



**HESS & ASSOCIATES  
ENGINEERING INC.**  
12121 KINSMAN ROAD  
NEWBURY, OHIO 44065  
Telephone: (440) 564-8008  
Fax: (440) 564-8176

PREPARED UNDER THE  
SUPERVISION OF:



REVISIONS

Michael & Nicole Carlisle Property  
HOUSEHOLD SEWAGE TREATMENT &  
ONSITE DISPOSAL SYSTEM  
DRIP SYSTEM COMPONENT DETAILS

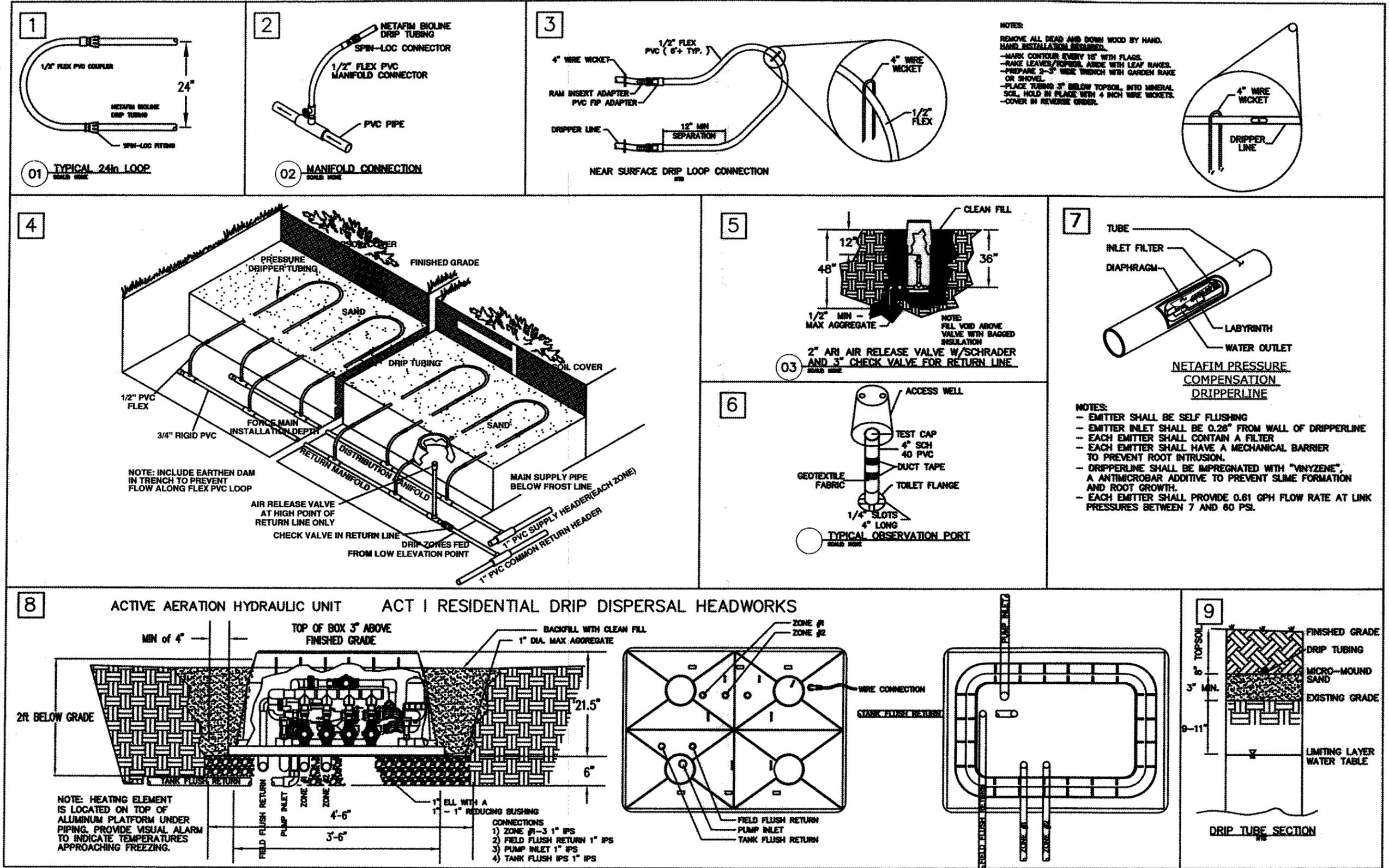
SITE LOCATION:  
10180 Orchard Drive-Parcel #20A022E000040  
Kirtland, Lake County, State of Ohio

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: G/JH  
DATE: 9/2011  
SCALE: N/A V.  
N/A V.



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 3'-5" 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.

NOTES:  
- EMITTER SHALL BE SELF FLUSHING  
- EMITTER INLET SHALL BE 0.26" FROM WALL OF DRIPPERLINE  
- EACH EMITTER SHALL CONTAIN A FILTER  
- EACH EMITTER SHALL HAVE A MECHANICAL BARRIER  
TO PREVENT ROOT INTRUSION.  
- DRIPPERLINE SHALL BE IMPREGNATED WITH "VINYZENE",  
A ANTIMICROBIAL ADDITIVE TO PREVENT SLIME FORMATION  
AND ROOT GROWTH.  
- EACH EMITTER SHALL PROVIDE 0.61 GPH FLOW RATE AT LINK  
PRESSURES BETWEEN 7 AND 60 PSI.

NOTE: HEATING ELEMENT  
IS LOCATED ON TOP OF  
ALUMINUM PLATFORM UNDER  
PIPING. PROVIDE VISUAL ALARM  
TO INDICATE TEMPERATURES  
APPROACHING FREEZING.

**DRIP SYSTEM COMPONENT DETAILS**

DRIP SYSTEM DETAILS PROVIDED BY:

**ACTIVE**  
WASTEWATER SYSTEMS, INC.

P.O. BOX  
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