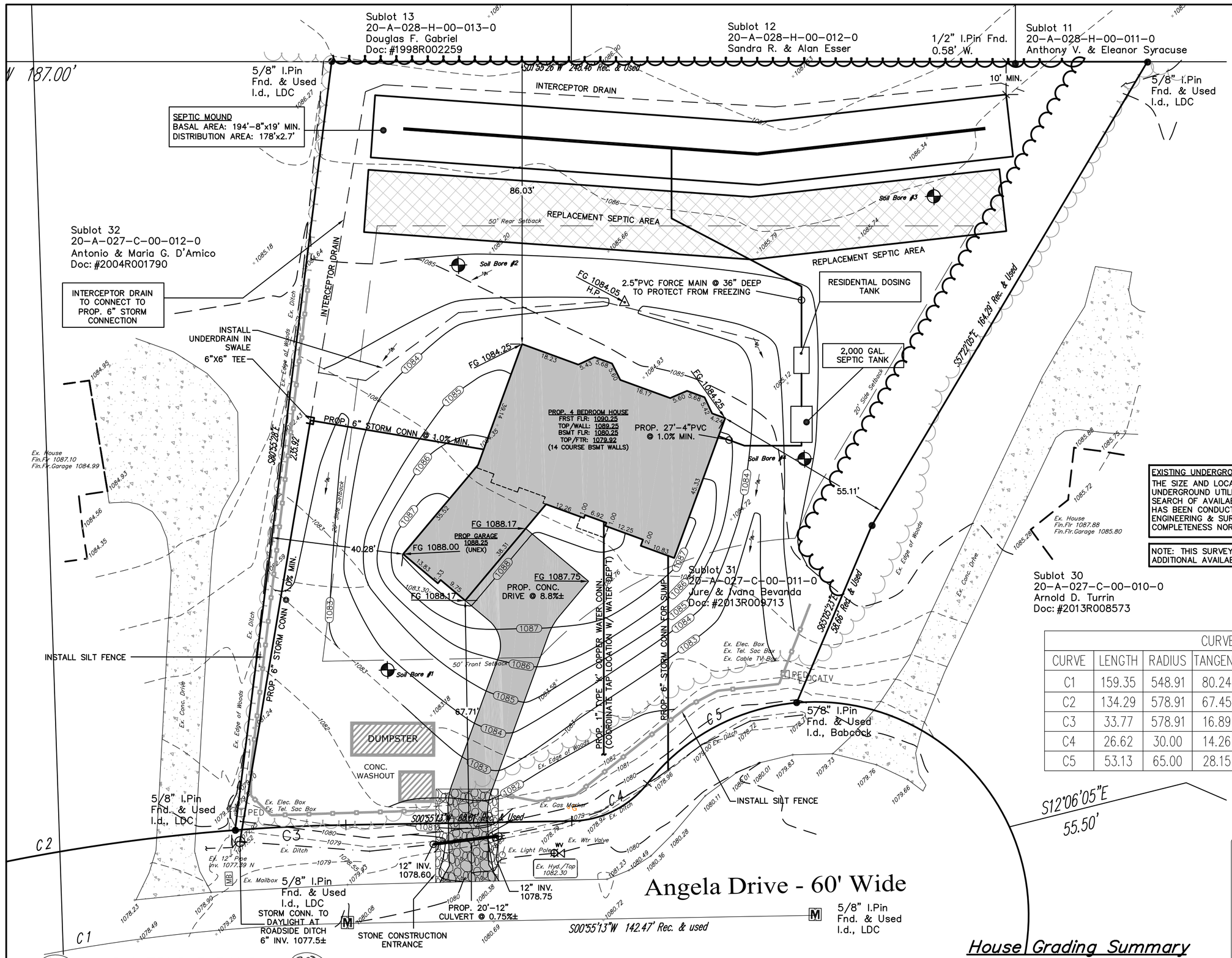


2 WORKING DAYS
BEFORE YOU DIG
CALL 8-1-1
OHIO UTILITIES PROTECTION SERVICE
NON-MEMBERS MUST BE CALLED DIRECT

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.

STATE OF OHIO · DANIEL LAUX · S-7087 · REGISTERED · PROFESSIONAL SURVEYOR

DANIEL LAUX, P.S. 7087

Temporary Seeding Specifications

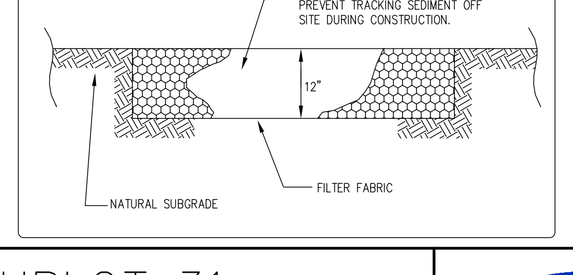
Seeding Dates	Species	Lb. / 1000sqft	Per Acre
March 1 to August 15	Oats Tall Fescue Annual Ryegrass Perennial Ryegrass Tall Fescue Annual Ryegrass	3 1 1 1 1 1	4 bushel 40 lb. 40 lb. 40 lb. 40 lb. 40 lb.
August 16 to November 1	Rye Tall Fescue Annual Ryegrass Wheat Tall Fescue Annual Ryegrass Perennial Ryegrass Tall Fescue Annual Ryegrass	1 1 1 1 1 1 1 1 1	2 bushel 40 lb. 40 lb. 40 lb. 40 lb. 40 lb. 40 lb. 40 lb. 40 lb.
November 1 to Spring Seeding	Use mulch only, sodding practices or dormant seeding		

Note: other approved seed species may be substituted.

House Grading Summary

Elevations Used To Establish
House Floor Grades:
-Gar.Flr.+1'0"=Top/Wall
-Top/Wall+1'0"=Frst.Flr.
-Top/Wall-9'4"(9.33')=Top/Ftr. (14 Course Bsmt Wall)
-Top/Ftr.+4"(0.33')=Bsmt.Flr.

STONE CONSTRUCTION ENTRANCE
NO SCALE



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.

CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
C1	159.35	548.91	80.24	158.79	N07°23'47"W	16°38'00"
C2	134.29	578.91	67.45	133.99	N09°04'03"W	13°17'29"
C3	33.77	578.91	16.89	33.76	N00°45'03"W	3°20'31"
C4	26.62	30.00	14.26	25.75	S24°29'47"E	50°50'00"
C5	53.13	65.00	28.15	51.66	N26°29'51"W	46°49'52"

PERMANENT SEEDING SPECIFICATIONS

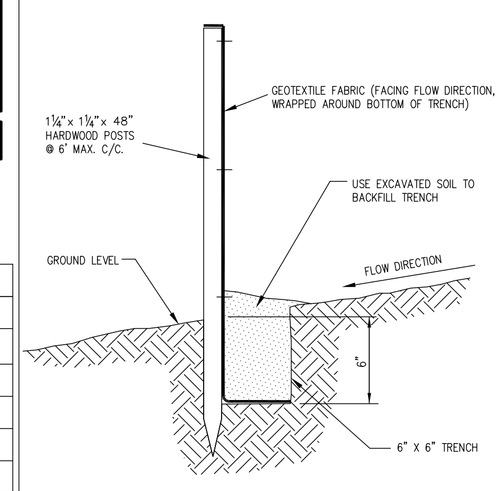
Seed Mix	lb./ac.	lb. / 1000sqft	Notes:
General Use			
Creeping Red Fescue	20-40	1/2-1	
Domestic Ryegrass	10-20	1/4-1/2	
Kentucky Bluegrass	10-20	1/4-1/2	
Tall Fescue	40	1	
Dwarf Fescue	40	1	
Steep Banks or Cut Slopes			
Tall Fescue	40	1	
Crown Vetch	10	1/4	Do not seed later than August.
Tall Fescue	20	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.

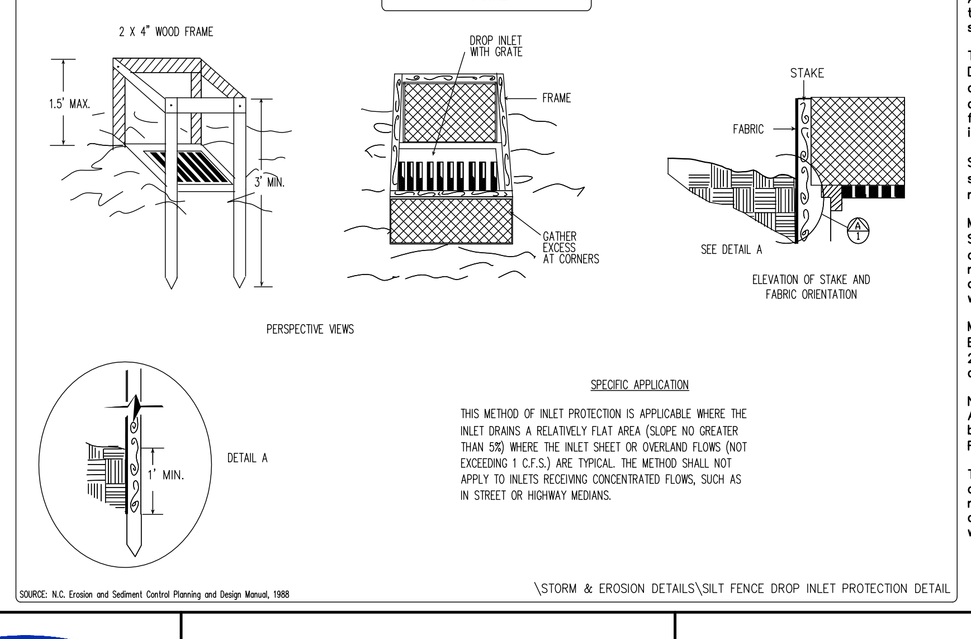
SILT FENCE DETAIL
NO SCALE
September 19, 2003



TYPICAL CROSS SECTION

\STORM & EROSION DETAILS\SILT FENCE DETAIL

SILT FENCE DROP INLET PROTECTION
NO SCALE
September 19, 2003



SPECIFIC APPLICATION

THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (SLOPE NO GREATER THAN 5%) WHERE THE INLET SHEET OR OVERLAND FLOWS (NOT EXCEEDING 1 C.F.S.) ARE TYPICAL. THE METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS, SUCH AS IN STREET OR HIGHWAY MEDIANS.

SOURCE: N.C. Erosion and Sediment Control Planning and Design Manual, 1988

\STORM & EROSION DETAILS\SILT FENCE DROP INLET PROTECTION DETAIL

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

NOTE: DRAWING SCALE WILL BE 1" = 40' IF PLOTTED AT HALF SCALE ON 11" X 17" PAPER.

SWP3 LEGEND

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

SWP3 SITE DESCRIPTION:

CURRENT USE:	WOODS/VACANT LOT
CONSTRUCTION ACTIVITY:	RESIDENTIAL HOME
TOTAL SITE ACREAGE:	1.03 AC.
DISTURBANCE AREA:	0.94 ACRES
PRE-DEVELOPEMENT PERVIOUS AREA:	1.03 ACRES (100%)
PRE-DEVELOPEMENT IMPERVIOUS AREA:	0 ACRES (0%)
PRE-DEVELOPMENT CURVE NUMBER:	77
POST-DEVELOPMENT PERVIOUS AREA:	0.91 ACRES (88%)
POST-DEVELOPMENT IMPERVIOUS AREA:	0.12 ACRES (12%)
POST-DEVELOPMENT CURVE NUMBER:	84
FIRST RECEIVING WATER BODY:	UNNAMED TRIBUTARY
SUBSEQUENT RECEIVING WATER BODY:	MAHONING RIVER
PREDOMINANT SOIL GROUP:	Mahoning Silt Loam (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.

REV. No.		DATE	BY	CH'K'D

STATE OF OHIO · DUSTIN R. KEENEY · E-65515 · REGISTERED · PROFESSIONAL ENGINEER

DATE: 9/27/13
SCALE: HOR. 1"=20'
VERT. 1"=NA
FOLDER: Site Plan
FILENAME: Site Plan
TAB: Site Plan
DRAWN: DER

SUBLOT 31
GREENBRIER ESTATES NO. 2
10889 ANGELA DRIVE
CITY OF KIRTLAND-LAKE COUNTY-OHIO

polaris Engineering & Surveying

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

PREPARED FOR:
JURE & IVANA BEVANDA

CONTRACT No.
13099

SHEET	OF
1	2