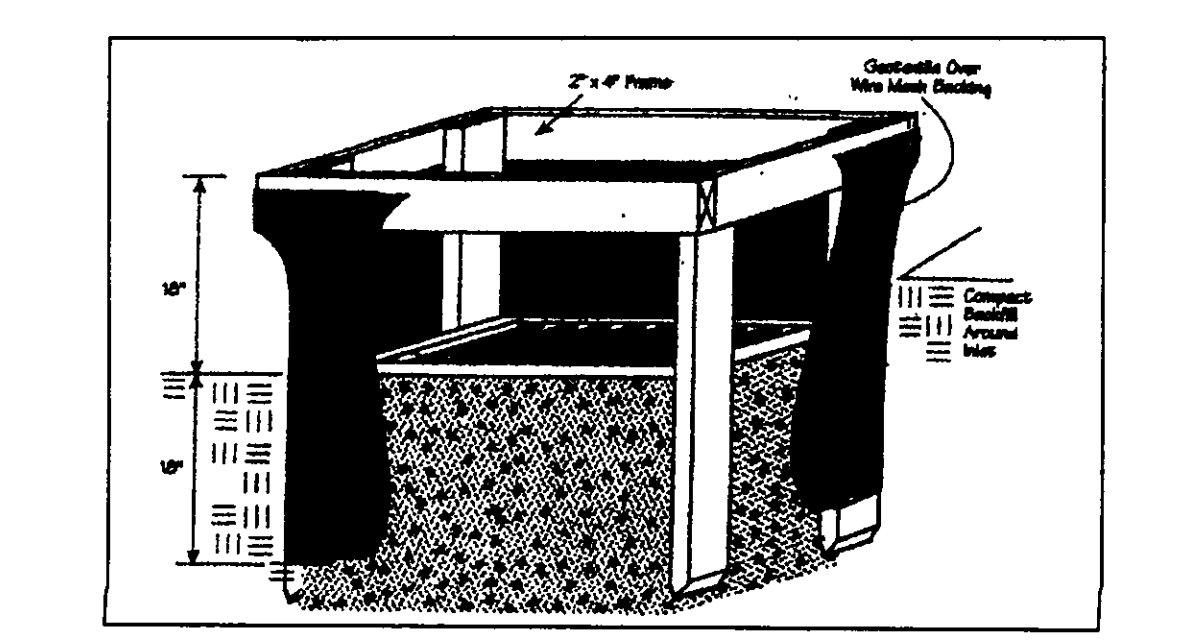
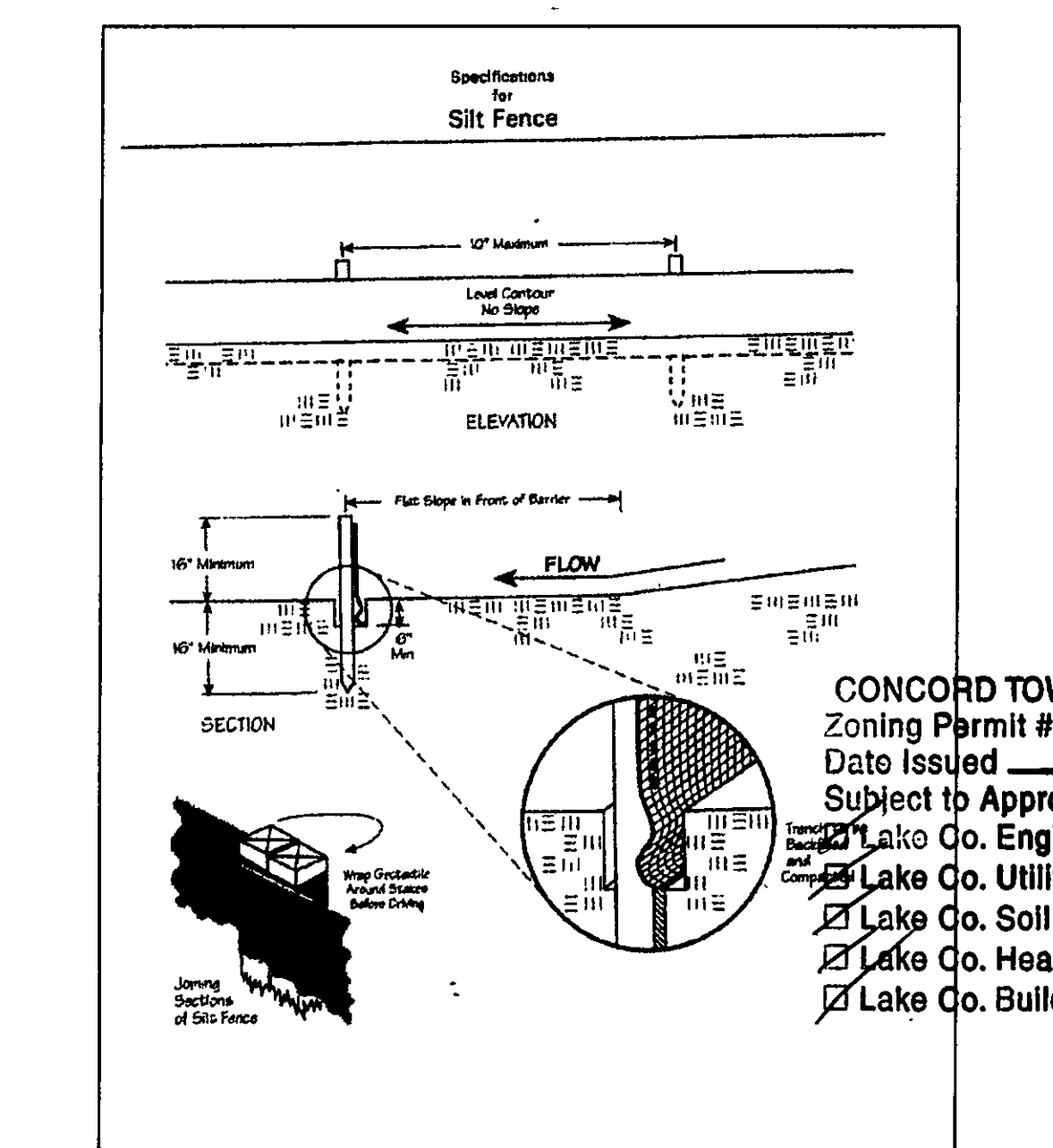


Temporary Seeding Species Selection			
Seeding Dates	Species	Lb./1,000 ft. <sup>2</sup>	Per Ac.
March 1 to August 15	Oats	3	4 bushel
	Tall Fescue	1	40 lb.
	Annual Ryegrass	1	40 lb.
	Perennial Ryegrass	1	40 lb.
	Tall Fescue	1	40 lb.
August 15 to November 1	Rye	3	2 bushel
	Tall Fescue	1	40 lb.
	Annual Ryegrass	1	40 lb.
	Wheat	3	2 bushel
	Tall Fescue	1	40 lb.
November 1 to Spring Seeding	Annual Ryegrass	1	40 lb.
	Perennial Ryegrass	1	40 lb.
	Tall Fescue	1	40 lb.
	Annual Ryegrass	1	40 lb.
	Annual Ryegrass	1	40 lb.



DENISE DE CROW  
#970033790  
8A-10-55

CONCORD TOWNSHIP ZONING OFFICE  
Zoning Permit # 0526-17222  
Date Issued 5/17/06  
Subject to Approval By:  
Lake Co. Engineer/Storm Water Mgmt.  
Lake Co. Utilities Dept.  
Lake Co. Soil + Water District  
Lake Co. Health District  
Lake Co. Building Dept.

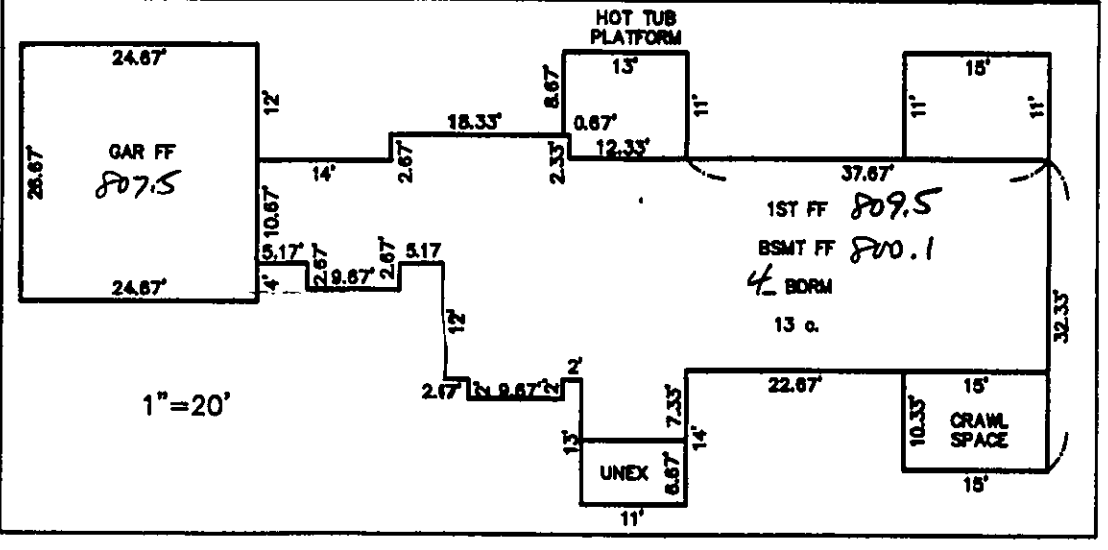
8A-10A-07  
DARRIN PRICE & MELANIE INGRAM  
VOL. 1195 - PG. 733

JOSHUA & MELISA ROSENHECK  
No. 2004R005873  
9.20056 Ac.

JULIE M. LOXTERMAN  
VOL. 1149 - PG. 682  
8A-11-39

CONLEY ROAD - 60'

DRIP DISTRIBUTION PLAN SUBMITTAL REVIEW



I CERTIFY THIS SEWAGE SYSTEM DESIGN MEETS THE MINIMUM REQUIREMENTS ESTABLISHED BY THE LCGHD IN THE HSTS GUIDANCE MANUAL AND THE REQUIREMENTS AND RECOMMENDATIONS OF THE SYSTEM MANUFACTURER.

Harry Jones 6343  
Name Reg. No.

LIR = 3.0  
4/7  
3.0 = 139 LE

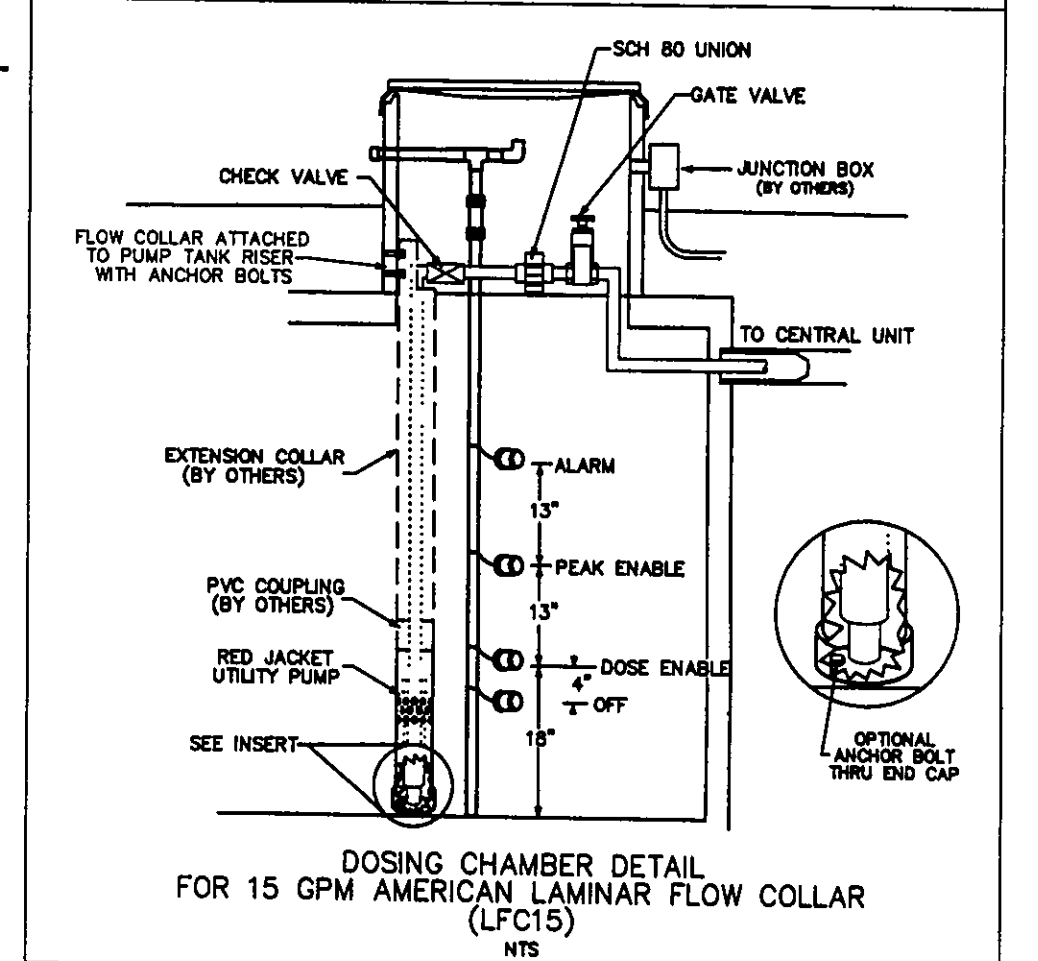
**babcock, jones and associates, inc**  
CIVIL ENGINEERS - SURVEYORS - LAND PLANNERS  
PAINESVILLE OHIO 44077

DATE 10/5/04  
DESIGN BY HJ  
DRAWN BY BC  
APPROVED BY HJ

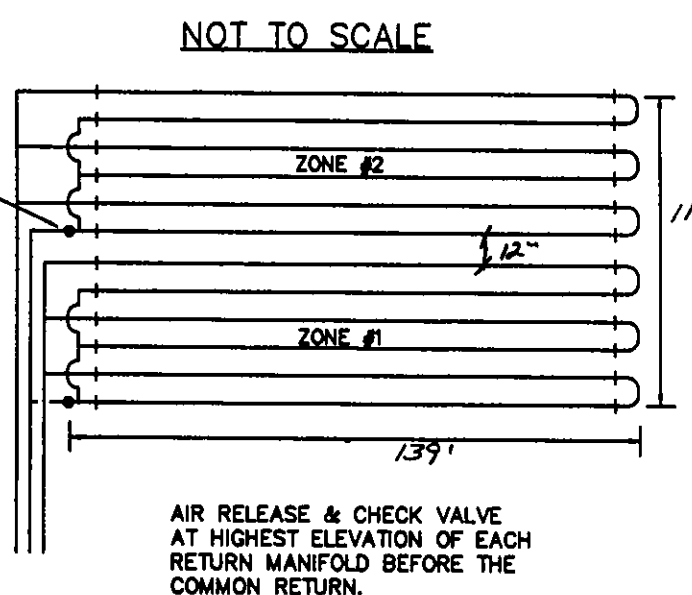
**SITE PLAN**  
FOR  
JOSH ROSENHECK  
CONLEY ROAD PARCEL NO. 8A-10-46-69  
CONCORD TOWNSHIP LAKE COUNTY STATE OF OHIO

SCALE 1"=50'  
JOB NO 03-314  
SHEET 1 OF 2

**AERMOTOR MODEL: TEP20-50-115**  
1.25" DISCHARGE 1/16" MAX. SOLIDS HANDLING  
0.5 HORSEPOWER 1 PHASE  
115 VOLT 60 HZ  
12.0 AMPS MULTI-STAGE CENTRIFUGAL



**Erosion and Sediment Control Schedule**  
**Ingress-Egress**  
A stone access drive complete with under lying geo-textile fabric (20 feet wide and 50 feet long) for ingress and egress at the site shall be installed. This drive shall be the only entrance and exit to the site.  
**Silt Fence**  
A silt fence shall be installed prior to any earthwork activities at the site in the locations shown on the site plan as well as along the front of any lot that slopes towards the street.  
**Temporary Seeding**  
Disturbed areas of the site that are to remain idle for more than twenty-one(21) days shall be properly seeded and straw mulched within seven(7) days of completion of initial grading.  
Temporary seeding and mulching as a thirty(30) foot strip of the entire front of the lot shall be maintained on the site once initial grading is complete.  
**Stabilization of critical areas** within fifty(50) feet of any stream or wetland shall be complete within two(2) days of the disturbance if the site is to remain inactive for longer than fourteen(14) days.  
**Mulching**  
Straw-mulch shall be applied at a rate of 1 bale per every ten (10) feet of curb, at a width of thirty(30) feet to the entire length of the lot. Wood chips may also be used but must be spread at a minimum depth of four inches over the thirty-foot width and must be accompanied by a properly installed silt fence.  
**Maintenance**  
Erosion and sediment controls shall be inspected every seven(7) days or within 24 hours of a 0.5" or greater rainfall event. Necessary repairs shall be made at this time.



EACH LATERAL WILL FEED FROM THE LOWER RUN IN THE LATERAL AND RETURN FROM THE HIGHER RUN IN THE LATERAL.

TBM MONUMENT  
ELEV=810.85

**Stormwater Management**  
Approved as shown and/or  
JAMES H. GILLS, P.E.  
County Drainage Engineer  
By A.S. Date 6/1/06  
INSTALL LEVEL SPEEDER  
PER SPECIFICATION



EXISTING UTILITIES NOTE:  
THE SIZE AND LOCATION, BOTH HORIZONTAL AND VERTICAL OF THE UNDERGROUND UTILITIES SHOWN HEREON HAVE BEEN OBTAINED BY A SEARCH OF AVAILABLE RECORDS.  
VERIFICATION BY FIELD OBSERVATION HAS BEEN CONDUCTED WHERE PRACTICAL, HOWEVER, BABCOCK, JONES AND ASSOCIATES, INC. DOES NOT GUARANTEE THE COMPLETENESS NOR ACCURACY THEREOF.

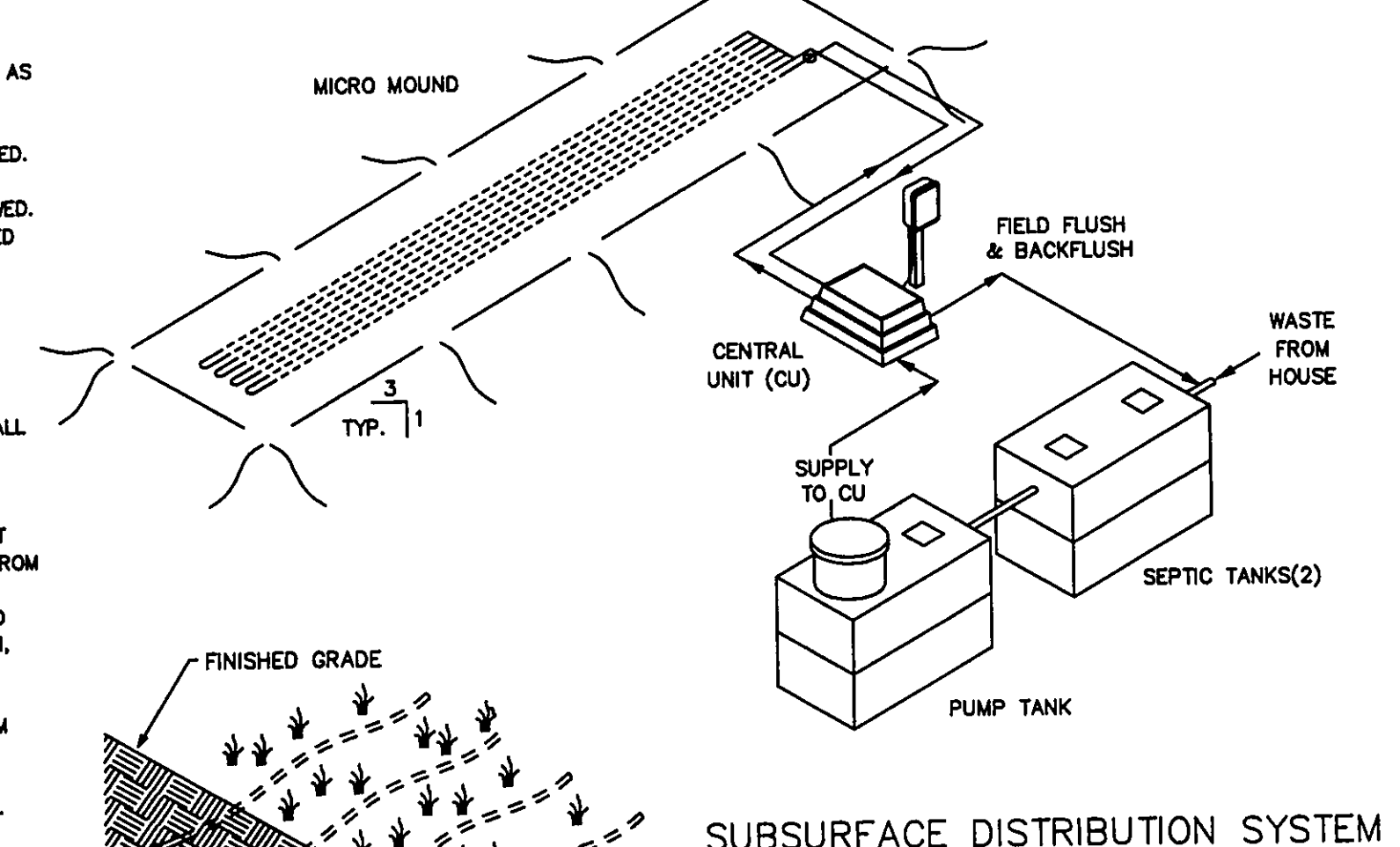
REV NO.	DESCRIPTION	DATE	BY	CHK'D
1	REVISED SITE PLAN	11/1/04	B.P.	H.J.
2	NEW FOUNDATION PLAN & DRIP SYSTEM	6/5/05	B.P.	H.J.
3	REVISED DRIP SYS LENGTH TO 139	4/24/06	H.J.	H.J.
4	REVISED DWG TO 1"=50' PER L.C.H.D.	4/28/06	B.P.	H.J.

Drip distribution area has been field verified and protected with marking tape  
Plans submitted to LCGHD and meet design criteria  
Hydraulic calculations verified and accurate

Date 5/10/6  
Name DJL  
Date 5/10/6  
Name DJL  
Date 5/10/6  
Name DJL

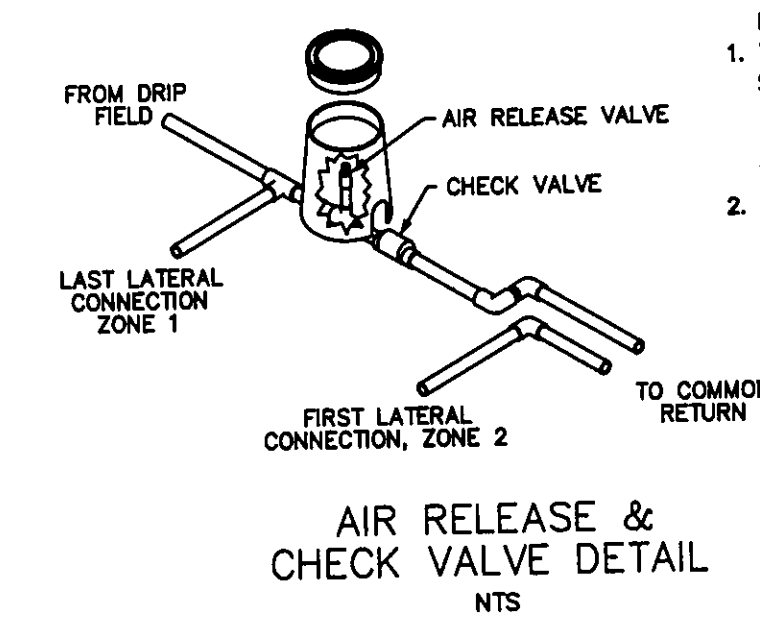
GENERAL NOTES - DRIP DISPOSAL

- 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

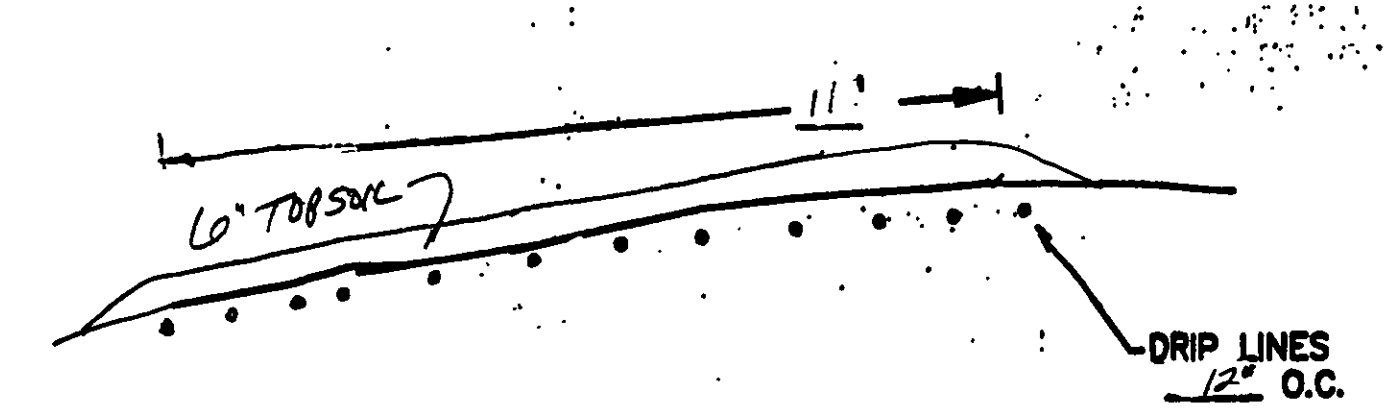
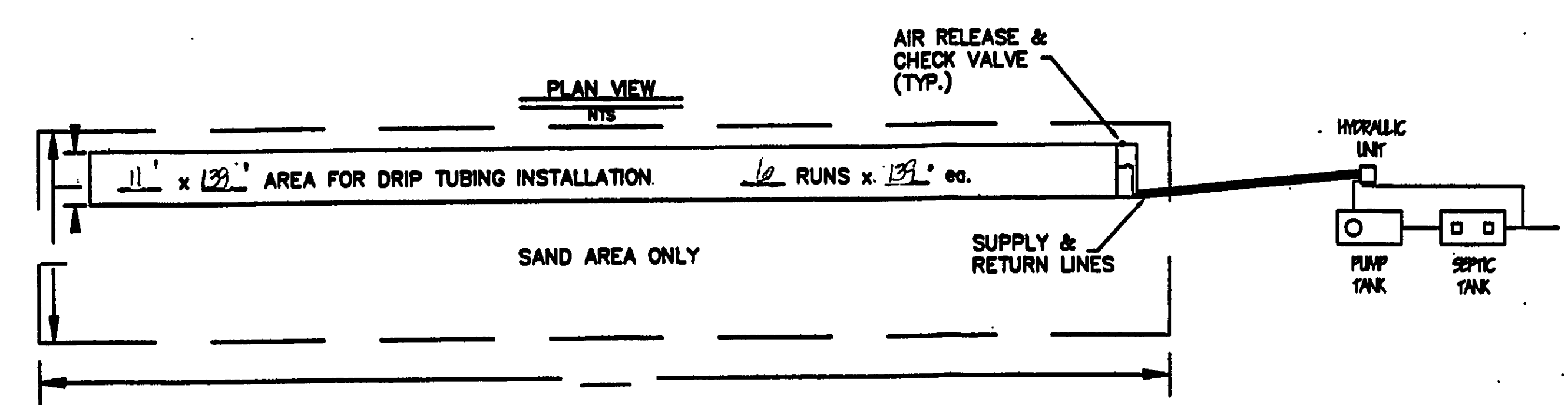
AMERICAN MANUFACTURING CO.  
5517 WELLINGTON RD. GAINESVILLE VA 20155; 703-754-0077

PROJECT NAME: \_\_\_\_\_  
COUNTY: \_\_\_\_\_

DR. BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
CK. BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
APP. BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
TITLE: \_\_\_\_\_

COVER SHEET

6. AN AGGRESSIVE TURF COVER OVER ENTIRE 11' x 139' AREA IS RECOMMENDED (PREFERABLY SOD).



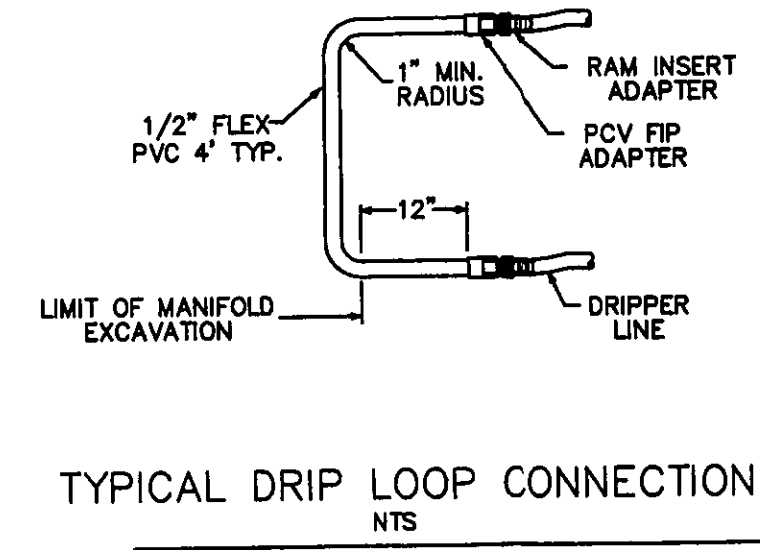
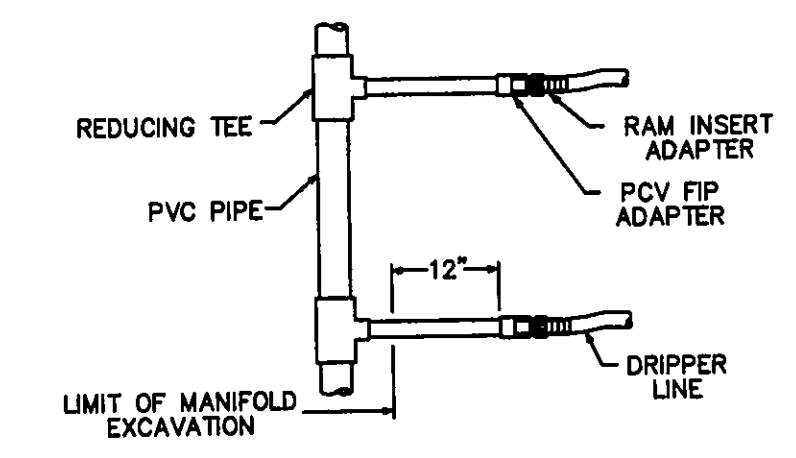
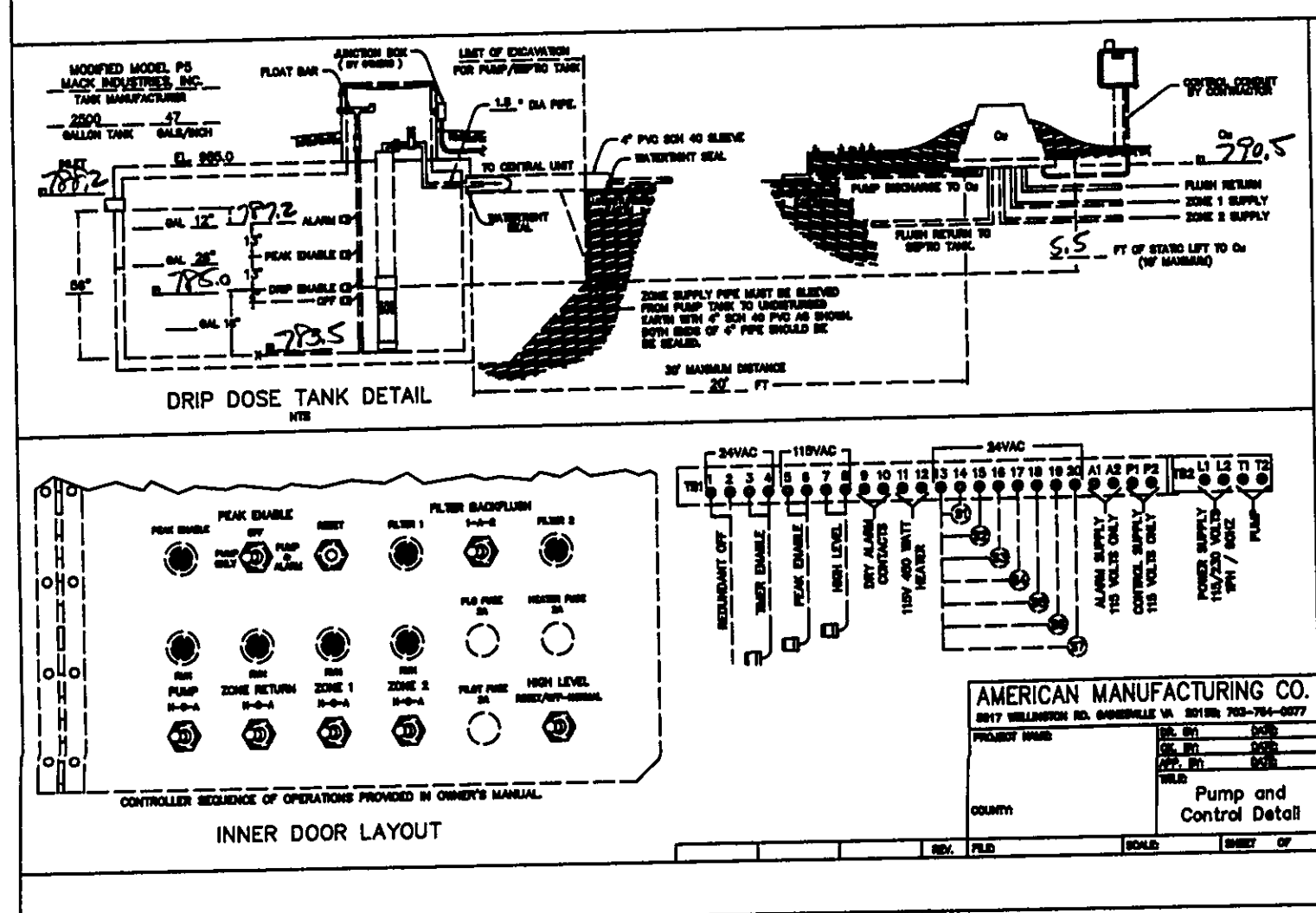
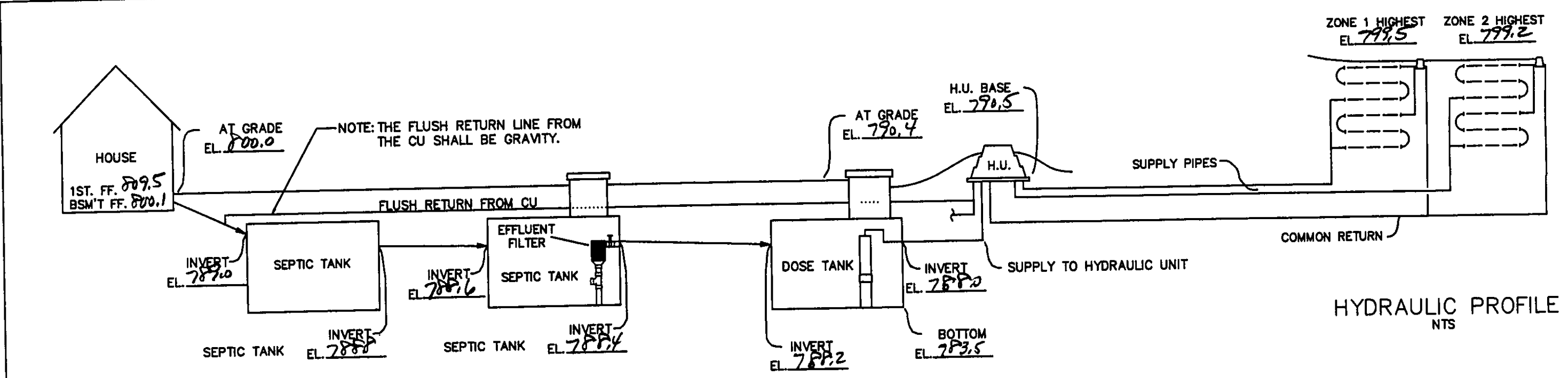
BASAL AREA: 11' x 139' = 1529 sqft  
BASAL AREA LOADING: 1.6 gpd/sqft  
SAND BED: 12' x 139' = 1668 sqft  
SAND BED LOADING: 0.44 gpd/sqft  
DRIPLINE: 12' x 139' = 1668 L.F.  
ZONE 1: 16 runs x 139' = 2224 L.F.  
ZONE 2: 16 runs x 139' = 2224 L.F.  
LANDSCAPE LINEAR LOAD: 320 gpd/LF

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

PROJECT NAME: \_\_\_\_\_  
COUNTY: \_\_\_\_\_

DESIGNED BY: \_\_\_\_\_  
FILE: PLACED/PACED/CARR SCALE: NTS SHEET OF

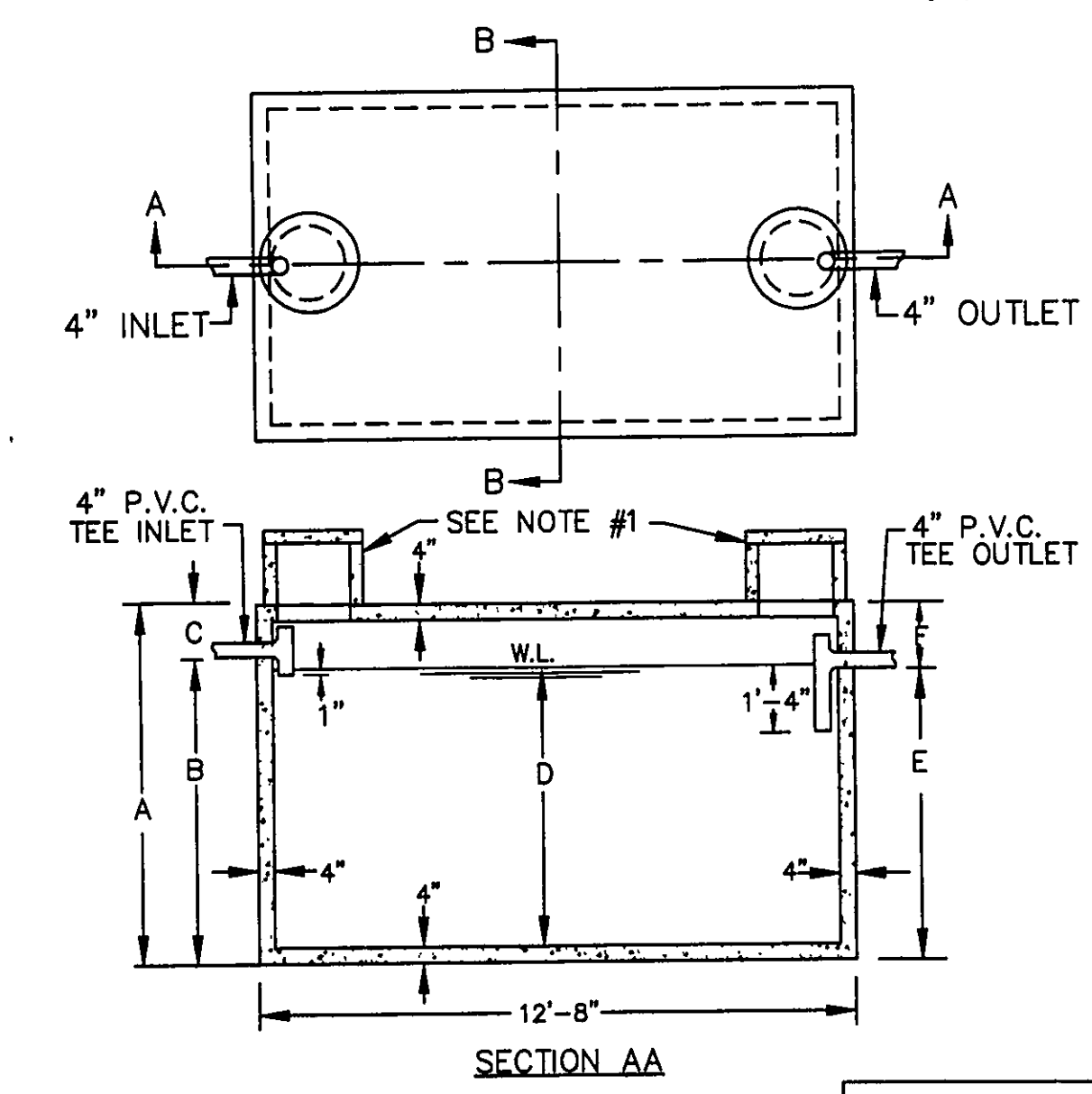
DRAWN BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_  
APPROVED BY: \_\_\_\_\_  
TITLE: TREATMENT SCHEMATIC



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

PROJECT NAME: \_\_\_\_\_  
COUNTY: \_\_\_\_\_

DR. BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
CK. BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
APP. BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
TITLE: Hydraulic Profile & Drip Detail



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"

- 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.

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

REV. NO.	DESCRIPTION	DATE	BY	CHK'D
1	REVISED SITE PLAN	11/1/04	B.P.	H.J.
2	NEW FOUNDATION PLAN & DRIP SYSTEM	6/5/05	B.P.	H.J.
3	Revised Per L.C. H. Rosenheck	5/4/06	HJ	HJ

**babcock, jones and associates, inc**  
CIVIL ENGINEERS - SURVEYORS - LAND PLANNERS  
PAINESVILLE OHIO 44077

DATE	10/5/04
DESIGN BY	HJ
DRAWN BY	BC
APPROVED BY	HJ

SITE PLAN FOR  
**JOSH ROSENHECK**  
CONLEY ROAD PARCEL NO. 8A-10-46 69  
CONCORD TOWNSHIP LAKE COUNTY STATE OF OHIO

SCALE	NONE
JOB NO	03-314
SHEET	2 OF 2