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 twent-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

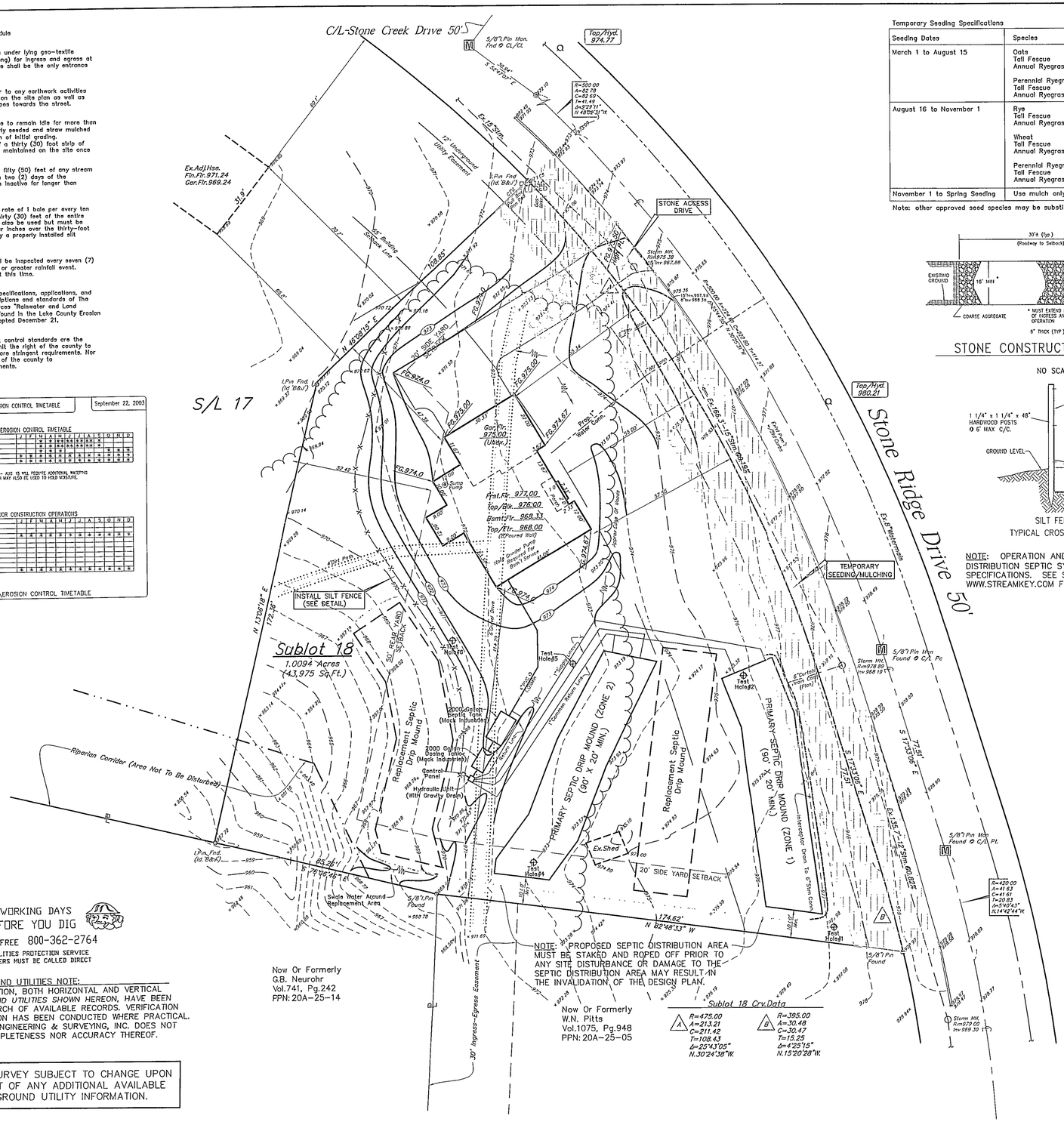
	J	F	M	A	M	J	J	A	S	O	N	D
SUMP SEEDING			*	*	*	*	*	*	*			
TEMP. SEEDING			*	*	*	*	*	*	*			
LANDSCAPING				*	*	*				*	*	*
MULCHING	*	*	*	*	*	*	*	*	*	*	*	*
MAINTENANCE	*	*	*	*	*	*	*	*	*	*	*	*

** SEEDING INSTALLED FROM MAY 15 - AUG 15 WILL REQUIRE ADDITIONAL WATERING TO PROVIDE 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												
EROSION CONTROL												
SUMP, EROSION CONTROL	*	*	*	*	*	*	*	*	*	*	*	*
SUBDRAINAGE EXCAVATION ZONE												
UTILITIES												
FINE GRADING												
PAVING												
EROSION AND SEDIMENTATION CONTROL												
LANDSCAPING												
SUMP, EROSION CONTROL MAINTENANCE	*	*	*	*	*	*	*	*	*	*	*	*

\STORM & EROSION DETAILS\EROSION CONTROL TIMETABLE



NOTE: PROPOSED SEPTIC DISTRIBUTION AREA MUST BE STAKED AND ROPED OFF PRIOR TO ANY SITE DISTURBANCE OR DAMAGE TO THE SEPTIC DISTRIBUTION AREA MAY RESULT IN THE INVALIDATION OF THE DESIGN PLAN.

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

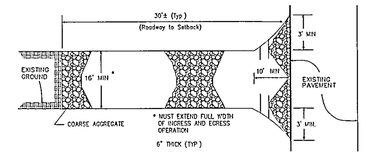
EXISTING UNDERGROUND UTILITIES NOTE:
THE SIZE AND LOCATION, BOTH HORIZONTAL AND VERTICAL OF THE UNDERGROUND UTILITIES SHOWN HEREON, HAVE BEEN OBTAINED BY A SEARCH OF AVAILABLE RECORDS. VERIFICATION BY FIELD OBSERVATION HAS BEEN CONDUCTED WHERE PRACTICAL. HOWEVER, POLARIS ENGINEERING & SURVEYING, INC. DOES NOT GUARANTEE THE COMPLETENESS NOR ACCURACY THEREOF.

NOTE: THIS SURVEY SUBJECT TO CHANGE UPON RECEIPT OF ANY ADDITIONAL AVAILABLE UNDERGROUND UTILITY INFORMATION.

Temporary Seeding Specifications

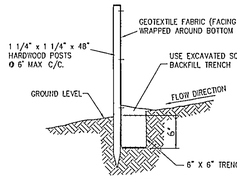
Seeding Dates	Species	Lb. / 1000sqft	Per Acre
March 1 to August 15	Oats Tall Fescue Annual Ryegrass	3 1 1	4 bushel 40 lb. 40 lb.
	Perennial Ryegrass Tall Fescue Annual Ryegrass	1 1 1	40 lb. 40 lb. 40 lb.
August 16 to November 1	Rye Tall Fescue Annual Ryegrass	1 1 1	2 bushel 40 lb. 40 lb.
	Wheat Tall Fescue Annual Ryegrass	1 1 1	40 lb. 40 lb. 40 lb.
	Perennial Ryegrass Tall Fescue Annual Ryegrass	1 1 1	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.



STONE CONSTRUCTION ENTRANCE

NO SCALE



SILT FENCE
TYPICAL CROSS SECTION

NOTE: OPERATION AND MAINTENANCE OF PROPOSED DRIP DISTRIBUTION SEPTIC SYSTEM SHALL BE PER MANUFACTURER'S SPECIFICATIONS. SEE STREAMKEY WEBSITE AT WWW.STREAMKEY.COM FOR ADDITIONAL INFORMATION.

DRIP DISTRIBUTION PLAN SUBMITTAL REVIEW

	Date	Name
Drip distribution area has been field verified and protected with marking tape	3/13/9	DOH
Plans submitted to LCGHD and meet design criteria	3/13/9	DOH
Hydraulic calculations verified and accurate	3/13/9	DOH

SEPTIC TANK LOCATION MAY BE CHANGED

GRAPHIC SCALE

20 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/Wall
-Top/Wall+1'0"=Frst.Flr.
-Top/Wall- 8'-0"=Top/Ftr.
-Top/Ftr.+4'(0.33')=Bsmt.Flr.

House Summary
3-Car, Side Entry, Right Hand With Full Basement
-See Architect Plans For Complete House Dimensions.
-Utility Connections Per Plan; Contractor To Verify Location And Depth Of All Laterals.

ESTIMATED IMPERVIOUS AREA
HOUSE: 0.06 Ac.
DRIVE: 0.05 Ac.
TOTAL: 0.11 Ac.

NOTE: HOUSE DOWNSPOUTS TO OUTLET TO SPLASH BLOCKS. FOOTER TILE (SUMP PUMP) TO OUTLET TO SPLASH BLOCKS.

-FINAL LOCATION OF DOWNSPOUTS TO BE VERIFIED WITH ARCHITECTURAL PLANS.

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

THIS PLAT REPRESENTS A SURVEY WHICH MEETS THE MINIMUM STANDARDS FOR A BOUNDARY SURVEY IN THE STATE OF OHIO AS SPECIFIED IN THE OHIO ADMINISTRATIVE CODE CHAPTER 4733-37. SURVEYED ON AUGUST 22, 2008 BY DANIEL LAUX, P.S. #7087. ALL IRON PINS SHOWN HEREON WERE EITHER FOUND OR SET AS NOTED.

THE TOPOGRAPHY, INDICATED BY 1' CONTOURS, AND ELEVATIONS SHOWN HEREON REPRESENT AN ACTUAL FIELD SURVEY MADE BY DANIEL LAUX, P.S. NO. 7087 ON JULY 14, 2008. THE ELEVATIONS WERE TAKEN AT APPROPRIATE INTERVALS AND AS OF THE ABOVE DATE THEY EXISTED AS INDICATED HEREON.

DANIEL LAUX, P.S. NO. 7087

Revised Hse. 03-09-09
Site & Grade Hse. 10-16-08

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 03-03-09 DATE

BENCHMARK:

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

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

Sheet 1 of 2

Prepared For:
B.R. Knez Construction, Inc.
3375 Blackmore Road
Perry Township, Ohio 44081
(440)259-0087

SUBLOT 18
Reserve At Stone Creek
Vol.50-31-2
City Of Kirtland - Lake County - Ohio

CONTRACT No. 08090
DATE: 10/16/08
SCALE: HOR. 1"=20' VERT. 1"=5'
FILENAME: sublot18.dwg

Stormwater Management Plan
Approved as shown and/or noted
JOHN R. GILLS, P.E.
County Drainage Engineer
By _____ Date 3/30/09