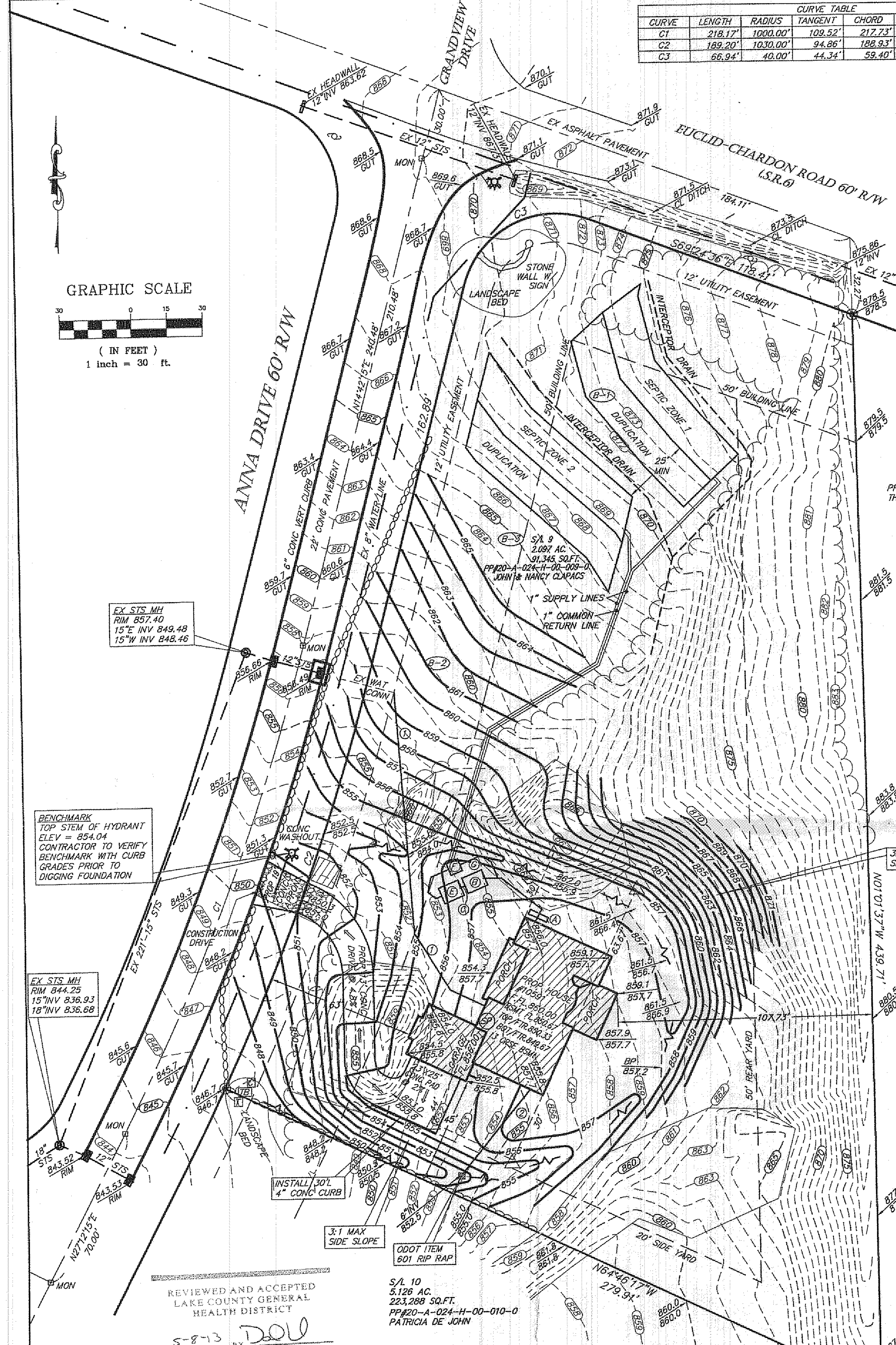
CURVE TABLE						
CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
C1	218.17'	1000.00'	109.52'	217.73'	N20°57'15"E	12°30'00"
C2	189.20'	1030.00'	94.86'	188.93'	N19°57'59"E	10°31'28"
C3	66.94'	40.00'	44.34'	59.40'	S62°38'49"W	95°53'09"



REVIEWED AND ACCEPTED
LAKE COUNTY GENERAL
HEALTH DISTRICT

Date 5-8-13 BY DOU

SEWAGE DISPOSAL PERMIT MUST BE OBTAINED BY A LAKE COUNTY LICENSED INSTALLER BEFORE INSTALLATION IS STARTED

Stormwater Management Plan
Approved as shown and/or noted
JAMES R. GILLS, P.E.
County Drainage Engineer
By GH Date 5/13/2013

LEGEND

- ◉ = IRON PIN SET
- ⊡ = MONUMENT BOX
- Ⓓ = STORM MANHOLE
- Ⓒ = CABLE PEDESTAL
- Ⓣ = TELEPHONE PEDESTAL
- TB = TRANSFORMER
- WV = WATER VALVE
- = CURB INLET
- = FIRE HYDRANT
- △ = OFFSET HUB
- = POWER POLE
- FLOW DIRECTION ⟸
- = SWALE
- EXISTING GRADE / PROPOSED GRADE
- ∞∞ = SILT FENCE
- (SP) = SUMP PUMP

SEPTIC CHART

- Ⓐ = CONTROL PANEL
- Ⓑ = 2000 GALLON SEPTIC TANK
- Ⓒ = 2'-4" PVC
- Ⓔ = 2000 GALLON DOSING TANK
- Ⓕ = HYDRAULIC UNIT
- Ⓖ = 1.5" SUPPLY LINE

① = PROP 1" TYPE "K" COPPER WAT CONN

② = PROP 6" SDR 35 PVC STS @ 1% MIN TO DISCHARGE TO DAYLIGHT

NOTES:

1. INSTALLER TO CONTACT DESIGN ENGINEER & L.C.H.D. IF THERE ARE ANY CHANGES TO THE SEPTIC SYSTEM.
2. SEPTIC SYSTEM TO BE INSTALLED WHEN THE SOIL IS MOST DRY & THE LEAST AMOUNT OF SOIL DISTURBANCE WILL BE USED.
3. SEPTIC INSTALLER TO PROVIDE ASBUILTS TO L.C.H.D.
4. ALL ELECTRICAL COMPONENTS MUST BE N.E.C. COMPLIANT.
5. ELECTRICAL INSPECTION TO BE CONDUCTED BY LAKE COUNTY BUILDING DEPARTMENT

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, AZTECH ENGINEERING AND SURVEYING CO., INC. DOES NOT GUARANTEE THE COMPLETENESS NOR ACCURACY THEREOF.

DOWN SPOUTS TO BE SPLASH BLOCKED

SEQUENCE OF EROSION AND SEDIIMENT CONTROL IMPLEMENTATION AND MAJOR SITE CONSTRUCTION OPERATIONS

1.0 INSTALL CONSTRUCTION DRIVE ENTRANCE
1.1 VERIFY THAT ALL PERIMETER CONTROLS ARE IN PLACE.
1.2 PERFORM CLEARING AND GRUBBING WITHIN CLEARING AREA.
1.3 PERFORM SCALPING AND STRIPPING OF ALL TOPSOIL WITHIN CLEARING LIMITS
1.4 PERFORM EARTHWORK OPERATIONS NECESSARY TO OBTAIN REQUIRED SUBGRADE ELEVATIONS.
1.5 INSTALL ALL UNDERGROUND UTILITIES.
1.6 INSTALL INLET PROTECTION AROUND ALL INLET BASINS AND YARD DRAINS AS TO BE CONSTRUCTED.
1.7 PERFORM TEMPORARY SEEDING OF ALL AREAS OUTSIDE OF PROPOSED PAVEMENT IF CONSTRUCTION ACTIVITY WILL CEASE FOR 21 DAYS.
1.8 PERFORM FINISHED GRADING
1.9 REMOVE INLET PRETECTION
1.10 INSTALL PAVEMENT AND PERMANENT SEEDING. PERMANENT SEEDING SHALL OCCUR WITHIN 7 DAYS OF LAST ACTIVITY.
1.11 REMOVE ALL TEMPORARY SEDIMENT AND EROSION CONTROLS AFTER THE ENTIRE SITE IS STABILIZED

PROJECT DATA

1. PROJECT DESCRIPTION: THIS PROJECT WILL CONSIST OF SITE CLEARING, GRUBBING, EARTHWORK, UTILITIES AND RESIDENTIAL HOUSE CONSTRUCTION
2. DISTURBED AREA: 1.28 ACRES
3. PRIOR LAND USE: WOODED LOT
4. SITE LOCATION: IN KIRTLAND, OHIO
5. LATITUDE: N 41°34'35"
   LONGITUDE: W -81°21'27"
6. IMMEDIATE RECEIVING WATERS: CHAGRIN RIVER
7. SUBSEQUENT RECEIVING WATERS: LAKE ERIE
8. CURRENT SOILS: UdD & DaB
9. PROPOSED IMPERVIOUS AREA: 0.13 ACRES
10. SITE IMPERVIOUS PERCENTAGE: 6%

REFERENCES:

LAZIO'S RIDGE SUBDIVISION PHASE 1
PLAT VOLUME 44, PAGE 31

LAZIO'S RIDGE SUBDIVISION PHASE 1
IMPROVEMENT PLANS
BY LESSMAN, BENDER & ASSOCIATES
DATED: JANUARY, 2002

NOTES:

- STREETS ADJACENT TO CONSTRUCTION ENTRANCE SHALL BE CLEANED DAILY
- NO FUELING ALLOWED ON SITE
- ALL CONCRETE TO BE A MINIMUM 3,000 PSI/28 DAYS DRIVEWAYS MUST BE 6" THICK SACK MIX CONCRETE WITH 7% AIR ENTRAINMENT, AND BE REINFORCED WITH 6"X6" #10 WELDED WIRE MESH INSTALLED APPROXIMATELY 1" TO 2" FROM BOTTOM OF SLAB.
- DRIP SYSTEM INSTALLER TO PROVIDE A GRAVITY DRAIN OUT OF THE HYDRAULIC UNIT. DRAIN TO CONNECT TO HOUSE FOOTER TILE OR DRAIN TO DAYLIGHT.

ALL IRON PINS SET ARE 5/8" X 30" REBAR CAPPED "AZTECH #8249"

BENCHMARK
TOP STEM OF HYDRANT
ELEV = 854.06

THE CONTRACTOR MUST CHECK THE BENCHMARK WITH THE EDGE OF PAVEMENT PRIOR TO DIGGING THE FOUNDATION.

CURRENT ZONING: R3A

MINIMUM SETBACK: 50 FEET
MINIMUM SIDE YARD: 20 FEET
MINIMUM REAR YARD: 50 FEET

SOIL TESTING WAS PERFORMED BY FLOYD E. MCCLEARY & RAY BURNS ON FEBRUARY 6, 2013
CERTIFICATION # ARCPACS-18357, AOP-1009

B-# = SOIL TEST BORING HOLE #1

"I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS TOPOGRAPHY, INDICATED BY CONTOURS AND ELEVATIONS SHOWN HEREON, REPRESENTS AN ACTUAL FIELD SURVEY MADE BY ME ON MAY 4TH, 20 12 AND THAT THE ELEVATIONS WERE TAKEN AT APPROPRIATE INTERVALS AND THAT, AS OF THAT DATE, THEY EXISTED AS INDICATED HEREON.

I FURTHER CERTIFY THAT THIS PLAN WAS PREPARED BY ME FROM AN ACTUAL BOUNDARY SURVEY AND IRON PINS WERE FOUND OR SET AT THE PROPERTY CORNERS AND ALL OF WHICH IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF."

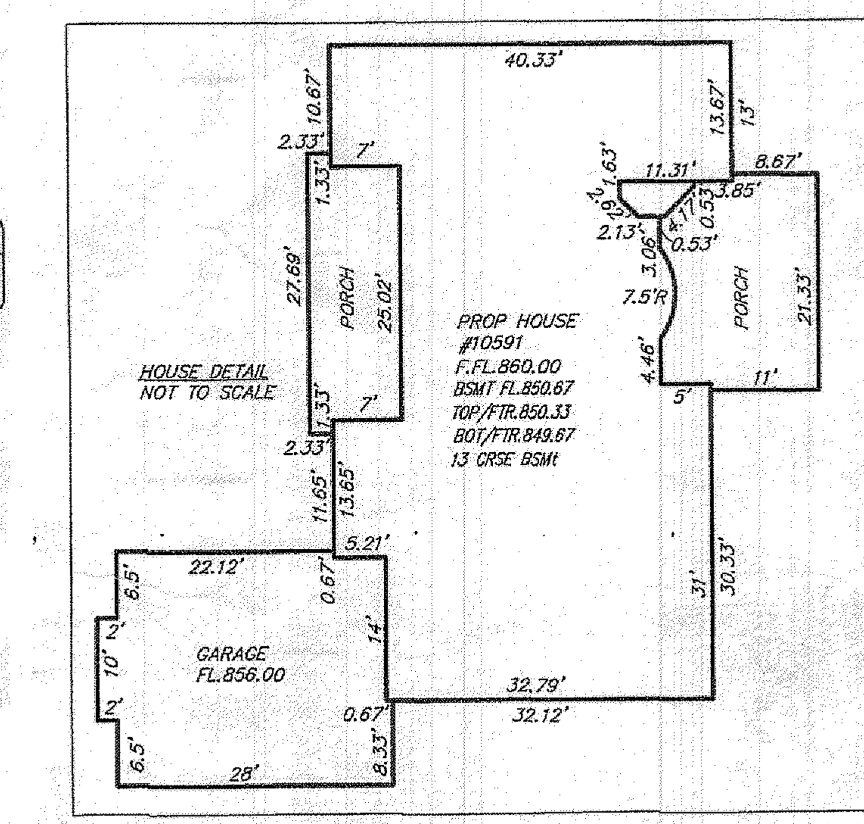
I FURTHER CERTIFY THAT THIS SEWAGE SYSTEM DESIGN MEETS THE MINIMUM REQUIREMENTS ESTABLISHED BY THE LCGHD IN THE HSTS GUIDANCE MANUAL, AND THE REQUIREMENTS AND RECOMENDATIONS OF THE SYSTEM MANUFACTURER.

4-22-13

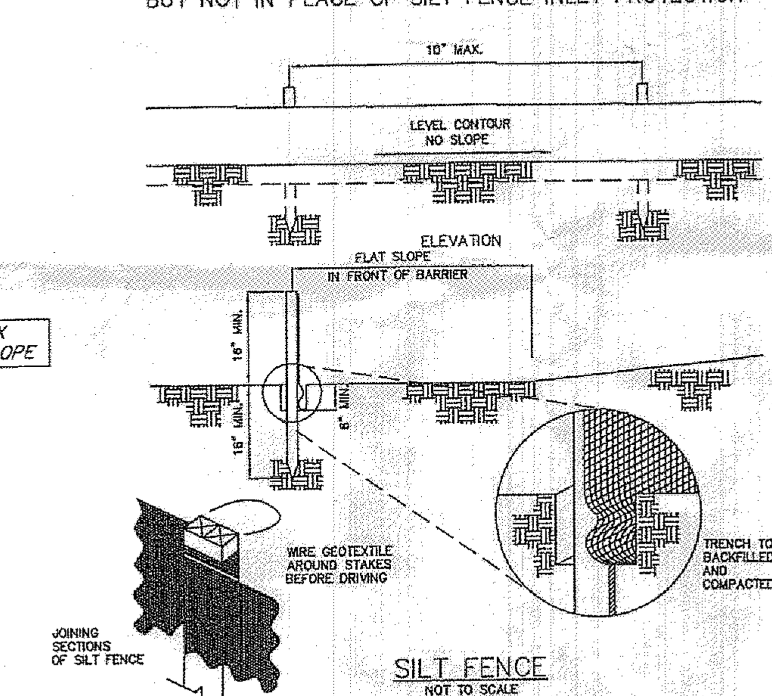
STAN R. LOCH P.S. #8249 DATE

STATE OF OHIO · STAN R. LOCH · 8249 · REGISTERED · PROFESSIONAL SURVEYOR

STATE OF OHIO · STAN LOCH · E 000092 · REGISTERED · PROFESSIONAL ENGINEER



STRAW BALES MAY BE USED IN CONJUNCTION WITH BUT NOT IN PLACE OF SILT FENCE INLET PROTECTION



SILT FENCE
NOT TO SCALE

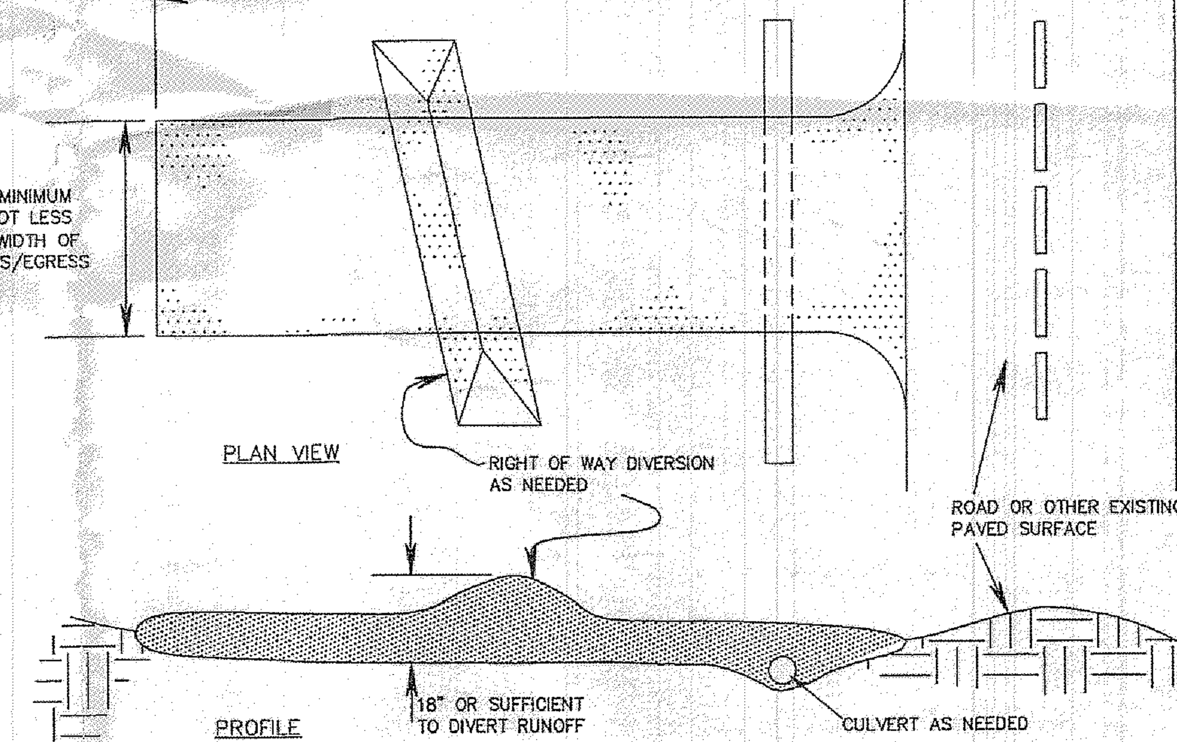
1. SILT FENCE SHALL BE CONSTRUCTED BEFORE UPSLOPE LAND DISTURBANCE BEGINS.
2. ALL SILT FENCE SHALL BE PLACED AS CLOSE TO THE CONTOUR AS POSSIBLE SO THAT WATER WILL NOT CONCENTRATE AT LOW POINTS IN THE FENCE AND SO THAT SMALL SWALES OR DEPRESSIONS THAT MAY CARRY SMALL CONCENTRATED FLOWS TO THE SILT FENCE ARE DISSIPATED ALONG ITS LENGTH.
3. ENDS OF THE SILT FENCES SHALL BE BROUGHT UPSLOPE SLIGHTLY SO THAT WATER PONDED BY THE SILT FENCE WILL BE PREVENTED FROM FLOWING AROUND THE ENDS.
4. SILT FENCE SHALL BE PLACED ON THE FLATTEST AREA AVAILABLE.
5. WHERE POSSIBLE, VEGETATION SHALL BE PRESERVED FOR 5 FEET (OR AS MUCH AS POSSIBLE) UPSLOPE FROM THE SILT FENCE. IF VEGETATION IS REMOVED, IT SHALL BE REESTABLISHED WITHIN 7 DAYS FROM THE INSTALLATION OF THE SILT FENCE.
6. THE HEIGHT OF THE SILT FENCE SHALL BE A MINIMUM OF 16 INCHES ABOUVE THE ORIGINAL GROUND SURFACE.
7. THE SILT FENCE SHALL BE PLACED IN AN EXCAVATED OR SLICED TRENCH CUT A MINIUM OF 6 INCHES DEEP. THE TRENCH SHALL BE MADE WITH A TRENCHER, CABLE LAYING MACHINE, SLICIING MACHINE, OR OTHER SUITBALE DEVICE THAT WILL ENSURE AN ADEQUATELY UNIFORM TRENCH DEPTH.
8. THE SILT FENCE SHALL BE PLACED WITH THE STAKES ON THE DOWNSHOPE SIDE OF THE GEOTEXTILE. A MINIMUM OF 8 INCHES OF GEOTEXTILE MUST BE BELOW THE GROUND SURFACE. EXCESS MATERIAL SHALL LAY ON THE BOTTOM OF THE 6-INCH DEEP TRECH. THE TRENCH SHALL BE BACKFILLED AND COMPACTED ON BOTH SIDES OF THE FABRIC.
9. SEAMS BETWEEN SECTIONS OF SILT FENCE SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST WITH A MINIMUM 6-INCH OVERLAP PRIOR TO DRIVING INTO THE GROUND.
10. MAINTENANCE-SILT FENCE SHALL ALLOW RUNOFF TO PASS ONLY AS DIFFUSE FLOW THROUGH THE GETOTEXTILE. IF RUNOFF OVERTOPS THE SILT FENCE, FLOWS UNDER THE FABRIC OR AROUND THE FENCE ENDS, OR IN ANY OTHER WAY ALLOWS A CONCENTRATED FLOW DISCHARGE, ONE OF THE FOLLOWING SHALL BE PERFORMED, AS APPROPRIATE: 1) THE LAYOUT OF THE SILT FENCE SHALL BE CHANGED, 2) ACCUMULATED SEDIMENT SHALL BE REMOVED, OR 3) OTHER PRACTICES SHALL BE INSTALLED.

SEDIMENT DEPOSITS SHALL BE ROUTINELY REMOVED WHEN THE DEPOSIT REACHES APPROXIMATELY ONE-HALF OF THE HEIGHT OF THE SILT FENCE.

SILT FENCES SHALL BE INSPECTED AFTER EACH RAINFALL AND AT LEAST DAILY DURING A PROLONGED RAINFALL. THE LOCATION OF EXISTING SILT FENCE SHALL BE REVIEWED DAILY TO ENSURE ITS PROPER LOCATION AND EFFECTIVENESS. IF DAMAGED, THE SILT FENCE SHALL BE REPAIRED IMMEDIATELY.

CRITERIA FOR SILT FENCE MATERIALS
1. FENCE POSTS-THE LENGTH SHALL BE A MINIMUM OF 32 INCHES. WOOD POSTS WILL BE 2-BY-2-IN. NOMINAL DIMENSIONED HARDWOOD OF SOUND QUALITY. THEY SHALL BE FREE OF KNOTS, SPLITS AND OTHER VISIBLE IMPERFECTIONS, THAT WILL WEAKEN THE POSTS. THE MAXIMUM SPACING BETWEEN POSTS SHALL BE 10 FEET. POSTS SHALL BE DRIVEN A MINIMUM 16 INCHES INTO THE GROUND, WHERE POSSIBLE. IF NOT POSSIBLE, THE POSTS SHALL BE ADEQUATELY SECURED TO PREVENT OVERTURNING OF THE FENCE DUE TO SEDIMENT/WATER LOADING.
2. SILT FENCE FABRIC-SEE CHART

FABRIC PROPERTIES	VALUES	TEST METHOD
MINIMUM TENSILE STRENGTH	120 LBS. (535 N)	ASTM D 4632
MAXIMUM ELONGATIONAT 60 LBS.	50 %	ASTM D 4632
MINIMUM PUNCTURE STRENGTH	50 LBS. (220 N)	ASTM D 4833
MINIMUM TEAR STRENGTH	40 LBS. (180 N)	ASTM D 4533
APPARENT OPENING SIZE	≤ 0.84 MM	ASTM D 4751
MINIMUM PERMITTIVITY	1X10-2 SEC.-1	ASTM D 4491
UV EXPOSURE STRENGTH RETENTION	70 %	ASTM G 4355



CONSTRUCTION ENTRANCE

DESCRIPTION:

A CONSTRUCTION ENTRANCE IS A STABILIZED PAD OF AGGREGATE OVER A GEOTEXTILE BASE AND IS USED TO REDUCE THE AMOUNT OF MUD TRACKED OFF-SITE WITH CONSTRUCTION TRAFFIC.

CONDITIONS WHERE PRACTICE APPLIES:

A CONSTRUCTION ENTRANCE SHOULD BE USED:

- WHERE CONSTRUCTION VEHICLES LEAVE ACTIVE CONSTRUCTION AREAS ONTO SURFACES WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS;
- AT ALL POINTS OF EGRESS TO PUBLIC ROADS;
- WHERE FREQUENT VEHICLES AND EQUIPMENT INGRESS/EGRESS IS EXPECTED SUCH AS AT THE AT THE ENTRANCE OF INDIVIDUAL BUILDING LOTS;

PLANNING CONSIDERATIONS:

THIS PRACTICE SHOULD NOT BE RELIED ON TO REMOVE MUD FROM CONSTRUCTION TRAFFIC. MOST MUD IS FLUNG FROM TIRES AS VEHICLES REACH SPEEDS HIGHER THAN IS REACHED ON SITE. THE BEST APPROACH TO PREVENTING OFF-SITE TRACKING IS TO KEEP VEHICLES THAT FREQUENTLY ENTER AND LEAVE A SITE, AWAY FROM MUDDY AREAS IN THE FIRST PLACE. VEHICLES SHOULD BE RESTRICTED TO STABILIZED AREAS TO THE EXTENT PRACTICAL, AND AREAS WHERE FREQUENT INGRESS/EGRESS IS EXPECTED SHOULD BE STABILIZED.

TEMPORARY SEEDING

SEEDING DATES	SPECIES	Lb./1,000 S.F.	LB/PER ACRE
MARCH 1 – AUGUST 15	OATS TALL FESCUE ANNUAL RYEGRASS	3 1 1	128 (4 BUSHEL) 40 40
	PERENNIAL RYEGRASS TALL FESCUE ANNUAL RYEGRASS	1 1 1	40 40 40
	ANNUAL RYEGRASS PERENNIAL RYEGRASS CREEPING RED FESCUE KENTUCKY BLUEGRASS	1.25 3.25 0.4 0.4	55 142 17 17
	OATS TALL FESCUE ANNUAL RYEGRASS	3 1 1	128 (3 BUSHEL) 40 40
AUGUST 16 – NOVEMBER	RYE TALL FESCUE ANNUAL RYEGRASS	3 1 1	112 (2 BUSHEL) 40 40
	WHEAT TALL FESCUE ANNUAL RYEGRASS	3 1 1	120 (2 BUSHEL) 40 40
	PERENNIAL RYEGRASS TALL FESCUE ANNUAL RYEGRASS	1 1 1	40 40 40
	ANNUAL RYEGRASS PERENNIAL RYEGRASS CREEPING RED FESCUE KENTUCKY BLUEGRASS	1.25 3.25 0.4 0.4	40 40 40
NOVEMBER 1 – FEB. 29	USE MULCH ONLY OR DORMANT SEEDING.		

1. STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SUCH AS DIVERSIONS AND SEDIMENT TRAPS SHALL BE INSTALLED AND STABILIZED WITH TEMPORARY SEEDING PRIOR TO GRADING THE REST OF THE CONSTRUCTION SITE.
2. TEMPORARY SEED SHALL BE APPLIED BETWEEN CONSTRUCTION OPERATIONS ON SOIL THAT WILL NOT BE GRADED OR REWORKED FOR 21 DAYS OR GREATER. THESE IDLE AREAS SHALL BE SEEDED WITHIN 7 DAYS AFTER GRADING.
3. THE SEEDBED SHOULD BE PULVERIZED AND LOOSE TO ENSURE THE SUCCESS OF ESTABLISHING VEGETATION. TEMPORARY SEEDING SHOULD NOT BE POSTPONED IF IDEAL SEEDBED PREPARATION IS NOT POSSIBLE.
4. SOIL AMENDMENTS-TEMPORARY VEGETATION SEEDING RATES SHALL ESTABLISH ADEQUATE STANDS OF VEGETATION, WHICH MAY REQUIRE THE USE OF SOIL AMENDMENTS. BASE RATES FOR LIME AND FERTILIZER SHALL BE USED.
5. SEEDING METHOD-SEED SHALL BE APPLIED UNIFORMLY WITH A CYCLONE SPREADER, DRILL, CULTIPACKER SEEDER, OR HYDROSEEDER. WHEN FEASIBLE, SEED THAT HAS BEEN BROADCAST SHALL BE COVERED BY RAKING OR DRAGGING AND THEN LIGHTLY TAMPED INTO PLACE USING A ROLLER OR CULTIPACKER. IF HYDROSEEDING IS USED, THE SEED AND FERTILIZER WILL BE MIXED ON-SITE AND THE SEEDING SHALL BE DONE IMMEDIATELY AND WITHOUT INTERRUPTION.

MULCHING TEMPORARY SEEDING
1. APPLICATIONS OF TEMPORARY SEEDING SHALL INCLUDE MULCH, WHICH SHALL BE APPLIED DURING OR IMMEDIATELY AFTER SEEDING. SEEDINGS MADE DURING OPTIMUM SEEDING DATES ON FAVORABLE, VERY FLAT SOIL CONDITIONS MAY NOT NEED MULCH TO ACHIEVE ADEQUATE STABILIZATION.
2. MATERIALS:
-STRAW-IF STRAW IS USED, IT SHALL BE UNROTTED SMALL-GRAIN STRAW APPLIED AT A RATE OF 2 TONS PER ACRE OR 90 LBS./1,000 SQ.FT. (2-3 BALES)
-HYDROSEEDERS-IF WOOD CELLULOSE FIBER IS USED, IT SHALL BE USED AT 2000 LBS./AC. OR 46 LB./1,000-SQ.FT.
-OTHER-OTHER ACCEPTABLE MULCHES INCLUDE MULCH MATTINGS APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS OR WOOD CHIPS APPLIED AT 6 TON/AC.
3. STAW MULCH SHALL BE ANCHORED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR WATER. ANCHORING METHODS:
-MECHANICAL-A DISK, CRIMPER, OR SIMILAR TYPE TOOL SHALL BE SET STRAIGHT TO PUNCH OR ANCHOR THE MULCH MATERIAL INTO THE SOIL. STRAW MECHANICALLY ANCHORED SHALL NOT BE FINELY CHOPPED BUT LEFT TO A LENGTH OF APPROXIMATELY 6 INCHES.
-MULCH NETTING-NETTING SHALL BE USED ACCORDING TO THE MANUFACTURERS RECOMMENDATIONS. NETTING MAY BE NECESSARY TO HOLD MULCH IN PLACE IN AREAS OF CONCENTRATED RUNOFF AND ON CRITICAL SLOPES.
-SYNTHETIC BINDERS-SYNTHETIC BINDERS SUCH AS ACRYLIC DLR (AGRI-TAC), DCA-70, PETROSET, TERRA TRACK OR EQUIVALENT MAY BE USED AT RATES RECOMMENDED BY THE MANUFACTURER.
-WOOD-CELLULOSE FIBER-WOOD-CELLULOSE FIBER BINDER SHALL BE APPLIED AT A NET DRY WT. OF 750 LB./AC. THE WOOD-CELLULOSE FIBER SHALL BE MIXED WITH WATER AND THE MIXTURE SHALL CONTAIN A MAXIMUM OF 50 LB./100 GAL.

SPECIFICATIONS FOR CONSTRUCTION ENTRANCE:

1. STONE SIZE-ODOT #2 (1.5-2.5 INCH) STONE SHALL BE USED, OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH--THE CONSTRUCTION ENTRANCE SHALL BE AS LONG AS REQUIRED TO STABILIZE HIGH TRAFFIC AREAS BUT NOT LESS THAN 70 FT. (EXCEPT ON SINGLE RESIDENCE LOT WHERE A 30-FT. MINIMUM LENGTH APPLIES).
3. THICKNESS--THE STONE LAYER SHALL BE AT LEAST 6 IN. THICK FOR LIGHT DUTY ENTRANCES OR AT LEAST 10 INCHES FOR HEAVY DUTY USE.
4. WIDTH--THE ENTRANCE SHALL BE AT LEAST 14 FT. WIDE, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS AND EGRESS OCCURS.
5. GEOTEXTILE--A GEOTEXTILE SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE. IT SHALL BE COMPOSED OF STRONG ROT-PROOF POLYMERIC FIBERS AND MEET THE FOLLOWING SPECS.

GEOTEXTILE SPECIFICATION FOR CONSTRUCTION ENTRANCE	
MINIMUM TENSILE STRENGTH	200 LBS.
MINIMUM PUNCTURE STRENGTH	80 PSI
MINIMUM TEAR STRENGTH	50 LBS.
MINIMUM BURST STRENGTH	320 PSI
MINIMUM ELONGATION	20%
EQUIVALENT OPENING SIZE	EOS < 0.6 MM.
PERMITTIVITY	1 X 10-3 CM/SEC.

6. TIMING --THE CONSTRUCTION ENTRANCE SHALL BE INSTALLED AS SOON AS IS PRACTICABLE BEFORE MAJOR GRADING ACTIVITIES.
7. CULVERT--A PIPE OR CULVERT SHALL BE CONSTRUCTED UNDER THE ENTRANCE IF NEEDED TO PREVENT SURFACE WATER FLOWING ACROSS THE ENTRANCE FROM BEING DIRECTED OUT ONTO PAVED SURFACES.
8. WATER BAR--A WATER BAR SHALL BE CONSTRUCTED AS PART OF THE CONSTRUCTION ENTRANCE IF NEEDED TO PREVENT SURFACE RUNOFF FROM FLOWING THE LENGTH OF THE CONSTRUCTION ENTRANCE AND OUT ONTO PAVED SURFACES.
9. MAINTENANCE--TOP DRESSING OF ADDITIONAL STONE SHALL BE APPLIED AS CONDITIONS DEMAND. MUD SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADS, OR ANY SURFACE WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS, SHALL BE REMOVED IMMEDIATELY. REMOVAL SHALL BE ACCOMPLISHED BY SCRAPING OR SWEEPING.
10. CONTRUCTION ENTRANCES SHALL NOT BE RELIED UPON TO REMOVE MUD FROM VEHICLES AND PREVENT OFF-SITE TRACKING. VEHICLES THAT ENTER AND LEAVE THE CONSTRUCTION-SITE SHALL BE RESTRICTED FROM MUDDY AREAS.
11. REMOVAL-- THE ENTRANCE SHALL REMAIN IN PLACE UNTIL THE DISTURBED AREA IS STABILIZED OR REPLACED

NO.	DATE	DESCRIPTION	BY

SITE PLAN FOR
PERRINO CUSTOM HOMES

PP#20-A-024-H-00-009-0
10591 ANNA DRIVE
S/L 9 IN THE LAZIO'S RIDGE SUBDIVSION PH. 1
PLAT VOLUME 44, PAGE 31
CITY OF KIRTLAND, COUNTY OF LAKE
STATE OF OHIO

5425 WARNER ROAD - SUITE 12
VALLEY VIEW, OHIO 44125
440-602-9071
FAX 216-369-0259
AZTECH
ENGINEERING and SURVEYING
Civil Engineering ·Land Surveying

HORIZ. SCALE:	1" = 30'	VERT. SCALE:	
DRAWN BY:	CL	DATE:	4/16/2013
CHECKED BY:	SRL	DRAWING NO.:	20122621
JOB NO.:	20122621	SHEET	1 OF 2