

LAYOUT 10/29/2014 INSP 4 _____

INSP 2 10/31/2014 INSP 5 _____

INSP 3 11/3 INSP 6 _____

ISSUE DATE: 7/22/15 **PERMIT** P _____

APPROVAL DATE: 7/1/2015 A _____

**ON-SITE SEWAGE DISPOSAL SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH**

Freedom Septic IS PERMITTED TO INSTALL ALTER

ADDRESS: _____ PHONE NUMBER: _____

SUBDIVISION: Walnut Creek LOT NUMBER: 15

ADDRESS: 12217 Basslers Way PROPERTY OWNER: _____

SEPTIC TANK CAPACITY (GALLONS): _____ OUTLET BAFFLE FILTER REQUIRED

PUMP CHAMBER CAPACITY (GALLONS): 1000 COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: _____

SQUARE FEET PER BEDROOM: _____

LINEAR FEET OF TRENCH REQUIRED: _____

TRENCHES:	Trench to be _____ feet wide. Inlet _____ feet below original grade. Bottom maximum depth _____ feet below original grade. Effective area begins at _____ feet below original grade. _____ feet of stone below distribution pipe.
LOCATION:	_____
NOTES:	_____

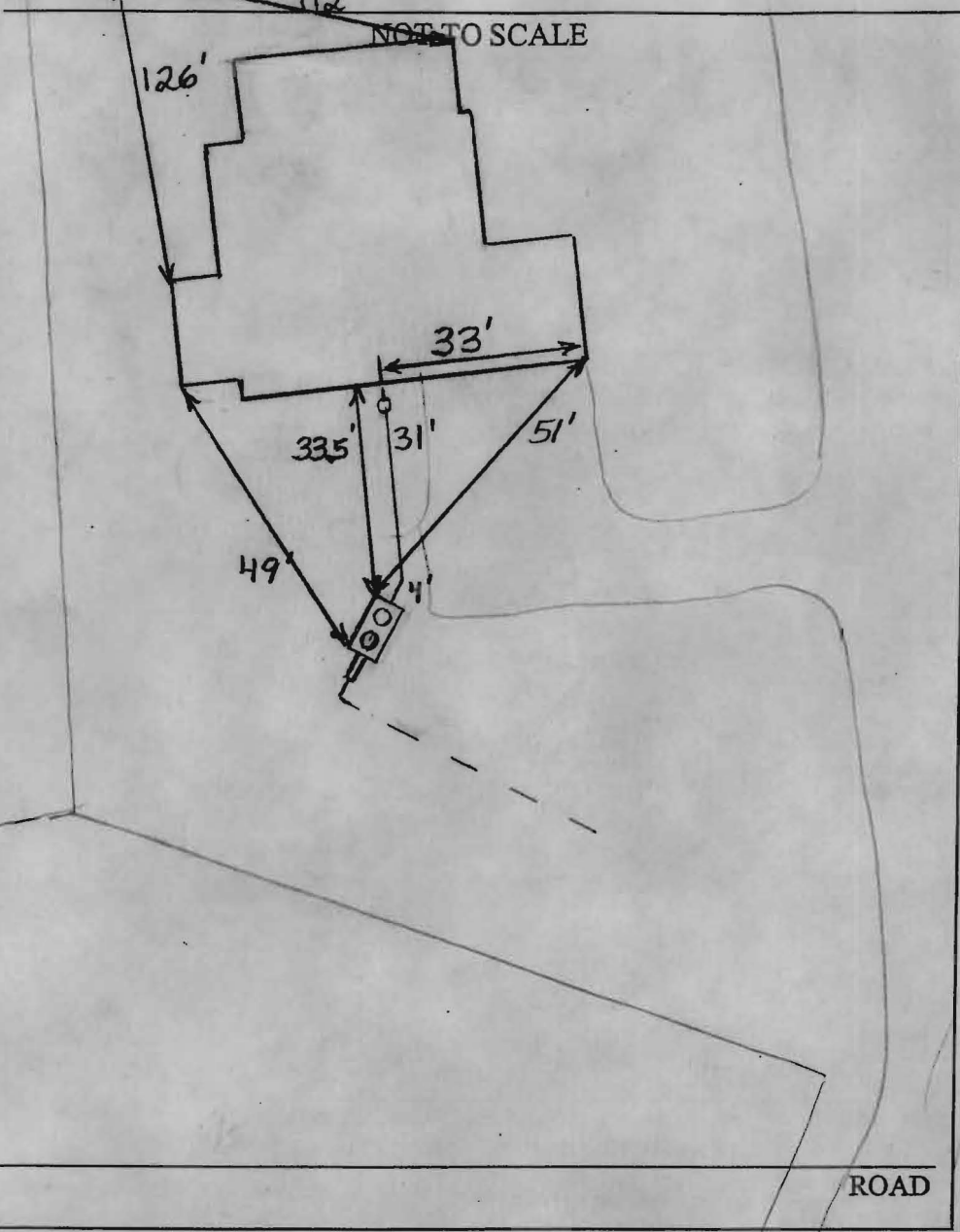
PLANS APPROVED: _____ DATE: _____

- NOTE: PERMIT VOID AFTER 2 YEARS
- NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT CALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

HO-95-1395

NOT TO SCALE



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
_____	_____	_____
NUMBER OF TRENCHES _____		
TOTAL LENGTH _____		
ABSORPTION AREA _____		
DISTRIBUTION BOX LEVEL _____		
DISTRIBUTION BOX BAFFLE _____		
DISTRIBUTION BOX PORT _____		

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	<u>Yes</u>
Pump Tank	CAPACITY <u>1000</u> GAL
	SEAM LOC <u>Top</u>
	TANK LID DEPTH <u>0.5-1.5'</u>
	BAFFLES <u>No</u>
	BAFFLE FILTER <u>No</u>
	MANHOLE LOC <u>Front + Rear</u>
	6" PORT LOC <u>None</u>
	WATERTIGHT TEST <u>No</u>
SEPTIC TANK 2 LEVEL	_____
CAPACITY _____ GAL	_____
SEAM LOC	_____
TANK LID DEPTH	_____
BAFFLES	_____
BAFFLE FILTER	_____
MANHOLE LOC	_____
6" PORT LOC	_____
WATERTIGHT TEST	_____

PRE-CONSTRUCTION 10/29/2014 Set tank per staked location (BB)

INSTALLATION 10/31/2014 Need house connection. Tank set (BB)

11/3/2014 Installing pump line to E-One unit (BB)

11/5/2014 Almost finished pump line. O.K. to cover when done. Still need house connection, pump and alarm test and approval of E-One unit by utilities (BB) 7/1/2015 Received approval from utilities for grinder pump (BB)

FINAL INSPECTOR B. Baker

DATE OF APPROVAL 7/1/2015

Baker, Brian

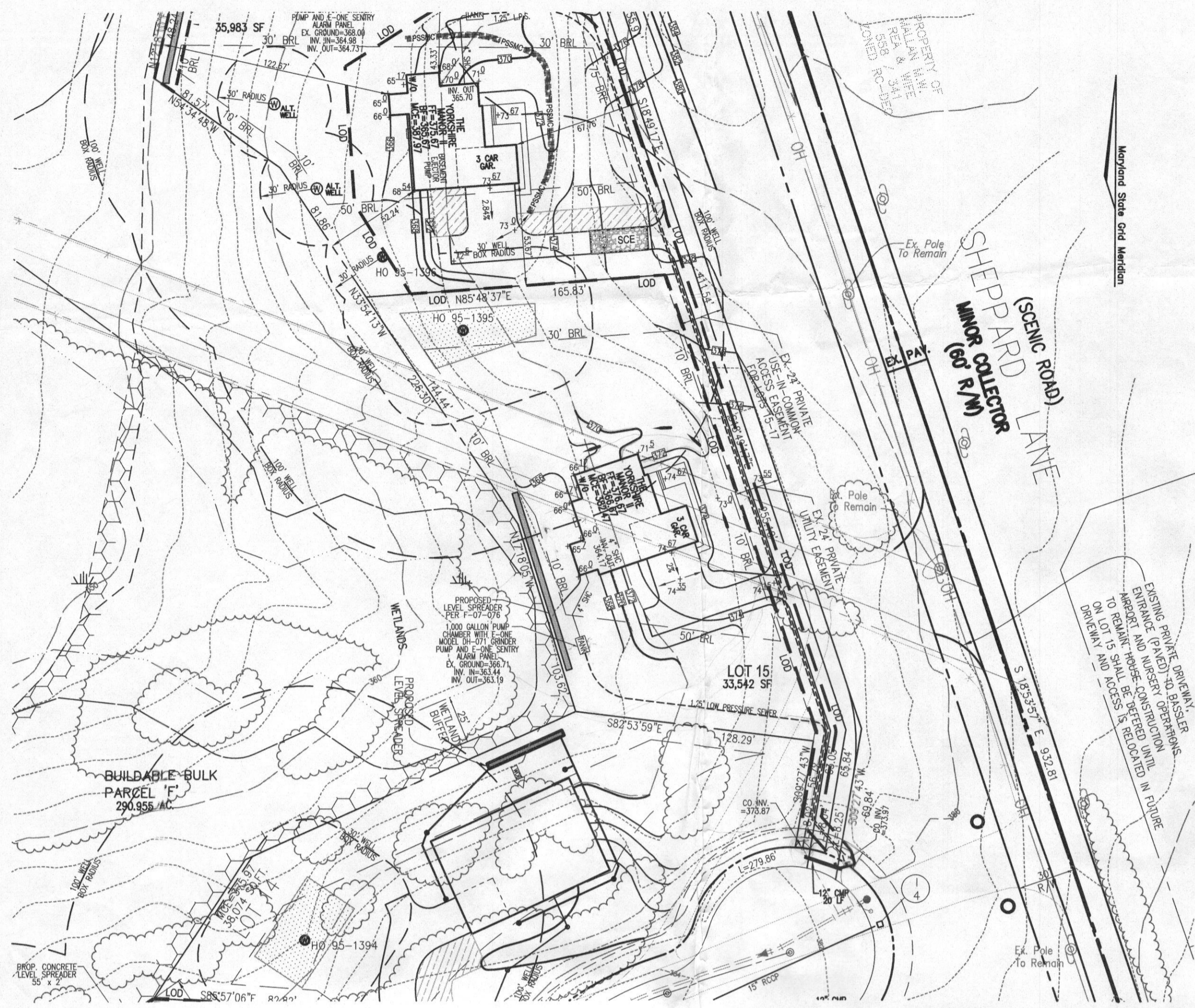
From: Tuder, Matt
Sent: Wednesday, July 01, 2015 6:45 AM
To: Harris, Leslie; Wolf, Kevin
Cc: Baucom, Scott; Hart, Amy; Rocco, Anthony; Baker, Brian; Martin, Sharhonda; Tuder, Matt; Williams, Jeffrey; Bozzell, Duane; Bernard, Dana; jmatta@trinityhomes.com
Subject: U&O Release 12217 Basslers Way

This morning, Duane Bozzell observed the start-up of a Sewage Grinder Pump at the Walnut Creek Shared Septic System:

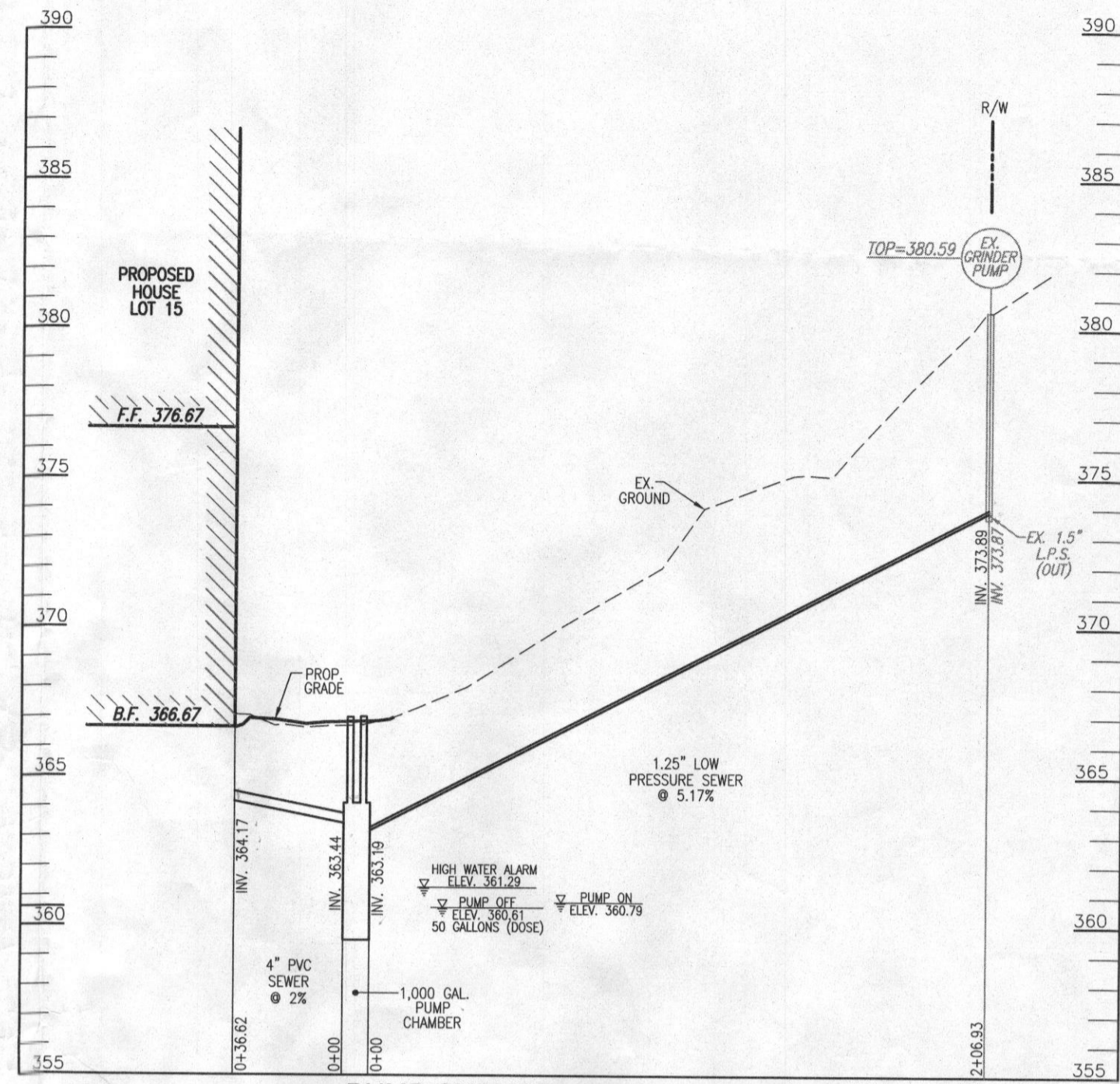
Walnut Creek, Contract 50-4440-D
Trinity Homes, Lot #15
12217 Basslers Way
Clarksville, MD 21029

The Sewage Grinder Pump test was successful; the Bureau of Utilities releases its hold on this property for U&O.

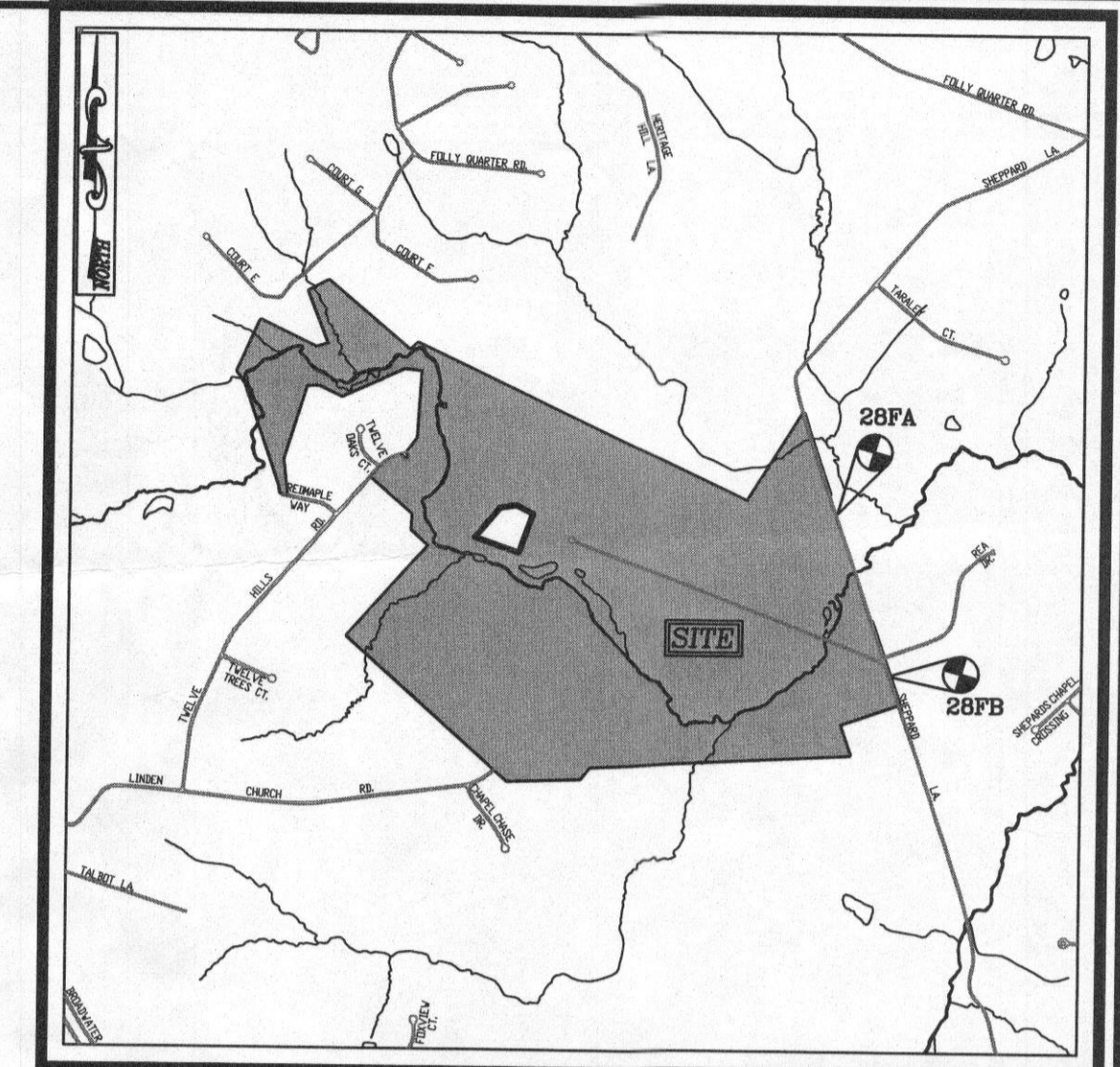
Matt
410-313-4934 office
410-978-1320 mobile



PLAN
SCALE: 1"=50'



PUMP CHAMBER PROFILE - LOT 15
SCALE: HORIZONTAL - 1"=50'
VERTICAL - 1"=5'

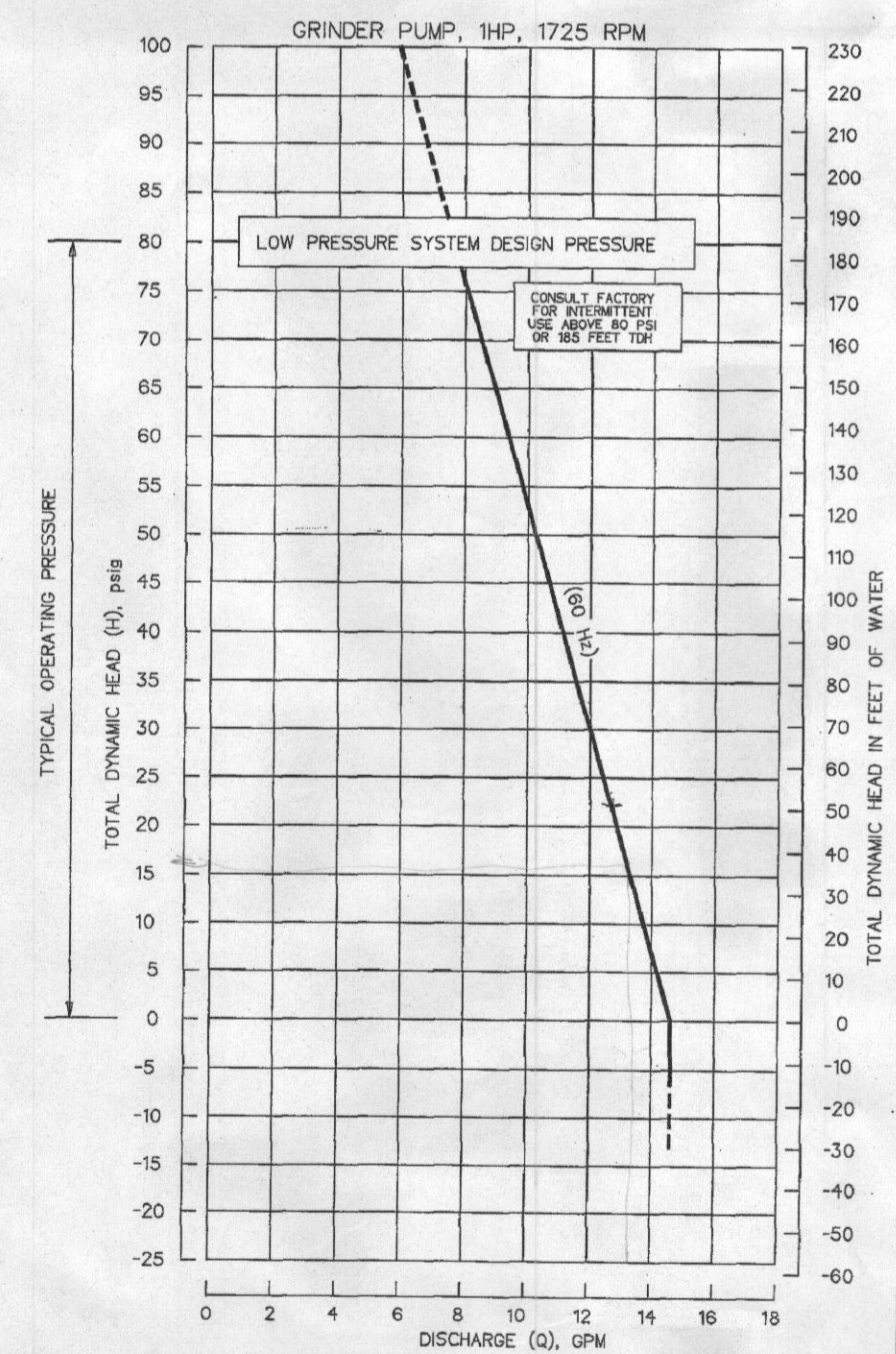


VICINITY MAP
SCALE: 1"=2000'
ADC MAP: 14, E2

LEGEND

EXISTING 2' CONTOUR	---	382
EXISTING 10' CONTOUR	---	350
RIGHT-OF-WAY	---	
BOUNDARY	---	
ADJACENT BOUNDARY	---	
EXISTING WELL FIELD LOCATED	⊙	
APPROVED WELL AREA	⊙	

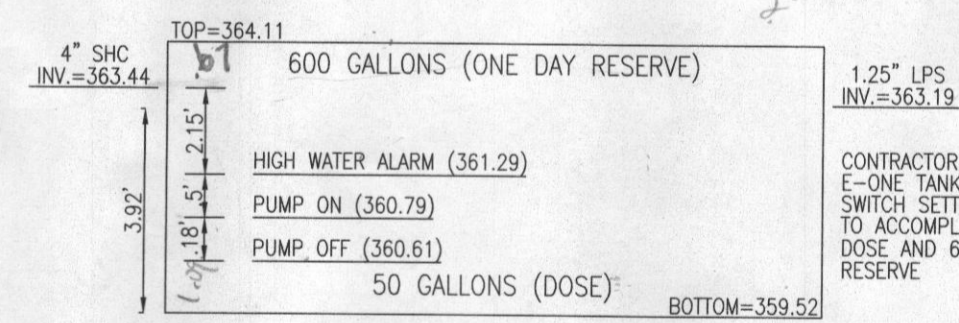
EJONE SPD PUMP PERFORMANCE CURVE



ESD 08-0022 REV. 2, 6/08

1,000 GALLON PUMP CHAMBER W/ E-ONE MODEL DH-071 GRINDER PUMP

OUTSIDE TO OUTSIDE DIM: 8.83' x 5.25'
INSIDE TO INSIDE DIM: 8.16' x 4.58'
INSIDE CROSS SECTIONAL AREA: 37.37 SF



NOT TO SCALE

600 GALLONS / 7.48 GAL./FT³ = 80.21 FT³
80.21 FT³ / 37.37 SF = 2.15'
50 GALLONS / 7.48 GAL./FT³ = 6.68 FT³
6.68 FT³ / 37.37 SF = 0.18'

USE E-ONE PUMP - 1 HP PUMP CURVE

FRICITION: $205 + (2.4 \times 1) + (4.0 \times 3) = 219.4' = 1.15'/100 = 2.5'$
STATIC: $373.97 - 359.74 = 14.2'$
TDH = $14.2' + 2.5' = 16.7'$

Approved Septic System Plan
Howard County Health Department
Signature: *[Signature]* 8/26/14
Date: *[Signature]*

OWNER/DEVELOPER
TRINITY QUALITY HOMES, INC.
3675 PARK AVENUE, SUITE 301
ELLCOTT CITY, MARYLAND 21043
(410) 480-0023

SEPTIC INFORMATION

WALNUT CREEK - LOT 15
12217 BASSLERS WAY
ELLCOTT CITY, MD 21042

TAX MAP: 28 BLOCK: 11
5TH ELECTION DISTRICT

PARCEL: 49
ZONED: RR-DEO & RC-DEO
HOWARD COUNTY, MARYLAND

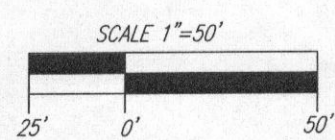
ROBERT H. VOGEL, INC.
ENGINEERS • SURVEYORS • PLANNERS
8407 MAIN STREET
ELLCOTT CITY, MD 21043
TEL: 410.461.7666
FAX: 410.461.8961

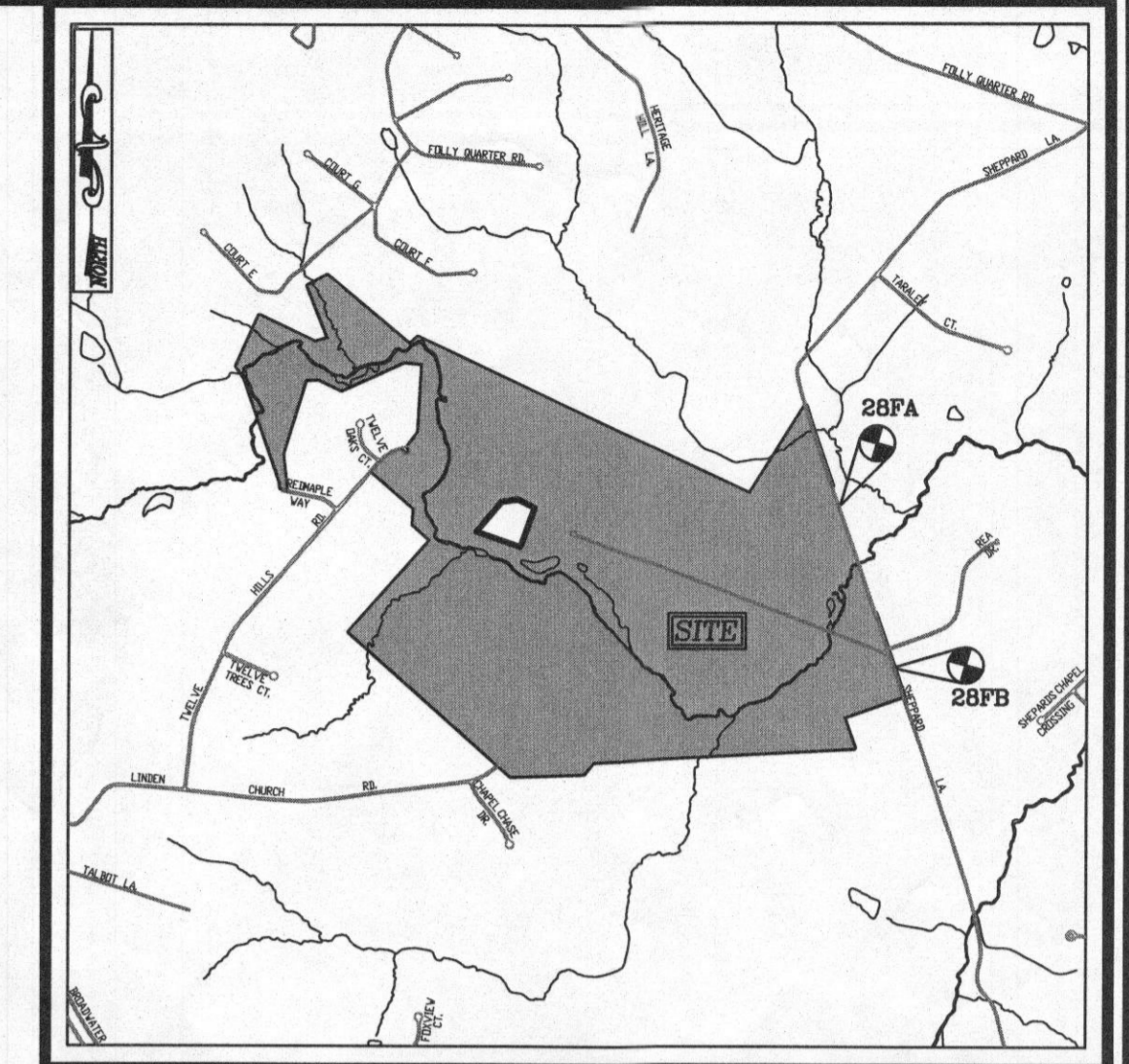
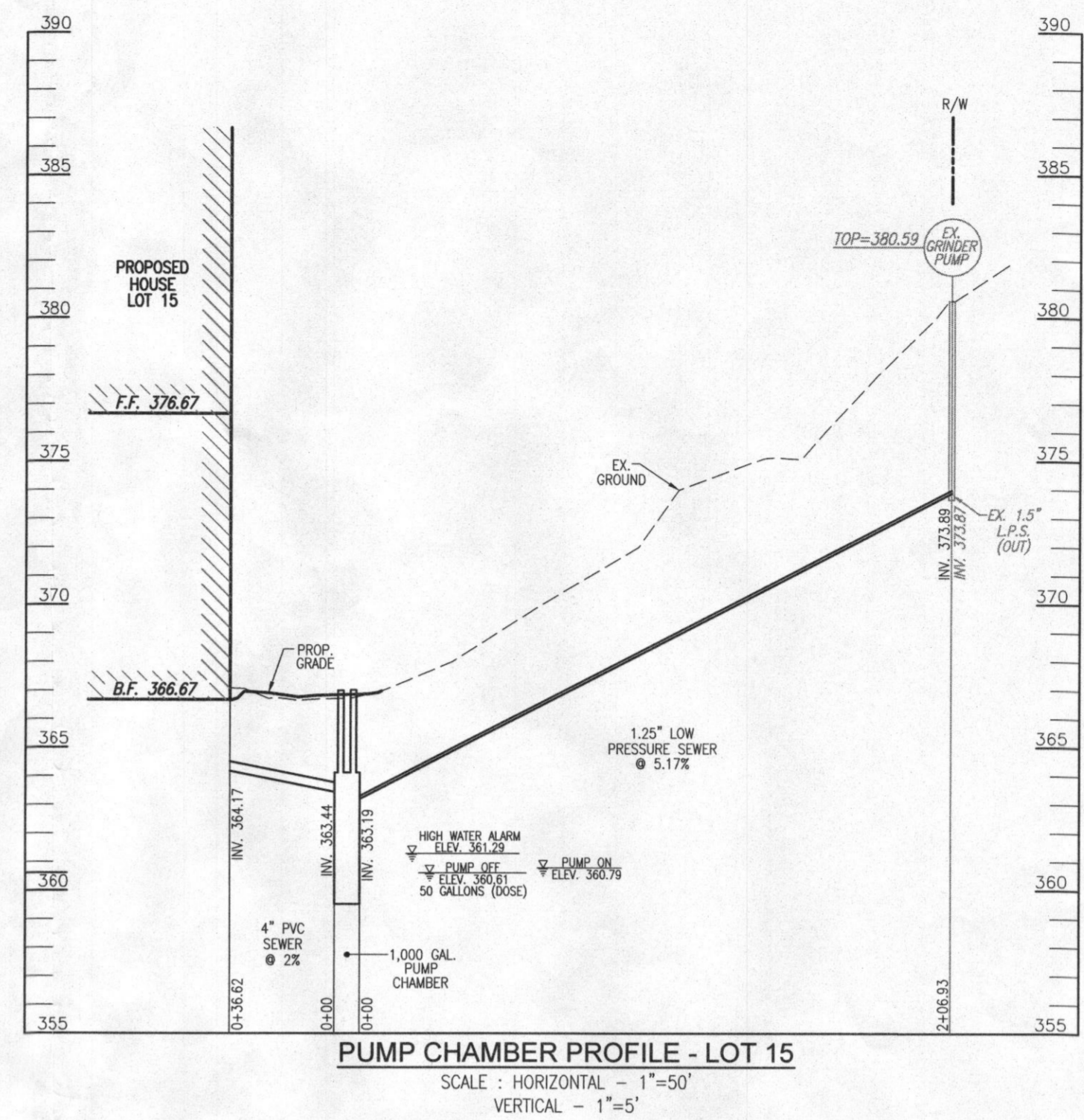
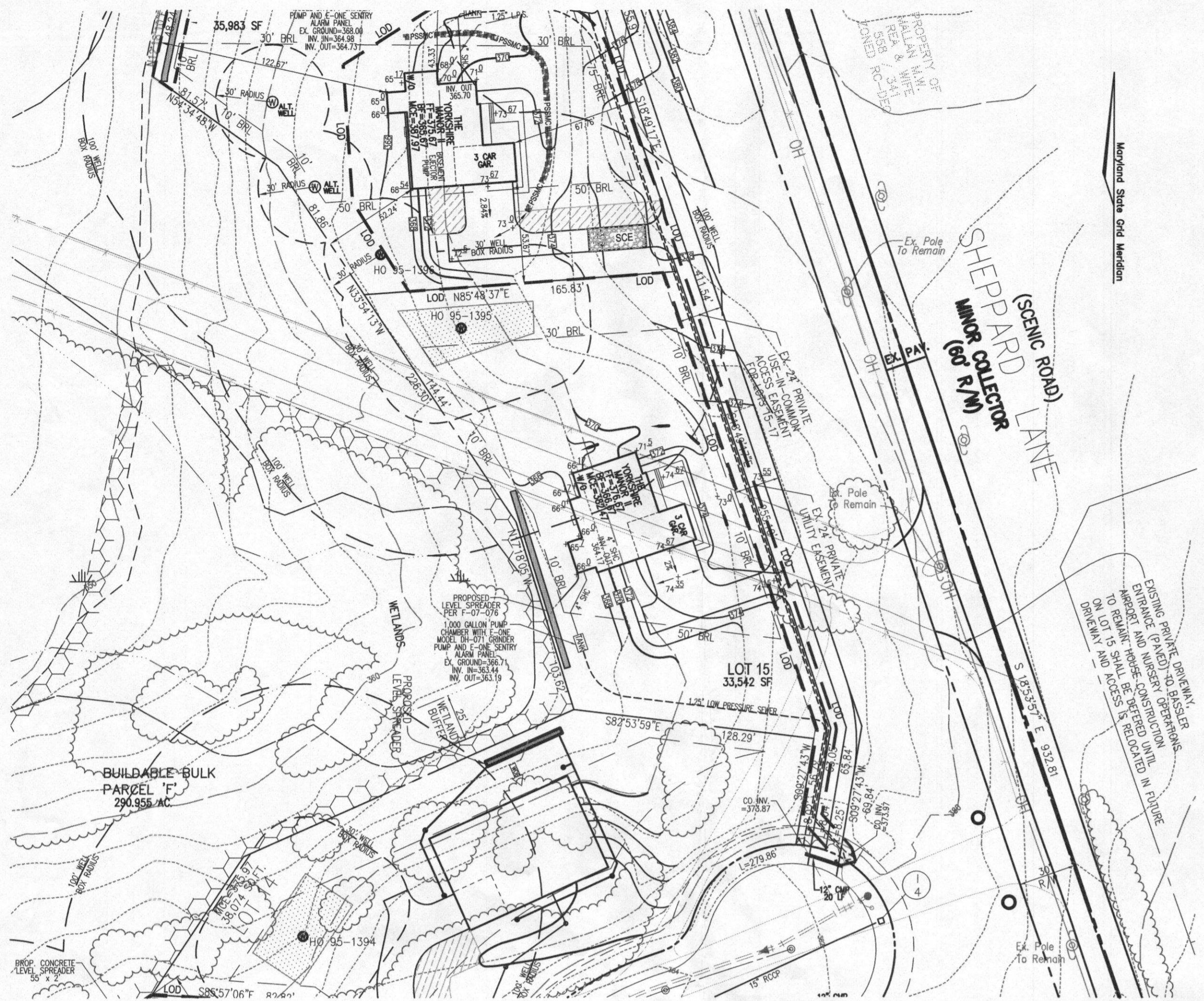
DESIGN BY: RHV
DRAWN BY: JMR
CHECKED BY: RHV
DATE: JULY 2014
SCALE: 1"=30'
W.O. NO.: 13-21

PROFESSIONAL CERTIFICATE
I HEREBY CERTIFY THAT THESE DOCUMENTS
WERE PREPARED OR APPROVED BY ME, AND
THAT I AM A DULY LICENSED PROFESSIONAL
ENGINEER UNDER THE LAWS OF THE STATE
OF MARYLAND, LICENSE NO. 11143
EXPIRATION DATE: 09-27-2014

1 SHEET OF 1

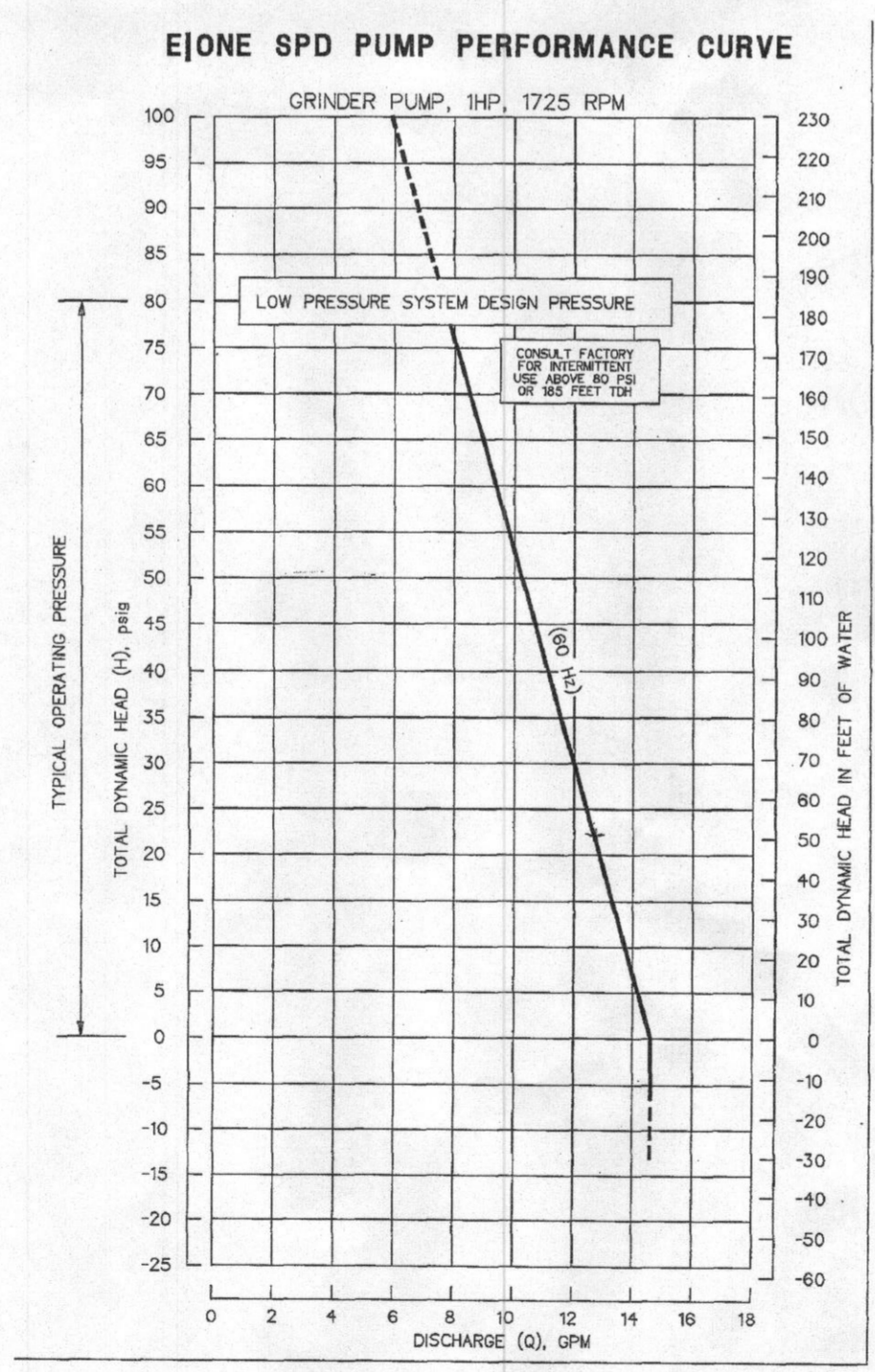
ROBERT H. VOGEL, PE No. 16193





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EXISTING 10' CONTOUR	---	380
RIGHT-OF-WAY	---	
BOUNDARY	---	
ADJACENT BOUNDARY	---	
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TOP=364.11
4" SHC INV.=363.44
600 GALLONS (ONE DAY RESERVE)
HIGH WATER ALARM (361.29)
PUMP ON (360.79)
PUMP OFF (360.61)
50 GALLONS (DOSE)
BOTTOM=359.52

1.25" LPS INV.=363.19
CONTRACTOR TO ELIMINATE E-ONE TANK AND MODIFY SWITCH SETTINGS AS NEEDED TO ACCOMPLISH 50 GALLON DOSE AND 600 GALLON RESERVE

NOT TO SCALE

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814002848

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DRAWN BY:	JMR
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