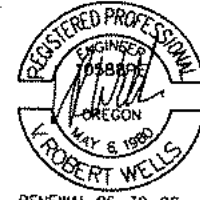


1500 GALLON SEPTIC TANK



1500 GAL SEPTIC TANK

COVER SHEET

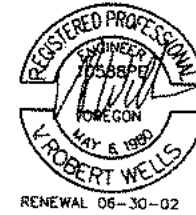
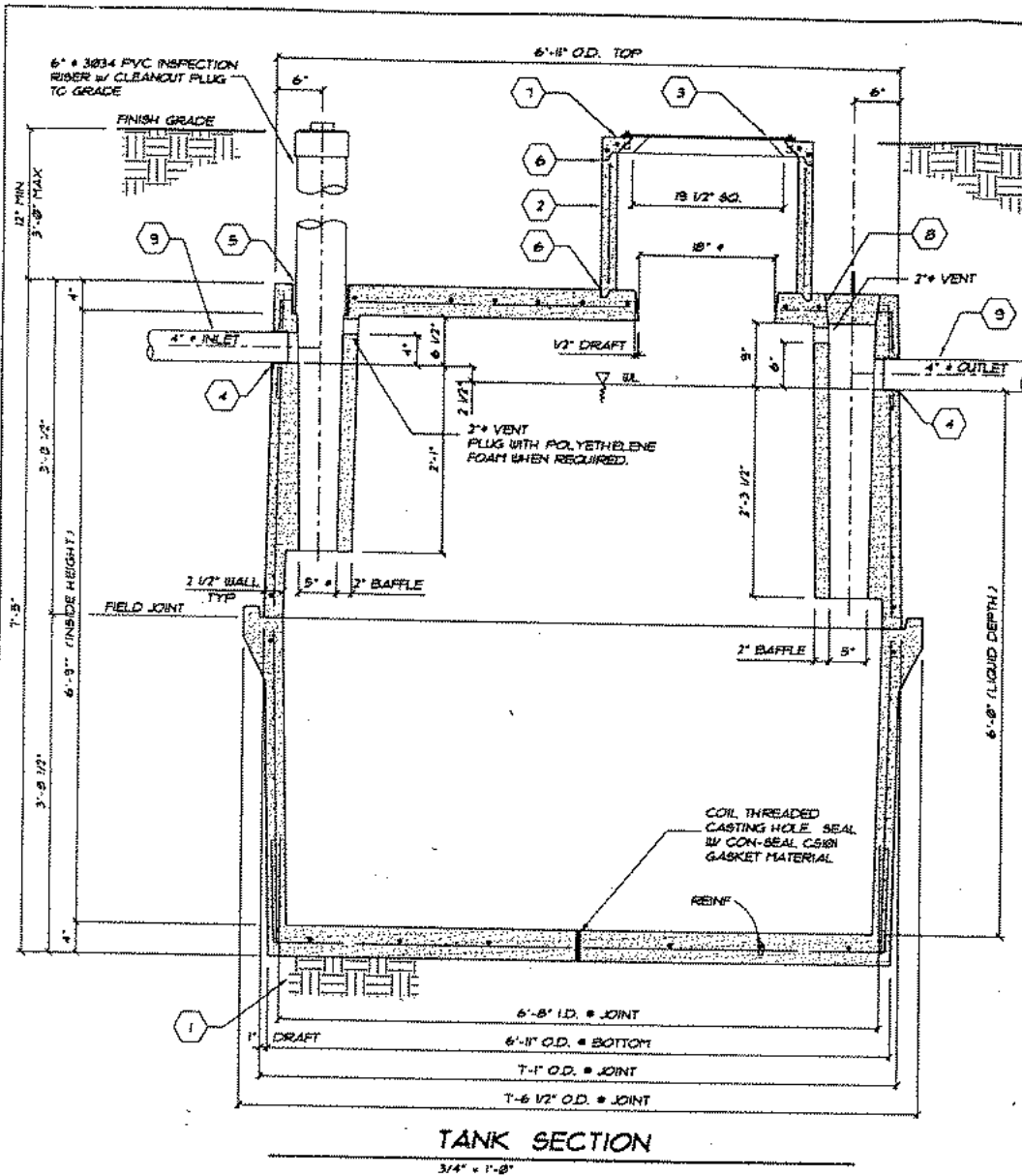
TANK CAPACITY	
RESERVE CAPACITY	191 GAL
LIQUID CAPACITY	1528 GAL
TOTAL VOLUME	1719 GAL
TANK:	21.2 GAL/PER INCH

GENERAL NOTES:

1. 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.
2. INLET AND OUTLET SEAL FOR EXTERIOR PIPING SHALL BE 4" SV4 NEOPRENE COLLAR CAST INTO CONCRETE CONFORMING TO ASTM C-564. BY TYLER.
3. CONCRETE SHALL ATTAIN A MINIMUM 7- DAY COMPRESSIVE STRENGTH OF 3000 P.S.I. AND A 28- DAY COMPRESSIVE STRENGTH OF 5000 P.S.I. MINIMUM CEMENT CONTENT SHALL BE 7 SACKS PER CU. YD. MAXIMUM SLUMP 3 INCHES.
4. REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 40 ($f_y = 40,000$ P.S.I.). WELDED WIRE FABRIC (W.W.M.) SHALL BE ASTM A185.
5. 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.
6. TANKS SHALL BE EQUIPED WITH WATER TIGHT RISERS TO BRING ACCESS TO OR ABOVE FINISHED GRADE. 6" RISER INCREMENTS FROM 12" MINIMUM TO 36" MAXIMUM.
7. GROUT SOLID ALL UNUSED KNOCKOUTS AND SEAL ALL TANK PENETRATIONS WITH CONSPEC ALL-PATCH CONCRETE PATCHING MORTAR BY CONSPEC MANUFACTURING INC.
8. 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 C5101 OR EQUAL.
9. 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.
10. IN AREAS OF HIGH GROUND WATER THAT WILL CAUSE HYDROSTATIC UPLIFT OF THE TANK CONSTRUCT HYDROSTATIC UPLIFT HOLD DOWN AROUND TANK. SEE DETAIL.

MICHAELS' CONCRETE BORING, OREGON
 PRECAST CONCRETE
 35173 S.E. HWY 211
 (503) 688-4073

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



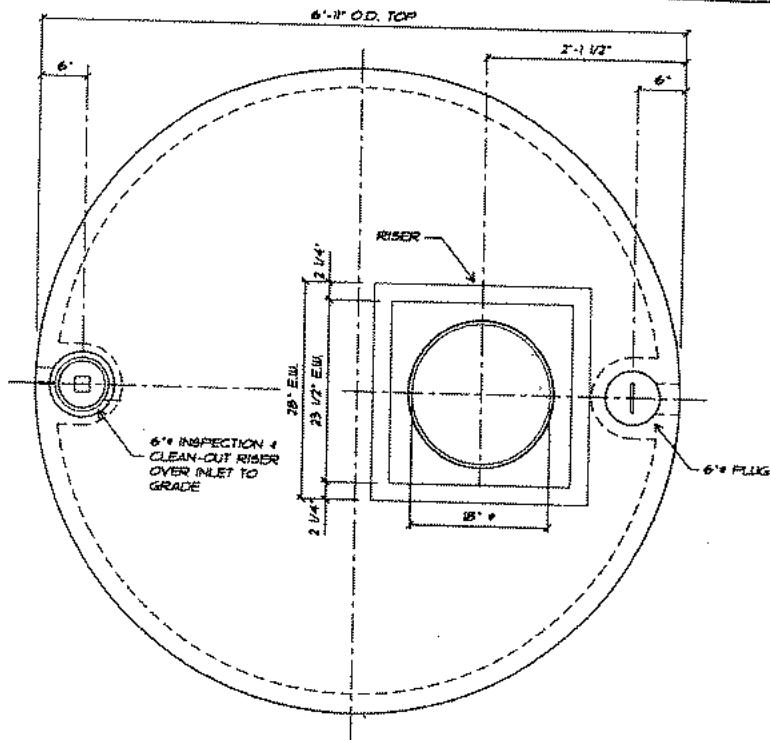
- 1 TANK TO BE PLACED ON LEVEL NATIVE MATERIAL WITH NO PROTRUDING ROCKS. OPTIONAL 2" SAND LEVELING COURSE OR 4" OF 3/4"-8 COMPACTED ROCK LEVELING COURSE.
- 2 REINFORCED CONCRETE RISER AND LID CAP. 6" RISER INCREMENTS FROM 12" MIN TO 36" MAX.
- 3 1/4" STEEL LID WITH METAL PRIMER. SEE DETAIL. ATTACH TO CONCRETE RISER CAP WITH 4- 1/4" x 5.8. 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 C5101 OR EQUAL.
- 7 LID SEAL. 5/16" THICK SPONGE WEATHERSTRIP WITH ADHESIVE BY ALVECO. 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 C5101 OR EQUAL.
- 9 USE 4" PVC SCHEDULE 40 INLET AND OUTLET PIPE WITHIN TANK EXCAVATION LIMITS.

1500 GAL SEPTIC TANK SECTIONS

MICHAELS' PRECAST CONCRETE
BORING, OREGON

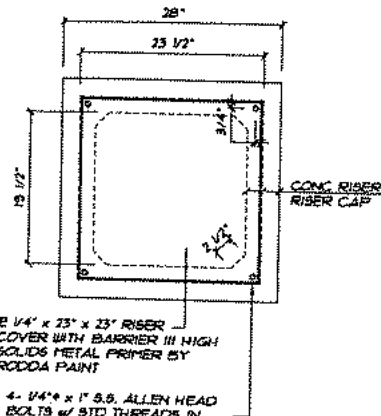
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(503) 868-4073

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PROJECT	01-235
DESIGNER	RW
CHECKER	
SCALE	
2	



COVER PLAN

3/4" x 1'-0"



2 1/4" x 23" x 23" RISER
COVER WITH BARRIER III HIGH
SOLIDS METAL PRIMER BY
RODDA PAINT

4- 1/4" x 1" S.S. ALLEN HEAD
BOLTS w/ STD THREADS IN
THREADED PLASTIC
CONCRETE INSERTS

RISER LID PLAN

3/4" x 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

COVER PLAN

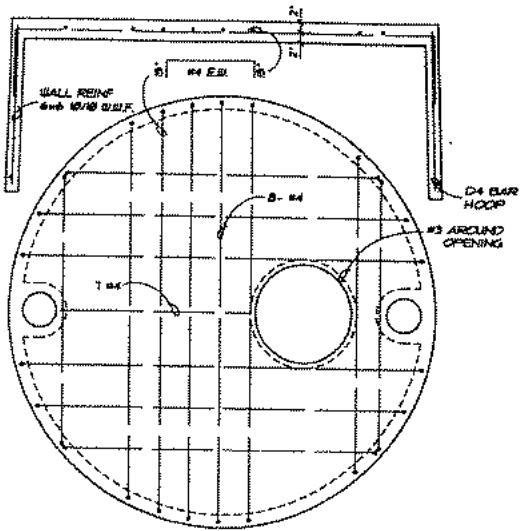
MICHAELS'

PRECAST CONCRETE

BORING, OREGON

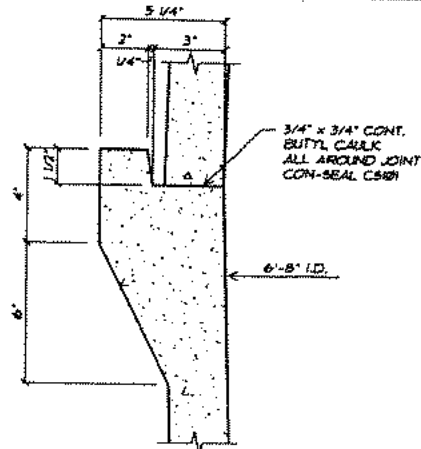
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PROJECT	01-235
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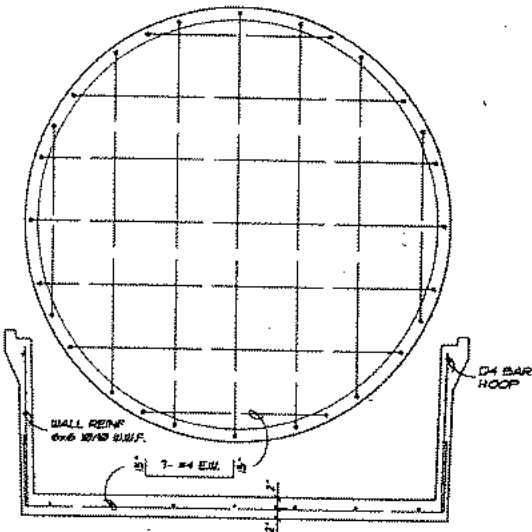
COVER REINFORCING

NTS



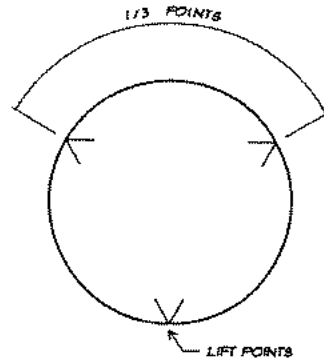
FIELD JOINT DETAIL

NTS

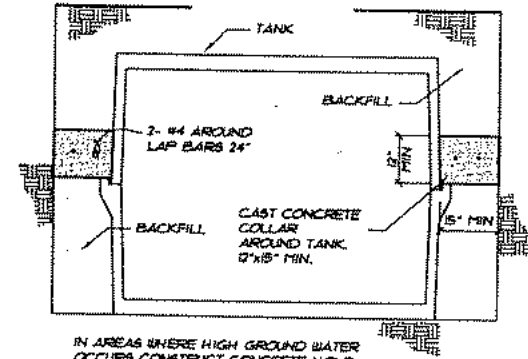
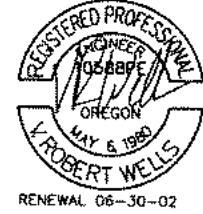


BOTTOM REINFORCING

NTS



TANK LIFT POINTS



HYDROSTATIC UPLIFT HOLD DOWN

NTS

1500 GAL SEPTIC TANK
DETAILS

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(503) 688-4073

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PROJECT	01-235
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SHEET NUMBER	4