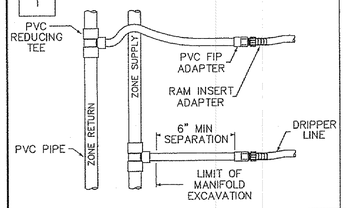
STANDARD RESIDENTIAL DRIP SYSTEM DETAILS

1



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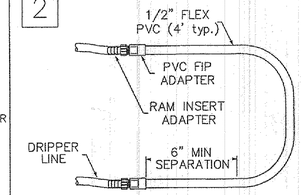

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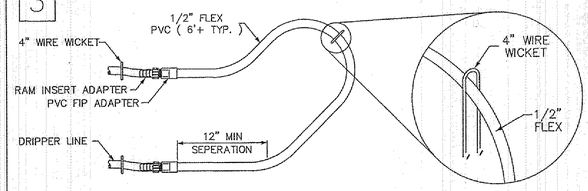
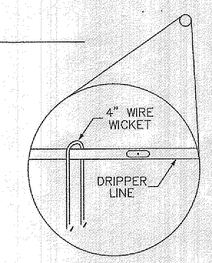
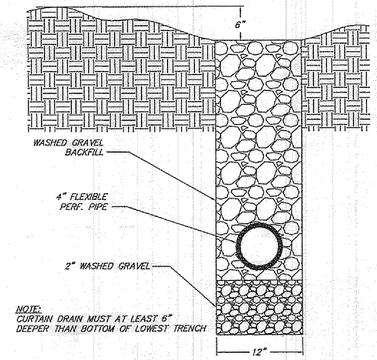


NOTES:

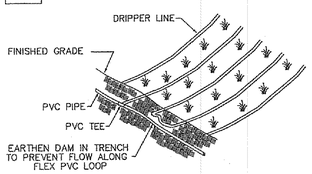
REMOVE ALL DEAD AND DOWN WOOD BY HAND.
HAND INSTALLATION REQUIRED.
-MARK CONTOUR EVERY 15' WITH FLAGS.
-RAKE LEAVES/TOPSOIL ASIDE WITH LEAF RAKES.
-PREPARE 2-3" WIDE TRENCH WITH GARDEN RAKE OR SHOVEL.
-PLACE TUBING 3" BELOW TOPSOIL, INTO MINERAL SOIL, HOLD IN PLACE WITH 4 INCH WIRE WICKETS.
-COVER IN REVERSE ORDER.





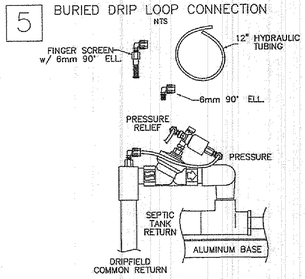
INTERCEPTOR DRAIN CROSS SECTION
SCALE: NTS

4 DRIP LINE CONNECTION TO MANIFOLD
NTS



DRIPPER LINE SECTION DETAIL
NTS

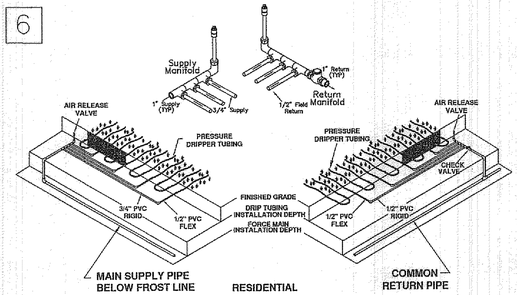
5 BURIED DRIP LOOP CONNECTION
NTS



RETURN PRESSURE ASSEMBLY
NTS

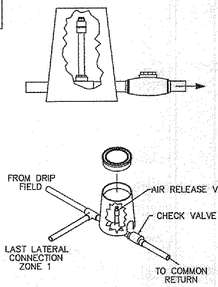
NEAR SURFACE DRIP LOOP CONNECTION
NTS

6



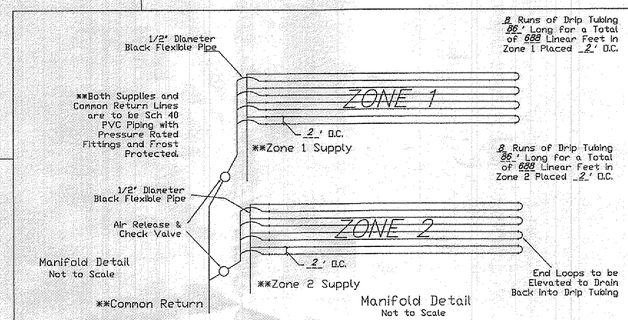
Patent No. 5,984,574

7



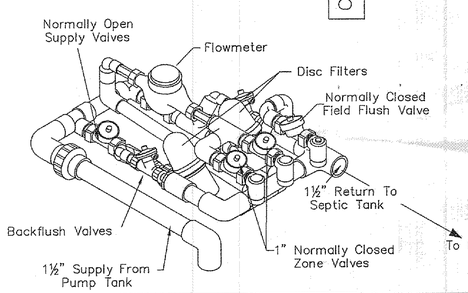
AIR RELEASE & CHECK VALVE DETAIL

NOTES:
1. PUMP & FLOATS SERVICEABLE FROM GROUND SURFACE.
2. ALL FITTINGS TO BE PVC SCH 40 PRESSURE.
3. ALL THROUGH CONNECTIONS TO BE WATERTIGHT.



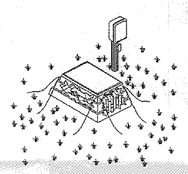
AMERICAN MFG. COMPANY
TWO-FILTER - 15 GPM
HYDRAULIC UNIT

8



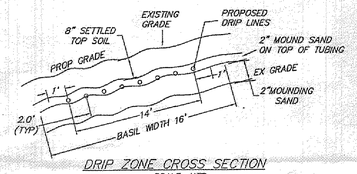
NOTE:
IN THE EVENT THE DRIP ZONES ARE OVER 10 FEET IN VERTICAL ELEVATION ABOVE THE HYDRAULIC UNIT, INSTALL A "RETURN PRESSURE ASSEMBLY." THE ASSEMBLY IS TO BE USED TO PREVENT THE RETURN LINE FROM DRAINING AFTER OR DURING A DOSE. REMOVE THE ZONE RETURN CONNECTION AND REINSTALL A SHORT 1" NIPPLE IN THE RETURN VALVE INSTALL ASSEMBLY AS SHOWN TO THE LEFT. THE HYDRAULIC TUBING PROVIDING PRESSURE FOR THE REST OF THE UNIT MUST BE PLUGGED AND THE NEW TUBING FROM THE ASSEMBLY CONNECTED TO THE PRESSURE SIDE OF THE SILENOID.

HYDRAULIC UNIT

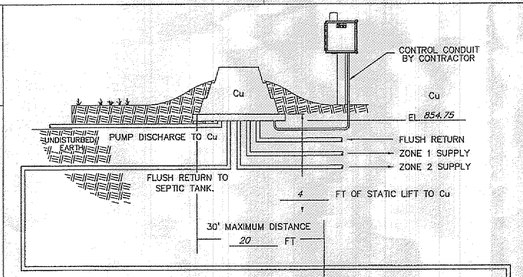


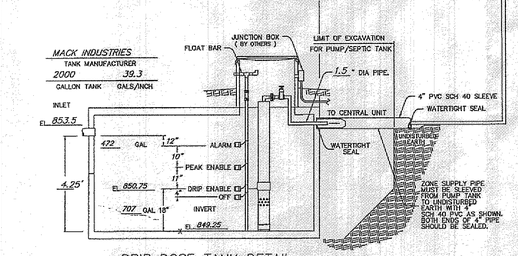
Mound soil to insulate housing. Be sure mat heater is installed, placed on skid, and connected. Recommend additional insulation under lid.

Blower to be installed at grade, protected from surface water per Installation Manual.



DRIP ZONE CROSS SECTION
SCALE: NTS

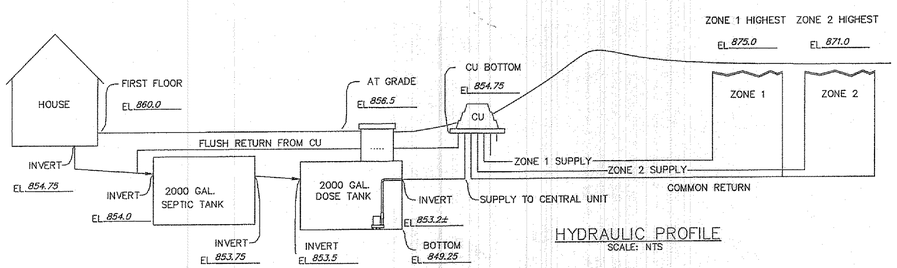




DRIP DOSE TANK DETAIL
NTS

LAKE COUNTY HEALTH DEPARTMENT NOTES:

1. DRIP DISTRIBUTION FIELD (DRIP TUBING TO BE PLACED @ 2' O.C. ON 2' OF MOUNDING SAND)
2. DRIP INSTALLER TO CONSULT WITH DRIP DESIGNER OR L.C.H.D. FOR ANY CHANGES
3. AREAS FOR DISTRIBUTION FIELD AND REPLACEMENT AREAS SHALL BE STAKED AND ROPED TO PREVENT ACCESS DURING ALL CONSTRUCTION ACTIVITIES ON THE SITE.
4. NO PARKING OR MATERIAL STORAGE IS PERMITTED IN AREAS DESIGNATED FOR THE DISTRIBUTION FIELD.
5. NO HEAVY EQUIPMENT SHALL BE OPERATED OVER THE DISTRIBUTION FIELD.
6. BASAL AREA OF BOTH ZONES TO BE CHISEL-PLOWED
7. ALL INSTALLATION AND CONSTRUCTION TECHNIQUES MUST CONFORM TO THE LAKE COUNTY GENERAL HEALTH DISTRICT REGULATIONS AND OTHER CODES AND REGULATIONS THAT HAVE JURISDICTION.
8. INSTALLER TO PROVIDE AS-BUILT OF DRIP SYSTEM TO HOME OWNER AND LAKE COUNTY GENERAL HEALTH DEPARTMENT.
9. SEPTIC APPROVAL IS GOOD FOR 1 YEAR PERIOD.
10. SWITCHES, CONTROLS, ALARMS & ELECTRICAL COMPONENTS SHALL BE UL OR CSA LISTED PRODUCTS, NATIONAL ELECTRIC CODE 370-29-11-E-G.
11. FOR THE START-UP, CONTRACTOR SHALL MEASURE DOSING FLOW RATE, FLUSHING FLOW RATE AND A METER READING FOR THE LAKE COUNTY GENERAL HEALT DEPARTMENT.
12. HOME OWNER SHALL CONTRACT WITH A CERTIFIED SERVICE PROVIDER FOR MAINTENANCE AND OPERTATION OF DRIP SYSTEM, INSPECTION OF SYSTEM WILL BE BY CERTIFIED SERVICE PROVIDER AND REPORTS ARE TO BE SUBMITTED TO THE LAKE COUNTY GENERAL HEALTH DEPARTMENT.



HYDRAULIC PROFILE
SCALE: NTS

EROSION AND SEDIMENT CONTROL

INGRESS-EGRESS:
A STONE ACCESS DRIVE COMPLETE WITH UNDERLYING GEO-TEXTILE FABRIC (20 FEET WIDE AND 50 FEET LONG) FOR INGRESS AND EGRESS AT THE SITE SHALL BE INSTALLED. THIS DRIVE SHALL BE THE ONLY ENTRANCE AND EXIT TO THE SITE.

SILT FENCE:
ALL SILT FENCE SHALL BE INSTALLED PRIOR TO ANY EARTHWORK ACTIVITIES AT THE SITE IN THE LOCATIONS SHOWN ON THE SITE PLAN AS WELL AS ALONG THE FRONT OF ANY LOT THAT SLOPES TOWARDS THE STREET.

TEMPORARY SEEDING:
DISTURBED AREAS OF THE SITE THAT ARE TO REMAIN IDLE FOR MORE THAN TWENTY ONE (21) DAYS SHALL BE PROPERLY SEEDED AND STRAW MULCHED WITHIN SEVEN (7) DAYS OF COMPLETION OF INITIAL GRADING. TEMPORARY SEEDING AND MULCHING OF A THIRTY (30) FOOT STRIP OF THE ENTIRE FRONT OF THE LOT SHALL BE MAINTAINED ON THE SITE ONCE INITIAL GRADING IS COMPLETE.

STABILIZATION OF CRITICAL AREAS WITHIN FIFTY (50) FEET OF ANY STREAM OR WETLAND SHALL BE COMPLETE WITHIN TWO (2) DAYS OF THE DISTURBANCE IF THE SITE IS TO REMAIN INACTIVE FOR LONGER THAN FOURTEEN (14) DAYS.

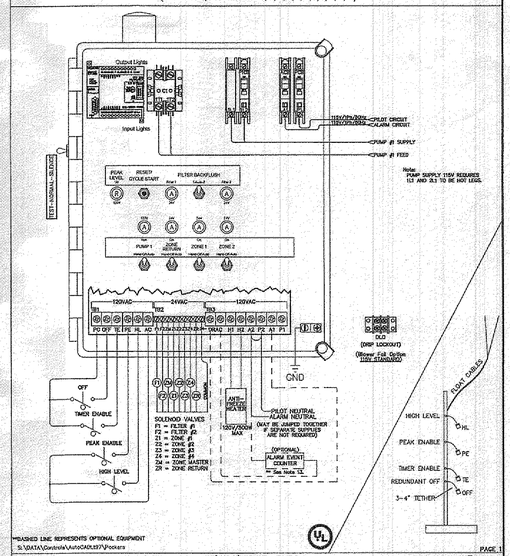
MULCHING:
STRAW MULCH SHALL BE APPLIED AT A RATE OF 1 BALE PER TEN (10) FEET OF CURB, AT A WIDTH OF THIRTY (30) FEET OF THE ENTIRE LENGTH OF THE LOT. WOOD CHIPS MAY ALSO BE USED BUT MUST BE SPREAD AT A MINIMUM DEPTH OF FOUR INCHES OVER THE THIRTY (30) FOOT WIDTH AND MUST BE ACCOMPANIED BY A PROPERLY INSTALLED SILT FENCE.

MAINTAINANCE:
EROSION AND SEDIMENT CONTROLS SHALL BE INSPECTED EVERY SEVEN (7) DAYS OR WITHIN 24 HOURS OF A 0.5" OR GREATER RAINFALL EVENT. NECESSARY REPAIRS SHALL BE MADE AT THIS TIME.

NOTE:
ALL EROSION AND SEDIMENT CONTROL SPECIFICATIONS, APPLICATIONS, AND TIMETABLES ARE BASED ON THE DESCRIPTIONS AND STANDARDS OF THE OHIO DEPARTMENT OF NATURAL RESOURCES "RAINWATER AND LAND DEVELOPMENT MANUAL" AND CAN BE FOUND IN THE LAKE COUNTY EROSION AND SEDIMENT CONTROL RULES AS ADOPTED DECEMBER 21, 1999.

THE SPECIFIED EROSION AND SEDIMENT CONTROL STANDARDS ARE GENERAL GUIDELINES AND SHALL NOT LIMIT THE RIGHT OF THE COUNTY TO IMPOSE, AT ANY TIME, ADDITIONAL, MORE STRINGENT, REQUIREMENTS. NOR SHALL THE STANDARDS LIMIT THE RIGHT OF THE COUNTY TO LAKE COUNTY SOIL AND WATER CONSERVATION DISTRICT.

AMERICAN PERC-RITE® CONTROLS
American Manufacturing Co., Inc. P.O. Box 549, Manassas, VA, 20108
Simplex and Duplex 2 and 4 Zone PERC-RITE Drip System
INSTALLATION GUIDE FOR "DP1" SERIES DRIP SYSTEM W/ STSF OPTION
(1 PHASE, OPTIONS A,B,C,E,F,H,J,L,P,R,W)



*DASHED LINE REPRESENTS OPTIONAL EQUIPMENT
S:\DATA\Controls\AutoCAD\STF\Pockets

PAGE 1

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NO.	DATE	DESCRIPTION	BY

SITE PLAN FOR
PERRINO CUSTOM HOMES
PP#20-A-024-H-00-009-0
10591 ANNA DRIVE
S/L 9 IN THE LAZIO'S RIDGE SUBDIVSION PH. 1
PLAT VOLUME 44, PAGE 31
CITY OF KIRTLAND, COUNTY OF LAKE
STATE OF OHIO

5425 WARNER ROAD - SUITE 12
VALLEY VIEW, OHIO 44125
440-602-9071
FAX 216-369-0259
AZTECH
ENGINEERING and SURVEYING
Civil Engineering · Land Surveying

HORIZ. SCALE:		VERT. SCALE:	
DRAWN BY:	CL	DATE:	4/16/2013
CHECKED BY:	SRL	DRAWING NO.:	20122621
JOB NO.:	20122621	SHEET	2 OF 2