



VOID

VOID

#### 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.

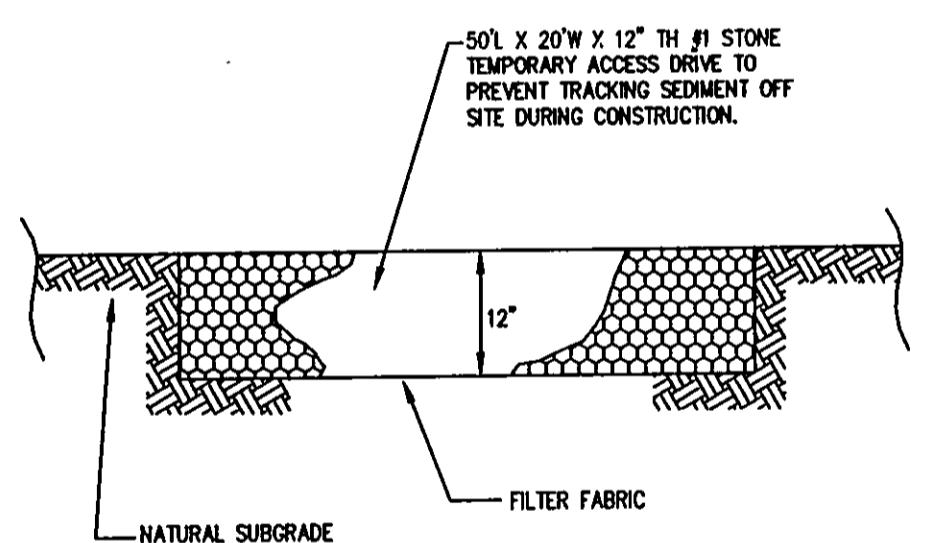
**Mulching**  
Straw-mulch shall be applied at a rate of 1 bale per every ten (10) feet of curb, at a width of thirty (30) feet of the entire length of the lot. Wood chips may also be used but must be spread at a minimum depth of four inches over the thirty-foot width and must be accompanied by a properly 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.

STONE ACCESS DRIVE  
NO SCALE  
September 19, 2003



STORM & EROSION DETAILS/STONE ACCESS DRIVE DETAIL

EROSION CONTROL TIMETABLE  
September 22, 2003

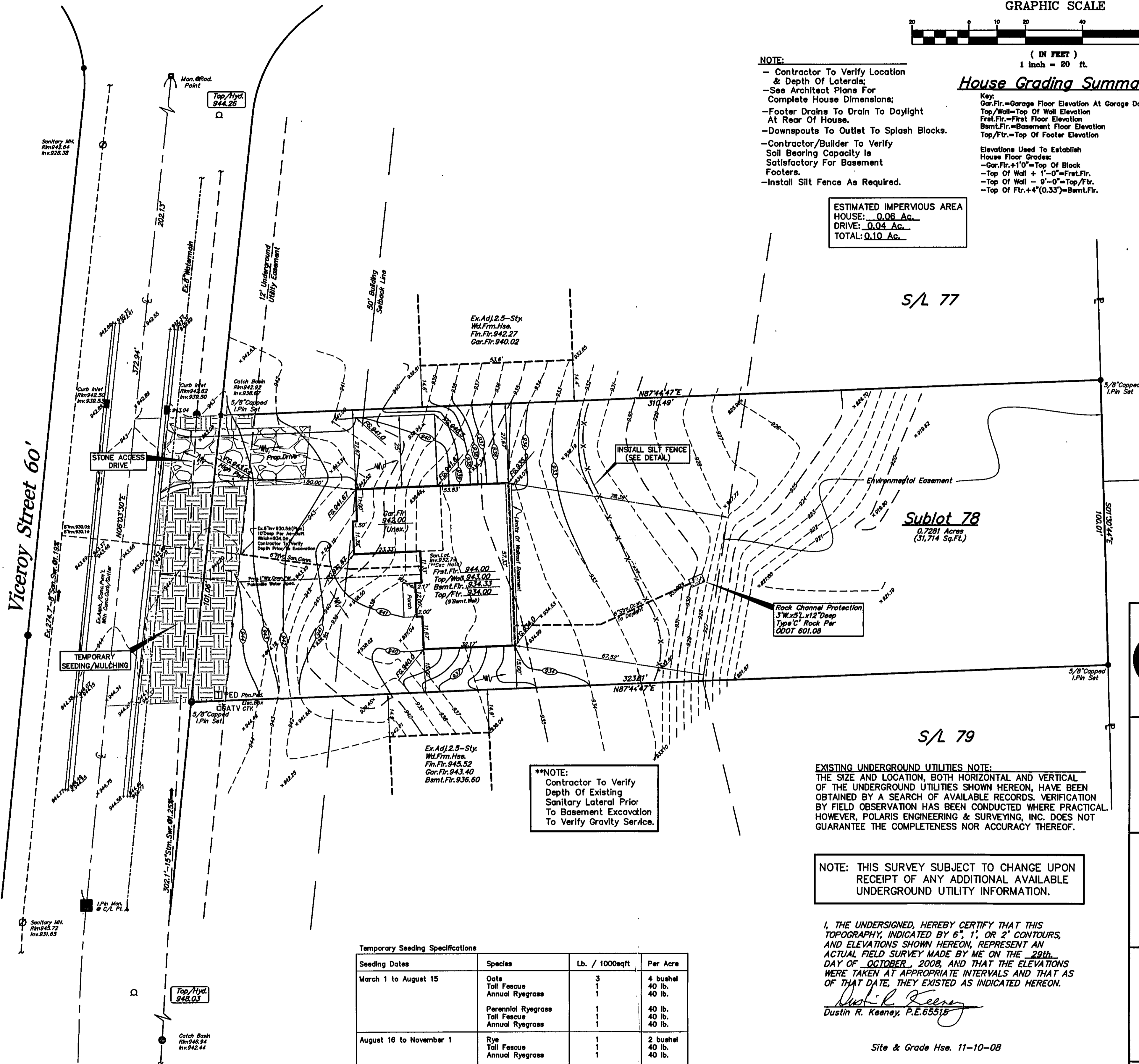
ACCEPTABLE EROSION CONTROL TIMETABLE											
TYPE OF WORK	J	F	M	A	M	J	J	A	S	O	N
TEMP. SEEDING	*	*	*	*	*	*	*	*	*	*	*
LANDSCAPING	*	*	*	*	*	*	*	*	*	*	*
MULCHING	*	*	*	*	*	*	*	*	*	*	*
MAINTENANCE	*	*	*	*	*	*	*	*	*	*	*

\*\* 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

OPERATION	J	F	M	A	M	J	J	A	S	O	N
GRADING	*	*	*	*	*	*	*	*	*	*	*
TEMP. SEEDING	*	*	*	*	*	*	*	*	*	*	*
LANDSCAPING	*	*	*	*	*	*	*	*	*	*	*
TEMP. SEEDING	*	*	*	*	*	*	*	*	*	*	*
LANDSCAPING	*	*	*	*	*	*	*	*	*	*	*
TEMP. SEEDING	*	*	*	*	*	*	*	*	*	*	*
LANDSCAPING	*	*	*	*	*	*	*	*	*	*	*

STORM & EROSION DETAILS/EROSION CONTROL TIMETABLE



#### GRAPHIC SCALE



( IN FEET )  
1 inch = 20 ft

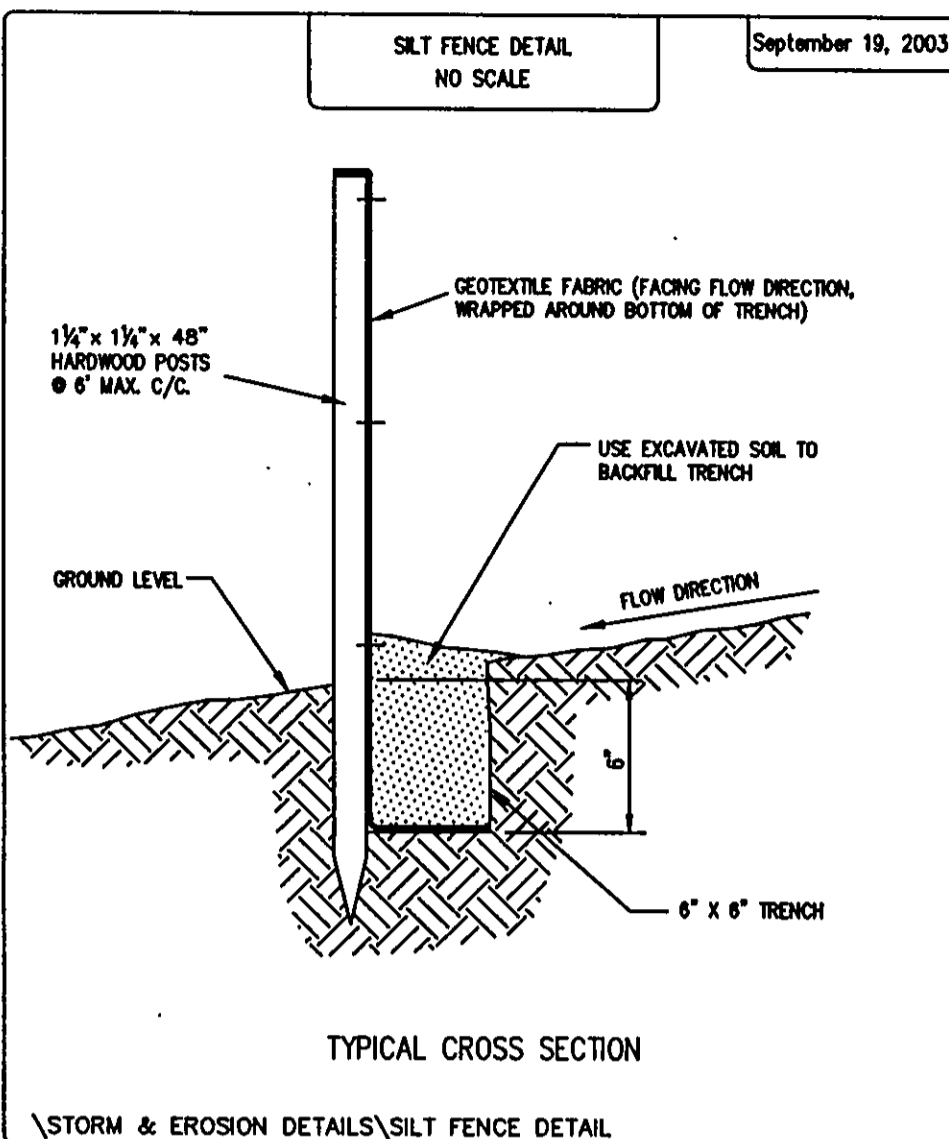
#### NOTE:

- Contractor To Verify Location & Depth Of Laterals;
- See Architect Plans For Complete House Dimensions;
- Footer Drains To Drain To Daylight At Rear Of House.
- Downspouts To Outlet To Splash Blocks.
- Contractor/Builder To Verify Soil Bearing Capacity Is Satisfactory For Basement Footers.
- Install Silt Fence As Required.

ESTIMATED IMPERVIOUS AREA  
HOUSE: 0.06 Ac.  
DRIVE: 0.04 Ac.  
TOTAL: 0.10 Ac.

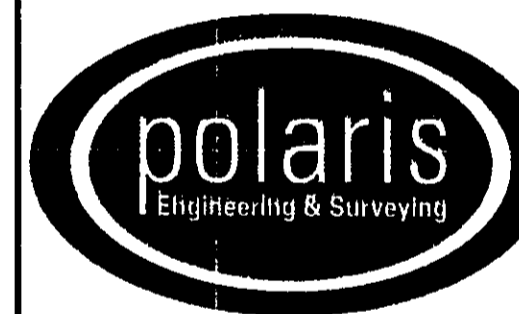
#### House Grading Summary

Key:  
Gar.Flr.=Garage Floor Elevation At Garage Door  
Top/Wall=Top Of Wall Elevation  
Fst.Flr.=First Floor Elevation  
Bmt.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"=Fst.Flr.  
-Top Of Wall - 9'-0"=Top/Ftr.  
-Top Of Ftr.+4'(0.33)=Bmt.Flr.



CONCORD TOWNSHIP ZONING OFFICE  
Zoning Permit # 1108-13720  
Permit Issued 11/13/08  
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.

S/L 44



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 Dustin R. Keeney DATE 11-10-08

#### BENCHMARK:

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



#### "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 78**  
**Nature Preserve North**  
(Volume 50, Page 4)  
Concord Twp., Lake County, Ohio

CONTRACT No.  
**08141**  
DATE: 11/10/08  
SCALE: HOR. 1"=20'  
VERT. N/A  
FILENAME: Sublot78.dwg

**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.

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 28th DAY OF OCTOBER, 2008, AND THAT THE ELEVATIONS WERE TAKEN AT APPROPRIATE INTERVALS AND THAT AS OF THAT DATE, THEY EXISTED AS INDICATED HEREON.

Dustin R. Keeney  
Dustin R. Keeney, P.E. 65515

Site & Grade Hse. 11-10-08

#### 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.
August 16 to November 1	Rye	1	2 bushel
	Tall Fescue	1	40 lb.
	Annual Ryegrass	1	40 lb.
	Perennial Ryegrass	1	40 lb.
November 1 to Spring Seeding	Wheat	1	40 lb.
	Tall Fescue	1	40 lb.
	Annual Ryegrass	1	40 lb.
	Perennial Ryegrass	1	40 lb.

Note: other approved seed species may be substituted.

2 WORKING DAYS  
BEFORE YOU DIG  
CALL TOLL FREE 800-362-2764  
OHIO UTILITIES PROTECTION SERVICE  
NON-MEMBERS MUST BE CALLED DIRECT

VOID

VOID