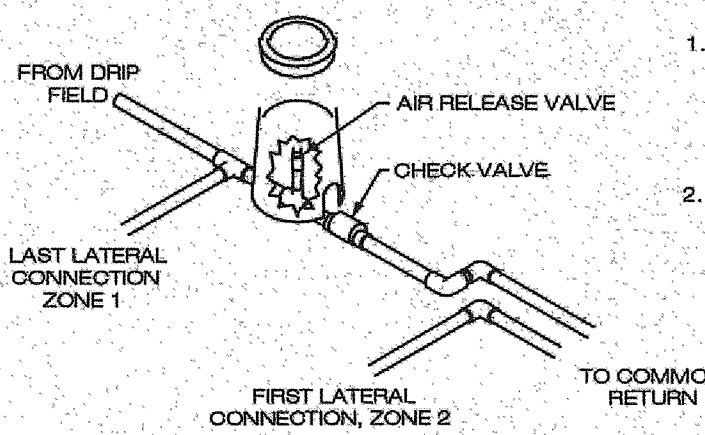
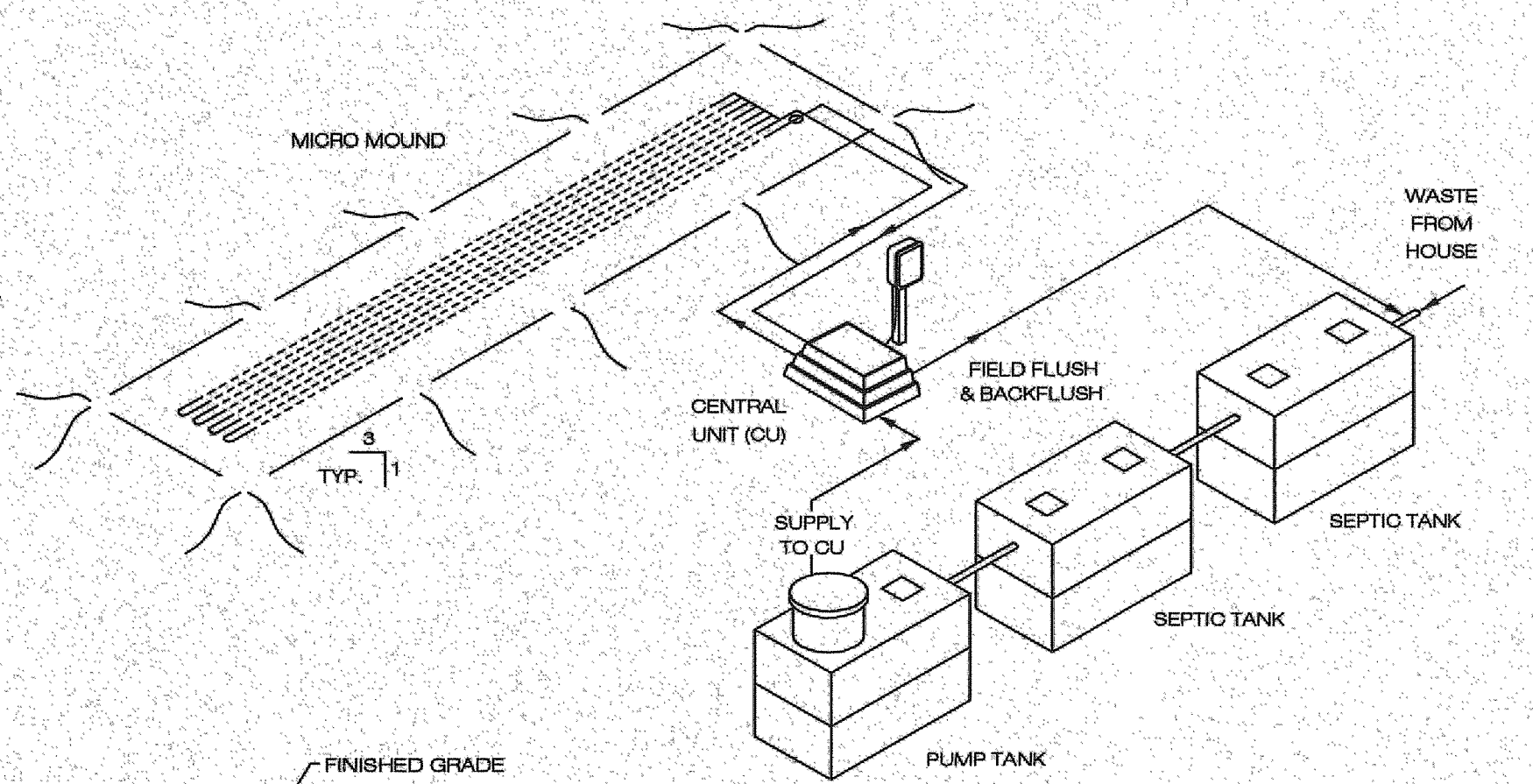


GENERAL NOTES - DRIP DISPOSAL

1. ALL INSTALLATION AND CONSTRUCTION TECHNIQUES SHALL CONFORM TO COUNTY CODES AND STATE BOARD OF HEALTH "SEWAGE HANDLING AND DISPOSAL 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 DRAINFIELD AREA OTHER THAN MINIMUM REQUIRED TO INSTALL SYSTEM. DO NOT PARK EQUIPMENT, DRIVE LARGE EQUIPMENT OVER, OR STORE MATERIALS ON DRAINFIELD SITE.
8. HORIZONTAL SPACING BETWEEN DRIPPER LINES AND THE INSTALLATION DEPTH SHALL BE AS SPECIFIED.
9. THE BUILDING SEWER SHALL BE 4" SCH40 PVC WITH A MINIMUM SLOPE OF 1/4" PER FOOT. THERE SHALL BE NO BENDS GREATER THAN 45 DEGREES. CLEANOUTS SHOULD BE PROVIDED EVERY 25 FEET.
10. FOR CONSTRUCTION TECHNIQUES REFER TO THE "SEWAGE HANDLING AND DISPOSAL REGULATIONS".
11. IF PRESS ARE TO BE REMOVED FROM SITE, CUT STUMPS FLUSH WITH GROUND. REMOVE BY HAND.
12. GRAVEL BASE UNDER CENTRAL CONTROL UNIT IS TO BE DRAINED VIA 2" PVC PIPE, SLOPED AT INLET AND OUTLET, DISCHARGE TO BE AT GRADE DOWN SLOPE (TO ENSURE DRAINAGE OF SURFACE WATER FROM UNIT).
13. 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.
14. 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.
15. DRAINFIELD SUPPLY AND RETURN LINES TO BE INSTALLED AT ADEQUATE DEPTH TO PREVENT FREEZING.



- NOTE:
1. THE AIR RELEASE VALVE SHALL BE PLACED AT THE HIGHEST POINT ON THE RETURN LINE OF EACH ZONE.
 2. EACH ZONE TO HAVE THE SAME VALVE BOX SETUP AND THEREAFTER CONNECTED.

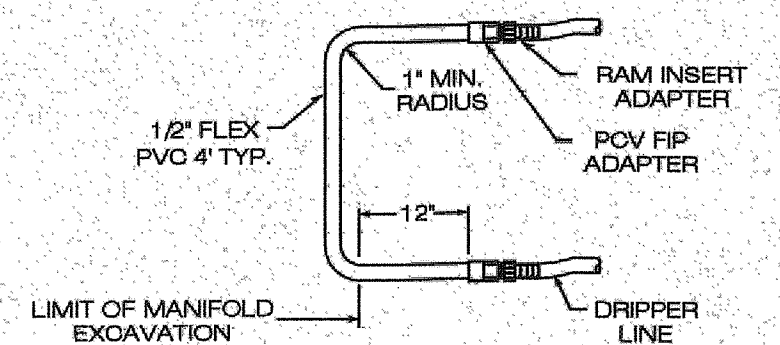
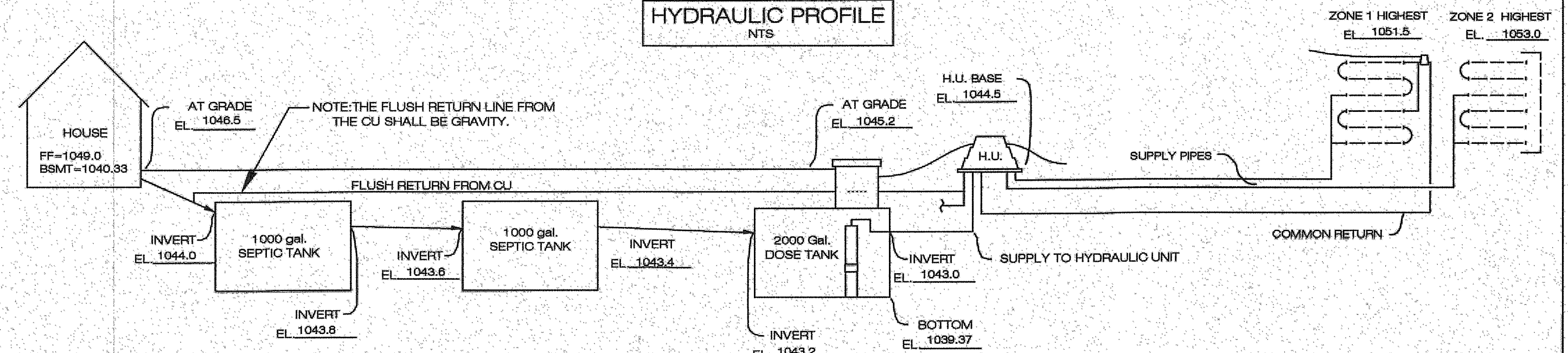


SUBSURFACE DISTRIBUTION SYSTEM

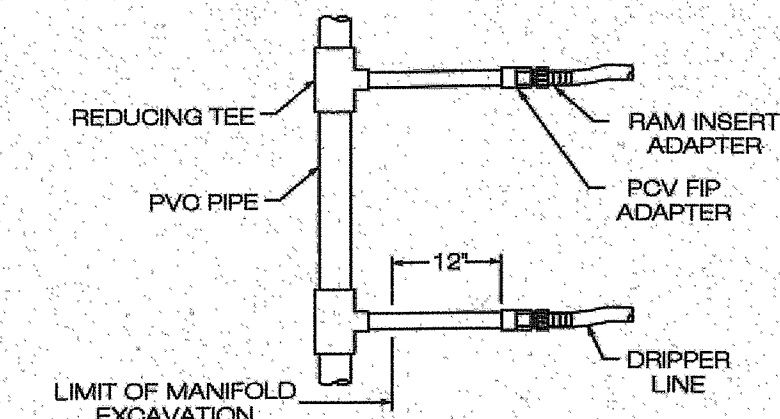
SCOPE:

THE CENTRAL UNIT WILL DISPOSE OF THE EFFLUENT BY ALTERNATELY DOSING MULTIPLE ZONES IN THE ABSORPTION AREA.

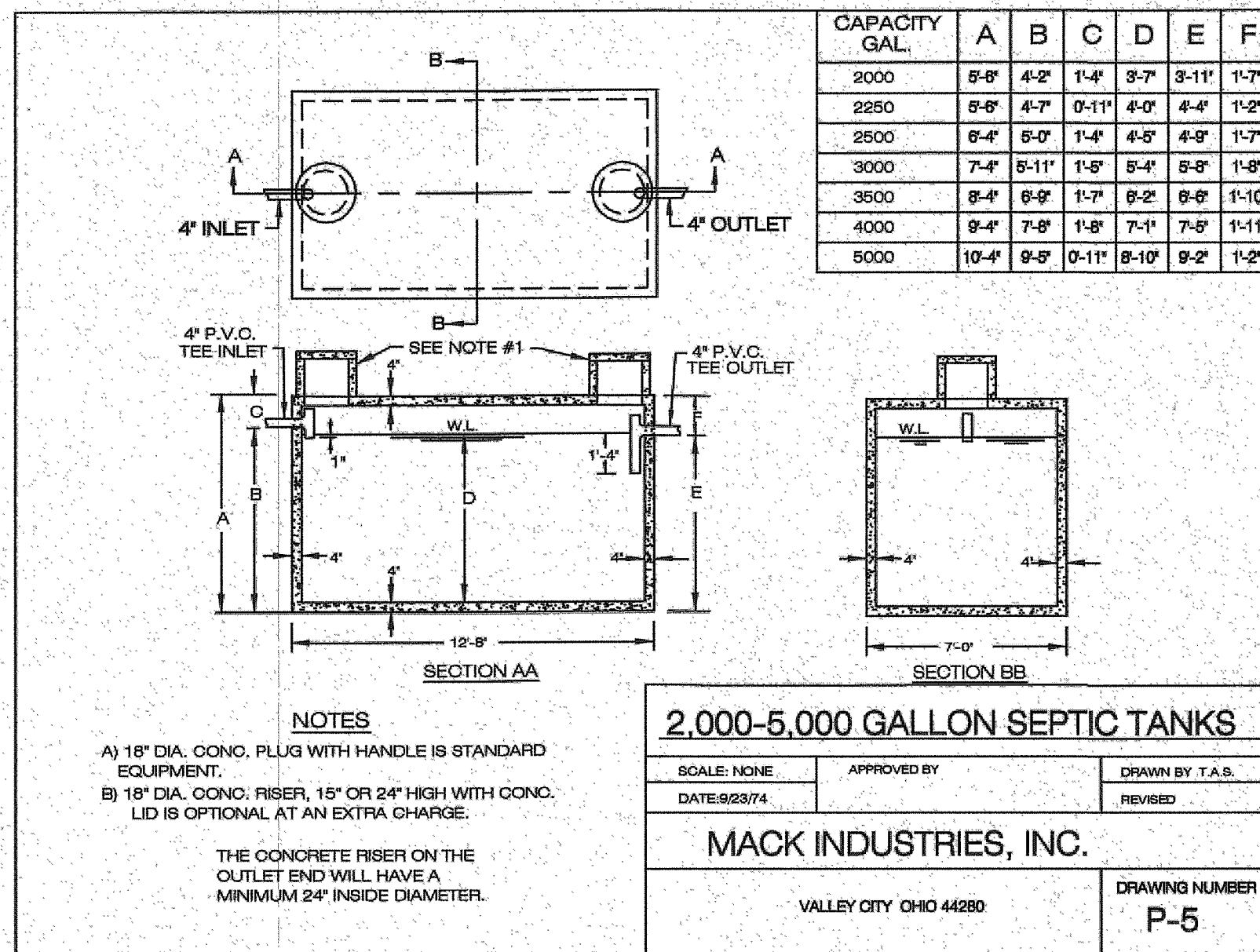
THE CENTRAL UNIT COMPRISES BOTH THE CONTROL AND THE HYDRAULIC UNITS.



TYPICAL DRIP LOOP CONNECTION



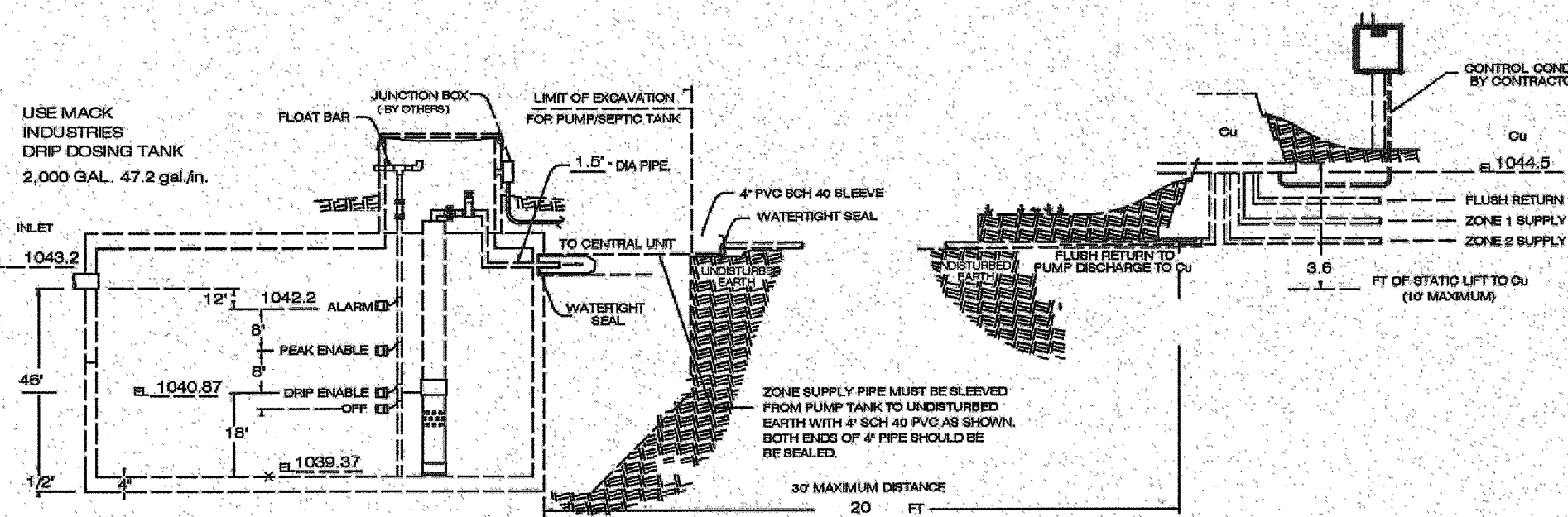
TYPICAL MANIFOLD CONNECTION



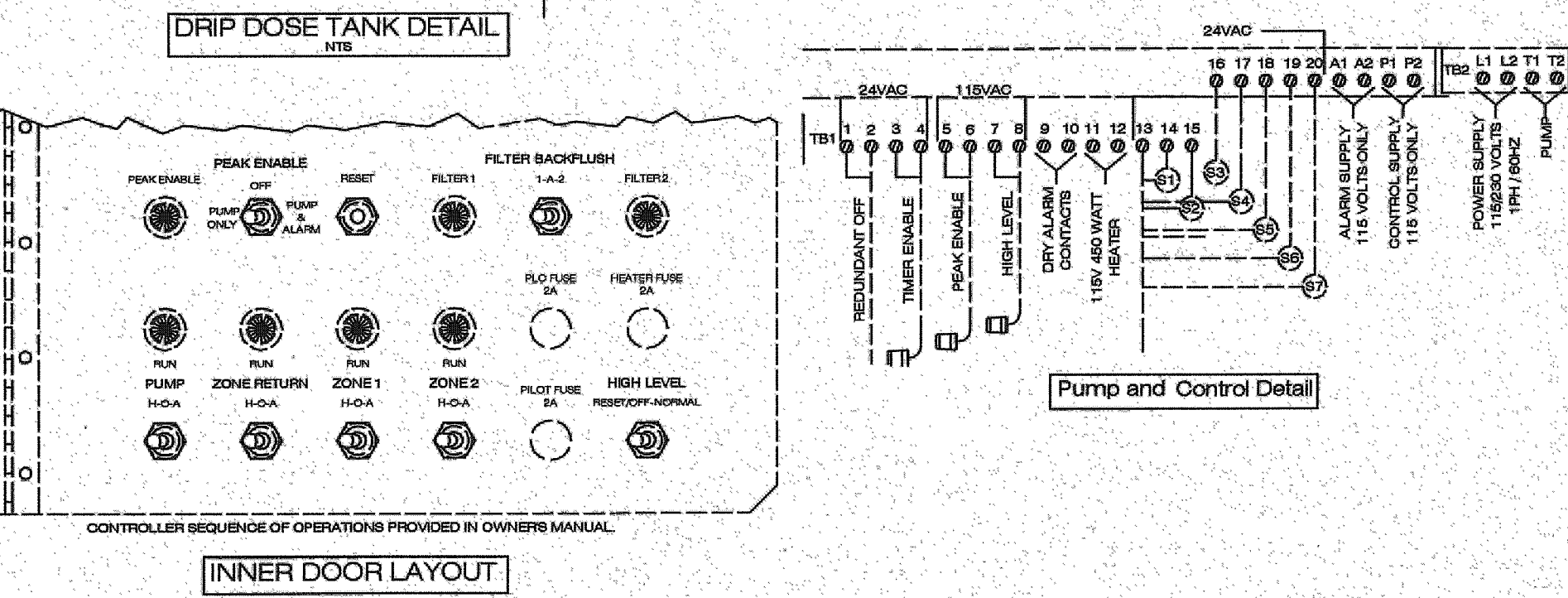
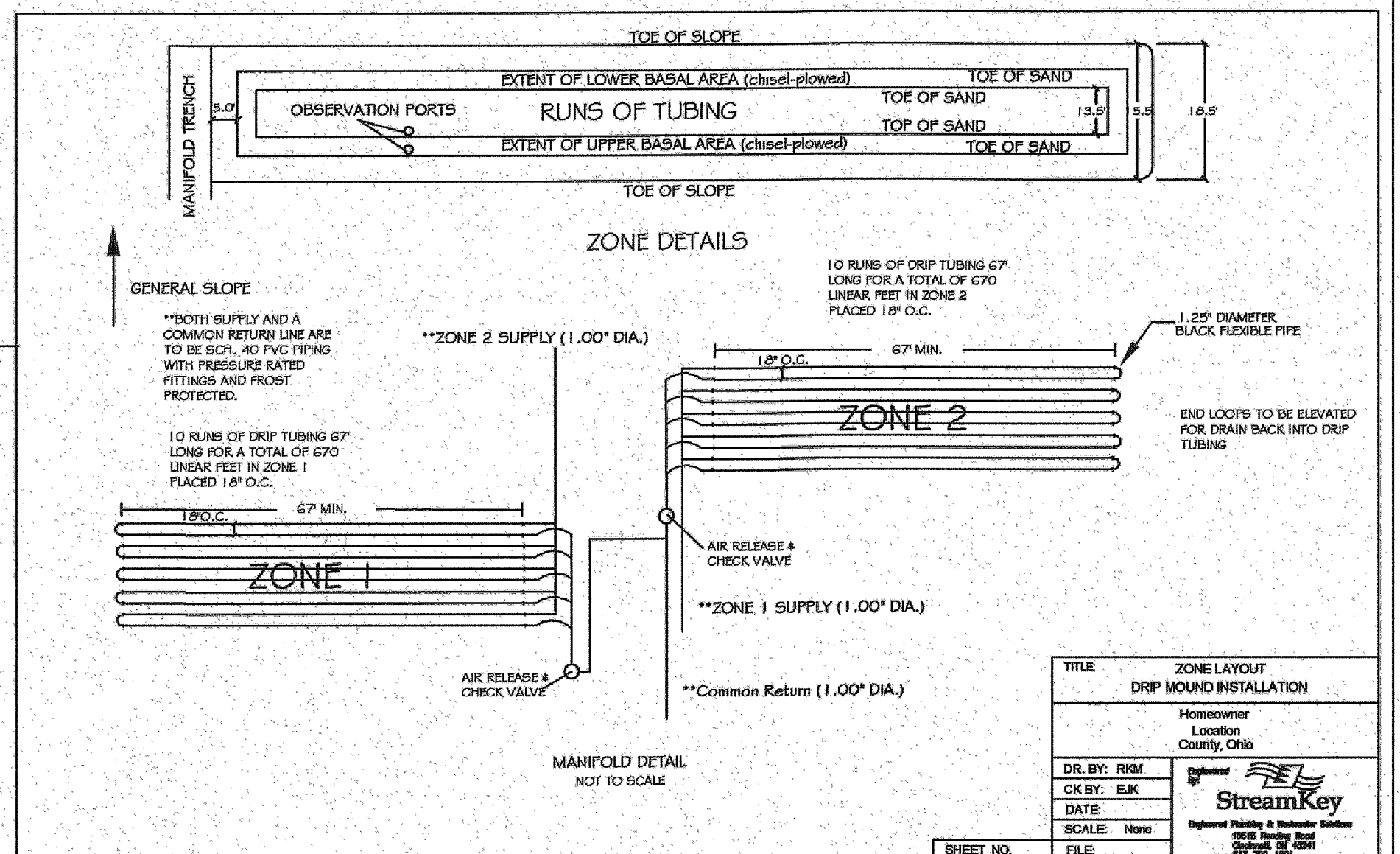
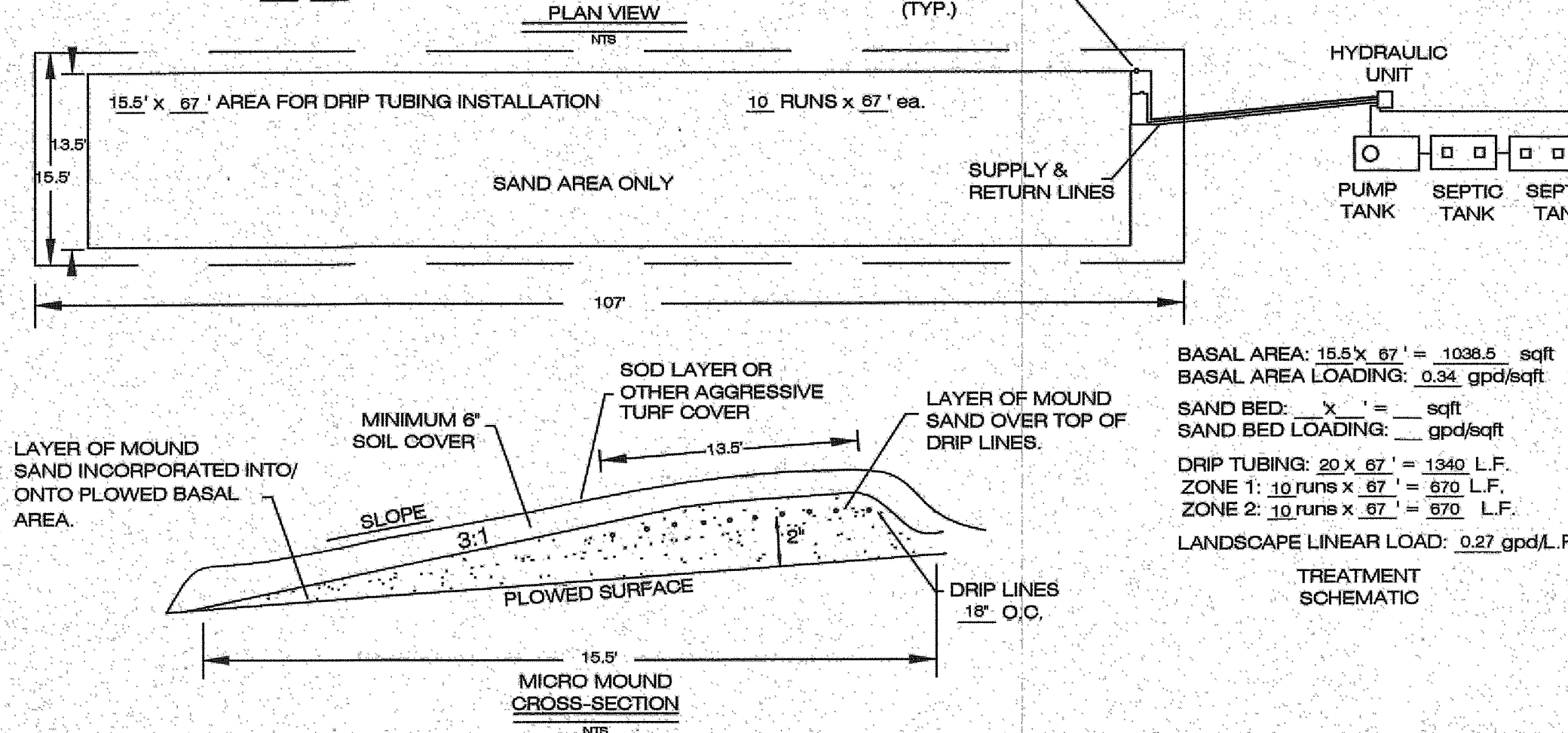
CAPACITY GAL.	A	B	C	D	E	F
2000	8'-8"	4'-2"	1'-4"	3'-7"	3'-11"	1'-7"
2250	8'-8"	4'-7"	0'-11"	4'-0"	4'-4"	1'-2"
2500	8'-4"	5'-0"	7'-4"	4'-8"	4'-8"	1'-7"
3000	7'-4"	5'-11"	1'-8"	5'-4"	5'-8"	1'-8"
3500	8'-4"	5'-8"	1'-7"	6'-2"	6'-6"	1'-10"
4000	9'-4"	7'-8"	1'-8"	7'-1"	7'-5"	1'-11"
5000	10'-4"	9'-5"	0'-11"	8'-10"	9'-2"	1'-2"

2,000-5,000 GALLON SEPTIC TANKS

SCALE: NONE	APPROVED BY	DRAWN BY T.A.S.
DATE: 8/28/14	REVISED	REVISED
MACK INDUSTRIES, INC.		
VALLEY CITY OHIO 44280		
DRAWING NUMBER P-5		

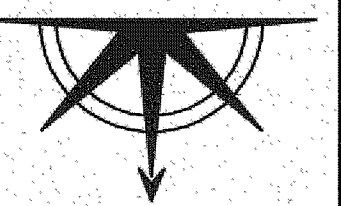


- NOTES:
1. PLOW ENTIRE 15.5' x 67' AREA OF DRAINFIELD (SAME WAY YOU WOULD A REGULAR MOUND).
 2. ADD LAYER OF MOUND SAND INCORPORATING
 3. PLACE DRIP TUBING ON TOP OF SAND IN THE 13.5' x 67' UPPER SECTION OF DRAINFIELD.
 4. ADD 2" LAYER OF MOUND SAND OVER TOP OF DRIP TUBING IN THE 13.5' x 67' AREA
 5. COVER ENTIRE 13.5' x 67' AREA OF DRAINFIELD WITH A MINIMUM COVER OF 6" OF TOP SOIL WITH A TURTLE-BACK GRADE FOR POSITIVE DRAINAGE.
 6. AN AGGRESSIVE TURF COVER OVER ENTIRE 13.5' x 67' AREA IS RECOMMENDED (PREFERABLY SOD).



Revisions	
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Jones Surveying, LLC
ENGINEERS - SURVEYORS - PLANNERS
1924 MENTOR AVE., PAINESVILLE, OHIO
(PH.) 440-357-1811 (FAX) 440-357-8173
(E-MAIL) bjonesurveying@yahoo.com



Date: 7/2/14
Scale: Hor. 1"=30'
Vert.
Filename: 14-088
Tab Name: 14-050
Computer: GMB

DETAILS
GREEN SHAMROCK
CONCORD TWP. - LAKE COUNTY - OHIO

Sheet 2 of 2
Contract No. 14-088