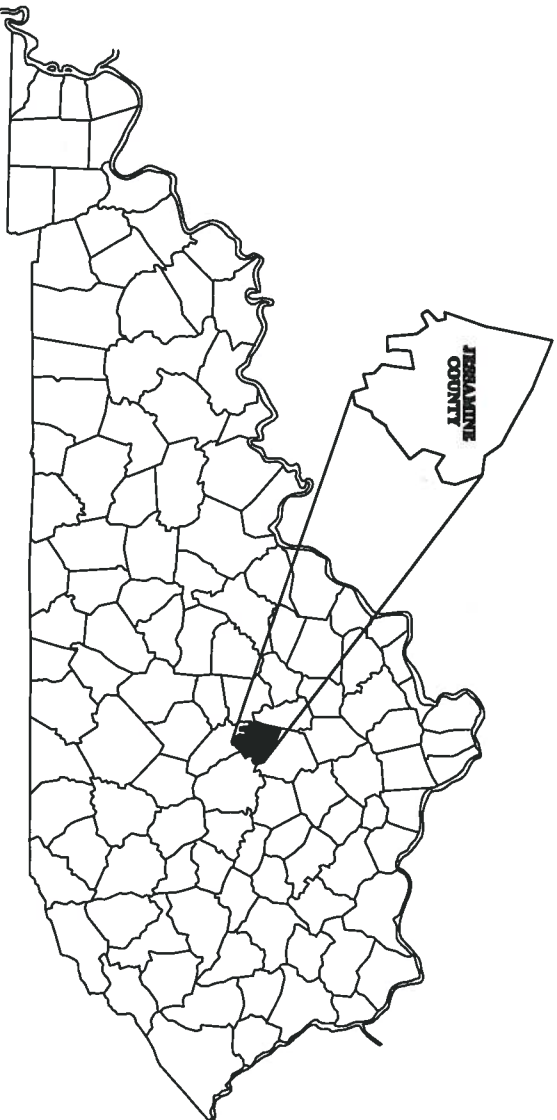


WATER LINE UPGRADE JESSAMINE COUNTY WATER DISTRICT No. 1 JESSAMINE COUNTY, KENTUCKY

CAROLYN LANE & VINCEWOOD DRIVE



FEBRUARY 2022



BRANDON BAXTER, P.E.
LICENSED PROFESSIONAL ENGINEER NO. 30,324

Plans Prepared By:



HMB
PROFESSIONAL
ENGINEERS, INC.

2000 Crider
Frankfort, Kentucky P.O. Box 100000
Frankfort, Kentucky 40601

GENERAL NOTES

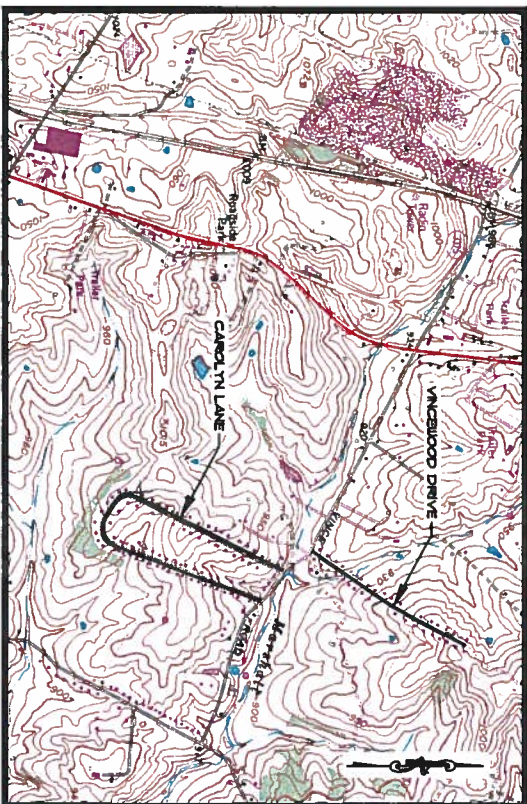
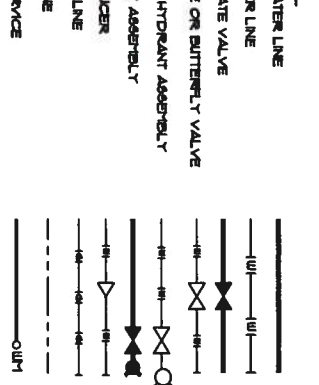
- UNLESS OTHERWISE NOTED, A SEPARATE BID ITEM HAS NOT BEEN ESTABLISHED FOR FITTINGS. THE FITTINGS INVOLVED INCLUDE BUT ARE NOT LIMITED TO, TEES, BENDS, FLANGES, REDUCERS, ADAPTERS, CROSSES, COUPLERS, ETC. CONTRACTOR SHALL INCLUDE THE COST OF THESE ITEMS IN THE UNIT PRICE FOR THE PIPE.
- NO PAY ITEM FOR EXTRA TEMPORAL PERMITS 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 LAY WITHIN 100' OF THESE LINES WITH CATHODIC PROTECTION SHALL MEET THE REQUIREMENTS OF ANISA C-105. LATER REVIEW OF A SEPARATE PAY ITEM HAS NOT BEEN ESTABLISHED. CONTRACTOR SHALL INCLUDE THE COST OF CATHODIC PROTECTION IN HIS 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 OWNER.
- THE CONTRACTOR SHALL CONSENT 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 LEAVE PERSONS OUTSIDE OF LEGAL EASEMENTS OR CONSTRUCTION LIMITS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THE LOCATION OF ALL UTILITIES AND TO BE RESPONSIBLE FOR THE FINAL ALIGNMENT OF WATERLINE. THE CONTRACTOR SHALL USE CAUTION WHEN EXCAVATING AND SHALL TAKE THE NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES TO KEEP THEM IN SERVICE. IF UTILITIES ARE FOUND, THE INFORMATION IS GENERAL IN NATURE AND NOT TO BE TAKEN AS ABSOLUTE. CONTRACTOR SHALL CONTACT REPRESENTATIVES OF LOCAL UTILITIES A MINIMUM OF 48 HOURS BEFORE COMMENCING WORK ON THE PROJECT.
- GRIP RINGS RESTRAINTS SHALL BE USED ON ALL 14" FITTINGS FOR PIPES 8" INCHES IN DIAMETER OR LESS. REG-G-LUG TYPE RESTRAINTS SHALL BE USED ON ALL 14" FITTINGS FOR PIPES GREATER THAN 8" INCH DIAMETER. COST TO BE INCLUDED IN THE UNIT PRICE BID FOR PIPE.
- ALL TEES AND BENDS SHALL BE THREAT BLOCKED AS DETAILED ON THE STANDARD CONNECTION SHEET. COST TO BE INCLUDED IN THE UNIT PRICE BID FOR PIPE.

- ALL ENTRANCES, CONCRETE AND ASPHALT DRIVEWAYS AND ENTRANCES SHALL BE REEL BONDED UNLESS INDICATED OTHERWISE ON PLANS. IF FREE BONE IS JACK.
- WATER LINE MARKERS SHALL BE LOCATED AT EVERY FENCE CROSSING.
- AS REQUIRED BY KRS 34.14491 - 34.14491 PRIOR TO EXCAVATION THE CONTRACTOR SHALL CONTACT THE KENTUCKY ONE-CALL SYSTEM (KENTUCKY) TO LOCATE EXISTING UTILITIES.
- PROVIDE 42" MINIMUM COVER FOR ALL WATER MAINS AND CULVERTS PLACED WITHIN CONTIGUALITY OF KENTUCKY RIGHT OF WAY.
- NOT ALL CULVERTS ARE SHOWN. CONTRACTOR SHALL FIELD LOCATE ALL EXISTING CULVERTS AND USE CAUTION IN THESE AREAS.
- ALL PAVED OR CONCRETE ROADS OR AREAS MAINTAINED BY THE STATE, CITY OR COUNTY SHALL BE BONDED WITH STEEL CAVING PIPE.
- STATION NUMBERS ON ALL SHEETS ARE HEAVILY ALONG THE CENTER OF ROAD.
- ALL WATER LINES SHALL HAVE A MINIMUM OF 30" OF COVER.
- ROAD CLEAN UP SHALL BE PERFORMED DAILY. NO DITCHES SHALL BE LEFT OPEN OVER NIGHT.
- WATER MAINS SHALL BE INSTALLED BEHIND DRIVEWAY OR ENTRANCE CULVERTS WHEN POSSIBLE.
- JOB SITE SAFETY IS SOLELY THE CONTRACTOR'S RESPONSIBILITY AT ALL TIMES.

SHEET INDEX

- 0-1 GENERAL NOTES, LEGEND, SHEET INDEX AND TOPOGRAPHIC MAP
- 1-5 CAROLYN LANE
- 6-8 VINCIGOOD DRIVE
- 9-10-11 STANDARD DETAILS

LEGEND



TOPOGRAPHIC MAP

SCALE : N.T.S.

NO.	DATE	REVISIONS	CAUSE	APPROV	DATE

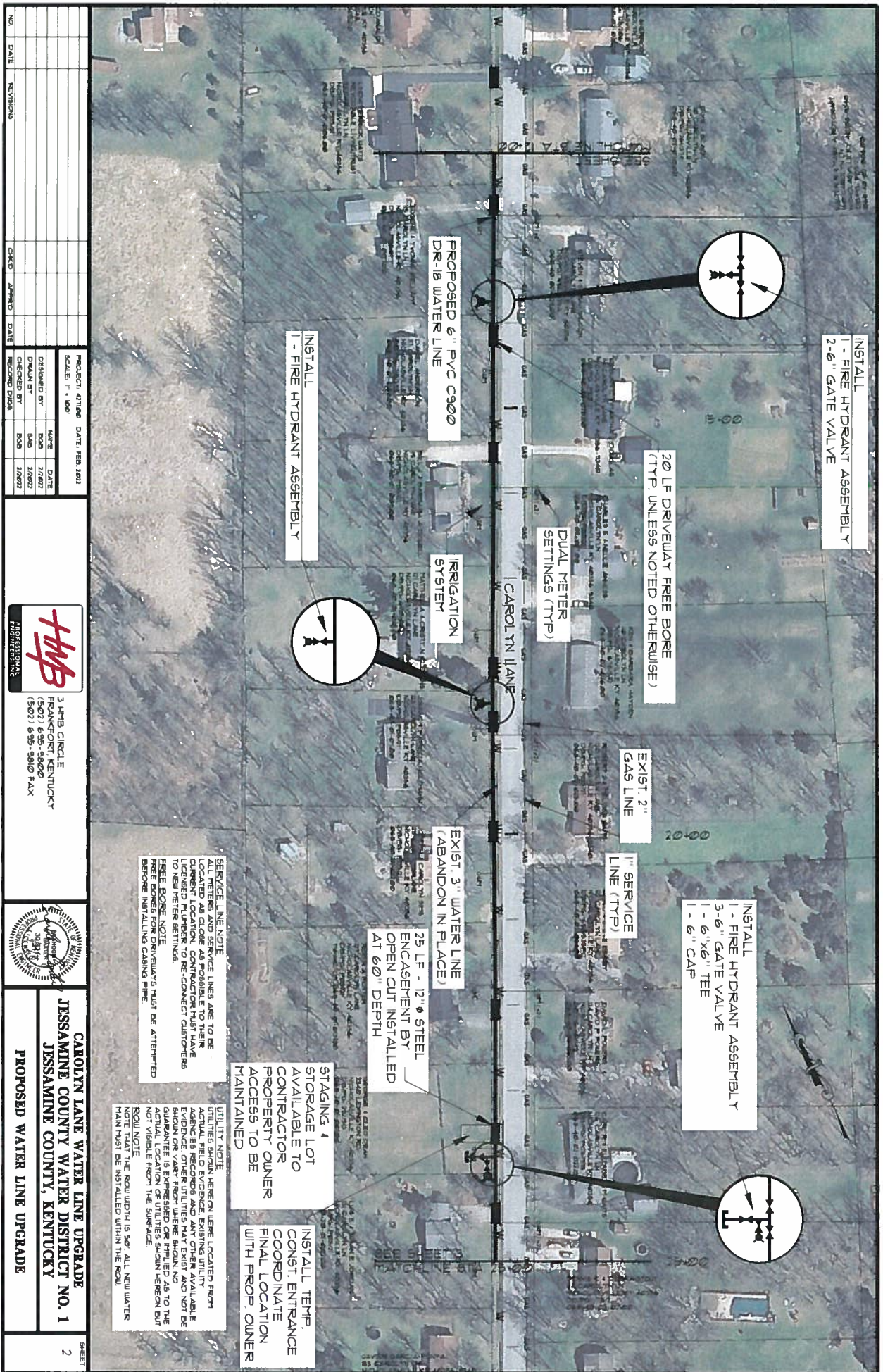
PROJECT DATA		DATE: FEB. 2002	
SCALE	AS NOTED	NAME	DATE
DRAWN BY			
CHECKED BY			
RECORD SHEET			



31475 CIRCLE
FRANKFORT, KENTUCKY
(502) 639-8600
(502) 639-8600 FAX

WATER LINE UPGRADE
JESSAMINE COUNTY WATER DISTRICT No. 1
JESSAMINE COUNTY, KENTUCKY
GENERAL NOTES / LEGEND / SHEET INDEX / TOPOGRAPHIC MAP

SHEET
0-1



INSTALL
1 - FIRE HYDRANT ASSEMBLY
2-6" GATE VALVE

20' LF DRIVEWAY FREE BOSE
(TYP. UNLESS NOTED OTHERWISE)

DUAL METER
SETTINGS (TYP)

PROPOSED 6" PVC C900
DR-18 WATER LINE

INSTALL
1 - FIRE HYDRANT ASSEMBLY

EXIST. 2" GAS LINE

1" SERVICE
LINE (TYP)

INSTALL
1 - FIRE HYDRANT ASSEMBLY
3-6" GATE VALVE
1 - 6" X 6" TEE
1 - 6" CAP

EXIST. 3" WATER LINE
(ABANDON IN PLACE)

25' LF - 12" Ø STEEL
ENCASUREMENT BY
OPEN CUT INSTALLED
AT 60" DEPTH

STAGING &
AVAILABLE TO
CONTRACTOR
PROPERTY OWNER
ACCESS TO BE
MAINTAINED

INSTALL TEMP.
CONST. ENTRANCE
COORDINATE
FINAL LOCATION
WITH PROP. OWNER

SERVICE LINE NOTE
ALL METERS AND SERVICE LINES ARE TO BE LOCATED AS CLOSE AS POSSIBLE TO THEIR EXISTING LOCATIONS. CONTRACTORS SHALL HAVE LICENSED PLUMBERS TO RE-CONNECT CUSTOMERS TO NEW METER SETTINGS.
FREE BOSE NOTE
FREE BORES FOR DRIVEWAYS MUST BE ATTEMPTED BEFORE INSTALLING CASING PIPE.

UTILITY NOTE
UTILITIES SHOWN HEREON WERE LOCATED FROM ACTUAL FIELD EVIDENCE. EXISTING UTILITY LOCATIONS SHOWN ARE FOR INFORMATION ONLY. THE LOCATION OF UTILITIES MAY VARY FROM THE SHOWN OR VARY FROM THE SHOWN. NO GUARANTEE IS EXPRESSED OR IMPLIED AS TO THE ACCURACY OF THE INFORMATION SHOWN HEREON BUT NOT VISIBLE FROM THE SURFACE.
ROW NOTE
NOTE THAT THE ROW WIDTH IS 50'. ALL NEW WATER MAIN MUST BE INSTALLED WITHIN THE ROW.

NO.	DATE	REVISIONS	CRKD	APPRD	DATE	RECORD DATA

PROJECT:	DATE:
SCALE:	
DRAWN BY:	NAME:
CHECKED BY:	DATE:
RECORD DATA:	

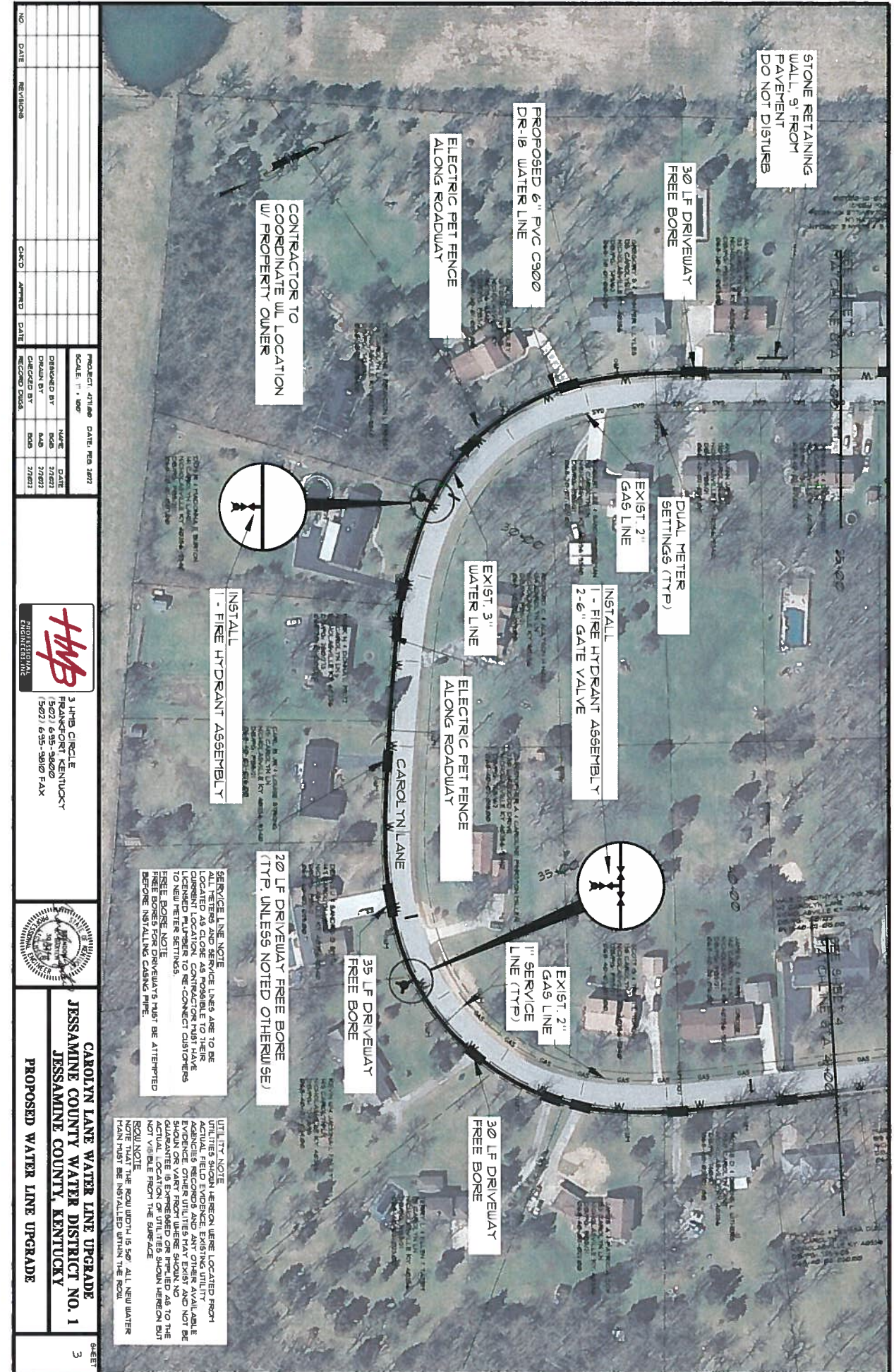
THB
TECHNICAL
SERVICES

3 THB CIRCLE
FRANKFORT, KENTUCKY
(502) 635-9800
(502) 635-9810 FAX

CAROLYN LANE WATER LINE UPGRADE
JESSAMINE COUNTY WATER DISTRICT NO. 1
JESSAMINE COUNTY, KENTUCKY

PROPOSED WATER LINE UPGRADE

SHEET
2



NO.	DATE	REVISIONS	CHECKED	APPROVED	DATE

PROJECT: 47106	DATE: MAR 2022
SCALE: 1" = 50'	
DRAWN BY: RAS	DATE: 7/2/23
CHECKED BY: RAS	DATE: 7/2/23
RECORD DWG:	

THB
PROFESSIONAL ENGINEER

3 THB CIRCLE
FRANKFORT KENTUCKY
5021 635-9800
5021 635-9800 FAX



CAROLYN LANE WATER LINE UPGRADE
JESSAMINE COUNTY WATER DISTRICT NO. 1
JESSAMINE COUNTY, KENTUCKY

PROPOSED WATER LINE UPGRADE

SHEET 3

UTILITY NOTE
UTILITIES SHOWN HEREON WERE LOCATED FROM ALL UTILITIES AND SERVICE LINES ARE TO BE MAINTAINED AS SHOWN UNLESS OTHERWISE NOTED. CONTRACTOR SHALL VERIFY THE LOCATION, DEPTH AND TYPE OF ALL UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND COORDINATING WITH ALL UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND COORDINATING WITH ALL UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL UTILITIES.

ROW NOTE
NOTE THAT THE ROW WIDTH IS 50'. ALL NEW WATER MAINS MUST BE INSTALLED WITHIN THE ROW.

20 LF DRIVEWAY FREE BORE (TYP, UNLESS NOTED OTHERWISE)

35 LF DRIVEWAY FREE BORE

30 LF DRIVEWAY FREE BORE

EXIST. 2" GAS LINE
1" SERVICE LINE (TYP)

DUAL METER SETTINGS (TYP)

INST. ALL
1" FIRE HYDRANT ASSEMBLY
2-6" GATE VALVE

EXIST. 3" WATER LINE

EXIST. 2" GAS LINE

30 LF DRIVEWAY FREE BORE

ELECTRIC PET FENCE ALONG ROADWAY

CONTRACTOR TO COORDINATE W/ LOCATION W/ PROPERTY OWNER

PROPOSED 6" PVC C900 DR-18 WATER LINE


30 LF DRIVEWAY FREE BORE

ELECTRIC PET FENCE ALONG ROADWAY

STONE RETAINING WALL, 9' FROM PAVEMENT DO NOT DISTURB

NO.	DATE	REVISIONS	CADED	APPROVED	DATE

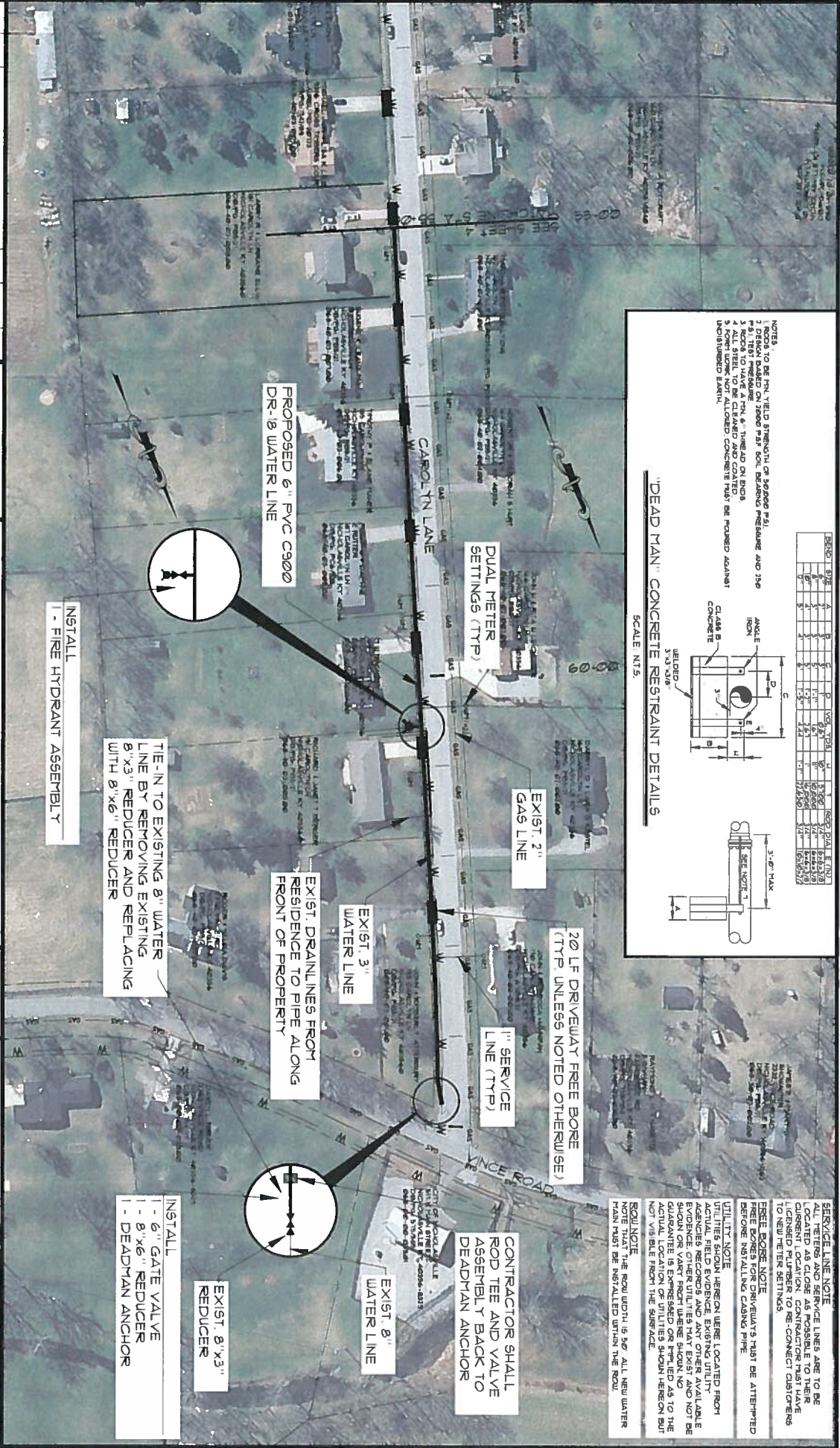
PROJECT ATTITUDE	DATE	REV	DATE
SCALE: 1" = 40'			
DRAWN BY: BGS	2/28/22		
CHECKED BY: BGS	2/28/22		
RECORD DATE: 2/28/22			



3 HMB CIRCLE
FRANKFORT, KENTUCKY
15027 655-5800
15027 655-5800 FAX



CAROLYN LANE WATER LINE UPGRADE
JESSAMINE COUNTY WATER DISTRICT NO. 1
JESSAMINE COUNTY, KENTUCKY
PROPOSED WATER LINE UPGRADE



"DEAD MAN" CONCRETE RESTRAINT DETAILS
SCALE: N125

GRID LINE	A	B	C	D	VDS (TDS)	H	T	ROAD DIA. E (IN)
6"	3"	3"	3"	3"	3"	3"	3"	3"
12"	6"	6"	6"	6"	6"	6"	6"	6"
18"	9"	9"	9"	9"	9"	9"	9"	9"
24"	12"	12"	12"	12"	12"	12"	12"	12"
30"	15"	15"	15"	15"	15"	15"	15"	15"
36"	18"	18"	18"	18"	18"	18"	18"	18"
42"	21"	21"	21"	21"	21"	21"	21"	21"
48"	24"	24"	24"	24"	24"	24"	24"	24"
54"	27"	27"	27"	27"	27"	27"	27"	27"
60"	30"	30"	30"	30"	30"	30"	30"	30"
66"	33"	33"	33"	33"	33"	33"	33"	33"
72"	36"	36"	36"	36"	36"	36"	36"	36"
78"	39"	39"	39"	39"	39"	39"	39"	39"
84"	42"	42"	42"	42"	42"	42"	42"	42"
90"	45"	45"	45"	45"	45"	45"	45"	45"
96"	48"	48"	48"	48"	48"	48"	48"	48"
102"	51"	51"	51"	51"	51"	51"	51"	51"
108"	54"	54"	54"	54"	54"	54"	54"	54"
114"	57"	57"	57"	57"	57"	57"	57"	57"
120"	60"	60"	60"	60"	60"	60"	60"	60"

SERVICE LINE NOTE
ALL TIEBARS AND SERVICE LINES ARE TO BE LOCATED AS CLOSE AS POSSIBLE TO THEIR CURRENT LOCATION TO BE CONNECTED DOWNSTREAM TO NEW METER SETTINGS.

FIELD ROUSE NOTE
FIELD ROUSE OPERATORS MUST BE ATTEMPTED BEFORE UNLOADING CHANGING PIPE.

UTILITY NOTE
UTILITY PERSONS USE LOCATED FROM ACTUAL FIELD EVIDENCE EXISTING UTILITY AGENCIES RECORDS AND ANY OTHER AVAILABLE EVIDENCE OTHER UTILITIES MAY EXIST AND NOT BE SHOWN OR VARY FROM THESE SHOWN AND TO THE ACTUAL LOCATION OF UTILITIES SHOWN HEREON BUT NOT VISIBLE FROM THE SURFACE.

ROUING NOTE
NOTE THAT THE ROU WIDTH IS 36" ALL NEW WATER MAIN MUST BE INSTALLED WITHIN THE ROU.