

JOB BRIEFING

1) HAZARDS ASSOCIATED—WITH THE JOB

2) WORK PROCEDURES INVOLVED

3) SPECIAL PRECAUTIONS

4) ENERGY SOURCE CONTROLS

5) PERSONAL PROTECTIVE EQUIPMENT REQUIRED

SIGNATURE

ATTENDEES

GAS MAIN IN EASEMENT

GAS MAIN IN RIGHT-OF-WAY

TOTAL GAS MAIN IN CONFLICT

4845 lft. / 86.39%

763 lft./ 13.61%

5608 lft./ 100%



REV 4 (1/17/2025)

REV 3 (1/8/2025)

REV 3 (1/8/2025)

INSTALL:

125' OF 2" H.P. ST. GAS MAIN.

INSTALL:

155' 2" OF M.P. ST. GAS MAIN

INSTALL:

1663' OF 2" M.P. PL. GAS MAIN.

INSTALL:

347' OF 4" M.P. PL. GAS MAIN.

INSTALL:

4595' OF 8" H.P. ST. GAS MAIN.

ABANDON:

88' OF 2" H.P. ST. GAS MAIN.

ABANDON:

145' OF 2" M.P. ST. GAS MAIN.

ABANDON:

295' OF 2" M.P. PL. GAS MAIN.

ABANDON:

30' OF 4" H.P. ST. GAS MAIN

ABANDON:

4980' OF 8" H.P. ST. GAS MAIN.

ABANDON:

70' OF 12" H.P. ST. GAS MAIN.

CONTRACT NUMBER:

1165091

"Exhibit DRAW"

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	3	BILL OF MATERIAL,NOTES & DETAILS
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WR#: 6834707

PROJECT#: 406000171

TASK#: 6834707101

TASK#: 6834707R02

SHEET 1 OF 12

LGE GAS & ELECTRIC ENGINEERING

COVER SHEET

HWY 245 WIDENING

SHEPHERDSVILLE, KY 40165

CREW: SOUTHERN

DRAWN BY: T.BEESON

PHONE #: 502-377-7626

DATE: 05/06/2021

REV. 2 DATE: 10/16/2024

SCALE: NTS

CHECKED BY: A.T.

LOUISVILLE GAS and ELECTRIC COMPANY

a PPL company

POWER DELIVERY ENGINEERING

LGE & KU

PATH OF DRAWING LOCATION

GENERAL EROSION PREVENTION & SEDIMENT CONTROL (EPSC) NOTES FOR LAND DISTURBANCE ACTIVITIES OUTSIDE OF JEFFERSON COUNTY:

1. ALL EROSION-PRONE MATERIAL STOCKPILES (LIKE BEDDING MATERIALS, BACKFILLS, SOILS, ETC.) SHOULD BE ISOLATED FROM WATER CONVEYANCES USING SILT FENCE OR OTHER APPROPRIATE BEST MANAGEMENT PRACTICE. THESE STOCKPILES SHOULD ALSO BE POSITIONED AS FAR AS PRACTICAL FROM DITCHES, STREAMS, AND OTHER CONVEYANCES.

2. CONSTRUCTION ENTRANCES, LAY DOWN & STAGING AREAS, DRIVEWAYS, AND POINTS OF FREQUENT CONSTRUCTION-RELATED INGRESS/EGRESS SHOULD BE AUGMENTED, REINFORCED, OR ESTABLISHED BEFORE ANY PROJECT CONSTRUCTION OCCURS AND SHOULD BE MAINTAINED THROUGHOUT THE COURSE OF THE PROJECT SO THAT SAFE ACCESS CAN BE MAINTAINED AND TRACKING OF SEDIMENT ONTO PUBLIC ROADS IS AVOIDED.

3. WHERE CONSTRUCTION OR LAND DISTURBANCE ACTIVITY WILL OR HAS TEMPORARILY CEASED ON ANY PORTION OF A SITE, TEMPORARY SITE STABILIZATION MEASURES SHALL BE REQUIRED AS SOON AS PRACTICABLE, BUT NO LATER THAN 14 CALENDAR DAYS AFTER THE ACTIVITY HAS CEASED.

4. CONTRACTOR PERSONNEL WHO PERFORM BMP INSPECTIONS SHALL BE KNOWLEDGEABLE OF FUNDAMENTAL CONCEPTS RELATED TO THE PREVENTION OF EROSION AND SEDIMENTATION RESULTING FROM LAND DISTURBING ACTIVITIES.

5. COMPLETED STORMWATER CONSTRUCTION SITE INSPECTION REPORTS SHALL BE SUBMITTED TO LGEGASEPSC@LGE-KU.COM FOLLOWING THEIR COMPLETION.

6. CONTRACTOR SHALL COMPLETE THE INSTALLATION OF EPSC BMPS PRIOR TO INITIATING LAND DISTURBANCE ACTIVITIES.

7. DIRECT DISCHARGE OF POLLUTANTS (INCLUDING SEDIMENT) INTO WATERWAYS IS NOT PERMITTED. ADDITIONAL NOTES FOR LAND DISTURBANCE ACTIVITIES (>1 ACRE) FOR LAND DISTURBANCE ACTIVITIES OUTSIDE OF JEFFERSON COUNTY:

1. CONTRACTOR SHALL COMPLETE THE WORK ASSOCIATED WITH THIS PROJECT IN ACCORDANCE WITH "KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM (KPDSES) GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES (KYR100000) MASTER GENERAL PERMIT AND A PROJECT SPECIFIC STORMWATER POLLUTION PREVENTION PLAN (SWPPP).

2. LG&E OR ITS CONTRACTOR(S) SHALL BE REQUIRED TO CONDUCT CONTINUING INSPECTIONS OF ALL EPSC MEASURES AND DIRECT THE APPROPRIATE PERSONS TO MAKE ANY REPAIRS OR MODIFICATIONS NECESSARY WITHIN 48 HOURS OF THE INITIAL DISCOVERY OF A CONTROL FAILURE OR VIOLATION, UNLESS EXTENUATING CIRCUMSTANCES SUCH AS WEATHER OR COMPLEXITY OF REPAIRS OR MODIFICATIONS JUSTIFY A LONGER TIME FRAME. AT A MINIMUM, SUCH INSPECTIONS SHALL OCCUR EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS AFTER EACH STORM EVENT THAT PRODUCES 0.5 INCHES OR MORE OF PRECIPITATION. INSPECTIONS SHALL BE REQUIRED ONLY WHEN THE DURATION OF THE LAND DISTURBANCE EXCEEDS 7 DAYS. ADDITIONAL NOTES FOR LAND DISTURBANCE ACTIVITIES (<1 ACRE) FOR LAND DISTURBANCE ACTIVITIES OUTSIDE OF JEFFERSON COUNTY:

1. DOCUMENTED BMP INSPECTIONS SHALL ONLY BE REQUIRED IF MUNICIPAL REQUIREMENTS DICTATE SUCH.

2. CONTRACTOR WILL COMPLETE WORK UNDER ESPC PLAN PROVIDED WITHIN THIS DRAWING SET AND KYTC CONSTRUCTION PLANS.

GAS NOTES

CONTRACTOR SHALL MAKE ALL TIE-INS AND CUT OUTS: AND CONTRACTOR SHALL RETURN TO JOB SITE AND MAKE ALL FINAL CUT OUTS.

PLASTIC MAINS THAT ARE TIED INTO STEEL MAINS SHALL HAVE A TEST WIRE INSTALLED ON THE STEEL MAIN AND A 17# ANODE ON ALL MILLCOATED MAINS.

ALL EROSION PRONE MATERIALS STOCKPILES SHALL BE ISOLATED FROM WATER CONVEYANCES USING SILT FENCE CUT OR OTHER BMP'S AND POSITIONED AS FAR AS PRACTICAL FROM DITCHES AND STREAMS

CONSTRUCTION ENTRANCES AND STAGING AREAS OF FREQUENT INGRESS/EGRESS SHOULD BE REINFORCED AND MAINTAINED THROUGHOUT THE PROJECT TO AVOID TRACKING OF SEDIMENT INTO PUBLIC ROADS.

LG&E CONTRACTOR AND INSPECTOR SHALL DISCUSS PLAN FOR STAGING AND CONSTRUCTION BEFORE PROJECT BEGINS SO INSTALLATION AND MAINTENANCE OF BMP'S CAN BE OPTIMIZED TO PREVENT EROSION AND SEDIMENT MIGRATION.

GAS LINE INSTALLATION SHOULD BE LIMITED TO LESS THEN 1500' OF OPEN TRENCH AT ANY TIME DURING CONSTRUCTION AND ALL DISTURBED AREAS SHALL BE STABILIZED WITHIN 14 DAYS OF COMPLETION.

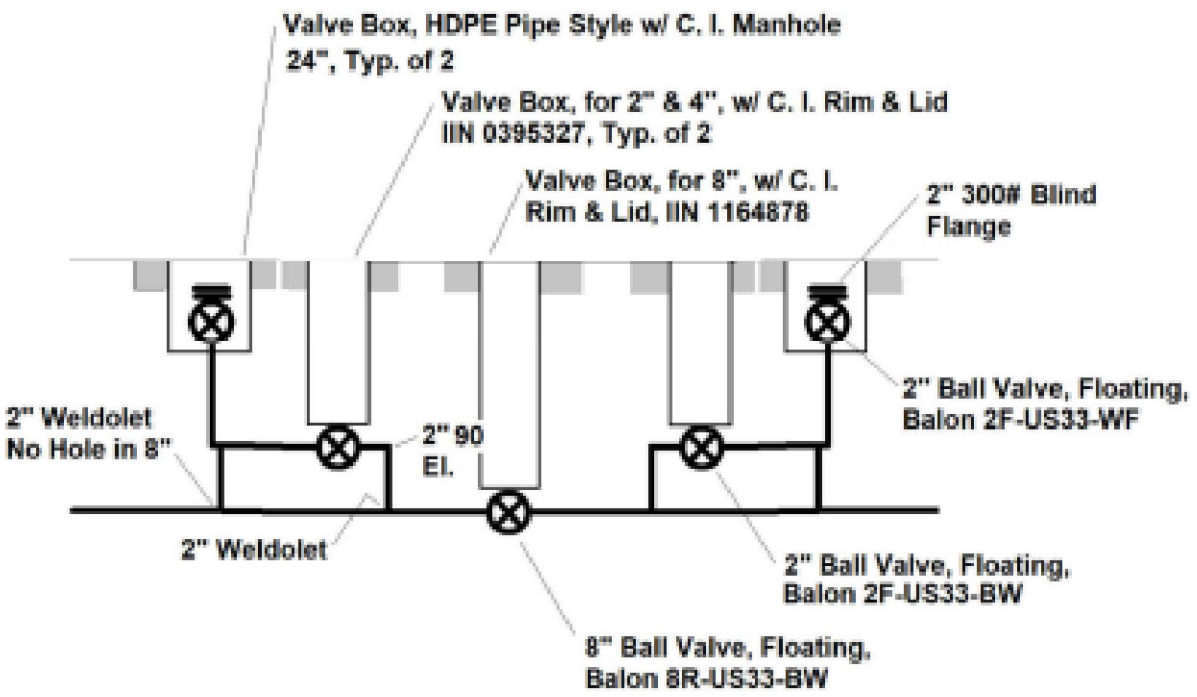
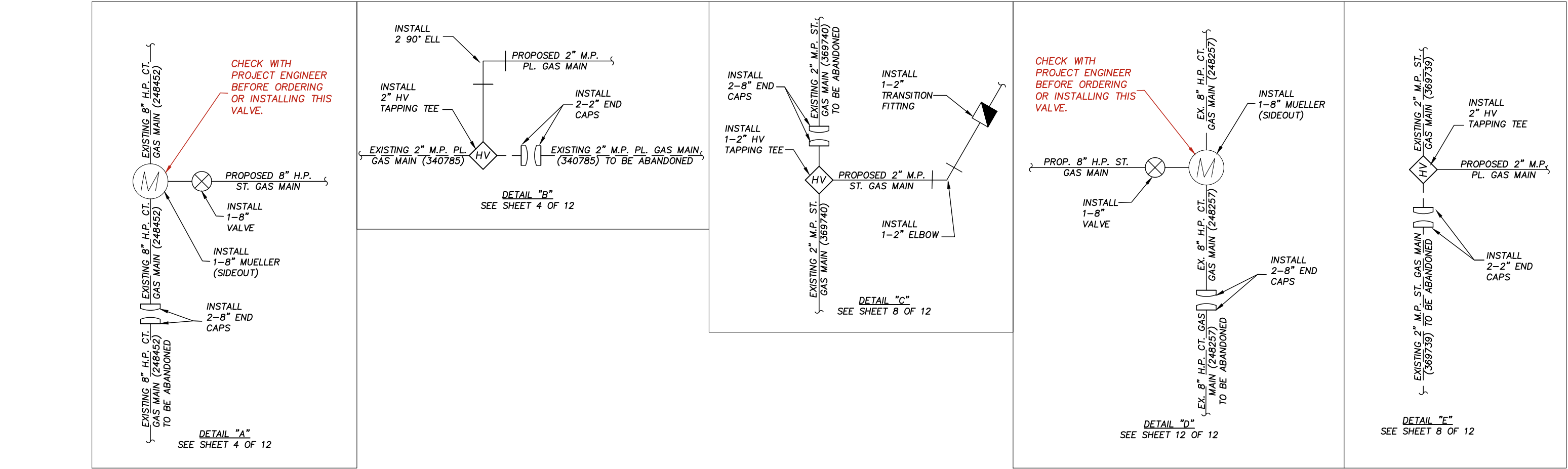
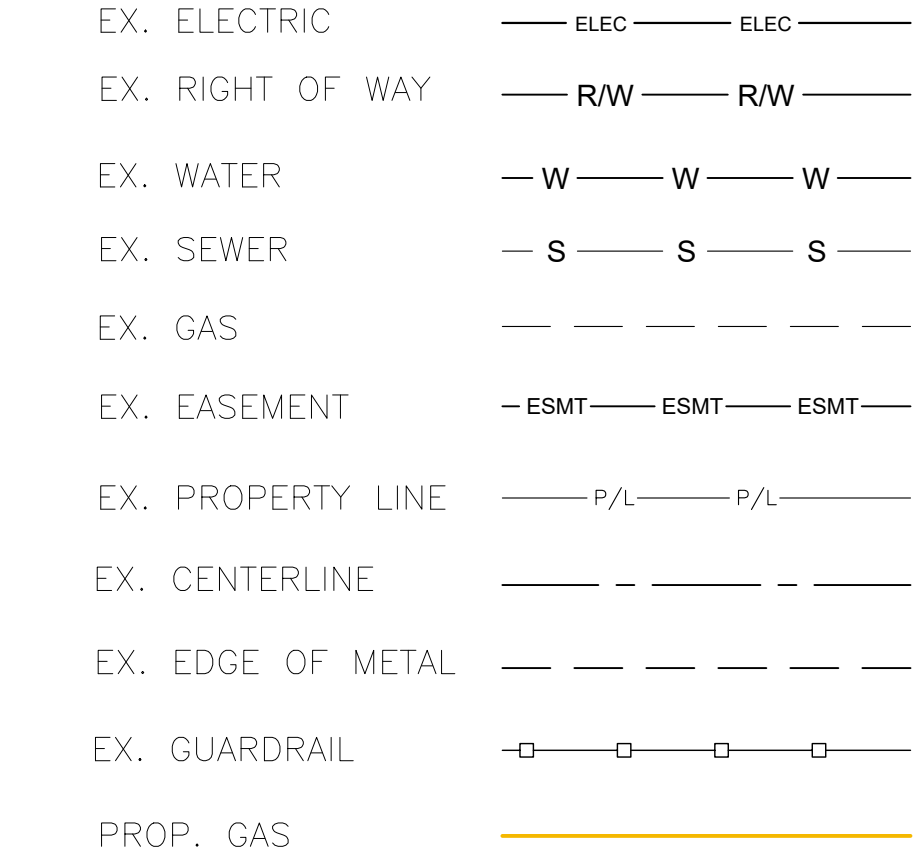
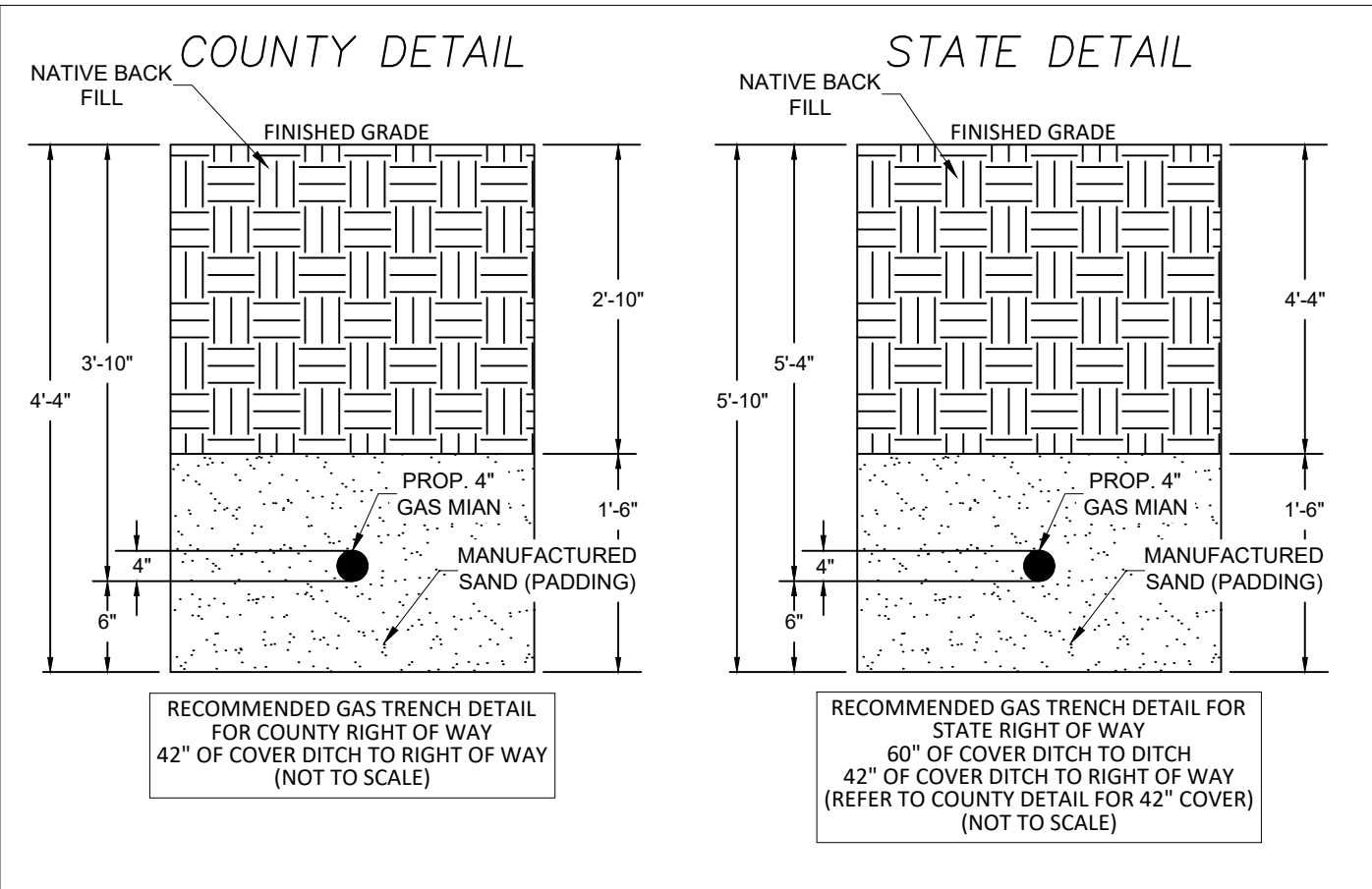
3M EMS 4" MARKER BALLS SHALL BE INSTALLED AT EACH GAS MAIN: ELL, TEE, TAP, TIE-IN, VALVE, POINT OF DIRECTION CHANGE AND EVERY 50' OF INSTALLATION LENGTH.

3M EMS NEAR-SURFACE MARKERS SHALL BE INSTALLED ABOVE SERVICES ONLY. TYPICAL INSTALLATION WILL USE THREE PER SERVICE FROM THE GAS MAIN TO THE METER. ADDITIONAL MARKERS WILL BE USED FOR UNUSUALLY LONG SERVICES AND CHANGES IN LATERAL DIRECTION.

ALL DISTURBED LAWN AREAS ARE TO BE REPLACED WITH SOD.

PRESSURE TEST: SEE HIGH PRESSURE GAS DATA SHEETS.

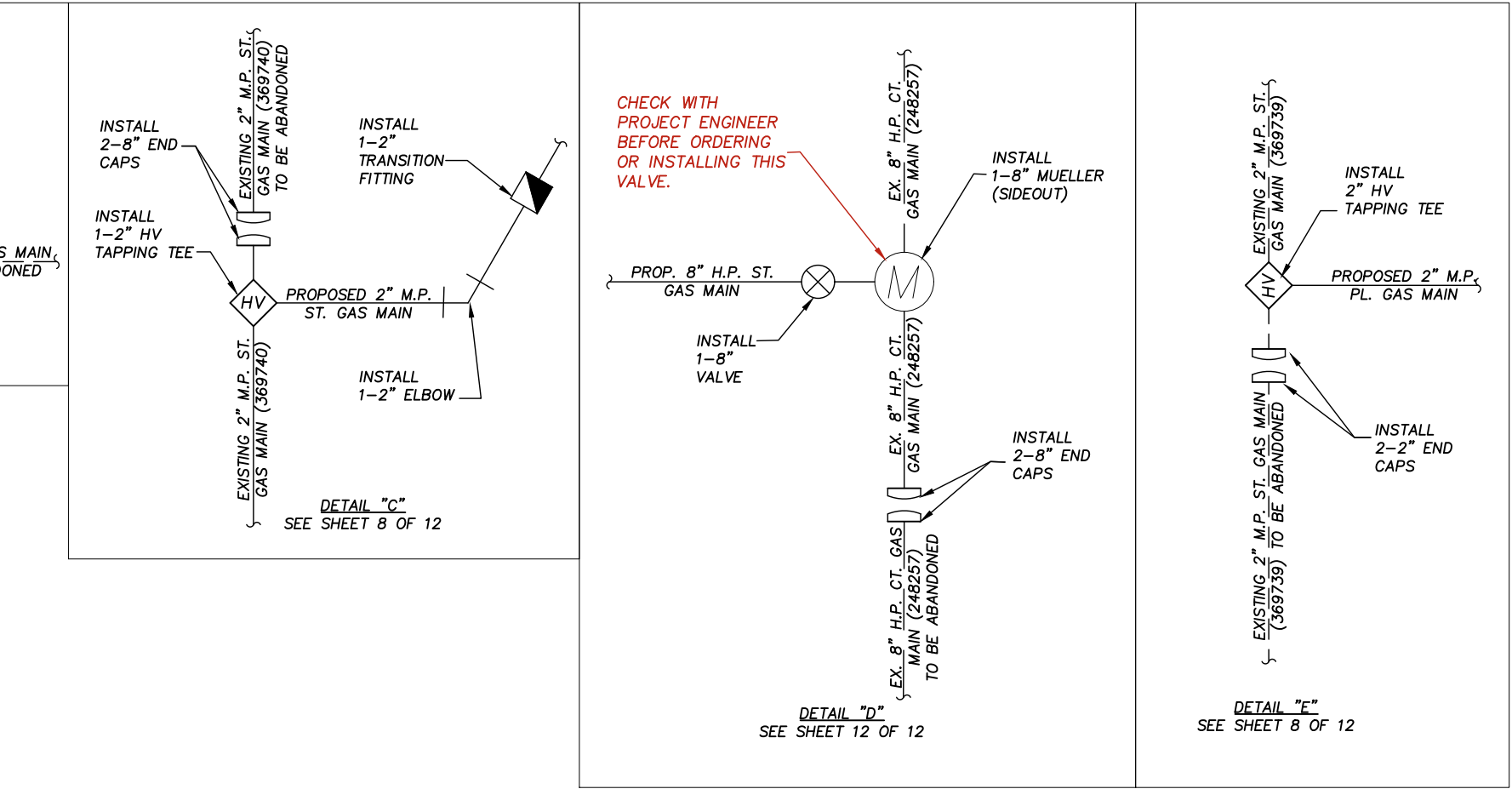
REQUIRED PERMITS:
KYTC



DETAIL "F"
SHEET 6 OF 12
REV 3 - (1/8/2025)

Material Item	Description	Est Qt	UOM
0121443	ELL,BUTT WLD,4",90DEG,STANDARD,LONG RADIUS	2	EA
0121460	ELL,BUTT WELD,8",90DEG,SCH-40,LONG RADIUS	9	EA
0121678	REDUCER,BUTT WELD,4"X2",SCH 40 CONCENTRIC	2	EA
0394994	VALVE,BALL,BUTT,2"IPS X0.216"WALL SDR 11,PE 2406	2	EA
0395001	VALVE,BALL,BUTT,4"IPS X0.395"WALL SDR 11.5,PE 2406	1	EA
0395086	CAP,PIPE,BUTT,2"IPS X0.216" WALL SDR 11,PE 2406 10/PKG	2	EA
0395101	TEE,PIPE,BUTT,2"IPS X0.216"WALL SDR 11 PE 2406 10/PKG	2	EA
0395127	REDUCER,PIPE,BUTT,4"IPS X2"IPS X0.216" WALL SDR 11,PE 2406	1	EA
0395160	PIPE,PE 2406,CDC,4"IPS X0.395"WALL, SDR 11.5,40' LENGTHS BU	1	FT
0484143	PIPE,PE 2406,CSC,8" X0.693 WALL,SDR 13.5,BULK PKG = 360';TR	3000	FT
0513551	TEE.TAPPING.2" X2".ELECTROFUSION,HVTT.2" IPS X2" IPS.PE 2	2	EA
0917235	FITTING, TRANSITION, 2" IPS, SDR 11, PE2406 BUTT FUSION X WE	4	EA
0928835	VALVE,PLUG,8" MODEL 2045 1/2, 300# ANSI, WELD x WELD, USED I	2	EA
1164801	ANODE,1LB,HIGH POTENTIAL,MAGNESIUM,WITH 10' RED 12GA SOL WIR	2	EA
1164835	ANODE,17LB,HIGH POTENTIAL,MAGNESIUM,WITH 10' RED 12GA SOL WI	2	EA
1165219	CAP,PIPE,WELD,8",GRD B,0.219 WALL,STEEL	4	EA
1166719	ELL,PIPE,BUTT,90DEG,2"IPS X0.216" WALL,SDR 11,PE 2406 10/PK	11	EA
1170043	PIPE, STEEL, 2", SCH 40/STD, 0.154" WALL, API 5L, GRADE X52,	360	FT
1170094	PIPE,PE 2406 CDC,2"IPS X0.216"WALL SR 11.0,500' CONTINUOUS L	1345	FT
1170878	REDUCER,PIPE,WELD/WELD,8"X4",FS 8"(0.219 THK) X 4"(0.188 TH	2	EA
1171919	FITTING, LINE STOPPER, WELDING, 8", THIN WALL MAIN (0.125"-0	2	EA
1172527	TEE,PIPE,WELD,8",0.219THK,FS	2	EA
1197943	PIPE,STL,4",THIN FILM FUSION BONDED, 4.500"OD.,,188" WALL,AP	30	FT
1197960	PIPE,STL,8",THIN FILM FUSION BONDED, 8.625"OD.,,188"WALL,API	4615	FT
3007640	WIRE.TRACER.# 12 SOLID.COPPERHEAD.ORANGE.12450-EHS.CU CLAD.P	3800	FT
3007641	WIRE.TRACER.#12 CU.19 STR.YELLOW.PE30.500 FOOT SPOOL	546	FT
3020662	VALVE, BALL, FLOATING, 2", FULL PORT, ANSI 300, WELD ENDS, C	2	EA
8800005	SAND BACKFILL	1665	YD
8800919	LABOR TAP 6-8 LNESTPR EQUIP ADDER 40 PERCENT	2	EA

BILL OF MATERIAL



BLOCK AND VENT VALVES
REV 3 - (1/8/2025)

CONTRACT NUMBER:

1165091

"Exhibit DRAW"

LOUISVILLE GAS and ELECTRIC COMPANY
a PPL company
POWER DELIVERY ENGINEERING

DATE: 05/06/2021
REV. 3 DATE: 1/8/2025
SCALE: NTS
CHECKED BY: A.T.

CREW: SOUTHERN
DRAWN BY: T.BEESON
PHONE #: 502-377-7626

GENERAL NOTES-DETAIL SHEET
HWY 245 WIDENING
SHEPHERDSVILLE, KY 40165

WR#: 6834707
PROJECT#: 408000171
TASK#: 683470701
TASK#: 6834707R02
SHEET 2 OF 12

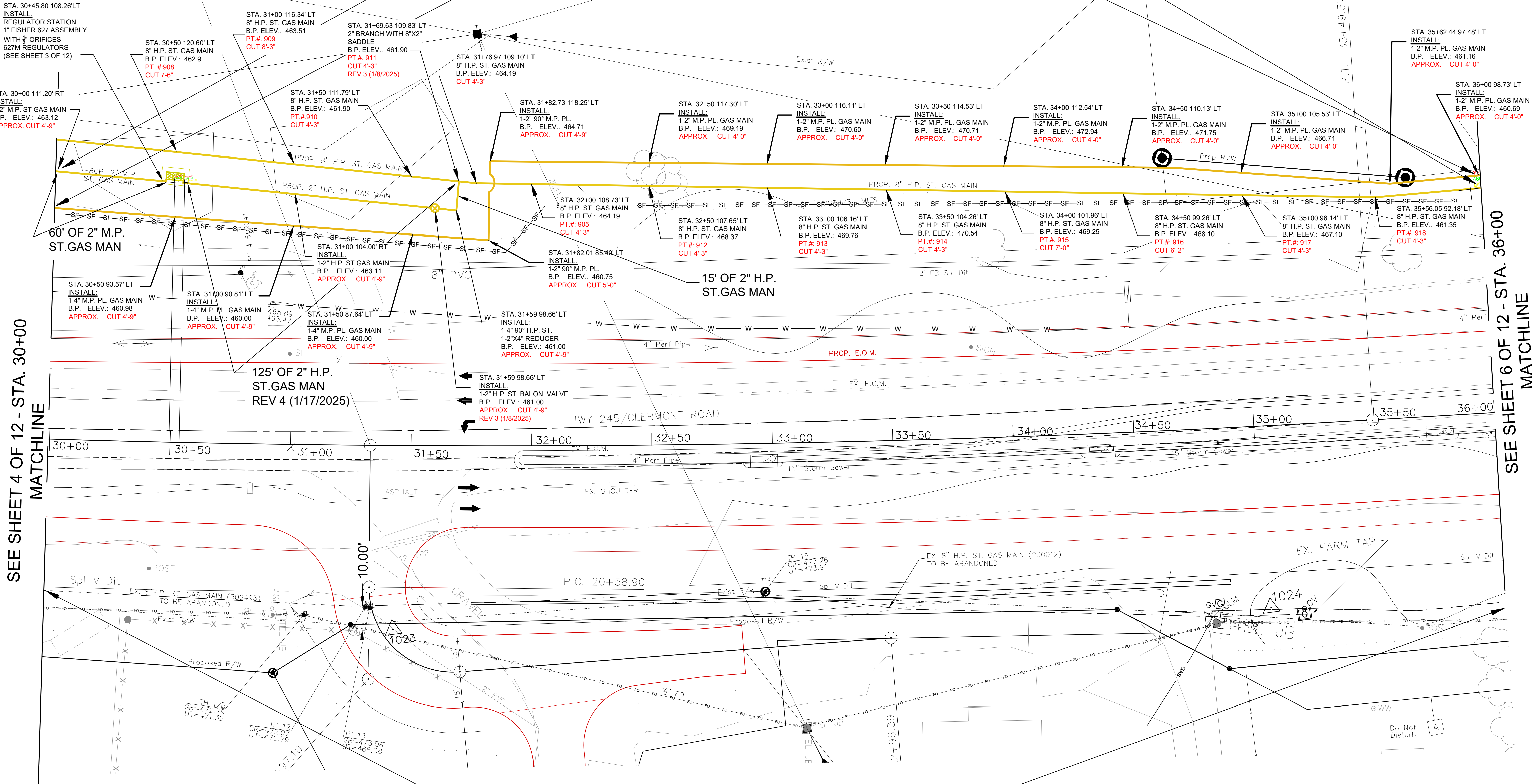
PATH OF DRAWING LOCATION

SEE SHEET 4 OF 12 - STA. 30+00

MATCHLINE

SEE SHEET 6 OF 12 - STA. 36+00

MATCHLINE



GAS LEGEND

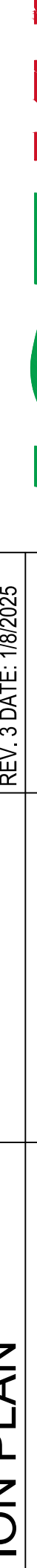
- EXISTING GAS MAIN
- ===== PROPOSED GAS MAIN
- ===== EXISTING WATER MAIN
- ===== EXISTING SEWER MAIN
- SF- SILT FENCE

RETIRE 610' OF 8" H.P. ST. GAS MAIN



CONTRACT NUMBER:

1165091
"Exhibit DRAW"

WR#: 6834707 PROJECT#: 406000171 TASK#: 683470701 TASK#: 6834707R02 SHEET 5 OF 12	LGE GAS & ELECTRIC ENGINEERING CONSTRUCTION PLAN HWY 245 WIDENING SHEPHERDSVILLE, KY 40165	CREW: SOUTHERN	DATE: 05/06/2021 REV. 3 DATE: 1/8/2025
		DRAWN BY: T.BEESON	SCALE: 1:20
		PHONE #: 502-377-7626	CHECKED BY: A.T.
		 LOUISVILLE GAS and ELECTRIC COMPANY a PPL company POWER DELIVERY ENGINEERING	



LOUISVILLE GAS and ELECTRIC COMPANY
a PPL company
POWER DELIVERY ENGINEERING

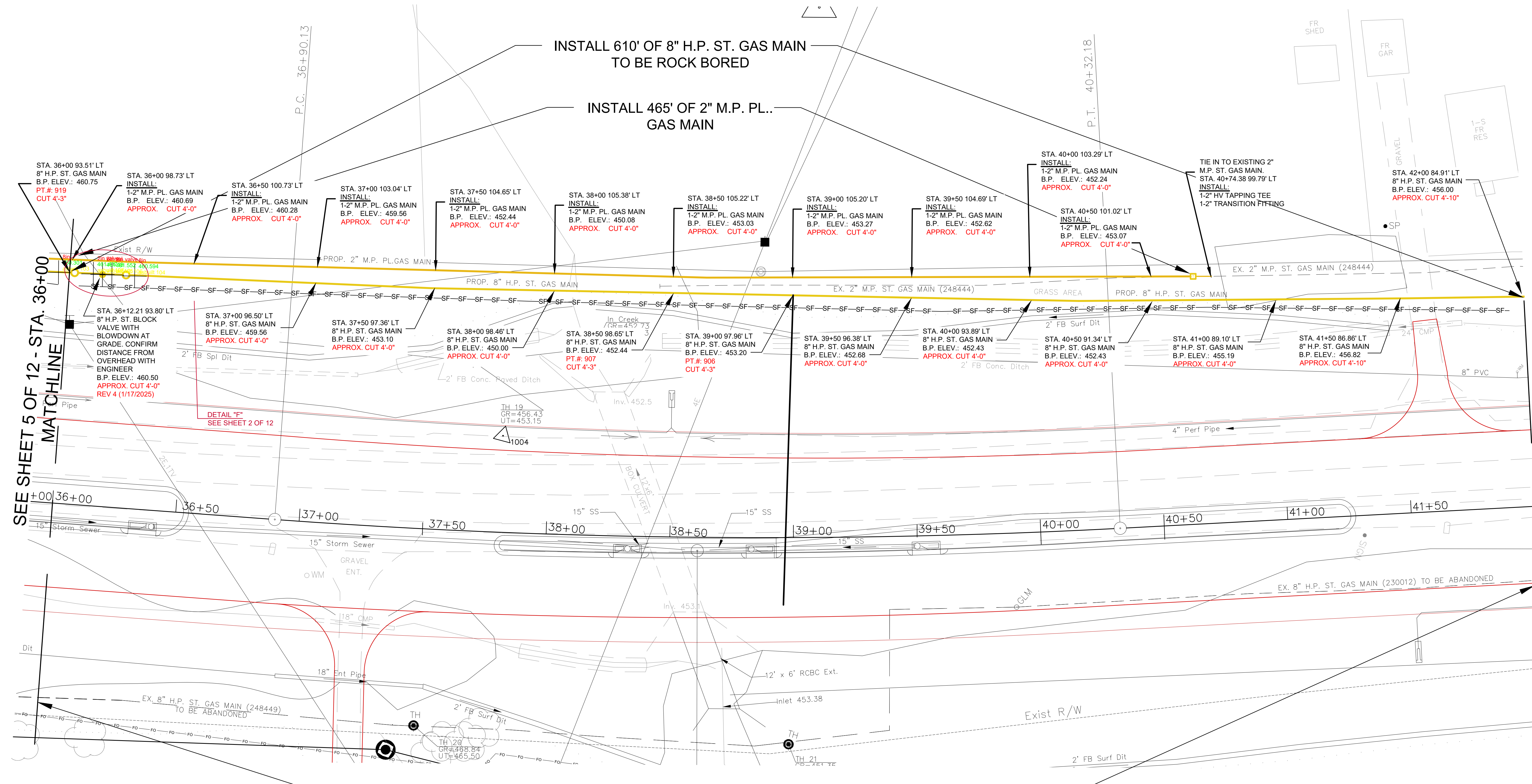


- GAS LEGEND**
- EXISTING GAS MAIN
 - ===== PROPOSED GAS MAIN
 - ===== EXISTING WATER MAIN
 - ===== EXISTING SEWER MAIN
 - SF- SILT FENCE

RETIRE 665' OF H.P. ST. GAS MAIN



CONTRACT NUMBER:
1165091
"Exhibit DRAW"



WR#: 6834707 PROJECT#: 406000171 TASK#: 683470701 TASK#: 6834707R02 SHEET 6 OF 12	LGE GAS & ELECTRIC ENGINEERING CONSTRUCTION PLAN HWY 245 WIDENING SHEPHERDSVILLE, KY 40165	CREW: SOUTHERN	DATE: 05/06/2021 REV. 4 DATE: 11/18/2025
		DRAWN BY: T.BEESON	SCALE: 1:20 CHECKED BY: A.T.

LOUISVILLE GAS and ELECTRIC COMPANY
a PPL company
POWER DELIVERY ENGINEERING

PATH OF DRAWING LOCATION

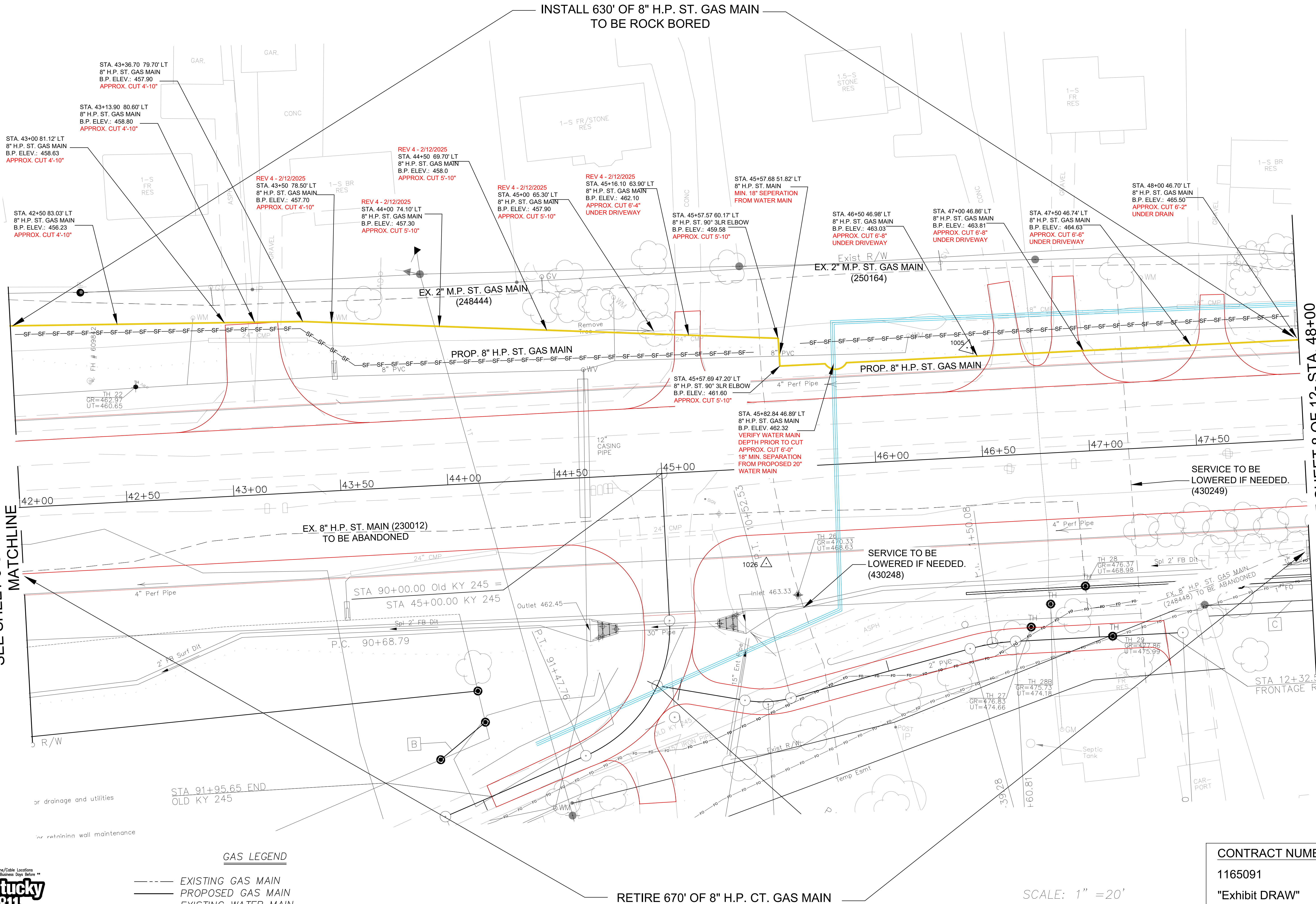
SEE SHEET 6 OF 12 - STA. 42+00

MATCHLINE

or drainage and utilities
or retaining wall maintenance

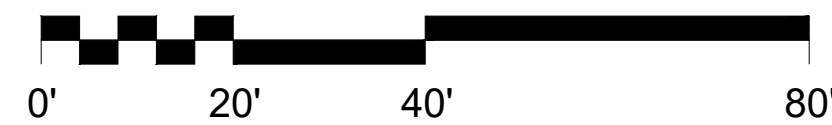
GAS LEGEND

- EXISTING GAS MAIN
- PROPOSED GAS MAIN
- EXISTING WATER MAIN
- EXISTING SEWER MAIN
- SF- SILT FENCE



RETIRE 670' OF 8" H.P. CT. GAS MAIN

SCALE: 1" = 20'



CONTRACT NUMBER:

1165091

"Exhibit DRAW"

SEE SHEET 8 OF 12- STA. 48+00
MATCHLINE

LGE GAS & ELECTRIC ENGINEERING
CONSTRUCTION PLAN

WR#: 6834707

PROJECT#: 406000171

TASK#: 683470701

TASK#: 6834707R02

SHEET 7 OF 12

HWY 245 WIDENING
SHEPHERDSVILLE, KY 40165

CREW: SOUTHERN

DRAWN BY: T.BEESON

PHONE #: 502-377-7626

DATE: 05/06/2021

REV. 4 DATE: 2/12/2025

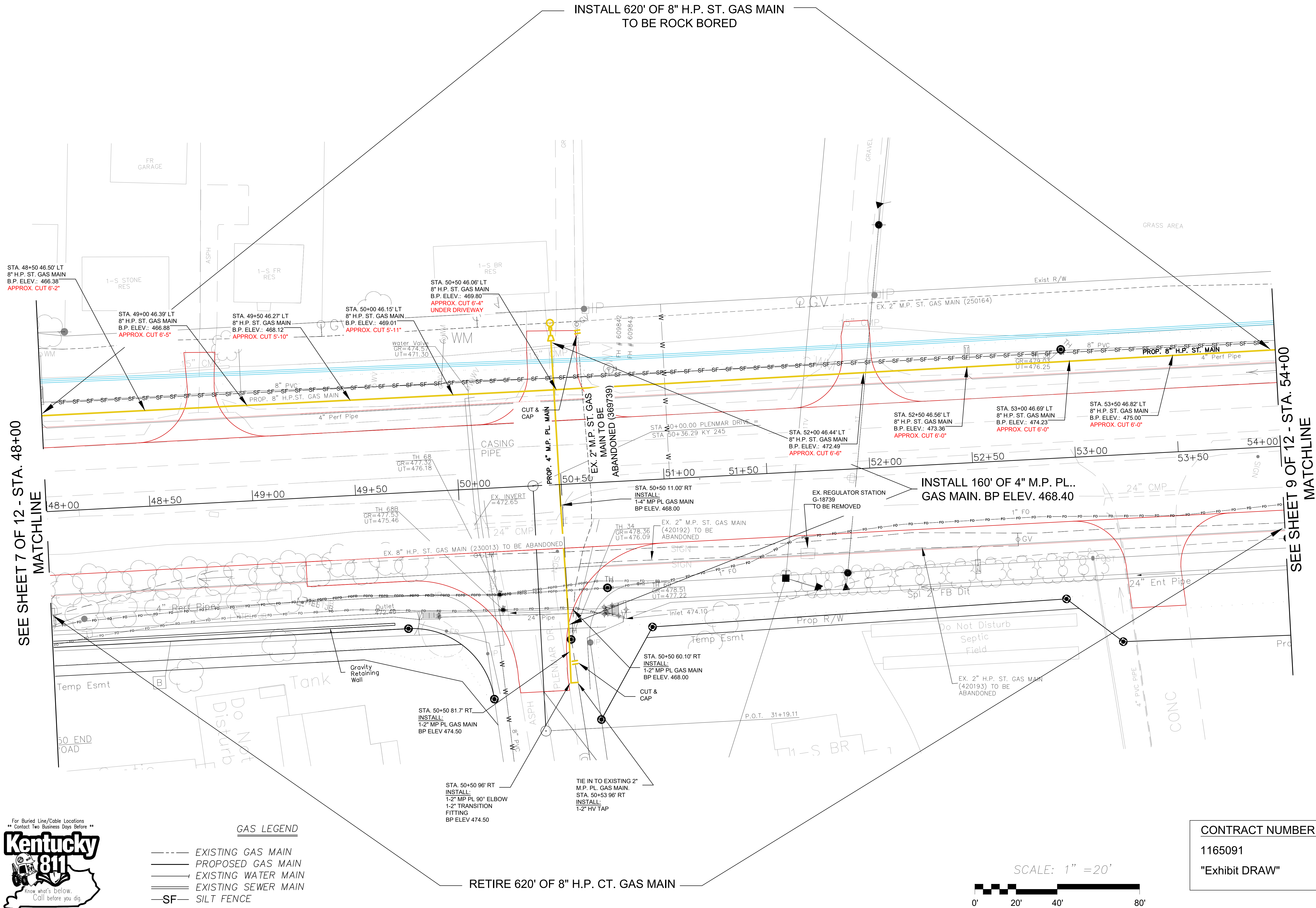
SCALE: 1:20

CHECKED BY: A.T.



LOUISVILLE GAS and ELECTRIC COMPANY
a PPL company
POWER DELIVERY ENGINEERING

PATH OF DRAWING LOCATION



GAS LEGEND

- EXISTING GAS MAIN
- ===== PROPOSED GAS MAIN
- EXISTING WATER MAIN
- EXISTING SEWER MAIN
- SF- SILT FENCE

RETIRE 620' OF 8" H.P. CT. GAS MAIN

SCALE: 1" = 20'



CONTRACT NUMBER:

1165091

"Exhibit DRAW"

LGE GAS & ELECTRIC ENGINEERING
CONSTRUCTION PLAN

HWY 245 WIDENING
SHEPHERDSVILLE, KY 40165

WR#: 6834707
PROJECT#: 406000171
TASK#: 683470701
TASK#: 6834707R02
SHEET 8 OF 12

CREW: SOUTHERN

DRAWN BY: T. BEESON

PHONE #: 502-377-7626

DATE: 05/06/2021

REV. 2 DATE: 1/6/2025

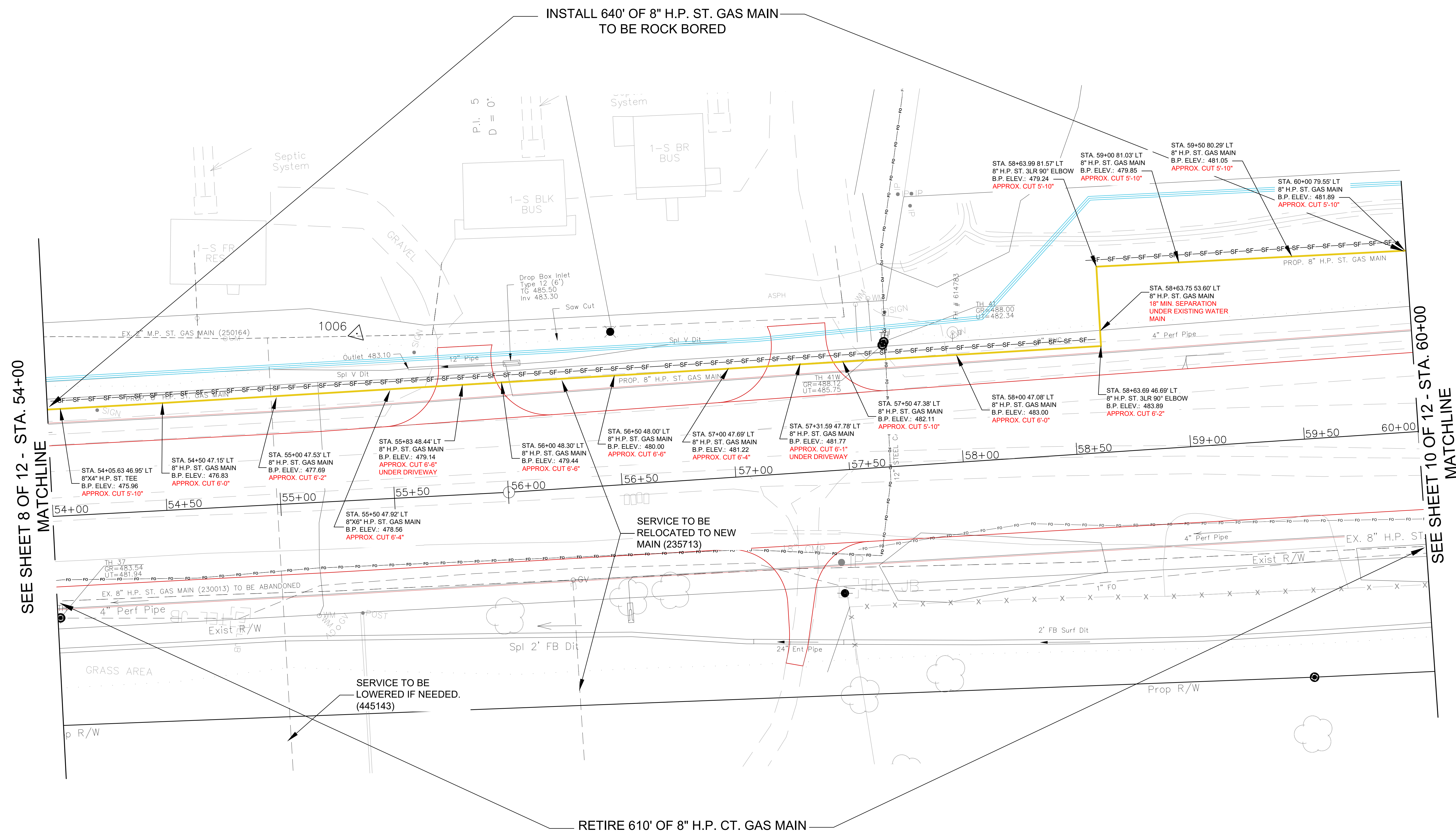
SCALE: 1:20

CHECKED BY: A.T.

LOUISVILLE GAS and ELECTRIC COMPANY
a PPL company
POWER DELIVERY ENGINEERING



PATH OF DRAWING LOCATION

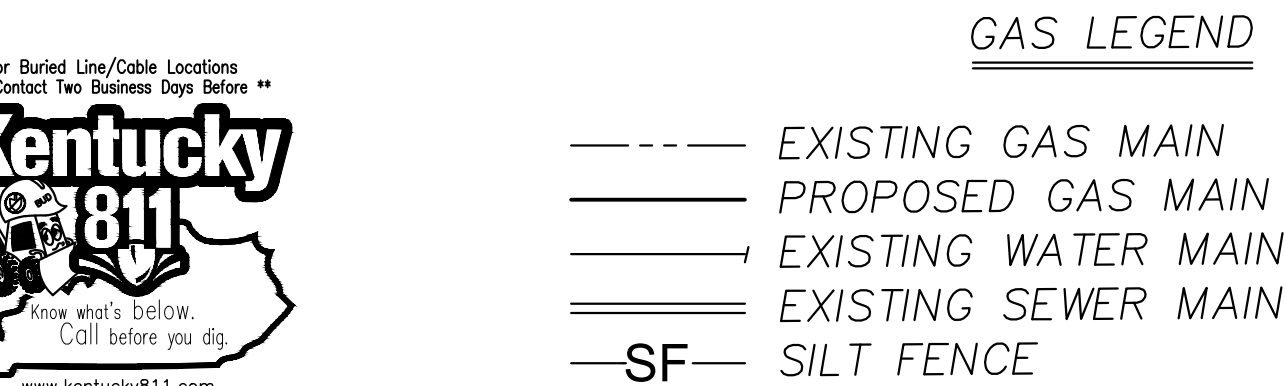


GAS LEGEND

CONTRACT NUMBER:



PATH OF DRAWING LOCATION



SCALE: 1" = 20'



A horizontal scale bar with four segments. The first segment is 0' to 20', the second is 20' to 40', the third is 40' to 60', and the fourth is 60' to 80'. The segments are labeled 0', 20', 40', and 80' at the bottom.

WR#: 6834707
PROJECT#: 406000
TASK#: 6834707I01
TASK#: 6834707R01
SHEET 10 OF

HWY 245 WIDENING
SHEPHERDSVILLE, KY 40165



LOUISVILLE GAS and ELECTRIC COMPANY
a PPL company
POWER DELIVERY ENGINEERING

PATH OF DRAWING LOCATION

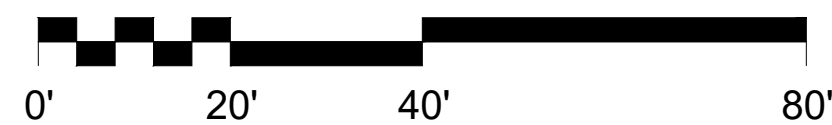


GAS LEGEND

- EXISTING GAS MAIN
- PROPOSED GAS MAIN
- - - EXISTING WATER MAIN
- EXISTING SEWER MAIN
- SF— SILT FENCE

RETIRE 510' OF 8" H.P. CT. GAS MAIN

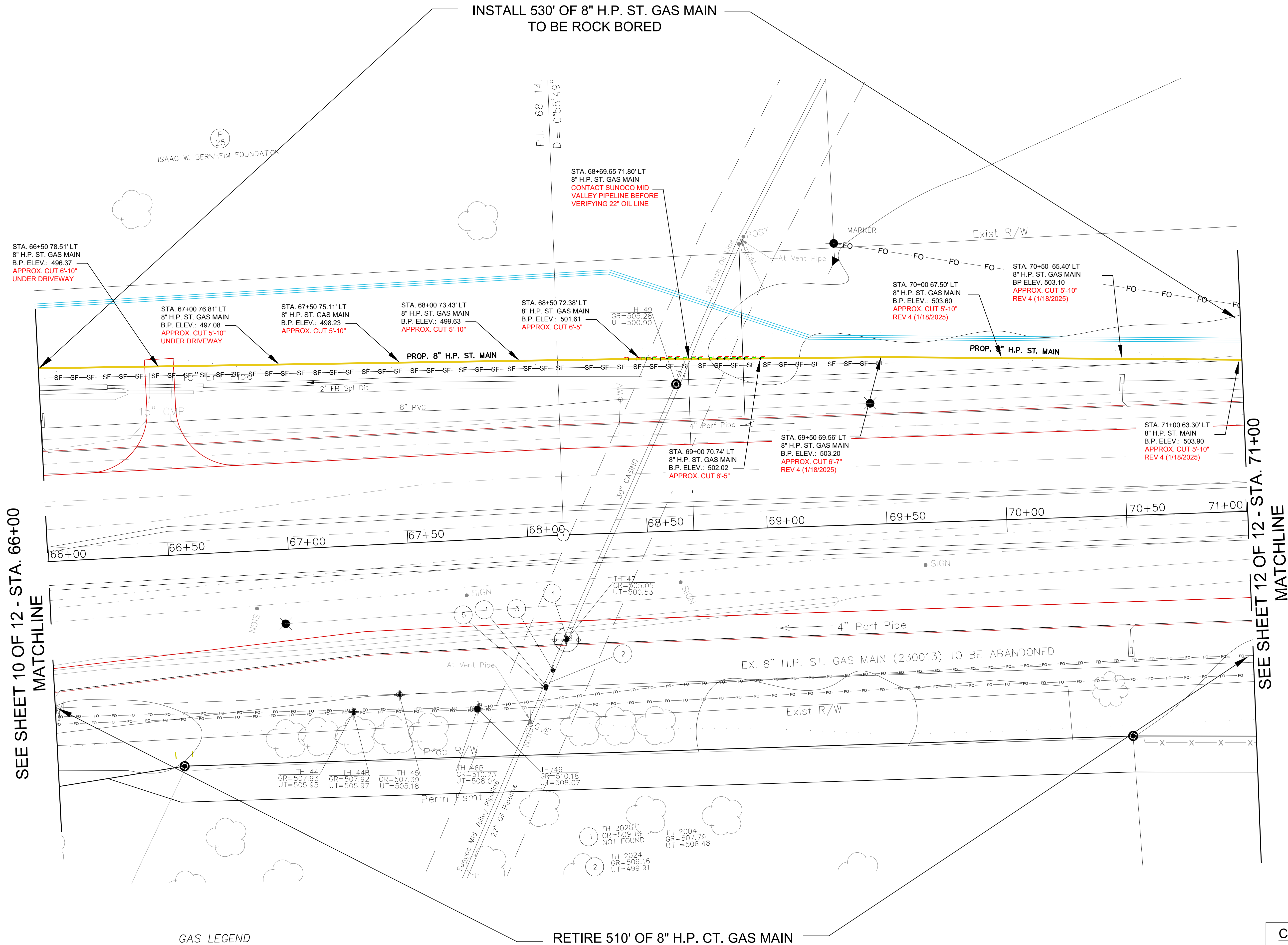
SCALE: 1" = 20'



CONTRACT NUMBER:

1165091

"Exhibit DRAW"



SEE SHEET 10 OF 12 - STA. 66+00
MATCHLINE

SEE SHEET 12 OF 12 - STA. 71+00
MATCHLINE

WR#: 6834707

PROJECT#: 406000171

TASK#: 683470701

TASK#: 6834707R02

SHEET 11 OF 12

LGE GAS & ELECTRIC ENGINEERING
CONSTRUCTION PLAN

CREW: SOUTHERN

DATE: 05/06/2021
REV. 4 DATE: 1/18/2025

HWY 245 WIDENING
SHEPHERDSVILLE, KY 40165

DRAWN BY: T. BEESON

SCALE: 1:20

CHECKED BY: A.T.
PHONE #: 502-377-7626



LOUISVILLE GAS and ELECTRIC COMPANY
a PPL company
POWER DELIVERY ENGINEERING

PATH OF DRAWING LOCATION

SEE SHEET 11 OF 12 - STA. 71+00
MATCHLINE

INSTALL 120' OF 8" H.P. ST. GAS MAIN
TO BE ROCK BORED

DETAIL "D"
SEE SHEET 2 OF 12

STA. 72+03 59' LT
8" WELD END INSULATOR
REV 4 (1/17/2025)

STA. 71+50 61.20' LT
8" H.P. ST. GAS MAIN
B.P. ELEV.: 505.60
APPROX. CUT 5'-10"
BP ELEV. 505.60
REV 4 (1/18/2025)

CHECK WITH PROJECT
ENGINEER BEFORE
ORDERING OR INSTALLING
THIS MUELLER FITTING.

CUT &
CAP

EX. 12" H.P. ST. GAS MAIN
(248457) TO BE ABANDONED

EX. GAS
SERVICE
(350134)

EX. GAS
SERVICE
(415314)

STA. 72+08 59' LT
TIE IN TO EXISTING GAS
MAIN.
INSTALL:
1-8" MUELLER
REV 4 (1/17/2025)

EX. 8" H.P. ST. GAS MAIN (230014)

1.5-S FR
BUS
FOREST EDGE WINERY

Fiber Optic Marker

Outlet 515.54

Gas Regulator

8" PVC

18"

18"

18"

18"

18"

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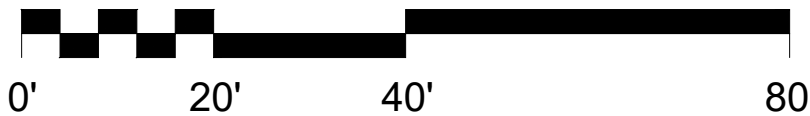
STA 50+00.00 CHAPEZE LANE (KY 32)
STA 76+14.42 KY 245

RETIRE 255' OF 12" H.P. CT. GAS MAIN

GAS LEGEND

- EXISTING GAS MAIN
- PROPOSED GAS MAIN
- EXISTING WATER MAIN
- EXISTING SEWER MAIN
- SF- SILT FENCE

SCALE: 1" = 20'



CONTRACT NUMBER:

1165091

"Exhibit DRAW"

For Buried Line/Cable Locations
** Contact Two Business Days Before **



WR#: 6834707 PROJECT#: 406000171 TASK#: 683470701 TASK#: 6834707R02 SHEET 12 OF 12	LGE GAS & ELECTRIC ENGINEERING CONSTRUCTION PLAN		DATE: 05/06/2021 REV. 4 DATE: 11/18/2025	CREW: SOUTHERN	LOUISVILLE GAS and ELECTRIC COMPANY a PPL company POWER DELIVERY ENGINEERING
	HWY 245 WIDENING SHEPHERDSVILLE, KY 40165		SCALE: 1:20 CHECKED BY: A.T.	DRAWN BY: T.BEESON PHONE #: 502-377-7626	

PATH OF DRAWING LOCATION