GENERAL DRIP DISPOSAL NOTES

- 1) ALL NETALLATION AND CONSTRUCTION TECHNIQLES SHALL CONFORM TO COUNTY CODES AND OHO DEPT. OF HEALTH REGULATIONS AND THE PERMET FOR THE SITE.
- 2) THE INSTALLATION OF THIS SYSTEM SHALL BE IN ACCORDANCE WITH SPECIFICATIONS AND PROCEDURES AS SUPPLED BY THE MANUFACTURER OF THE EQUATIENT.
- 5) ALL PUC PIPE AND PITTINGS SHALL BE PUC SON 40 TYPE I RATED FOR PRESGURE APPLICATIONS, ALL GLUED JOINTS SHALL BE CLEANED AND PROPED WITH PURPLE (DIED) PAC PROPER PRIOR TO BEING GLUED.
- 4) ALCUTING OF PIC PPE RESIDE PIC AND DROPER TURNS SHALL BE ACCOMPLEMED WITH PIPE CUTTERS APPROVED BY MANUFACTURER. NO SAWING OF PAC, FLEXIBLE PAC OR DEPPER TURNS ALLOWED.
- 5) ALLAYC PRE FLEXIBLE PYC AND DRIPPER TUBNOS IN THE WORK AREA SHALL HAVE THE ENDS COVERED WITH DUCT TAPE TO PREVENT CONSTRUCTION DEBRIS FROM ENTERING THE PPE PRIOR TO GLUNG ALL JOINTS SHALL BE INSPECTED FOR AND CLEARED OF ANY CONSTRUCTION DESES.
- SI NO WET WEATHER INSTALLATION IS PERFITTED.
- 7) NO ACTIVITY ON DRAIN FIELD AREA OTHER THAN MINISTELLY REGULARD TO INSTALL SYSTEM, DO NOT PARK EQUIPMENT, DRIVE LARGE EQUIPMENT OVER OR STORE MATERIALS ON DRAIN FIELD SITE
- 8) HORIZONTAL SPACING BETWEEN DRIPPER LINES AND THE INSTALLATION DEPTH SHALL BE AS SPECIFED.
- 9) IF TREES ARE TO BE REMOVED FROM SITE OUT STUMPS RUSH WITH GROUND. REMOVE WITH LOW GROUND PRESSURE SOUPHENT.
- 10) GRAVEL BASE UNDER CENTRAL CONTROL UNIT IS TO BE DRANED VAIT PVC PAS SCREENED AT NLET AND OUTLET, DISCHARGE TO BE AT GRADE DOWN SLOPE (TO ENSURE DRANAGE OF SURFACE WATER PROH UNIT.)
- 1) THE CONTRACTOR SHALL BE CERTIFIED TO INSTALL THIS TYPE OF SYSTEM BY THE MANUFACTURER AND SHALL HOLD A FRE CONSTRUCTION MEETING WITH THE NONDUAL'S RESPONSIBLE FOR SOLL EVALUATION, PERFETTING AND NEFFCTIONS PROR TO SITE WORK BEGINNING TO NEURE PROTECTION OF THE SITE CONDITIONS AND TO ENGINE THE SYSTEM IS INSTALLED ACCORDING
- D) FISTE CONDITIONS ARE DETERMINED TO REQUIRE THE INSTALLATION OF THE SYSTEM TO DEVIATE FROM THESE PLANS, ALL SITE WORK SHALL STOP IN EDIATELY AND THE DESIGNER SHALL BE NOTIFIED. ANY ONGOING WORK SHALL BE AT THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- 19) DRAIN FIELD SUPPLY AND RETURN LINES TO SEINSTALLED AT 3-0 DEPTH TO
- II) ELECTRICAL WORK AND EQUIPMENT SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE, ELECTRIC WORK TO BE INSPECTED AND APPROVED BY LOCAL BUILDING DEPARTMENT.
- 15) OPERATION AND MAINTENANCE MANUAL TO SE PROVIDED AT JOB COMPLETION.
- 16) PROR TO STARTUP OF THE DRIP DISPOSAL SYSTEM THE AR RELEASE VALVES SHALL BE REMOVED AND EACH ZONE IN THE SYSTEM SHALL BE FLUSHED AS FOLLOWS

d) USING AN APPROPRIATE LENGTH OF FLEXIBLE PVC PPE WI A MALE FITTING ATTACKED TO THE AR RELEASE CONNECTION TO DIRECT THE RLISHING AWAY PROM THE CONSTRUCTION AREA, B) FLUSH THE ZONE WITH A VOLUME OF WATER (CLEAN WATER TO BE PROVIDED BY CONTRACTOR) EQUAL TO 15 THES THE VOLUME OF THE PIPES FROM THE CENTRAL UNIT TO THE AR RELEASE VALVE C) REPEAT THIS PROCEDURE FOR EACH ZONE (THE FLUSHING SYSTEM IS ACCOMPLISHED BY MANUAL OVERFOR OF THE CONTROL PANEL BY THE MANUFACTURER OR ENGINEER)

DRIP DISPOSAL MATERIAL SPECIFICATIONS

1) DISC FILTERS DISC FILTERS SHALL BE AN OBLIQUE FILTER

ENTRELY OF PLASTIC, WITH TWO & MALE END CONNECTIONS TO NPT SCHEDULE 40 PRESSURE PVC. THE FILTER ELEMENTS SHALL CONSIST OF GROOVED RINGS, MOUNTED ON A SPINE FORMING A CYLINDRICAL FILTER BODY. THE RINGS ARE TO BE KEPT TOGETHER BY A SPRING SEATED AT THE BOTTOM OF THE FILTER COVER THE OUT-IN FILTER SHALL BE OF THE SCREW IN TYPE WITH NITPLIC RUBBER O-RING SEAL THE BODY MATERIALS SHALL BE POLYESTER THE SPINE AND RINGS SHALL BE POLYPROPYLENE, AND THE SPRING SHALL BE STAINLESS STEEL THE NOMINAL FLITRATION CAPACITY OF THE FILTER SHALL BE 15 MORONS.

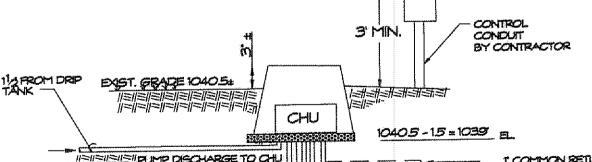
- DREPER TUBING THE DREPER TUBING SHALL BE NETAPIM BOLINE PRESSURE COMPENSATING DRIPPERLINE FOR WASTEWATER THE TUBING SHALL BE NOMINAL O.61 GALLONS PER HOUR (45 % FLOW RATE FROM 7 TO GO PSI). THE TUBING SHALL PUNCTION AS A TURBULENT FLOW EMITTER BETWEEN O AND 7 PS, ENGURING THAT THE NOMINAL DESIGN FLOW IS NOT TO EXCEED AT SYSTEM STARTUP. THE TUBING SHALL BE POLYETHYLENE 120 PSI RATING, TUBING END CONNECTIONS AND SPLICE CONNECTIONS SHALL BE MANUFACTURED SPECIFICALLY FOR THE TUBING AND FOR CONNECTION TO STANDARD SCHEDULE 40 NPT ADAPTERS.
- 3) AUTOMATIC CONTROL VALVES THE AUTOMATIC CONTROL VALVE SHALL BE SOLENOID ACTIVATED DIAPHRAGM VALVES BY BERMAD. THE BODY AND COVER SHALL BE REINFORCED NYLON, THE METAL PARTS SHALL BE STAINLESS STEEL THE DIAPHRAGM SHALL BE NYLON-FABRIC REINFORCED POLYSOPRENE. THE SEALS SHALL BE BUNAN THESE VALVES SHALL OPERATE BLECTRICALLY USING HYDRALLIC PRESSURE TO OPEN AND TO GLOSE
- 4) RETURN PRESSURE ASSESTED Y FOR ZONE RETURN CONTROL VALVE THE AUTOMATIC ZONE RETURN VALVE SHALL, IN THE EVENT THE DRIP ZONES ARE OVER 10 FEET IN VERTICAL ELEVATION ABOVE THE HYDRAULIC UNIT, HAVE INSTALLED A RETURN PRESSURE AGGEMBLY, THE AGGENGLY IS TO BE USED TO PREVENT THE LINE FROM DRAINING AFTER OR DURING EACH DOSE, SEE STANDARD

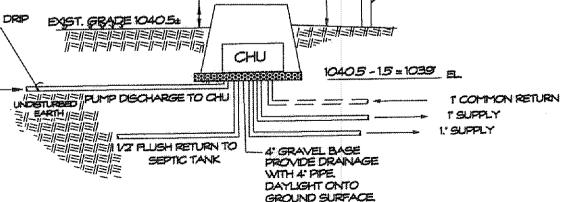
DRIP SYSTEM DESIGN PARAMETERS:

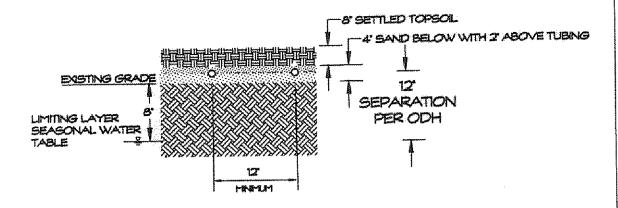
- PEAK DAILY DOSE = 360 Gallons
- AVEAGE DAILY DOSE = 60% OF 360 Gal = 216 Gallons
- EACH ZONE SHALL BE DOSED 3 TIMES PER DAY AT AVERAGE FLOW AND 4.8 TIMES PER DAY AT PEAK FLOW.
- DOSE VOLUME = 37 Gallon/Dose
- DOSE DURATION = 9 Min/Dose

15 GPM @ 121 Feet TDH

- DOSE FREQUENCY @ AVERAGE FLOW = 248 Min.
- DOSE PREQUENCY @ PEAK FLOW = 149 Min.
- DRIP FIELD SHALL BE FLUSHED EVERY 25 DOSES
- DRIP FIELD DOSING PUMPS SHALL BE FLINT & WALLING MODEL
- 15 GPM TH.P. OR EQUAL AND SHALL BE ABLE TO PUMP







TYPICAL DRIPLINE INSTALLATION DETAIL NOT TO SCALE

NOTES:

- SEED AND MULCH DISTURBED AREAS WITH OWNERS PREFERRED BRAND UPON COMPLETION.
- 2 DRIP TUBING SHALL FOLLOW CONTOURS AND SHALL BE A MINIMUM OF 2-0 O.C.
- DOID TUBING SHALL BE 0.57 LD. AND SHALL BE RATED AT O.O. GRH PER EMITTER
- SCARFY GROUND A DEPTH OF 4'-6'. CONTRACTOR TO TAKE CARE TO NOT COMPACT EXISTING SOIL
- 5. SAND TO BE CLEAN COARSE OLD OT, APPROVED CONCRETE SAND (C-33).

DRP IRRIGATION DETAILS ARE THE PROPERTY OF AMERICAN MANUFACTURING, CO., AND IT OR THE TECHNOLOGY CONTAINED HEREIN MAY NOT BE REPRODUCED NOR USED EXCEPT AS ORIGINALLY INTENDED WITHOUT THE EXPRESSED CONSENT OF AMERICAN MANUFACTURING, CO.

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WASTEWATER TREATMENT NOTES & DETAILS

New Three Bedroom Home 9855 Little Mountain Road Concord Twp., Lake County March. 2011