

GRAPHIC SCALE

( IN FEET )  
1 inch = 30 ft.

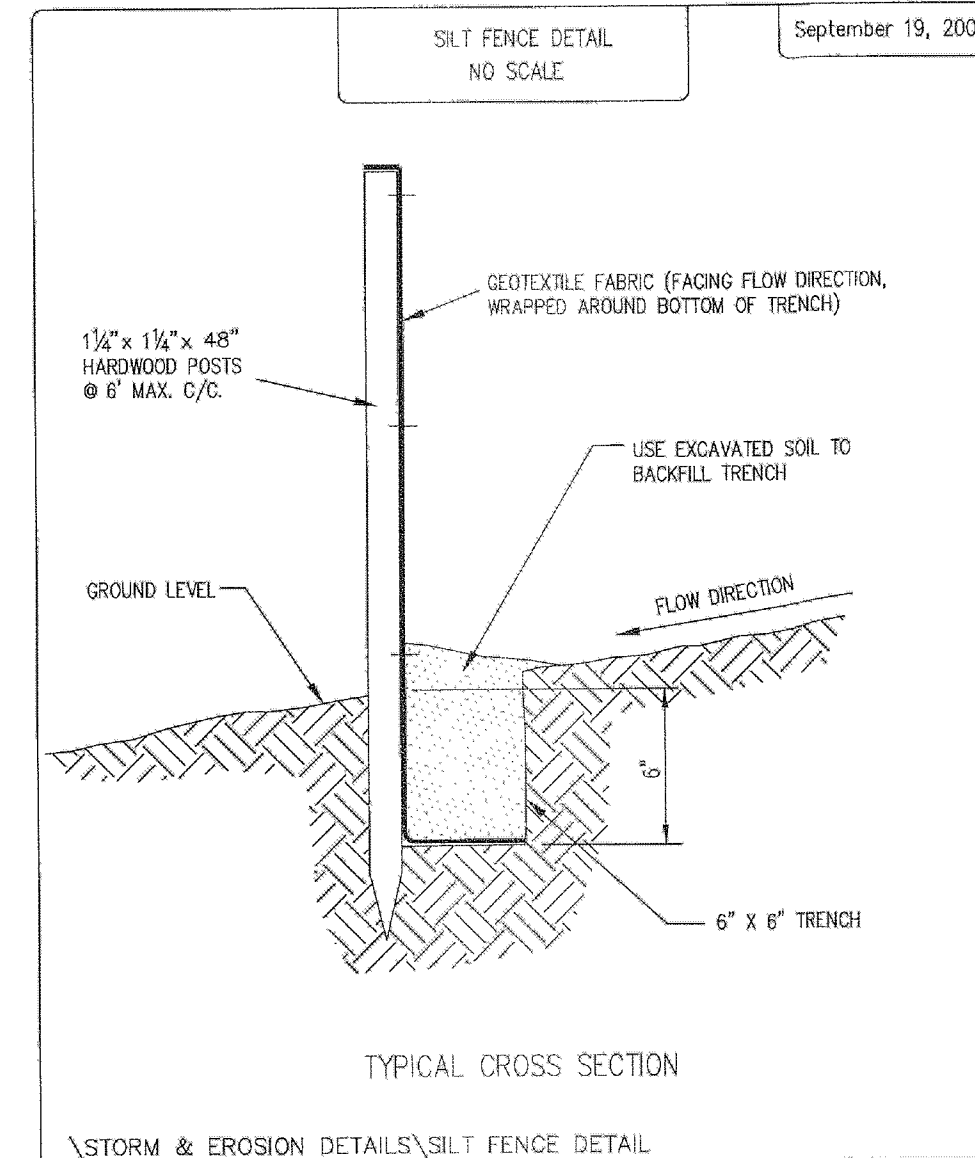
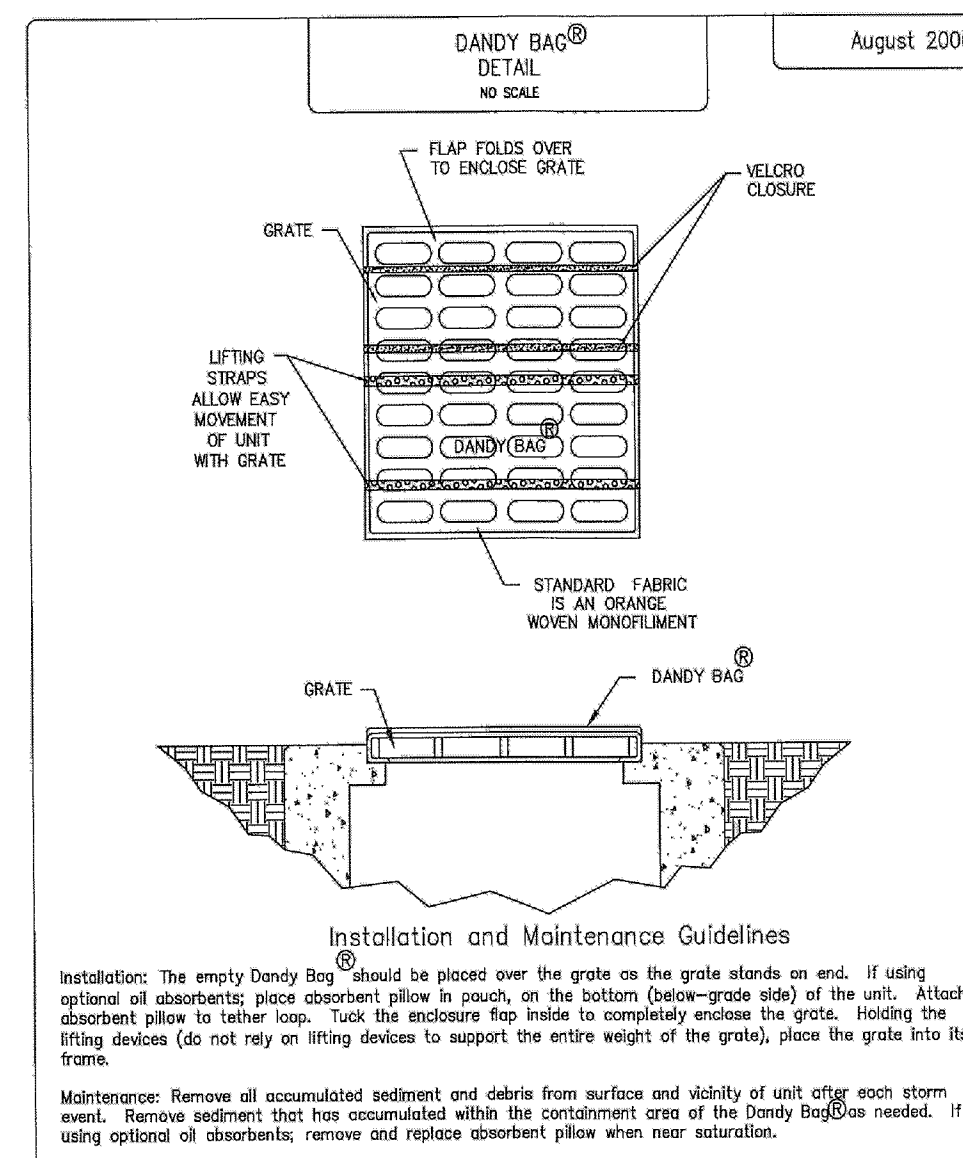
PERMANENT SEEDING SPECIFICATIONS

Seed Mix	lb./ac.	lb. / 1000sqft	Notes:
General Use			
Creeping Red Fescue	20-40	1/2-1	
Domestic Ryegrass	10-20	1/4-1/2	
Kentucky Bluegrass	10-20	1/4-1/2	
Tall Fescue	40	1	
Dwarf Fescue	40	1	
Steep Banks or Cut Slopes			
Tall Fescue	40	1	
Crown Vetch	10	1/4	Do not seed later than August.
Tall Fescue	20	1/2	
Flat Pea	20	1/2	Do not seed later than August.
Tall Fescue	20	1/2	
Road Ditches and Swales			
Tall Fescue	40	1	
Dwarf Fescue	90	2 1/4	
Kentucky Bluegrass	5		
Lawns			
Kentucky Bluegrass	60	1 1/2	
Perennial Ryegrass	60	1 1/2	
Kentucky Bluegrass	60	1 1/2	For Shaded areas.
Creeping Red Fescue	60	1 1/2	

Note: other approved seed species may be substituted.

Mulching

Straw mulch shall be unrotted small-grain straw applied at the rate of 2 tons/ac. or 90 lb./1,000 sq. ft. (two to three bales). The mulch shall be spread uniformly by hand or mechanically so the soil surface is covered. For uniform distribution of hand-spread mulch, divide area into approximately 1,000 sq. ft. sections and spread two 45-lb. bales of straw in each section.



SWP3 LEGEND

- PROPOSED CLEARING/DISTURBANCE LIMITS
- SILT FENCE/EARTH DISTRUBING LIMITS
- INLET PROTECTION
- AREAS REQUIRING TEMPORARY SEEDING
- STONE CONSTRUCTION ENTRANCE
- MISC. BMP (Waste Disposal/Dumpster/Conc. Washout/Fuel Tanks)
- PROPOSED CONTOUR
- EXISTING CONTOUR

SWP3 SITE DESCRIPTION:

CURRENT USE: WOODS/VACANT LOT  
CONSTRUCTION ACTIVITY: RESIDENTIAL HOME  
TOTAL SITE ACREAGE: 1.280 AC.  
DISTURBANCE AREA: 0.784 ACRES  
PRE-DEVELOPMENT PERVIOUS AREA: 1.280 ACRES (100%)  
PRE-DEVELOPMENT IMPERVIOUS AREA: 0 ACRES (0%)  
PRE-DEVELOPMENT CURVE NUMBER: 77  
POST-DEVELOPMENT PERVIOUS AREA: 1.177 ACRES (92%)  
POST-DEVELOPMENT IMPERVIOUS AREA: 0.103 ACRES (8%)  
POST-DEVELOPMENT CURVE NUMBER: 81.4  
FIRST RECEIVING WATER BODY: UNNAMED TRIBUTARY  
SUBSEQUENT RECEIVING WATER BODY: CHAGRIN RIVER  
PREDOMINANT SOIL GROUP: Mahoning Silt Loam (MgA, MgB)  
WATER RESOURCES WITHIN 200': NO

Erosion and Sediment Control Schedule

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

Ingress-Egress  
A stone access drive complete with under lying geo-textilefabric (20 feet wide and 50 feet long) for ingress and egress at the site shall be installed if there is not already an existing access drive. 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 thirty (30) 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.

Mulching  
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.

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.

SEPTIC DESIGN DATA:  
-Linear Loading Rate = 3.5 Gal/Day/Ft  
-Infiltration Loading Rate = 0.6 Gal/Day/Ft.Sq'd.  
-Perched Seasonal Water Table 27"  
-Bedrock >46"  
-4 Bedroom House = 480 Gal/Day  
-(See Mound Calculations For Additional Information)

House Grading Summary

Elevations Used To Establish House Floor Grades:  
-Gar.Flr.+1'0"=Top/Wall  
-Top/Wall+1'0"=Frt.Flr.  
-Top/Wall+8'8"=Top/Ftr. (13 Course Bamt Wall)  
-Top/Ftr.+4'0.33"=Bamt.Flr.

NOTES:  
-DOWNSPOUTS AND SUMP PUMP TO BE PIPED TO EXISTING CATCH BASIN  
-GRINDER PUMP REQUIRED FOR BASEMENT PLUMBING

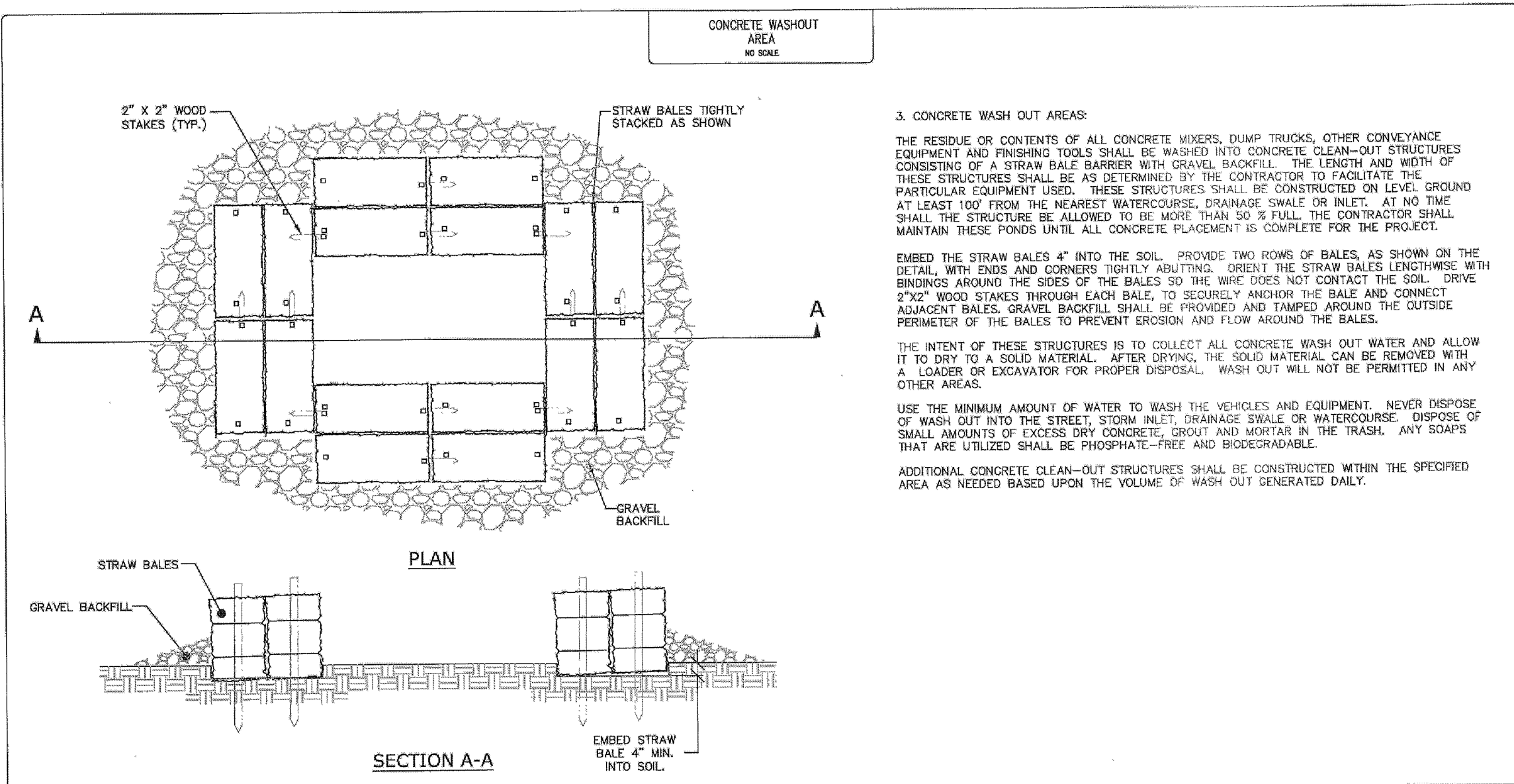
EXISTING UNDERGROUND UTILITIES NOTE:  
THE SIZE AND LOCATION, BOTH HORIZONTAL AND VERTICAL OF THE UNDERGROUND UTILITIES SHOWN HEREON, HAVE BEEN OBTAINED BY A SEARCH OF AVAILABLE RECORDS. VERIFICATION BY FIELD OBSERVATION HAS BEEN CONDUCTED WHERE PRACTICAL. HOWEVER, POLARIS ENGINEERING & SURVEYING, INC. DOES NOT GUARANTEE THE COMPLETENESS NOR ACCURACY THEREOF.

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

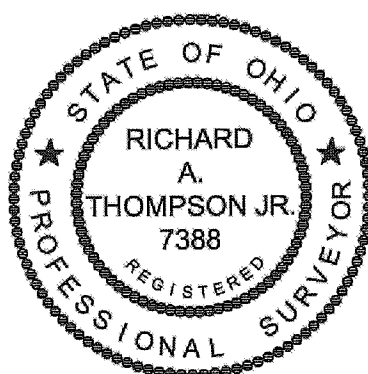
Temporary Seeding Specifications

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.
	Tall Fescue	1	40 lb.
August 16 to November 1	Rye	2	2 bushel
	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.
	Wheat	1	40 lb.
	Tall Fescue	1	40 lb.

Note: other approved seed species may be substituted.



2 WORKING DAYS BEFORE YOU DIG  
CALL 8-1-1  
OHIO UTILITIES PROTECTION SERVICE  
NON-MEMBERS MUST BE CALLED DIRECT

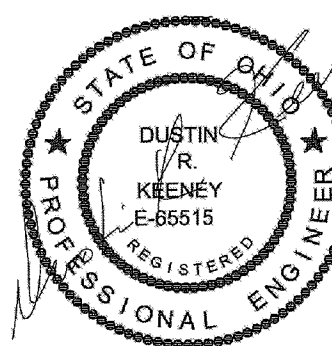


TOPOGRAPHIC CERTIFICATION:  
I, the undersigned, hereby certify that this topography, indicated by 1' contours, and elevations shown hereon, represent an actual field survey made by me on the 13th day of March, 2014, and that the elevations were taken at appropriate intervals and that as of that date they exist as indicated hereon.

RICHARD A. THOMPSON, JR., P.S. #7388

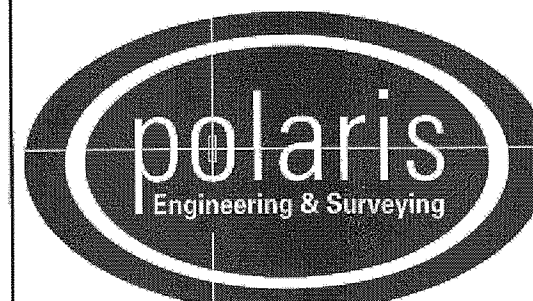
REV. No.	DATE	BY	CHK'D
1	4-11-14	DRW	

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



DATE: 3/25/14  
SCALE: HOR. 1"= 30' VERT.  
FILENAME: SITE PLAN-S/L 6  
TAB: SITEPLAN  
COMPUTER:  
DRAWN BY: DRW

ALPENROSE SUBDIVISION  
Lot 3 - Tract 2  
City of Kirtland - Lake County - Ohio



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WILLOUGHBY HILLS, OHIO 44094  
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www.polaris-es.com

SUBLOT 6

CONTRACT No.	
14023	
SHEET	OF
01	02