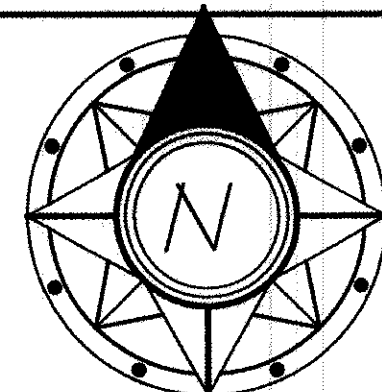
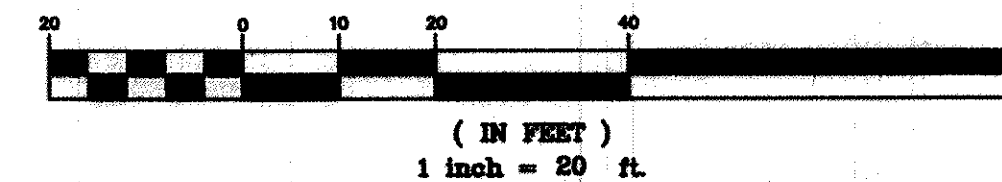


Approved
File # 10941083
Date 4-11-12
Lake SWCD



GRAPHIC SCALE



SWP3 LEGEND

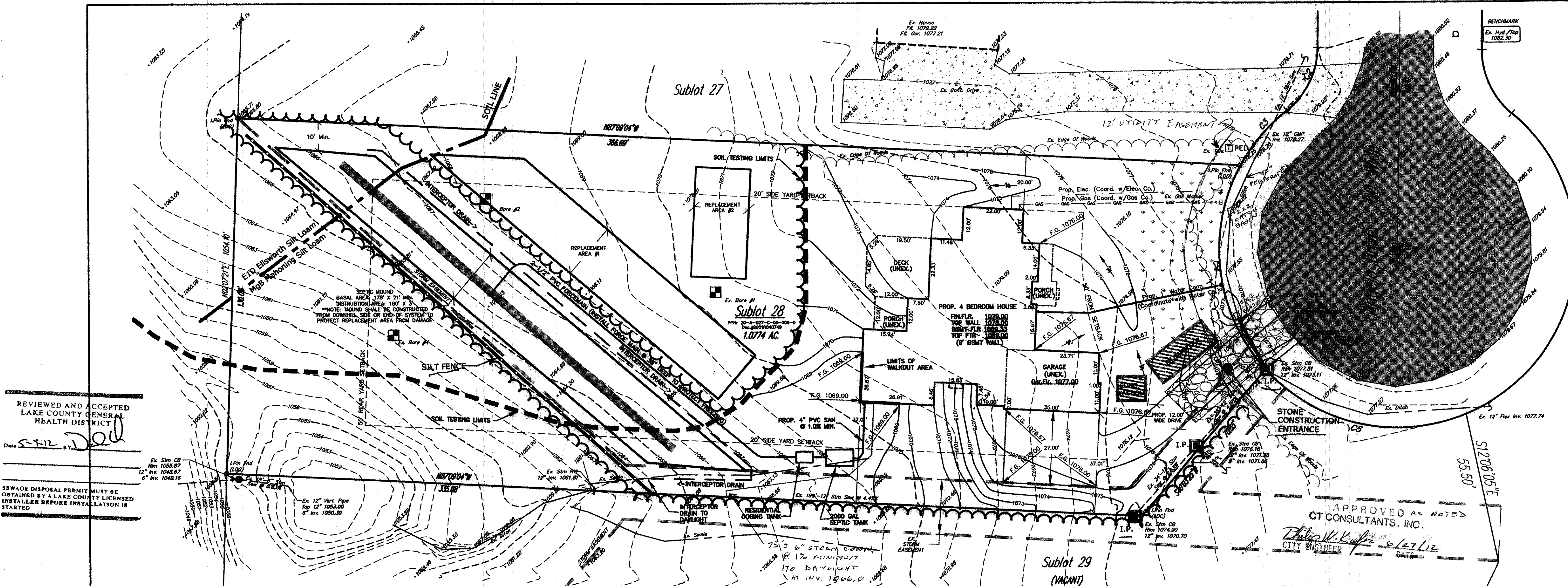
- CLEARING/DISTURBANCE LIMITS
- SILT FENCE/EARTH DISTURBING LIMITS
- INLET PROTECTION
- AREAS REQUIRING TEMPORARY SEEDING
- STONE CONSTRUCTION ENTRANCE
- MISC. BMP (Wash Disposal/Dumpster/Conn. Washout/Fluid Tanks)
- PROPOSED CONTOUR
- EXISTING CONTOUR

SWP3 SITE DESCRIPTION:

CURRENT USE: WOODS/VACANT LOT
CONSTRUCTION ACTIVITY: RESIDENTIAL HOME
TOTAL SITE ACREAGE: 1.08 AC.
DISTURBANCE AREA: 0.84 ACRES
PRE-DEVELOPMENT PERVIOUS AREA: 1.08 ACRES (100%)
PRE-DEVELOPMENT IMPERVIOUS AREA: 0 ACRES (0%)
PRE-DEVELOPMENT CURVE NUMBER: 78
POST-DEVELOPMENT PERVIOUS AREA: 0.93 ACRES (86%)
POST-DEVELOPMENT IMPERVIOUS AREA: 0.15 ACRES (14%)
POST-DEVELOPMENT CURVE NUMBER: 81
FIRST RECEIVING WATER BODY: UNNAMED TRIBUTARY
SUBSEQUENT RECEIVING WATER BODY: MAHONING RIVER
PREDOMINANT SOIL GROUP: Mahoning Silt Loam (MgB)
Elsworth Silt Loam (E1C)
NO
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-textile fabric (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.



REVIEWED AND ACCEPTED
LAKE COUNTY GENERAL
HEALTH DISTRICT
Date 4-11-12 BY: [Signature]
SEWAGE DISPOSAL PERMIT MUST BE
OBTAINED BY A LAKE COUNTY LICENSED
INSTALLER BEFORE INSTALLATION IS
STARTED.

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 2ND DAY OF APRIL, 2012, 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.

DANIEL LAUX, P.S. 7087



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		
Dwarf Fescue	40		
Steep Banks or Cut Slopes			
Tall Fescue	40	1/4	Do not seed later than August.
Crown Vetch	10	1/2	
Tall Fescue	20	1/2	Do not seed later than August.
Flat Pea	20	1/2	
Tall Fescue	20		
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.

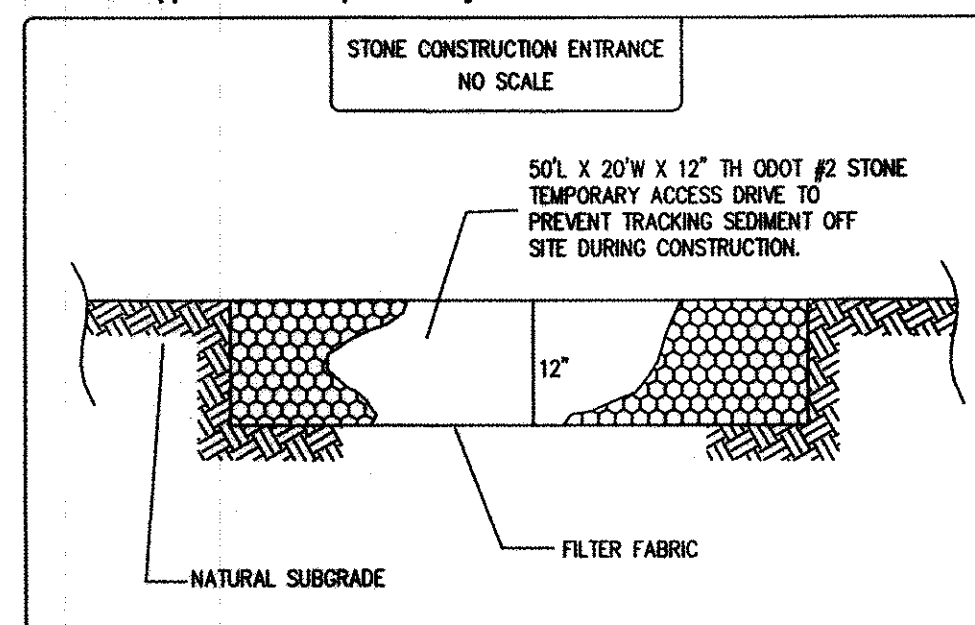
Mulching

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.

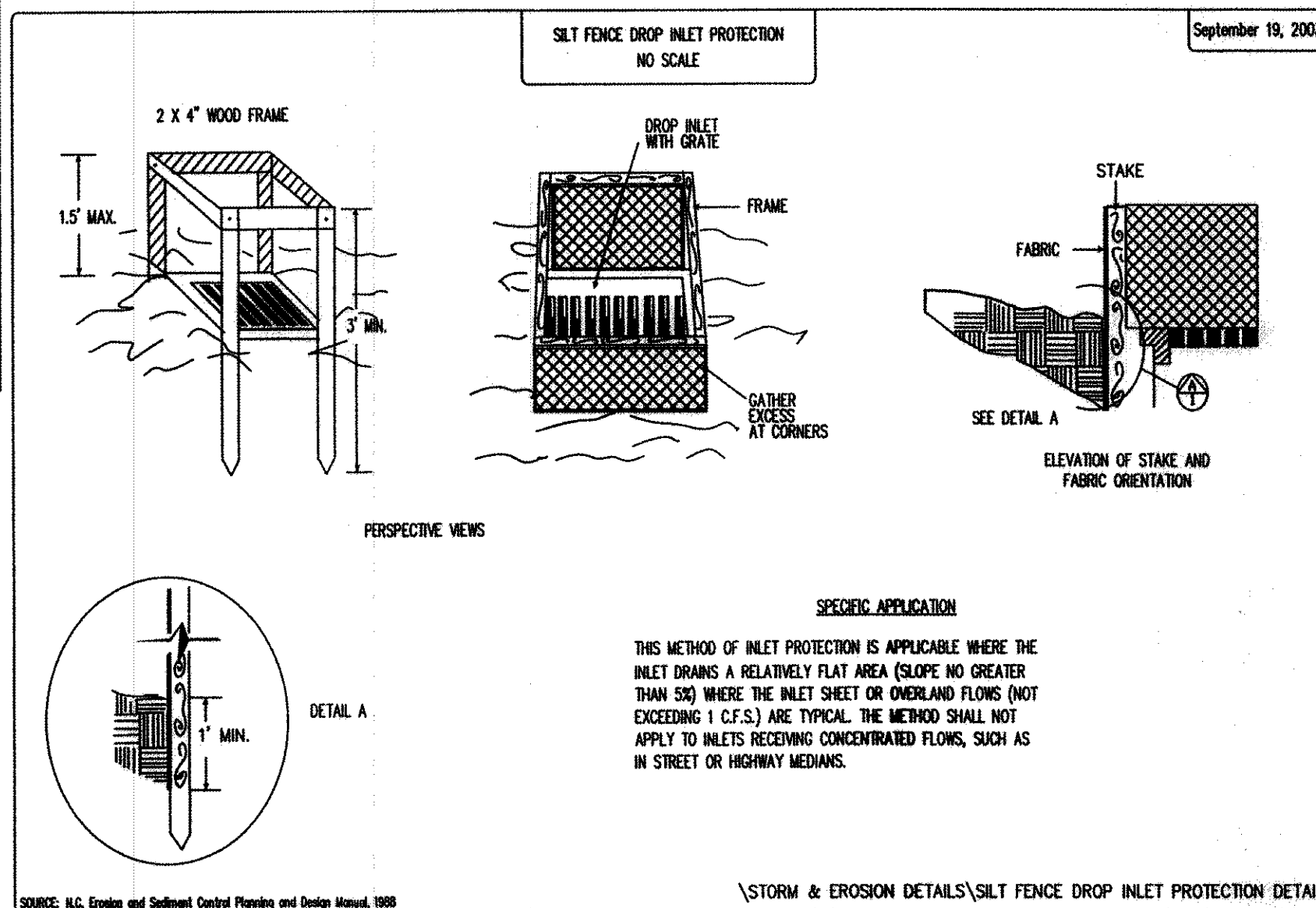
Temporary Seeding Specifications

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	Rye	1	2 bushel
	Tall Fescue	1	40 lb.
	Annual Ryegrass	1	40 lb.
	Perennial Ryegrass	1	40 lb.
November 1 to Spring Seeding	Wheat	1	40 lb.
	Tall Fescue	1	40 lb.
	Annual Ryegrass	1	40 lb.
	Perennial Ryegrass	1	40 lb.

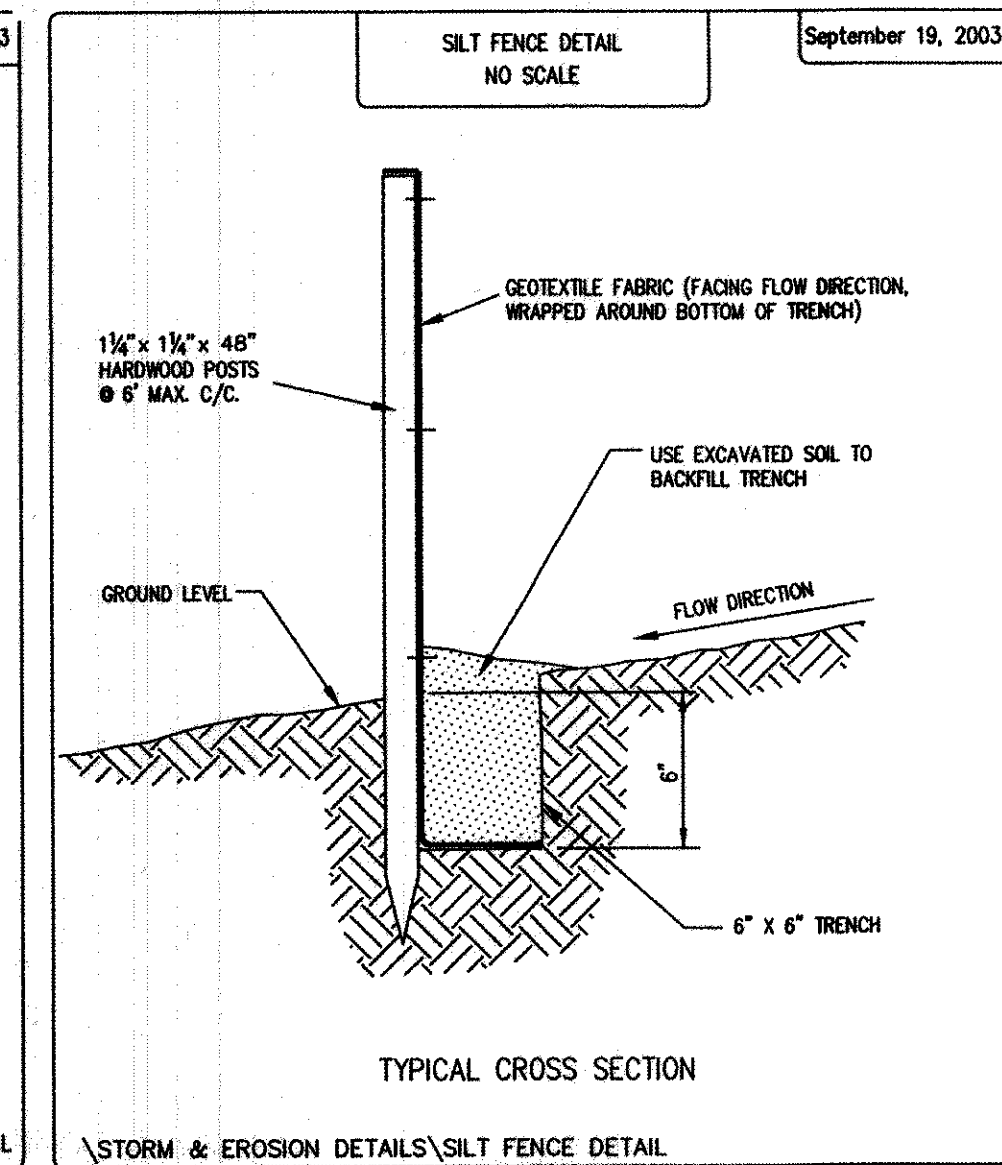
Note: other approved seed species may be substituted.



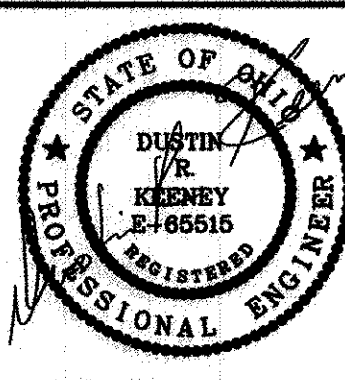
2 WORKING DAYS
BEFORE YOU DIG
CALL 8-1-1
OHIO UTILITIES PROTECTION SERVICE
NON-MEMBERS MUST BE CALLED DIRECT



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.

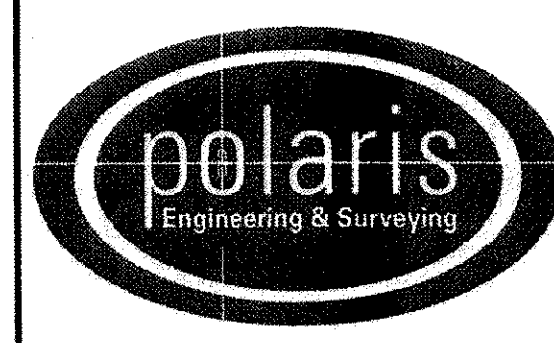


REV. No.	DATE	BY	CHK'D



DATE: 4/30/12
SCALE: HOR. 1"=20'
VERT. 1"=NA
FOLDER: Site Plan
FILENAME: Site Plan
TAB: Site Plan
DRAWN: JCK

SUBLOT 28
GREENBRIER ESTATES NO. 2
10898 ANGELA DRIVE
CITY OF KIRTLAND-LAKE COUNTY-OHIO



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

SITE PLAN		CONTRACT No.	
12039		12039	
PREPARED FOR: ETHAN & LIZ KUCZKOWSKI PH: (440) 796-2092		SHEET	OF
1		2	

Stormwater Management Plan
Approved as shown and/or noted
JAMES R. GILLS, P.E.
County Drainage Engineer
By 2.5 Date 7/6/2012