



**SITE LOCATION PLAN**  
SCALE: 1"=1,000'

**EXISTING SANITARY SYSTEM ELEVATIONS**

TOP OF 4" PVC FDN. OUTLET	= 114.78	DISTRIBUTION BOX #2	= 111.58
TOP OF 4" PVC TANK INLET	= 114.13	F.L. 4" PVC IN S	= 111.61
TOP OF 4" PVC TANK OUTLET	= 113.89	F.L. 4" PVC OUT E	= 111.60
TOP OF 4" SCH 40 END	= 113.25	F.L. 4" PVC OUT W	= 111.60
TOP OF 4" PVC ELBOW	= 112.37		
<b>DISTRIBUTION BOX #1</b>			
F.L. 4" PVC IN S	= 111.79	TOP OF GALLERY E. END #1	= 112.23
F.L. 4" PVC OUT E	= 111.53	TOP OF GALLERY W. END #1	= 112.20
F.L. 4" PVC OUT W	= 111.62	TOP OF GALLERY E. END #2	= 112.11
F.L. 4" PVC OUT N	= 111.59	TOP OF GALLERY W. END #2	= 112.18

- \* BUILDING WILL BE SERVED BY PUBLIC WATER.
- \* IF A WATER TREATMENT SYSTEM WILL BE INSTALLED THEN A LOCATION FOR THE BACKWASH DISPOSAL SYSTEM NEEDS TO BE PROVIDED

**EXIST. SANITARY SYSTEM DESIGN**

50 SEATS x 15 GPD/SEAT	= 750 GPD
1,344 S.F. RETAIL x 0.1 GPD/S.F.	= 134 GPD
4 EMPLOYEES x 40 GPD/EMPLOYEE	= 160 GPD
<b>TOTAL</b>	<b>= 1,044 GPD</b>
ELA = 1,044 GPD x 1 SF/0.8 GPD = 1,305 S.F. (REQUIRED)	
USE 12" HIGH CONC. GALLERIES: 2 ROWS @ 112 LF (CONNECT ENDS) = 1,321 S.F.	
SEPTIC TANK CAPACITY 2,000 GAL. (MIN.)	

**B100A SANITARY SYSTEM DESIGN**

HIGHEST MONTHLY METERED FLOW:	27,100 GAL/MONTH (1/30/2020-6/1/2021)
*NON-SEPTIC WATER USAGE:	-3,000 GAL/MONTH SEASONAL TRAILER
	-2,000 GAL/MONTH DRIP IRRIGATION
	-3,000 GAL/MONTH GREENHOUSE IRRIGATION
	-800 GAL/MONTH BREWERY WASH WATER
	-3,200 GAL/MONTH BREWING WATER
<b>TOTAL METERED FLOW ENTERING SEPTIC SYSTEM</b>	<b>= 15,100 GAL/MONTH</b>
* NOTE: THESE FLOWS DO NOT ENTER THE BREWERY SEPTIC SYSTEM PER THE PROPERTY OWNER/FARM OPERATOR.	

DESIGN FLOW: 15,100 GAL/MONTH x 1 MONTH/16 DAYS USE = 944 GPD x 1.5 SAFETY FACTOR = 1,416 GPD

ELA = 1,416 GPD x 1 SF/0.8 GPD = 1,770 S.F. (REQUIRED)  
 EXIST. 12" HIGH CONC. GALLERIES: 2 ROWS @ 112 LF = 1,321 S.F.  
 PROP. 12" HIGH CONC. GALLERIES: 1 ROW @ 80 LF = 472 S.F.  
**TOTAL ELA PROVIDED = 1,793 S.F.**

RESERVE AREA CALCULATION:  
 USE 48" GALLERIES-192.4 L.F. REQUIRED  
 USE 2 ROWS @ 96 L.F. (1.0' STONE ON EITHER END-196' TOTAL)  
**\*RESERVE AREA MAY REQUIRE A PUMP**

**EXISTING BREWERY WASTE WATER HOLDING TANK**

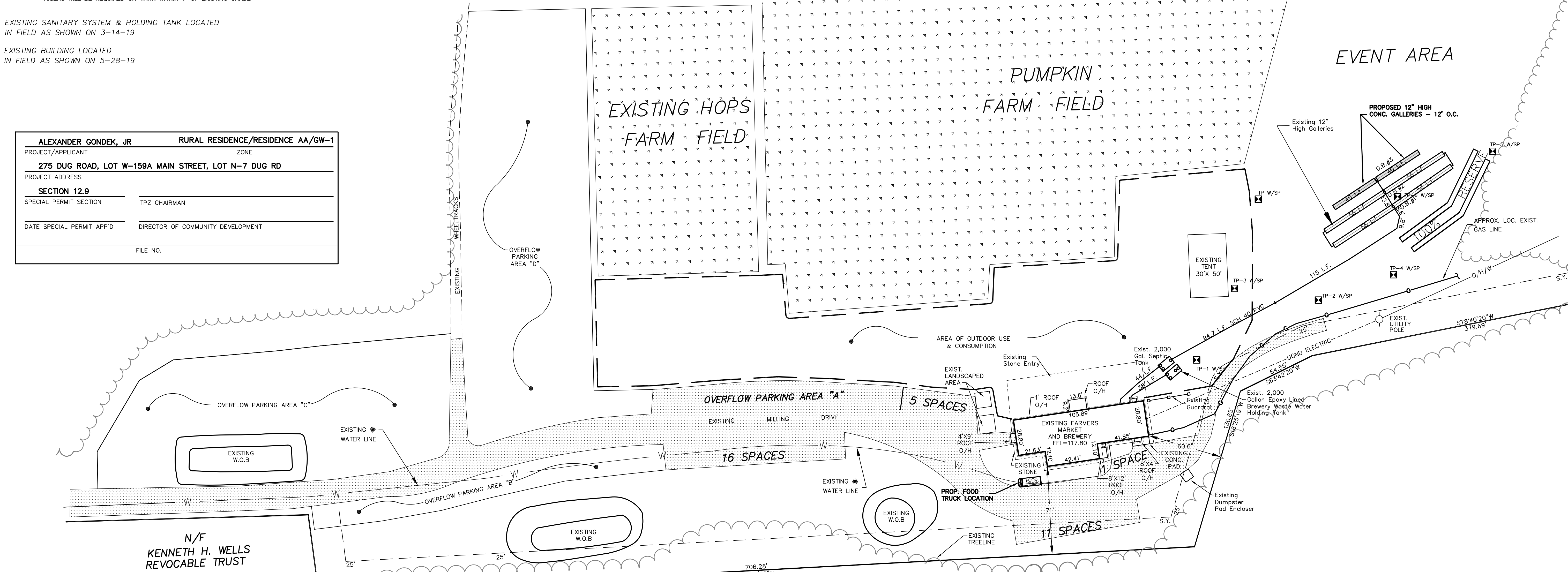
TOP 4" PVC HOLDING TANK OUTLET	= 115.18
TOP 4" PVC HOLDING TANK INLET	= 113.99
TOP OF HOLDING TANK	= 114.7
TOP OF 4" PVC HOLDING TANK OUTLET	= 113.71 (Future)

RISERS WILL BE REQUIRED ON TANK WITHIN 1' OF EXISTING GRADE

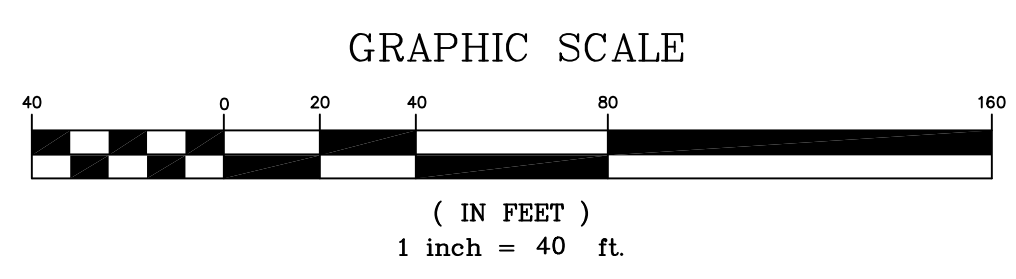
EXISTING SANITARY SYSTEM & HOLDING TANK LOCATED IN FIELD AS SHOWN ON 3-14-19

EXISTING BUILDING LOCATED IN FIELD AS SHOWN ON 5-28-19

<b>ALEXANDER GONDEK, JR</b>	<b>RURAL RESIDENCE/RESIDENCE AA/GW-1</b>
PROJECT/APPLICANT	ZONE
<b>275 DUG ROAD, LOT W-159A MAIN STREET, LOT N-7 DUG RD</b>	
PROJECT ADDRESS	
<b>SECTION 12.9</b>	
SPECIAL PERMIT SECTION	TPZ CHAIRMAN
DATE SPECIAL PERMIT APP'D	DIRECTOR OF COMMUNITY DEVELOPMENT
FILE NO.	



REFERENCE MADE TO MAP TITLED: "FARM MARKET WITH FARM BREWERY PREPARED FOR HOPS ON THE HILL FARM BREWERY, LLC 275 DUG ROAD GLASTONBURY, CONN." BY MEGSON, HEAGLE & FRIEND C.E. & L.S. LLC GLASTONBURY, CONN. DATE 2-7-18 REV. 2-14-19 SCALE: 1"=40' SHEET 1-5 OF 5 MAP NO. 5-17-SP



**ZONING INFORMATION**  
 ZONE: RURAL RESIDENCE/RESIDENCE AA/GW-1  
 AREA = 41.94 AC.

\* EXISTING WATER LINE LOCATION PROVIDED BY SITE CONTRACTOR

NOTE: VERIFY ALL UTILITY LOCATIONS IN THE FIELD PRIOR TO START OF ANY WORK (SEE NOTE BELOW).  
 WARNING: THESE PLANS NOT TO BE USED FOR LOCATION OF UNDERGROUND UTILITIES - CALL BEFORE YOU DIG 1-800-922-4455 TWO WORKING DAYS BEFORE YOU DIG.

**PARKING TABLE**

FARM MARKET (WITH FARM BREWERY)	= 11 SPACES
22 COUNTER SEATS x 1 SPACE/2 SEATS	= 11 SPACES
28 TABLE SEATS x 1 SPACE/3 SEATS	= 10 SPACES
4 EMPLOYEES x 1 SPACE/EMPLOYEE	= 4 SPACES
1344 SF MARKET x 0.85 x 1 SPACE/150 SF	= 8 SPACES
OUTDOOR USE & CONSUMPTION	= OVERFLOW PARKING AREAS
<b>SPACES PROVIDED</b>	<b>= 33 (2 H.C.) PLUS OVERFLOW PARKING AREAS</b>

**LEGEND**

OVERHEAD WIRE	— O/H/W —
GAS LINE	— G —
WATER LINE	— W —

PARCEL W-159A  
 OTHER LAND OF ALEXANDER J. GONDEK JR.

TOBACCO  
 FARM FIELD

#275 DUG ROAD  
 PARCEL W-159 MAIN STREET

PUMPKIN  
 FARM FIELD

EXISTING HOPS  
 FARM FIELD

EVENT AREA

N/F  
 KENNETH H. WELLS  
 REVOCABLE TRUST

I HEREBY DECLARE TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THIS PLAN IS SUBSTANTIALLY CORRECT.  
 JONATHAN H. SZCZUREK P.E. # 26858

**MEGSON, HEAGLE & FRIEND**  
 CIVIL ENGINEERS & LAND SURVEYORS, LLC  
 81 RANKIN ROAD  
 GLASTONBURY, CONN. 06033  
 PHONE (860)-659-0587

SITE PLAN MODIFICATION  
**FARM MARKET WITH FARM BREWERY**  
 PREPARED FOR  
**HOPS ON THE HILL FARM BREWERY, LLC**  
 275 DUG ROAD  
 GLASTONBURY, CONN.

CK. BY: RRM  
 DRW. BY: TCJ  
 DATE: 7-8-21  
 SCALE: 1"=40'  
 SHEET 1 OF 1  
 MAP NO. 5-17-15M