

1000 GALLON SEPTIC TANK



RENEWAL 08-30-02

EE MARKUPS
6-2-2021

TANK CAPACITY	
RESERVE CAPACITY	180 GAL
LIQUID CAPACITY	1072 GAL
TOTAL VOLUME	1252 GAL
TANKS	21.2 GAL/PER INCH

GENERAL NOTES:

- THE SEPTIC TANK AS SHOWN COMPLIES 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" SV4 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 6000 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 = 40,000 P.S.I.)~~ WELDED WIRE FABRIC (W.W.F.) SHALL BE ~~ASTM A195~~ **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 "FIBRYA FIBRE" SYNTHETIC FIBER REINFORCING.
- TANKS SHALL BE EQUIPPED WITH WATER TIGHT RISERS TO BRING ACCESS TO OR ABOVE FINISHED GRADE. 6" 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 CS101 OR EQUAL.
- TEST TANKS FOR WATERTIGHTNESS. 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.

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JAN 04 2002

Water Quality Division
Dept. of Environmental Quality

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1000 GAL SEPTIC TANK
COVER SHEET

BORING, OREGON

MICHAELS
PRECAST CONCRETE

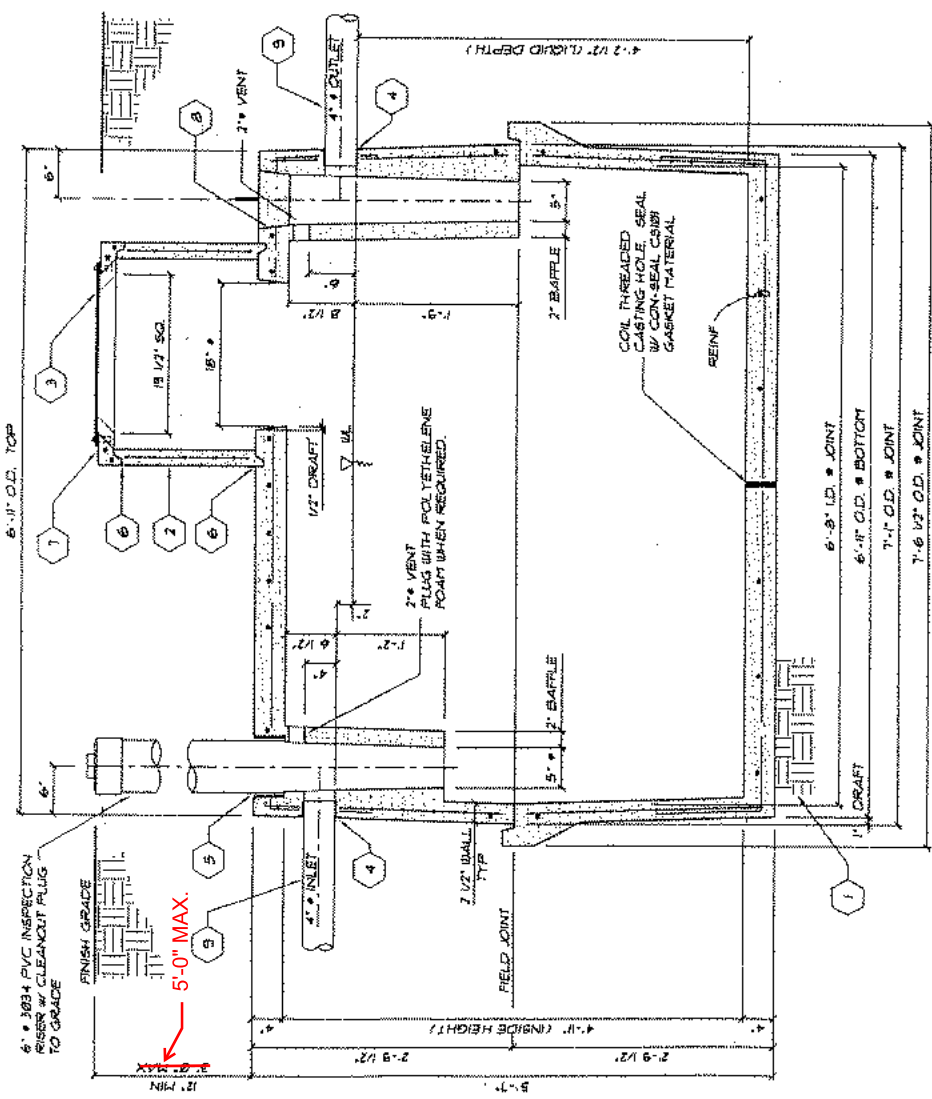
35175 S.E. HWY 211
(503) 668-4073

DATE 11/01/01
PROJECT 01-235
DRAWN RW
CHECKED
PROJECT NUMBER

1

6" x 1004 PVC INSPECTION RISER w/ CLEANOUT PLUG TO GRADE

FINISH GRADE
5'-0" MAX.



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

EE MARKUPS
6-2-2021



- 1 TANK TO BE PLACED ON LEVEL NATIVE MATERIAL WITH NO PROTRUDING ROCKS. OPTIONAL 2" SAND LEVELING COURSE OR 4" OF 3/4"-Ø COMPACTED ROCK LEVELING COURSE.
- 2 REINFORCED CONCRETE RISER AND LID CAP, 6" RISER INCREMENTS FROM 12" MIN TO 36" MAX.
- 3 1/4" STEEL LID WITH METAL FRIMMER. SEE DETAIL. ATTATCH TO CONCRETE RISER CAP WITH 4 1/4" x 9.5. 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 5V6 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 CAULK AROUND EACH. CON-SEAL CS101 OR EQUAL.
- 7 LID SEAL. 5/16" THICK BRONZE WEATHERSTRIP WITH ADHESIVE BY AUVECO. 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 CAULK AROUND. CON-SEAL CS101 OR EQUAL.
- 9 USE 4" PVC SCHEDULE 40 INLET AND OUTLET PIPE WITHIN TANK EXCAVATION LIMITS.

1000 GAL SEPTIC TANK SECTIONS

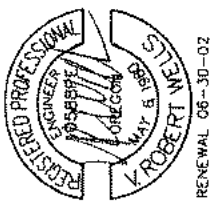
MICHAELS' PRECAST CONCRETE
35175 S.E. HWY 211
BORING, OREGON (503) 668-4073

RECEIVED
JAN 04 2002
Wright County Planning
Dept. of Environmental Affairs

DATE	11/01/01
PROJECT	01-239
ISSUED BY	PW
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SHEET NUMBER	2

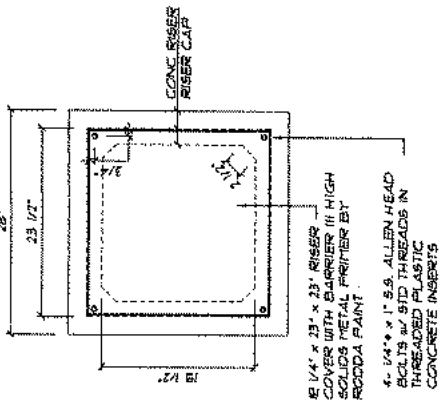
**1000 GAL SEPTIC TANK
COVER PLAN**

MICHAELS
PRECAST CONCRETE
BORING, OREGON
35175 S.E. HWY 211
(503) 688-4073

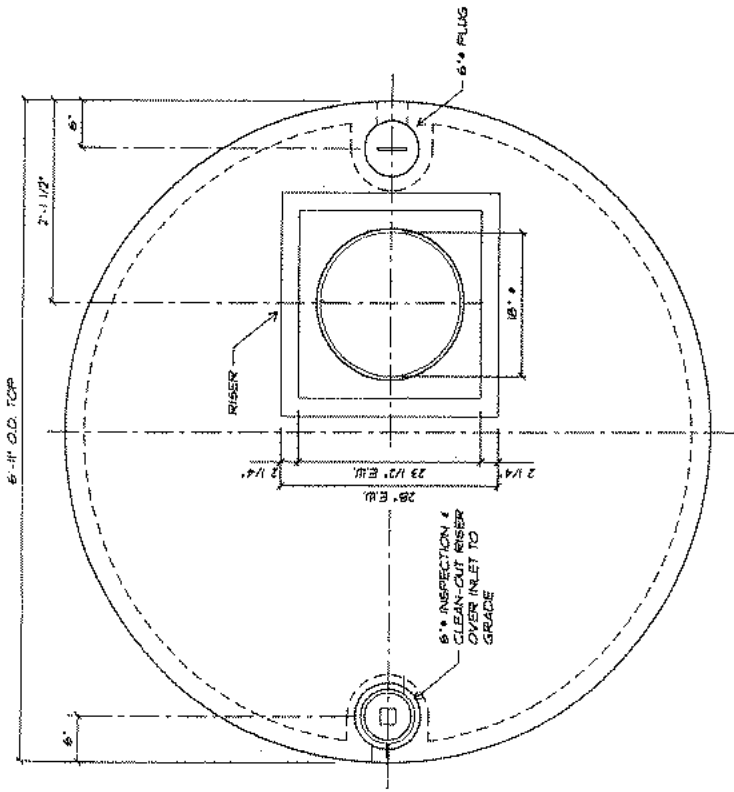


DATE	11/16/01
PROJECT	01-235
DRAWN BY	RW
CHECKED BY	
SHEET NUMBER	3

RECORDED
JAN 04 2002
WET-COR Company, Inc.
Dept. of Environmental Quality



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



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

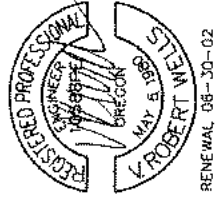
1000 GAL SEPTIC TANK

DETAILS

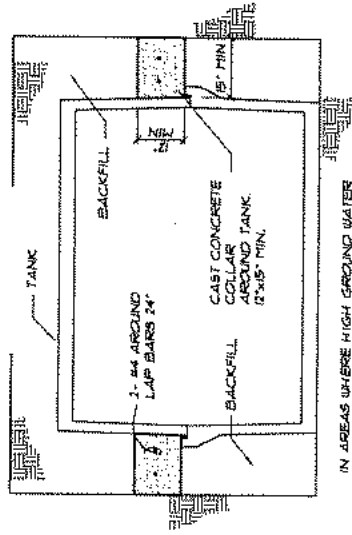
MICHAELS
 PRECAST CONCRETE

35175 S.E. HWY 211
 BORNING, OREGON

(503) 866-4073



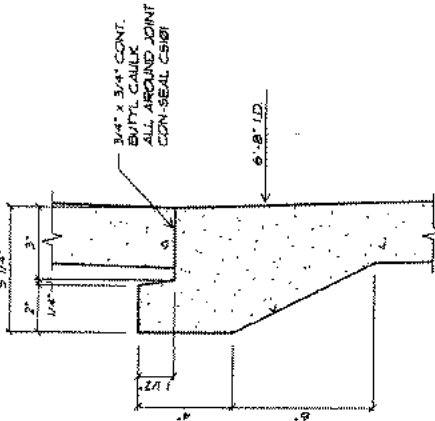
RENEWAL 08-30-02



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

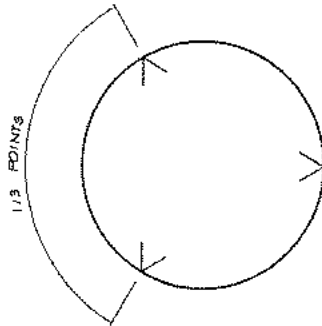
HYDROSTATIC UPLIFT HOLD DOWN

NTS

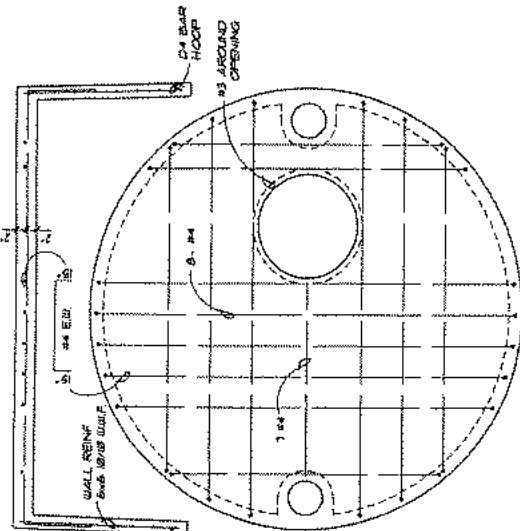


FIELD JOINT DETAIL

NTS

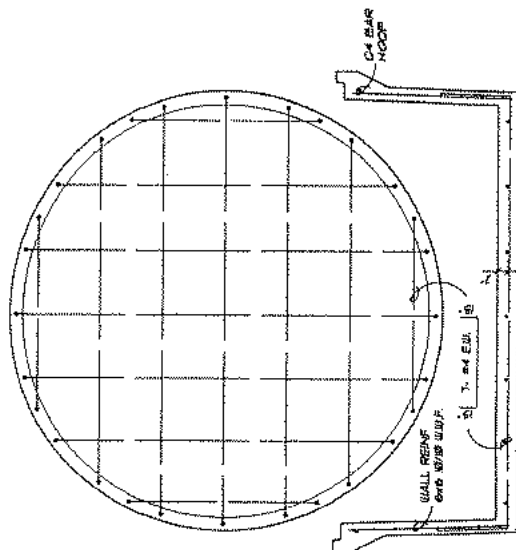


TANK LIFT POINTS



COVER REINFORCING

NTS



BOTTOM REINFORCING

NTS

RECEIVED
 JAN 04 2002

Wesley Orndorff, Director
 Dept. of Environmental Quality

DATE	11/01/01
PROJECT	01-235
ISSUED BY	RW
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SCALE	
SHEET NUMBER	4