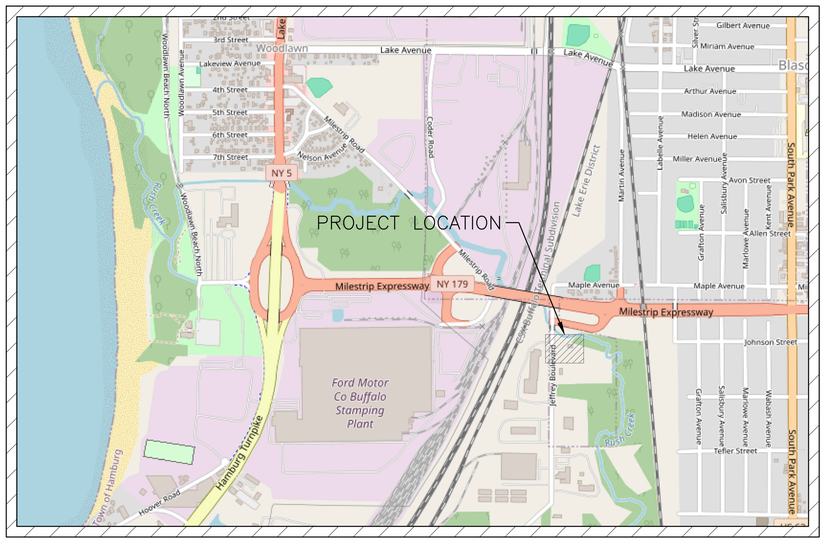
ERIE COUNTY
SEWER DISTRICT NO. 3
CONTRACT NO. 86R
VILLAGE OF BLASDELL

BLASDELL VILLAGE BARN

MARK C. POLONCARZ
COUNTY EXECUTIVE



LOCATION MAP
NO SCALE

DANIEL CASTLE, AICP
COMMISSIONER OF ENVIRONMENT & PLANNING

AUGUST 2026

ERIE COUNTY
DEPARTMENT OF ENVIRONMENT AND PLANNING
DIVISION OF SEWERAGE MANAGEMENT
95 FRANKLIN ST. BUFFALO, N.Y. 14202

ALTERATION OF THIS DOCUMENT
EXCEPT AS PROVIDED BY SECTION 7209
IS A VIOLATION OF THE
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INDEX & NOTES

GENERAL COMMENTS

1. THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERALLY THE LOCATIONS OF THE MATERIAL AND EQUIPMENT. THESE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS POSSIBLE.
2. MINOR DETAILS NOT USUALLY SHOWN OR SPECIFIED, BUT NECESSARY FOR PROPER INSTALLATION AND OPERATION, SHALL BE INCLUDED IN THE CONTRACTORS ESTIMATE THE SAME AS IF HEREIN SPECIFIED OR SHOWN.
3. WITH SUBMISSION OF BID, IT IS MUTUALLY AGREED THE CONTRACTOR HAS INCLUDED THE COST OF ALL REQUIRED ITEMS IN HIS PROPOSAL, AND THAT HE WILL BE RESPONSIBLE FOR THE APPROVED SATISFACTORY FUNCTIONING OF THE ENTIRE SYSTEM WITHOUT EXTRA COMPENSATION
4. BEFORE SUBMITTING BID, CONTRACTOR SHALL VISIT THE SITE AND EXAMINE THE CONDITIONS ON WHICH THEIR WORK IS IN ANY WAY DEPENDANT FOR THE BEST WORKMANSHIP AND OPERATION ACCORDING TO THE INTENT OF SPECIFICATION AND DRAWINGS.
5. NO CONSIDERATION OR ALLOWANCE WILL BE GRANTED FOR FAILURE TO VISIT SITE, OR FOR ANY ALLEGED MISUNDERSTANDING OF MATERIALS TO BE FURNISHED OR WORK TO BE DONE.
6. THE CONTRACTOR'S WORK AREA SHALL BE CONFINED TO THE LIMITS OF WORK/DISTURBANCE AS SHOWN. SHOULD THE CONTRACTOR WORK OUTSIDE THE WORK LIMITS WITHOUT PRIOR APPROVAL, ANY AND ALL EXPENSES/PENALTIES/CREDITS REQUIRED TO RESTORE THE DISTURBED AREAS TO ORIGINAL CONDITIONS OR BETTER WILL BE AT THE CONTRACTOR'S EXPENSE.
7. THE ELECTRICAL CONTRACTOR SHALL VERIFY THE ELECTRICAL REQUIREMENTS OF ALL ACTUAL EQUIPMENT INVOLVED PRIOR TO THE INSTALLATION OF ELECTRICAL SERVICE TO THE SAME.
8. ANY WORK INSTALLED CONTRARY TO, OR WITHOUT CONCURRENCE OF THE OWNER'S REPRESENTATIVE, SHALL BE SUBJECT TO CHANGE AS DIRECTED BY THE OWNER'S REPRESENTATIVE, AND NO EXTRA COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR FOR MAKING THE CHANGES.
9. ALL MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE, LOCAL CODES, AND ORDINANCES.
10. ALL CONDUITS ON EXPOSED WORK SHALL BE RUN AT RIGHT ANGLES TO, AND PARALLEL WITH, THE SURROUNDING WALL AND SHALL CONFORM TO THE FORM OF THE CEILING. NO DIAGONAL RUNS WILL BE ALLOWED. BENDS IN PARALLEL CONDUIT RUNS SHALL BE CONCENTRIC. ALL CONDUIT SHALL RUN PERFECTLY STRAIGHT AND TRUE.
11. EQUIPMENT MANUFACTURER NAMES AND MODEL NUMBERS ARE LISTED AS THE BASIS OF DESIGN AND AS A STANDARD FOR CONSTRUCTION AND FEATURES. MANUFACTURERS OF EQUIVALENT EQUIPMENT MAY BE SUBSTITUTED UPON APPROVAL BY THE ENGINEER.
12. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS, CATALOG CUT SHEETS, AND PRODUCT DATA FOR ALL EQUIPMENT AND COMPONENTS TO BE INSTALLED.
13. PROVIDE TYPEWRITTEN PANELBOARD SCHEDULES FOR ALL PANELS, WITH CORRECT NOTES PERTAINING EQUIPMENT.
14. LIGHTING FIXTURES ARE APPROXIMATE. LOCATE FIXTURES AS REQUIRED TO AVOID INTERFERENCE WITH NEW BUILDING STEEL, PIPING, DUCTWORK, CONDUIT ETC. COORDINATE EXACT LOCATIONS AS NEAR AS POSSIBLE TO THE LOCATION INDICATED.
15. THE PIPING INDICATED ON THESE PLANS ARE DIAGRAMMATIC. ALL WORK SHALL BE COORDINATED WITH ALL OTHER TRADES PRIOR TO INSTALLATION. CONTRACTOR SHALL COORDINATE ROUTING OF ALL PIPING WITH EXISTING CONDITIONS AND SHALL PROVIDE ANY NECESSARY OFFSETS, REROUTING, TEES, ELBOWS, ETC. REQUIRED FOR A COMPLETE AND COORDINATED INSTALLATION.
16. ALL PLUMBING & PIPING SYSTEMS SHALL BE SUPPORTED AS REQUIRED BY THE STATE AND LOCAL CODE REQUIREMENTS AND PER MANUFACTURER'S RECOMMENDATIONS.
17. THE CONTRACTOR SHALL BE PRESENT AND ASSIST IN THE FINAL WALK INSPECTION. THE CONTRACTOR SHALL PROVIDE SUFFICIENT PERSONNEL AND EQUIPMENT TO DEMONSTRATE TO THE OWNER/ENGINEER THAT ALL COMPONENTS AND MATERIALS FUNCTION AND OPERATE AS REQUIRED.
18. CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ANY & ALL REQUIRED WORK PERMITS.

CONCRETE NOTES

1. ALL CONCRETE SHALL HAVE MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 4000 PSI. ALL STRUCTURAL CONCRETE SHALL CONFORM WITH A.C.I. "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" – ACI 301.
2. CONTRACTOR SHALL SUBMIT MIX DESIGNS FOR APPROVAL. MIX DESIGN SHALL INDICATE 7 AND 28 DAYS STRENGTHS, CEMENT CONTENT, AIR CONTENT, WATER–CEMENT RATIO, AMOUNT OF FINE AND COARSE AGGREGATES AND ADMIXTURES. CONCRETE SLABS SHALL BE TROWEL FINISHED. SEE ARCHITECTURAL DRAWINGS FOR ALL CONCRETE FINISHES AND TOPPINGS – THESE LISTED ARE THE EXPECTED MINIMUM.
   a. MAXIMUM WATER–CEMENT RATIO = 0.45 (EXCEPT INTERIOR SLABS–ON–GRADE = 0.50)
   b. MAXIMUM SLUMP LIMIT = 4" MAXIMUM AGGREGATE SIZE:
      b1. FOOTINGS & FOUNDATIONS = ¾" TO 1½"
      b2. SLAB–ON–GRADE = ¾" TO 1"
      b3. CONCRETE FILL = ½"
   c. CEMENT SHALL BE PORTLAND CEMENT, TYPE I OR II, CONFORMING TO ASTM–C–150. CONCRETE AGGREGATES SHALL CONFORM TO ASTM C–33.
   d. WATER–REDUCING ADMIXTURE SHALL CONFORM TO C494/C494M, TYPE A. NON–SHRINK GROUT SHALL CONFORM TO ASTM C–109.
   e. EXPANSION JOINTS SHALL BE ½" THICK ASPHALT IMPREGNATED FIBERBOARD JOINT MATERIAL, CONFORMING TO ASTM D–1751.
   f. CURE + SEAL COMPOUND SHALL BE CLEAR, CONFORMING TO ASTM CI315
3. COLD WEATHER CONCRETE WORK, WHEN APPLICABLE, SHALL CONFORM TO ACI 306.
4. HOT WEATHER CONCRETE WORK, WHEN APPLICABLE, SHALL CONFORM TO ACI 305.
5. ALL FLOOR SLABS SHALL BE CONSTRUCTED TO HAVE A MINIMUM FLATNESS OF 1/8–INCH IN 10–FEET IN ANY DIRECTION.
6. ALL BAR REINFORCING FOR CONCRETE TO CONFORM TO ASTM A615, GRADE 60. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.
7. CONCRETE ACCESSORIES TO BE ADEQUATE TO MAINTAIN REINFORCING ACCURATELY IN PLACE AND BE NON–CORROSIVE, NON–STAINING TYPE.
8. LAP ALL BAR REINFORCING PER ACI 318. STAGGER SPLICES IN HORIZONTAL WALLS AND SLABS.
9. STONE BASE FOR CONCRETE SHALL BE 2 INCH CRUSHED STONE CONTINUOUS TO OUTSIDE EDGE OF PIERS.

DESIGN REQUIREMENTS

A. DESIGN CRITERIA: EXCEPT AS SHOWN OR SPECIFIED OTHERWISE, BUILDING DESIGN SHALL CONFORM TO THE METAL BUILDING MANUFACTURERS ASSOCIATION'S (MBMA) "DESIGN PRACTICES" AND "CODE OF STANDARD PRACTICE," AND WITH THE FOLLOWING CRITERIA:

1. DESIGN LIVE LOADS
   a. SLAB ON GRADE: 150 PSF
   b. ROOF (MINIMUM): 20 PSF
2. DESIGN ROOF SNOW LOADS
   a. GROUND SNOW LOAD (P_G) = 50 PSF
   b. SNOW EXPOSURE FACTOR (C_E) = 0.9
   c. SNOW LOAD IMPORTANCE FACTOR (I_S) = 1.0
   d. THERMAL FACTOR (C_T): 1.0 (HEATED)
   e. DRIFT SURCHARGE LOAD (P_D) = PER METAL BUILDING MANUFACTURER
   f. WIDTH OF SNOW DRIFT (W) = PER METAL BUILDING MANUFACTURER
3. GENERAL WIND DESIGN LOAD
   a. BASIC WIND SPEED: 110 MPH, V_{ASD} = 85 MPH
   b. WIND LOAD IMPORTANCE FACTOR (I_W) = 1.0
   c. WIND EXPOSURE CATEGORY = B
   d. WIND RISK CATEGORY = II
4. SEISMIC DESIGN DATA
   a. S_{DS} = 0.168
   b. S_{D1} = 0.070
   c. S_S = 0.158
   d. S_1 = 0.044
   e. SITE CLASS: D (ASSUMED)
   f. SEISMIC DESIGN CATEGORY "B"
   g. SEISMIC RISK CATEGORY II
   h. SEISMIC LOAD IMPORTANCE FACTOR (I_E) = 1.0
5. FLOOD DESIGN DATA
   a. PROJECT IS NOT LOCATED IN A FLOOD ZONE AREA
6. ROOF RAIN LOAD DESIGN DATA
   a. 100–YR/HR RAIN INTENSITY I = 2.29"/HR

DRAWING INDEX

SHEET NO.	SHEET TITLE
1	COVER
2	INDEX & NOTES
3	SITE PLAN AND EXTERIOR ELEVATION VIEWS
4	GRADING, FOUNDATION, AND SLAB PLAN WITH DETAIL
5	FLOOR PLAN AND INTERIOR INSULATION PLAN
6	UTILITY PLAN

PRINTED 8–18–2026

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REVISIONS

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95 FRANKLIN ST. BUFFALO, N.Y. 14202

STATE OF NEW YORK · GARRY S. PECAK · 089063 · LICENSED PROFESSIONAL ENGINEER

DRAWN BY: JDG
CHECKED BY: MP
DATE: JULY/2026
SCALE: AS SHOWN
FILE NAME BLASDELL BARN

Erie County Sewer District No. 3
Town of Blasdell
Contract 86R

INDEX & NOTES

SHEET NO. 2 OF 6

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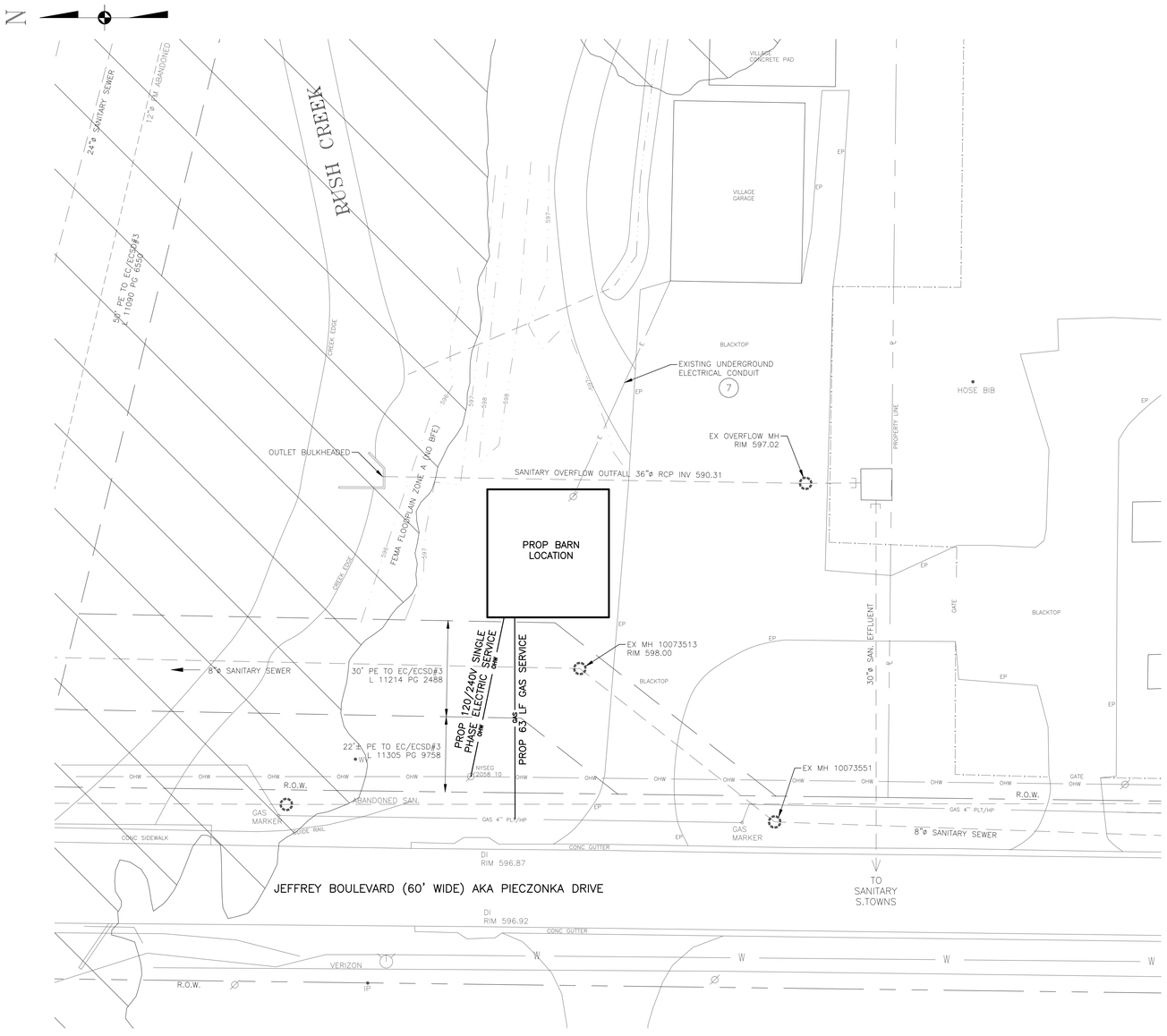
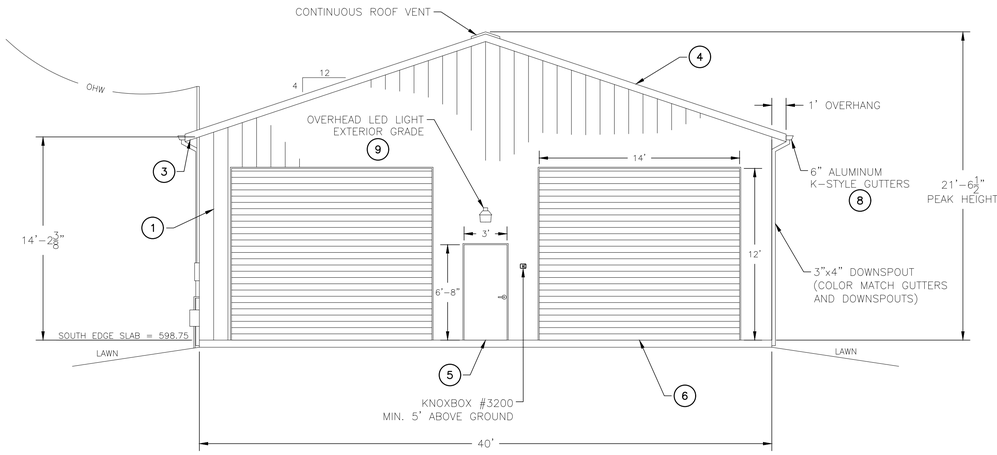
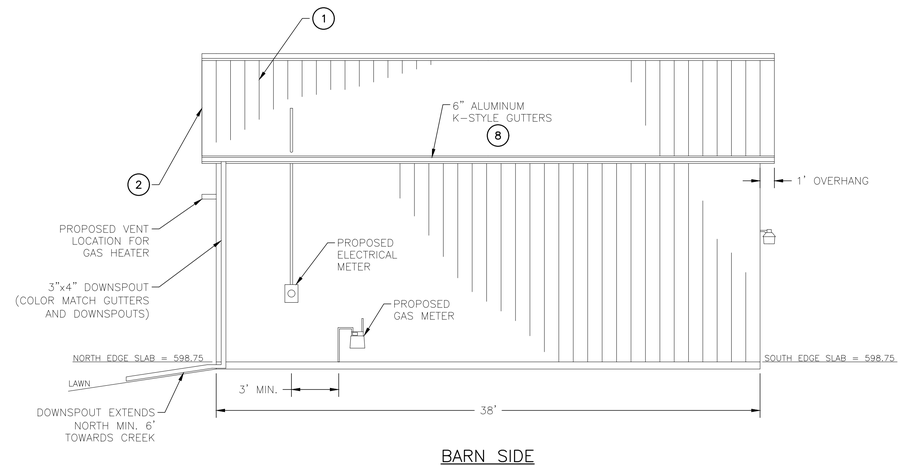
SITE PLAN AND EXTERIOR ELEVATION VIEWS



SITE PLAN
SCALE: 1"=20'



BARN FRONT ELEVATION VIEW (SOUTH FACE)
SCALE: 1"=5'



BARN SIDE ELEVATION VIEW (WEST FACE)
SCALE: 1"=5'

KEYNOTES
1. 26 GAUGE RIB STEEL PANEL (FASTENED WITH COLOR MATCH POWDER COATED ZINC ALUMINUM HEAD & EPDM RUBBER SEAL)
2. 26 GAUGE STEEL NON VENTED SOFFIT (COLOR MATCH ROOF)
3. 26 GAUGE STEEL VENTED SOFFIT (COLOR MATCH ROOF)
4. 26 GAUGE STEEL FASCIA (COLOR MATCH ROOF)
5. (1) 3'x6'8" FLUSH HOLLOW INSULATED STEEL DOOR, FACTORY PAINT WHITE, KEYED DEADBOLT AND LEVER LOCKSET, R-5 OR BETTER
6. (2) 14'x12' INSULATED STEEL OVERHEAD DOOR, WHITE, R-17 OR BETTER, BACKFACE, CHI MODEL 3216 OR APPROVED EQUAL
7. EXISTING UNDERGROUND ELECTRICAL SERVICE WIRE LOCATED ON EXISTING UTILITY POLE TO BE PULLED PRIOR TO CONSTRUCTION BY OTHERS
8. GUTTERS TO BE PITCHED TO NORTH SIDE OF BUILDING AND DIRECTED TOWARDS CREEK
9. EXTERIOR GARAGE LIGHT, COMMERCIAL ELECTRIC MODEL #LED29-PC-GR OR EQUAL

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STATE OF NEW YORK · GARY S. PECHT · 089063 · LICENSED PROFESSIONAL ENGINEER

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Erie County Sewer District No. 3
Town of Blasdell
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SITE PLAN AND EXTERIOR ELEVATION VIEWS

SHEET NO. 3 OF 6

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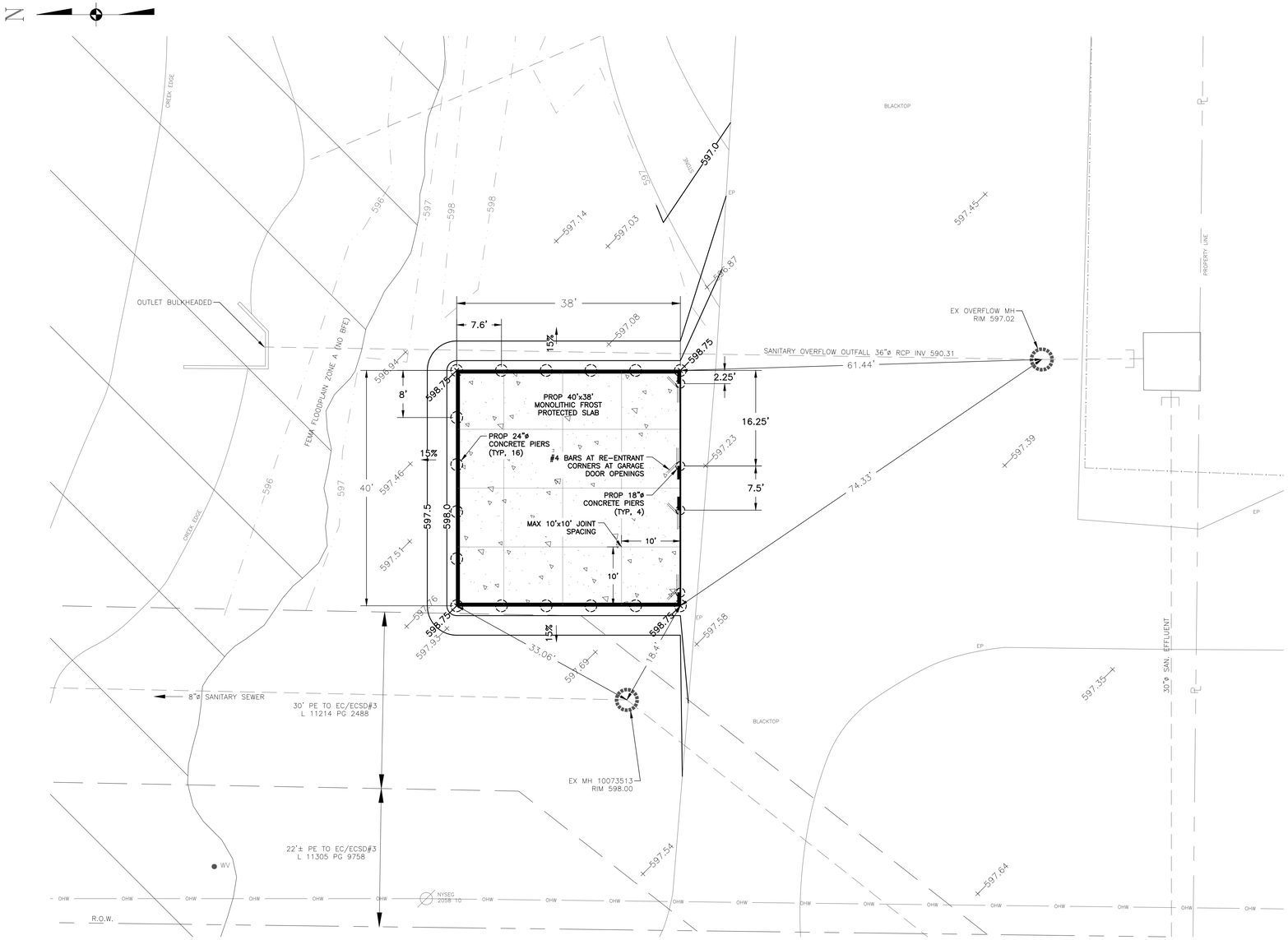
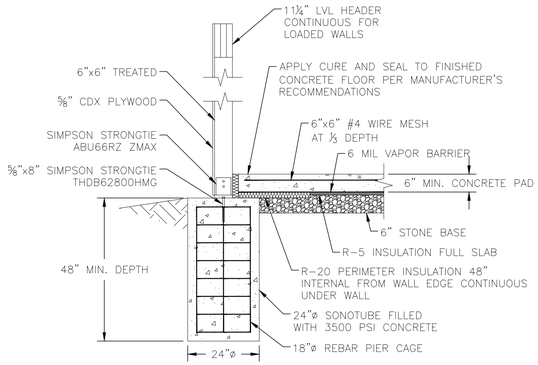
GRADING AND SLAB PLAN WITH DETAIL



LEGEND:

- 597.39 × EXISTING SPOT ELEVATION
- 598 EXISTING CONTOURS
- 598.25 × PROPOSED SPOT ELEVATION
- 597.5 PROPOSED CONTOURS
- PROPOSED CONC PAD



24"ø CONCRETE PIER DETAIL

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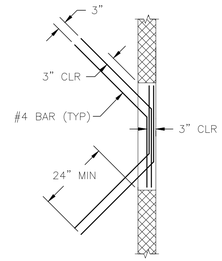

RE-ENTRANT CORNERS AT GARAGE DOOR OPENINGS DETAIL

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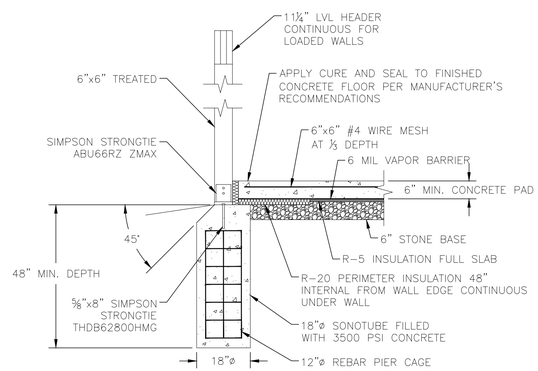

18"ø CONCRETE PIER DETAIL

SCALE: 1"=2'-0"

GRADING, FOUNDATION, AND SLAB PLAN

SCALE: 1"=10'

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GRADING, FOUNDATION, AND SLAB PLAN WITH DETAIL

SHEET NO. 4 OF 6

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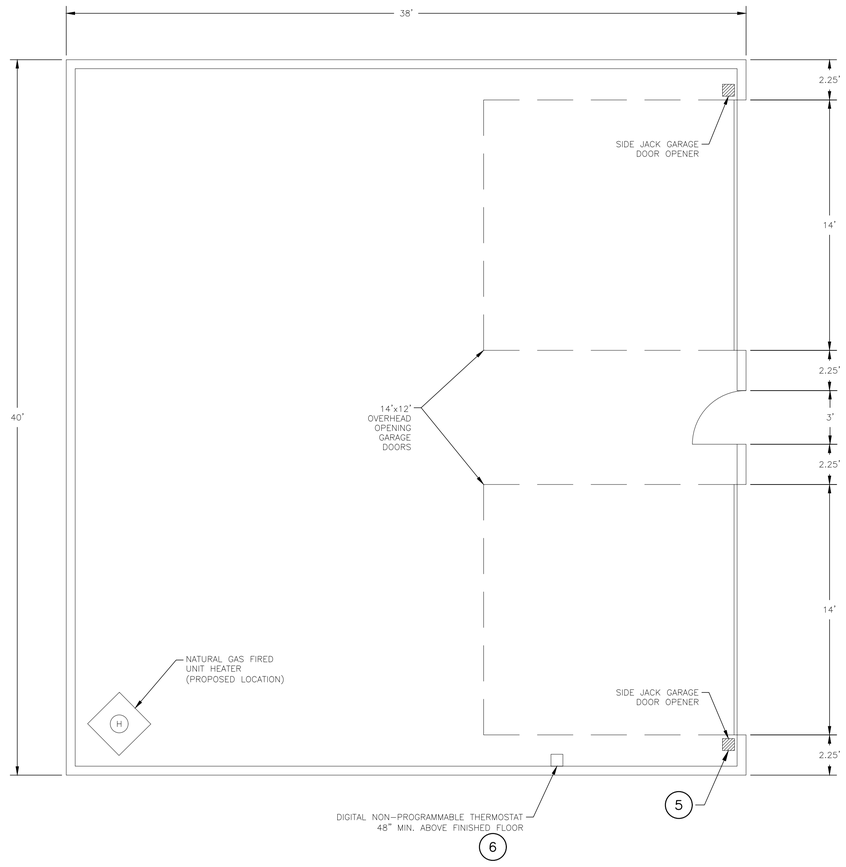
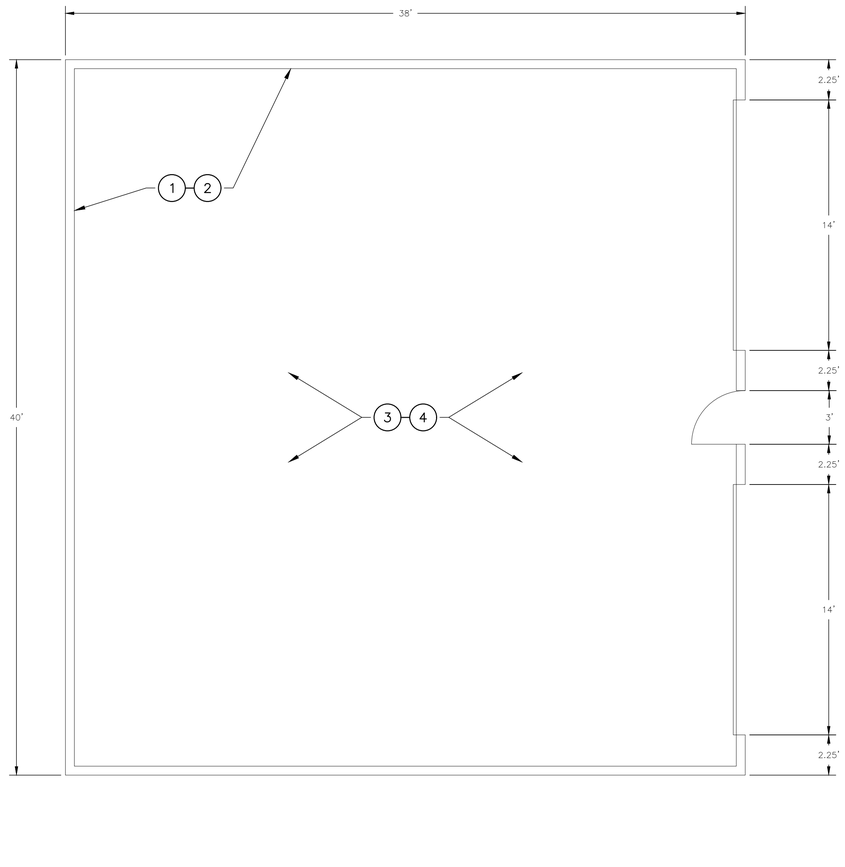
FLOOR PLAN AND INTERIOR INSULATION PLAN



FLOOR PLAN
SCALE: 1"=4'



INTERIOR INSULATION PLAN
SCALE: 1"=4'

KEYNOTES

1. WALL INSULATION – R-17 REINFORCED BLANKET WITH 4 MIL VAPOR BARRIER OR EQUAL
2. WALL COVERING – 29 GAUGE RIB STEEL LINER PANEL – WHITE (FASTENED WITH PAINTED SCREWS)
3. CEILING INSULATION – R-38 REINFORCED BLANKET WITH 4 MIL VAPOR BARRIER OR EQUAL
4. CEILING COVERING – 29 GAUGE RIB STEEL LINER PANEL WHITE (FASTENED WITH PAINTED SCREWS)
5. JH5011 LIFTMASTER, 3 BUTTON WALL STATION AND REMOTE (TYP)
6. HONEYWELL NON-PROGRAMMABLE THERMOSTAT, MODEL RTH111B OR EQUAL

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DATE: JULY/2026
SCALE: AS SHOWN
FILE NAME BLASDELL BARN

Erie County Sewer District No. 3
Town of Blasdell
Contract 86R

FLOOR PLAN AND INTERIOR INSULATION PLAN

SHEET NO. 5 OF 6

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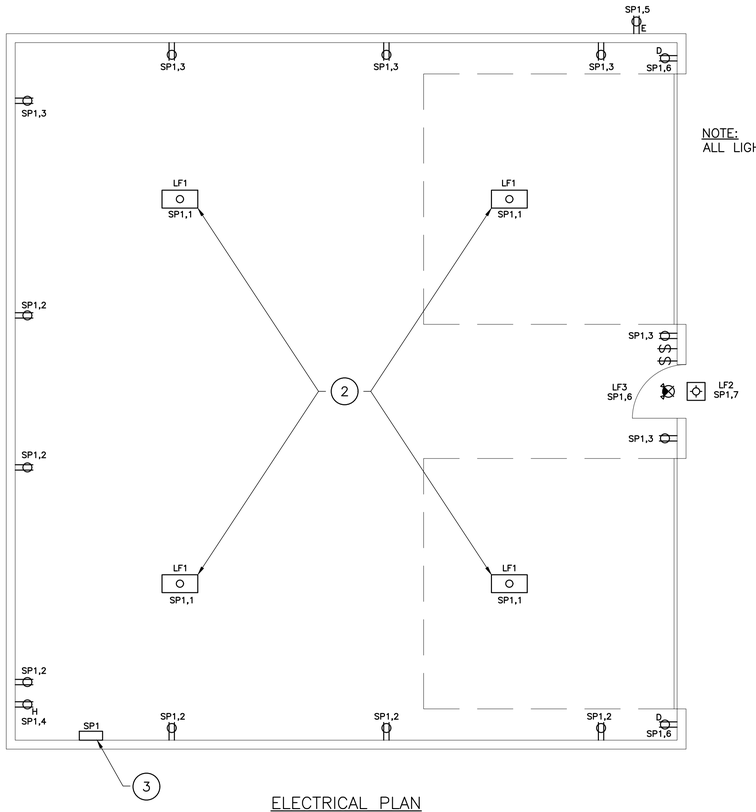
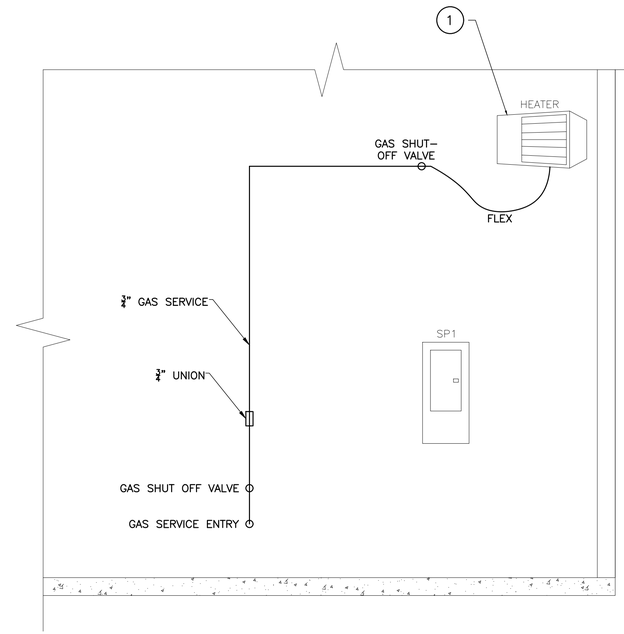
UTILITY PLAN



ELECTRICAL PLAN

SCALE: 1"=4'

NOTE:
ALL LIGHTING CIRCUITS SHALL BE ON 20 AMP CIRCUITS.



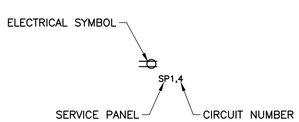
GAS SERVICE AND
PANEL PROFILE

SCALE: 1"=2'

ELECTRICAL SYMBOLS LIST

- 1'x2' 5K LED HI BAY SHOP LIGHT
- 20 AMP OUTLET – OUTLETS SPACED MAX 12' APART, MAX 6' FROM OPENINGS IN WALLS – MAX 48" ABOVE FINISHED FLOOR
- 20 AMP OUTLET FOR UNIT HEATER
- 20 AMP OUTLET FOR GARAGE DOOR OPENER
- 20 AMP EXTERIOR GFCI OUTLET IN WEATHER TIGHT ENCLOSURE
- ILLUMINATED EXIT SIGN
- SINGLE POLE TOGGLE SWITCH FOR EXTERIOR AND INTERIOR LIGHTS
- SP1 PROPOSED 200 AMP SERVICE PANEL
- EXTERIOR LIGHT

ELECTRICAL SYMBOL CIRCUIT KEY



KEYNOTES

1. REZNOR – UDX60, 60,000 BTU NATURAL GAS FIRED UNIT HEATER OR EQUAL.
   THE CONTRACTOR SHALL PROVIDE ALL COMPONENTS, ACCESSORIES, SUPPORTS, CLEARANCES VENTING, GAS PIPING, ELECTRICAL CONNECTIONS AND CONTROLS REQUIRED FOR A COMPLETE AND OPERABLE INSTALLATION, WHETHER OR NOT SPECIFICALLY INDICATED ON DRAWING. IT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS AND RECOMMENDATIONS, APPLICABLE BUILDING CODES, AND ALL GOVERNING AUTHORITIES HAVING JURISDICTION.
2. COMMERCIAL ELECTRIC, HIGH BAY LIGHT, MODEL 50232191 OR EQUAL.
3. EATON BR 200 AMP 20–SPACE, 40 CIRCUIT LOAD CENTER, MODEL BRP20L200G OR EQUAL.
   PROVIDE AND INSTALL (3) ADDITIONAL 20 AMP CIRCUIT BREAKERS IN SP1. BREAKERS SHALL BE OF THE SAME MANUFACTURER, TYPE, AMP CAPACITY, INTERRUPTING RATING AND SERIES RATING AS THE PANELBOARD IN WHICH THEY ARE INSTALLED. THEY SHALL BE INSTALLED IN AVAILABLE SPACE, CONNECTED TO BUS, AND CLEARLY IDENTIFIED AS SPARE IN THE PANEL SCHEDULE.

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STANDARD NOTES:
1. SFR, SELECT FILL REQUIRED, TO BE NO. 2 CRUSHER RUN STONE
2. R IN PROFILE DENOTES RISER. FINAL LOCATION TO BE DETERMINED IN THE FIELD.
3. 'R' IN PLAN VIEW DENOTES TREE REMOVAL AND REPLACEMENT, 1 FOR 1 OR 2 FOR 1 ACCORDING TO SIZE OF TREE REMOVED.
4. 'R1' DENOTES TREE REMOVAL & REPLACEMENT 1 FOR 1 ONLY.
5. 'R2' DENOTES TREE REMOVAL WITH NO REPLACEMENT.
6. 'T' IN PLAN VIEW DENOTES TREE TUNNEL.
7. CONTRACTOR SHALL TIE DOWN PROPERTY IRONS PRIOR TO CONSTRUCTION AND ACCURATELY REPLACE THOSE DISTURBED.
8. ALL PIPE MUST BE SDR–35 P.V.C. UNLESS OTHERWISE NOTED.

STANDARD NOTES (CON'T):
9. CONSTRUCTION AND TESTING TO CONFORM TO ERIE COUNTY SEWER DISTRICT RULES & REGULATIONS
10. CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS.
11. CONTRACTOR IS RESPONSIBLE FOR VERIFYING, LOCATING AND PROTECTION OF ALL UTILITIES INCLUDING UNDERGROUND UTILITIES AND STRUCTURES.
12. SEWER TESTING TO BE IN ACCORDANCE WITH E.C.S.D. CONSTRUCTION SPECIFICATIONS AND STANDARDS.
13. DENOTES SOIL BORE
14. "W.T." DENOTES WATERTIGHT M.H. ASSEMBLY REQ(SPEC.01020)
15. PROPERTY LINES ARE FOR VISUAL PURPOSES ONLY

REVISIONS			
NO.	BY	DATE	DESCRIPTION
1	JDG	8/2026	BID SET

ALTERATION OF THIS DOCUMENT EXCEPT AS PROVIDED BY SECTION 7209 IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW

ERIE COUNTY
DEPT. OF ENVIRONMENT AND PLANNING
DIVISION OF SEWERAGE MANAGEMENT
95 FRANKLIN ST. BUFFALO, N.Y. 14202

STATE OF NEW YORK · GARRY S. PERAL · 089063 · LICENSED PROFESSIONAL ENGINEER

DRAWN BY: JDG
CHECKED BY: MP
DATE: JULY/2026
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Erie County Sewer District No. 3
Town of Blasdell
Contract 86R

UTILITY PLAN

SHEET NO. 6 OF 6

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