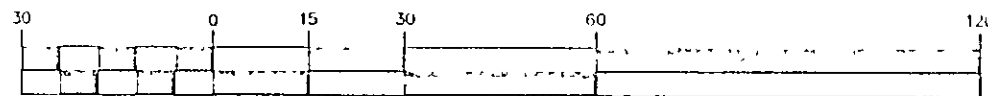
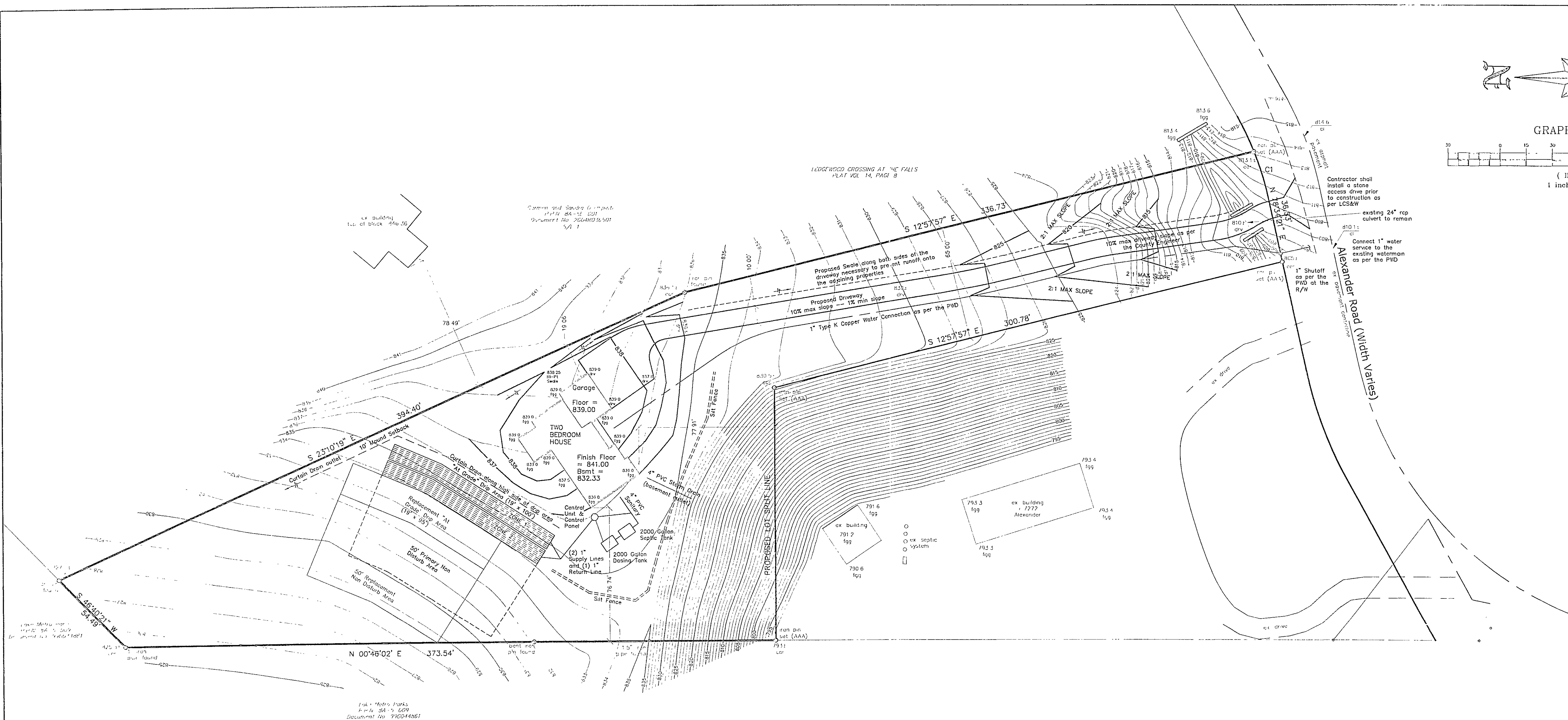


GRAPHIC SCALE



(IN FEET)
1 inch = 30 ft



SOIL & WATER CONSERVATION NOTES

- 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
ALL 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 OF 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.
 - 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 OF THE ENTIRE LENGTH OF THE LOT. WOOD CHIPS MAY ALSO BE USED BUT MUST BE SPREAD A MINIMUM DEPTH OF FOUR (4) 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 (7) SEVEN DAYS OR WITHIN 24 HOURS OF A 0.5" OR GREATER RAINFALL EVENT. NECESSARY REPAIRS SHALL BE MADE AT THIS TIME.
- NOTE:
ALL EROSION AND SEDIMENT CONTROL SPECIFICATIONS, APPLICATIONS, AND TIME TABLES ARE BASED ON THE DESCRIPTIONS AND STANDARDS OF THE OHIO DEPARTMENT OF NATURAL RESOURCES "RAINWATER AND LAND DEVELOPMENT MANUAL" AND CAN BE FOUND IN THE LAKE COUNTY EROSION AND SEDIMENT CONTROL RULES AS ADOPTED DECEMBER 21, 1999.
- THE SPECIFIED EROSION AND SEDIMENT CONTROL STANDARDS ARE GENERAL GUIDELINES AND SHALL NOT LIMIT THE RIGHT OF THE COUNTY TO IMPOSE, AT ANY TIME, ADDITIONAL, MORE STRINGENT REQUIREMENTS.

PAINESVILLE WATER DEPT.(PWD) GENERAL NOTES:

- ALL BENDS, TEES, AND REDUCERS TO BE MEGA-LUG RESTRAINED.
- HYDRANTS TO BE MUELLER CENTURION 5-1/4", DARLING, OR EQUAL. HYDRANTS TO BE PLUGGED.
- INSTALLATION AND PRESSURE TESTING SHALL BE PER PWD SPECIFICATIONS.
- ALL WATERMANS SHALL BE D.I.P. CLASS 52 AND SHALL CONFORM TO AWWA C150. "TAP AND WRAP" ALL FITTINGS.
- DISINFECTION AND/OR CHLORINATION SHALL BE AS PER AWWA C651.
- FEES AND APPLICATION FOR FIRE LINE INSTALLATION AND INSPECTION DEPOSIT OF \$175.00 PER DAY SHALL BE PLACED WITH THIS OFFICE 72 HOURS PRIOR TO SCHEDULING CONSTRUCTION.
- LINE VALVES TO BE "RIGHT TO OPEN VALVES".
- CONTRACTOR IS RESPONSIBLE FOR ALL INSPECTION COSTS. INSPECTION COSTS TO BE PAID TO PWD AT THE CURRENT HOURLY RATE.
- ZINC ANODE CATHODES ARE TO BE USED ON ALL MECHANICAL JOINT BOLTS.
- CURB STOPS SHALL HAVE COPPER INLETS AND OUTLETS AND SHALL BE HAYS 4304, FORD 822, OR EQUAL.
- SERVICE BOXES SHALL BE BUFFALO PATTERN WITH 2 1/2" SHAFTS. THE BOXES SHALL BE ADJUSTABLE IN HEIGHT FROM 42" TO 60" AND SHALL HAVE THE WORD "WATER" CAST NEATLY AND LEGIBLY ON THE LID WHICH SHALL BE HELD IN PLACE BY A BRONZE OR BRASS STANDARD BOLT. CURB BOXES SHALL BE STANDARD WEIGHT, SIZE 94E, AND SHALL BE MUELLER 4-10350, TYLER PIPE INDUSTRIES 6500 OR EQUAL.
- ALL M.J. FITTINGS TO BE "CL 110".
- WATER METER TO BE INSTALLED INSIDE PER P.W.D. SPEC'S.
- 1" SERVICE IS TO BE INSTALLED BY CONTRACTOR UNDER CITY INSPECTION.
- 1" TAP TO BE MADE BY THE CITY WATER DEPT. AT OWNER'S COST.

PROJECT NOTES:

- CONTRACTOR TO FIELD VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES, INCLUDING ALL UNDERGROUND ELECTRICAL LINES.
- SEE HOUSE PLANS FOR DETAILS AND COMPLETE CONSTRUCTION INFORMATION & DIMENSIONS.
- DOWNSPOUTS ARE TO OUTLET TO SPLASHBLOCKS AND BE DIRECTED AWAY FROM THE HOUSE.
- A TEMPORARY 2" STONE ACCESS ENTRANCE (6" THICK) SHALL BE INSTALLED AS PER THE SPECIFICATIONS FOUND IN THE RAINWATER & LAND DEVELOPMENT MANUAL.
- ALL DISTURBED AREAS SHALL HAVE TEMPORARY SEEDING AS PER SPECIFICATIONS FOUND IN THE RAINWATER & LAND DEVELOPMENT MANUAL.
- CONTRACTOR IS TO CLEAR THE MINIMUM AMOUNT OF TREES TO COMPLETE THIS PROJECT. CONTRACTOR IS TO CONFIRM WHICH TREES MAY BE REMOVED AND WHICH ARE TO REMAIN WITH THE OWNER PRIOR TO CLEARING.

LAKE COUNTY HEALTH DEPARTMENT NOTES:

DRIP DISTRIBUTION FIELD (DRIP TUBING AT GRADE)

- NO HEAVY EQUIPMENT SHALL BE OPERATED OVER THE DISTRIBUTION FIELD.
- AREAS FOR DISTRIBUTION FIELD AND REPLACEMENT AREAS SHALL BE STAKED AND ROPED TO PREVENT ACCESS DURING CONSTRUCTION ACTIVITY.
- NO PARKING OR MATERIAL STORAGE IS PERMITTED IN AREAS DESIGNATED FOR THE DISTRIBUTION FIELD.
- LOCALIZED DEPRESSIONS MAY BE FILLED WITH MOUND SAND AND TOP DRESSED WITH TOPSOIL AND SEEDED (MAXIMUM FILL PERMITTED IS 6").
- ALL INSTALLATION AND CONSTRUCTION TECHNIQUES MUST CONFORM TO THE LAKE COUNTY GENERAL HEALTH DISTRICT REGULATIONS AND OTHER CODES AND REGULATIONS WHICH HAVE JURISDICTION.

CURVE DATA

NUM	DELTA	ARC	RADIUS	BEARING	DISTANCE
C1	9°37'35"	28.56'	170.00'	N73°45'33"E	28.53'

PROPERTY DATA

Owner: Darryl Dunlap and Lonna Jane Mayer
P.P.N. Deed: Volume 564, Page 155 (P.P.N. 8A-5-10)
Document No.

Area: 1.647 Acres

Ex Zoning: R-4 Residential

Building Yard Setbacks

Front: 50' from Right of Way, 80' from Centerline
Side: 15 feet
Rear: 40 feet

Required frontage: 50' at Right of Way, 100' at the Building Setback line
Minimum lot area: 1.00 Acre

Survey data (boundary/topography/utility/location/etc.) shown on this plan is based on a field survey performed by Keith Jones, P.S. of AAA Land Surveying in April of 2006.

Stormwater Management Plan
Approved as shown and/or noted
JAMES R. CULL, P.E.
County Engineer
By: LS Date: 7/29/06

SEWAGE SYSTEM CERTIFICATION:

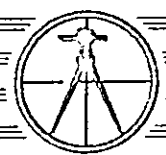
"I CERTIFY THIS SEWAGE SYSTEM DESIGN MEETS THE MINIMUM REQUIREMENTS ESTABLISHED BY THE LAKE COUNTY GENERAL HEALTH DISTRICT IN THE HSTS GUIDANCE MANUAL, AND THE REQUIREMENTS AND RECOMMENDATIONS OF THE SYSTEM MANUFACTURER."

JOHN URBANICK, P.E. NO 66506

7/29/06
DATE

Greenland Consulting, Inc.

7757 Auburn Road Unit #9 Concord, OH 44077
Phone: (440) 352-1794 Fax: (440) 352-1796
E-Mail: green-land@sbgglobal.net



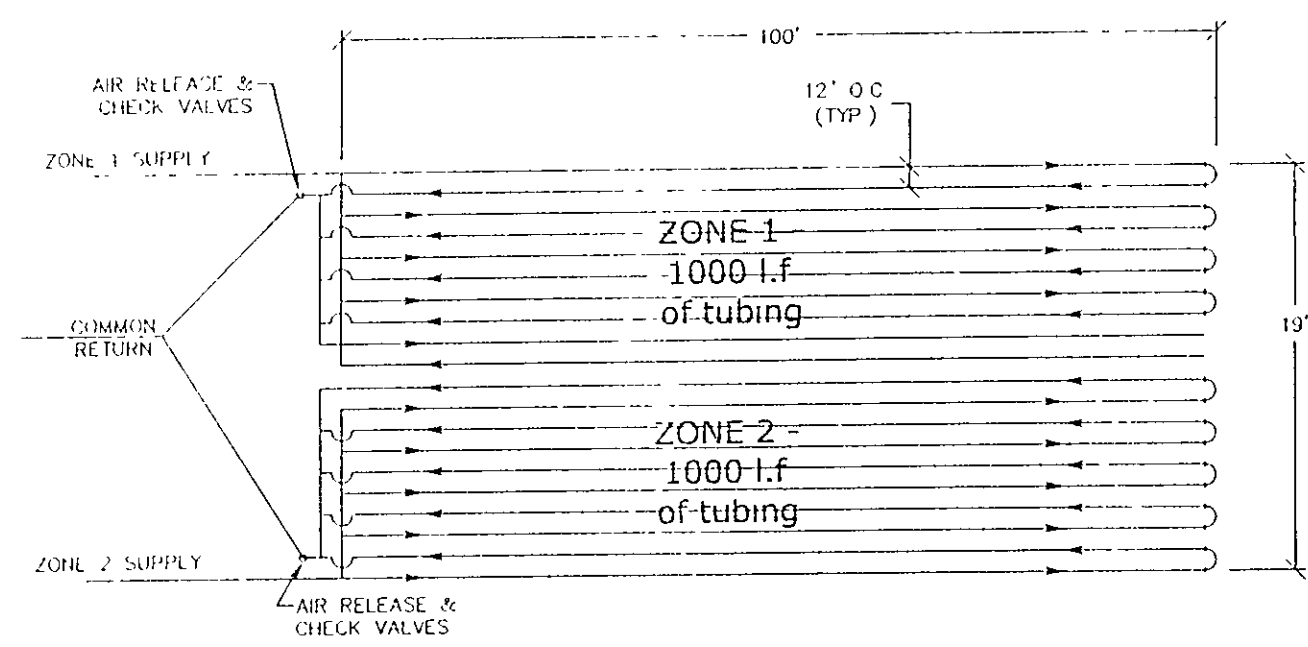
Rev. No.	Description	Date	By	Check
1	REVISED DRIVEWAY AS PER THE COUNTY ENGINEER	7-19-06	JU	

Darryl Dunlap
Vacant Land - Alexander Road
Concord Township ~ Lake County ~ Ohio

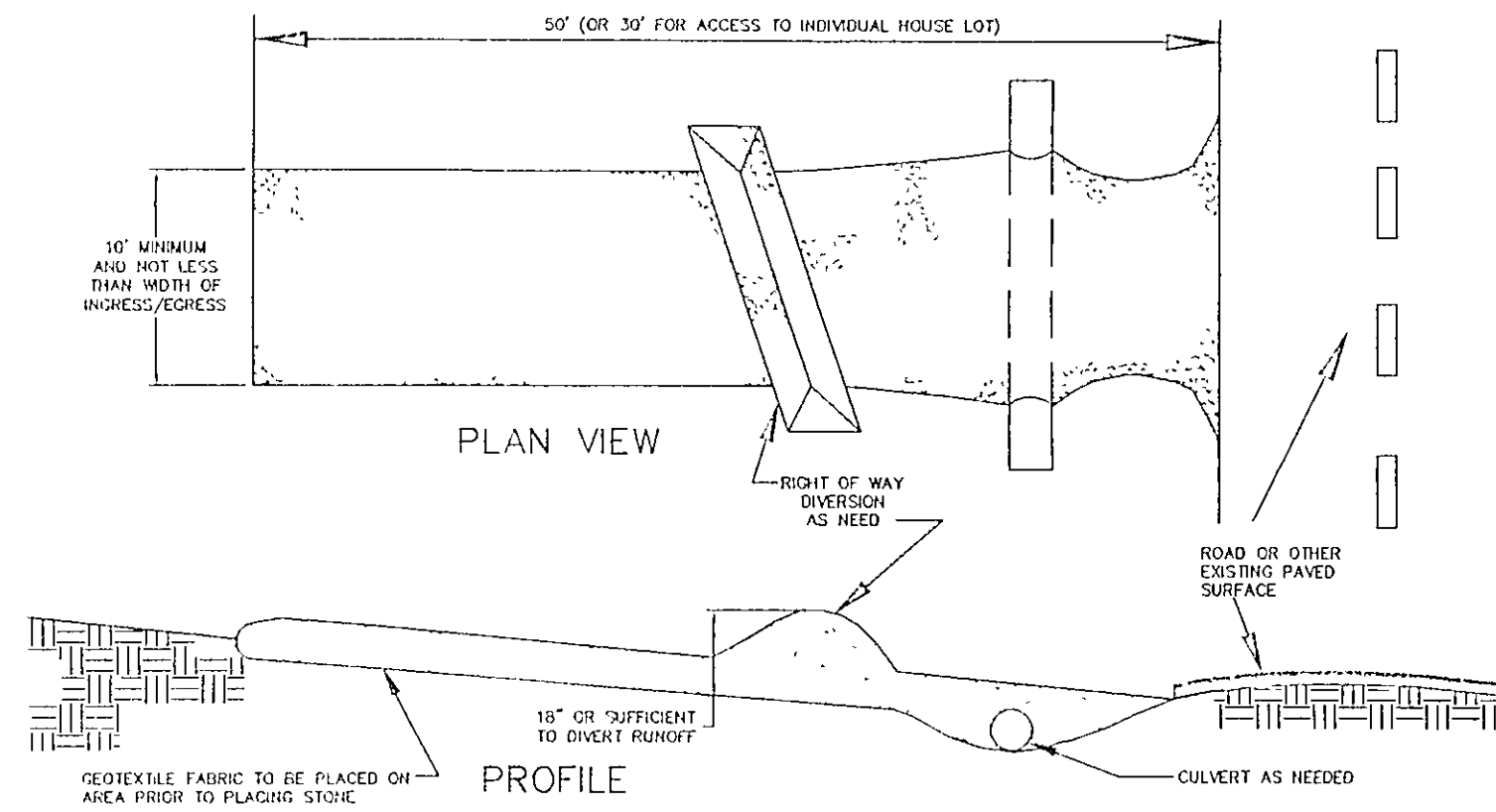
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Filename: 06-007\seplan
Checked By:
Approved By:
Date: 7-19-06

Septic Design Plan
and Site Plan

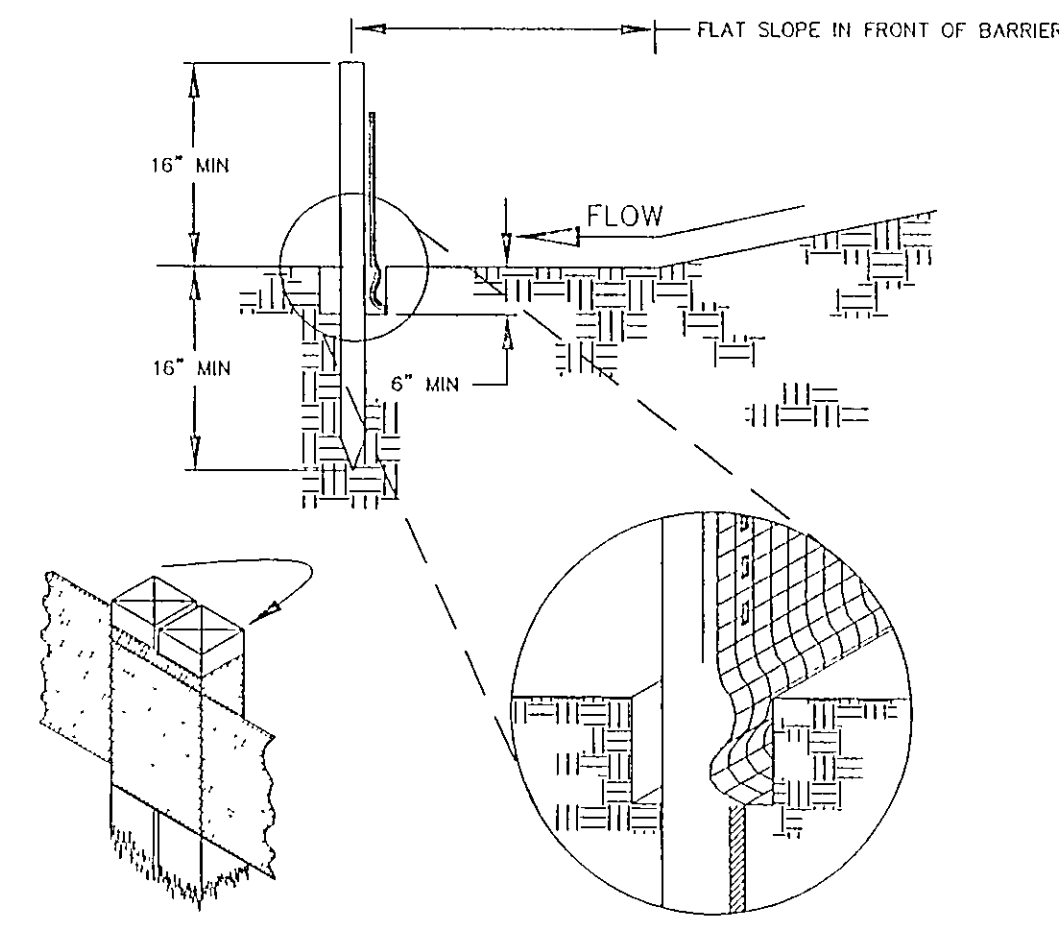
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VERT: 1" = N/A	
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1	2



DRIP ZONE DETAIL
NTS

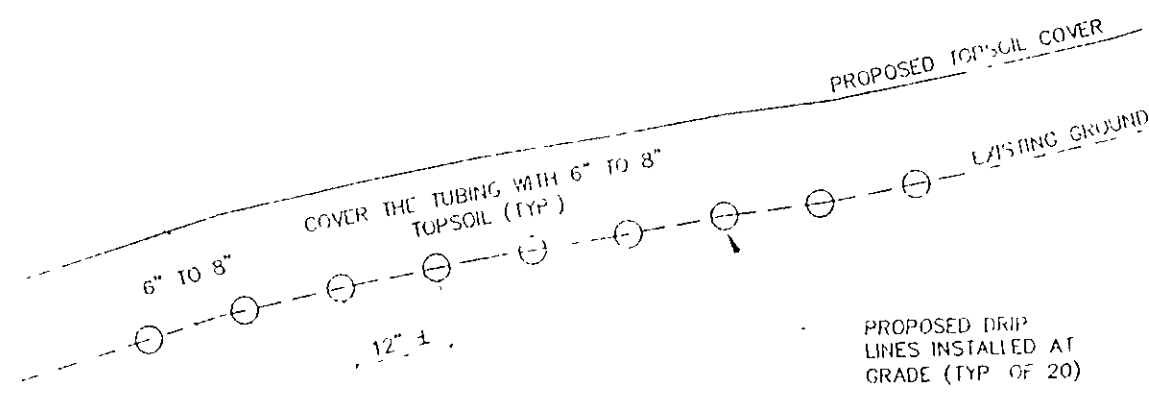


STONE CONSTRUCTION ENTRANCE DETAIL
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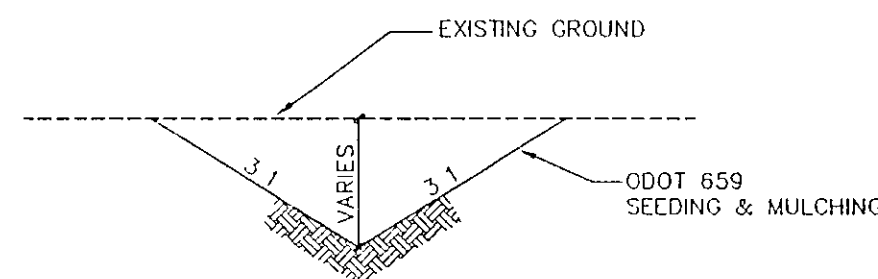


SILT FENCE DETAIL
NTS

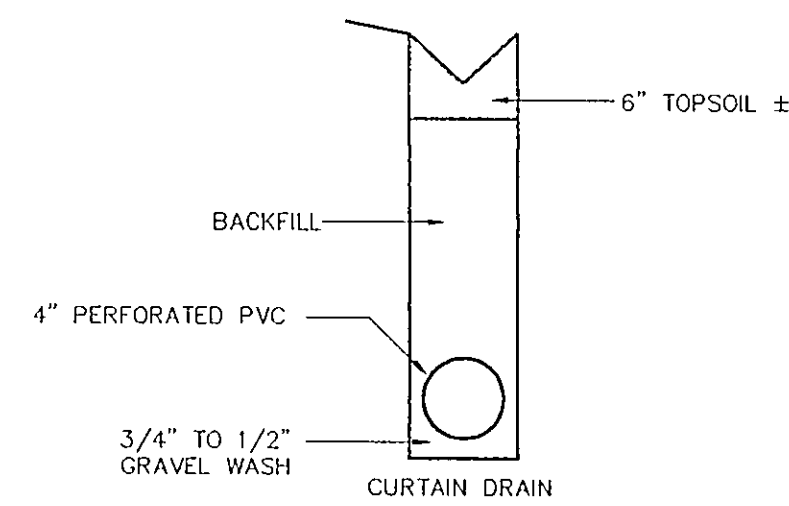
MAXIMUM DRAINAGE AREA (IN ACRES) TO 100 LINEAR FEET OF SILT FENCE	RANGE OF SLOPE FOR A PARTICULAR DRAINAGE AREA (IN PERCENT)
0.5	< 2%
0.25	≥ 2% BUT < 20%
0.125	≥ 20% BUT < 50%



DRIP ZONE CROSS SECTION DETAIL
NTS

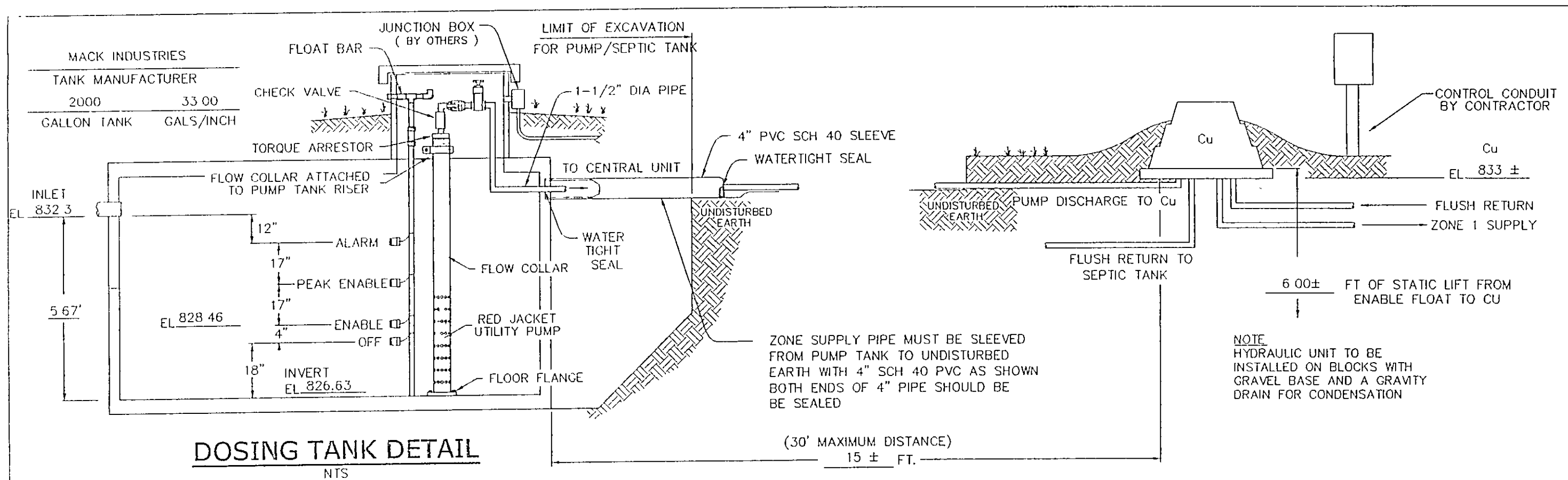


SWALE DETAIL
NTS

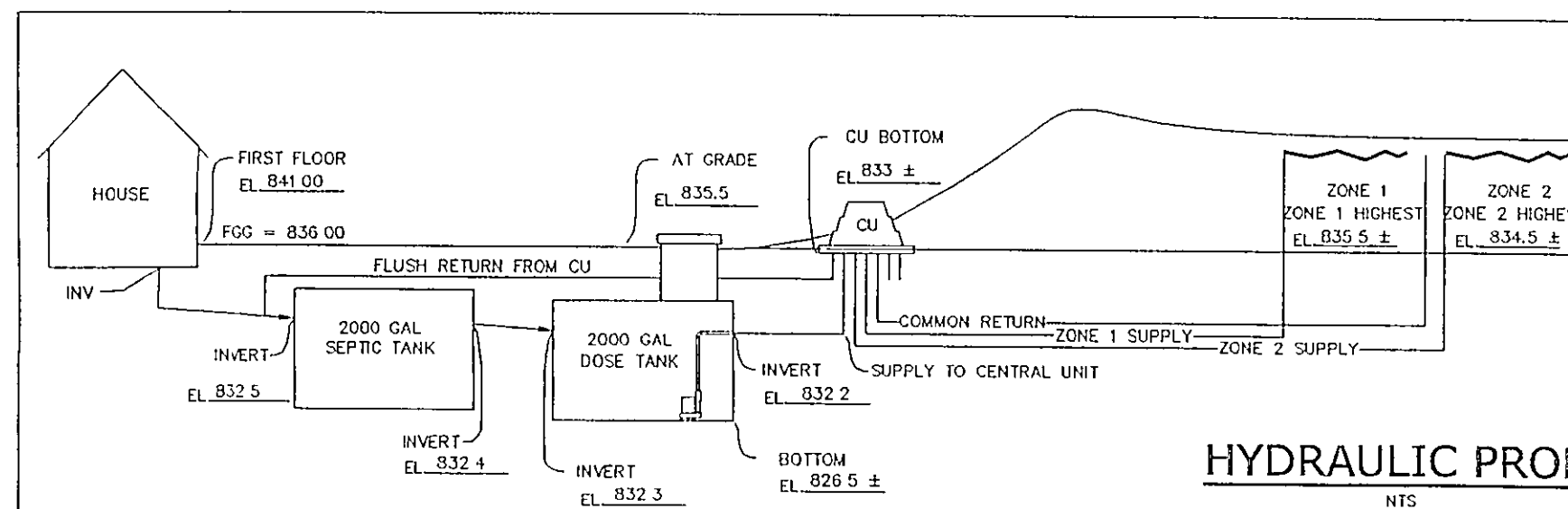


- NOTES:
- WIDTH OF TRENCH FOR CURTAIN DRAIN TO BE 8".
 - MINIMUM SLOPE OF CURTAIN DRAIN WILL BE 6" IN 10'.
 - THE CURTAIN DRAIN WILL HAVE AN INSPECTION PORT AT THE HIGH POINT & AT THE 2 CORNERS.
 - THE OUTLET OF THE CURTAIN DRAIN WILL BE PROTECTED FROM THE ENTRANCE OF SMALL ANIMALS.

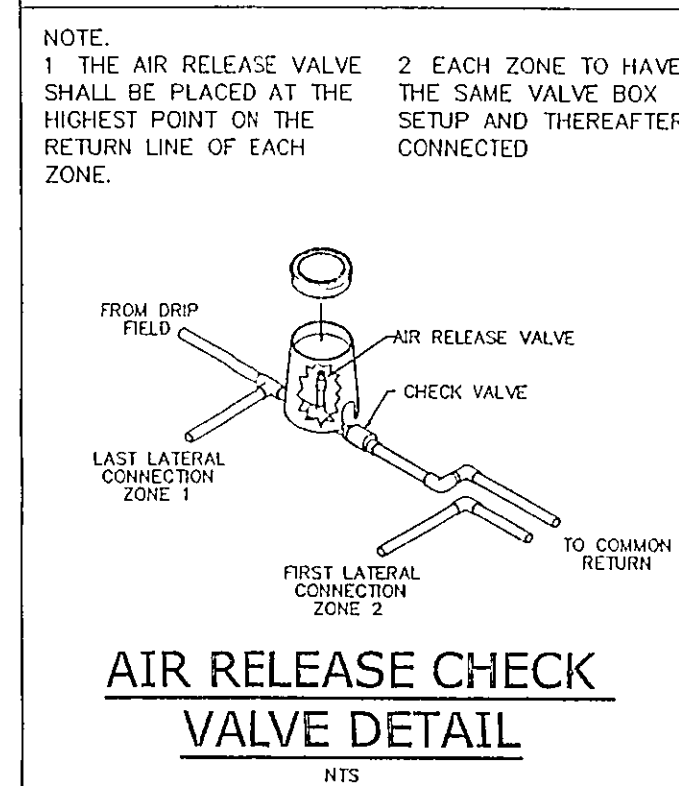
CURTAIN DRAIN DETAIL
NTS



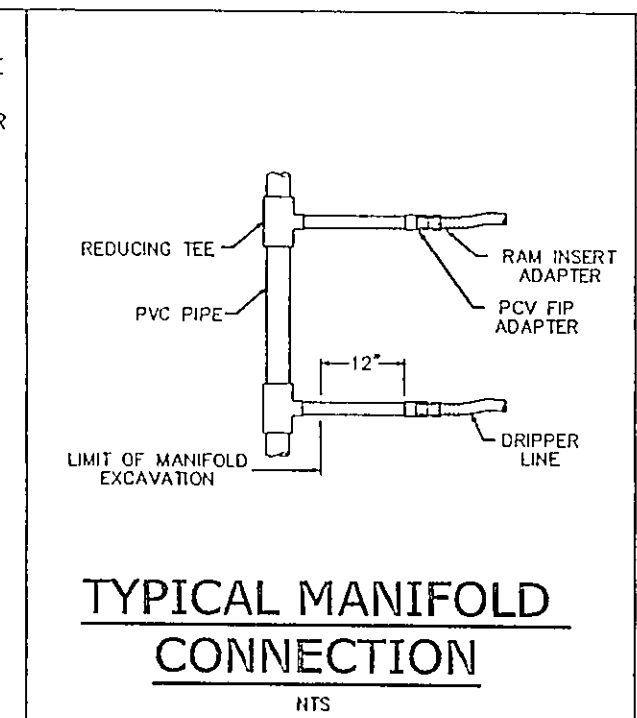
DOSING TANK DETAIL
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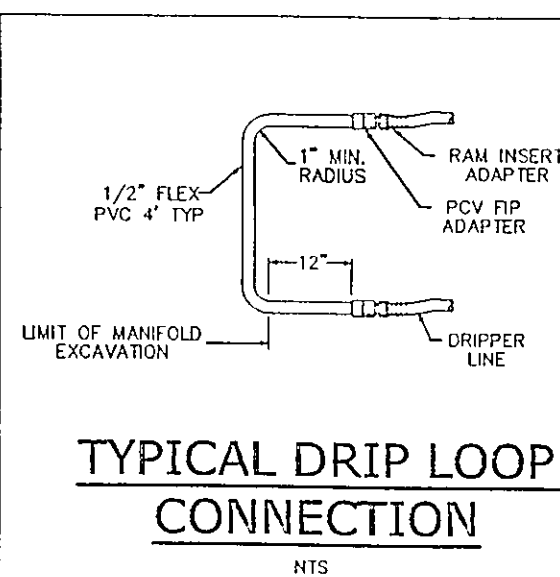
HYDRAULIC PROFILE
NTS



AIR RELEASE CHECK VALVE DETAIL
NTS



TYPICAL MANIFOLD CONNECTION
NTS



TYPICAL DRIP LOOP CONNECTION
NTS

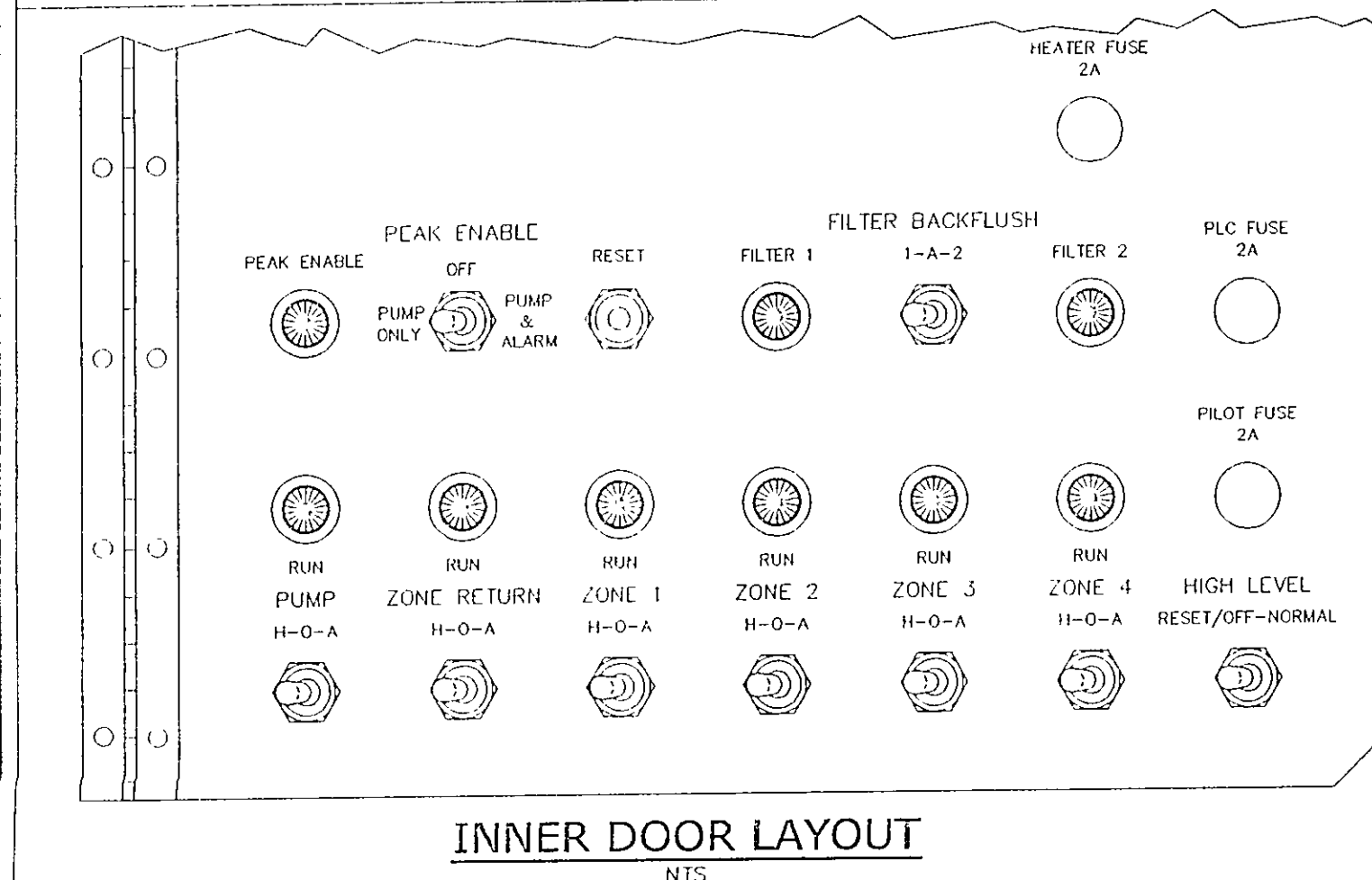
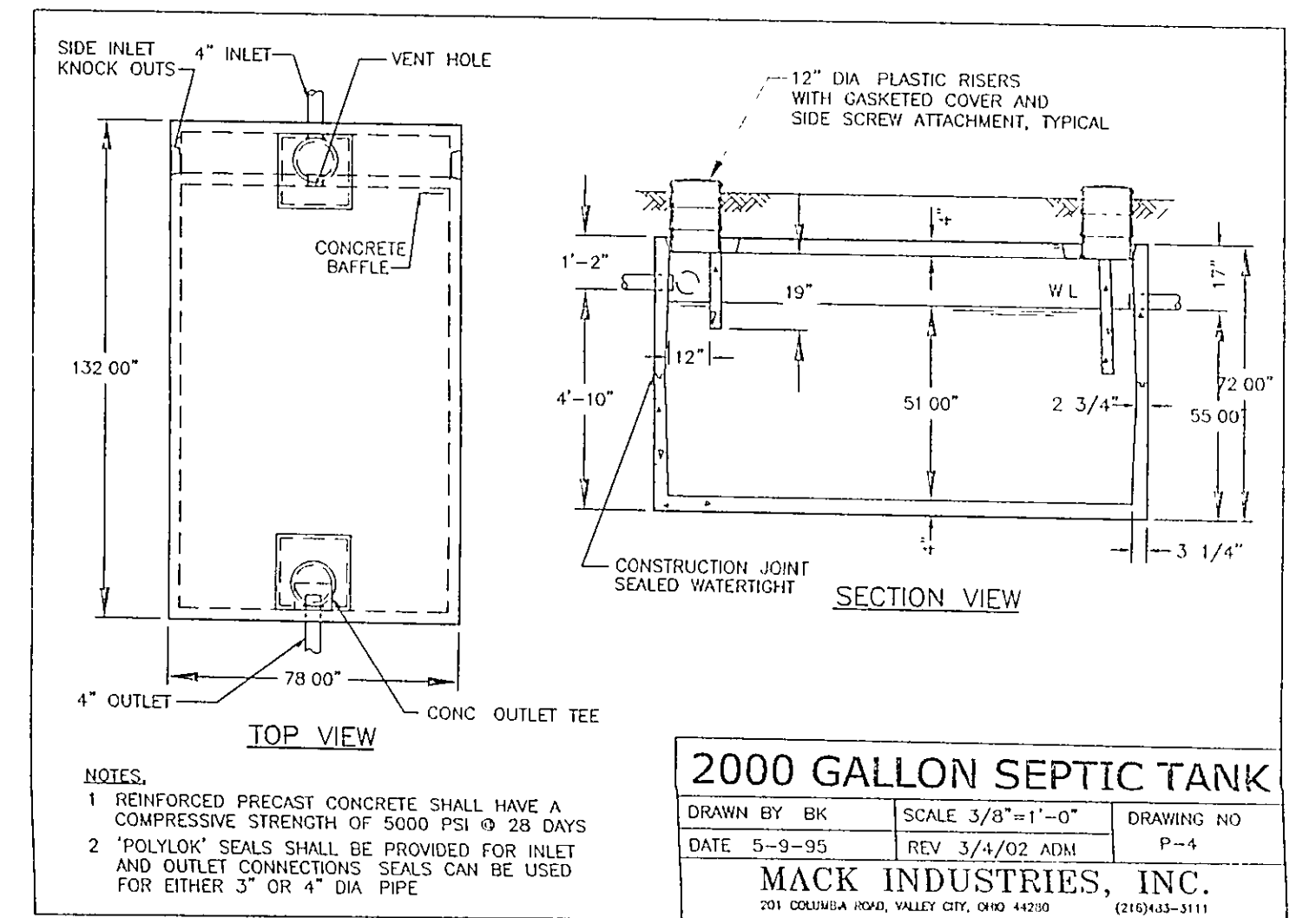
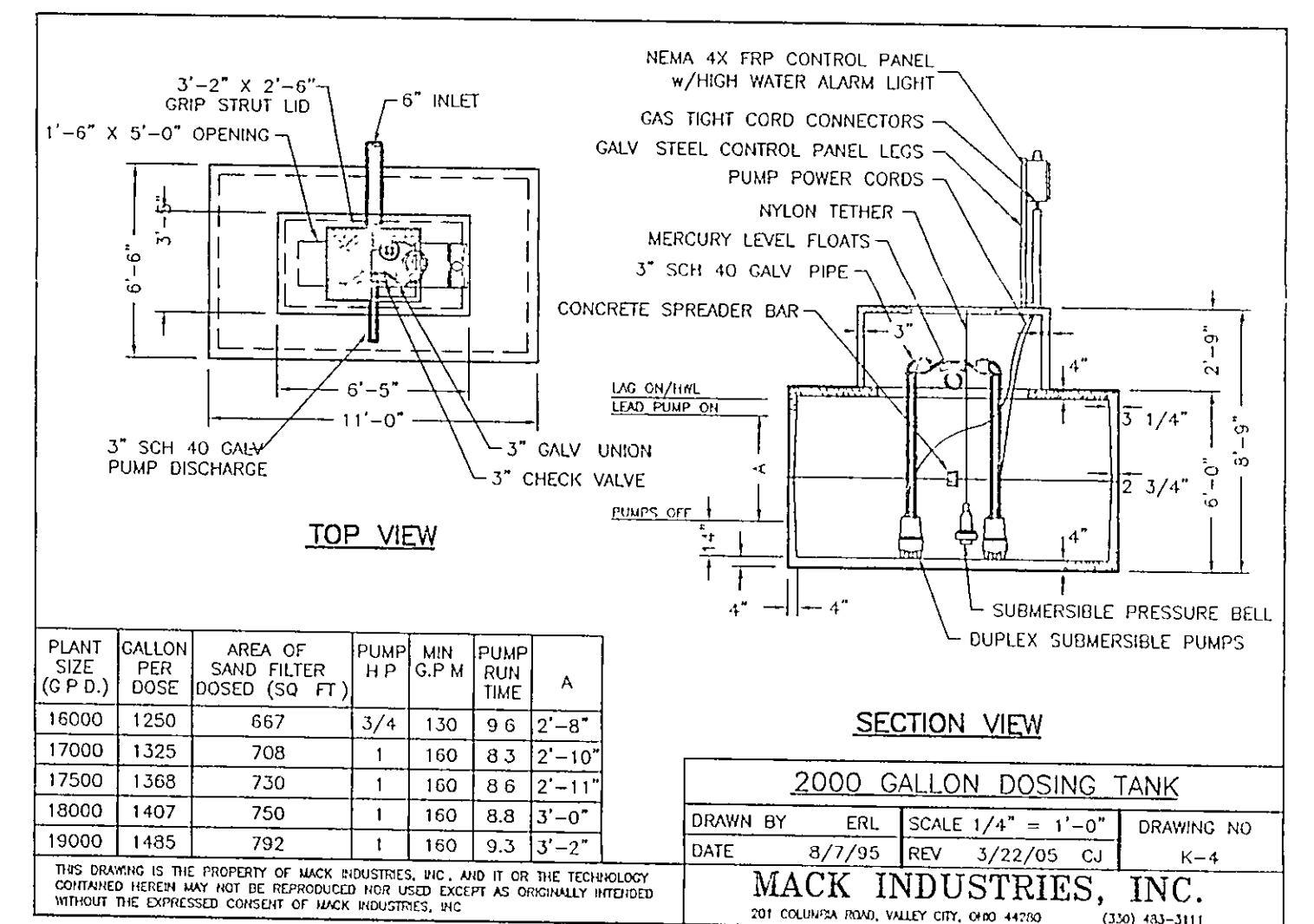
AMERICAN MANUFACTURING CO.
5517 WELLINGTON RD. GAINESVILLE VA. 20155, 703-754-0077

SEEDING DATES	SPECIES	LB / 1,000 FT	PER ACRE
MARCH 1 TO AUGUST 15	OATS TALL FESCUE ANNUAL RYEGRASS	3 1 1	4 BUSHEL 40 LB 40 LB
	PERENNIAL RYEGRASS TALL FESCUE ANNUAL RYEGRASS	1 1 1	40 LB 40 LB 40 LB
AUGUST 16 TO NOVEMBER 1	RYE TALL FESCUE ANNUAL RYEGRASS	3 1 1	2 BUSHEL 40 LB 40 LB
	WHEAT TALL FESCUE ANNUAL RYEGRASS	3 1 1	2 BUSHEL 40 LB 40 LB
	PERENNIAL RYEGRASS TALL FESCUE ANNUAL RYEGRASS	1 1 1	40 LB 40 LB 40 LB
NOVEMBER 1 TO SPRING SEEDING	USE MULCH ONLY, SODDING PRACTICES OR DORMANT SEEDING		

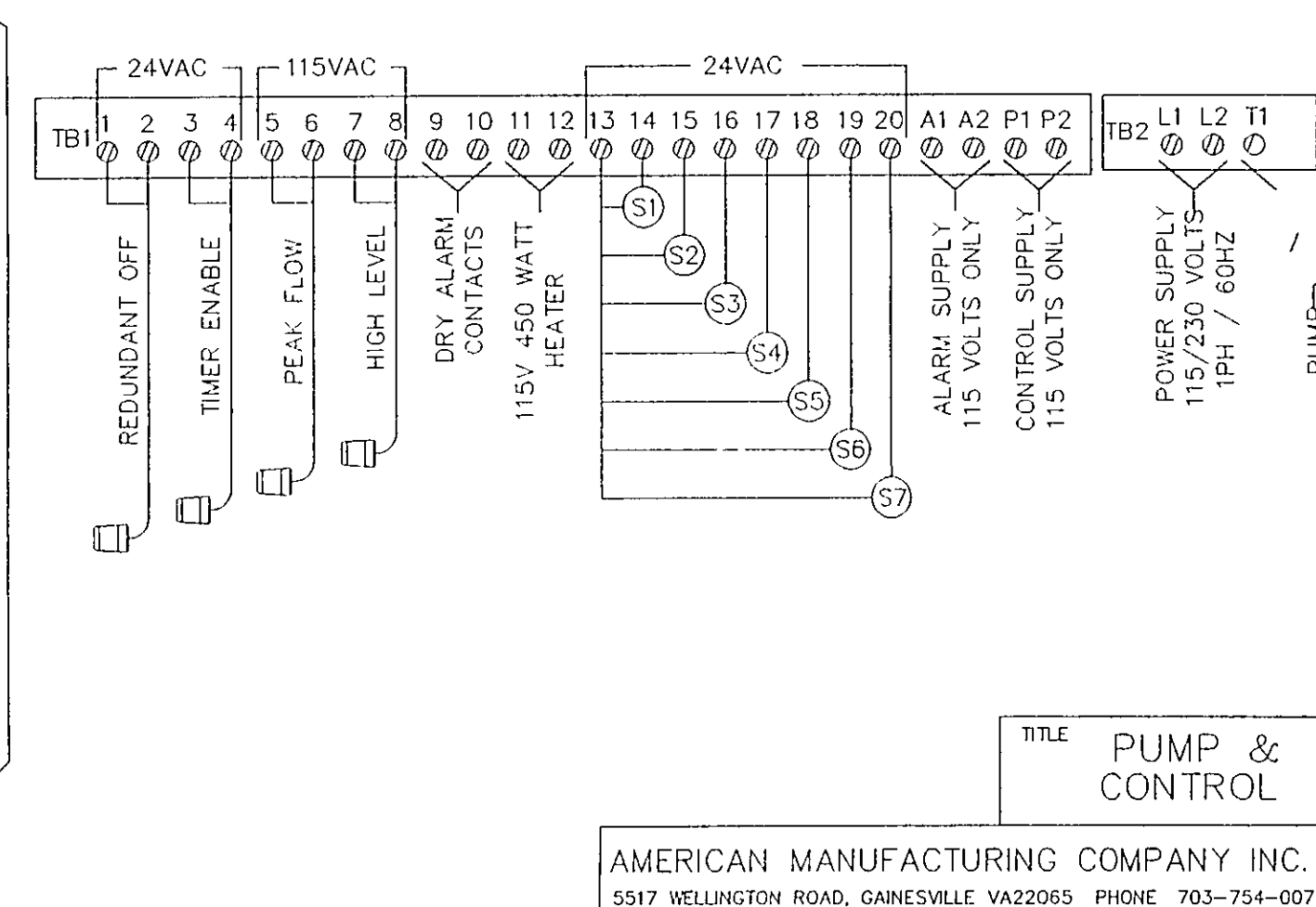
NOTE: OTHER APPROVED SEED SPECIES MAY BE SUBSTITUTED

ADDITIONAL TEMPORARY STABILIZATION NOTES:

- 1) TEMPORARY SEEDING MUST BE APPLIED WITHIN 7 DAYS OF THE LAST DISTURBANCE OF ANY AREA THAT WILL BE DORMANT FOR 21 DAYS OR LONGER.
- 2) TEMPORARY SEEDING IS REQUIRED WITHIN 7 DAYS OF LAST DISTURBANCE FOR ANY AREAS THAT WILL REMAIN IDLE OVER THE WINTER.
- 3) TEMPORARY SEEDING IS REQUIRED WITHIN 2 DAYS OF LAST DISTURBANCE FOR ANY WITHIN 50 FEET OF A STREAM.



INNER DOOR LAYOUT
NTS



AMERICAN MANUFACTURING COMPANY INC.
5517 WELLINGTON ROAD, GAINESVILLE VA20055 PHONE 703-754-0077

NOTE: ALL PUMP AND CONTROL INFORMATION TO BE SUPPLIED BY AMERICAN MANUFACTURING CO.

Rev No.	Description	Date	By	Check