

ADDENDUM No. 1
September 11, 2015

VILLAGE OF CHESANING

WATER SYSTEM IMPROVEMENTS
4020-15-0031

The following changes, additions, and/or clarifications to the Contract Documents shall be incorporated in said documents and shall be allowed for in the unit price bid by the Contractor such that the unit prices indicated in the Bid Form shall represent the conditions as set forth in the Contract Documents and this addendum. The bidder shall acknowledge the receipt of this addendum on the BID FORM, Section 00 41 00, Page 1, of the Bid Form.

Refer to http://tools.ohm-advisors.com/bidlist/bidlist_project_display.cfm for addendum, bid tab and plan holders list information.

This Addendum contains 3 pages

The following drawings are being reissued:

Sheet 24 – Water Tower Generator Addition (consisting of 1 page)

The following Project Manual Sections are being reissued:

Bid Form (consisting of 8 pages)

Section 01 10 00 – SUMMARY (consisting of 3 pages)

Addendum #1 Total Pages: 15 pages

ADDITIONS AND CHANGES TO THE BIDDING REQUIREMENTS

1. A Prebid meeting will be held on Thursday, September 17, 2015 at 1:30 p.m. Please meet at the Village of Chesaning, 1100 W. Broad Street, Chesaning, Michigan 48616.
2. All questions regarding the project should be received by the Engineer at the close of business on Monday, September 21, 2015.

ADDITIONS AND CHANGES TO THE TECHNICAL SPECIFICATIONS

3. Section 501 – SPECIAL PROVISION FOR HMA, REPAIR

Construction Methods. Revise material to read “HMA, 13A, placed in two equal lifts for a total of 4.5” thick”

4. Section 823 – SPECIAL PROVISION FOR WATER MAIN INSTALLATION

Description. Add the following: “Section applies to water main installations located outside of Well House #7 building envelope.”

5. Section 01 10 00 – SUMMARY. Remove and replace this section in its entirety with the revised section issued as part of this addendum.
6. Section 40 05 19 – DUCTILE IRON PROCESS PIPING

Paragraph 1.8. Qualifications. Add the following: "C. American Iron and Steel (AIS). The AIS provision does not apply to this project."

Paragraph 2.1.C.2. Mechanical Joints. Revise item a. to read "a. AWWA C110, AWWA C111, and AWWA C153."

7. Section 40 05 23 – COMMON WORK RESULTS FOR PROCESS VALVES

Paragraph 1.1.A. Section Includes. Revise to read "Section includes the following process components located within Well House #7:"

Paragraph 1.1.B. Related Requirements. Add the following "6. Section 823 Water Main Installation for valve and valve actuators related to water main improvements."

8. Section 40 33 00 – PROCESS VALVES.

Paragraph 1.1.A Section Includes. Revise item 1 to read "Resilient-seated gate valves in Well House #7."

Paragraph 1.1.B. Related Requirements. Add the following: "2. Special Provision 823 Water Main Installation for the buried gate valves that are part of the distribution system."

Paragraph 2.1.A. Manufacturer List. Add "EJIW" to the list of acceptable manufacturers.

Paragraph 2.1.B. Description. Delete the item "5. Provide gear actuatorsvalves."

Paragraph 2.1.C. Operation. Delete items 1 and 2 and replace with the following:

- "1. Non-rising stem only."
- "2. See Valve Schedule for valve operator."

9. Section 43 25 30 – SUBMERSIBLE VERTICAL TURBINE PUMP.

Paragraph 2.1. DESIGN CRITERIA. Revise item E.3 to read "Pump Discharge Size: 4-inches"

Paragraph 2.4 COLUMN PIPING. Column piping noted within this specification is used interchangeability with the terms riser and drop pipe noted within the Project Manual.

Paragraph 2.4. COLUMN PIPING. Revise item 1 to read "Column piping shall be threaded 4-inch galvanized schedule 40 standard pipe."

ADDITIONS AND CHANGES TO THE DRAWINGS

10. Sheet 6 – Water Main Plan and Profile Sheet

In the "QUANTITIES THIS SHEET", add lump sum items "10 inch diameter Production Well", "5 inch diameter Observation Well #1", and "5 inch diameter Observation Well #2".

11. Sheet 13 – Process – Symbols & Schedules.

On Well House #7 Valve and Actuator Schedule, revise GV-1 well pump isolation gate valve to be "4 inches"

12. Sheet 16 – Well House Process Piping Plan & Sections.

Revise control rod call outs on Section View 4 – Well House Section Looking North and Plan View 1 – Well House – Piping Plan to read “(2) $\frac{3}{4}$ ” Control rods shall be all-threaded and evenly spaced around pipe“

Revise Plan View 1 – Well House – Piping Plan wall casting from “DIP Wall Casting” to “Galvanized Steel Wall Casting”

SECTION 01 10 00 - SUMMARY

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Project information.
2. Work covered by Contract Documents.
3. Work by Owner.
4. Access to site.
5. Work restrictions.
6. Suggested Sequence of Work.
7. Specification and drawing conventions.
8. Miscellaneous provisions.

1.2 PROJECT INFORMATION

A. Project Identification: 2015 Water System Improvements.

1. Project Location: Village of Chesaning, Sections 8, 9, 16, and 17.

B. Owner: Village of Chesaning.

1. Owner's Representative: Troy Feltman, PhD, Village Administrator, 989) 845-3800.

C. Engineer: OHM Advisors, 929 Bridgeview S, Saginaw, MI 48604, (989) 393-4200.

1.3 WORK COVERED BY CONTRACT DOCUMENTS

A. The Work of Project is defined by the Contract Documents and consists of the following:

1. Construction of well pump house, well, and related piping and utilities.

B. Type of Contract.

1. Project will be constructed under a single prime contract.

1.4 WORK BY OWNER

A. General: Cooperate fully with Owner so work may be carried out smoothly, without interfering with or delaying work under this Contract or work by Owner. Coordinate the Work of this Contract with work performed by Owner.

B. Concurrent Work: Owner will perform the following construction operations near Project site. Those operations will be conducted simultaneously with work under this Contract.

1. 2015 Village of Chesaning Paving Projects. Project consists of milling and resurfacing of 0.85 miles and crushing and shaping 1.05 miles roadway. Additional work includes

sidewalk ramp upgrades, curb and gutter installation, and drainage improvements, and approximately 1.05 miles of water main replacement.

1.5 ACCESS TO SITE

- A. General: Contractor shall have full use of Project site for construction operations during construction period. Contractor's use of Project site is limited only by Owner's right to perform work or to retain other contractors on portions of Project.

1.6 WORK RESTRICTIONS

- A. Work Restrictions, General: Comply with restrictions on construction operations.
 - 1. Comply with limitations on use of public streets and with other requirements of authorities having jurisdiction.

1.7 SUGGESTED SEQUENCE OF WORK

- A. In general, it is the intention and understanding that the Contractor shall have control over the sequence and order of execution of the Work to be done under the Contract and over the method(s) accomplishing the results. Engineer may make such reasonable requirements as necessary for the proper and effective protection of work partially or wholly completed, and to these requirements, Contractor shall conform. The following is the suggested work phases. Coordinate construction schedule and operations with Engineer and Owner.
 - 1. Phase 1: Test Well Construction
 - a. Mobilize
 - b. Install test pumping equipment
 - c. Test pump per Section 33 20 00 Wells and submit samples for analysis
 - d. Remove test pumping equipment
 - e. Demobilize
 - 1) Proceed to Phase 2 only once formally approved by Engineer and MDEQ (for water quality and well capacity)
 - 2) Engineer shall determine final pump duty point upon receipt of well capacity results. Confirmation of sizing for well screen, pump, flow meter, and associated piping is contingent upon receipt of test well results. Equipment procurement for these units shall be at Contractor's own risk, should Contractor wish to procure in advance of Engineer's written authorization to proceed.
 - 2. Phase 2: Production and Observation Well and Well House Construction
 - a. Mobilize
 - b. Install equipment related to permanent wells and well house
 - c. Procure and install well screen, pump, flow meter, and associated piping upon Engineer's written authorization to proceed,
 - 1) Task c is contingent upon Engineer receiving, reviewing, and accepting test well results from Phase 1.
 - 2) Task c is not contingent upon completion of Phase 2a or 2b.
 - d. Demobilize

1.8 SPECIFICATION AND DRAWING CONVENTIONS

- A. Specification Content: The Specifications use certain conventions for the style of language and the intended meaning of certain terms, words, and phrases when used in particular situations. These conventions are as follows:
 - 1. Imperative mood and streamlined language are generally used in the Specifications. The words "shall," "shall be," or "shall comply with," depending on the context, are implied where a colon (:) is used within a sentence or phrase.
 - 2. Specification requirements are to be performed by Contractor unless specifically stated otherwise.
- B. Division 01 General Requirements: Requirements of Sections in Division 01 apply to the Work of all Sections in the Specifications.
- C. Drawing Coordination: Requirements for materials and products identified on Drawings are described in detail in the Specifications. One or more of the following are used on Drawings to identify materials and products:
 - 1. Terminology: Materials and products are identified by the typical generic terms used in the individual Specifications Sections.
 - 2. Abbreviations: Materials and products are identified by abbreviations and scheduled on Drawings.
 - 3. Keynoting: Materials and products are identified by reference keynotes referencing Specification Section numbers found in this Project Manual.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 01 10 00

BID FORM

Village of Chesaning - 2015 Water System Improvements

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ARTICLE 1 – BID RECIPIENT

1.01 This Bid is submitted to:

Village of Chesaning, 1100 W. Broad Street, Chesaning, MI 48616

1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2 – BIDDER’S ACKNOWLEDGEMENTS

2.01 Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for 90 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

ARTICLE 3 – BIDDER’S REPRESENTATIONS

3.01 In submitting this Bid, Bidder represents that:

A. Bidder has examined and carefully studied the Bidding Documents, and any data and reference items identified in the Bidding Documents, and hereby acknowledges receipt of the following Addenda:

<u>Addendum No.</u>	<u>Addendum, Date</u>
_____	_____
_____	_____
_____	_____
_____	_____

- B. Bidder has visited the Site, conducted a thorough, alert visual examination of the Site and adjacent areas, and become familiar with and satisfied itself as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
- C. Bidder is familiar with and has satisfied itself as to all Laws and Regulations that may affect cost, progress, and performance of the Work.
- D. Bidder has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or adjacent to the Site and all drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings, and (2) reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings.
- E. Bidder has considered the information known to Bidder itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and any Site-related

reports and drawings identified in the Bidding Documents, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder; and (3) Bidder's safety precautions and programs.

- F. Bidder agrees, based on the information and observations referred to in the preceding paragraph, that no further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price bid and within the times required, and in accordance with the other terms and conditions of the Bidding Documents.
- G. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
- H. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and confirms that the written resolution thereof by Engineer is acceptable to Bidder.
- I. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance and furnishing of the Work.
- J. The submission of this Bid constitutes an incontrovertible representation by Bidder that Bidder has complied with every requirement of this Article, and that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.

ARTICLE 4 – BIDDER'S CERTIFICATION

4.01 Bidder certifies that:

- A. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation;
- B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;
- C. Bidder has not solicited or induced any individual or entity to refrain from bidding; and
- D. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 4.01.D:
 - 1. "corrupt practice" means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process;
 - 2. "fraudulent practice" means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;
 - 3. "collusive practice" means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels; and

4. "coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

ARTICLE 5 – BASIS OF BID

5.01 Bidder will complete the Work in accordance with the Contract Documents for the following price(s):

ITEM CODE	ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
1500001	1	Mobilization, Max. 5%	1.00	LS	\$	\$
2017012	2	Clearing, Modified	0.25	Acre	\$	\$
2047011	3	Pavt, Rem, Modified	27.00	Syd	\$	\$
2050010	4	Embankment, CIP	100.00	Cyd	\$	\$
2050016	5	Excavation, Earth	100.00	Cyd	\$	\$
2080036	6	Erosion Control, Silt Fence	250.00	Ft	\$	\$
3070028	7	Approach, CI II, 6 inch	780.00	Syd	\$	\$
4027001	8	Sewer, CI A, 4 inch, Tr Det A	65.00	Ft	\$	\$
4037050	9	Dry Well	1.00	Ea	\$	\$
5017011	10	HMA, Repair	50.00	Syd	\$	\$
8037010	11	Sidewalk, Conc, 4 inch, Modified	250.00	Sft	\$	\$
8120170	12	Minor Traf Devices	1.00	LS	\$	\$
8120370	13	Traffic Regulator Control	1.00	LS	\$	\$
8160100	14	Slope Restoration, Type A	6516.00	Syd	\$	\$
8230054	15	Gate Valve and Box, 12 inch	12.00	Ea	\$	\$
8237001	16	Bore and Jack Water Main in 20" Steel Casing	145.00	Ft	\$	\$
8237001	17	Directional Drill Water Main	415.00	Ft	\$	\$
8237001	18	Water Main, _____, 12 inch, Tr Det F	5554.00	Ft	\$	\$

8237001	19	Water Main, _____, 12 inch, Tr Det G	211.00	Ft	\$	\$
8237050	20	Connect to Existing Water Main	6.00	Ea	\$	\$
8237050	21	Fire Hydrant and Valve Assembly	9.00	Ea	\$	\$
8237051	22	10 inch diameter Production Well	1.00	LS	\$	\$
		Drill 14 inch bore hole to a depth of approximately 100 feet.	100.00	Ft	\$	-----
		Furnish, install, and cement 10 inch steel casing to a depth of approximately 100 feet.	100.00	Ft	\$	-----
		Drill a 10 inch bore hole to a depth of approximately 350 feet.	250.00	Ft	\$	-----
		Well Development cost per hour	10.00	Hr	\$	-----
		Furnish, install, and remove production well test pumping equipment.	1.00	LS	\$	-----
		Test pump operation	29.00	Hr	\$	-----
		Plumbness and alignment testing	1.00	LS	\$	-----
		Site Restoration and clean up	1.00	LS	\$	-----
8237051	23	5 inch diameter Observation Well #1	1.00	LS	\$	\$
		Drill 8-1/2 inch bore hole to a depth of approximately 100 feet.	100.00	Ft	\$	-----
		Furnish, install, and cement 5 inch PVC casing to a depth of approximately 100 feet.	100.00	Ft	\$	-----

		Drill 4-7/8 inch bore hole to a depth of approximately 350 feet.	250.00	Ft	\$	-----
		Well Development for 5 inch PVC observation well	1	LS	\$	-----
		Furnish, install, operate, and remove test pumping equipment for one 5 inch observation well	1	LS	\$	-----
8237051	24	5 inch diameter Observation Well #2	1.00	LS	\$	\$
		Drill 8-1/2 inch bore hole to a depth of approximately 100 feet.	100.00	Ft	\$	-----
		Drill 4-7/8 inch bore hole to a depth of approximately 350 feet.	250.00	Ft	\$	-----
		Well Development for 5 inch PVC observation well	1	LS	\$	-----
		Furnish, install, operate, and remove test pumping equipment for one 5 inch observation well	1	LS	\$	-----
8237051	25	Testing and Chlorination of Water Main	3.00	LS	\$	\$
8237051	26	Well House #7	1.00	LS	\$	\$

Bidder acknowledges that (1) each Bid Unit Price includes an amount considered by Bidder to be adequate to cover Contractor's overhead and profit for each separately identified item, and (2) estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all unit price Bid items will be based on actual quantities, determined as provided in the Contract Documents.

ARTICLE 6 – TIME OF COMPLETION

- 6.01 Bidder agrees that the Work will be substantially complete and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions on or before the dates or within the number of calendar days indicated in the Agreement.
- 6.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

ARTICLE 7 – ATTACHMENTS TO THIS BID

7.01 The following documents are submitted with and made a condition of this Bid:

- A. Required Bid security;
- B. List of Proposed Subcontractors;
- C. List of Proposed Suppliers;
- D. List of Project References;
- E. Evidence of authority to do business in the state of the Project; or a written covenant to obtain such license within the time for acceptance of Bids;
- F. Contractor’s License No.: [REDACTED] **[or]** Evidence of Bidder’s ability to obtain a State Contractor’s License and a covenant by Bidder to obtain said license within the time for acceptance of Bids;
- G. Required Bidder Qualification Statement with supporting data; and
- H. ***If Bid amount exceeds \$10,000, signed Compliance Statement (RD 400-6). Refer to specific equal opportunity requirements set forth in the Supplemental General Conditions;***
- I. ***If Bid amount exceeds \$25,000, signed Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion – Lower Tier Covered Transactions (AD-1048);***
- J. ***If Bid amount exceeds \$100,000, signed RD Instructions 1940-Q, Exhibit A-1, Certification for Contracts, Grants and Loans.***

ARTICLE 8 – DEFINED TERMS

8.01 The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

ARTICLE 9 – BID SUBMITTAL

BIDDER: *[Indicate correct name of bidding entity]*

By:

[Signature]

[Printed name]

(If Bidder is a corporation, a limited liability company, a partnership, or a joint venture, attach evidence of authority to sign.)

Attest:

[Signature]

[Printed name]

Title:

Submittal Date:

Address for giving notices:

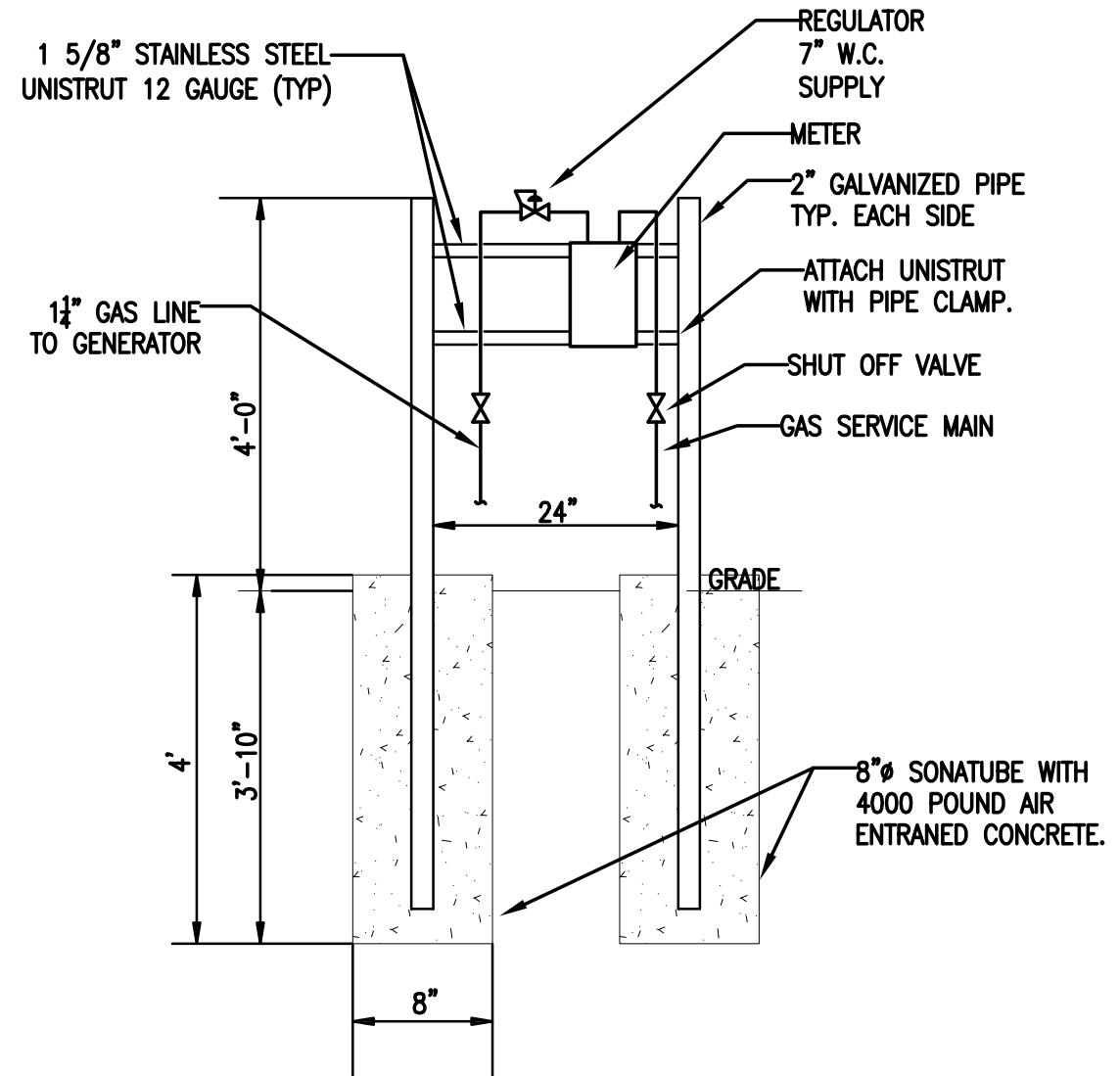
Telephone Number: _____

Fax Number: _____

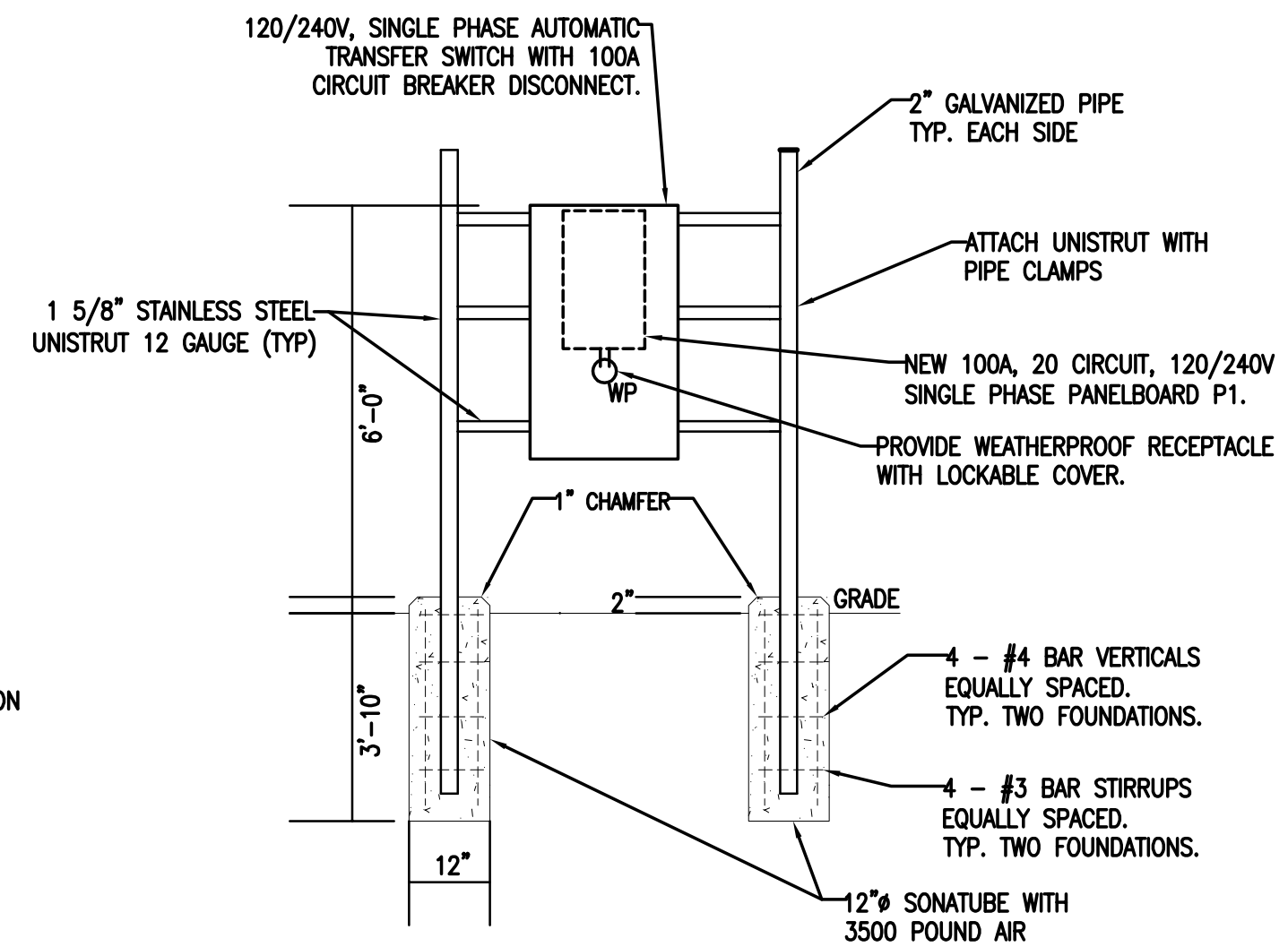
Contact Name and e-mail address: _____

Bidder's License No.: _____
(where applicable)

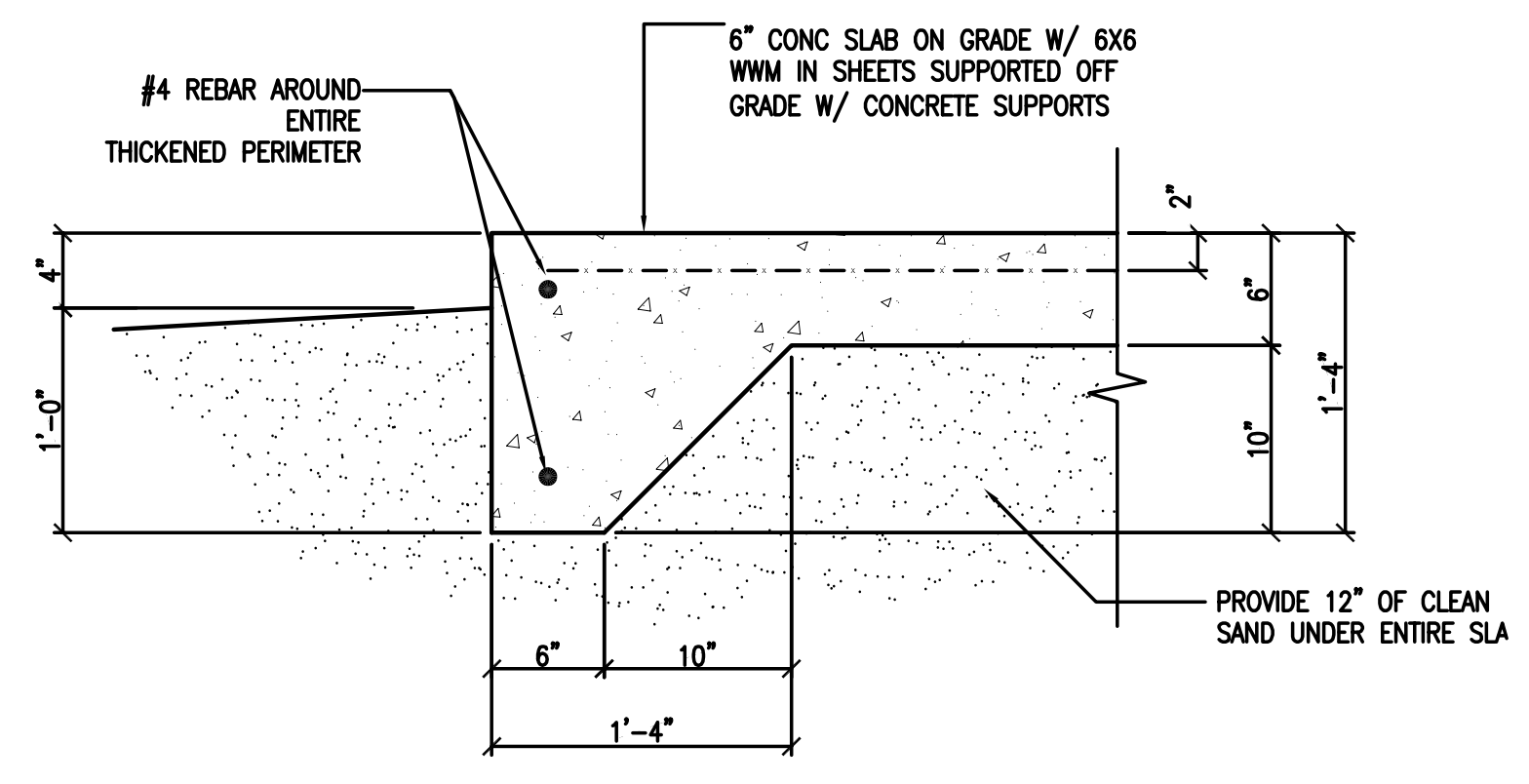
NOTE TO USER: Use in those states or other jurisdictions where applicable or required.



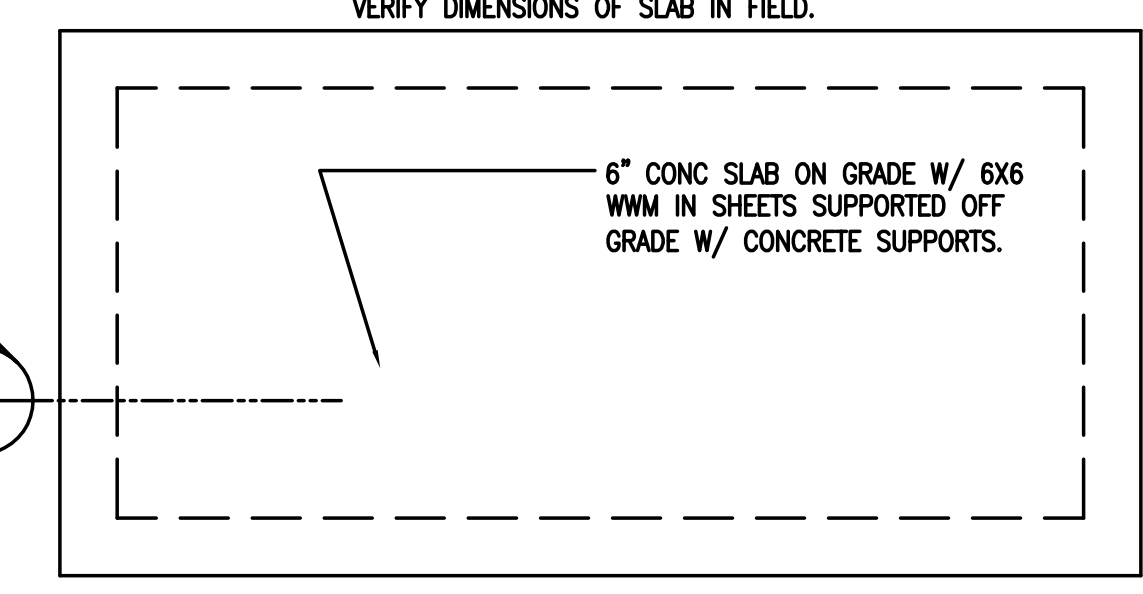
2 GAS SERVICE RACK DETAIL
 NOT TO SCALE



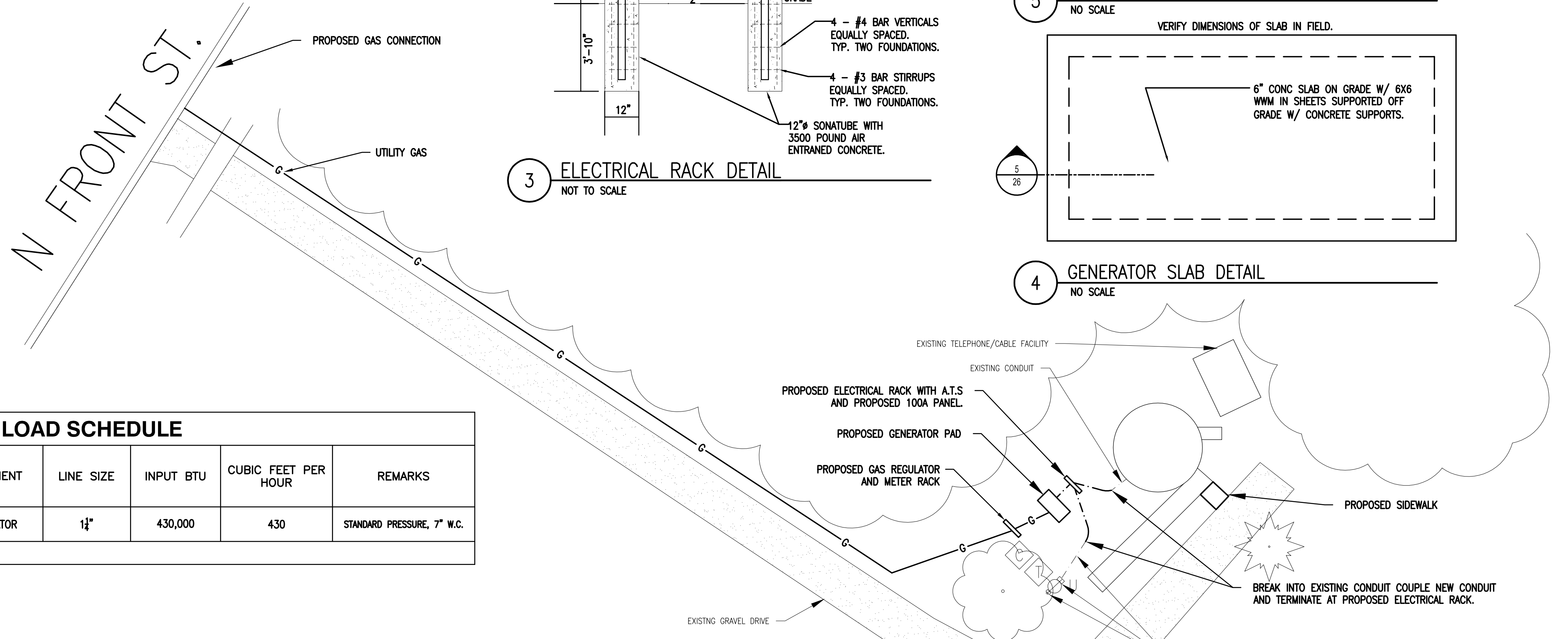
3 ELECTRICAL RACK DETAIL
 NOT TO SCALE



5 GENERATOR SLAB THICKENED EDGE DETAIL
 NO SCALE



4 GENERATOR SLAB DETAIL
 NO SCALE



NATURAL GAS LOAD SCHEDULE

DRAWING TAG	EQUIPMENT	LINE SIZE	INPUT BTU	CUBIC FEET PER HOUR	REMARKS
GENERATOR	GENERATOR	1 1/4"	430,000	430	STANDARD PRESSURE, 7" W.C.

ENGINE GENERATOR

MANUFACTURER	MODEL	RATING	FUEL	VOLTAGE	PHASE
GENERAC	QT025	25 KW	NAT. GAS	240V/120	1

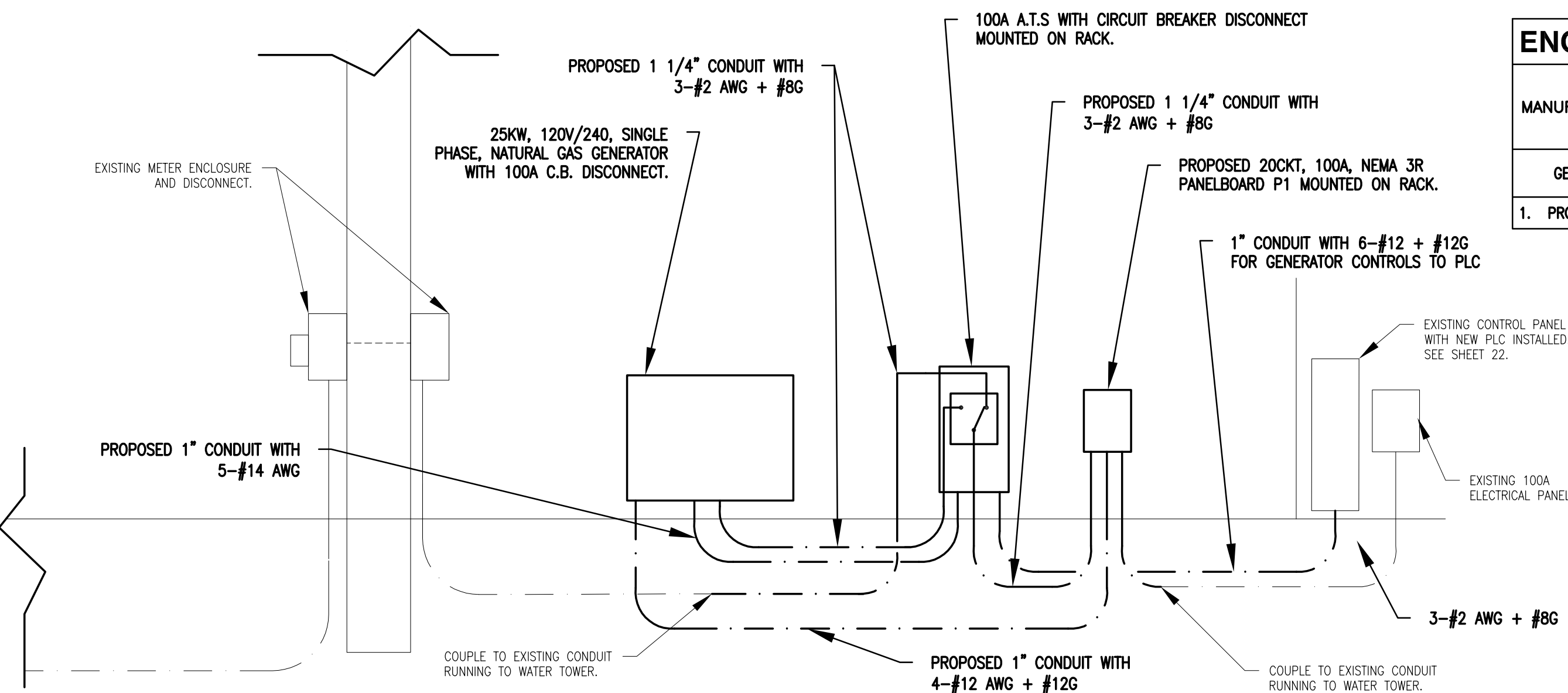
1. PROVIDE WEATHER PROOF ENCLOSURE AND RTST100A3 AUTOMATIC TRANSFER SWITCH

PANEL P1

DESCRIPTION: PANEL SURFACE MOUNT, 240/120V, 1Φ, 3W, 100A, MLO, 20 CIRCUIT NEMA 3R.

IDENTIFICATION	KVA LOAD		WIRE	POLE	AMP	CIRCUIT	CIRCUIT	AMP	POLE	WIRE	KVA LOAD		IDENTIFICATION
	A	B									B	A	
EXISTING WATER TOWER PANEL	0.00		#2	2	100	1	2	20	1	#12	0.00		GEN. BATTERY CHARGER
SPARE						3	4	20	1	#12	0.00		GEN. BLOCK HEATER
SPARE						5	6	20	1	#12			RECEPTS-BELOW PANEL
SPARE						7	8	20	1				SPARE
SPARE						9	10	20	1				SPARE
						11	12						
						13	14						
						15	16						
						17	18						
						19	20						
CONNECTED LOAD	0.00	0.00									0.00	0.00	CONNECTED LOAD

WATER TOWER ELECTRICAL SITE PLAN
 1" = 20'



1 WATER TOWER ELECTRICAL RISER DIAGRAM
 NOT TO SCALE

DRAWING PATH: P:\4000_41004020140031_Chesaning_2015_Street_Design\MUNIDesign\Water Tower\ELECTRICAL PLAN.dwg Sep 10, 2015 - 11:11am

REVISIONS:

SEAL

VILLAGE OF CHESANING
 2015 WATER SYSTEM IMPROVEMENT PROJECT
 WATER TOWER
 WATER TOWER GENERATOR ADDITION