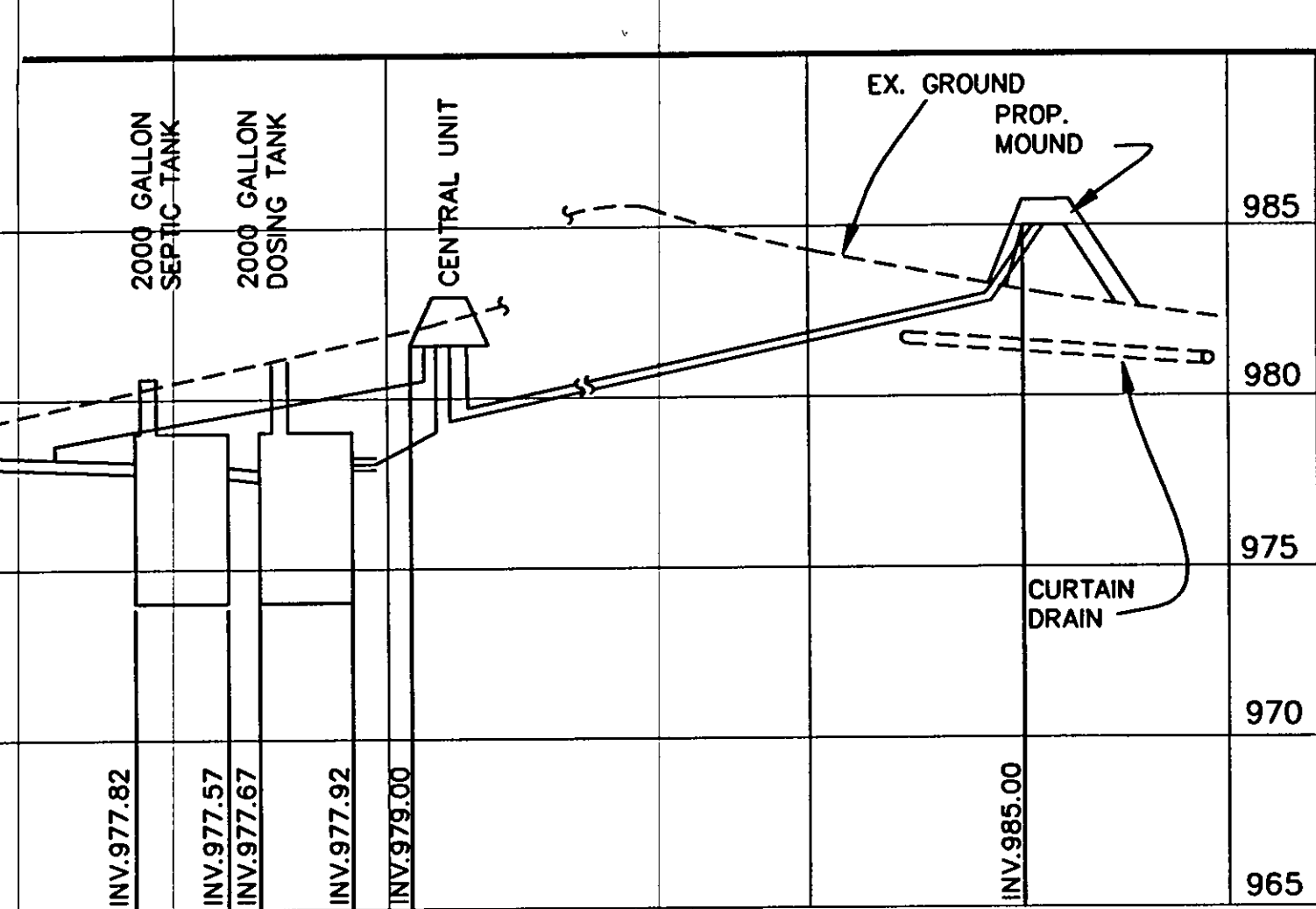




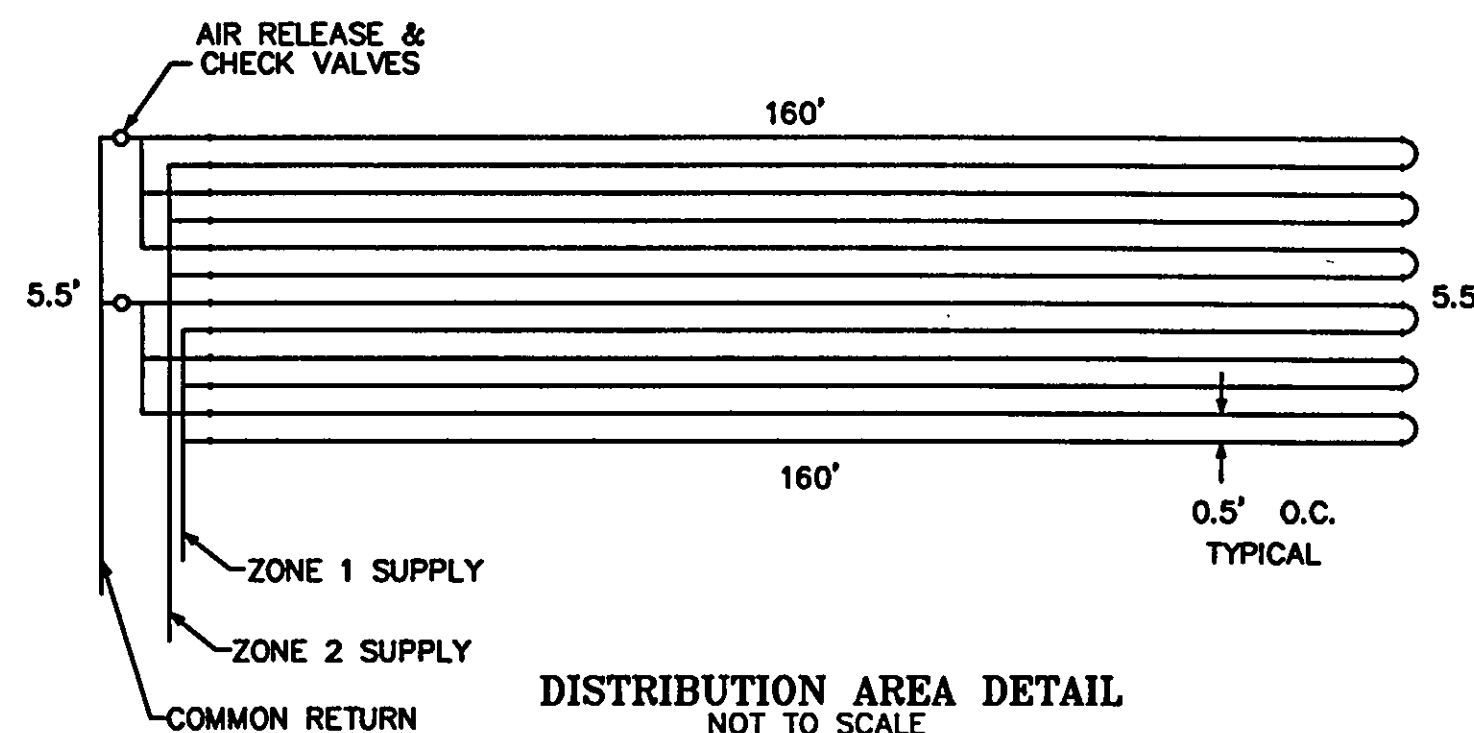
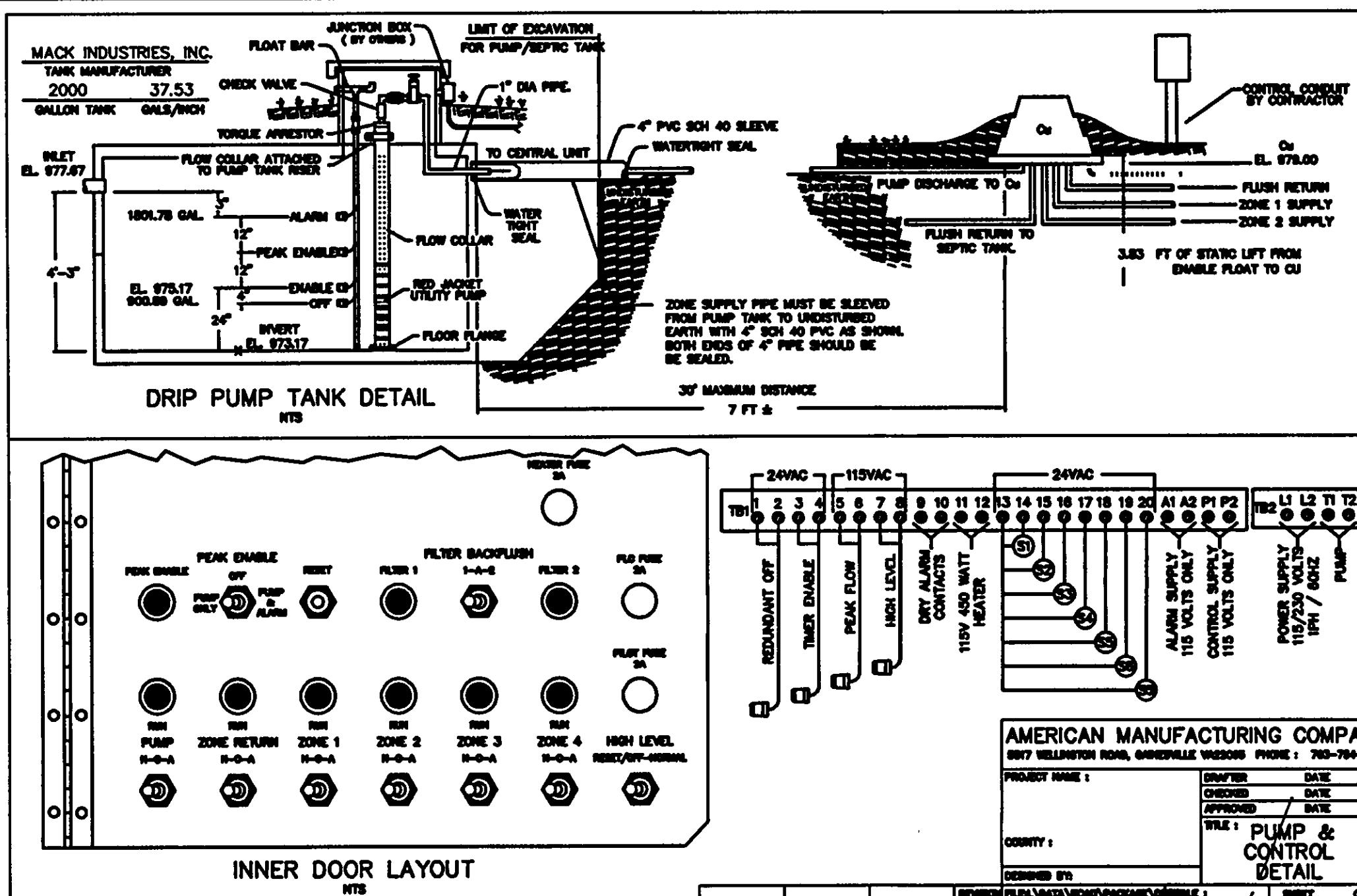
HYDRAULIC PROFILE
SCALE: H:1"=20', V:1"=5'

SB = STRAW BALE

SF = SILT FENCE

NOTE: SEEDING OR MULCHING SHALL BE COMPLETED WITHIN 30 DAYS OF COMPLETION OF HOUSE.

LIMIT OF DISTURBANCE: ALL OF LOT.



DISTRIBUTION AREA DETAIL

NOT TO SCALE

CONCORD TOWNSHIP ZONING OFFICE

ZONING PERMIT # 0501-10131

ISSUED 5-14-2001

SUBJECT TO APPROVAL BY:

- Lake Co. Sanitary Engineer
- Lake Co. Eng. Dept.
- Lake Co. Planning Comm.
- Lake Co. Building Dept.
- Lake Co. Soil & Water Cons. Dist.

SITE PL
MB HOMES
859 SEASONS ROAD
ADDRESS STREET
17 7602 KEYSTONE I
SUBLOT No. WOODCREST SUB
CONCORD
TOWNSHIP
GUTOSKEY & ASS
Civil Engineers and
10205 Queens Way, Unit 6
Chagrin Falls, Ohio 44023

CHECK LIST
LOT DIMENSIONS & BEARINGS
TIE TO NEAREST STREET
SUBLOT No. (PARCEL No.)
SURROUNDING OWNERS
BUILDING DIMENSIONS
SETBACK, SIDEYARD, REARYARD
FINISHED GRADES
DRIVE & APRON TYPE, WIDTH, THICKNESS
SIDEWALK TYPE, WIDTH, THICKNESS
CULVERT TYPE, DIAM., LENGTH
WATER MAIN SIZE, LOCATION
SAN. SEWER SIZE, GRADE, LOCATION
SAN. CONN. SIZE, GRADE, LOCATION
STORM SEWER SIZE, GRADE, LOCATION
STORM M.H. CAST ELEV., INV. ELEV.
PAV'T. TYPE, GRADE, CURBS
GAS LINE LOC. SIZE, CURBS
SEPTIC SYSTEM & DUPLICATION
WELL LOCATION & ISOLATION RADIUS

DESIGN CERTIFICATE
THIS PLAT WAS PREPARED BY ME, AN
TO THE BEST OF MY KNOWLEDGE.
JOSEPH GUTOSKEY

"AS-BUILT" CERTIFICATE
I HEREBY CERTIFY THAT THE CIRCLED
AS OBTAINED ON THE SITE
CORRECT TO THE BEST OF MY KNOWLEDGE.
JOSEPH GUTOSKEY

LEGEND
STORM MANHOLE
SANITARY MANHOLE
EXISTING CONTOURS
PROPOSED CONTOURS
EXIST. ELEV. 100.0
100.0 PROP. ELE
DIRECTION OF SURFACE DRAINAGE

2 WORKING DAYS BEFORE YOU DIG
CALL TOLL FREE 800-362-2764
OHIO UTILITIES PROTECTION SERVICE

I, THE UNDERSIGNED, HEREBY DECLARE THAT THE TOPOGRAPHY SHOWN
HEREON, INDICATED BY ONE FOOT CONTOURS AND ELEVATIONS, REPRESENTS
AN ACTUAL FIELD TOPOGRAPHIC SURVEY MADE UNDER MY SUPERVISION ON
THE 16TH DAY OF FEBRUARY, 2001 AND THAT THE ELEVATIONS SHOWN WERE
TAKEN AT APPROPRIATE INTERVALS AND THAT AS OF THAT DATE THEY
EXISTED AS INDICATED HEREON.

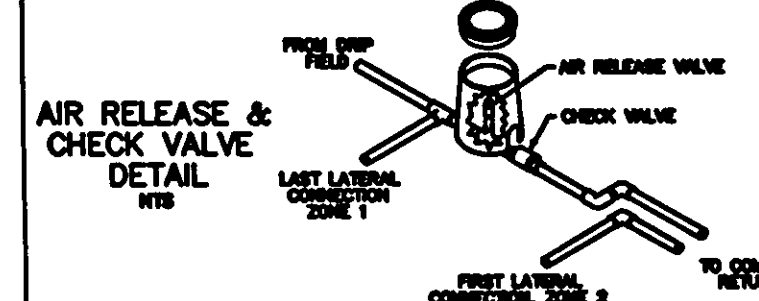
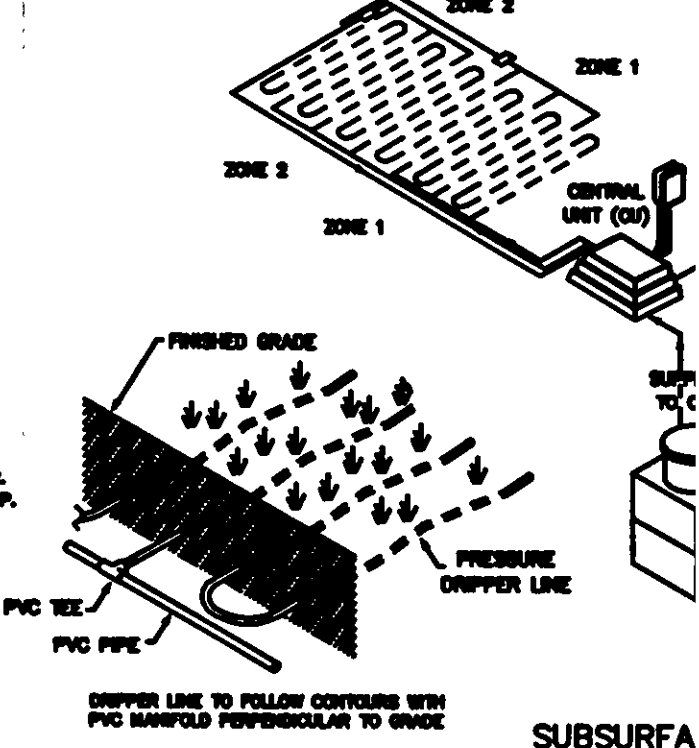
I ALSO DECLARE THAT THIS SEWAGE SYSTEM DESIGN MEETS THE MINIMUM
REQUIREMENTS ESTABLISHED BY THE LCGHD IN THE HSTS GUIDANCE MANUAL,
AND THE REQUIREMENTS AND RECOMMENDATIONS OF THE SYSTEM
MANUFACTURER.

JOSEPH GUTOSKEY #7567

Grading Plan Approved
as shown and/or noted
JAMES R. GILLS, P.E.
Lake County Engineer
By Date

GENERAL NOTES - DRIP DISPOSAL

- ALL INSTALLATION AND CONSTRUCTION REQUIREMENTS 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 (PVC) PRIMER PRIOR TO BEING GLUED.
- ALL CUTTING OF PVC PIPE, FLEXIBLE PVC AND DRIPPER TUBING SHALL BE ACCOMPANIED 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 TAPE TO PREVENT CONSTRUCTION DEBRIS FROM ENTERING THE PIPE. PRIOR TO GLUING ALL JOINTS SHALL BE INSPECTED FOR AND CLEANED OF ANY CONSTRUCTION DEBRIS.
- NO NET WEATHER INSTALLATION IS PERMITTED.
- NO ACTIVITY ON DRIFTED AREA OTHER THAN NECESSARY REQUIRED TO INSTALL SYSTEM. DO NOT PARK DISPERSED, DRIVE LARGE EQUIPMENT OVER, OR STORE MATERIALS ON DRIFTED SITE.
- HORIZONTAL SPACING BETWEEN DRIPPER LINES AND THE INSTALLATION DEPTH SHALL BE AS SPECIFIED.
- THE BUILDING SEWER SHALL BE 4" SCH 40 PVC WITH A MINIMUM SLOPE OF 1/4" PER FOOT. THERE SHALL BE NO BENDS GREATER THAN 45 DEGREES. CLEANOUTS SHOULD BE PROVIDED EVERY 20 FEET. FOR CONSTRUCTION TECHNIQUES REFER TO THE "SEWAGE HANDLING AND DISPOSAL REGULATIONS".
- IF EXISTING SEPTIC TANKS ARE TO BE USED, THEY SHALL BE PUMPED OUT BY A COMMERCIAL SEPTIC TANK CLEANER. AFTER THE TANK IS SHIPPED IT SHALL BE RINSED, PUMPED AND FILLED WITH CLEAN WATER. DEBRIS IN SEPTIC TANK MUST BE KEPT TO A MINIMUM AS IT COULD CLOG THE DISK FILTERS DURING STARTUP. IF UTILIZED SEPTIC TANKS MUST BE WATERPROOF.
- IF TUBES ARE TO BE REMOVED FROM SITE, CUT TRIMPS FLUSH WITH GROUND. REMOVE BY HAND.
- GRAVEL BASE UNDER CENTRAL CONTROL UNIT IS TO BE GRADED 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 CHANGES SHALL BE AT THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- DRIFTED SUPPLY AND RETURN LINES TO BE INSTALLED AT ADEQUATE DEPTH TO PREVENT FREEZING.
- EFFLUENT STRENGTH IS EXPECTED TO BE LESS THAN 300 mg/L BOD5 AND 200 mg/L TSS.
- THIS PLAN COMPLIES WITH THE "SEWAGE HANDLING AND DISPOSAL REGULATIONS".
- OPERATION AND MAINTENANCE MANUAL TO BE PROVIDED AT JOB COMPLETION.



- 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.
- SYT 1 COVER SHEET
SYT 2 SITE PLAN
SYT 3 ZONE DETAIL
SYT 4 HYDRAULIC PROFILE & DRIP DETAIL
SYT 5 PUMP & CONTROL DETAIL
SYT 6 SEPTIC TANK DETAIL
SYT 7 CALCULATION SHEETS
SYT 8 PUMP CURVE
- AMERK
8817 MILLIN
PROJECT NAME
COUNTY
REL. FILED