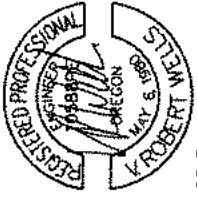


1500 GALLON SEPTIC TANK



RENEWAL 06-30-02

EE MARKUPS
6-2-2021

TANK CAPACITY	
RESERVE CAPACITY	191 GAL
LIQUID CAPACITY	1528 GAL
TOTAL VOLUME	1719 GAL
TANK	21.2 GAL./PER INCH

GENERAL NOTES:

- THE SEPTIC TANK AS SHOWN COMPLES WITH THE REQUIREMENTS OF THE STATE OF OREGON, DEPARTMENT OF ENVIRONMENTAL QUALITY, "ON-SITE SEWAGE DISPOSAL RULES" DATED APRIL 1, 1995.
- INLET AND OUTLET SEAL FOR EXTERIOR PIPING SHALL BE 4" SIV4 NEOPRENE COLLAR CAST INTO CONCRETE CONFORMING TO ASTM C-564. BY TYLER.
- CONCRETE SHALL ATTAIN A MINIMUM 7-DAY COMPRESSIVE STRENGTH OF 3000 P.S.I. AND A 28-DAY COMPRESSIVE STRENGTH OF 3000 P.S.I. MINIMUM CEMENT CONTENT SHALL BE 7 SACKS PER CU. YD. MAXIMUM SLUMP 3 INCHES. **6000 P.S.I.**
- REINFORCING BARS SHALL CONFORM TO ASTM A615 ~~GRADE 40 (fy = 60,000 P.S.I.)~~ **GRADE 60 (fy = 60,000 P.S.I.)** WELDED WIRE FABRIC (W.W.M.) SHALL BE ~~ASTM A185~~ **ASTM A1064** **GRADE 60 (fy = 60,000 P.S.I.)**
- WALL REINFORCING SHALL BE AS NOTED ON PLANS. TOP AND BOTTOM REINFORCING SHALL BE AS INDICATED ON THE DRAWINGS. ADDITIONAL REINFORCING TO BE PROVIDED FOR TEMPERATURE/SHRINKAGE CRACKING AND IMPACT/HANDLING LOADS BY ADDING 1.6 LB. PER CU. YD. OF "FORTA FIBRE" SYNTHETIC FIBER REINFORCING.
- TANKS SHALL BE EQUIPPED WITH WATER TIGHT RISERS TO BRING ACCESS TO OR ABOVE FINISHED GRADE. 5" RISER INCREMENTS FROM 12" MINIMUM TO 36" MAXIMUM.
- GROUT SOLID ALL UNUSED KNOCKOUTS AND SEAL ALL TANK PENETRATIONS WITH CONSPEC ALL-PATCH CONCRETE PATCHING MORTAR BY CONSPEC MANUFACTURING INC.
- SEAL RISERS TO TANK TOP. RISER CAPS TO RISERS AND TANK SECTIONS AT FIELD JOINTS WITH 3/4" x 3/4" CONTINUOUS BUTYL CAULK. CON-SEAL CST01 OR EQUAL.
- TEST TANKS FOR WATER TIGHTNESS. AFTER TANKS ARE INSTALLED PLUG ALL INLETS AND OUTLETS AND TEST TANKS BY FILLING EACH TANK TO A MINIMUM OF TWO (2) INCHES ABOVE THE POINT OF THE RISER CONNECTION TO THE TANK. THERE SHALL BE NO MORE THAN ONE (1) GALLON OF LEAKAGE IN A 24 HOUR PERIOD.
- IN AREAS OF HIGH GROUND WATER THAT WILL CAUSE HYDROSTATIC UPLIFT OF THE TANK CONSTRUCT HYDROSTATIC UPLIFT HOLD DOWN AROUND TANK. SEE DETAIL.

1500 GAL SEPTIC TANK
COVER SHEET

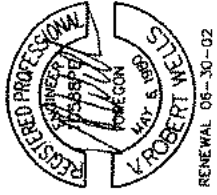
MICHAELS
PRECAST CONCRETE
BORING, OREGON
15175 S.E. HWY 211
(503) 688-4073

DATE: 11/07/01
PROJECT: 01-215
SHEET: RW
DRAWN:
CHECKED:
SHEET NUMBER: 1

1500 GAL SEPTIC TANK SECTIONS

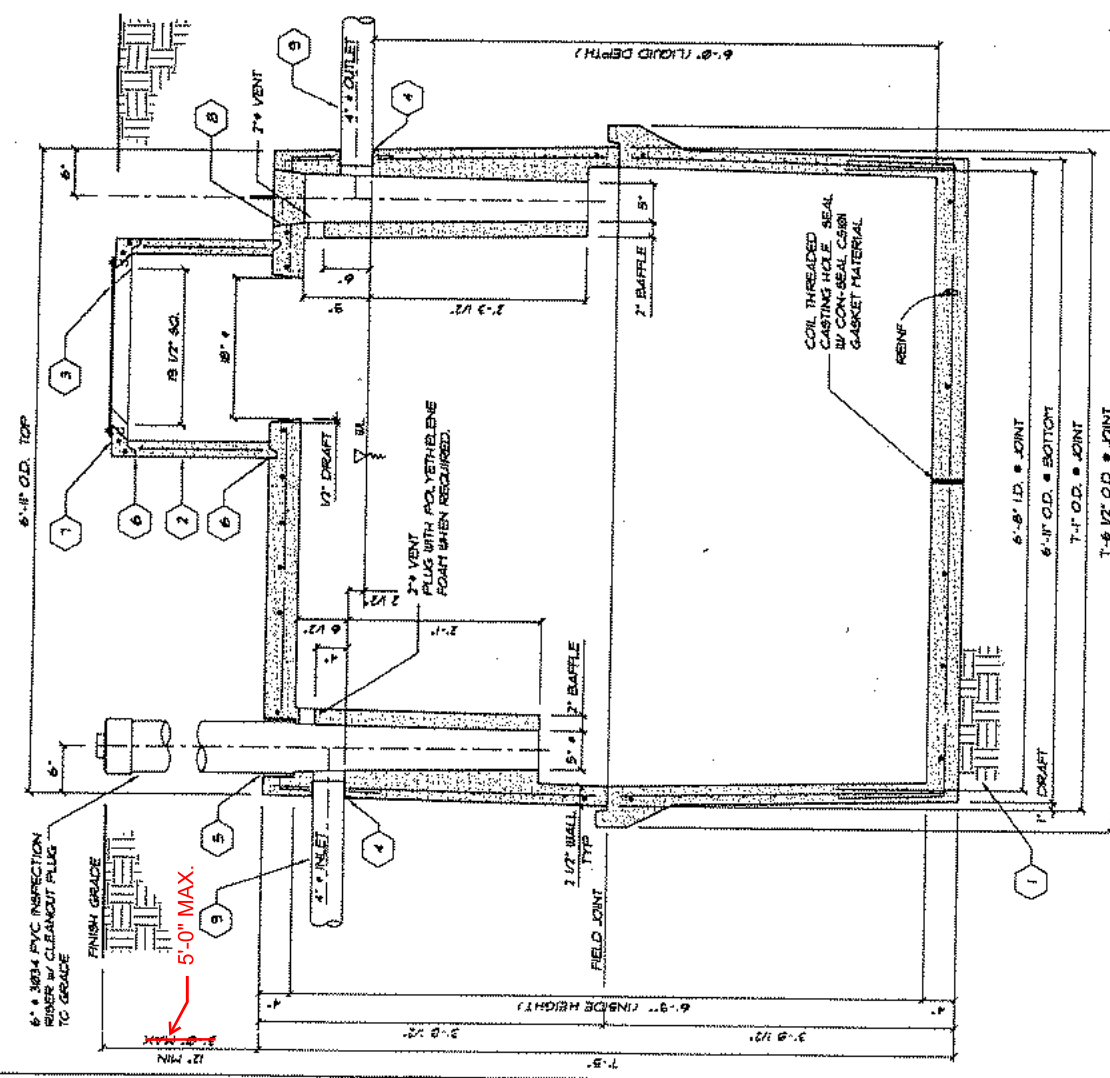
MICHAELS' PRECAST CONCRETE
 15173 S.E. HWY 211
 BORING, OREGON (503) 668-4073

DATE	11/01/01
PROJECT	01-235
DESIGNER	RW
CHECKER	
SCALE	
SHEET NUMBER	2



EE MARKUPS
 6-2-2021

- 1 TANK TO BE PLACED ON LEVEL NATIVE MATERIAL WITH NO PROTRUDING ROCKS. OPTIONAL 7" SAND LEVELING COURSE OR 4" OF 3/4" #8 COMPACTED ROCK LEVELING COURSE.
- 2 REINFORCED CONCRETE RISER AND LID CAP, 6" RISER INCREMENTS FROM 12" FIN TO 36" MAX.
- 3 1/4" STEEL LID WITH METAL RISER. SEE DETAIL. ATTACH TO CONCRETE RISER CAP WITH 4, 1/4" #8 S.S. BOLTS IN THREADED PLASTIC CONCRETE INSERTS BY CONNECTING SYSTEMS, INC.
- 4 4" TYLER 5V4 NEOPRENE (ASTM C-564) COLLAR CAST INTO CONCRETE.
- 5 6" TYLER 6V6 NEOPRENE (ASTM C-564) COLLAR CAST INTO CONCRETE.
- 6 SEAL RISER TO TANK AND RISER CAP TO RISER WITH 3/4" x 3/4" CONTINUOUS BUTYL CALK AROUND EACH. CON-SEAL C580 OR EQUAL.
- 7 LID SEAL 5/16" THICK SPONGE WEATHERSTRIP WITH ADHESIVE BY ADVECO. WEATHERSTRIP SHEET TO COVER COMPLETE UNDERSIDE OF STEEL LID.
- 8 SEAL CONCRETE PLUG OVER OUTLET TO TANK WITH 3/4" x 3/4" CONTINUOUS BUTYL CALK AROUND. CON-SEAL C580 OR EQUAL.
- 9 USE 4" PVC SCHEDULE 40 INLET AND OUTLET PIPE WITHIN TANK EXCAVATION LIFTS.

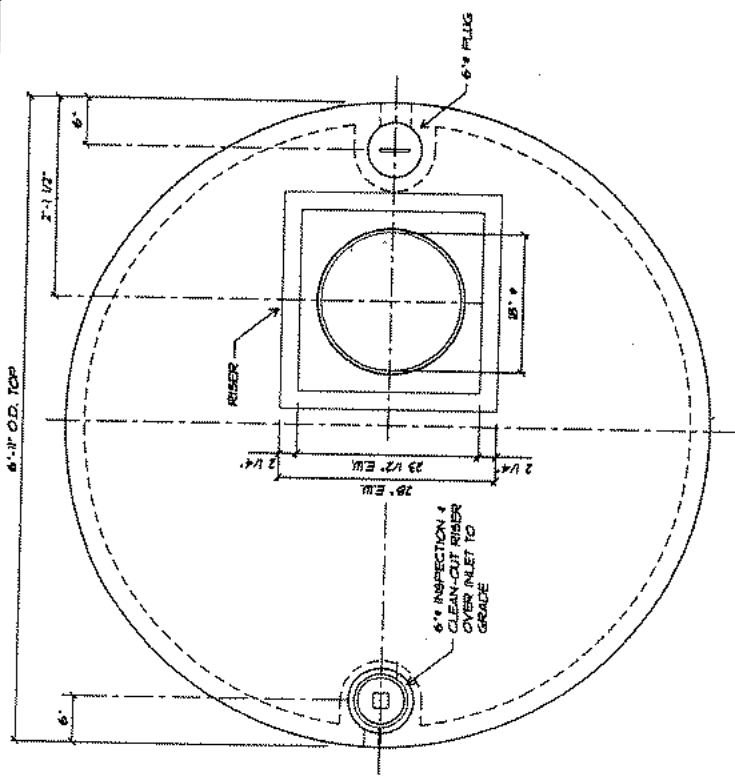


TANK SECTION
 3/4" x 1'-0"

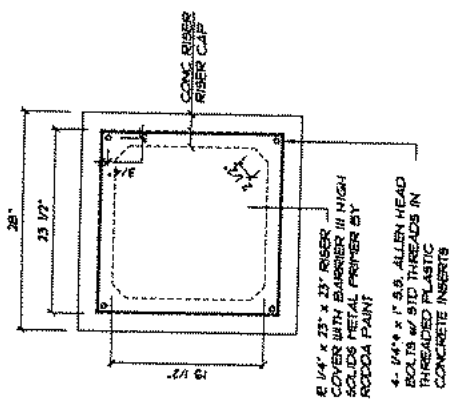
1500 GAL SEPTIC TANK COVER PLAN

MICHAELS
 PRECAST CONCRETE
 35175 S.E. HWY 211
 BORING, OREGON (503) 868-4073

DATE: 11/20/01
 NUMBER: 01-235
 DRAWN BY:
 CHECKED BY:
 SCALE: 3/4" = 1'-0"



COVER PLAN
 3/4" = 1'-0"



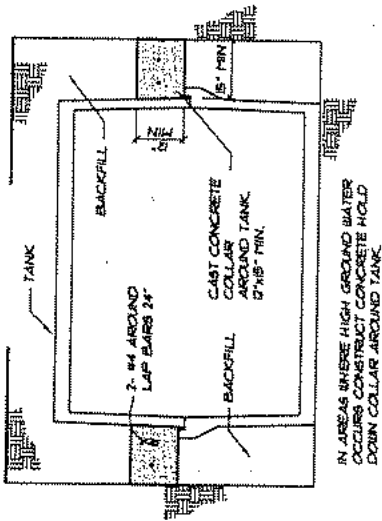
RISER LID PLAN
 3/4" = 1'-0"

- Septic Tank Dimensions:**
 1000 gal: 90" dia. x 67" tall
 bottom of tank to bottom of inlet 57", outlet 55"
 1500 gal: 90" dia. x 89" tall
 bottom of tank to bottom of inlet 78", outlet 76"
- Dosing Tank Dimensions:**
 1100 gal: 90" dia. x 67" tall
 bottom of tank to bottom of inlet 55"
 1500 gal: 90" dia. x 89" tall
 bottom of tank to bottom of inlet 78"

1500 GAL SEPTIC TANK
DETAILS

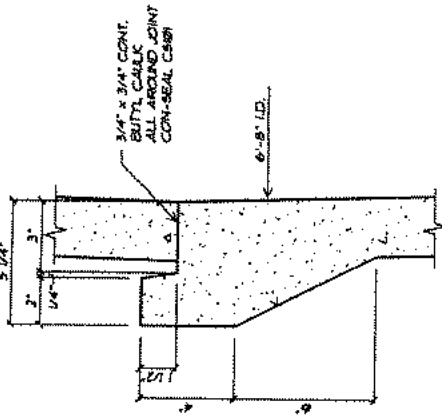
MICHAELS'
PRECAST CONCRETE
BORING, OREGON
35175 S.E. HWY 211
(503) 668-4073

DATE	11/01/01
PROJECT	01-235
DESIGNED BY	RW
CHECKED BY	
SHEET NUMBER	4

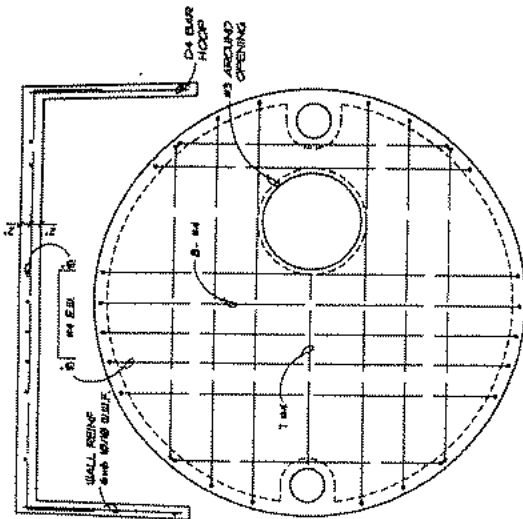
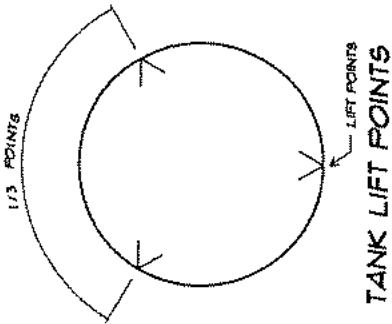


IN AREAS WHERE HIGH GROUND WATER OCCURS CONSTRUCT CONCRETE HOLD DOWN COLLAR AROUND TANK.

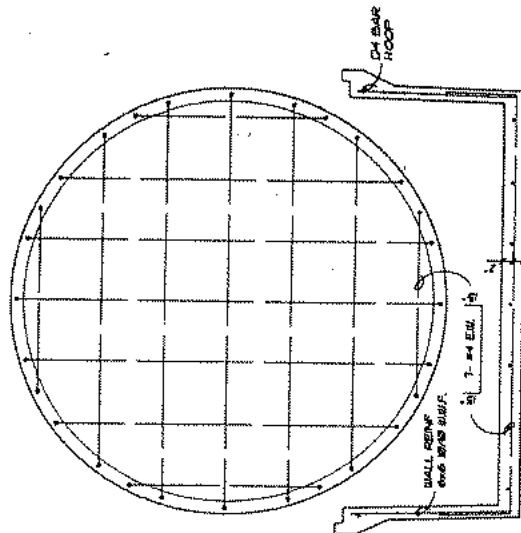
HYDROSTATIC UPLIFT HOLD DOWN
NTS



FIELD JOINT DETAIL
NTS



COVER REINFORCING
NTS



BOTTOM REINFORCING
NTS