

ADDENDUM NO. 2
SEWER SYSTEM IMPROVEMENTS
CONTRACT 18-03
MYRENE DRIVE SEWAGE PUMPING STATION
HENDERSON WATER UTILITY
HENDERSON, KENTUCKY
WAUFORD PROJECT NO. 2016

Date of Addendum: Friday, January 25, 2019
Bid Opening: Wednesday, February 6, 2019, 1:30 P.M. Local Time

1. The following Contractors are pre-qualified to submit bids for Contract 18-03 – Myrene Drive Sewage Pumping Station:

Blankenberger Brothers, Inc.
11700 Water Tank Road
Cynthiana, IN 47612
Phone: 812-845-2717
Fax: 812-845-2727

Hazex Construction Co.
1890 Madison Street
Henderson, KY
Phone: 270-826-5642
Fax: 270-826-5661

Cleary Construction, Inc.
2006 Edmonton Road
Tompkinsville, KY 42167
Phone: 270-487-1784
Fax: 270-487-8029

M. Bowling, Inc.
503B 5th Street
Henderson, KY 42420
Phone: 270-826-2803
Fax: 270-826-8261

Deig Bros. Lumber & Construction Co., Inc.
2804 A Street
Evansville, IN 47712
Phone: 812-423-4201
Fax: 812-421-5058

2. Pre-Bid Conference Attendance Sheet:

See the attached attendance sheet from the Pre-Bid Conference.

3. Attached is the Question and Answer document regarding questions submitted at the Pre-Bid Conference.
4. Detailed Specifications, Section 4. Force Main and Appurtenances by Open-Cut Methods, Paragraph 3. Bypass Pumping, Page DS 4-1:

Add the following at the end of the first paragraph:

"Redundant pumps shall be provided for bypass pumping. Backup pumps shall be stored at a location where they can be moved to the Myrene Drive Sewage Pumping Station within 30 minutes notice."

5. Detailed Specifications, Section 7A. Wet-Pit Submersible Pump and Accessories, Paragraph 3. Performance Requirements – Myrene Drive Sewage Pumping Station Pumps, Page DS 7A-2:

Modify the paragraph as follows:

- Minimum Shutoff Head : **170 Feet**

6. Detailed Specifications, Section 7A. Wet-Pit Submersible Pump and Accessories, Paragraph 7.a. General, Page DS 7A-7:

Replace the paragraph as follows:

"The pump vendor shall supply a local control panel for the Myrene Drive Sewage Pumping Station. The local control panel shall have HOA switches, elapsed time meters, and indicator lights for each piece of equipment operated. Ultrasonic level transducers shall be supplied and installed inside the panel where applicable. The local control panel shall be provisioned to monitor and control discrete inputs, relay outputs, and analog 4-20 mA inputs and outputs as shown on the I/O list."

7. Plans, Sheet 2:

Modify the plans as shown on the attached 24" x 36" sheet.

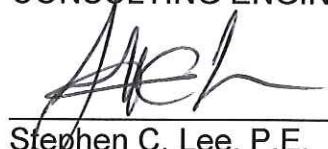
8. Plans, Sheet 3:

Modify the plans as shown on the attached 24" x 36" sheet.

9. Plans, Sheet E1:

Modify the plans as shown on the attached 24" x 36" sheet.

J. R. WAUFORD & COMPANY,
CONSULTING ENGINEERS, INC.



Stephen C. Lee, P.E.
Kentucky License No. 27833

Sign in Sheet – Pre-Bid Conference

SEWER SYSTEM IMPROVEMENTS
CONTRACT NO. 18-03
MYRENE DRIVE SEWAGE PUMPING STATION
HENDERSON WATER UTILITY
HENDERSON, KENTUCKY
WAUFORD PROJECT NO. 2016

JANUARY 23, 2019, 10:00 A.M.

Name	Organization	Email or Phone
DANIEL TRIEBBLE	WAUFORD	daniel@jrwauford.com
DALE COOTS	CLEARY	dalecoots@clearyconst.com
BRAD Coney	KM Specialty Pump	bconey@kmspecialty.com
Jim Buckman	Hazex Construction	James.Buckman@hazex.com
Mickie Evans	Hazex Construction	mickie.evans@hazex.com
SAM TIMMONS	TIMMONS ELECTRIC CO INC	tec1.sam@owens.twbc.com
TOM WILLIAMS	HKU	
Stephen Lee	WAUFORD	stephenL@jrwauford.com
Mike Youree	US Pipe / US Pipe Fabrication	myouree@uspipe.com
Matt Ehrlich	Hazex Construction	matt@hazex.com
Spencer McDowell	Deig Bros.	spencer@deigbros.com
Alex Pepper	Deig Bros.	alex@deigbros.com
Jason Fox	Blankenberger Brothers, Inc.	Jason.F@bbidigs.com

Sign in Sheet – Pre-Bid Conference

SEWER SYSTEM IMPROVEMENTS
CONTRACT NO. 18-03
MYRENE DRIVE SEWAGE PUMPING STATION
HENDERSON WATER UTILITY
HENDERSON, KENTUCKY
WAUFORD PROJECT NO. 2016

JANUARY 23, 2019, 10:00 A.M.

Name	Organization	Email or Phone
Chad Lacer	LIUNA	Chad@laborers661.org
Jeff Ervin	M Bowling INC.	Jeff@MBowlingINC.com
Ken Ferry	HWU	Ferryk@hkywater.org
L.V. Dugger	Galloway Electric	Ldugger@GallowayElectric.com
Brandon Bowling	M. Bowling INC	brandon@mbowlinginc.com Cell 615-426-8301
Jared Secordine	Wauford	jareds@jwauford.com
Kevin Roberts	HWU	ROBERTSK@HXYWATER.ORG
BART BOLES	HWU	BOLESB@HXYWATER.ORG
STEVE BEASLEY	M. B. I.	STEVE@MBOWLINGINC.COM

PRE-BID QUESTIONS AND CLARIFICATIONS
CONTRACT 18-03 – MYRENE DRIVE SEWAGE PUMPING STATION
HENDERSON WATER UTILITY
HENDERSON, KENTUCKY

Bid Date: Wednesday, February 6, 2019
Time: 1:30 PM Central Time

Questions/Answers and Clarifications:

1. **Clarification – The bid date is Wednesday, February 6, 2019 at 1:30 p.m. Central Time.**
2. **Clarification – Liquidated damages for this project will be \$1,000 per calendar day. The time of completion for this contract is two hundred ten (210) calendar days.**
3. **Clarification – Coordination of Work – The coordination of work for this project is of the utmost importance because of the site restrictions and owner access to adjacent properties near the Myrene Drive Sewage Pumping Station. Sanitary sewer service must remain active to both properties while the work is being completed. A detailed order of work shall be submitted and approved before construction shall commence. The Contractor's attention is called to Section 1, Paragraph 2. Execution and Coordination of the Work of the Project Manual.**
4. **Clarification – A City of Henderson business license is required. See Section 1, Paragraph 14. Permits, Codes, Agreements, and/or Contracts with Private Utilities and Local Governments of the Project Manual.**
5. **Clarification – No night, weekend, or holiday work will be permitted without permission. See Section 1, Paragraph 17. Work Hours of the Project Manual.**
6. **Clarification – Contractors shall confirm receipt of Addendum #1 in the Bid Form. Addendum #1 was incorporated into the contract documents before distribution to plan holders.**
7. **When is the last day for questions?**
The Engineer will attempt to answer questions submitted before Friday, February 1, 2019 at 5:00 p.m. Central Time. Questions may be emailed to J. R. Wauford & Company at stephenl@jrwauford.com.
8. **How can bypass pumping be monitored?**
Bypass pumping is the Contractor's responsibility throughout construction. The Contractor may utilize electric or diesel-powered pumps depending on the Contractor's preference and

envisioned order of work. The Contractor shall monitor bypass pumping at all times via SCADA for electric pumps or by providing an employee to remain onsite 24/7 for diesel pumps. Where SCADA system monitoring is utilized by the Contractor, the system shall notify the Owner and Contractor in case of pump failure. The Contractor's attention is called to Section 4, Paragraph 3. Bypass Pumping of the Project Manual.

9. Are backup bypass pumps required?

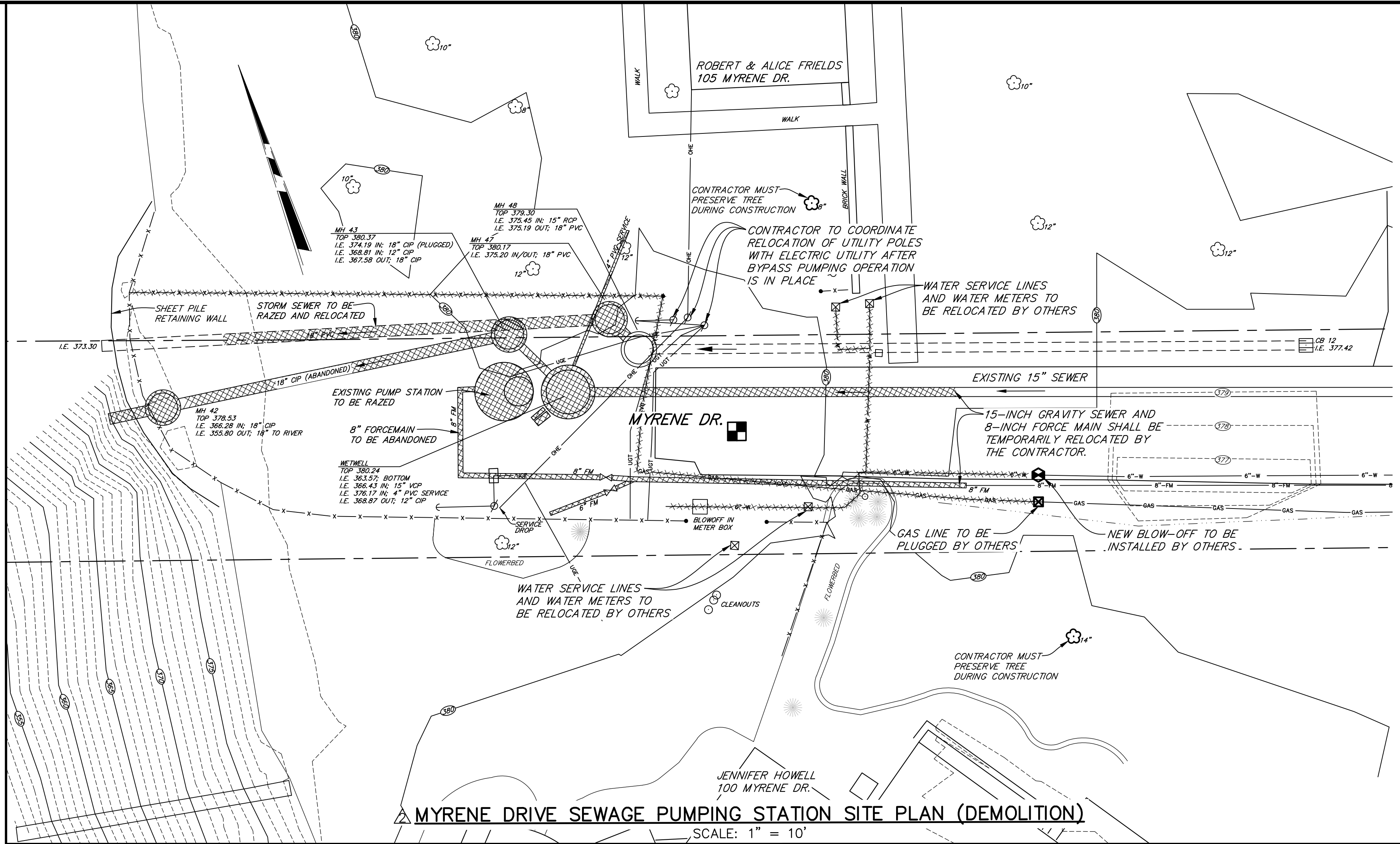
Yes. A second standby bypass pump shall be provided by the Contractor. The pump shall be stored at a location where it can be moved on-site of the Myrene Drive Sewage Pumping Station within 30 minutes notice.

10. Are there noise requirements for bypass pumps?

Yes. Diesel bypass pumps shall be sound attenuated pumps. The Contractor's attention is called to Section 4, Paragraph 3. Bypass Pumping of the Project Manual.

11. Is there a requirement for "Buy American" steel?

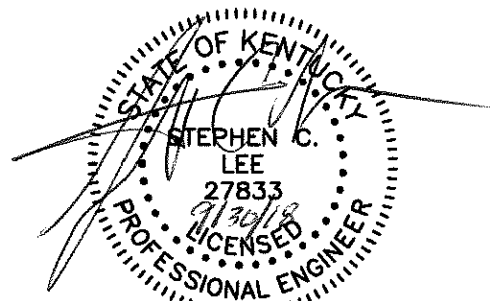
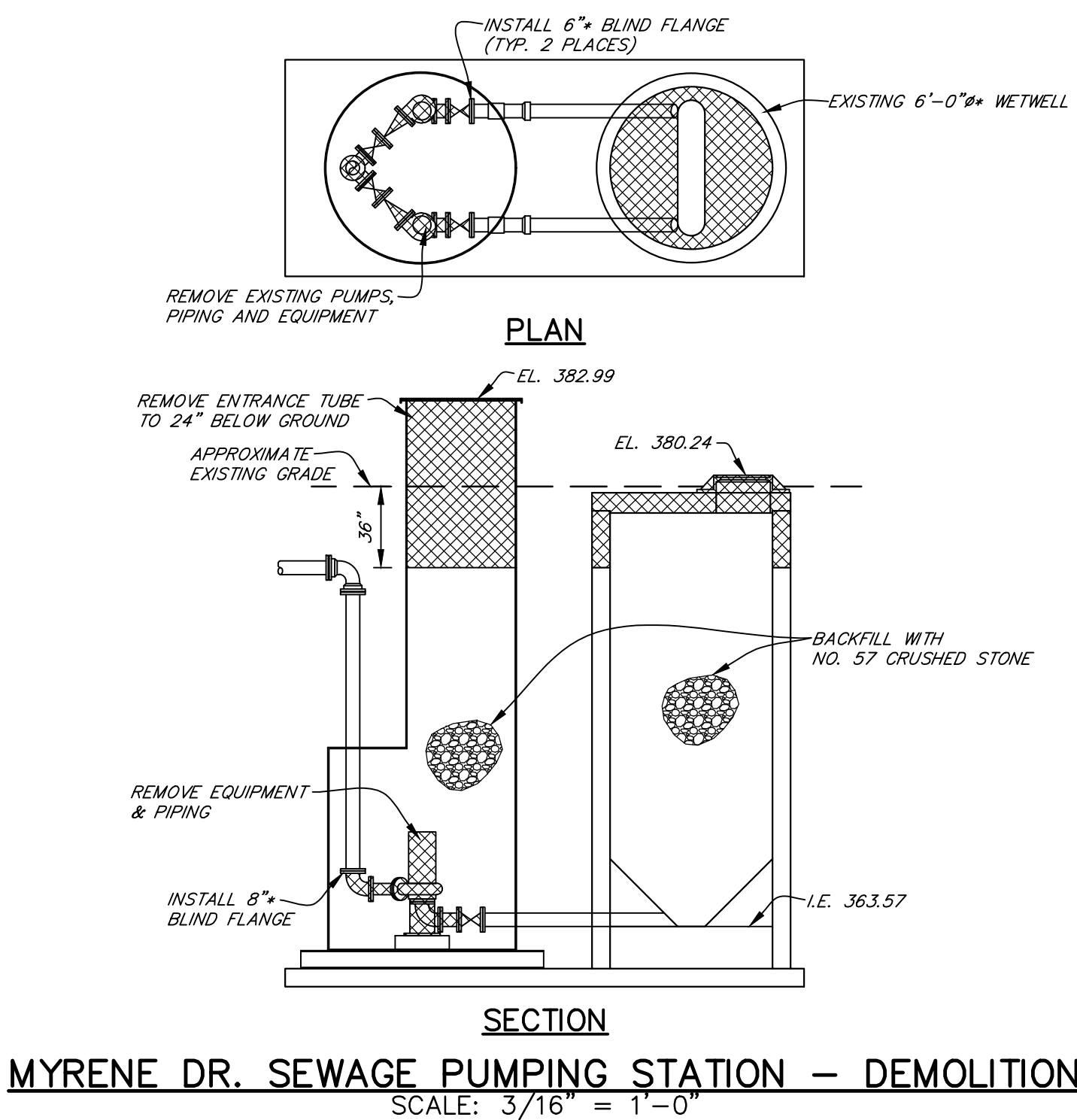
There are no federal funds or grant related "buy American" requirements for iron and steel products on this project; however, there are some specific job-related and HWU-dictated requirements for domestic products. For example, the Contractor's attention is called to Section 2, Paragraph 11. Reinforcing Steel of the Project Manual.



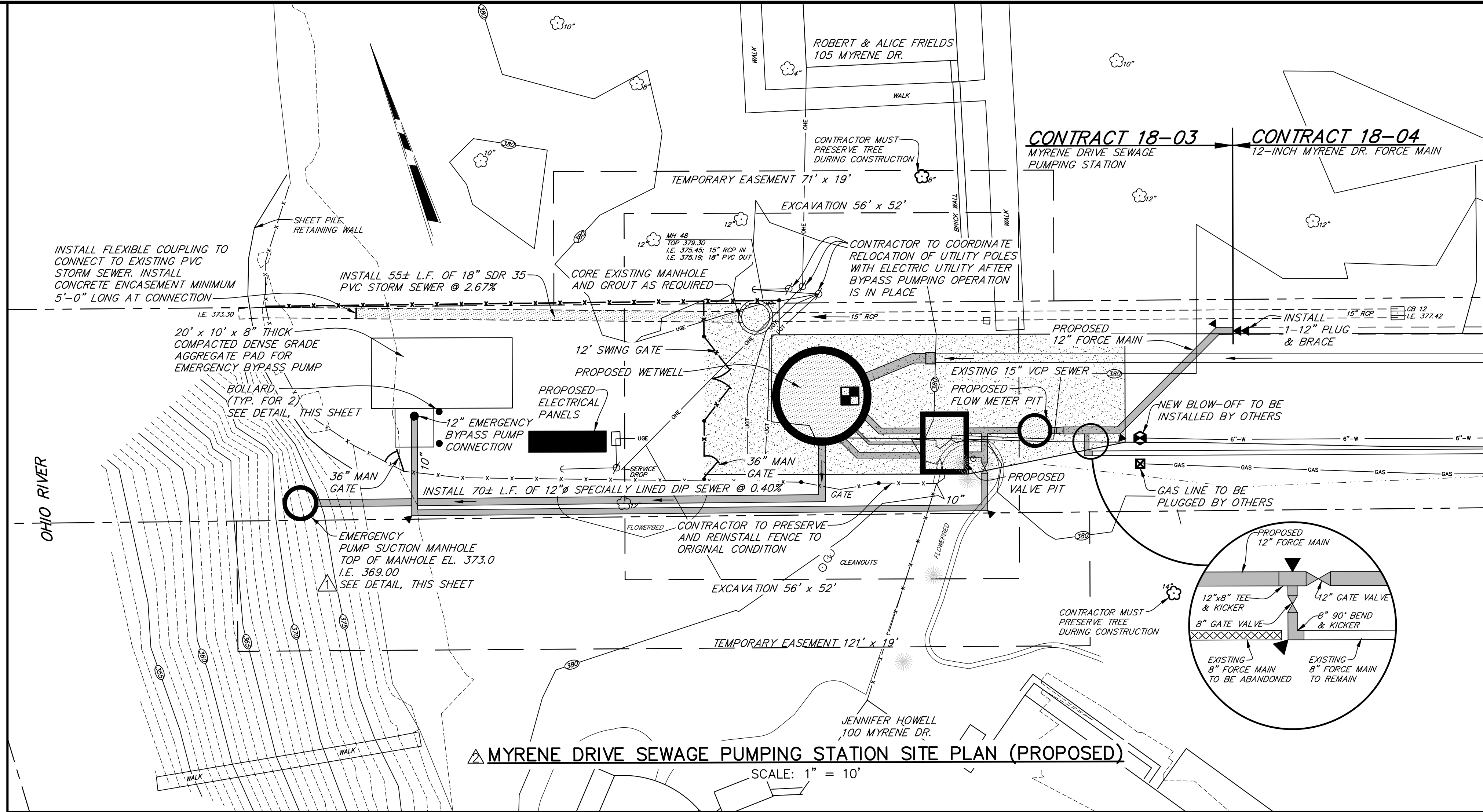
- SITE LEGEND**
- TO BE DEMOLISHED OR ABANDONED
 - EXISTING PAVEMENT
 - EXISTING SIDEWALK
 - EXISTING CULVERT
 - EXISTING DITCH
 - EXISTING FENCE
 - EXISTING CONTOURS
 - BENCH MARK
 - GEOTECHNICAL BORE PIT SEE SPECIFICATIONS
 - EXISTING PIPING
 - EXISTING VALVE
 - EXISTING YARD HYDRANT

CONSTRUCTION NOTES:

- SEE "GENERAL NOTES" AND "LEGEND", SHEET 1.
- LOCATION OF EXISTING FIELD PIPING IS TAKEN FROM EXISTING PLANS AND FROM FIELD SURVEY BUT IS NOT GUARANTEED. THE CONTRACTOR SHALL LOCATE ALL EXISTING PIPING THAT MAY INTERFERE WITH PROPOSED CONSTRUCTION AND SHALL RELOCATE SAME AS REQUIRED AT NO EXTRA COST.
- * INDICATES INFORMATION TAKEN FROM EXISTING PLANS. CONTRACTOR SHALL FIELD VERIFY.
- DUCTILE IRON MECHANICAL JOINT FITTINGS SHALL UTILIZE MEGALUG RETAINER GLANDS OR APPROVED EQUAL.
- THE CONTRACTOR SHALL SUBMIT A PLAN FOR BYPASS PUMPING TO THE OWNER AND ENGINEER PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL PROVIDE AN EMPLOYEE TO MONITOR THE BYPASS PUMPING OPERATIONS 24/7. BYPASS PUMPS SHALL BE SOUND ATTENUATED TYPE AS SPECIFIED.
- EXISTING STRUCTURES TO BE DEMOLISHED SHALL BE DEMOLISHED THREE FEET BELOW FINISHED GRADE. PLUG ALL PIPES (SEE PLUG DETAIL). DRILL HOLES IN BOTTOM OF STRUCTURES FOR ADEQUATE DRAINAGE AND FILL WITH CRUSHED STONE. COVER AREA WITH TOPSOIL. THE CONTRACTOR MAY USE EXCESS EXCAVATED MATERIAL FOR FILL. REFER TO DETAIL OF EXISTING STRUCTURE TO BE DEMOLISHED, THIS SHEET.



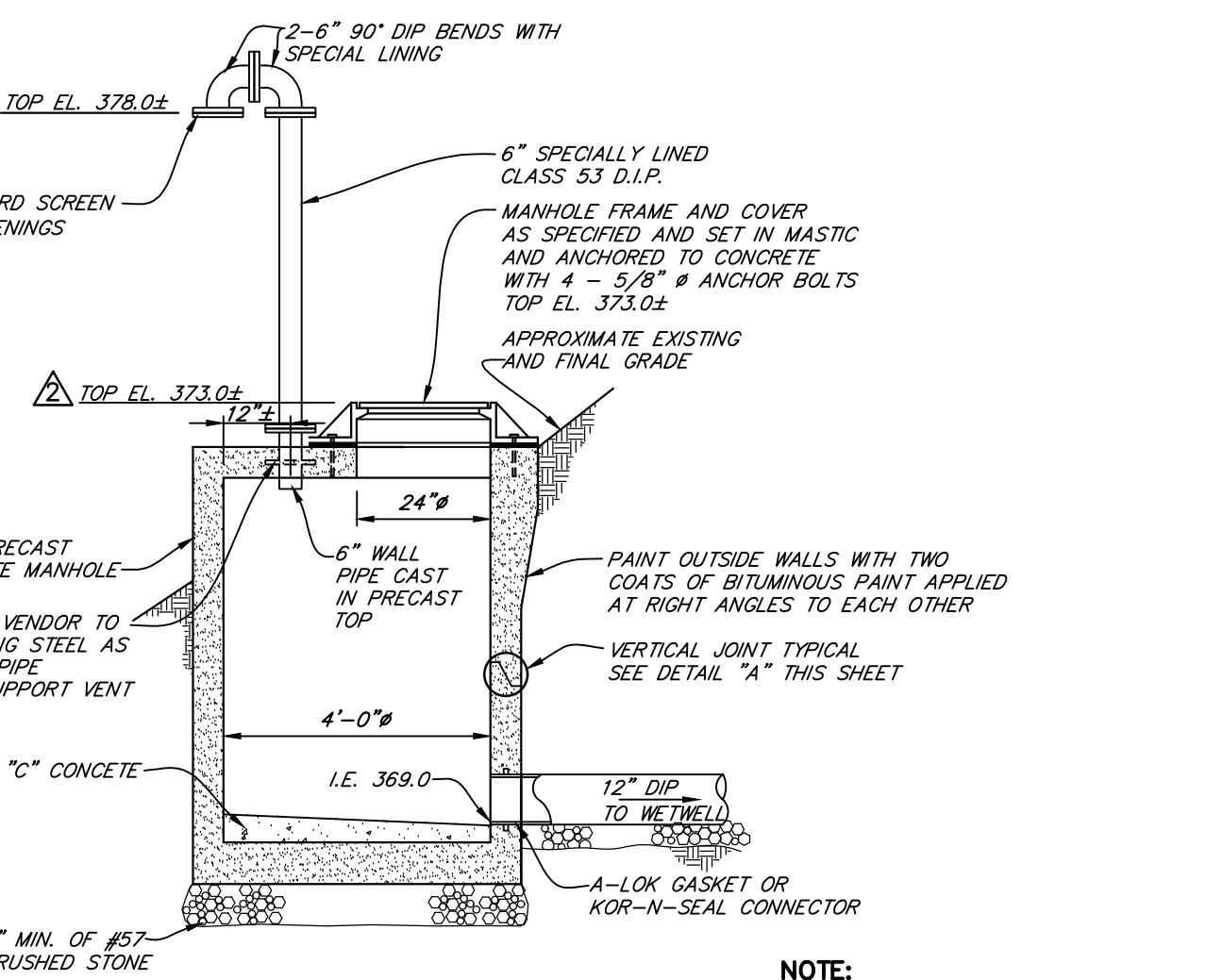
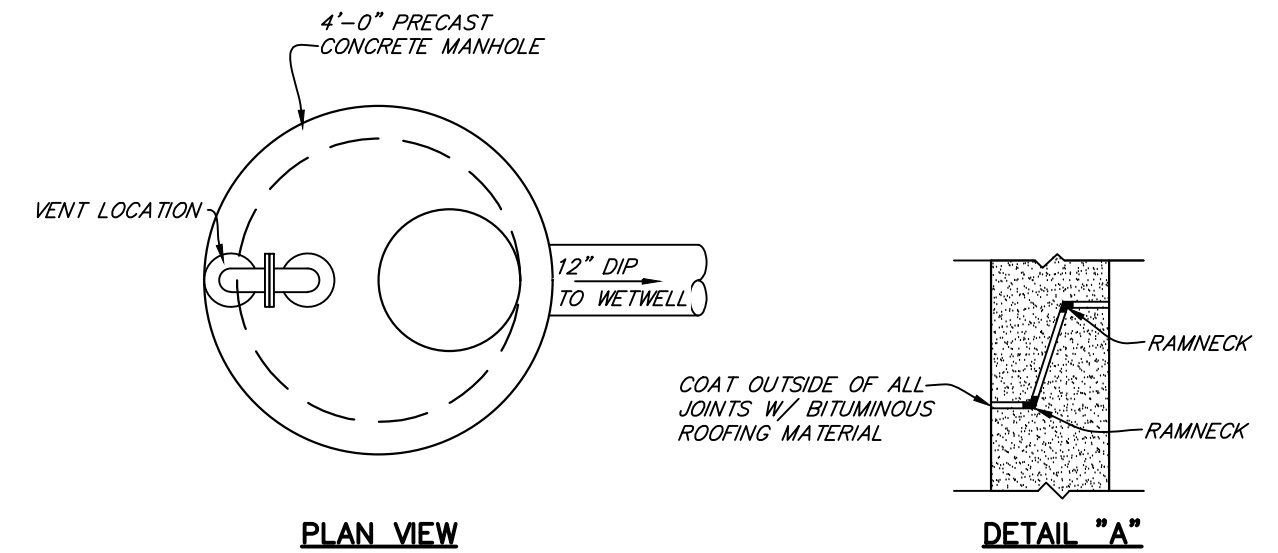
SHEET 2 OF 9	SEWER SYSTEM IMPROVEMENTS CONTRACT 18-03 MYRENE DRIVE SEWAGE PUMPING STATION	
	MYRENE DRIVE SEWAGE PUMPING STATION - DEMOLITION SITE PLAN	
REVISIONS GENERAL REVISION 11/14/2018 WZM ADDENDUM NO. 2 1/25/2019 WZM	FOR HENDERSON WATER UTILITY HENDERSON, KENTUCKY	
	SCALE AS SHOWN	DESIGNED SCL DRAWN AWR CHECKED SCL
JOB NUMBER 2016	DATE SEPT., 2018	WAUFORD J. R. Wauford & Company, Consulting Engineers, Inc. Nashville, Tennessee (615) 883-3243 www.jrwauford.com



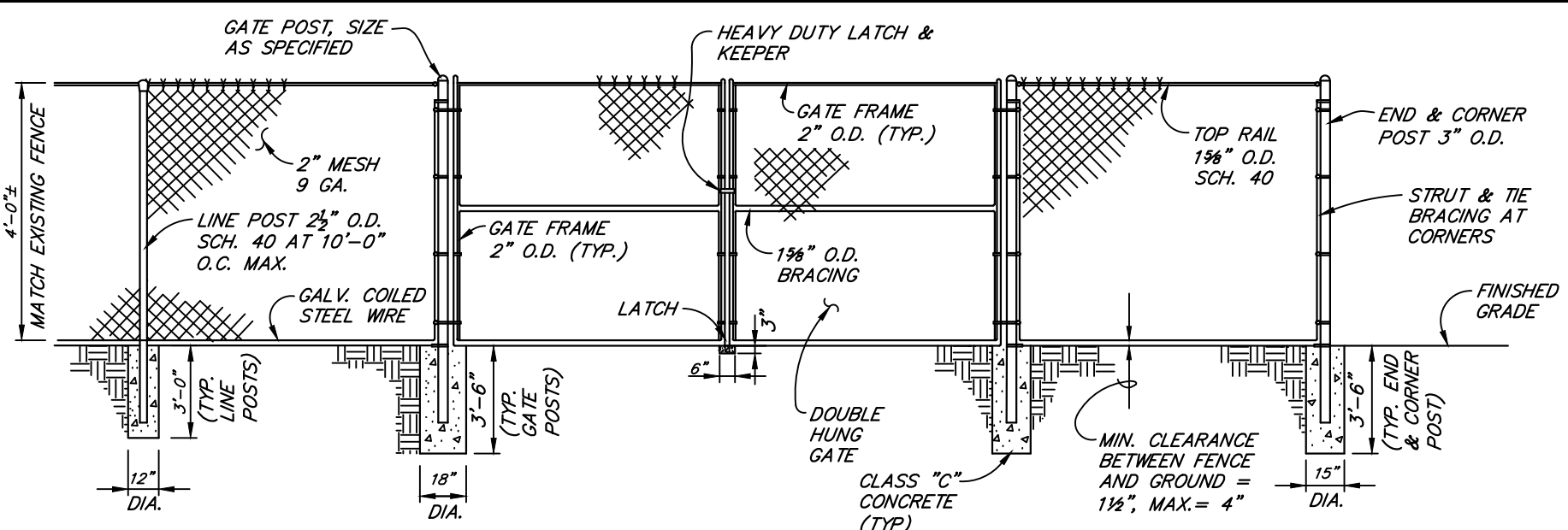
- SITE LEGEND**
- PROPOSED STRUCTURES
 - EXISTING PAVEMENT
 - PROPOSED PAVEMENT
 - PROPOSED GRAVEL
 - EXISTING SIDEWALK
 - EXISTING CULVERT
 - EXISTING DITCH
 - EXISTING FENCE
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 - PROPOSED PIPING
 - EXISTING VALVE
 - PROPOSED VALVE
 - EXISTING YARD HYDRANT
 - PROPOSED YARD HYDRANT

MYRENE DRIVE SEWAGE PUMPING STATION SITE PLAN (PROPOSED)

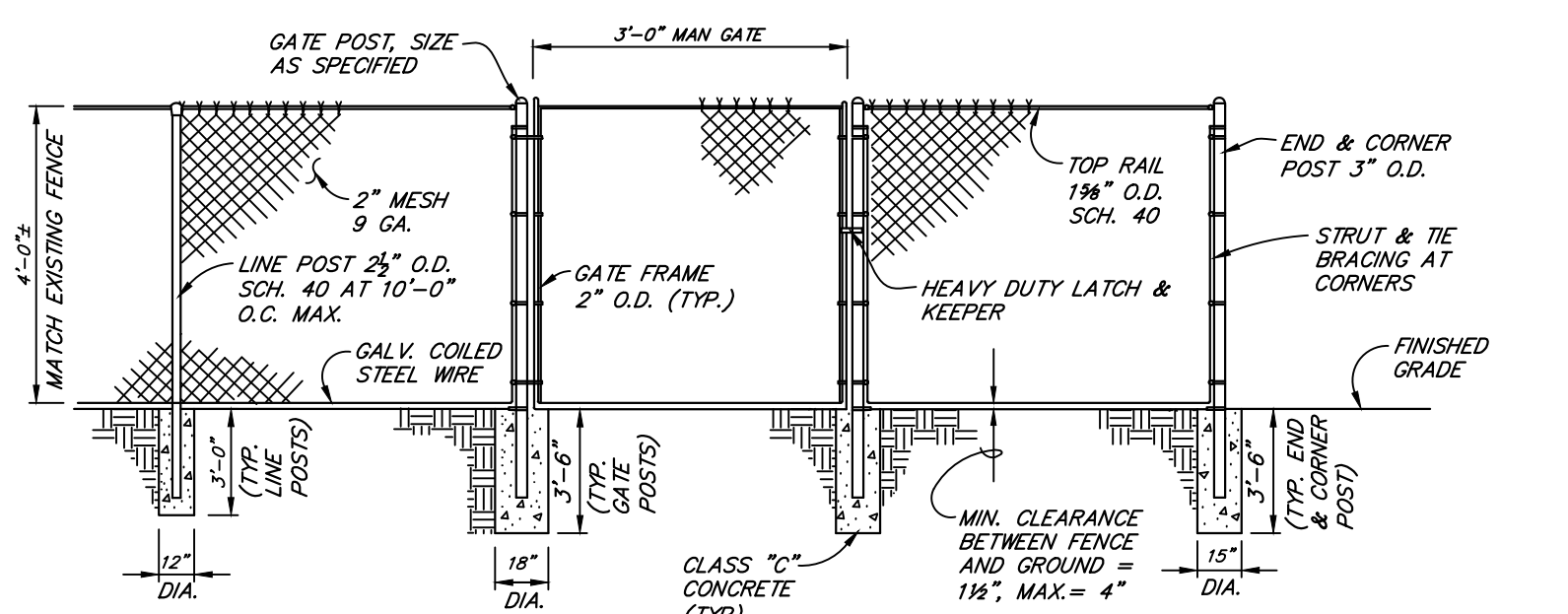
SCALE: 1" = 10'



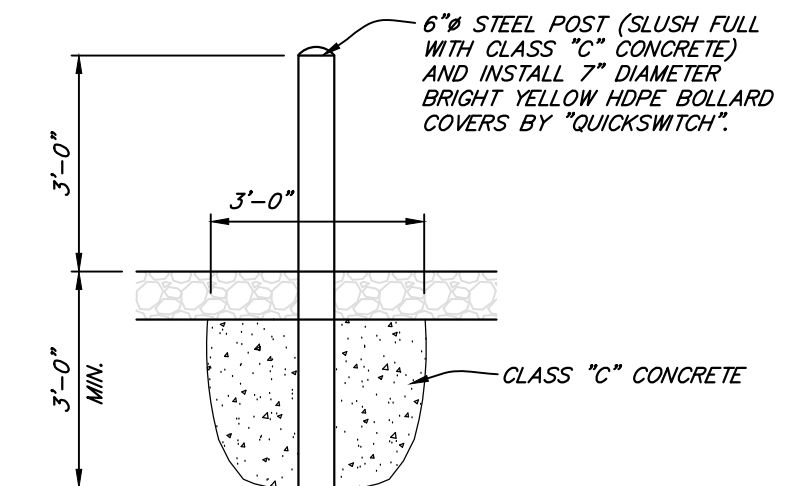
EMERGENCY PUMP SUCTION MANHOLE DETAIL
NOT TO SCALE



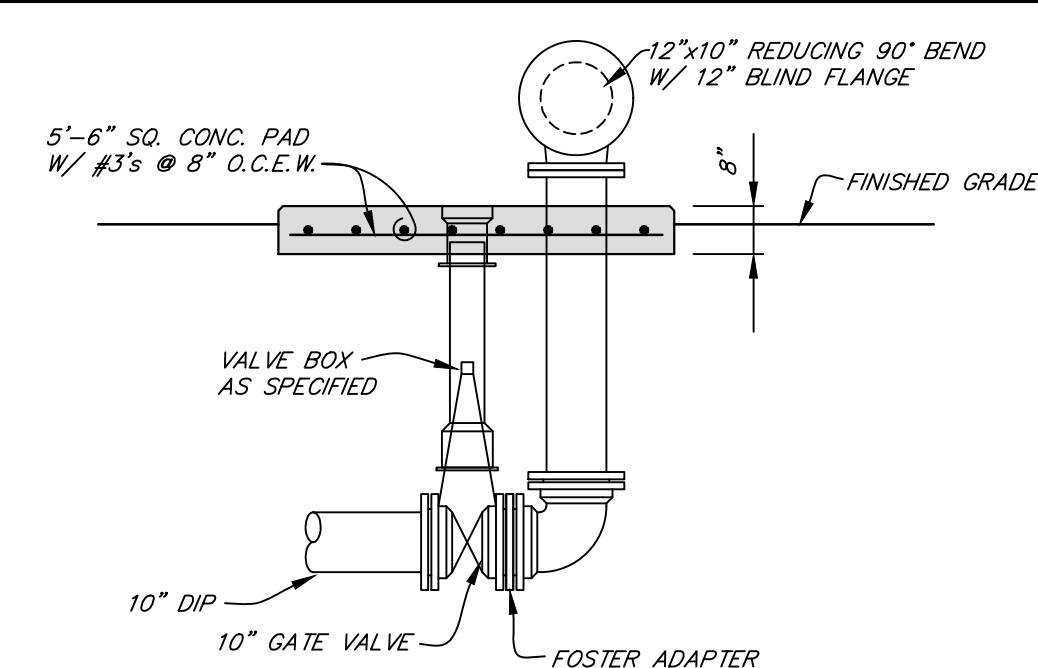
SITE FENCE AND SWING TYPE GATE DETAIL
NO SCALE



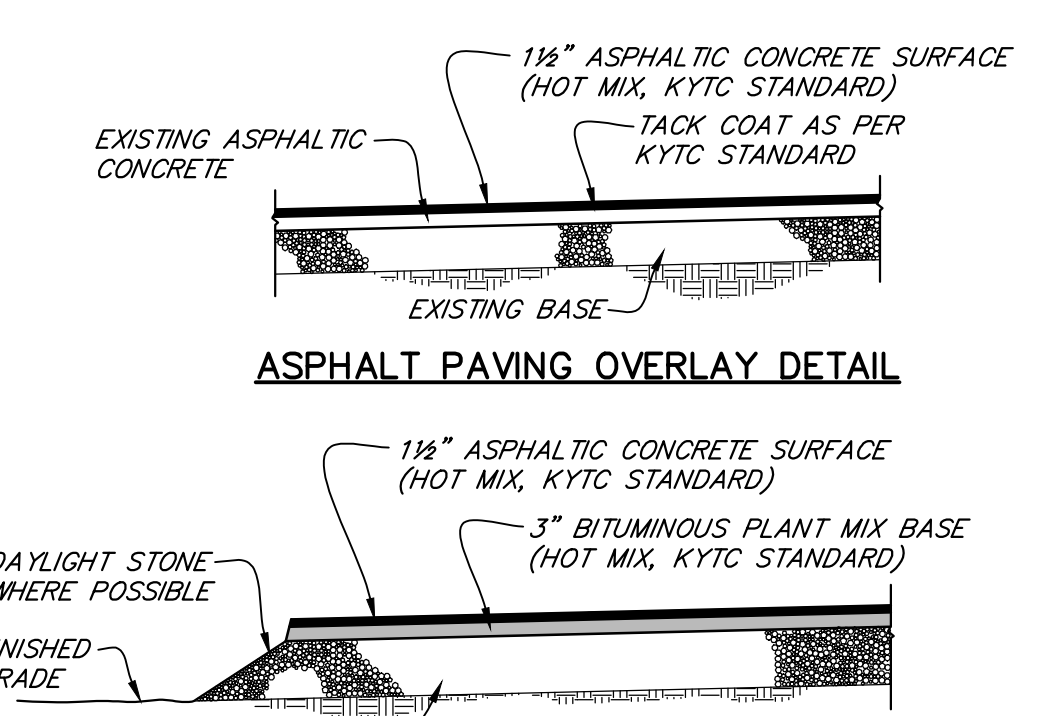
SITE FENCE MAN GATE DETAIL
NO SCALE



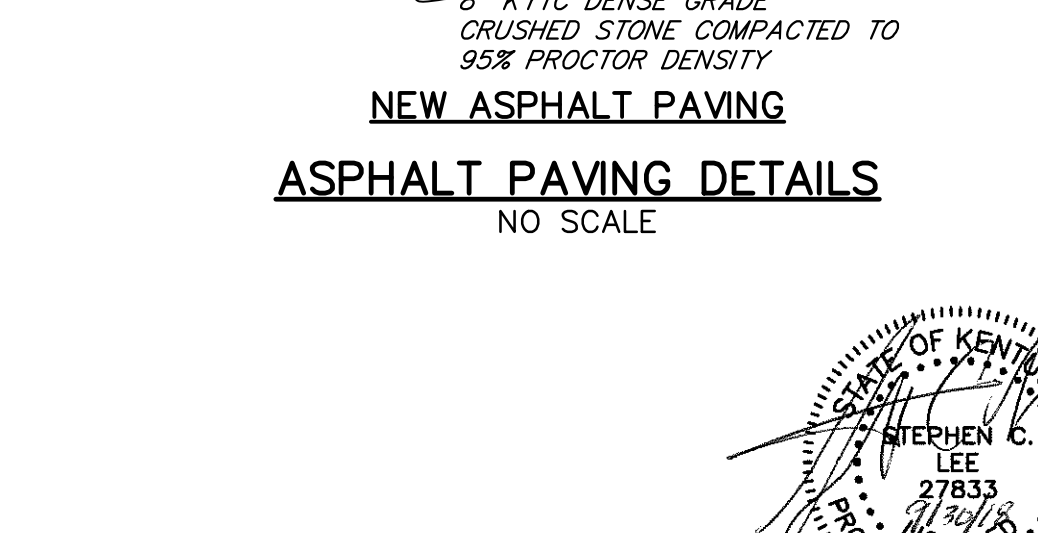
BOLLARD DETAIL



12" EMERGENCY BYPASS PUMP CONNECTION
SCALE: 3/8" = 1'-0"



ASPHALT PAVING OVERLAY DETAIL



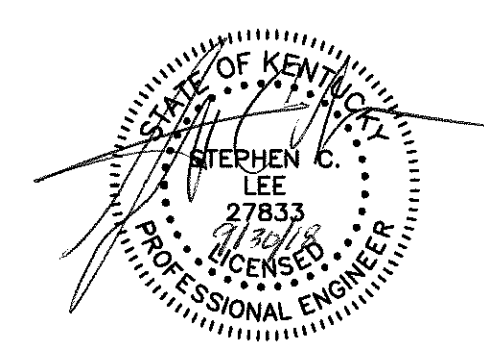
**NEW ASPHALT PAVING
ASPHALT PAVING DETAILS**
NO SCALE

SPECIAL NOTE:

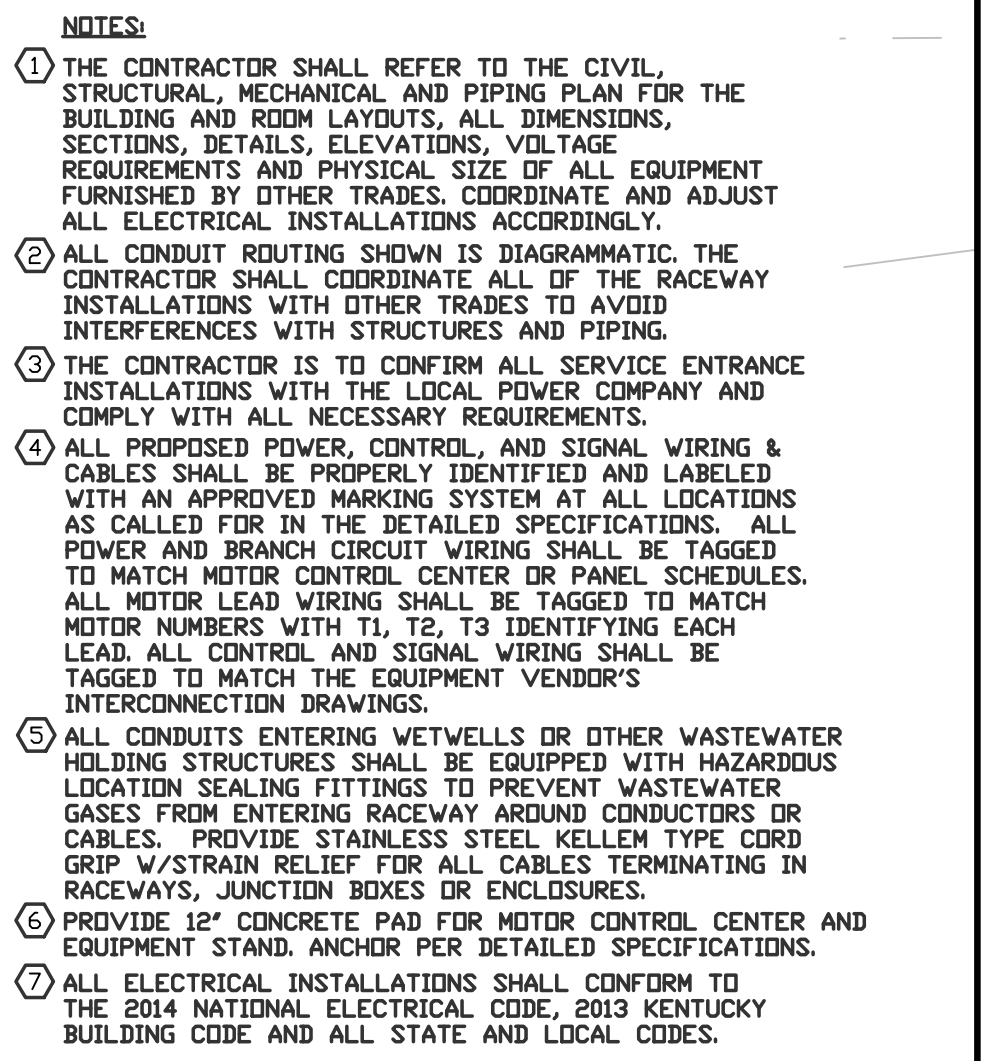
THE CONTRACTOR SHALL MAINTAIN SEWER SERVICE TO 100 AND 105 MYRENE DRIVE THROUGHOUT CONSTRUCTION AND RECONNECT SERVICES AS REQUIRED

CONSTRUCTION NOTES:

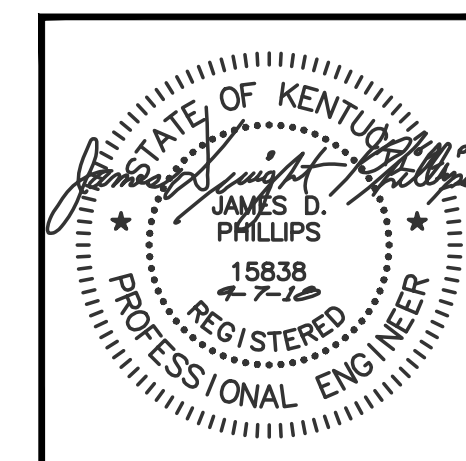
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- 100 YEAR FLOOD ELEVATION 377, FEMA PANEL 227 OF 425, MAP NUMBER 21101C0227F EFFECTIVE DATE SEPTEMBER 29, 2017.



SHEET 3 OF 9		SEWER SYSTEM IMPROVEMENTS CONTRACT 18-03 MYRENE DRIVE SEWAGE PUMPING STATION	
REVISIONS		MYRENE DRIVE SEWAGE PUMPING STATION - PROPOSED SITE PLAN	
ADDENDUM NO. 1 1/7/2019 WZM ADDENDUM NO. 2 1/25/2019 WZM		FOR HENDERSON WATER UTILITY HENDERSON, KENTUCKY	
SCALE	AS SHOWN	DATE	DESIGNED SCL
JOB NUMBER	2016	SEPT., 2018	DRAWN AWR
		WAUFORD J. R. Wauford & Company, Consulting Engineers, Inc. Nashville, Tennessee (615) 883-3243 www.jrwauford.com	
		CHECKED SCL	



MYRENE DRIVE SPS SITE ELECTRICAL PLAN
SCALE: 3/8" = 1'-0"



PHILLIPS
ENGINEERING, INC.

ELECTRICAL DESIGN
P.O. BOX 585
617 S. FIRST ST.
UNION CITY, TN 38261
(731) 885-9532

(M)17015-E1R1

SHEET E1 OF 3 REVISIONS  ADDENDUM NO. 2 01-25-19	SEWER SYSTEM IMPROVEMENTS CONTRACT 18-03 MYRENE DRIVE SEWAGE PUMPING STATION		
	MYRENE DRIVE SPS SITE ELECTRICAL PLAN		
	FOR HENDERSON WATER UTILITY HENDERSON, KENTUCKY		
	SCALE AS SHOWN	 J. R. Wauford & Company, Consulting Engineers, Inc. Nashville, Tennessee (615)883-2243 www.jrwauford.com	DESIGNED MLK
	DATE SEPT., 2018		DRAWN TWR CHECKED JDP
JOB NUMBER 2016			