

Erosion and Sediment Control Schedule

Ingress-Egress
A stone access drive complete with under lying geo-mat inside (20 feet wide and 50 feet long) for ingress and egress of the site shall be installed. This drive shall be the only entrance and exit to the site.

Silt Fence
All silt fences 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 incorporated 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.

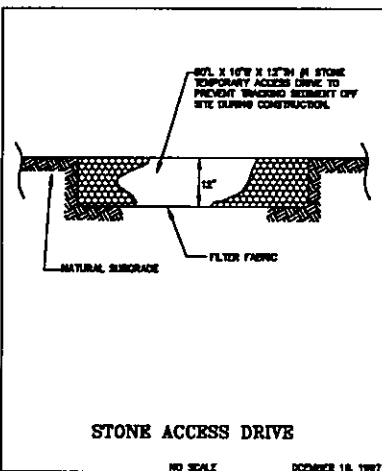
Notes
All erosion and sediment control specifications, applications, and schedules are based on the design and standards of The Ohio Department of Natural Resources "Recreation and Land Development Manual" and can be found in the Lake County Erosion and Sediment Control Rules as adopted December 21, 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.

Temporary Seeding Specifications

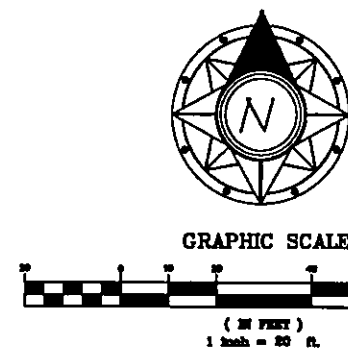
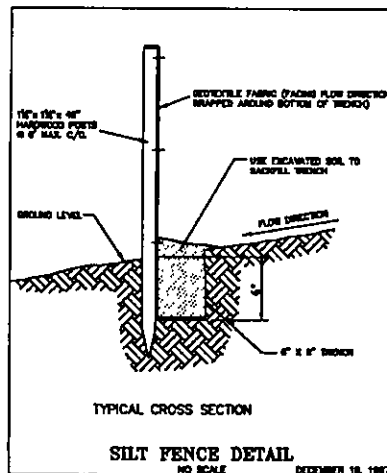
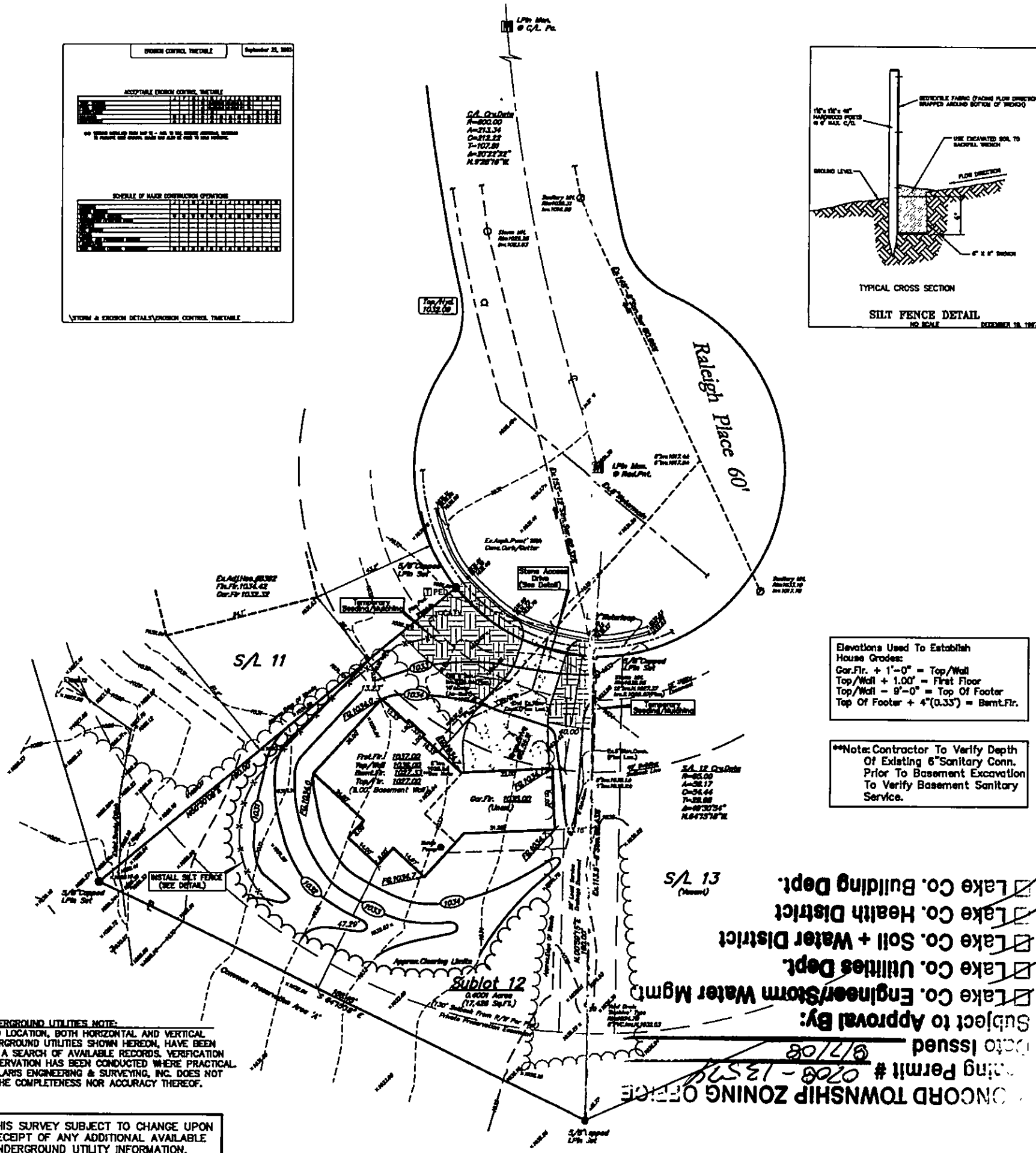
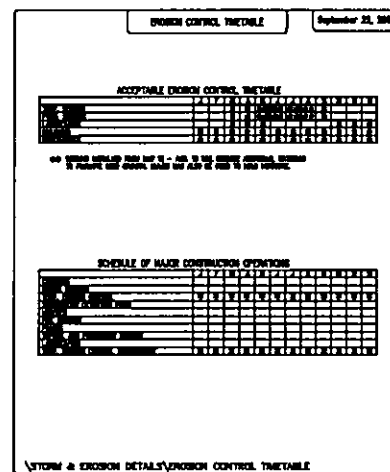
Seeding Dates	Species	Lb. / 1000sqft	Per Acre
March 1 to August 15	Dark Tall Fescue	3	40 lb.
	Annual Ryegrass	1	40 lb.
	Perennial Ryegrass	1	40 lb.
	Annual Ryegrass	1	40 lb.
August 16 to November 1	Rye	2	40 lb.
	Dark Tall Fescue	1	40 lb.
	Annual Ryegrass	1	40 lb.
	Perennial Ryegrass	1	40 lb.
November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

Notes: 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

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



ESTIMATED IMPERVIOUS AREA
HOUSE: 0.08Ac
DRIVE: 0.03Ac
TOTAL: 0.11Ac

House Summary
3 Car, Front Entry, Left Hand
-See Architect Plans For
Complete House Dimensions
-Utility Connections For Plans
Coordinate To Verify Location
And Depth Of All Utilities

NOTE: -HOUSE DOWNSPOUTS SHALL
OUTLET TO SPLASHBLOCKS
-SUMP PUMP TO DISCHARGE TO
EXIST. 6" STORM CONNECTION.
-FINAL LOCATION OF DOWNSPOUTS
TO BE VERIFIED WITH ARCHITECTURAL PLANS.
-ADDITIONAL GRADE BRICK MAY BE REQUIRED
ALONG WEST SIDE OF HOUSE.

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 18th
DAY OF JUNE, 2008, AND THAT THE ELEVATIONS
WERE TAKEN AT APPROPRIATE INTERVALS AND THAT AS
OF THAT DATE, THEY EXISTED AS INDICATED HEREON.

Dustin R. Kearney, P.E. 65515

Site & Grade Plan, 8-8-08
Site & Grade Plan, 7-8-08



POLARIS ENGINEERING & SURVEYING, INC.
34800 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 _____

BENCHMARK:

B.M. = T.B.M. Set On Top Of Hydrant
Located In Front Of S/L10
Elevation 1032.09



"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 12
18th Century Village
Subdivision
Concord Twp., Lake County, Ohio

CONTRACT No.
08076
DATE: 8/8/2008
SCALE: HOR. 1"=40'
VERT. 1"=10'

Subject to Approval By:
Lake Co. Building Dept.
Lake Co. Health District
Lake Co. Soil & Water District
Lake Co. Utilities Dept.
Lake Co. Engineer/Storm Water Mgmt.
Date Issued 8/7/08
Permit # 0708-13574

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
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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, 1989.

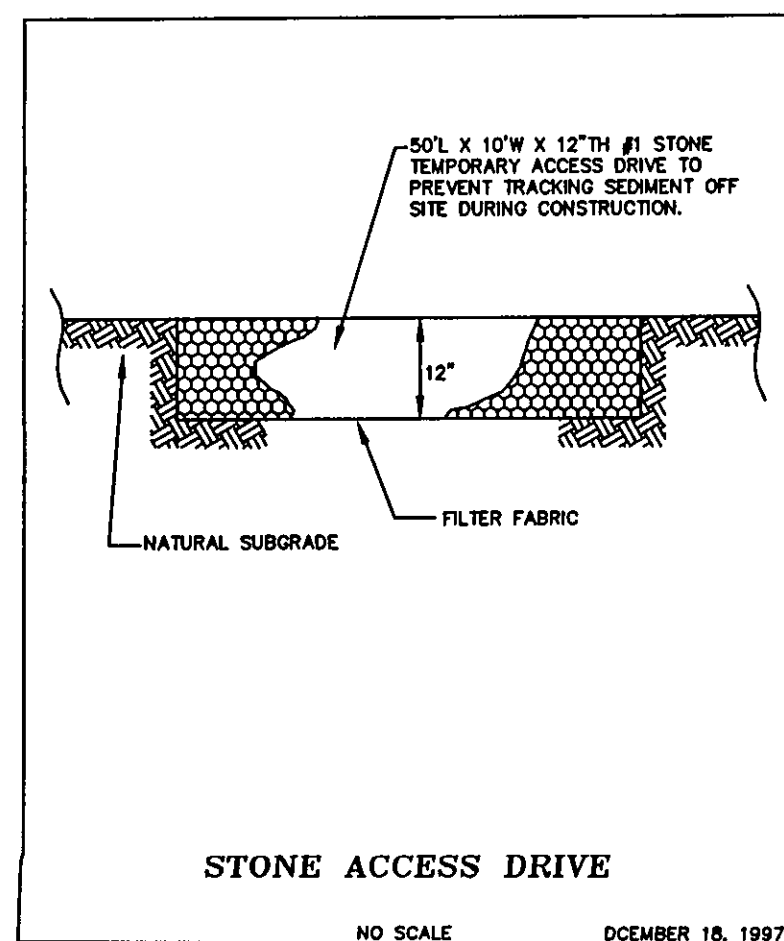
The specified erosion and sediment control standards are the general guidelines and shall not limit the right of the county to impose, at any time, additional, more stringent requirements. Nor shall the standards limit the right of the county to waive, in writing, individual requirements.

EROSION CONTROL TIMETABLE		September 22, 2003
ACCEPTABLE EROSION CONTROL TIMETABLE		
*** SEEDING INSTALLED FROM MAY 15 - MAY 18, 2003. NO SEEDING REQUIRED, HOWEVER TO PREVENT REED GROWTH, MULCH MAY ALSO BE USED TO HOLD SEEDS.		
SCHEDULE OF MAJOR CONSTRUCTION OPERATIONS		
MAJOR CONSTRUCTION OPERATIONS	1	2
1. SITE PREPARE	1	2
2. EXCAVATION	1	2
3. FOUNDATION	1	2
4. ROOFING	1	2
5. INTERIOR FINISH	1	2
6. EXTERIOR FINISH	1	2
7. LANDSCAPE	1	2
8. UTILITY	1	2
9. DRIVEWAY	1	2
10. PORCH	1	2
11. STAIR	1	2
12. BATH	1	2
13. KITCHEN	1	2
14. LIVING	1	2
15. BEDROOM	1	2
16. HALL	1	2
17. CLOSET	1	2
18. GARAGE	1	2
19. DRIVEWAY	1	2
20. PORCH	1	2
21. STAIR	1	2
22. BATH	1	2
23. KITCHEN	1	2
24. LIVING	1	2
25. BEDROOM	1	2
26. HALL	1	2
27. CLOSET	1	2
28. GARAGE	1	2
29. DRIVEWAY	1	2
30. PORCH	1	2
31. STAIR	1	2
32. BATH	1	2
33. KITCHEN	1	2
34. LIVING	1	2
35. BEDROOM	1	2
36. HALL	1	2
37. CLOSET	1	2
38. GARAGE	1	2
39. DRIVEWAY	1	2
40. PORCH	1	2
41. STAIR	1	2
42. BATH	1	2
43. KITCHEN	1	2
44. LIVING	1	2
45. BEDROOM	1	2
46. HALL	1	2
47. CLOSET	1	2
48. GARAGE	1	2
49. DRIVEWAY	1	2
50. PORCH	1	2
51. STAIR	1	2
52. BATH	1	2
53. KITCHEN	1	2
54. LIVING	1	2
55. BEDROOM	1	2
56. HALL	1	2
57. CLOSET	1	2
58. GARAGE	1	2
59. DRIVEWAY	1	2
60. PORCH	1	2
61. STAIR	1	2
62. BATH	1	2
63. KITCHEN	1	2
64. LIVING	1	2
65. BEDROOM	1	2
66. HALL	1	2
67. CLOSET	1	2
68. GARAGE	1	2
69. DRIVEWAY	1	2
70. PORCH	1	2
71. STAIR	1	2
72. BATH	1	2
73. KITCHEN	1	2
74. LIVING	1	2
75. BEDROOM	1	2
76. HALL	1	2
77. CLOSET	1	2
78. GARAGE	1	2
79. DRIVEWAY	1	2
80. PORCH	1	2
81. STAIR	1	2
82. BATH	1	2
83. KITCHEN	1	2
84. LIVING	1	2
85. BEDROOM	1	2
86. HALL	1	2
87. CLOSET	1	2
88. GARAGE	1	2
89. DRIVEWAY	1	2
90. PORCH	1	2
91. STAIR	1	2
92. BATH	1	2
93. KITCHEN	1	2
94. LIVING	1	2
95. BEDROOM	1	2
96. HALL	1	2
97. CLOSET	1	2
98. GARAGE	1	2
99. DRIVEWAY	1	2
100. PORCH	1	2

FORM & EROSION DETAILS/EROSION CONTROL TIMETABLE

Temporary Seeding Specifications

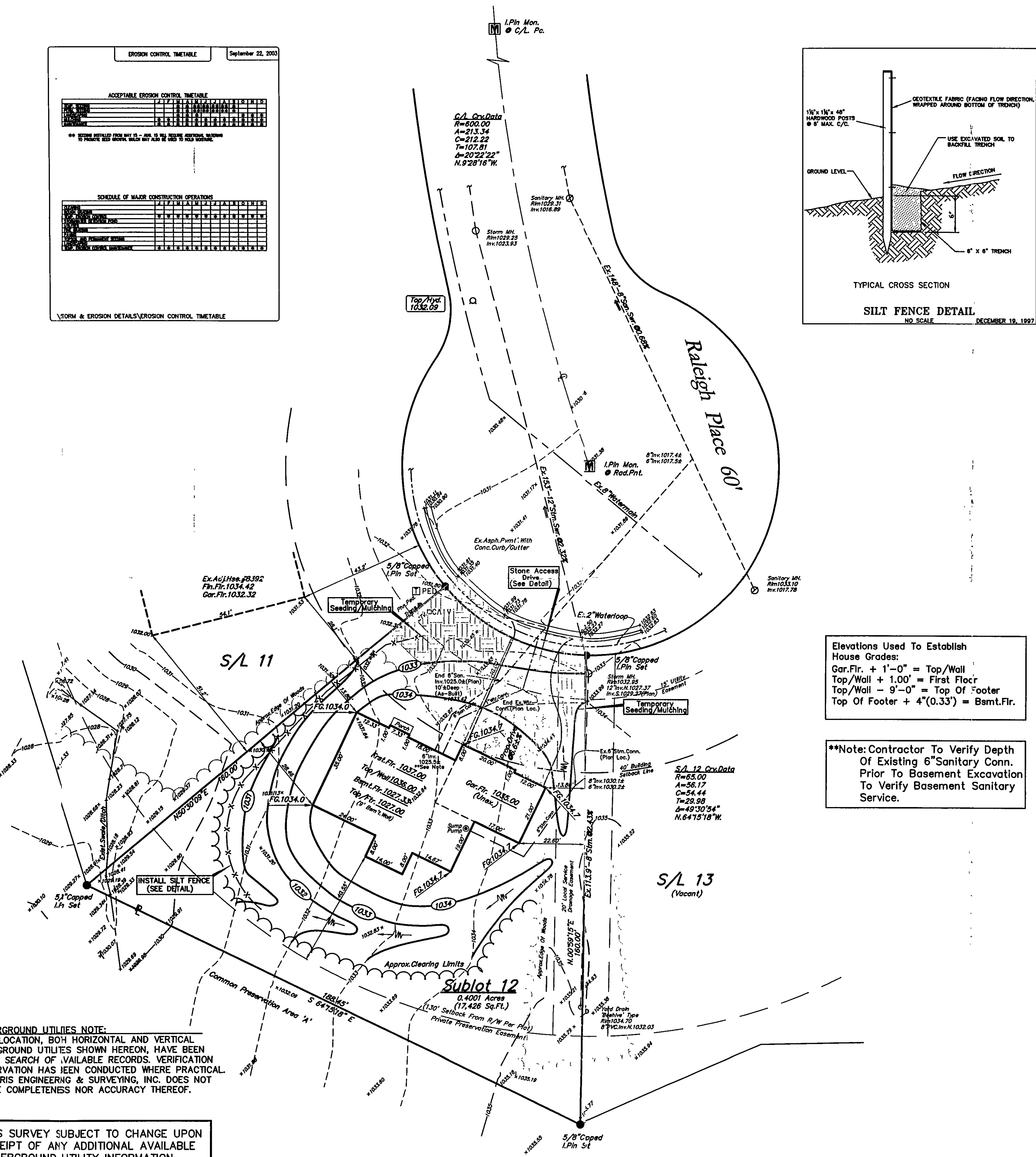
Seeding Dates	Species	Lb. / 1000sqft	Per Acre
March 1 to August 15	Oats	3	4 bushel
	Tall Fescue	1	40 lb.
	Annual Ryegrass	1	40 lb.
	Perennial Ryegrass	1	40 lb.
August 16 to November 1	Rye	1	2 bushel
	Tall Fescue	1	40 lb.
	Annual Ryegrass	1	40 lb.
	Perennial Ryegrass	1	40 lb.
November 1 to Spring Seeding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



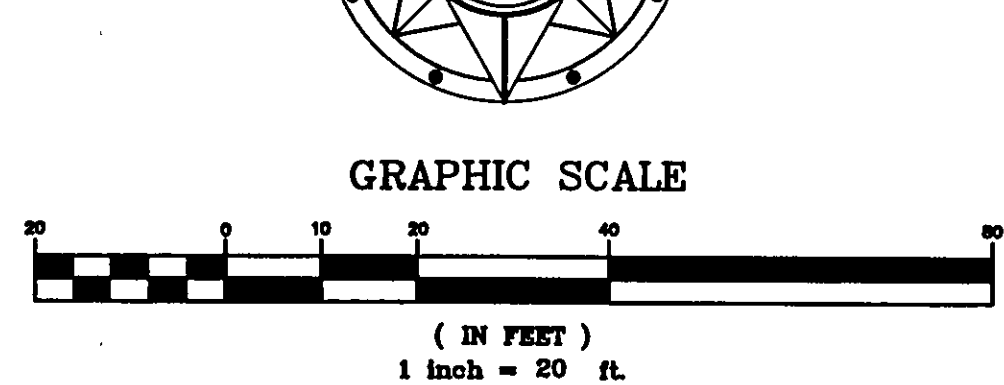
2 WORKING DAYS
BEFORE YOU DIG
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NON-MEMBERS MUST BE CALLED DIRECT

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.



CONCORD TOWNSHIP ZONING OFFICE
Zoning Permit # 0708-1357
Date Issued 7/15/08
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.



ESTIMATED IMPERVIOUS AREA
HOUSE: 0.08Ac
DRIVE: 0.03Ac
TOTAL: 0.09Ac

NOTE -HOUSE DOWNSPOUTS SHALL OUTLET TO SPLASHBLOCKS
-SUMP PUMP TO DISCHARGE TO EXIST. 6" STORM CONNECTION.
-FINAL LOCATION OF DOWNSPOUTS TO BE VERIFIED WITH ARCHITECTURAL PLANS.
-ADDITIONAL GRADE BRICK MAY BE REQUIRED ALONG WEST SIDE OF HOUSE.

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 19th DAY OF JUNE, 2008, 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. 7-8-08

POLARIS ENGINEERING & SURVEYING, INC.
34600 CHARDON ROAD - SUITE D
WILLOUGHBY HILLS, OHIO 44094
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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 7/9/08

BENCHMARK:

B.M. = T.B.M Set On Top Of Hydrant
Located In Front Of S/L10;
Elevation 1032.09

STATE OF OHIO
DUSTIN R. KEENEY
P.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 12
18th. Century Village
Subdivision
Concord Twp., Lake County, Ohio

CONTRACT No.
08076
DATE: 7/8/08
SCALE: HOR. 1"=20'
VERT. _____
FILENAME: sublot 12.dwg

Stormwater Management Plan
Approved as shown and noted
JAMES R. GILLIS, P.E.
County Drainage Engineer
Date 7/23/08