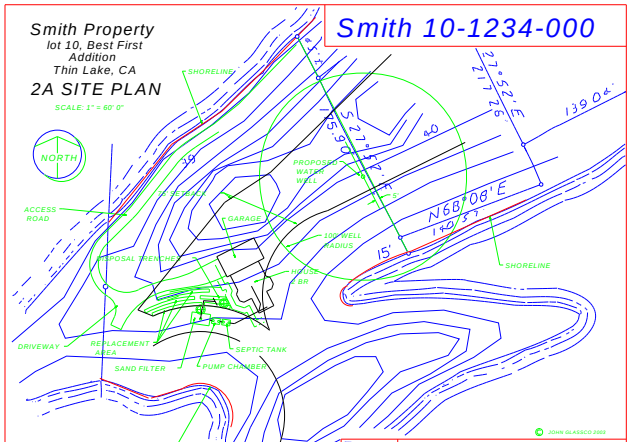
Smith Property
lot 10, Best First Addition
Thin Lake, CA
2A SITE PLAN
SCALE: 1" = 60' 0"
Smith 10-1234-000
NORTH
SHORELINE
ACCESS ROAD
GARAGE
PROPOSED WATER WELL
100' WELL RADIUS
DISPOSAL TRENCHES
HOUSE & BR
DRIVEWAY
REPLACEMENT AREA
SAND FILTER
PUMP CHAMBER
SEPTIC TANK
SHORELINE
SHORELINE
N68°08'E
139.04'
15'
JOHN GLASSCO 2003
01-10-03
03244AA
2 of 8
as shown
ECO-NOMIC
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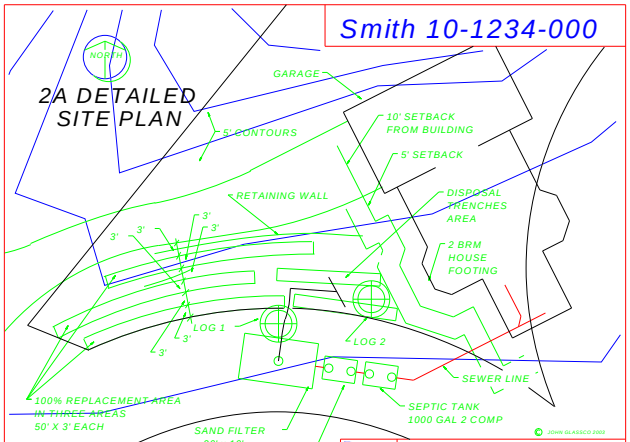
Smith 10-1234-000
NORTH
2A DETAILED SITE PLAN
GARAGE
5' CONTOURS
10' SETBACK FROM BUILDING
5' SETBACK
RETAINING WALL
DISPOSAL TRENCHES AREA
2 BRM HOUSE FOOTING
LOG 1
LOG 2
SEWER LINE
100% REPLACEMENT AREA IN THREE AREAS 50' X 3' EACH
SAND FILTER 20' x 10'
SEPTIC TANK 1000 GAL 2 COMP
PUMP CHAMBER 1000 GAL ONE COMP
JOHN GLASSCO 2003
01-10-03
03244AB
3 of 8
1" = 15' 0"
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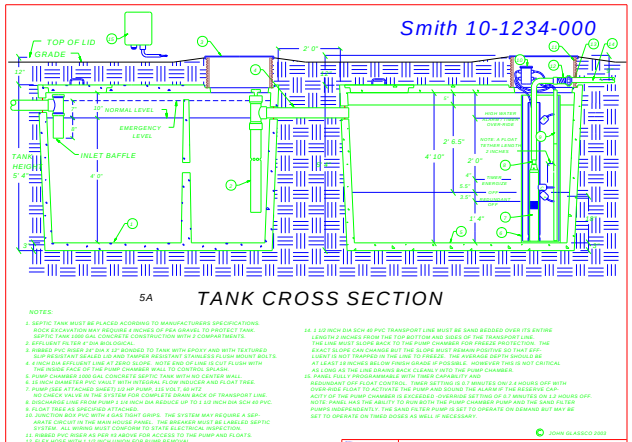
Smith 10-1234-000
TOP OF LID
GRADE
NORMAL LEVEL
EMERGENCY LEVEL
INLET BAFFLE
TANK HEIGHT 5' 4"
5A TANK CROSS SECTION
NOTES:
1. SEPTIC TANK MUST BE PLACED ACCORDING TO MANUFACTURERS SPECIFICATIONS. ROCK EXCAVATION MAY REQUIRE 8 INCHES OF PEA GRAVEL TO PROTECT TANK. SEPTIC TANK 1000 GAL CONCRETE CONSTRUCTION WITH 2 COMPARTMENTS.
2. EFFLUENT FILTER 4" DIA BIOLOGICAL.
3. RUBBER PVC RISER 24" DIA X 12" BONDED TO TANK WITH EPOXY AND WITH TEXTURED SLIP RESISTANT SEALED LID AND TAMPER RESISTANT STAINLESS FLUSH MOUNT BOLTS.
4. 4 INCH DIA EFFLUENT LINE AT ZERO SLOPE. NOTE END OF LINE IS CUT FLUSH WITH THE INSIDE FACE OF THE PUMP CHAMBER WALL TO CONTROL SPLASH.
5. PUMP CHAMBER 1000 GAL CONCRETE SEPTIC TANK WITH NO CENTER WALL.
6. 16 INCH DIAMETER PVC VAULT WITH INTEGRAL FLOW INDUCER AND FLOAT TREE.
7. PUMP (SEE ATTACHED SHEET) 1/2 HP PUMP, 115 VOLT, 60 HTZ
NO CHECK VALVE IN THE SYSTEM FOR COMPLETE DRAIN BACK OF TRANSPORT LINE.
8. DISCHARGE LINE FROM PUMP 1 1/4 INCH DIA REDUCE UP TO 1 1/2 INCH DIA SCH 40 PVC.
9. FLOAT TREE AS SPECIFIED ATTACHED.
10. JUNCTION BOX PVC WITH 4 GAS TIGHT GRIPS. THE SYSTEM MAY REQUIRE A SEPARATE CIRCUIT IN THE MAIN HOUSE PANEL. THE BREAKER MUST BE LABELED SEPTIC SYSTEM. ALL WIRING MUST CONFORM TO STATE ELECTRICAL INSPECTION.
11. RUBBER PVC RISER AS PER #3 ABOVE FOR ACCESS TO THE PUMP AND FLOATS.
12. 4 INCH DIA SCH 40 PVC TRANSPORT LINE FROM TANK.
13. TRANSPORT LINE PASSES THRU WALL OF RISER AS CLOSE AS POSSIBLE TO THE TOP OF THE TANK - TRU TO KEEP LINE DEEPER THAN 12" IF POSSIBLE AND KEEP BACK SLOPE.
14. 1 1/2 INCH DIA SCH 40 PVC TRANSPORT LINE MUST BE SAND BEDDED OVER ITS ENTIRE LENGTH 2 INCHES FROM THE TOP BOTTOM AND SIDES OF THE TRANSPORT LINE. THE LINE MUST SLOPE BACK TO THE PUMP CHAMBER FOR FREEZE PROTECTION. THE EXACT SLOPE CAN CHANGE BUT THE SLOPE MUST REMAIN POSITIVE SO THAT EFFLUENT IS NOT TRAPPED IN THE LINE TO FREEZE. THE AVERAGE DEPTH SHOULD BE AT LEAST 18 INCHES BELOW FINISH GRADE IF POSSIBLE. HOWEVER THIS IS NOT CRITICAL AS LONG AS THE LINE DRAINS BACK CLEANLY INTO THE PUMP CHAMBER.
15. PANEL FULLY PROGRAMMABLE WITH TIMER CAPABILITY AND REDUNDANT OFF FLOAT CONTROL. TIMER SETTING IS 0.7 MINUTES ON/ 2.4 HOURS OFF WITH OVER-RIDE FLOAT TO ACTIVATE THE PUMP AND SOUND THE ALARM IF THE RESERVE CAPACITY OF THE PUMP CHAMBER IS EXCEEDED. OVERRIDE SETTING OF 0.7 MINUTES ON 1.2 HOURS OFF. NOTE: PANEL HAS THE ABILITY TO RUN BOTH THE PUMP CHAMBER PUMP AND THE SAND FILTER PUMPS INDEPENDENTLY. THE SAND FILTER PUMP IS SET TO OPERATE ON DEMAND BUT MAY BE SET TO OPERATE ON TIMED DOSES AS WELL IF NECESSARY.
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01-10-03
03244AC
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1" = 2' 0"
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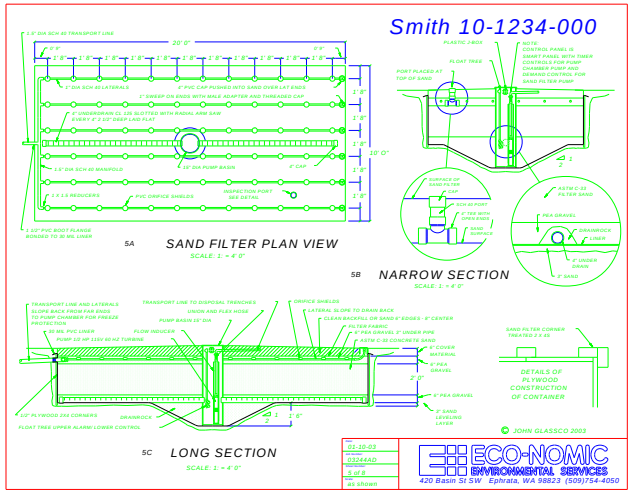
Smith 10-1234-000
5A SAND FILTER PLAN VIEW
SCALE: 1" = 4' 0"
5B NARROW SECTION
SCALE: 1" = 4' 0"
5C LONG SECTION
SCALE: 1" = 4' 0"
DETAILS OF PLYWOOD CONSTRUCTION OF CONTAINER
JOHN GLASSCO 2003
01-10-03
03244AD
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as shown
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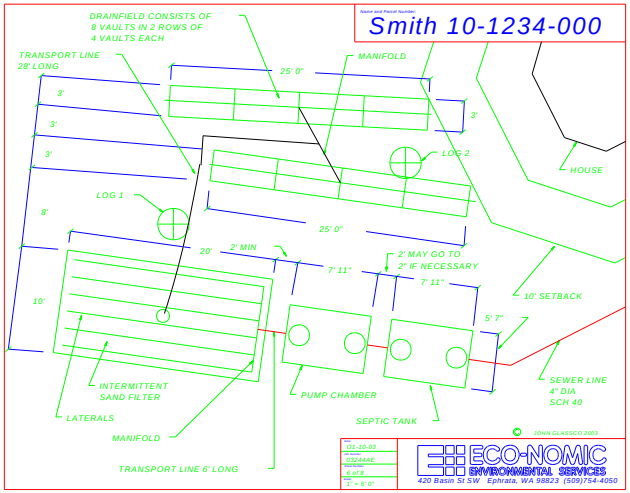
Smith 10-1234-000
DRAINFIELD CONSISTS OF 8 VAULTS IN 2 ROWS OF 4 VAULTS EACH
TRANSPORT LINE 28' LONG
MANIFOLD
LOG 1
LOG 2
HOUSE
2' MIN
2' MAY GO TO 2" IF NECESSARY
10' SETBACK
INTERMITTENT SAND FILTER
LATERALS
MANIFOLD
PUMP CHAMBER
SEPTIC TANK
SEWER LINE 4" DIA SCH 40
TRANSPORT LINE 6' LONG
JOHN GLASSCO 2003
01-10-03
03244AE
6 of 8
1" = 6' 0"
ECO-NOMIC
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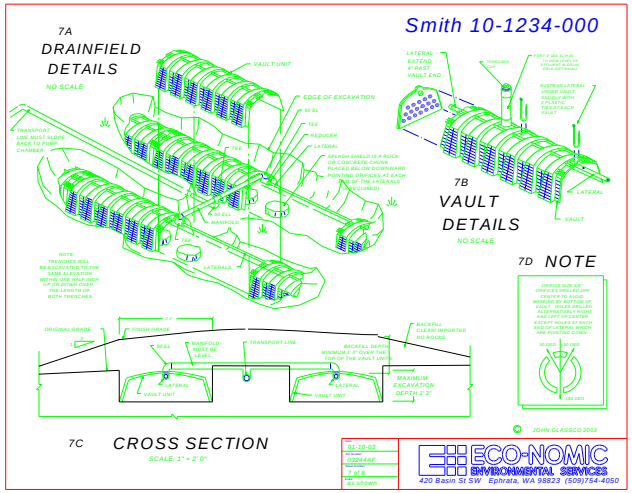
Smith 10-1234-000
7A DRAINFIELD DETAILS
NO SCALE
7B VAULT DETAILS
NO SCALE
7C CROSS SECTION
SCALE: 1" = 2' 0"
7D NOTE
JOHN GLASSCO 2003
01-10-03
03244AF
7 of 8
as shown
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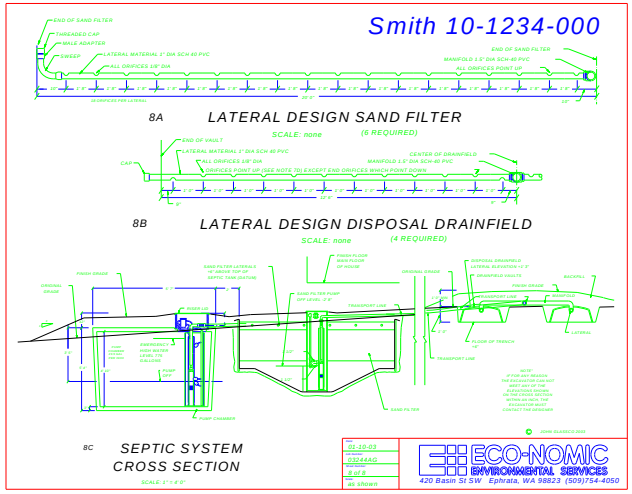
Smith 10-1234-000
8A LATERAL DESIGN SAND FILTER
SCALE: none
(6 REQUIRED)
8B LATERAL DESIGN DISPOSAL DRAINFIELD
SCALE: none
(4 REQUIRED)
8C SEPTIC SYSTEM CROSS SECTION
SCALE: 1" = 4' 0"
JOHN GLASSCO 2003
01-10-03
03244AG
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