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			*	*	*	*	*	*	*			
FINAL 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

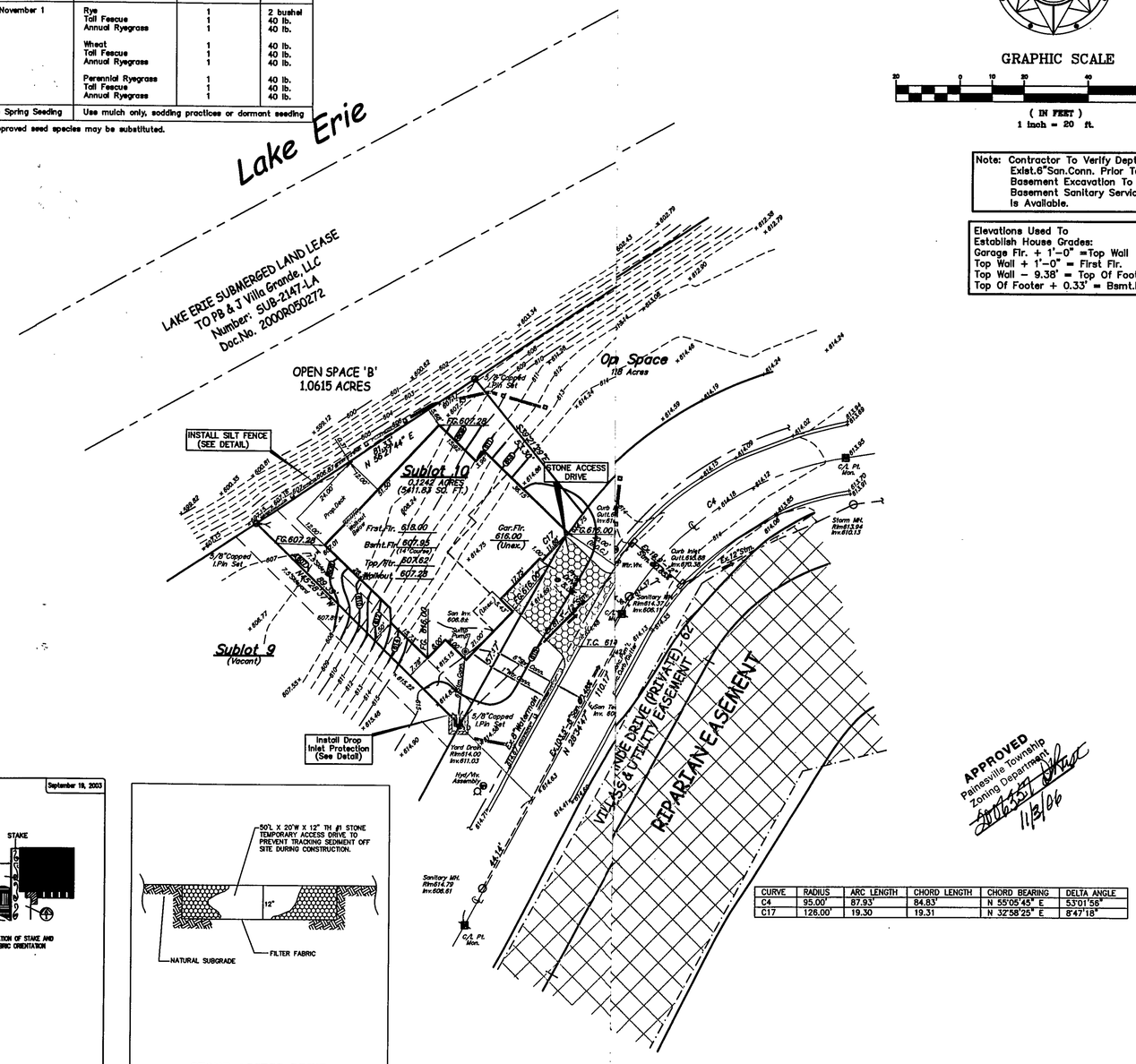
	J	F	M	A	M	J	J	A	S	O	N	D
CLEARING												
ROUGH GRADING												
TEMP. & INTERIM CONTROL	*	*	*	*	*	*	*	*	*	*	*	*
CONSTRUCTION DETENTION POND												
UTILITIES												
FINAL GRADING												
PAVING												
SEEDING AND PERMANENT SETTING												
LANDSCAPING												
TEMP. EROSION CONTROL MAINTENANCE	*	*	*	*	*	*	*	*	*	*	*	*

\STORM & EROSION DETAILS\EROSION CONTROL TIMETABLE

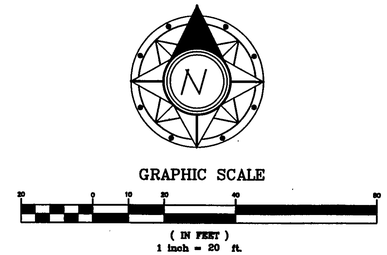
Temporary Seeding Specifications

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.

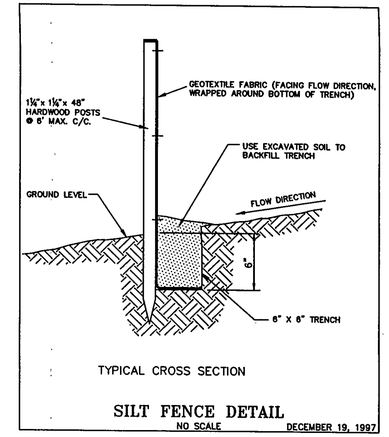


CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING	DELTA ANGLE
C4	95.00'	87.93'	84.83'	N 55°05'45" E	53°01'56"
C17	126.00'	19.30	19.31	N 32°58'25" E	8°47'18"



Note: Contractor To Verify Depth Of Exist.6"San.Conn. Prior To Basement Excavation To Verify Basement Sanitary Service Is Available.

Elevations Used To Establish House Grades:
Garage Flr. + 1'–0" =Top Wall
Top Wall + 1'–0" = First Flr.
Top Wall – 9.38' = Top Of Footer
Top Of Footer + 0.33' = Bsmt.Flr.



TYPICAL CROSS SECTION

SILT FENCE DETAIL
NO SCALE — DECEMBER 19, 1997

ESTIMATED IMPERVIOUS AREA
HOUSE: 0.07 Ac.
DRIVE: 0.02 Ac.
TOTAL: 0.09 Ac.

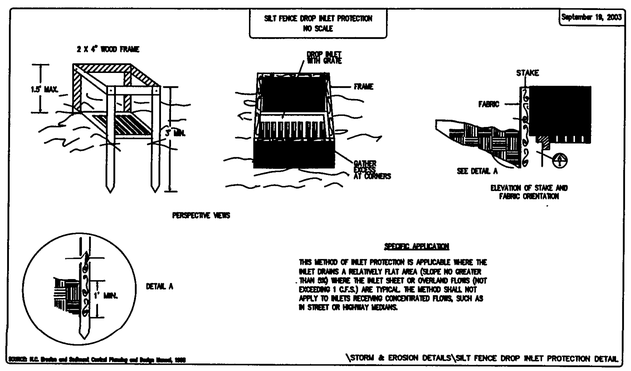
Str:Add.# Villa Grande Drive
–See Architect Plans For Complete House Dimensions.
–Utility Connections Per Plan; Contractor To Verify Location And Depth Of All Laterals.

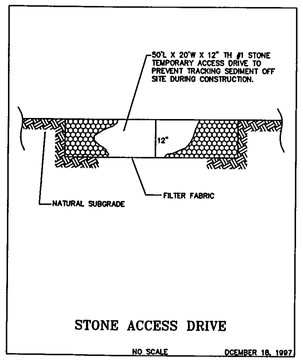
NOTE: HOUSE DOWNSPOUTS TO BE TIED INTO EXISTING STORM SYSTEM.
–FINAL LOCATION OF DOWNSPOUTS TO BE VERIFIED WITH ARCHITECTURAL PLANS.

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 22nd DAY OF SEPTEMBER, 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., 9/27/06 KTH





STONE ACCESS DRIVE
NO SCALE — DECEMBER 18, 1997

APPROVED
Painesville Township
Zoning Department
11/8/06

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 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

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

DESIGN CERTIFICATION
THIS PLAN WAS PREPARED BY ME, AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.
NAME — DATE 11/1/06

BENCHMARK:
B.M. = T.B.M Set On Rim Of Exist.Sanitary MH.
Located In Front Of Adj. S/L 13
Elevation 606.61

STATE OF OHIO — CHARLES W. SZUCS E-56526 Registered PROFESSIONAL ENGINEER
STATE SEAL

"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 10
Villa Grande At Lake Erie Shores
Painesville Twp. – Lake County – Ohio

CONTRACT No. 06170
DATE: 11/1/06
SCALE: HOR. 1"=20' VERT.
FILENAME: sublot14.dwg

Stormwater Management Plan
Approved as shown and/or noted
JAMES R. GILLS, P.E.
County Drainage Engineer
By J.S. Date 11/9/06