

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

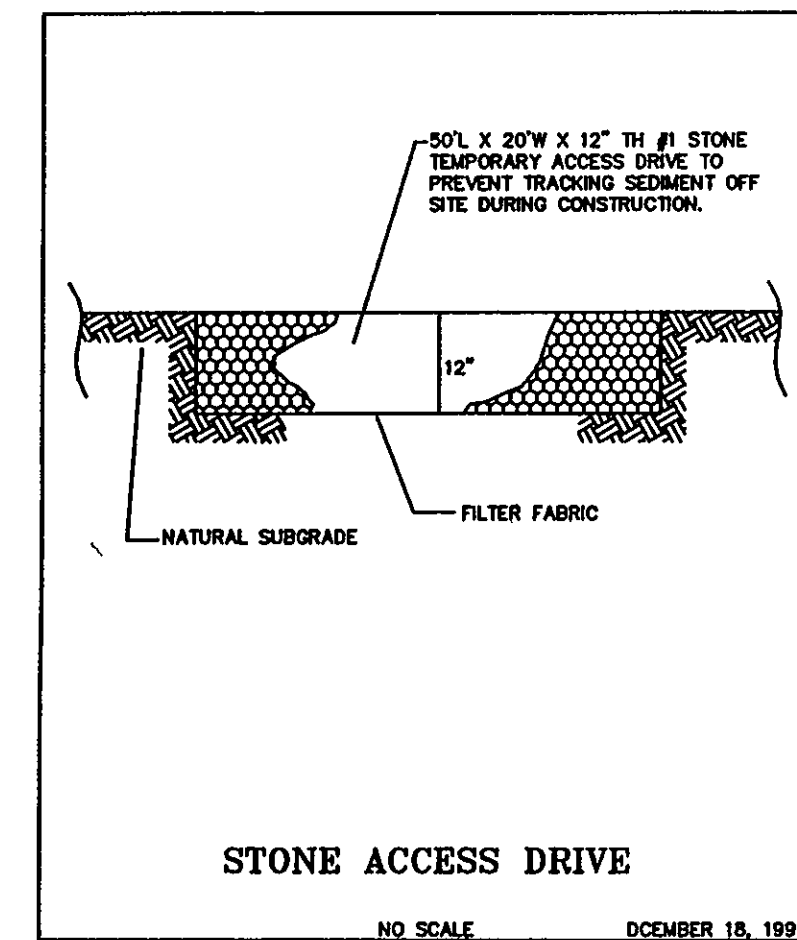
Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Site Preparation												
Foundation												
Roofing												
Mechanical												
Electrical												
Plumbing												
Interior Finishing												
Exterior Finishing												
Landscaping												
Final Inspection												

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

SCHEDULE OF MAJOR CONSTRUCTION OPERATIONS

Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Site Preparation												
Foundation												
Roofing												
Mechanical												
Electrical												
Plumbing												
Interior Finishing												
Exterior Finishing												
Landscaping												
Final Inspection												

STORM & EROSION DETAILS/EROSION CONTROL TIMETABLE



Lake Erie

LAKE ERIE SUBMERGED LAND LEASE
TO PB & T Villa Grande, LLC
Number: SUB-2147-LA
Doc.No. 2000R050272

OPEN SPACE 'B'
1.2038 ACRES

INSTALL SILT FENCE (TYPICAL)

Sublot 4
81,509 Acres
(6573.61 Sq.Ft.)

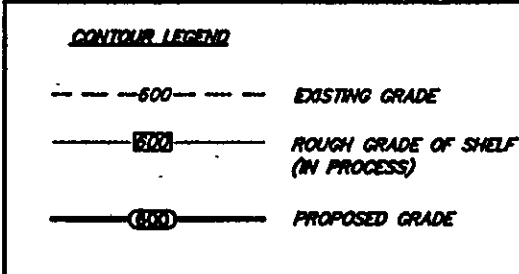
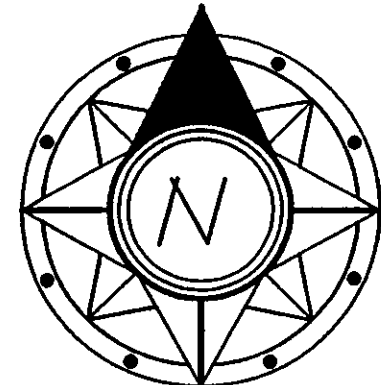
S/L 3

Install Drop Inlet Protection (See Detail)

VILLA GRANDE DRIVE (PRIVATE) - 62'

LAKE ROAD - VARIABLE WIDTH

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.

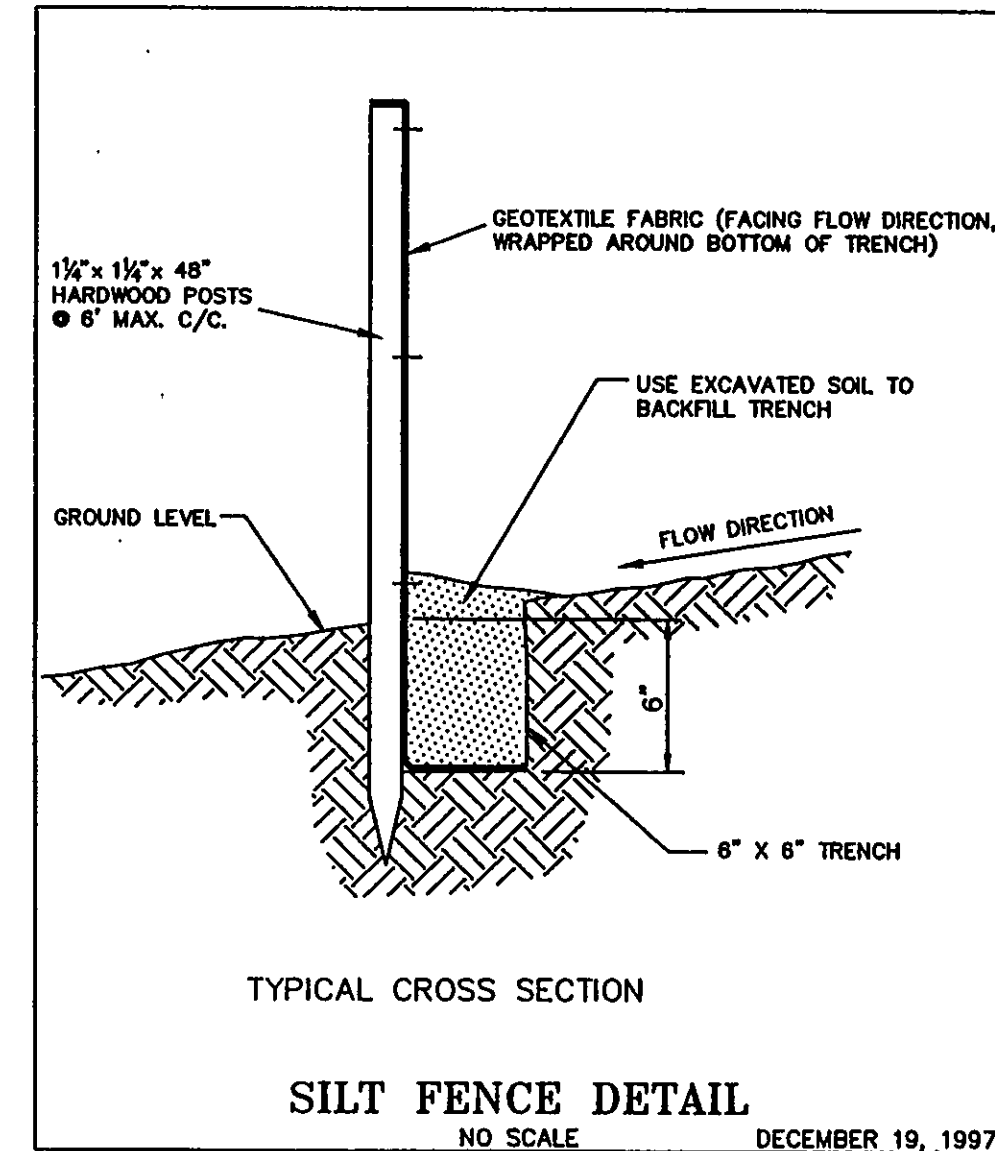
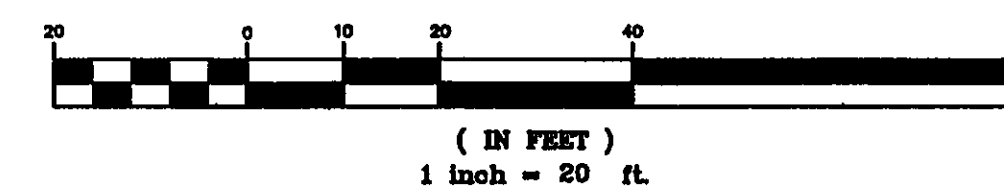


Temporary Seeding Specifications

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.
	Annual Ryegrass	1	40 lb.
August 16 to November 1	Rye	1	2 bushel
	Tall Fescue	1	40 lb.
	Annual Ryegrass	1	40 lb.
	Wheat	1	40 lb.
	Tall Fescue	1	40 lb.
	Annual Ryegrass	1	40 lb.
	Perennial Ryegrass	1	40 lb.
	Tall Fescue	1	40 lb.
	Annual Ryegrass	1	40 lb.
November 1 to Spring Seeding	Use mulch only, sodding practices or dormant seeding		

Note: other approved seed species may be substituted.

GRAPHIC SCALE



ESTIMATED IMPERVIOUS AREA
HOUSE: 0.06 Ac.
DRIVE: 0.01 Ac.
TOTAL: 0.07 Ac.

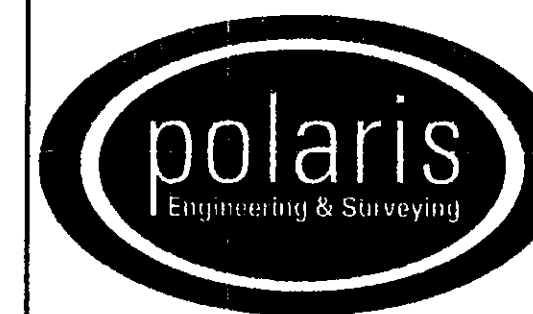
StrAdd: Villa Grande Drive
-See Architect Plans For Complete House Dimensions.
-Utility Connections Per Plan; Contractor To Verify Location And Depth Of All Laterals.

NOTE: HOUSE DOWNSPOUTS TO BE TIED INTO EXISTING STORM SYSTEM.
-FINAL LOCATION OF DOWNSPOUTS TO BE VERIFIED WITH ARCHITECTURAL PLANS.

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 25th DAY OF AUGUST, 2006, AND THAT THE ELEVATIONS WERE TAKEN AT APPROPRIATE INTERVALS AND THAT AS OF THAT DATE, THEY EXISTED AS INDICATED HEREON.

Charles W. Szucs, P.E. 56526

Site & Grade Hse. K.T.H.



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

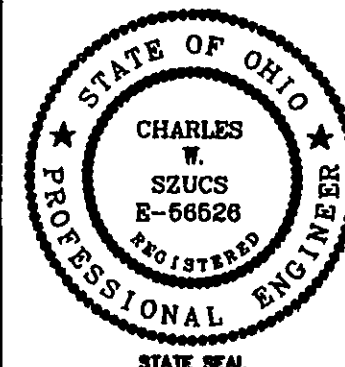
DESIGN CERTIFICATION

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

NAME Charles W. Szucs DATE _____

BENCHMARK:

B.M. = T.B.M Set On Top Of Hydrant
Located In Front Of Adj. S/L 5
Elevation 617.64



"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 _____ DATE _____

SUBLOT 4

Villa Grande At
Lake Erie Shores

Painesville Twp. - Lake County - Ohio

CONTRACT No.
06170
DATE: 9/28/06
SCALE: HOR. 1"=20'
VERT. _____
FILENAME: sublot4.dwg



2 WORKING DAYS
BEFORE YOU DIG



CALL TOLL FREE 800-362-2764

OHIO UTILITIES PROTECTION SERVICE
NON-MEMBERS MUST BE CALLED DIRECT

Prepared For:

JOHNSON BUILDERS
7757 AUBURN ROAD #1
PAINESVILLE, OH
(440) 354-6401

Stormwater Management Plan
As-shown and/or noted
VALUES R. GILLS, P.E.
County Drainage Engineer
By Charles W. Szucs Date 9/27/06