

# CHARLES A. AND MARGARET L. SCARL

P.P.N. 08-A-030-0-00-011-0 DOCUMENT NO. 2007R037167 10725 PROUTY ROAD

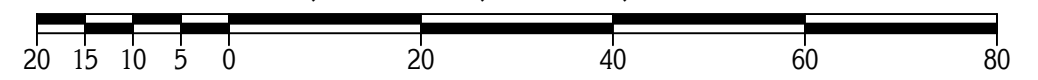
SITUATED IN THE TOWNSHIP OF CONCORD, COUNTY OF LAKE AND STATE OF OHIO AND KNOWN AS BEING PART OF ORIGINAL LOT NO. 36, IN TRACT NO. 4 AND PART OF ORIGINAL LOT NO. 7, IN TRACT NO. 3 WITHIN SAID TOWNSHIP, AND TOWNSHIP NO. 10 NORTH, RANGE VII WEST, IN THE CONNECTICUT WESTERN RESERVE SURVEY.

TOWNSHIP/CITY/VILLAGE:	MONTH: 23RD	PAGE:
CONCORD TOWNSHIP LOT NO. 36 IN TRACT NO. 4 AND LOT NO. 7 IN TRACT NO. 3 LAKE COUNTY, OHIO	OCTOBER	ONE
	YEAR: 2013	OF TWO
SURVEY FOR: CHARLES A. AND MARGARET L. SCARL		

REVISED: MAY 28TH, 2014



**TRUE NORTH  
ODOT VRS AND CORS GNSS NETWORK  
NAD83, NGVD88, GRS80, GEOID2012A**

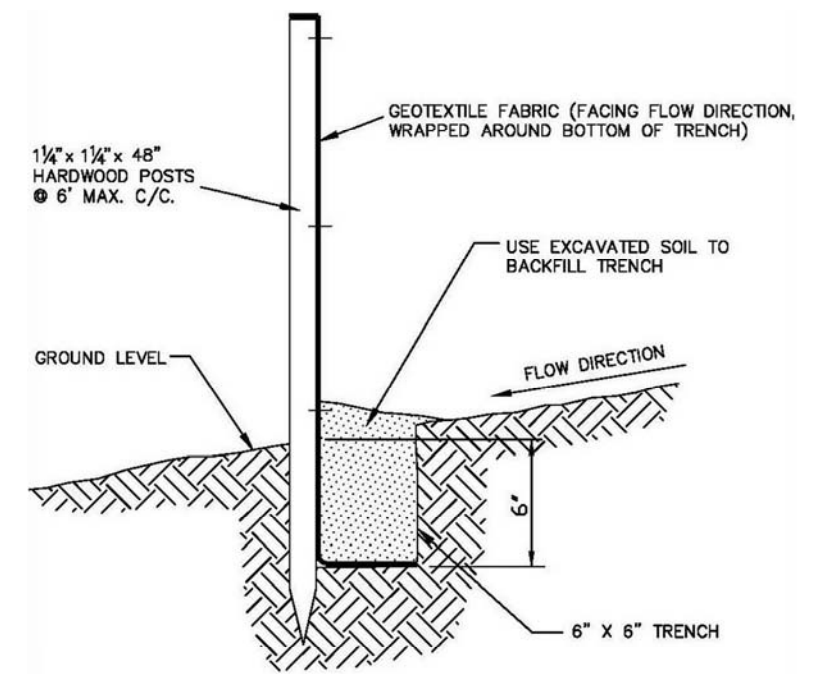


GRAPHIC SCALE: 1" = 20'

- - DENOTES 5/8" x 30" IRON (STEEL) REBAR PIN (#5 REBAR) WITH YELLOW PLASTIC CAP BEARING 'KOSIE P.S. 8167' SET
- DENOTES RIGHT-OF-WAY (R/W) CENTERLINE (C.L.)
- T.B.D. - DENOTES 'TO BE DETERMINED'
- DENOTES FLOW OF WATER (RUNOFF)
- ~ DENOTES EDGE OF WOODLINE

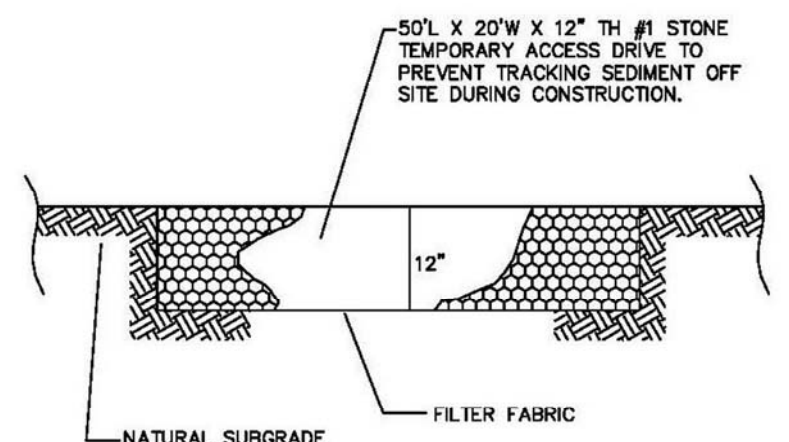
**PROPOSED GRADE  
EXISTING GRADE**

### SILT FENCE DETAIL



TYPICAL CROSS SECTION

### STONE ACCESS DRIVE DETAIL



NO SCALE

### TEMP. SEEDING DETAIL

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	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.
	Perennial Ryegrass	1	40 lb.
November 1 to Spring Seeding	Use mulch only, sodding practices or dormant seeding		

Note: other approved seed species may be substituted.

## PROUTY ROAD 60 FEET WIDE

T.B.M. #99

BOLT ON N. SIDE  
OF PLATE ON HYDRANT  
EL.: 785.94

I CERTIFY TO:

CHARLES A. AND MARGARET L. SCARL

THAT I HAVE SURVEYED THESE PREMESIS AND PREPARED THIS PLAT OF SURVEY IN ACCORDANCE WITH THE PROVISIONS OF CHAPTER 4733-37 OF THE OHIO REVISED CODE GOVERNING LAND SURVEYS IN THE STATE OF OHIO. THE BEARINGS SHOWN HEREON ARE BASED ON TRUE NORTH USING THE ODOT VRS AND CORS GNSS NETWORK (NAD83, NGVD88, GRS80, GEOID20012A). DISTANCES ARE BASED ON U.S. FEET WITH DECIMAL PARTS. THE ABOVE CERTIFICATION IS INTENDED ONLY TO THOSE PARTIES NAMED HEREIN, AND IS VALID ONLY WHEN ACCOMPANIED BY AN ORIGINAL SIGNATURE BELOW. THE UNDERSIGNED HAS NOT BEEN PROVIDED A TITLE EXAMINATION AND THIS SURVEY IS BASED ONLY ON THE DOCUMENTS SHOWN ON THIS PLAT OF SURVEY. NO LIABILITY IS ASSUMED FOR THE EXISTENCE OF ANY OTHER DOCUMENTS THAT MAY AFFECT THE SURVEYED PREMESIS THAT WOULD BE REVEALED BY A TITLE EXAMINATION. THE UNDERSIGNED ASSUMES NO LIABILITY FOR THE USE OF UNAUTHORIZED COPIES OF THIS PLAT OF SURVEY, NOR FOR ANY USE, OR RELIANCE UPON, BY PERSONS OTHER THAN THOSE SPECIFICALLY NAMED HEREIN FOR THE INTENDED PURPOSE OF THIS SURVEY.

ROBERT L. KOSIE, P.S.  
REGISTERED PROFESSIONAL LAND SURVEYOR  
REGISTRATION NO. 8167



**DBK PLAT NO. 710 2013**

This plat was prepared by  
**D.B. Kosie & Associates**  
Professional Land Surveying

11040 Madison Road  
Montville, Ohio 44064  
**440.286.2131**  
Fax: 440.968.3578  
[www.dbksurveys.com](http://www.dbksurveys.com)



P.P.N. 08-A-030-0-00-012-0  
WARREN AND BARBARA H. BLACKMORE  
DOCUMENT NO. 2002R038687  
PARCEL NO. 1

-NO CONCRETE TRUCK RINSING OR WASHOUT SHALL BE PERMITTED ON THIS SITE.  
-NO FUEL/LIQUID TANK STORAGE SHALL BE PERMITTED ON THIS SITE.  
-ALL VEHICLES ARE TO BE CLEANED AND MUD FREE PRIOR TO LEAVING THIS SITE. THE STREET IS TO BE KEPT CLEAN AT ALL TIMES DURING CONSTRUCTION. PROVISIONS SHOULD BE MADE FOR STREET SWEEPING / STREET CLEANING, AS NEEDED.

P.P.N. 08-A-030-0-00-069-0  
CHARLES A. AND MARGARET L. SCARL  
DOCUMENT NO. 2013R025378  
10687 PROUTY ROAD

FIN. FL. EL.: 781.5  
FIN. GAR. FL. EL.: 779.5  
TOP OF BLOCK EL.: 780.5  
FIN. BSMT. FL. EL.: 772.8  
TOP OF FOOTER: 772.5  
BOTTOM OF FOOTER EL.: 771.65

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. IF DISTURBED, 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. 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.

SILT FENCE TO BE PLACED PRIOR TO CONSTRUCTION SEE DETAIL

P.P.N. 08-A-018-0-00-026-0  
EARNESTINE M. JONES  
DOCUMENT NO. 2004R045037  
PARCEL NO. 2  
10731 PROUTY ROAD

NOTE: ALL DOWNSPOUTS TO BE SPLASH BLOCK OR TIED INTO FOOTER DRAIN

PROPOSED FOOTER DRAIN SIZE, LOCATION, AND PUMP DETAIL T.B.D. BY INSTALLER

PROPOSED OVERHEAD ELECTRIC, CABLE, AND TELEPHONE LOCATIONS T.B.D. BY UTILITY COMPANIES

PROPOSED WATER LINE LOCATION AND SHUT OFF T.B.D. BY UTILITY COMPANY

PROPOSED GAS LINE W/ TRACER WIRE T.B.D. BY DOMINION EAST OHIO GAS CO.

50' MIN. SETBACK  
TEMPORARY SEEDING/MULCHING AREA SEE DETAIL  
INGRESS-EGRESS STONE ACCESS DRIVE SEE DETAIL

5/8" IRON PIN FD. @ 26.42' FROM C.L. AND USED FOR PROP. LINE  
5/8" IRON PIN SET

EXISTING GAS LINE

12" CMP INV. EL.: 777.97

EXISTING SENSUS WATER METER

EXISTING WATER LINE

EXISTING WOODLINE  
**1.2975 GROSS ACRE PARCEL**  
(56520.6776 SQ. FT.)

SEE POLARIS ENGINEERING SEPTIC SITE PLAN & DETAILS PAGE 2 OF 2

P.P.N. 08-A-030-0-00-011-0  
CHARLES A. AND MARGARET L. SCARL  
DOCUMENT NO. 2007R037167  
10725 PROUTY ROAD

1 1/2 STORY FRAME "GETTYSBURG" STYLE 3 BEDROOM DWELLING HOUSE NO. 10725

2-CAR GARAGE

EXISTING GRAVEL DRIVEWAY

8" PINE

16" TREE

SHRUBS

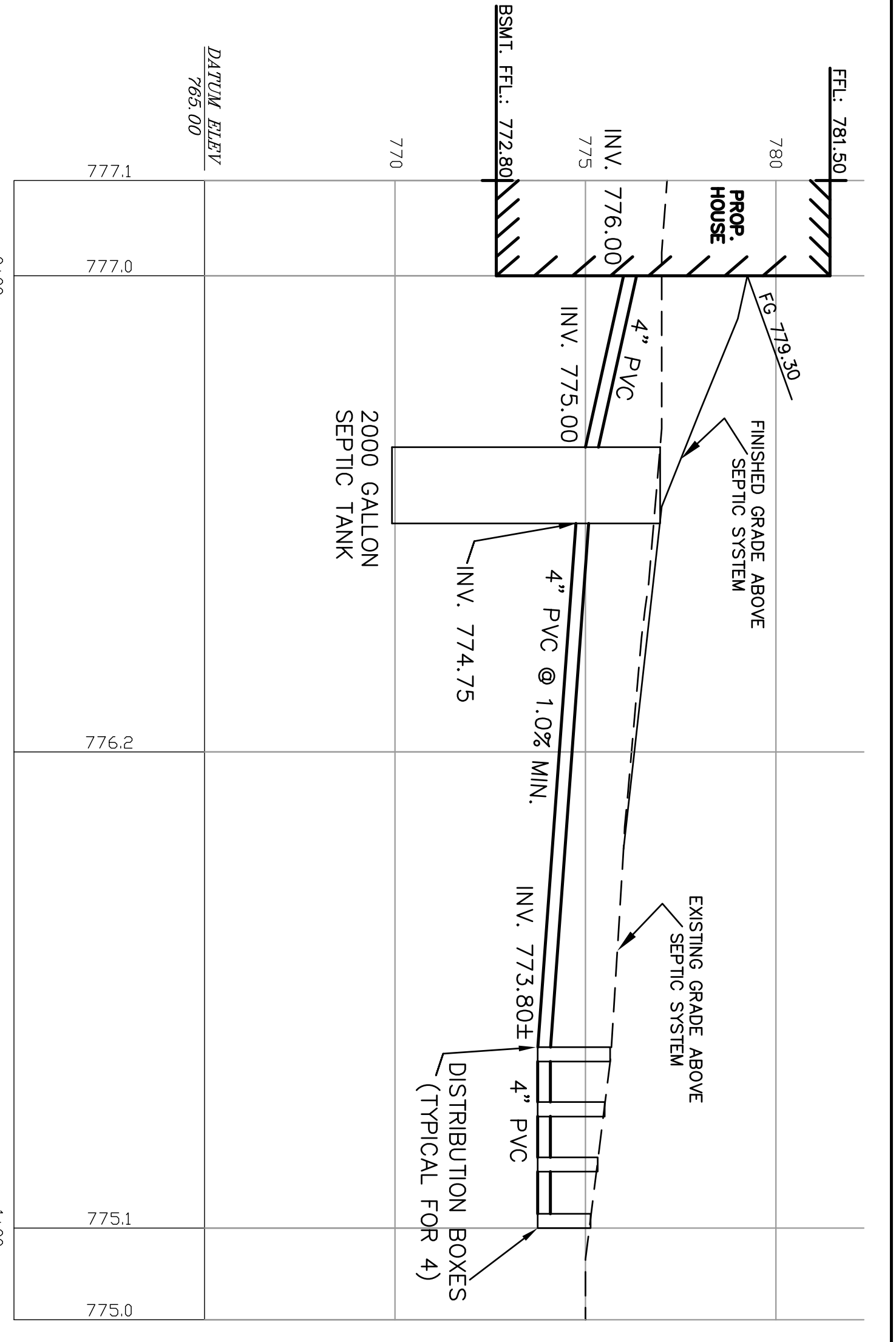
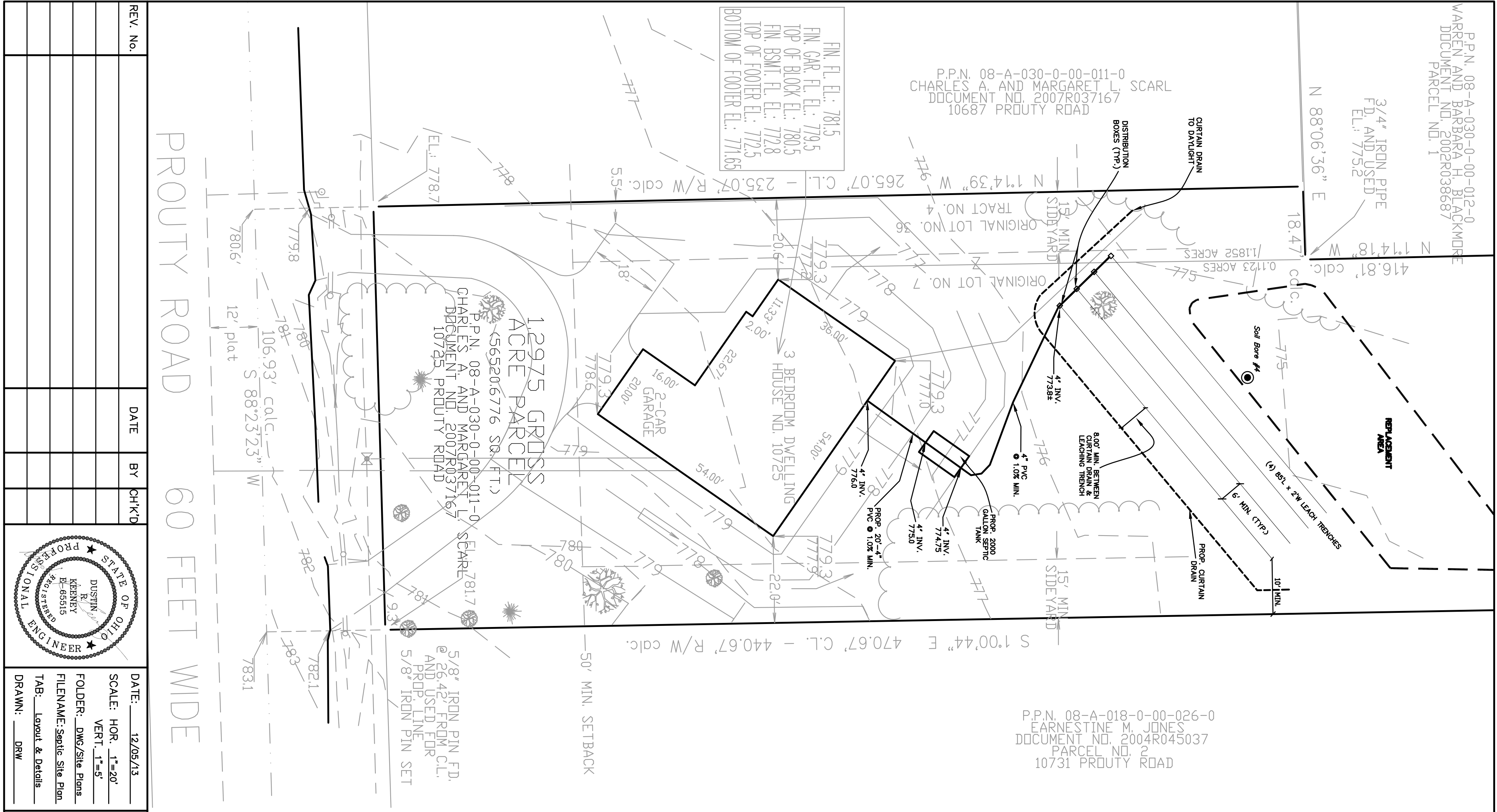
EXISTING SKUT OFF

6" STEEL - 60 PSI (L# 1625)

22' ASPHALT PAVEMENT

106.93' calc.

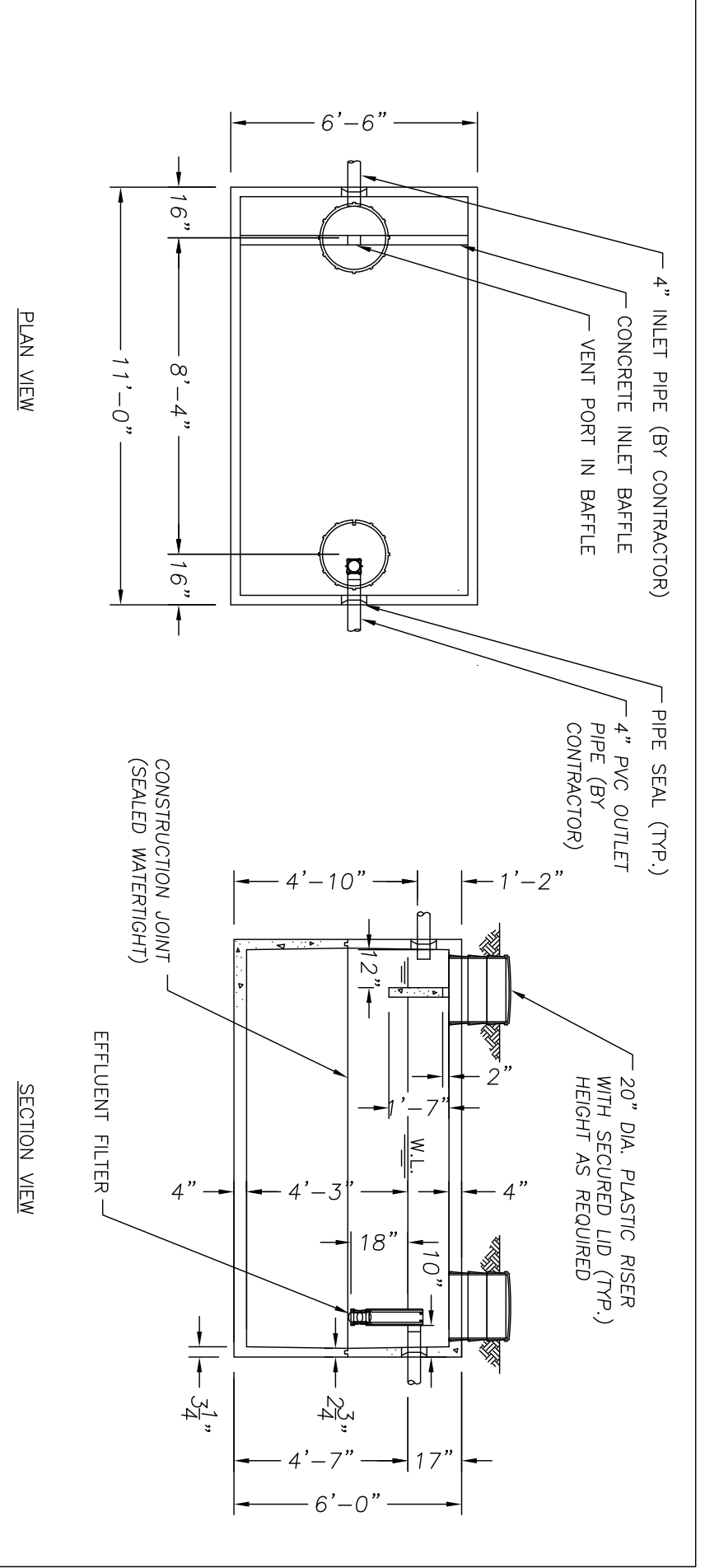
S 88°23'23" W



**NOTE:**  
THIS PLAN IS FOR SEPTIC SYSTEM.  
PROPERTY OWNER SHALL VERIFY ALL  
PROPOSED SEPTIC SYSTEM AND  
SITE PLAN IMPROVEMENTS.

### HYDRAULIC PROFILE

HORIZ. SCALE: 1"=20'  
VERT. SCALE: 1"=5'



STATE APPROVAL PENDING

2000 GALLON SEPTIC TANK			
DRAWN BY:	DMH	SCALE:	1/4"=1'-0"
DATE:	3-10-07	REV:	1) 4/12/07 DMH
DRAWING NO.:	2000 SEPTIC		

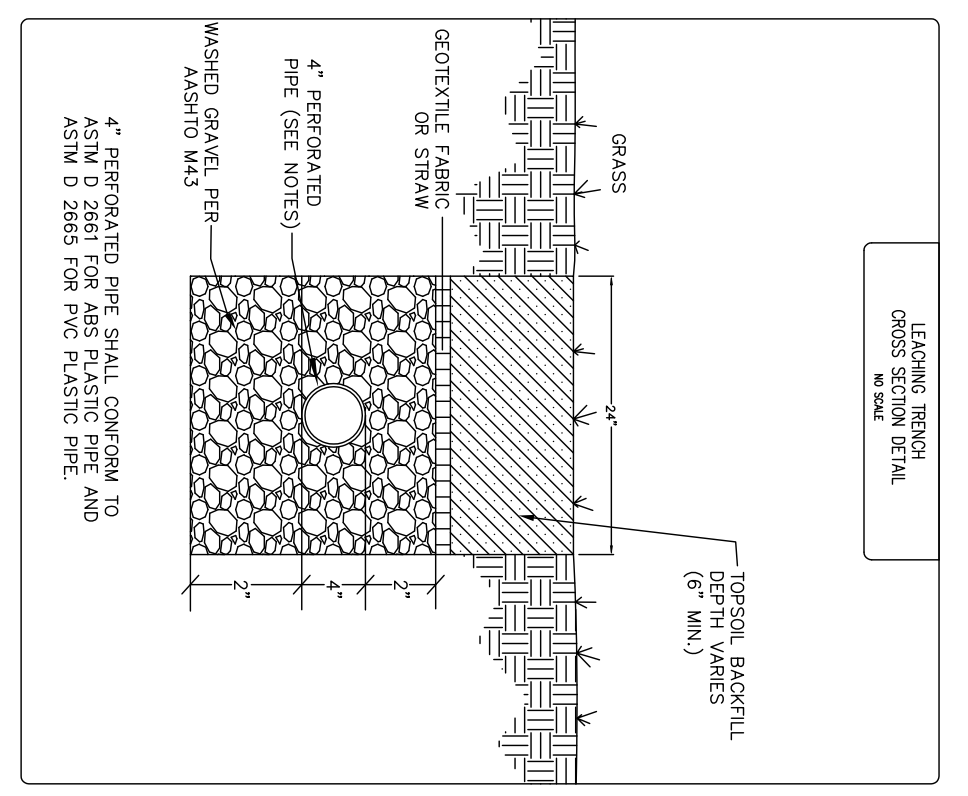
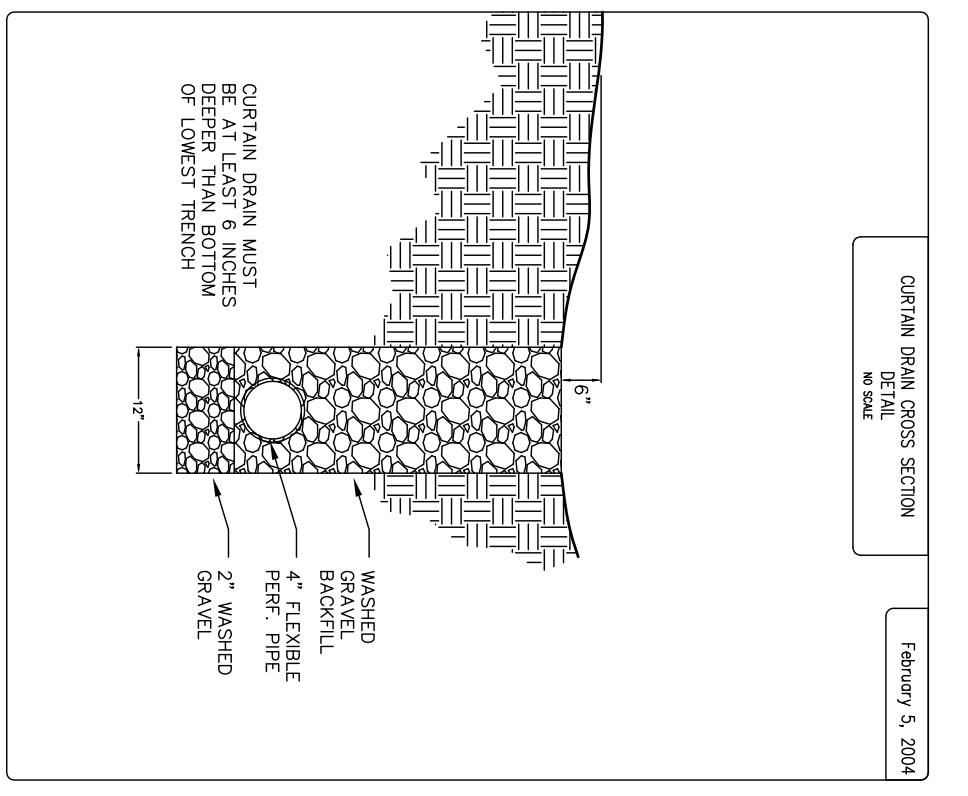
MACK INDUSTRIES, INC.  
201 COLUMBIA ROAD, WILLET CITY, OHIO 44280 (216)983-3111

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- SEPTIC DESIGN DATA:**
- Linear Loading Rate = 4.3 Gal/Day/Ft
  - Infiltration Loading Rate = 0.6 Gd/Day/Ft.Sq.Ft.
  - Field Area Required = 600 Sq.Ft.
  - System Length = 360/4.3=84'
  - Field Area Width = 4.3/0.6=7.2' = Use 8' (4'-2" Wide Trenches)
  - Perched Seasonal Water Table @ 44"
  - Bedrock > 72'
  - 3 Bedroom House = 360 Gal/Day

**NOTE:**  
OPERATION AND MAINTENANCE OF PROPOSED SEPTIC SYSTEM SHALL BE PER MANUFACTURER'S SPECIFICATIONS.

**PROPOSED SEPTIC DISTRIBUTION AREA MUST BE STAKED AND DISTURBANCE OF PLANTS AND TREES SHALL BE AVOIDED. THE DISTURBANCE OF PLANTS AND TREES MAY RESULT IN THE INVALIDATION OF THE DESIGN PLAN.**



**SEPTIC SYSTEM NOTES:**

- THE SEPTIC SYSTEM SOIL ABSORPTION AREA SHALL BE STAKED OUT AND MARKED OFF OR FENCED OFF PRIOR TO SITE DEVELOPMENT. THESE AREAS SHALL REMAIN UNDISTURBED.
- THE SEPTIC SYSTEM 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.
- PRIOR TO EXCAVATION THE REGISTER INSTALLER SHALL CHECK ALL ELEVATIONS IN THE LAYOUT PLAN RELATIVE TO THE ESTABLISHED BENCHMARK INCLUDING THE SURFACE CONTOURS AND PROPOSED BOTTOM ELEVATION OF EACH TRENCH AND THE FLOW LINE ELEVATION OF THE SYSTEM TO ASSURE PROPER FLOW THROUGH THE SYSTEM.
- LEADING TRENCH MATERIAL SHALL BE PLACED IN A MANNER THAT PREVENTS COMPACTION OF THE INFILTRATIVE SURFACE AND UNDERMINES THE SYSTEM.
- SUITABLE BACK FILL AND COVER MATERIAL SHALL NOT BE COMPACTED AND SHALL ALLOW FOR SETTLING. THE SOIL UNDERLAYER CONDITIONS SHALL BE EVALUATED AT THE TIME OF INSTALLATION AND THE EXCAVATION OR PREPARATION OF THE SOIL INFILTRATION INTERFACE SUCH AS A TRENCH OR BASIN, SHALL NOT PROCEED WHEN THERE IS A RISK OF SHEARING OR COMPACTION AS EVIDENCED BY A DEFORMABILITY TEST, COMMONLY KNOWN AS A RIBBONING, OR OTHER MEANS ESTABLISHED BY THE BOARD OF HEALTH.
- A BUILDING SEWER SHALL BE WATER TIGHT, HAVE A MINIMUM DIAMETER OF FOUR INCHES AND BE CONSTRUCTED OF DURABLE MATERIAL CONFORMING TO ASTM D 2661 FOR ABS PLASTIC PIPE AND ASTM D 2665 FOR PVC PLASTIC PIPE (TYPE DWV) OR EQUIVALENT. PIPE, FITTINGS AND JOINTING MATERIALS SHALL BE CHEMICALLY AND PHYSICALLY COMPATIBLE.
- CLEANOUTS SHALL BE REQUIRED IN A BUILDING SEWER AT ANY TURN IN THE PIPE GREATER THAN FORTY-FIVE FEET INTERVAL. THEREAFTER, A BUILDING SEWER PIPE EXCEEDS ONE HUNDRED FEET AND AT EVERY ONE HUNDRED FEET INTERVAL THEREAFTER.
- CHANGES SHALL BE PROVIDED IN AREAS WHERE A BUILDING SEWER MAY BE SUBJECT TO LOADS WHICH MAY CAUSE DAMAGE.
- BASELINE RECORDS AND ANY SOIL ABSORPTION COMPONENT OPERATION AND MAINTENANCE INSTRUCTIONS SHALL BE PROVIDED TO THE OWNER AND SHALL BE MAINTAINED AS A CONDITION OF INSTALLATION APPROVAL.
- THE SITE INSTALLER IS REQUIRED TO CONSULT WITH THE DESIGNER REGARDING ANY INTENDED CHANGES TO THE PLAN. THE OWNER SHALL BE REQUIRED TO HIRE AN APPROVED SEPTIC HAULER TO PUMP THE SEPTIC TANK AS REQUIRED BASED UPON FLOWS, SOLID BUILD UP, ETC.
- ALL O&M SHALL BE PER MANUFACTURER'S INSTRUCTIONS AND SPECIFICATIONS FOR THE PARTICULAR SYSTEM COMPONENT.

**SEPTIC TANK NOTES:**

- SEPTIC TANKS MUST BE STRUCTURALLY SOUND, WATER TIGHT, AND OF PROPER CAPACITY.
- JOINT SEALANTS / CONNECTIONS SHALL BE WATER TIGHT AND SHALL MEET ASTM C 990.
- INLET AND OUTLET PIPE CONNECTIONS TO THE TANKS MUST BE WATER TIGHT AND MEET ASTM C 923.
- TANK DESIGN CAPACITY:
  - 4-5 BEDROOMS = 2000 GALLONS (TWO COMPARTMENTS)
  - 6-8 BEDROOMS = 1500 GALLONS (TWO COMPARTMENTS)
- WHEN USING TANKS IN A SERIES, THE FIRST TANK, IF OF A DIFFERENT SIZE, SHALL BE THE LARGER TANK.
- WHEN USING TANKS IN A SERIES, THE FIRST TANK, IF OF A DIFFERENT SIZE, SHALL BE THE LARGER TANK.
- THE OUTLET SHALL BE FITTED WITH A VENTED TIE OR BATTLE THAT SHALL EXTEND NOT LESS THAN SIX INCHES SIX INCHES BELOW THE LIQUID LEVEL, BUT SHALL NOT BE GREATER THAN THAT FOR THE OUTLET DEVICE.
- THE VENTED INLET BATTLE OR TIE SHALL DIVERT THE INCOMING SEWAGE DOWNWARD REVEALING AT LEAST SIX INCHES BELOW THE LIQUID LEVEL.
- THE SEPTIC TANK SHALL HAVE A LIQUID DRAWING DEPTH OF NOT LESS THAN FOUR FEET AND THE AIR GAP TO SEPTIC TANK ACCESS OPENINGS SHALL BE LOCATED ABOVE THE INLET AND THE OUTLET OF THE TANK.
- ALLOW FOR ADEQUATE SPACE FOR PUMPING, INSPECTION, OR MAINTENANCE. TO GRADE OR ABOVE GRADE TO PROVIDE ACCESS TO THE INLET AND THE OUTLET OF THE TANK.
- THE TANK SHALL INCORPORATE JOINT GROOVES OR ADAPTERS TO PREVENT LATERAL MOVEMENT OF THE RISERS.
- THE SEPTIC TANK SHALL BE INSTALLED TO BE AT LEAST ONE FOOT BELOW GRADE UNLESS THE BOARD OF HEALTH OR ACCESS. THE TANK SHALL BE INSTALLED ONE FOOT BELOW GRADE UNLESS THE BOARD OF HEALTH OR ACCESS. THE TANK SHALL BE INSTALLED ONE FOOT BELOW GRADE UNLESS THE BOARD OF HEALTH OR ACCESS.
- WHEN THE TANK IS INSTALLED FOR A SHALLOWER SEPTIC TANK DEPTH AND THE TANK IS DESIGNED TO WITHSTAND THE ADDITIONAL LOAD.

REV. NO.	DATE	BY	CHK'D

DATE: 12/08/13

SCALE: HOR: 1"=20'  
VERT: 1"=5'

FOLDER: DWG/Site Plans  
FILENAME: Septic Site Plan  
TAB: Layout & Details  
DRAWN: DMH

STATE OF OHIO PROFESSIONAL ENGINEERING EXAMINER  
DUSTIN R. KESNEY  
#65315

10725 PROUTY ROAD  
MARGARET SCARL  
CITY OF PAINESVILLE-LAKE COUNTY-OHIO

POLARIS ENGINEERING & SURVEYING, INC.  
34600 CHARDON ROAD - SUITE D  
WILLOUGHBY HILLS, OHIO 44094  
(440) 944-4433 (440) 944-3722 (fax)  
www.polaris-es.com

SEPTIC SITE PLAN & DETAILS

CONTRACT NO.	13160
SHEET	2
OF	2