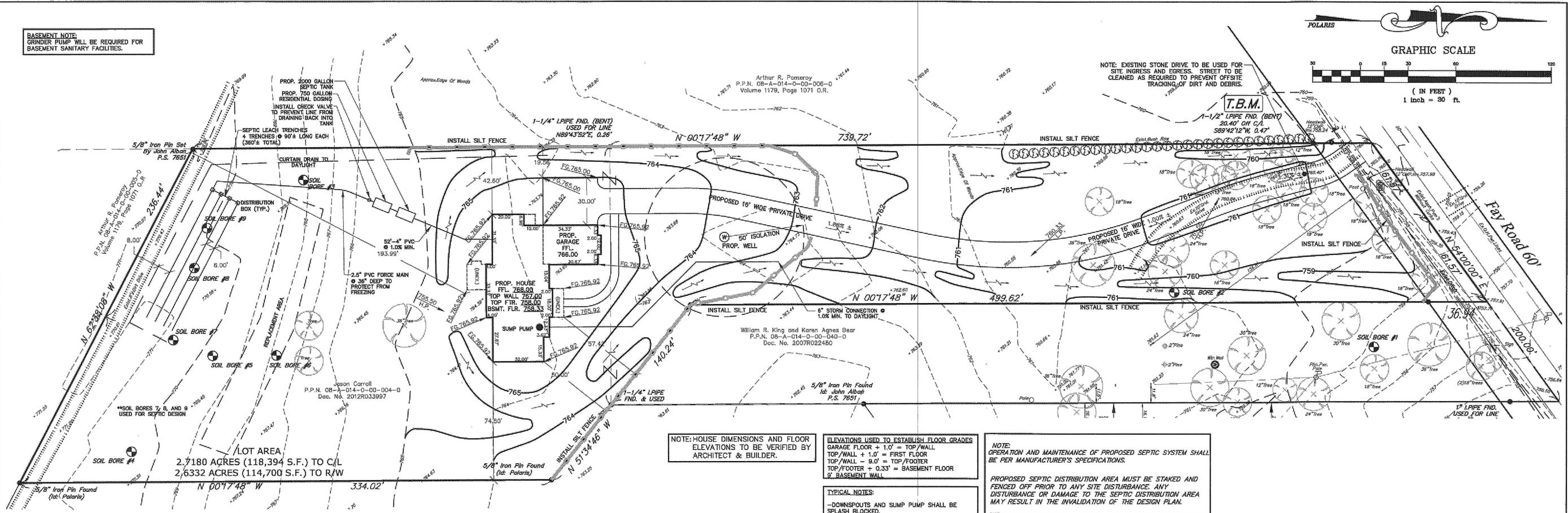
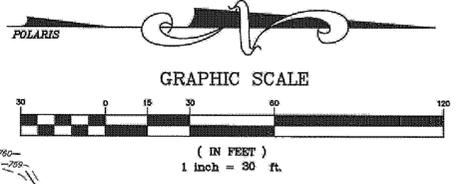


BASEMENT NOTE:
GRINDER PUMP WILL BE REQUIRED FOR
BASEMENT SANITARY FACILITIES.



NOTE: HOUSE DIMENSIONS AND FLOOR ELEVATIONS TO BE VERIFIED BY ARCHITECT & BUILDER.

ELEVATIONS USED TO ESTABLISH FLOOR GRADES
GARAGE FLOOR + 1.0' = TOP/WALL
TOP/WALL + 1.0' = FIRST FLOOR
TOP/WALL - 9.0' = TOP/FOOTER
TOP/FOOTER + 0.33' = BASEMENT FLOOR
9' BASEMENT WALL

NOTE: OPERATION AND MAINTENANCE OF PROPOSED SEPTIC SYSTEM SHALL BE PER MANUFACTURER'S SPECIFICATIONS.
PROPOSED SEPTIC DISTRIBUTION AREA MUST BE STAKED AND FENCED OFF PRIOR TO ANY SITE DISTURBANCE. ANY DISTURBANCE OR DAMAGE TO THE SEPTIC DISTRIBUTION AREA MAY RESULT IN THE INVALIDATION OF THE DESIGN PLAN.

TYPICAL NOTES:
-DOWNSPOUTS AND SUMP PUMP SHALL BE SPLASH BLOCKED.
-SEE ARCHITECTURAL PLANS FOR FINAL DOWNSPOUT LOCATIONS

LOT AREA
2.7180 ACRES (118,394 S.F.) TO C/L
2,6332 ACRES (114,700 S.F.) TO R/W

SEPTIC DESIGN DATA:
-Linear Loading Rate = 4.3 Gal/Day/Ft
-Infiltration Loading Rate = 0.6 Gal/Day/Ft.Sq'.
-Perched Seasonal Water Table > 24"
-System Length = 360/4.3 = 84' Min.
-System Width = 4.3/0.6 = 7.2' Min (Use 8' - (4) 2' Wide Trenches)
-System Area Required = 360/0.6 = 600 SF
-System Area Provided = 4 Lines x 2' Wide x 90' Long = 720 SF
-Bedrock > 53"
-3 Bedroom House = 360 Gal/Day

SEPTIC SYSTEM NOTES:
THE SEPTIC SYSTEM SOIL ABSORPTION AREA SHALL BE STAKED OUT AND roped off OR FENCED OFF PRIOR TO START OF CONSTRUCTION. NO HEAVY EQUIPMENT SHALL BE OPERATED IN THESE AREAS, NO PARKING OR MATERIAL STORAGE SHALL OCCUR IN THESE AREAS. 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.
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 TWENTY-(20) DAYS SHALL BE PROPERLY SEEDED AND STRAW MULCHED WITHIN SEVEN (7) DAYS OF COMPLETION OF INITIAL GRADING. TEMPORARY SEEDING AND MULCHING OF A NINETY (90) FOOT STRIP OF THE ENTIRE FRONT OF THE LOT SHALL BE MAINTAINED ON THE SITE SINCE 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 TWENTY-(20) 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 TABLES ARE BASED ON THE DESCRIPTIONS AND STANDARDS OF THE OHIO DEPARTMENT OF NATURAL RESOURCES' FURNITURE 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.

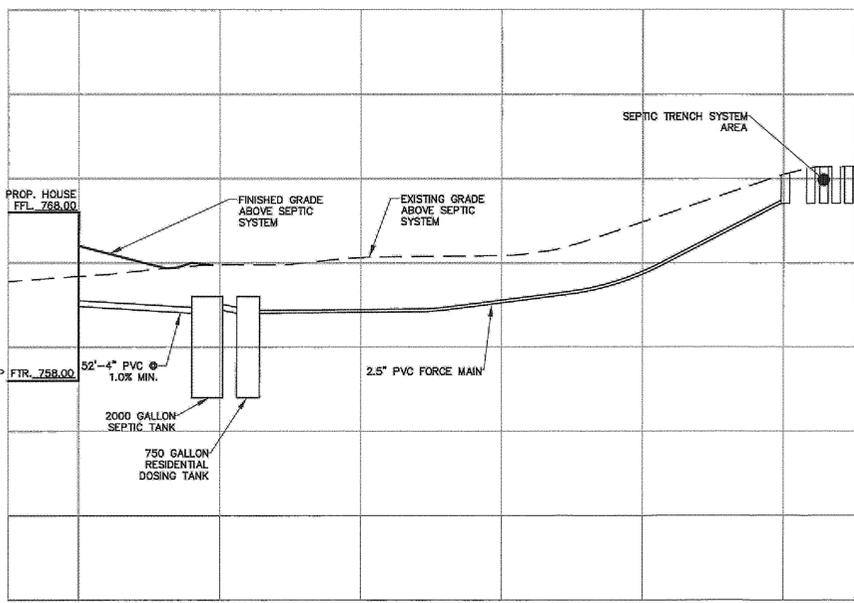
EXISTING UNDERGROUND UTILITIES NOTE:
THE SIZE AND LOCATION, BOTH HORIZONTAL AND VERTICAL OF THE UNDERGROUND UTILITIES SHOWN HEREON, HAVE BEEN OBTAINED BY A SEARCH OF AVAILABLE RECORDS. VERIFICATION BY FIELD OBSERVATION HAS BEEN CONDUCTED WHERE PRACTICAL. HOWEVER, POLARIS ENGINEERING & SURVEYING, INC.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

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

REVIEWED AND ACCEPTED
LAKE COUNTY GENERAL HEALTH DISTRICT
Date: 10-29-13
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.

CONCORD TOWNSHIP ZONING OFFICE
Zoning Permit # 1013-15180
Date Issued: 10/31/13
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.

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



HYDRAULIC PROFILE
N.T.S.



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: *Dustin R. Keeney* DATE: 9/17/13

BENCHMARK:
B.M. = T.B.M Set On Top of 1.5" Iron Pipe
Located at Northwest Property Corner at 20.40' off CL
Elevation 759.14



"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:

11512 FAY ROAD
P.P.N. 8-A-014-0-00-004-0
CONCORD TOWNSHIP - LAKE COUNTY - OHIO
SHEET 1 OF 2

Stormwater Management Plan
Approved as shown and/or noted
JAMES R. GILLS, P.E.
County Drainage Engineer
By: *J.S.* Date: 11-5-13