



Andy Beshear
GOVERNOR

TRANSPORTATION CABINET

200 Mero Street
Frankfort, Kentucky 40601

Jim Gray
SECRETARY

February 22, 2023

CALL NO. 108
CONTRACT ID NO. 231311
ADDENDUM # 3

Subject: Jefferson County, STP 8714 (019)
Letting February 23, 2023

- (1) Revised - Compaction/ Ride Quality - Pages 2 & 9 of 510
- (2) Revised - Proposal Bid Items - Pages 508-510 of 510
- (3) Revised - Plan Sheets - R2B, R19t, R19u, R19w, R19v, U13, X1-X26

Proposal revisions are available at <http://transportation.ky.gov/Construction-Procurement/>.

If you have any questions, please contact us at 502-564-3500.

Sincerely,

Rachel Mills,

A handwritten signature in black ink that reads "Rachel Mills".

Rachel Mills, P.E.
Director
Division of Construction Procurement

RM:mr
Enclosures

TABLE OF CONTENTS

PART I	SCOPE OF WORK
	<ul style="list-style-type: none">• PROJECT(S), COMPLETION DATE(S), & LIQUIDATED DAMAGES• CONTRACT NOTES• FEDERAL CONTRACT NOTES• ASPHALT MIXTURE• DGA BASE• INCIDENTAL SURFACING• ASPHALT PAVEMENT RIDE QUALITY CAT A• COMPACTION OPTION A• SPECIAL NOTE(S) APPLICABLE TO PROJECT• TREE REMOVAL• PIPELINE INSPECTION• NON-TRACKING TACK COAT• CONTRACT COMPLETION DATE AND LIQUIDATED DAMAGES• RIGHT OF WAY CERTIFICATION• UTILITY IMPACT & RAIL CERTIFICATION NOTES• GENERAL UTILITY NOTES• WATER STANDARD UTILITY BID ITEMS• WATERLINE SPECIFICATIONS• SEWER STANDARD UTILITY BID ITEMS• SEWERLINE SPECS• DEPT OF ARMY - NATIONWIDE PERMIT• KPDES STORM WATER PERMIT, BMP AND ENOI• COMMUNICATING ALL PROMISES
PART II	SPECIFICATIONS AND STANDARD DRAWINGS
	<ul style="list-style-type: none">• SPECIFICATIONS REFERENCE• SUPPLEMENTAL SPECIFICATION• [SN-11] PORTABLE CHANGEABLE SIGNS• [SN-11M] BARCODE LABEL ON PERMANENT SIGNS• [SN-11N] LONGITUDINAL PAVEMENT JOINT ADHESIVE
PART III	EMPLOYMENT, WAGE AND RECORD REQUIREMENTS
	<ul style="list-style-type: none">• FEDERAL-AID CONSTRUCTION CONTRACTS - FHWA 1273• NONDISCRIMINATION OF EMPLOYEES• EXECUTIVE BRANCH CODE OF ETHICS• PROJECT WAGE RATES LOCALITY 3 / FEDERAL• NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE EEO JEFFERSON
PART IV	INSURANCE
PART V	BID ITEMS

ASPHALT MIXTURE

Unless otherwise noted, the Department estimates the rate of application for all asphalt mixtures to be 110 lbs/sy per inch of depth.

DGA BASE

Unless otherwise noted, the Department estimates the rate of application for DGA Base to be 115 lbs/sy per inch of depth.

INCIDENTAL SURFACING

The Department has included in the quantities of asphalt mixtures established in the proposal estimated quantities required for resurfacing or surfacing mailbox turnouts, farm field entrances, residential and commercial entrances, curve widening, ramp gores and tapers, and road and street approaches, as applicable. Pave these areas to the limits as shown on Standard Drawing RPM-110-06 or as directed by the Engineer. In the event signal detectors are present in the intersecting streets or roads, pave the crossroads to the right of way limit or back of the signal detector, whichever is the farthest back of the mainline. Surface or resurface these areas as directed by the Engineer. The Department will not measure placing and compacting for separate payment but shall be incidental to the Contract unit price for the asphalt mixtures.

ASPHALT PAVEMENT RIDE QUALITY CATEGORY A

The Department will apply Pavement Rideability Requirements on this project in accordance with Section 410, Category A.

OPTION A

Be advised that the Department will accept compaction of asphalt mixtures furnished for driving lanes and ramps, at 1 inch (25mm) or greater, on this project according to OPTION A in accordance with Section 402 and Section 403 of the current Standard Specifications. The Department will require joint cores as described in Section 402.03.02 for surface mixtures only. The Department will accept compaction of all other asphalt mixtures according to OPTION B.

PROPOSAL BID ITEMS

231311

Page 1 of 3

Report Date 2/22/23

Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00003		CRUSHED STONE BASE	2,516.00	TON		\$	
0020	00100		ASPHALT SEAL AGGREGATE	1.00	TON		\$	
0030	00103		ASPHALT SEAL COAT	1.00	TON		\$	
0040	00214		CL3 ASPH BASE 1.00D PG64-22	2,730.00	TON		\$	
0050	00358		ASPHALT CURING SEAL	9.00	TON		\$	
0060	00388		CL3 ASPH SURF 0.38B PG64-22	495.00	TON		\$	
0070	02702		SAND FOR BLOTTER	7.00	TON		\$	
0080	20071EC		JOINT ADHESIVE	2,666.00	LF		\$	
0090	24970EC		ASPHALT MATERIAL FOR TACK NON-TRACKING	1.00	TON		\$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0100	00001		DGA BASE	199.00	TON		\$	
0110	00078		CRUSHED AGGREGATE SIZE NO 2	2.00	TON		\$	
0120	01811		STANDARD CURB AND GUTTER MOD	2,540.00	LF		\$	
0130	01987		DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	38.00	EACH		\$	
0140	01990		DELINEATOR FOR BARRIER WALL-B/W	3.00	EACH		\$	
0150	02001		CURB TO BARRIER WALL TRANS	2.00	EACH		\$	
0160	02014		BARRICADE-TYPE III (REVISED 2-22-23)	8.00	EACH		\$	
0170	02220		FLOWABLE FILL	23.00	CUYD		\$	
0175	02231		STRUCTURE GRANULAR BACKFILL (ADDED 2-22-23)	750.00	CUYD		\$	
0180	02360		GUARDRAIL TERMINAL SECTION NO 1	7.00	EACH		\$	
0190	02381		REMOVE GUARDRAIL	1,220.00	LF		\$	
0200	02391		GUARDRAIL END TREATMENT TYPE 4A	2.00	EACH		\$	
0210	02429		RIGHT-OF-WAY MONUMENT TYPE 1	17.00	EACH		\$	
0220	02432		WITNESS POST	21.00	EACH		\$	
0230	02545		CLEARING AND GRUBBING APPROX. 3 ACRES	1.00	LS		\$	
0240	02562		TEMPORARY SIGNS	625.00	SQFT		\$	
0250	02585		EDGE KEY	40.00	LF		\$	
0260	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0270	02671		PORTABLE CHANGEABLE MESSAGE SIGN (REVISED 2-22-23)	3.00	EACH		\$	
0280	02701		TEMP SILT FENCE	1,320.00	LF		\$	
0290	02704		SILT TRAP TYPE B	5.00	EACH		\$	
0300	02705		SILT TRAP TYPE C	15.00	EACH		\$	
0310	02707		CLEAN SILT TRAP TYPE B	15.00	EACH		\$	
0320	02708		CLEAN SILT TRAP TYPE C	45.00	EACH		\$	
0330	02720		SIDEWALK-4 IN CONCRETE	867.00	SQYD		\$	
0340	02726		STAKING	1.00	LS		\$	
0350	04933		TEMP SIGNAL 2 PHASE	8.00	EACH		\$	
0360	05950		EROSION CONTROL BLANKET	2,080.00	SQYD		\$	

PROPOSAL BID ITEMS

231311

Page 2 of 3

Report Date 2/22/23

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0370	05952		TEMP MULCH	21,393.00	SQYD		\$	
0380	05953		TEMP SEEDING AND PROTECTION	21,393.00	SQYD		\$	
0390	05963		INITIAL FERTILIZER	1.00	TON		\$	
0400	05964		MAINTENANCE FERTILIZER	1.00	TON		\$	
0410	05985		SEEDING AND PROTECTION	21,393.00	SQYD		\$	
0420	05989		SPECIAL SEEDING CROWN VETCH	2,139.00	SQYD		\$	
0430	05992		AGRICULTURAL LIMESTONE	1.00	TON		\$	
0440	06406		SBM ALUM SHEET SIGNS .080 IN	85.00	SQFT		\$	
0450	06410		STEEL POST TYPE 1	200.00	LF		\$	
0460	06542		PAVE STRIPING-THERMO-6 IN W	2,040.00	LF		\$	
0470	06543		PAVE STRIPING-THERMO-6 IN Y	7,018.00	LF		\$	
0480	06568		PAVE MARKING-THERMO STOP BAR-24IN	28.00	LF		\$	
0490	06569		PAVE MARKING-THERMO CROSS-HATCH	413.00	SQFT		\$	
0500	06574		PAVE MARKING-THERMO CURV ARROW	5.00	EACH		\$	
0505	08002		STRUCTURE EXCAV-SOLID ROCK (ADDED 2-22-23)	40.00	CUYD		\$	
0520	20591EC		REMOVE BARRIER	324.00	LF		\$	
0530	21134ND		REMOVE-STORE AND REINSTALL SIGN	2.00	EACH		\$	
0540	21373ND		REMOVE SIGN	3.00	EACH		\$	
0550	21553EN		EMBANKMENT (REVISED 2-22-23)	19,803.00	CUYD		\$	
0560	21802EN		G/R STEEL W BEAM-S FACE (7 FT POST)	1,460.00	LF		\$	
0570	23158ES505		DETECTABLE WARNINGS	72.00	SQFT		\$	
0590	24489EC		INLAID PAVEMENT MARKER	59.00	EACH		\$	
0600	24631EC		BARCODE SIGN INVENTORY	16.00	EACH		\$	
0610	24814EC		PIPELINE INSPECTION	1,788.00	LF		\$	
0620	24845EC		UTILITY COORDINATION	1.00	LS		\$	
0640	25079ED		THRIE BEAM GUARDRAIL TRANSITION TL-2	2.00	EACH		\$	

Section: 0003 - DRAINAGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0650	00522		STORM SEWER PIPE-18 IN	792.00	LF		\$	
0660	00524		STORM SEWER PIPE-24 IN	996.00	LF		\$	
0670	01000		PERFORATED PIPE-4 IN	84.00	LF		\$	
0680	01010		NON-PERFORATED PIPE-4 IN	16.00	LF		\$	
0690	01020		PERF PIPE HEADWALL TY 1-4 IN	2.00	EACH		\$	
0700	01371		METAL END SECTION TY 1-18 IN	2.00	EACH		\$	
0710	01480		CURB BOX INLET TYPE B	20.00	EACH		\$	
0720	01496		DROP BOX INLET TYPE 3	2.00	EACH		\$	
0730	01670		SPRING BOX INLET TYPE B	1.00	EACH		\$	
0740	02484		CHANNEL LINING CLASS III	252.00	TON		\$	
0750	02607		FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	1,951.00	SQYD	\$2.00	\$	\$3,902.00
0760	08003		FOUNDATION PREPARATION	1.00	LS		\$	
0770	21804EN		3-SIDED CULVERT	48.00	LF		\$	
0780	23988EC		GRASS SWALE	143.00	SQYD		\$	

Section: 0004 SEWER

PROPOSAL BID ITEMS

231311

Page 3 of 3

Report Date 2/22/23

SECTION: 0004 - SEWER

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0790	15012		S ENCASMENT CONCRETE	51.00	LF		\$	
0800	15061		S FORCE MAIN PVC 08 INCH	111.00	LF		\$	
0810	15075		S FORCE MAIN TIE-IN 08 INCH	2.00	EACH		\$	

Section: 0005 - WATERLINE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0820	14002		W AIR RELEASE VALVE SPECIAL	4.00	EACH		\$	
0825	02690		SAFELOADING (ADDED 2-22-23)	90.00	CUYD		\$	
0830	14005		W ENCASMENT CONCRETE	75.00	LF		\$	
0840	14015		W ENCASMENT STEEL OPEN CUT RANGE 4	140.00	LF		\$	
0850	14019		W FIRE HYDRANT ASSEMBLY	2.00	EACH		\$	
0860	14023		W FLUSHING ASSEMBLY	1.00	EACH		\$	
0870	14030		W METER RELOCATE	1.00	EACH		\$	
0880	14036		W PIPE DUCTILE IRON 06 INCH	105.00	LF		\$	
0890	14047		W PIPE DCTL IRON RSTRND JOINT 06 IN	125.00	LF		\$	
0900	14050		W PIPE DCTL IRON RSTRND JOINT 12 IN	1,570.00	LF		\$	
0910	14074		W PLUG EXISTING MAIN	4.00	EACH		\$	
0920	14082		W SERV PE/PLST SHORT SIDE 1 IN	2.00	EACH		\$	
0930	14094		W TIE-IN 06 INCH	2.00	EACH		\$	
0940	14097		W TIE-IN 12 INCH	2.00	EACH		\$	
0950	14105		W VALVE 06 INCH	3.00	EACH		\$	
0960	14108		W VALVE 12 INCH	7.00	EACH		\$	
0970	14153		W LEAK DETECTION METER	1.00	EACH		\$	

Section: 0006 - RETAINING WALL

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0980	08003		FOUNDATION PREPARATION	1.00	LS		\$	
0990	08018		RETAINING WALL	1,357.00	SQFT		\$	
1000	23378EC		CONCRETE SEALING	1,746.00	SQFT		\$	
1010	25028ED		RAIL SYSTEM SINGLE SLOPE - 40 IN	100.00	LF		\$	

Section: 0007 - DEMOBILIZATION AND MOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1020	02568		MOBILIZATION	1.00	LS		\$	
1030	02569		DEMOBILIZATION	1.00	LS		\$	

GENERAL SUMMARY

ITEM	DESCRIPTION	UNIT	KY 22	SPRINGCREST DRIVE	BROWNHURST COVE ROAD															PROJECT TOTALS
1	DCA BASE (UNDER SIDEWALK)	TON	199																	199
78	CRUSHED AGGREGATE SIZE NO 2	TON	2																	2
1811	STANDARD CURB AND GUTTER MOD	LF	2540																	2540
1987	DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	EACH	38																	38
1990	DELINEATOR FOR BARRIER WALL-B/W	EACH	3																	3
2001	CURB TO BARRIER WALL TRANS	EACH	2																	2
2014	BARRICADE-TYPE III	EACH	4	3	1															8
2220	FLOWABLE FILL	CUYD	23																	23
2360	GUARDRAIL TERMINAL SECTION NO. 1	EACH	7																	7
2381	REMOVE GUARDRAIL	LF	1220																	1220
2391	GUARDRAIL END TREATMENT TYPE 4A	EACH	2																	2
2429	RIGHT-OF-WAY MONUMENT TYPE 1	EACH	17																	17
2432	WITNESS POST	EACH	21																	21
2545	CLEARING AND GRUBBING	LS	1																	1
2562	TEMPORARY SIGNS	SOFT	625																	625
2568	MOBILIZATION	LS	1																	1
2569	DEMobilIZATION	LS	1																	1
2585	EDGE KEY	LF	40																	40
2650	MAINTAIN AND CONTROL TRAFFIC	LS	1																	1
2671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH	2	1																3
2701	TEMPORARY SILT FENCE	LF	1320																	1320
2704	SILT TRAP TYPE B	EACH	5																	5
2705	SILT TRAP TYPE C	EACH	15																	15
2707	CLEAN SILT TRAP TYPE B	EACH	15																	15
2708	CLEAN SILT TRAP TYPE C	EACH	45																	45
2720	SIDEWALK - 4 INCH CONCRETE	SOYD	867																	867
2726	STAKING	LS	1																	1
4933	TEMP SIGNAL - 2 PHASE	EACH	8																	8
5950	EROSION CONTROL BLANKET	SOYD	2080																	2080
5952	TEMP MULCH	SOYD	21393																	21393
5953	TEMP SEEDING AND PROTECTION	SOYD	21393																	21393
5963	INITIAL FERTILIZER	TON	1																	1
5964	MAINTENANCE FERTILIZER	TON	1																	1
5985	SEEDING AND PROTECTION	SOYD	21393																	21393
5989	SPECIAL SEEDING CROWN VETCH	SOYD	2139																	2139
5992	AGRICULTURAL LIMESTONE	TON	1																	1
6406	SIGN BASE MATERIAL - ALUMINUM - SHEETING SIGNS - 0.080 GAUGE	SOFT	85																	85
6410	STEEL POST - TYPE 1	LF	200																	200
6542	PAVE STRIPING-THERMO-6 IN W	LF	2040																	2040
6543	PAVE STRIPING-THERMO-6 IN Y	LF	7018																	7018
6568	PAVE MARKING-THERMO STOP BAR-24IN	LF	15	13	15															28
6569	PAVE MARKING-THERMO CROSS-HATCH	SOFT	413																	413
6574	PAVE MARKING-THERMO CURV ARROW	EACH	5																	5
20591EC	REMOVE BARRIER	LF	324																	324
21134ND	REMOVE-STORE & REINSTALL SIGN	EACH	2																	2
21373ND	REMOVE SIGN	EACH	3																	3
21553EN	EMBANKMENT	CUYD	16935	554	1															17490
21802EN	G/R STEEL W BEAM-S FACE (7 FT POST)	LF	1460																	1460
23158ES505	DETECTABLE WARNINGS	SOFT	72																	72
24489EC	INLAID PAVEMENT MARKER	EACH	59																	59
24631EC	BARCODE SIGN INVENTORY	EACH	16																	16
2481MEC	PIPELINE INSPECTION	LF	1788																	1788
24845EC	UTILITY COORDINATION	LS	1																	1
25079ED	THRIE BEAM GUARDRAIL TRANSITION TL-2	EACH	2																	2
2231	STRUCTURE GRANULAR BACKFILL	CUYD	750																	750
8002	STRUCTURE EXCAVATION SOLID ROCK	CUYD	40																	40

NOTES:

TOTAL PROJECT EARTHWORK
 2,772 CU YDS COMMON EXCAVATION
 17,490 CU YD EMBANKMENT
 2,313 CU YD EMBANKMENT BENCH

ESTIMATE FOR EARTHWORK CALCULATIONS FOR DESIGN ONLY. THE CONTRACTOR IS ADVISED THAT THE EARTHWORK CALCULATIONS SHOWN ARE FOR INFORMATION ONLY. ASSUMPTIONS FOR SHRINKAGE FACTORS ARE THE CONTRACTOR'S RESPONSIBILITY.

APPROXIMATE AREA OF CLEARING AND GRUBBING IS 1.5 ACRES.

GENERAL SUMMARY

GENERAL SUMMARY

Revised 2/21/2023

NOTES:

TOTAL PROJECT EARTHWORK
 2,772 CU YDS COMMON EXCAVATION
 17,490 CU YD EMBANKMENT
 2,313 CU YD EMBANKMENT BENCH

ESTIMATE FOR EARTHWORK CALCULATIONS FOR DESIGN ONLY. THE CONTRACTOR IS ADVISED THAT THE EARTHWORK CALCULATIONS SHOWN ARE FOR INFORMATION ONLY. ASSUMPTIONS FOR SHRINKAGE FACTORS ARE THE CONTRACTOR'S RESPONSIBILITY.
 APPROXIMATE AREA OF CLEARING AND GRUBBING IS 1.5 ACRES.

ITEM	DESCRIPTION	UNIT	KY 22	SPRINGCREST DRIVE	BROWNHURST COVE ROAD					PROJECT TOTALS
1	DCA BASE (UNDER SIDEWALK)	TON	199							199
78	CRUSHED AGGREGATE SIZE NO 2	TON	2							2
1811	STANDARD CURB AND GUTTER MOD	LF	2540							2540
1987	DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	EACH	38							38
1990	DELINEATOR FOR BARRIER WALL-B/W	EACH	3							3
2001	PORTABLE MESSAGE SIGN	EACH	2							2
2014	BARRICADE-TYPE III	EACH	4	3	1					8
2220	FLOWABLE FILL	CUYD	23							23
2360	GUARDRAIL TERMINAL SECTION NO. 1	EACH	7							7
2381	REMOVE GUARDRAIL	LF	1220							1220
2391	GUARDRAIL END TREATMENT TYPE 4A	EACH	2							2
2429	RIGHT-OF-WAY MONUMENT TYPE 1	EACH	17							17
2432	WITNESS POST	EACH	21							21
2545	CLEARING AND GRUBBING	LS	1							1
2562	TEMPORARY SIGNS	SOFT	625							625
2568	MOBILIZATION	LS	1							1
2569	DEMobilIZATION	LS	1							1
2585	EDGE KEY	LF	40							40
2650	MAINTENANCE FERTILIZER	TON	1							1
2671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH	2	1						3
2704	SILT TRAP TYPE B	EACH	5							5
2705	SILT TRAP TYPE C	EACH	15							15
2707	CLEAN SILT TRAP TYPE B	EACH	15							15
2708	CLEAN SILT TRAP TYPE C	EACH	45							45
2720	SIDEWALK - 4 INCH CONCRETE	SOYD	867							867
2726	STAKING	LS	1							1
4933	TEMP SIGNAL - 2 PHASE	EACH	8							8
5950	EROSION CONTROL BLANKET	SOYD	2080							2080
5952	TEMP MULCH	SOYD	21393							21393
5953	TEMP SEEDING AND PROTECTION	SOYD	21393							21393
5963	INITIAL FERTILIZER	TON	1							1
5964	MAINTENANCE FERTILIZER	TON	1							1
5985	SEEDING AND PROTECTION	SOYD	21393							21393
5989	SPECIAL SEEDING CROWN VETCH	SOYD	2139							2139
5992	AGRICULTURAL LIMESTONE	TON	1							1
6406	SIGN BASE MATERIAL - ALUMINUM - SHEETING SIGNS - 0.080 GAUGE	SOFT	85							85
6410	STEEL POST - TYPE 1	LF	200							200
6542	PAVE STRIPING-THERMO-6 IN W	LF	2040							2040
6543	PAVE STRIPING-THERMO-6 IN Y	LF	7018							7018
6568	PAVE MARKING-THERMO STOP BAR-24IN	LF	13	15						28
6569	PAVE MARKING-THERMO CROSS-HATCH	SOFT	413							413
8018	PAVE MARKING-THERMO CURB ARROW	EACH	5							5
8018	RETAINING WALL	SOFT	1357							1357
20591EC	REMOVE BARRIER	LF	324							324
21134ND	REMOVE-STORE & REINSTALL SIGN	EACH	2							2
21553EN	EMBANKMENT (INCLUDING EMBANKMENT FOUNDATION BENCHING)	CUYD	19248	554	1					19803
21802EN	6 X 8 STEEL W/ BEAMS FACE (T-T) POST	LF	1460							1460
233780C	CONCRETE SEALING	SOFT	1746							1746
244631C	INCAID PAVEMENT MARKER	EACH	53							53
24814EC	PIPELINE INSPECTION	LF	1788							1788
250280D	RAIL SYSTEM SINGLE SLOPE 40 IN	LF	100							100
250280D	RAIL SYSTEM SINGLE SLOPE 40 IN	LF	100							100
2231	STRUCTURE GRANULAR BACKFILL	CUYD	750							750
8002	STRUCTURE EXCAVATION SOLID ROCK	CUYD	40							40

Added quantity of BARRICADE TYPE III

Added quantity of PORTABLE CHANGEABLE MESSAGE BOARD

Remove bid items: Retaining Wall, Concrete Sealing, & Rail System. Items are included in the Structure Plan Summary and don't need to be duplicated in the Roadway General Summary.

Added bid item 2231 STRUCTURE GRANULAR BACKFILL

Added bid item 8002 Structure Excavation Solid Rock

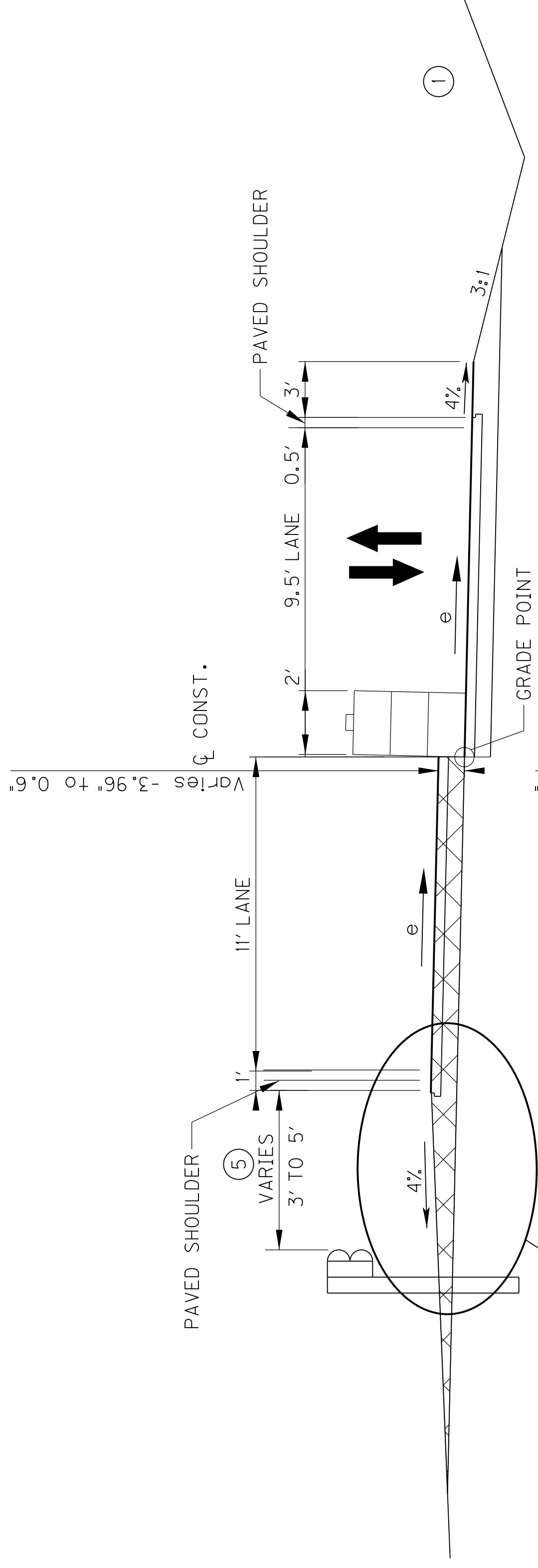
GENERAL SUMMARY

MOT TYPICAL SECTIONS

KY 22 @ SPRINGCREST DRIVE

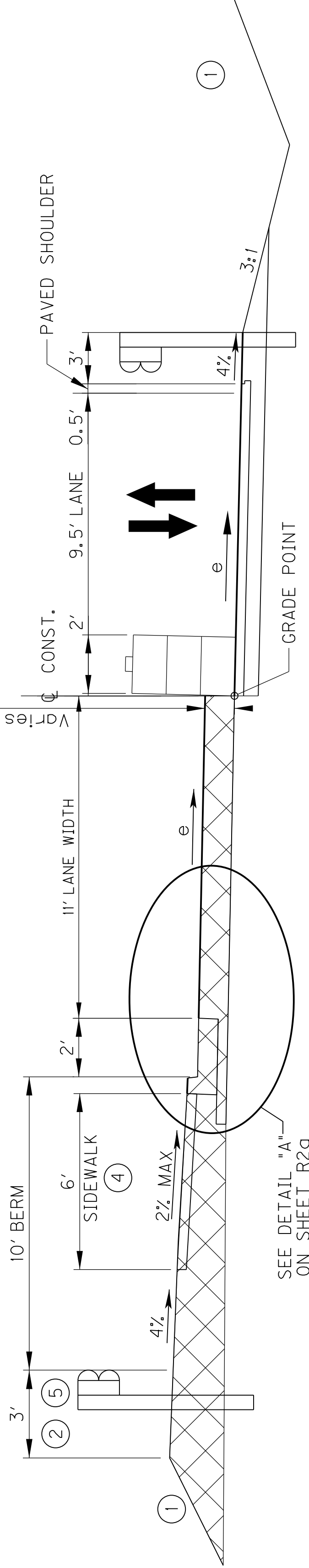
TEMPORARY TRAFFIC SIGNAL PHASE 2

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-371.10	R19†



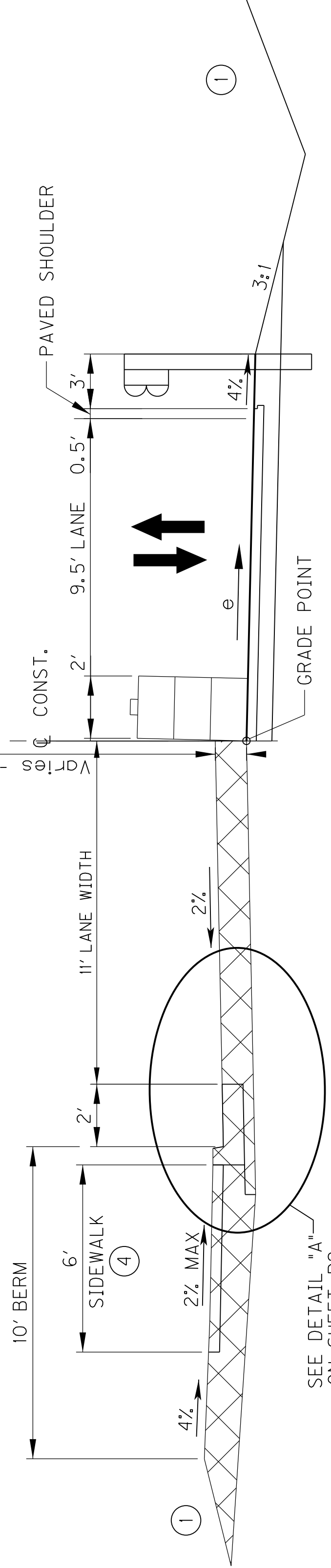
KY 22 UNCURRED SECTION

STA. 159+30.00 TO 161+40.00
 FULL SUPER LOCATION
 STA. 160+76.00 TO 161+40.00



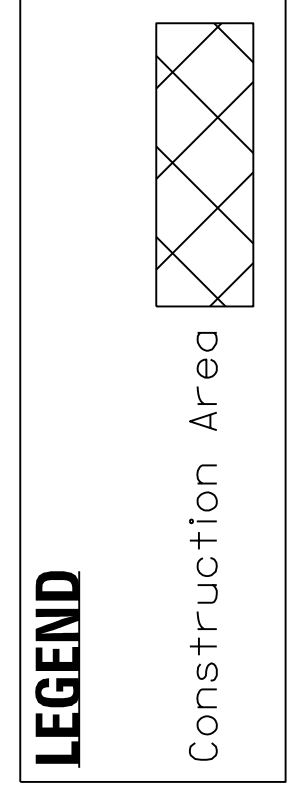
KY 22 SUPERELEVATED URBAN SECTION

STA. 161+40.00 TO STA. 164+09.00
 STA. 168+43 TO STA. 172+60
 FULL SUPER LOCATION
 STA. 161+40.00 TO STA. 162+38.00
 STA. 169+87.00 TO STA. 171+16.00



KY 22 NORMAL URBAN SECTION

STA. 164+09.00 TO STA. 168+43.00



LEGEND

Construction Area

MOT TYPICAL SECTIONS KY 22 @ SPRINGCREST DRIVE TEMPORARY TRAFFIC SIGNAL PHASE 2

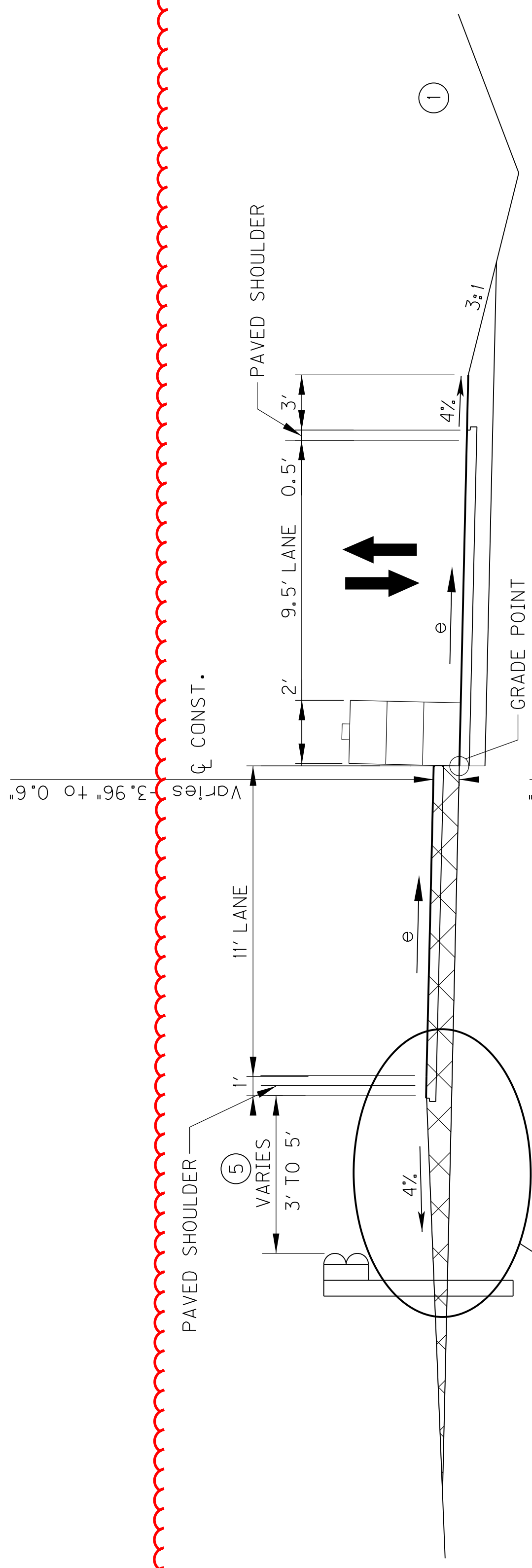
COUNTY OF
JEFFERSON

ITEM NO.
5-371.10

SHEET NO.
R19†

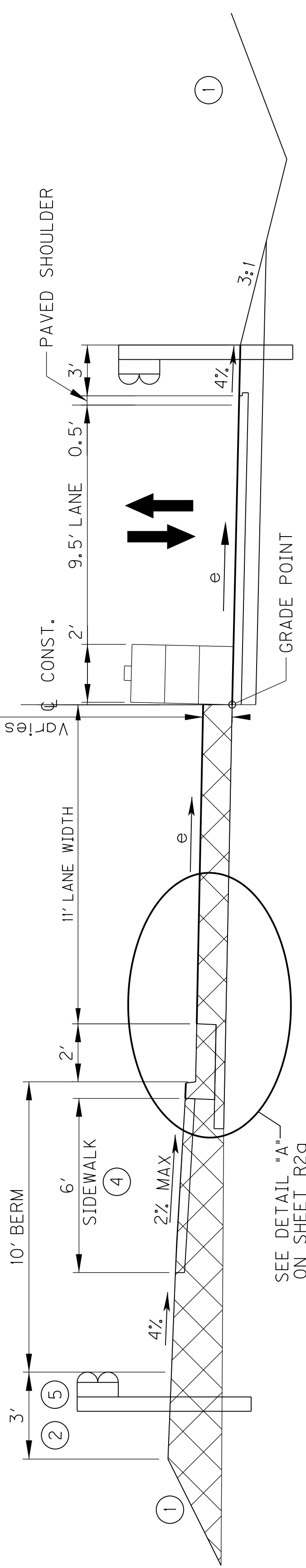
revised 2/21/2023

Revised Typical Sections to show Phase 2 construction raising roadway above that of existing grade.



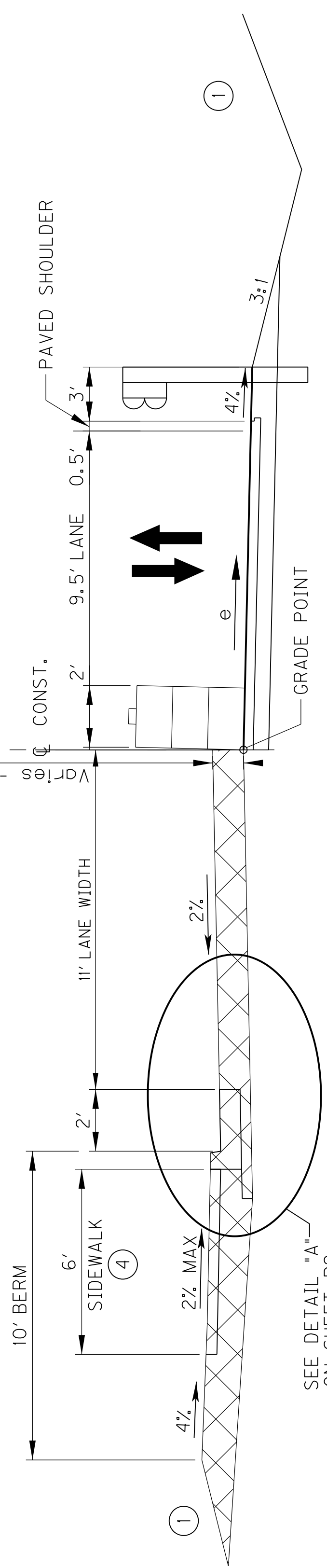
KY 22 UNCURBED SECTION
STA. 159+30.00 TO STA. 161+40.00
FULL SUPER LOCATION
STA. 160+76.00 TO STA. 161+40.00

e (%)
3.90

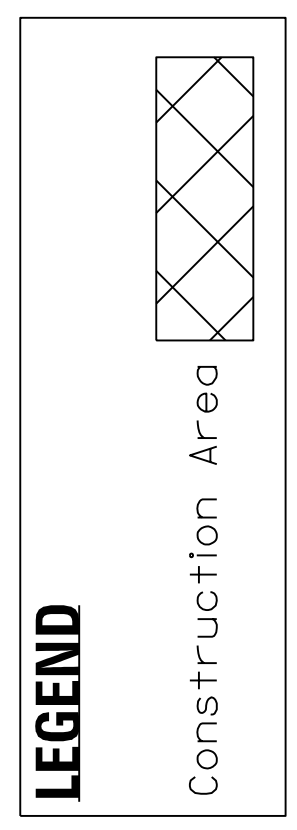


KY 22 SUPERELEVATED URBAN SECTION
STA. 161+40.00 TO STA. 164+09.00
STA. 168+43 TO STA. 172+60
FULL SUPER LOCATION
STA. 161+40.00 TO STA. 162+38.00
STA. 169+87.00 TO STA. 171+16.00

e (%)
3.90
3.40



KY 22 NORMAL URBAN SECTION
STA. 164+09.00 TO STA. 168+43.00



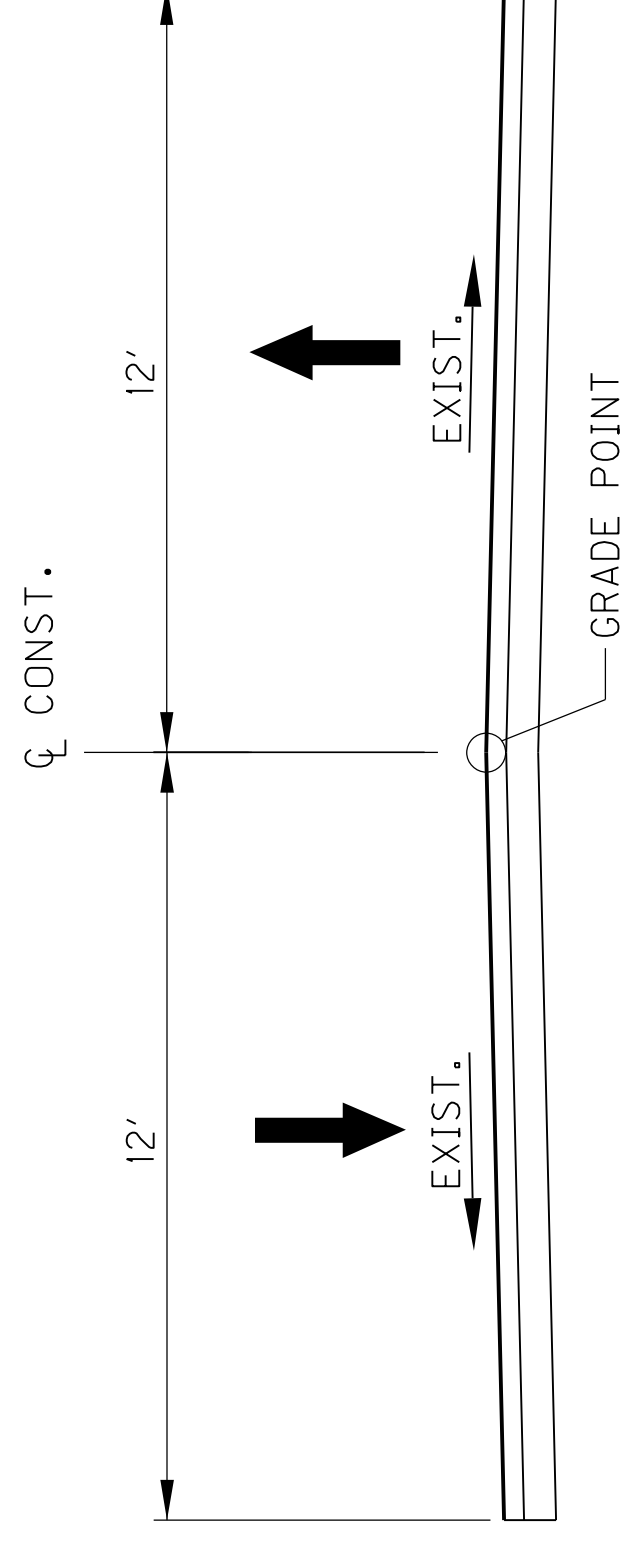
LEGEND

Construction Area

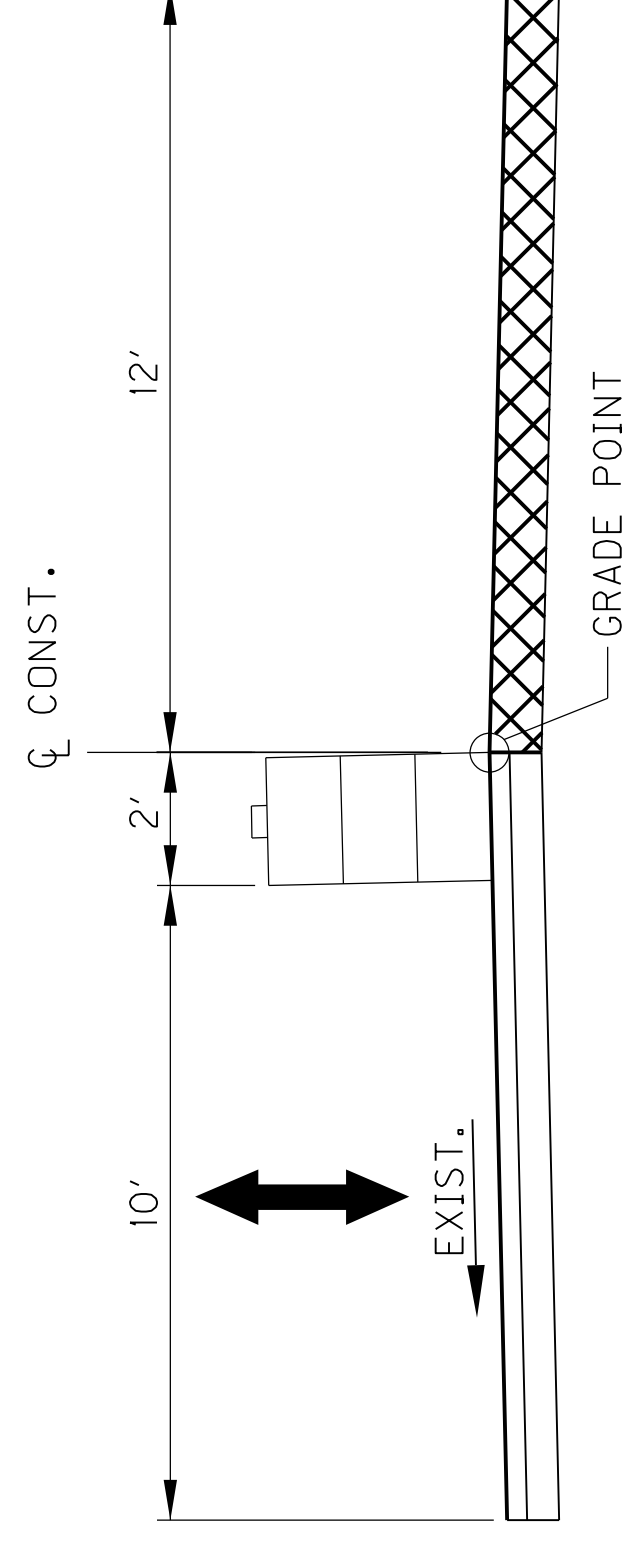
KY 22
MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS

MOT TYPICAL SECTIONS KY 22 @ BROWNHURST COVE ROAD PHASE 2

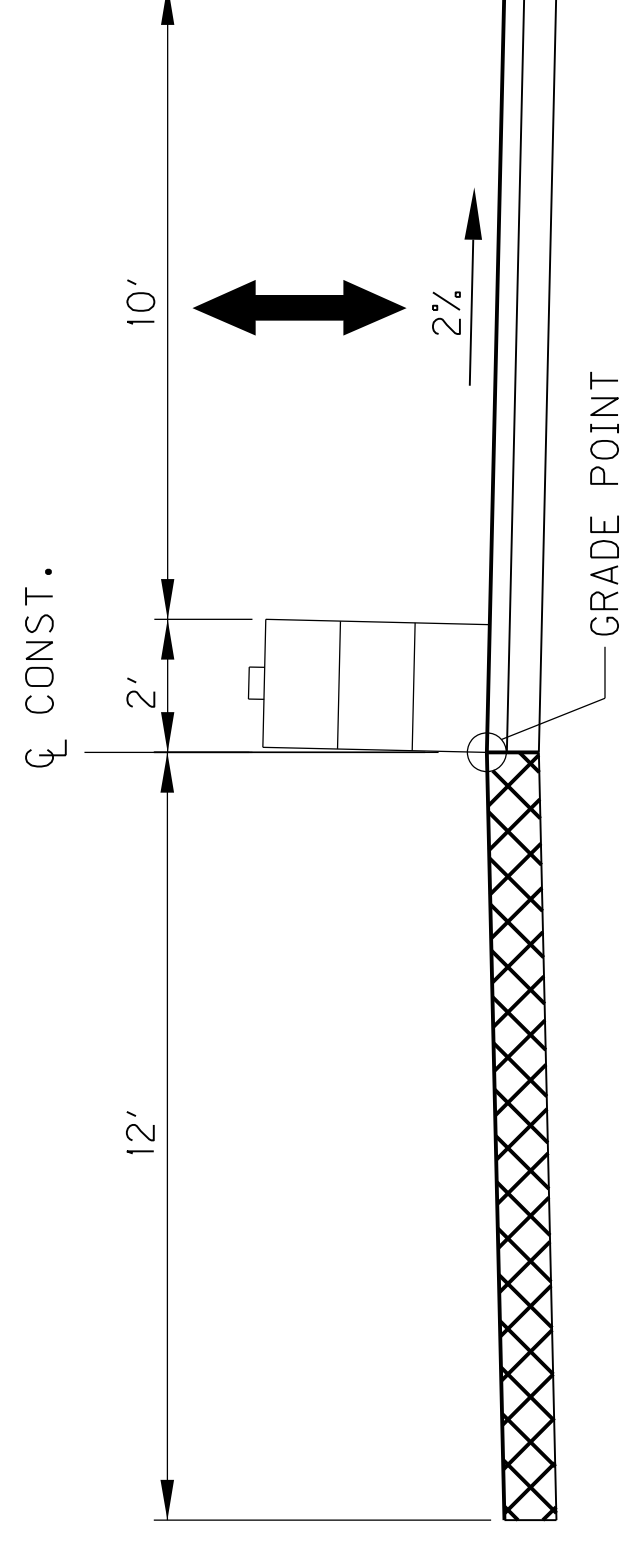
COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-371.10	R19U



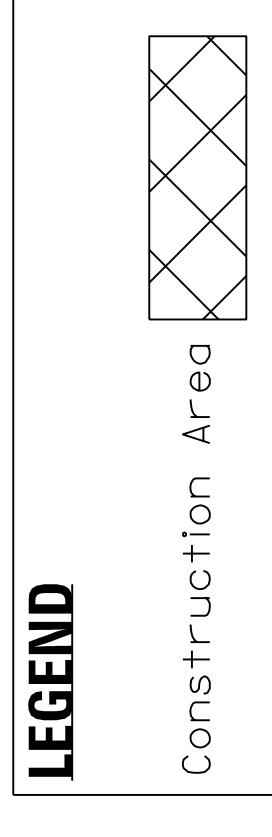
EXISTING – BROWNHURST COVE ROAD
STA. 50+20 TO STA. 51+60



BROWNHURST COVE ROAD
STA. 50+20 TO STA. 51+60



BROWNHURST COVE ROAD
STA. 50+20 TO STA. 51+60

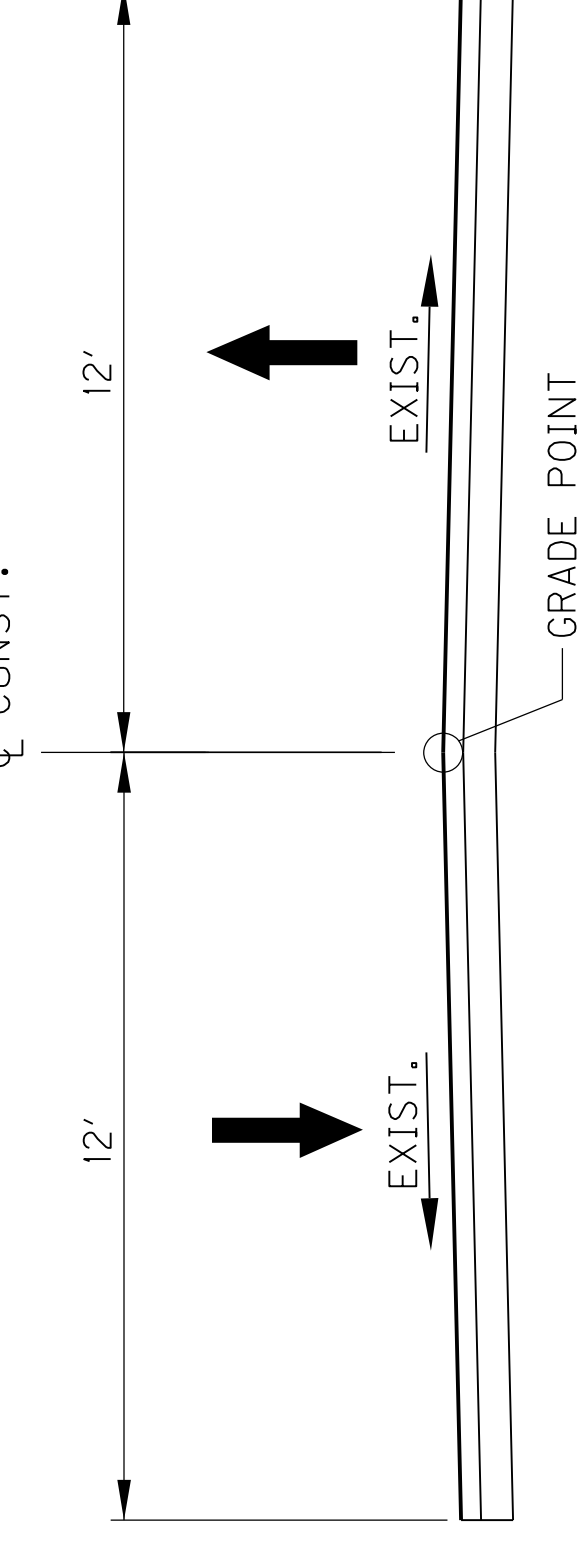


NOTE:
Contractor to phase work in order to maintain access in at least one direction at all times on Brownhurst Cove Road and all private drives. Flaggers to be used to facilitate movement of vehicles entering and existing Brownhurst Cove Road.
Contractor to use compacted aggregate to create a wedge at grade differences between proposed and existing conditions.

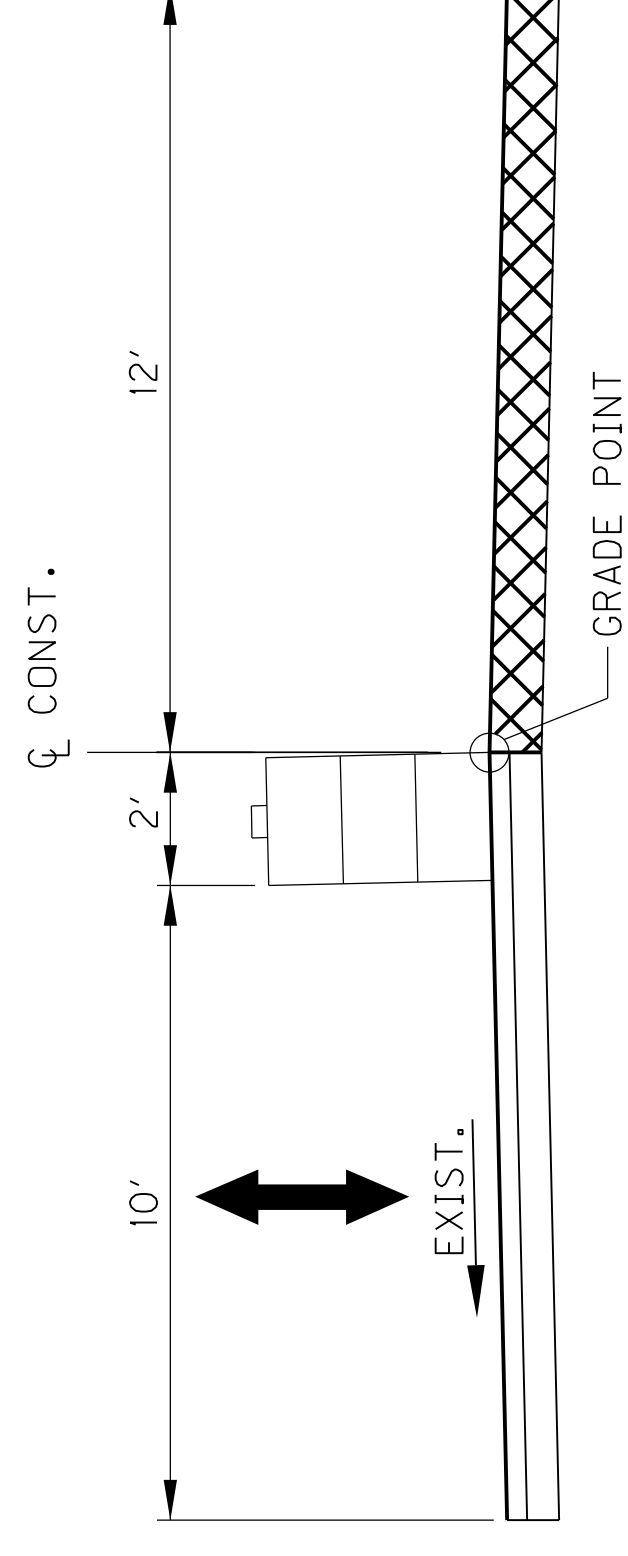
MOT TYPICAL SECTIONS KY 22 @ BROWNHURST COVE ROAD PHASE 2

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-371.10	R19U

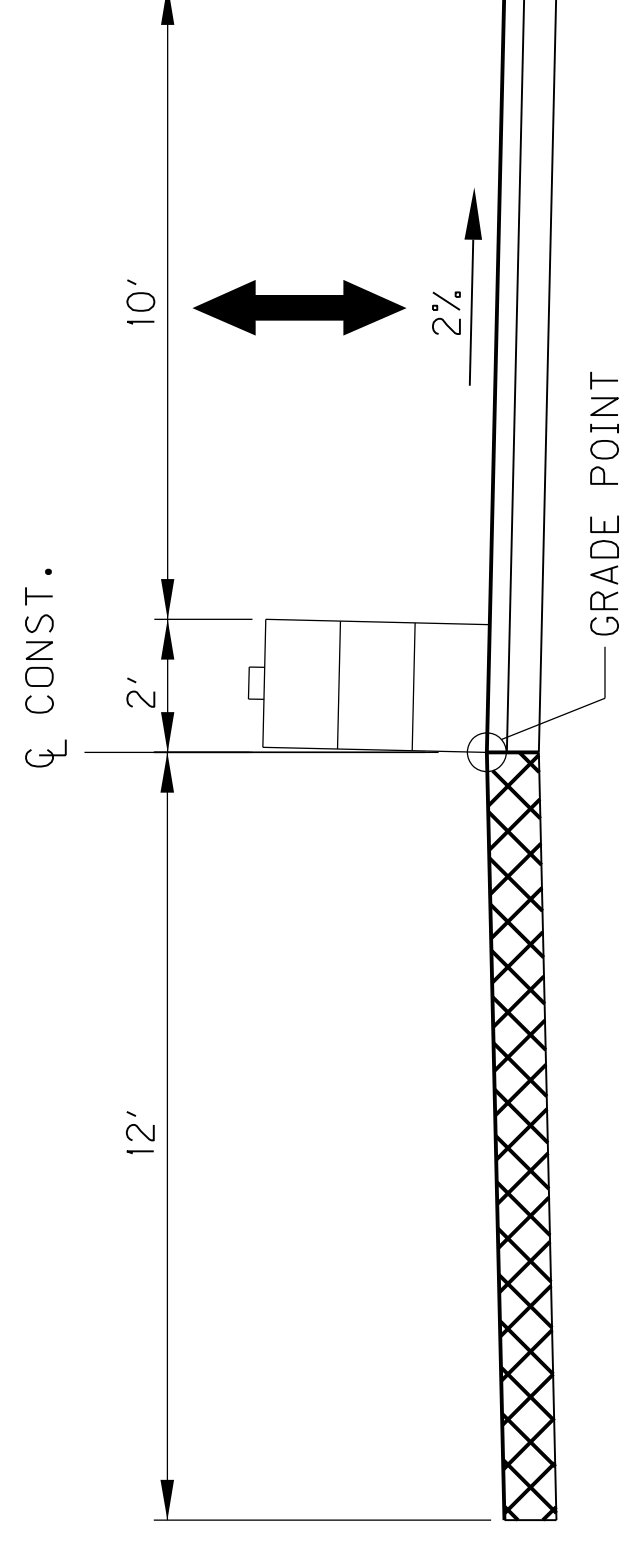
revised 2/21/2023



EXISTING – BROWNHURST COVE ROAD
STA. 50+20 TO STA. 51+60



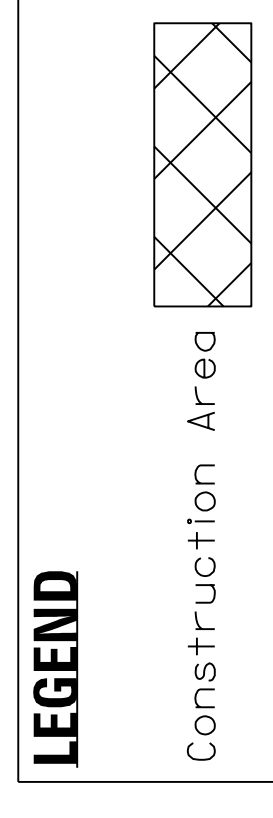
BROWNHURST COVE ROAD
STA. 50+20 TO STA. 51+60



BROWNHURST COVE ROAD
STA. 50+20 TO STA. 51+60

This sheet was inserted into the plan set to provide MOT typical sections at Brownhurst Cove.

NOTE:
Contractor to phase work in order to maintain access in at least one direction at all times on Brownhurst Cove Road and all private drives. Flaggers to be used to facilitate movement of vehicles entering and existing Brownhurst Cove Road.
Contractor to use compacted aggregate to create a wedge at grade differences between proposed and existing conditions.

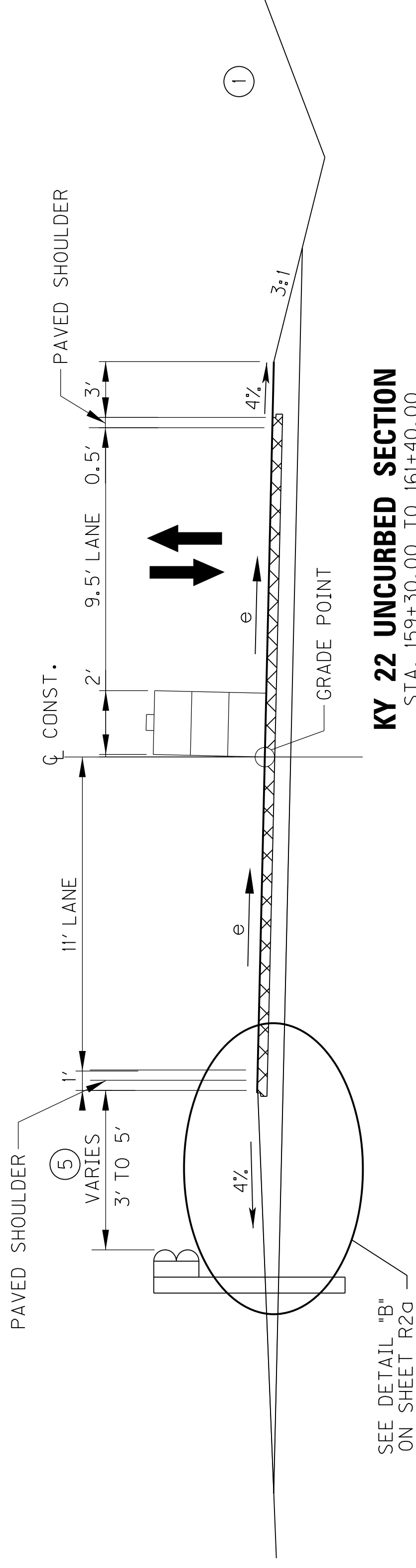


MOT TYPICAL SECTIONS

KY 22 @ SPRINGCREST DRIVE

FLAGGER OPERATIONS PHASE 4

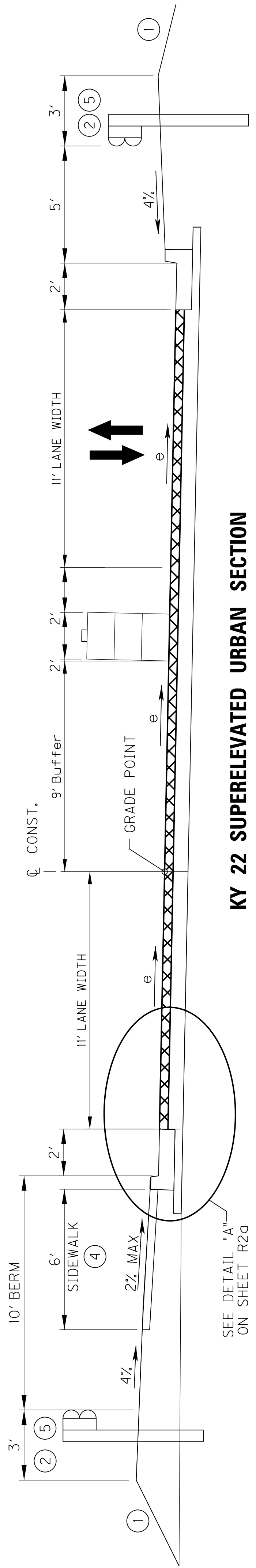
COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-371.10	R19W



KY 22 UNCURBED SECTION

STA. 159+30.00 TO 161+40.00
 FULL SUPER LOCATION
 STA. 160+76.00 TO 161+40.00

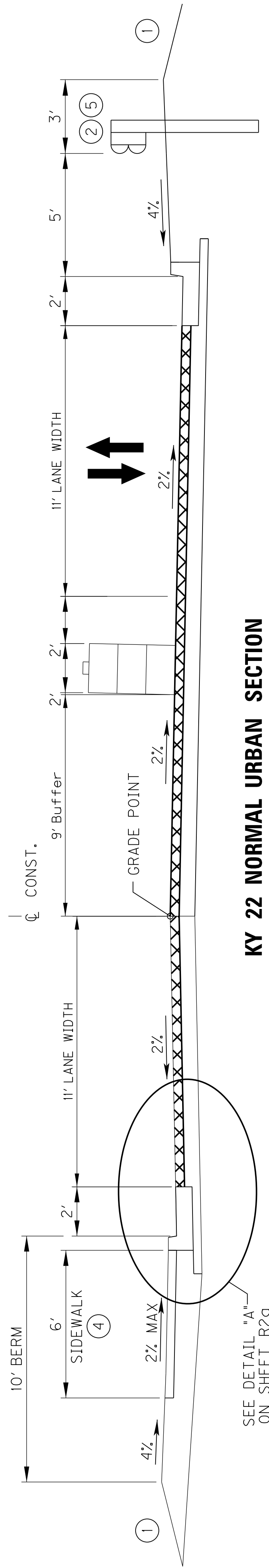
e (%)
 3.90



KY 22 SUPERELEVATED URBAN SECTION

STA. 161+40.00 TO STA. 164+09.00
 STA. 168+43 TO STA. 172+60
 FULL SUPER LOCATION

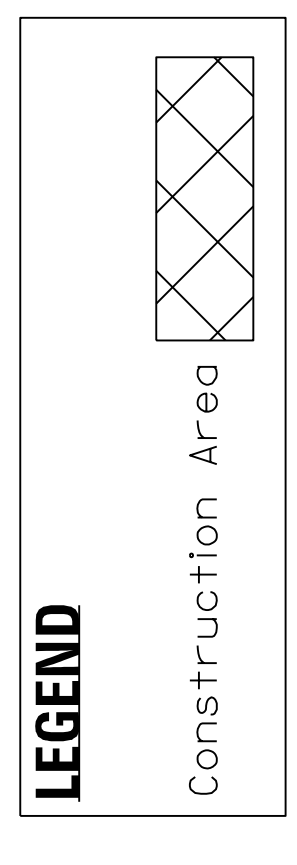
e (%)
 3.90
 3.40



KY 22 NORMAL URBAN SECTION

STA. 164+09.00 TO STA. 168+43.00

NOTE:
 Construction to occur on half of the roadway at a time, while maintaining one lane in both directions using a flagger.



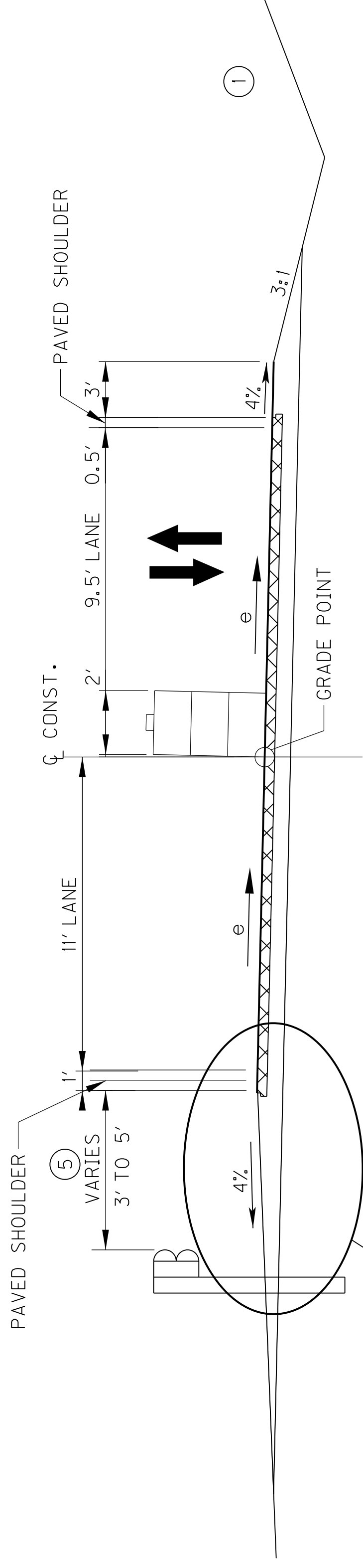
MOT TYPICAL SECTIONS

KY 22 @ SPRINGCREST DRIVE

FLAGGER OPERATIONS PHASE 4

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-371.10	R19W

revised 2/21/2023

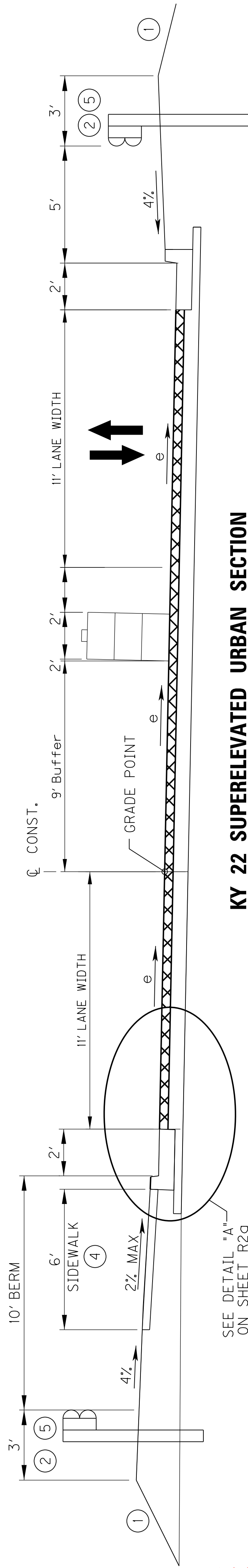


KY 22 UNCURBED SECTION

STA. 159+30.00 TO 161+40.00
 FULL SUPER LOCATION
 STA. 160+76.00 TO 161+40.00

e (%)
 3.90

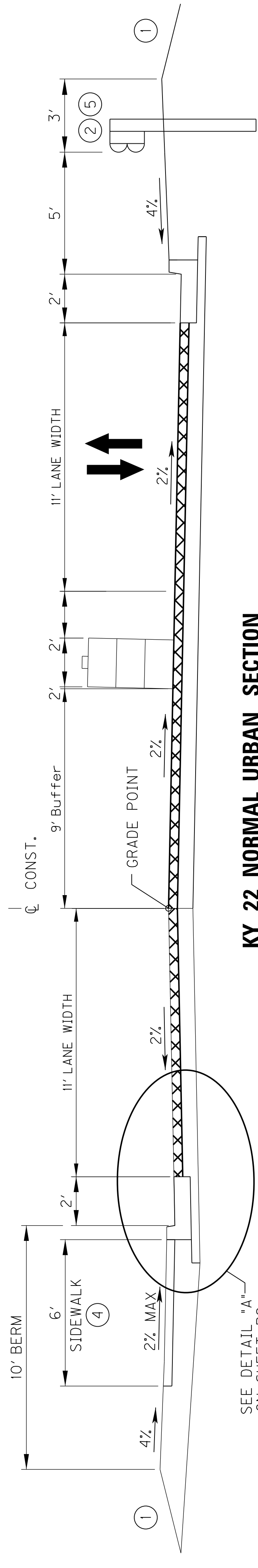
Revised Typical Sections to show final asphalt surface application phasing.



KY 22 SUPERELEVATED URBAN SECTION

STA. 161+40.00 TO STA. 164+09.00
 STA. 168+43 TO STA. 172+60
 FULL SUPER LOCATION

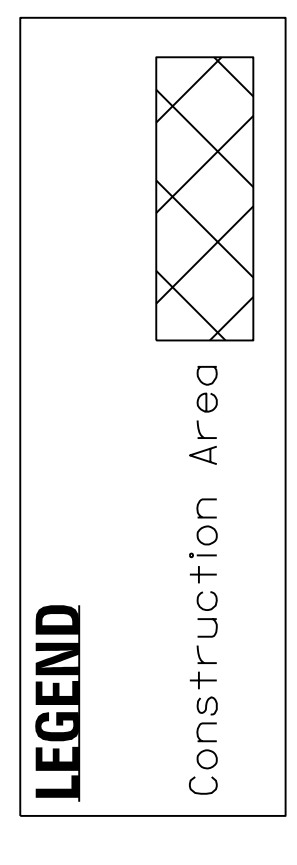
e (%)
 3.90
 3.40



KY 22 NORMAL URBAN SECTION

STA. 164+09.00 TO STA. 168+43.00

NOTE: Construction to occur on half of the roadway at a time while maintaining one lane in both directions using a flagger.

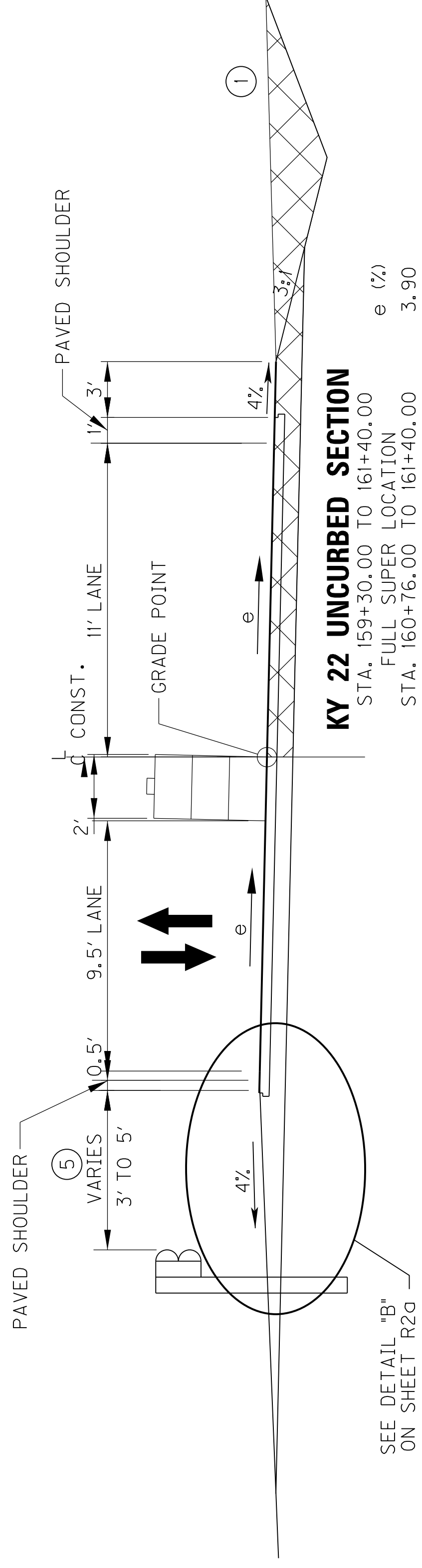


MOT TYPICAL SECTIONS

KY 22 @ SPRINGCREST DRIVE

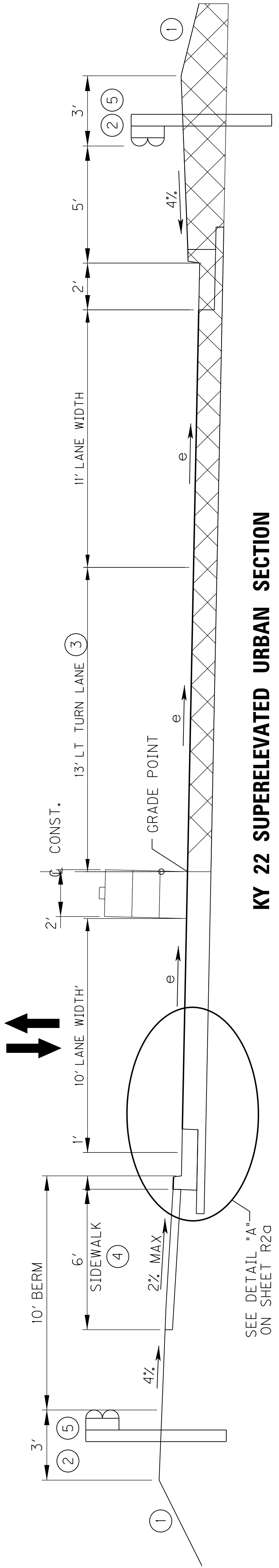
TEMPORARY TRAFFIC SIGNAL PHASE 3

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-371.10	R19v



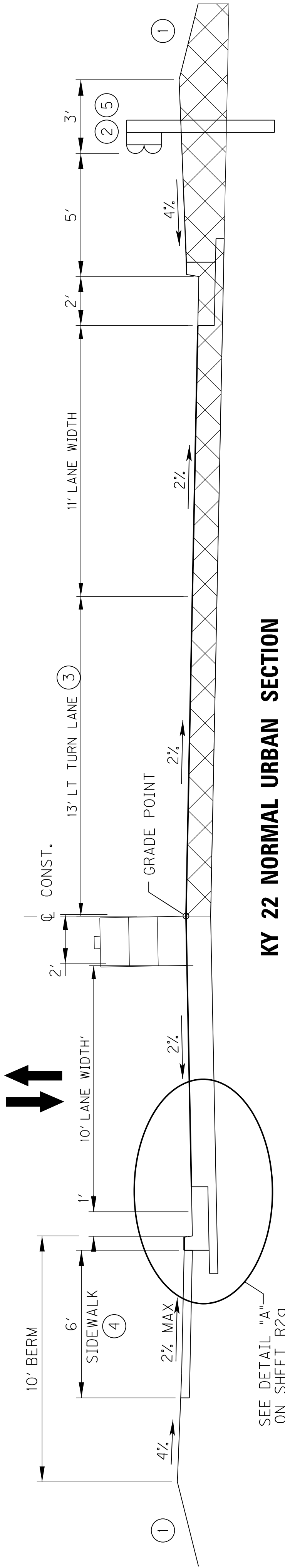
KY 22 UNCUBED SECTION

STA. 159+30.00 TO STA. 161+40.00 e (%)
 FULL SUPER LOCATION 3.90
 STA. 160+76.00 TO STA. 161+40.00 3.90



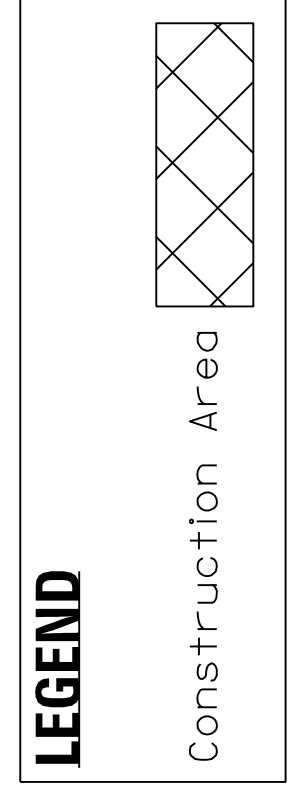
KY 22 SUPERELEVATED URBAN SECTION

STA. 161+40.00 TO STA. 164+09.00
 STA. 168+43 TO STA. 172+60
 FULL SUPER LOCATION e (%)
 STA. 161+40.00 TO STA. 162+38.00 3.90
 STA. 169+87.00 TO STA. 171+16.00 3.40



KY 22 NORMAL URBAN SECTION

STA. 164+09.00 TO STA. 168+43.00



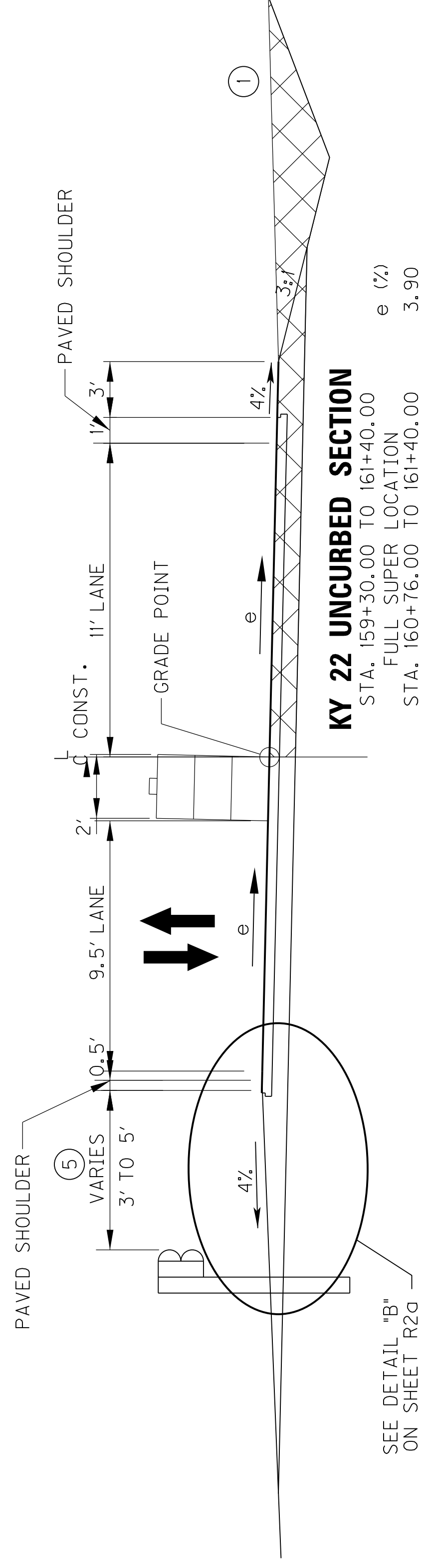
LEGEND

MOT TYPICAL SECTIONS

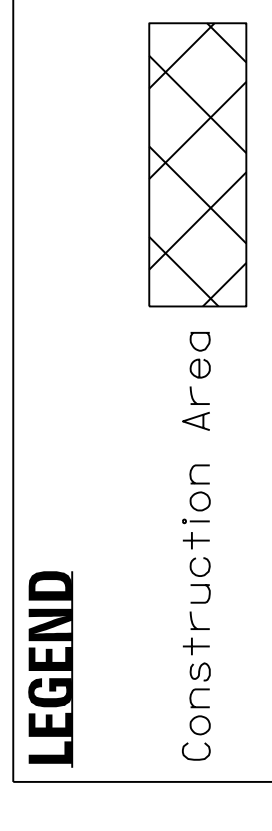
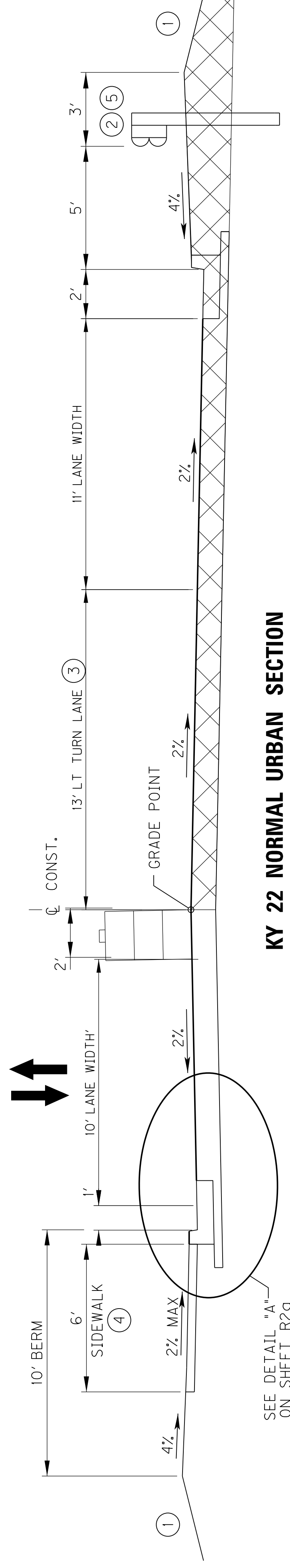
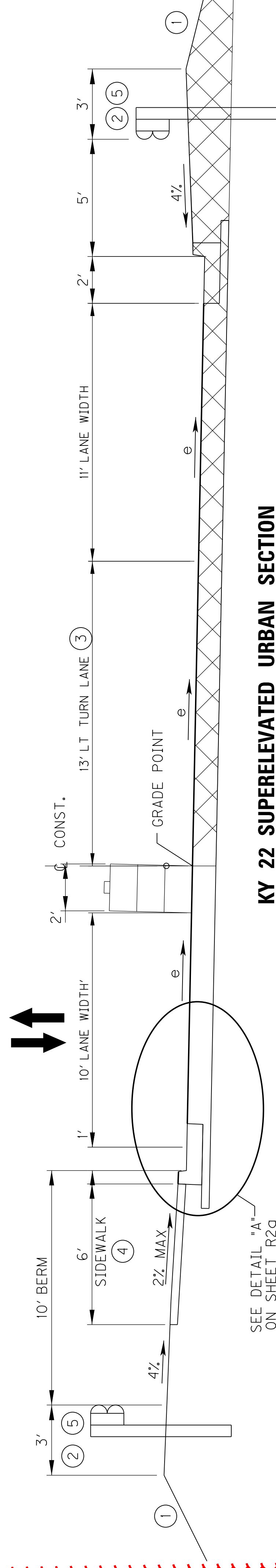
KY 22 @ SPRINGCREST DRIVE TEMPORARY TRAFFIC SIGNAL PHASE 3

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-371.10	R19v

revised 2/21/2023



Revised Typical Sections to show Phase 2 & Phase 3 construction roadway elevations matching.



KY 22
 MAINTENANCE OF TRAFFIC
 TYPICAL SECTIONS

KY 22 (BROWNSBORO ROAD)

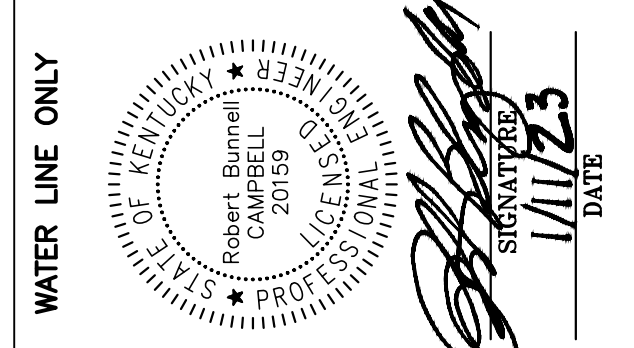
ITEM CODE	DESCRIPTION	COMMENTS	SHEETS				PROJECT TOTAL QUANTITY	UNIT
			SHEET 3	SHEET 4	SHEET 5	SHEET 6		
			10+00.00 TO 14+59.94	14+59.94 TO 21+01.53	21+01.53 TO 25+73.56			
HWY 22 (BROWNSBORO ROAD)								
14050	UNITS TO BID ON "INSTALL" QUANTITIES		460	640	470	1,570	LF	
14047	W PIPE DCTL IRON RSTRND JOINT 12 IN			40	85	125	LF	
14036	W PIPE DUCTILE IRON 06 INCH			105		105	LF	
14108	W VALVE 12 INCH		1	3	3	7	EACH	
14105	W VALVE 6 INCH			2	1	3	EACH	
14022	W AIR RELEASE VALVE SPECIAL			2	2	4	EACH	
14023	W FLUSHING ASSEMBLY			1		1	EACH	
14087	W TIE-IN 12 INCH		1		1	2	EACH	
14084	W TIE-IN 6 INCH			1	1	2	EACH	
14015	W ENCASMENT STEEL OPEN CUT RANGE 4		50	55	35	140	LF	
14074	W PLUG EXISTING MAIN		1		2	4	EACH	
14030	W METER RELOCATE			1		1	EACH	
14082	W SERV PE/PLST SHORT SIDE 1 IN		1	1		2	EACH	
14019	W FIRE HYDRANT ASSEMBLY				1	2	EACH	
14153	W LEAK DETECTION METER				1	1	EACH	
14005	W ENCASMENT CONCRETE		75			75	LF	
2960	SAFELADING		20	45	25	90	CUYD	

INSPECTION CERTIFICATION
I hereby certify, to the best of my knowledge and belief, that the water main project has been constructed and tested in accordance with the approved plans and specifications.

NAME (PRINT) _____
NAME (SIGNATURE) _____
DATE _____

DESIGNATED PLAN REVIEWER CERTIFICATION
I hereby certify that the water main plans have been reviewed and approved in accordance with the requirements of the KDOW Agreed Order Technical Design and Construction Standards.

NAME (PRINT) _____
NAME (SIGNATURE) _____
DATE _____



LOUISVILLE WATER COMPANY
550 S. 3RD STREET • LOUISVILLE, KENTUCKY 40202 • (502) 569-3800
SPENCER W. BRUCE, PE — PRESIDENT
TIMOTHY KRAUS, PE — VICE PRESIDENT/CHIEF ENGINEER

KY 22/SPRINGCREST DRIVE INTERSECTIONS IMPROVEMENTS
WATER MAIN QUANTITIES

DATE 01-11-23 SCALE NONE
DRAWN BY RTR CHECKED BY RBC
PROJECT NUMBER 16048 SHEET 10 OF 11
TASK NUMBER 04

Revised 2/21/2023

KY 22 (BROWNSBORO ROAD)

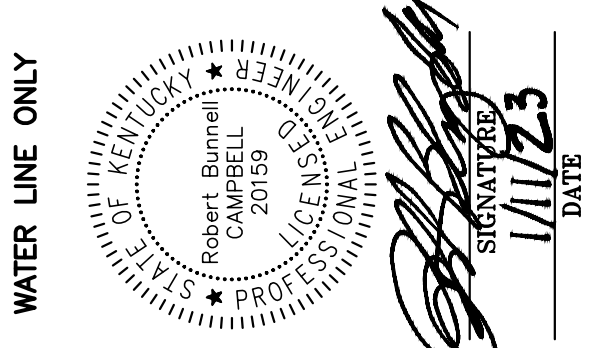
ITEM	DESCRIPTION	COMMENTS	UNIT	SHEET 3 10+00.00 TO 14+59.94	SHEET 4 14+59.94 TO 21+01.53	SHEET 5 21+01.53 TO 25+73.56	PROJECT TOTAL QUANTITY	UNIT
	HWY 22 (BROWNSBORO ROAD)							
code#	UNITS TO BID ON "INSTALL" QUANTITIES							
14050	W PIPE DCTL IRON RSTRND JOINT 12 IN		LF	460	640	470	1,570	LF
14047	W PIPE DCTL IRON RSTRND JOINT 06 IN		LF		40	85	125	LF
14036	W PIPE DUCTILE IRON 06 INCH		LF		105		105	LF
14108	W VALVE 12 INCH		EACH	1	3	3	7	EACH
14105	W VALVE 6 INCH		EACH	2	1		3	EACH
14022	W AIR RELEASE VALVE SPECIAL		EACH	2	2		4	EACH
14023	W FLUSHING ASSEMBLY		EACH	1	1		2	EACH
14087	W TIE-IN 12 INCH		EACH	1			1	EACH
14084	W TIE-IN 6 INCH		EACH	1	1		2	EACH
14015	W ENCASMENT STEEL OPEN CUT RANGE 4		LF	50	55	35	140	LF
14074	W PLUG EXISTING MAIN		EACH	1	1		2	EACH
14030	W METER RELOCATE		EACH	1	1		2	EACH
14082	W SERV PE/PLST SHORT SIDE 1 IN		EACH	1	1		2	EACH
14019	W FIRE HYDRANT ASSEMBLY		EACH	1	1		2	EACH
14153	W LEAK DETECTION METER		EACH	1	1		2	EACH
2960	SAFELOADING		CLVD	20	45	25	90	CLVD

INSPECTION CERTIFICATION
I hereby certify, to the best of my knowledge and belief, that the water main project has been constructed and tested in accordance with the approved plans and specifications.

NAME (PRINT) _____
NAME (SIGNATURE) _____
DATE _____

DESIGNATED PLAN REVIEWER CERTIFICATION
I hereby certify that the water main plans have been reviewed and approved in accordance with the requirements of the KDOT Agreed Order Technical Design and Construction Standards.

NAME (PRINT) _____
NAME (SIGNATURE) _____
DATE _____

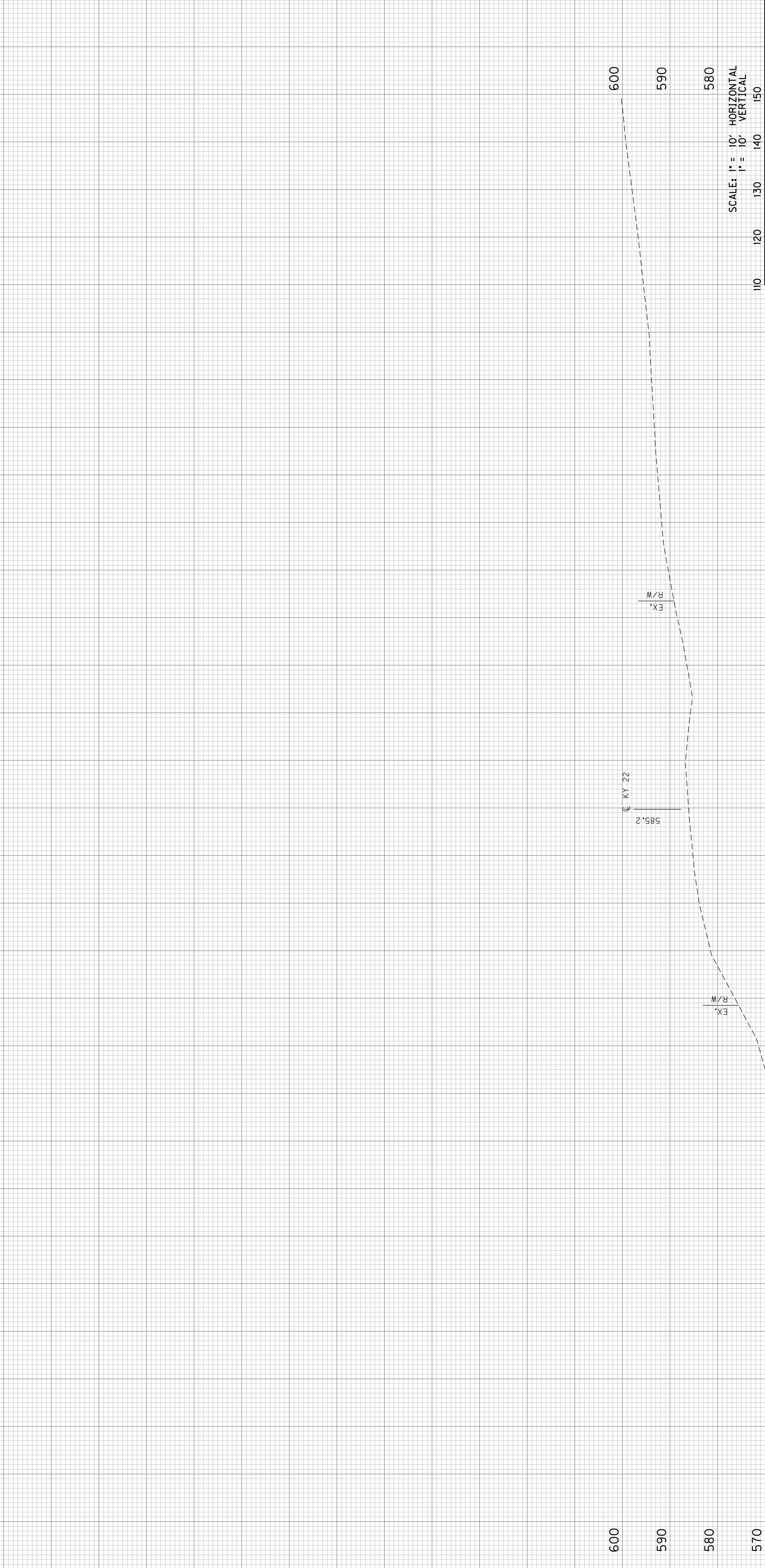


LOUISVILLE WATER COMPANY
550 S. 3RD STREET • LOUISVILLE, KENTUCKY 40202 • (502) 569-3800
SPENCER W. BRUCE, PE — PRESIDENT
TIMOTHY KRAUS, PE — VICE PRESIDENT/CHIEF ENGINEER

WATER MAIN QUANTITIES

DATE 01-11-23 SCALE NONE MAP NO. N/A
DRAWN BY RTR CHECKED BY RBC ENGR. RBC
PROJECT NUMBER 16048 SHEET 10 OF 11
TASK NUMBER 04

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-371.10	XI

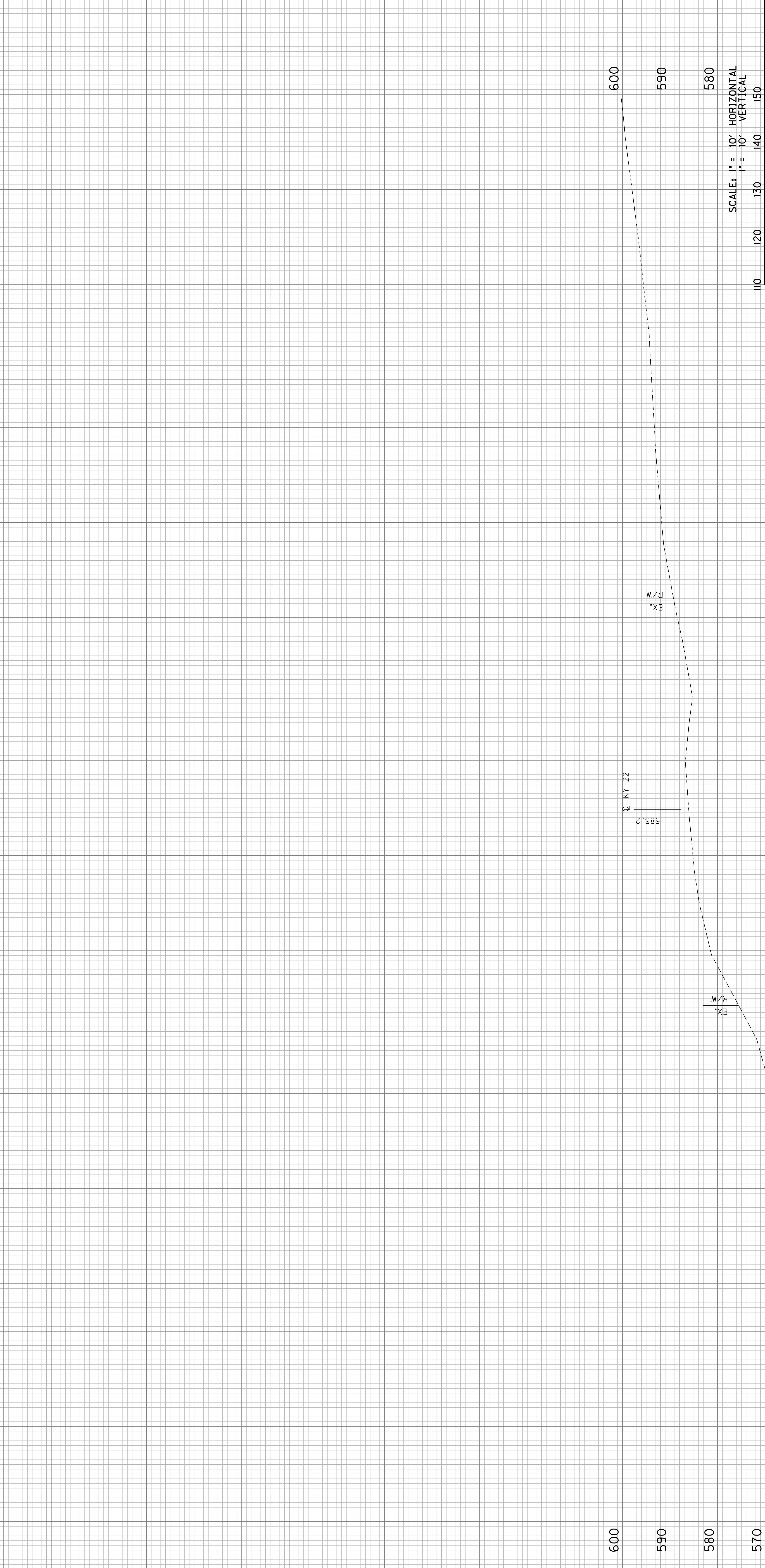


Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
COUNTY OF
JEFFERSON

PROJECT NUMBERS: FD 52 056 67198

KY 22
STA. 159+00

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-371.10	XI

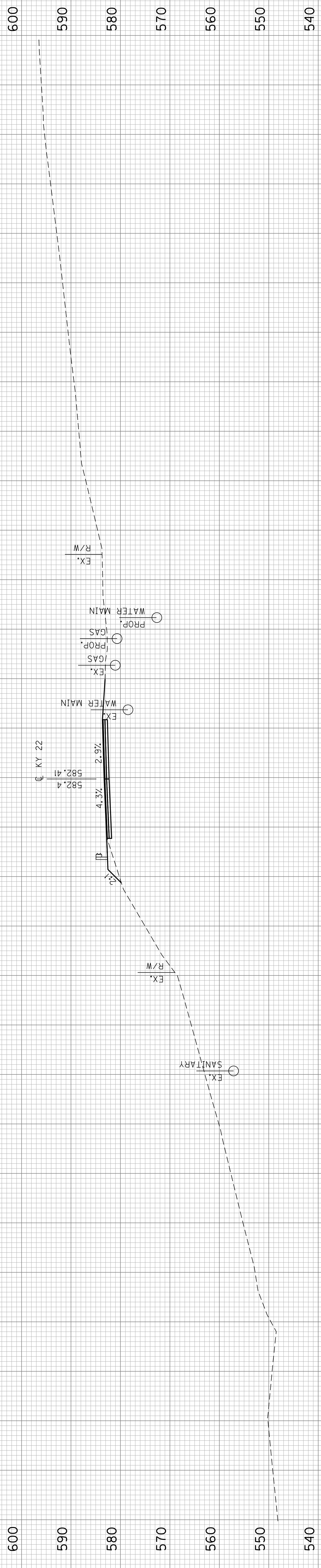


Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
COUNTY OF
JEFFERSON

PROJECT NUMBERS: FD 52 056 67198

KY 22
STA. 159+00

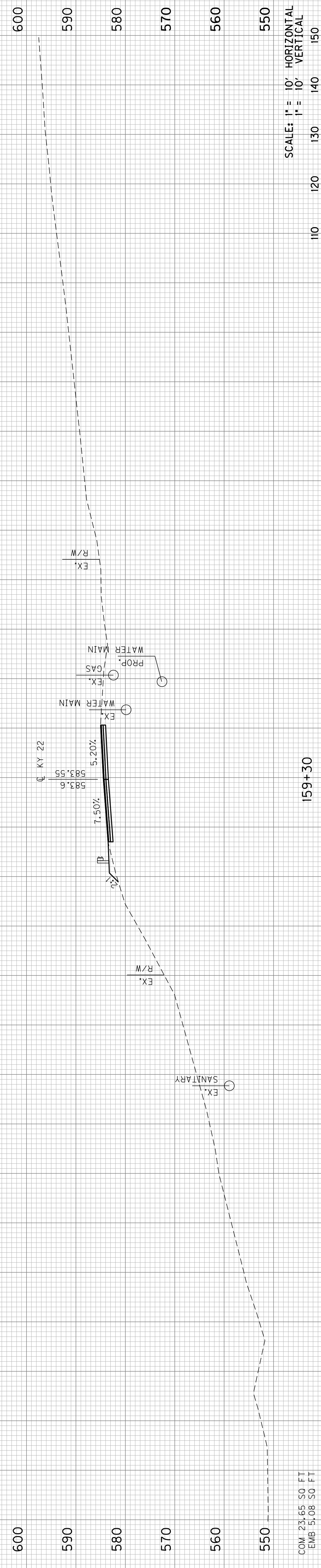
COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-371.10	X2



COM 23.51 50 FT
EMB 5.08 50 FT

159+50

COM 17.47 CU YDS
EMB 3.76 CU YDS



COM 23.65 50 FT
EMB 5.08 50 FT

159+30

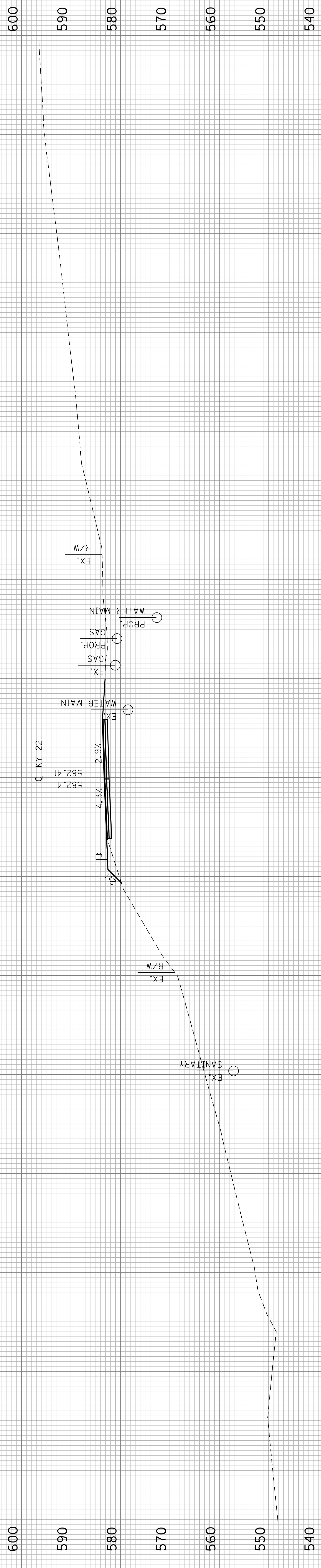
SCALE: 1" = 10' HORIZONTAL
1" = 10' VERTICAL



STA. 159+30 TO STA. 159+50
KY 22

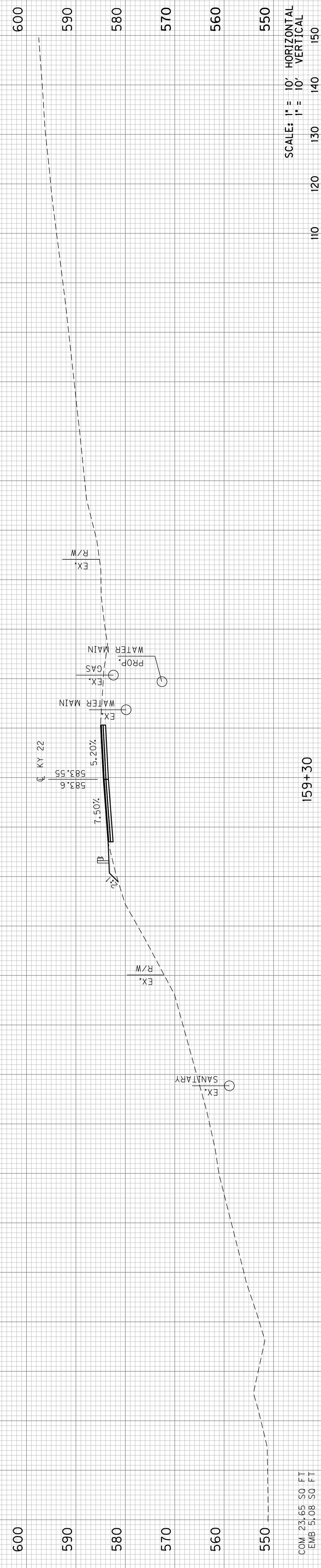
COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-371.10	X2

Revised 2/21/2023



COM 23.51 SO FT
EMB 5.08 SO FT

159+50



COM 17.47 CU YDS
EMB 3.76 CU YDS

COM 23.65 SO FT
EMB 5.08 SO FT

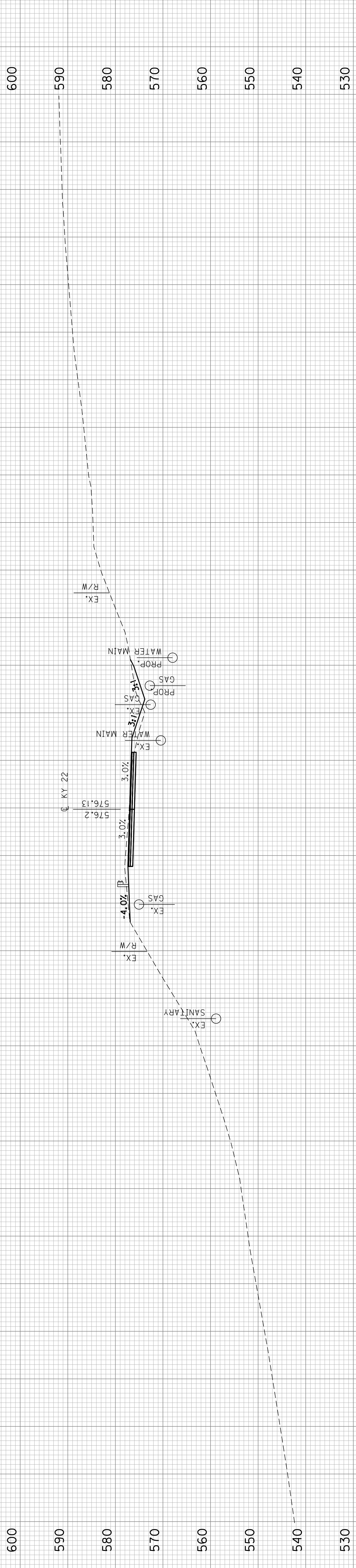
159+30

SCALE: 1" = 10' HORIZONTAL
1" = 10' VERTICAL



STA. 159+30 TO STA. 159+50

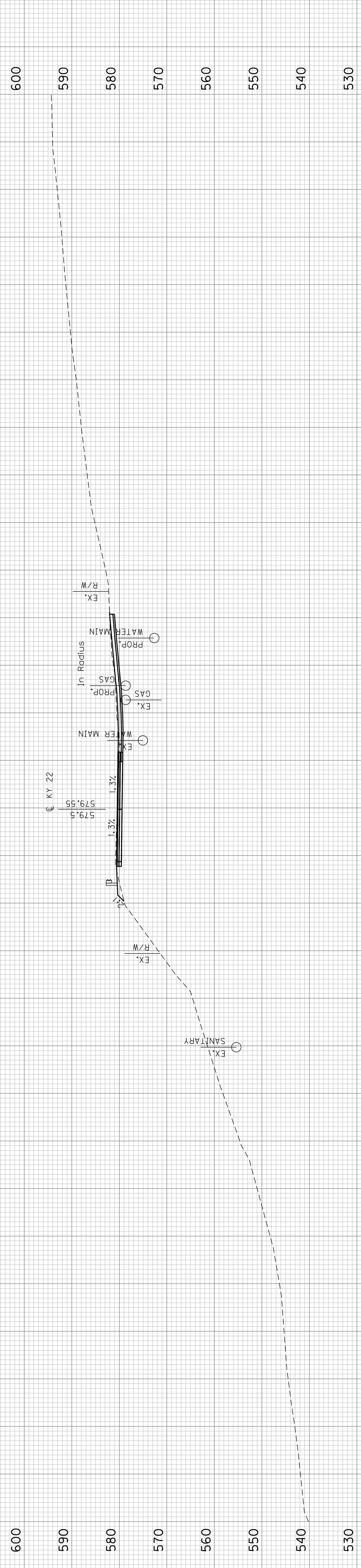
KY 22



COM. 40.50 SQ. FT.
 EMB. 8.59 SQ. FT.

160+50

COM. 89.88 CU. YDS.
 EMB. 10.81 CU. YDS.



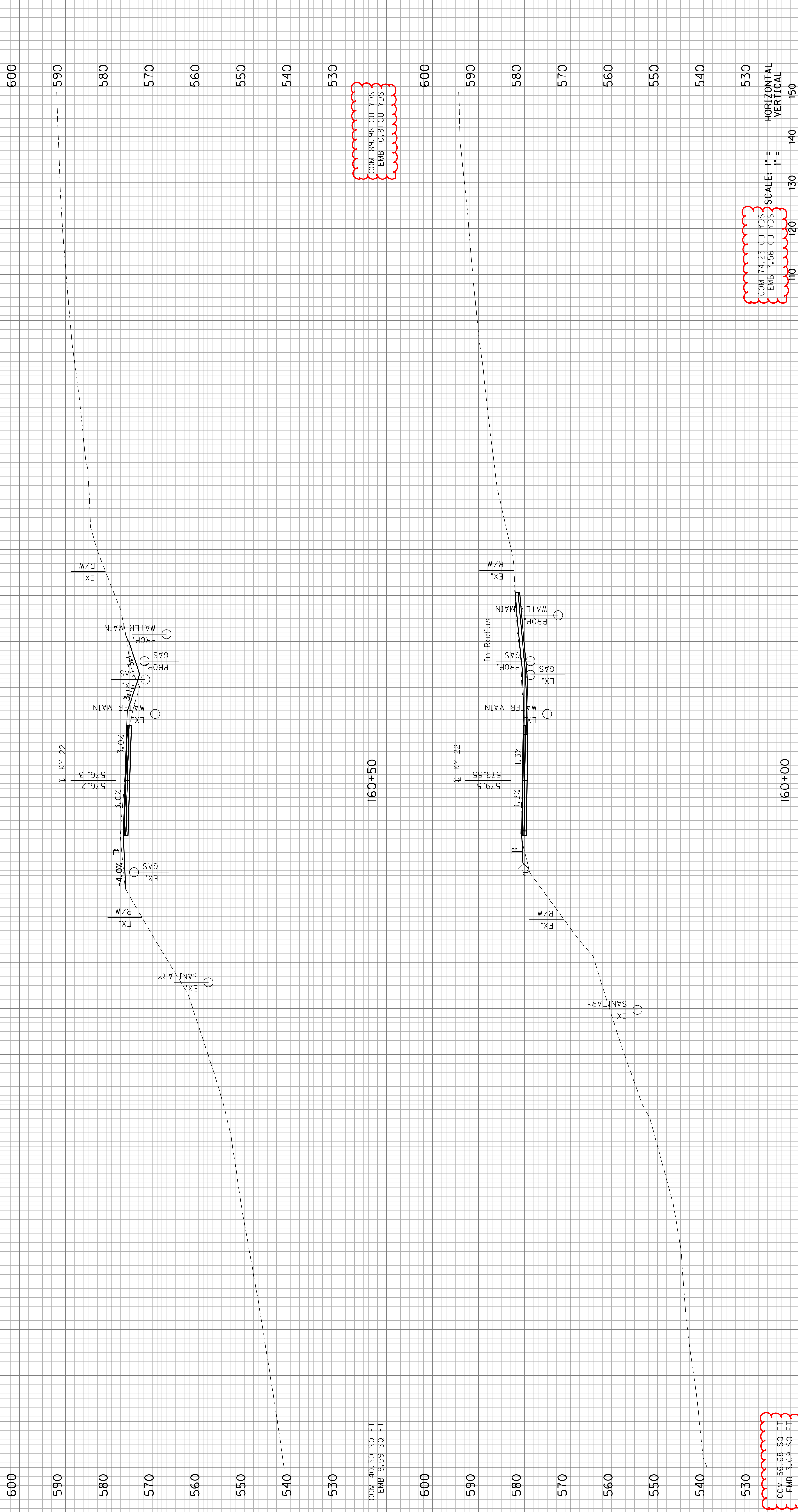
COM. 56.68 SQ. FT.
 EMB. 3.09 SQ. FT.

160+00

COM. 74.25 CU. YDS.
 EMB. 7.56 CU. YDS.

SCALE: 1" = 10'
 HORIZONTAL
 1" = 15'
 VERTICAL

Revised 2/21/2023



COM 40.50 SQ. FT
 EMB 8.59 SQ. FT

COM 74.25 CU YDS
 EMB 7.36 CU YDS

SCALE: 1" = 120'
 HORIZONTAL
 1" = 150'
 VERTICAL

COM 89.88 CU YDS
 EMB 10.81 CU YDS

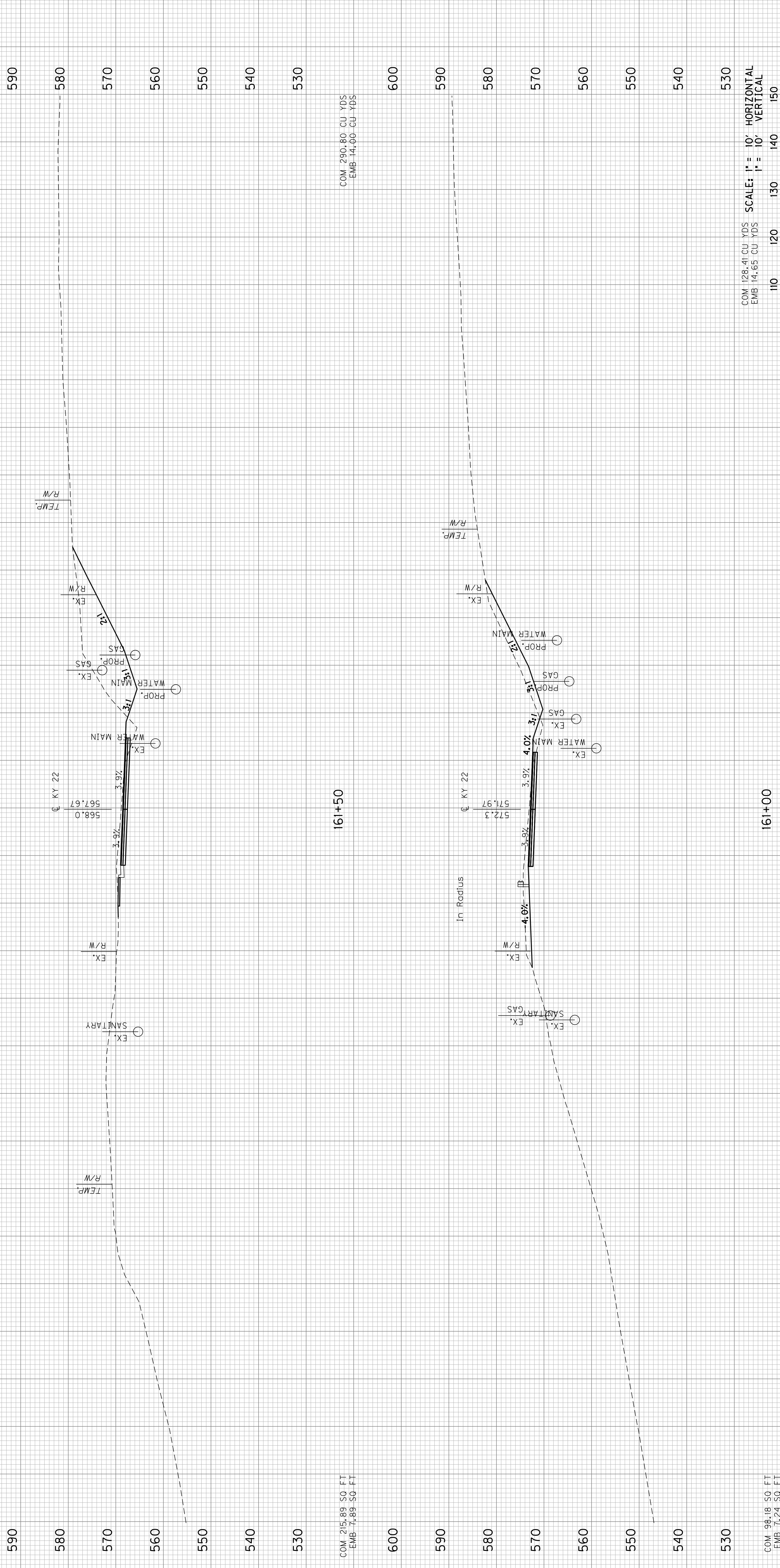
COM 56.68 SQ. FT
 EMB 3.09 SQ. FT

STA. 160+00 TO STA. 160+50

FILE NAME: ... \cde\r00x001.dgn
 DATE: 2/19/2023
 USER: kmcarney

E-SHEET NAME: KY 22

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-371.10	X4



COM 215.89 50 FT
EMB 7.89 50 FT

161+50

COM 290.80 CU YDS
EMB 14.00 CU YDS

COM 98.18 50 FT
EMB 7.24 50 FT

161+00

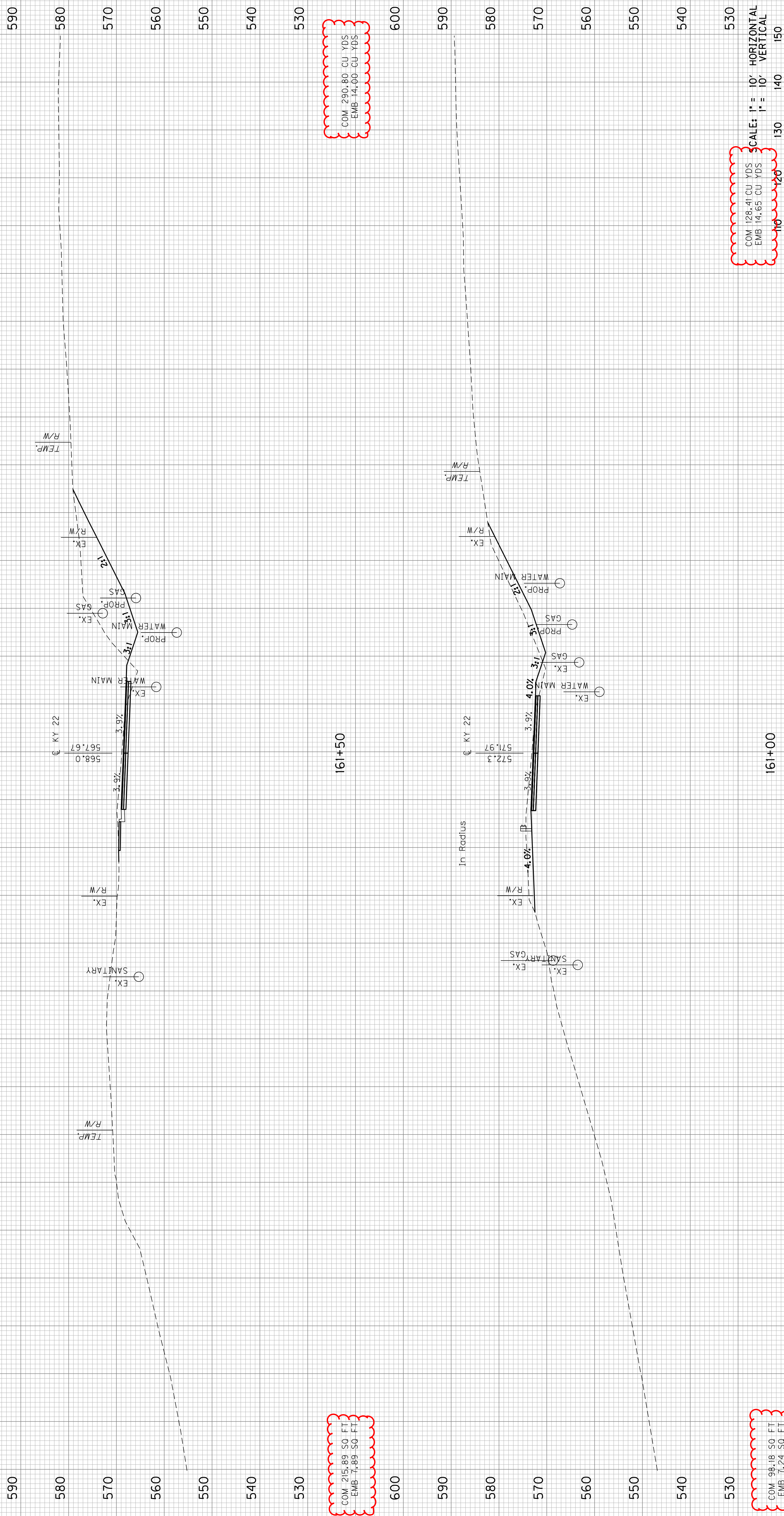
COM 128.41 CU YDS
EMB 14.65 CU YDS

SCALE: 1" = 10' HORIZONTAL
1" = 10' VERTICAL

STA. 161+00 TO STA. 161+50

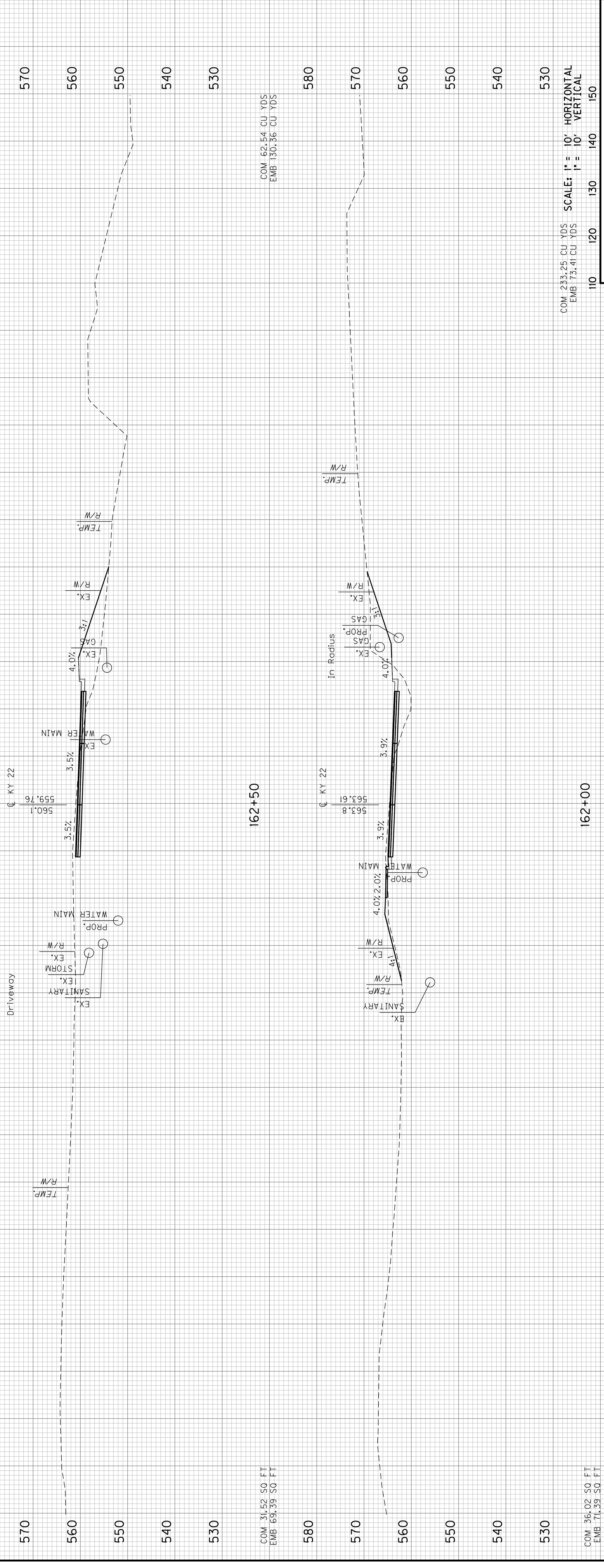
COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-371.10	X4

Revised 2/21/2023

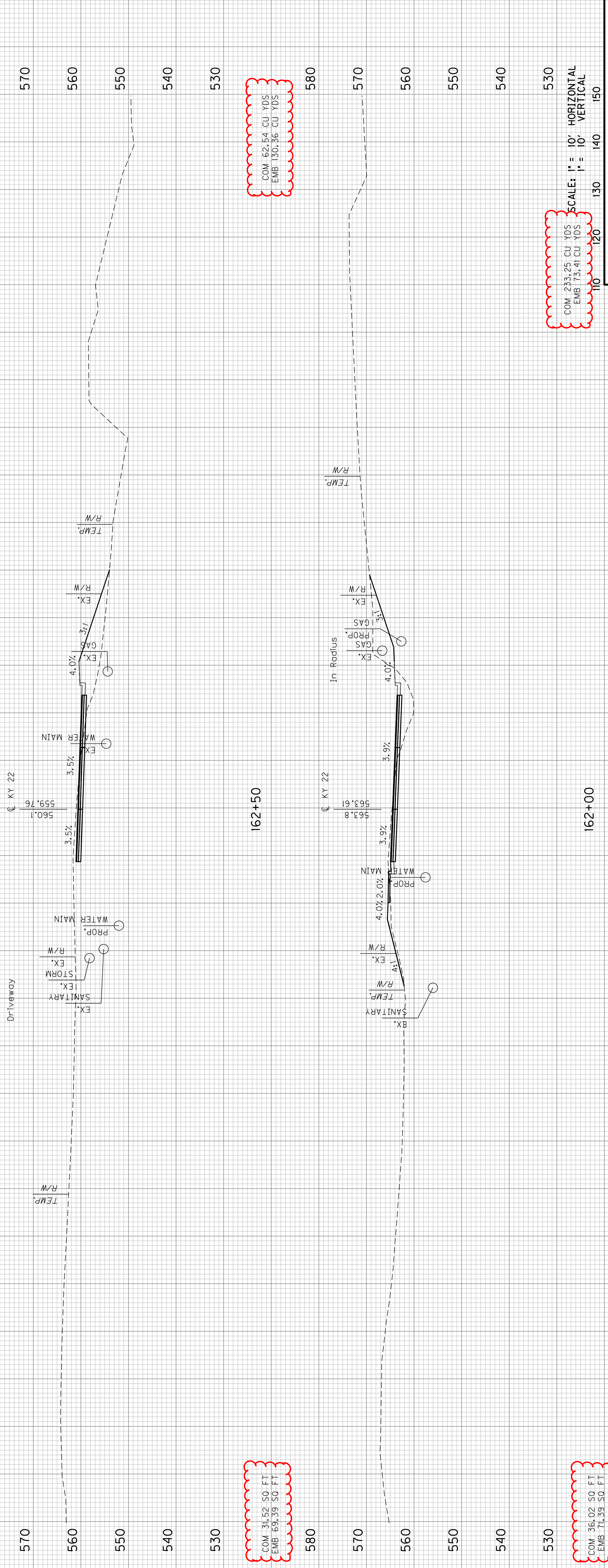


STA. 161+00 TO STA. 161+50

150 160 170 180 190 200 210 220 230 240 250 260 270 280 290 300 310 320 330 340 350 360 370 380 390 400 410 420 430 440 450 460 470 480 490 500 510 520 530 540 550 560 570 580 590 600



Revised 2/21/2023

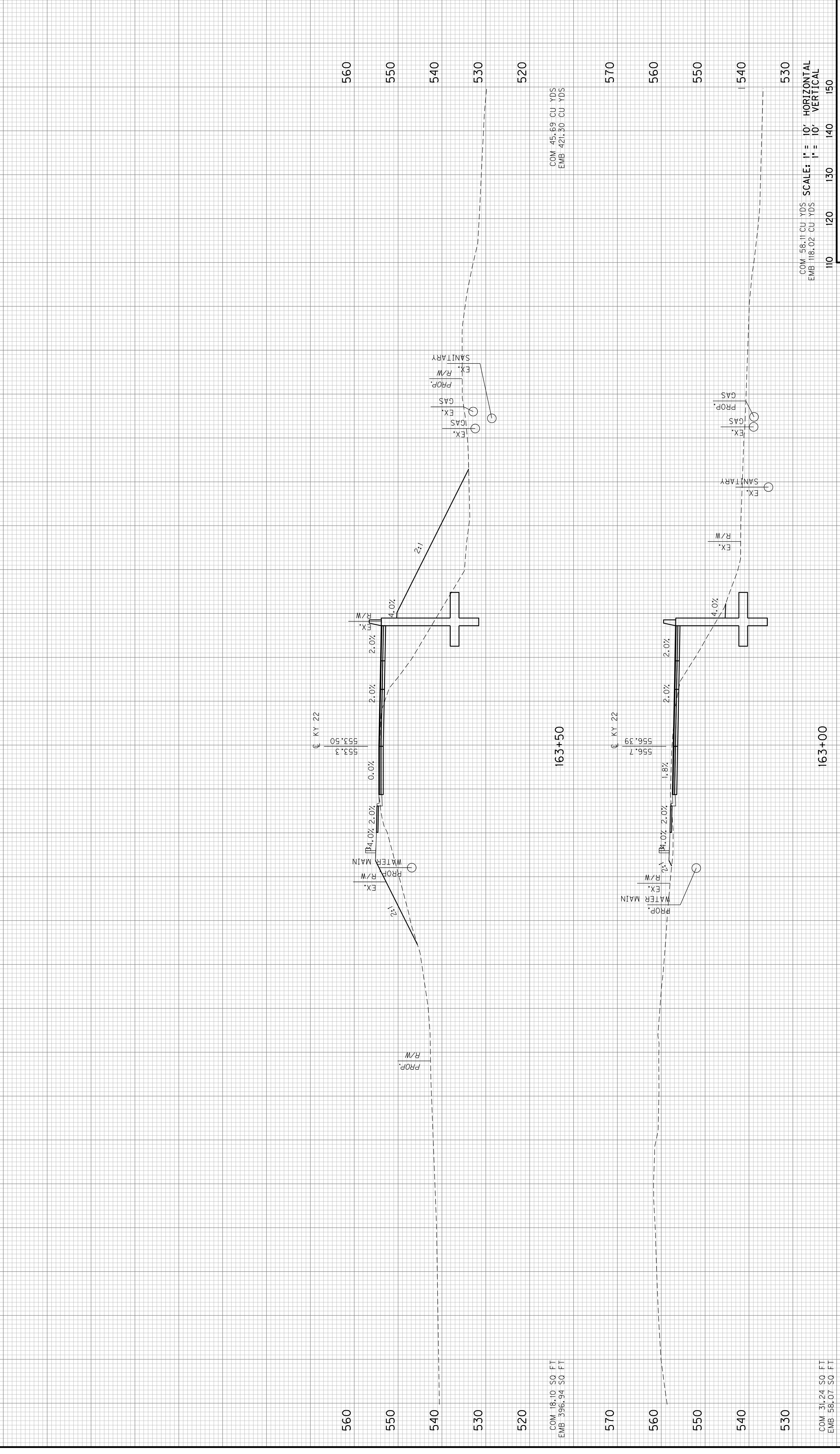


COM 233.25 CU YDS
 EMB 73.41 CU YDS
 SCALE: 1" = 10' HORIZONTAL
 1" = 10' VERTICAL

COM 31.52 50 FT
 EMB 69.39 50 FT

COM 62.54 CU YDS
 EMB 130.36 CU YDS

COM 36.02 50 FT
 EMB 71.39 50 FT



163+50

163+00

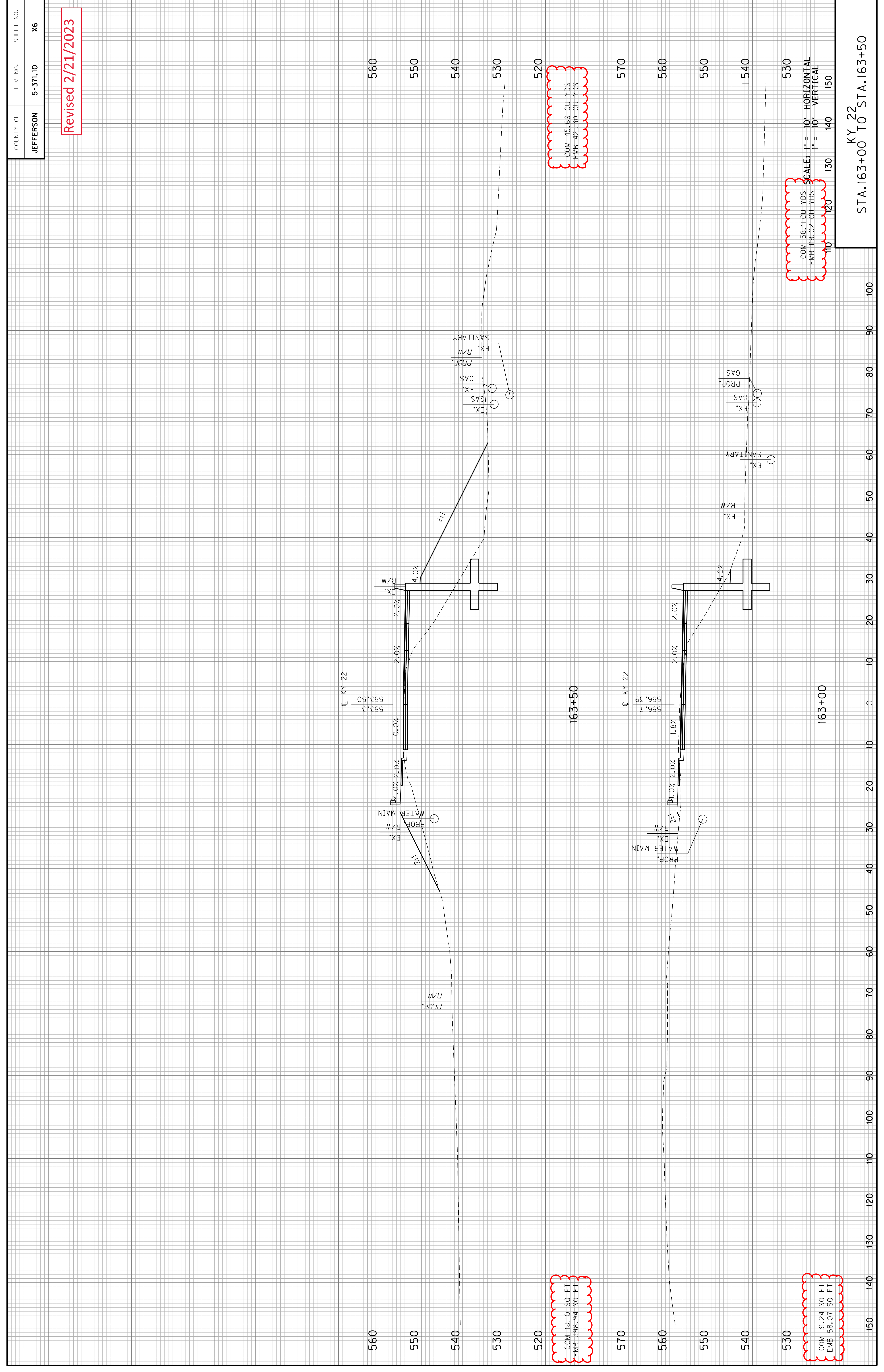
COM 45.69 CU YDS
 EMB 421.30 CU YDS

COM 18.10 50. FT
 EMB 396.94 50. FT

COM 56.11 CU YDS
 EMB 118.02 CU YDS

COM 31.24 50. FT
 EMB 58.07 50. FT

Revised 2/21/2023



© KY 22

© KY 22

COM 45.69 CU YDS
 EMB 421.30 CU YDS

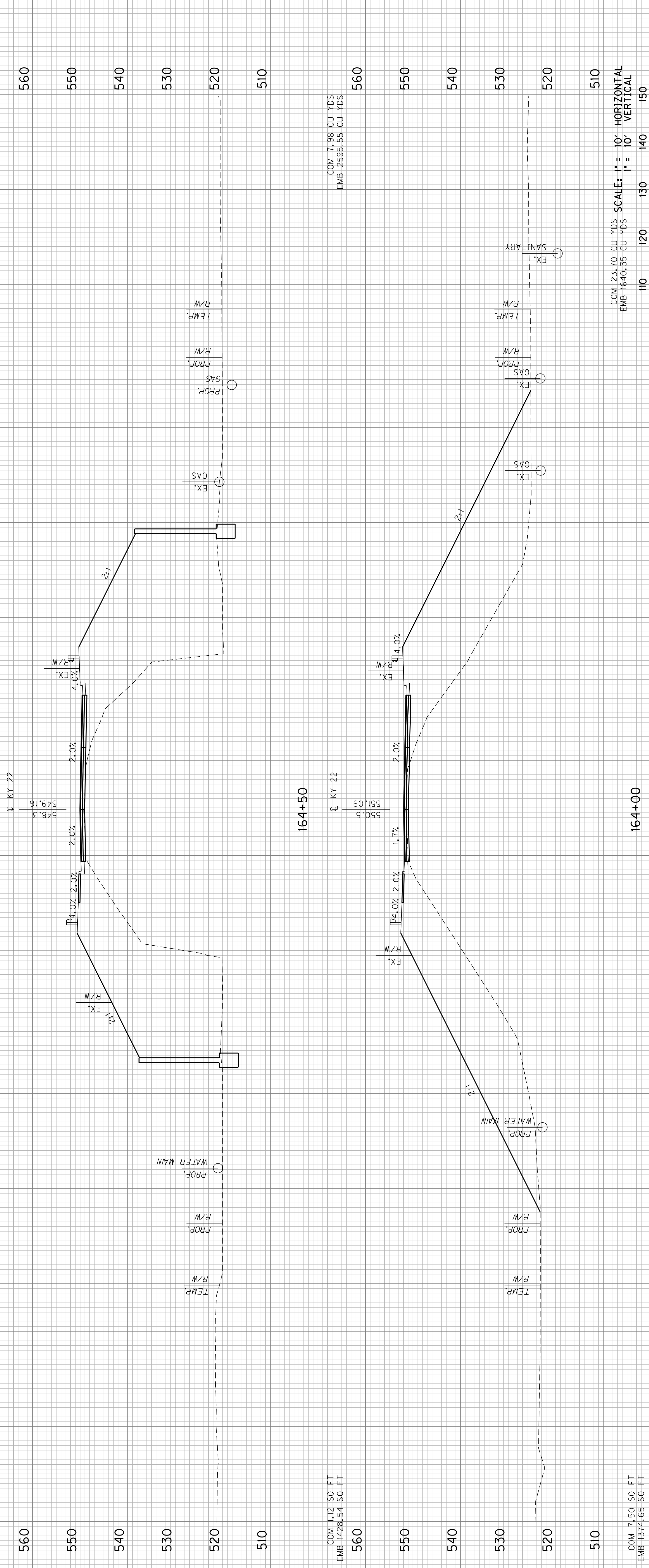
COM 56.11 CU YDS
 EMB 118.02 CU YDS

COM 31.24 SO. FT.
 EMB 58.07 SO. FT.

STA. 163+00 TO STA. 163+50

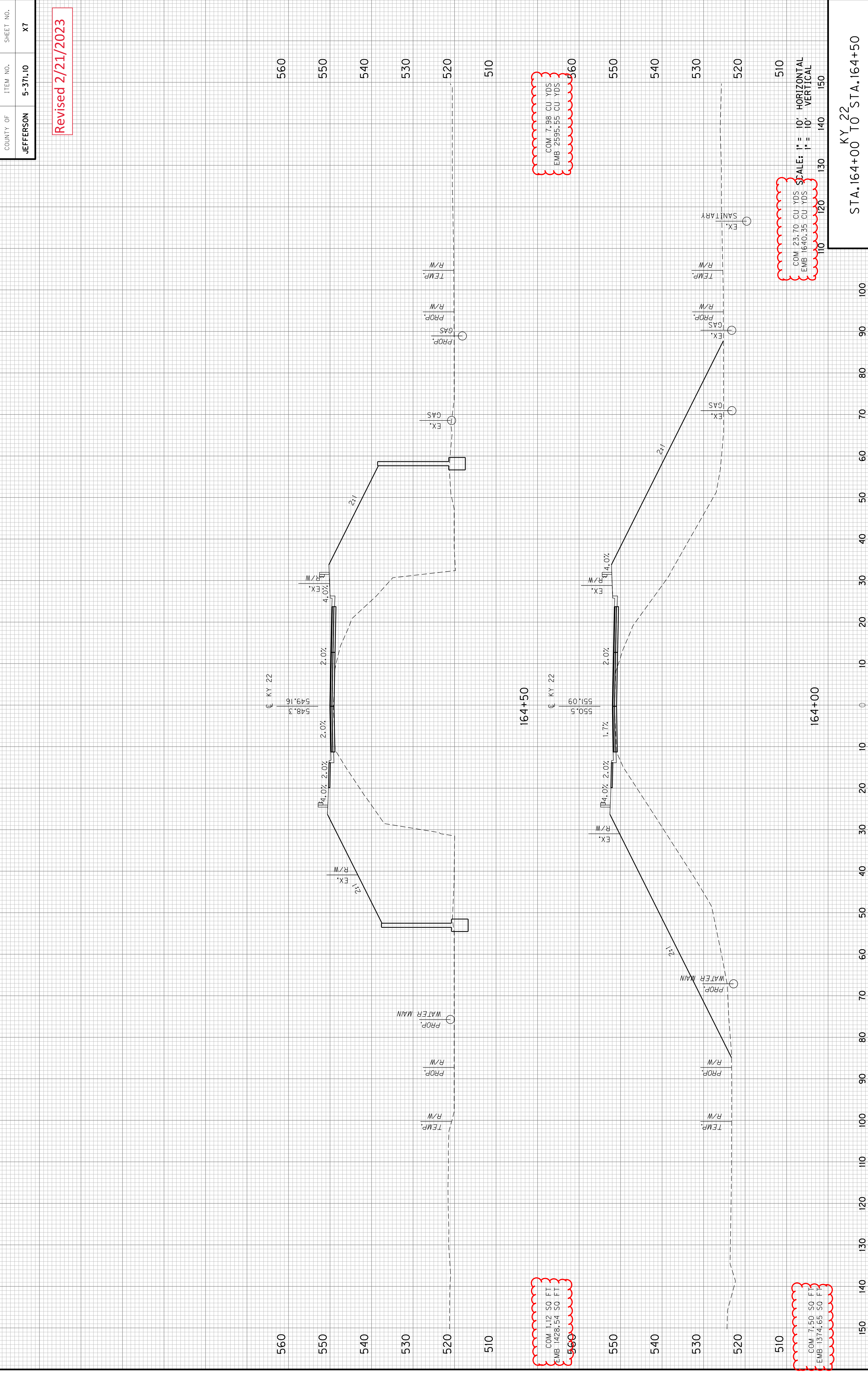
KY 22

150 160 170 180 190 200 210 220 230 240 250 260 270 280 290 300 310 320 330 340 350 360 370 380 390 400 410 420 430 440 450 460 470 480 490 500 510 520 530 540 550 560 570 580 590 600 610 620 630 640 650 660 670 680 690 700 710 720 730 740 750 760 770 780 790 800 810 820 830 840 850 860 870 880 890 900 910 920 930 940 950 960 970 980 990 1000



COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-371.10	X7

Revised 2/21/2023



COM 1.12 50 FT
 EMB 1428.54 50 FT
 560

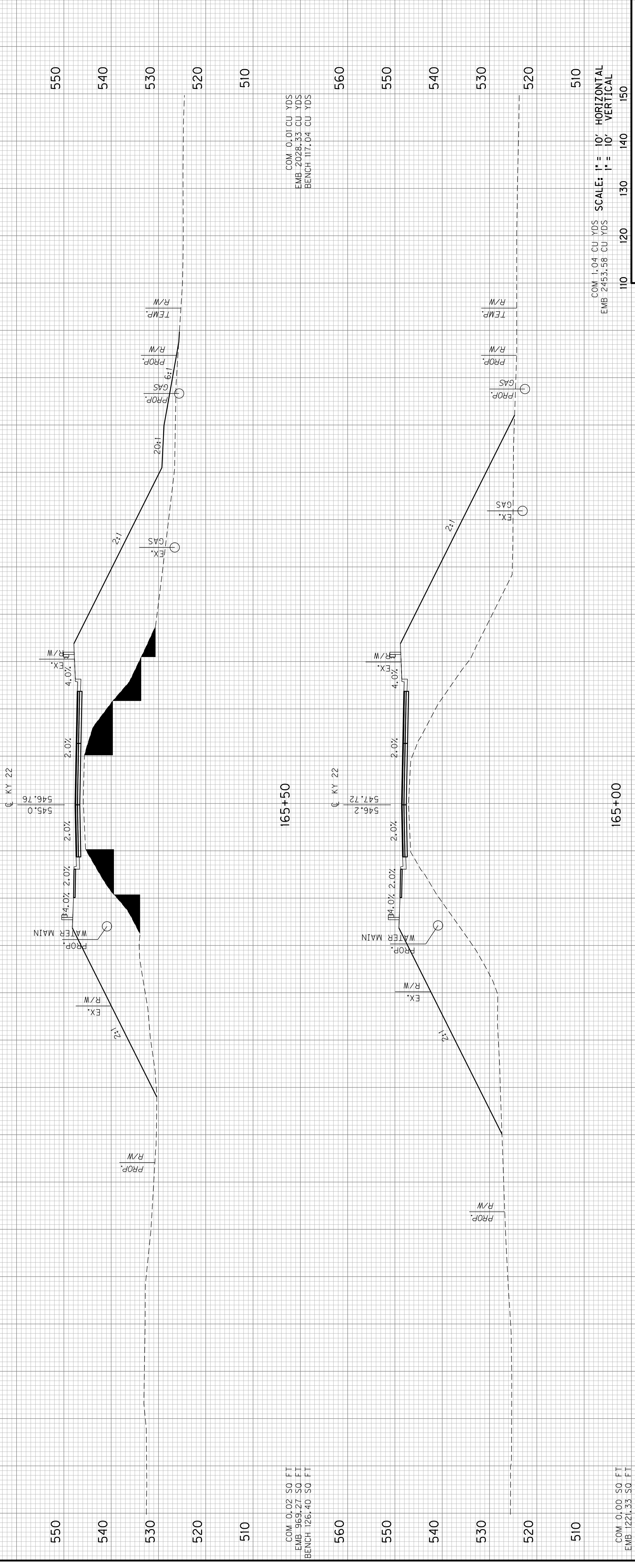
COM 7.50 50 FT
 EMB 1374.65 50 FT
 510

COM 7.98 CU YDS
 EMB 2595.55 CU YDS
 560

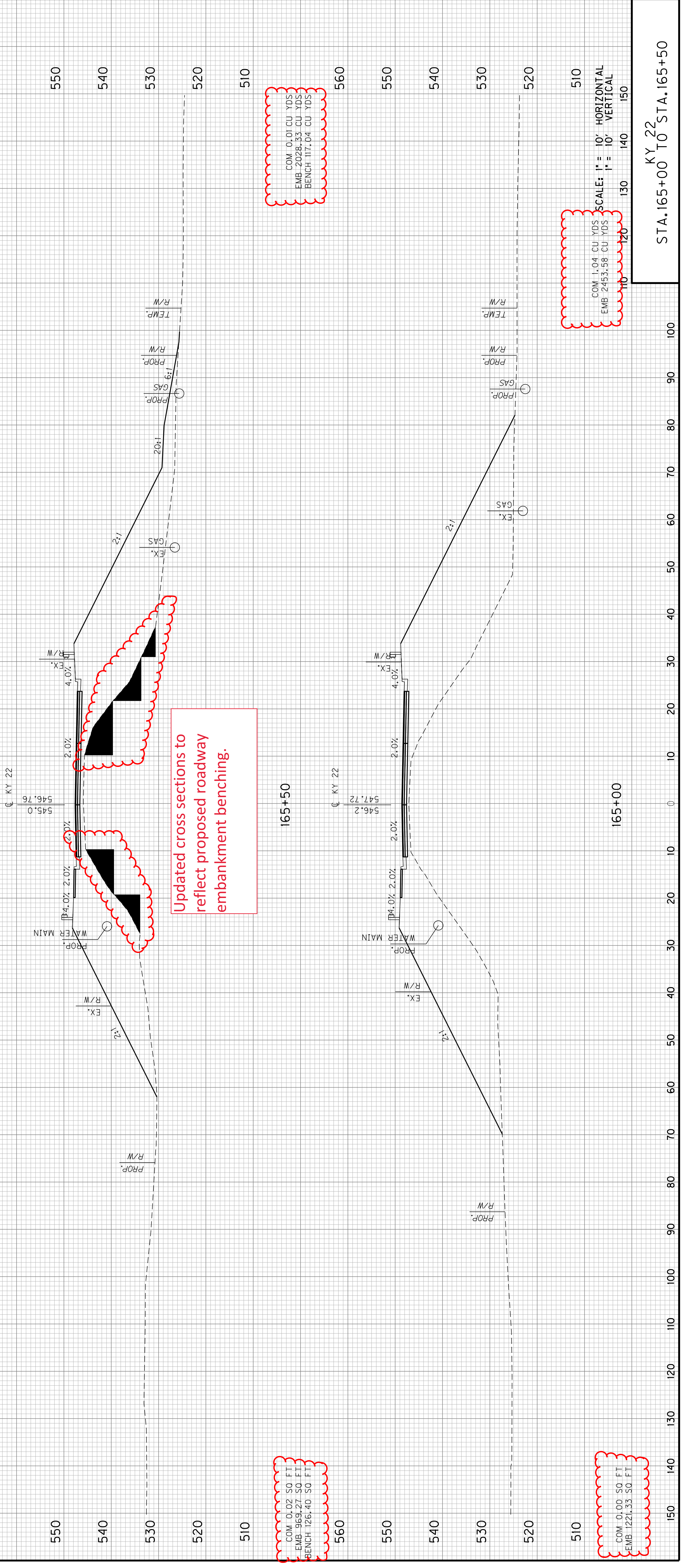
COM 23.70 CU YDS
 EMB 1640.35 CU YDS
 110 120 130 140 150
 510

STA. 164+00 TO STA. 164+50

KY 22



Revised 2/21/2023



COM: 0.02 50 FT
 EMB: 969.27 50 FT
 BENCH: 126.40 50 FT

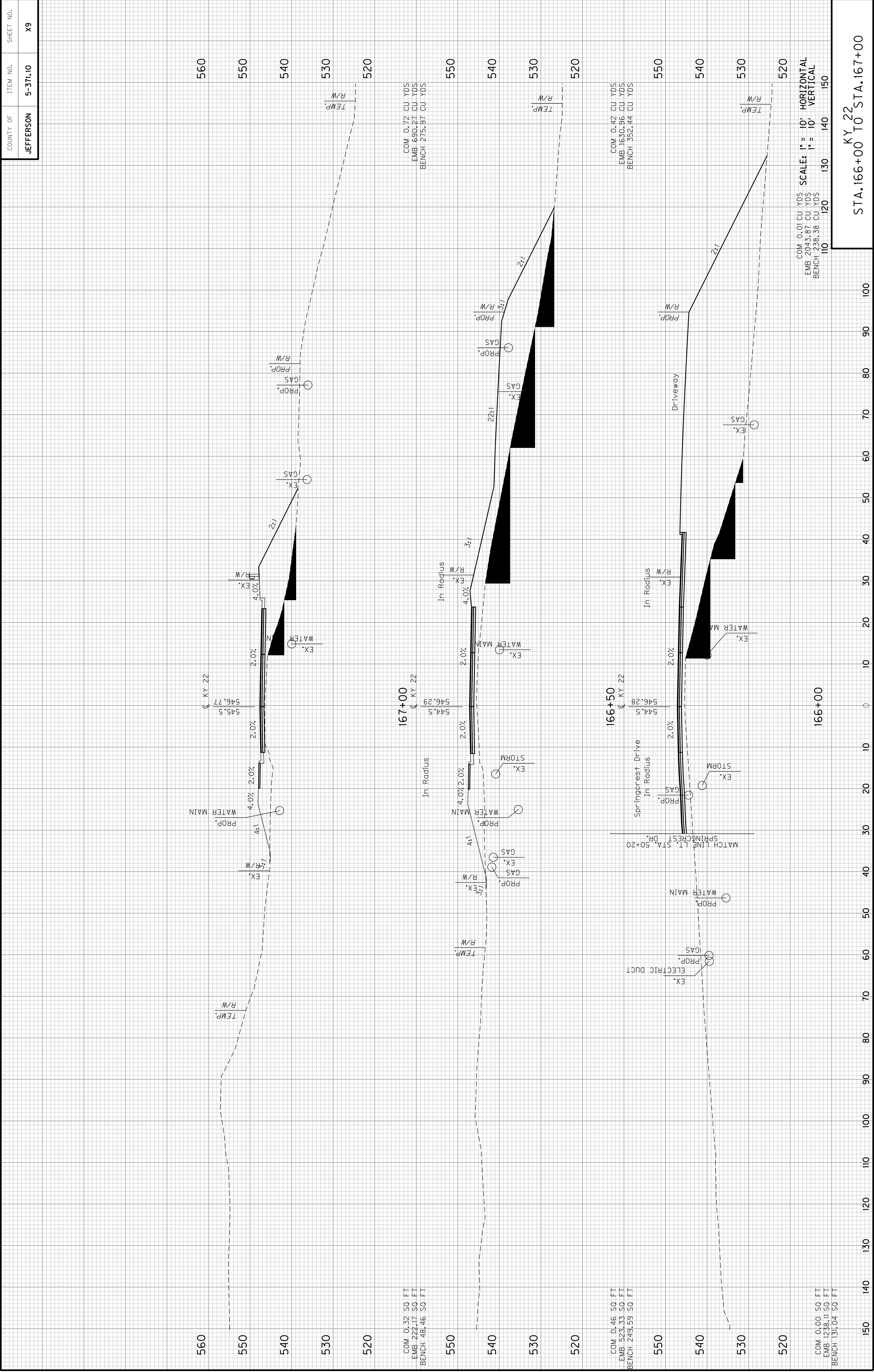
COM: 0.00 50 FT
 EMB: 1221.33 50 FT

COM: 0.01 CU YDS
 EMB: 2028.33 CU YDS
 BENCH: 117.04 CU YDS

COM: 1.04 CU YDS
 EMB: 2453.58 CU YDS

SCALE: 1" = 10' HORIZONTAL
 1" = 10' VERTICAL

STA. 165+00 TO STA. 165+50



COM 0.32 SO FT
 EMB 222.17 SO FT
 BENCH 481.46 SO FT

COM 0.46 SO FT
 EMB 523.33 SO FT
 BENCH 249.59 SO FT

COM 0.00 SO FT
 EMB 1238.11 SO FT
 BENCH 1311.04 SO FT

USER: kmcarney
 DATE: 2/19/2023
 FILE NAME: ... \cde\R00X001.dgn
 E-SHEET NAME:

COM 0.72 CU YDS
 EMB 690.27 CU YDS
 BENCH 275.97 CU YDS

COM 0.42 CU YDS
 EMB 1630.96 CU YDS
 BENCH 352.44 CU YDS

COM 0.01 CU YDS
 EMB 2043.87 CU YDS
 BENCH 238.38 CU YDS

SCALE: 1" = 10' HORIZONTAL
 1" = 10' VERTICAL

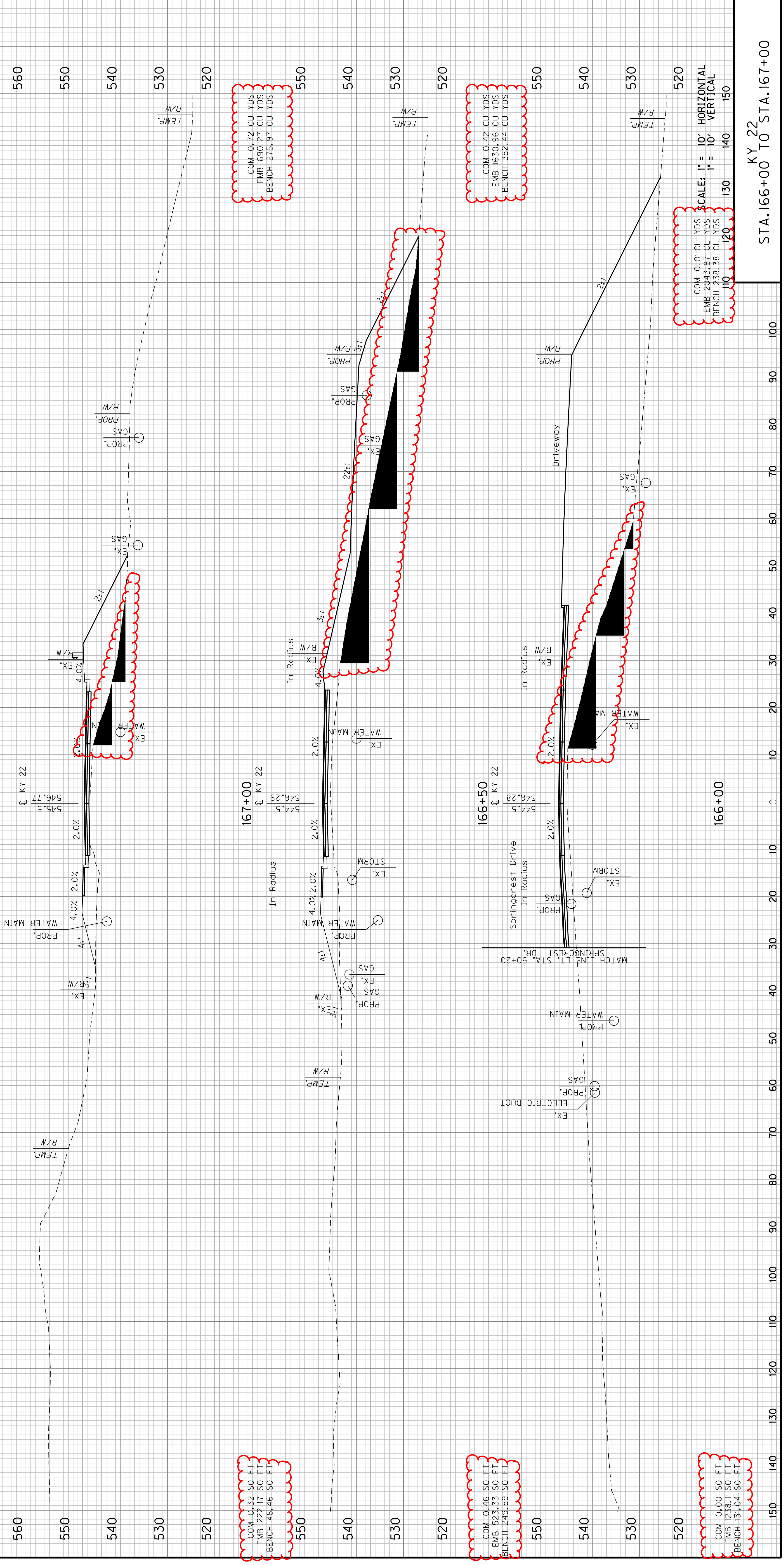
110 120 130 140 150

STA. 166+00 TO STA. 167+00

KY 22

Revised 2/21/2023

Updated cross sections to reflect proposed roadway embankment benching.



COM 0.32 SO. FT.
 EMB 222.17 SO. FT.
 BENCH 48.146 SO. FT.

COM 0.46 SO. FT.
 EMB 523.33 SO. FT.
 BENCH 249.59 SO. FT.

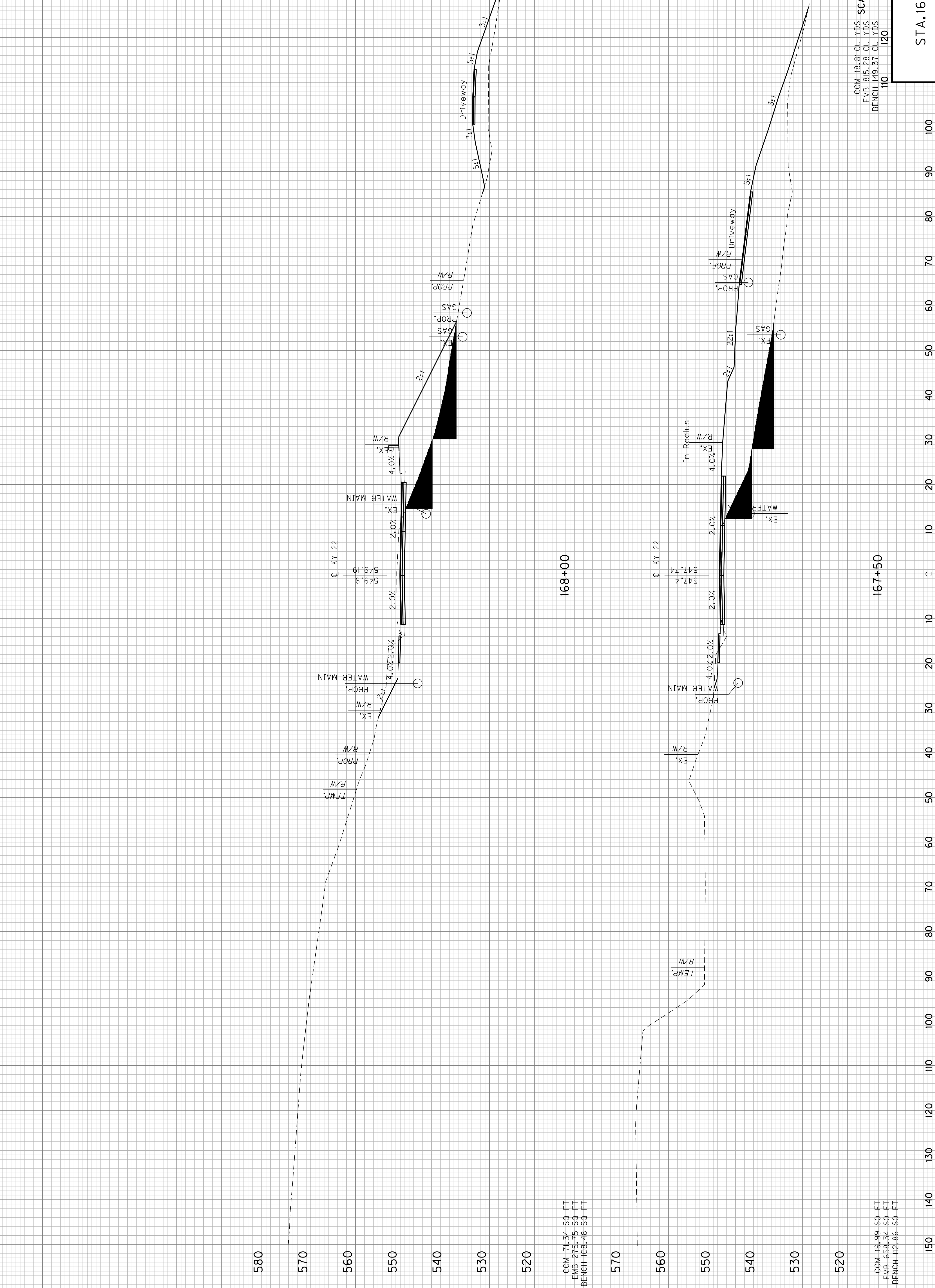
COM 0.00 SO. FT.
 EMB 1238.11 SO. FT.
 BENCH 131.04 SO. FT.

167+00
 COM 0.72 CU YDS
 EMB 690.27 CU YDS
 BENCH 275.97 CU YDS

166+50
 COM 0.42 CU YDS
 EMB 1630.96 CU YDS
 BENCH 352.44 CU YDS

COM 0.01 CU YDS
 EMB 2043.87 CU YDS
 BENCH 238.38 CU YDS

SCALE: 1" = 10' HORIZONTAL
 1" = 10' VERTICAL



COM 71.34 50 FT
 EMB 275.75 50 FT
 BENCH 108.48 50 FT

168+00

COM 19.99 50 FT
 EMB 658.34 50 FT
 BENCH 112.86 50 FT

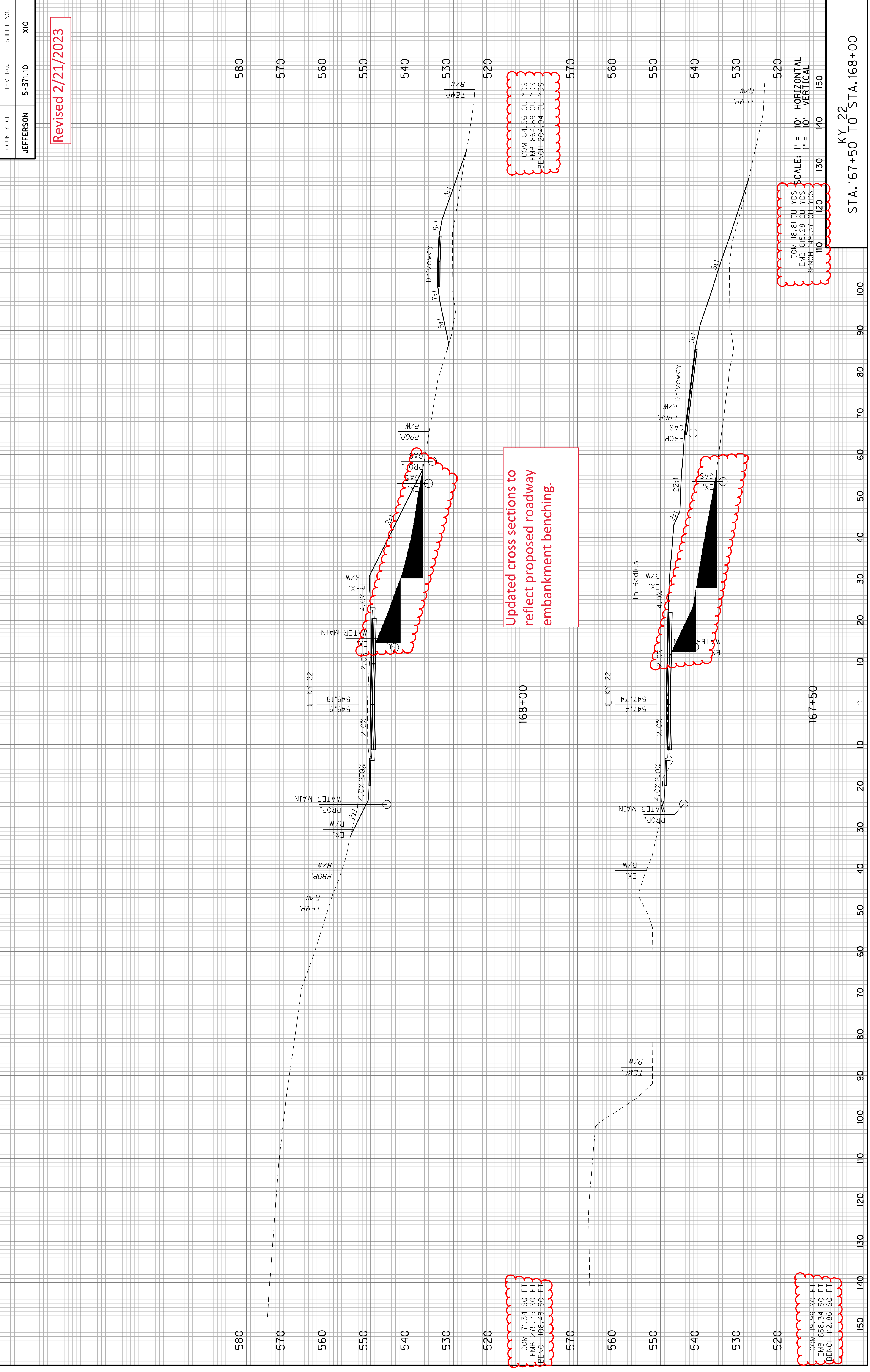
167+50

COM 84.56 CU YDS
 EMB 864.89 CU YDS
 BENCH 204.94 CU YDS

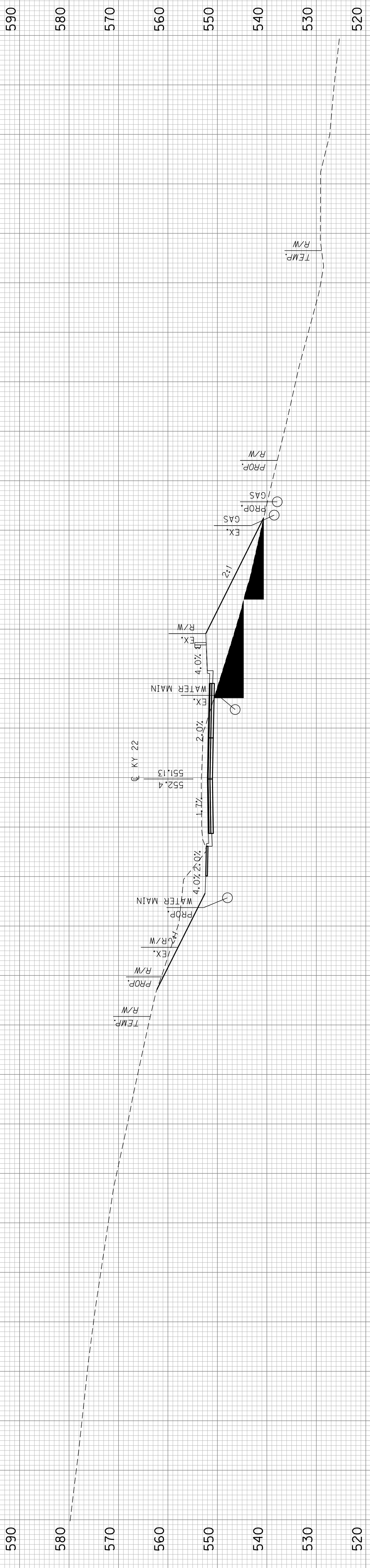
COM 18.81 CU YDS
 EMB 815.28 CU YDS
 BENCH 149.37 CU YDS

SCALE: 1" = 10' HORIZONTAL
 1" = 10' VERTICAL

Revised 2/21/2023



Updated cross sections to reflect proposed roadway embankment benching.



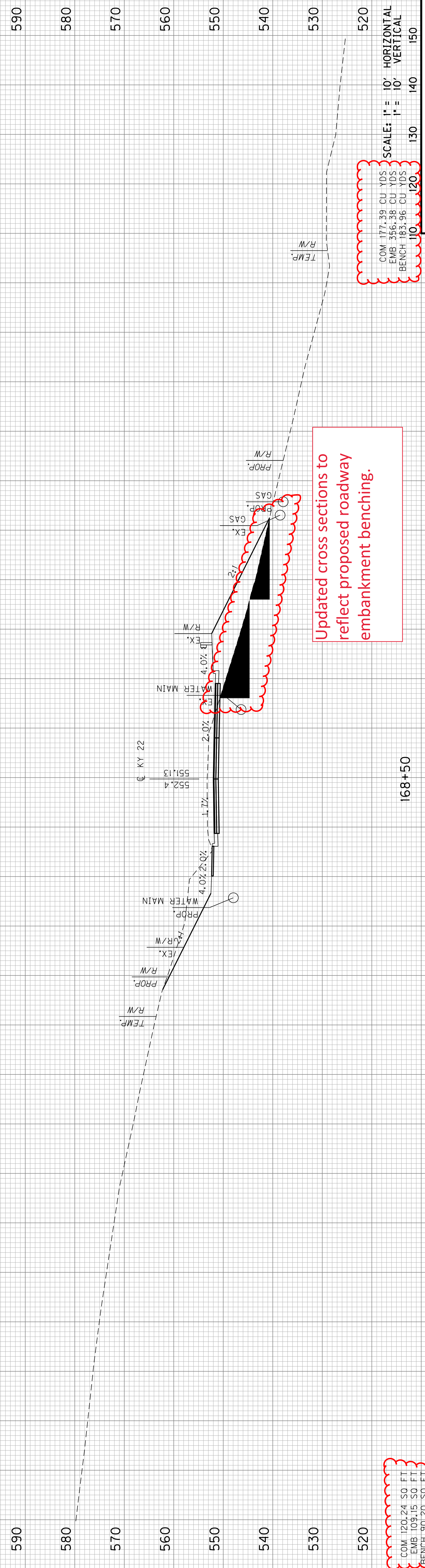
COM 177.39 CU YDS
 EMB 356.38 CU YDS
 BENCH 183.96 CU YDS

SCALE: 1" = 10' HORIZONTAL
 1" = 10' VERTICAL

168+50

COM 120.24 50 FT
 EMB 109.15 50 FT
 BENCH 901.20 50 FT

Revised 2/21/2023

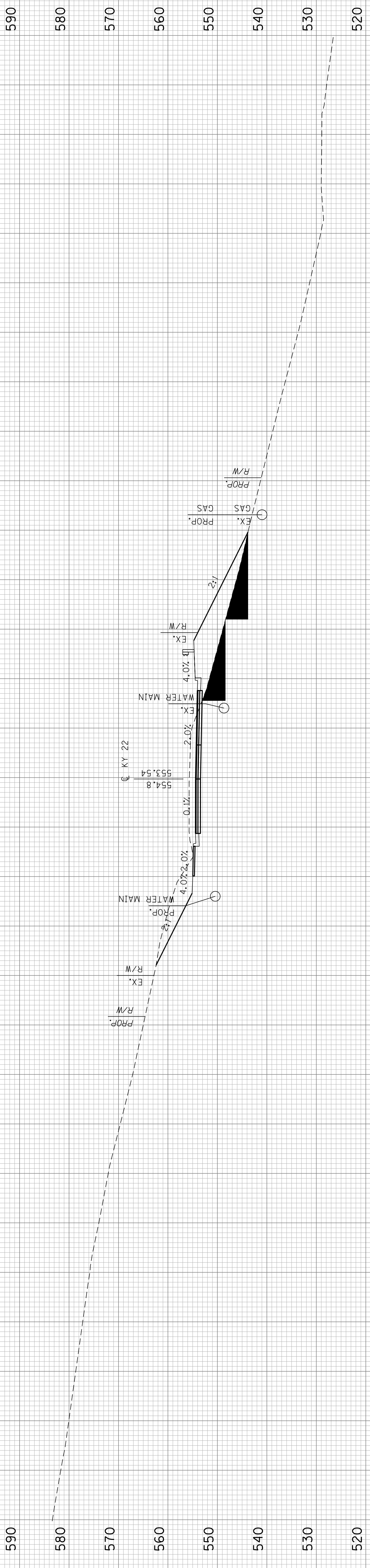


COM 120.24 50 FT
 EMB 109.15 50 FT
 BENCH 90:20 50 FT

COM 177.39 CU YDS
 EMB 356.38 CU YDS
 BENCH 183.96 CU YDS
 110 120 130 140 150

Updated cross sections to reflect proposed roadway embankment benching.

168+50



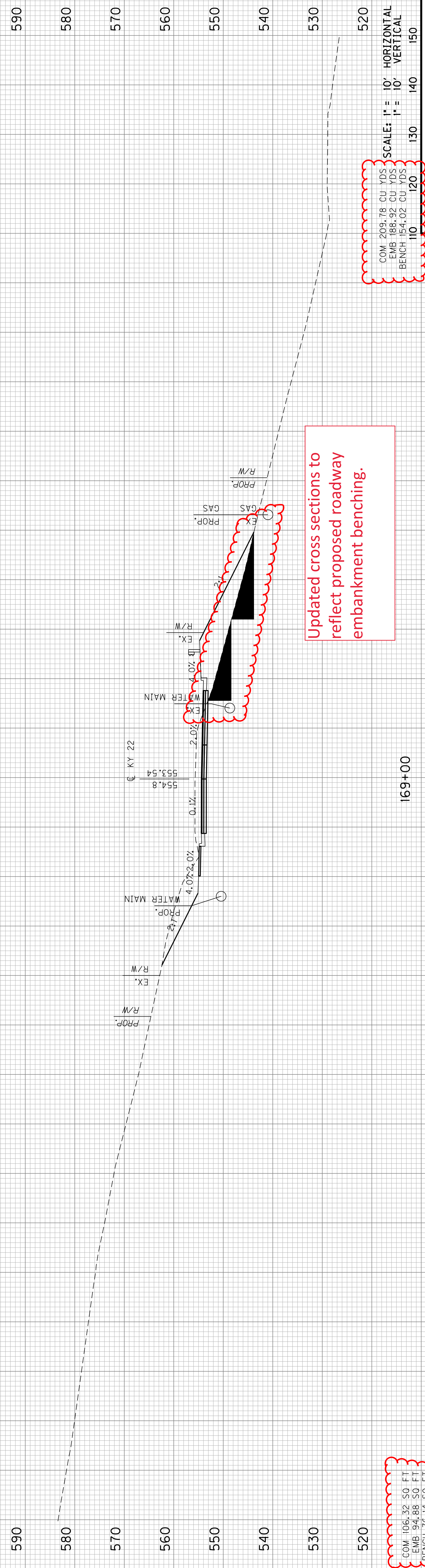
COM 209.78 CU YDS
 EMB 188.92 CU YDS
 BENCH 154.02 CU YDS

SCALE: 1" = 10' HORIZONTAL
 1" = 10' VERTICAL

169+00

COM 106.32 SO. FT
 EMB 94.88 SO. FT
 BENCH 76.14 SO. FT

Revised 2/21/2023



Updated cross sections to reflect proposed roadway embankment benching.

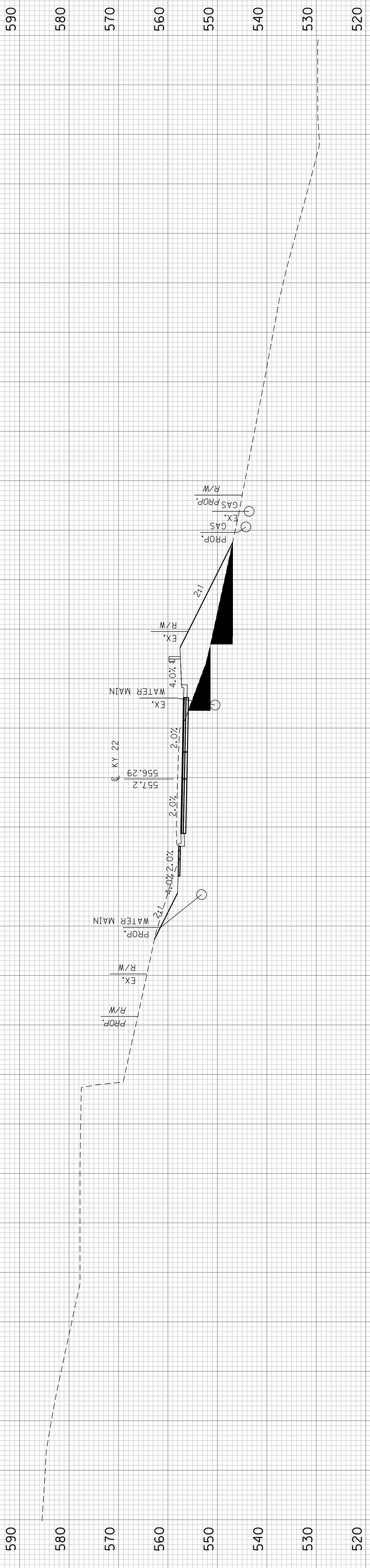
COM 209.78 CU YDS
 EMB 188.92 CU YDS
 BENCH 154.02 CU YDS

SCALE: 1" = 10' HORIZONTAL
 1" = 10' VERTICAL

COM 106.32 SO. FT
 EMB 94.88 SO. FT
 BENCH 76.14 SO. FT

169+00

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-371.10	X13



COM 157.17 CU YDS
 EMB 185.85 CU YDS
 BENCH 138.94 CU YDS

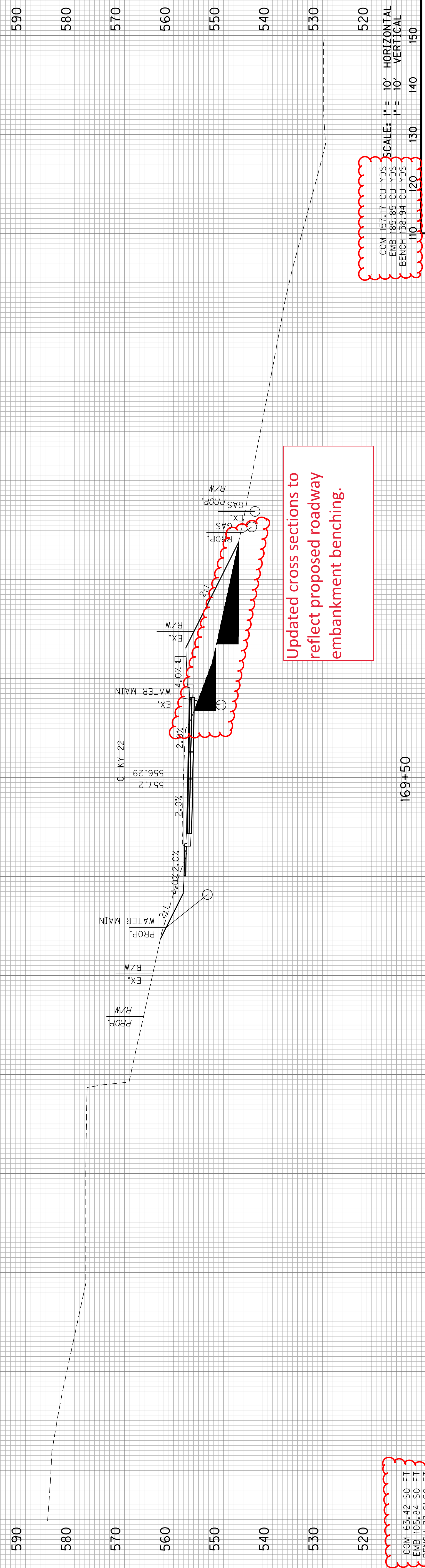
SCALE: 1" = 10' HORIZONTAL
 1" = 10' VERTICAL

169+50

COM 63.42 CU YDS
 EMB 105.84 CU YDS
 BENCH 73.91 CU YDS

KY 22
 STA. 169+50

Revised 2/21/2023



Updated cross sections to reflect proposed roadway embankment benching.

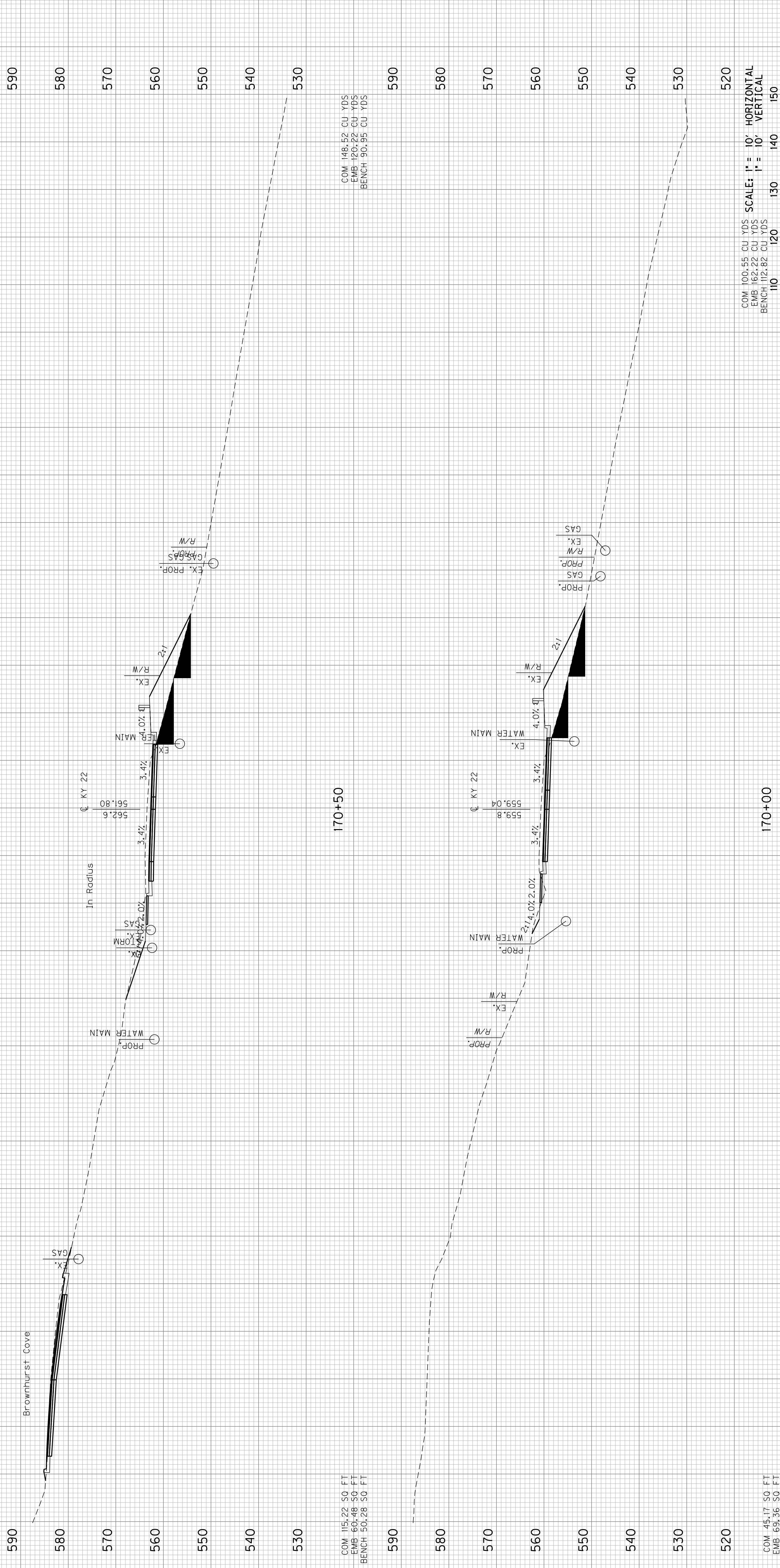
COM 157.17 CU YDS
 EMB 185.85 CU YDS
 BENCH 138.94 CU YDS

SCALE:	1" = 10'	HORIZONTAL
	1" = 10'	VERTICAL

110	120	130	140	150
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169+50

KY 22
 STA. 169+50



590
580
570
560
550
540
530

590
580
570
560
550
540
530

520

170+50

170+00

150

140

130

120

110

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

COM 45.17 50 FT
 EMB 69.36 50 FT
 BENCH 47.34 50 FT

COM 115.22 50 FT
 EMB 60.48 50 FT
 BENCH 50.28 50 FT

170+50

170+00

COM 148.52 CU YDS
 EMB 120.22 CU YDS
 BENCH 90.95 CU YDS

COM 100.55 CU YDS
 EMB 162.22 CU YDS
 BENCH 112.82 CU YDS

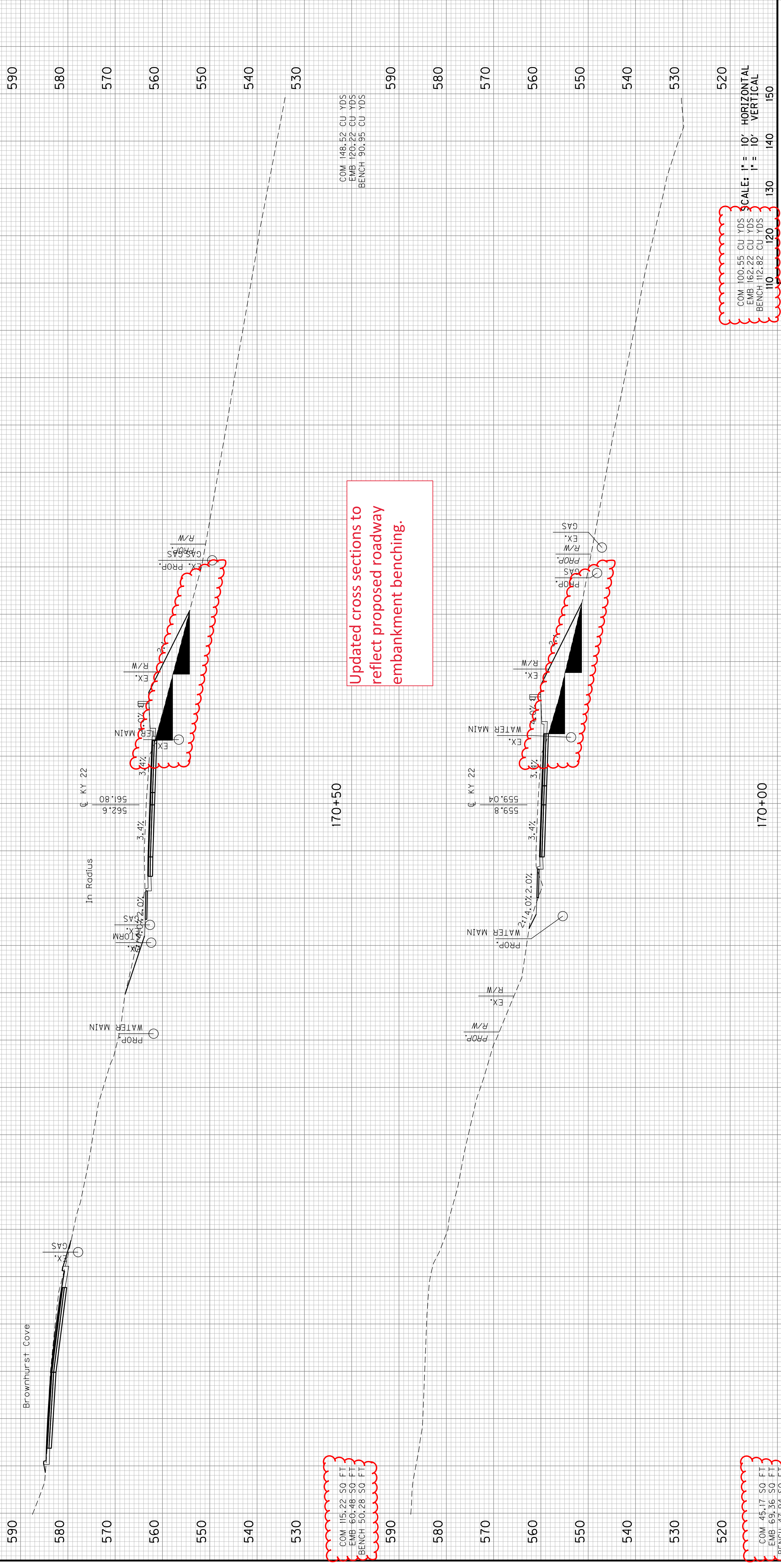
SCALE: 1" = 10' HORIZONTAL
 1" = 10' VERTICAL

110 120 130 140 150

STA. 170+00 TO STA. 170+50

KY 22

Revised 2/21/2023



Updated cross sections to reflect proposed roadway embankment benching.

COM 115.22 50 FT
 EMB 60.48 50 FT
 BENCH 50.28 50 FT

COM 45.17 50 FT
 EMB 69.36 50 FT
 BENCH 47.34 50 FT

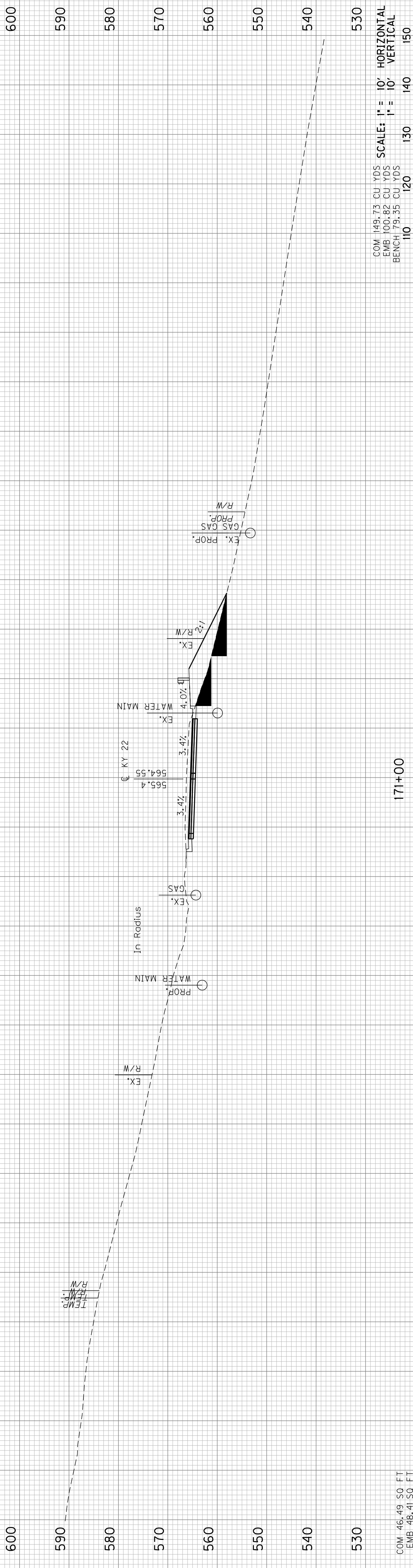
COM 148.52 CU YDS
 EMB 120.22 CU YDS
 BENCH 90.95 CU YDS

COM 100.55 CU YDS
 EMB 162.22 CU YDS
 BENCH 112.82 CU YDS

SCALE: 1" = 10' HORIZONTAL
 1" = 10' VERTICAL

STA. 170+00 TO STA. 170+50

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-371.10	X15



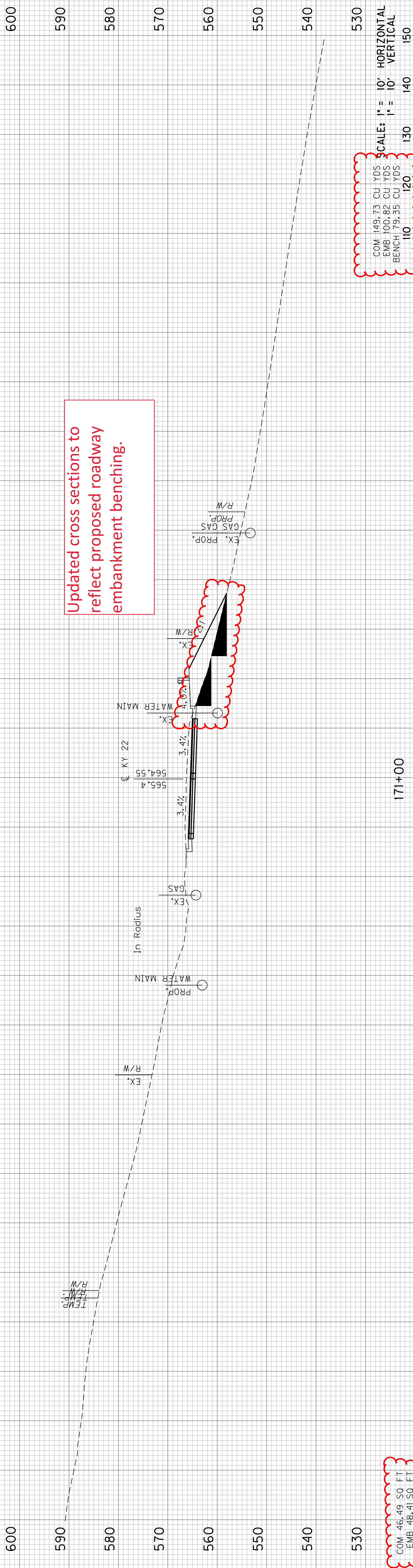
COM 149.73 CU YDS
 EMB 100.82 CU YDS
 BENCH 79.35 CU YDS

SCALE: 1" = 10' HORIZONTAL
 1" = 10' VERTICAL

171+00

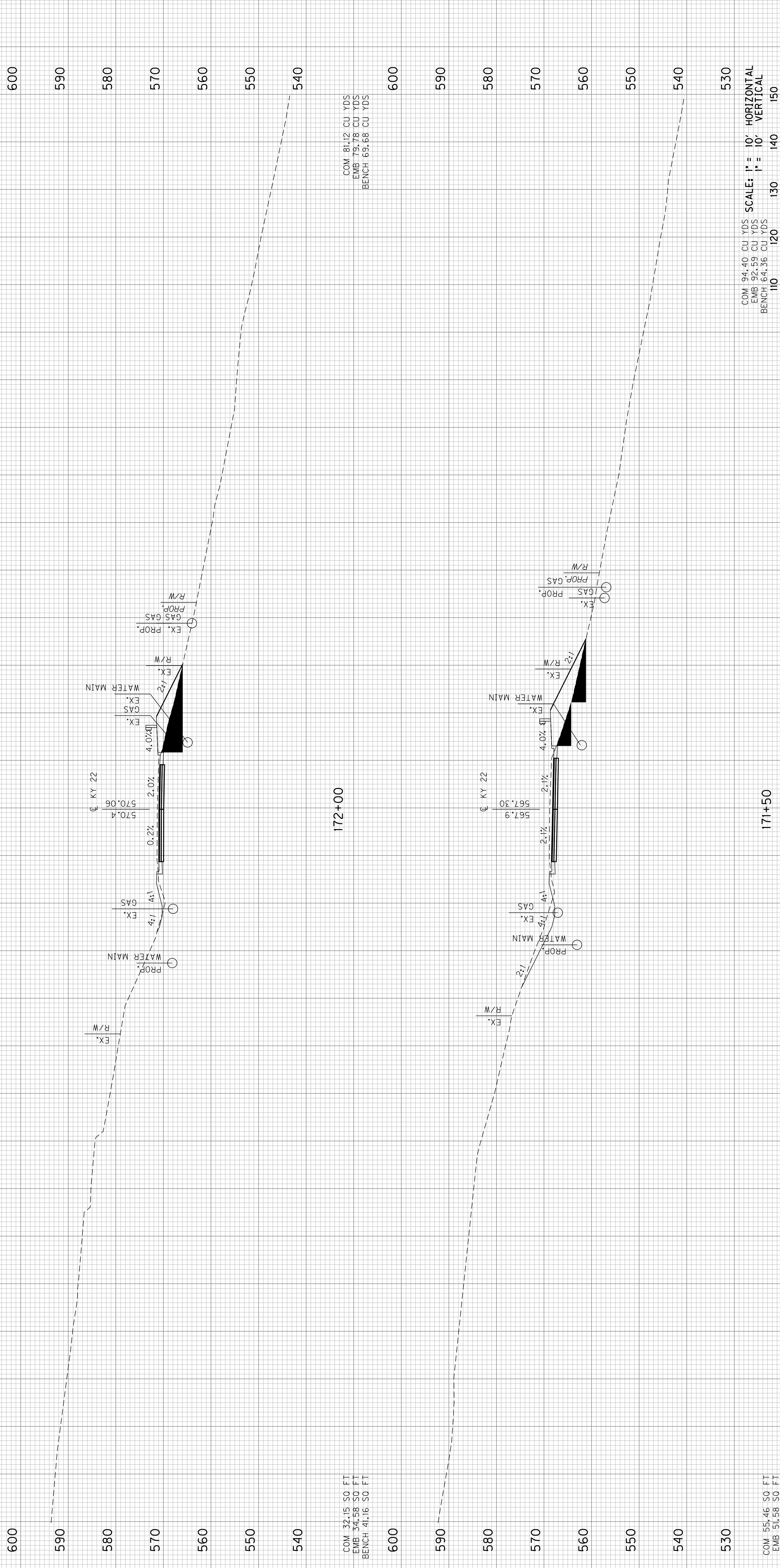
COM 46.49 50. FT
 EMB 18.41 50. FT
 BENCH 35.41 50. FT

Revised 2/21/2023



COM 46.49 CU YDS
EMB 182.41 CU YDS
BENCH 35.41 CU YDS

171+00



COM 32.15 CU YDS
 EMB 34.58 CU YDS
 BENCH 41.16 CU YDS

172+00

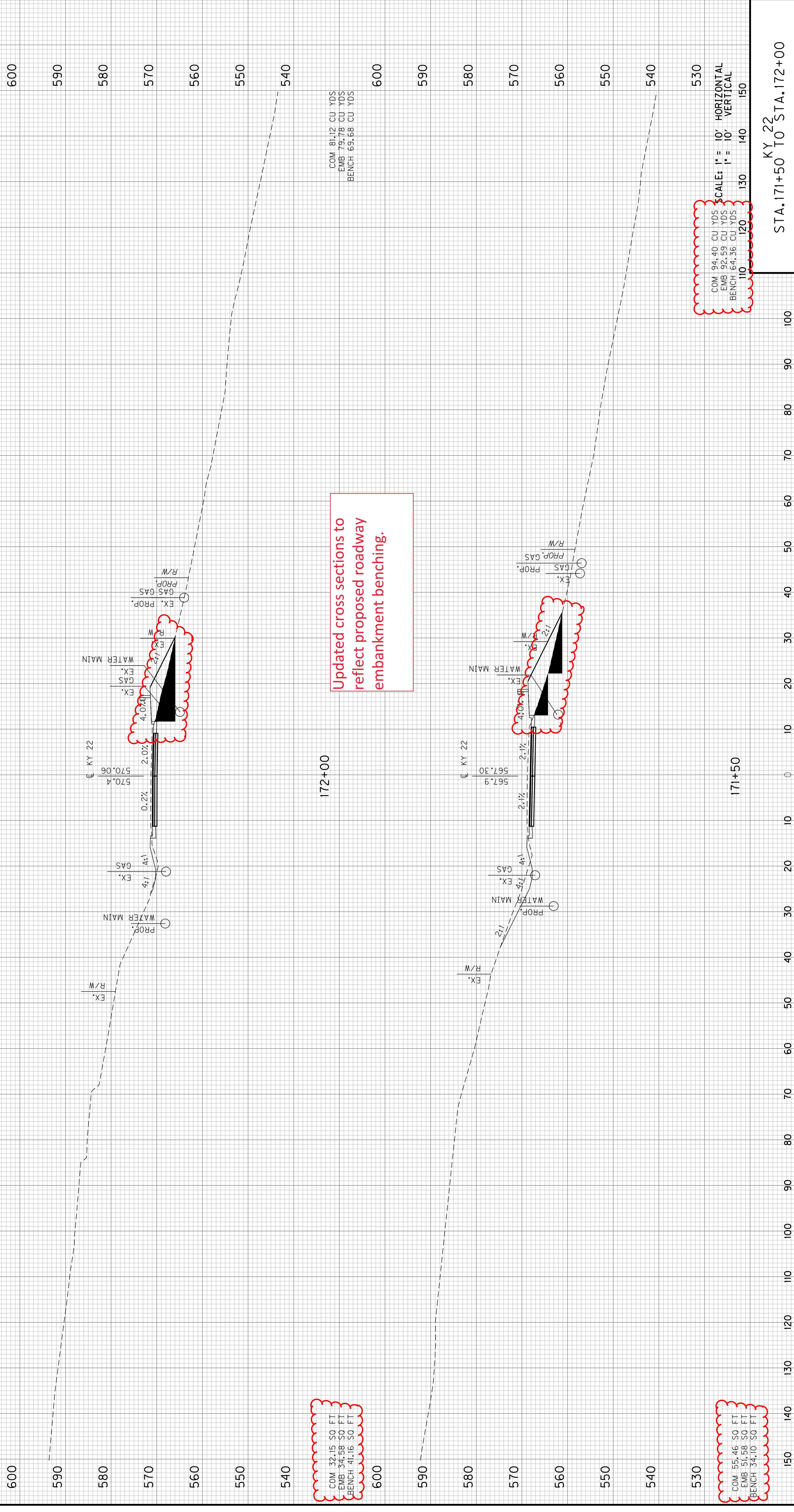
COM 81.12 CU YDS
 EMB 79.78 CU YDS
 BENCH 69.68 CU YDS

COM 94.40 CU YDS
 EMB 92.59 CU YDS
 BENCH 64.36 CU YDS

171+50

SCALE: 1" = 10' HORIZONTAL
 1" = 10' VERTICAL

Revised 2/21/2023



COM 32.15 SQ. FT.
 EMB 34.58 SQ. FT.
 BENCH 41.16 SQ. FT.

172+00

Updated cross sections to reflect proposed roadway embankment benching.

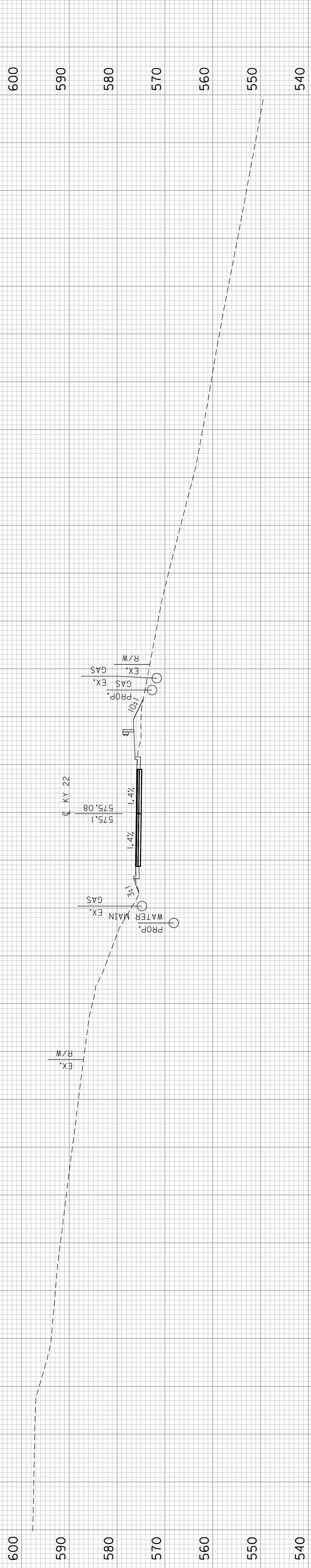
COM 55.46 SQ. FT.
 EMB 51.58 SQ. FT.
 BENCH 34.10 SQ. FT.

171+50

COM 81.12 CU YDS
 EMB 79.78 CU YDS
 BENCH 69.68 CU YDS

COM 94.40 CU YDS
 EMB 92.59 CU YDS
 BENCH 64.36 CU YDS

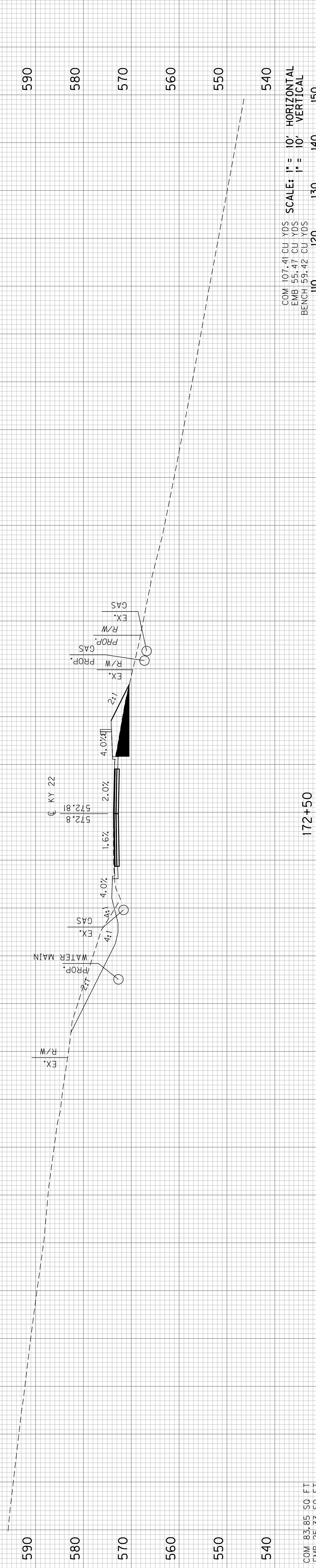
SCALE: 1" = 10' HORIZONTAL
 1" = 10' VERTICAL



COM 24.18 CU YDS
EMB 13.17 CU YDS
BENCH 01.00 CU YDS

173+00

COM 100.03 CU YDS
EMB 35.64 CU YDS
BENCH 21.31 CU YDS



COM 83.85 CU YDS
EMB 25.33 CU YDS
BENCH 25.01 CU YDS

172+50

COM 107.41 CU YDS
EMB 55.47 CU YDS
BENCH 59.42 CU YDS

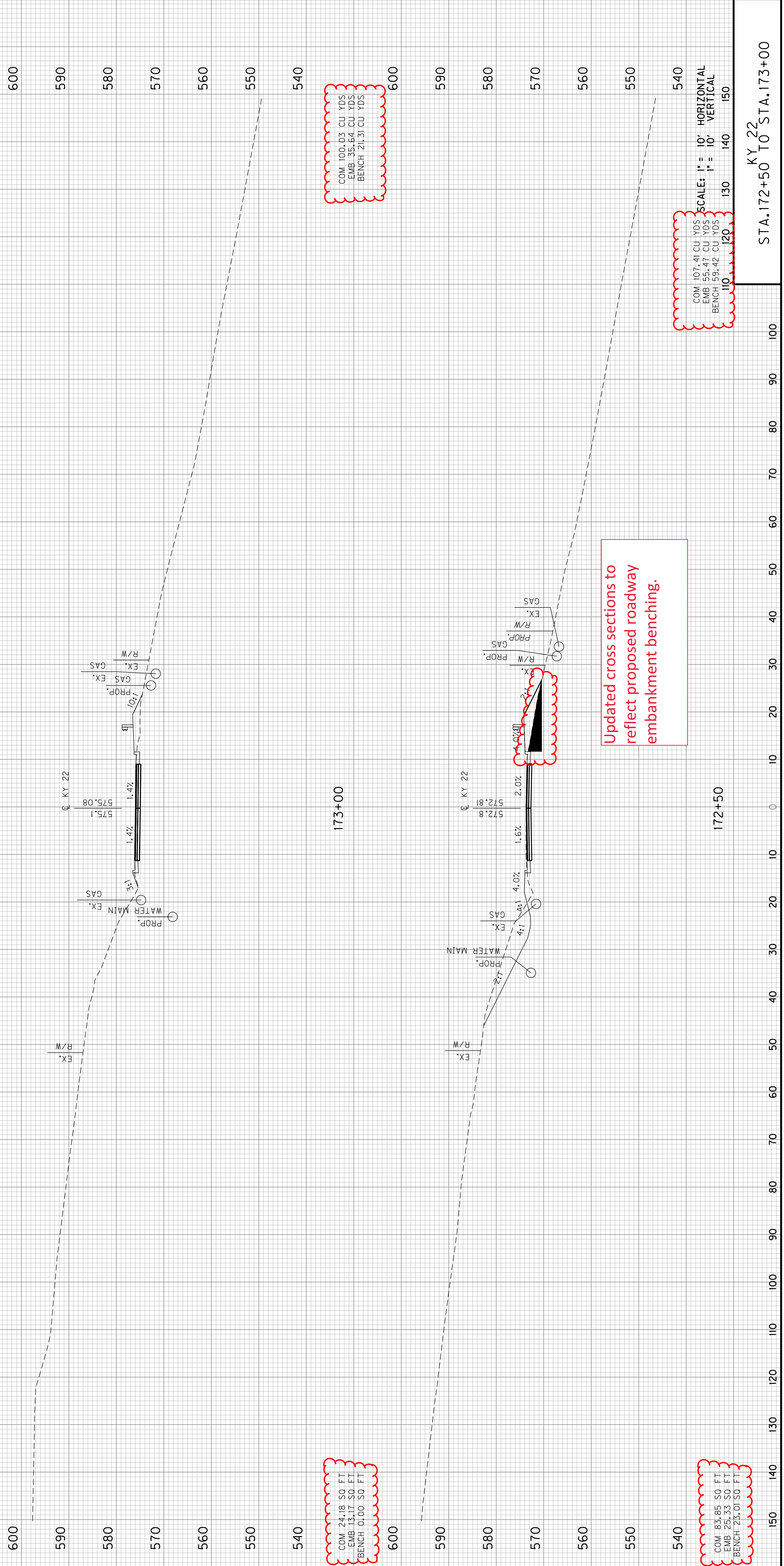
SCALE: 1" = 10' HORIZONTAL
1" = 10' VERTICAL

STA. 172+50 TO STA. 173+00

KY 22

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-371.10	X17

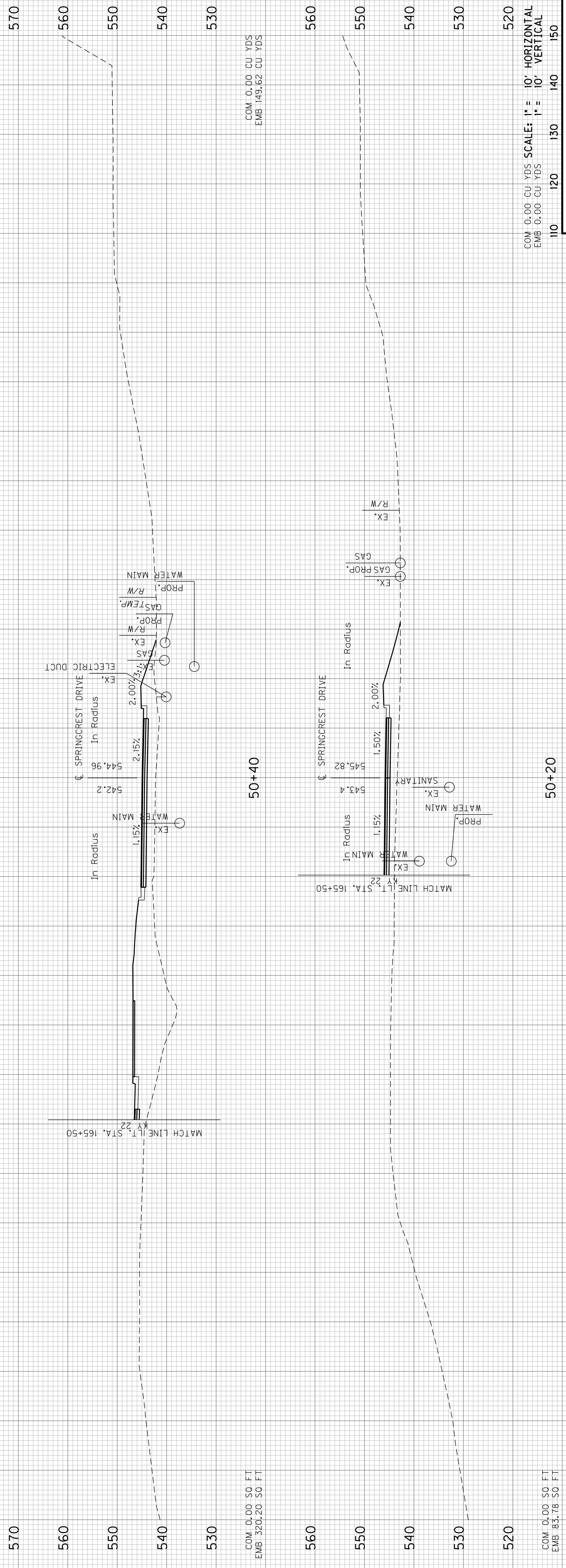
Revised 2/21/2023



STA. 172+50 TO STA. 173+00

KY 22

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-371.10	XIB



COM 0.00 50 FT
EMB 320.20 50 FT

50+40

COM 0.00 CU YDS
EMB 149.62 CU YDS

COM 0.00 50 FT
EMB 83.78 50 FT

50+20

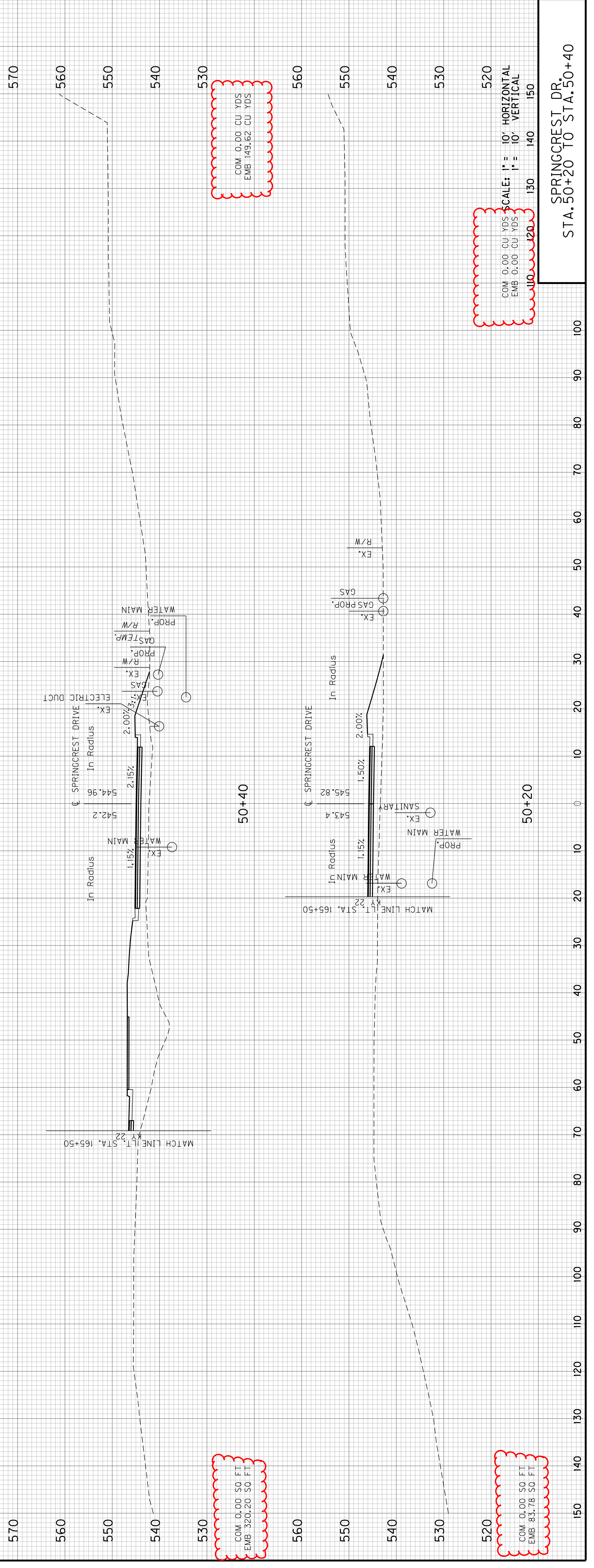
COM 0.00 CU YDS
EMB 0.00 CU YDS

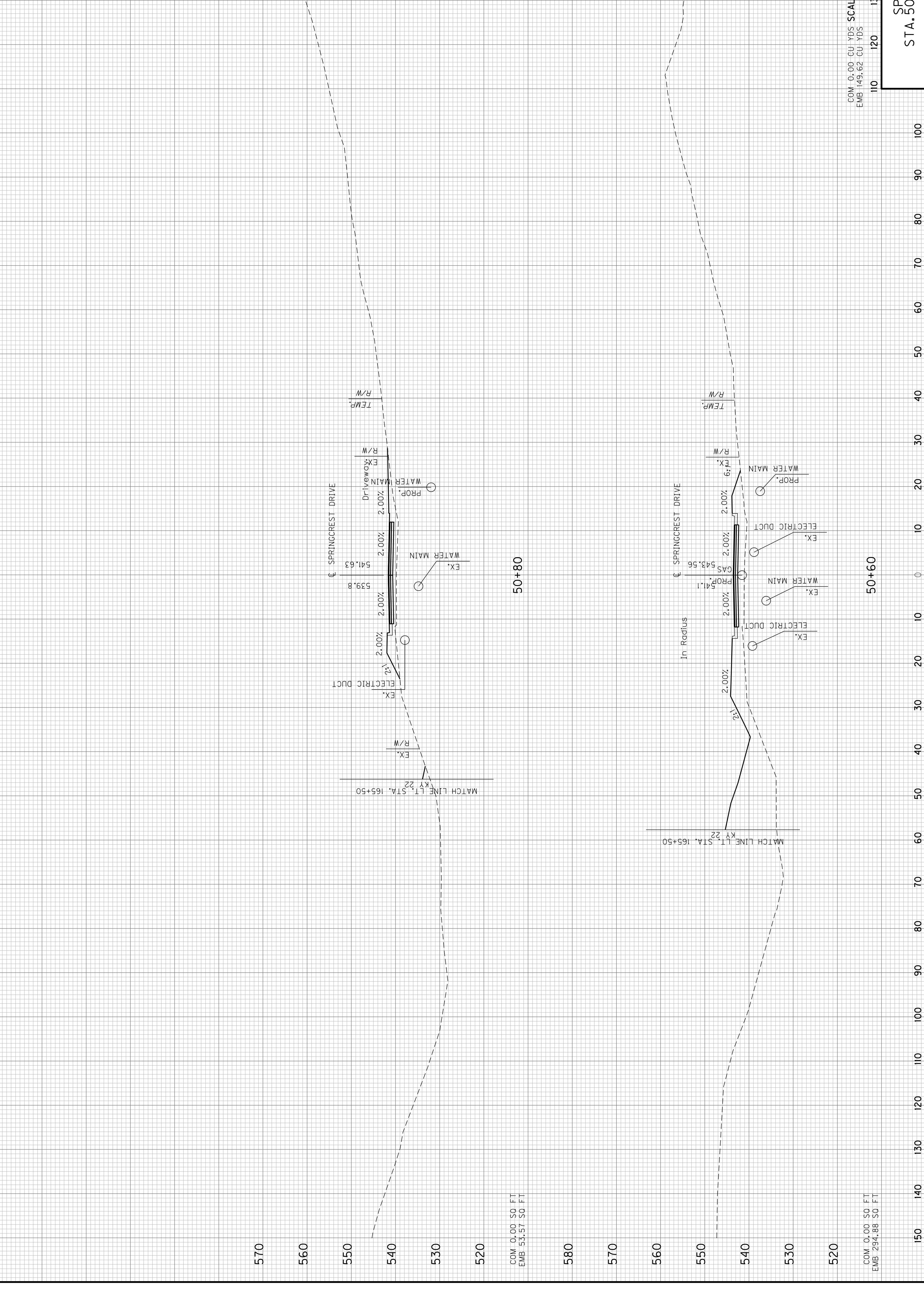
SCALE: 1" = 10' HORIZONTAL
1" = 10' VERTICAL

110 120 130 140 150

SPRINGCREST DR
STA. 50+20 TO STA. 50+40

Revised 2/21/2023





COM 0.00 50 FT
EMB 53.57 50 FT

50+80

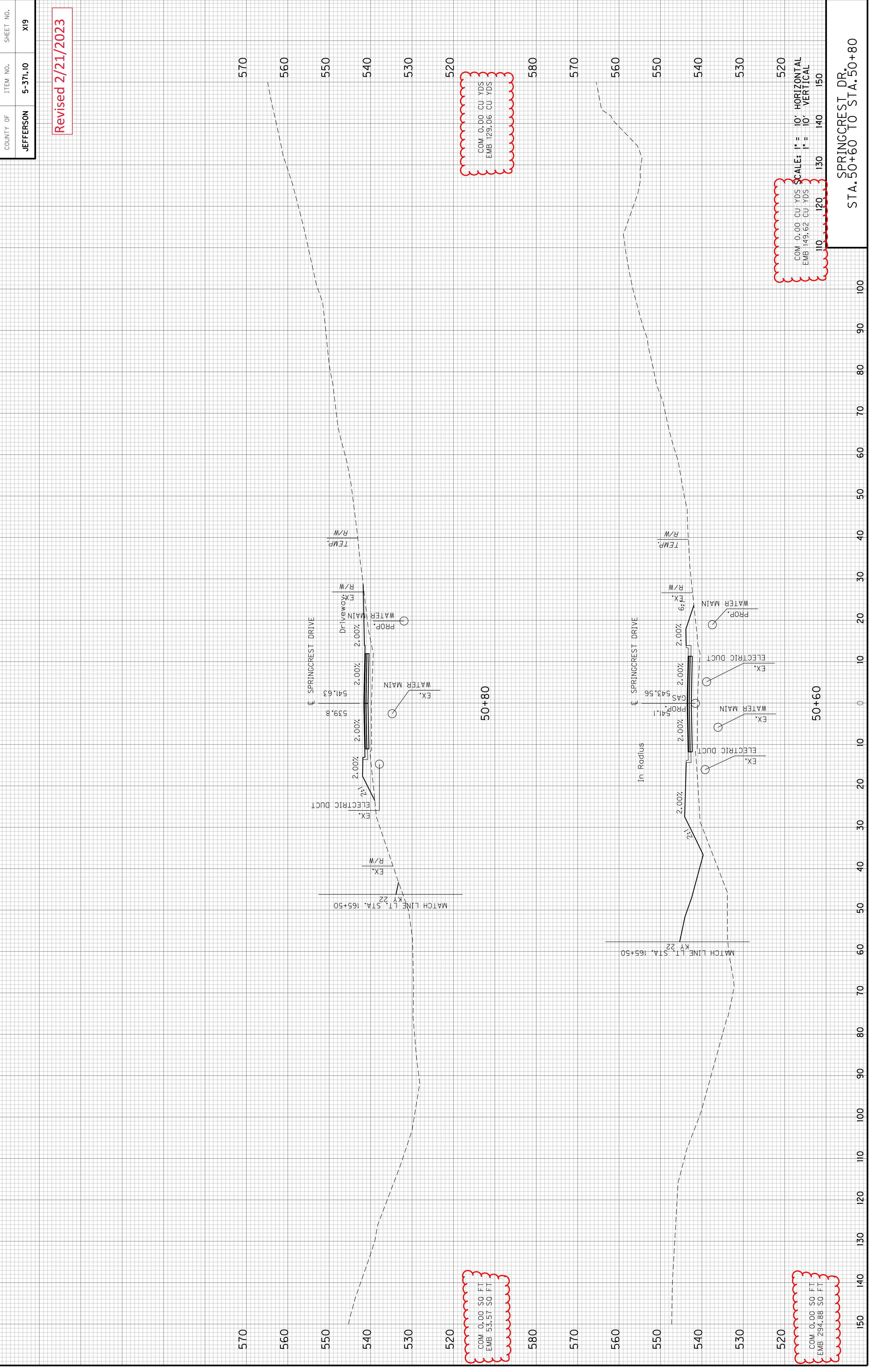
COM 0.00 CU YDS
EMB 129.06 CU YDS

COM 0.00 50 FT
EMB 294.88 50 FT

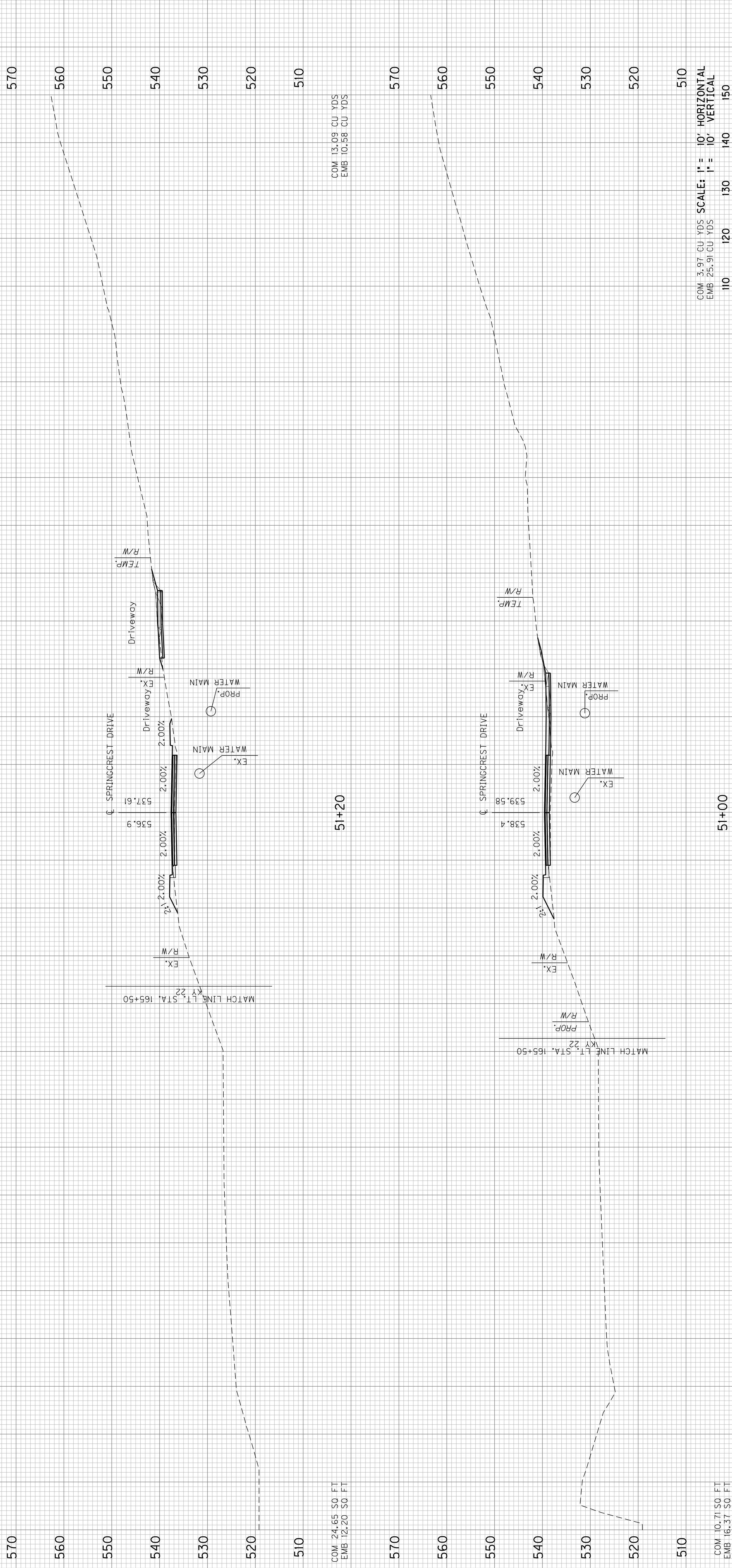
50+60

COM 0.00 CU YDS SCALE: 1" = 10' HORIZONTAL
EMB 149.62 CU YDS 1" = 10' VERTICAL

Revised 2/21/2023



COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-371.10	X20

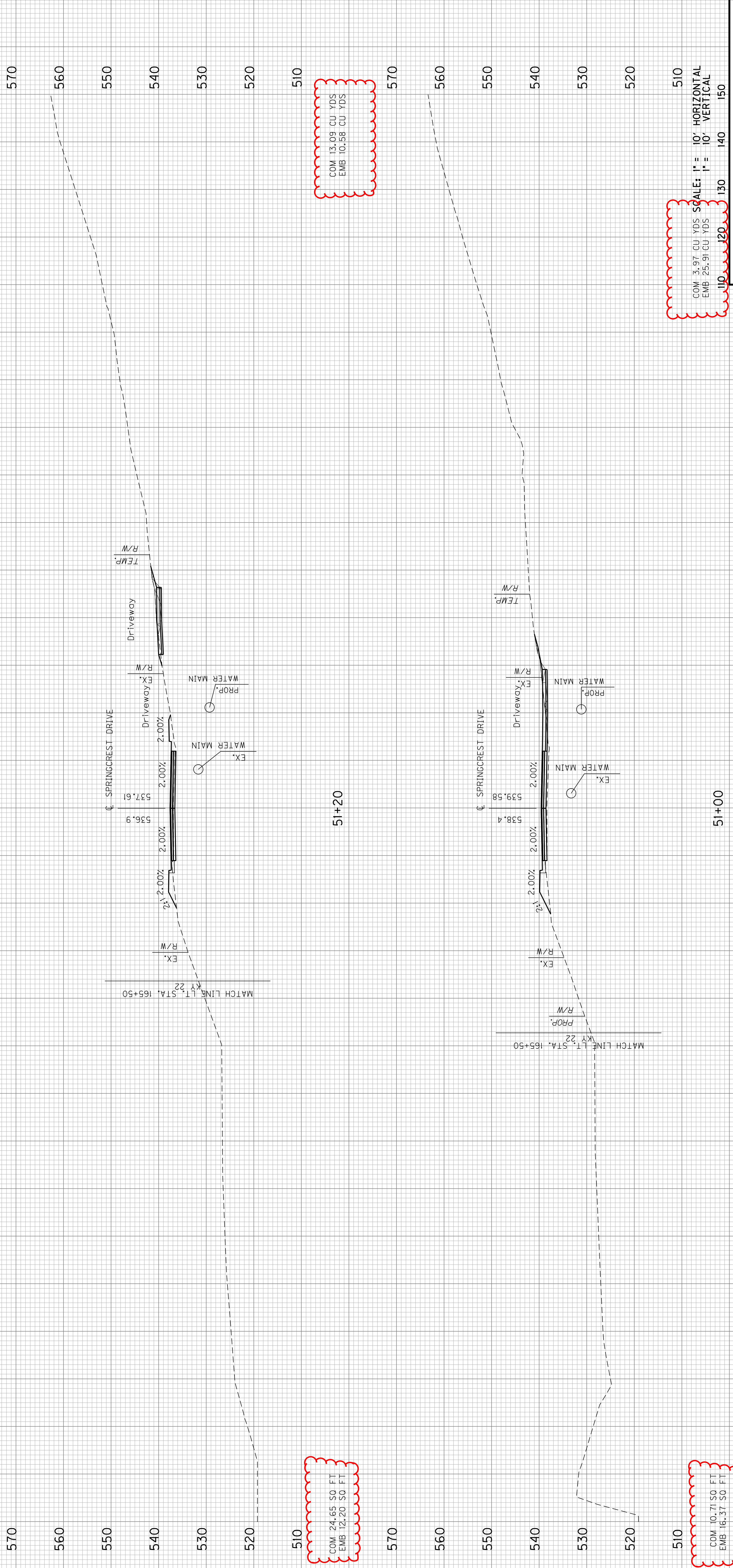


USER: kmcarney
 DATE: 2/19/2023
 FILE NAME: ...\\cde\R00X02.dgn
 E-SHEET NAME:

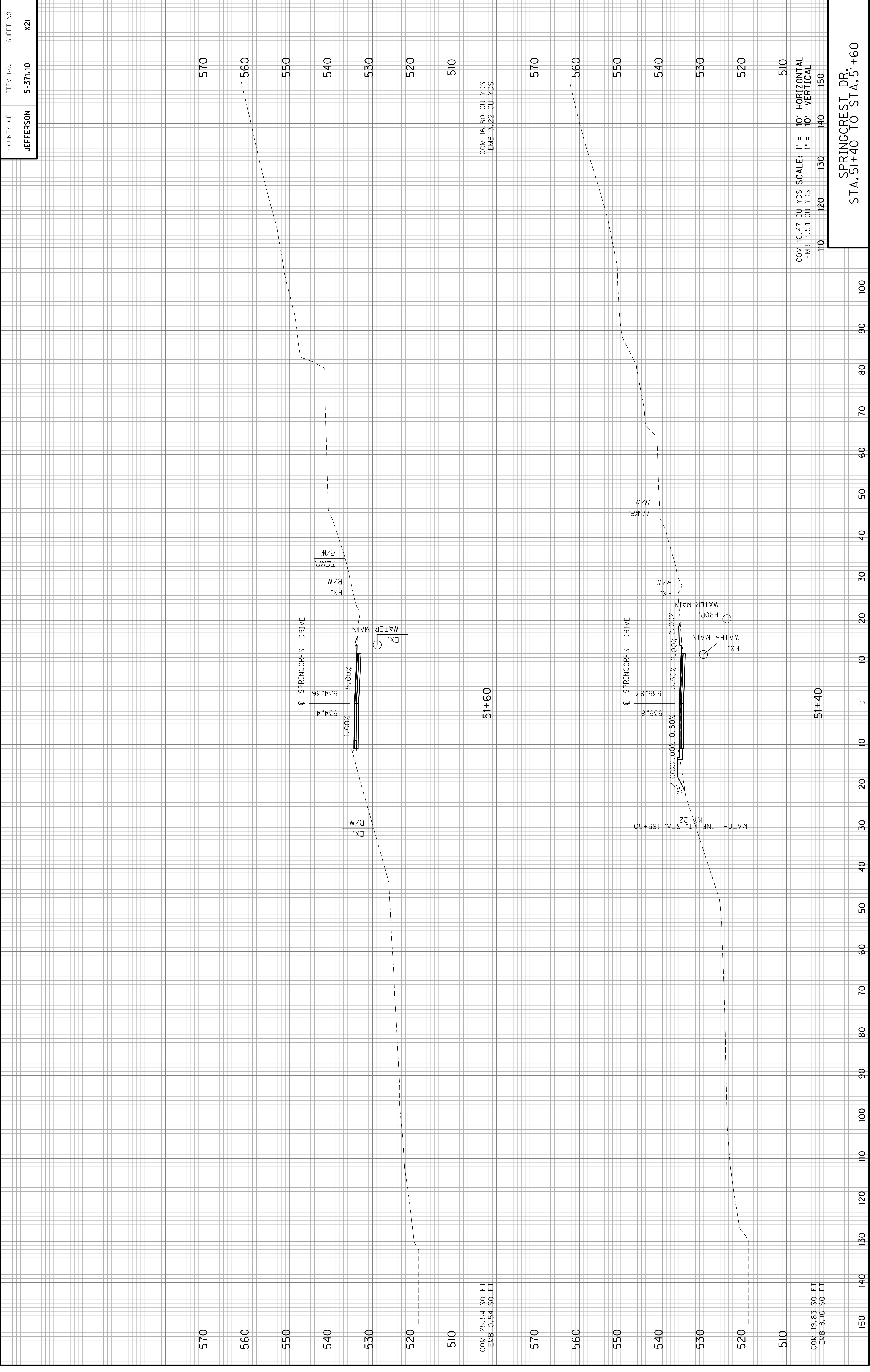
SCALE: 1" = 10' HORIZONTAL
 1" = 10' VERTICAL

SPRINGCREST DR
 STA. 51+00 TO STA. 51+20

Revised 2/21/2023



COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-371.10	X21

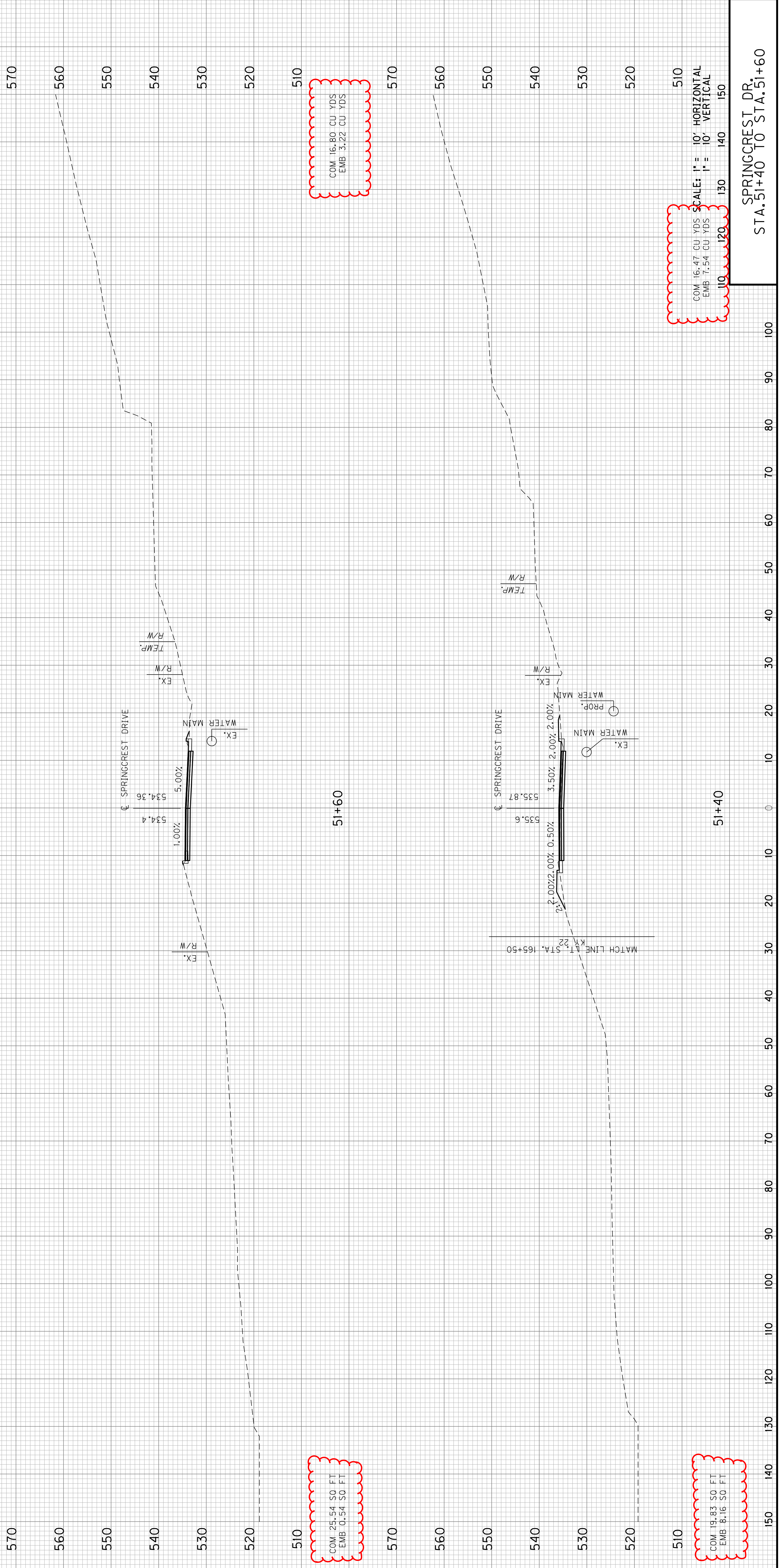


USER: kmcarney
DATE: 2/19/2023
FILE NAME: ...\\cde\R00X002.dgn
E-SHEET NAME:

SCALE: 1" = 10' HORIZONTAL
1" = 10' VERTICAL

SPRINGCREST DR.
STA. 51+40 TO STA. 51+60

Revised 2/21/2023



COM 16.47 CU YDS
EMB 7.54 CU YDS
SCALE: 1" = 10' HORIZONTAL
1" = 10' VERTICAL

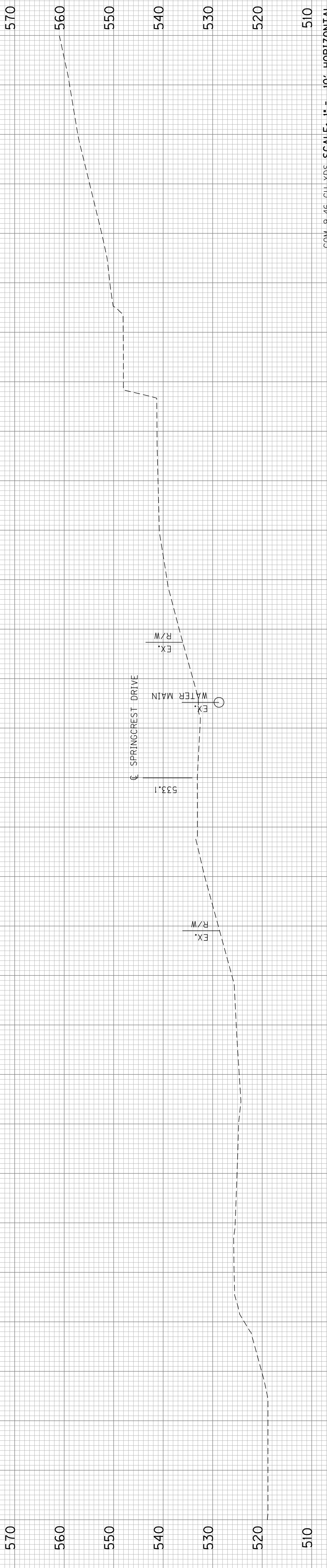
COM 16.80 CU YDS
EMB 3.22 CU YDS

COM 25.54 SQ FT
EMB 0.54 SQ FT

COM 19.83 SQ FT
EMB 8.16 SQ FT

SPRINGCREST DR.
STA. 51+40 TO STA. 51+60

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-371.10	X22



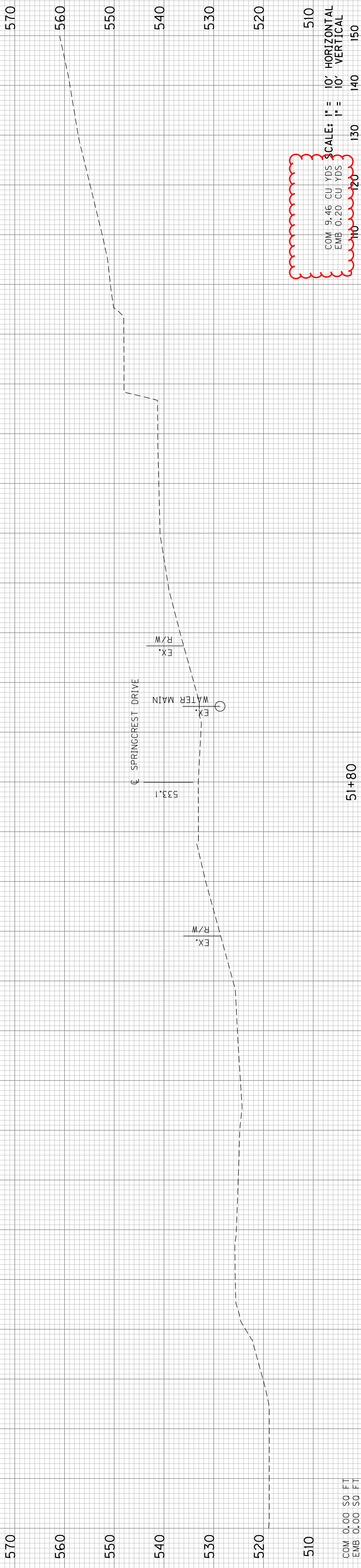
COM 9.46 CU YDS SCALE: 1" = 10' HORIZONTAL
EMB 0.20 CU YDS 1" = 10' VERTICAL

51+80

SPRINGCREST DR.
STA. 51+80

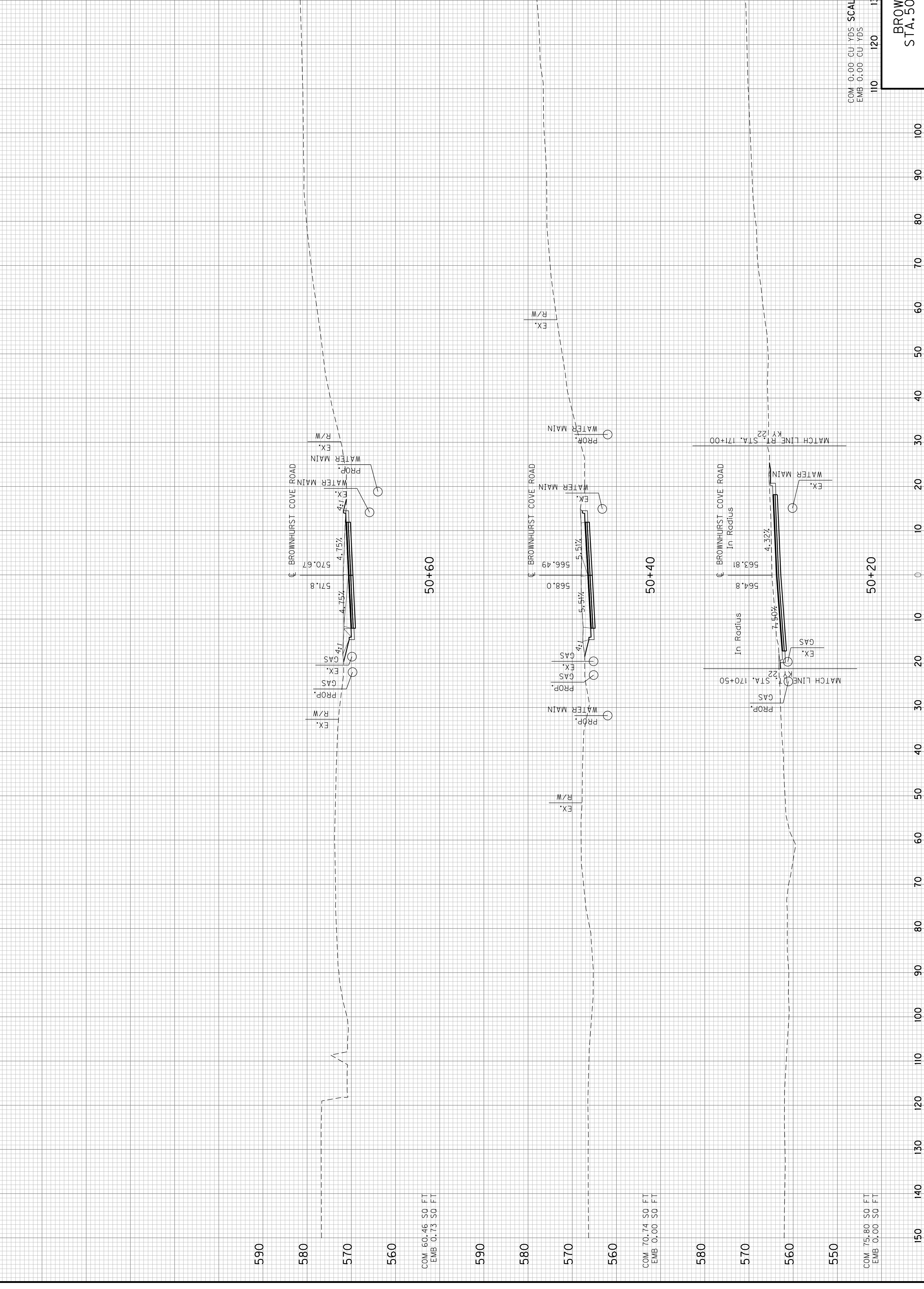
COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-371.10	X22

Revised 2/21/2023



SPRINGCREST DR.
STA. 51+80

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-371.10	X23

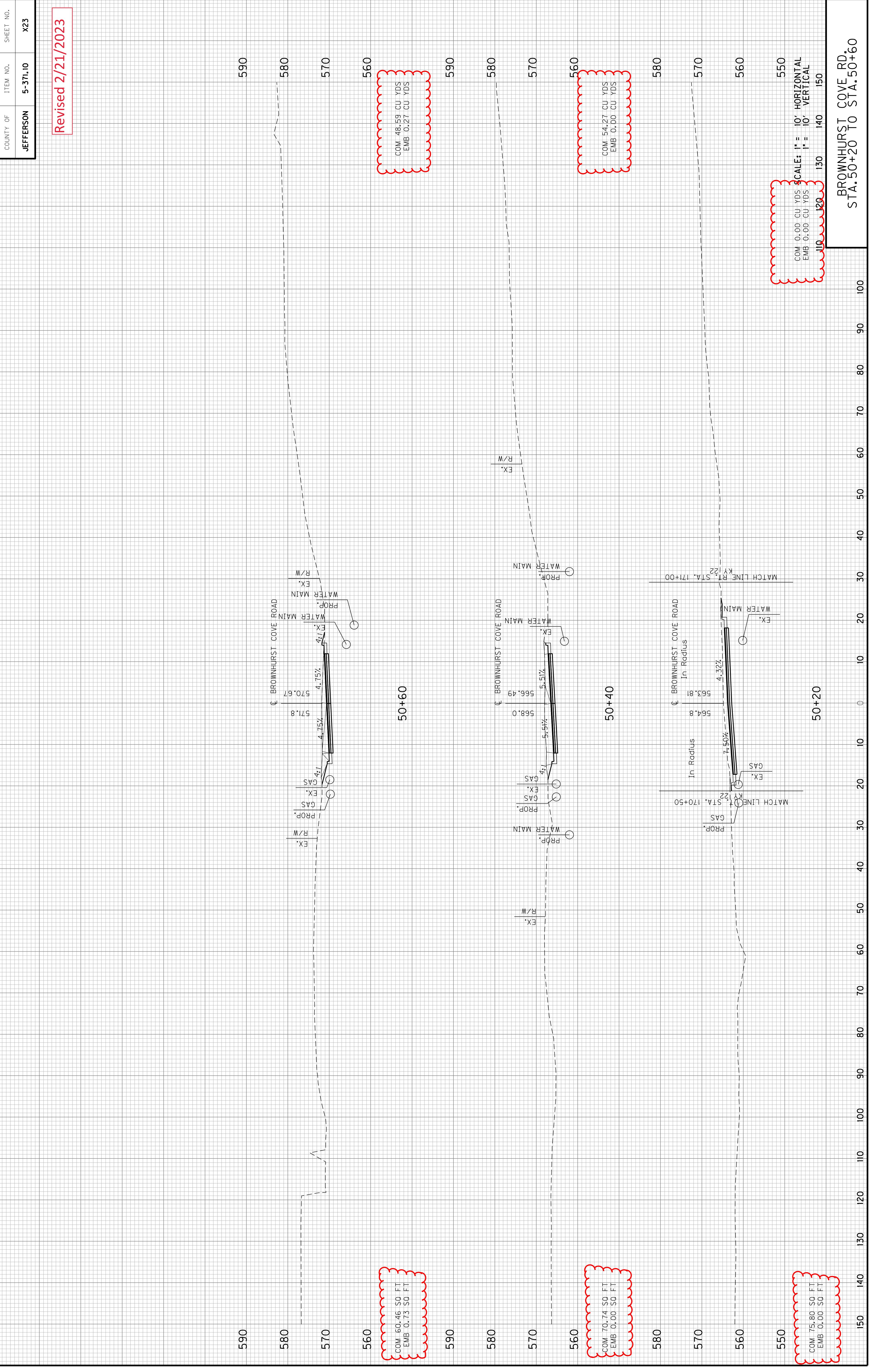


COM 0.00 CU YDS
 EMB 0.00 CU YDS

SCALE: 1" = 10' HORIZONTAL
 1" = 10' VERTICAL

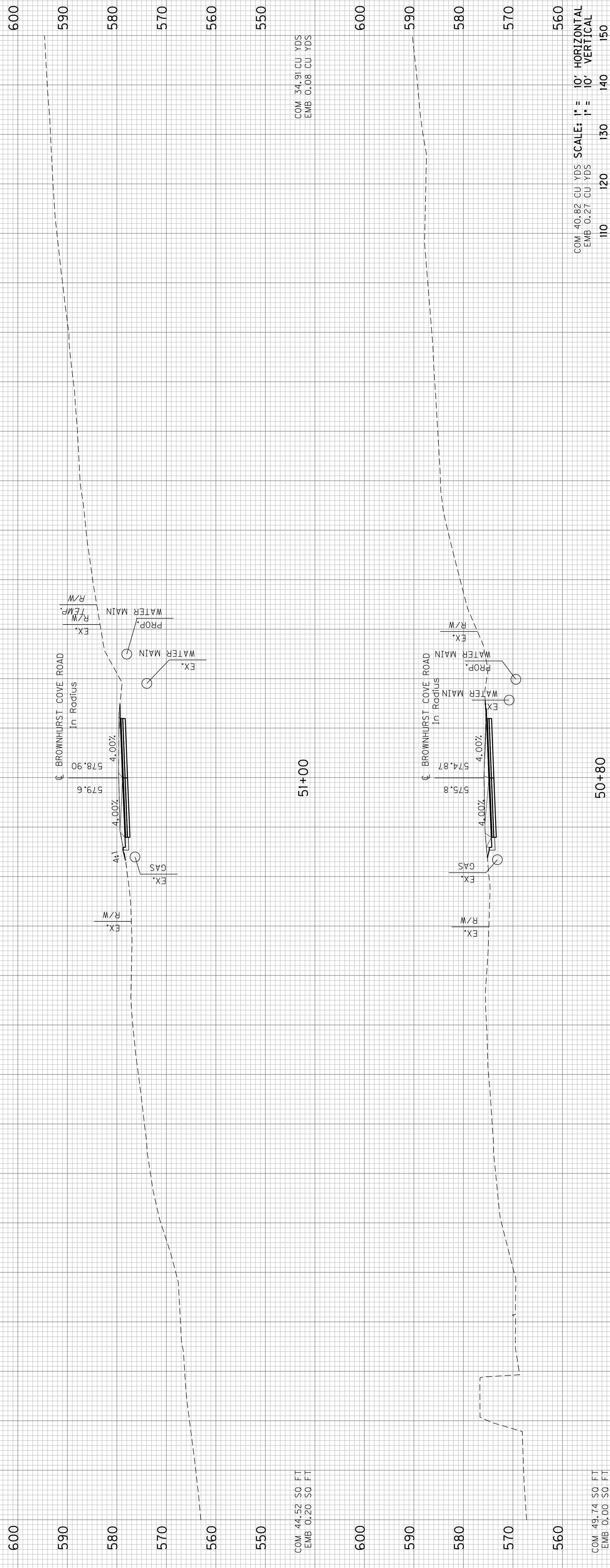
BROWNHURST COVE RD.
 STA. 50+20 TO STA. 50+60

Revised 2/21/2023



BROWNHURST COVE RD.
 STA. 50+20 TO STA. 50+60

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-371.10	X24



COM 44.52 SQ FT
EMB 0.20 CU YDS

51+00

COM 34.91 CU YDS
EMB 0.08 CU YDS

COM 49.74 SQ FT
EMB 0.00 CU YDS

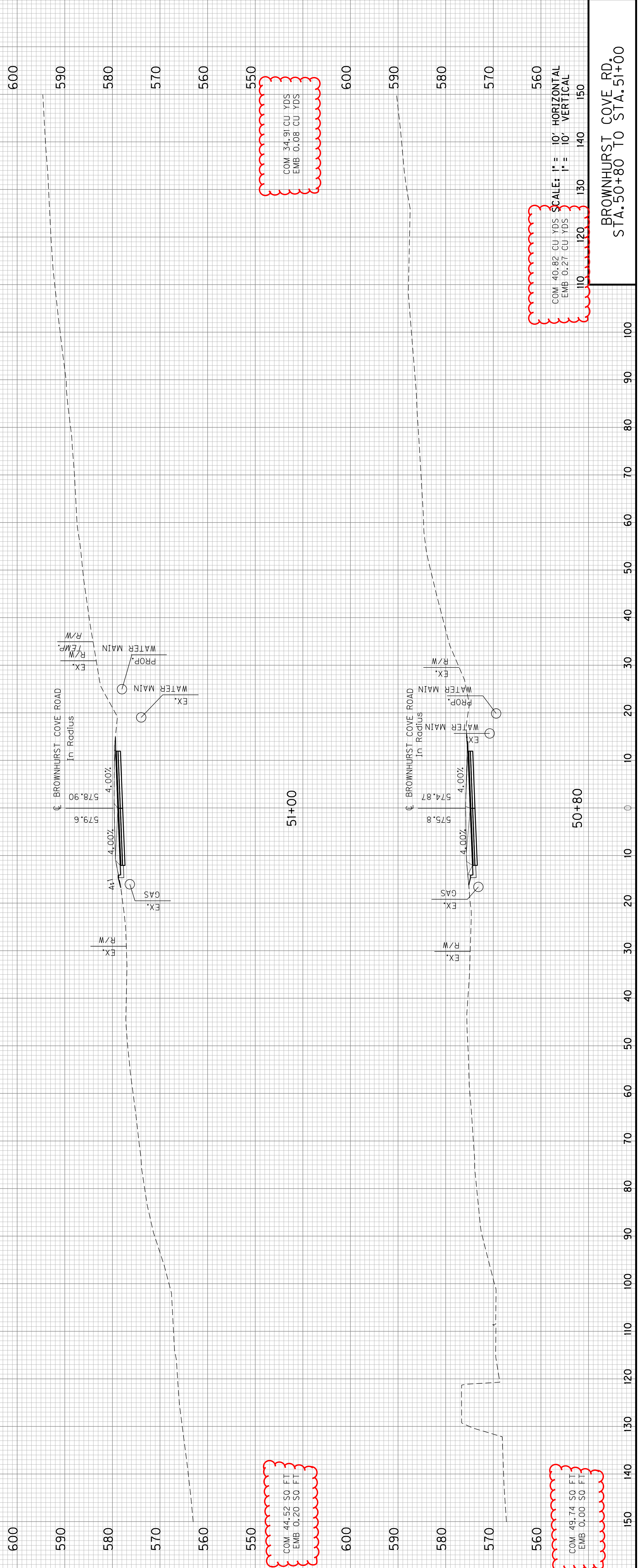
50+80

COM 40.82 CU YDS
EMB 0.27 CU YDS

SCALE: 1" = 10' HORIZONTAL
1" = 10' VERTICAL

BROWNHURST COVE RD.
STA. 50+80 TO STA. 51+00

Revised 2/21/2023



COM 40.82 CU YDS
EMB 0.27 CU YDS
110 120 130 140 150

SCALE: 1" = 10' HORIZONTAL
1" = 10' VERTICAL

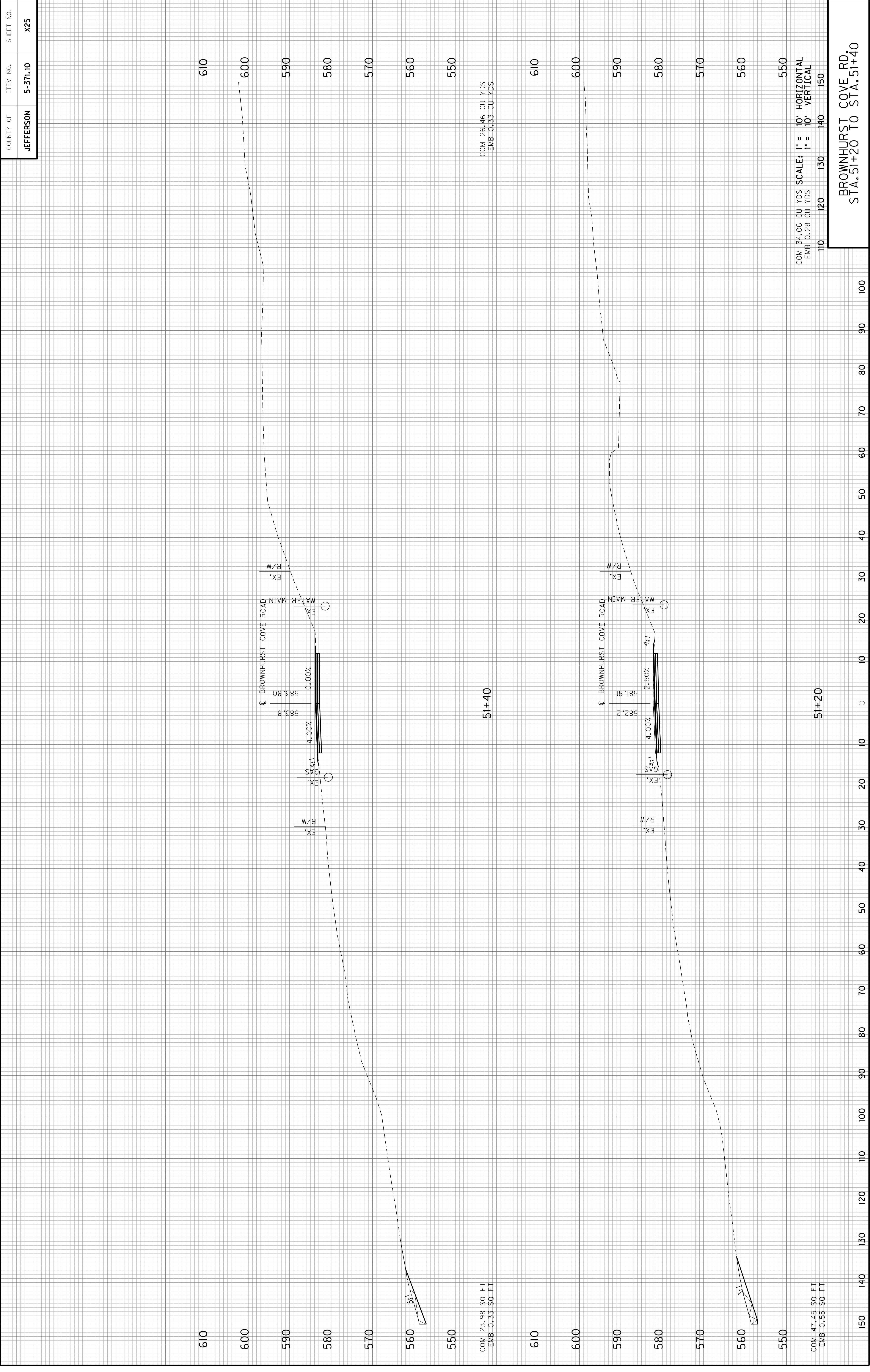
COM 34.91 CU YDS
EMB 0.08 CU YDS

COM 44.52 SQ FT
EMB 0.20 CU YDS

COM 49.74 SQ FT
EMB 0.00 SQ FT

BROWNHURST COVE RD.
STA. 50+80 TO STA. 51+00

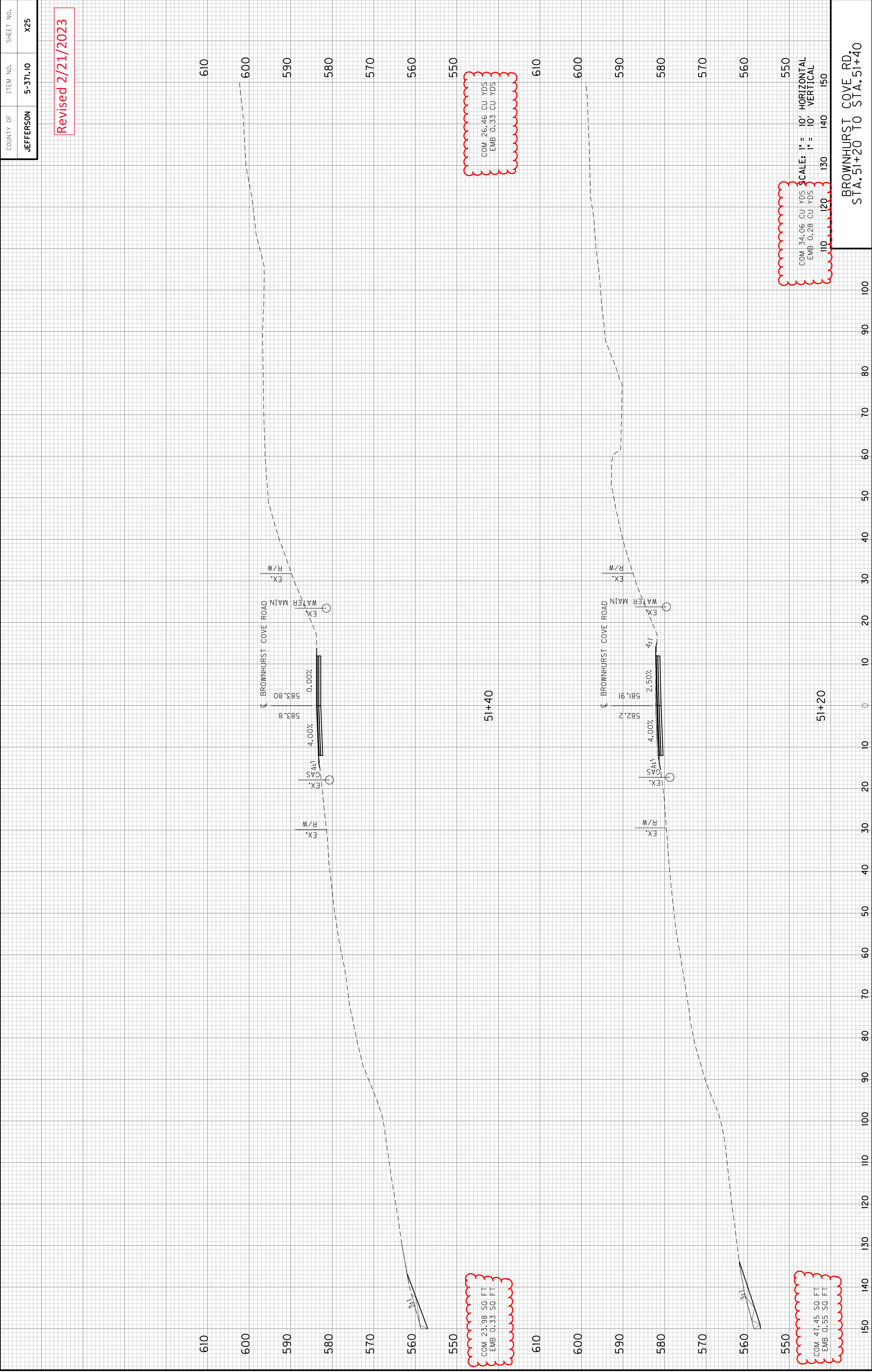
COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-371.10	X25



USER: kmoroney
 DATE: 2/19/2023
 FILE NAME: ...\\cde\R00X002.dgn
 E-SHEET NAME:

BROWNHURST COVE RD,
 STA. 51+20 TO STA. 51+40

Revised 2/21/2023



COM 34.06 CU YDS
EMB 0.28 CU YDS
SCALE: 1" = 10' HORIZONTAL
1" = 10' VERTICAL

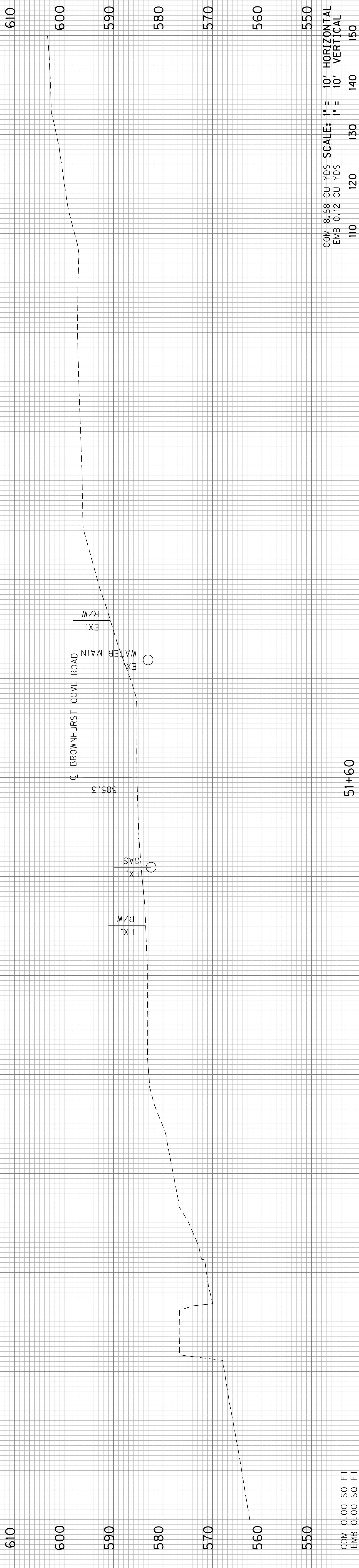
COM 26.46 CU YDS
EMB 0.33 CU YDS

COM 47.45 SQ FT
EMB 0.55 SQ FT

COM 23.98 SQ FT
EMB 0.33 SQ FT

BROWNHURST COVE RD,
STA. 51+20 TO STA. 51+40

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-371.10	X26



USER: kmcarney
 DATE: 2/19/2023
 FILE NAME: ...\\cde\R00X002.dgn
 E-SHEET NAME:

COM 8.88 CU YDS SCALE: 1" = 10' HORIZONTAL
 EMB 0.12 CU YDS 1" = 10' VERTICAL
 110 120 130 140 150

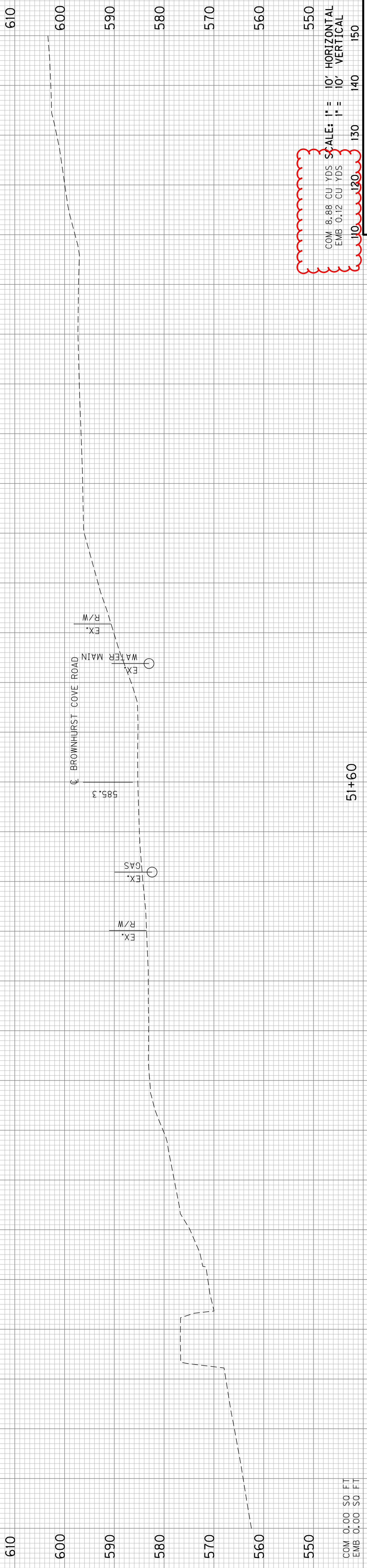
51+60

BROWNHURST COVE RD.
 STA. 51+60

COM 0.00 SQ FT
 EMB 0.00 SQ FT

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-371.10	X26

Revised 2/21/2023



COM 8.88 CU YDS
 EMB 0.12 CU YDS
 SCALE: 1" = 10' HORIZONTAL
 1" = 10' VERTICAL

51+60

BROWNHURST COVE RD.
 STA. 51+60

COM 0.00 SQ FT
 EMB 0.00 SQ FT