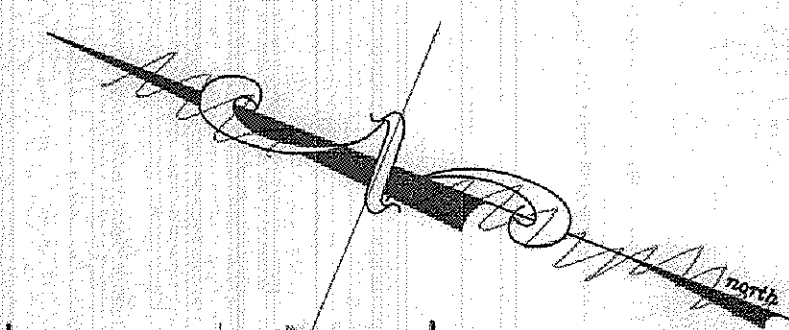
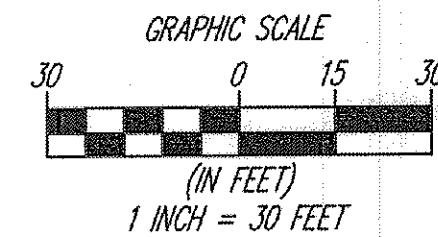
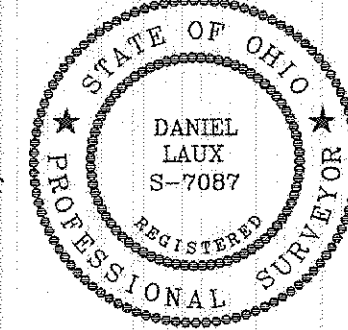


I, THE UNDERSIGNED, HEREBY STATES THAT THIS TOPOGRAPHY, INDICATED BY 6", 1", OR 2" CONTOURS, AND ELEVATIONS SHOWN HEREON, REPRESENT AN ACTUAL FIELD SURVEY MADE BY ME ON THE 23RD DAY OF MAY, 2013, AND THAT THE ELEVATIONS WERE TAKEN AT APPROPRIATE INTERVALS AND THAT AS OF THAT DATE, THEY EXISTED AS INDICATED HEREON.

DANIEL LAUX, P.S. 7087



House Grading Summary

Key:

Gar.Flr.=Garage Floor Elev. @ Garage Door
Top/Wall=Top Of Wall Elevation
Frst.Flr.=First Floor Elevation
Bsmt.Flr.=Basement Floor Elevation
Top/Ftr.=Top Of Footer Elevation

Elevations Used To Establish House Floor Grades:

-Gar.Flr.+1'0"=Top/Wall
-Top/Wall+1'0"=Frst.Flr.
-Top/Wall+8"=Top/Ftr
-Top/Ftr.+4"(0.33')=Bsmt.Flr.
(12 Course Bsmt.)

Temporary Seeding Specifications

Seeding Dates	Species	Lb. / 1000sqft	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.
August 16 to November 1	Tall Fescue	1	40 lb.
	Annual Ryegrass	1	40 lb.
	Wheat	1	40 lb.
	Tall Fescue	1	40 lb.
November 1 to Spring Seeding	Perennial Ryegrass	1	40 lb.
	Tall Fescue	1	40 lb.
	Annual Ryegrass	1	40 lb.
	Use mulch only, sodding practices or dormant seeding		

Note: other approved seed species may be substituted.

SEPTIC DESIGN DATA:

-Linear Loading Rate = 4.3 Gal/Day/Ft
-Infiltration Loading Rate = 0.2 Gal/Day/Ft.Sq'd.
-Perched Seasonal Water Table = 30"
-Bedrock > 38"
-3 Bedroom House = 360 Gal/Day
-Replacement System Shall Be Mound or Drip

NOTE: OPERATION AND MAINTENANCE OF PROPOSED SEPTIC SYSTEM SHALL BE PER MANUFACTURER'S SPECIFICATIONS.

PROPOSED SEPTIC DISTRIBUTION AREA MUST BE STAKED AND FENCED OFF PRIOR TO ANY SITE DISTURBANCE. ANY DISTURBANCE OR DAMAGE TO THE SEPTIC DISTRIBUTION AREA MAY RESULT IN THE INVALIDATION OF THE DESIGN PLAN.

REVIEWED AND ACCEPTED
LAKE COUNTY GENERAL
HEALTH DISTRICT

Stormwater Management Plan
Approved as shown and/or noted
JAMES R. GILLS, P.E.
County Drainage Engineer
By: *L.S.* Date: 6/14/13

Date: 6/14/13
*Copy from
Tying into existing system.*

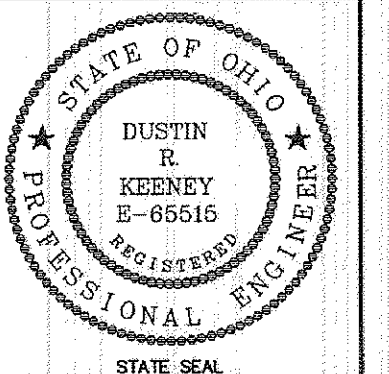
SEWAGE DISPOSAL PERMIT MUST BE OBTAINED BY A LAKE COUNTY LICENSED INSTALLER BEFORE INSTALLATION IS STARTED.

NOTE: HOUSE DIMENSIONS AND FLOOR ELEVATIONS TO BE VERIFIED BY ARCHITECT & BUILDER.

DESIGN CERTIFICATION

THIS PLAN WAS PREPARED BY ME, AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Name: *Dustin R. Keeney* DATE: 6/6/13



CONTRACT No.

13076

DATE: 6/6/13

SCALE: HOR. 1"= 30'

VERT. NA

FOLDER: Site Plan

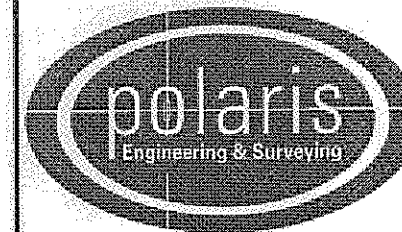
FILENAME: Site Plan

TAB: Site Plan

DRAWN: DER

SHEET OF

1 1



POLARIS ENGINEERING & SURVEYING, INC.
34600 CHARDON ROAD - SUITE D
WILLOUGHBY HILLS, OHIO 44094
(440) 944-4433 (440) 944-3722 (Fax)
www.polaris-es.com

12355 CONCORD HAMB DEN ROAD

SEPTIC SITE PLAN

CONCORD TOWNSHIP-LAKE COUNTY-OHIO

Erosion and Sediment Control Notes

General

Any sediment-laden groundwater encountered during construction shall be treated prior to discharge.

Ingress-Egress

Install Stone Construction Drive to prevent off-site tracking of sediment.

Silt Fence

All silt fence shall be installed prior to any earthwork activities at the site in the locations shown on the site plan.

Temporary Seeding

Disturbed areas of the site that are to remain idle for more than thirty (30) days shall be properly seeded and straw mulched within seven (7) days of completion of initial grading.

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.

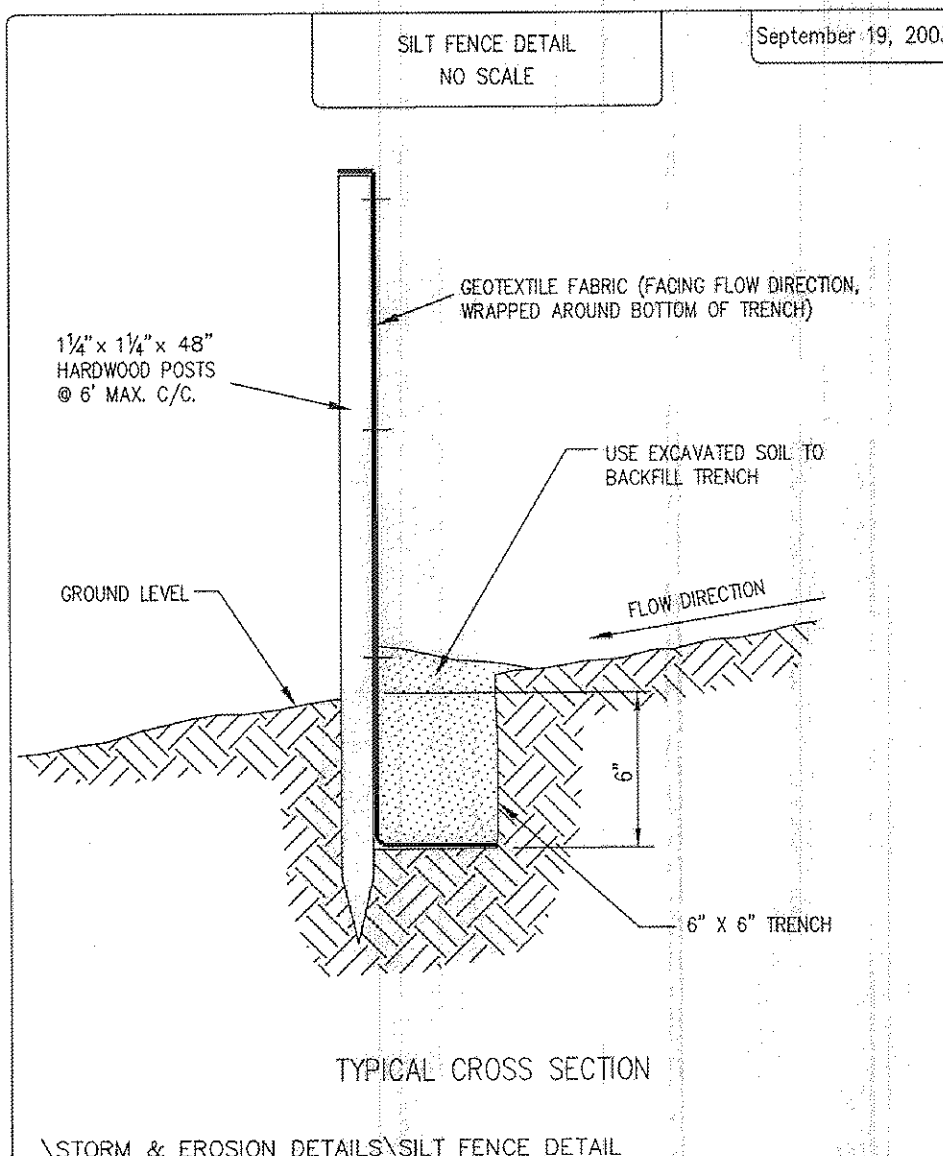
Maintenance

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.

Note:

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.

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.



CONCORD TOWNSHIP ZONING OFFICE

Zoning Permit # 0613-15047

Date Issued: 6/12/13

Subject to Approval By:

☒ Lake Co. Engineer/Storm Water Manager
☒ Lake Co. Utilities Dept.
☒ Lake Co. Soil Conservation District
☒ Lake Co. Health District
☒ Lake Co. Building Dept.

OHIO UTILITIES PROTECTION SERVICE
NON-MEMBERS MUST BE CALLED DIRECT

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.

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