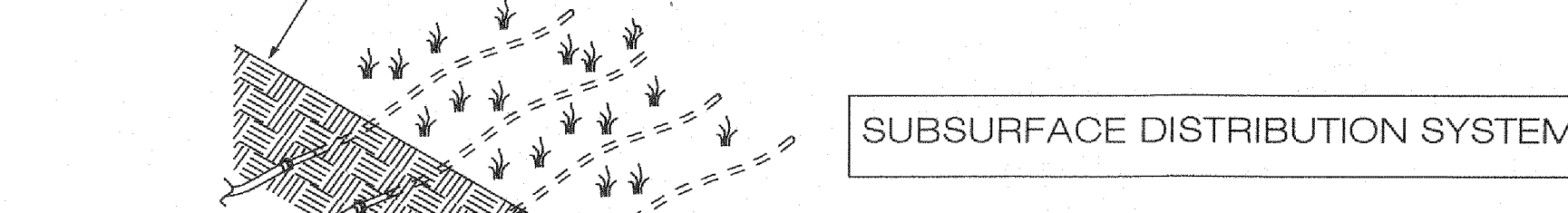
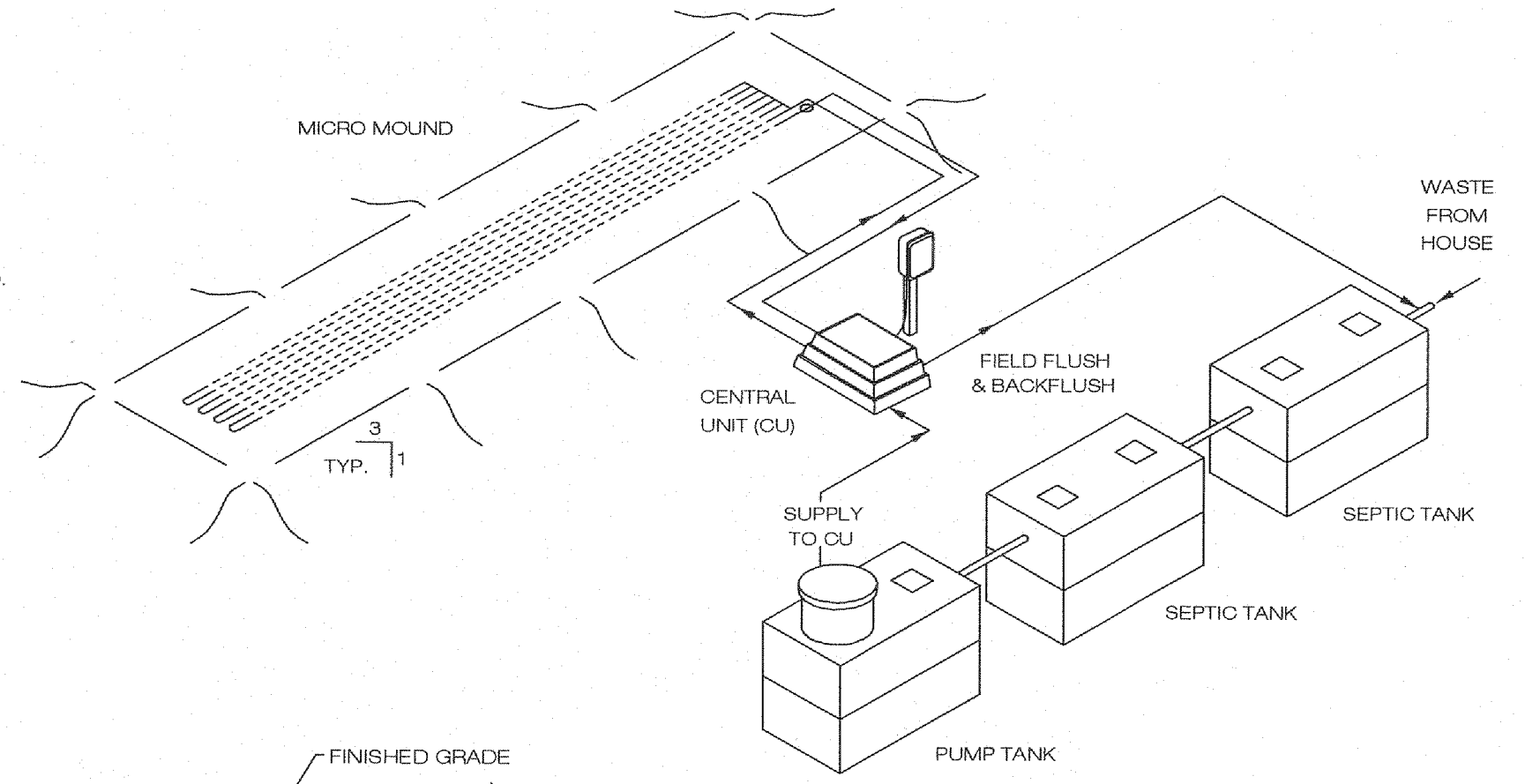


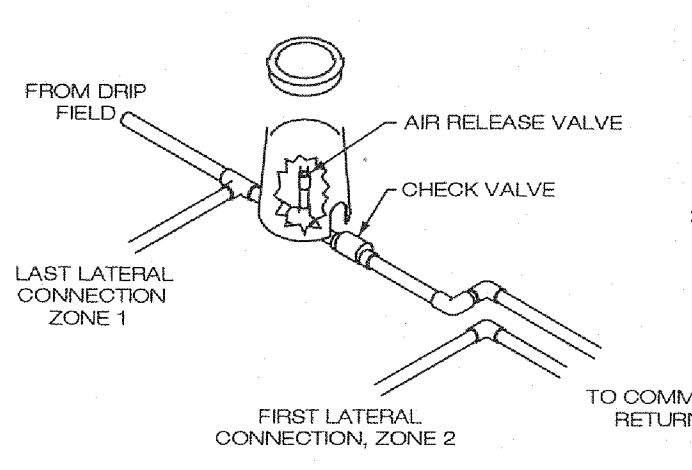
GENERAL NOTES - DRIP DISPOSAL

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. FOR CONSTRUCTION TECHNIQUES REFER TO THE "SEWAGE HANDLING AND DISPOSAL REGULATIONS".
10. IF TREES ARE TO BE REMOVED FROM SITE, CUT STUMPS FLUSH WITH GROUND. REMOVE BY HAND.
11. 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).
12. 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.
13. 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.
14. DRAINFIELD SUPPLY AND RETURN LINES TO BE INSTALLED AT ADEQUATE DEPTH TO PREVENT FREEZING.



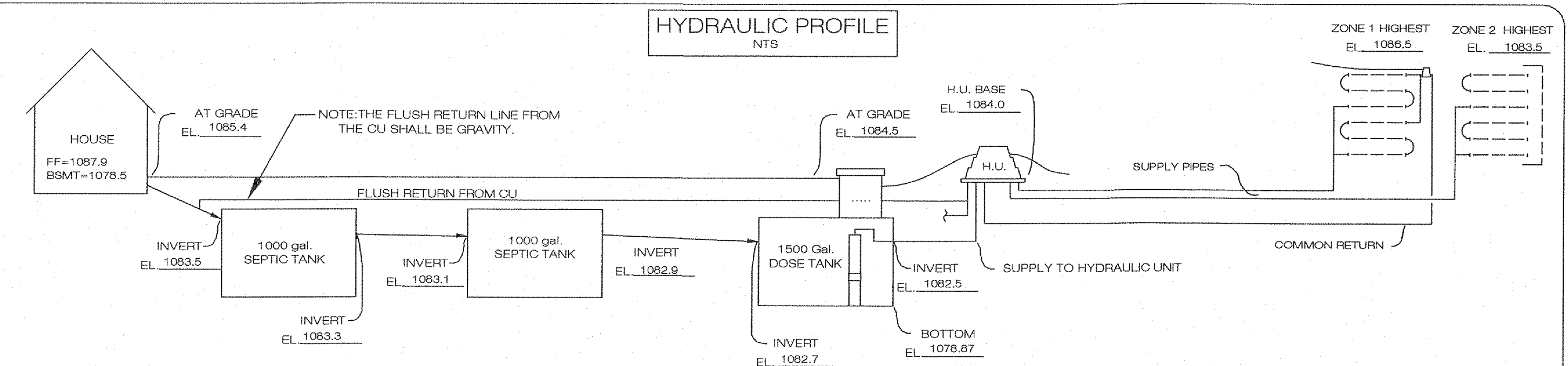
SUBSURFACE DISTRIBUTION SYSTEM

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.

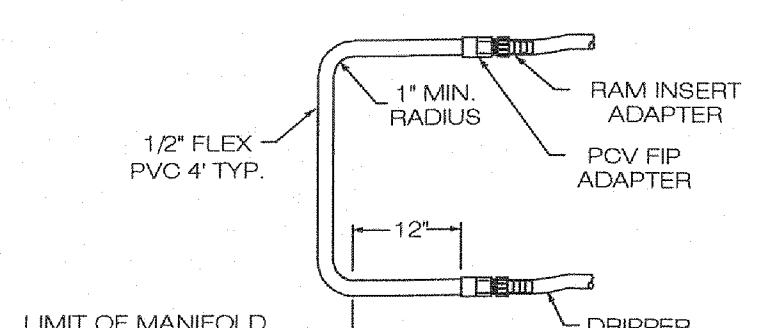


AIR RELEASE & CHECK VALVE DETAIL

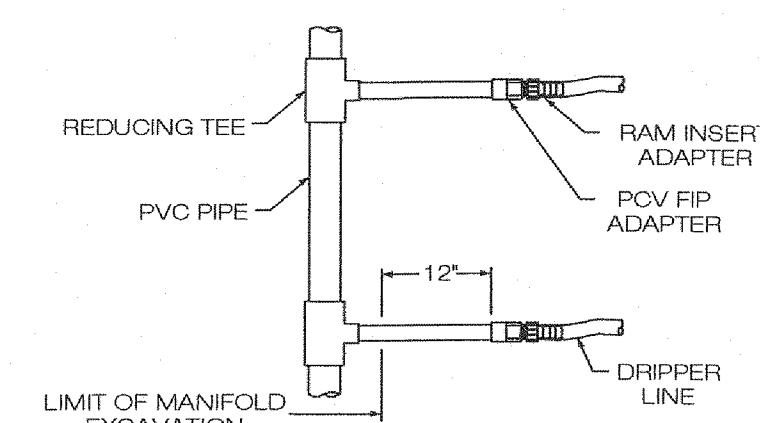
- NOTE:
1. THE AIR RELEASE VALVE SHALL BE PLACED AT THE HIGHEST POINT ON THE RETURN LINE OF EACH ZONE.
 2. EACH ZONE TO HAVE THE SAME VALVE BOX SETUP AND THEREAFTER CONNECTED.



HYDRAULIC PROFILE



TYPICAL DRIP LOOP CONNECTION



TYPICAL MANIFOLD CONNECTION

The diagram shows a cross-section of a septic tank with dimensions A through F. A capacity table is provided below the diagram.

CAPACITY GAL.	A	B	C	D	E	F
2000	5'-0"	4'-2"	1'-4"	3'-7"	3'-11"	1'-7"
2250	5'-0"	4'-7"	0'-11"	4'-0"	4'-4"	1'-2"
2500	5'-4"	5'-0"	1'-4"	4'-5"	4'-9"	1'-7"
3000	7'-4"	5'-11"	1'-5"	5'-4"	5'-8"	1'-8"
3500	6'-4"	6'-9"	1'-7"	6'-2"	6'-6"	1'-10"
4000	9'-4"	7'-5"	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: 9/23/74 REVISED: _____

MACK INDUSTRIES, INC.
VALLEY CITY, OHIO 44280 DRAWING NUMBER: P-5

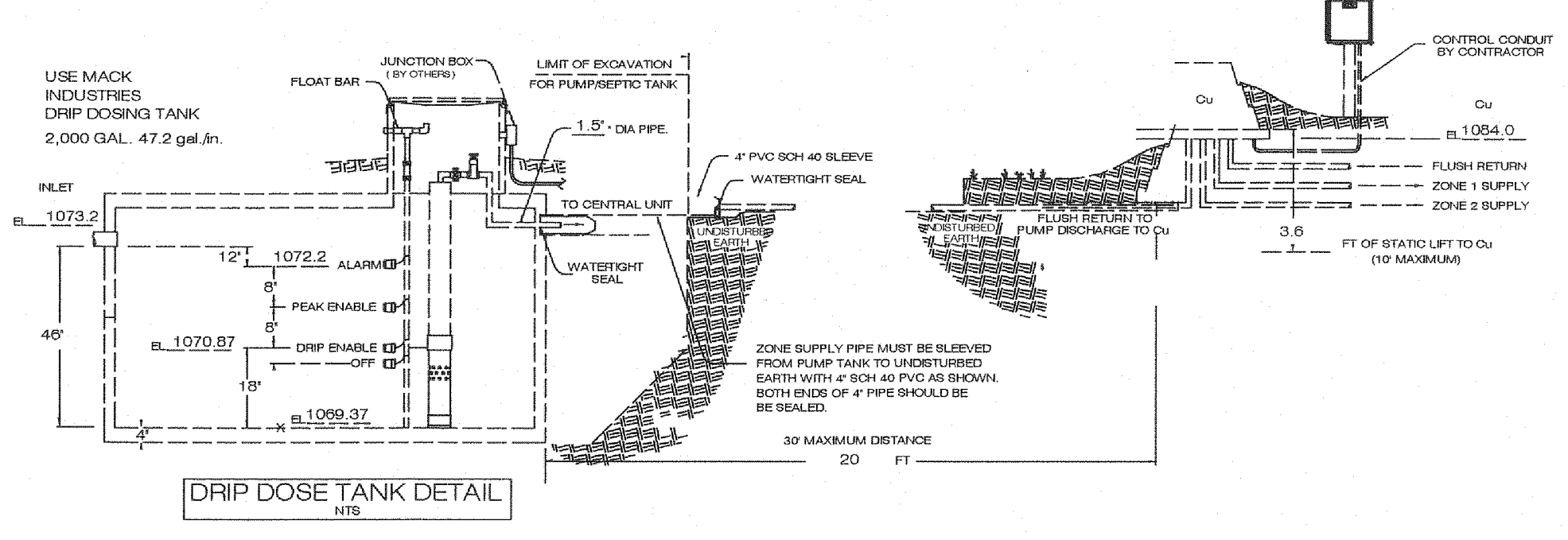
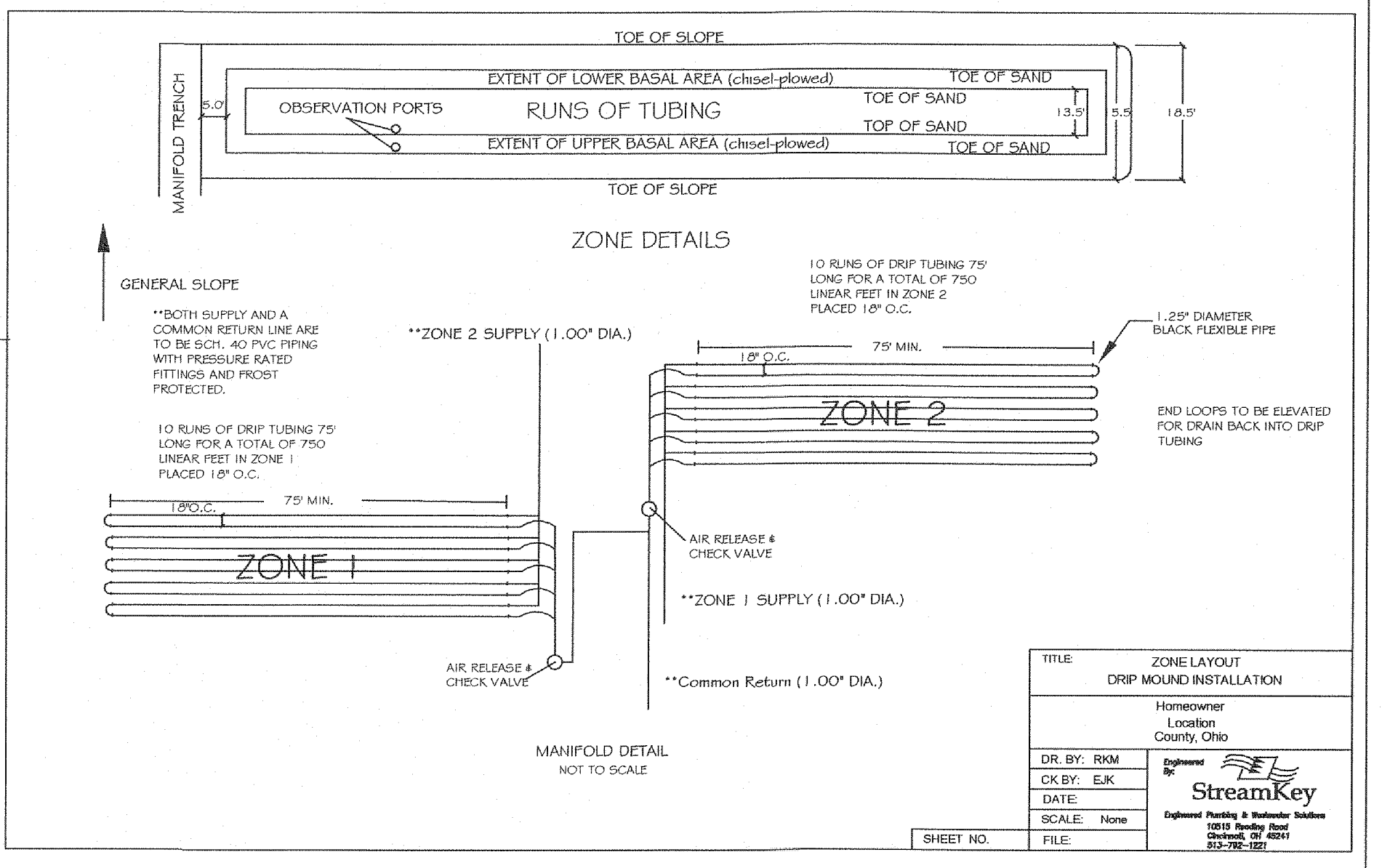
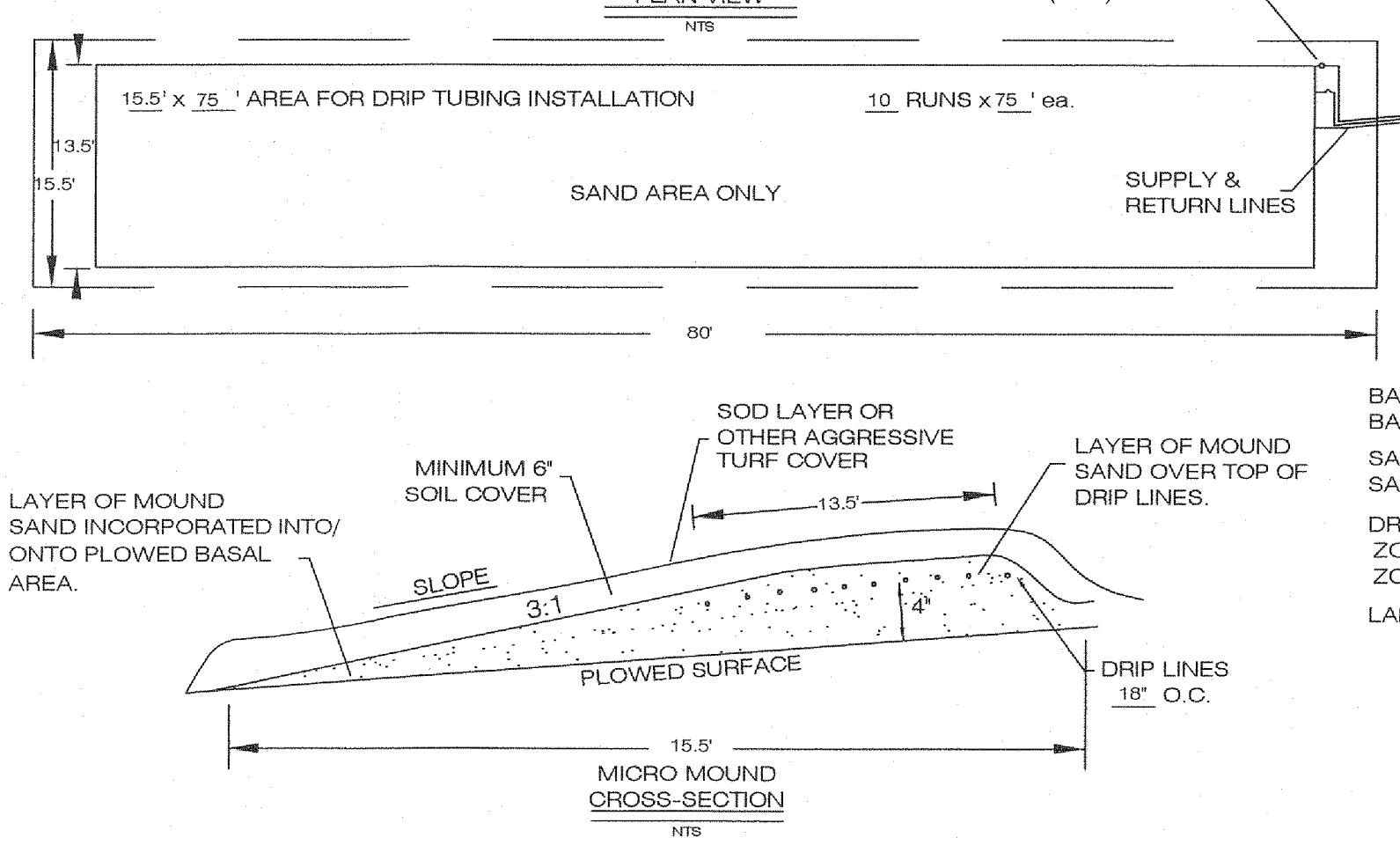
NOTES:
A) 18" DIA. CONC. PLUG WITH HANDLE IS STANDARD EQUIPMENT.
B) 18" DIA. CONC. RISER, 15" OR 24" HIGH WITH CONC. LID IS OPTIONAL AT AN EXTRA CHARGE.
THE CONCRETE RISER ON THE OUTLET END WILL HAVE A MINIMUM 24" INSIDE DIAMETER.

The diagram shows the wiring for the American Onsite Controls system, including terminals for control supply, pump supply, and various sensors. It also includes torque settings for different wire sizes.

TERMINALS:	WIRE SIZE:	TORQUE:
P1:	4-60wg	27 in.-lbs
	8wg	25 in.-lbs
	10-14wg	20 in.-lbs
U1&U2	4-60wg	27 in.-lbs
	8wg	25 in.-lbs
	10-14wg	20 in.-lbs
V1&V2	8-18wg	22 in.-lbs
F2:	8-22wg	18-20 in.-lbs
TB1	1-13	10-22wg
		7-8 in.-lbs

AMERICAN ONSITE CONTROLS
AMERICAN MANUFACTURING COMPANY, INC.
P.O. BOX 97 ELKWOOD, VA 22718
(800) 345-3132 www.americanonsite.com

- NOTES:
1. PLOW ENTIRE 15.5' x 150' 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 15.5' x 150' UPPER SECTION OF DRAINFIELD.
 4. ADD 2" LAYER OF MOUND SAND OVER TOP OF DRIP TUBING IN THE 13.5' x 150' AREA
 5. COVER ENTIRE 18.5' x 160' AREA OF DRAINFIELD WITH A MINIMUM COVER OF 6" OF TOPSOIL WITH A TURTLE-BACK GRADE FOR POSITIVE DRAINAGE.
 6. AN AGGRESSIVE TURF COVER OVER ENTIRE 18.5' x 160' AREA IS RECOMMENDED (PREFERABLY SOD).



DRIP DOSE TANK DETAIL

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Jones Surveying, LLC
ENGINEERS - SURVEYORS - PLANNERS
1924 MENTOR AVE., PAINESVILLE, OHIO
(PH.) 440-357-1811 (FAX) 440-357-9173
(E-MAIL) jhpresssurveying@yahoo.com

Date: 5/20/2015
Scale: Hor. _____
Vert. _____
Filename: 15-035
Tab Name: _____
Computer: GMB

DETAILS
S/L 72 ROCKING HORSE SUBDIVISION
KIRTLAND - LAKE COUNTY - OHIO

Sheet 2 of 2
Contract No. 15-035

StreamKey
1825 North Ridge Road
P.O. Box 100
Painesville, OH 44060
(440) 357-1811