



**Matthew G. Bevin**  
Governor

**COMMONWEALTH OF KENTUCKY  
TRANSPORTATION CABINET**  
Frankfort, Kentucky 40622  
[www.transportation.ky.gov/](http://www.transportation.ky.gov/)

**Greg Thomas**  
Secretary

May 21, 2019

CALL NO. 103  
CONTRACT ID NO. 191027  
ADDENDUM # 1

Subject: CARTER COUNTY, STP 0071(028)  
Letting May 24, 2019

- (1) Revised - Proposal Bid Items - Pages 108-111 of 111
- (2) Revised - Plan Sheets - T1, X13, X14, X15, X35, X36, X44, X45, X46, X47, X48, X49, X50, X51, and X52

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

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

Sincerely,

A handwritten signature in cursive script that reads "Rachel Mills".

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

RM:mr  
Enclosures



An Equal Opportunity Employer M/F/D

**PROPOSAL BID ITEMS**

191027

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**Section: 0001 - PAVING**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00001		DGA BASE	5,962.00	TON		\$	
0020	00078		CRUSHED AGGREGATE SIZE NO 2	10,386.00	TON		\$	
0030	00190		LEVELING & WEDGING PG64-22	4,871.00	TON		\$	
0040	00214		CL3 ASPH BASE 1.00D PG64-22	9,656.00	TON		\$	
0050	00223		CL3 ASPH BASE 0.75D PG64-22	262.00	TON		\$	
0060	00336		CL3 ASPH SURF 0.38A PG76-22	3,832.00	TON		\$	
0070	00356		ASPHALT MATERIAL FOR TACK	18.00	TON		\$	
0080	02084		JPC PAVEMENT-8 IN	3,323.00	SQYD		\$	
0090	02101		CEM CONC ENT PAVEMENT-8 IN	2,774.00	SQYD		\$	
0100	02599		FABRIC-GEOTEXTILE TYPE IV	15,160.00	SQYD		\$	
0110	02676		MOBILIZATION FOR MILL & TEXT	1.00	LS		\$	
0120	02677		ASPHALT PAVE MILLING & TEXTURING	34.00	TON		\$	
0130	22861EN		HIGH STRENGTH GEOTEXTILE FABRIC TY V	20,667.00	SQYD		\$	
0140	23399EC		REPAIR PARKING LOT PAVEMENT	269.00	SQYD		\$	

**Section: 0002 - ROADWAY**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0150	01810		STANDARD CURB AND GUTTER	8,031.00	LF		\$	
0160	01825		ISLAND CURB AND GUTTER	792.00	LF		\$	
0170	01875		STANDARD HEADER CURB	2,758.00	LF		\$	
0180	01982		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	18.00	EACH		\$	
0190	02014		BARRICADE-TYPE III	14.00	EACH		\$	
0200	02091		REMOVE PAVEMENT	346.00	SQYD		\$	
0210	02159		TEMP DITCH	3,097.00	LF		\$	
0220	02160		CLEAN TEMP DITCH	1,549.00	LF		\$	
0230	02200		ROADWAY EXCAVATION	13,917.00	CUYD		\$	
0240	02237		DITCHING	6,195.00	LF		\$	
0250	02242		WATER	100.00	MGAL		\$	
0260	02351		GUARDRAIL-STEEL W BEAM-S FACE	893.00	LF		\$	
0270	02360		GUARDRAIL TERMINAL SECTION NO 1	5.00	EACH		\$	
0280	02363		GUARDRAIL CONNECTOR TO BRIDGE END TY A	2.00	EACH		\$	
0290	02367		GUARDRAIL END TREATMENT TYPE 1	1.00	EACH		\$	
0300	02369		GUARDRAIL END TREATMENT TYPE 2A	2.00	EACH		\$	
0310	02381		REMOVE GUARDRAIL	503.00	LF		\$	
0320	02429		RIGHT-OF-WAY MONUMENT TYPE 1	37.00	EACH		\$	
0330	02430		RIGHT-OF-WAY MONUMENT TYPE 1A	42.00	EACH		\$	
0340	02555		CONCRETE-CLASS B	149.00	CUYD		\$	
0350	02562		TEMPORARY SIGNS	500.00	SQFT		\$	
0360	02585		EDGE KEY	1,996.00	LF		\$	
0370	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0380	02671		PORTABLE CHANGEABLE MESSAGE SIGN	4.00	EACH		\$	
0390	02701		TEMP SILT FENCE	3,097.00	LF		\$	
0400	02703		SILT TRAP TYPE A	4.00	EACH		\$	

**PROPOSAL BID ITEMS**

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0410	02704		SILT TRAP TYPE B	4.00	EACH		\$	
0420	02705		SILT TRAP TYPE C	4.00	EACH		\$	
0430	02706		CLEAN SILT TRAP TYPE A	4.00	EACH		\$	
0440	02707		CLEAN SILT TRAP TYPE B	4.00	EACH		\$	
0450	02708		CLEAN SILT TRAP TYPE C	4.00	EACH		\$	
0460	02720		SIDEWALK-4 IN CONCRETE	4,341.00	SQYD		\$	
0470	02726		STAKING	1.00	LS		\$	
0480	02775		ARROW PANEL	4.00	EACH		\$	
0490	05952		TEMP MULCH	12,948.00	SQYD		\$	
0500	05953		TEMP SEEDING AND PROTECTION	9,711.00	SQYD		\$	
0510	05963		INITIAL FERTILIZER	1.00	TON		\$	
0520	05964		MAINTENANCE FERTILIZER	1.00	TON		\$	
0530	05985		SEEDING AND PROTECTION	13,996.00	SQYD		\$	
0540	05990		SODDING	2,614.00	SQYD		\$	
0550	05992		AGRICULTURAL LIMESTONE	12.00	TON		\$	
0560	06510		PAVE STRIPING-TEMP PAINT-4 IN	65,865.00	LF		\$	
0570	06514		PAVE STRIPING-PERM PAINT-4 IN	32,966.00	LF		\$	
0580	06515		PAVE STRIPING-PERM PAINT-6 IN	1,323.00	LF		\$	
0590	06549		PAVE STRIPING-TEMP REM TAPE-B	1,000.00	LF		\$	
0600	06550		PAVE STRIPING-TEMP REM TAPE-W	1,000.00	LF		\$	
0610	06551		PAVE STRIPING-TEMP REM TAPE-Y	1,000.00	LF		\$	
0620	06568		PAVE MARKING-THERMO STOP BAR-24IN	351.00	LF		\$	
0630	06573		PAVE MARKING-THERMO STR ARROW	4.00	EACH		\$	
0640	06574		PAVE MARKING-THERMO CURV ARROW	40.00	EACH		\$	
0650	06575		PAVE MARKING-THERMO COMB ARROW	3.00	EACH		\$	
0660	06576		PAVE MARKING-THERMO ONLY	3.00	EACH		\$	
0670	08001		STRUCTURE EXCAVATION-COMMON	113.00	CUYD		\$	
0680	10020NS		FUEL ADJUSTMENT	30,517.00	DOLL	\$1.00	\$	\$30,517.00
0690	10030NS		ASPHALT ADJUSTMENT	62,980.00	DOLL	\$1.00	\$	\$62,980.00
0700	20071EC		JOINT ADHESIVE	36,809.00	LF		\$	
0710	23158ES505		DETECTABLE WARNINGS	210.00	SQFT		\$	
0720	24489EC		INLAID PAVEMENT MARKER	482.00	EACH		\$	
0730	24781EC		INTELLIGENT COMPACTION FOR ASPHALT	12,862.00	TON		\$	
0740	24814EC		PIPELINE INSPECTION	2,963.00	LF		\$	
0750	24891EC		PAVE MOUNT INFRARED TEMP EQUIPMENT	828,450.00	SF		\$	
0760	24969ED		LONGITUDINAL SAW CUT	12,655.00	LF		\$	

**Section: 0003 - DRAINAGE**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0770	00464		CULVERT PIPE-24 IN	47.00	LF		\$	
0780	00521		STORM SEWER PIPE-15 IN	1,202.00	LF		\$	
0790	00522		STORM SEWER PIPE-18 IN	2,381.00	LF		\$	
0800	00524		STORM SEWER PIPE-24 IN	439.00	LF		\$	
0810	00526		STORM SEWER PIPE-30 IN	1,856.00	LF		\$	
0820	01000		PERFORATED PIPE-4 IN	11,126.00	LF		\$	
0830	01202		PIPE CULVERT HEADWALL-15 IN	1.00	EACH		\$	
0840	01204		PIPE CULVERT HEADWALL-18 IN	1.00	EACH		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0850	01208		PIPE CULVERT HEADWALL-24 IN	3.00	EACH		\$	
0860	01210		PIPE CULVERT HEADWALL-30 IN	1.00	EACH		\$	
0870	01310		REMOVE PIPE	3,757.00	LF		\$	
0880	01456		CURB BOX INLET TYPE A	43.00	EACH		\$	
0890	01458		CURB BOX INLET TYPE A T	1.00	EACH		\$	
0900	01480		CURB BOX INLET TYPE B	2.00	EACH		\$	
0910	01544		DROP BOX INLET TYPE 11	6.00	EACH		\$	
0920	01740		CORED HOLE DRAINAGE BOX CON-4 IN	46.00	EACH		\$	
0930	01756		MANHOLE TYPE A	6.00	EACH		\$	
0940	01792		ADJUST MANHOLE	3.00	EACH		\$	
0950	02483		CHANNEL LINING CLASS II	97.00	TON		\$	
0960	02600		FABRIC GEOTEXTILE TY IV FOR PIPE	20,035.00	SQYD	\$2.00	\$	\$40,070.00
0970	02690		SAFEOLOADING	4.50	CUYD		\$	
0980	03387		PVC PIPE-8 IN	11.00	LF		\$	
0990	03391		PVC PIPE-12 IN	14.00	LF		\$	

**Section: 0004 - BRIDGE-CULVERT**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1000	08003		FOUNDATION PREPARATION	1.00	LS		\$	
1010	08100		CONCRETE-CLASS A	23.60	CUYD		\$	
1020	08150		STEEL REINFORCEMENT	2,286.00	LB		\$	

**Section: 0005 - SIGNALIZATION**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1030	04792		CONDUIT-1 IN	36.00	LF		\$	
1040	04795		CONDUIT-2 IN	600.00	LF		\$	
1050	04811		ELECTRICAL JUNCTION BOX TYPE B	12.00	EACH		\$	
1060	04820		TRENCHING AND BACKFILLING	630.00	LF		\$	
1070	04830		LOOP WIRE	7,295.00	LF		\$	
1080	04844		CABLE-NO. 14/5C	6,510.00	LF		\$	
1090	04850		CABLE-NO. 14/1 PAIR	4,585.00	LF		\$	
1110	04885		MESSENGER-10800 LB	1,050.00	LF		\$	
1120	04895		LOOP SAW SLOT AND FILL	2,500.00	LF		\$	
1130	04931		INSTALL CONTROLLER TYPE 170	3.00	EACH		\$	
1140	04932		INSTALL STEEL STRAIN POLE	12.00	EACH		\$	
1150	20093NS835		INSTALL PEDESTRIAN HEAD-LED	24.00	EACH		\$	
1160	20188NS835		INSTALL LED SIGNAL-3 SECTION	24.00	EACH		\$	
1170	20266ES835		INSTALL LED SIGNAL- 4 SECTION	2.00	EACH		\$	
1180	20390NS835		INSTALL COORDINATING UNIT	3.00	EACH		\$	
1190	21743NN		INSTALL PEDESTRIAN DETECTOR	24.00	EACH		\$	
1200	23157EN		TRAFFIC SIGNAL POLE BASE	49.19	CUYD		\$	
1210	23222EC		INSTALL SIGNAL PEDESTAL	5.00	EACH		\$	
1220	23982EC		INSTALL ANTENNA	3.00	EACH		\$	
1230	24901EC		PVC CONDUIT-2 IN-SCHEDULE 80	600.00	LF		\$	
1240	24955ED		REMOVE SIGNAL EQUIPMENT	3.00	EACH		\$	

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#### Section: 0006 - MOBILIZATION AND/OR DEMOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1250	02568		MOBILIZATION	1.00	LS		\$	
1260	02569		DEMOBILIZATION	1.00	LS		\$	

THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITION, AND OTHER SPECIAL NOTES AND SPECIFICATIONS WILL APPLY ON THIS PROJECT. SEE SECTION 706, 723, AND 112 FOR MEASUREMENT AND OTHER DETAILS. SEE SECTION 602 FOR SPIRAL REINFORCEMENT SPLICING.

THE CONTRACTOR SHALL MAKE AN INSPECTION OF THE PROJECT SITE PRIOR TO SUBMITTING A BID AND SHALL BE THOROUGHLY FAMILIARIZED WITH EXISTING CONDITIONS. SUBMISSIONS OF A BID WILL BE CONSIDERED AN AFFIRMATION OF THIS INSPECTION HAVING BEEN COMPLETED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PICKING UP INSTALL ITEMS FROM THE FRANKFORT POLE YARD AND DELIVERING THESE ITEMS TO THE SITE. THE CONTRACTOR SHALL CONTACT FRANKFORT POLE YARD PERSONNEL (502-782-8994/502-330-8153 OR EMAIL KIM.STAMPER@KY.GOV) AND ARRANGE TO PICK UP INSTALL ITEMS A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO ARRIVAL. THE CONTRACTOR SHALL ALSO CONTACT THE SIGNAL SYSTEM BRANCH (502-782-5543/502-782-5547 OR EMAIL JOE.THOMPSON@KY.GOV/ LARRY.IRISH@KY.GOV) TO ARRANGE PROGRAMMING OF THE ROUTER USED FOR COMMUNICATION IN THE TRAFFIC SIGNAL A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO ARRIVAL. FAILURE TO PROVIDE POLE YARD PERSONNEL/ SIGNAL SYSTEM BRANCH THIS ADVANCE NOTICE COULD RESULT IN LONG DELAYS OR REFUSAL TO DISTRIBUTE EQUIPMENT UPON ARRIVAL.

ADD SENTENCE TO SECTION 835.15: ALL WIRE SHALL HAVE WORDING ADDED TO THE OUTER JACKET THAT STATES : \*PROPERTY OF KENTUCKY TRANSPORTATION CABINET 502 564 0501\*.

**TRAFFIC SIGNAL ESTIMATE OF QUANTITIES**

UNITS	CODE	ITEM DESCRIPTION	TOTAL	KY1/7@COLLEGE	KY1/7@3RD	KY1/7@3RD	KY1/7@COLLEGE
36	4792	CONDUIT 1 INCH	36	12	12	12	12
600	4795	CONDUIT 2 INCH	600	175	225	225	175
12	4811	ELECTRICAL JUNCTION BOX TYPE B	12	4	4	4	4
630	4820	TRENCHING AND BACKFILLING	630	190	240	240	190
7,295	4830	LOOP WIRE	7,295	1,450	1145	1145	1,450
6,510	4844	CABLE-NO. 14/5C	6,510	1,925	2100	2100	1,925
4,585	4850	CABLE-NO. 14/1 PAIR	4,585	915	695	695	915
1,050	4885	MESSENGER-10800 LB	1,050	300	320	320	300
2,500	4895	LOOP SAW SLOT AND FILL	2,500	580	470	470	580
3	4931	INSTALL SIG CONTROLLER-TYPE 170	3	1	1	1	1
12	4932	INSTALL STEEL STRAIN POLE	12	4	4	4	4
3	24955ed	REMOVE SIGNAL EQUIPMENT	3	1	1	1	1
24	20093NS835	INSTALL PEDESTRIAN HEAD LED	24	8	8	8	8
24	20188NS835	INSTALL SIGNAL-3 SECTION LED	24	8	8	8	8
2	20266ES835	INSTALL SIGNAL-4 SECTION LED	2	0	0	0	0
3	20390NS835	INSTALL COORDINATING UNIT	3	1	1	1	1
24	21743NN	INSTALL PEDESTRIAN DETECTOR	24	8	8	8	8
49,19	23157EN	TRAFFIC SIGNAL POLE BASE	49,19	15,18	16,22	16,22	15,18
5	23222EC	INSTALL SIGNAL PEDESTAL	5	1	4	4	1
3	23982EC	INSTALL ANTENNA	3	1	1	1	1
600	24901EC	PVC CONDUIT - 2 INCH - SCHEDULE 80	600	175	225	225	175

**CONSTRUCTION AND MEASUREMENT NOTES THAT ARE CONTRARY TO SECTION 723**

SUBSECTION:03.02 POLES AND BASES INSTALLATION. A)  
REVISION:REPLACE ENTIRE TABLE WITH THE FOLLOWING:

MAXIMUM SERVICE FORCES	DIAMETER (IN.)	DRILLED SHAFT DATA						TIES OR SPIRAL	
		DEPTH (FEET)		2:1 GROUND SLOPE*		VERTICAL BARS	BAR SIZE	SPACING OR PITCH (IN.)	
		SOIL	ROCK	SOIL	ROCK				SIZE
0-9.9	36	6	6	6.5	6	13	#4	12	
10-19.9	36	8	6	9	6	13	#4	12	
20-29.9	36	9	6	10	6	13	#4	12	
30-39.9	36	9.5	6	10.5	6	13	#4	12	
40-49.9	36	10	6	11	6	13	#4	12	
50-59.9	36	10.5	6	11.5	6	13	#4	12	
60-69.9	36	11	6	12	6	13	#4	12	
70-79.9	36	11.5	6	12.5	6	13	#4	12	
80-89.9	36	12	6	13	6	13	#4	12	
90-99.9	36	12.5	6	13.5	6	13	#4	12	
100-199.9	36	13	6	14	6	13	#4	12	
200-249.9	36	13.5	6	14.5	6	13	#4	12	
250-299.9	36	14	6	15	6	13	#4	12	
300-399.9	36	14.5	6	15.5	6	13	#4	12	
400-499.9	42	18.5	6.5	21	6.5	18	#4	6	
500-600	48	21.5	7.5	25	7.5	19	#4	12	
	42	22.5	7.5	25.5	7.5	19	#4	12	

**SUBSECTION: 04.22 REMOVE SIGNAL EQUIPMENT. (CONSTRUCTION ONLY)**

REPLACE THE PARAGRAPH WITH THE FOLLOWING:  
THE DEPARTMENT WILL MEASURE THE QUANTITY BY EACH. THE DEPARTMENT WILL NOT MEASURE BACKFILLING AND THE DISPOSAL OR TRANSPORTATION OF EQUIPMENT AND MATERIALS ASSOCIATED WITH ANY STRUCTURAL OR ELECTRICAL COMPONENT OF THE SIGNAL SYSTEM INCLUDING, BUT NOT LIMITED TO POLE BASES, POLES, JUNCTION BOXES, CABINETS, AND WOOD POLES FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

DESIGNED BY:  
DATE SUBMITTED:

**Commonwealth of Kentucky**  
**DEPARTMENT OF HIGHWAYS**  
COUNTY OF  
**CARTER**

PROJECT NUMBER:  
FD04SP0220007010-011

TRAFFIC SIGNAL  
ESTIMATE OF QUANTITIES  
MEASUREMENT, CONST, AND MISC NOTES



**REVISED 05-14-2019**

**TRAFFIC SIGNAL ESTIMATE OF QUANTITIES**

THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITION, AND OTHER SPECIAL NOTES AND SPECIFICATIONS WILL APPLY ON THIS PROJECT. SEE SECTION 706, 723, AND 112 FOR MEASUREMENT AND OTHER DETAILS. SEE SECTION 602 FOR SPIRAL REINFORCEMENT SPLICING.

THE CONTRACTOR SHALL MAKE AN INSPECTION OF THE PROJECT SITE PRIOR TO SUBMITTING A BID AND SHALL BE THOROUGHLY FAMILIARIZED WITH EXISTING CONDITIONS. SUBMISSIONS OF A BID WILL BE CONSIDERED AN AFFIRMATION OF THIS INSPECTION HAVING BEEN COMPLETED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PICKING UP INSTALL ITEMS FROM THE FRANKFORT POLE YARD AND DELIVERING THESE ITEMS TO THE SITE. THE CONTRACTOR SHALL CONTACT FRANKFORT POLE YARD PERSONNEL (502-782-8994/502-330-8153 OR EMAIL KIM.STAMPER@KY.GOV) AND ARRANGE TO PICK UP INSTALL ITEMS A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO ARRIVAL. THE CONTRACTOR SHALL ALSO CONTACT THE SIGNAL SYSTEM BRANCH (502-782-5543/502-782-5547 OR EMAIL JOE.THOMPSON@KY.GOV/ LARRY.IRISH@KY.GOV) TO ARRANGE PROGRAMMING OF THE ROUTER USED FOR COMMUNICATION IN THE TRAFFIC SIGNAL A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO ARRIVAL. FAILURE TO PROVIDE POLE YARD PERSONNEL/ SIGNAL SYSTEM BRANCH THIS ADVANCE NOTICE COULD RESULT IN LONG DELAYS OR REFUSAL TO DISTRIBUTE EQUIPMENT UPON ARRIVAL.

ADD SENTENCE TO SECTION 835.15: ALL WIRE SHALL HAVE WORDING ADDED TO THE OUTER JACKET THAT STATES : \*PROPERTY OF KENTUCKY TRANSPORTATION CABINET 502 564 0501\*.

UNITS	CODE	ITEM DESCRIPTION	TOTAL	KY1/7@COLLEGE	KY1/7@3RD	KY1/7@3RD
LIN FT	4792	CONDUIT 1 INCH	36	12	12	12
LIN FT	4795	CONDUIT 2 INCH	600	175	225	200
EACH	4811	ELECTRICAL JUNCTION BOX TYPE B	12	4	4	4
LIN FT	4820	TRENCHING AND BACKFILLING	630	190	240	200
LIN FT	4830	LOOP WIRE	7,295	1,450	1145	4700
LIN FT	4844	CABLE-NO. 14/5C	6,510	1,925	2100	2485
LIN FT	4850	CABLE-NO. 14/4R	4,565	915	695	2975
LIN FT	4885	MESSANGER-10800 LB	1,050	300	320	430
LIN FT	4895	LOOP SAW SLOT AND FILL	2,500	580	470	1450
EACH	4931	INSTALL SIG CONTROLLER-TYPE 170	3	1	1	1
EACH	4932	INSTALL STEEL STRAIN POLE	12	4	4	4
EACH	24955ed	REMOVE SIGNAL EQUIPMENT	3	1	1	1
EACH	20093NS835	INSTALL PEDESTRIAN HEAD LED	24	8	8	8
EACH	20188NS835	INSTALL SIGNAL-3 SECTION LED	24	8	8	10
EACH	20266ES835	INSTALL SIGNAL-4 SECTION LED	2	0	0	2
EACH	20390NS835	INSTALL COORDINATING UNIT	3	1	1	1
EACH	21743NN	INSTALL PEDESTRIAN DETECTOR	24	8	8	8
CU YD	23157EN	TRAFFIC SIGNAL POLE BASE	49,19	15,18	16,22	17,79
EACH	23222EC	INSTALL SIGNAL PEDESTAL	5	1	4	0
EACH	23982EC	INSTALL ANTENNA	3	1	1	1
LIN FT	24901EC	PVC CONDUIT - 2 INCH - SCHEDULE 80	600	175	225	200

**CONSTRUCTION AND MEASUREMENT NOTES THAT ARE CONTRARY TO SECTION 723**

SUBSECTION:03.02 POLES AND BASES INSTALLATION. A)  
REVISION:REPLACE ENTIRE TABLE WITH THE FOLLOWING:

MAXIMUM SERVICE FORCES	DIAMETER (IN.)	DRILLED SHAFT DATA						TIES OR SPIRAL	
		DEPTH (FEET)		2:1 GROUND SLOPE*		VERTICAL BARS		BAR SIZE	SPACING OR PITCH (IN.)
		SOIL	ROCK	SOIL	ROCK	SIZE	TOTAL		
0-9.9	36	6	6.5	6.5	6.5	6.5	6.5	#4	12
10-19.9	36	8	6.5	6.5	6.5	6.5	6.5	#4	12
20-29.9	36	9	6.5	6.5	6.5	6.5	6.5	#4	12
30-39.9	36	9.5	6.5	6.5	6.5	6.5	6.5	#4	12
40-49.9	36	10	6.5	6.5	6.5	6.5	6.5	#4	12
50-59.9	36	10.5	6.5	6.5	6.5	6.5	6.5	#4	12
60-69.9	36	11	6.5	6.5	6.5	6.5	6.5	#4	12
70-79.9	36	11.5	6.5	6.5	6.5	6.5	6.5	#4	12
80-89.9	36	12	6.5	6.5	6.5	6.5	6.5	#4	12
90-99.9	36	12.5	6.5	6.5	6.5	6.5	6.5	#4	12
100-199.9	36	13	6.5	6.5	6.5	6.5	6.5	#4	12
200-249.9	36	13.5	6.5	6.5	6.5	6.5	6.5	#4	12
250-299.9	36	14	6.5	6.5	6.5	6.5	6.5	#4	12
300-399.9	36	14.5	6.5	6.5	6.5	6.5	6.5	#4	12
400-499.9	42	15	6.5	6.5	6.5	6.5	6.5	#4	12
500-600	48	21.5	7.5	7.5	7.5	7.5	7.5	#4	12
	42	22.5	7.5	7.5	7.5	7.5	7.5	#4	12

SUBSECTION: 04.22 REMOVE SIGNAL EQUIPMENT. (CONSTRUCTION ONLY)  
REVISION: REPLACE THE PARAGRAPH WITH THE FOLLOWING:  
THE DEPARTMENT WILL MEASURE THE QUANTITY BY EACH. THE DEPARTMENT WILL NOT MEASURE BACKFILLING AND THE DISPOSAL OR TRANSPORTATION OF EQUIPMENT AND MATERIALS ASSOCIATED WITH ANY STRUCTURAL OR ELECTRICAL COMPONENT OF THE SIGNAL SYSTEM INCLUDING, BUT NOT LIMITED TO POLE BASES, POLES, JUNCTION BOXES, CABINETS, AND WOOD POLES FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

DESIGNED BY: \_\_\_\_\_  
DATE SUBMITTED: \_\_\_\_\_

**Commonwealth of Kentucky**  
**DEPARTMENT OF HIGHWAYS**  
COUNTY OF  
**CARTER**

PROJECT NUMBER: **FD04SP0220007010-011**

TRAFFIC SIGNAL  
ESTIMATE OF QUANTITIES  
MEASUREMENT, CONST, AND MISC NOTES

VOLUMES CY  
LT COM 34.1  
LT EMB 0.0  
RT COM 25.3  
RT EMB 2.1  
STR. COM 0.9

VOLUMES CY  
LT COM 33.2  
LT EMB 0.2  
RT COM 25.3  
RT EMB 2.6  
STR. COM 2.2

VOLUMES CY  
LT COM 25.5  
LT EMB 0.6  
RT COM 25.0  
RT EMB 2.7  
STR. COM 1.9

AREAS SF  
LT COM 54.3  
LT EMB 0.0  
RT COM 34.3  
RT EMB 3.3  
STR. COM 3.2

AREAS SF  
LT COM 35.3  
LT EMB 0.5  
RT COM 34.1  
RT EMB 3.6  
STR. COM 2.7

AREAS SF  
LT COM 33.6  
LT EMB 0.1  
RT COM 33.5  
RT EMB 3.6  
STR. COM 2.4

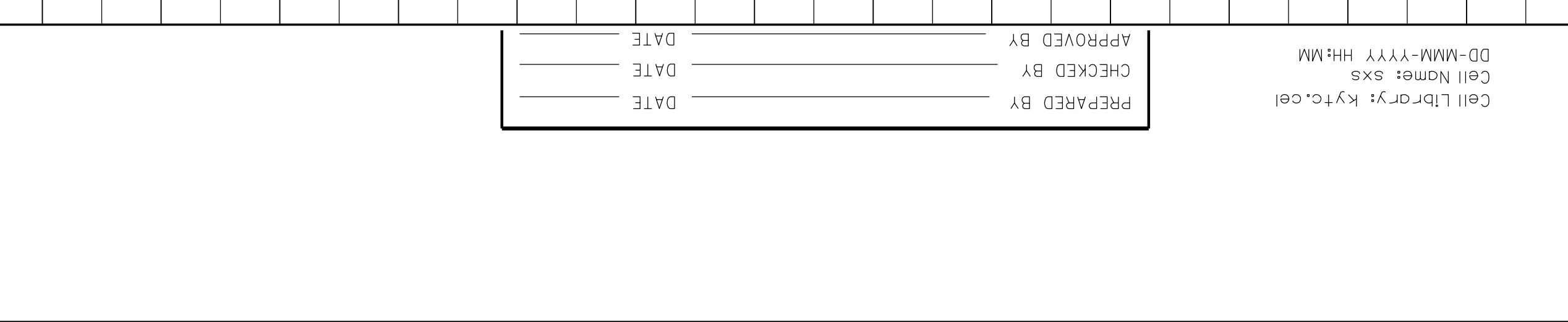
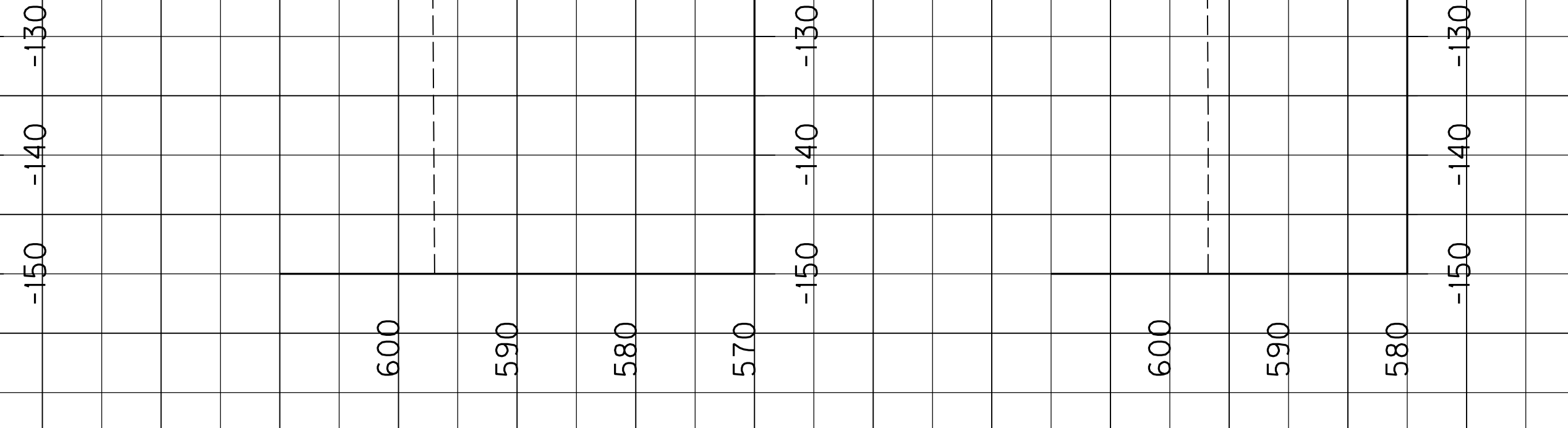
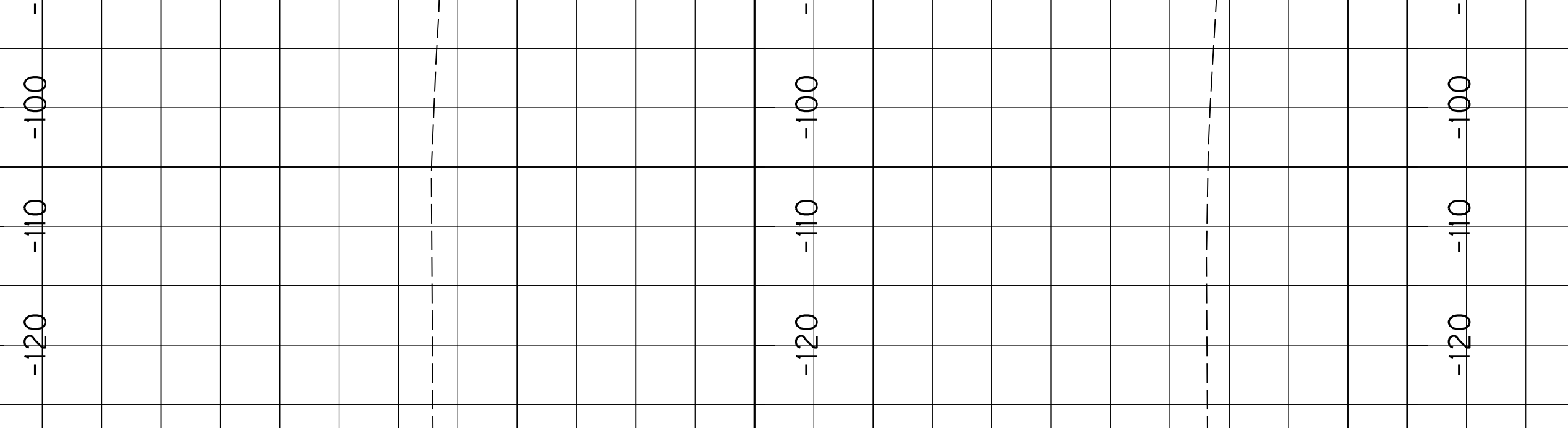
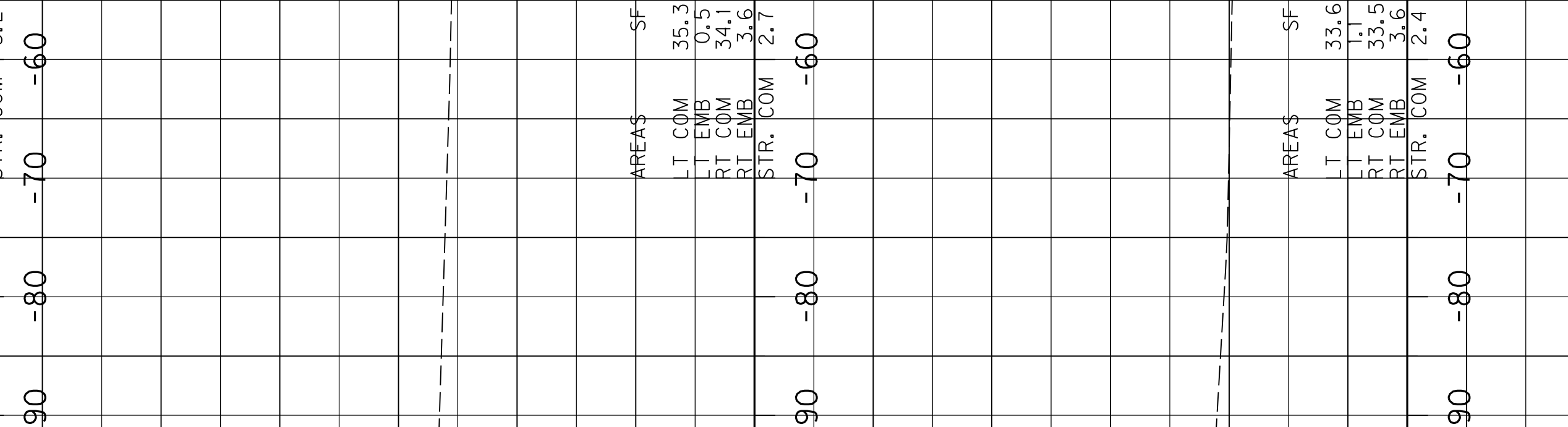
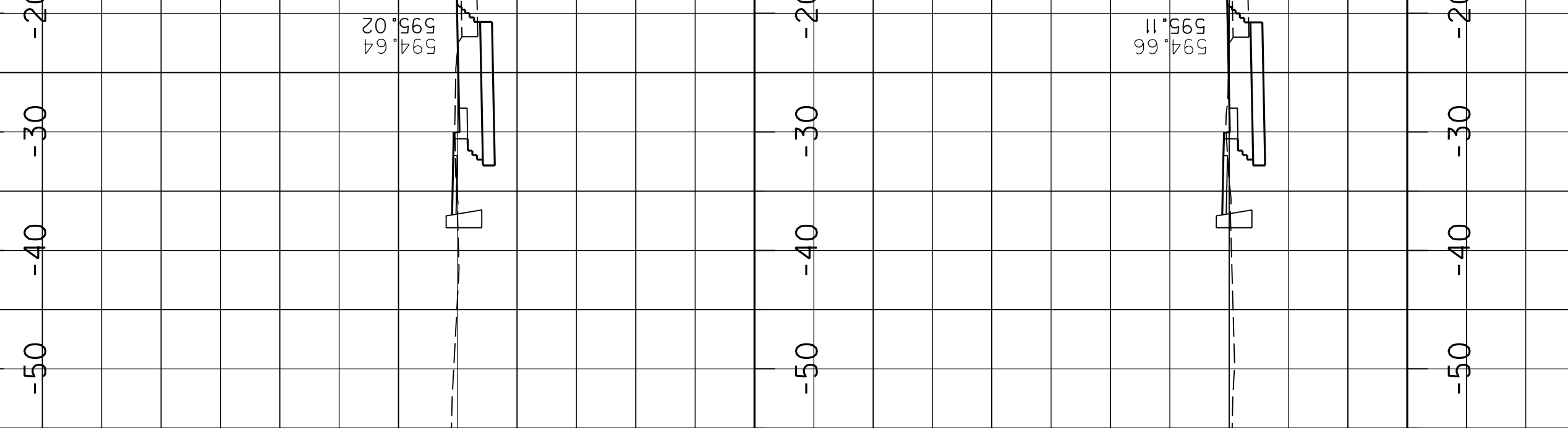
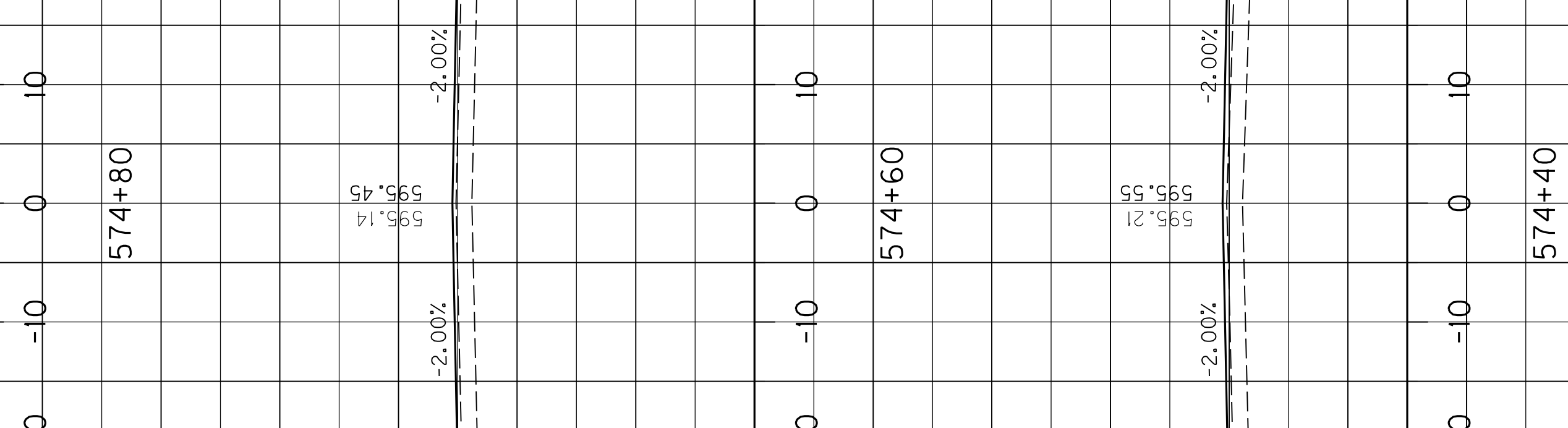
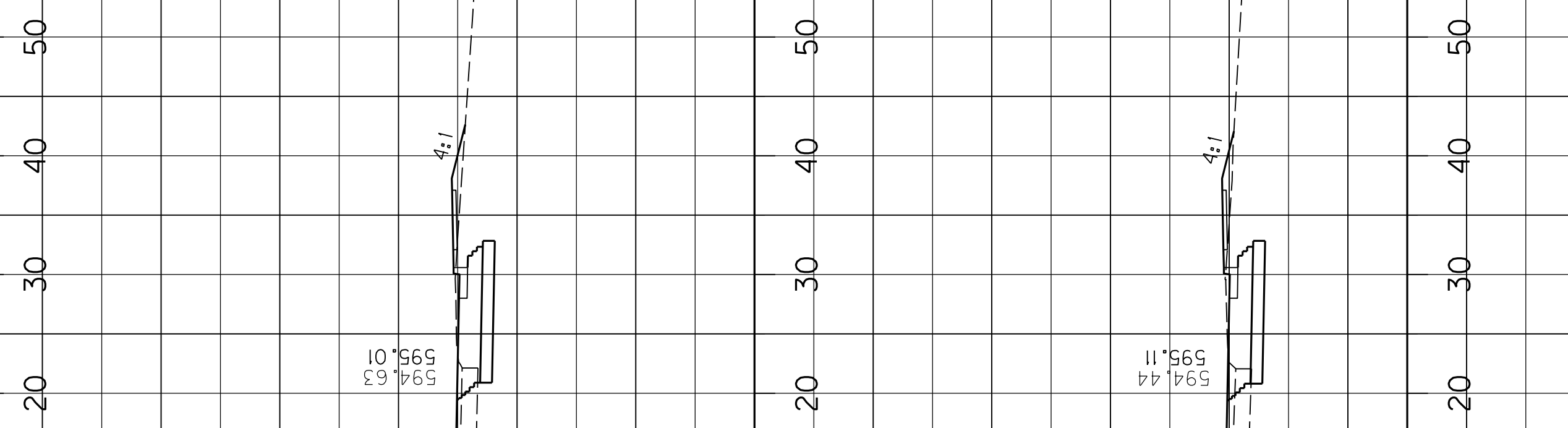
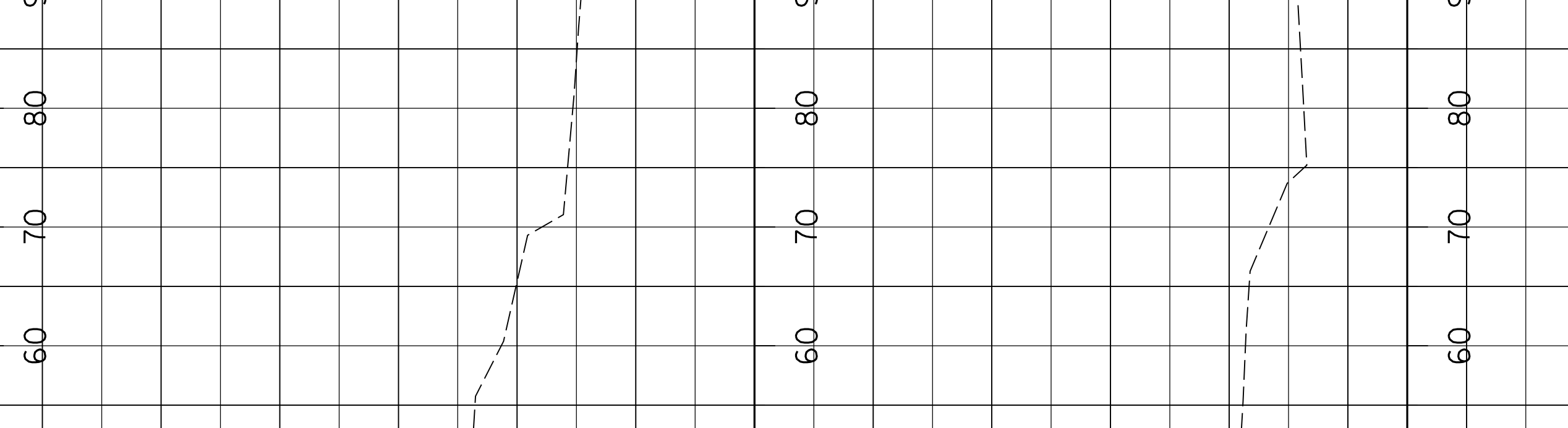
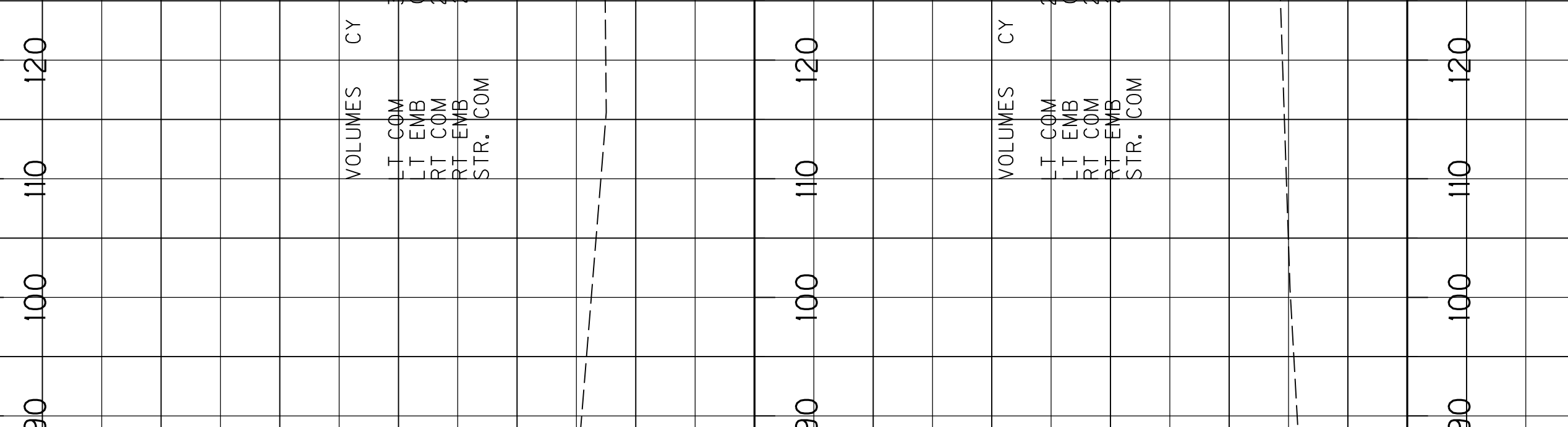
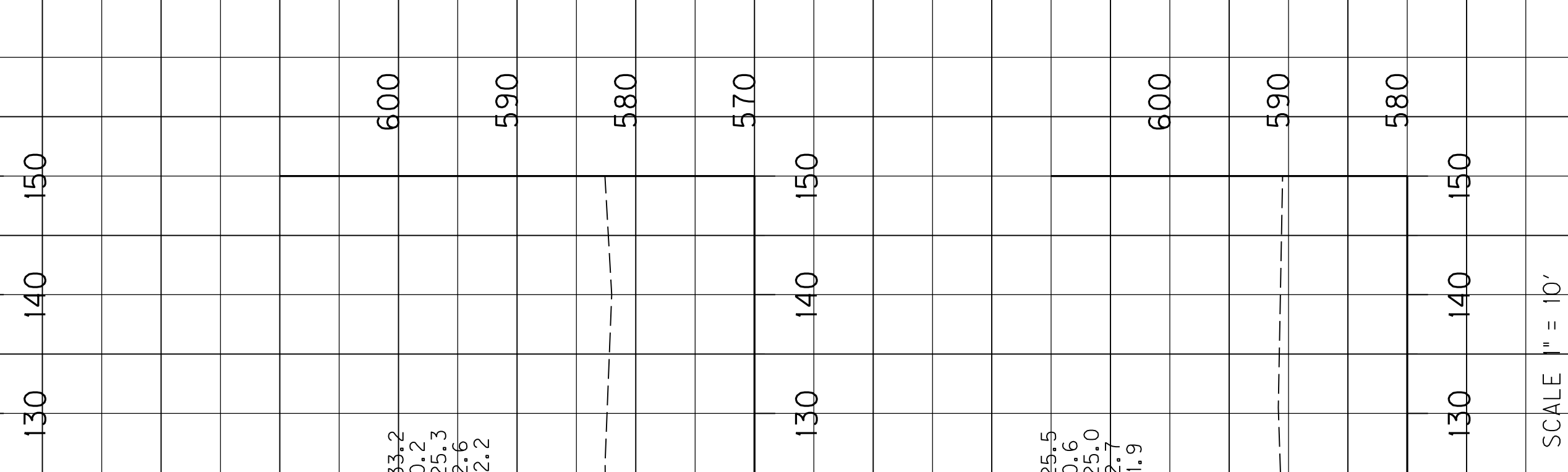
2 STORY BRICK  
DRAW PROPERTIES

SCALE 1" = 10'

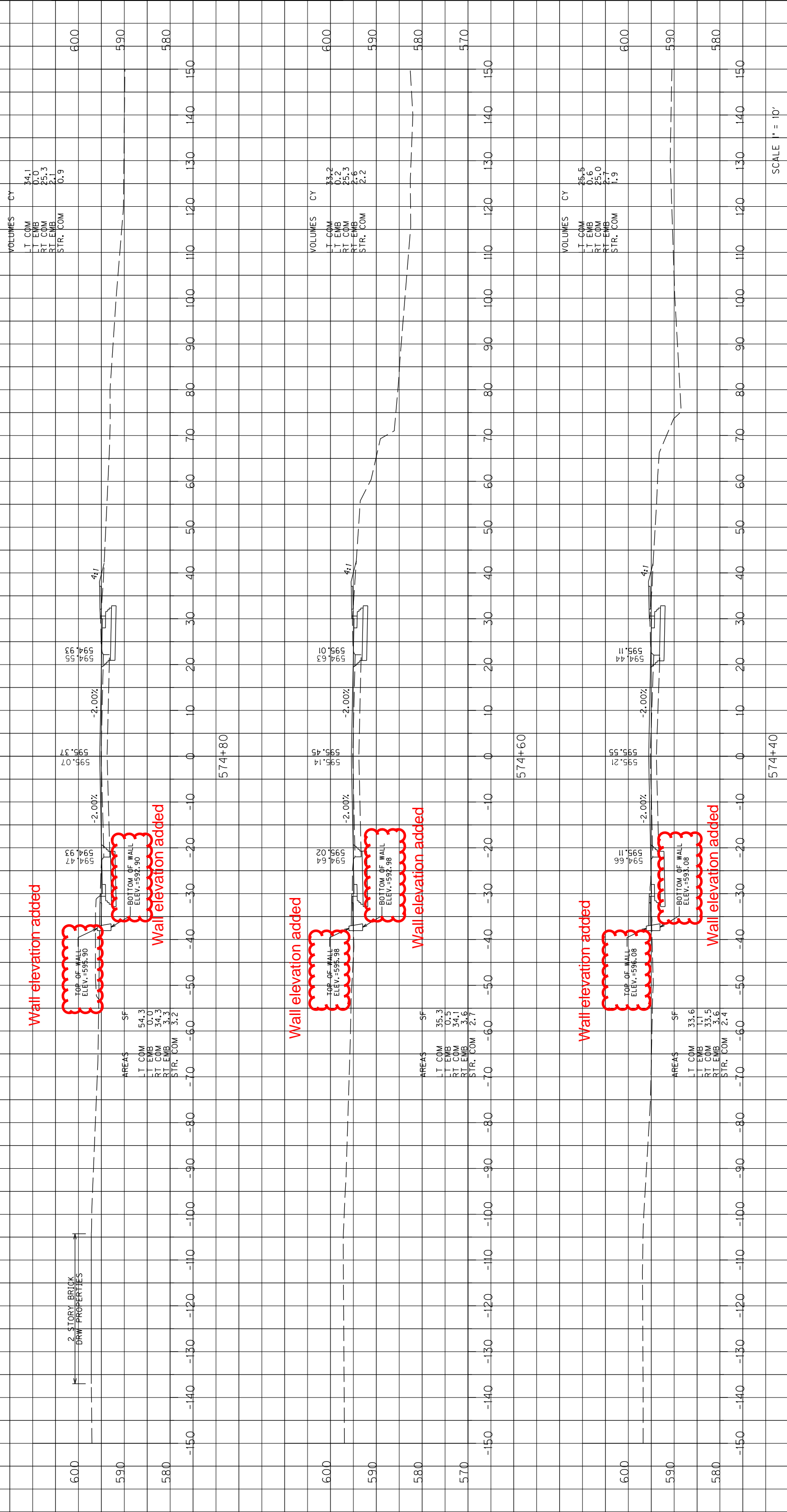
APPROVED BY \_\_\_\_\_  
DATE \_\_\_\_\_

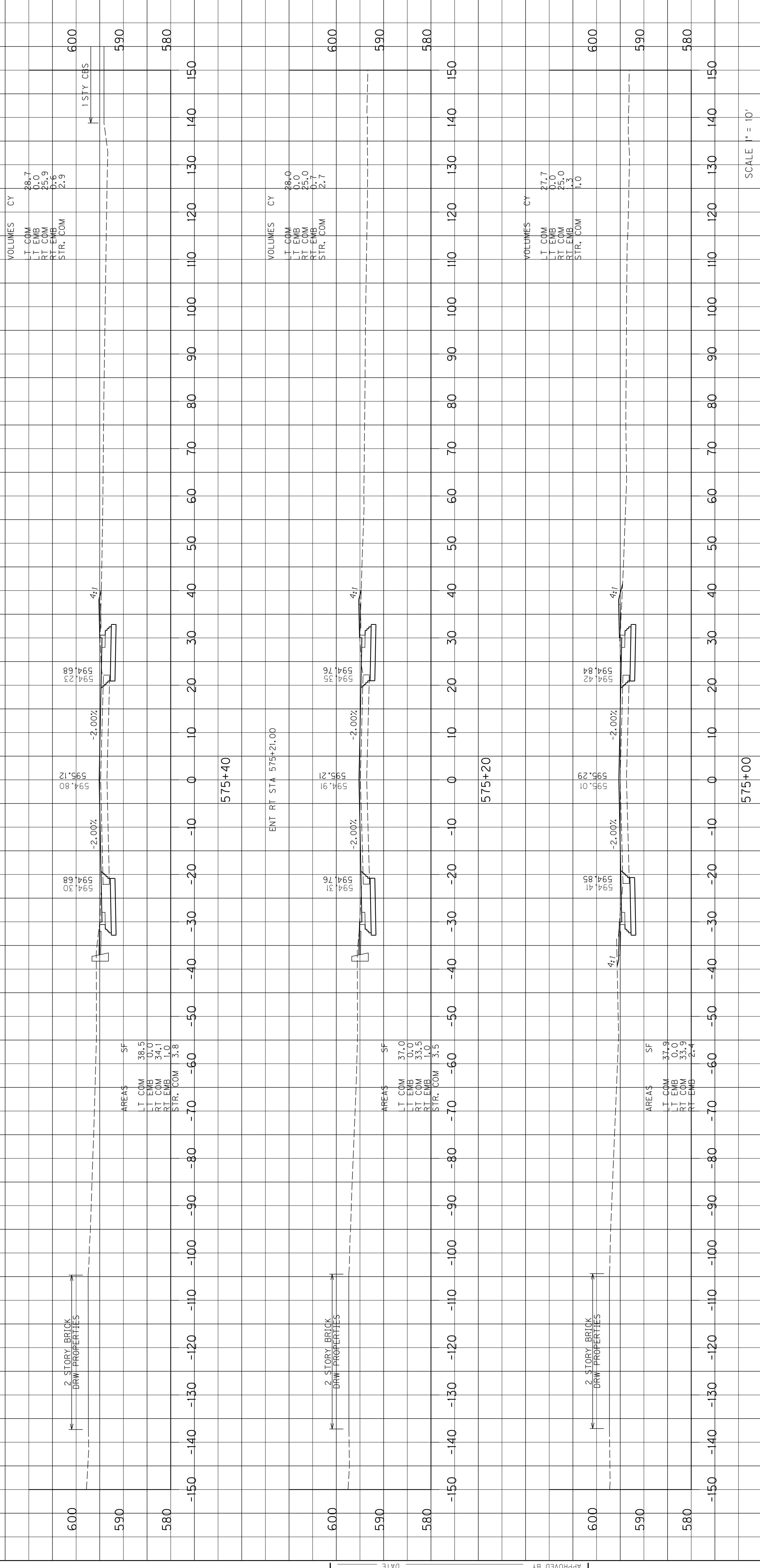
CHECKED BY \_\_\_\_\_  
DATE \_\_\_\_\_

PREPARED BY \_\_\_\_\_  
DATE \_\_\_\_\_

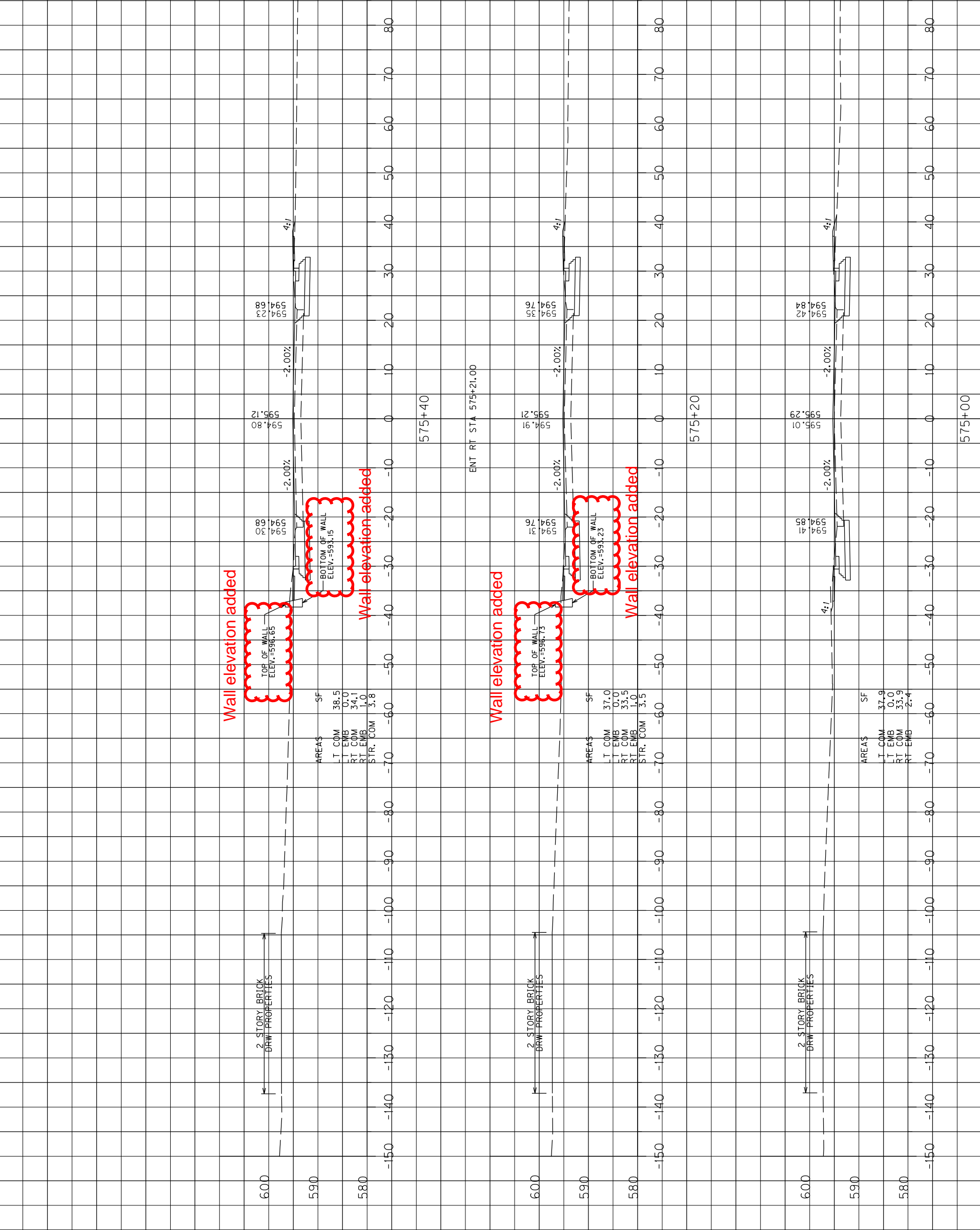




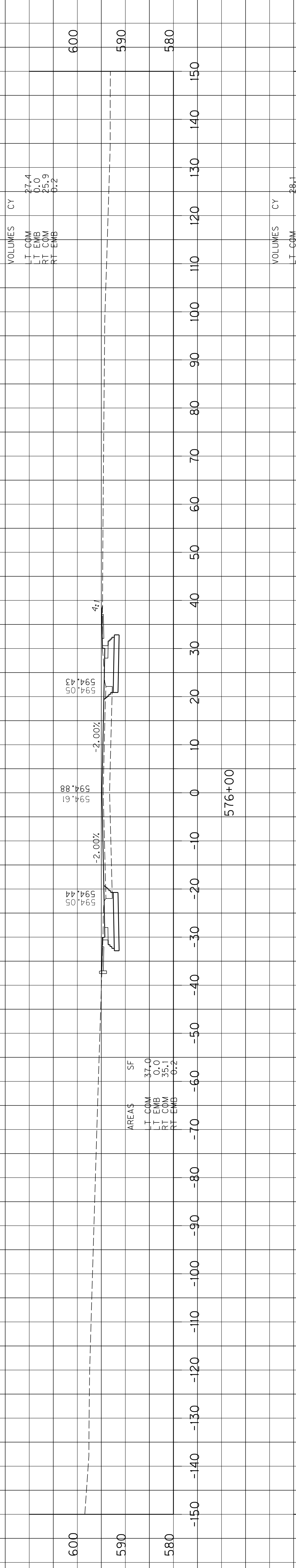




PREPARED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 Cell Library: Kyt.cel  
 DD-MM-YYYY HH:MM



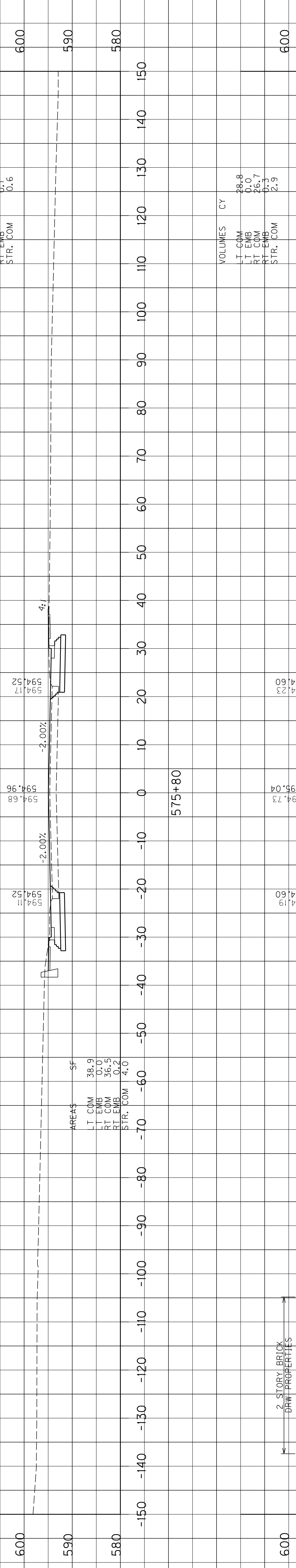
ENT RT STA 576+13.00



576+00

VOLUMES CY

I COM	27.4
LT EMB	0.0
RT COM	25.9
RT EMB	0.2

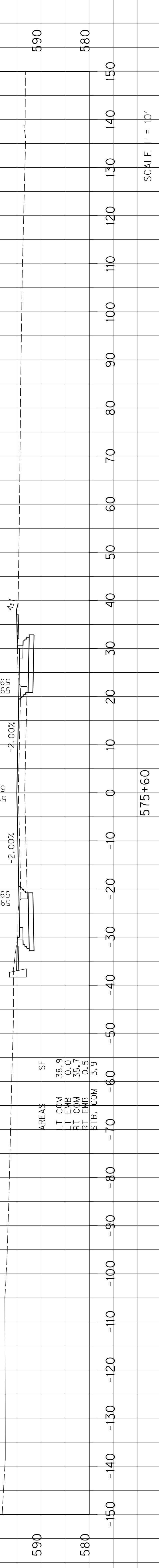


575+80

VOLUMES CY

I COM	28.1
LT EMB	0.0
RT COM	26.5
RT EMB	0.1
STR. COM	0.6

2 STORY BRICK  
DRW PROPERTIES



575+60

VOLUMES CY

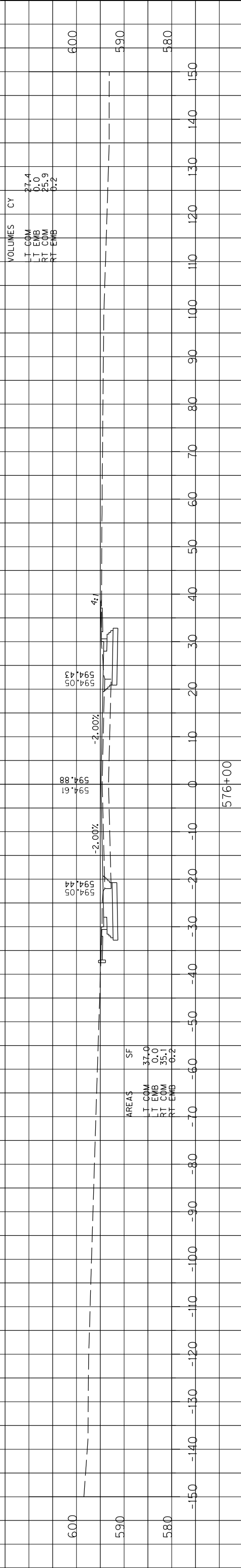
I COM	28.8
LT EMB	0.0
RT COM	26.7
RT EMB	0.3
STR. COM	2.9

SCALE 1" = 10'

PREPARED BY \_\_\_\_\_ DATE \_\_\_\_\_  
CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_  
APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_

Cell Library: Kyt.cel  
Cell Name: sxs  
DD-MMM-YYYY HH:MM

ENT RT STA 576+13.00

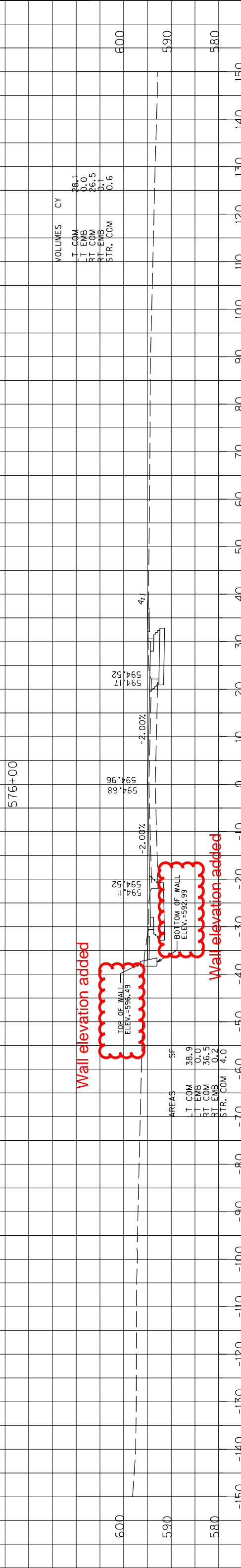


AREAS SF

L COM	37.0
L EMB	0.0
R COM	35.1
R EMB	0.2

VOLUMES CY

L COM	27.4
L EMB	0.0
R COM	25.9
R EMB	0.2



Wall elevation added

TOP OF WALL  
ELEV.=598.49

BOTTOM OF WALL  
ELEV.=592.99

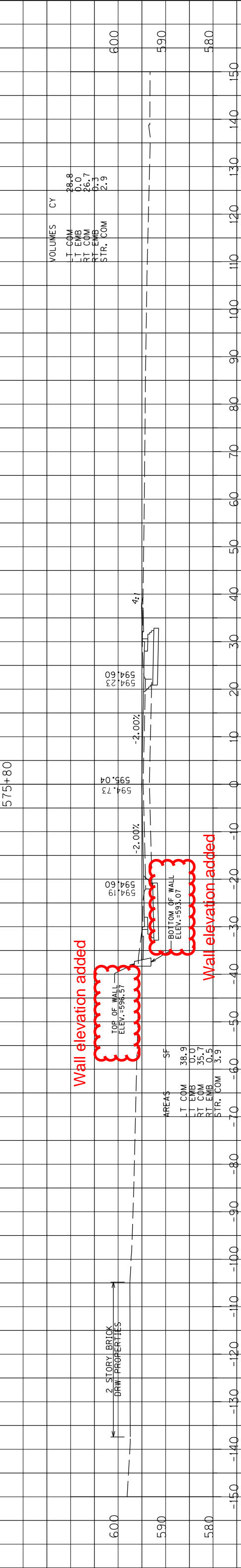
Wall elevation added

AREAS SF

L COM	38.9
L EMB	0.0
R COM	36.5
R EMB	0.2
STR. COM	4.0

VOLUMES CY

L COM	28.1
L EMB	0.0
R COM	26.5
R EMB	0.1
STR. COM	0.6



Wall elevation added

TOP OF WALL  
ELEV.=598.57

BOTTOM OF WALL  
ELEV.=593.07

Wall elevation added

AREAS SF

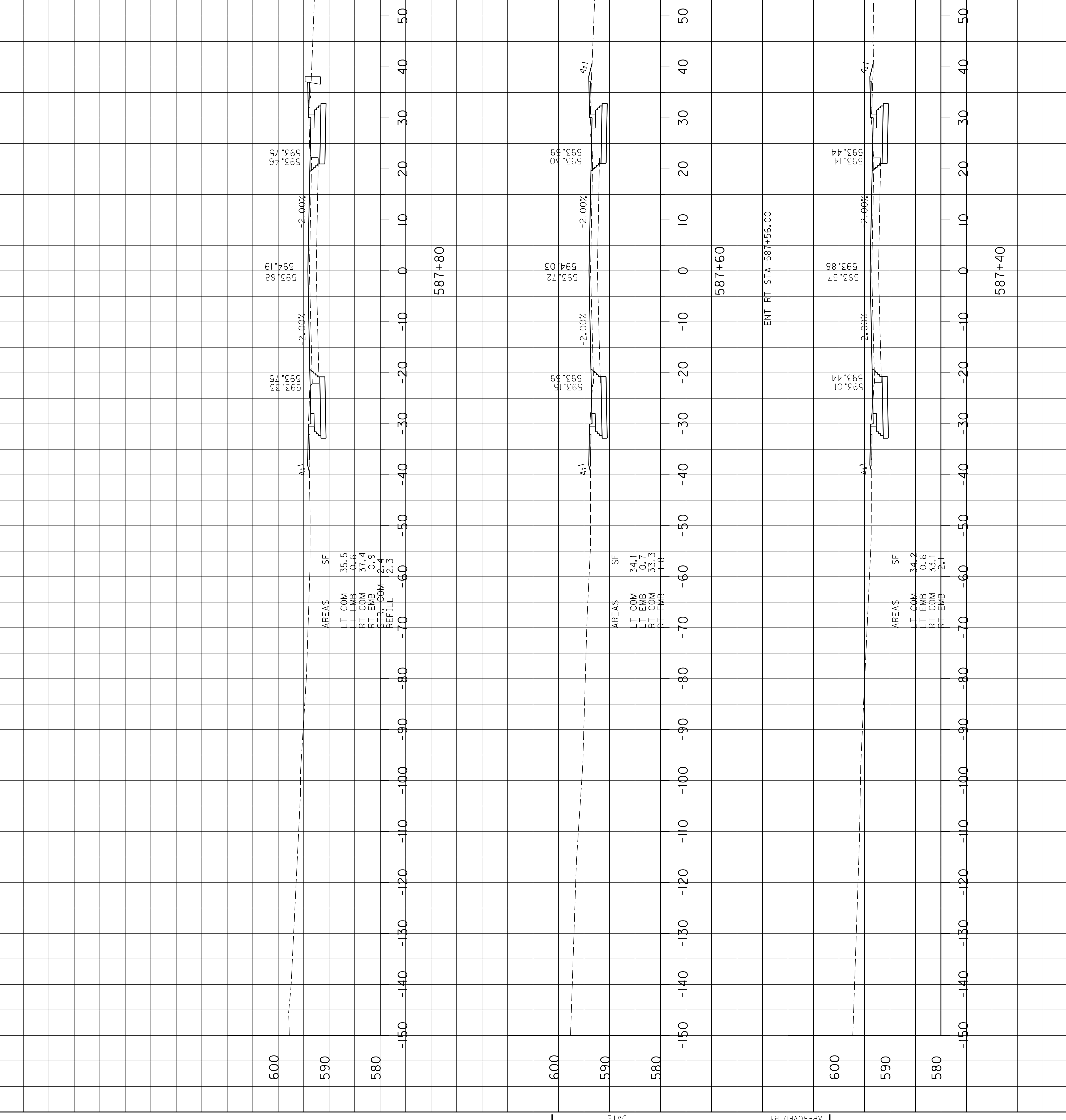
L COM	38.9
L EMB	0.0
R COM	35.7
R EMB	0.5
STR. COM	3.9

VOLUMES CY

L COM	26.8
L EMB	0.0
R COM	26.7
R EMB	0.3
STR. COM	2.9

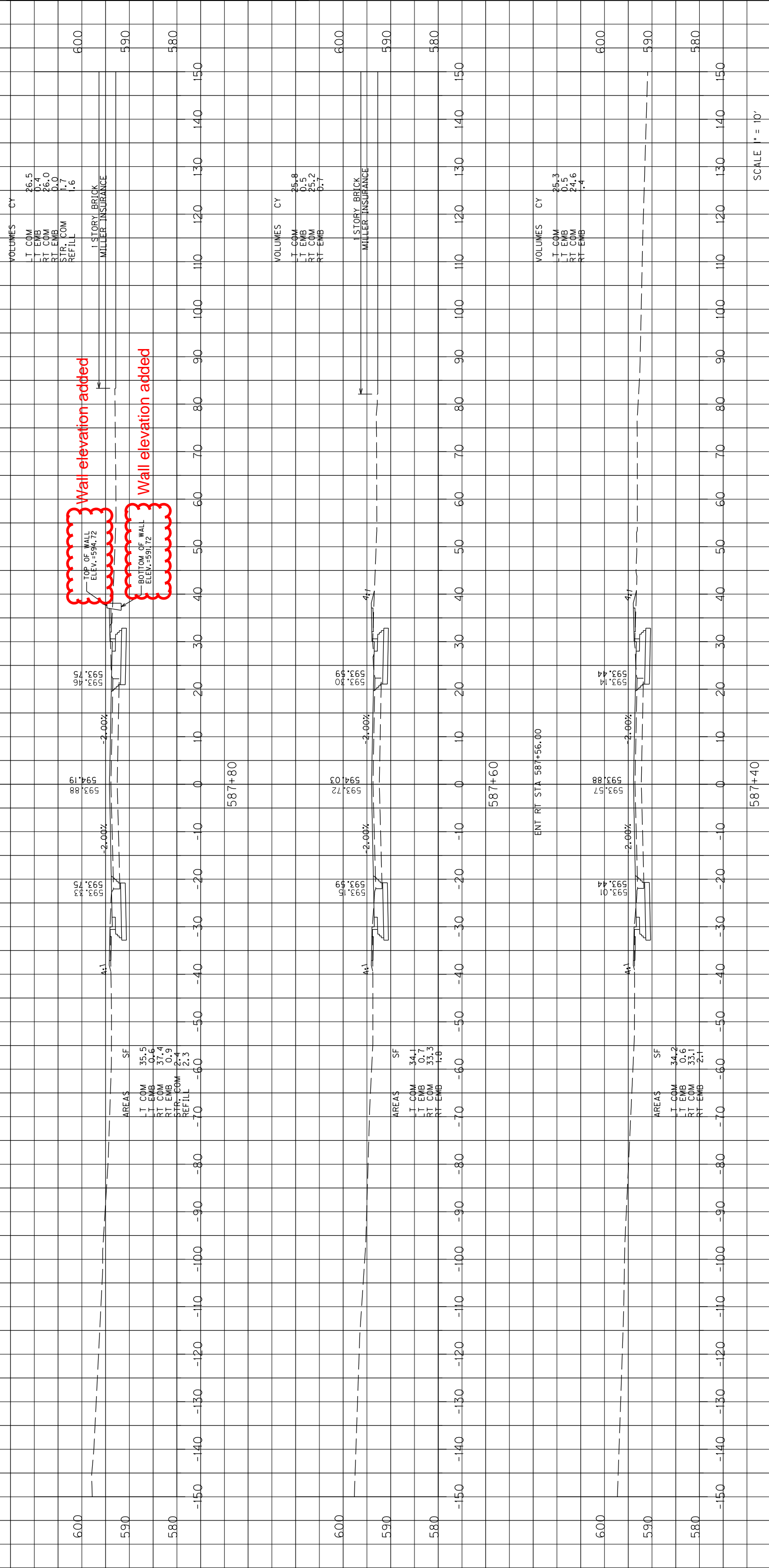
2 STORY BRICK  
DRW PROPERTIES

SCALE 1" = 10'

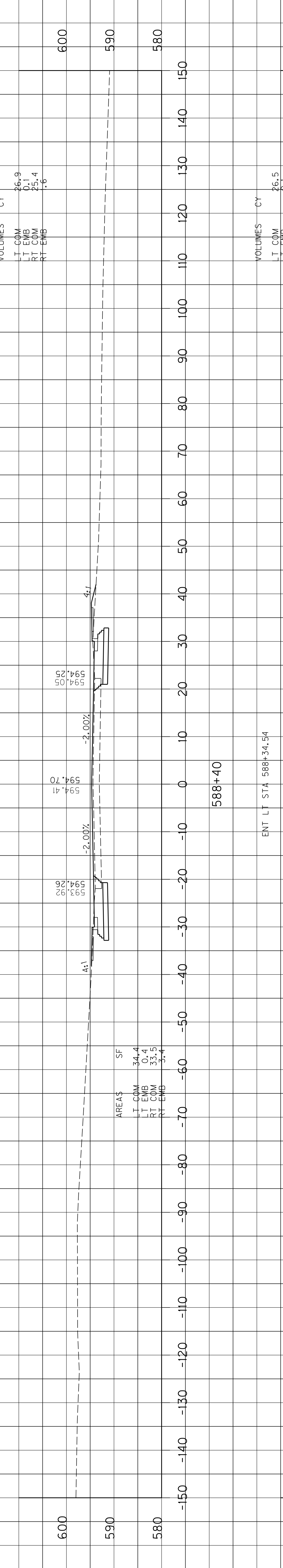


APPROVED BY _____	DATE _____
CHECKED BY _____	DATE _____
PREPARED BY _____	DATE _____

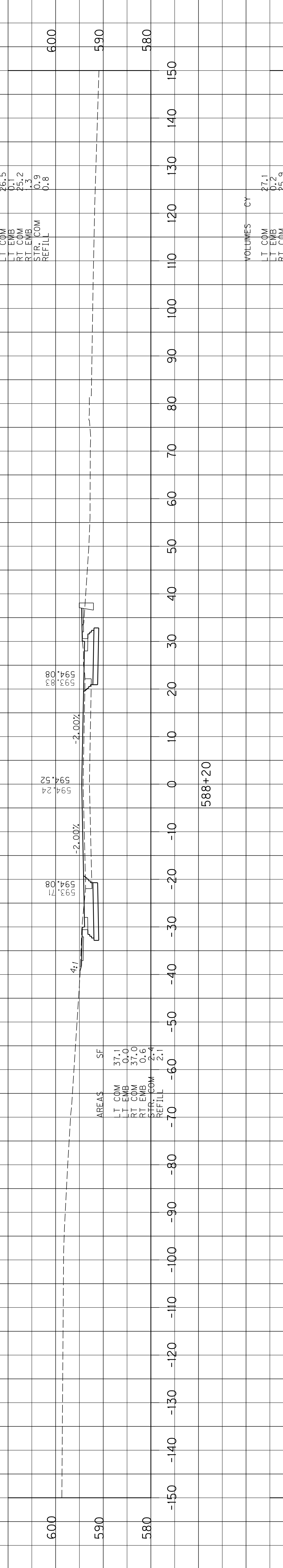




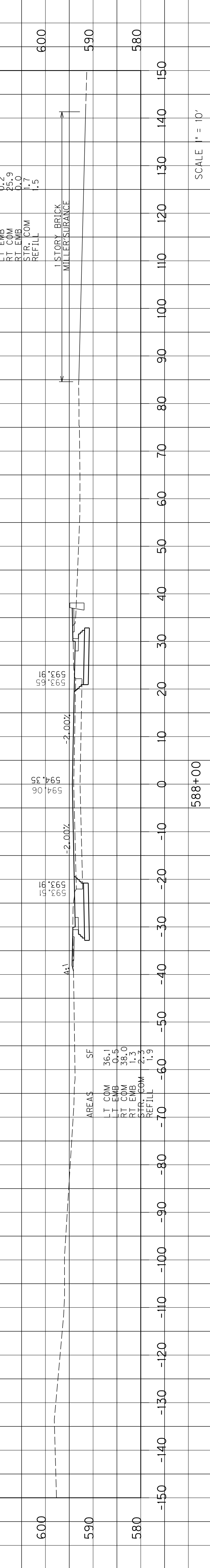
ENT RT STA 588+42.00



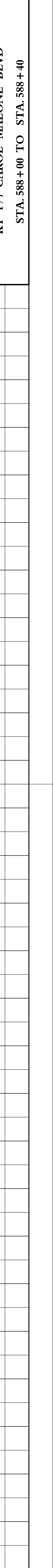
ENT LT STA 588+34.54



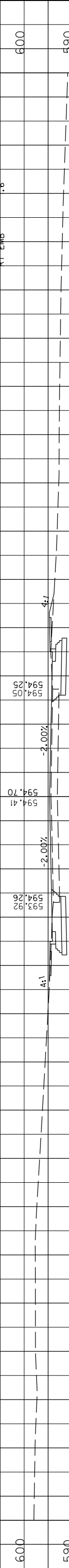
ENT RT STA 588+42.00



ENT LT STA 588+34.54



ENT RT STA 588+42.00



AREAS SF

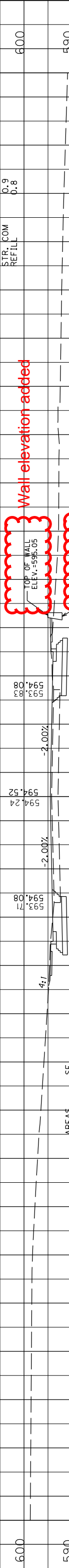
LT COM	34.4
LT EMB	0.4
RT COM	33.5
RT EMB	3.4

VOLUMES CY

LT COM	26.9
LT EMB	0.1
RT COM	25.4
RT EMB	1.6

588+40

ENT LT STA 588+34.54



AREAS SF

LT COM	37.1
LT EMB	0.0
RT COM	37.0
RT EMB	0.6
STR. COM	2.4
REFILL	2.1

VOLUMES CY

LT COM	26.5
LT EMB	0.1
RT COM	25.2
RT EMB	1.3
STR. COM	0.9
REFILL	0.8

Wall elevation added

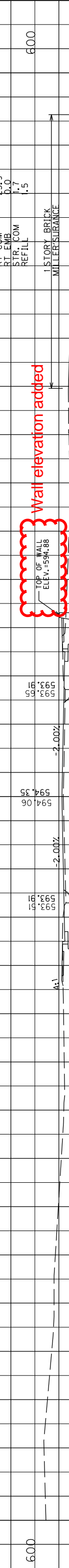
Wall elevation added

TOP OF WALL  
ELEV.=594.05

BOTTOM OF WALL  
ELEV.=592.05

588+20

ENT RT STA 588+42.00



AREAS SF

LT COM	36.1
LT EMB	0.5
RT COM	38.0
RT EMB	1.3
STR. COM	2.3
REFILL	1.3

VOLUMES CY

LT COM	27.1
LT EMB	0.2
RT COM	25.9
RT EMB	0.9
STR. COM	1.7
REFILL	1.5

Wall elevation added

Wall elevation added

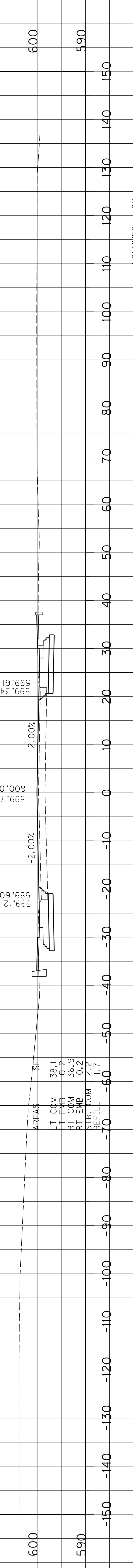
TOP OF WALL  
ELEV.=594.88

BOTTOM OF WALL  
ELEV.=591.88

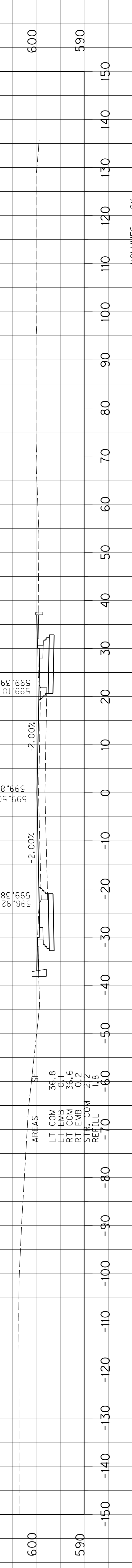
1 STORY BRICK MILLERSURANCE

SCALE 1" = 10'

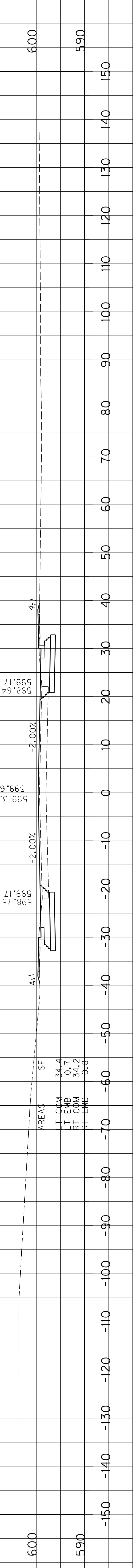
VOLUMES CY  
 LT COM 27.5  
 LT EMB 0.3  
 RT COM 27.1  
 RT EMB 0.1  
 STR. COM 1.6  
 REFILL 1.3



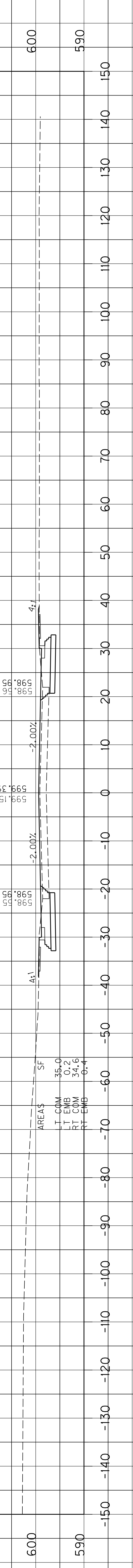
VOLUMES CY  
 LT COM 27.7  
 LT EMB 0.1  
 RT COM 27.2  
 RT EMB 0.1  
 STR. COM 1.6  
 REFILL 1.3



VOLUMES CY  
 LT COM 26.4  
 LT EMB 0.3  
 RT COM 26.2  
 RT EMB 0.4  
 STR. COM 1.1  
 REFILL 0.9



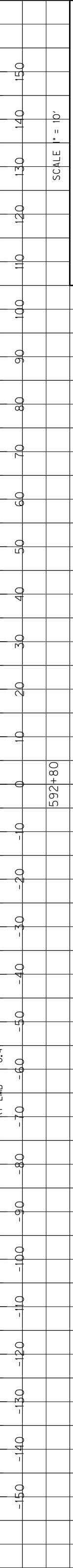
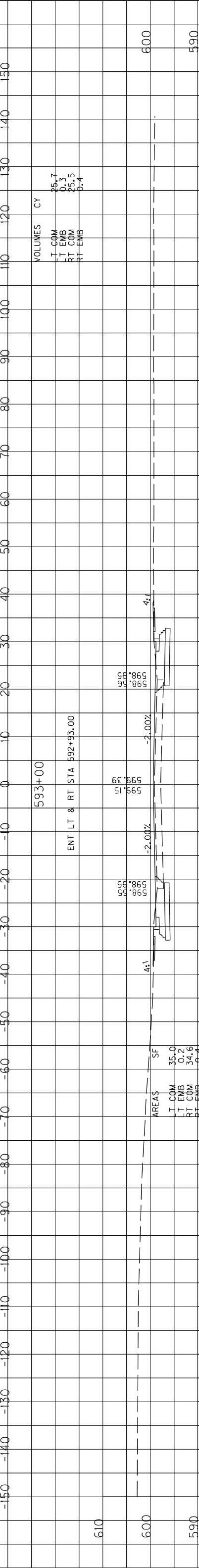
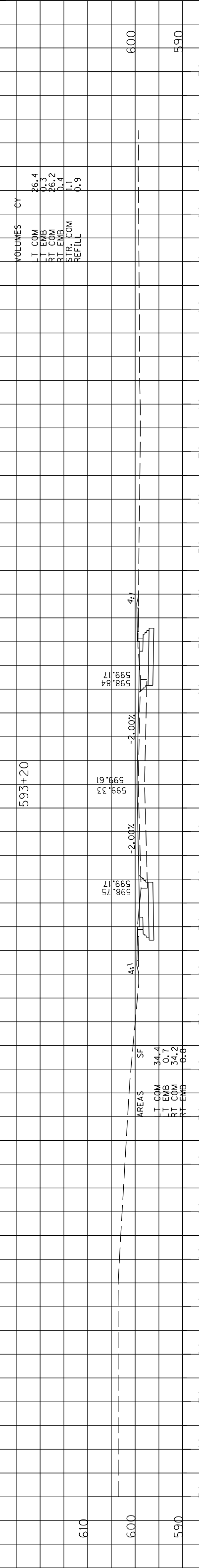
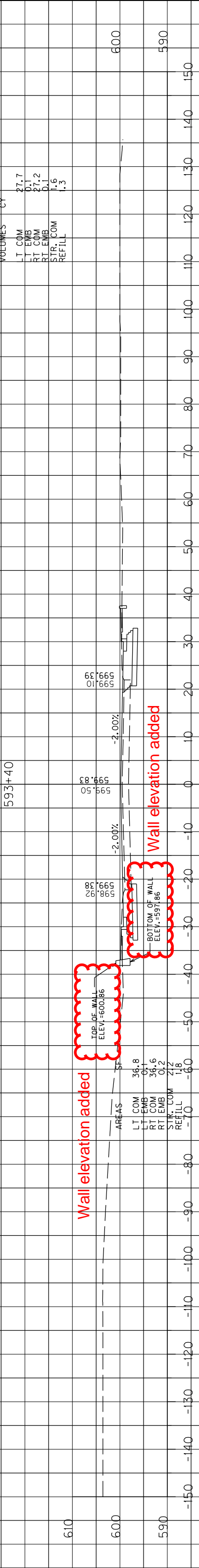
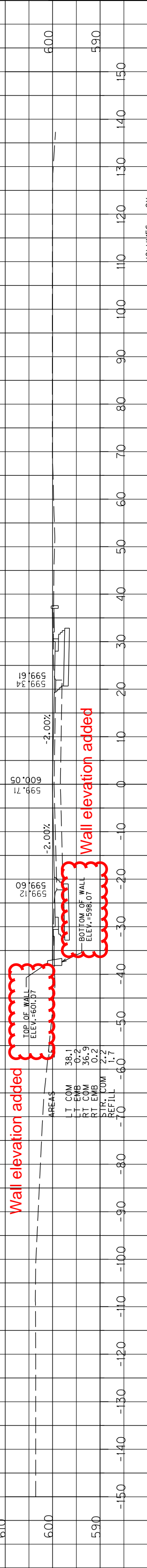
VOLUMES CY  
 LT COM 25.7  
 LT EMB 0.3  
 RT COM 25.5  
 RT EMB 0.4



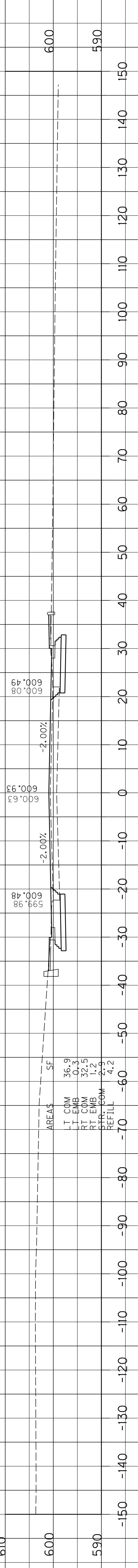
PREPARED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_

Cell Library: Kyt.cel  
 DD-MM-YYYY HH:MM

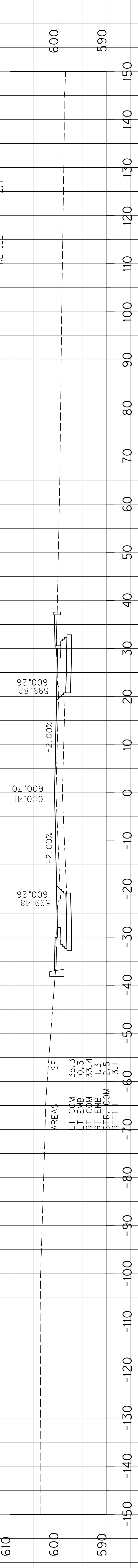
VOLUMES		CY
LT COM	27.5	
LT EMB	0.3	
RT COM	27.1	
RT EMB	0.1	
STR. COM	1.6	
REFILL	1.3	



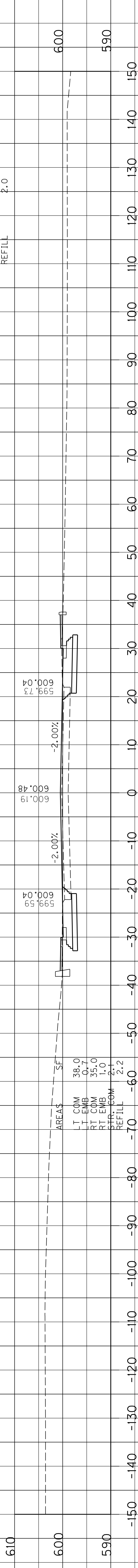
VOLUMES CY  
 LT COM 26.2  
 LT EMB 0.2  
 RT COM 24.3  
 RT EMB 0.4  
 STR. COM 1.5  
 REFILL 2.2



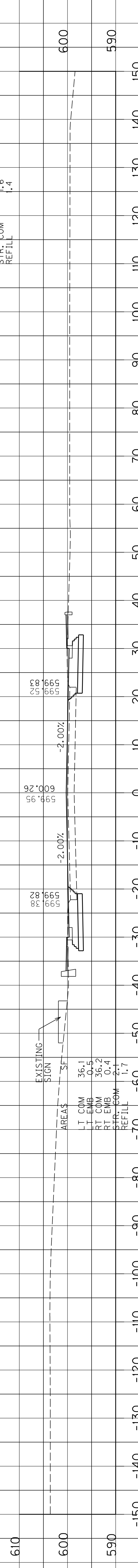
VOLUMES CY  
 LT COM 26.7  
 LT EMB 0.2  
 RT COM 24.4  
 RT EMB 0.0  
 STR. COM 2.0  
 REFILL 2.7



VOLUMES CY  
 LT COM 27.1  
 LT EMB 0.4  
 RT COM 25.3  
 RT EMB 0.0  
 STR. COM 1.7  
 REFILL 2.0



VOLUMES CY  
 LT COM 27.4  
 LT EMB 0.4  
 RT COM 26.4  
 RT EMB 0.0  
 STR. COM 1.6  
 REFILL 1.4



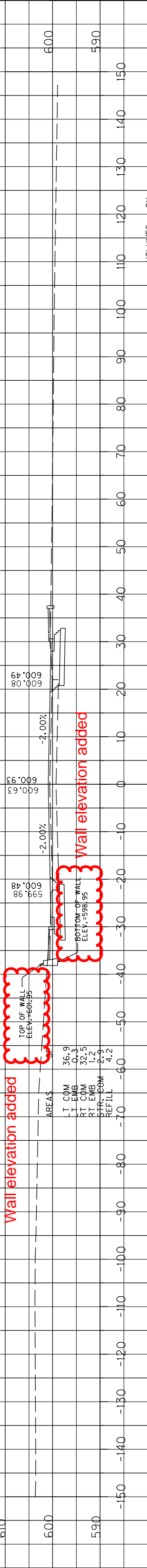
VOLUMES CY  
 LT COM 27.4  
 LT EMB 0.4  
 RT COM 26.4  
 RT EMB 0.0  
 STR. COM 1.6  
 REFILL 1.4

PREPARED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_

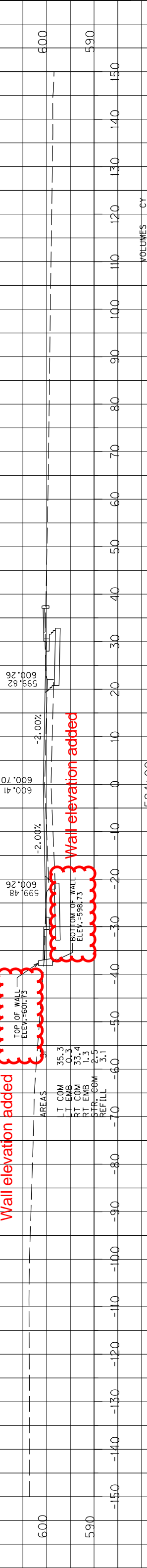
Cell Library: Kyt.cel  
 DD-MMM-YYYY HH:MM



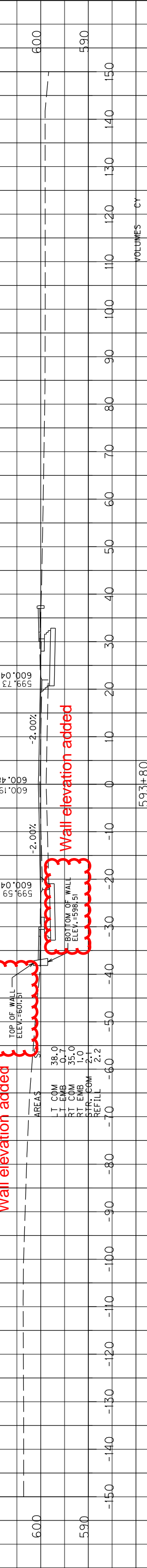
VOLUMES	CY
LT COM	26.2
LT EMB	0.2
RT COM	24.3
RT EMB	0.4
STR. COM	1.5
REFILL	2.2



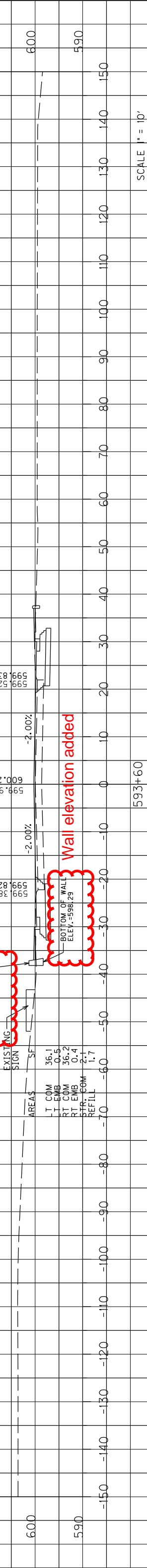
VOLUMES	CY
LT COM	26.7
LT EMB	0.2
RT COM	24.4
RT EMB	0.0
STR. COM	2.0
REFILL	2.7



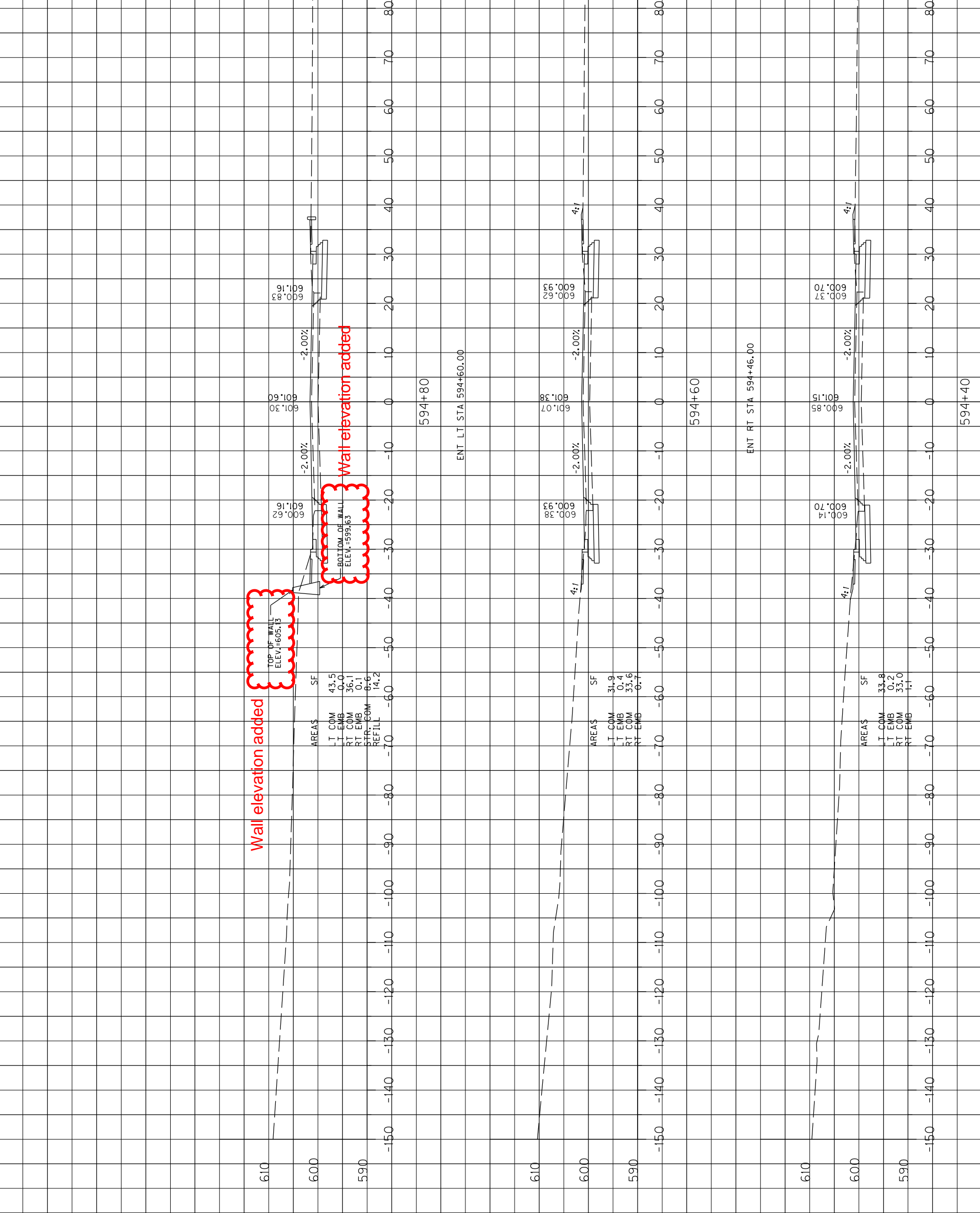
VOLUMES	CY
LT COM	27.1
LT EMB	0.4
RT COM	25.3
RT EMB	0.0
STR. COM	1.7
REFILL	2.0



VOLUMES	CY
LT COM	27.4
LT EMB	0.4
RT COM	26.4
RT EMB	0.0
STR. COM	1.6
REFILL	1.4



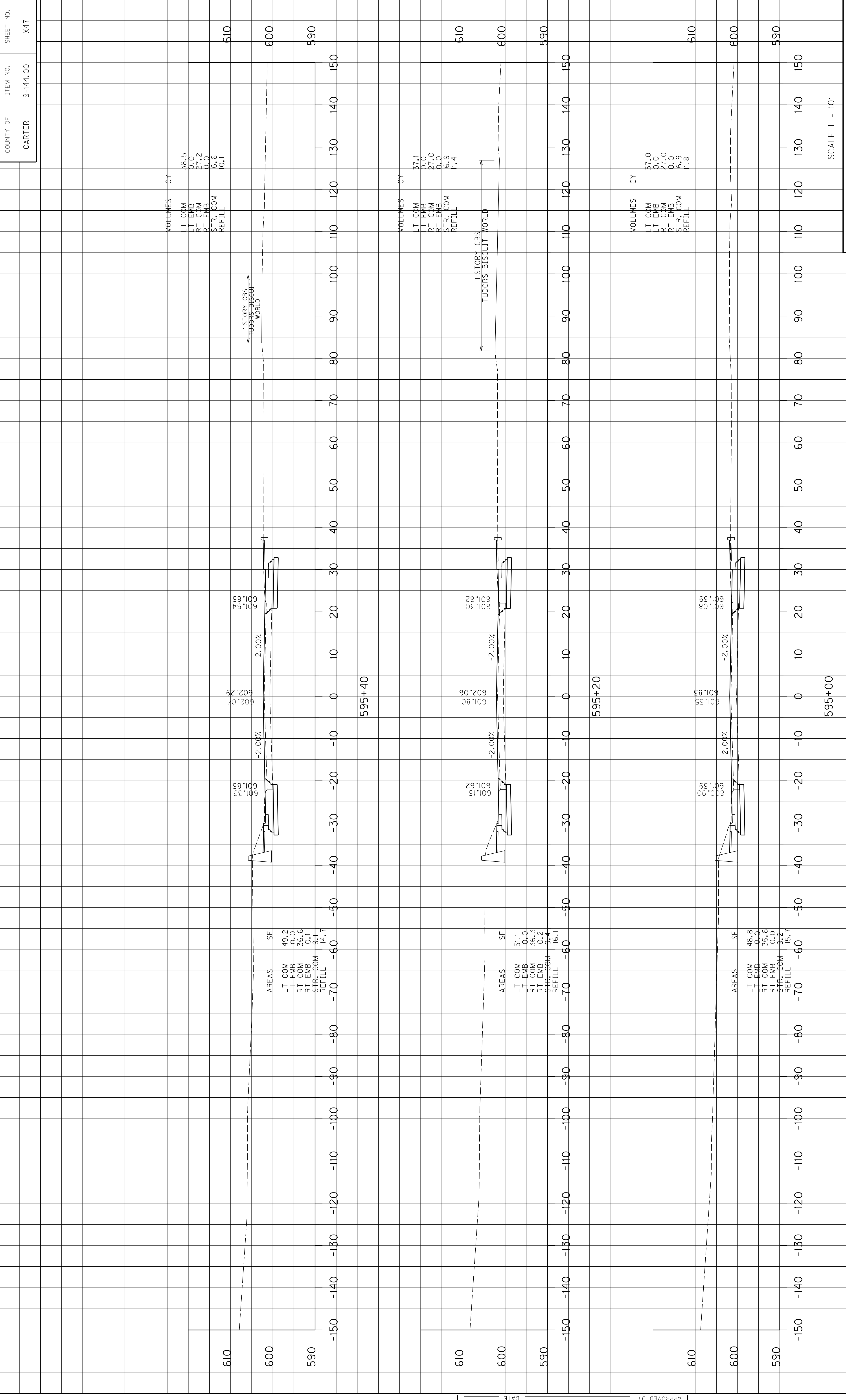




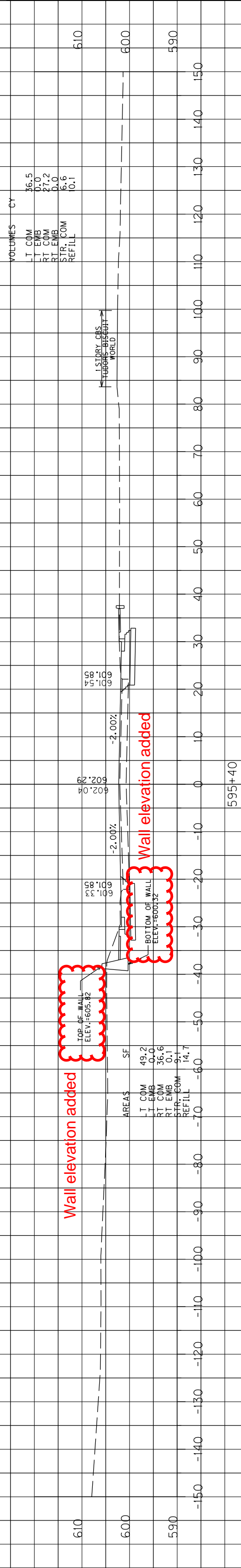
VOLUMES - CY  
 LT COM 36.5  
 RT EMB 0.0  
 RT COM 27.2  
 RT EMB 0.0  
 STR. COM 6.6  
 REFILL 10.1

VOLUMES - CY  
 LT COM 37.1  
 RT EMB 0.0  
 RT COM 27.0  
 RT EMB 0.0  
 STR. COM 6.9  
 REFILL 11.4

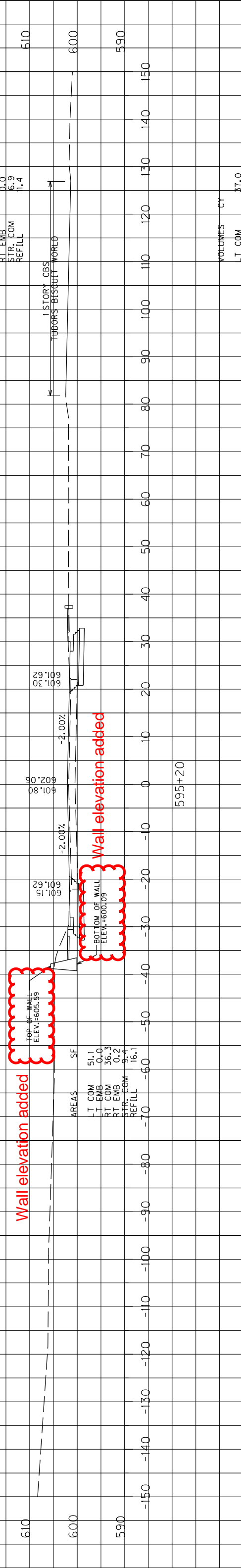
VOLUMES - CY  
 LT COM 37.0  
 RT EMB 0.0  
 RT COM 27.0  
 RT EMB 0.0  
 STR. COM 6.9  
 REFILL 11.8



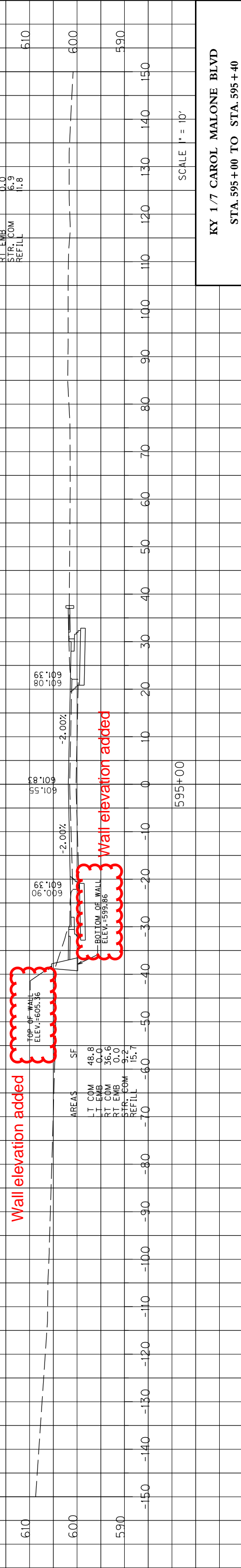
610	600	590	-150	-140	-130	-120	-110	-100	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	610	600	590
-----	-----	-----	------	------	------	------	------	------	-----	-----	-----	-----	-----	-----	-----	-----	-----	---	----	----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----



595+40

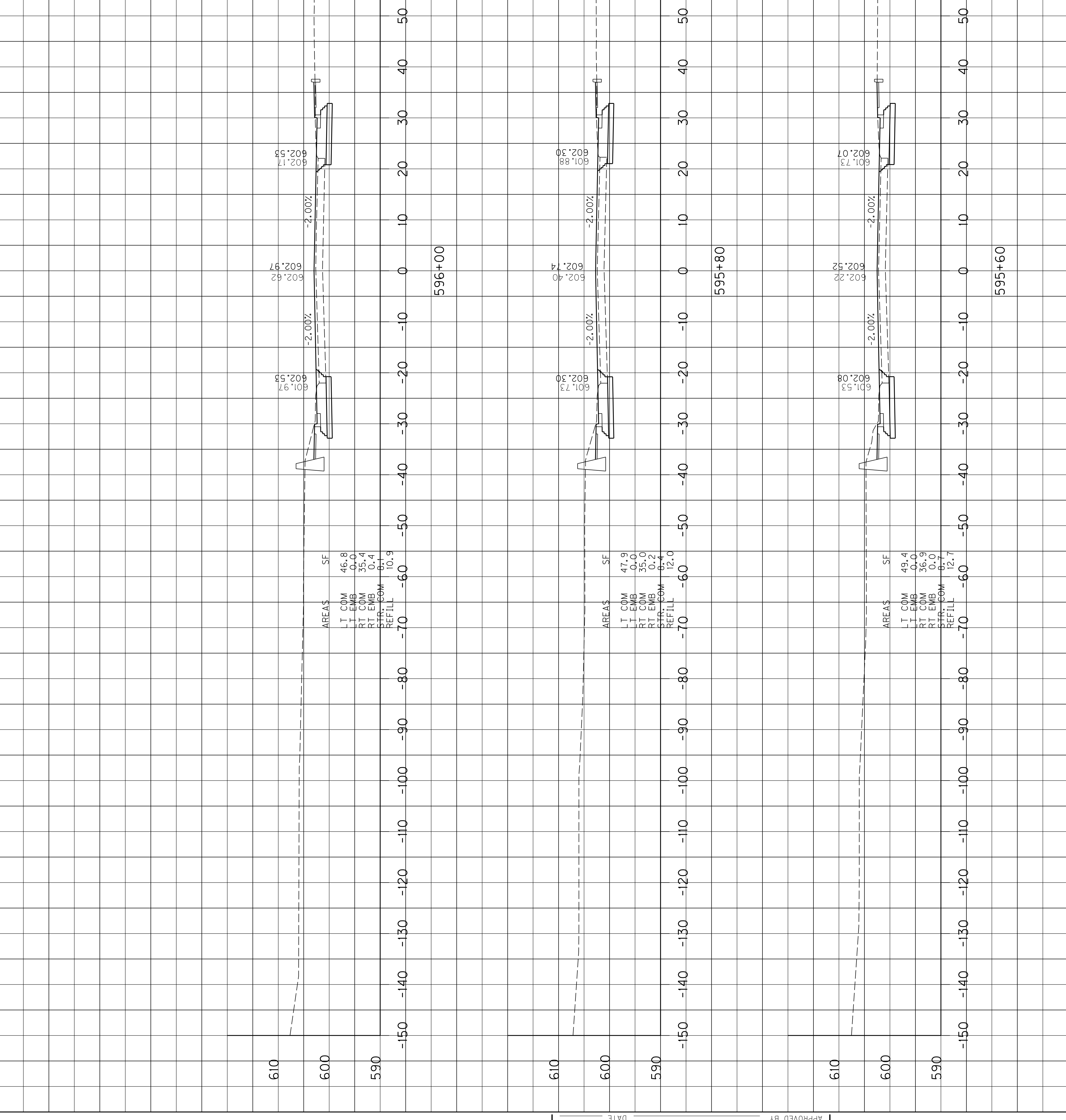


595+20



595+00

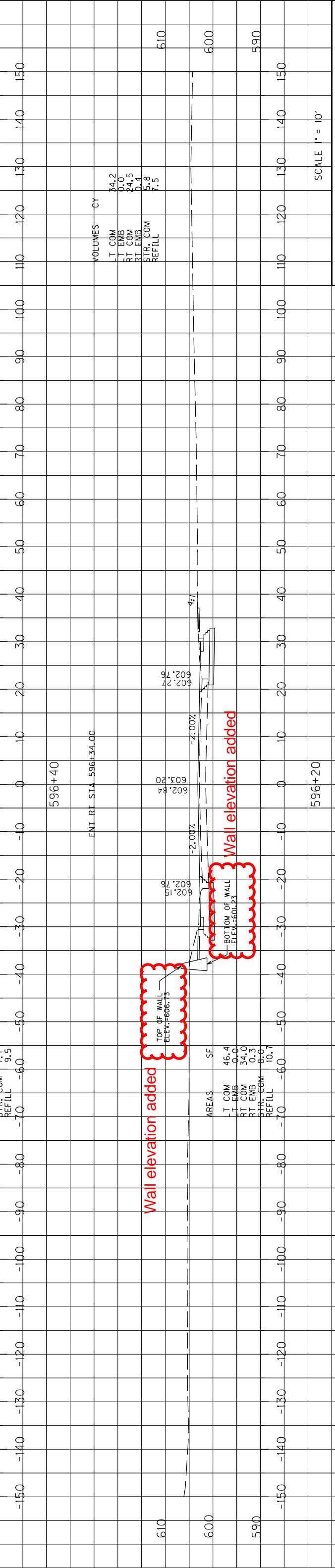
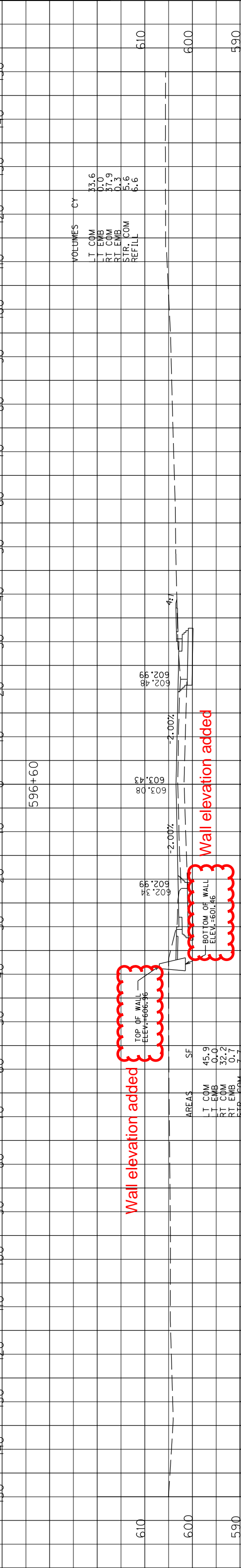
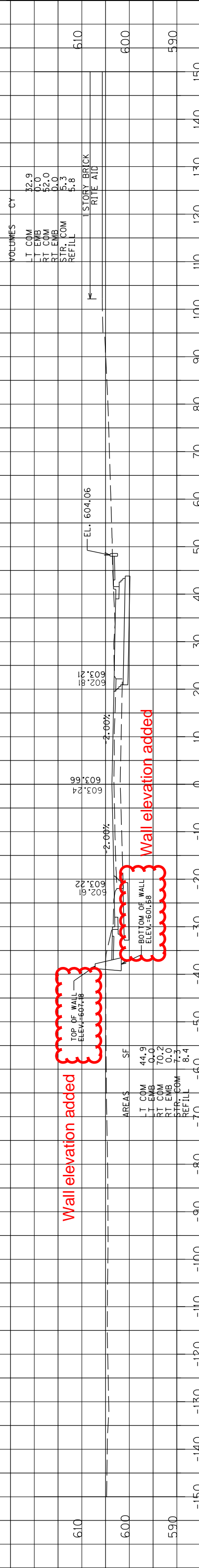
SCALE 1" = 10'

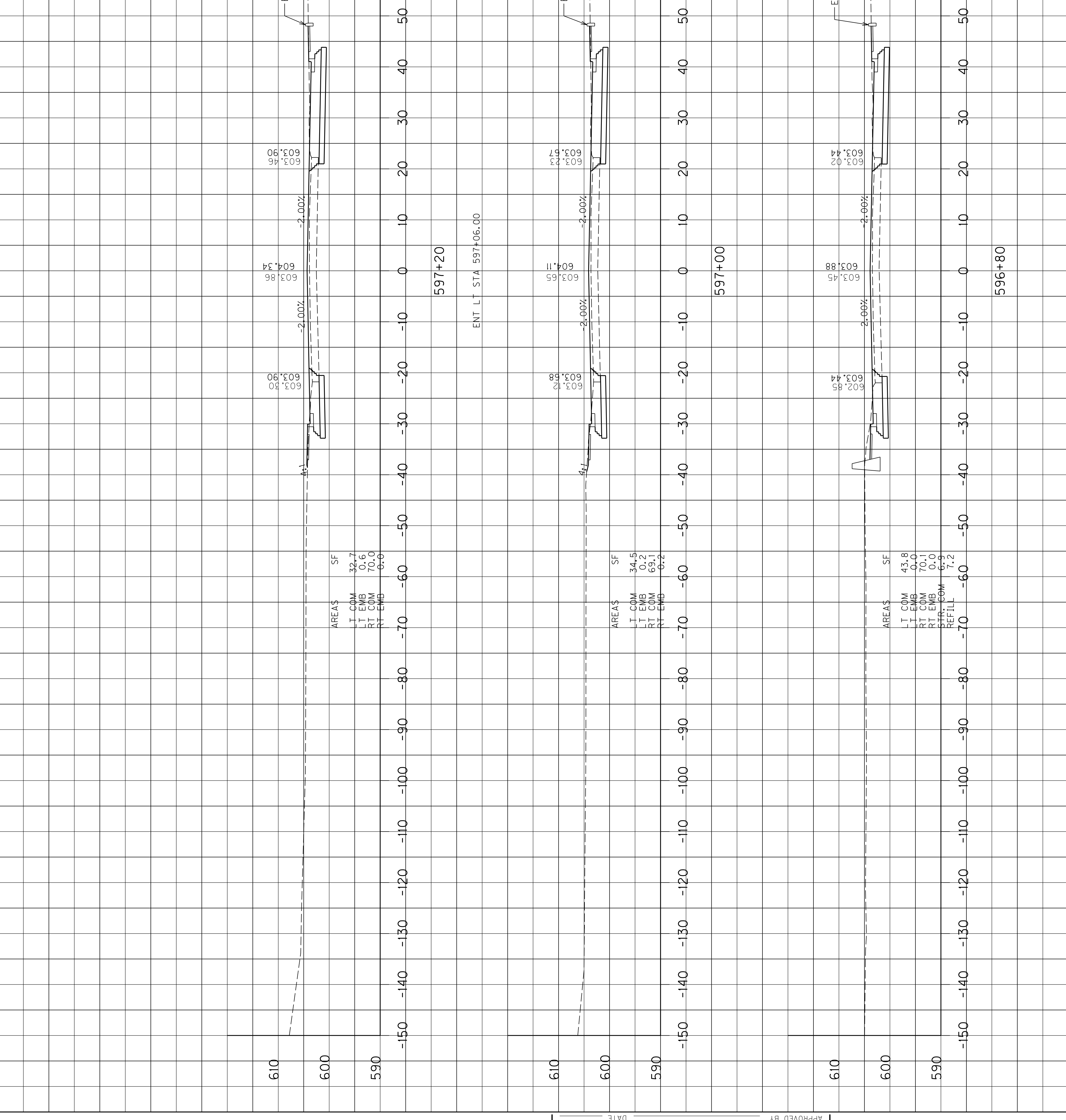












VOLUMES CY

LT COM 24.7  
LT EMB 0.9  
RT COM 51.6  
RT EMB 0.0  
STR. COM 1.3  
REFILL 1.3

1 STORY BRICK  
RITE AID

ENT LT STA 597+06.00

VOLUMES CY

LT COM 24.9  
LT EMB 0.3  
RT COM 51.5  
RT EMB 0.0

1 STORY BRICK  
RITE AID

VOLUMES CY

LT COM 29.0  
LT EMB 0.1  
RT COM 51.6  
RT EMB 0.0  
STR. COM 1.5  
REFILL 1.7

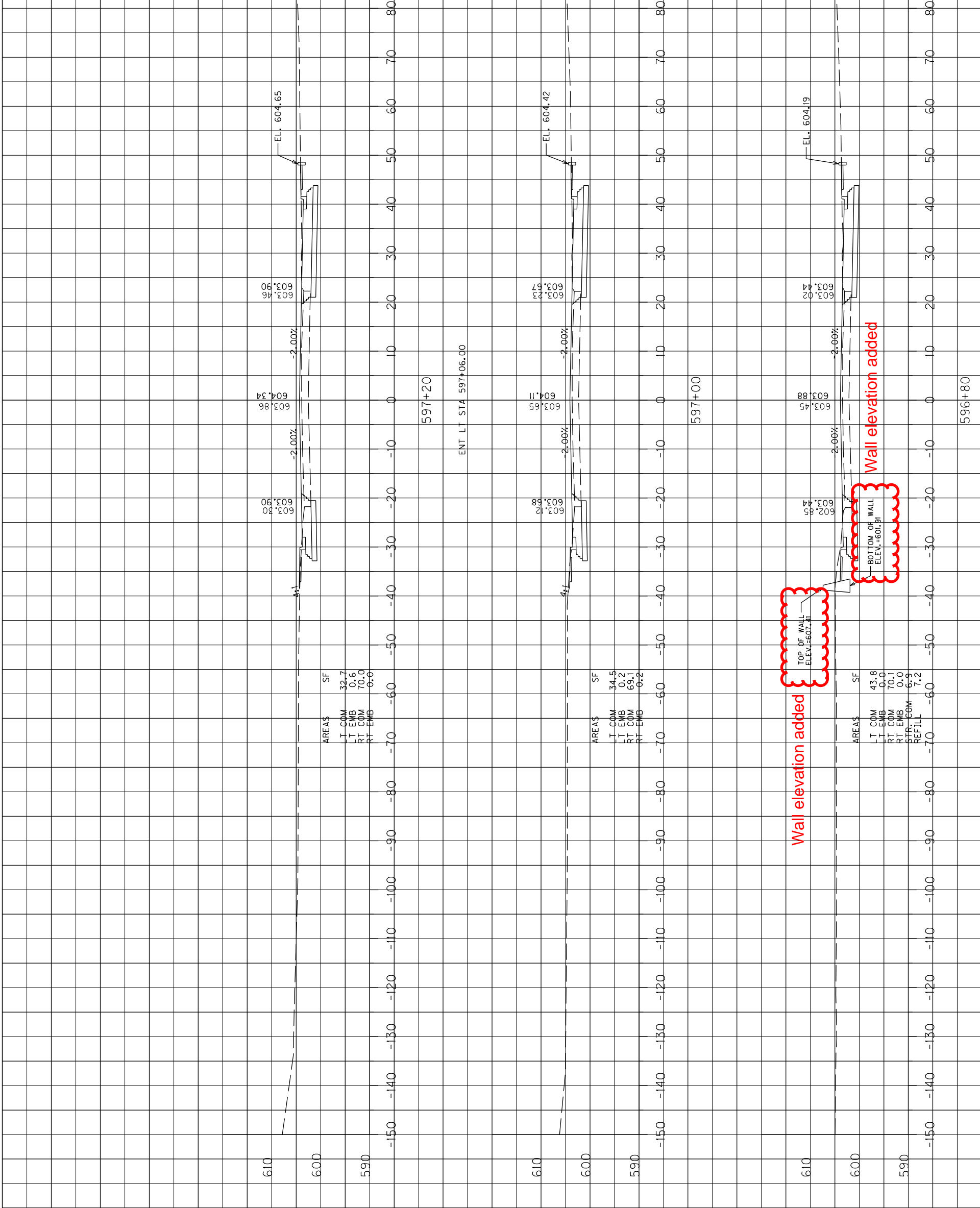
1 STORY BRICK  
RITE AID

SCALE 1" = 10'

KY 1/7 CAROL MALONE BLVD  
STA. 596+80 TO STA. 597+20

PREPARED BY \_\_\_\_\_ DATE \_\_\_\_\_  
CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_  
APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_

Cell Library: Kyt.cel  
DD-MMM-YYYY HH:MM



VOLUMES CY

LT COM	24.7
LT EMB	0.2
RT COM	31.6
RT EMB	0.0
STR. COM	1.3
REFILL	1.3

AREAS SF

LT COM	32.7
LT EMB	0.6
RT COM	70.0
RT EMB	0.0

VOLUMES CY

LT COM	24.9
LT EMB	0.2
RT COM	31.5
RT EMB	0.0

AREAS SF

LT COM	34.5
LT EMB	0.2
RT COM	69.1
RT EMB	0.2

VOLUMES CY

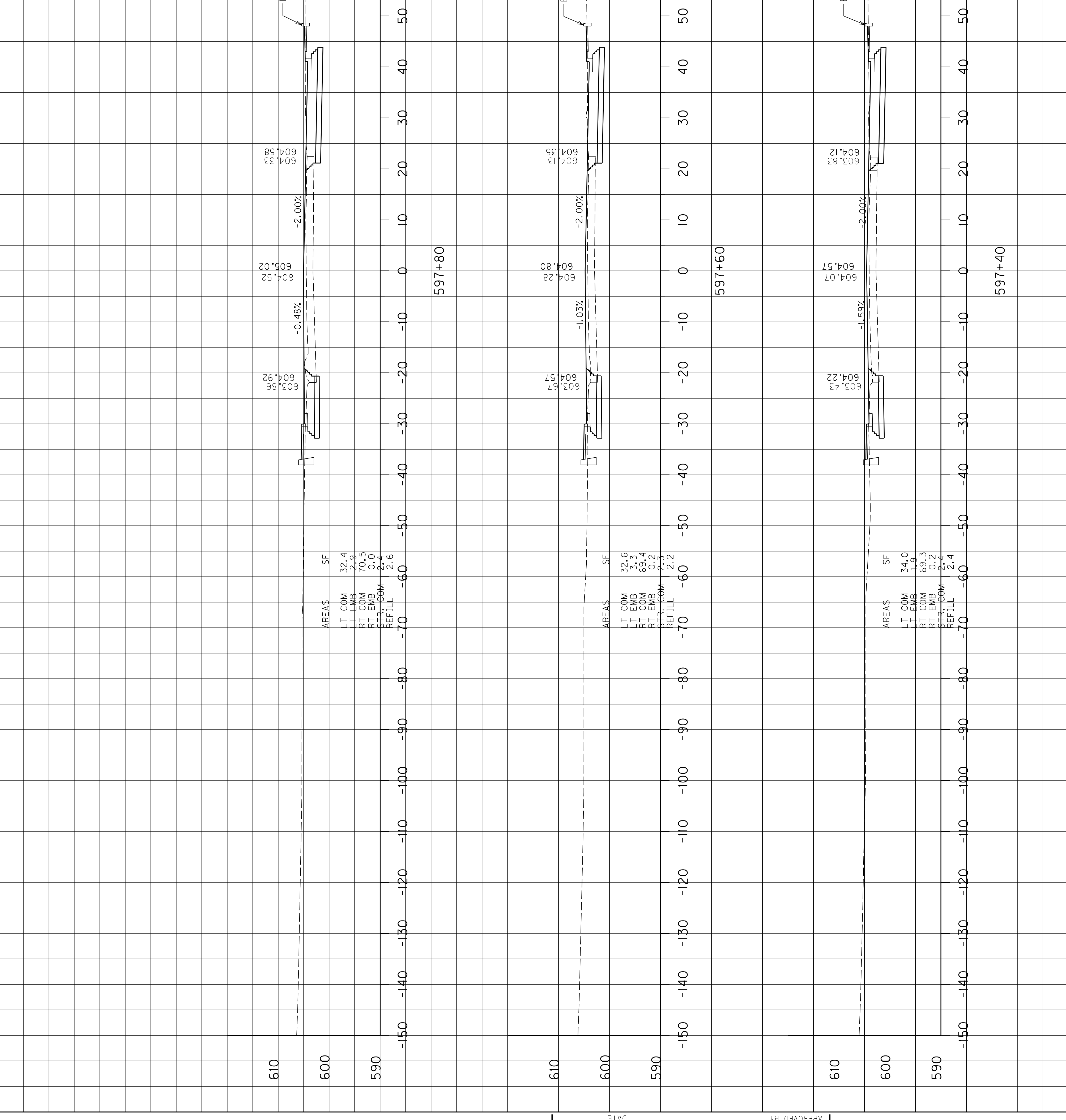
LT COM	29.0
LT EMB	0.1
RT COM	31.6
RT EMB	0.0
STR. COM	1.6
REFILL	1.7

AREAS SF

LT COM	43.8
LT EMB	0.0
RT COM	70.1
RT EMB	0.0
STR. COM	6.9
REFILL	7.2

Wall elevation added

Wall elevation added



VOLUMES - CY

LT COM	24.0
RT EMB	1.9
RT COM	53.3
RT EMB	0.0
STR. COM	1.8
REFILL	2.0

AREAS - SF

LT COM	32.4
LT EMB	2.9
RT COM	70.5
RT EMB	0.0
STR. COM	2.4
REFILL	2.6

VOLUMES - CY

LT COM	24.1
RT EMB	2.3
RT COM	51.8
RT EMB	0.0
STR. COM	1.7
REFILL	1.8

AREAS - SF

LT COM	32.6
LT EMB	3.3
RT COM	69.4
RT EMB	0.2
STR. COM	2.2
REFILL	2.2

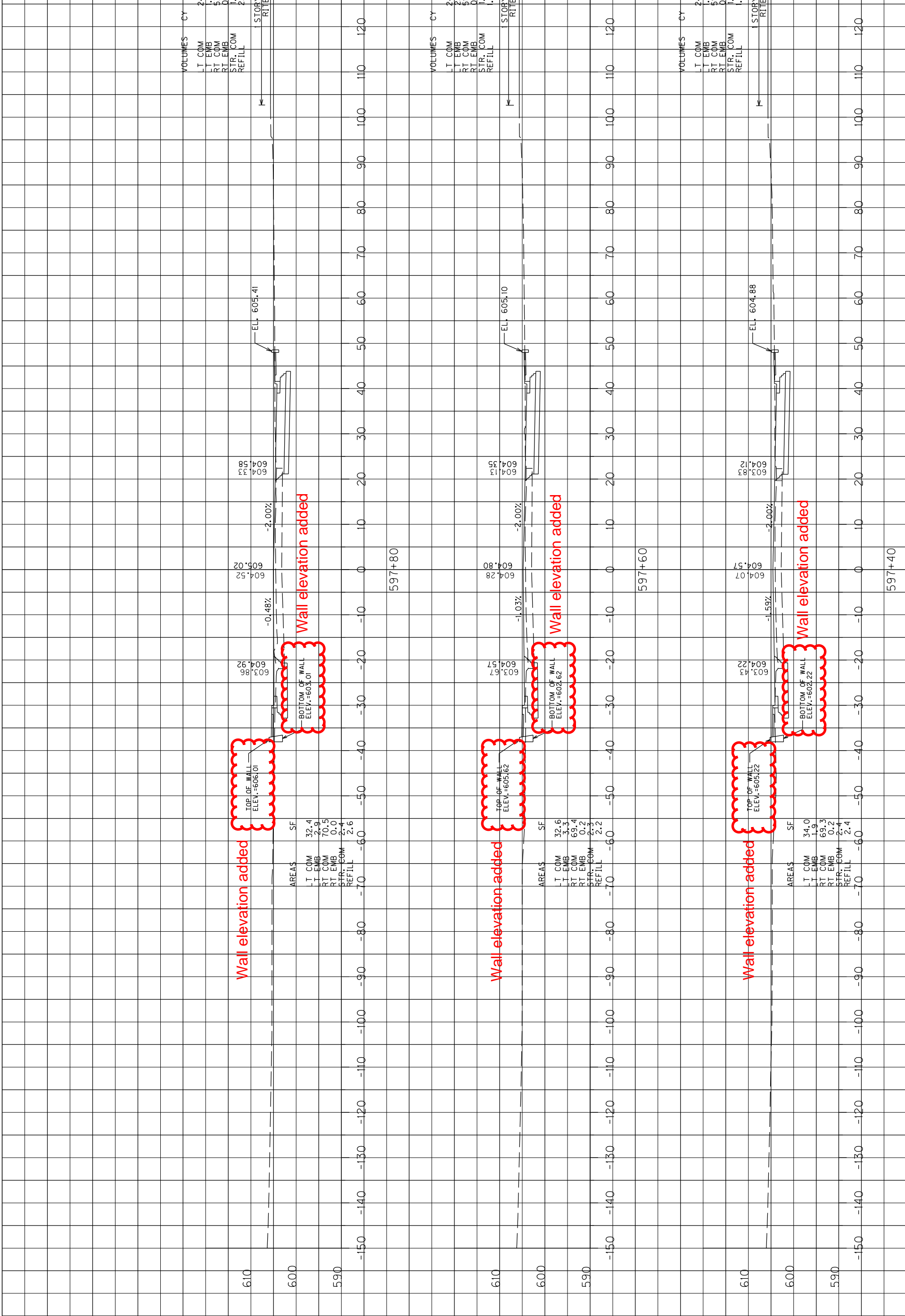
VOLUMES - CY

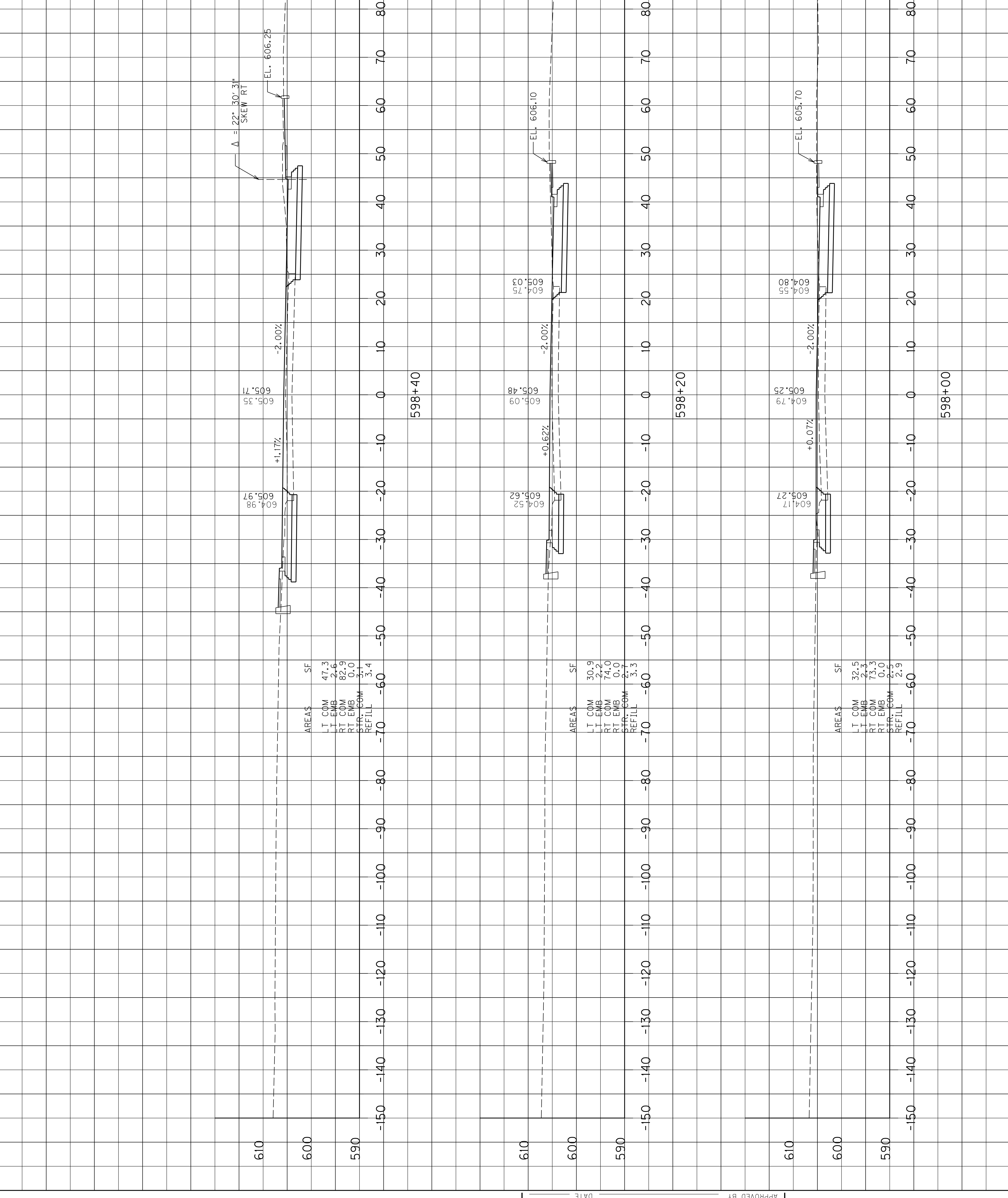
LT COM	24.7
RT EMB	1.9
RT COM	51.4
RT EMB	0.0
STR. COM	1.7
REFILL	1.7

AREAS - SF

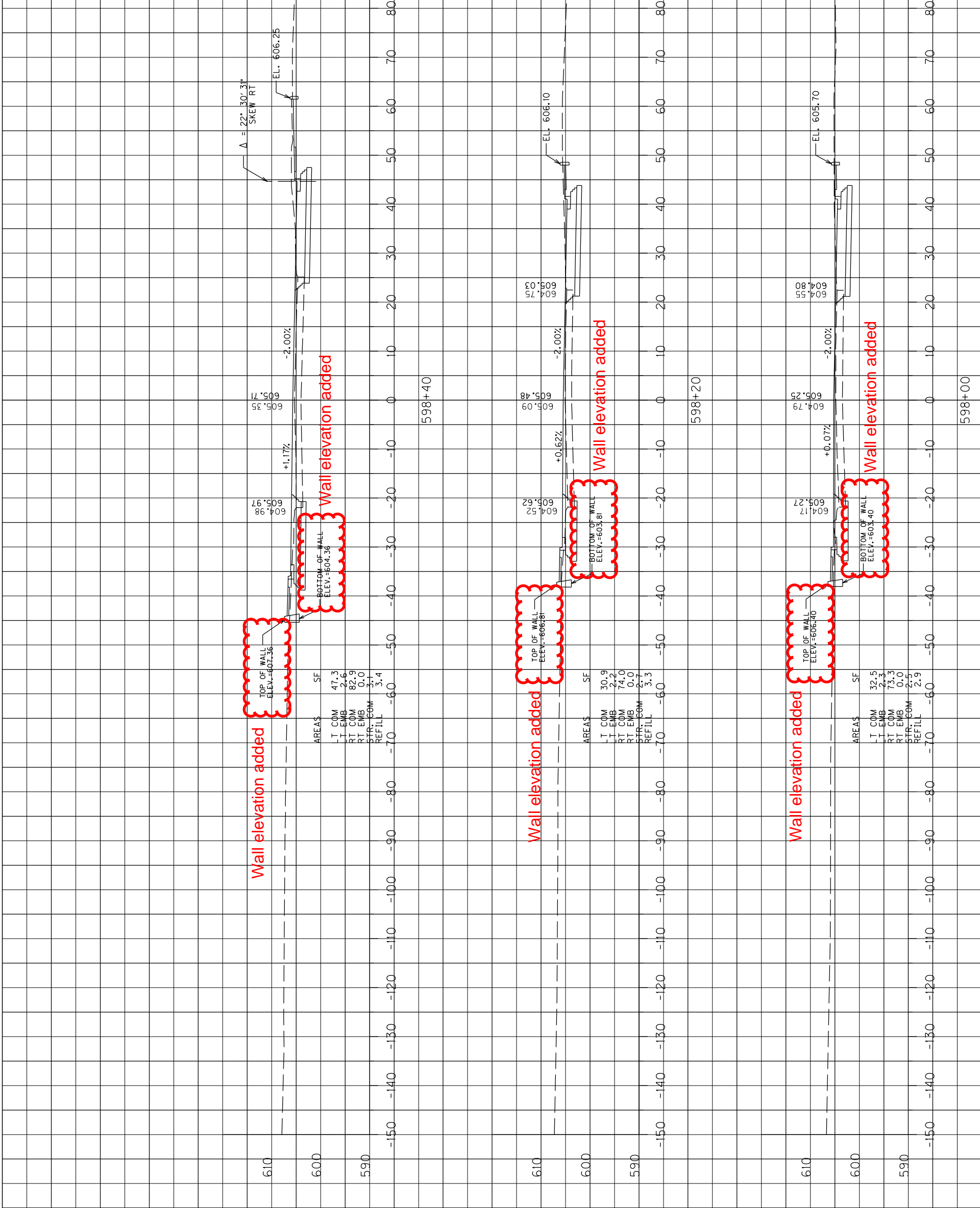
LT COM	34.0
LT EMB	1.9
RT COM	69.3
RT EMB	0.2
STR. COM	2.4
REFILL	2.4







STATION	LT COM	LT EMB	RT COM	RT EMB	STR. COM	REFILL	VOLUMES - CY
598+00	35.6	0.0	50.7	0.0	1.1	1.3	610
598+40	29.0	1.8	58.1	0.0	2.1	2.5	610
598+20	23.5	1.7	54.6	0.0	1.9	2.3	610



Wall elevation added

TOP OF WALL  
ELEV.=607.36

AREAS SF

LT COM 47.3  
LT EMB 2.6  
RT COM 82.9  
RT EMB 0.0  
STR. COM 3.1  
REFILL 3.4

BOTTOM OF WALL  
ELEV.=604.36

Wall elevation added

Wall elevation added

TOP OF WALL  
ELEV.=606.81

AREAS SF

LT COM 30.9  
LT EMB 2.2  
RT COM 74.0  
RT EMB 0.0  
STR. COM 2.7  
REFILL 3.3

BOTTOM OF WALL  
ELEV.=603.81

Wall elevation added

Wall elevation added

TOP OF WALL  
ELEV.=606.40

AREAS SF

LT COM 32.5  
LT EMB 2.3  
RT COM 73.3  
RT EMB 0.0  
STR. COM 2.5  
REFILL 2.9

BOTTOM OF WALL  
ELEV.=603.40

Wall elevation added

598+40

598+20

598+00

SCALE 1" = 10'