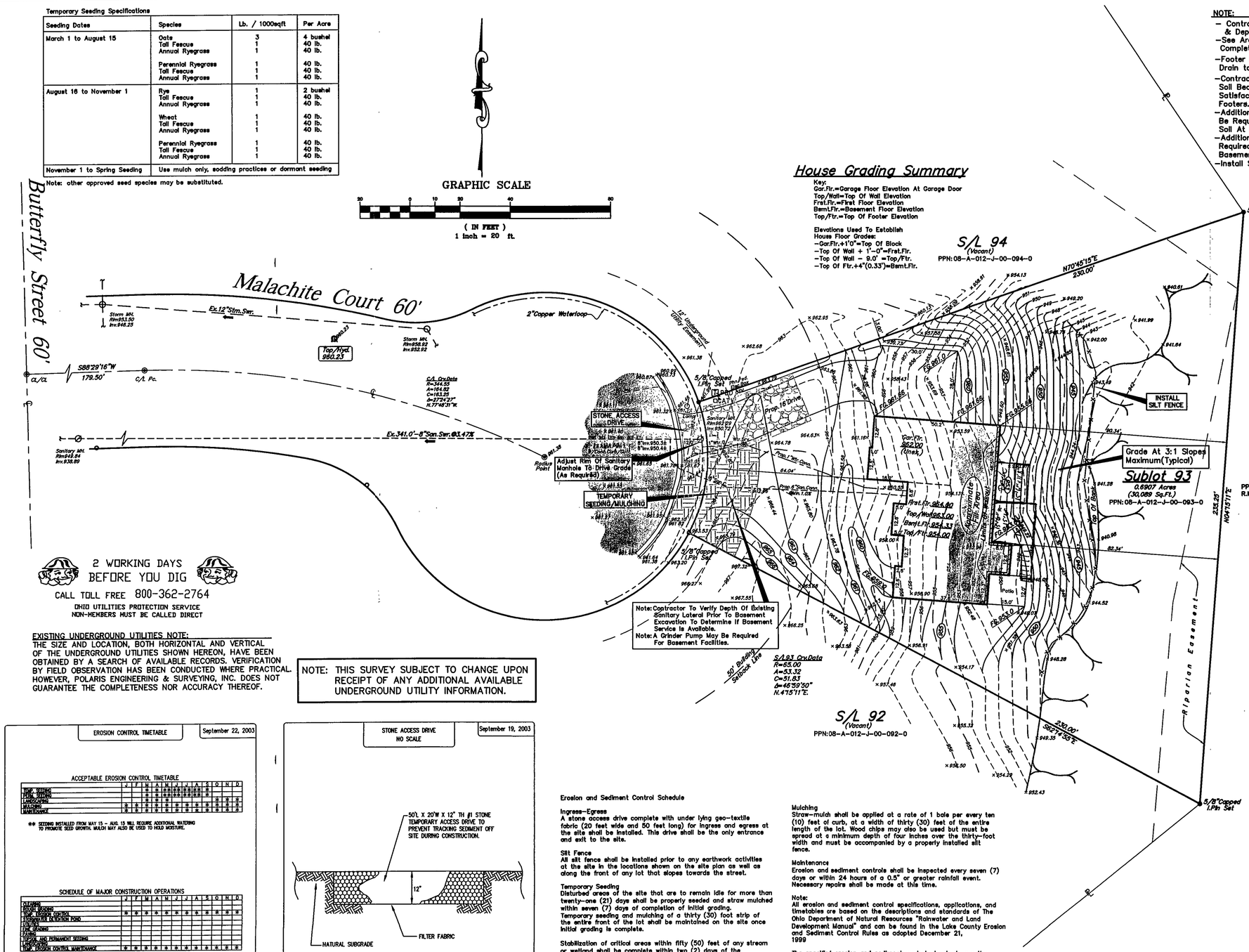
CONCORD TOWNSHIP ZONING OFFICE
Zoning Permit # 12-07-3368
Date Issued 12/12/07
Subject to Approval By:
☑ Lake Co. Engineer/Storm Water Mgmt.
☑ Lake Co. Utilities Dept.
☑ Lake Co. Soil + Water District
☑ Lake Co. Health District
☑ Lake Co. Building Dept.
September 19, 2003

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.
	Tall Fescue	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
30 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.



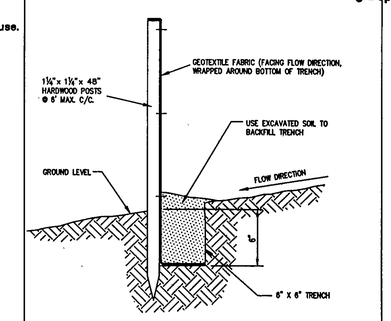
House Grading Summary

Key:
Gar.Flr.=Garage Floor Elevation At Garage Door
Top/Wall=Top Of Wall Elevation
Frst.Flr.=First Floor Elevation
Bsmt.Flr.=Basement Floor Elevation
Top/Ftr.=Top Of Footer Elevation

Elevations Used To Establish House Floor Grades:
-Gar.Flr.+1'0"=Top Of Block
-Top Of Wall + 1'-0"=Frst.Flr.
-Top Of Wall - 9.0' =Top/Ftr.
-Top Of Ftr.+4'(0.33')=Bsmt.Flr.

NOTE:
- Contractor To Verify Location & Depth Of Laterals;
- See Architect Plans For Complete House Dimensions;
- Footer Drains and Downspouts To Drain to "Daylight" At Rear Of House.
- Contractor/Builder To Verify Soil Bearing Capacity Is Satisfactory For Basement Footers.
- Additional Footer Depth Will Be Required To Get To Bearing Soil At Rear Of Basement.
- Additional Grade Brick May Be Required Along The Rear Basement Wall.
- Install Silt Fence As Required.

SILT FENCE DETAIL
NO SCALE



TYPICAL CROSS SECTION

\STORM & EROSION DETAILS\SILT FENCE DETAIL

ESTIMATED IMPERVIOUS AREA	
HOUSE:	0.08 Ac.
DRIVE:	0.05 Ac.
TOTAL:	0.13 Ac.

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 5th DAY OF NOVEMBER, 2007, AND THAT THE ELEVATIONS WERE TAKEN AT APPROPRIATE INTERVALS AND THAT AS OF THAT DATE, THEY EXISTED AS INDICATED HEREON.

Dustin R. Keeney, P.E.65515

Site & Grade Hse. 12-6-07

2 WORKING DAYS BEFORE YOU DIG
CALL TOLL FREE 800-362-2764
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.

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			*	*	*	*	*	*	*			
MULCHING			*	*	*					*	*	*
SODDING	*	*	*	*	*	*	*	*	*	*	*	*
MAINTENANCE	*	*	*	*	*	*	*	*	*	*	*	*

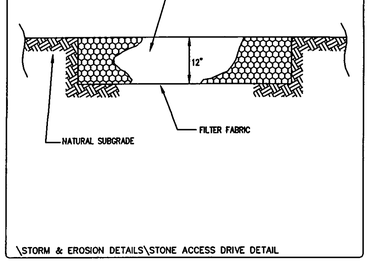
** SEEDING INSTALLED FROM MAY 15 - AUG. 15 WILL REQUIRE ADDITIONAL WATERING TO PROMOTE SEED GROWTH. MULCH MAY ALSO BE USED TO HOLD MOISTURE.

SCHEDULE OF MAJOR CONSTRUCTION OPERATIONS

	J	F	M	A	M	J	J	A	S	O	N	D
CLEARING												
ROUGH GRADING												
TEMP. EROSION CONTROL	*	*	*	*	*	*	*	*	*	*	*	*
STORMWATER DETENTION POND												
UTILITIES												
FINE GRADING												
PAVING												
TEMPORARY AND PERMANENT SEEDING												
SODDING												
TEMP. EROSION CONTROL MAINTENANCE	*	*	*	*	*	*	*	*	*	*	*	*

\STORM & EROSION DETAILS\EROSION CONTROL TIMETABLE

STONE ACCESS DRIVE
NO SCALE
September 19, 2003



\STORM & EROSION DETAILS\STONE ACCESS DRIVE DETAIL

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.

Prepared For:
River Oaks Homes
P.O. Box 754
Painesville, Ohio 44077
Ph: (440) 358-9050
Fax: (440) 357-8848

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 12/6/07 DATE

BENCHMARK:

B.M. = T.B.M Set On Top Of Hydrant
Located As Noted
Elevation 960.23

STATE OF OHIO DUSTIN R. KEENEY E-65515 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 93
Nature Preserve Ph.3
(Vol.48, Pg.26)
Concord Twp., Lake County, Ohio

CONTRACT No. 07203
DATE: 12-6-07
SCALE: HOR. 1"=20'
VERT. N/A
FILENAME: Sublot93.dwg

NOTE: PROPOSED FINISH GRADE (961.66) ON THIS SITE PLAN IS APPROX. ONE FOOT LOWER THAN THE PROPOSED FINISH GRADE ON SUBDIVISION GRADING

Stormwater Management Plan
Approved as shown and/or noted
JAMES R. GILLS, Jr.
County Drainage Engineer
By J.S. Date 12/13/07