

ADDENDUM NO. 1

VILLAGE OF GRATIS WELL RECONSTRUCTION

NOVEMBER 4, 2025

To: Planholders

From: Mote & Associates, Inc.
214 West Fourth Street
Greenville, Ohio 45331

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E-mail: info@moteassociates.com

Re: Village of Gratis
Well Reconstruction

This Addendum forms a part of the Contract Documents and modifies the original Contract Documents dated October 2025. Acknowledge receipt of this Addendum in the space provided on the Bid Proposal form. Failure to do so may subject the Bidder to disqualification.

GENERAL CLARIFICATIONS

1. The project substantial completion date will be changed from March 31, 2026 to August 31, 2026.
2. An OEPA Permit To Install (PTI) set of plans will be released when available (estimated date 1/31/26). Bidding will be done to the revision 1 set of design plans dated 11-4-25, which require movement of the well to a new location approximately 10' from the existing well. The cost of any substantial design changes on the OEPA approved plans will be submitted as change orders.

End of Addendum

GENERAL NOTES:

1. THE CONTRACTOR SHALL COMPLY WITH ALL LAWS, ORDINANCES, RULES, ORDERS, AND REGULATIONS RELATING TO THE PERFORMANCE OF THE WORK REQUIRED BY THE CONTRACT.
2. ALL EXISTING DITCHES SHALL BE MAINTAINED AND RESTORED THROUGHOUT THE CONTRACT AND ANY MAINTENANCE PERIOD. THE CONTRACTOR SHALL PROVIDE SEDIMENT AND EROSION CONTROL FOR ALL DISTURBED AREAS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROCURING THE ELECTRICAL PERMIT FOR THE WELL SITE.
4. IF DURING THE COURSE OF CONSTRUCTION, EVIDENCE OF DEPOSITS OF HISTORICAL OR ARCHEOLOGICAL INTEREST IS FOUND, THE CONTRACTOR SHALL CEASE OPERATIONS AFFECTING THE EVIDENCE. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND THE ENGINEER SHALL NOTIFY THE OHIO HISTORIC PRESERVATION OFFICE. NO FURTHER DISTURBANCE OF THE EVIDENCE SHALL OCCUR UNTIL THE CONTRACTOR HAS BEEN NOTIFIED IN WRITING THAT HE MAY PROCEED. THE ENGINEER WILL ISSUE A NOTICE TO PROCEED ONLY AFTER THE OHIO HISTORIC PRESERVATION OFFICE HAS SURVEYED THE FIND AND MADE A DETERMINATION OF VALUE AND EFFORT AND SUBMITTED SUCH A DETERMINATION TO THE OWNER.
5. THERE SHALL BE NO BURNING ON THE JOB SITE OF CONSTRUCTION DEBRIS.
6. THE CONTRACTOR SHALL PLAN HIS OPERATIONS SO THAT DISRUPTION OF EXISTING FACILITIES IS AT A MINIMUM.
7. ALL PUMPING AND DEWATERING NECESSARY FOR THE CONSTRUCTION OF ANY ITEMS SHALL BE CONSIDERED INCIDENTAL TO THOSE PARTICULAR CONSTRUCTION ITEMS.
8. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE, AND LOCAL SAFETY REQUIREMENTS. THE CONTRACTOR SHALL EXERCISE PRECAUTIONS AT ALL TIMES FOR THE PROTECTION OF ALL INVOLVED PEOPLE AND PROPERTY. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INITIATE, MAINTAIN, AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS, AND PROGRAMS IN CONJUNCTION WITH THE WORK.

WELL TRANSMISSION LINE NOTES:

- DETECTION WIRE
1. DETECTION WIRE OVER THE WELL TRANSMISSION LINE SHALL BE REQUIRED.
 2. THE DETECTION WIRE FOR THE WELL TRANSMISSION LINE SHALL BE 12 AWG OR THICKER WIRE WITH A 45 MIL MINIMUM BLUE INSULATION. THE DETECTION WIRE SHALL ALLOW ELECTRONIC DETECTION OF THE WELL TRANSMISSION LINE WHILE NOT DAMAGING THE WELL TRANSMISSION LINE IN ANY WAY. THE DETECTION WIRE SHALL BE FASTENED TO THE OUTSIDE TOP CENTER OF THE PIPE AT 10' MAXIMUM INTERVALS WITH ELECTRICAL TAPE WRAPPED THREE TIMES AROUND THE PIPE. SPLICES IN THE WIRE SHALL BE MADE USING WATERTIGHT CONNECTORS.
 3. THE DETECTION WIRE SHALL BE TESTED FOR CONTINUITY AFTER BACKFILL IS COMPLETED. IF THE TEST FOR CONTINUITY IS NEGATIVE, THE CONTRACTOR SHALL REPAIR OR REPLACE THE DETECTION WIRE AT HIS OWN EXPENSE AND AS DIRECTED BY THE ENGINEER.

- WELL TRANSMISSION LINE TESTING
4. HYDROSTATIC PRESSURE TESTING SHALL BE REQUIRED AS DIRECTED BY THE ENGINEER AND IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS. THE TEST PRESSURE SHALL BE 100 PSI.

RECORD PLANS:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING NOTES OF THE CONSTRUCTION PROCESS THAT CAN BE PRESENTED TO THE ENGINEER FOR THE DEVELOPMENT OF RECORD PLANS. SUCH NOTES SHALL INCLUDE INFORMATION GATHERED DURING THE SEQUENCE OF CONSTRUCTION REGARDING UNDERGROUND UTILITY LOCATIONS, INCLUDING DEPTHS. ESPECIALLY OF INTEREST SHALL BE ANY UTILITIES NOT SHOWN ON THE PLANS OR DEVIATIONS FROM LOCATIONS SHOWN ON THE PLANS. UNDERGROUND UTILITIES SHALL INCLUDE STORM DRAINS, GAS LINES, AND ELECTRIC AND COMMUNICATION CABLES, AS WELL AS EXISTING WATER LINES AND SANITARY SEWER LINES THAT ARE SCHEDULED TO REMAIN IN SERVICE. THE CONTRACTOR SHALL PRESENT THIS INFORMATION TO THE ENGINEER UPON COMPLETION OF CONSTRUCTION.
2. THE CONTRACTOR SHALL MAINTAIN A SET OF CONSTRUCTION RECORD PLANS DURING THE PROJECT AT THE WORK SITE.

EXISTING UTILITIES:

1. EXISTING UNDERGROUND UTILITIES AND SERVICES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS TO THE BEST INFORMATION AVAILABLE. THE LOCATIONS SHOWN ARE INTENDED ONLY AS A GUIDE AND CANNOT BE GUARANTEED ACCURATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR, AND INCLUDE IN HIS BID THE COST TO:
 - 1.1. CONTACT THE INDIVIDUAL UTILITY OWNER AND THE OHIO UTILITIES PROTECTION SERVICE (OUPS) 10 DAYS PRIOR TO CONSTRUCTION AND ADVISE THEM OF THE WORK TO TAKE PLACE. SEE THE TITLE SHEET FOR CONTACT INFORMATION FOR EACH UTILITY.
 - 1.2. SOLICIT THEIR AID IN LOCATING AND PROTECTING ANY UTILITY WHICH MAY INTERFERE WITH THE CONSTRUCTION.
 - 1.3. EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF EACH SHOWN AND/OR MARKED UTILITY.
 - 1.4. REPAIR ALL DAMAGES AS A RESULT OF CONSTRUCTION TO ANY EXISTING UTILITY. DAMAGE TO UTILITIES THAT ARE SHOWN ON THE PLANS AND/OR MARKED IN THE FIELD SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL FIELD LOCATE AS TO THE ELEVATION & LOCATION THOSE UTILITIES THAT CROSS THE NEW CONSTRUCTION THAT MAY POTENTIALLY INTERFERE OR BE IN CONFLICT WITH THE NEW CONSTRUCTION. THE PRICE FOR THIS IS TO BE INCLUDED IN THE PRICE OF THE PERTINENT BID ITEM. IF THERE IS A CONFLICT AND THE CONTRACTOR FAILS TO LOCATE THE UTILITY, NO EXTRAS WILL BE ALLOWED FOR LOSS OF TIME OR PRODUCTION.
3. THE CONTRACTOR SHALL MAINTAIN SANITARY AND STORM SEWER FLOWS AT ALL TIMES. PAYMENT FOR ANY ADDITIONAL COST INVOLVED IN MAINTAINING THESE FLOWS BY PUMPING OR BY SOME OTHER MEANS APPROVED BY THE ENGINEER SHALL BE INCLUDED IN THE PERTINENT BID ITEM.
4. EXISTING FIELD TILES AND/OR STORM SEWERS NOT SHOWN ON THE PLANS WHICH ARE DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR. PAYMENT TO THE CONTRACTOR FOR SUCH REPAIRS SHALL BE AT THE THE UNIT PRICE PROVIDED FOR THE STORM DRAIN REPAIR CONTINGENCY QUANTITY. STORM DRAIN REPAIR CONTINGENCY QUANTITIES WILL ONLY BE USED IF NEEDED AND AS DIRECTED BY THE ENGINEER. SEE THE "STORM DRAIN REPAIR DETAIL" ON THIS SHEET FOR REPAIR REQUIREMENTS.
5. THE CONTRACTOR SHALL REPLACE AND/OR RESTORE IN KIND ALL DRAINAGE STRUCTURES, CULVERTS, AND APPURTENANCES IN ALL AREAS DISTURBED BY THE CONTRACTOR.
6. ONLY THE OWNERS OF THE EXISTING UTILITIES SHALL OPERATE VALVES AND OTHER APPURTENANCES ASSOCIATED WITH THE UTILITIES UNLESS PRIOR PERMISSION IS GRANTED BY THE UTILITY OWNERS.
7. IF INTERFERENCE ARISES WITH EXISTING UTILITIES DURING CONSTRUCTION, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE UTILITY COMPANY INVOLVED. THERE WILL BE NO DELAYS ALLOWED IN THE PROJECT SCHEDULE FOR UTILITY INTERFERENCES.

ELECTRICAL NOTES:

1. THE CONTRACTOR SHALL DETERMINE THE RATINGS OF ALL REQUIRED DISCONNECTS IN ACCORDANCE WITH NEC REQUIREMENTS. PROVIDE DISCONNECTS, AND TERMINATE WIRING TO EQUIPMENT SERVED, WHETHER OR NOT THE EQUIPMENT IS SHOWN.
2. EXCEPT WHERE NOTED OTHERWISE, ALL WIRING REQUIRED TO BE IN CONDUIT BY THE NEC SHALL CONSIST OF TYPE THWN/THHN COPPER CONDUCTORS EITHER IN EMT, RIGID METAL CONDUIT, OR MC CABLE WITH A SEPARATE COPPER GROUNDING CONDUCTOR. ALL WIRING PERMITTED TO BE DIRECT BURIAL CABLE BY THE NEC SHALL CONSIST OF TYPE URD CABLE WITH A GROUNDING CONDUCTOR. INTERIOR CONNECTIONS TO EQUIPMENT SHALL BE IN FLEXIBLE METAL CONDUIT WITH A MAXIMUM LENGTH OF 6 FOOT. CONNECTIONS TO EXTERIOR EQUIPMENT SHALL BE IN LIQUID TIGHT FLEXIBLE METAL CONDUIT. UNDERGROUND OR UNDER FLOOR RACEWAYS MAY BE SCHEDULE 40 PVC RIGID NON METALLIC CONDUIT. NON METALLIC - SHEATHED CABLE MAY BE USED WHERE PERMISSIBLE BY NEC 336. THE ALLOWABLE AMPACITY OF RACEWAYS OR CABLES WITH MORE THAN THREE CURRENT CARRYING CONDUCTORS SHALL BE REDUCED AS PER TABLE 310 (b)(2)(a) OF THE NEC.
3. SEAL ALL EXTERIOR SURFACES PENETRATED BY WIRING AND RACEWAYS.
4. PROVIDE ALL FRAMING AND STRUCTURAL SUPPORTS NECESSARY FOR ELECTRICAL MATERIALS, DEVICES, EQUIPMENT, AND FIXTURES.
5. EXTERIOR ELECTRICAL EQUIPMENT AND DEVICES SHALL BE HOUSED IN NEMA TYPE 3R OR NEMA 4/4X ENCLOSURES.
6. GROUND ALL SYSTEMS, INCLUDING SEPARATELY DERIVED SYSTEMS, AS REQUIRED BY THE NEC.
7. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL MOTOR CONTROLLERS AND ACCESSORIES REQUIRED BY THE NEC AND NOT INDICATED TO BE PROVIDED WITH EQUIPMENT PROVIDED BY OTHER PRIME CONTRACTORS.
8. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED IN ORDER TO COMPLETE INSTALLATION OF REQUIRED ELECTRICAL SYSTEMS MATERIALS AND EQUIPMENT.
9. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL EXCAVATION AND BACKFILL REQUIRED IN ORDER TO COMPLETE INSTALLATION OF REQUIRED ELECTRICAL SYSTEMS MATERIALS AND EQUIPMENT.
10. THE DRAWINGS SHOW SOME INFORMATION RELATIVE TO EXISTING UNDERGROUND ITEMS. THE INFORMATION SHOWN WAS OBTAINED THROUGH RESEARCH OF RECORDS AND MAY NOT MATCH ACTUAL EXISTING CONDITIONS. ITEMS MAY EXIST IN LOCATIONS OTHER THAN WHERE SHOWN AND ITEMS MAY EXIST WHICH ARE NOT SHOWN. THE ELECTRICAL CONTRACTOR SHALL BE TOTALLY RESPONSIBLE FOR IDENTIFYING AND LOCATING ALL EXISTING UNDERGROUND ITEMS WITHIN 50 FEET OF PLANNED EXCAVATION BEFORE BEGINNING ANY EXCAVATION WORK. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REPAIRS AND COST REIMBURSEMENT REQUIRED BECAUSE OF DAMAGE DONE TO EXISTING UNDERGROUND ITEMS BY THE ELECTRICAL CONTRACTOR.
11. UNDERGROUND RACEWAYS SHALL BE INSTALLED TO MEET THE MINIMUM COVER REQUIREMENTS IN TABLE 300-5 OF THE NATIONAL ELECTRICAL CODE.
12. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL INSPECTING AUTHORITIES FOR PROPER ELECTRICAL INSPECTIONS.
13. ALL ELECTRICAL WORK AND MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (NEC) AND THE OHIO BUILDING CODE (OBC).
14. VERIFY WITH OWNER THE LOCATIONS AND SELECTION OF ALL ELECTRICAL EQUIPMENT PRIOR TO INSTALLATION.
15. INSTALL ALL MATERIALS IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN RECOMMENDATIONS AND IN ACCORDANCE WITH ALL CONDITIONS OF THE U.L. OR FM LISTINGS.
16. ELECTRICIAN SHALL VERIFY THAT ANY ALTERATIONS TO EXISTING PANELS SHALL NOT RESULT IN THE ACTUAL NEC LOAD EXCEEDING THE RATED AMPERAGE OF THE PANEL.
17. THE ELECTRICAL CONTRACTOR SHALL PROVIDE UNDERGROUND TAPE ±12" BELOW GROUND SURFACE IN ALL UNDERGROUND ELECTRICAL TRENCHES. TAPE SHALL STATE "WARNING-UNDERGROUND ELECTRIC CABLE".
18. ALL GROUNDING SHALL BE IN COMPLIANCE WITH NEC ART. 250.

MUNICIPAL WELL RECONSTRUCTION VILLAGE OF GRATIS PREBLE COUNTY, OHIO



SITE LOCATION & AERIAL

NO SCALE

UTILITY COMPANIES

INTERNET
BRIGHTSPEED
WEST 3RD STREET DAYTON
OHIO 45402
(883) 692-7773

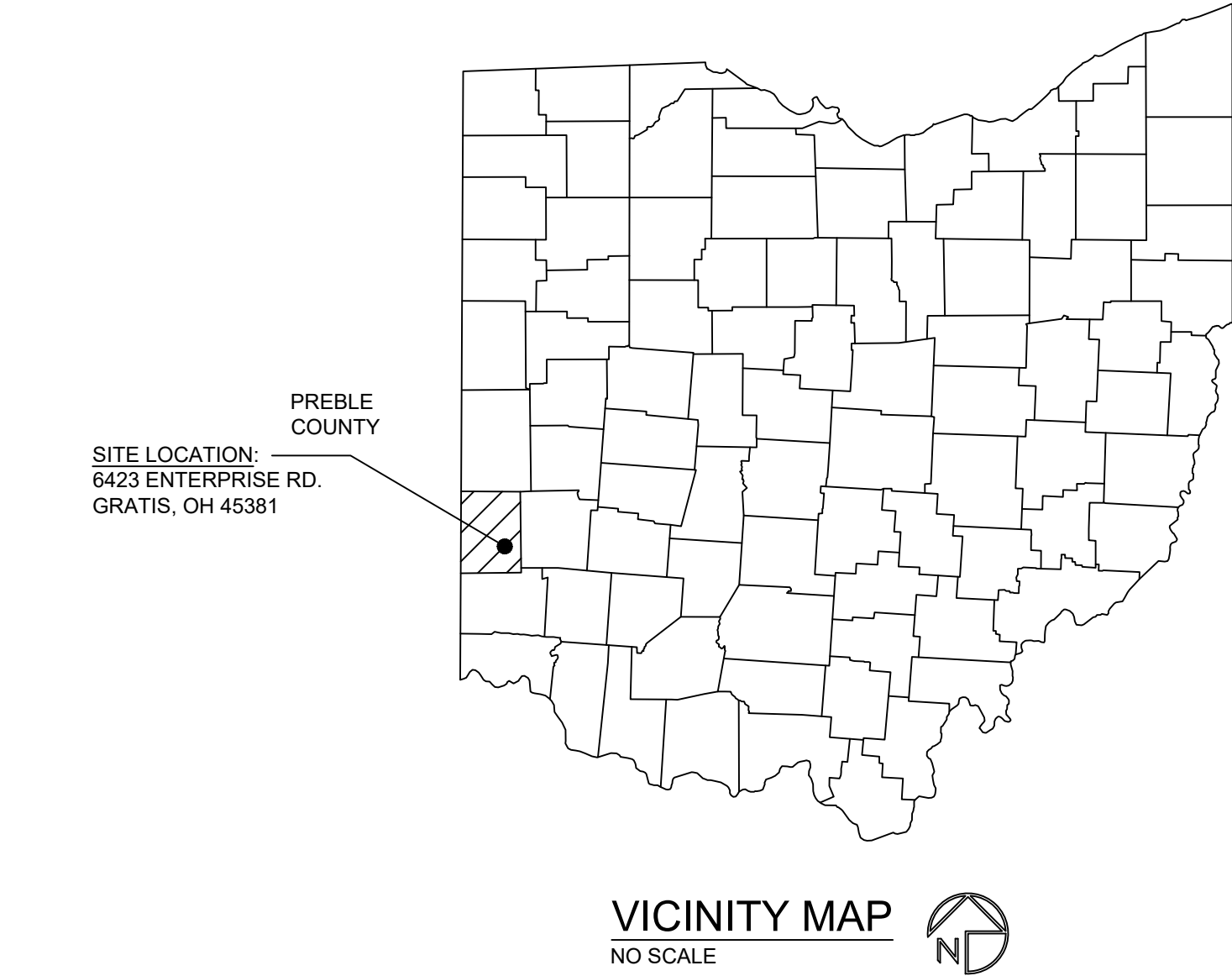
OWNER
VILLAGE OF GRATIS
404 HARRISON ST.
P.O. BOX 574
GRATIS, OHIO 45330
MR. GARY THOMPSON, VILLAGE ADMINISTRATOR
(937) 787-3728

ELECTRIC
AES OHIO ELECTRIC
1398 Sweitzer Street
GREENVILLE, OH 45331
(937) 331-3900

SITE
6423 ENTERPRISE RD.
GRATIS, OHIO 45330
(937)787-3728

GAS
CENTERPOINT ENERGY
6500 CLYO RD.
DAYTON, OHIO 45459
(800)227-1376

ENGINEER
MOTE & ASSOCIATES, INC.
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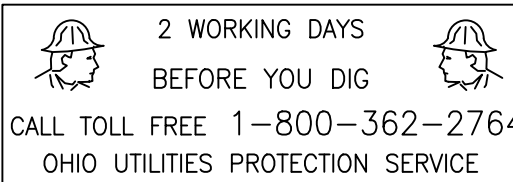


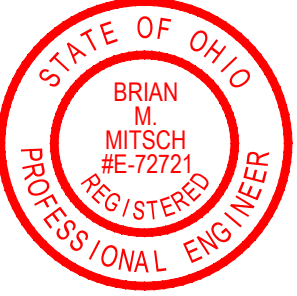
SCOPE OF WORK

THESE PLANS DETAIL RECONSTRUCTION OF THE EXISTING WELL AND ASSOCIATED EQUIPMENT. THE REPLACEMENT WELL WILL BE LOCATED WITHIN APPROX. 10' OF THE CURRENT EXISTING WELL LOCATION. THE PROPOSED WELL WILL BE LOCATED IN THE SAME AQUIFER AS THE EXISTING WELL.

DRAWING INDEX

TITLE SHEET _____ G1-01
GENERAL NOTES/EXISTING WELL SITE _____ G1-02
WELL DETAILS & CONSTRUCTION NOTES _____ G1-03



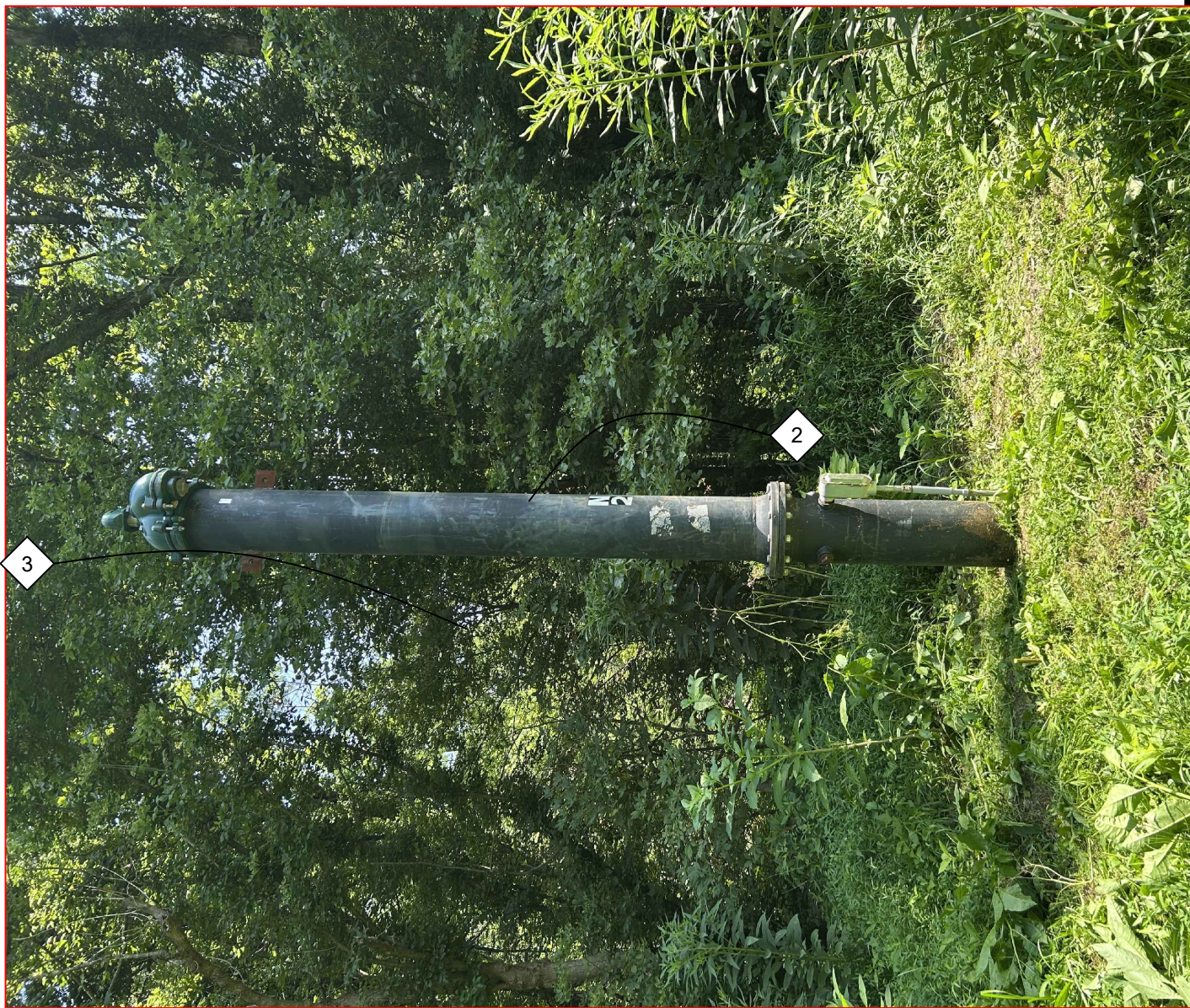
 Engineering, Land Surveying 214 W. Fourth St., Greenville, OH 45331 937.548.7511 www.moteassociates.com			
TITLE SHEET WELL RECONSTRUCTION VILLAGE OF GRATIS			
	REVISIONS: REV 1 - LMM - 11/04/2025		
 8/4/2025			8/14/2025 DATE
PROJ. NO: GRAT960114	DWG. NO: 1D17833	SCALE: AS NOTED	
DRAWN: LMM	CHECKED: BMM	DATE: 8/14/25	SHEET NO: G1-01

GENERAL SITE NOTES:

1. REMOVE ALL TRASH AND DEBRIS AND ALL MATERIALS THAT DID NOT NATURALLY GROW ON THE SITE UNLESS OTHERWISE INDICATED.
2. WHERE UNDERGROUND OBSTRUCTIONS OF ANY NATURE, INCLUDING LARGE ROCKS AND CONCRETE STRUCTURES OR FOUNDATIONS, ARE ENCOUNTERED BENEATH AREAS THAT ARE BEING DEMOLISHED, REMOVE THE OBSTRUCTION IN ITS ENTIRETY AND RESTORE THE EMBANKMENT TO MEET THE SURROUNDING SURFACE.
3. ALL REMOVED MATERIALS SHALL BE LEGALLY DISPOSED OF OFF SITE BY THE CONTRACTOR.
4. BACKFILL ALL EXCAVATIONS RESULTING FROM REMOVAL OF BELOW GRADE MATERIALS TO MATCH EXISTING SOIL CONSTRUCTION.
5. ALL DEMOLITION WORK SHALL BE DONE IN A MANNER TO PREVENT ANY CONTAMINATION TO THE SURROUNDING ENVIRONMENT.
6. ALL DEMOLITION WORK SHALL COMPLY WITH ALL REGULATIONS AS SPECIFIED BY THESE PLANS AND AS SPECIFIED BY THE OHIO EPA, THE VILLAGE OF GRATIS, AND ANY OTHER REGULATING BODY HAVING JURISDICTION.
7. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO THE BIDDING THE PROJECT TO SATISFY THEMSELVES OF ALL EXISTING CONDITIONS, DIFFICULTIES, HAZARDS, AND RISKS THAT EXIST TO COMPLETE THE WORK.
8. NO ADDITIONAL COMPENSATION SHALL BE CONSIDERED DUE TO EXISTING SITE CONDITIONS, DIFFICULTIES, HAZARDS, AND RISKS THAT ARE ENCOUNTERED DURING THE PROCESS OF THE WORK.
9. ALL AGGREGATE FILL SHALL BE PLACED ON UNDISTURBED OR WELL COMPACTED EARTH SUB-GRADE. ALL FILL UNDER CONCRETE SLABS SHALL BE LOOSE FILL AGGREGATE IN 8" LIFTS.
10. EACH RESPECTIVE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL INSPECTION AGENCIES TO MAKE PROPER INSPECTIONS AND SECURE APPROVALS.
11. STORE MATERIALS IN SUCH A MANNER AS NOT TO OVERSTRESS, OVERLOAD, OR OTHERWISE PUT AN UNSAFE LOAD ON ANY STRUCTURE DURING CONSTRUCTION.
12. WHERE A DISCREPANCY IS FOUND BETWEEN EXISTING FIELD CONDITIONS AND/OR BETWEEN CONSTRUCTION DOCUMENTS, NOTIFY ENGINEER FOR CLARIFICATION PRIOR TO BIDDING, FABRICATION, OR INSTALLATION.
13. DO NOT SCALE DRAWINGS TO DETERMINE DIMENSIONS. IF A REQUIRED DIMENSION IS NOT INDICATED, CONTACT THE ENGINEER FOR DETERMINATION.
14. IT IS THE RESPONSIBILITY OF EACH CONTRACTOR TO PROVIDE COMPLETE WORKING SYSTEMS FOR BOTH NEW AND RENOVATED ELEMENTS OF THE PROJECT.
15. IT IS THE RESPONSIBILITY OF ALL CONTRACTORS TO COORDINATE THEIR WORK WITH ALL OTHER TRADES INVOLVED TO PROVIDE A COMPLETE WORKING SYSTEM.
16. ALL CONTRACTORS SHALL PROVIDE NEW, UNDAMAGED MATERIALS UNLESS OTHERWISE SPECIFIED.
17. INSTALL ALL WORK IN ACCORDANCE WITH CURRENT APPLICABLE CODES, PUBLISHED STANDARDS AND ACCEPTABLE CONSTRUCTION STANDARDS. ALL NEW WORK SHALL BE STRAIGHT, SQUARE, PLUMB, AND LEVEL UNLESS OTHERWISE NOTED TO MATCH SURFACES REMAINING IN REMODELED AREAS NOT PLUMB AND LEVEL.
18. THE GENERAL CONTRACTOR SHALL PROVIDE ALL TOP SOIL REMOVAL/REPLACEMENT, EXCAVATION, SUB-GRADE COMPACTION, FILL, AND AGGREGATE BASE NECESSARY TO PREPARE THE BUILDING PAD.
19. TOPSOIL SHALL BE STRIPPED TO ITS FULL DEPTH FROM ALL AREAS TO BE CUT OR FILLED AND IT SHALL BE STOCKPILED IN THE AREA INDICATED OR APPROVED FOR REUSE ON SURFACES TO BE SEEDED TO ACHIEVE FINAL GRADES.
20. EXCESS TOPSOIL SHALL BE HAULED, GRADED, AND SEEDED AT A LOCATION ON SITE TO BE SPECIFIED BY THE OWNER OR, AT THE OWNER'S DISCRETION SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND BE REMOVED FROM THE SITE.
21. WHERE NEW PAVEMENT, SEEDED AREAS, HARD SURFACE, ETC, TERMINATES AT EXISTING PAVEMENT, SEEDED AREAS, HARD SURFACE, ETC, NEW SURFACES SHALL MEET AND BLEND TO EXISTING SURFACES. ALL SEEDED TRANSITION SHALL BE MOWABLE WITH CONSISTENT MOWING HEIGHT TO ELIMINATE SCALPING OR GOUGING.
22. NEW GRADES SHALL BLEND SMOOTHLY INTO EXISTING GRADES.
23. EARTHWORK OPERATIONS SHALL BE CONDUCTED SUCH THAT THERE WILL BE NO POSSIBILITY OF PONDING TO OCCUR ANYWHERE ON SITE.
24. WHERE ANY WORK RELATED TO THE PROJECT WILL BE PERFORMED BY A UTILITY OWNER, THE CONTRACTOR SHALL COORDINATE THE WORK AND THE SCHEDULING OF THE WORK WITH THE ENTITY PERFORMING THE WORK.
25. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND SCHEDULING ALL REQUIRED INSPECTIONS.
26. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL STATE, FEDERAL, AND LOCAL SAFETY, ENVIRONMENTAL, ETC. REQUIREMENTS FOR THE PROTECTION OF ALL PERSONS, PROPERTY, WATERWAYS, ROADWAYS, ETC.
27. PRIOR TO BEGINNING ANY WORK ON SITE, ALL PERMITS REQUIRED FOR SITE WORK SHALL BE OBTAINED BY THE CONTRACTOR FROM REGULATING AUTHORITIES.
28. CONTRACTOR SHALL PAY FOR ALL PERMITS, TAP FEES, LICENSES, AND ANY OTHER COSTS ASSESSED BY GOVERNING AUTHORITIES OR UTILITIES SYSTEMS OWNERS, UNLESS OTHERWISE INDICATED.
29. PROVIDE SIGNAGE, BARRICADES, FENCING, ETC. DURING CONSTRUCTION FOR ALL CLOSED AREAS, DETOURS, AND PROTECTION AREAS. ANY SIDEWALKS OR PARTIAL STREET CLOSURES ASSOCIATED WITH THE PROJECT SHALL BE COORDINATED WITH THE LOCAL JURISDICTION. VEHICULAR TRAFFIC SHALL BE MAINTAINED AT ALL TIMES UNLESS OTHERWISE INDICATED. SUBMIT A TRAFFIC CONTROL AND SAFETY PLAN TO THE LOCAL JURISDICTION. DO NOT BEGIN ANY WORK WITHIN RIGHT-OF-WAY BEFORE RECEIVING WRITTEN APPROVAL OF THIS PLAN.
30. WHERE ANY WORK RELATED TO THE PROJECT WILL BE PERFORMED BY A GOVERNMENTAL AGENCY, THE CONTRACTOR SHALL COORDINATE THE WORK AND THE SCHEDULING OF THE WORK WITH THE ENTITY PERFORMING THE WORK.
31. DO NOT DISTURB ANY PROPERTY LINE IRON PINS, SURVEY MONUMENTS OR ESTABLISHED BENCHMARKS. IF DISTURBED THESE ITEMS SHALL BE RESET BY A PROFESSIONAL LICENSED SURVEYOR AT THE CONTRACTOR'S EXPENSE.
32. NO SITE WORK OR DEMOLITION WORK SHALL BEGIN UNTIL THE OWNER HAS APPROVED THE CONTRACTOR'S SUBMITTAL OF ALL REQUIRED DOCUMENTATION FOR PROJECT SCHEDULE, PLANS, SAFETY PLANS, SEQUENCE OF WORK AND OPERATIONS, PHASING PLAN AND HAS BEEN APPROVED IN WRITING BY THE OWNER AND ENGINEER. ALL DEMOLITION ACTIVITIES SHALL BE PERFORMED AT THE TIMES INDICATED IN THE APPROVED SCHEDULE AND PHASING PLAN.
33. ENSURE THAT CLEAR ACCESS IS MAINTAINED TO ALL EXISTING FIRE HYDRANTS ALONG ALL ADJACENT ACCESS ROUTES.
34. CLEAN ALL DIRT, MUD, AND DEBRIS TRACKED ONTO ADJACENT ROADWAYS IMMEDIATELY.
35. REMOVE ALL TRASH AND DEBRIS FROM THE SITE ON A DAILY BASIS.
36. UNDERGROUND ITEMS EXIST THAT ARE NOT SHOWN. CONTACT ALL UTILITY SYSTEM OWNERS AND THE PUBLIC UTILITIES COMMISSION OF OHIO TO VERIFY LOCATIONS OF UNDERGROUND UTILITIES BEFORE PERFORMING ANY EXCAVATION.
37. PROVIDE 6 FEET TALL CHAIN LINK CONSTRUCTION FENCE AROUND THE WORK AREA. FENCE SHALL HAVE SIGNAGE TO IDENTIFY THE AREA AS A CONSTRUCTION SITE. PROVIDE CHAINS AND PADLOCKS ON ALL PERSONNEL AND ALL VEHICLE ACCESS GATES.
38. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR FULL COMPLIANCE WITH ALL OHIO EPA REQUIREMENTS.
39. RESEED ANY AREAS THAT DO NOT GERMINATE TO 70% COVERAGE, AND WATER AND MAINTAIN GRASS AREAS UNTIL A FULL STAND OF COVER IS ESTABLISHED.
40. SHOULD HAZARDOUS MATERIALS (OTHER THAN MATERIALS IDENTIFIED IN THE PLANS TO BE TESTED) OR HISTORICAL ARTIFACTS BE DISCOVERED, THE CONTRACTOR SHALL IMMEDIATELY HALT WORK AND NOTIFY THE OWNER. THE CONTRACTOR SHALL AWAIT DIRECTION FROM THE OWNER PRIOR TO COMMENCING WORK.
41. ALL WATER PIPE SHALL BE CONSTRUCTED WITH A MINIMUM COVER OF 4.0 FEET ABOVE THE TOP OF PIPE, UNLESS OTHERWISE NOTED. WHERE NECESSARY TO CROSS OTHER UTILITIES OR CULVERTS, AND THE MINIMUM COVER CANNOT BE MAINTAINED, THE WATER PIPE SHALL BE CONSTRUCTED ABOVE THE OTHER UTILITY AT NO ADDITIONAL COST TO OWNER.
42. NO TREES ARE TO BE DISTURBED OR REMOVED UNLESS FIELD ALIGNMENT CHANGES CANNOT PREVENT SUCH DISTURBANCE, OR, IN THE CASE OF RESIDENTIAL AREAS, THE HOMEOWNER GIVES THE CONTRACTOR WRITTEN PERMISSION TO REMOVE THE TREE(S).
43. IF TREE REMOVAL BECOMES NECESSARY, TREES ARE TO BE FELLED IN A DIRECTION THAT MINIMIZES DAMAGE TO TREES WHICH ARE TO REMAIN STANDING. ANY DAMAGED SHRUBBERY OR TREES ARE TO BE REPLACED OR REPAIRED BY AN AUTHORIZED TREE EXPERT AS APPROPRIATE. LIMBS ARE TO RECEIVE COMPENSATORY PRUNING IF ROOT DAMAGE OCCURS. REPAIR TO EXISTING AND/OR REPLACEMENT OF NEW TREES SHALL OCCUR WITHIN SIX (6) MONTHS.
44. WHEN A PROPOSED WATER LINE HAS TO BE INSTALLED WITHIN FIVE (5) FEET OF ANY UTILITY POLE, CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE STRUCTURAL SECURITY, INTEGRITY, EQUILIBRIUM AND SAFETY OF THE POLE BY INSTALLING TEMPORARY WIRE CABLES TO HOLD THE POLE IN PLACE DURING WATER LINE TRENCH OPERATION.
45. THE CONTRACTOR SHALL COORDINATE ALL WORK ACTIVITY WITH THE VILLAGE OF GRATIS.



EXISTING WELL SITE - PHOTO #1



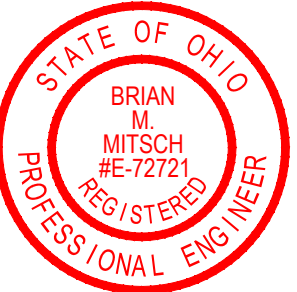
EXISTING WELL SITE - PHOTO #2

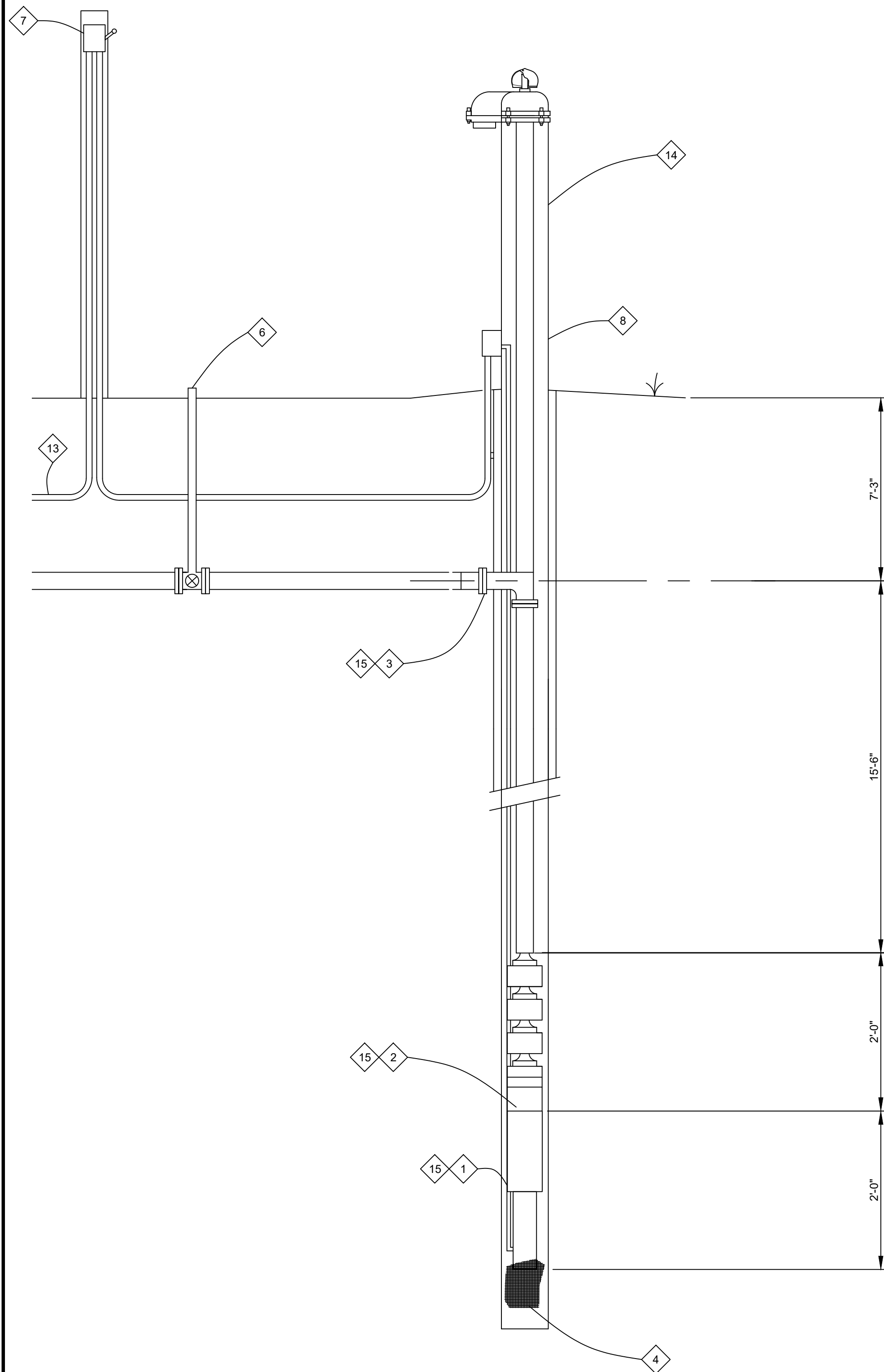
EXISTING WELL SITE KEYNOTES

1. EXISTING PUMP MOTOR SUPPLY ELECTRICAL DISCONNECT
2. ELECTRICAL POWER ENTRY TO PUMP MOTOR
3. EXISTING WELL LOCATION AND EXISTING WELL CASING
4. EXISTING WATER SAMPLING LOCATION

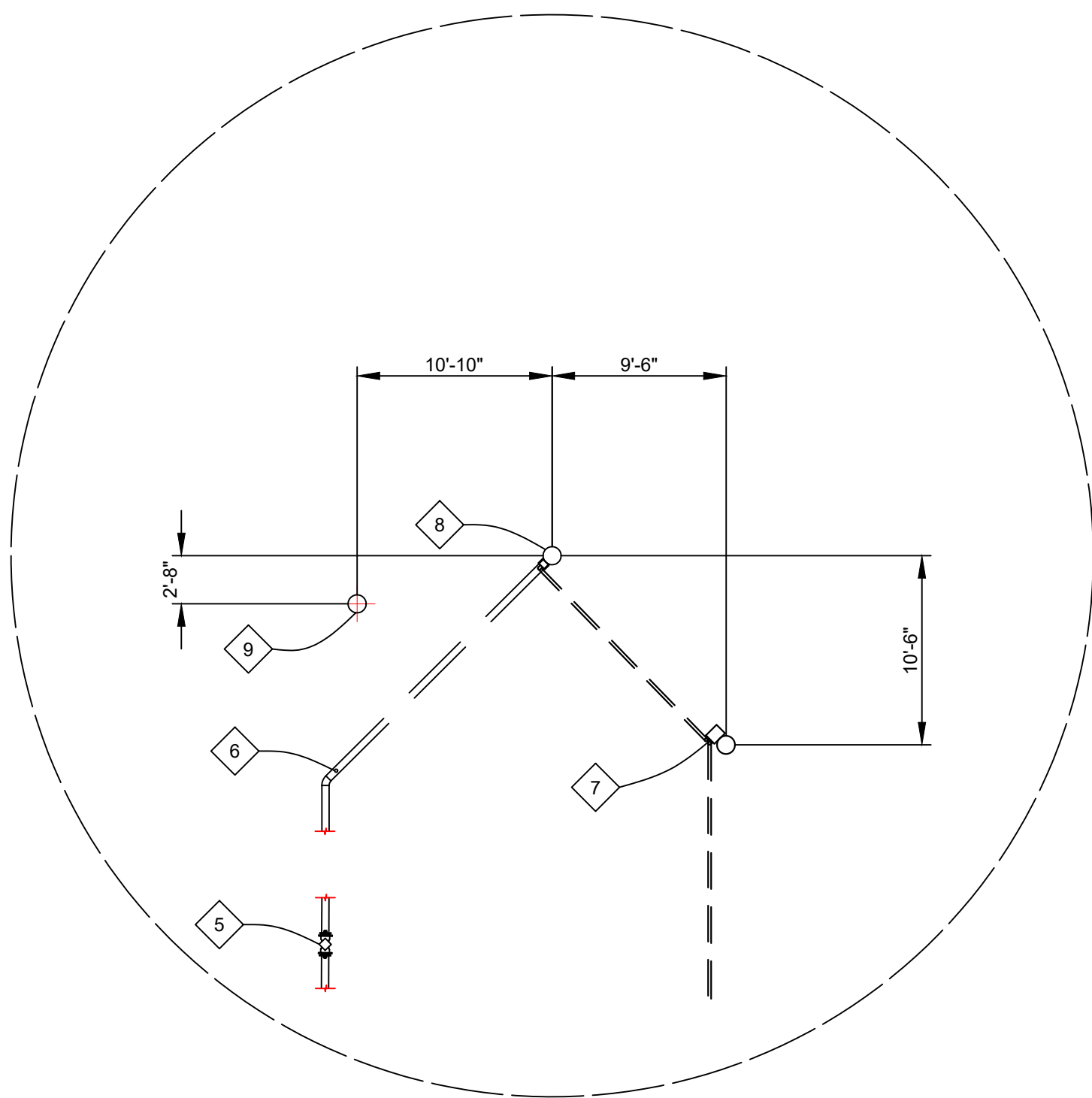


EXISTING WELL SITE - PHOTO #3

 Engineering, Land Surveying 214 W. Fourth St., Greenville, OH 45331 937.548.7511 www.moteassociates.com			
GENERAL NOTES/EXISTING WELL SITE WELL RECONSTRUCTION VILLAGE OF GRATIS			
	REVISIONS: REV 1 - LMM - 11/04/2025		
PROJ. NO: GRAT960114		DWG. NO:	SCALE: AS NOTED
DRAWN: LMM		CHECKED: BMM	DATE: 8/28/25 SHEET NO: G1-02



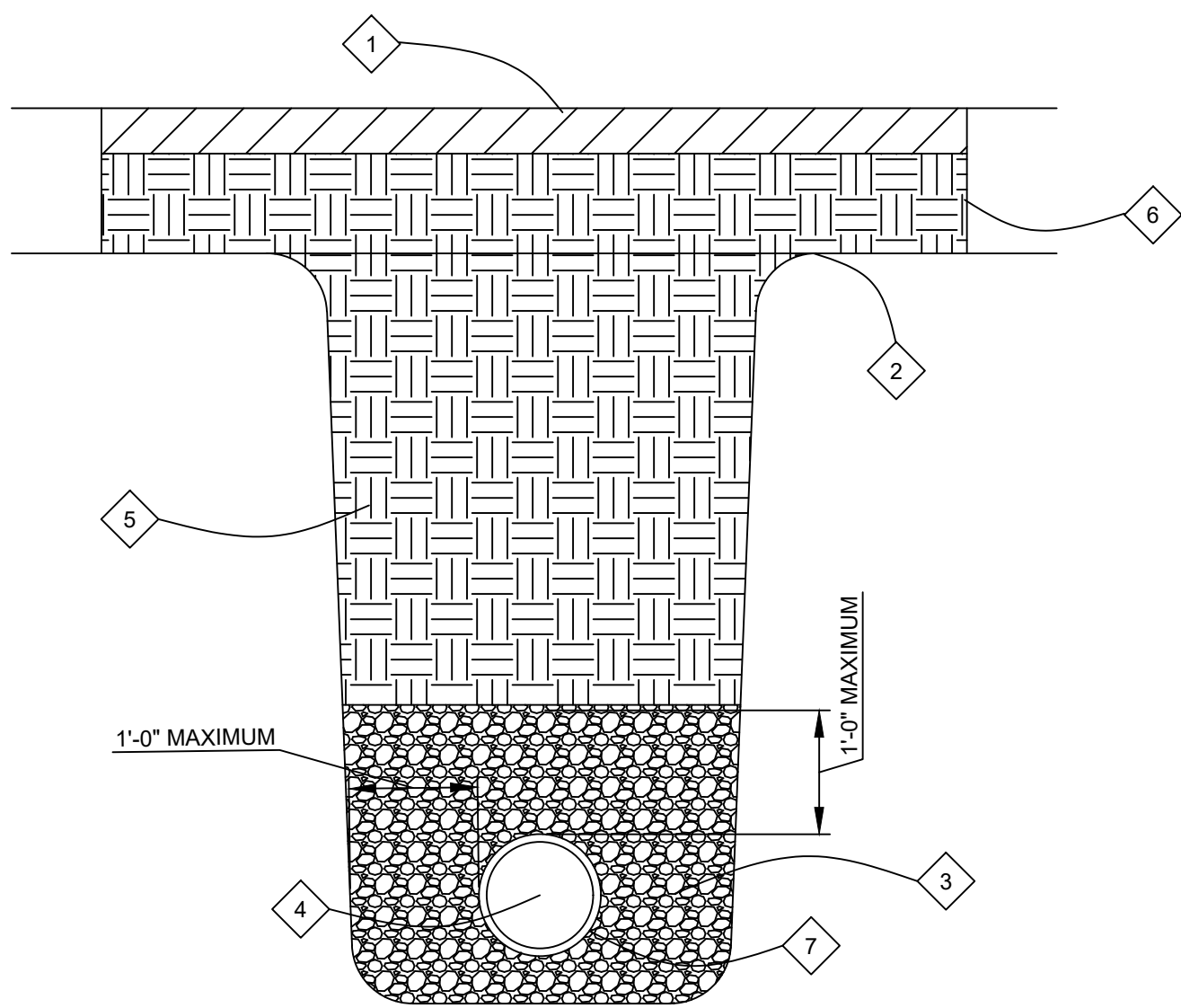
WELL DETAIL
SCALE: $\frac{1}{8}$ " = 1'-0"



WELL SITE DETAILS
SCALE: $\frac{1}{8}$ " = 1'-0"

TRENCH BACKFILL DETAIL:

1. SEEDING AND MULCHING - O.D.O.T 659 AREA OUTSIDE OF PAVEMENT.
2. EXTEND COVER 6" BEYOND WIDTH OF TRENCH, TYP.
3. PIPE SHALL BE BEDDED ON A 6" MINIMUM OF #57 STONE TO A MINIMUM OF 12" ABOVE PIPE.
4. WATER LINE, STORM SEWER OR SANITARY SEWER.
5. COMPACTED SOIL UNLESS WITHIN STREET R/W AND WITHIN PROPOSED DRIVE/PAVEMENT AREAS, COMPACTED #57 STONE.
6. COMPACTED SOIL MINIMUM 6" BED DEPTH.
7. PIPE SHALL BE BELOW THE REQUIRED 32" FROST DEPTH



PIPE BEDDING AND BACKFILL DETAIL
SCALE: $\frac{1}{2}$ " = 1'-0"



SITE LOCATION
NO SCALE

CONSTRUCTION KEYNOTES

1. EXISTING 7.5 H.P., 3 PHASE, 230 VOLTS, 60 HERTZ, SUBMERSIBLE MOTOR
2. EXISTING SUBMERSIBLE WELL PUMP WITH INTEGRAL CHECK VALVE. THE DESIGN OPERATING POINT OF THE PUMP IS 53-83 GPM AT 225.4'-18.06' TDH. THE PUMP INTAKE SHALL BE PLACED ABOVE THE TOP OF THE WELL SCREEN. OVERALL WELL DEPTH IS 31'
3. PROP. 4" PITLESS ADAPTOR DISCHARGE PIPE WITH FLANGED CONNECTION
4. PROP. 10" DIA., TYPE 304 S.S., TELESCOPING WELL SCREEN WITH BOTTOM PLATE OF TYPE 304 S.S. LOCATED AT WELL BOTTOM.
5. EXISTING 4" GATE VALVE
6. EXISTING SAMPLE TAP
7. ELECTRICAL DISCONNECT BOX
8. 10" STEEL WELL CASING TO BE FULLY REPLACED DURING RELOCATION.
9. PROPOSED WELL RELOCATION AREA
10. EXISTING PUMP CONTROL LOCATION
11. DESIGNATED WORK ZONE
12. EXISTING GUARD RAIL, COORDINATE REMOVAL FOR ENTRANCE WITH THE VILLAGE OF GRATIS.
13. POWER SUPPLY FROM PUMP CONTROL TO PUMP DISCONNECT.
14. EXISTING WELL CAP PIPING AND WELL CAP BE REUSED.
15. ALL REMOVAL AND REINSTALLATION OF PUMP, MOTOR, PIT-LESS ADAPTER, CONTROLS, AND OTHER ASSOCIATED EQUIPMENT SHALL BE COMPLETED PER THE MANUFACTURERS REMOVAL AND INSTALLATION REQUIREMENTS.

BASIC RECONSTRUCTION PLAN:

1. TURN OFF THE PUMP AT THE MAIN CONTROL, DISCONNECT THE ELECTRIC POWER FEED TO THE PUMP CONTROL.
2. CLOSE AND LOCKOUT THE DISCHARGE VALVE ON THE WELL PUMP TO ISOLATE THE WELL FROM THE WATER SYSTEM.
3. DISCONNECT AND LOCKOUT THE ELECTRICAL POWER AND ALL OTHER ENERGY SOURCES PER OSHA SAFETY REQUIREMENTS.
4. PULL THE EXISTING PUMP FROM THE WELL.
5. DIGOUT AND PULL THE EXISTING PITLESS ADAPTER.
6. REMOVE THE EXISTING CONTROL SWITCHING FROM THE WELL.
7. PULL EXISTING WELL CASING.
8. LOCATE AND DRILL A NEW WELL APPROXIMATELY 5 TO 10 FEET FROM THE CURRENT WELL LOCATION. NEW WELL TO BE DRILLED TO THE SAME DEPTHS AS THE EXISTING WELL AND TO BE LOCATED IN THE SAME AQUIFER.
9. INSTALL NEW WELL CASING.
10. INSTALL NEW 304 STAINLESS STEEL WELL SCREEN ONTO THE WELL PUMP ASSEMBLY.
11. REFURBISH THE WELL PUMP, MOTOR, AND PITLESS ADAPTER AS REQUIRED.
12. EXTEND AND CONNECT THE WATER WELL PIPING TO THE NEW WELL LOCATION.
13. EXTEND THE ELECTRIC POWER AND CONTROL WIRING TO ALLOW CONNECTION TO THE NEW WELL.
14. REINSTALL THE EXISTING CONTROL SWITCHING.
15. REINSTALL THE PITLESS ADAPTER SYSTEM.
16. REINSTALL THE WELL PUMP.
17. REENERGIZE THE ELECTRICAL POWER TO THE PUMP AND CONTROL SYSTEM.
18. PERFORM WELL PERFORMANCE TESTING PER OEPA REQUIREMENTS.
19. DISINFECT THE PUMP AND PUMPING EQUIPMENT PER EPA AND LOCAL CODE REQUIREMENTS.
20. OPEN THE SUPPLY VALVE TO ALLOW THE WELL PUMP TO BE RETURNED TO SERVICE.

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WELL DETAILS & CONSTRUCTION NOTES
WELL RECONSTRUCTION
VILLAGE OF GRATIS

BRIAN M. MITSCH
REGISTERED PROFESSIONAL ENGINEER

REVISIONS:
REV 1 - LMM - 11/04/2025

8/14/2025
DATE

PROJ. NO: GRAT960114

DWG. NO:

SCALE: AS NOTED

DRAWN: LMM

CHECKED: BMM

DATE: 8/28/25

SHEET NO: G1-03