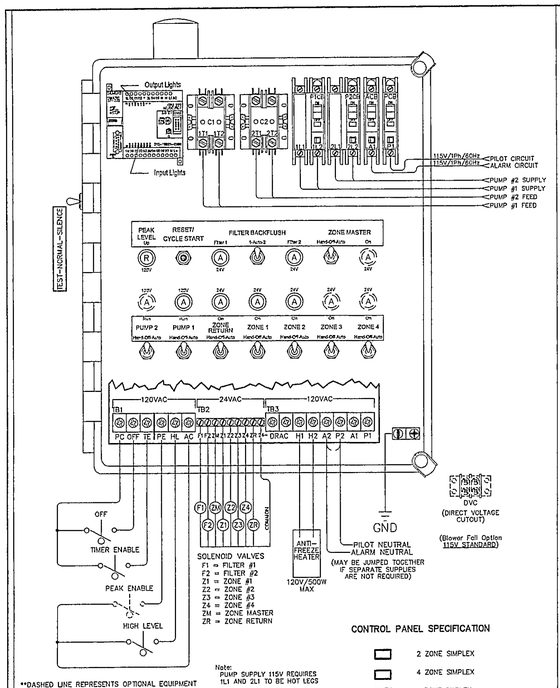
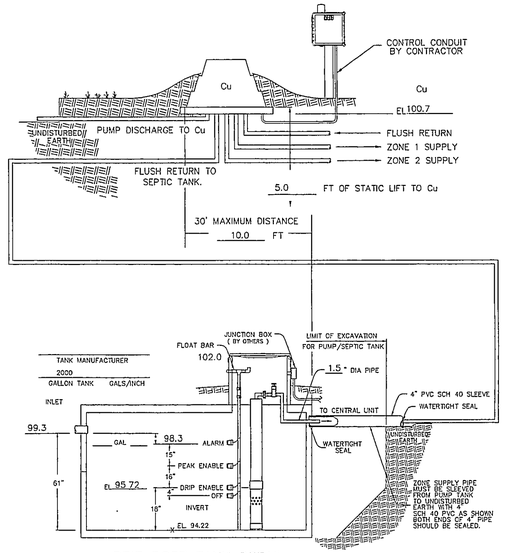


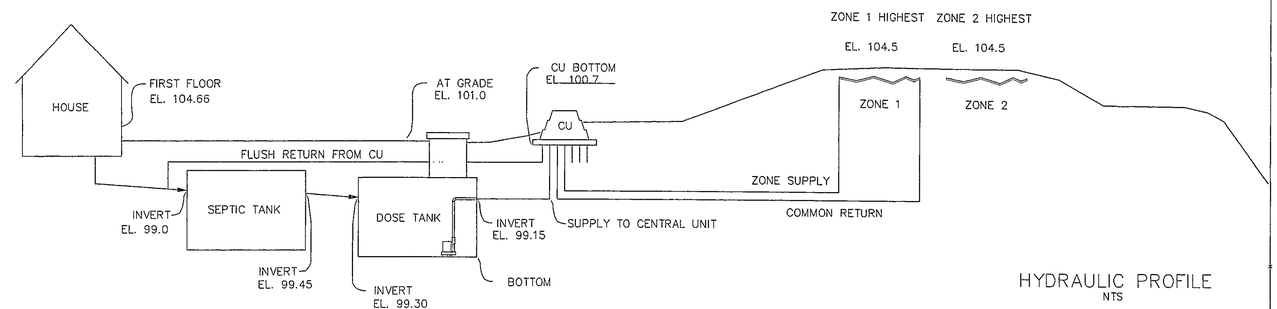


DRIP DOSE TANK DETAIL
NTS

AMERICAN MANUFACTURING CO.
5517 WELLINGTON RD. GAINESVILLE VA 20155; 703-754-0077

PROJECT NAME:	DR. BY: DATE:
	CK. BY: DATE:
	APP. BY: DATE:
COUNTY:	TITLE: Pump and Control Detail

FILE: S:\DATA\Catalogs\Engineer\Residential Plans\04.MICROMOUND\Drip1Pump.dwg | SCALE: | SHEET OF



HYDRAULIC PROFILE
NTS

LOCATION MAP

SPECIAL INSTRUCTIONS

AMERICAN MANUFACTURING CO.
5517 WELLINGTON RD. GAINESVILLE VA 20155; 703-754-0077

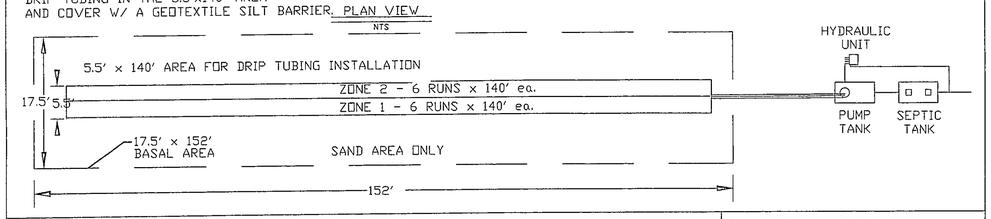
PROJECT NAME:	DR. BY: DATE:
	CK. BY: DATE:
	APP. BY: DATE:
COUNTY:	TITLE: HYDRAULIC PROFILE & TYP. DRIP DETAILS

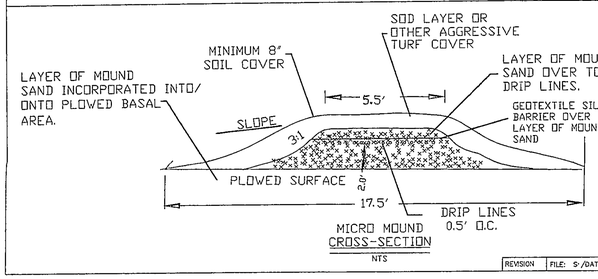
REV. | FILE: data/catalogs/engineer/residential plans/driphhydprof.dwg | SCALE: | SHEET OF

NOTES:

1. PLOW ENTIRE 17.5'x152' AREA OF DRAINFIELD (SAME WAY YOU WOULD A REGULAR MOUND).
2. ADD LAYER OF MOUND SAND INCORPORATING IT INTO/ONTO PLOWED BASAL AREA.
3. PLACE DRIP TUBING ON TOP OF SAND IN THE 5.5'x140' UPPER SECTION OF DRAINFIELD.
4. ADD LAYER OF MOUND SAND OVER TOP OF DRIP TUBING IN THE 5.5'x140' AREA AND COVER W/ A GEOTEXTILE SILT BARRIER.
5. COVER ENTIRE 17.5'x152' AREA OF DRAINFIELD WITH A MINIMUM COVER OF 8" WITH A TURTLE-BACK GRADE FOR POSITIVE DRAINAGE.
6. AN AGGRESSIVE TURF COVER OVER ENTIRE 17.5'x152' AREA IS RECOMMENDED (PREFERABLY SOD).

PLAN VIEW
NTS





MICRO MOUND CROSS-SECTION
NTS

BASAL AREA: 17.5'x152' = 2660 sqft
BASAL AREA LOADING: 0.14 gpd/sqft
SAND BED: 5.5'x140' = 770 sqft
SAND BED LOADING: 0.47 gpd/sqft
DRIP TUBING: 6 x280' = 1680 L.F.
ZONE 1: 3 runs x 280' = 840 L.F.
ZONE 2: 3 runs x 280' = 840 L.F.
LANDSCAPE LINEAR LOAD: 0.21 gpd/L.F.

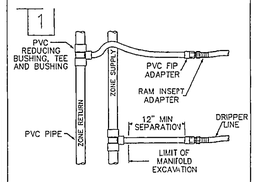
AMERICAN MANUFACTURING COMPANY INC.
5517 WELLINGTON ROAD, GAINESVILLE VA 20155 PHONE : 703-754-0077

PROJECT NAME :	DRAFTER DATE
	CHECKED DATE
	APPROVED DATE
COUNTY ·	TITLE · Mound Treatment SCHEMATIC
DESIGNED BY:	

REVISION | FILE: S:/DATA/Catalog/Engineer/Residential Plans/04 MICROMOUND\Mounddrip.dwg | SCALE . NTS | SHEET OF

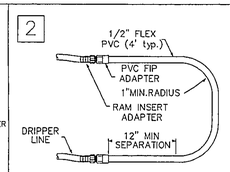
STANDARD RESIDENTIAL DRIP SYSTEM DETAILS

1



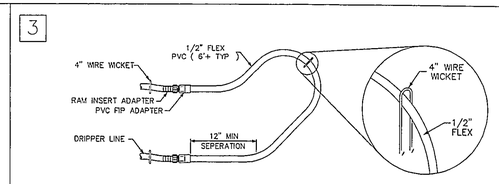
DRIP LINE CONNECTION TO MANIFOLD
NTS

2



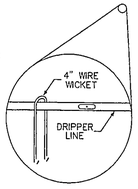
BURIED DRIP LOOP CONNECTION
NTS

3

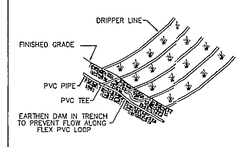


NEAR SURFACE DRIP LOOP CONNECTION
NTS

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.

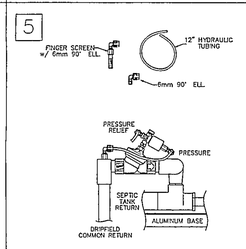


4



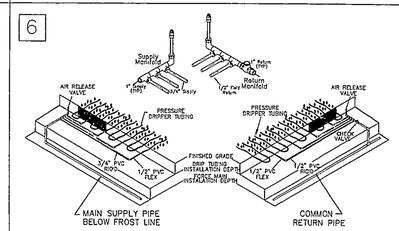
DRIPPER LINE SECTION DETAIL
NTS

5



RETURN PRESSURE ASSEMBLY
NTS

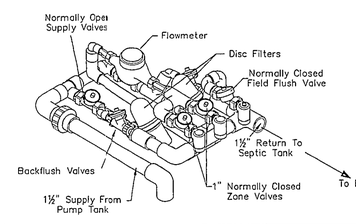
6



RESIDENTIAL

Patent No. 5,984,574

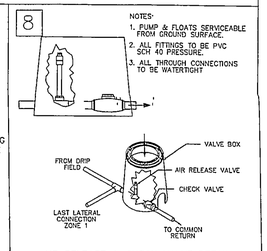
AMERICAN MFG. COMPANY
TWO-FILTER - 15 GPM
HYDRAULIC UNIT



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.

8

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



AIR RELEASE & CHECK VALVE DETAIL

David Rapp Services
3406 Dayton Road Madison, Ohio 44057
440-428-1686

DATE: JULY, 2005
DRAWN BY: DAR
CHECKED BY:
APPROVED BY: DAR
P.S. No. 7597

CLETUS TURNER, JR.
PP# 01A-089-0-00-028-0
MADISON TWP., OHIO

DAVID A. RAPP 7597 REGISTERED PROFESSIONAL ENGINEER