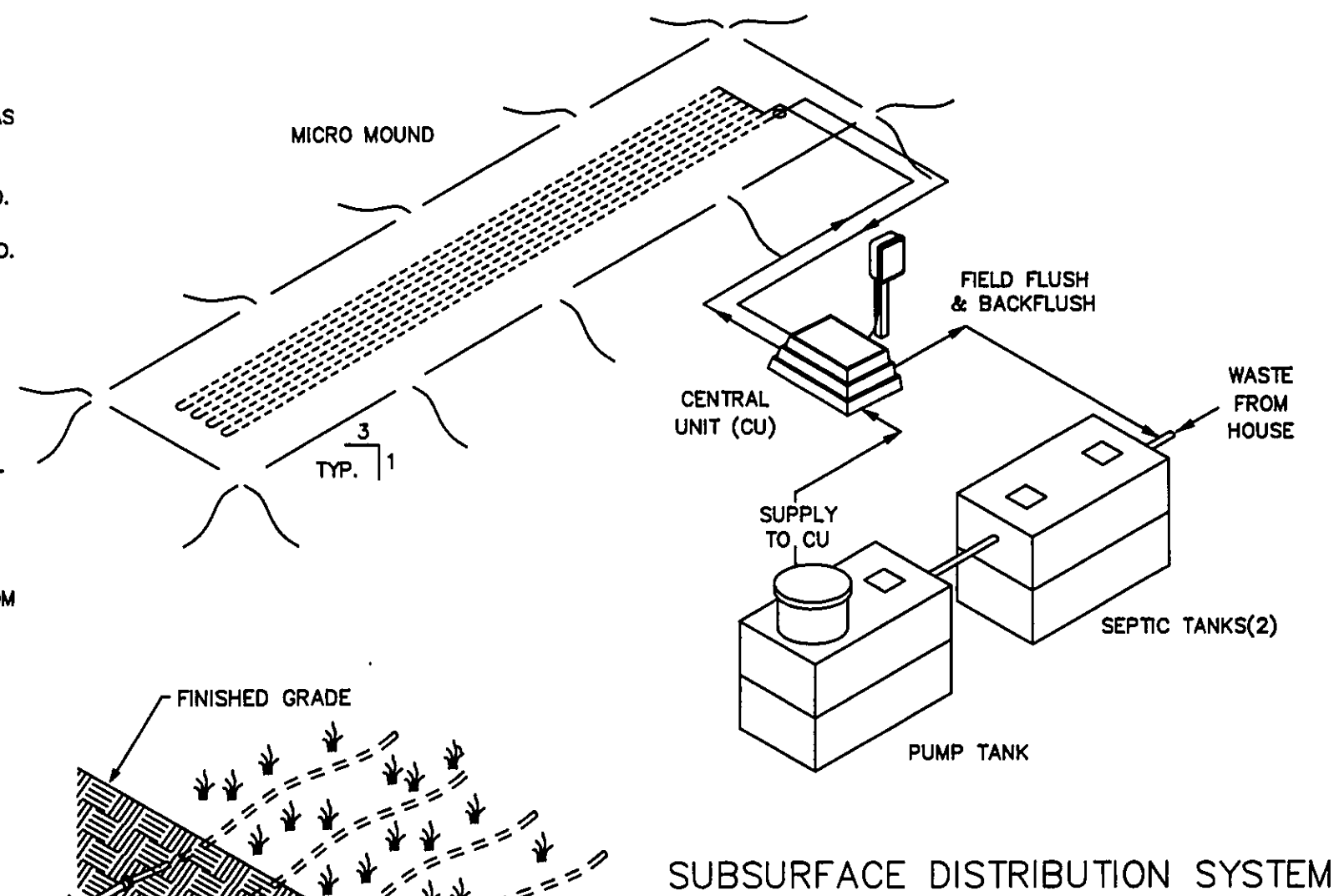


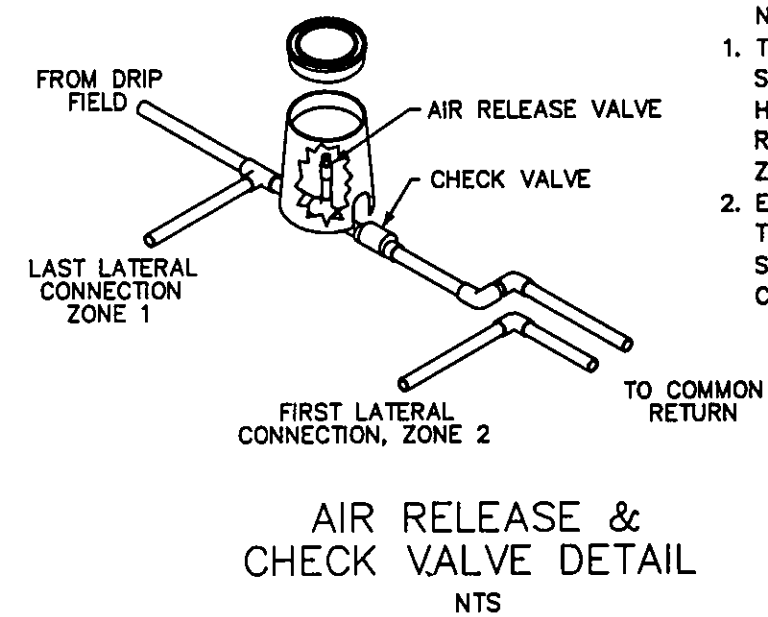
GENERAL NOTES - DRIP DISPOSAL

- 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.
- THE INSTALLATION OF THIS SYSTEM SHALL BE IN ACCORDANCE WITH SPECIFICATIONS AND PROCEDURES AS SUPPLIED BY THE MANUFACTURER OF THE EQUIPMENT.
- 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.
- 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.
- 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.
- NO WET WEATHER INSTALLATION IS PERMITTED.
- 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.
- HORIZONTAL SPACING BETWEEN DRIPPER LINES AND THE INSTALLATION DEPTH SHALL BE AS SPECIFIED.
- 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".
- IF TREES ARE TO BE REMOVED FROM SITE, CUT STUMPS FLUSH WITH GROUND. REMOVE BY HAND.
- 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).
- 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.
- 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.
- DRAINFIELD SUPPLY AND RETURN LINES TO BE INSTALLED AT ADEQUATE DEPTH TO PREVENT FREEZING.



SCOPE: DOMESTIC SEWAGE WILL FLOW BY GRAVITY THROUGH THE SEPTIC TANK THEN INTO A FINAL DOSING TANK. 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.

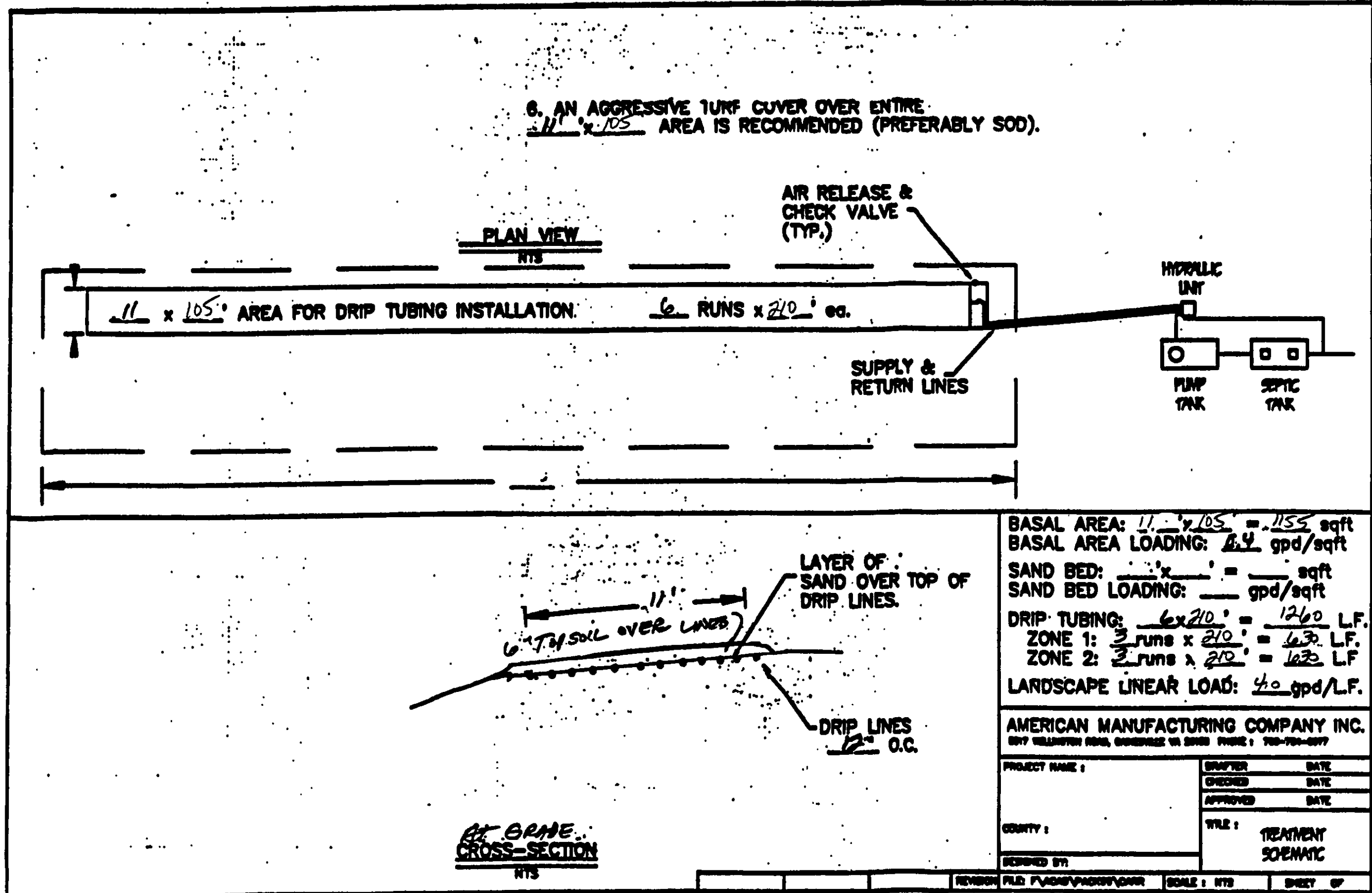


- NOTE:
- THE AIR RELEASE VALVE SHALL BE PLACED AT THE HIGHEST POINT ON THE RETURN LINE OF EACH ZONE.
 - EACH ZONE TO HAVE THE SAME VALVE BOX SETUP AND THEREAFTER CONNECTED.

- SHT 1 COVER SHEET
SHT 2 SITE PLAN
SHT 3 TREATMENT SCHEMATIC (MOUND DETAIL)
SHT 4 HYDRAULIC PROFILE & DRIP DETAIL
SHT 5 PUMP & CONTROL DETAIL
SHT 6 CALCULATION SHEET
SHT 7 PUMP CURVE

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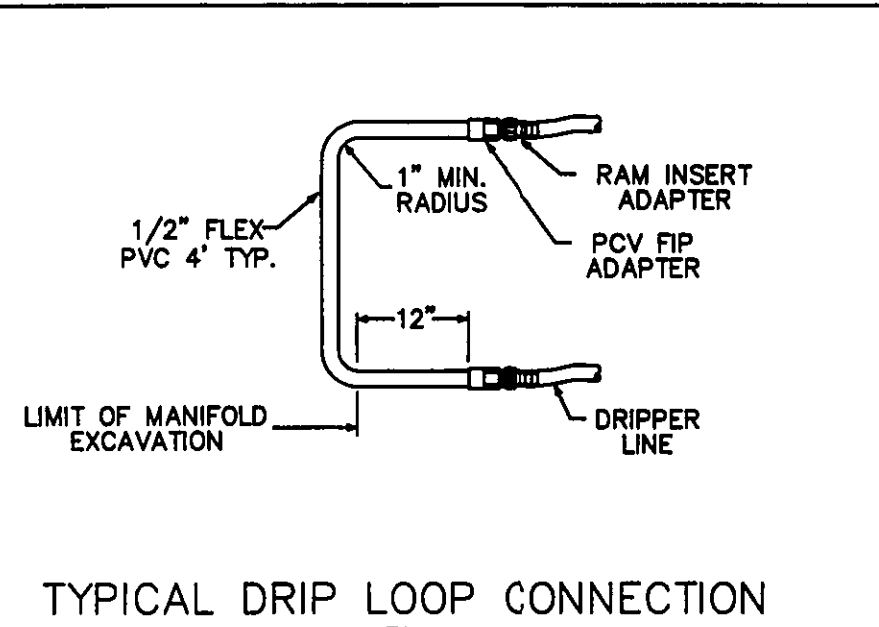
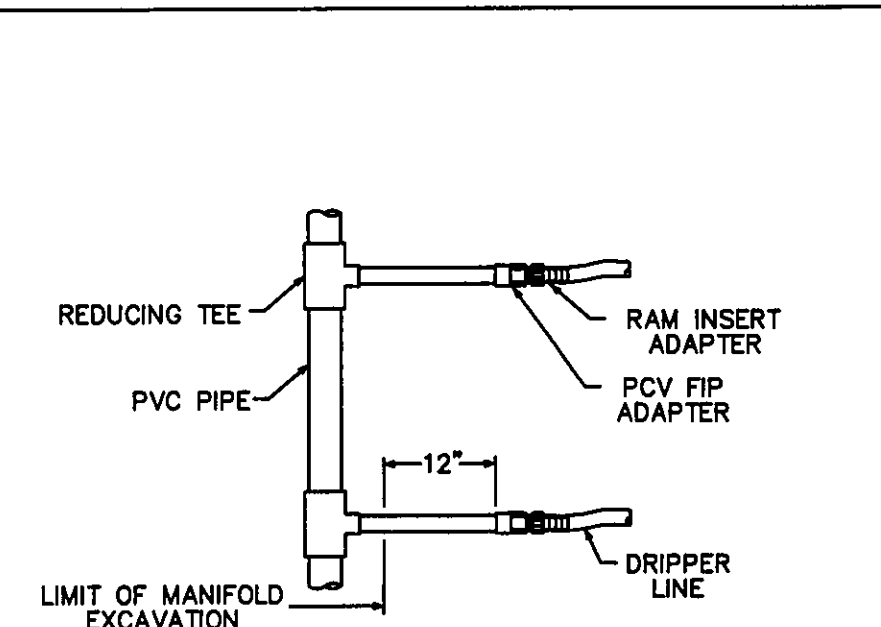
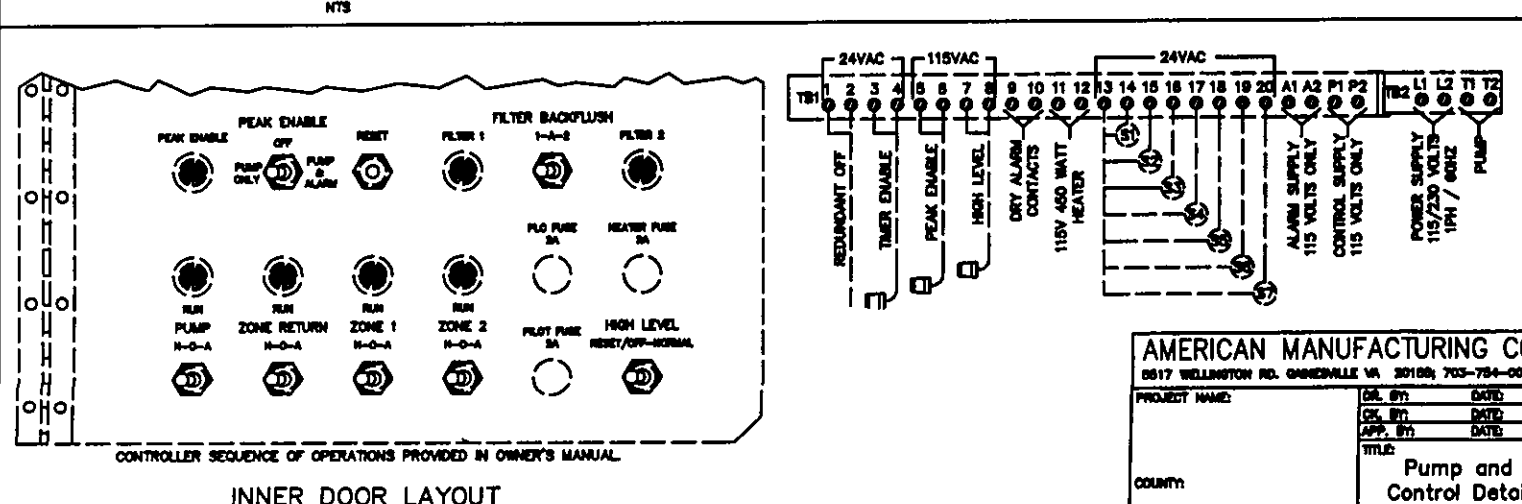
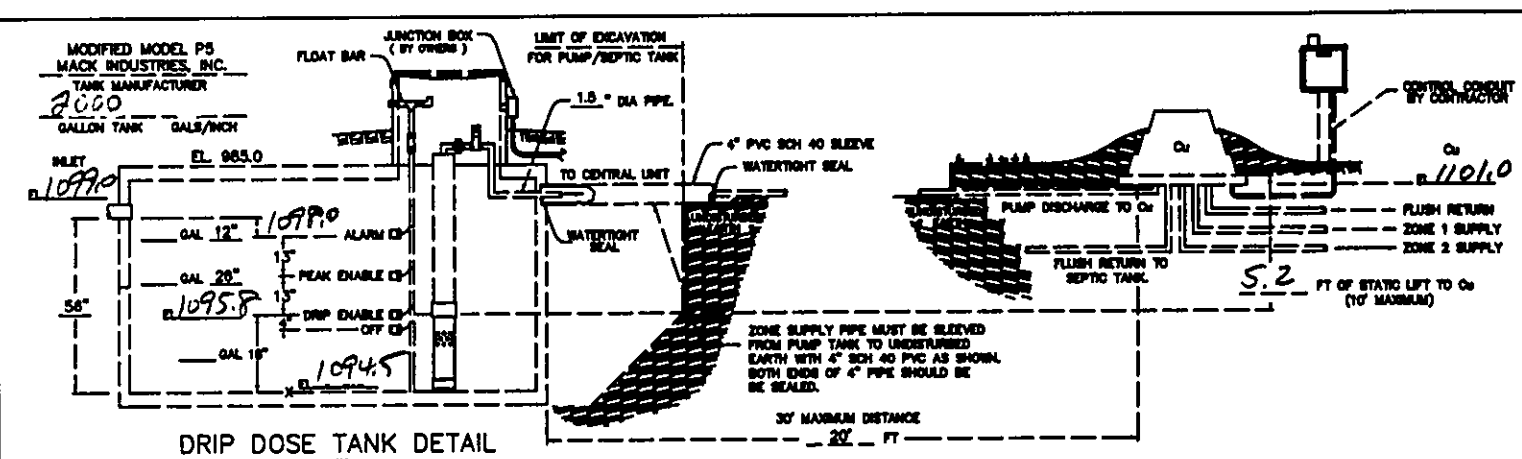
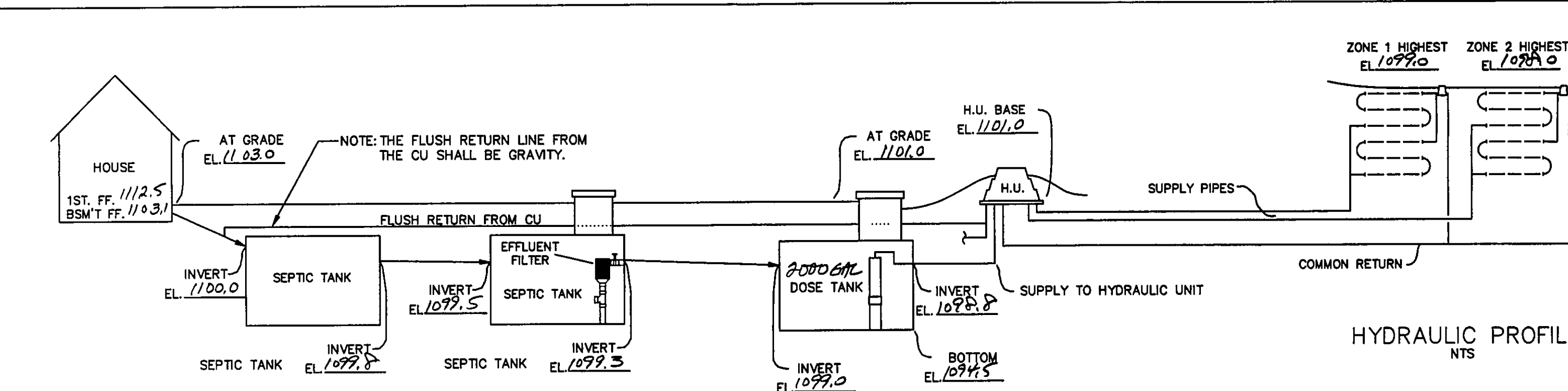
PROJECT NAME: _____ DR. BY: _____ DATE: _____
CK. BY: _____ DATE: _____
APP. BY: _____ DATE: _____
TITLE: _____
COUNTY: _____ COVER SHEET



BASAL AREA: $11' \times 105' = 1155 \text{ sqft}$
BASAL AREA LOADING: 4.4 gpd/sqft
SAND BED: _____ sqft
SAND BED LOADING: _____ gpd/sqft
DRIP TUBING: $6 \text{ runs} \times 210' = 1260 \text{ L.F.}$
ZONE 1: $3 \text{ runs} \times 210' = 630 \text{ L.F.}$
ZONE 2: $3 \text{ runs} \times 210' = 630 \text{ L.F.}$
LANDSCAPE LINEAR LOAD: 4.0 gpd/L.F.

AMERICAN MANUFACTURING COMPANY INC.
5517 WELLINGTON RD. GAINESVILLE VA 20155 PHONE: 703-754-0077

PROJECT NAME: _____ COUNTY: _____
DATE: _____ TITLE: TREATMENT SCHEMATIC
APPROVED BY: _____
REVISION: _____ SCALE: 1"=10' SHEET 1 OF 2



AMERICAN MANUFACTURING CO.
5517 WELLINGTON RD. GAINESVILLE VA 20155; 703-754-0077

PROJECT NAME: _____ DR. BY: _____ DATE: _____
CK. BY: _____ DATE: _____
APP. BY: _____ DATE: _____
TITLE: Hydraulic Profile & Drip Detail
COUNTY: _____

2,000-5,000 GALLON SEPTIC TANKS

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

SECTION AA: 4" INLET, 4" OUTLET, 4" P.V.C. TEE INLET, 4" P.V.C. TEE OUTLET, SEE NOTE #1, 12'-8" width.

SECTION BB: 7'-0" width.

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.

AMERICAN MANUFACTURING CO.
5517 WELLINGTON RD. GAINESVILLE VA 20155; 703-754-0077

PROJECT NAME: _____ DR. BY: _____ DATE: _____
CK. BY: _____ DATE: _____
APP. BY: _____ DATE: _____
TITLE: Hydraulic Profile & Drip Detail
COUNTY: _____

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

REV. NO.	DESCRIPTION	DATE	BY	CHK'D
1	Revised per L.C. Health Dept	6/9/16	HT	HT



BABCOCK, JONES AND ASSOCIATES, INC
CIVIL ENGINEERS - SURVEYORS - LAND PLANNERS
PAINESVILLE OHIO 44077

DATE	1/26/06
DESIGN BY	H.J.
DRAWN BY	B.P.
APPROVED BY	H.J.
CREW CHIEF	E.H.

CITY OF KIRTLAND	SPERRY ROAD (P.P.# 20A-19A-9)	LAKE COUNTY	STATE OF OHIO
SITE PLAN FOR VAL HOMES			
SCALE 1"=30'			
JOB NO 05-252			
SHEET 2 OF 2			