



HMB Professional Engineers, Inc.
3 HMB Circle, US 460
Frankfort, KY 40601
Phone: 502/695-9800
Fax: 502/695-9810

LETTER OF TRANSMITTAL

DATE	11/2/2017	JOB NO.	4166
ATTENTION	Gwen Pinson, Executive Director		
RE:	Case No. 2016-00229		
	Fountain Run Water District		
RECEIVED			

Public Service Commission
211 Sower Boulevard
Frankfort, KY 40602-0615

NOV 03 2017

WE ARE SENDING YOU Attached Under Separate Cover Via: _____ the following items:

Shop Drawings Prints Plans Samples Specifications

Copy of Letter Change Order _____

PUBLIC SERVICE COMMISSION

COPIES	DATE	NO.	DESCRIPTION
			Record Drawings (Contract I & II)
			Substantial Completion Letter (Contract I & II)
			Letter stating when project started and reached 50% complete
			Documentation of Costs

THESE ARE TRANSMITTED as checked below:

- | | | |
|---|---|---|
| <input type="checkbox"/> For Approval | <input type="checkbox"/> Approved as Submitted | <input type="checkbox"/> Approved as Submitted |
| <input type="checkbox"/> For Your Use | <input type="checkbox"/> Approved as Noted | <input type="checkbox"/> Approved as Noted |
| <input type="checkbox"/> As Requested | <input type="checkbox"/> Returned for Corrections | <input type="checkbox"/> Returned for Corrections |
| <input type="checkbox"/> For Review and Comment | <input type="checkbox"/> _____ | |
| <input type="checkbox"/> FOR BIDS DUE _____ | <input type="checkbox"/> PRINTS RETURNED AFTER LOAN TO US | |

REMARKS

If you have any questions, please call.

COPY TO Chris Veach, Fountain Run Water District

SIGNED: Jeff Reynolds, P.E.

If enclosures are not as noted, kindly notify us at once



3 HMB Circle
 US 460
 Frankfort, KY 40601
 Office: (502) 695-9800
 Fax: (502) 695-9810

December 6, 2016

Joe Cornwell, Chairman
 Fountain Run Water District #1
 P.O. Box 118
 Fountain Run, KY 42133

RECEIVED DEC 01 2016

RECEIVED

NOV 03 2017

PUBLIC SERVICE
 COMMISSION

RE: Substantial Completion and Warranty
 Contract I – Pump Station Rehab.
 HMB Project No. 4166.00

Dear Mr. Cornwell:

Substantial completion of the above referenced project was achieved on December 6, 2016. The contractor's one-year warranty period began on that date and shall expire on December 5, 2017.

To the best of our knowledge and belief this project was completed in accordance with the Division of Water approved plans and specifications.

It has been a pleasure working with you and the Fountain Run Water District on another successful project. We look forward to future opportunities to continue our relationship.

Should you have any questions, or if additional information is required, please do not hesitate to contact me at (502)695-9800.

Sincerely,

HMB Professional Engineers, Inc.

Jeff Reynolds, P.E.
 Project Manager

cc: Neal Zabkar, N.E. Zabkar, Corp.
 Mark Givens, RD

- Highway Engineering
- Structural Engineering
- Water & Wastewater
- Site Development
- Right-of-Way
- Master Planning
- Environmental Planning
- Surveying
- Project Management
- Cost Estimation
- Construction Inspection
- Aviation Services
- Environmental Remediation



3 HMB Circle
 US 460
 Frankfort, KY 40601
 Office: (502) 695-9800
 Fax: (502) 695-9810

December 6, 2016

Joe Cornwell, Chairman
 Fountain Run Water District #1
 P.O. Box 118
 Fountain Run, KY 42133

RECEIVED DEC 9 1 2016

RECEIVED DEC 0 1 2016

RECEIVED DEC 0 1 2016

RE: Substantial Completion and Warranty
 Contract II – Small Dia. Gravity Sewer
 HMB Project No. 4166.00

Dear Mr. Cornwell:

Substantial completion of the above referenced project was achieved on December 6, 2016. The contractor's one-year warranty period began on that date and shall expire on December 5, 2017.

To the best of our knowledge and belief this project was completed in accordance with the Division of Water approved plans and specifications.

It has been a pleasure working with you and the Fountain Run Water District on another successful project. We look forward to future opportunities to continue our relationship.

Should you have any questions, or if additional information is required, please do not hesitate to contact me at (502)695-9800.

Sincerely,

HMB Professional Engineers, Inc.

Jeff Reynolds, P.E.
 Project Manager

cc: Gene Wilburn, N.E. KY Environmental
 Mark Givens, RD

- Highway Engineering
- Structural Engineering
- Water & Wastewater
- Site Development
- Right-of-Way
- Master Planning
- Environmental Planning
- Surveying
- Project Management
- Cost Estimation
- Construction Inspection
- Aviation Services
- Environmental Remediation



3 HMB Circle
US 460
Frankfort, KY 40601
Office: (502) 695-9800
Fax: (502) 695-9810

November 2, 2017

Gwen Pinson, Executive Director
Public Service Commission
211 Sower Boulevard
Frankfort, KY 40602-0615

RE: Case No. 2016-00229
Fountain Run Water District #1
HMB #4166.00

Dear Mrs. Pinson:

This letter is to inform you that construction on the above reference project started on approximately September 10, 2016. The 50 percent complete was reached on approximately October 15, 2016.

If you have any questions or need additional information, please call.

Sincerely

HMB Professional Engineers, Inc.

Jeff Reynolds, P.E.

Highway Engineering

Structural Engineering

Water & Wastewater

Site Development

Right-of-Way

Master Planning

Environmental Planning

Surveying

Project Management

Cost Estimation

Construction Inspection

Aviation Services

Environmental Remediation

Landscape Architecture

KENTUCKY ■ TENNESSEE ■ INDIANA ■ ALABAMA ■ WEST VIRGINIA ■ GEORGIA

**Sanitary Sewer Improvements Project
Fountain Run Water District #1
Draw Request 5
Dec-16**

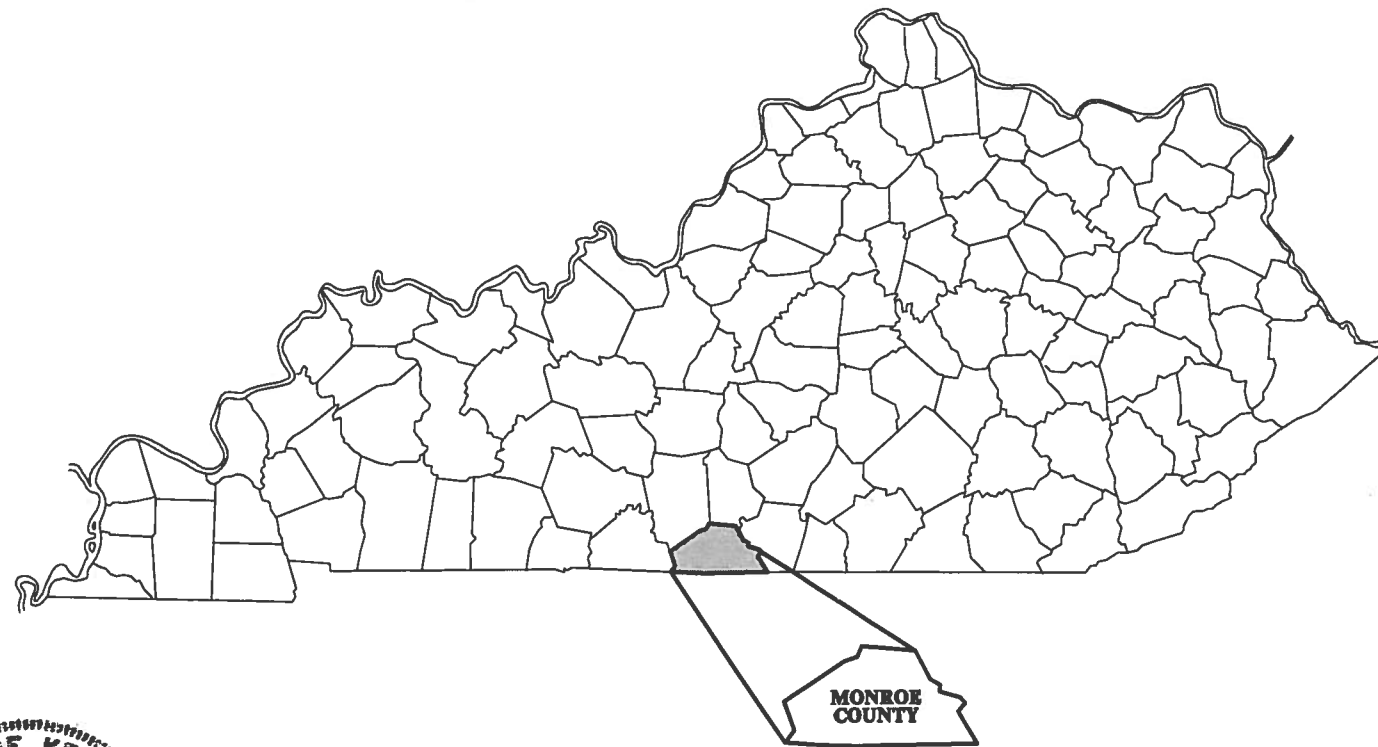
Job No. 4166
Engineer JR
Date 12/28/2016
Admin

Payee	RUS Loan (\$133,000)	RUS Grant (\$74,000)	ARC Grant (\$218,000)		Prior Request	Total to Date	Amount Due
HMB Professional Engineers, Inc.			\$1,297.00		\$61,553.00	\$62,850.00	\$1,297.00
Rubin and Hays					\$6,704.81	\$6,704.81	\$0.00
Richard D. Jackson, Attorney					\$1,939.13	\$1,939.13	\$0.00
Wells Fargo Bank - Loan Payoff					\$49,335.86	\$49,335.86	\$0.00
N.E. Zabkar, Corp					\$172,556.00	\$172,556.00	\$0.00
N.E. KY Environmental Services					\$42,306.00	\$42,306.00	\$0.00
Fountain Run Sinking Fund					\$5,000.00	\$5,000.00	\$0.00
Total	\$0.00	\$0.00	\$1,297.00		\$339,394.80	\$340,691.80	\$1,297.00
Prior Request	\$133,000.00	\$51,598.34	\$154,796.46				
Total to Date	\$133,000.00	\$51,598.34	\$156,093.46			\$340,691.80	

SANITARY SEWER IMPROVEMENTS PROJECT FOUNTAIN RUN WATER DISTRICT #1 MONROE COUNTY, KENTUCKY CONTRACT I - PUMP STATION REHAB

FOUNTAIN RUN WATER DISTRICT

JOE CORNWELL
PRESIDENT
RAVEN PROPES
VICE PRESIDENT
NOVIS LANCASTER
SECRETARY
BRENDA STEENBERGEN
TREASURER
FRANCES HOWARD
MEMBER
CHRIS VEACH
MANAGER



RECORD DRAWINGS

DATE: DECEMBER 2016

REVISED BY: SAB

DATE REVISED: DECEMBER 2016



DECEMBER 2016
HMB PROJECT No. 4166.00


JEFF D. REYNOLDS, P.E.
KENTUCKY REGISTRATION NO. 20,469

Plans Prepared By:

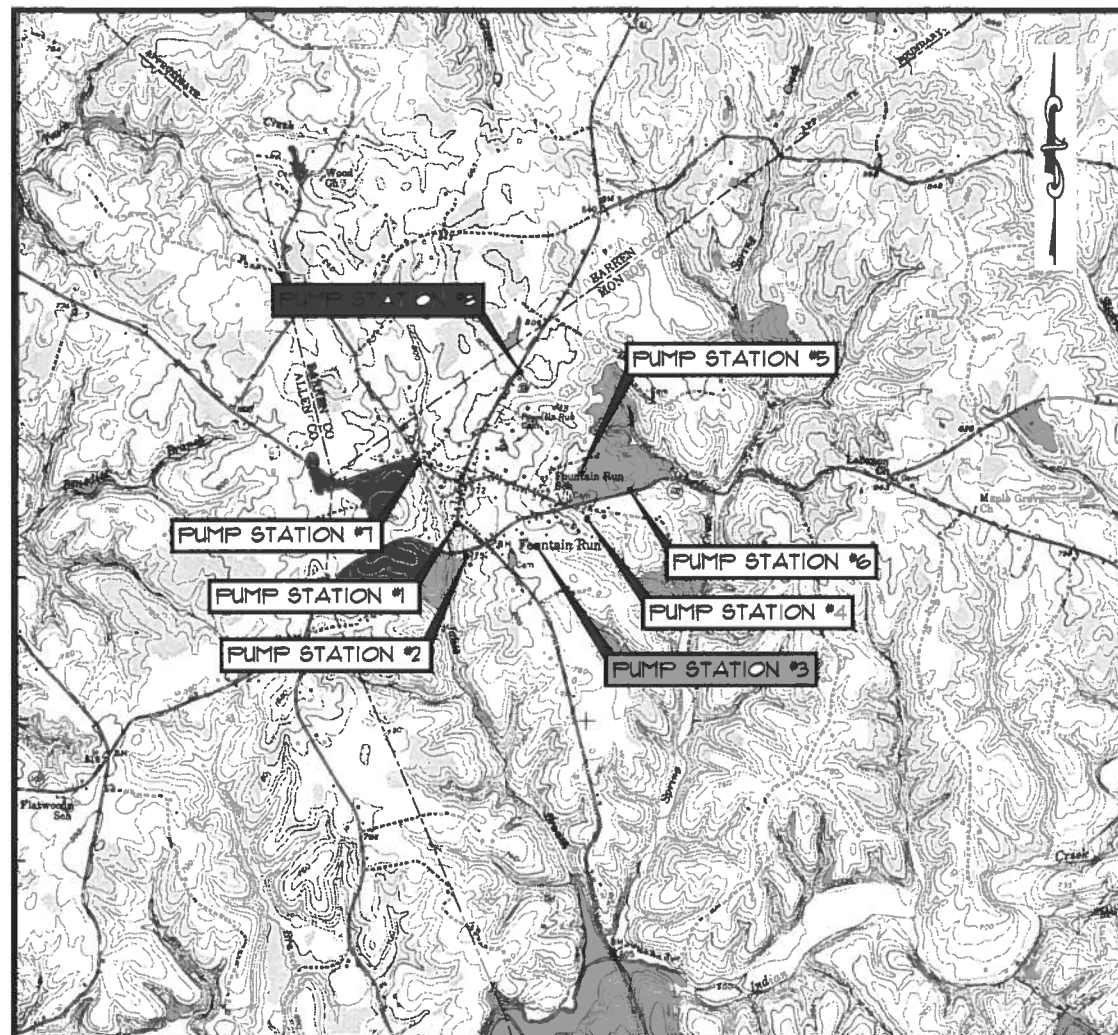


3 HMB Circle (502)895-9800
Frankfort, Kentucky Fax (502)895-9810

P:\engr\m\4166\CAD\Record Drawings\CONTRACT\INDEX CONTRACT I.dwg, 12/19/2016 2:14:33 PM, DWG To PDF.pc3

GENERAL NOTES

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THE LOCATIONS OF ANY AND ALL UTILITIES ENCOUNTERED BY THE FINAL ALIGNMENT OF SEWER LINE. THE CONTRACTOR SHALL USE CAUTION WHEN EXCAVATING AND SHALL TAKE THE NECESSARY MEASURES TO PROTECT THE EXISTING UTILITIES TO KEEP THEM IN SERVICE. IF UTILITIES ARE SHOWN, THE INFORMATION IS GENERAL IN NATURE AND NOT TO BE TAKEN AS AS-BUILTS. ADDITIONAL UTILITIES OTHER THAN THOSE SHOWN WILL BE ENCOUNTERED. CONTRACTOR SHALL CONTACT REPRESENTATIVES OF LOCAL UTILITIES A MINIMUM OF 48 HRS. BEFORE COMMENCING WORK ON THE PROJECT. ALL DAMAGE TO EXISTING UTILITIES CAUSED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER OR THE ENGINEER.
2. THE CONTRACTOR SHALL CONFORM TO ALL LOCAL CODES AND RECEIVE APPROVAL WHERE NECESSARY BEFORE CONSTRUCTION.
3. ALL DAMAGE TO EXISTING UTILITIES CAUSED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER. NOT ALL CULVERTS ARE SHOWN. CONTRACTOR SHALL USE CAUTION WHEN WORKING IN THESE AREAS.
4. THE CONTRACTOR SHALL MAINTAIN A CURRENT SET OF CONSTRUCTION PLANS ON THE JOB SITE DURING ALL PHASES OF CONSTRUCTION.
5. ALL CONSTRUCTION AND INSTALLATION OF MATERIALS BEING USED SHALL BE IN CONFORMANCE WITH THE PLANS AND SPECIFICATIONS PREPARED BY THE ENGINEER OF RECORD. SUBSTITUTION AND DEVIATION SHALL BE PERMITTED ONLY WHEN WRITTEN APPROVAL HAS BEEN ISSUED BY THE ENGINEER.
6. THE CONTRACTOR SHALL TAKE APPROPRIATE ACTION TO DETERMINE SUBSURFACE CONDITIONS.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TEMPORARY REMOVAL, RELOCATION AND REPLACEMENT OF TRAILERS, BUILDINGS, FENCES, ETC.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY PUMPS TO PUMP THE SEWAGE AROUND THE CONSTRUCTION AREA, IF NECESSARY. THE CONTRACTOR SHALL PROVIDE THE NECESSARY EQUIPMENT TO PREVENT BY-PASS OF SEWAGE AND SUBMIT A PLAN INDICATING HOW THIS WILL BE ACCOMPLISHED. NO ADDITIONAL COST SHALL BE PAID TO THE CONTRACTOR FOR ANY REASON, FOR SEWER PUMPING REQUIRED TO COMPLETE CONSTRUCTION.



LOCATION MAP
SCALE: 1" = 2000'

SHEET INDEX

	COVER
GNI	LOCATION MAP, GENERAL NOTES & SHEET INDEX
GN2	OVERALL PUMP STATION LOCATIONS
1	TYPICAL PUMP STATION
2	PUMP STATION #2
SDI	STANDARD DETAILS

RECORD DRAWINGS

DATE: DECEMBER 2016

REVISED BY: SAB

DATE REVISED: DECEMBER 2016

PROJECT: 415702		DATE: JAN. 2014	
SCALE: NTS			
DESIGNED BY	JDR	NAME	DATE
DRAWN BY	SAB		
CHECKED BY	JDR		
NO.	DATE	REVISIONS	CHK'D
			APPR'D
			DATE
			RECORD DUGS.

HMB
PROFESSIONAL ENGINEERS, INC.

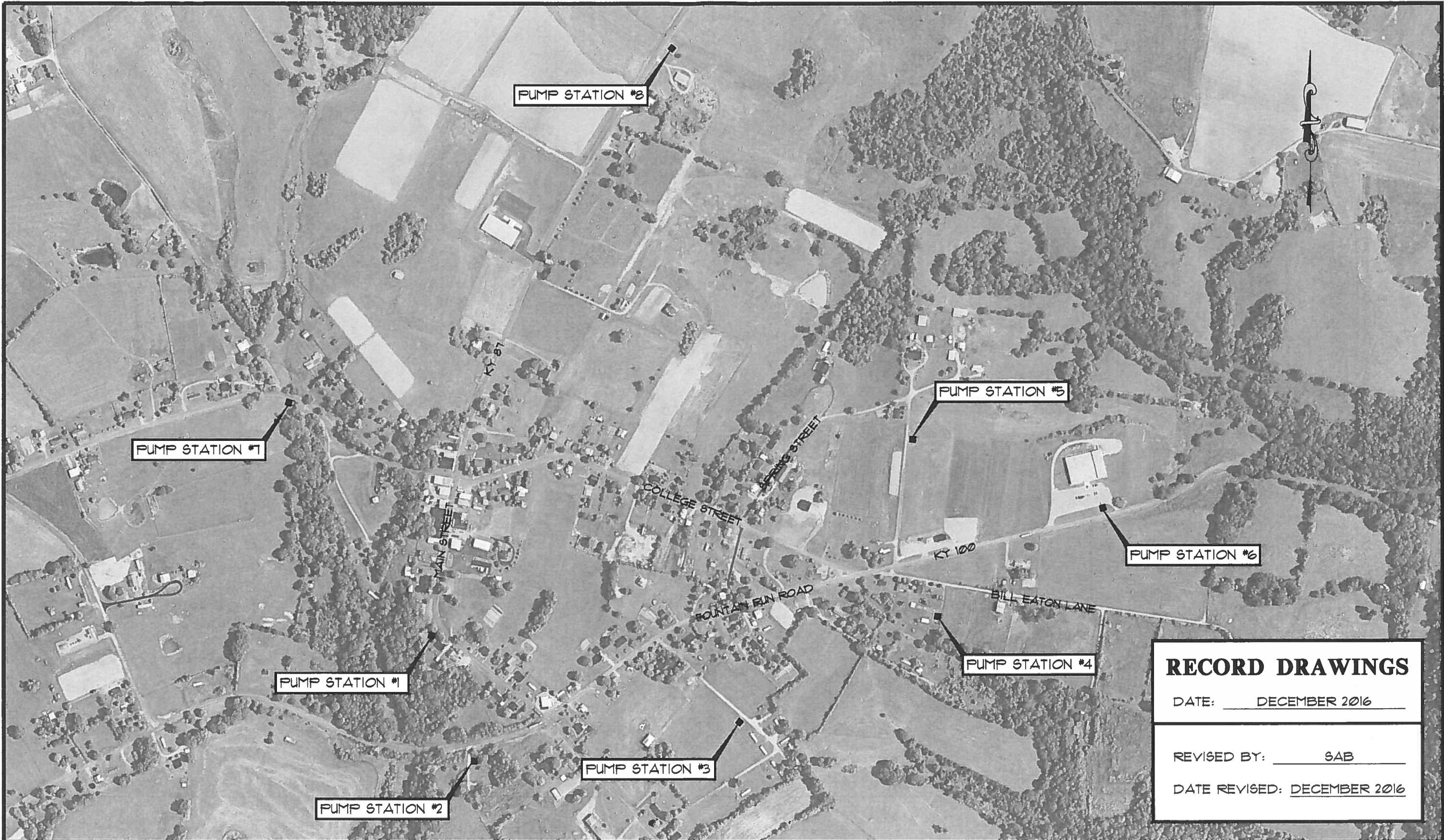
3 HMB CIRCLE
FRANKFORT, KENTUCKY
(502) 695-9800
(502) 695-9810 FAX

**SANITARY SEWER IMPROVEMENTS PROJECT
FOUNTAIN RUN WATER DISTRICT #1
MONROE COUNTY, KENTUCKY
CONTRACT I - PUMP STATION REHAB**

LOCATION MAP/GENERAL NOTES/SHEET INDEX

SHEET
GNI

P:\engr\166\CAD\Record Drawings\CONTRACT I\OVERALL SITE MAP.dwg, 12/19/2016 2:19:10 PM, DWG To PDF.pc3



RECORD DRAWINGS
 DATE: DECEMBER 2016
 REVISED BY: SAB
 DATE REVISED: DECEMBER 2016

NO.	DATE	REVISIONS	CHK'D	APPR'D	DATE

PROJECT: 416600 DATE: NOV. 2015
 SCALE: 1" = 500'

DESIGNED BY	NAME	DATE
JDR	JDR	
DRAWN BY	SAB	
CHECKED BY	JDR	
RECORD DUGS.		



3 HMB CIRCLE
 FRANKFORT, KENTUCKY
 (502) 695-9800
 (502) 695-9810 FAX

**SANITARY SEWER IMPROVEMENTS PROJECT
 FOUNTAIN RUN WATER DISTRICT #1
 MONROE COUNTY, KENTUCKY
 CONTRACT I - PUMP STATION REHAB**

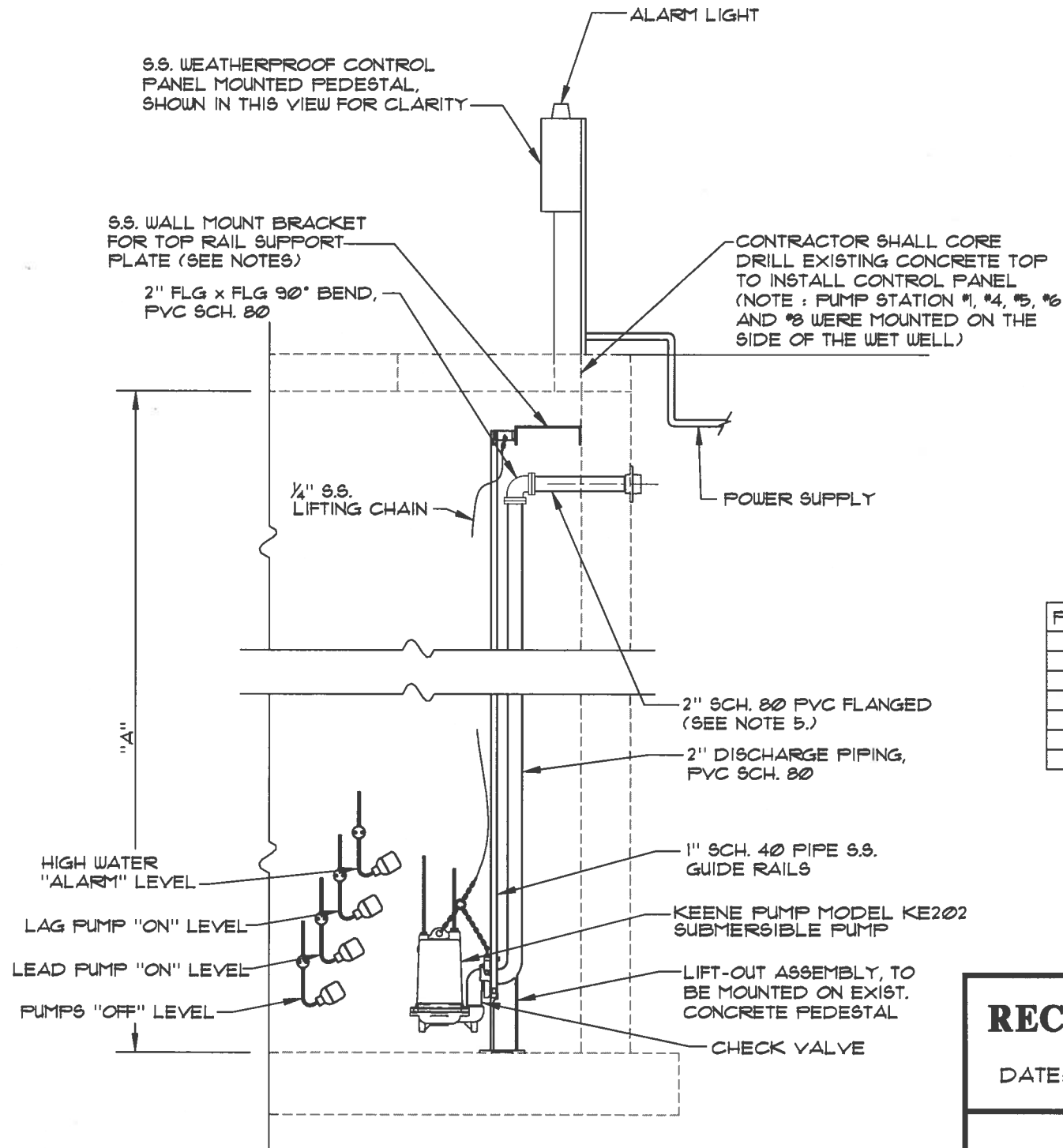
OVERALL PUMP STATION LOCATIONS

SHEET
 GN2

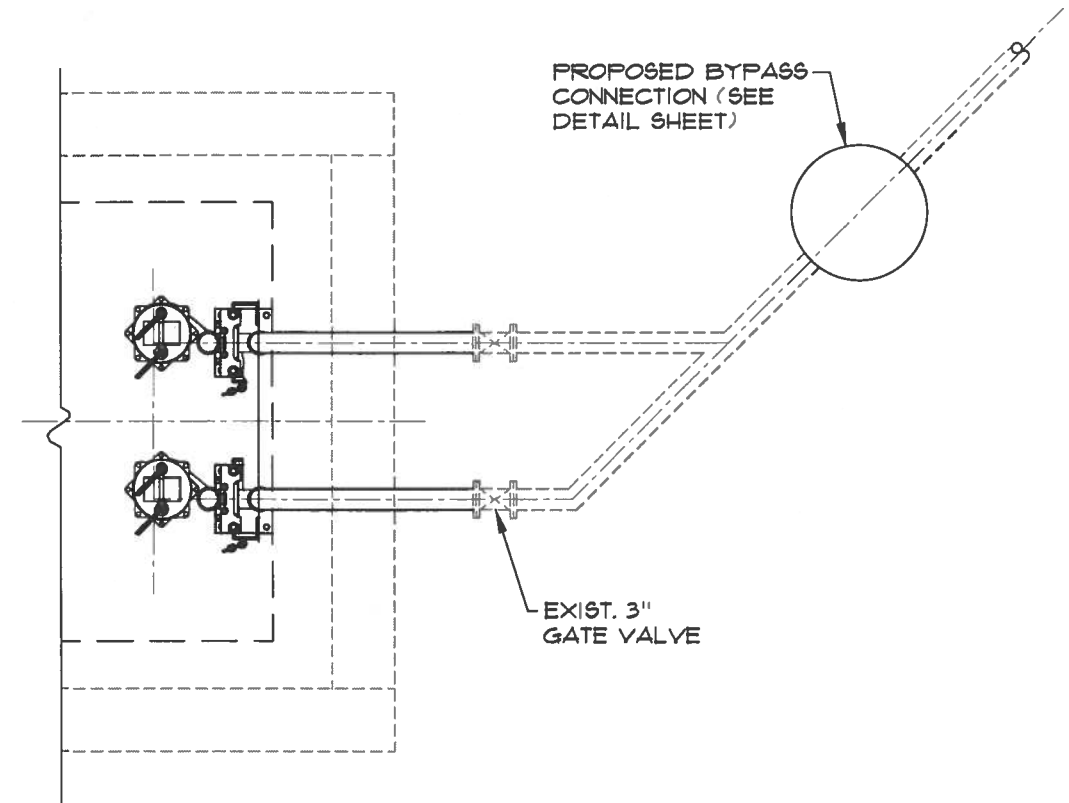
P:\engrenv\4166\CAD\Record Drawings\CONTRACT I\PUMP STATIONS 1,3,4,5,6,7,8.dwg, 12/19/2016 2:32:38 PM, DWG To PDF.pc3

PUMP STATION GENERAL NOTES

1. ALL BOLTS FOR LIFT STATION SHALL BE STAINLESS STEEL TYPE 304 WITH STAINLESS STEEL HARDWARE.
2. CONTROL PANEL SHALL BE FIELD LOCATED ON THE TOP SLAB OF THE WET WELL AND APPROVED BY OWNER AND ENGINEER. (NOTE : PUMP STATION #1, #4, #5, #6, #7 AND #8 WERE MOUNTED TO THE SIDE OF THE WET WELL.)
3. CONTRACTOR SHALL FABRICATE STAINLESS STEEL WALL MOUNT BRACKET FOR TOP RAIL SUPPORT PLATE.
4. ALL PVC FITTINGS SHALL BE FLANGED. NO GLUE FITTINGS WILL BE ALLOWED.
5. PROPOSED DISCHARGE PIPING SHALL ALIGN WITH EXISTING DISCHARGE LINE. DISCHARGE PIPING SHALL TRANSITION TO PVC OUTSIDE OF WET WELL AND CONNECT TO EXISTING FORCE MAIN.
6. BYPASS CONNECTION SHALL BE INSTALLED PRIOR TO TAKING EXISTING PUMP STATION OUT OF SERVICE. CONTRACTOR SHALL BE RESPONSIBLE FOR PUMPING OF SEWAGE AROUND EXISTING WET WELL DURING CONSTRUCTION.
7. CONTRACTOR SHALL REMOVE EXISTING PUMPS, GUIDE RAILS, FLOATS, PIPING, ETC. ALL MATERIALS REMOVED SHALL REMAIN THE PROPERTY OF THE DISTRICT AND SHALL BE PLACED AT A LOCATION AS DIRECTED BY THE DISTRICT.



PUMP STATION #	DIM. "A"
1	9'-3"
3	10'-0"
4	8'-0"
5	9'-0"
6	9'-0"
7	8'-9"
8	15'-6"



RECORD DRAWINGS

DATE: DECEMBER 2016

REVISED BY: SAB

DATE REVISED: DECEMBER 2016

NO.	DATE	REVISIONS	CHK'D	APPR'D	DATE

PROJECT: 4166.00	DATE: NOV. 2015	
SCALE: N.T.S.		
DESIGNED BY: JDR	NAME: JDR	DATE:
DRAWN BY: SAB	NAME: SAB	DATE:
CHECKED BY: JDR	NAME: JDR	DATE:
RECORD DWSG.	NAME:	DATE:



3 HMB CIRCLE
FRANKFORT, KENTUCKY
(502) 695-9800
(502) 695-3810 FAX

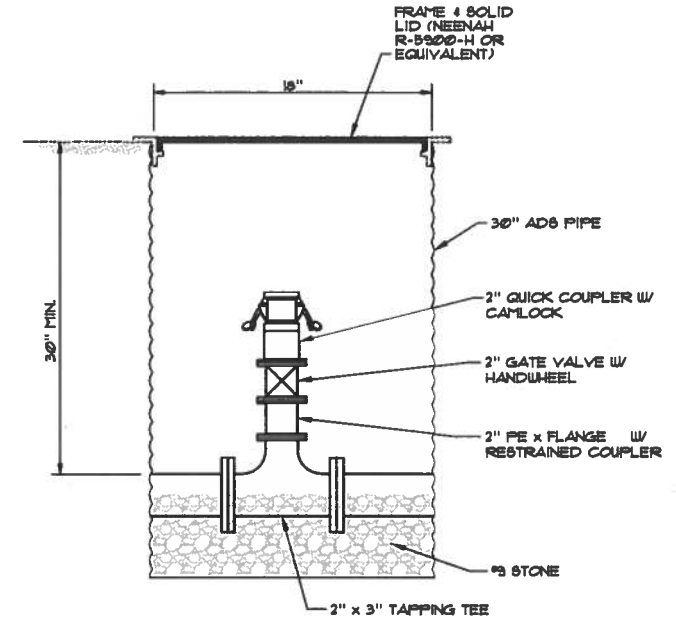
**SANITARY SEWER IMPROVEMENTS PROJECT
FOUNTAIN RUN WATER DISTRICT #1
MONROE COUNTY, KENTUCKY
CONTRACT I - PUMP STATION REHAB**

TYPICAL PUMP STATION

SHEET
1



TYPICAL BYPASS CONNECTION
SCALE: N.T.S.



BYPASS CONNECTION DETAIL
SCALE: N.T.S.

RECORD DRAWINGS

DATE: DECEMBER 2016

REVISED BY: SAB

DATE REVISED: DECEMBER 2016

NO.	DATE	REVISIONS	CHK'D	APPR'D	DATE

PROJECT: 4166-00 DATE: DEC. 2015		
SCALE: N.T.S.		
DESIGNED BY	NAME	DATE
DRAWN BY	SAB	
CHECKED BY	JDR	
RECORD DWGS.		



3 HMB CIRCLE
FRANKFORT, KENTUCKY
(502) 695-9800
(502) 695-9810 FAX

**SANITARY SEWER IMPROVEMENTS PROJECT
FOUNTAIN RUN WATER DISTRICT #1
MONROE COUNTY, KENTUCKY
CONTRACT I - PUMP STATION REHAB**

STANDARD SANITARY SEWER DETAILS

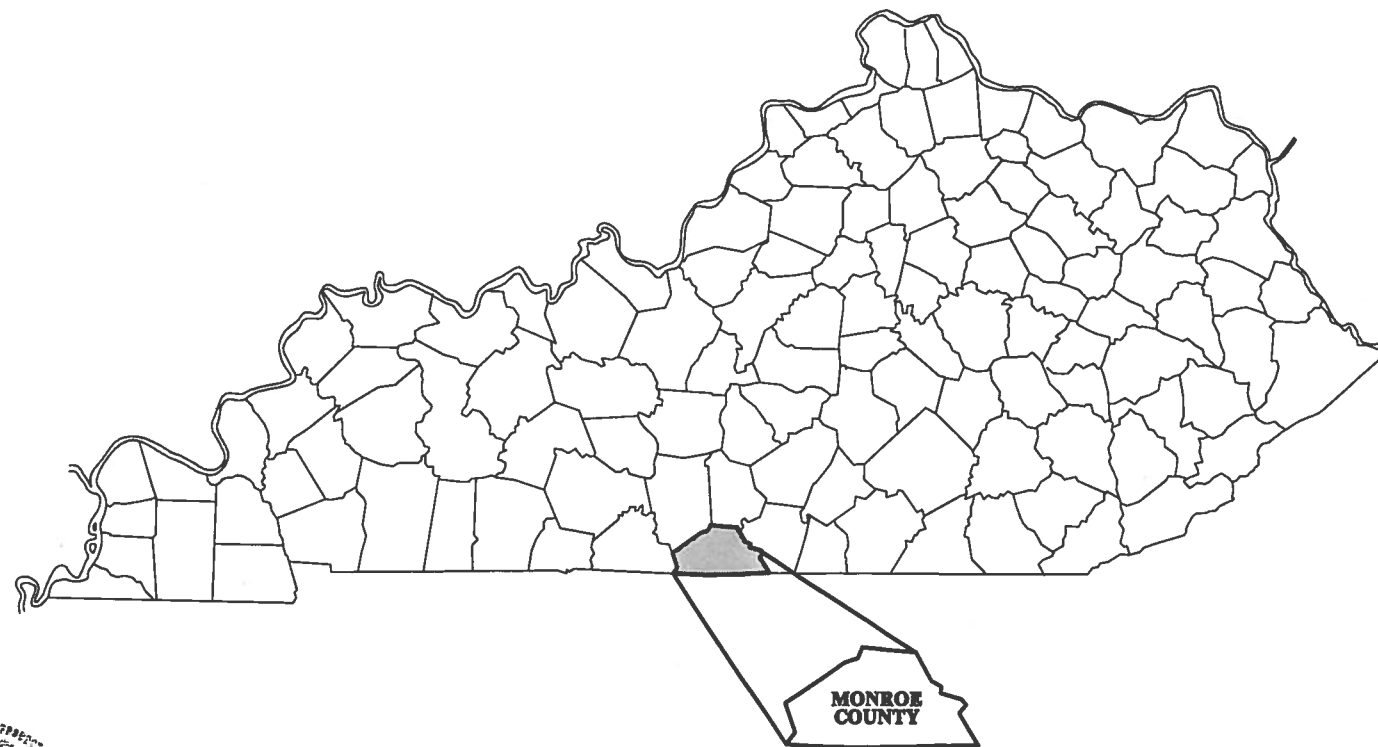
SHEET
SD1

SANITARY SEWER IMPROVEMENTS PROJECT FOUNTAIN RUN WATER DISTRICT #1 MONROE COUNTY, KENTUCKY

CONTRACT II - SMALL DIAMETER GRAVITY SEWER

FOUNTAIN RUN WATER DISTRICT

JOE CORNWELL
PRESIDENT
RAVEN PROPES
VICE PRESIDENT
NOVIS LANCASTER
SECRETARY
BRENDA STEENBERGEN
TREASURER
FRANCES HOWARD
MEMBER
CHRIS VEACH
MANAGER

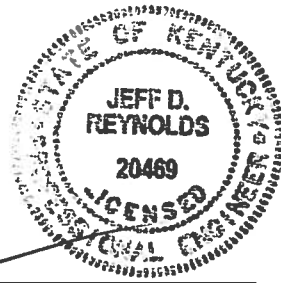


RECORD DRAWINGS

DATE: DECEMBER 2016

REVISED BY: SAB

DATE REVISED: DECEMBER 2016



JEFF D. REYNOLDS, P.E.
KENTUCKY REGISTRATION NO. 20,469

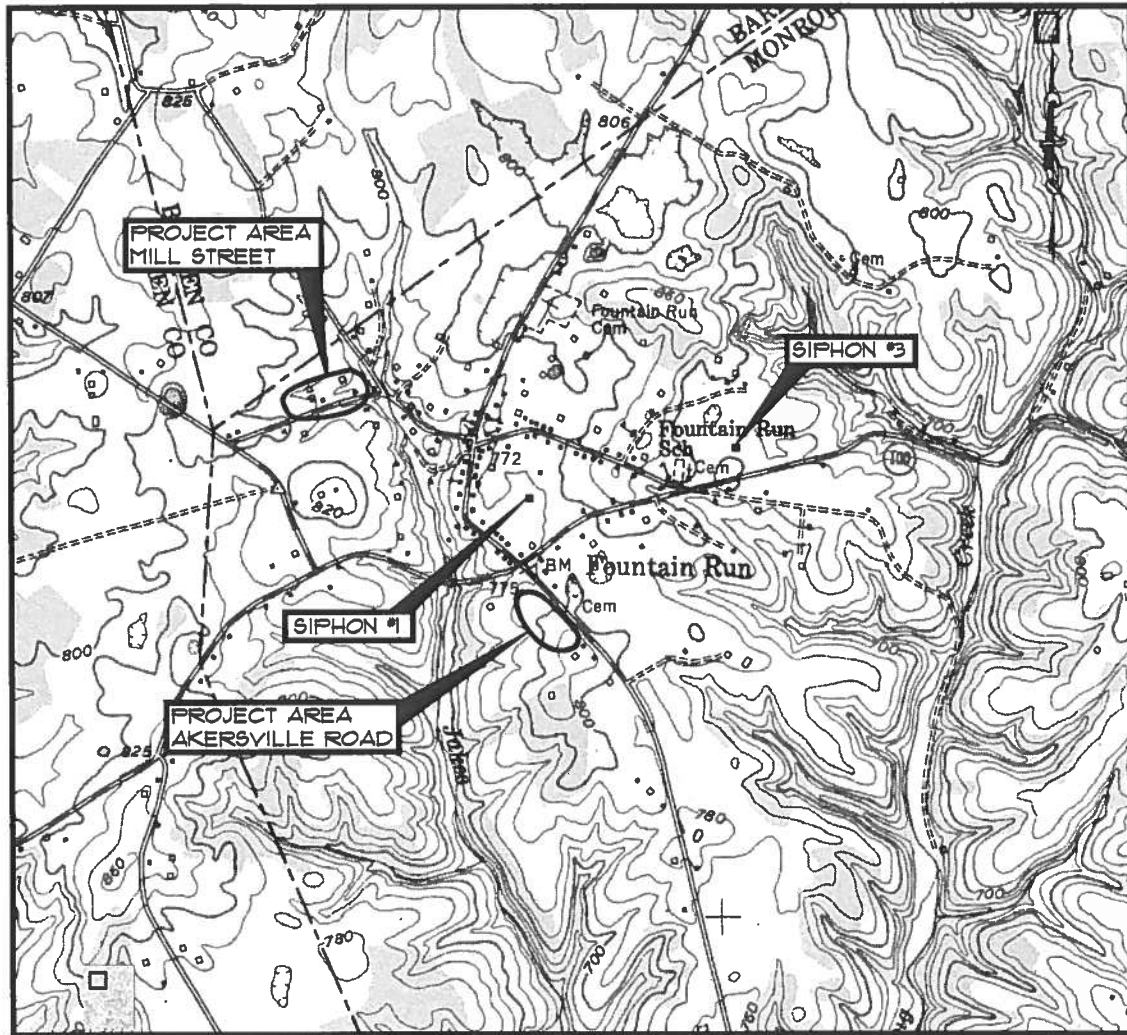
DECEMBER 2016
HMB PROJECT No. 4166.00

Plans Prepared By:



3 HMB Circle (502)895-9800
Frankfort, Kentucky Fax (502)895-9810

P:\engr\4166\CAD\Record Drawings\CONTRACT II\INDEX CONTRACT II.dwg, 12/19/2016 5:19:14 PM, DWG To PDF.pc3



LOCATION MAP

SCALE: 1" = 1000'

SHEET INDEX

	COVER
GNI	LOCATION MAP, GENERAL NOTES & SHEET INDEX
1	MILL STREET
2	AKERSVILLE ROAD
3	EXISTING PUMP STATION #3
4	EXISTING PUMP STATION #3 MODIFICATIONS
5	SIPHON #1
6	SIPHON #3
SDI	STANDARD DETAILS

GENERAL NOTES

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THE LOCATIONS OF ANY AND ALL UTILITIES ENCOUNTERED BY THE FINAL ALIGNMENT OF SEWER LINE. THE CONTRACTOR SHALL USE CAUTION WHEN EXCAVATING AND SHALL TAKE THE NECESSARY MEASURES TO PROTECT THE EXISTING UTILITIES TO KEEP THEM IN SERVICE. IF UTILITIES ARE SHOWN, THE INFORMATION IS GENERAL IN NATURE AND NOT TO BE TAKEN AS AS-BUILTS. ADDITIONAL UTILITIES OTHER THAN THOSE SHOWN WILL BE ENCOUNTERED. CONTRACTOR SHALL CONTACT REPRESENTATIVES OF LOCAL UTILITIES A MINIMUM OF 48 HRS. BEFORE COMMENCING WORK ON THE PROJECT. ALL DAMAGE TO EXISTING UTILITIES CAUSED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER OR THE ENGINEER.
- THE CONTRACTOR SHALL CONFORM TO ALL LOCAL CODES AND RECEIVE APPROVAL WHERE NECESSARY BEFORE CONSTRUCTION.
- THE CONTRACTOR IS TO VERIFY ALL EXISTING AND FINISHED GRADES AND ELEVATIONS IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE.
- ALL DAMAGE TO EXISTING UTILITIES CAUSED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER. NOT ALL CULVERTS ARE SHOWN. CONTRACTOR SHALL USE CAUTION WHEN WORKING IN THESE AREAS.
- THE CONTRACTOR SHALL NOTIFY PROPERTY OWNERS PRIOR TO PERFORMING DRIVEWAY CUTS IN ORDER TO PROVIDE PROPERTY OWNER ACCESS TO THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL INSTALL THESE DRIVEWAY CROSSINGS WITH EXPEDIENCE AND SHALL RESTORE THE DRIVEWAY AS SOON AS POSSIBLE.
- CONCRETE ENCASEMENT SHALL BE USED WHEN CLEARANCE BETWEEN WATER MAIN AND SEWER LINE IS 18" OR LESS. SEE DETAIL-UTILITY CROSSING/ENCASEMENT. CONCRETE ENCASEMENT IS NOT A SEPARATE PAY ITEM, PRICE TO BE INCLUDED IN UNIT PRICE BID FOR PIPE.
- THE CONTRACTOR SHALL MAINTAIN A CURRENT SET OF CONSTRUCTION PLANS ON THE JOB SITE DURING ALL PHASES OF CONSTRUCTION.
- ALL CONSTRUCTION AND INSTALLATION OF MATERIALS BEING USED SHALL BE IN CONFORMANCE WITH THE PLANS AND SPECIFICATIONS PREPARED BY THE ENGINEER OF RECORD. SUBSTITUTION AND DEVIATION SHALL BE PERMITTED ONLY WHEN WRITTEN APPROVAL HAS BEEN ISSUED BY THE ENGINEER.
- THE CONTRACTOR SHALL TAKE APPROPRIATE ACTION TO DETERMINE SUBSURFACE CONDITIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LINES AND GRADES REQUIRED FOR THE CONSTRUCTION OF THE SEWER LINES. THE CONTRACTOR SHALL FURNISH ALL MATERIALS AND EQUIPMENT THAT ARE REQUIRED FOR LAYOUT BY THE CONTRACTOR'S FORCES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TEMPORARY REMOVAL, RELOCATION AND REPLACEMENT OF TRAILERS, BUILDINGS, FENCES, ETC.
- ELECTRONIC MARKER SYSTEM (EMS) FULL-RANGE MARKERS SHALL BE INSTALLED AT ALL BENDS, TEES, FITTINGS AND WHERE DIRECTED BY THE OWNER/ENGINEER.

RECORD DRAWINGS

DATE: DECEMBER 2016

REVISED BY: SAB

DATE REVISED: DECEMBER 2016

PROJECT: 4166.00 DATE: NOV. 2015			SCALE: N.T.S.		
DESIGNED BY	JDR	NAME	JDR	DATE	
DRAWN BY	SAB	CHECKED BY	JDR	RECORD DUGS.	
NO.	DATE	REVISIONS	CHK'D	APPR'D	DATE



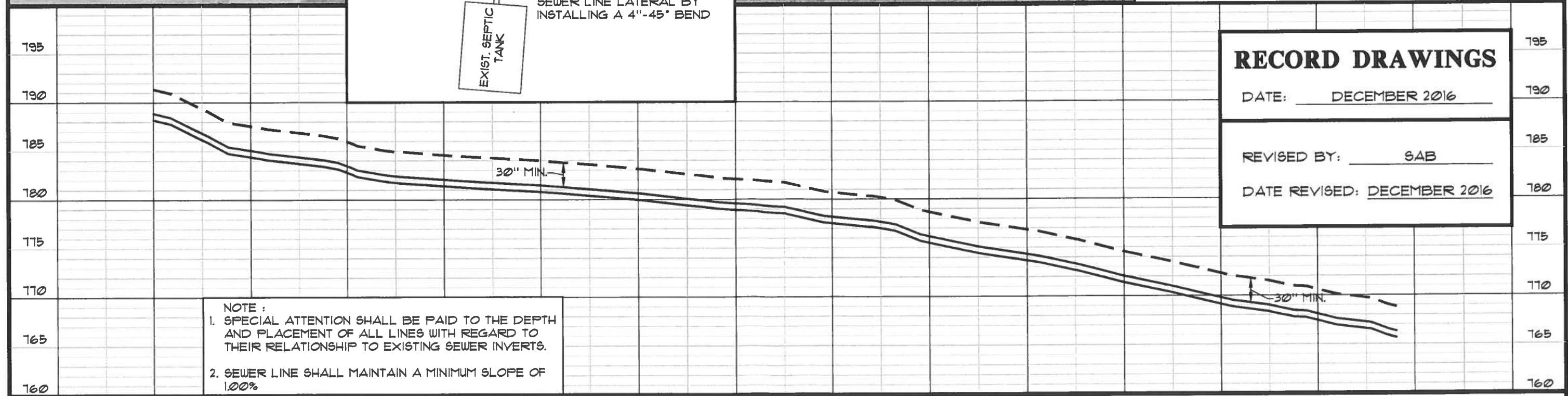
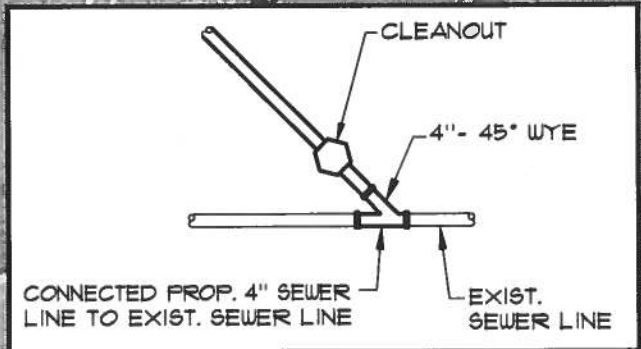
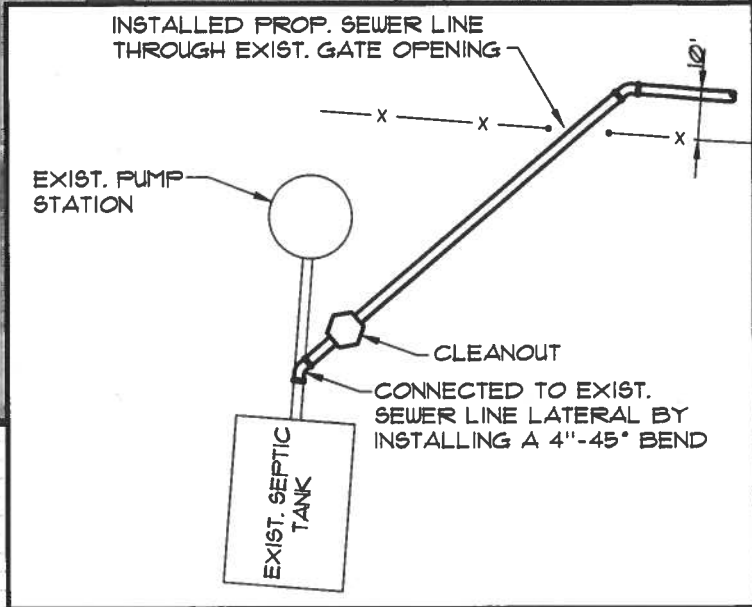
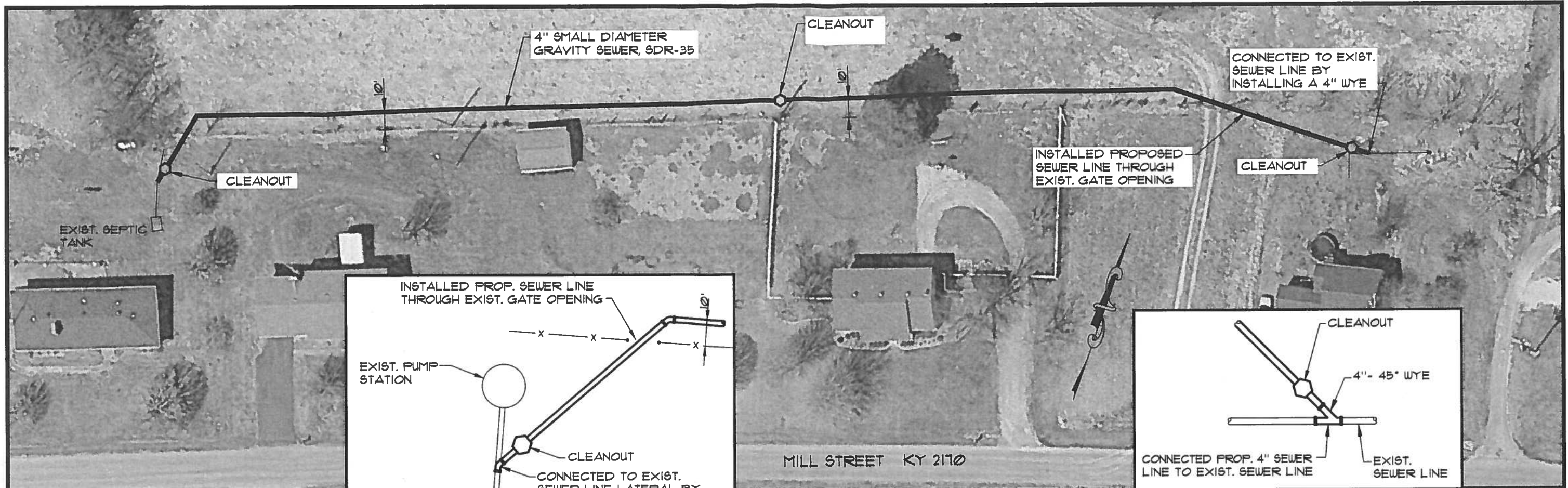
3 HMB CIRCLE
FRANKFORT, KENTUCKY
(502) 695-3800
(502) 695-3810 FAX

**SANITARY SEWER IMPROVEMENTS PROJECT
FOUNTAIN RUN WATER DISTRICT #1
MONROE COUNTY, KENTUCKY
CONTRACT II - SMALL DIAMETER GRAVITY SEWER**

LOCATION MAP/GENERAL NOTES/SHEET INDEX

SHEET
GNI
REVISED

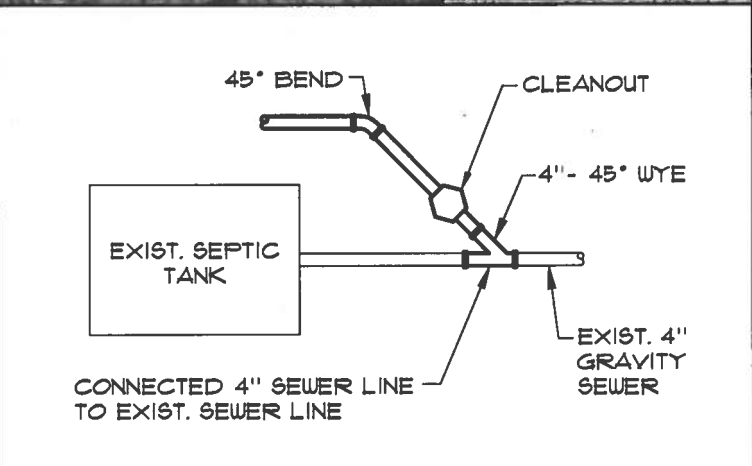
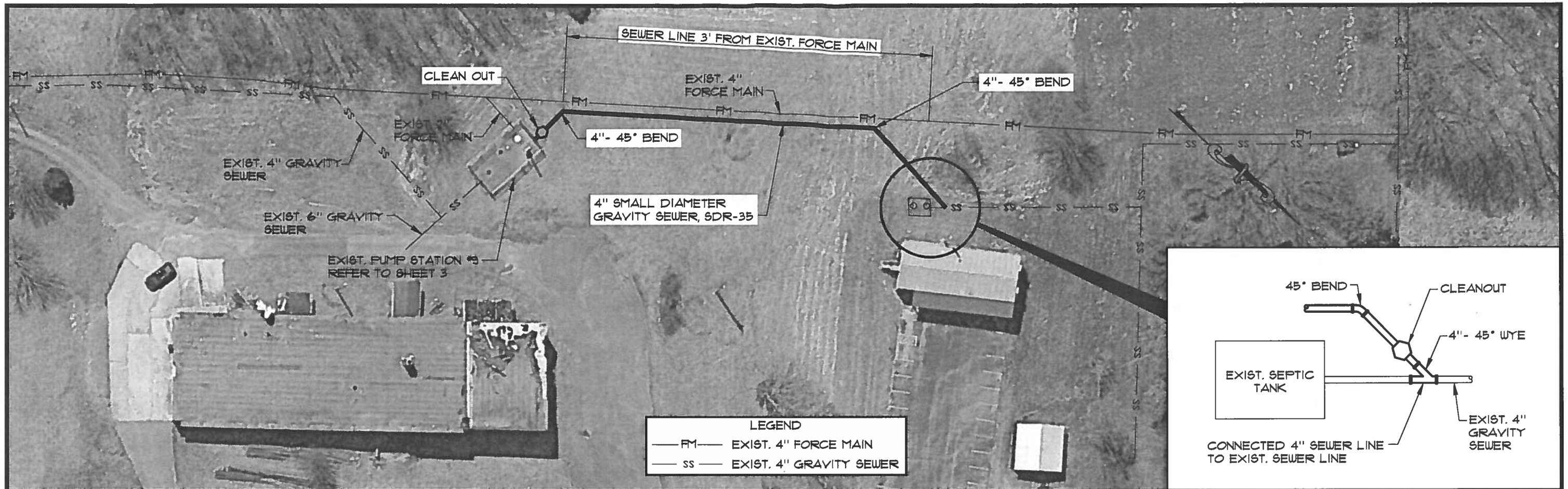
P:\engr\4166\CAD\Record Drawings\CONTRACT II\SANITARY SITE PLAN.dwg, 12/20/2016 7:55:08 AM, DWG To PDF.pc3



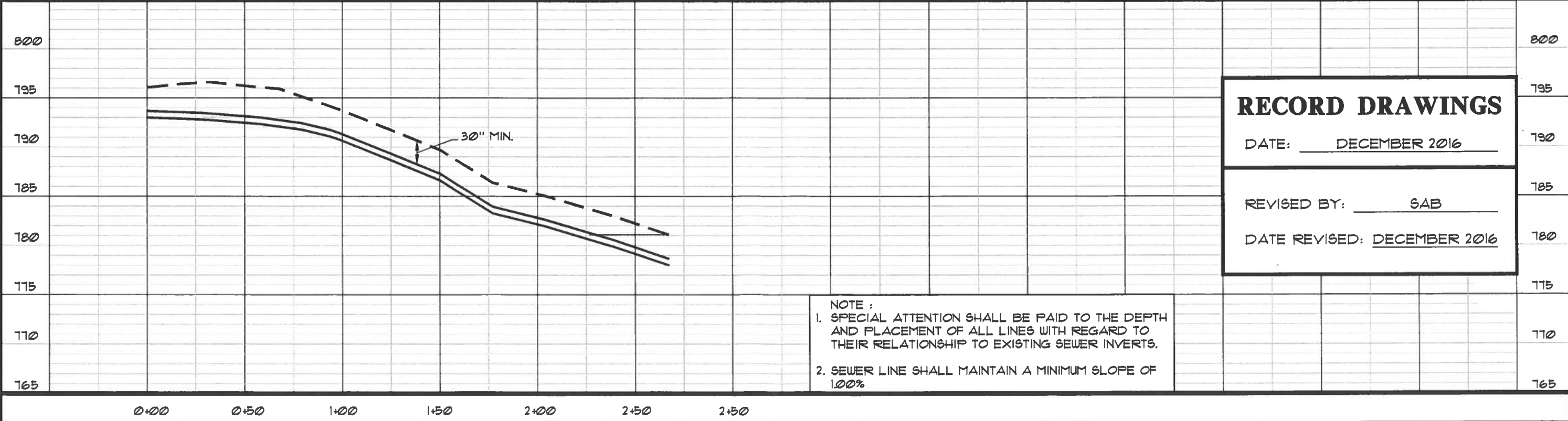
NOTE :
 1. SPECIAL ATTENTION SHALL BE PAID TO THE DEPTH AND PLACEMENT OF ALL LINES WITH REGARD TO THEIR RELATIONSHIP TO EXISTING SEWER INVERTS.
 2. SEWER LINE SHALL MAINTAIN A MINIMUM SLOPE OF 1.00%

RECORD DRAWINGS
 DATE: DECEMBER 2016
 REVISED BY: SAB
 DATE REVISED: DECEMBER 2016

				PROJECT: 4166.00 DATE: NOV. 2015 SCALE: HORT. 1"=50' VERT. 1"=10'			3 HMB CIRCLE FRANKFORT, KENTUCKY (502) 695-9800 (502) 695-9810 FAX	SANITARY SEWER IMPROVEMENTS PROJECT FOUNTAIN RUN WATER DISTRICT No. 1 MONROE COUNTY, KENTUCKY CONTRACT II - SMALL DIAMETER GRAVITY SEWER		SHEET 1
				DESIGNED BY: JDR DRAWN BY: SAB CHECKED BY: JDR						
				RECORDED BY: JDR						
NO.	DATE	REVISIONS	CHK'D	APPR'D	DATE	RECORD DUGS.				



LEGEND
 — FM — EXIST. 4" FORCE MAIN
 — SS — EXIST. 4" GRAVITY SEWER

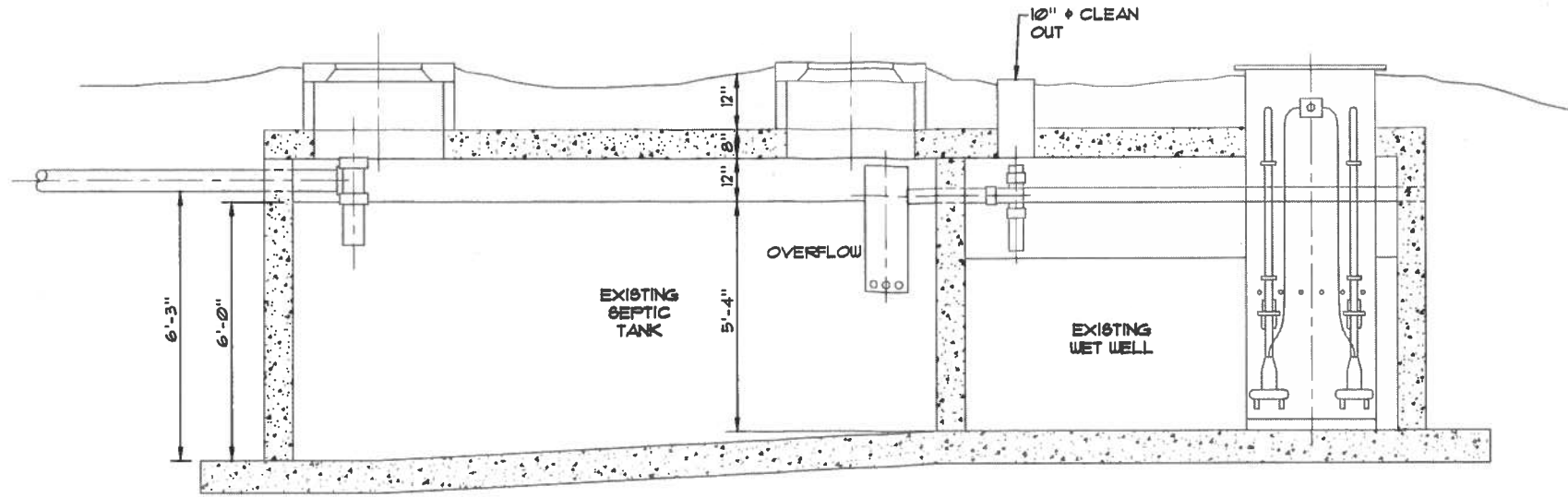


RECORD DRAWINGS
 DATE: DECEMBER 2016
 REVISED BY: SAB
 DATE REVISED: DECEMBER 2016

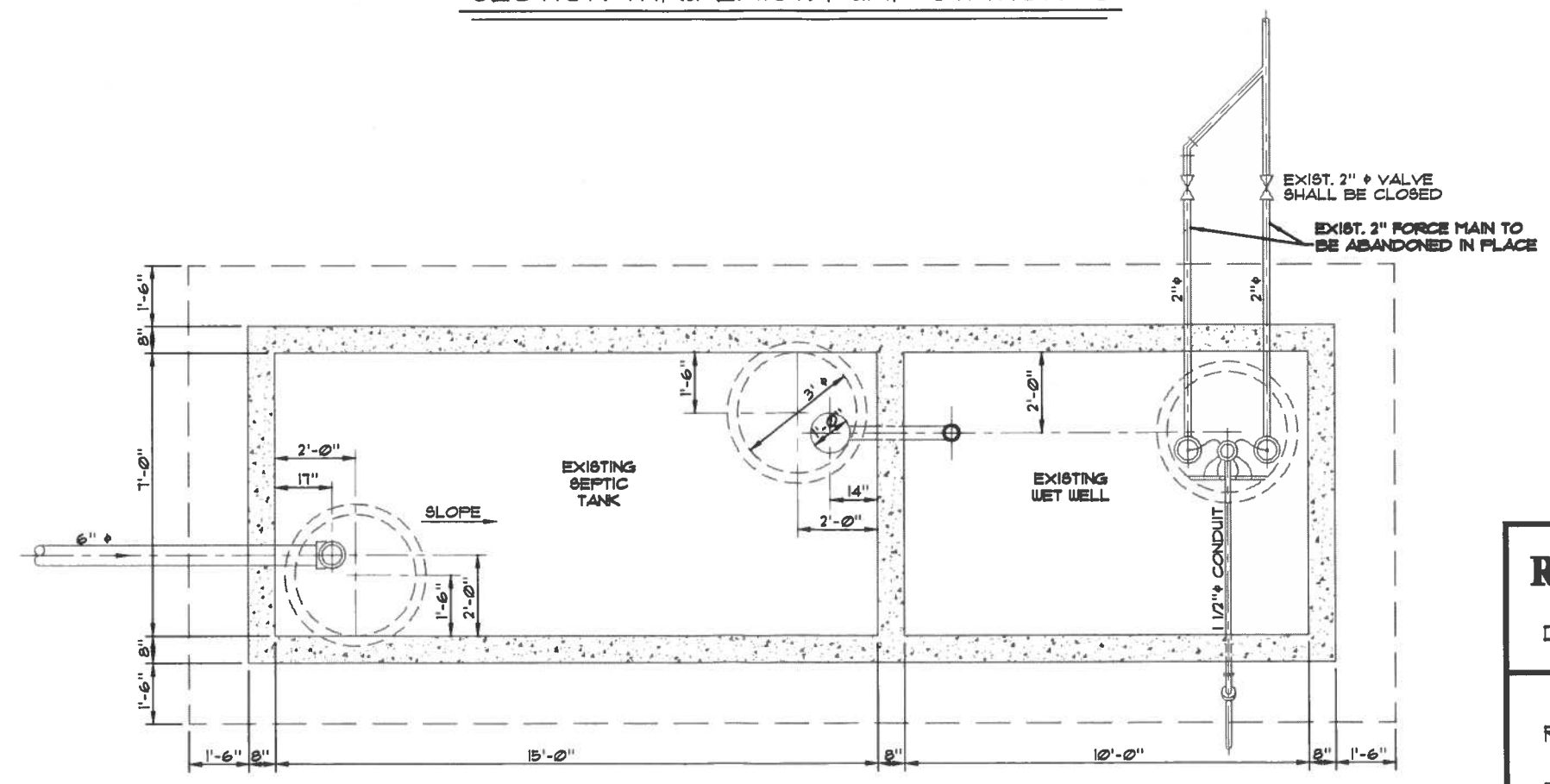
NOTE :
 1. SPECIAL ATTENTION SHALL BE PAID TO THE DEPTH AND PLACEMENT OF ALL LINES WITH REGARD TO THEIR RELATIONSHIP TO EXISTING SEWER INVERTS.
 2. SEWER LINE SHALL MAINTAIN A MINIMUM SLOPE OF 1.00%

		PROJECT: 4166.00 DATE: NOV. 2015		 3 HMB CIRCLE FRANKFORT, KENTUCKY (502) 695-9800 (502) 695-9810 FAX		SANITARY SEWER IMPROVEMENTS PROJECT FOUNTAIN RUN WATER DISTRICT No. 1 MONROE COUNTY, KENTUCKY CONTRACT II - SMALL DIAMETER GRAVITY SEWER AKERSVILLE ROAD		SHEET 2										
		SCALE: HORT. 1"=50'																
		VERT. 1"=5'																
		<table border="1"> <tr><th>DESIGNED BY</th><th>NAME</th><th>DATE</th></tr> <tr><td>JDR</td><td></td><td></td></tr> <tr><th>DRAWN BY</th><td>SAB</td><td></td></tr> <tr><th>CHECKED BY</th><td>JDR</td><td></td></tr> <tr><th>RECORD DWGS.</th><td></td><td></td></tr> </table>							DESIGNED BY	NAME	DATE	JDR			DRAWN BY	SAB		CHECKED BY
DESIGNED BY	NAME	DATE																
JDR																		
DRAWN BY	SAB																	
CHECKED BY	JDR																	
RECORD DWGS.																		
NO.	DATE	REVISIONS	CHK'D	APPR'D	DATE													

P:\engr\m\4166\CAD\Record Drawings\CONTRACT II\SHEETS 3 & 4, CONTRACT II.dwg, 12/20/2016 9:29:48 AM, DWG To PDF.pc3



SECTION THRU EXIST. PUMP STATION #9



PLAN - EXIST. PUMP STATION #9

RECORD DRAWINGS
DATE: <u>DECEMBER 2016</u>
REVISED BY: <u>SAB</u>
DATE REVISED: <u>DECEMBER 2016</u>

NO.	DATE	REVISIONS	CHK'D	APPR'D	DATE

PROJECT: 4148.03	DATE: SEPT. 2014	
SCALE: 1/4" = 1'-0"		
DESIGNED BY	NAME	DATE
DRAWN BY	SAB	
CHECKED BY	RCB	
RECORD DUGS.		



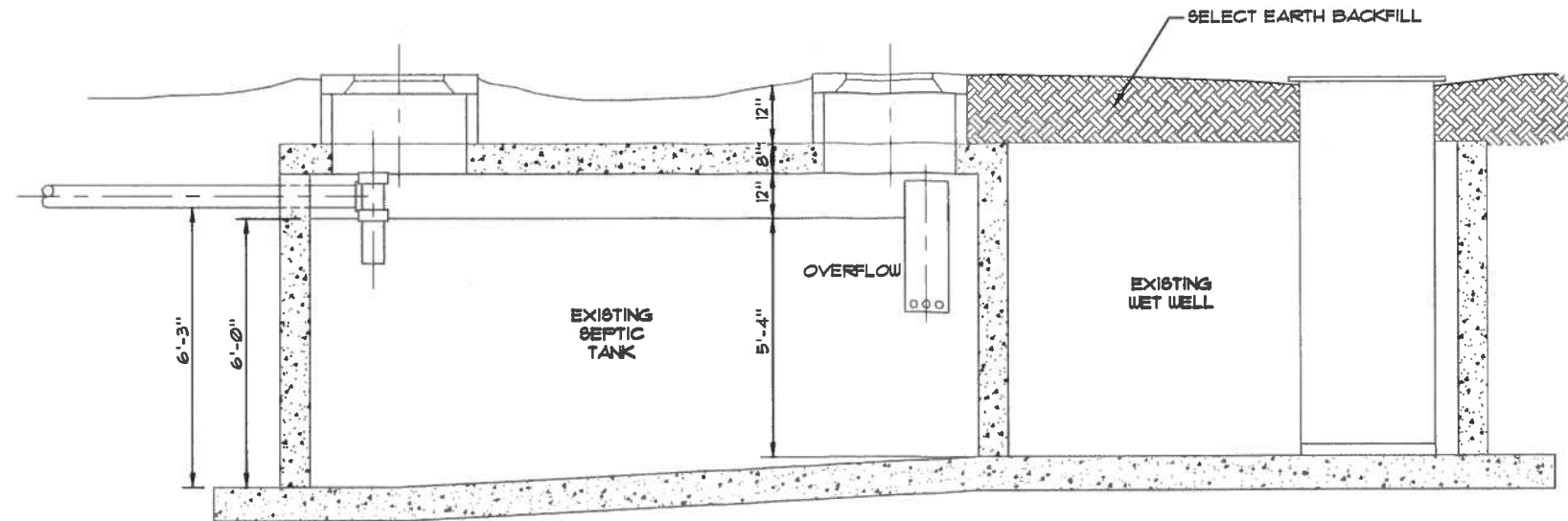
3 HMB CIRCLE
FRANKFORT, KENTUCKY
(502) 695-9800
(502) 695-9810 FAX

**SANITARY SEWER IMPROVEMENTS PROJECT
FOUNTAIN RUN WATER DISTRICT #1
MONROE COUNTY, KENTUCKY
CONTRACT II - SMALL DIAMETER GRAVITY SEWER**

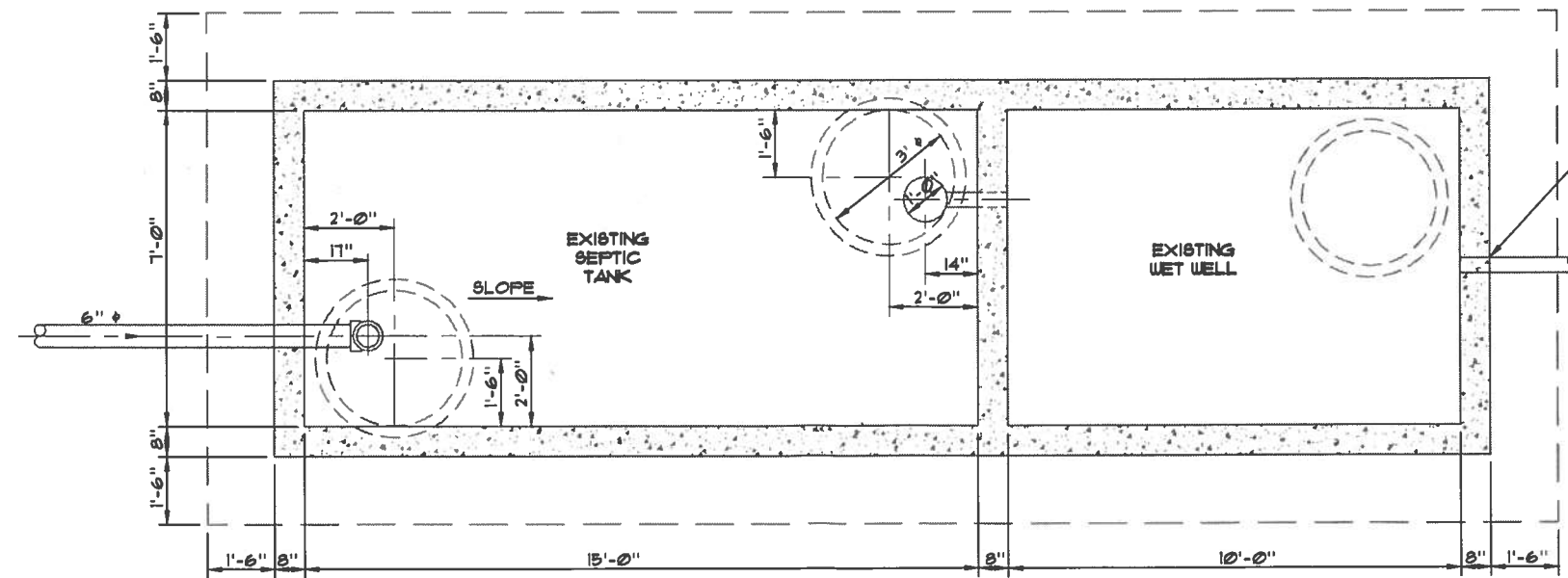
EXISTING PUMP STATION #9

SHEET
3

P:\engr\m\4166\CAD\Record Drawings\CONTRACT II\SHEETS 3 & 4, CONTRACT II.dwg, 12/20/2016 9:30:05 AM, DWG To PDF.pc3



SECTION THRU MODIFIED PUMP STATION #9



PLAN - MODIFIED PUMP STATION #9

CORE DRILL EXIST. CONCRETE WALL. FILL ANNULAR VOID SURROUNDING PIPE WITH NON-SHRINK GROUT TO ENSURE WATER TIGHT SEAL.

REFER TO SHEET 2

RECORD DRAWINGS

DATE: DECEMBER 2016

REVISED BY: SAB

DATE REVISED: DECEMBER 2016

NO.	DATE	REVISIONS	CHK'D	APPR'D	DATE

PROJECT: 4148.03	DATE: SEPT. 2014	
SCALE: 1/4" = 1'-0"		
DESIGNED BY	NAME	DATE
DRAWN BY	SAB	
CHECKED BY	RCB	
RECORD DUG.		



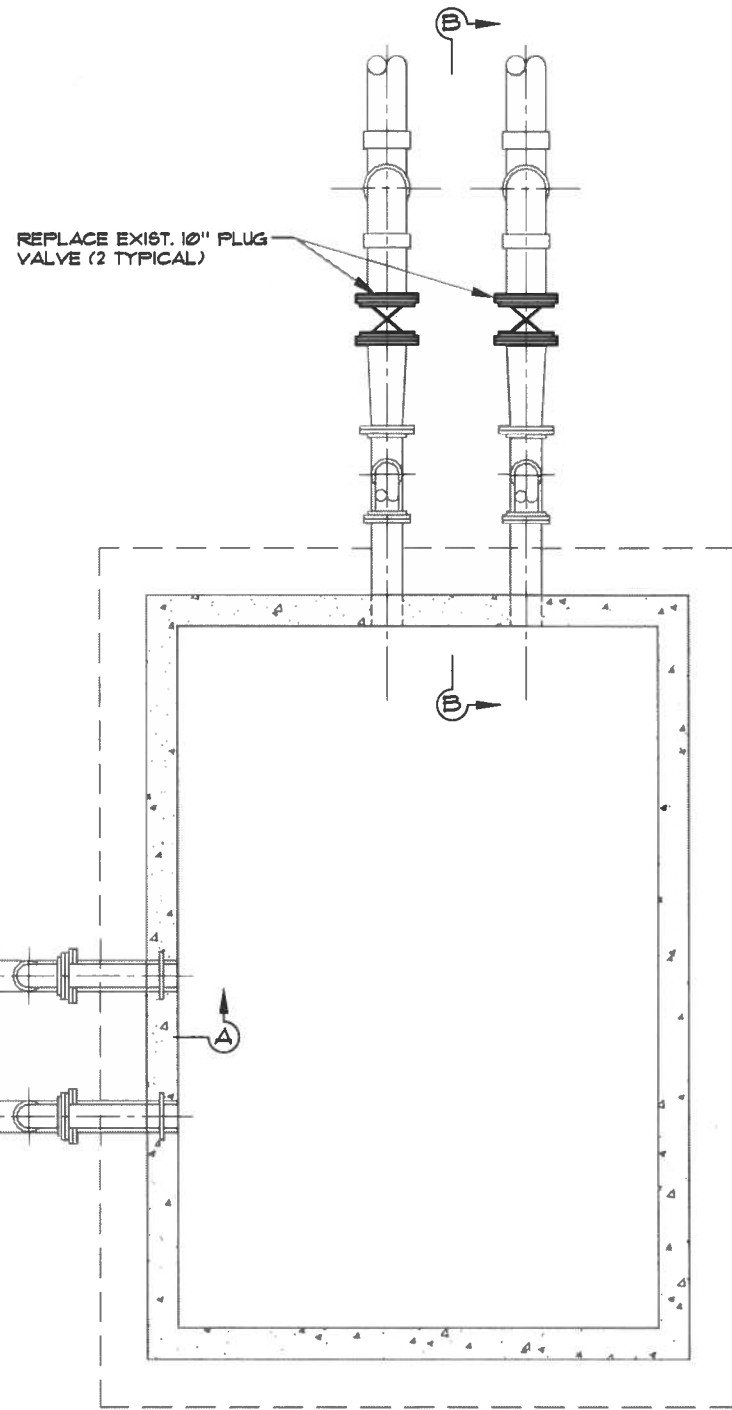
3 HMB CIRCLE
FRANKFORT, KENTUCKY
(502) 695-9800
(502) 695-9810 FAX

**SANITARY SEWER IMPROVEMENTS PROJECT
FOUNTAIN RUN WATER DISTRICT #1
MONROE COUNTY, KENTUCKY
CONTRACT II - SMALL DIAMETER GRAVITY SEWER**

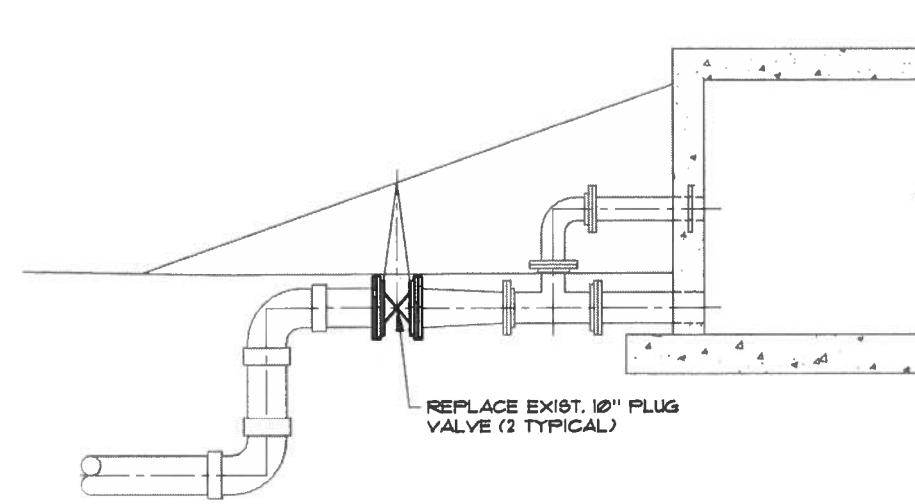
EXISTING PUMP STATION #9 MODIFICATIONS

SHEET
4

P:\engr\env\166\CAD\Record Drawings\CONTRACT II\SHEET 5 SIPHON #1 CONTRACT II.dwg, 12/20/2016 9:37:56 AM, DWG To PDF.pc3

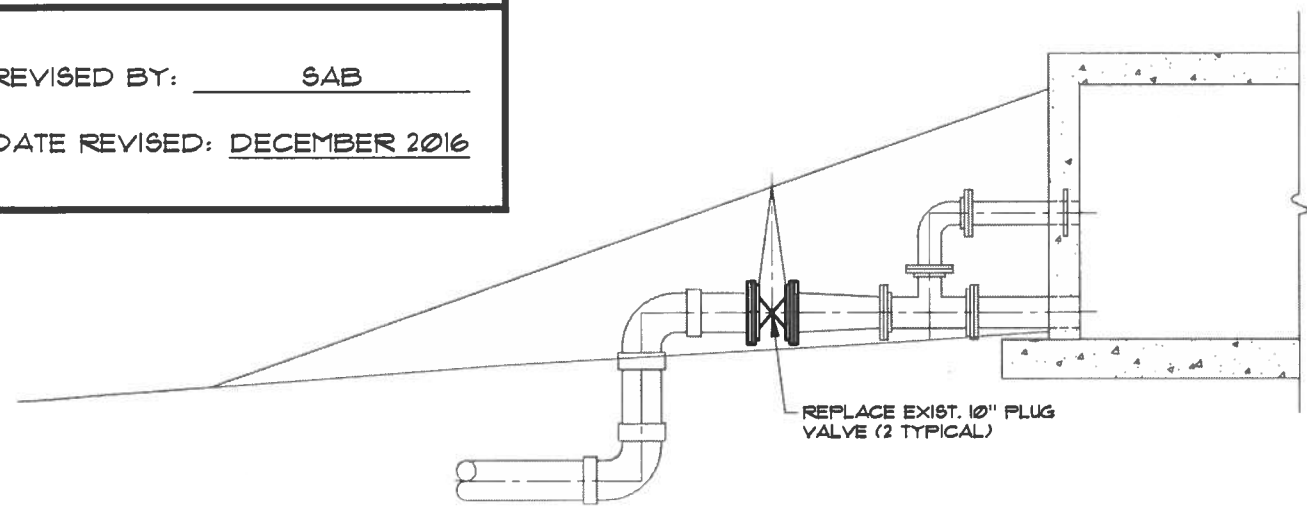


SIPHON #1 PLAN



SECTION A-A

RECORD DRAWINGS
 DATE: DECEMBER 2016
 REVISED BY: SAB
 DATE REVISED: DECEMBER 2016



SECTION B-B

NO.	DATE	REVISIONS	CHK'D	APPR'D	DATE

PROJECT: 4166.00 DATE: MAR 2016		
SCALE: 1/4" = 1'-0"		
DESIGNED BY	NAME	DATE
DRAWN BY	SAB	
CHECKED BY	JDR	
RECORD DUGS.		



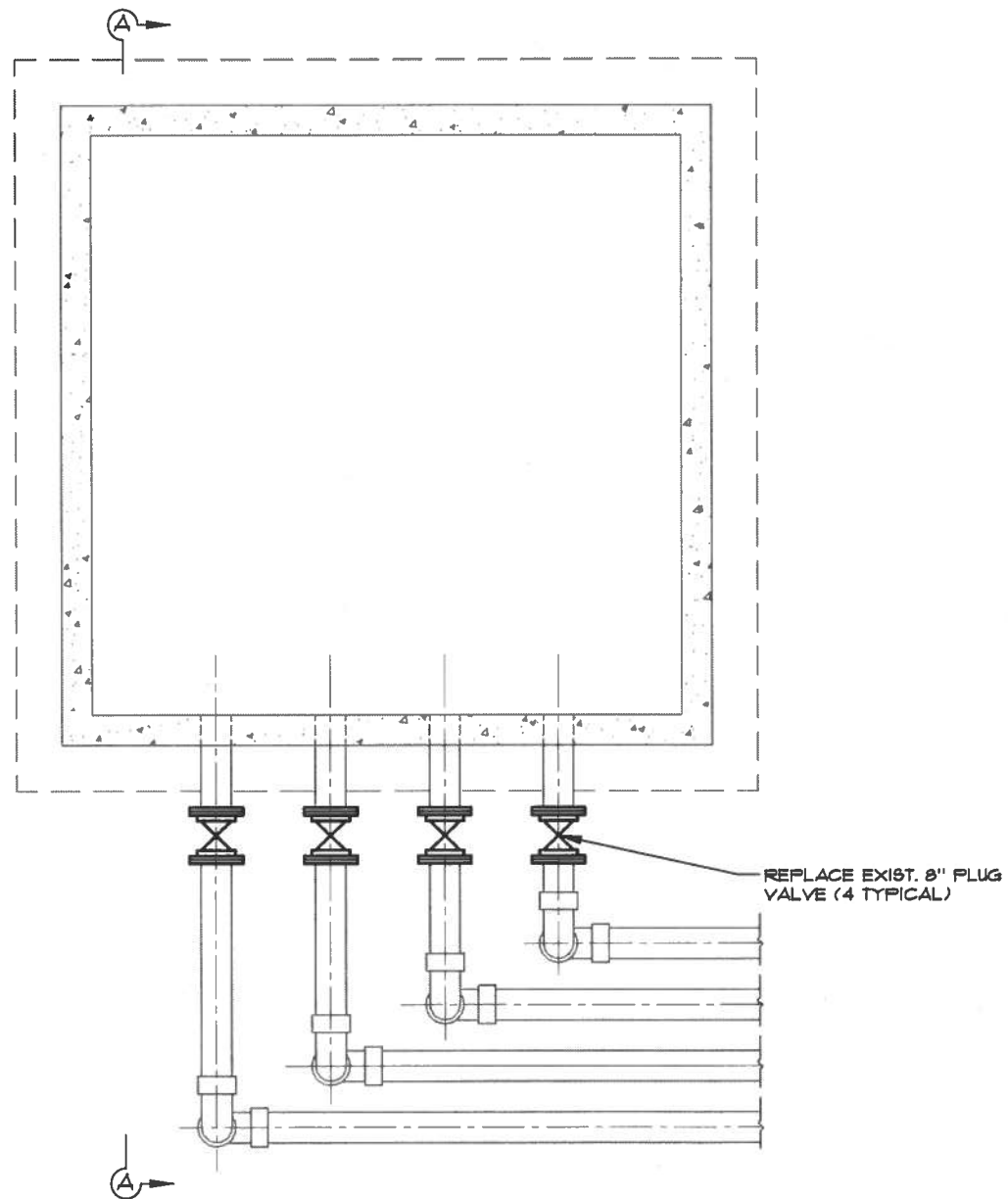
3 HMB CIRCLE
 FRANKFORT, KENTUCKY
 (502) 695-9800
 (502) 695-9810 FAX

**SANITARY SEWER IMPROVEMENTS PROJECT
 FOUNTAIN RUN WATER DISTRICT #1
 MONROE COUNTY, KENTUCKY
 CONTRACT II - SMALL DIAMETER GRAVITY SEWER**

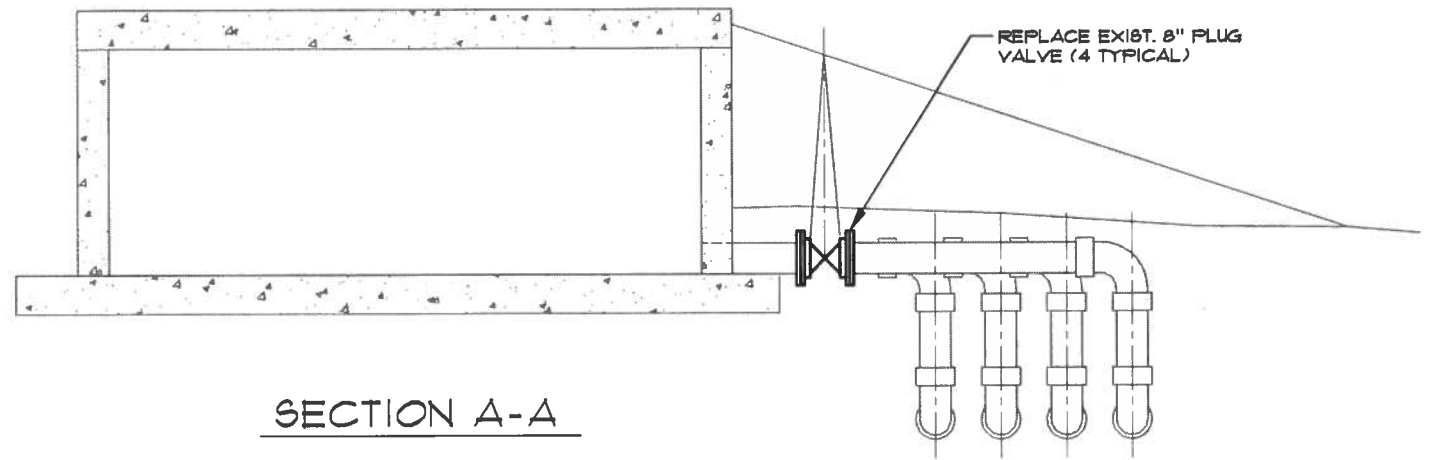
SIPHON #1

SHEET
 5

P:\engr\4166\CAD\Record Drawings\CONTRACT II\SHEET 6 SIPHON #3 CONTRACT II.dwg, 12/20/2016 9:44:45 AM, DWG To PDF.pc3



SIPHON #3 PLAN



SECTION A-A

RECORD DRAWINGS	
DATE:	DECEMBER 2016
REVISED BY:	SAB
DATE REVISED:	DECEMBER 2016

NO.	DATE	REVISIONS	CHK'D	APPR'D	DATE

PROJECT: 4166-00 DATE: MAR 2016		
SCALE: 1/4" = 1'-0"		
DESIGNED BY	NAME	DATE
DRAWN BY	SAB	
CHECKED BY	JDR	
RECORD DUGS.		



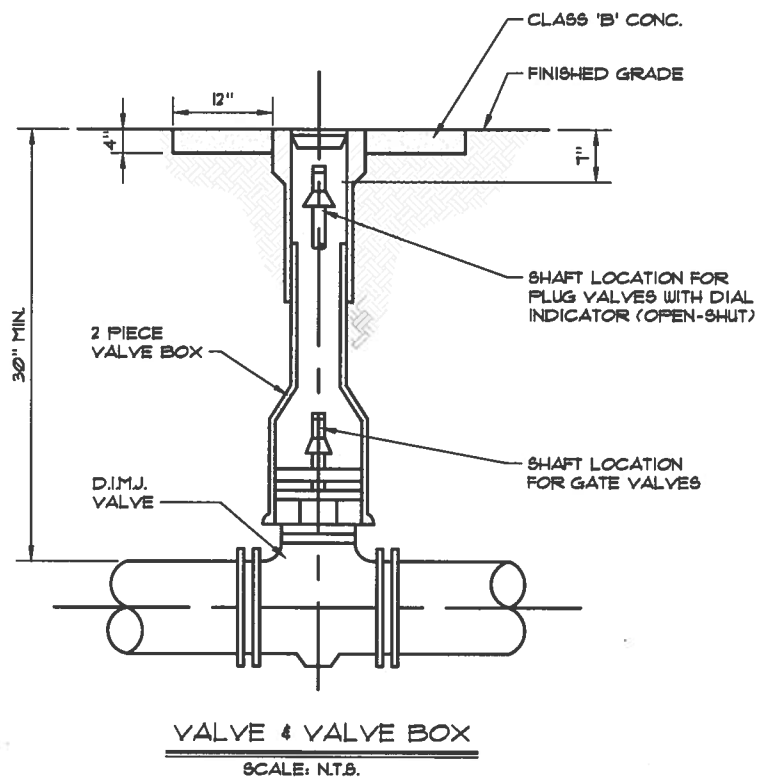
3 HMB CIRCLE
FRANKFORT, KENTUCKY
(502) 695-9800
(502) 695-9810 FAX

**SANITARY SEWER IMPROVEMENTS PROJECT
FOUNTAIN RUN WATER DISTRICT #1
MONROE COUNTY, KENTUCKY
CONTRACT II - SMALL DIAMETER GRAVITY SEWER**

SIPHON #3

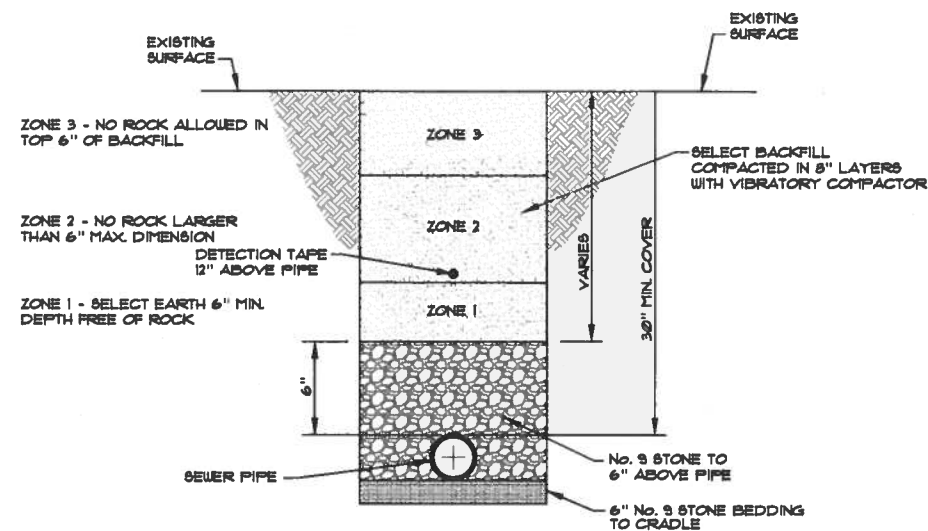
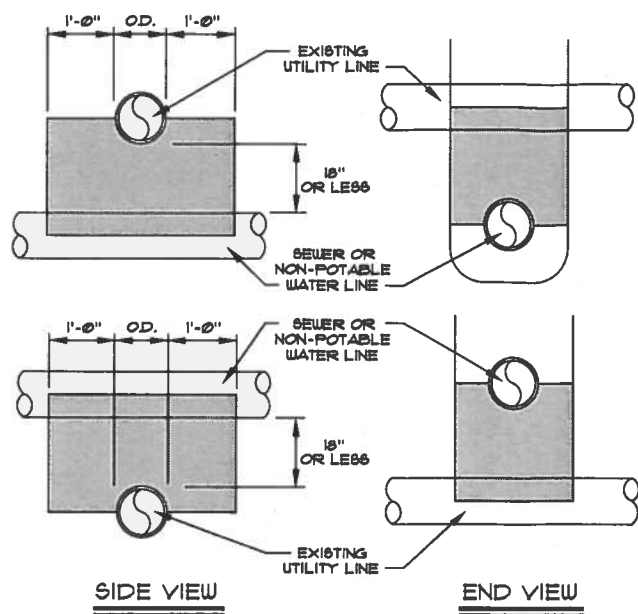
SHEET
6

P:\engrenv\4166\CAD\Record Drawings\CONTRACT II\SD1-CONTRACT II.dwg, 12/20/2016 9:49:20 AM, DWG To PDF.pc3



NOTES :

1. CONCRETE ENCASMENT SHALL BE USED WHEN CLEARANCE BETWEEN SEWER OR NON-POTABLE WATER LINE AND UTILITY LINE IS 18" OR LESS.
2. WHEN ENCOUNTERING UTILITY LINE WITH SEPARATION LESS THAN 18" VERTICAL OR 10'-0" HORIZONTAL, CONCRETE ENCASMENT SHALL BE USED. FULL SECTION OF SEWER OR NON-POTABLE WATER LINE SHALL BE CENTERED UNDER UTILITY LINE TO ACHIEVE MAXIMUM JOINT DISPLACEMENT.
3. CONCRETE ENCASMENT IS NOT A SEPARATE PAY ITEM.



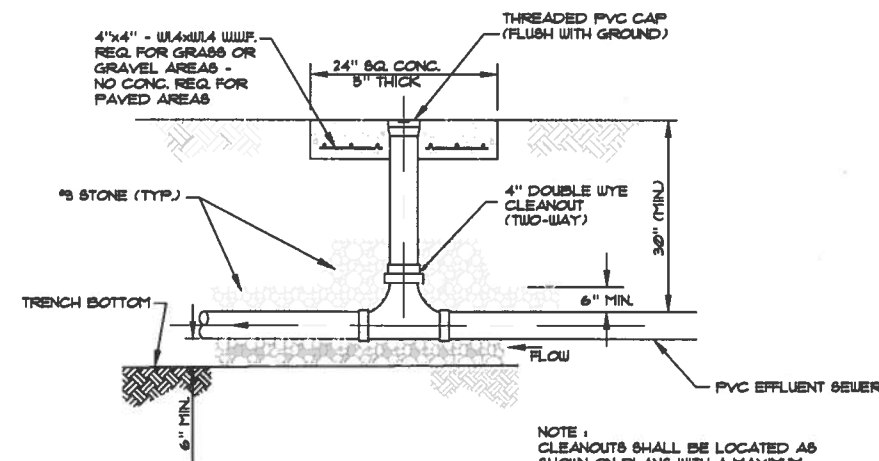
- NOTES :**
1. THIS DETAIL APPLIES IN GRASS AREAS. THE WORK REQUIRED BY THIS DETAIL IS INCIDENTAL TO THE SEWER PIPE.
 2. ELECTRONIC MARKER SYSTEM (EMS) FULL-RANGE MARKERS SHALL BE INSTALLED AT ALL BENDS, TEES, FITTINGS AND WHERE DIRECTED BY THE OWNER/ENGINEER.

RECORD DRAWINGS

DATE: DECEMBER 2016

REVISED BY: SAB

DATE REVISED: DECEMBER 2016



NOTE: CLEANOUTS SHALL BE LOCATED AS SHOWN ON PLANS WITH A MAXIMUM SEPARATION OF 350'.

NO.	DATE	REVISIONS	CHK'D	APPR'D	DATE

PROJECT: 4166-00 DATE: DEC. 2016		
SCALE: N.T.S.		
DESIGNED BY	JDR	NAME
DRAWN BY	SAB	DATE
CHECKED BY	JDR	
RECORD DRGS.		



3 HMB CIRCLE
FRANKFORT, KENTUCKY
(502) 695-3800
(502) 695-3810 FAX

**SANITARY SEWER IMPROVEMENTS PROJECT
FOUNTAIN RUN WATER DISTRICT #1
MONROE COUNTY, KENTUCKY
CONTRACT II - SMALL DIAMETER GRAVITY SEWER**

STANDARD SANITARY SEWER DETAILS

SHEET
SDI
REVISED