

\\land projects\otero signature homes\carlisle property 11--079\dwg\Drop System Plans.dwg 10/5/2011 9:12:23 AM EDT

DOSE TANK SIZE:

PDF FOR SYSTEM:

480 GPD

720 GALLONS

2000 GALLONS

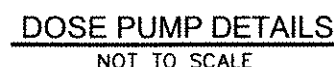
2560 GALLONS

11'-0" L X 6'-6" V

471 GALLONS

1100 GALLONS

500 GALLONS (~ 1.4 Day @ peak flow)



- 1) ALL INSTALLATION AND CONSTRUCTION TECHNIQUES SHALL CONFORM TO ODH AND Lake COUNTY CODES REGULATIONS PERTAINING TO ON SITE SEWAGE SYSTEMS AND THE PERMIT FOR THIS SITE.
- 2) THE INSTALLATION OF THIS SYSTEM SHALL BE IN ACCORDANCE WITH SPECIFICATIONS AND PROCEDURES AS SUPPLIED BY THE MANUFACTURER OF THE EQUIPMENT.
- 3) ALL PVC PIPE AND FITTINGS SHALL BE PVC SCH 40 TYPE 1 RATED FOR PRESSURE APPLICATIONS. ALL GLUED JOINTS SHALL BE CLEANED AND PRIMED WITH PURPLE (DYED) PVC PRIMER PRIOR TO BEING GLUED.
- 4) ALL CUTTING OF PVC PIPE, FLEXIBLE PVC AND DRIPPER TUBING SHALL BE ACCOMPLISHED WITH PIPE CUTTERS APPROVED BY MANUFACTURER. NO SAWING OF PVC, FLEXIBLE PVC OR DRIPPER TUBING ALLOWED.
- 5) ALL PVC PIPE, FLEXIBLE PVC AND DRIPPER TUBING IN THE WORK AREA SHALL HAVE THE ENDS COVERED WITH DUCT TAPE TO PREVENT CONSTRUCTION DEBRIS FROM ENTERING THE PIPE. PRIOR TO GLUING ALL JOINTS SHALL BE INSPECTED FOR AND CLEARED OF ANY CONSTRUCTION DEBRIS.
- 6) NO WET WEATHER INSTALLATION IS PERMITTED.
- 7) NO ACTIVITY ON DRAIN FIELD AREA OTHER THAN MINIMUM REQUIRED TO INSTALL SYSTEM. DO NOT PARK EQUIPMENT, DRIVE LARGE EQUIPMENT OVER, OR STORE MATERIALS ON DRAIN FIELD SITE.
- 8) HORIZONTAL SPACING BETWEEN DRIPPER LINES AND THE INSTALLATION DEPTH SHALL BE AS SPECIFIED.
- 9) IF TREES ARE TO BE REMOVED FROM SITE, CUT STUMPS FLUSH WITH GROUND REMOVE WITH LOW GROUND PRESSURE EQUIPMENT.
- 10) GRAVEL BASE UNDER CENTRAL CONTROL UNIT IS TO BE DRAINED VIA 2" PVC PIPE, SCREENED AT INLET AND OUTLET, DISCHARGE TO BE AT GRADE DOWN SLOPE (TO ENSURE DRAINAGE OF SURFACE WATER FROM UNIT.)

INSTALLATION:

START-UP:

OPERATION & MAINTENANCE:

[illegible]

NOT TO SCALE

- 1) THE CONTRACTOR SHALL BE CERTIFIED TO INSTALL THIS TYPE OF SYSTEM BY THE MANUFACTURER AND SHALL HOLD A PRE CONSTRUCTION MEETING WITH THE INDIVIDUALS RESPONSIBLE FOR SOIL EVALUATION, PERMITTING AND INSPECTIONS PRIOR TO SITE WORK BEGINNING TO INSURE PROTECTION OF THE SITE CONDITIONS AND TO ENSURE THE SYSTEM IS INSTALLED ACCORDING TO DESIGN.
- 2) IF SITE CONDITIONS ARE DETERMINED TO REQUIRE THE INSTALLATION OF THE SYSTEM TO DEVIATE FROM THESE PLANS, ALL SITE WORK SHALL STOP IMMEDIATELY AND THE DESIGNER SHALL BE NOTIFIED. ANY ONGOING WORK SHALL BE AT THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- 13) DRAIN FIELD SUPPLY AND RETURN LINES TO BE INSTALLED AT ADEQUATE DEPTH TO PREVENT FREEZING.
- 14) THIS DESIGN COMPLIES WITH THE "SEWAGE HANDLING AND DISPOSAL REGULATIONS".
- 15) OPERATION AND MAINTENANCE MANUAL TO BE PROVIDED AT JOB COMPLETION.
- 16) PRIOR TO STARTUP OF THE DRIP DISPOSAL SYSTEM THE AIR RELEASE VALVES SHALL BE REMOVED AND EACH ZONE IN THE SYSTEM SHALL BE FLUSHED AS FOLLOWS:
 - a) USING AN APPROPRIATE LENGTH OF FLEXIBLE PVC PIPE W/ A MALE FITTING ATTACHED TO THE AIR RELEASE CONNECTION TO DIRECT THE FLUSHING AWAY FROM THE CONSTRUCTION AREA, b) FLUSH THE ZONE WITH A VOLUME OF WATER (CLEAN WATER TO BE PROVIDED BY CONTRACTOR) EQUAL TO 1.5 TIMES THE VOLUME OF THE PIPES FROM THE CENTRAL UNIT TO THE AIR RELEASE VALVE, c) REPEAT THIS PROCEDURE FOR EACH ZONE (THE FLUSHING SYSTEM IS ACCOMPLISHED BY MANUAL OVERRIDE OF THE CONTROL PANEL BY THE MANUFACTURER OR ENGINEER.)

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PREPARED UNDER THE
SUPERVISION OF:



REVISIONS

**Michael & Nicole Carlisle Property
HOUSEHOLD SEWAGE TREATMENT &
ONSITE DISPOSAL SYSTEM
DOSE TANKI DETAILS & INSTALL NOTES**

SITE LOCATION:
33900 Fairmount Blvd
Kirtland, Lake County, State of Ohio

Site Address:

10180 Orchard Drive
Parcel #20A022E000040
Kirtland
Lake County-State of Ohio

Prepared For:

Otero Signature Homes
8859 E. Washington St.
Bainbridge, OH
(216) 346-7301

HESS Project #11-079

| | |
|--------------|---------|
| DESIGNED BY: | MT |
| DRAWN BY: | MT |
| CHECKED BY: | GJH |
| DATE | 10/2008 |
| SCALE | N/A H. |
| | N/A V. |

6 of 6

NOTES:

1. SMALL TREES IN BASAL AREAS OF DRIP ZONES SHALL BE REMOVED
2. SCARIFY IMMEDIATE AREAS TO MAX. DEPTH OF 6".
3. ADD 1-2" LAYER OF CLEAN CONCRETE SAND AND MIX INTO SCARIFIED BASAL AREA(OPTIONAL)
4. CONCRETE SAND - C-33 WITH EFFECTIVE SIZE WITHIN 0.15-0.30 mm AND UNIFORMITY COEFFICIENT WITHIN 4-6.
5. 8" MINIMUM SETTLED CLEAN TOPSOIL COVER
6. SEED AND STRAW TO COUNTY SPECIFICATIONS WITH A TURTLE-BACK GRADE FOR POSITIVE DRAINAGE.

DRIP SYSTEM DETAILS PROVIDED BY:

ACTIVE
WASTEWATER SYSTEMS, INC.