

3 HMB Circle US 460 Frankfort, KY 40601 Office: (502) 695-9800 Fax: (502) 695-9810 June 7, 2012

Linda Faulkner, Director of Filing Public Service Commission 211 Sower Blvd Frankfort, KY 40602

RE: Case No. 2009-00201 Fountain Run Water District HMB #4124.01

Dear Ms. Faulkner:

This letter is to certify that the above referenced project which included approximately 13,500 l.f. of water, a 200,000 gallon elevated tank, a booster pump station, a SCADA system and a master meter was completed in accordance to the contract plans and specifications.

Please find a copy of the record drawings for Contract I and Contract II.

If you have any questions, please call.

Sincerely,

HMB Professional Engineering, Inc.

Jeff Reynolds, P.E.

cc: Fountain Run Water District

RECEIVED

JUN - 8 2012 PUBLIC SERVICE COMMISSION

Highway Engineering

Structural Engineering

Water & Wastewater

Site Development

Right-of-Way

Master Planning

Environmental Planning

Surveying

Project Management

Cost Estimation

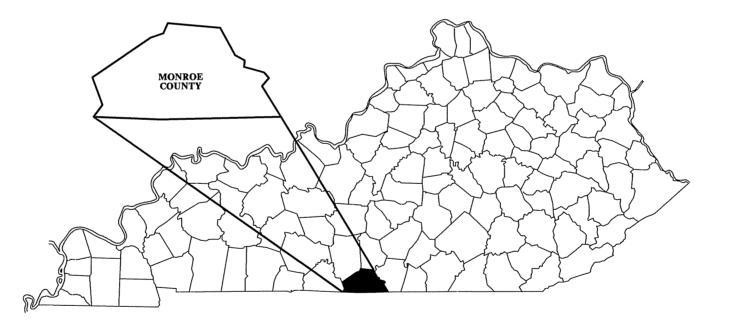
Construction Inspection

Aviation Services

Environmental Remediation

Landscape Architecture

WATER SYSTEM IMPROVEMENTS KY 100 WATER LINE UPGRADE FOUNTAIN RUN WATER DISTRICT No. 1 MONROE COUNTY, KENTUCKY



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JUN - 8 2012

PUBLIC SERVICE

NOVEMBER 2010

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

RECEIVED

JUN 08 2012

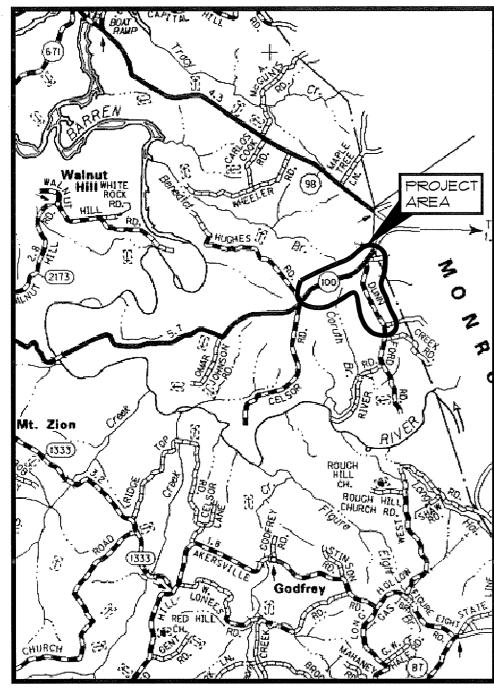
PUBLIC SERVICE COMMISSION

2009-00201

RECORD DRAWING INFORMATION PROVIDED BY OWNER REPRESENTATIVE. HMB PROFESSIONAL ENGINEERS, INC. MAKES NO GUARANTEE TO THEIR ACCURACY.



(502)695-9800 Fax (502)695-9810



VICINITY MAP SCALE: NTS

RECORD DRAWING INFORMATION PROVIDED BY OWNER REPRESENTATIVE. HMB PROFESSIONAL ENGINEERS, INC. MAKES NO GUARANTEE TO THEIR ACCURACY.

GENERAL NOTES:

UNLESS OTHERWISE NOTED, A SEPARATE BID ITEM HAS NOT BEEN ESTABLISHED FOR FITTINGS. THE FITTINGS INVOLVED, BUT NOT LIMITED TO, TEES, BENDS, PLUGS, REDUCERS, SADDLES, CROSSES COUPLINGS, ETC. CONTRACTOR SHALL INCLUDE THE COST OF THESE ITEMS IN THE UNIT PRICE FOR THE PIPE.

NO SEPARATE PAY ITEM HAS BEEN ESTABLISHED FOR CONNECTION TO EXISTING LINES. THE COST FOR CONNECTING TO EXISTING LINES SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PIPE.

NO PAY ITEM FOR EXTRA TRENCH DEPTH HAS BEEN SET UP. CONTRACTOR SHALL INCLUDE THE COST OF THE ADDITIONAL DEPTH IN HIS UNIT PRICE WHEN THE WATER PIPE CROSSES UNDER AN EXISTING UTILITY, CULVERT OR DRAINAGE DITCH.

FINAL LOCATION OF SERVICES, GATE VALVES AND OTHER APPURTENANCES ARE TO BE FIELD LOCATED DURING CONSTRUCTION AND APPROVED BY THE ENGINEER.

EXISTING UTILITIES, ESPECIALLY GAS LINES AND OIL LINES, MAY BE CATHODICALLY PROTECTED, THEREFORE, DUCTILE IRON PIPE, FITTINGS GATE VALVES, AND/OR BOXES LAID WITHIN 100' OF THESE LINES WITH CATHODIC PROTECTION SHALL MEET THE REQUIREMENTS OF AWWA C-105, LATEST REVISION. A SEPARATE PAY ITEM HAS NOT BEEN ESTABLISHED. ALL COSTS FOR LABOR AND MATERIALS MUST BE INCLUDED IN THE UNIT PRICE BID FOR PIPE.

ALL DAMAGE TO EXISTING UTILITIES CAUSED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OUNER

THE CONTRACTOR SHALL CONFINE ALL CONSTRUCTION ACTIVITY TO THE AREA WITHIN THE EXISTING EASEMENTS AND CONSTRUCTION LIMITS, UNLESS OTHERWISE APPROVED IN WRITING BY THE OWNER.

THE CONTRACTOR WILL BE SOLELY LIABLE FOR ANY WORK HE PERFORMS OUTSIDE OF LEGAL EASEMENTS OR CONSTRUCTION LIMITS.

IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO ASCERTAIN THE LOCATIONS OF ANY AND ALL UTILITIES ENCOUNTERED BY THE FINAL ALIGNMENT OF WATERLINE. 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. CONTRACTOR SHALL CONTACT REPRESENTATIVES OF LOCAL UTILITIES A MINIMUM OF 48 HOURS BEFORE COMMENCING WORK ON THE PROJECT.

ALL WATER MAINS SHALL BE PVC CLASS 200 SDR 21 UNLESS OTHERWISE NOTED ON THE PLANS.

AT THE CONTRACTORS OPTION, CLASS 350 DUCTILE IRON PIPE MAY BE SUBSTITUTED FOR ANY PIPE PARTICULARLY SPECIFIED, BUT AT NO ADDITIONAL COST TO THE OWNER.

PROVIDE 40" MINIMUM COVER FOR ALL WATER MAINS PLACED WITHIN UNPAVED COUNTY ROADS OR IN DITCH LINES.

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.

ALL PAVED AND CONCRETE SURFACES, INCLUDING DRIVEWAYS, CROSSED BY THE PROPOSED WATER MAINS SHALL BE BORED AND JACKED (UNCASED).

ALL TEES AND BENDS SHALL BE THRUST BLOCKED AS DETAILED ON THE THRUST BLOCK DETAIL SHEET. COST TO BE INCLUDED IN THE UNIT PRICE BID FOR PIPE.

						3 HMB CIRCLE		4
	 			NAME	DATE	FRANKFORT, KENTUCKY		
			DESIGNED BY	1 9 ₽		(502) 695-9800	ŀ	
			DRAWN BY	TSF		(502) 695-9810 FAX		1
			CHECKED BY	JDR		PROFESSIONAL ENGINEERS, INC		1
NO. DATE REVISIONS	APPR'D	DATE	RECORD DUGS.			ENGINEERS, INC.		L

ALL EXISTING WATER LINES THAT ARE TO BE ABANDONED SHALL BE PLUGGED WITH CONCRETE. ALL COSTS INCLUDING LABOR AND MATERIALS SHALL BE INCLUDED IN THE UNIT PRICE FOR PLUGGING EXISTING WATER LINES.

SEPTIC SYSTEMS NOTED WHERE PROPERTY OWNER NOTIFIED US. ALL MAY NOT BE SHOWN. CONTRACTOR TO USE CAUTION IN THESE AREAS, WATER MAIN TO BE ENCASED IN CONCRETE WHEN LAID WITHIN 10' OF DRAIN LINES OR FIELD. SEE DETAIL AND NOTE ON STANDARD DETAIL SHEET.

UNLESS OTHERWISE NOTED. A SEPARATE BID ITEM HAS NOT BEEN ESTABLISHED FOR CONNECTIONS TO EXISTING SYSTEM. CONTRACTOR SHALL INCLUDE COST OF CONNECTIONS TO EXISTING SYSTEM IN THE UNIT PRICE FOR THE PIPE.

THE CONTRACTOR SHALL BE REQUIRED TO CLEAN IMMEDIATELY AFTER INSTALLING WATER LINE WHERE MAIN IS TO BE LAID ON STATE RIGHT-OF-WAY.

THE FOLLOWING GENERAL NOTES ARE REQUIREMENTS OF THE COMMONWEALTH OF KENTUCKY TRANSPORTATION CABINET PERMIT ENGINEERS. THESE NOTES APPLY WHEN LAYING WATER LINE IN STATE RIGHT-OF-WAY:

ALL WATER LINES BEING PLACED ABOVE CROSS DRAINS NEED TO HAVE AT LEAST ONE (1) FOOT OF SOIL MATERIAL AS A CUSHION BETWEEN LINE AND THE CROSS DRAIN CULVERT. SEE UTILITY CROSSING DETAIL

ALL PROPOSED WATER LINES TO BE PLACED BEHIND ALL PRIVATE AND COMMERCIAL ENTRANCE CULVERTS.

ALL PROPOSED WATER LINES TO BE PLACED AT BACK OF DITCH LINE IN TIGHT AREAS.

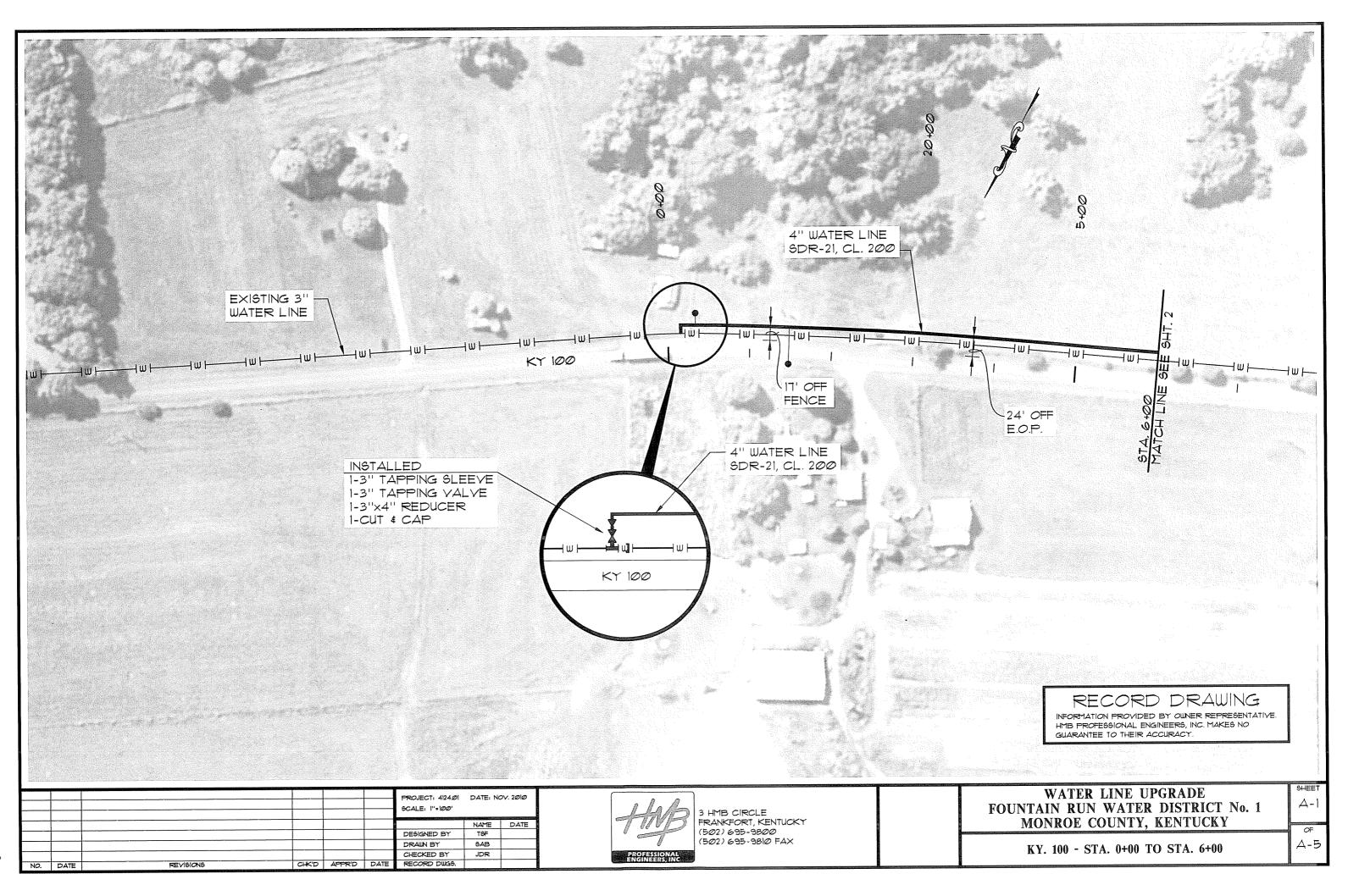
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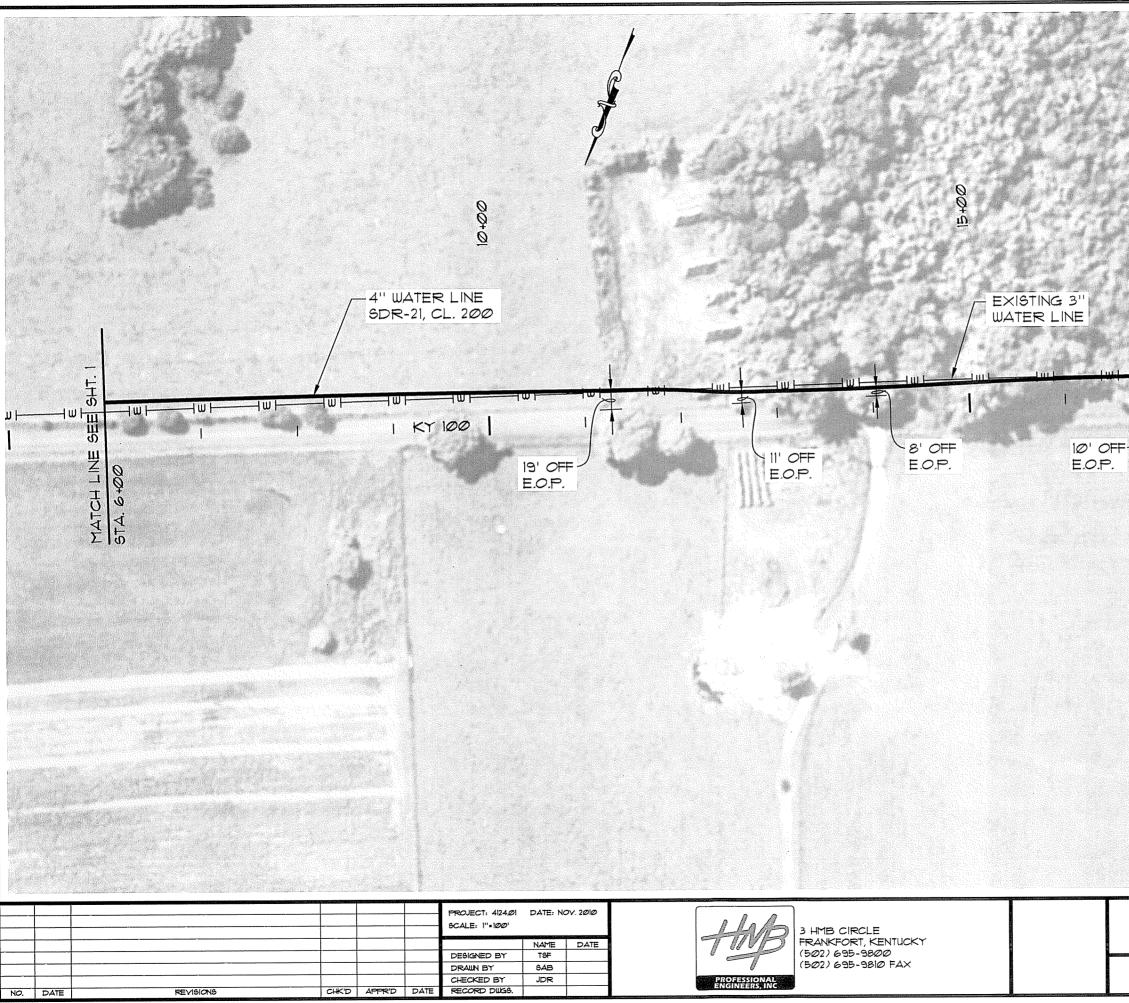
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PLUG

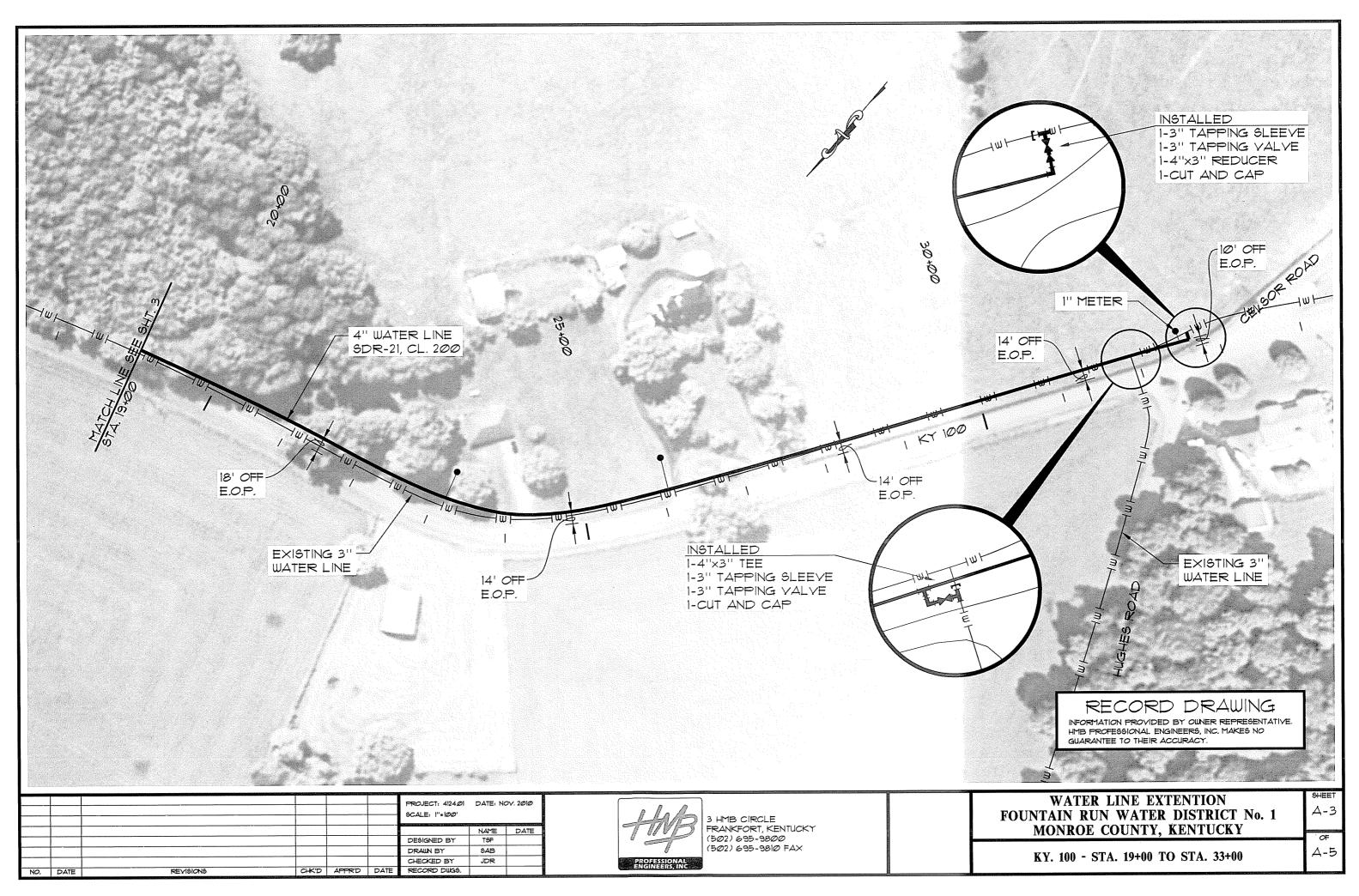
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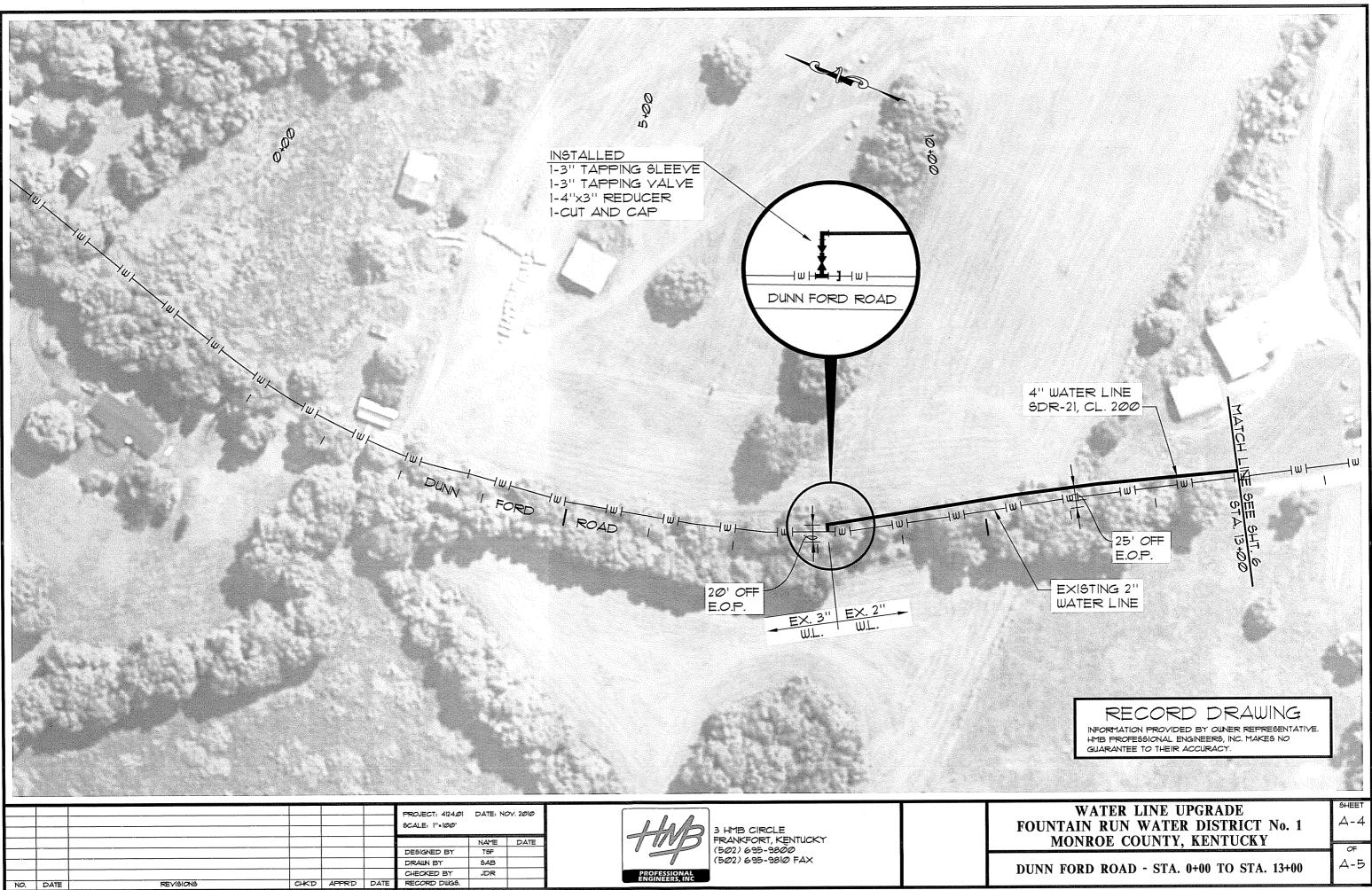
PROPOSED WATERLINE EXISTING WATERLINE PROPOSED BUTTERFLY VALVE EXISTING GATE OR BUTTERFLY VALVE AUTOMATIC AIR RELEASE VALVE FIRE HYDRANT PROPERTY LINE BLOWOFF ASSEMBLY EXISTING SANITARY SEWER -|ss|---------- 66 ------EXISTING GAS LINE -IGH--le-PVA MAP - PARCEL NUMBER \times - \times POWER POLE SHEE' WATER LINE UPGRADE GNI FOUNTAIN RUN WATER DISTRICT No. 1 **MONROE COUNTY, KENTUCKY** OF GNI **GENERAL NOTES/LEGEND/VICINITY MAP**



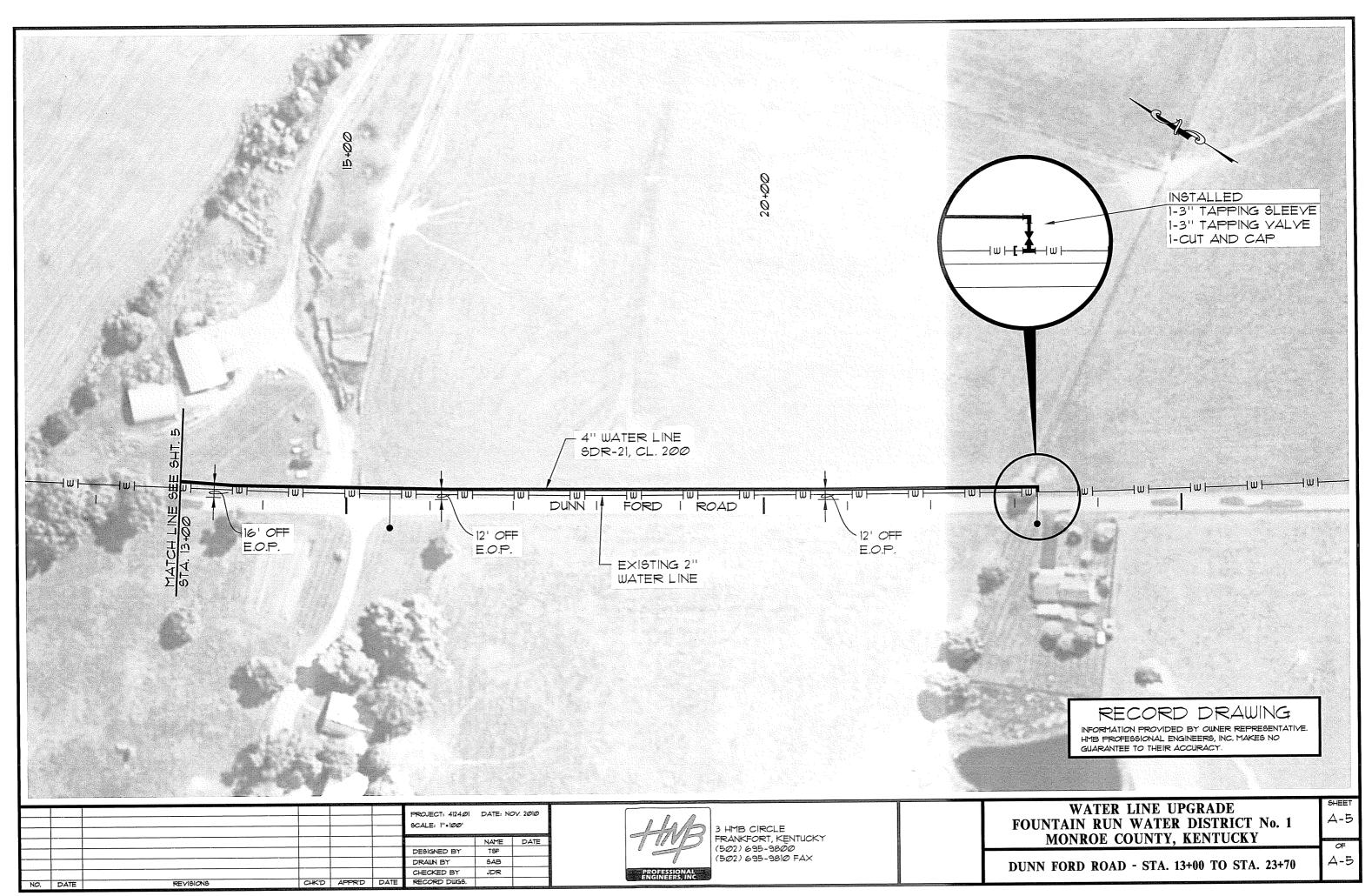


C) 9' OFF <u>674. 19</u>4 MATCH E.O.P. RECORD DRAWING INFORMATION PROVIDED BY OWNER REPRESENTATIVE. HMB PROFESSIONAL ENGINEERS, INC. MAKES NO GUARANTEE TO THEIR ACCURACY. SHEET WATER LINE UPGRADE A-2 FOUNTAIN RUN WATER DISTRICT No. 1 MONROE COUNTY, KENTUCKY ØF A-5 KY. 100 - STA. 6+00 TO STA. 19+00

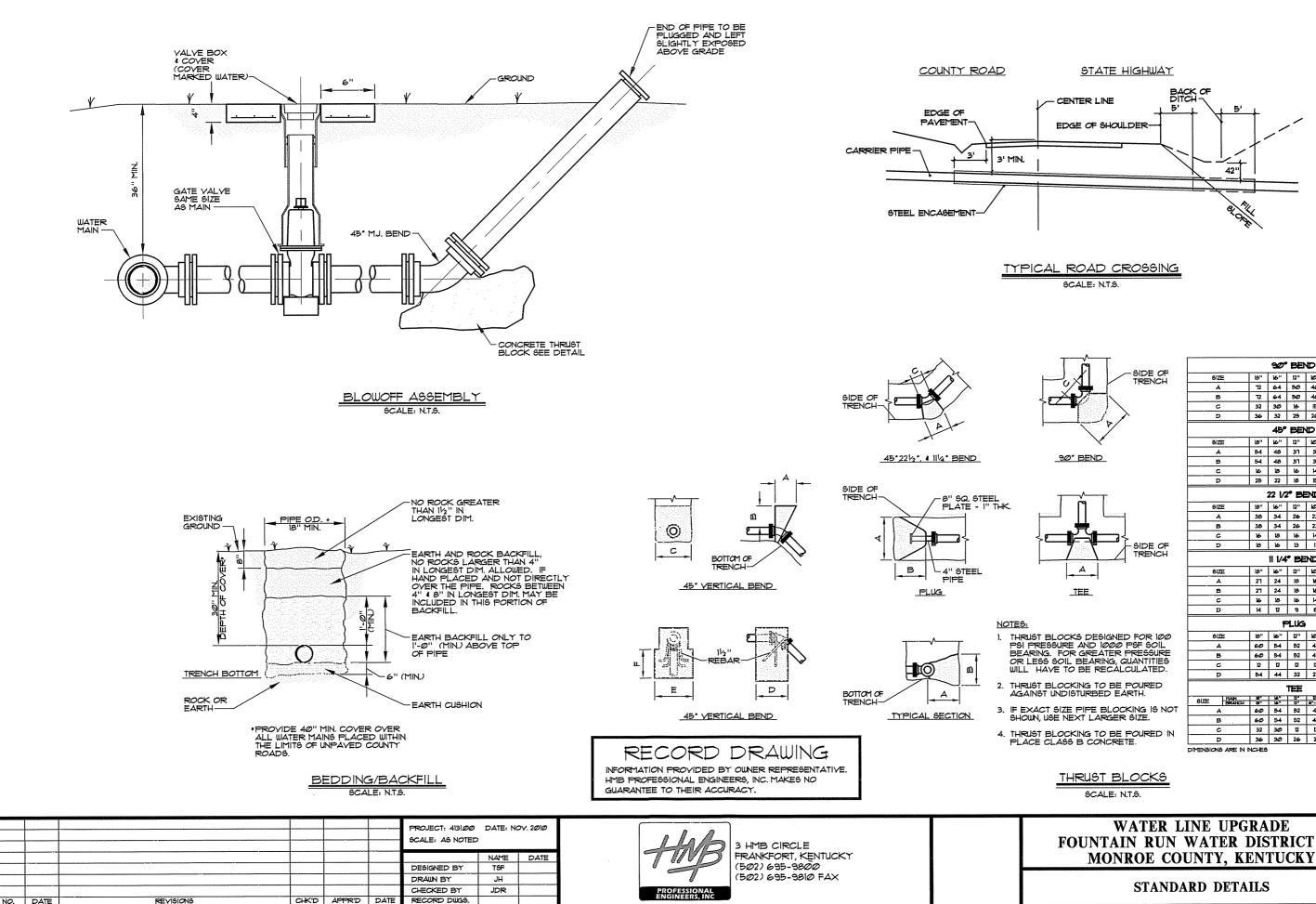




						SCALE: 1"=100	DATE: NO	
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						CHECKED BY	JDR	
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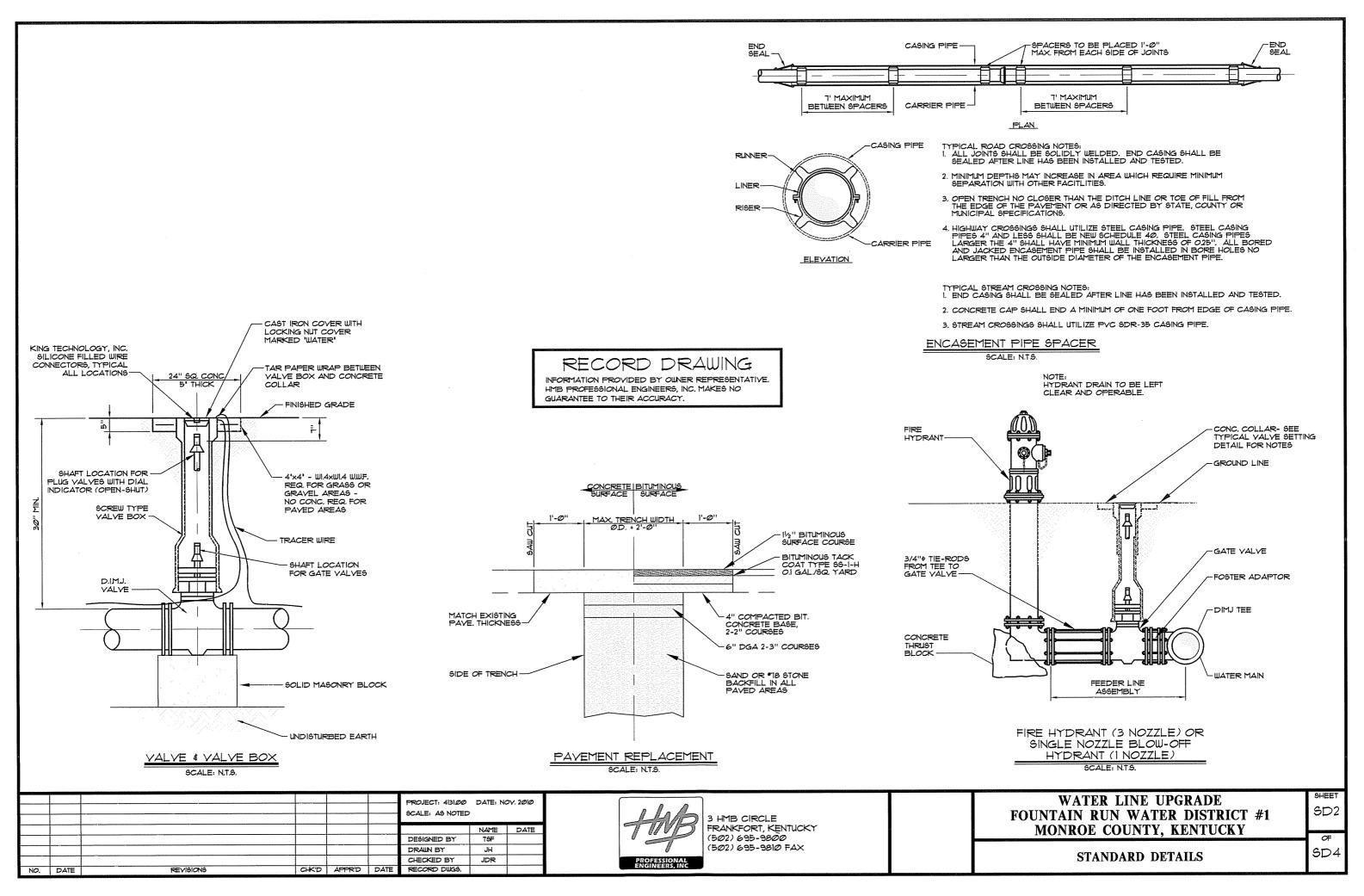


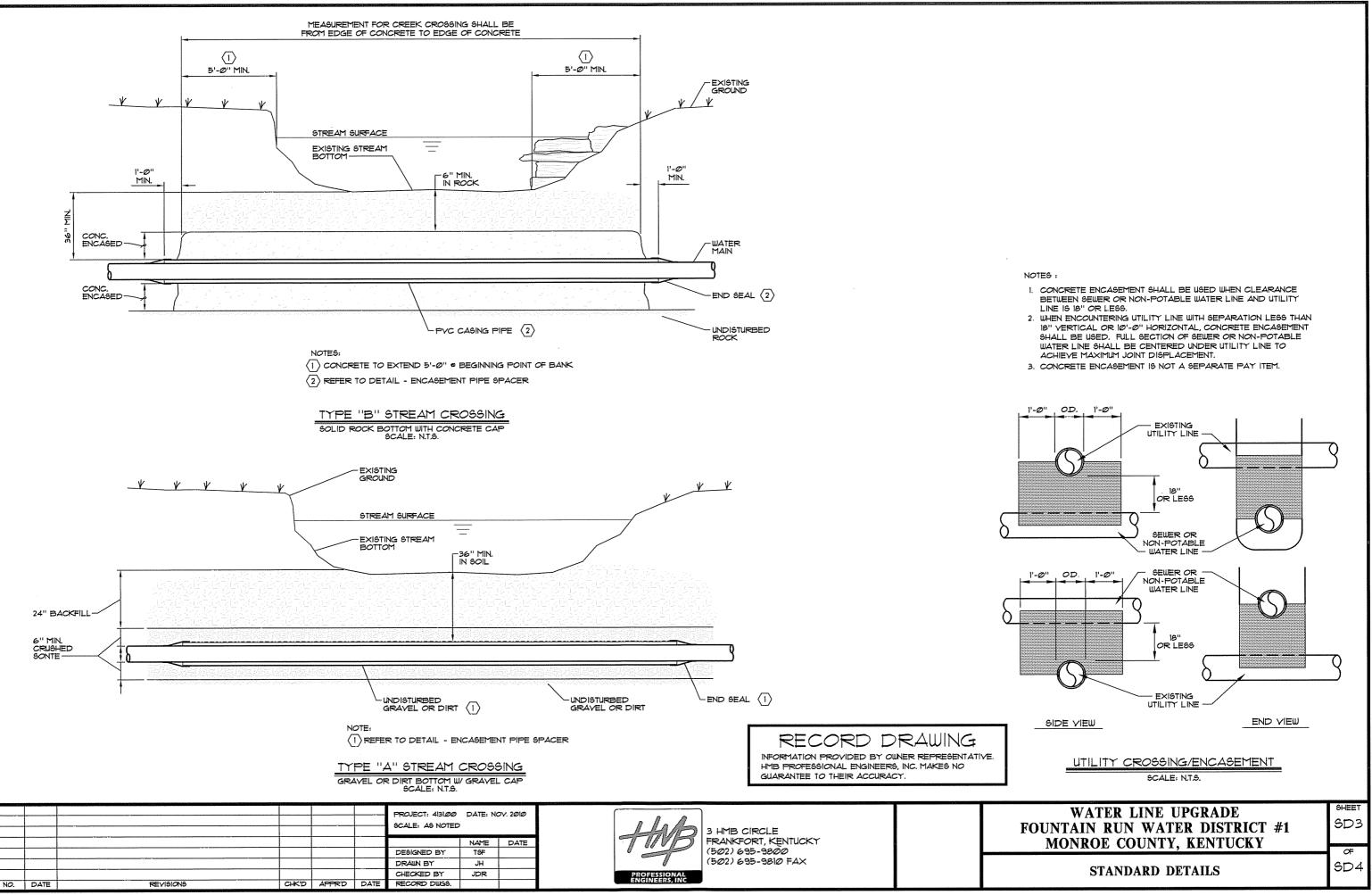
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в		54	48	37	31	24	18	12	12		
c		16	18	16	14	12	12	B	8		
D		2B	22	1B	B	12	9	6	6		
22 1/2° BEND											
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FOUNTAIN RUN WATER DISTRICT # 1 **MONROE COUNTY, KENTUCKY**

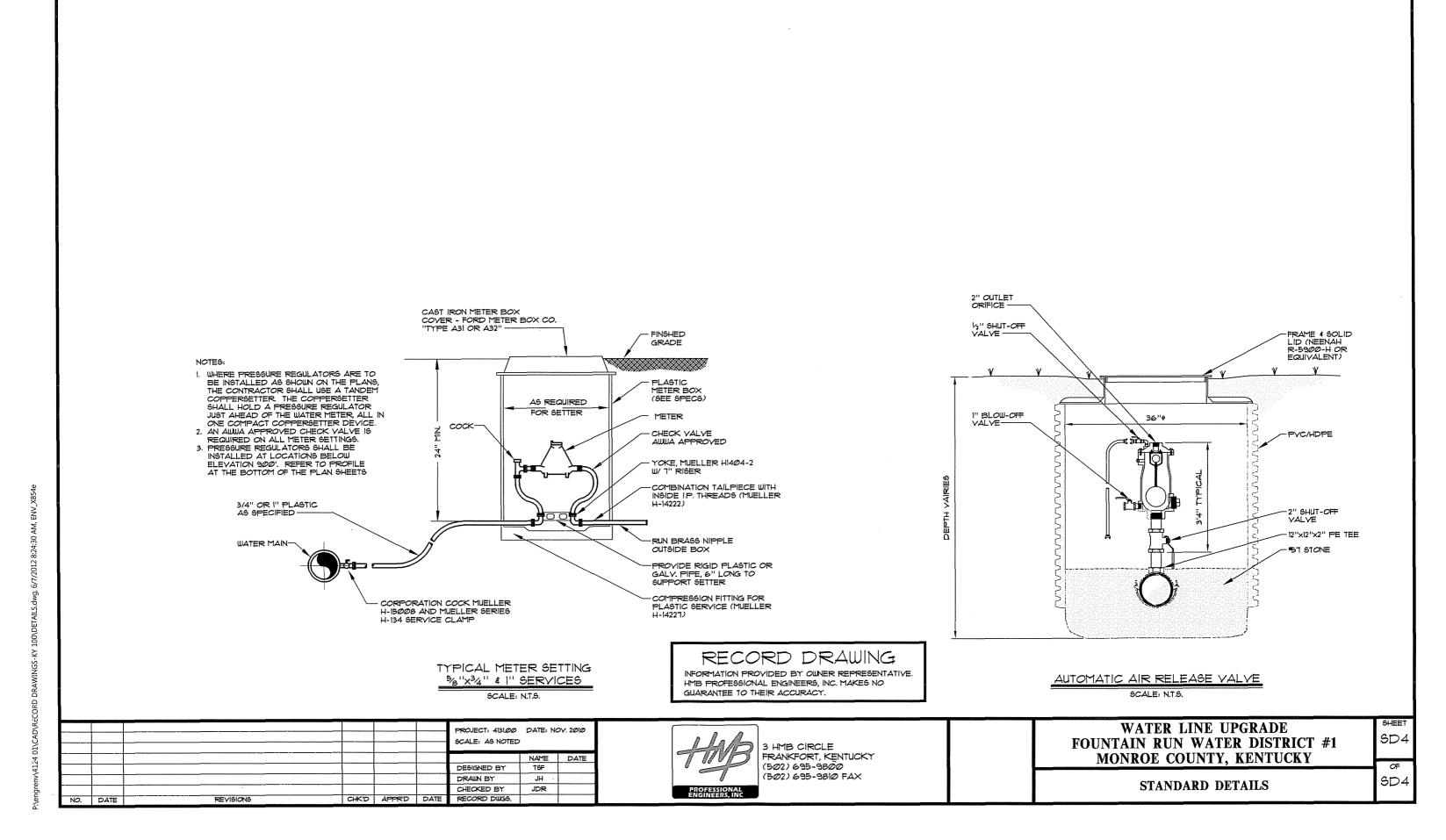
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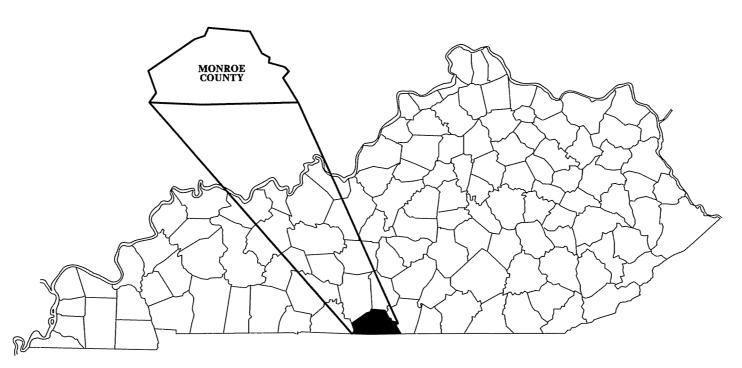




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WATER SYSTEM IMPROVEMENTS 200,000 GALLON ELEVATED TANK FOUNTAIN RUN WATER DISTRICT No. 1 CONTRACT II



JUNE 2010

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

2009-00201 RECEIVED

PUBLIC SERVICE COMMISSION

RECORD	DRAWINGS
DATE:	JUNE 2010
REVISED BY:	TGF
DATE REVISEI	D: JUNE 2010

Plans Prepared By:

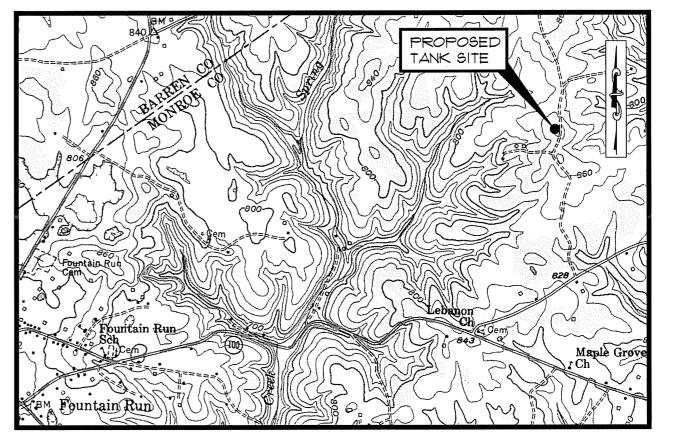


GENERAL NOTES:

- I. UNLESS OTHERWISE NOTED, A SEPARATE BID ITEM HAS NOT BEEN ESTABLISHED FOR FITTINGS. THE FITTINGS INVOLVED, BUT NOT LIMITED TO, TEES, BENDS, PLUGS, REDUCERS, SADDLES, CROSSES, COUPLINGS, ETC. CONTRACTOR SHALL INCLUDE THE COST OF THESE ITEMS IN THE UNIT PRICE FOR THE PIPE.
- 2. NO SEPARATE PAY ITEM HAS BEEN ESTABLISHED FOR CONNECTION TO EXISTING LINES. THE COST FOR CONNECTING TO EXISTING LINES SHALL BE INCLUDED IN THE LUMP SUM BID FOR THE TANK.
- 3. NO PAY ITEM FOR EXTRA TRENCH DEPTH HAG BEEN GET UP. CONTRACTOR SHALL INCLUDE THE COST OF THE ADDITIONAL DEPTH IN HIS UNIT PRICE WHEN THE WATER PIPE CROSSES UNDER AN EXISTING UTILITY, CULVERT OR DRAINAGE DITCH.
- 4. FINAL LOCATION OF SERVICES, GATE VALVES AND OTHER APPURTENANCES ARE TO BE FIELD LOCATED DURING CONSTRUCTION AND APPROVED BY THE ENGINEER.
- 5. EXISTING UTILITIES, ESPECIALLY GAS LINES AND OIL LINES, MAY BE CATHODICALLY PROTECTED. THEREFORE, DUCTILE IRON PIPE, FITTINGS GATE VALVES, AND/OR BOXES LAID WITHIN 100' OF THESE LINES WITH CATHODIC PROTECTION SHALL MEET THE REQUIREMENTS OF AWWA C-105. LATEST REVISION. A SEPARATE PAY ITEM HAS NOT BEEN ESTABLISHED. ALL COSTS FOR LABOR AND MATERIALS MUST BE INCLUDED IN THE UNIT PRICE BID FOR PIPE.
- 6. ALL DAMAGE TO EXISTING UTILITIES CAUSED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER.
- 7. ALL TEES AND BENDS SHALL BE THRUST BLOCKED AS DETAILED ON THE THRUST BLOCK DETAIL SHEET.
- 8. THE CONTRACTOR SHALL CONFINE ALL CONSTRUCTION ACTIVITY TO THE AREA WITHIN THE EXISTING EASEMENTS AND CONSTRUCTION LIMITS. UNLESS OTHERWISE APPROVED IN WRITING BY THE OWNER.
- 9. THE CONTRACTOR WILL BE GOLELY LIABLE FOR ANY WORK HE PERFORMS OUTSIDE OF LEGAL EASEMENTS OR CONSTRUCTION LIMITS.
- 10. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO ASCERTAIN THE LOCATIONS OF ANY AND ALL UTILITIES ENCOUNTERED BY THE FINAL ALIGNMENT OF WATERLINE. 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. CONTRACTOR SHALL CONTACT REPRESENTATIVES OF LOCAL UTILITIES A MINIMUM OF 48 HOURS BEFORE COMMENCING WORK ON THE PROJECT.
- 11. GRIP RING RESTRAINTS SHALL BE USED ON ALL M.J. FITTINGS

LEGEND:

PROPOSED WATERLINE	E han an analyzation of doctoon provide the sound of the
EXISTING WATERLINE	
PROPOSED BUTTERFLY VALVE	
EXISTING GATE OR BUTTERFLY VALVE	
AUTOMATIC AIR RELEASE VALVE	
FIRE HYDRANT	
PROPERTY LINE	
BLOWOFF ASSEMBLY	
STREAM	
EXISTING SANITARY SEWER	
EXISTING GAS LINE	G G
PLUG	
FENCE	××



TOPOGRAPHIC MAP

SCALE: NTS

						PROJECT: 4124@1	DATE N	~ 2000
							DAIE: NO	74.2000
						SCALE: AS NOTED		
							NAME	DATE
						DESIGNED BY	TSF	
						DRAWN BY	JH	
						CHECKED BY	JDR	
NO.	DATE	REVISIONS	CHK'D	APPR'D	DATE	RECORD DUGS.		



TABLE OF CONTENTS

SHT. 1 - TANK SITE SURVEY

SHT. 2 - WATER STORAGE TANK ELEVATION & SITE PLAN

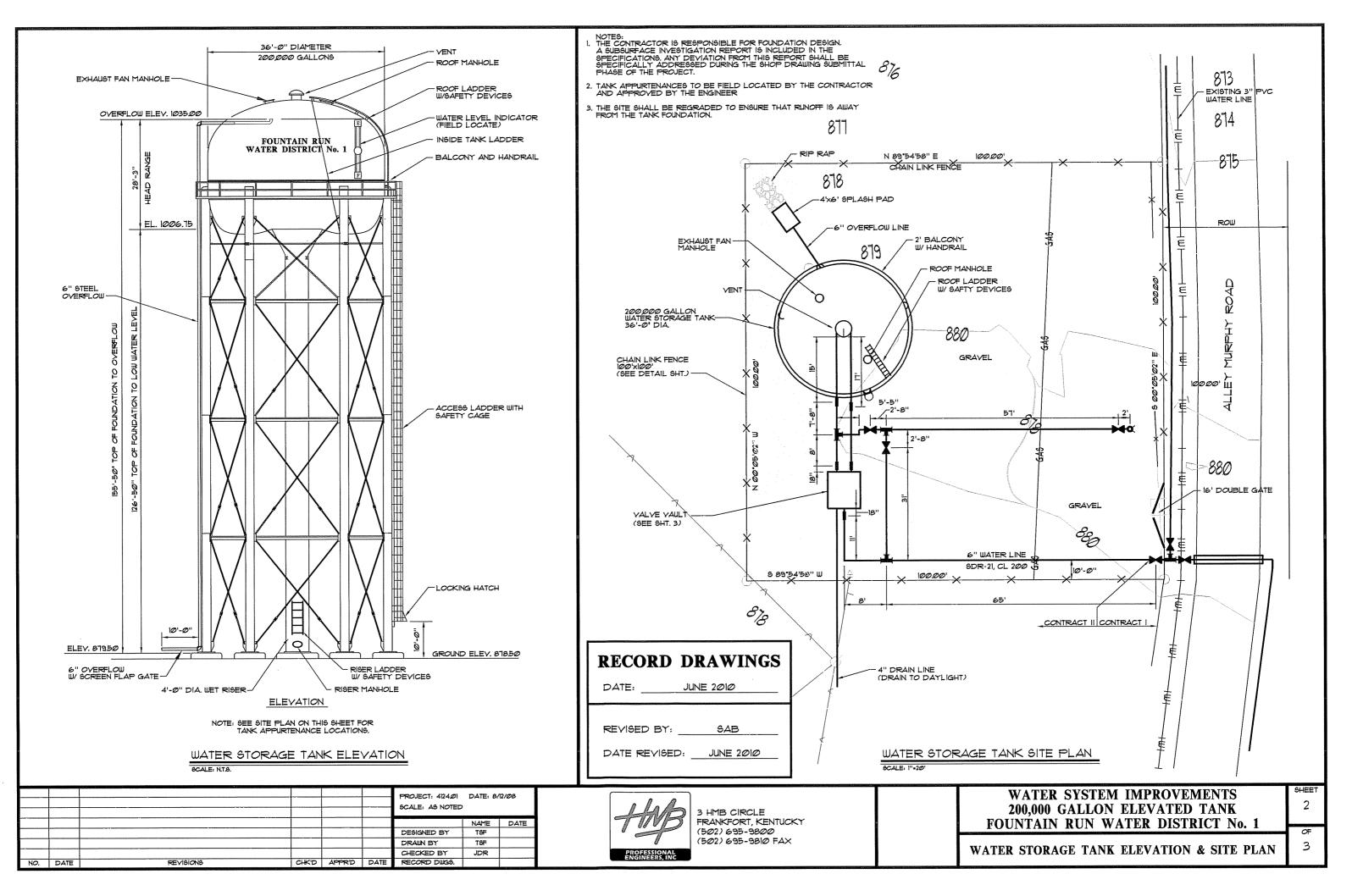
SHT. 3 - VALVE VAULT

- SDI STANDARD DETAIL
- SD2 STANDARD DETAIL
- SD3 STANDARD DETAIL

WATER SYSTEM IMPROVEMENTS FOUNTAIN RUN WATER DISTRICT No. 1 MONROE COUNTY, KENTUCKY
GENERAL NOTES / LEGEND / SHEET INDEX /

TOPOGRAPHIC MAP

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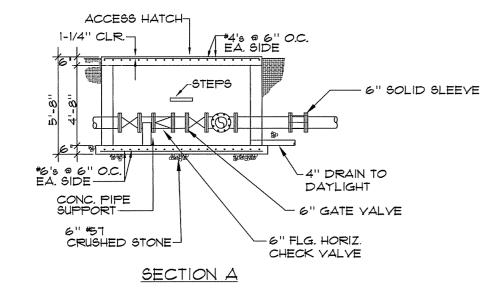


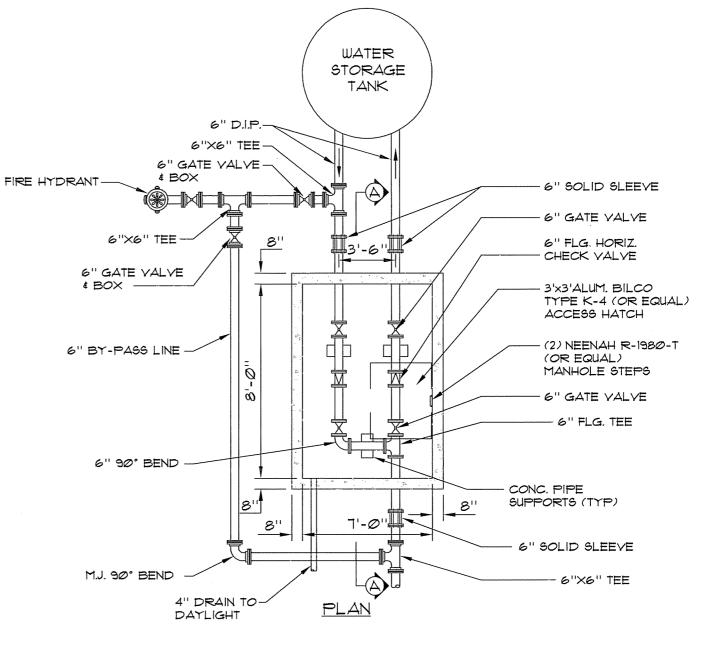


CONTRACTOR SHALL PROVIDE FLANGED COUPLING ADAPTER ON ALL THREE PIPES ENTERING AND EXITING VALVE VAULT.

CONTRACTOR SHALL PROVIDE TWO (2) TAPPED CONNECTIONS AND PRESSURE GAUGES FOR SAMPLING ON OUTLET PIPING BETWEEN VAULT WALL AND CHECK VALVE.

ALL PIPING & FITTINGS WITHIN VALVE VAULT SHALL BE FLANGED.





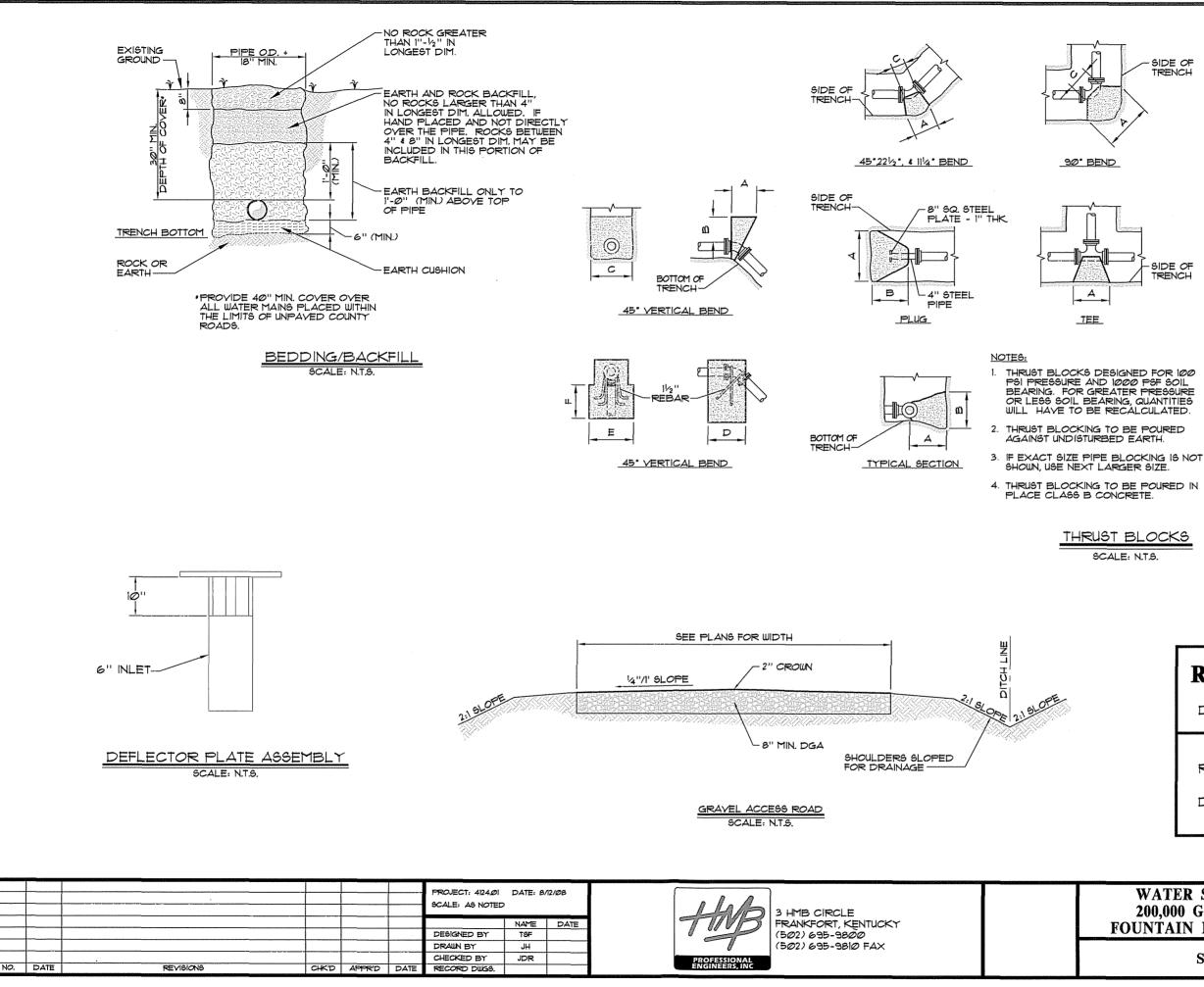
DETAIL - VALVE VAULT SCALE: N.T.S.

						PROJECT: 4124Ø1 SCALE: AS NOTED		DV. 2008	3 HMB CIRCLE]
							NAME	DATE	FRANKFORT, KENTUCKY	24 2
	1				1	DESIGNED BY	TSF		(502) 695-9800	
						DRAWN BY	JH		(502) 695-9810 FAX	
						CHECKED BY	JDR		PROFESSIONAL ENGINEERS, INC	
NO.	DATE	REVISIONS	CHK'D	APPR'D	DATE	RECORD DUGS.			ENGINEERS, INC	



SHEET 3 ОF 3

VALVE VAULT



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c	32	30	12	12	12	12	12	12
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DIMENSIONS ARE IN INCHES

RECORD DRAWINGS
DATE:JUNE 2010
REVISED BY:SAB
DATE REVISED: JUNE 2010

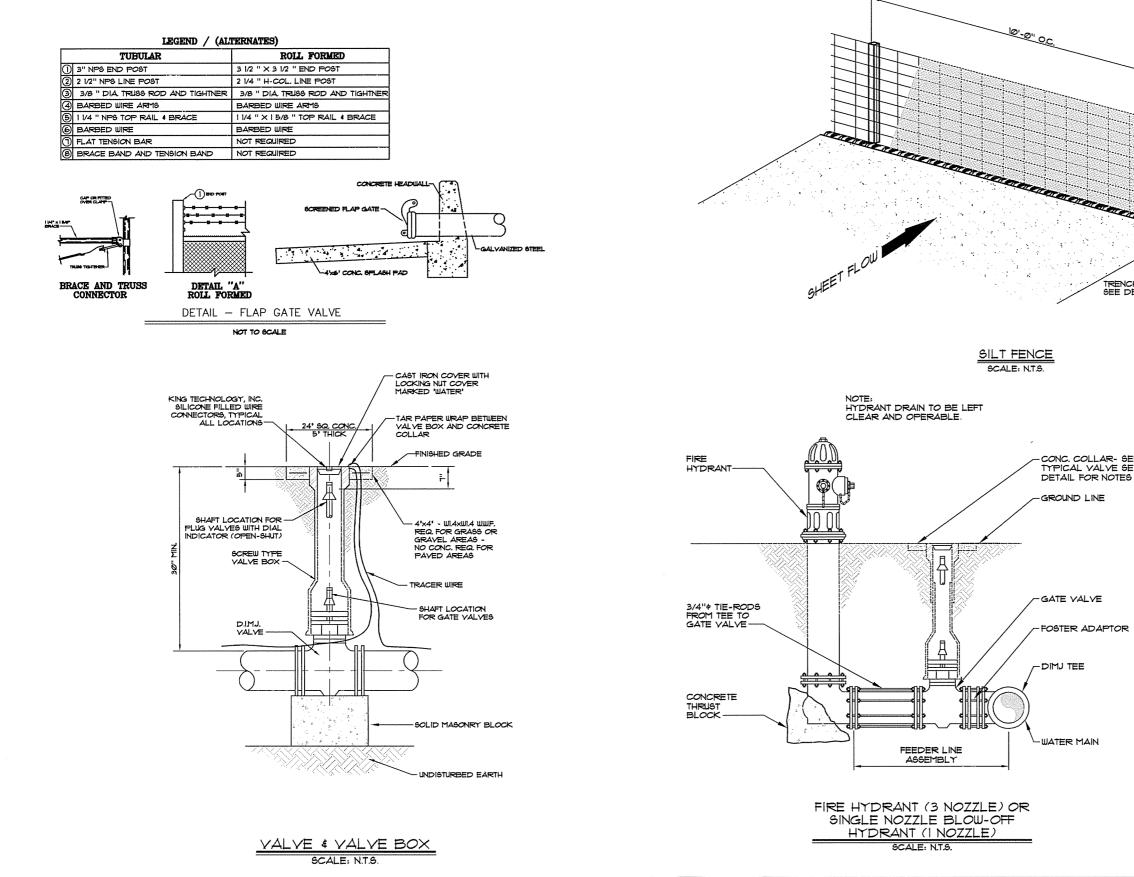
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OF SD3

SHEET

SDI



PROJECT: 4124.01 DATE: 8/12/08 SCALE: AS NOTED 3 HMB CIRCLE FRANKFORT, KENTUCKY NAME DATE 11 DESIGNED BY (502) 695-9800 TSF (502) 695-9810 FAX DRAWN BY JH CHECKED BY JDR PROFESSIONAL ENGINEERS, INC DATE REVISIONS CHK'D APPR'D DATE RECORD DUGS. NO.

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- CONC. COLL. TYPICAL VAI DETAIL FOR - GROUND LINE	LVE GETTING NOTES	
-GATE VALVE		
-DIMJ TEE	RECORD DRAWINGS	
-WATER MAIN	REVISED BY: <u>SAB</u> Date Revised: <u>June 2010</u>	
	WATER SYSTEM IMPROVEMENTS 200,000 GALLON ELEVATED TANK FOUNTAIN RUN WATER DISTRICT No. 1	SHEET SD2 0F
	STANDARD DETAILS	SD3

10'-0" O.C.

SILT FENCE SCALE: N.T.S.

NOTE:

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HYDRANT DRAIN TO BE LEFT CLEAR AND OPERABLE.

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FEEDER LINE

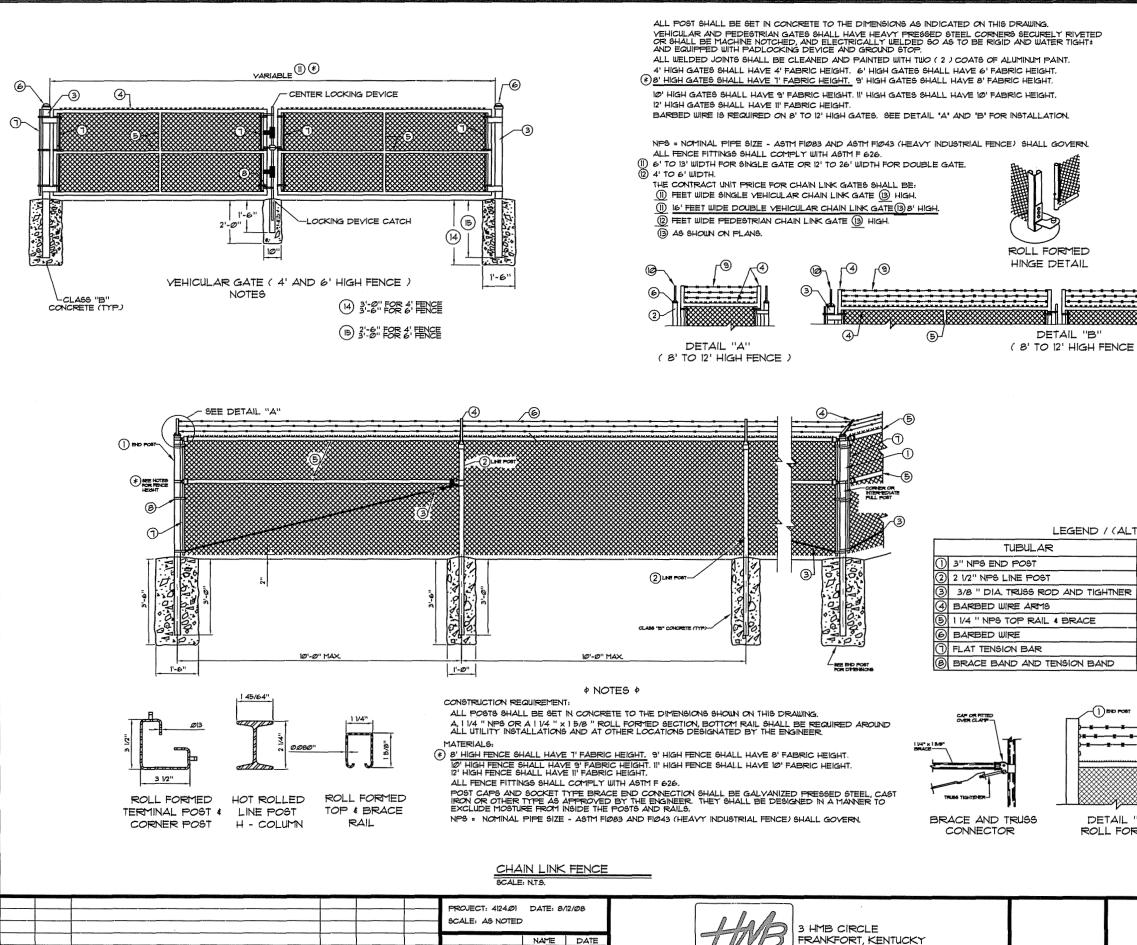
ASSEMBLY

HYDRANT (I NOZZLE)

SCALE: N.T.S.

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DESIGNED BY

CHECKED BY

RECORD DUGS

DRAWN BY

CHK'D APPR'D DATE

TOF

JH

JDR

(502) 695-9800

PROFESSIONAL ENGINEERS, INC (502) 695-9810 FAX

NO. DATE

REVISIONS

TERNATES)		
ROLL FORMED		
3 1/2 " × 3 1/2 " END POST		
2 1/4 "H-COL. LINE POST 3/8 "DIA. TRUSS ROD AND TIGHTNER		
BARBED WIRE ARMS		
11/4 " X 15/8 " TOP RAIL & BRACE		
BARBED WIRE		
NOT REQUIRED		
NOT REQUIRED		
RECORD I DATE: REVISED BY: DATE REVISED:	SAB	5
WATER SYSTEM IMPROV 200,000 GALLON ELEVATE FOUNTAIN RUN WATER DIS	D TANK	SHEET SD3
STANDARD DETAILS		æ SD3

LEGEND / (ALTERNATES)			
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\bigcirc	END POST 2 1/2 " NPS	3 1/2 " × 3 1/2 "	
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3	GATE POST 3 1/2 " NPS	NO ALTERNATE	
④	GATE FRAME 1 1/2 " NPS	NO ALTERNATE	l
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6	APPROVED CAPS	NOT REQUIRED	
\bigcirc	FLAT TENSION BAR	NOT REQUIRED	
8	BRACE BAND AND TENSION BAND	NOT REQUIRED	
9	BARBED WIRE	BARBED WIRE	
9	BARBED WIRE ARMS	BARBED WIRE ARMS	ļ