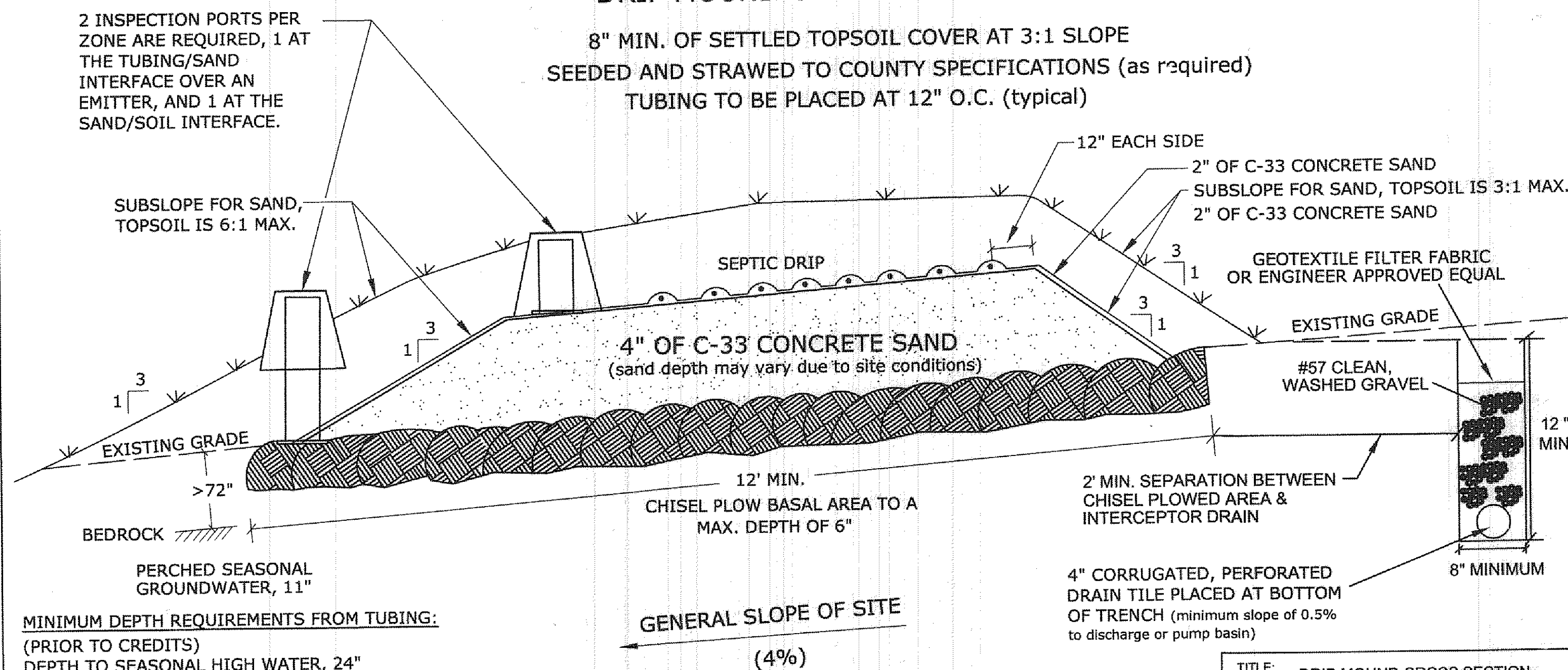



8" MIN. OF SETTLED TOPSOIL COVER AT 3:1 SLOPE  
 EDED AND STRAWED TO COUNTY SPECIFICATIONS (as required)  
 TUBING TO BE PLACED AT 12" O.C. (typical)



MINIMUM DEPTH REQUIREMENTS FROM TUBING:  
(PRIOR TO CREDITS)  
DEPTH TO SEASONAL HIGH WATER, 24"  
DEPTH TO BEDROCK, 48"

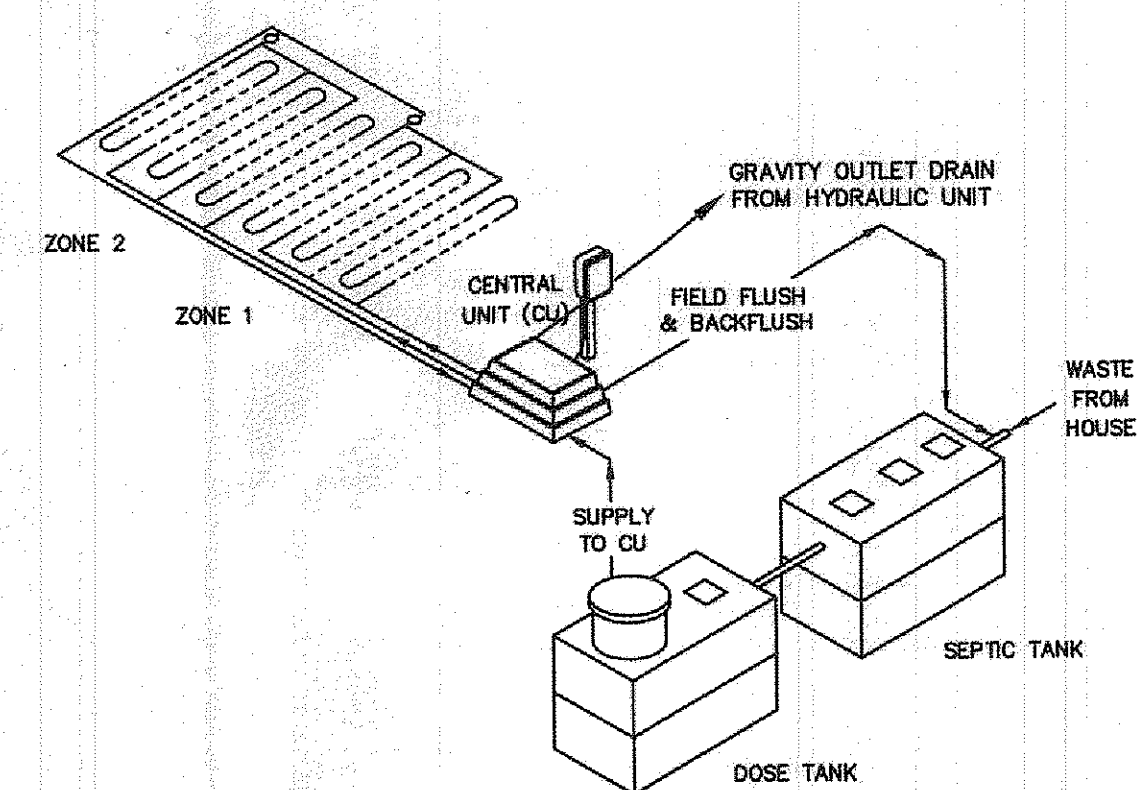
BASED ON SOIL REPORT (WORST CASE BORING #4),  
ACTUAL DEPTH TO SEASONAL HIGH WATER, 10"  
ACTUAL DEPTH TO BEDROCK, >72"

BASED ON PROPOSED 4" SAND DEPTH,  
 DEPTH TO SEASONAL HIGH WATER = 10" + 4" (1:1 CREDIT SAND ELEVATION)  
 + 12" (CREDIT FOR MICRO DOSING) = 26" > 24" (OK)

TITLE: DRIP MOUND CROSS SECTION SLOPED SITE		 <b>StreamKey</b> Engineering Plumbing & Wastewater Solution 10515 Reading Road Cincinnati, OH 45241 513-755-7001
Homeowner Location County, Ohio		
DR. BY: RKM	Engineered By:	
CK BY: EJK		
DATE:		
SCALE: None		
SHEET NO.	FILE:	

- GENERAL NOTES - DRIP DISPOSAL
1. ALL INSTALLATION AND CONSTRUCTION TECHNIQUES SHALL CONFORM TO COUNTY CODES AND OHIO DEPARTMENT OF HEALTH "SEWAGE TREATMENT SYSTEM RULES" PERTAINING TO ON-SITE SEWAGE TREATMENT SYSTEMS AND THE PERMITS FOR THIS SITE.
2. THE INSTALLATION OF THIS SYSTEM SHALL BE IN ACCORDANCE WITH SPECIFICATIONS AND PROCEDURES AS SUPPLIED BY THE MANUFACTURERS 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 GLENNED AND PROTECTED FROM CORROSION.
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 IS 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 CLEANED AND FREE OF ANY CONSTRUCTION DEBRIS.
6. NO WET WEATHER INSTALLATION IS PERMITTED.
7. NO ACTIVITY ON DRAINFIELD AREA NOR ON REPLACEMENT AREA OTHER THAN MINIMUM REQUIRED TO INSTALL SYSTEM. NO EXCESSIVE TRAFFIC OR LARGE EQUIPMENT OVER, OR STORE MATERIALS ON DRAINFIELD NOR ON REPLACEMENT AREA SITE.
8. HORIZONTAL SPACING BETWEEN DRIPPER LINES AND THE INSTALLATION DEPTH SHALL BE AS SPECIFIED.
9. THE BUILDING SEWER SHALL BE 4" SCH 40 PVC WITH A MINIMUM SLOPE OF 1/4" PER FOOT. THESE SHALL BE 12" OR LARGER WHEN GREATER THAN 45 DEGREES.
10. ALL SEWERS SHALL BE PROVIDED EVERY 100 FEET, FOR CONSTRUCTION TECHNIQUES REFER TO THE "SEWAGE TREATMENT SYSTEM RULES".
11. IF TREES OR BRUSH ARE TO BE REMOVED FROM SITE, FOLLOW LOCAL HEALTH DEPARTMENT REGULATIONS FOR REMOVAL.
12. 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).
13. THE INSTALLER/CONTRACTOR SHALL BE QUALIFIED 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 BEGINNING SITE WORK. THIS IS REQUIRED TO ENSURE PROTECTION OF THE SITE CONDITIONS AND TO ENSURE THE SYSTEM IS INSTALLED ACCORDING TO THE DESIGN.
14. IF SITE CONDITIONS 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 AT THE TIME OF THE STOPPAGE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
15. DRAINFIELD SUPPLY, RETURN AND MANHOLE LINES TO BE INSTALLED AT ADEQUATE DEPTH TO PREVENT FREEZING, OR AT A MINIMUM OF 3' BELOW GRADE.
16. AREAS DESIGNATED FOR INSTALLATION AND REPLACEMENT SHALL BE UNDISTURBED AND THESE AREAS DESIGNATED FOR PROTECTION FROM DAMAGE OR DISTURBANCE. ANY DISTURBANCE OR DAMAGE OF THESE DESIGNATED AREAS MAY RESULT IN THE INVALIDATION OF THIS DESIGN PLAN. IF ANY DISTURBANCE OR DAMAGE HAS OCCURRED, INSTALLATION SHALL NOT PROCEED AND THE REGISTERED INSTALLER SHALL CONTACT THE BOARD OF THE DRIP DISPOSAL SYSTEMS FOR RESOLUTION OF THE DISTURBANCE AND THE BOARD OF HEALTH.
17. AN AS-BUILT RECORD OF THE INSTALLATION IS REQUIRED FROM THE REGISTERED INSTALLER.

THIS PLAN SET AND ALL INFORMATION CONTAINED WITHIN SHALL NOT BE UTILIZED FOR ANY OTHER PURPOSE THAN THE SITING OF THE ONSITE WASTEWATER TREATMENT SYSTEM SHOWN HEREIN. PERMISSION IS HEREBY GRANTED TO THE OWNER AND/OR HIS AGENT FOR THE PURPOSE STATED ABOVE, ON THIS SPECIFIC LAND PARCEL ONLY. THIS DRAWING SET AND ALL THE INFORMATION CONTAINED WITHIN SHALL REMAIN THE PROPERTY OF STREAMKEY INC. AND SHALL NOT BE USED BY ANY PERSON OR FOR ANY OTHER PURPOSE WITHOUT THE EXPRESSED WRITTEN APPROVAL OF STREAMKEY INC.



**System Schematic**  
(Not Intended for Construction)


TITLE:		COVER PAGE	
		MOULD INSTALLATION	
		Homeowner Location County, Ohio	
DR. BY: RKM	Engineered By:	 <b>StreamKey</b> Electrical Plumbing & Mechanical Solutions 10515 Reading Road Cincinnati, OH 45241 513-767-1221	
CK BY: EJK			
DATE:			
SCALE: None			
SHEET NO.	FILE:		

Diagram illustrating the plan view of the test area. The test cell is rectangular, measuring 16' in width and 12' in height. The layout includes:

- OBSERVATION PORTS:** Two ports are indicated on the left side of the test cell.
- TOE OF SOIL:** The boundary between the soil and the test material.
- TOE OF SAND:** The boundary between the sand and the test material.
- TOE OF SLOPE:** The boundary between the slope and the test material.
- RUNS OF TUBING (8 @ 1.0' = 7' + 1' EACH SIDE = 9'):** Eight runs of tubing are shown, arranged in two rows of four on each side of the test cell.

8 RUNS OF DRIP TUBING  
120' LONG FOR A TOTAL  
OF 960 LINEAR FEET IN  
ZONE 2 PLACED 1.0' O.C.

1/2" DIAMETER  
BLACK FLEXIBLE  
PIPE

END LOOPS TO BE  
ELEVATED FOR DRAIN  
BACK INTO DRIP TUBING


8 RUNS OF DRIP TUBING  
120' LONG FOR A TOTAL  
OF 960 LINEAR FEET IN  
ZONE 1 PLACED 1.0' O.C.

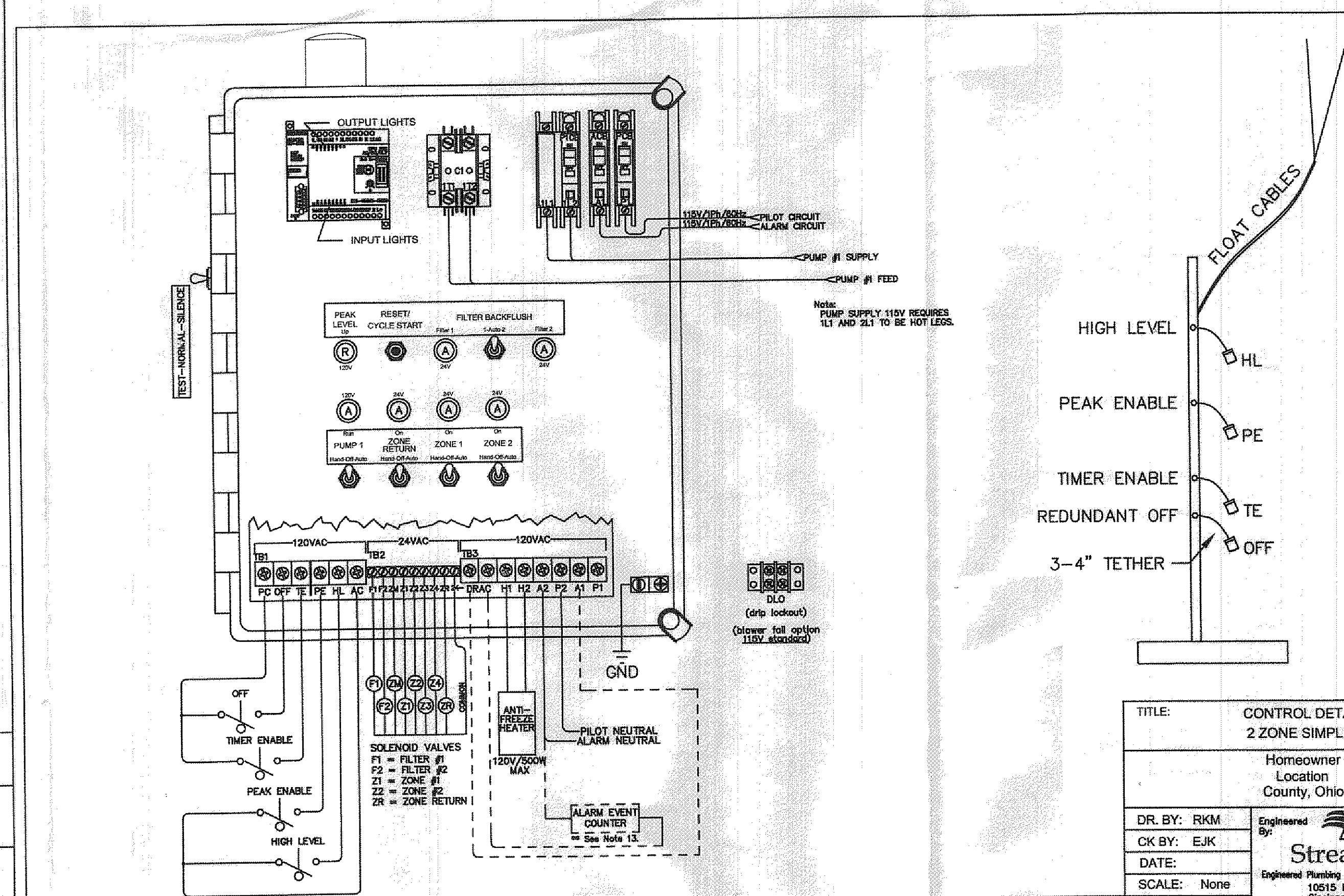
AIR RELEASE &  
CHECK VALVE


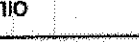

MANIPULATED DETAIL  
NOT TO SCALE

GENERAL SLOPE

\*\*BOTH SUPPLY AND A  
COMMON RETURN LINE  
ARE TO BE SCH. 40  
PVC PIPING WITH  
PRESSURE RATED  
FITTINGS AND FROST  
PROTECTED.

TITLE: <b>ZONE LAYOUT DRIP MOUND INSTALLATION</b>	
Homeowner Location County, Ohio	
DR. BY: RKM CK BY: EJK DATE: SCALE: None	Engineered By:  <b>StreamKey</b> Engineered Planning & Waterworks Solutions 10515 Reading Road Cincinnati, OH 45241 513-265-1221
SHEET NO. _____ FILE: _____	



	TITLE:	CONTROL DETAIL 2 ZONE SIMPLEX
		Homeowner Location County, Ohio
	DR. BY: RKM	Engineered By 
	CK BY: EJK DATE: SCALE: None	 StreamKey Engineered Plumbing & Mechanical Solutions 10515 Reading Road Cincinnati, OH 45241 513-762-1123
SHEET NO.	FILE:	

13019-019

[illegible]

**Barrington**  
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**ENZOCO HOMES**  
**ENZO PERFETTO**  
12021 RAVENNA ROAD  
MUNSON, OHIO 44024  
PH: 440.285.7600/FAX: 285.4031

**SITE PLAN**  
8888 SHETLAND CT., KIRTLAND, OHIO 44094  
SIL '19 ROCKING HORSE FARMS SUBDIVISION No. 1 VOL. 31 PG. 17

DRAWN  
WSO  
CHECKED  
DWN  
DATE  
JUNE 5, 2013  
SCALE  
1" = 30'  
JOB NO.  
13019-019  
SHEET  
2/3