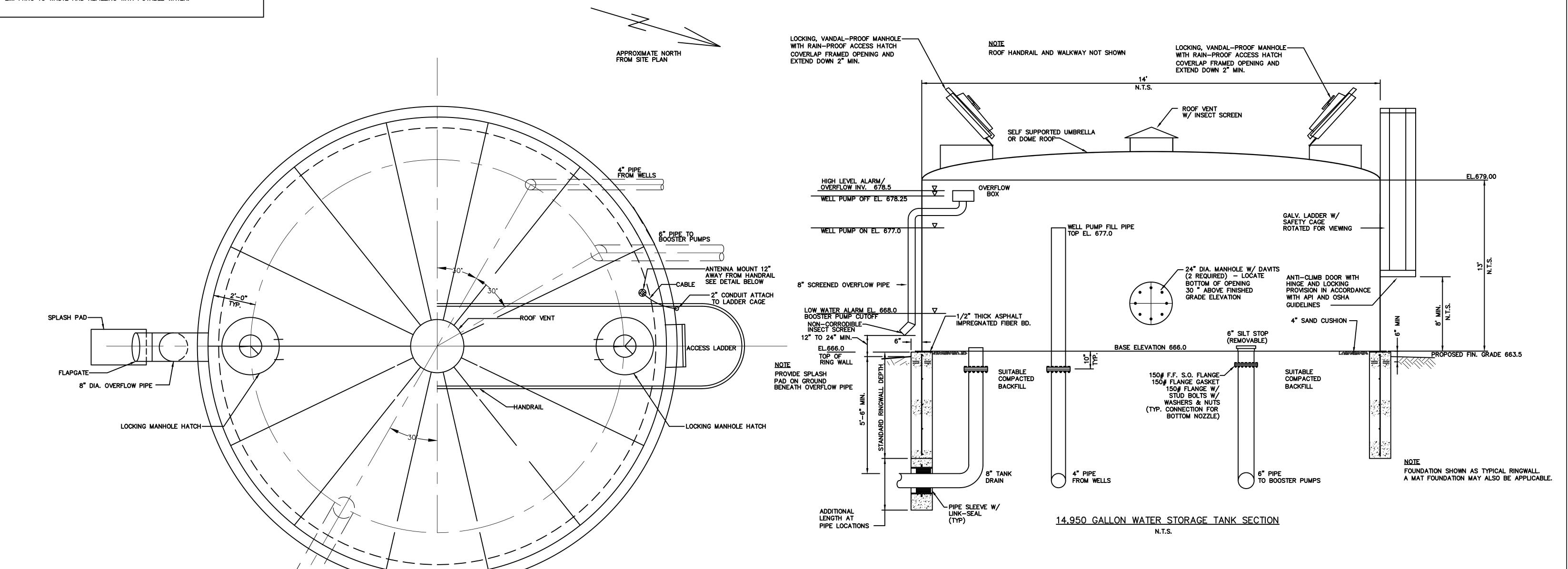
CONTRACTOR MUST SUPPLY PROPER TABLET DECHLORINATION.

PLAN VIEW

TANK NOTES:

- 1. USE D.I. PIPE WITHIN AND UNDER FOUNDATION. 2. LINES IN TANK SECTION ROTATED IN VIEW FOR CLARITY.
- 3. PROVIDE FOUNDATION DRAIN TO DAYLIGHT AS NECESSARY. 4. STORAGE TANK TO BE CST INDUSTRIES, INC. AQUASTORE FACTORY COATED BOLTED CARBON STEEL POTABLE WATER TANK, OR EQUAL. COLOR = FOREST GREEN UNLESS OTHERWISE DIRECTED BY
- . COORDINATE WITH MANUFACTURER'S SHOP DRAWINGS AND
- FOUNDATION DESIGN PRIOR TO CONSTRUCTION. . PROVIDE A FULL TRAVEL LIQUID LEVEL INDICATOR ON EXTERIOR OF STORAGE TANK.
- . ESTABLISH ANCHOR BOLT PLACEMENT FROM MANUFACTURER SHOP DRAWINGS AND / OR TEMPLATE PROVIDED BY
- 3. TANK IS SHOWN AS TYPICAL, WITH CRITICAL ELEVATIONS AND DIMENSIONS PROVIDED. REFER TO MANUFACTURER'S SHOP DRAWINGS/PRODUCT LITERATURE.

PRESUMPTIVE SOIL BEARING CAPACITY OF 2000 PSF USED FOR FOUNDATION DESIGN CONTRACTOR SHALL NOTIFY DESIGN ENGINEER IF 2000 PSF ACTUAL BEARING CAPACITY CAN NOT BE DEVELOPED.



DRAWING NOTES:

WARNING: IT IS A VIOLATION OF THE STATE REGISTRATION LAW FOR ANY PERSON TO IN ANY WAY ALTER THIS DOCUMENT BEARING THE SEAL OF A PROFESSIONAL ENGINEER, UNLESS THAT PERSON IS ACTING UNDER THE SPECIFIC DIRECTION OF THE LICENSED PROFESSIONAL ENGINEER.

- 4 BOLT FLANGE

3'-0"

ANTENNA MOUNTING DETAIL

-4" STEEL PIPE WELDED TO TANK ROOF

PRELIMINARY-**NOT FOR** CONSTRUCTION

2 PER NYSDOH 10/21/21 COMMENTS MPG 11/15/21 1 PER NYSDOH 7/14/21 COMMENTS MPG 8/3/21
2 PER NYSDOH 10/21/21 COMMENTS MPG 11/15/21

AMILNES MILNES ENGINEERING INC. PLANNING • DESIGNING • ENGINEERING SURVEYING • CONSTRUCTION SERVICES 12 FREAR HILL ROAD TUNKHANNOCK, PA 18657

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WATER STORAGE TANK PLAN AND DETAILS COMMERCIAL CAMPUS AT FIELDS CORNER PUBLIC WATER SUPPLY PERMIT TOWN OF SOUTHEAST, PUTNAM COUNTY, NY

DRAWN: MPG DATE: 4/2021 CHK'D: SCALE: NTS DATE: DRAWING NUMBER AUTOCAD FILE G: /E-2121/CAMPUS T-1 PROJECT NUMBER