

MARAWOOD STRUCTURES 7,500 GALLON HOLDING TANK

THE CONCRETE USED IN THE CONSTRUCTION OF THE SITE-CONSTRUCTED HOLDING TANK SHALL BE A MIX TO WITHSTAND A MIN. COMPRESSIVE LOA OF 3,000 POUNDS PER SQUARE INCH. TANK TO BE DESIGNED TO WITHSTAND THE PRESSURE TO WHICH THEY ARE SUBJECTED & REMAIN WATERTIGHT.

THE WATER/CEMENT RATIO WILL BE LESS THAN 0.45 FOR THE CONCRETE MIX TO RESIST DETERIORATION OF INTERNAL ENVIRONMENTAL EFFECTS.

COVER SHALL HAVE A MIN. OF 1/2" GRADE 40 REROD 16" O.C. & BE A MIN OF 8" THICK. COVER THICKNESS MAY BE INCREASED (10", 12") FOR INCREASED DEPTH OF BURY, AND/OR REROD O.C. SPACING INCREASED (12" O.C.), AND/OR LARGER DIAMETER REROD APPLIED (5/8", 3/4")

TANK SHALL HAVE A MIN. 7 DAY CURING TIME BEFORE BEING BACKFILLED. CURING TIME SHALL BE EXTENDED DUE TO OUTSIDE CONDITIONS (TEMPERATURE, WEATHER, SITE CONDITIONS) ALLOWING FOR TANK TO MEET THE MINIMUM P.S.I. AND PRESSURES TO WHICH THEY WILL BE SUBJECTED.

WHEN ANCHORING IS NEEDED, EITHER; A) ADDITIONAL WEIGHT ADDED TO THE COVER (ADDITIONAL CONCRETE), OR, B) EXTRA MATERIAL (FILL) ADDED OVER THE TANK. QUANTITY OF MATERIAL OVER TANK NOT TO EXCEED THE ALLOWABLE LIMIT THAT THE COVER IS DESIGNED FOR. IF QUANTITY OF MATERIAL EXCEEDS THE CAPACITY OF THE COVER, IT SHALL BE ADJUSTED ACCORDINGLY TO WITHSTAND THE INCREASED WEIGHT.

RISER AND COVER TO BE PRE-CAST, MANUFACTURED BY WILBERT VAULT WORKS INC. COVER AND RISER TO INCLUDE ALL NECESSARY WARNING LABELS, VENTING AND ACCESS.

TANK TO HOLD WATER FOR ONE HOUR, WITHOUT LEAKAGE AFTER THE TANK HAS BEEN FILLED WITH WATER TO THE TOP OF THE COVER AND LET STAND FOR 24 HOURS, THEN REFILLED TO THE TOP OF THE COVER.

QUALITY CONTROL AND SAFETY MEASURES SHALL BE IN PLACE & STRICTLY ADHERED TO DURING THE CONSTRUCTION OF THE TANK

TANK CALCULATION (Single)
8' Width x 16'-8" Length x 7'-6"
max water height = 7,480 gallons

Conditionally
APPROVED
DEPARTMENT OF COMMERCE
DIVISION OF SAFETY AND BUILDINGS
Michael J. Beckwith
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PHONE (715) 387-1256
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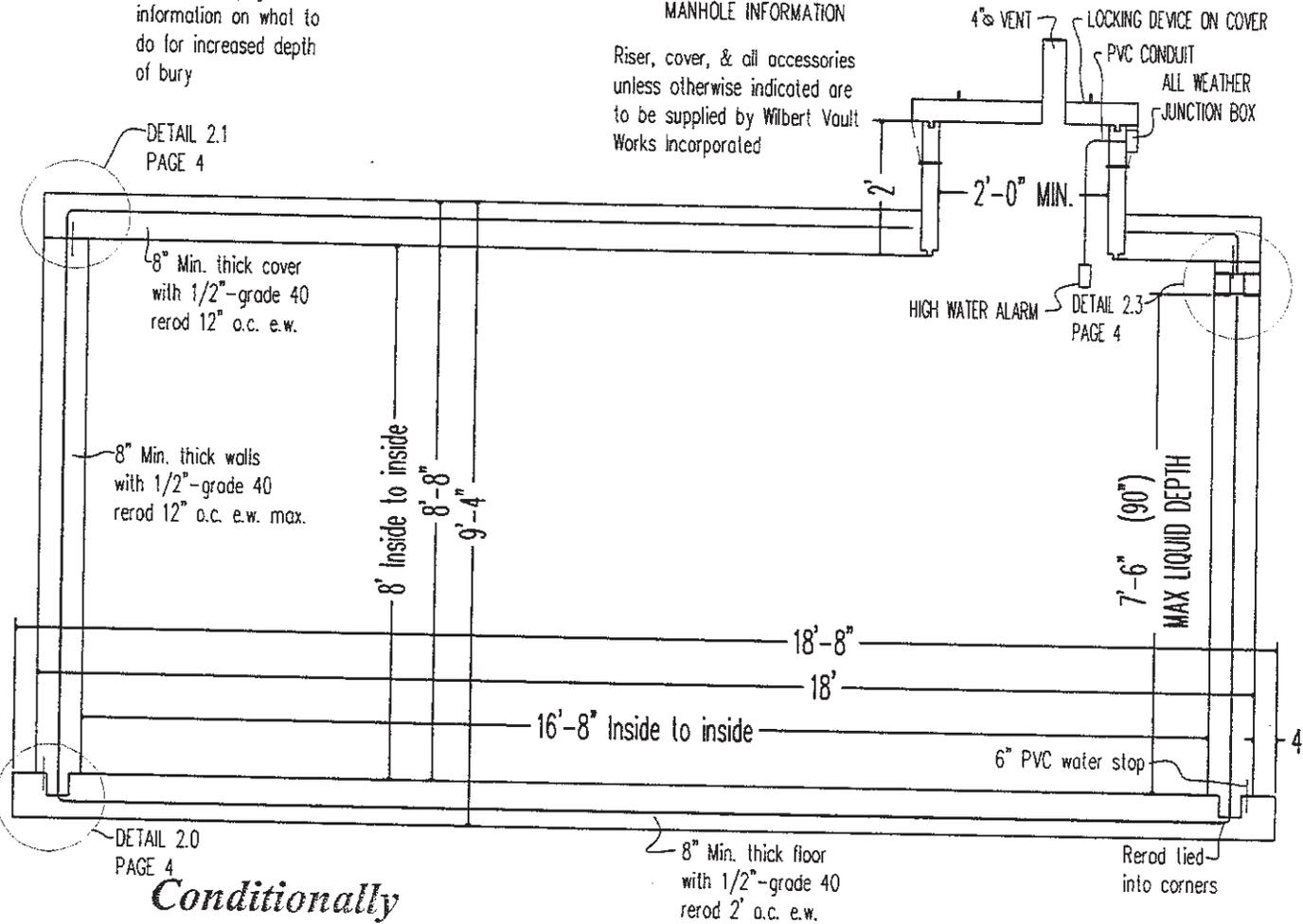
MARAWOOD STRUCTURES INC.
2025 WEST VETERANS PARKWAY
MARSHFIELD, WI 54449

DRAWN BY:
J. S. B.
DATE:
2/21/03
DESIGN NO.:
03014
CAD FILE:
Edraw/holdingtank
Hidtnk7500
SHEET
1 OF 5

NOTE: See page 1 for information on what to do for increased depth of bury

NOTE: SEE DETAIL 2.2, PAGE 4, FOR COMPLETE MANHOLE INFORMATION

Riser, cover, & all accessories unless otherwise indicated are to be supplied by Wilbert Vault Works Incorporated



CROSS SECTION A
SCALE: 3/8" = 1'

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MARAWOOD STRUCTURES
BRAND CONCRETE

MARAWOOD STRUCTURES INC.
2025 WEST VETERANS PARKWAY
MARSHFIELD, WI 54449

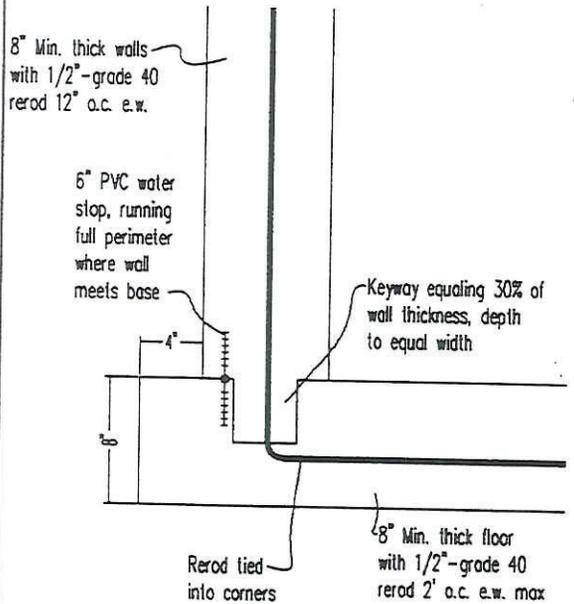
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J. S. B.

DATE:
2/21/03

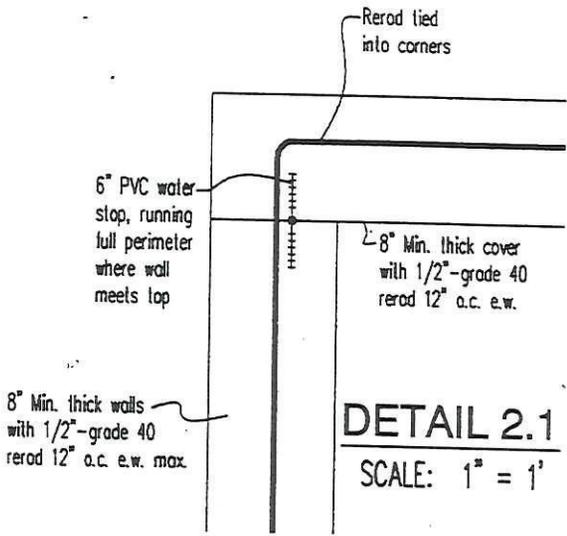
DESIGN NO.:
03014

SCALE:
As shown on drawing
Hldtrk7500

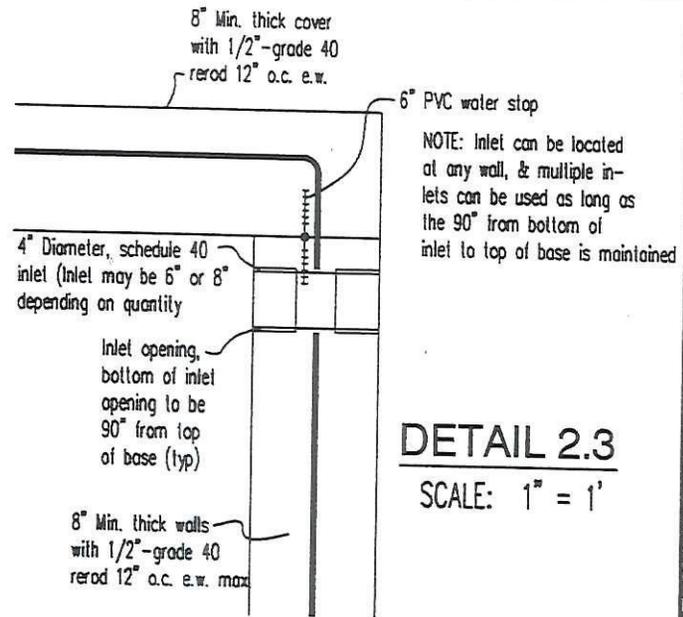
SHEET
3 OF 5



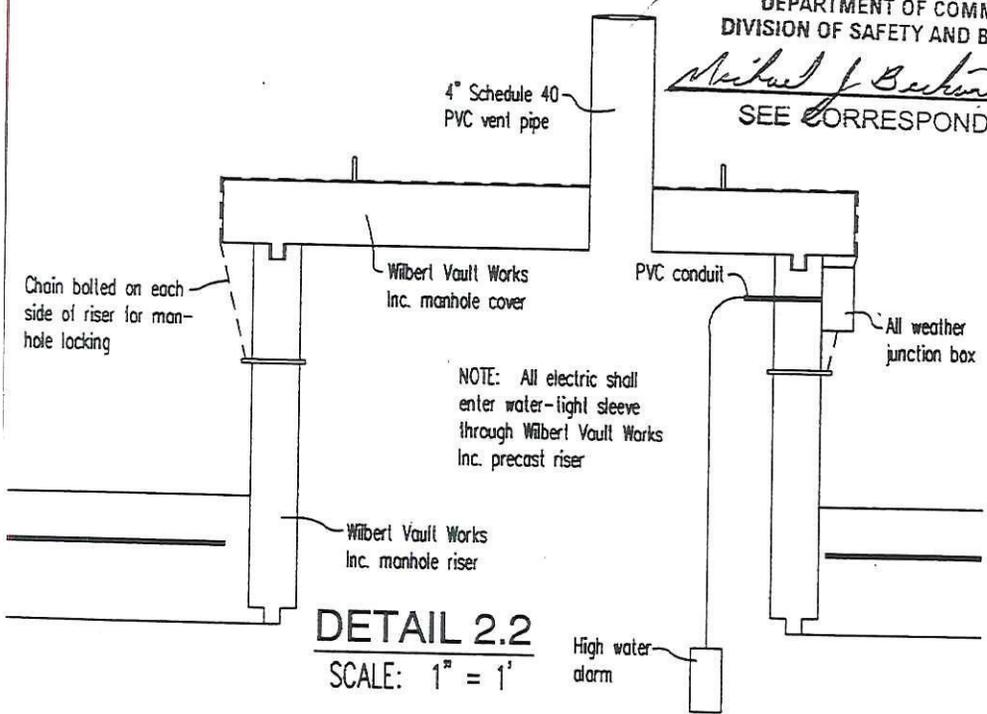
DETAIL 2.0
SCALE: 1" = 1'



DETAIL 2.1
SCALE: 1" = 1'



DETAIL 2.3
SCALE: 1" = 1'



DETAIL 2.2
SCALE: 1" = 1'

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DIVISION OF SAFETY AND BUILDINGS

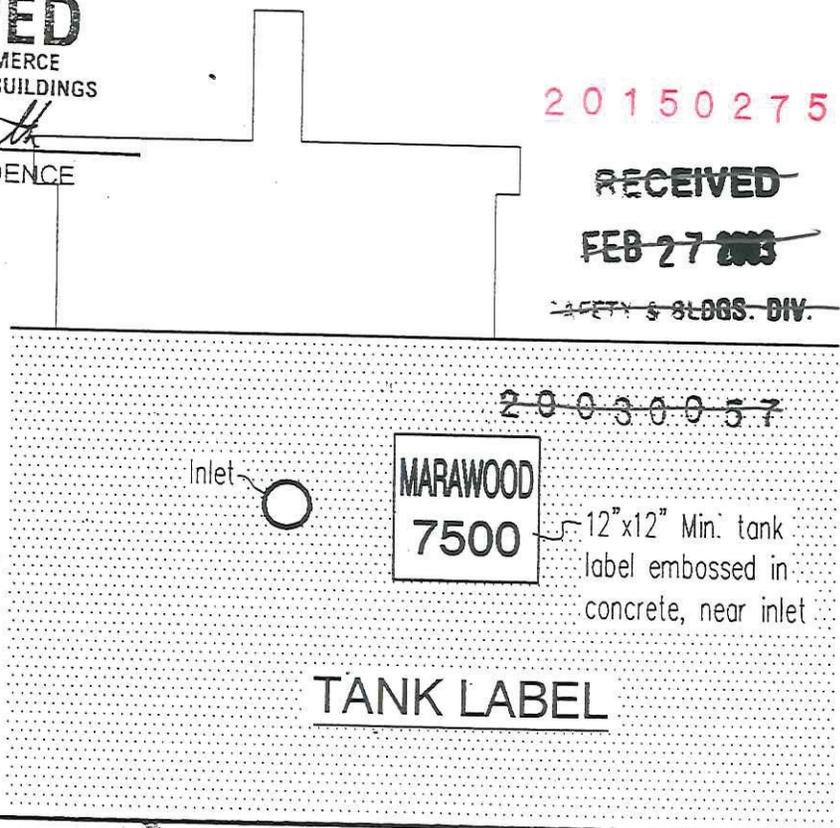
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