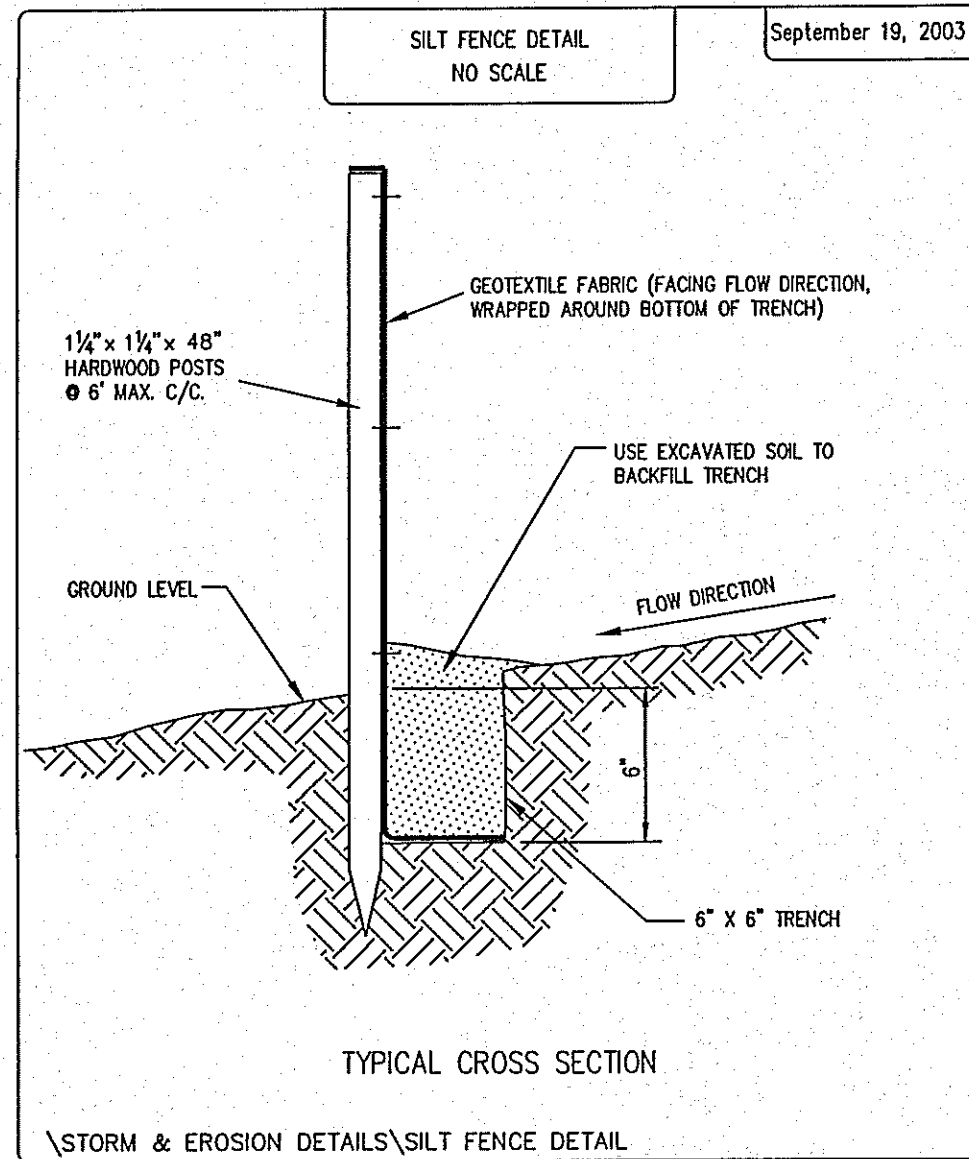




ELEVATIONS USED TO ESTABLISH HOUSE GRADES:
GARAGE FLR. + 1.0' = TOP WALL
TOP WALL + 1.0' = FIRST FLR.
TOP WALL - 8.67' (13 COURSE) = TOP OF FOOTER
TOP OF FOOTER + 0.33' = BSMT. FLR.

- NOTES:
1. GARAGE FLR. ELEV. = ELEVATION AT CENTER OF GARAGE DOOR.
 2. ALL FLOOR ELEVATIONS LISTED ABOVE TO BE VERIFIED BY BUILDER/CONTRACTOR PRIOR TO EXCAVATION.
 3. ANY CHANGES IN THE ABOVE ELEVATIONS SHOULD BE DISCUSSED WITH THE DESIGN ENGINEER PRIOR TO EXCAVATION.
 4. CONTRACTOR TO VERIFY DEPTH AND LOCATION OF EXISTING SANITARY LATERAL PRIOR TO BASEMENT EXCAVATION, TO VERIFY BASEMENT SERVICEABILITY.

House Summary

- 3-Car-Side Entry(Courtyard), With Basement
- See Architect Plans For Complete House Dimensions.
- Utility Connections Per Plan; Contractor To Verify Location And Depth Of All Laterals.

DRIP DISTRIBUTION PLAN SUBMITTAL REVIEW

Date	Name
7/20/06	DELL
7/20/06	DELL
7/20/06	DELL

EXISTING UNDERGROUND 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, POLARIS ENGINEERING & SURVEYING, INC. DOES NOT GUARANTEE THE COMPLETENESS NOR ACCURACY THEREOF.

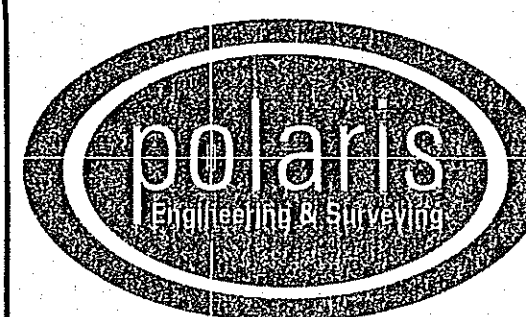


2 WORKING DAYS
BEFORE YOU DIG
CALL TOLL FREE 800-362-2764
OHIO UTILITIES PROTECTION SERVICE

NOTE: THIS SURVEY SUBJECT TO CHANGE UPON
RECEIPT OF ANY ADDITIONAL AVAILABLE
UNDERGROUND UTILITY INFORMATION.

PPN: 08-A-003-0-00-031-0

Lands Shown Are Known As Being Part Of
Original Concord Township Lot 7, In Tract 1,
Situated Now In The Township Of Concord,
County Of Lake, State Of Ohio.



POLARIS ENGINEERING & SURVEYING, INC.
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WILLOUGHBY HILLS, OHIO 44094
(440) 944-4433 (440) 944-3722 (Fax)
www.polaris-es.com

Site & Grading Plan
12147 Girdled Road

CONTRACT No.

06130

SHEET OF

1 2

I, THE UNDER SIGNED, HEREBY CERTIFY THAT THIS
TOPOGRAPHY, INDICATED BY CONTOURS AND
ELEVATIONS SHOWN HEREON, REPRESENT AN
ACTUAL FIELD SURVEY MADE BY ME ON
July 11th 2006

AND THAT THE ELEVATIONS WERE TAKEN AT
APPROPRIATE INTERVALS AND THAT, AS OF THAT
DATE, THEY EXISTED AS INDICATED HEREON.

I FURTHER CERTIFY THAT THIS PLAN WAS PREPARED
BY ME FROM AN ACTUAL BOUNDARY SURVEY AND
IRON PINS WERE FOUND OR SET AT THE PROPERTY
CORNERS AND ALL OF WHICH IS CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

I FURTHER CERTIFY 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.

DUSTIN R. KEENEY, P.E. 65515

NOTE: HOUSE DOWNSPOUTS AND
FOOTER DRAINS TO BE
OUTLETTED TO DAYLIGHT

ESTIMATED IMPERVIOUS AREA
HOUSE: 0.08 AC.
DRIVE: 0.09 AC.
TOTAL: 0.17 AC.

Note: Existing Gravel Drive To
Be Used For Site Access.
-Girdled Road To Be Cleaned
As Necessary If Any Sediment
Tracking Occurs.

Note: Gas, Electric, Phone, Etc.
To Be Connected Near
This Location.

Notes:
-Drip Installer To Provide A Gravity
Drain Out Of The Hydraulic Unit.
Drain To Connect To House Footer Tile
Or Drain To Daylight.
-See Architectural Plans For Location
Of Garage Floor Drain.
-A Grinder Pump Will Be Required
For Basement Bathroom Facilities.
-FINAL LOCATION OF DOWNSPOUTS
TO BE VERIFIED WITH ARCHITECTURAL PLANS.

Concord-Hamden Rd.
(State Route 608)

Prepared For:
Brewster Builders, LLC,
9436 Ravenna Road
Chardon, Ohio 44024
Phn. (440) 488-9234
Fax (440) 286-1680
"THE LEWIS RESIDENCE"

Stormwater Management Plan
Approved as shown and/or noted
JAMES R. GILLS, P.E.
County Drainage Engineer
By L.S. Date 7/26/06

Ingress-Egress
A stone concrete 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.

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 at a minimum depth of four inches over the thirty-foot width and must be accompanied by a properly installed silt fence.

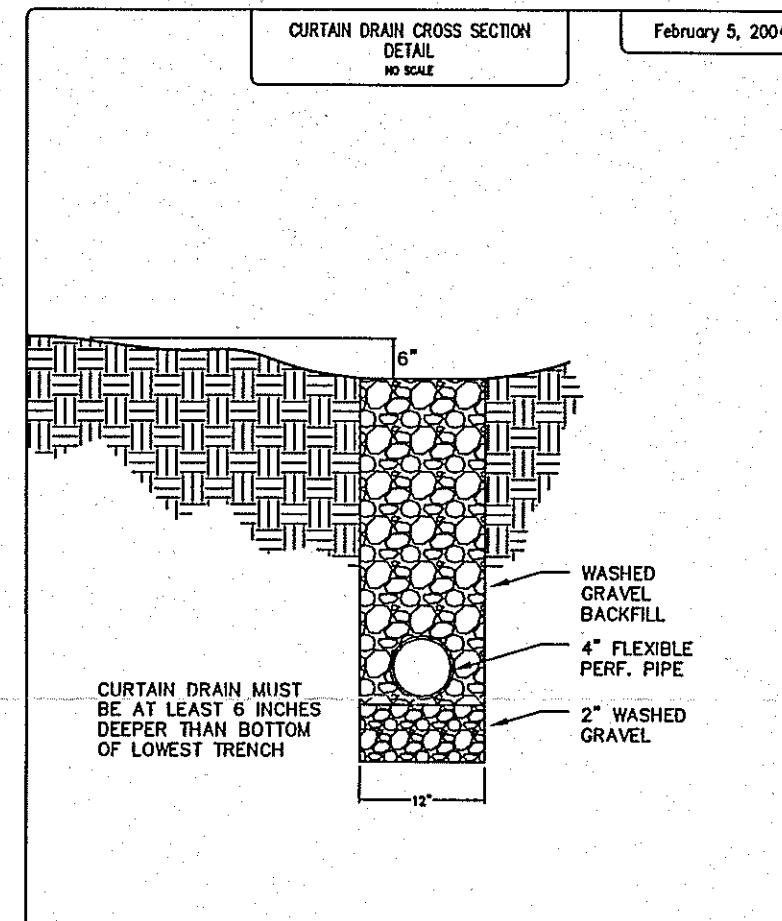
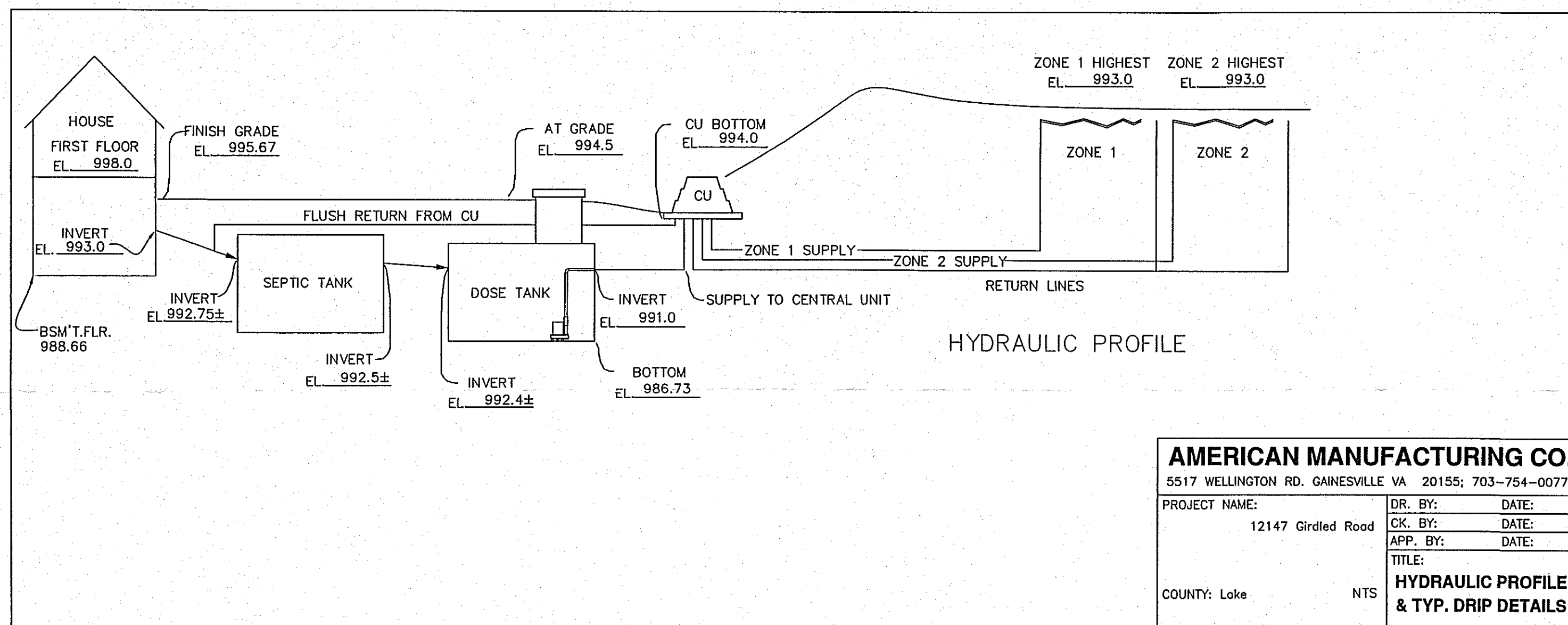
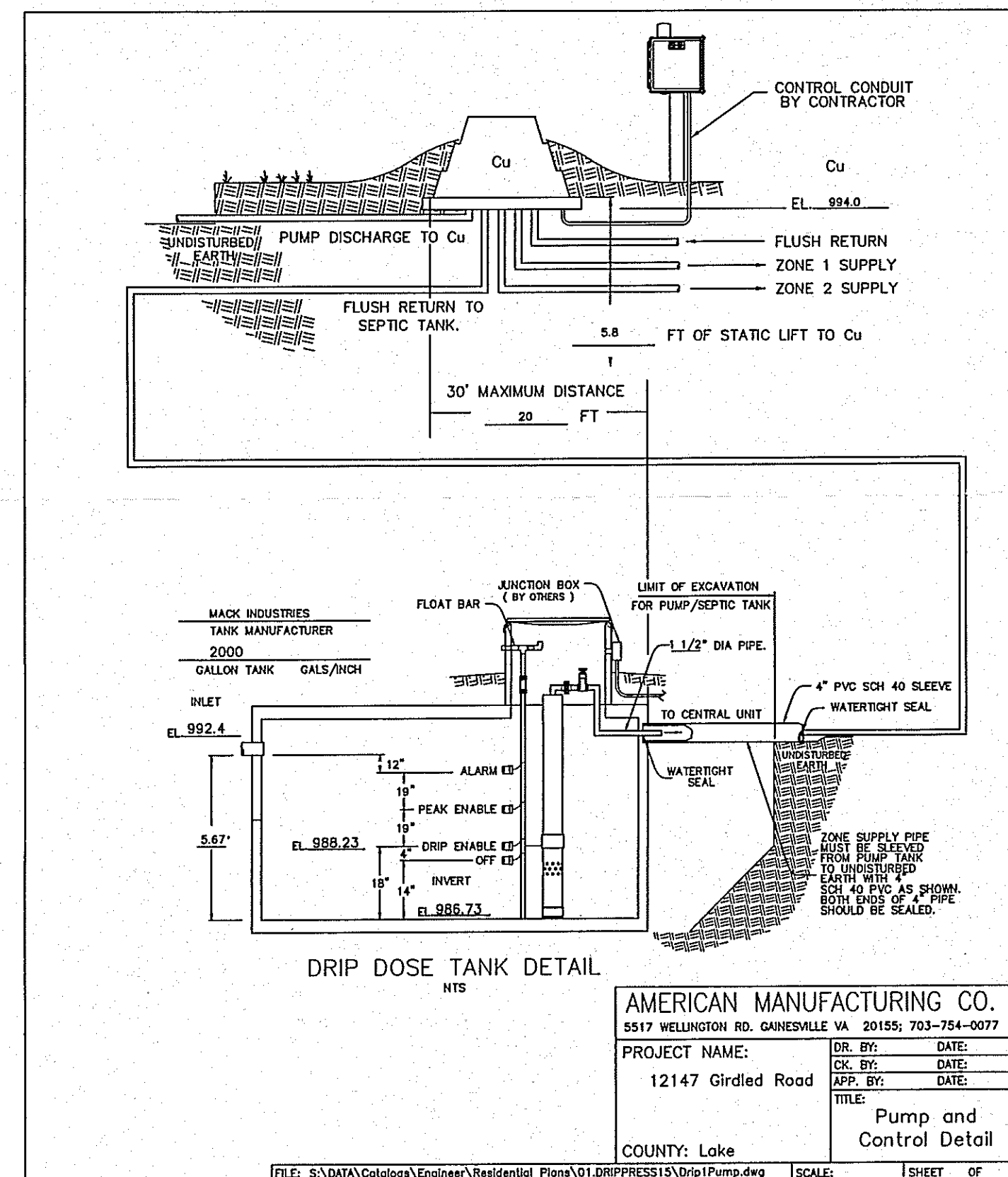
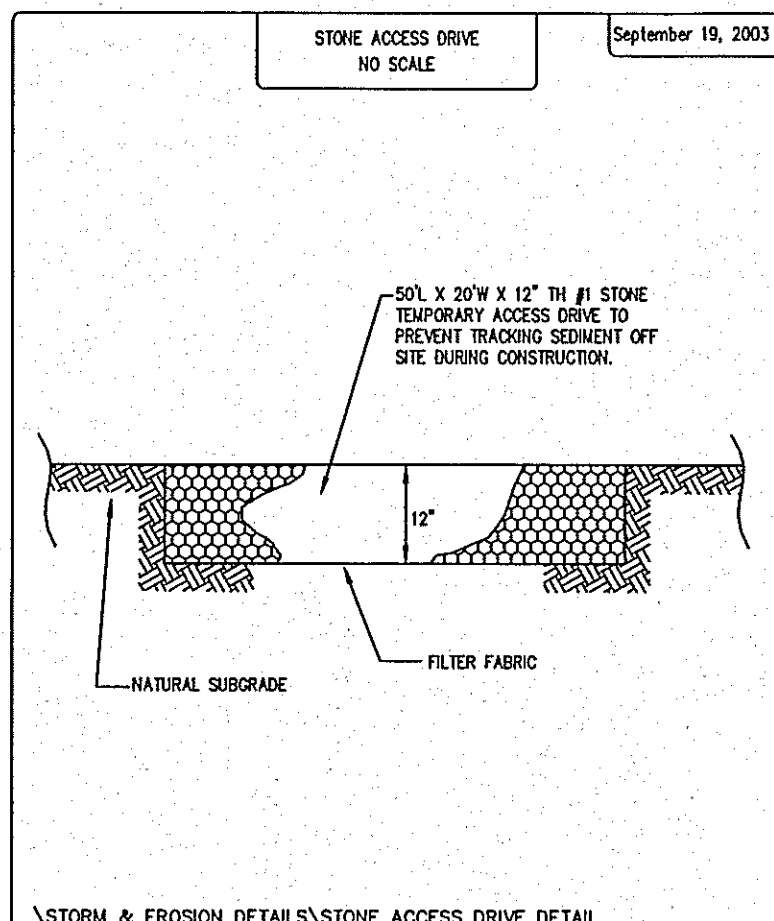
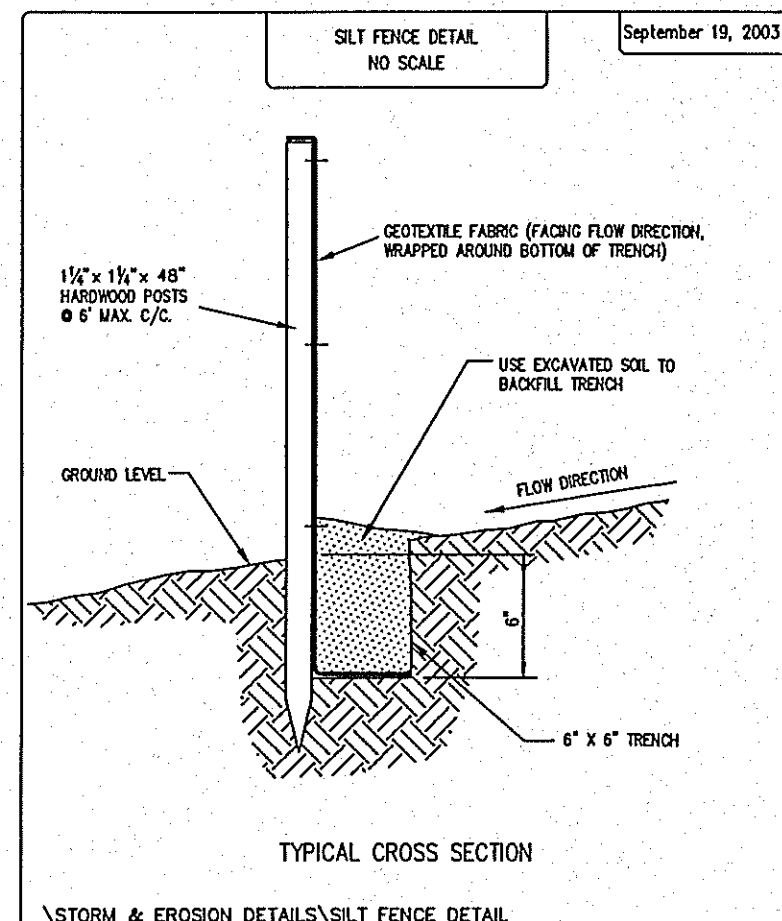
Erosion and sediment controls shall be inspected every seven (7) days or within 24 hours of a 0.5" or greater rainfall event. Necessary repairs shall be made at this time.

All erosion and sediment control specifications, applications, and timetables 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 the general guidelines and shall not limit the right of the county to impose, at any time, additional, more stringent requirements. Nor shall the standards limit the right of the county to waive, in writing, individual requirements.

Seeding Dates	Species	Lb. / 1000qft	Per Acre
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 16 to November 1	Annual Ryegrass	1	40 lb.
	Rye	1	2 bushel
	Tall Fescue	1	40 lb.
	Annual Ryegrass	1	40 lb.
	Wheat	1	40 lb.
	Tall Fescue	1	40 lb.
	Annual Ryegrass	1	40 lb.
	Perennial Ryegrass	1	40 lb.
	Tall Fescue	1	40 lb.
	Annual Ryegrass	1	40 lb.
November 1 to Spring Seeding	Use mulch only, sodding practices or dormant seeding		

Note: other approved seed species may be substituted.



EROSION CONTROL, TUE/TABLE

September 22, 2003

ACCEPTABLE EROSION CONTROL, TUE/TABLE

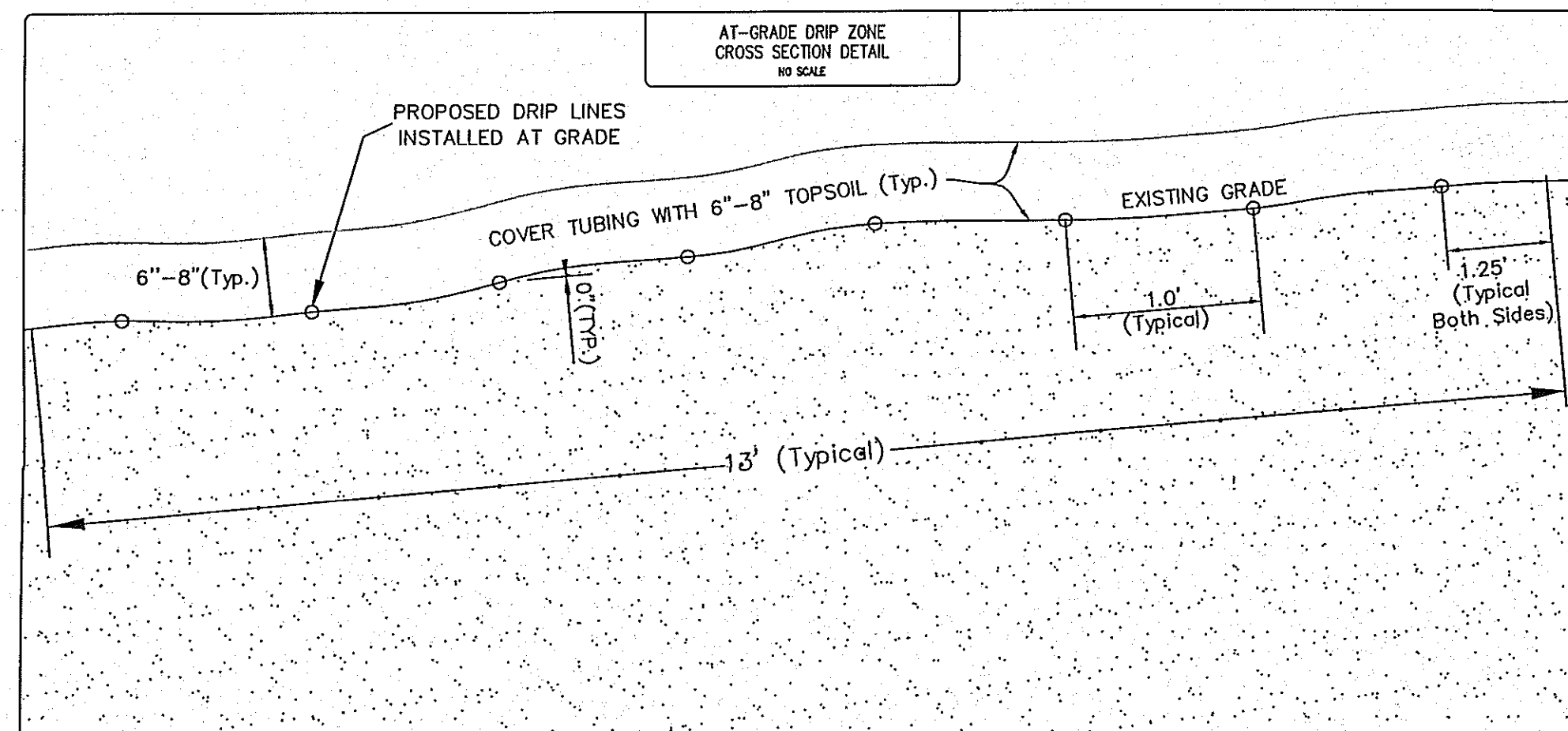
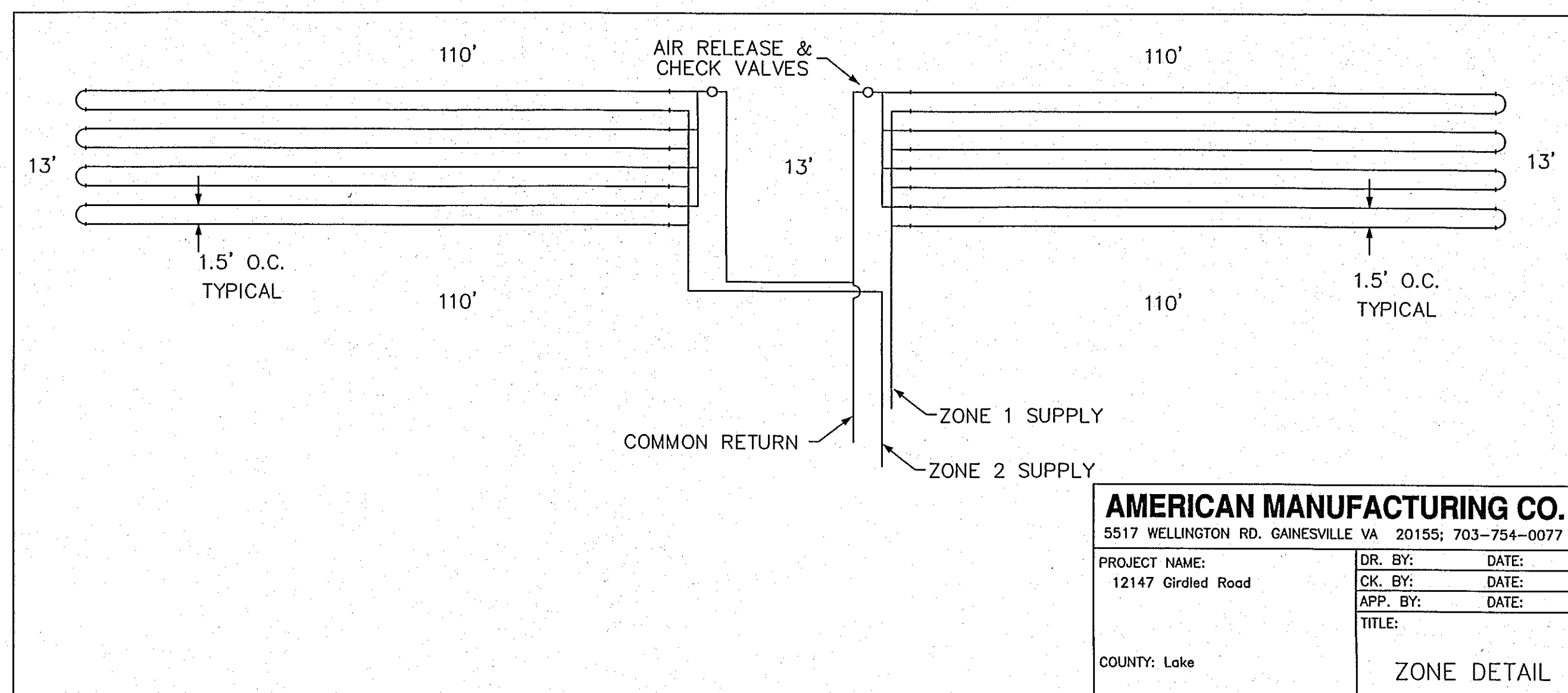
	J	F	M	A	M	J	J	A	S	O	N	D
TRIP - SETTING	*	*	*	*	*	*	*	*	*	*	*	*
TRIP - MONITORING	*	*	*	*	*	*	*	*	*	*	*	*
LOGGING	*	*	*	*	*	*	*	*	*	*	*	*
MAINTENANCE	*	*	*	*	*	*	*	*	*	*	*	*
WINDROWING	*	*	*	*	*	*	*	*	*	*	*	*

**** SEE BIDDING RETAILER FROM MAY 15 - JUL 15 MAY INCLUDE ADDITIONAL WASTING
TO FINANCIAL BIDDING POWER. BIDDING MAY ALSO BE USED TO FINANCIAL BIDDING**

SCHEDULE OF MAJOR CONSTRUCTION OPERATIONS

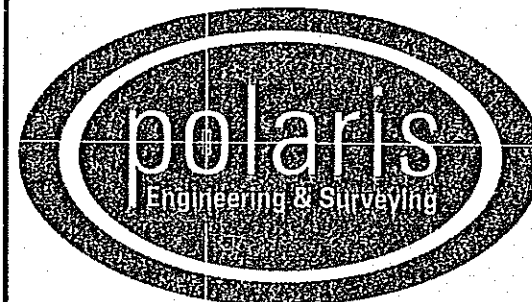
	J	F	M	A	M	J	J	A	S	O	N	D
EROSION CONTROL	*	*	*	*	*	*	*	*	*	*	*	*
TRIP - SETTING	*	*	*	*	*	*	*	*	*	*	*	*
TRIP - MONITORING	*	*	*	*	*	*	*	*	*	*	*	*
LOGGING	*	*	*	*	*	*	*	*	*	*	*	*
MAINTENANCE	*	*	*	*	*	*	*	*	*	*	*	*
WINDROWING	*	*	*	*	*	*	*	*	*	*	*	*
TRIP - SETTING	*	*	*	*	*	*	*	*	*	*	*	*
TRIP - MONITORING	*	*	*	*	*	*	*	*	*	*	*	*
LOGGING	*	*	*	*	*	*	*	*	*	*	*	*
MAINTENANCE	*	*	*	*	*	*	*	*	*	*	*	*
WINDROWING	*	*	*	*	*	*	*	*	*	*	*	*

STORM & FROSTION DETAIL SUPERVISION CONTROL, TUE/TABLE



- DRIP DISTRIBUTION FIELD (DRIP TUBING AT GRADE)

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



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www.polaris-es.com

12147 Girdled Road

Concord Twp. - Lake County - Ohio

CONTRACT No.

06130

SHEET 2	OF 2
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DATE: 07/17/08

SCALE: HOR. NONE

FILENAME:Septic_details.d

