



CIVIL & ENVIRONMENTAL
ENGINEERING, SURVEYING

October 12, 2021



Wisconsin Department of Natural Resources

Attn: Mr. Matt Thompson
1300 West Clairemont Avenue
Eau Claire, WI 54701

Subject:

Construction Documentation and Post Closure Modification
Former Englebrecht Building
223 Alfred Street
Athens, WI
WDNR BRRTS: 02-37-536610

Dear Mr. Thompson:

The following letter and enclosed information will summarize the redevelopment of the above referenced site. The site location is shown on Figure 1.

LOCATION

The new Forward Bank branch is located in the Southwest $\frac{1}{4}$ of the Southeast $\frac{1}{4}$ of Section 31, Township 30 North, Range 4 East in the Village of Athens, Marathon County, Wisconsin. The property is approximately 0.413 acres in size. Forward Bank purchased the property in March 2020. The site address of the Forward Bank branch is 225 Alfred Street, Athens, WI.

BACKGROUND

Based on information available in the WDNR BRRTS# 02-37-536610 Site File, a dry-cleaning business was previously operated at the subject property during the 1990s. Tetrachloroethylene (PCE) was identified in the right-of-way of STH-97/Mueller Street on the south side of the subject property during a WisDOT Phase 2.5 Environmental Sampling Investigation. The discovery in the road right-of-way prompted issuance of a responsible party letter to the property owner, Village of Athens Fire Department.

An Environmental Repair Program (ERP) investigation (BRRTS #02-37-536610) was performed beginning in 2006. The site was closed by WDNR with GIS registry for residual soil and groundwater contamination on August 11, 2010. The area of soil and groundwater contamination listed on the GIS registry at the time of closure is shown on the attached site map (Figure 2).

FORWARD BANK ACQUISITION

Forward Bank acquired the subject property from Athens Area Fire Commission in April 2020. The acquisition resulted in four (4) parcels being combined through Certified Survey. A copy of the current Certified Survey Map with new legal description is included as Attachment A.

CONTINUING OBLIGATIONS

The GIS packet for BRRTS #02-37-536610 Former Englebrecht Building listed the following continuing obligations:

1. Residual Soil Contamination: Soil contamination exists that must be properly managed should it be removed.

2. **Residual Groundwater Contamination:** Groundwater contamination is present above Chapter NR 140 enforcement standards. If you intend to construct or reconstruct a well, you will need prior WDNR approval.
3. **Vapor Migration:** Depending on site-specific conditions, construction over contaminated materials may result in vapor migration of contaminants into enclosed structures or migration along newly placed underground utility lines. The potential for vapor inhalation and means of mitigation (sub-slab depressurization system) should be evaluated when planning any future redevelopment, and measures should be taken to ensure the continued protection of public health, safety, welfare and the environment at the site.

The Case Closure file for the Former Englebrecht Building (02-37-536610) documented groundwater at 30-40 feet below land surface (bls) during the site investigation (2006-2010). Residual PCE groundwater contamination was documented across most of the subject property and extended off-site to the southeast. Residual PCE soil contamination was documented in the southeast area of the subject property.

Prior to commencing construction at the property, REI developed a Soil Management Plan – Technical Memorandum (May 29, 2020) for contractor guidance during construction. The Soil Management Plan specified the area of residual soil contamination at the property and that displaced soil in the area of historical PCE soil contamination was required to be exported for final disposal at a licensed landfill. REI obtained approval from Lincoln County Landfill in Merrill, WI for disposal of PCE contaminated soil encountered during construction.

CONSTRUCTION

Construction began at the subject property in March 2021. The following bulleted timeline represents construction events at the subject property relevant to managing contaminated soil. All contaminated soil that was removed from the property was transported to Lincoln County Landfill in Merrill, WI.

- March 17, 2021 – Total of 154.91 tons of contaminated soil transported to landfill for disposal
- March 18, 2021 – Total of 95.68 tons of contaminated soil transported to landfill for disposal
- March 19, 2021 – Total of 62.29 tons of contaminated soil transported to landfill for disposal

A total of 312.88 tons of contaminated soil was removed due to construction at the Former Englebrecht Building site and transported for disposal. REI was onsite as Owner Representative for each of the hauling events and a signed manifest was required for each load transported to the landfill. Soil was excavated from areas identified on the attached Figure 3. Disposal documentation is included as Attachment B. Construction photographs are included as Attachment C.

A sub-slab vapor depressurization system (SSDS) was installed in conjunction with the new construction of the Forward Bank building in May 2021 by SWAT Environmental of New Berlin, WI. The system utilizes Schedule 40, 3-inch PVC pipe and Obar GBR76 SOE intrinsically safe fan. The collection point consists of 130 feet of 4-inch perforated drain tile wrapped in a silt sock installed beneath the buildings slab on grade concrete foundation. The intrinsically safe VOC fan is roof top mounted. Pressure Field Extension (PFE) testing was done at the property to ensure that the sub-slab had been depressurized. A total of four (4) tests were performed and recorded which documented strong negative pressure readings which indicated the sub-slab was depressurized. This system is designed for continuous operation: 24 hours per day, 7 days per week. The Operation and Maintenance Plan/Post Installation Report is included as Attachment D.

CONCLUSIONS & RECOMMENDATIONS

Contamination identified at the Former Englebrecht Building site appears to be the result of a previous, historically documented release that occurred at the subject property (further documented in WDNR BRRTS# 02-37-536610). Soil displaced during redevelopment in the area of known PCE contamination was exported for final disposal at Lincoln County Landfill. Residual soil and groundwater contamination remain at the subject property and are addressed through the existing GIS Registry. A sub-slab vapor depressurization system was installed at the subject property to mitigate the vapor risk inside the new Forward Bank building. No additional actions are recommended at this time.

Thank you for assistance with this project. Please contact me with questions or to discuss further at (715) 675-9784 or Adelforge@REIengineering.com.

"I, Andrew R. Delforge, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, am registered in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Admn. Code, and that to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code."

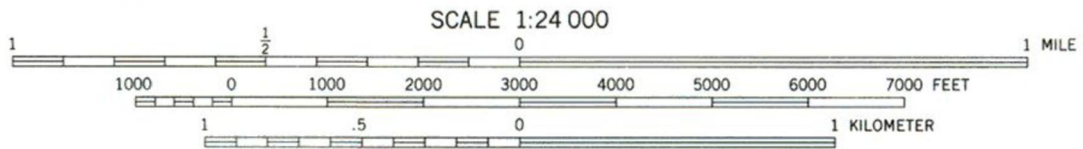
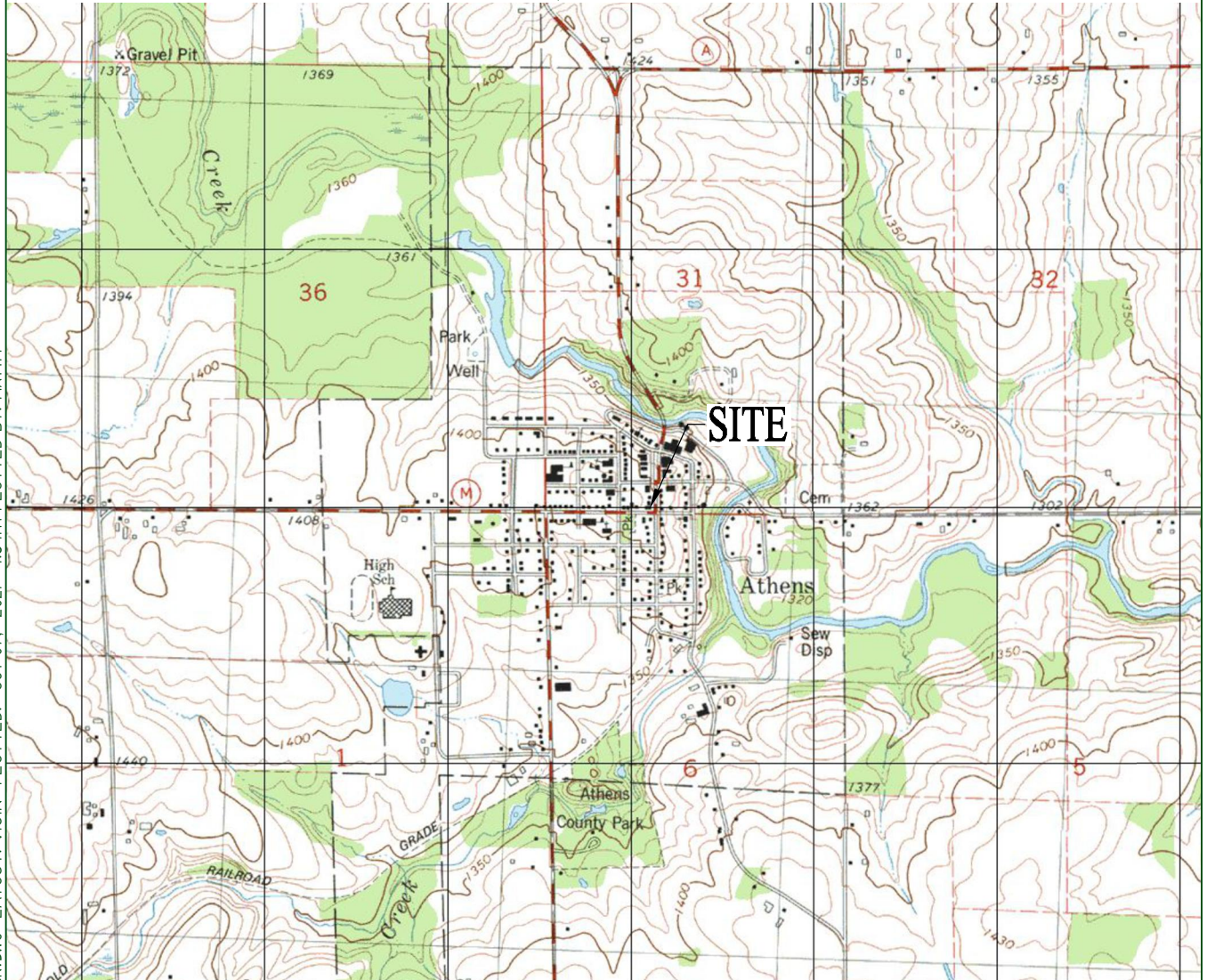
Sincerely,
REI Engineering, Inc.



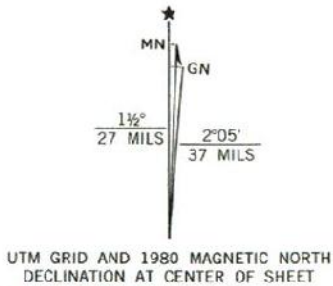
Senior Hydrogeologist/Project Manager

CC: Forward Bank, Attn: Ms. Lori Schutz (electronic only)

DRAWING FILE: P:\9100-9199\9135 - FORWARD BANK ATHENS\DWG\EXHIBITS\9135-VICN.DWG LAYOUT: VICIN PLOTTED: OCT 07, 2021 - 1:34PM PLOTTED BY: MATTM



CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929



ATHENS, WIS.
SE/4 ATHENS 15' QUADRANGLE
N4500-W9000/7.5
1980
PHOTOINSPECTED 1981
DMA 2974 II SE-SERIES V86I



REI ENGINEERING, INC.

FORWARD BANK
225 ALFRED STREET
ATHENS, WISCONSIN 54411



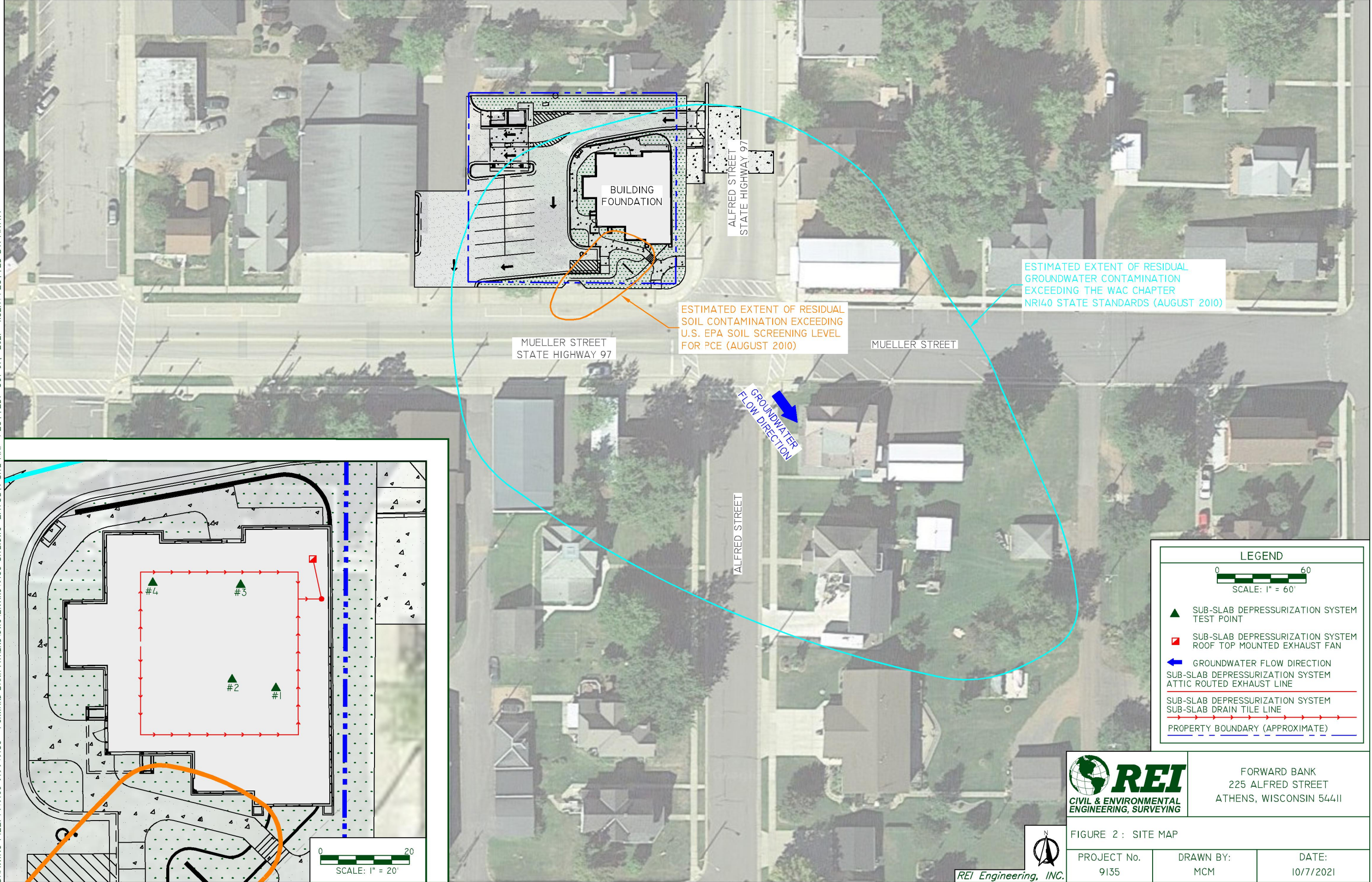
FIGURE 1 : VICINITY MAP

PROJECT NO.
9135

DRAWN BY:
STH

DATE:
03/05/2020

DRAWING FILE: P:\9100-9199\9135 - FORWARD BANK ATHENS\DWG\ENVIRO\9135-SITE.DWG LAYOUT: SITE MAP PLOTTED: OCT 07, 2021 - 1:52PM PLOTTED BY: MATTM



LEGEND

0 60
SCALE: 1" = 60'

- ▲ SUB-SLAB DEPRESSURIZATION SYSTEM TEST POINT
- SUB-SLAB DEPRESSURIZATION SYSTEM ROOF TOP MOUNTED EXHAUST FAN
- ← GROUNDWATER FLOW DIRECTION
- SUB-SLAB DEPRESSURIZATION SYSTEM ATTIC ROUTED EXHAUST LINE
- SUB-SLAB DEPRESSURIZATION SYSTEM SUB-SLAB DRAIN TILE LINE
- PROPERTY BOUNDARY (APPROXIMATE)

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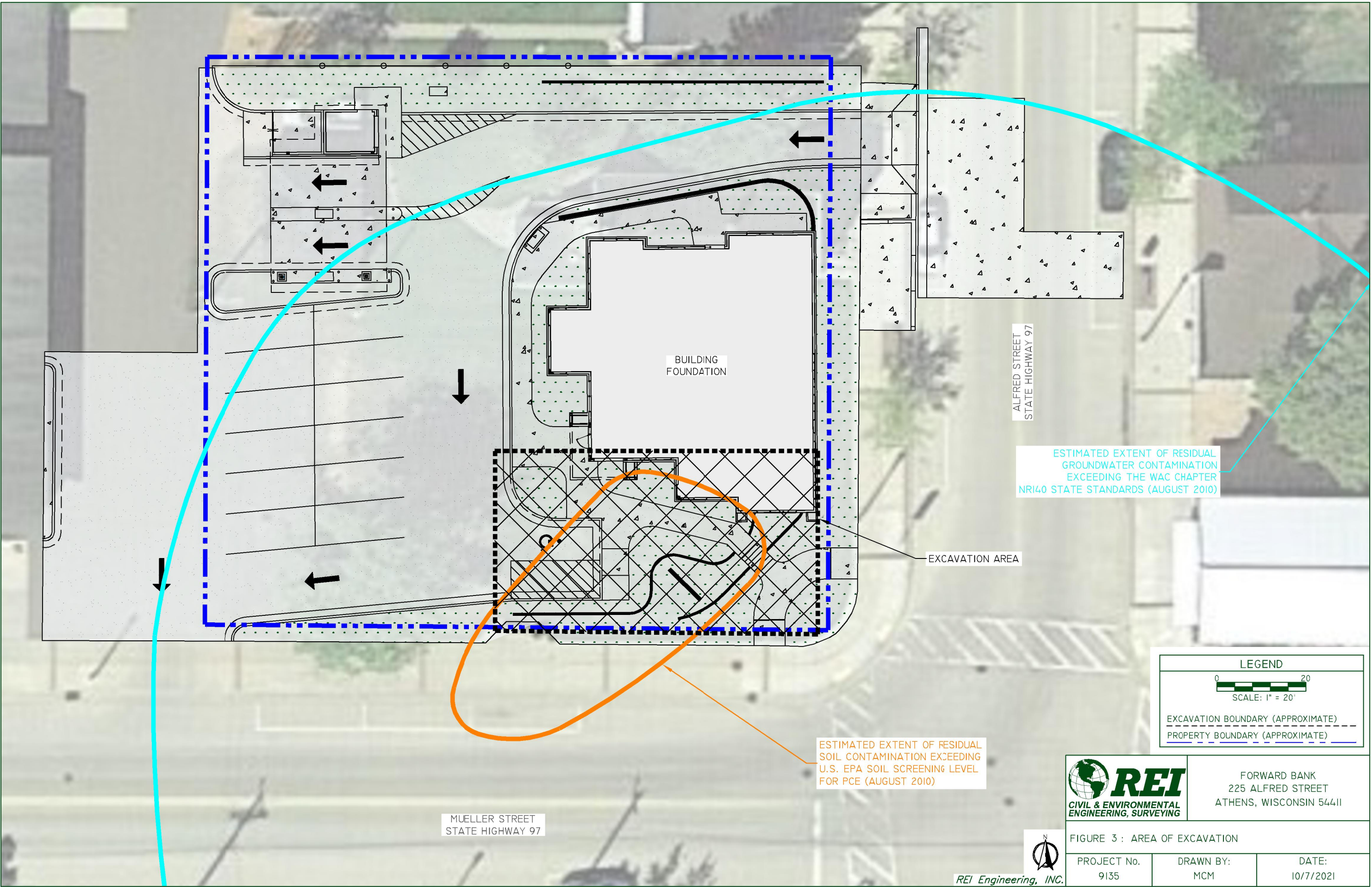
FORWARD BANK
225 ALFRED STREET
ATHENS, WISCONSIN 54411

FIGURE 2 : SITE MAP

PROJECT No. 9135	DRAWN BY: MCM	DATE: 10/7/2021
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REI Engineering, INC.

DRAWING FILE: P:\9100-9199\9135 - FORWARD BANK ATHENS\DWG\ENVIRO\9135-SITE.DWG LAYOUT: EXCAVATION PLOTTED: Oct 07, 2021 - 1:30PM PLOTTED BY: MATTM



ALFRED STREET
STATE HIGHWAY 97

ESTIMATED EXTENT OF RESIDUAL
GROUNDWATER CONTAMINATION
EXCEEDING THE WAC CHAPTER
NRI40 STATE STANDARDS (AUGUST 2010)

EXCAVATION AREA

MUELLER STREET
STATE HIGHWAY 97

ESTIMATED EXTENT OF RESIDUAL
SOIL CONTAMINATION EXCEEDING
U.S. EPA SOIL SCREENING LEVEL
FOR PCE (AUGUST 2010)

LEGEND

0 20
SCALE: 1" = 20'

EXCAVATION BOUNDARY (APPROXIMATE) - - - - -

PROPERTY BOUNDARY (APPROXIMATE) - - - - -



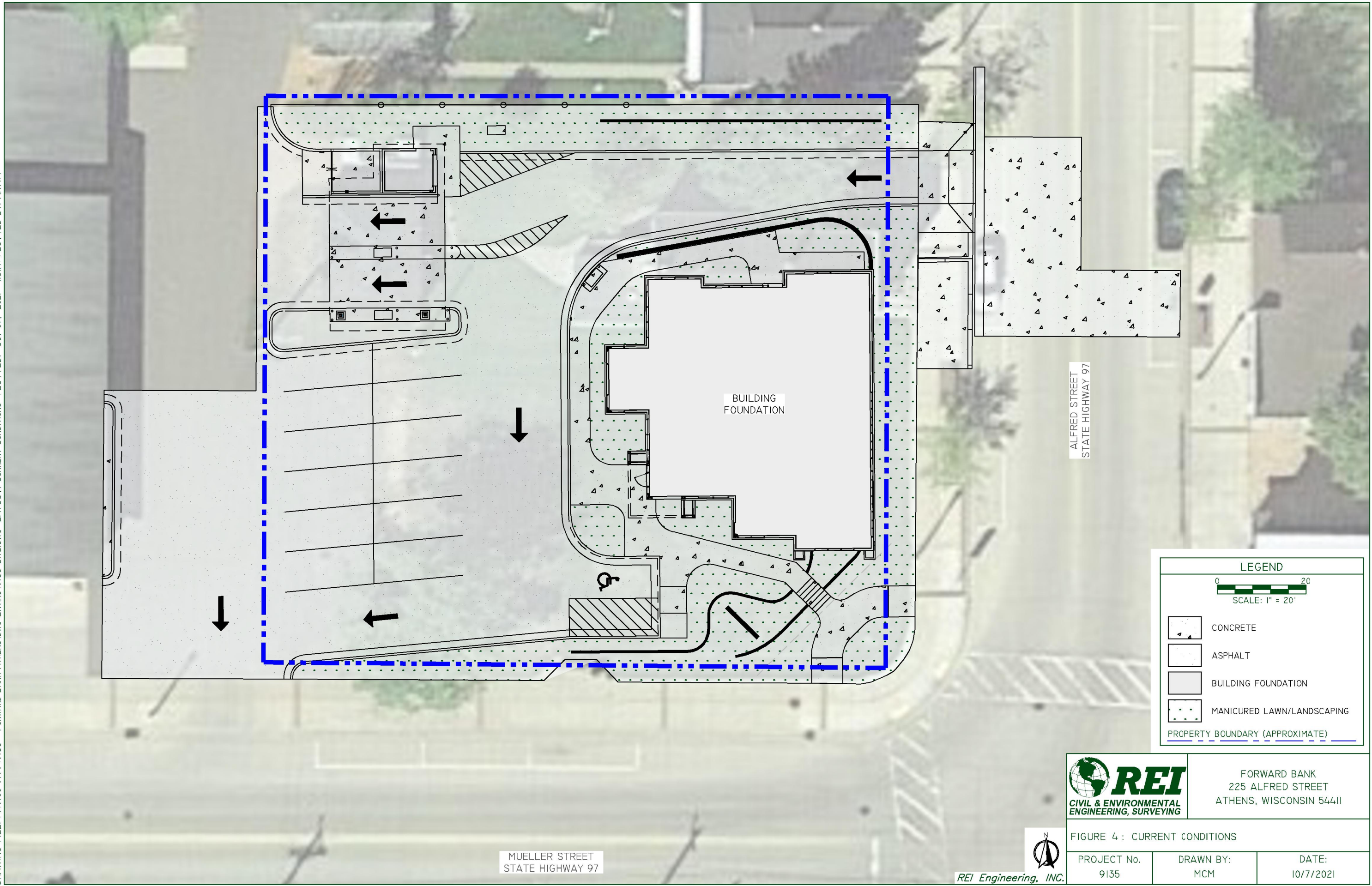
FORWARD BANK
225 ALFRED STREET
ATHENS, WISCONSIN 54411

FIGURE 3 : AREA OF EXCAVATION

PROJECT No. 9135	DRAWN BY: MCM	DATE: 10/7/2021
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REI Engineering, INC.

DRAWING FILE: P:\9100-9199\9135 - FORWARD BANK ATHENS\DWG\ENVIRO\9135-SITE.DWG LAYOUT: CURRENT CONDITIONS PLOTTED: OCT 07, 2021 - 1:31PM PLOTTED BY: MATTM



LEGEND

0 20
SCALE: 1" = 20'

- CONCRETE
- ASPHALT
- BUILDING FOUNDATION
- MANICURED LAWN/LANDSCAPING
- PROPERTY BOUNDARY (APPROXIMATE)



FORWARD BANK
225 ALFRED STREET
ATHENS, WISCONSIN 54411

FIGURE 4 : CURRENT CONDITIONS

PROJECT No. 9135	DRAWN BY: MCM	DATE: 10/7/2021
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REI Engineering, INC.

ATTACHMENT A

CURRENT CERTIFIED SURVEY MAP



RECORDED

March 22, 2021 3:15 PM

DEAN J. STRATZ, REGISTER OF DEEDS



REI

CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING
4080 N. 20TH AVENUE, WAUSAU, WI 54401
(715) 675-9784

MARATHON COUNTY CERTIFIED SURVEY MAP

MAP NO. 18876

DOC# 1830761 PAGES: 2



1830761

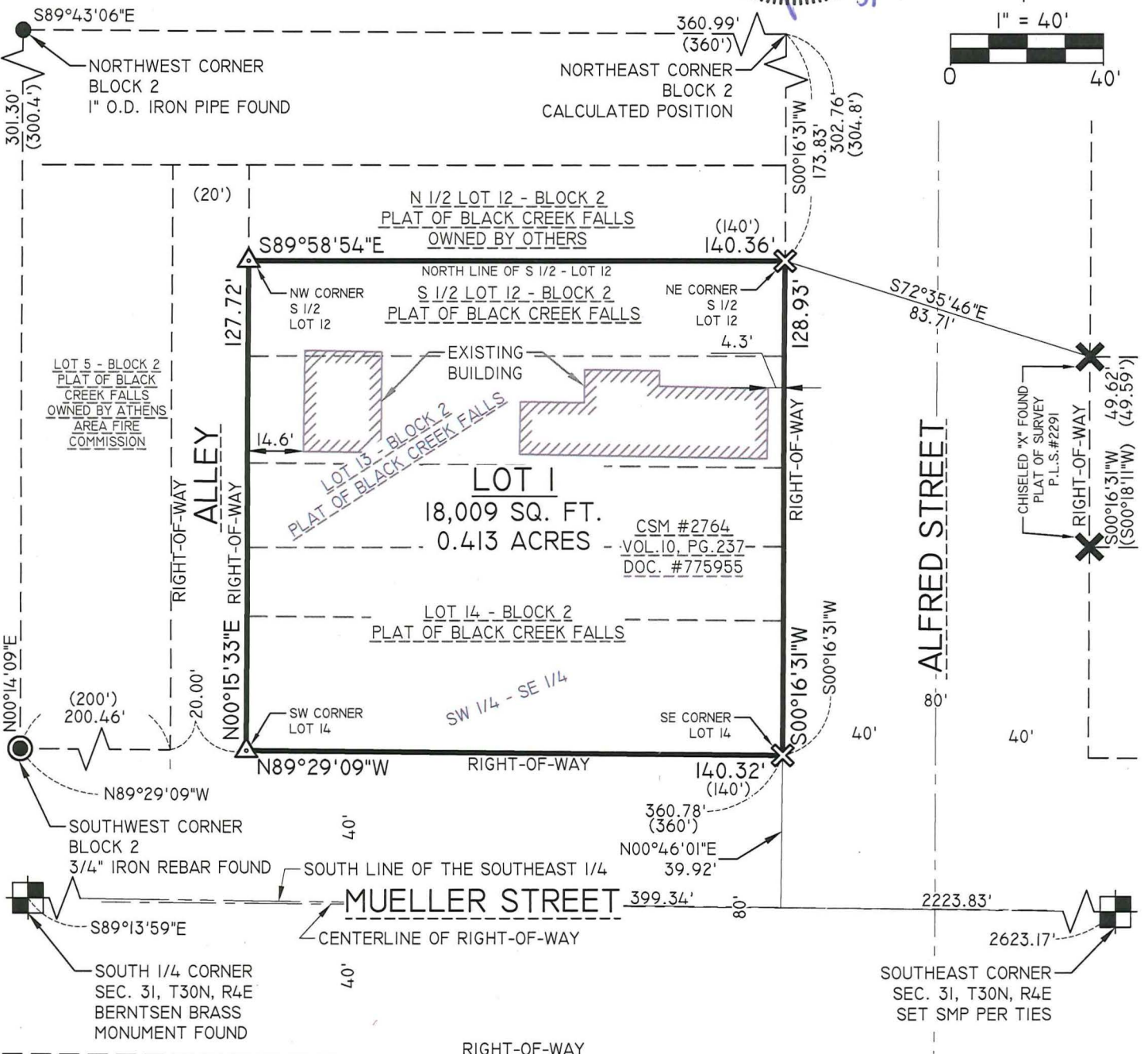
PREPARED FOR: FORWARD BANK
LANDOWNER: ATHENS AREA FIRE COMMISSION

OF ALL OF CERTIFIED SURVEY MAP NUMBER 2764, RECORDED IN VOLUME 10, ON PAGE 237, AS DOCUMENT NUMBER 775955, AND ALL OF LOT 13, LOT 14 AND PART OF LOT 12, BLOCK 2, PLAT OF BLACK CREEK FALLS, RECORDED IN VOLUME 2, ON PAGE 21 OF PLATS, IN THE MARATHON COUNTY REGISTER OF DEEDS OFFICE; LOCATED IN THE SOUTHWEST 1/4 OF THE SOUTHEAST 1/4, SECTION 31, TOWNSHIP 30 NORTH, RANGE 4 EAST, VILLAGE OF ATHENS, MARATHON COUNTY, WISCONSIN.

NOTES:

1. FIELD SURVEY WAS COMPLETED ON 02/27/2020.
2. BEARINGS ARE BASED ON THE MARATHON COUNTY COORDINATE SYSTEM, NAD 83(2011) DATUM AND REFERENCED TO THE SOUTH LINE OF THE SOUTHEAST 1/4 OF SECTION 31, TOWNSHIP 31 NORTH, RANGE 4 EAST, MEASURED TO BEAR SOUTH 89°13'59" EAST.
3. THE BOUNDARY AND RIGHT-OF-WAYS WERE COMPUTED BASED ON FOUND MONUMENTS AND DATA FROM WDOT RIGHT-OF-WAY PROJECT NUMBER 9535-02-20 AND VERIFIED WITH EXISTING STREET IMPROVEMENTS.

LEGEND	
	- PK NAIL SET
	- CHISELED "X" SET IN CONCRETE
126.00'	- MEASURED BEARING/LENGTH
(126.00')	- RECORDED BEARING/LENGTH





REI

CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING
4080 N. 20TH AVENUE, WAUSAU, WI 54401
(715) 675-9784

MARATHON COUNTY CERTIFIED SURVEY MAP

MAP NO. 18876

PREPARED FOR: FORWARD BANK

LANDOWNER: ATHENS AREA FIRE COMMISSION

OF ALL OF CERTIFIED SURVEY MAP NUMBER 2764, RECORDED IN VOLUME 10, ON PAGE 237, AS DOCUMENT NUMBER 775955, AND ALL OF LOT 13, LOT 14 AND PART OF LOT 12, BLOCK 2, PLAT OF BLACK CREEK FALLS, RECORDED IN VOLUME 2, ON PAGE 21 OF PLATS, IN THE MARATHON COUNTY REGISTER OF DEEDS OFFICE; LOCATED IN THE SOUTHWEST 1/4 OF THE SOUTHEAST 1/4, SECTION 31, TOWNSHIP 30 NORTH, RANGE 4 EAST, VILLAGE OF ATHENS, MARATHON COUNTY, WISCONSIN.

SURVEYOR'S CERTIFICATE

I, JESSE L. ROBERGE, WISCONSIN PROFESSIONAL LAND SURVEYOR S-2958, DO HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF: THAT I HAVE SURVEYED, MAPPED AND DIVIDED OF ALL OF CERTIFIED SURVEY MAP NUMBER 2764, RECORDED IN VOLUME 10, ON PAGE 237, AS DOCUMENT NUMBER 775955, AND ALL OF LOT 13, LOT 14 AND PART OF LOT 12, BLOCK 2, PLAT OF BLACK CREEK FALLS, RECORDED IN VOLUME 2, ON PAGE 21 OF PLATS, IN THE MARATHON COUNTY REGISTER OF DEEDS OFFICE; LOCATED IN THE SOUTHWEST 1/4 OF THE SOUTHEAST 1/4, SECTION 31, TOWNSHIP 30 NORTH, RANGE 4 EAST, VILLAGE OF ATHENS, MARATHON COUNTY, WISCONSIN, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTH 1/4 CORNER OF SAID SECTION 31; THENCE SOUTH 89°13'59" EAST, COINCIDENT WITH THE SOUTH LINE OF SAID SOUTHEAST 1/4, 399.34 FEET; THENCE NORTH 00°46'01" EAST, 39.92 FEET TO THE INTERSECTION OF THE NORTH RIGHT-OF-WAY LINE OF MUELLER STREET AND THE WEST RIGHT-OF-WAY LINE OF ALFRED STREET, THE SOUTHEAST CORNER OF SAID LOT 14 AND THE POINT OF BEGINNING; THENCE NORTH 89°29'09" WEST, COINCIDENT WITH SAID NORTH RIGHT-OF-WAY LINE, 140.32 FEET TO THE SOUTHWEST CORNER OF SAID LOT 14 AND INTERSECTION OF SAID NORTH RIGHT-OF-WAY LINE OF MUELLER STREET AND THE EAST RIGHT-OF-WAY LINE OF A PUBLIC ALLEY; THENCE NORTH 00°15'33" EAST, COINCIDENT WITH SAID EAST RIGHT-OF-WAY LINE OF THE PUBLIC ALLEY, 127.72 FEET TO THE NORTHWEST CORNER OF THE SOUTH 1/2 OF SAID LOT 12; THENCE SOUTH 89°58'54" EAST, COINCIDENT WITH THE NORTH LINE OF SAID SOUTH 1/2 OF LOT 12, 140.36 FEET TO THE NORTHEAST CORNER OF SAID SOUTH 1/2 OF LOT 12 AND SAID WEST RIGHT-OF-WAY LINE OF ALFRED STREET; THENCE SOUTH 00°16'31" WEST, COINCIDENT WITH SAID WEST RIGHT-OF-WAY LINE OF ALFRED STREET, 128.93 FEET TO SAID SOUTHEAST CORNER OF LOT 14, SAID INTERSECTION OF THE NORTH RIGHT-OF-WAY LINE OF MUELLER STREET AND WEST RIGHT-OF-WAY LINE OF ALFRED STREET, AND THE POINT OF BEGINNING.

THAT THE ABOVE DESCRIBED PARCEL OF LAND CONTAINS 18,009 SQUARE FEET, 0.413 ACRES, MORE OR LESS.

THAT I HAVE MADE THIS SURVEY, DIVISION AND MAP THEREOF AT THE DIRECTION OF FORWARD BANK, AGENT OF SAID PARCELS.

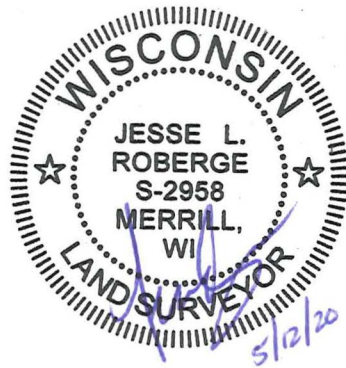
THAT SAID PARCEL IS SUBJECT TO EASEMENTS, RESTRICTIONS, AND RIGHT-OF-WAYS OF RECORD.

THAT I HAVE FULLY COMPLIED WITH THE PROVISIONS OF SECTION 236.34 OF THE WISCONSIN STATUTES, WISCONSIN ADMINISTRATIVE CODE A-E7 AND THE SUBDIVISION REGULATIONS OF THE VILLAGE OF ATHENS.

THAT THIS MAP IS A CORRECT AND ACCURATE REPRESENTATION OF THE EXTERIOR BOUNDARIES OF SAID PARCEL, AND OF THE DIVISION THEREOF MADE.

DATED THIS 12TH DAY OF MAY, 2020

REI
JESSE L. ROBERGE
WI P.L.S. S-2958



VILLAGE OF ATHENS
APPROVED FOR RECORDING UNDER THE
TERMS OF THE VILLAGE OF ATHENS LAND
DIVISION ORDINANCE.
BY: Charles Kornack
DATE: 3-8-2021

ATTACHMENT B

SOIL DISPOSAL DOCUMENTATION



Lincoln County Landfill

Detailed Tonnage and Charge Report

Order: by Job (21 - 9 G) Type: All

From 03/01/2021 to 03/24/2021

Forward Bank, Athens (Fmr Englebrecht) (21 - 9 G)

----- Fees -----

<u>Site Ticket</u>	<u>Date</u>	<u>Account</u>	<u>Truck</u>	<u>Code</u>	<u>Qty</u>	<u>Per Qty</u>	<u>Per Load</u>	<u>Frght/Add</u>	<u>Taxes</u>	<u>Total Charge</u>	<u>Paid</u>
S 297622	03/17/2021	R.E.I.	9	CON51	22.40	39.00	0.00	\$0.00	\$0.00	\$873.60	\$0.00
S 297625	03/17/2021	R.E.I.	5	CON51	27.64	39.00	0.00	\$0.00	\$0.00	\$1,077.96	\$0.00
S 297626	03/17/2021	R.E.I.	4	CON51	27.71	39.00	0.00	\$0.00	\$0.00	\$1,080.69	\$0.00
S 297636	03/17/2021	R.E.I.	9	CON51	26.39	39.00	0.00	\$0.00	\$0.00	\$1,029.21	\$0.00
S 297637	03/17/2021	R.E.I.	5	CON51	27.19	39.00	0.00	\$0.00	\$0.00	\$1,060.41	\$0.00
S 297638	03/17/2021	R.E.I.	4	CON51	23.58	39.00	0.00	\$0.00	\$0.00	\$919.62	\$0.00
S 297656	03/18/2021	R.E.I.	9	CON51	21.26	39.00	0.00	\$0.00	\$0.00	\$829.14	\$0.00
S 297703	03/18/2021	R.E.I.	5	CON51	21.23	39.00	0.00	\$0.00	\$0.00	\$827.97	\$0.00
S 297705	03/18/2021	R.E.I.	9	CON51	26.47	39.00	0.00	\$0.00	\$0.00	\$1,032.33	\$0.00
S 297706	03/18/2021	R.E.I.	4	CON51	26.72	39.00	0.00	\$0.00	\$0.00	\$1,042.08	\$0.00
S 297712	03/19/2021	R.E.I.	4	CON51	20.40	39.00	0.00	\$0.00	\$0.00	\$795.60	\$0.00
S 297713	03/19/2021	R.E.I.	5	CON51	21.13	39.00	0.00	\$0.00	\$0.00	\$824.07	\$0.00
S 297715	03/19/2021	R.E.I.	9	CON51	20.76	39.00	0.00	\$0.00	\$0.00	\$809.64	\$0.00

Forward Bank, Athens (Fmr Englebrecht) (21 - 9 G) Totals

	<u>Loads</u>	<u>Yards</u>	<u>Units</u>	<u>Tons</u>	<u>Other</u>	<u>Frght/Add</u>	<u>Taxes</u>	<u>Total Charge</u>	<u>Paid</u>
	13	0.00	0.00	312.88	0.00	\$0.00	\$0.00	\$12,202.32	\$0.00
Grand Totals	13	0.00	0.00	312.88	0.00	\$0.00	\$0.00	\$12,202.32	\$0.00

LINCOLN COUNTY LANDFILL 715-536-9636
Site: N4750 Landfill Lane, Merrill, WI 54452
Mailing: 801 N Sales St, Ste 201, Merrill, WI 54452
OPERATING HOURS:
Monday-Friday
SUMMER (May 1 - Sept. 30) 7:00 am - 4:00 pm
WINTER (Oct. 1 - Apr. 30) 8:00 am - 4:00 pm
1st and 3rd Sat. 8:00 am - Noon

DATE: 3/17/2021 TICKET #: 297622 Vehicle #: 9
Time In: 10:49 AM Time Out: 10:57 AM Trailer #:

BILL TO: R.E.I.
HAULER : Switlick & Sons, Inc.

JOB : 21 - 9 G - Forward Bank, Athens (Fmr Englebrecht)
PO# : REI job #9135
\$39.00 ton not exempt (CON51) 22.40 tn
Gross: 74460 Tare: 29660 Net Weight: 44800

Scale Notes: Charge Transaction
JIM

HAVE A GREAT DAY!

Customer Signature _____
Weighed By: Administrator

I certify that the waste in this vehicle complies with the Wisconsin Recycling law and the landfill bans. I also agree to pay 1.5% per month Late payment charge after 30 days.
Reprinted Ticket Ticket Edited

LINCOLN COUNTY LANDFILL 715-536-9636
Site: N4750 Landfill Lane, Merrill, WI 54452
Mailing: 801 N Sales St, Ste 201, Merrill, WI 54452
OPERATING HOURS:
Monday-Friday
SUMMER (May 1 - Sept. 30) 7:00 am - 4:00 pm
WINTER (Oct. 1 - Apr. 30) 8:00 am - 4:00 pm
1st and 3rd Sat. 8:00 am - Noon

DATE: 3/17/2021 TICKET #: 297625 Vehicle #: 5
Time In: 10:57 AM Time Out: 11:04 AM Trailer #:

BILL TO: R.E.I.
HAULER : Switlick & Sons, Inc.

JOB : 21 - 9 G - Forward Bank, Athens (Fmr Englebrecht)
PO# : REI job #9135
\$39.00 ton not exempt (CON51) 27.64 tn
Gross: 84840 Tare: 29560 Net Weight: 55280

Scale Notes: Charge Transaction
MATT

HAVE A GREAT DAY!

Customer Signature _____
Weighed By: Administrator

I certify that the waste in this vehicle complies with the Wisconsin Recycling law and the landfill bans. I also agree to pay 1.5% per month Late payment charge after 30 days.

LINCOLN COUNTY LANDFILL 715-536-9636
Site: N4750 Landfill Lane, Merrill, WI 54452
Mailing: 801 N Sales St, Ste 201, Merrill, WI 54452
OPERATING HOURS:
Monday-Friday
SUMMER (May 1 - Sept. 30) 7:00 am - 4:00 pm
WINTER (Oct. 1 - Apr. 30) 8:00 am - 4:00 pm
1st and 3rd Sat. 8:00 am - Noon

LINCOLN COUNTY LANDFILL 715-536-9636
Site: N4750 Landfill Lane, Merrill, WI 54452
Mailing: 801 N Sales St, Ste 201, Merrill, WI 54452
OPERATING HOURS:
Monday-Friday
SUMMER (May 1 - Sept. 30) 7:00 am - 4:00 pm
WINTER (Oct. 1 - Apr. 30) 8:00 am - 4:00 pm
1st and 3rd Sat. 8:00 am - Noon

DATE: 3/17/2021
Time In: 10:59 AM

TICKET #: 297626
Time Out: 11:06 AM

Vehicle #: 4
Trailer #:

BILL TO: R.E.I.
HAULER : Switlick & Sons, Inc.

JOB : 21 - 9 G - Forward Bank, Athens (Fmr Englebrecht)
PO# : REI job #9135

\$39.00 ton not exempt (CON51) 27.71 tn
Gross: 86660 Tare: 31240 Net Weight: 55420

Scale Notes:
CLAYTON

Charge Transaction

HAVE A GREAT DAY!

Customer Signature _____
Weighed By: Administrator

I certify that the waste in this vehicle complies with the Wisconsin Recycling law and the landfill bans. I also agree to pay 1.5% per month Late payment charge after 30 days.

DATE: 3/17/2021
Time In: 12:45 PM

TICKET #: 297636
Time Out: 12:51 PM

Vehicle #: 9
Trailer #:

BILL TO: R.E.I.
HAULER : Switlick & Sons, Inc.

JOB : 21 - 9 G - Forward Bank, Athens (Fmr Englebrecht)
PO# : REI job #9135

\$39.00 ton not exempt (CON51) 26.39 tn
Gross: 82300 Tare: 29520 Net Weight: 52780

Scale Notes:
JIM

Charge Transaction

HAVE A GREAT DAY!

Customer Signature _____
Weighed By: Administrator

I certify that the waste in this vehicle complies with the Wisconsin Recycling law and the landfill bans. I also agree to pay 1.5% per month Late payment charge after 30 days.

LINCOLN COUNTY LANDFILL 715-536-9636
Site: N4750 Landfill Lane, Merrill, WI 54452
Mailing: 801 N Sales St, Ste 201, Merrill, WI 54452
OPERATING HOURS:
Monday-Friday
SUMMER (May 1 - Sept. 30) 7:00 am - 4:00 pm
WINTER (Oct. 1 - Apr. 30) 8:00 am - 4:00 pm
1st and 3rd Sat. 8:00 am - Noon

DATE: 3/17/2021 TICKET #: 297637 Vehicle #: 5
Time In: 12:54 PM Time Out: 01:01 PM Trailer #:

BILL TO: R.E.I.
HAULER : Switlick & Sons, Inc.

JOB : 21 - 9 G - Forward Bank, Athens (Fmr Englebrecht)
PO# : REI job #9135

\$39.00 ton not exempt (CON51) 27.19 tn
Gross: 83880 Tare: 29500 Net Weight: 54380

Scale Notes: Charge Transaction
MATT

HAVE A GREAT DAY!

Customer Signature _____
Weighed By: Administrator

I certify that the waste in this vehicle complies with the Wisconsin Recycling law and the landfill bans. I also agree to pay 1.5% per month Late payment charge after 30 days.

LINCOLN COUNTY LANDFILL 715-536-9636
Site: N4750 Landfill Lane, Merrill, WI 54452
Mailing: 801 N Sales St, Ste 201, Merrill, WI 54452
OPERATING HOURS:
Monday-Friday
SUMMER (May 1 - Sept. 30) 7:00 am - 4:00 pm
WINTER (Oct. 1 - Apr. 30) 8:00 am - 4:00 pm
1st and 3rd Sat. 8:00 am - Noon

DATE: 3/17/2021 TICKET #: 297638 Vehicle #: 4
Time In: 12:55 PM Time Out: 01:03 PM Trailer #:

BILL TO: R.E.I.
HAULER : Switlick & Sons, Inc.

JOB : 21 - 9 G - Forward Bank, Athens (Fmr Englebrecht)
PO# : REI job #9135

\$39.00 ton not exempt (CON51) 23.58 tn
Gross: 78260 Tare: 31100 Net Weight: 47160

Scale Notes: Charge Transaction
CLAYTON

HAVE A GREAT DAY!

Customer Signature _____
Weighed By: Administrator

I certify that the waste in this vehicle complies with the Wisconsin Recycling law and the landfill bans. I also agree to pay 1.5% per month Late payment charge after 30 days.

LINCOLN COUNTY LANDFILL 715-536-9636

Site: N4750 Landfill Lane, Merrill, WI 54452

Mailing: 801 N Sales St, Ste 201, Merrill, WI 54452

OPERATING HOURS:

Monday-Friday

SUMMER (May 1 - Sept. 30) 7:00 am - 4:00 pm

WINTER (Oct. 1 - Apr. 30) 8:00 am - 4:00 pm

1st and 3rd Sat. 8:00 am - Noon

DATE: 3/18/2021
Time In: 03:34 PM

TICKET #: 297705
Time Out: 03:41 PM

Vehicle #: 9
Trailer #:

BILL TO: R.E.I.
HAULER : Switlick & Sons, Inc.

JOB : 21 - 9 G - Forward Bank, Athens (Fmr Englebrecht)
PO# : REI job #9135

\$39.00 ton not exempt (CON51) 26.47 tn
Gross: 82600 Tare: 29660 Net Weight: 52940

Scale Notes:
JIM

Charge Transaction

CLOSED FRIDAY, APRIL 2ND

Customer Signature _____
Weighed By: Administrator

I certify that the waste in this vehicle complies with the Wisconsin Recycling law and the landfill bans. I also agree to pay 1.5% per month Late payment charge after 30 days.

LINCOLN COUNTY LANDFILL 715-536-9636

Site: N4750 Landfill Lane, Merrill, WI 54452

Mailing: 801 N Sales St, Ste 201, Merrill, WI 54452

OPERATING HOURS:

Monday-Friday

SUMMER (May 1 - Sept. 30) 7:00 am - 4:00 pm

WINTER (Oct. 1 - Apr. 30) 8:00 am - 4:00 pm

1st and 3rd Sat. 8:00 am - Noon

DATE: 3/18/2021

Time In: 10:14 AM

TICKET #: 297656

Time Out: 10:21 AM

Vehicle #: 9

Trailer #:

BILL TO: R.E.I.

HAULER : Switlick & Sons, Inc.

JOB : 21 - 9 G - Forward Bank, Athens (Fmr Englebrecht)

PO# : REI job #9135

\$39.00 ton not exempt (CON51) 21.26 tn

Gross: 72640

Tare: 30120

Net Weight: 42520

Scale Notes:

JIM

Charge Transaction

HAVE A GREAT DAY!

Customer Signature _____

Weighed By: Administrator

I certify that the waste in this vehicle complies with the Wisconsin Recycling law and the landfill bans. I also agree to pay 1.5% per month Late payment charge after 30 days.

LINCOLN COUNTY LANDFILL 715-536-9636
Site: N4750 Landfill Lane, Merrill, WI 54452
Mailing: 801 N Sales St, Ste 201, Merrill, WI 54452
OPERATING HOURS:
Monday-Friday
SUMMER (May 1 - Sept. 30) 7:00 am - 4:00 pm
WINTER (Oct. 1 - Apr. 30) 8:00 am - 4:00 pm
1st and 3rd Sat. 8:00 am - Noon

LINCOLN COUNTY LANDFILL 715-536-9636
Site: N4750 Landfill Lane, Merrill, WI 54452
Mailing: 801 N Sales St, Ste 201, Merrill, WI 54452
OPERATING HOURS:
Monday-Friday
SUMMER (May 1 - Sept. 30) 7:00 am - 4:00 pm
WINTER (Oct. 1 - Apr. 30) 8:00 am - 4:00 pm
1st and 3rd Sat. 8:00 am - Noon

DATE: 3/19/2021 TICKET #: 297712 Vehicle #: 4
Time In: 08:08 AM Time Out: 08:16 AM Trailer #:

DATE: 3/19/2021 TICKET #: 297713 Vehicle #: 5
Time In: 08:09 AM Time Out: 08:17 AM Trailer #:

BILL TO: R.E.I.
HAULER : Switlick & Sons, Inc.

BILL TO: R.E.I.
HAULER : Switlick & Sons, Inc.

JOB : 21 - 9 G - Forward Bank, Athens (Fmr Englebrecht)
PO# : REI job #9135

JOB : 21 - 9 G - Forward Bank, Athens (Fmr Englebrecht)
PO# : REI job #9135

\$39.00 ton not exempt (CON51) 20.40 tn
Gross: 72060 Tare: 31260 Net Weight: 40800

\$39.00 ton not exempt (CON51) 21.13 tn
Gross: 72300 Tare: 30040 Net Weight: 42260

Scale Notes: Charge Transaction
CLAYTON

Scale Notes: Charge Transaction
MATT

CLOSED FRIDAY, APRIL 2ND

CLOSED FRIDAY, APRIL 2ND

Customer Signature _____
Weighed By: Administrator

Customer Signature _____
Weighed By: Administrator

I certify that the waste in this vehicle complies with the Wisconsin Recycling law and the landfill bans. I also agree to pay 1.5% per month Late payment charge after 30 days.

I certify that the waste in this vehicle complies with the Wisconsin Recycling law and the landfill bans. I also agree to pay 1.5% per month Late payment charge after 30 days.

LINCOLN COUNTY LANDFILL 715-536-9636
Site: N4750 Landfill Lane, Merrill, WI 54452
Mailing: 801 N Sales St, Ste 201, Merrill, WI 54452

OPERATING HOURS:

Monday-Friday
SUMMER (May 1 - Sept. 30) 7:00 am - 4:00 pm
WINTER (Oct. 1 - Apr. 30) 8:00 am - 4:00 pm
1st and 3rd Sat. 8:00 am - Noon

DATE: 3/19/2021
Time In: 08:13 AM

TICKET #: 297715
Time Out: 08:22 AM

Vehicle #: 9
Trailer #:

BILL TO: R.E.I.
HAULER: Switlick & Sons, Inc.

JOB : 21 - 9 G - Forward Bank, Athens (Fmr Englebrecht)
PO# : REI job #9135
\$39.00 ton not exempt (CON51) 20.76 tn
Gross: 71320 Tare: 29800 Net Weight: 41520

Scale Notes:
JIM

Charge Transaction

CLOSED FRIDAY, APRIL 2ND

Customer Signature _____
Weighed By: Administrator

I certify that the waste in this vehicle complies with the Wisconsin Recycling law and the landfill bans. I also agree to pay 1.5% per month Late payment charge after 30 days.

ATTACHMENT C
CONSTRUCTION PHOTOGRAPHS





(3-17-2021) Excavating soil in area of historical contamination



(3-17-2021) Excavating soil in area of historical contamination



(3-17-2021) Excavation Continued



(3-17-2021) Loading out trucks to Lincoln County Landfill



(3-17-2021) Excavation Continued



(3-18-2021) Excavation Continued



(3-18-2021) Excavation Continued



(3-19-2021) Excavation Continued



(3-19-2021) Loading Trucks of Contaminated Soil for Landfill Disposal



(3-19-2021) Excavation Complete



(8-31-2021) Forward Bank - New Construction Complete - View East Along Southern Boundary



(8-31-2021) Forward Bank - New Construction Complete - View East Along North Boundary



(8-31-2021) View East Along Northern Boundary



(8-31-2021) View South Along East Boundary



(8-31-2021) View West Along North Boundary



(8-31-2021) View Northwest from Intersection at New Forward Bank Building



(8-31-2021) View North at New Forward Bank Building



(8-31-2021) View Northeast at New Forward Bank Building

ATTACHMENT D

SUB-SLAB DEPRESSURIZATION SYSTEM

OPERATION & MAINTENANCE PLAN/POST INSTALLATION

REPORT



SWAT Group Inc.
411 E. Wisconsin Ave.
Suite 1280
Milwaukee, WI 53202



Midwest Region Headquarters
16680 W Cleveland Ave, STE C
New Berlin, WI 53151
Office: 262-754-2211
www.swat-radon.com

7/12/2021

We are pleased to provide you with an Operation and Maintenance Plan/Post installation Report for (1) sub-slab depressurization systems (SSDS) installed at the following address:

223 Alfred St, Athens, Wisconsin, 54411

One sub-slab depressurization system was installed at the property located at 223 Alfred St, Athens, WI 54411. The system utilizes Schedule 40, 3" PVC pipe and Obar GBR76 SOE intrinsically safe fan.

One interior system is routed inside the wall in the men's bathroom, Northeast corner. The system continues into the attic/crawlspace of the building and is routed horizontally North of the building an additional 3', then runs vertical and penetrates the roof. The roof penetration is sealed water type with compatible roof boots. The GBR76 is located on the roof and is secured using the compatible GBR roof mount and Pipe Pier Foam Mounts to reduce potential vibrations throughout the building. The collection point consists of 130' of 4" perforated drain tile wrapped in a silt sock. The sub slab drain tile extends our Pressure Field Extension (PFE) below the slab with less invasive piping above the floor.

This OM&M/Post Installation Report does not include information regarding electrical work. Electrical work was performed by a third-party electrician that was not supplied by SWAT Environmental. Please refer to electricians who performed work if maintenance needs to be performed on those components of the system.

PFE testing was done at the property to ensure that the sub-slab has been depressurized. A total of 4 tests were performed and recorded on the attached floor plan.

Test Point #1- Located in SW corner of office room 105 (see attached diagram) Results: -1.868" W.C
Test Point #2- Located in center of workroom 106 (see attached diagram) Results: -0.237" W.C
Test Point #3- Located in SW corner of the breakroom 112 (see attached diagram) Results: -0.567" W.C
Test Point #4- Located in SE corner of office room 115 (see attached diagram) Results: -0.336" W.C

All test locations show strong negative pressure readings indicating that the sub-slab is depressurized.

All workmanship is warranted for 5 years from date of completion 5/20/2021 Expires 5/20/2026
The GBR 76SOE is warranted for 3 years from date of purchase 4/12/2021 Expires 4/12/2024

The contents of this Operation and Maintenance Plan should be followed diligently, with periodic visual inspections of the fans and pressure gauges. We recommend recording the static pressure quarterly. All systems have a visual pressure gauge attached to the interior section of piping.

Questions regarding this Operation and Maintenance Plan, or any system abnormalities or malfunctions, shall be directed to:

SWAT Group Inc., Midwest Region
(262) 754-2211
swatenv@swat-radon.com

Air quality retesting and a service call should occur in the event of major structural change or nearby construction work (primarily blasting), particularly any type of work in which the foundation is breached or expanded.

Thank you for your attention to these procedural recommendations. We sincerely appreciate your business.

Sincerely,

A handwritten signature in black ink that reads "George Booth". The signature is written in a cursive style with a long horizontal stroke at the end.

George Booth, Regional Tech Manager, Midwest Region

SUB SLAB SYSTEM OPERATION

- Operation:** Vapor mitigation systems are designed to operate 24 hours per day, 7 days per week, except for brief periods of time when the system may be disconnected from the power source, de-energized, and locked out for routine maintenance or service.
- Activation:** A sub-slab depressurization system is activated when the circuit breaker is active and the mitigation fan is plugged into a duplex GFCI receptacle, or directly hard wired. Activations are to be conducted by or with a mitigation professional. Under no circumstances is this system to be disconnected or deactivated permanently without first contacting an AARST/NRPP Certified Vapor Mitigation Professional.
- Deactivation:** A sub-slab depressurization system may be safely deactivated by first disconnecting the mitigation fan from the duplex GFCI receptacle and placing a protective cover over the male plug to prevent it from being reinserted and then flipping the circuit breaker to the off position. We recommend securing a lockout cover which identifies the system is being serviced and prevents the breaker from being re-activated.

SSDS DIAGNOSTIC REFERENCE

A SSDS should be inspected once every three (3) months for operation, and a static pressure reading taken and recorded. There are some instances when an AARST/NRPP Certified Mitigation Professional should be contacted as soon as possible:

1. The mitigation fan is not operational, or the Manometer is registering outside of the recommended operating range. (<<.0" W>C to 16" W.C for GBR 76 SOE fan>>). First check the electrical connection and make sure that the circuit breaker is set to "on".
2. The mitigation fan is vibrating abnormally (beyond the subtle vibration of normal operation), is making a "screeching" or "grinding" sound, or, is unusually hot to the touch.
3. The electrical wire has been damaged or altered, or the fan has been vandalized or is no longer present.
4. There are visible cracks in the suction line or vent stack piping, or piping is no longer structurally supported.
5. There are visible cracks in or missing material from the seal where the suction line enters the collection chamber.
6. Major structural changes have been made to the building, or construction has occurred which affects the foundation.
7. In the event the property has changed ownership, warranties may be transferred to the new owner without additional charge.

SSDS: ORIGINAL STARTUP SYSTEM COMPONENTS AND SETTINGS

System#/Unit	223 Alfred St, WI 54411							
Pressure Gauge Location	Utility room (111)							
Fan Model	GBR 76 SOE							
Fan Location	Rooftop Fan location							
Original Fan WC"	3.0" W.C							

SSDS INSPECTION/MAINTENANCE LOG EXAMPLE

Year		Qtr 1	Qtr 2	Qtr 3	Qtr 4
Sys. #1	Monitor WC"				
	Sealed Items				
	Piping/Labels				
	Noted concerns				
	Last Radon Test (at least every 2 years)				
Sys. #2	Monitor WC"				
	Sealed Items				
	Piping/Labels				
	Noted concerns				
	Last Radon Test (at least every 2 years)				
Sys. #3	Monitor WC"				
	Sealed Items				
	Piping/Labels				
	Noted concerns				
	Last Radon Test (at least every 2 years)				
Sys. #4	Monitor WC"				
	Sealed Items				
	Piping/Labels				
	Noted concerns				
	Last Radon Test (at least every 2 years)				

Fill in the Date and Initial Each Category	DATES →									
MAINTENANCE ITEMS										
The mitigation fan is running and is not “screeching” or hot.										
The manometer is present and there is sufficient W.C.										
A static pressure reading was taken and recorded in the table.										
The collection chamber is intact, without cracks or missing sealant.										
Piping is intact and free of cracks. No joints are loose or open.										
Fire collars and intumescent fire caulk is intact.										
The piping remains securely bracketed or secured.										
The circuit breaker is functional and is switched to the “On” position.										
The wiring to the fan is intact and free of damage.										
The fan is securely connected to the power source.										
The flexible rubber couplings are free from cracks or damage.										
The system is free of signs of weather damage or vandalism.										



1000 WEST WASHINGTON, SUITE 200
MILWAUKEE, WI 53233

2025 West Washington, Parkway
Milwaukee, WI 53233
Phone (414) 387-1256
Fax (414) 388-4158
www.marawood.com

Copyright Marawood Construction Services, Inc. ("MCS") has prepared these plans for the general purpose of showing the proposed location of existing and proposed roof layout. MCS has no responsibility for the accuracy of the information shown on these plans. MCS is not responsible for the design of the roof layout. The design of the roof layout is the responsibility of the architect. MCS is not responsible for the design of the roof layout. The design of the roof layout is the responsibility of the architect. MCS is not responsible for the design of the roof layout. The design of the roof layout is the responsibility of the architect.

FORWARD BANK

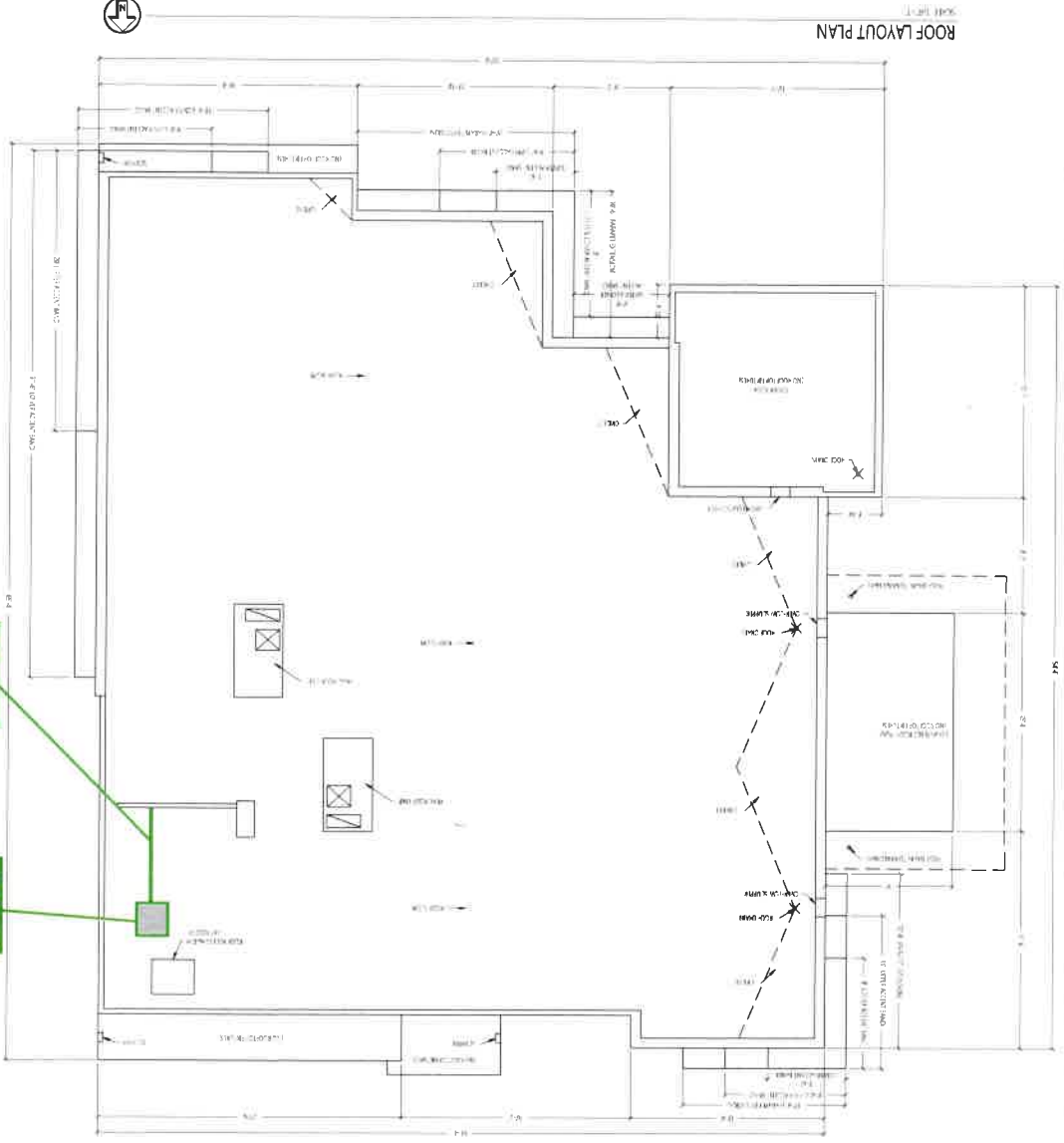
ATHENS, WI

PROPOSED PROJECT FOR:

DATE	1/12/21
REVISIONS	
JOB NO.	20177
DRAWN BY	J.A.R.
SHEET	S2.0
PROJECT	FORWARD BANK

PLAN ISSUED FOR CONSTRUCTION

ROOF LAYOUT PLAN



Pipe routed in attic/crawlspace

Intrinsically Safe VOC fan. Roof top mounted



Sub-slab drain tile installation



Sub-Slab Drain Tile Installation



Sub-Slab drain tile installation



Vent Riser

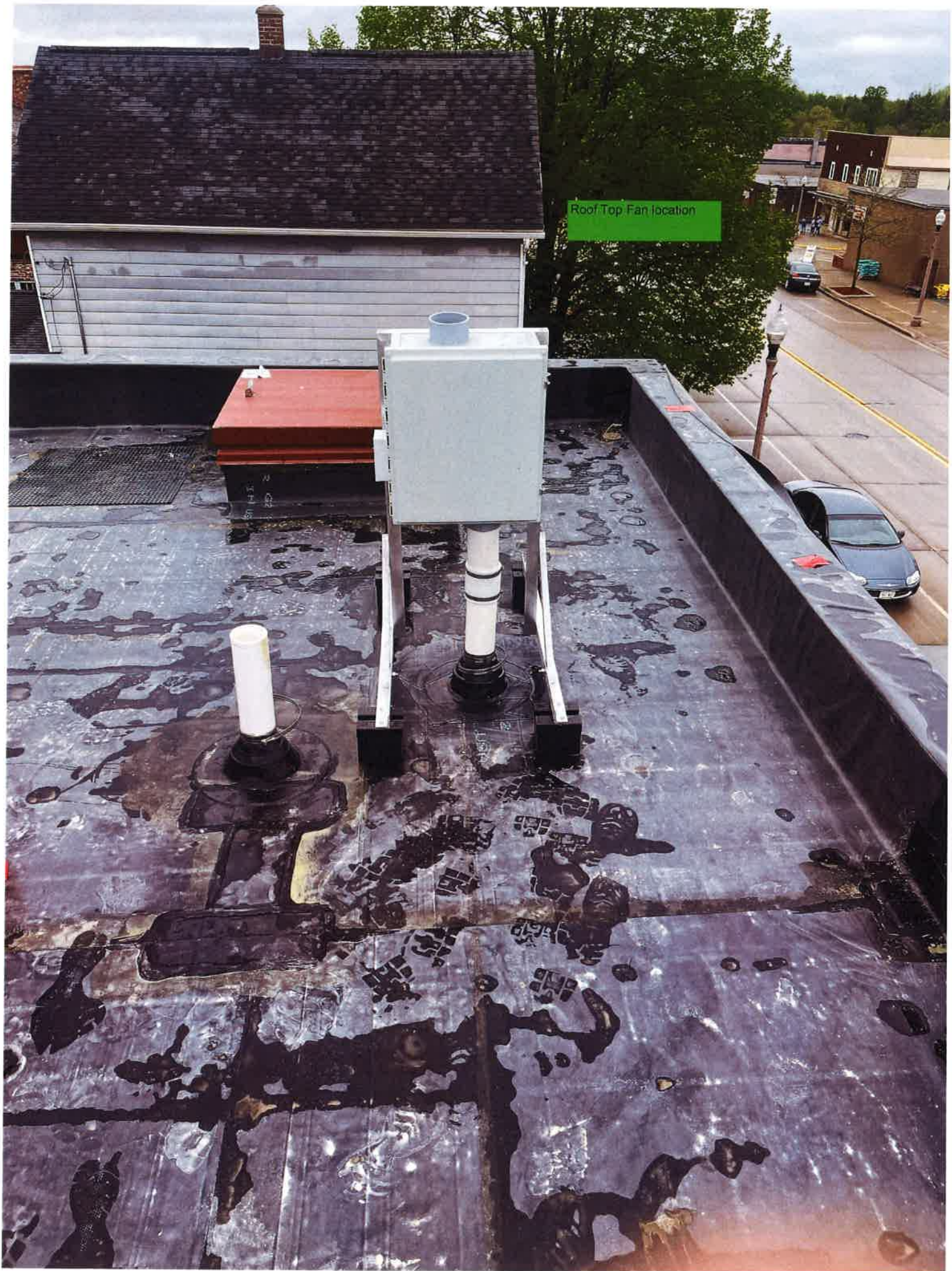
Interior pipe route





Attic/crawlspace
pipe run

RMS 13



Roof-Top Fan location

Test Point #1



The image shows a digital micro-manometer (DM1) connected to a test point. The device has a white plastic casing and a black LCD screen at the top displaying the number -1.86. Below the screen is a black control panel with four buttons: ZERO, TIME AVG., UNITS, and ON/OFF. The panel also features the INFILTEC logo and technical specifications.

INFILTEC
DIGITAL MICRO-MANOMETER
Model: DM1
Serial: 078509
Waynesboro, VA
540-843-0778
www.infiltec.com

ZERO Press to zero the part may vary if temperature and/or ambient change.
TIME AVG. Press once to set avg. period press again to reset period from 1-20 sec.
UNITS Press for metric 0.0 Pa or US 0.0001" wc.
ON/OFF Press for on/off the battery voltage is shown for 1 sec at power on.

Reference port side Signal port side

-237



DIGITAL
MICRO-
MANOMETER

Model: DM1
Serial: 378506
Waynesboro, VA
(540) 943-2776
WWW.INFILTEC.COM

Reference port side

MAX PRES = 5K PA
TEMP = 0 TO 50 C

ZERO

Press to rezero
(the zero may vary if
temperature and
orientation change)

TIME
AVG.

Press once to
see **avg. period**
(press again to reset
period from 1-32 sec)

UNITS

Press for metric
(0.0 Pa) or
US (0.000 " wc)

ON/
OFF

Press for **on/off**
(the battery voltage
is shown for 1 sec at
power on)

Signal port side

Test Point #2

Test Point #3

INFILTEC
DIGITAL
MICRO-
MANOMETER

Model: DM1
Serial: 378506
Waynesboro, VA
(540) 943-2776
WWW.INFILTEC.COM

ZERO	Press to rezero (the zero may vary if temperature and orientation change)
TIME AVG.	Press once to see avg. period (press again to reset period from 1-32 sec)
UNITS	Press for metric (0.0 Pa) or US (0.000 " wc)
ON OFF	Press for on/off (the battery voltage is shown for 1 sec at power on)

Reference port side Signal port side

Test Point #4

INFILTEC
DIGITAL MICRO-MANOMETER
Model: DM1
Serial: 378506
Waynesboro, VA
(540) 943-2776
www.INFILTEC.COM

Reference port side

ZERO	Press to rezero (the zero may vary if temperature and orientation change)
TIME AVG.	Press once to see avg. period (press again to reset period from 1-32 sec)
UNITS	Press for metric (0.0 Pa) or US (0.000 "wc)
ON/ OFF	Press for on/off (the battery voltage is shown for 1 sec at power on)

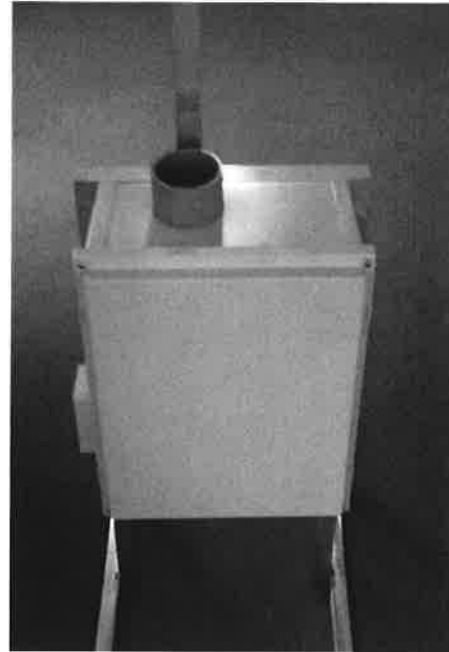
Signal port side

THE OBAR GBR76

COMPACT RADIAL BLOWER



Based on 25 years of experience and 2 years of research and development, the patent pending GBR series of compact radial blowers provide the perfect combination of performance and design.



GBR76 WITH ROOF MOUNT

PERFORMANCE

- GBR76 SOE 16" WC @ 0 Max flow 155 CFM.
- GBR76 UD 40" WC @ 0 Max flow 195 CFM.
- Built in speed control to customize performance.
- Condensate bypass built in.
- 12 month warranty - 40,000 hr sealed bearings.

DESIGN

- Our modular design means the blower and manifold assembly can be removed and replaced as a unit. This makes repairs cost effective and easy and allows contractors to upgrade systems simply by swapping assemblies.
- The GBR series is based on a bypass blower designed to handle combustible materials.
- The housing is not required to be air tight, so you can add gauges and alarms without compromising the system.
- Built in condensate bypass.
- Built in speed control.
- Quick disconnect electrical harness.
- All UL listed components including UL listed enclosure for outside use.
- Wall fastening lugs included.
- GBR series roof and wall mounts available to quickly configure the blowers for your installation while providing a custom built look.
- Compact design 16"x 14"x 8" weighing only 18 lbs.
- 3" schedule 40 inlet and exhaust.
- Universal Drive model accepts voltage from 120-240V without alteration

COST	GBR76 SOE	GBR76 UD
COMPLETE UNIT	\$1289.00	\$1489.00
3 YEAR WARRANTY	\$450.00	\$550.00

GBR76 SOE	0"	2"	4"	6"	8"	10"	12"	16"	Wattage
SOE 16	150	140	129	118	105	90	75	35	150-320
SOE 12	125	115	100	83	62	39	0		110-200
SOE 8	105	90	70	42	0				60-120
SOE 4	75	50	0						37-50

GBR SOE performance using built in potentiometer set at sealed vacuums of 16, 12, 8, and 4" WC

GBR76 UD	0"	10"	20"	30"	37"	Wattage
110V	195	158	118	63	20	700-870
220V	197	162	130	89	50	800-1100

Blower Specifications

Notes:

Input Voltage Range: 108-132 Volts AC RMS, 50/60 Hz, single phase.

Input Current: 6 amps AC RMS

Operating Temperature (Ambient Air and Working Air): 0°C to 50°C

Storage Temperature: -40°C to 85°C

Dielectric Testing: 1500 Volts AC RMS 60 Hz applied for one second between input pins and ground, 3mA leakage maximum.

Speed Control Methods: PWM (Pulse Width Modulation) (1 kHz to 10 kHz)

0 to 10 VDC speed control.

Mechanical: A potentiometer is available for speed control of the blower. The potentiometer can be preset for a specific speed. Access for speed adjustment located in motor housing.

Approximate Weight: 4.8 Lbs. / 2.2 Kg

Regulatory Agency Certification: Underwriters Laboratories Inc. UL507 Recognized under File E94403 and compliant under the CE Low Voltage Directive 2006/95/EC.

Design Features: Designed to provide variable airflow for low NOx & CO emission in high efficiency gas fired combustion systems. Built with non-sparking materials. Blower housing assembly constructed of die cast aluminum. Impeller constructed from hardened aluminum. Rubber isolation mounts built into blower construction to dampen vibration within the motor. Two piece blower housing assembly sealed with O-ring gasket for combustion applications. Customer is responsible to check for any leakage once the blower is installed into the final application.

Miscellaneous: Blower inlet, discharge, and all motor cooling inlet and discharge vents must not be obstructed. Motor ventilation air to be free of oils and other foreign particles, (i.e. breathing quality air). Blower is to be mounted so ventilation air cannot be re-circulated.

POWER CONNECTION: Blower connector, AMP Universal MATE-N-LOK, part no. 1 350943-0.

SPEED CONNECTION: Blower connector, Molex Mini Fit Jr., part no. 39 30 3056.

Mating harnesses available upon request.

Enclosure Specifications

atings:

Ingress Protection (EN 60529): 66/67

Electrical insulation: Totally insulated

Halogen free (DIN/VDE 0472, Part 815): yes

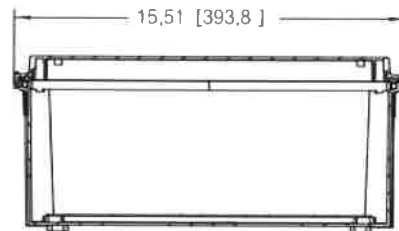
UV resistance: UL 508

Flammability Rating (UL 746 C 5): complies with UL 508

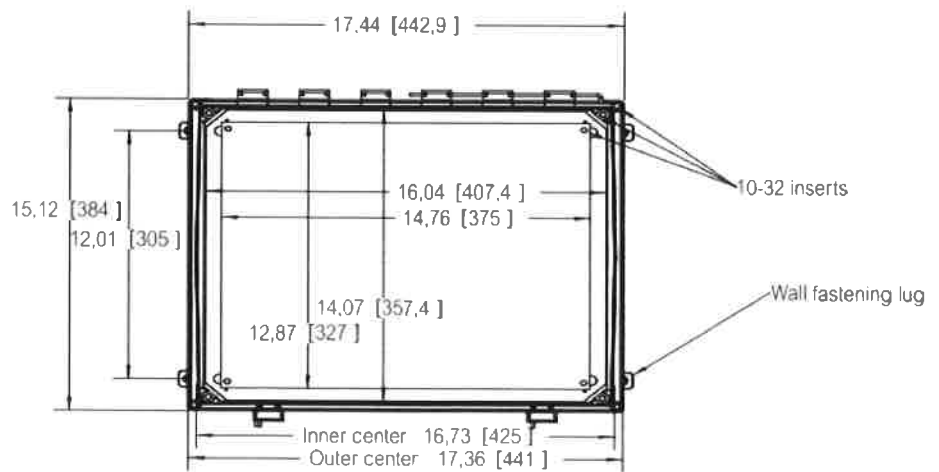
Low Wire Test (IEC 695-2-1) °C: 960

EMA Class: UL Type 4, 4X, 6, 6P, 12 and 13

Certificates: Underwriters Laboratories



Screw cover



Top View - cover removed



Distributed by Obar Systems
Installation & Warranty

Read these instructions completely and retain for future reference.

1. Warning! The use of this fan may affect combustion devices, always check for a backdraft on all combustion devices before and after installation.
2. Warning! This fan is not intended for use in hazardous environments where a motor spark could ignite combustible or flammable materials.
3. All wiring must be performed by a licensed electrical contractor in accordance with the National Electrical Code and all local and state codes governing the municipality in which it is installed.
4. The GBR series blowers are intended for use and installation by professionals familiar with installation and design of systems for the remediation of radon and volatile organic compounds. Unqualified or unlicensed individuals should not undertake the installation or service of this product.

INSTALLATION

The installation instructions provided are for guidance only, any installation should meet all state and local codes and guidelines.

1. Temperature restrictions: The GBR SOE/UD will run and start in a temperature range from -20 to 180 degrees F. The GBR HA will run at a temperature of -20 to 180 degrees F but may not start if the motor temperature is below 0 degrees F at time of startup.
2. Ground water restrictions: The blower should not be installed at a height above water table that is less than the vacuum setting for the blower, if the water table is unknown then the base of the slab should be used as a default. The GBR series is a high vacuum blower and will draw water into the assembly and damage the impeller and motor if not properly installed.
3. Speed control: The GBR series blowers have a built in speed control that can be used to field adjust the vacuum on your system. These should only be adjusted by an experienced installer familiar advanced systems design and installation. For information regarding on site adjustments please contact Obar Systems for further information.
4. Enclosure: It is not recommended that the enclosure be opened except for repairs and adjustments. Contact Obar Systems before removing the cover.
5. Mounting: The fan should be mounted in a vertical orientation with the discharge pointing

upward. The inlet and discharge should be attached with a PipeConx or similar flexible connector of the appropriate size. The connector should provide a gap of 1.5 inches between the inlet pipe and inlet fitting and discharge pipe and discharge fitting. This will allow for motor assembly replacement in future repairs. The GBR comes with wall fastening lugs that provide for a flush installation on a flat even surface. Optional roof and wall mounts are available and are designed to reduce installation times dramatically. Contact Obar Systems for additional information on mounting systems. The fan should be located in an area that provides easy access and does not obstruct the operations of the building to which it is attached.

6. Discharge: Make sure the discharge meets or exceeds National guidelines and local codes for the installation and venting of Radon and or VOCs (Volatile Organic Compounds). In the event that there is the possibility of debris entering the discharge of the fan, it is recommended that a guard be installed to protect the blower from damage.

Warranty

Subject to any applicable consumer protection legislation, Obar Systems warrants the GBR series fans for 12 months from the date of purchase.

Obar systems will repair or replace any fan which fails due to defects in materials and workmanship. A RMA must be obtained and proof of purchase is required to be serviced by this warranty.

This warranty is contingent upon the fan having been installed as per the installation requirements set forth by Obar Systems and in accordance with the requirements of federal and state authorities governing the installation systems designed for radon and volatile organic compounds.

Obar systems is not responsible for the installation, removal or delivery costs associated with this warranty.

Except as stated, the GBR series are provided without warranty of any kind, either expressed or implied, including without limitation, implied warranties of merchantability and fitness for a particular use.

Obar systems is in no way responsible for any direct or indirect damages relating to the performance of the GBR series fan. Any liability shall not exceed the purchase price of the unit. The sole remedy under this warranty shall be the repair or replacement of the unit

Contact Obar Systems to obtain a RMA (Return Material Authorization) number for any and all warranties. If return is required, the customer is responsible for all freight charges.

Obar Systems Inc.
2969 Route 23 South
Newfoundland NJ 07435
800 949 6227



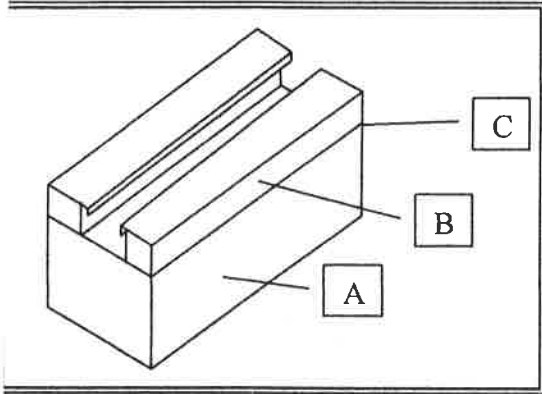
PIPE PIER® Elite Submittal Sheet

PE PIER® support blocks have been designed and engineered specifically for rooftop and raised floor applications. The PE PIER® Elite series is offered in the following dimensions:

- PP50ELH4 – 4”H x 4”W x 10-1/2”L with 50 lbs max load.
- PP50ELH6 – 6”H x 4”W x 10-1/2”L with 50 lbs max load.
- PP30ELH4 – 4”H x 4”W x 5”L with 30 lbs max load.

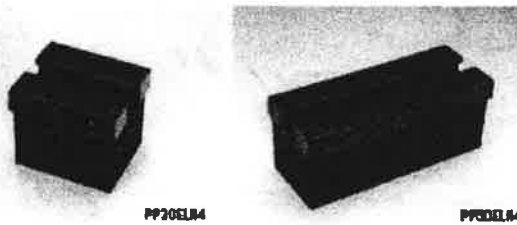
Components

- Closed-cell, medium density, black expanded polypropylene foam
- High density molded polyethylene cap with integrated strut design.
- Hot melt adhesive-bonded HDP to foam block – American Chemical



Arplank 1.9# EPP foam offers excellent strength, resistance to creep under loadings up to 5.0psi, vibration & shock absorbency and water resistance characteristics. It has successfully passed MVSS 302 flammability testing and meets or exceeds the requirements for U.S. Federal Standard CID AA-59136 Type IV.

Physical Properties	Test Method	Direction	Value
Density	D3575, Suffix W, Method B	N/A	3.9 pcf
Compression Set	ASTM D 3575, Suffix B	Vertical	12%
Compression Creep @ 5.0 psi (1000 hr/72 F)	ASTM D 3575, Suffix BB	Vertical	<10%
Thermal Stability	ASTM D 3575, Suffix S	N/A	<1%
Water Absorption	ASTM D 3575, Suffix L	N/A	<1.0%



American Chemical is a sprayable heat & moisture-resistant hot melt adhesive. It has a 400 degree flash point and is applied by a nozzle applicator during the manufacturing process.

U.S. Patent No. 5855342, U.S. Patent No. 6305650, U.S. Patent No. 6679461, Other patents pending

PIPE PIER® Support Systems, P: 763.745.4223 F: 763.745.4222 www.pipepier.com