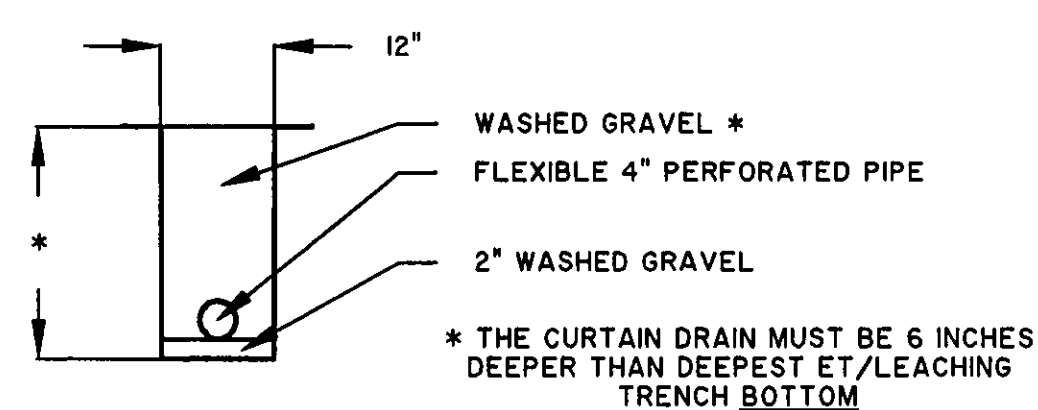
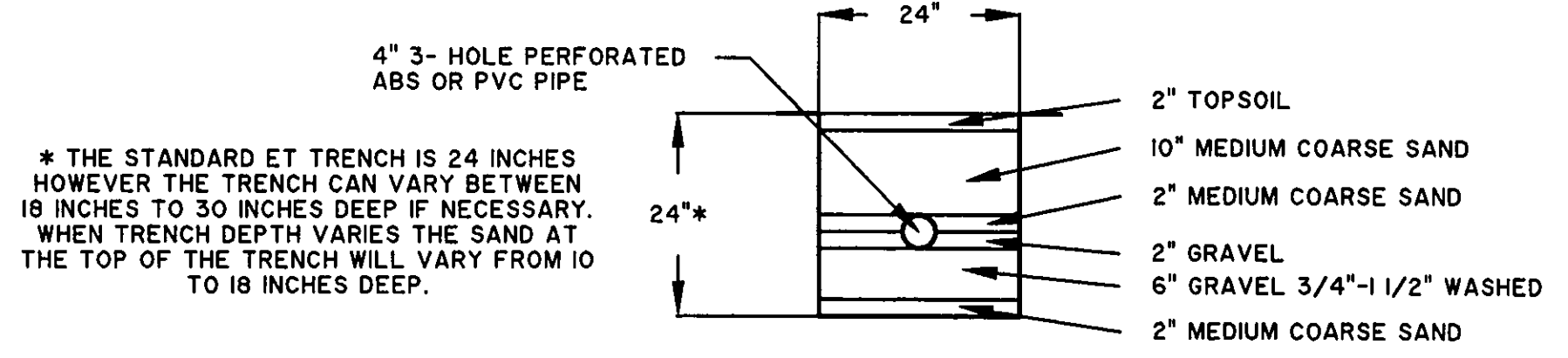


TYPICAL CURTAIN DRAIN CROSS SECTION



TYPICAL EVAPOTRANSPIRATION TRENCH CROSS SECTION



| PROPOSED HOUSE F.F. ELEV. +740.83 (SLAB) | | ADJUST ALL TANKS, BOXES TO GRADE | | SPLITTER BOX | | DISTRIBUTION BOX | | 740 | |
|---|--|--|--|----------------|--|------------------|--|-----|--|
| 740 | | PROPOSED GRADING | | EXISTING GRADE | | 740 | | 740 | |
| 735 | | 4" CURTAIN DRAIN | | FORCE MAIN | | 735 | | 735 | |
| 730 | | MICROFAST 500 GALLON PER DAY NSF 40 CLASS I EXTENDED HOME AERATION UNIT WITH POSITIVE DISCHARGE PUMP, A 200 GALLON PUMP CHAMBER, FAIL SAFE WIRING AND AUDIBLE ALARM | | 730 | | 730 | | 730 | |

HYDRAULIC PROFILE:
SCALE
1" = 20' HOR.
1" = 5' VERT.

GENERAL NOTES:

1. BENCHMARK - TOP STEM OF FIRE HYDRANT AS SHOWN IN SITE PLAN. ELEVATION = 740.83.
2. DRIVEWAY APRON TO BE 6" THICK CONCRETE.
3. ALL DOWNSPOUTS TO BE OUTLETTED TO SPLASH BLOCKS.
4. CONTRACTOR RESPONSIBLE FOR CONTACTING THE OHIO UTILITY PROTECTION SERVICE (1.800.362.2784) AND ALL UTILITY COMPANIES A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION.
5. THE LOCATION BOTH HORIZONTAL AND VERTICAL OF EXISTING UNDERGROUND UTILITIES SHOWN HEREON, HAVE BEEN OBTAINED BY A DILIGENT AND COMPREHENSIVE SEARCH OF AVAILABLE RECORDS. VERIFICATION BY FIELD OBSERVATION HAS BEEN CONDUCTED WHERE PRACTICAL. HOWEVER, BARRINGTON CONSULTING GROUP, INC. DOES NOT GUARANTEE THE COMPLETENESS, NOR ACCURACY THEREOF.
6. CONTRACTOR SHALL VERIFY ELEVATIONS OF LATERAL INVERTS IN THE FIELD PRIOR TO FOUNDATION EXCAVATION.
7. SEE SHEET 2 FOR EROSION AND SEDIMENT CONTROL PLAN
8. SEE SHEET 2 FOR SEEDING INFORMATION

CERTIFICATION:

"I THE UNDERSIGNED HEREBY CERTIFIES THAT THIS TOPOGRAPHY INDICATED BY 1 FOOT CONTOURS AND ELEVATION SHOWN HEREON REPRESENTS AN ACTUAL SURVEY MADE BY ME ON THE 28th DAY OF SEPTEMBER, 2008 AND THE ELEVATIONS WERE TAKEN AT AN APPROPRIATE INTERVAL AND AS OF THAT DAY THEY EXISTED AS INDICATED HEREON.

"I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF"

DAVID W. NOVAK, P.S. No. 7507
CHS-008



SEPTIC SYSTEM NOTES:

1. ALL ASPECTS OF THE SEPTIC SYSTEM SHALL ADHERE TO THE REGULATIONS OF THE BOARD OF HEALTH OF THE LAKE COUNTY GENERAL HEALTH DISTRICT PART (CHAPTER) 28 "SEWAGE TREATMENT RULES"
2. THE FULL SOIL ABSORPTION AREA SHALL BE FREE OF ANY SITE DISTURBANCE. IF ANY DISTURBANCE OR DAMAGE HAS OCCURRED, INSTALLATION SHALL NOT PROCEED AND THE REGISTERED INSTALLER SHALL CONTACT THE OWNER AND THE BOARD OF HEALTH.
3. THE SYSTEM MUST BE INSTALLED WHEN THE SOILS ARE DRY. THE INSTALLATION OF A SYSTEM IN WET CONDITIONS CAN CAUSE SOIL COMPACTION AND SMEARING WHICH LEADS TO SYSTEM FAILURE.
4. PRIOR TO EXCAVATION, THE REGISTERED INSTALLER SHALL CHECK ALL ELEVATIONS IN THE LAYOUT PLAN RELATIVE TO THE ESTABLISHED BENCHMARK.
5. THE INSTALLER MUST BE REGISTERED AND APPROVED PER O.A.C. 3701-28-04.1.
6. THE SYSTEM INSTALLER SHALL CONSULT WITH THE DESIGNER PRIOR TO ANY INTENDED CHANGES TO THE SYSTEM.
7. THE SYSTEM INSTALLER SHALL COORDINATE WITH THE DESIGNER IN ORDER TO PROVIDE AN ACCURATE AS-BUILT.
8. THE PROPOSED E.T. FIELD AREA AND DUPLICATION AREA SHALL BE ROPED OFF PRIOR TO THE START OF ANY CONSTRUCTION TO PREVENT DISTURBANCE TO THE AREAS.
9. SDR 35 PIPE SHALL MEET ASTM D 3034
10. ABS PIPE SHALL MEET ASTM F 628
11. FORCE MAIN PIPE SHALL BE 2" SCHEDULE 80 PVC.
12. WASHED GRAVEL SHALL CONFORM TO AASHTO M 43 AS SET FORTH BY O.A.C. RULE 3701-28-13.1 (B)(2).
13. SPLITTER AND DISTRIBUTION BOXES SHALL BE MANUFACTURED BY TUF-TITE.
14. THE EFFLUENT FILTER IN THE SEPTIC TANK SHALL BE MANUFACTURED BY ZOELLER AND CONFORM TO ASTM C-1127.
15. INLET AND OUTLET CONNECTIONS TO THE SEPTIC TANK SHALL MEET ASTM C 823.
16. DOWNSPOUTS TO BE OUTLETTED TO SPLASHBLOCKS AND FLOW TO BE DIRECTED AWAY FROM THE E.T. FIELD.
17. E.T. LINES SHALL MAINTAIN A MINIMUM SEPARATION OF 50' FROM LAKES, RIVERS, STREAMS, WELLS AND ANY OTHER WATER SUPPLY SOURCE.
18. E.T. LINES SHALL NOT BE INSTALLED WHERE GROUND SLOPES EXCEED 15%.
19. ALL ELECTRICAL WORK SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE.

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

A 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 THIRTY (30) DAYS SHALL BE PROPERLY SEEDDED 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.

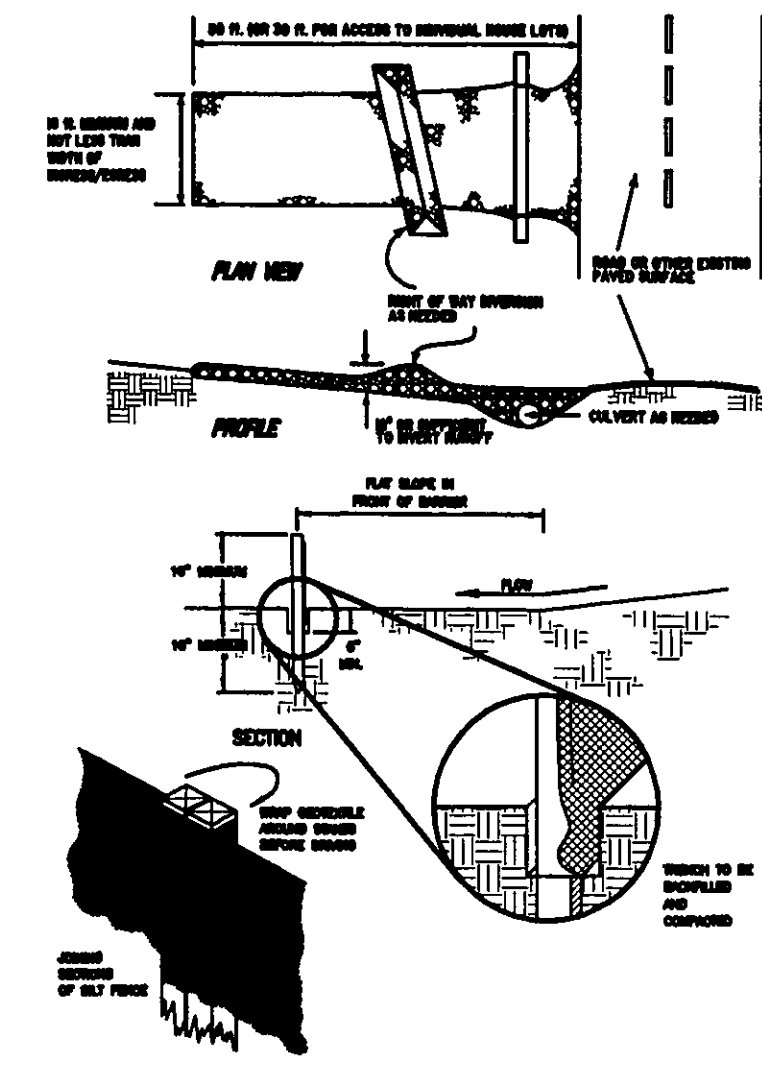
NOTE:

ALL EROSION AND SEDIMENT CONTROL SPECIFICATIONS, APPLICATIONS, AND TIMETABLES ARE BASED OF 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 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.

Grading Plan Approved
as shown and/or noted
JAMES R. GILLS, P.E.
Lake County Engineer

By LS Date 10-9-08



| TEMPORARY SEEDING SPECIFICATIONS | | | |
|----------------------------------|--------------------|--------------|------------|
| SEEDING DATES | SPECIES | LB./1000 FT. | PER AC. |
| MARCH 1 TO AUGUST 15 | OATS | 3 | 4 BUSH/EL. |
| | TALL FESCUE | 1 | 40 LB. |
| | ANNUAL RYEGRASS | 1 | 40 LB. |
| | PERENNIAL RYEGRASS | 1 | 40 LB. |
| | TALL FESCUE | 1 | 40 LB. |
| AUGUST 16 TO NOVEMBER 1 | ANNUAL RYEGRASS | 1 | 40 LB. |
| | RYE | 3 | 2 BUSH/EL. |
| | TALL FESCUE | 1 | 40 LB. |
| | ANNUAL RYEGRASS | 1 | 40 LB. |
| | WHEAT | 3 | 2 BUSH/EL. |
| NOVEMBER 1 TO SPRING SEEDING | 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. |

NOTE: OTHER APPROVED SEED SPECIES MAY BE SUBSTITUTED.

| REVISIONS | BY |
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Barrington
CONSULTING GROUP, INC.
9114 TYLER BLVD., MENTOR, OHIO 44060
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BCG@BarringtonCGL.com

McCullough Builders & Developers
RICK McCULLOUGH
12 PUBLIC SQUARE #181
WILLOUGHBY, OHIO 44094
440-527-8113

SITE PLAN
P.P. No. 03A070A020110 BALDWIN RD.
PERRY OHIO

DRAWN
CHECKED
DATE
SEPT. 30, 2008
SCALE
1" = 20'
JOB NO.
08089
SHEET
11
OF SHEETS