

# Erosion and Sediment Control Schedule

**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.

**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" 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.

## EROSION CONTROL TIMETABLE

September 22, 2003

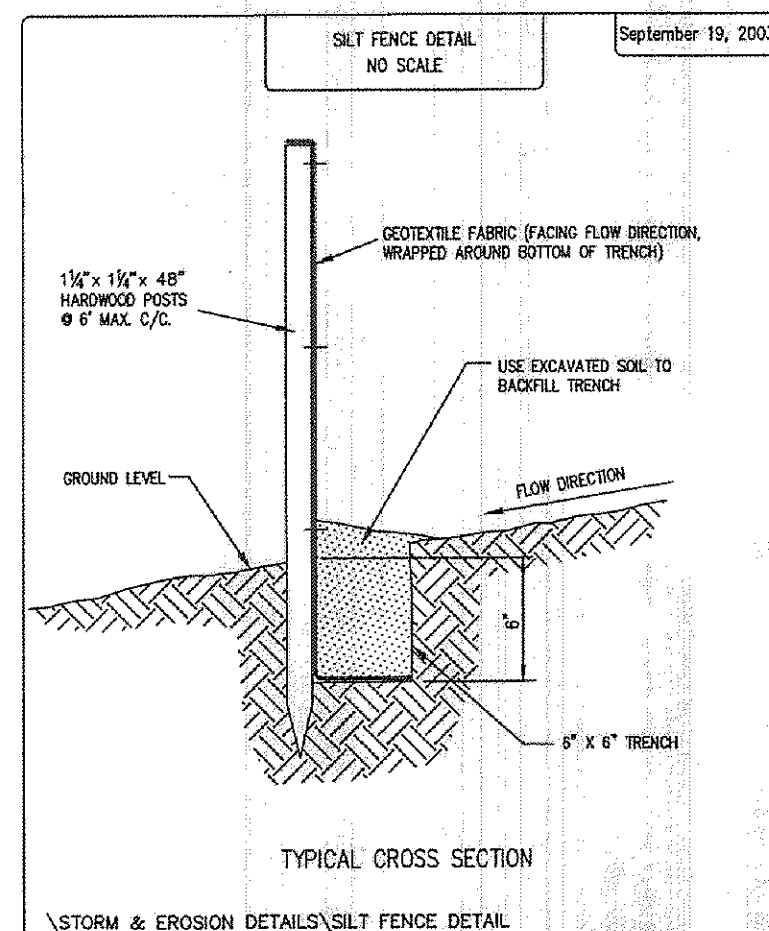
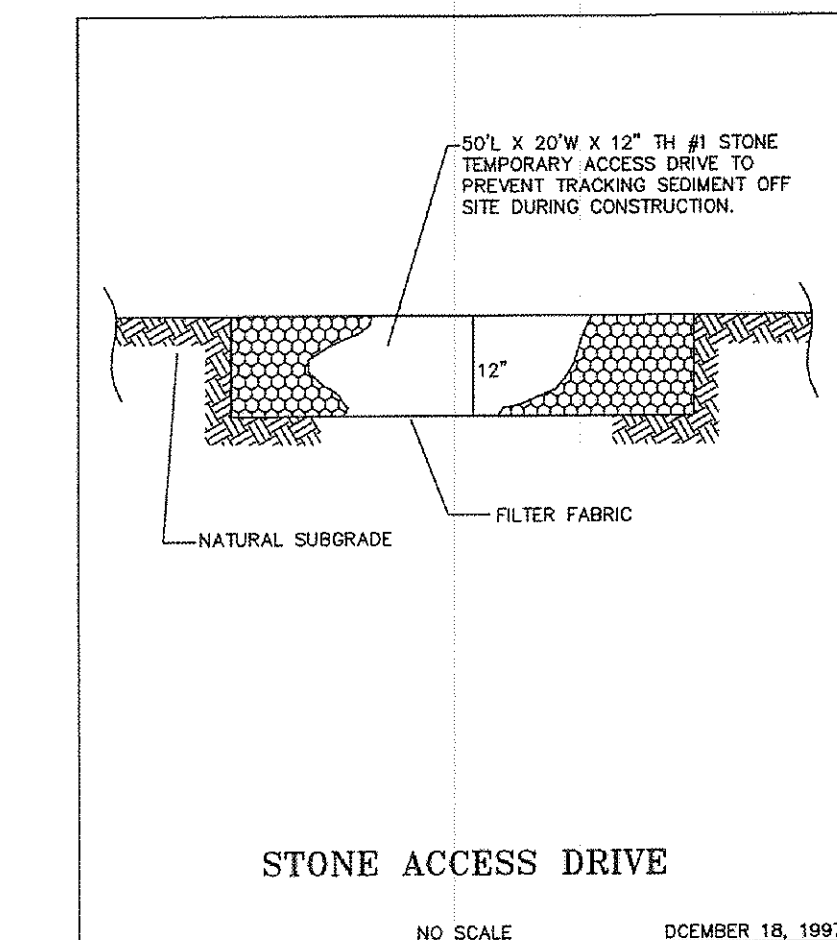
ACCEPTABLE EROSION CONTROL TIMETABLE	J	F	M	A	M	J	J	A	S	O	N	D
TEMP. SEEDING						*	*	*	*	*	*	*
PERM. SEEDING						*	*	*	*	*	*	*
LANDSCAPING						*	*	*	*	*	*	*
MULCHING						*	*	*	*	*	*	*
MAINTENANCE						*	*	*	*	*	*	*

\*\* SEEDING INSTALLED FROM MAY 15 - AUG. 15 WILL REQUIRE ADDITIONAL WATERING TO PROMOTE SEED GROWTH. MULCH MAY ALSO BE USED TO HOLD MOISTURE.

## SCHEDULE OF MAJOR CONSTRUCTION OPERATIONS

	J	F	M	A	M	J	J	A	S	O	N	D
CLEARING												
PROP. GRADING												
TEMP. EROSION CONTROL	*	*	*	*	*	*	*	*	*	*	*	*
STORMWATER COLLECTION POND												
UTILITIES												
PROP. GRADING												
PAVING												
LANDSCAPING												
TEMP. EROSION CONTROL MAINTENANCE	*	*	*	*	*	*	*	*	*	*	*	*

STORM & EROSION DETAILS\EROSION CONTROL TIMETABLE



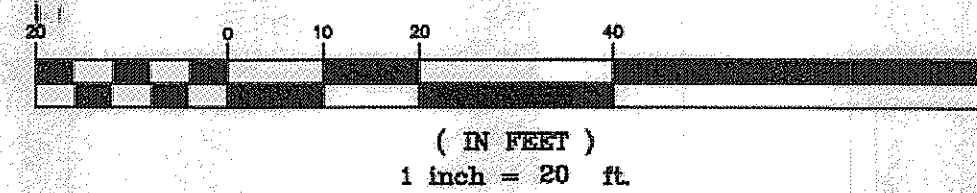
## PERMANENT SEEDING SPECIFICATIONS

Seed Mix	lb./ac.	lb. / 1000sqft	Notes
General Use			
Crested Red Fescue	20-40	1/2-1	
Domestic Ryegrass	10-20	1/4-1/2	
Kentucky Bluegrass	10-20	1/4-1/2	
Dwarf Fescue	40		
Steep Banks or Out 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	80	1 1/2	
Perennial Ryegrass	80	1 1/2	
Kentucky Bluegrass	80	1 1/2	For Shaded areas.
Crested Red Fescue	80	1/2	

Note: other approved seed species may be substituted.

**Mulchings**  
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.

## GRAPHIC SCALE



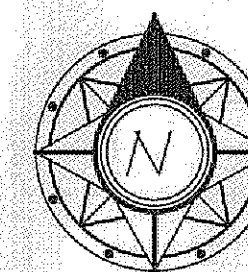
## House Summary

-See Architect Plans For Complete House Dimensions.  
-Utility Connections Per Plan; Contractor To Verify Location And Depth Of All Laterals.  
-House Downspouts and Sump Pump Discharge to be tied into Storm Connection.

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

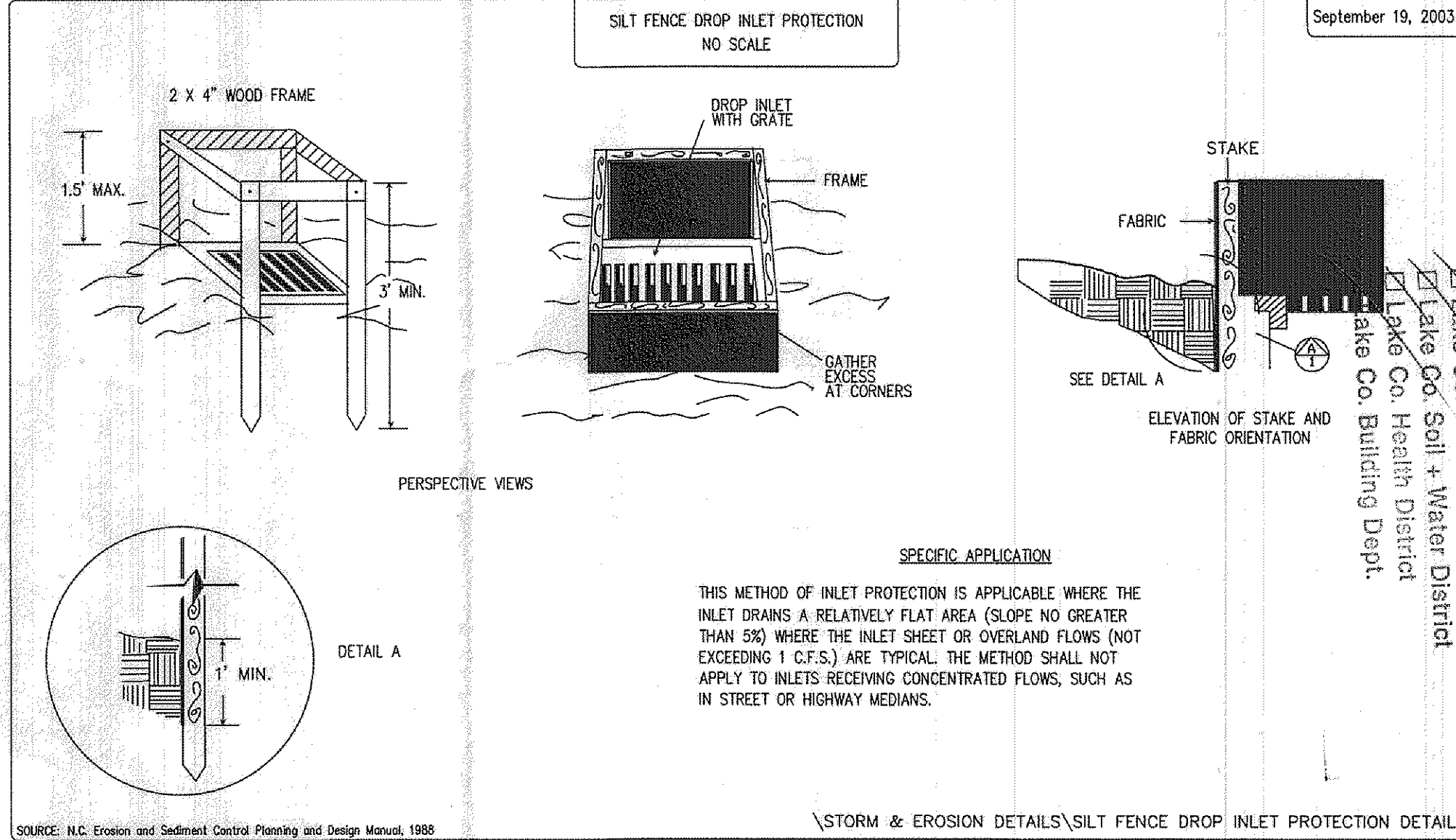
ESTIMATED IMPERVIOUS AREA  
HOUSE: 0.05 Ac.  
DRIVE: 0.06 Ac.  
TOTAL: 0.11 Ac.

Note:  
The following dimensions were used to establish proposed floor elevations:  
Garage Floor + 1' = Top of Block  
Top of Block + 1'-0" = First Floor  
Top of Block - 9'-0" = Top Footer  
Top of Footer + 4" = Basement Floor (9' Basement)



Prepared For:  
JEMM Construction, LLC  
200 Blackbrook Road  
Painesville, Ohio 44077  
Ph: 440-358-0008

SHEET OF  
1 1

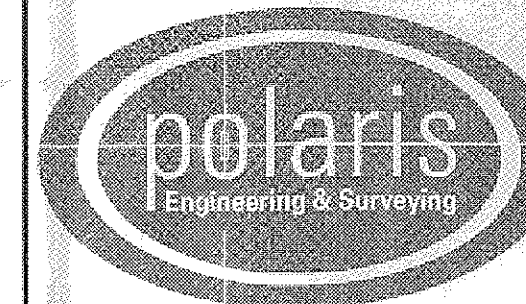


EXISTING UNDERGROUND UTILITIES NOTE:  
THE SIZE AND LOCATION, BOTH HORIZONTAL AND VERTICAL OF THE UNDERGROUND UTILITIES SHOWN HEREON, HAVE BEEN OBTAINED BY A SEARCH OF AVAILABLE RECORDS. VERIFICATION BY FIELD OBSERVATION HAS BEEN CONDUCTED WHERE PRACTICAL. HOWEVER, POLARIS ENGINEERING & SURVEYING, INC.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

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

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS TOPOGRAPHY, INDICATED BY 6", 1", OR 2" CONTOURS, AND ELEVATIONS SHOWN HEREON, REPRESENT AN ACTUAL FIELD SURVEY MADE BY ME ON THE 15th DAY OF NOVEMBER, 2012, 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



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

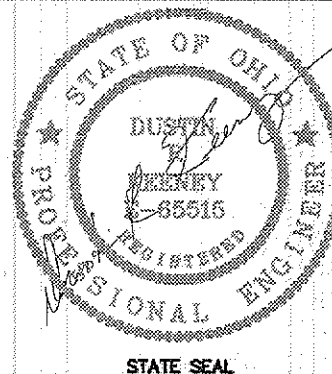
## DESIGN CERTIFICATION

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

NAME: Daniel Laux DATE: 11/6/12

## BENCHMARK:

B.M. = T.B.M Set On Top Of Hydrant  
Located As Noted  
Elevation 947.12



## "AS-BUILT" CERTIFICATION

I HEREBY CERTIFY THAT THE CIRCLED INFORMATION IS EXISTING AS OBTAINED ON THE SITE AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

NAME: \_\_\_\_\_

**SUBLOT 97  
MALACHITE COURT  
THE NATURE PRESERVE NORTH  
SUBDIVISION No. 3**

CITY OF KIRTLAND-LAKE COUNTY-OHIO

## CONTRACT No.

12146

DATE: 11/6/12

SCALE: HOR. 1"=20'

VERT.

FILENAME: Site Plan.dwg

TAB: Site Plan

DRAWN: JCK

FIELD: M.P.S.

CONCORD TOWNSHIP

Stormwater Management Plan  
Approved as shown at: James R. Gills, Jr.  
County Drainage Engineer  
By L.S. Date 11/21/12