

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED
FEDERAL AID URBAN SYSTEM

SALINE COUNTY

F.A.U. ROUTE 9545 (LIBERTY ROAD)
SECTION 03-00133-00-RP
PROJ RS-165(23)
C-99-537-04

**SALINE COUNTY
LIBERTY ROAD**

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9545	03-00133-00-RP	SALINE	43	1
SALINE COUNTY		LIBERTY ROAD		

CONTRACT NO. 99274

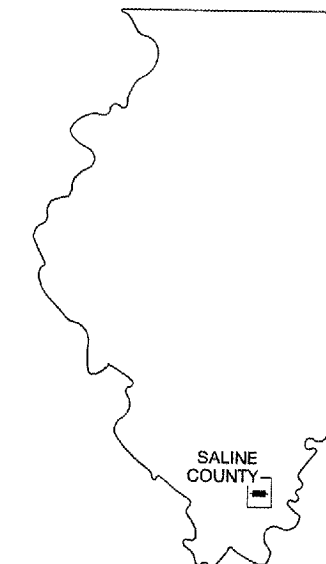
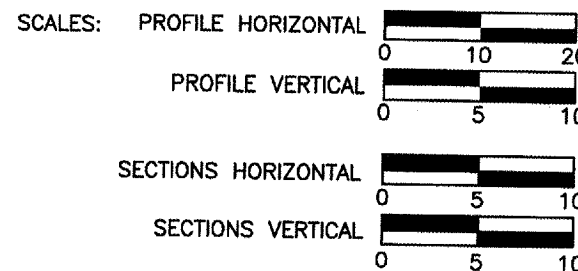
FUNCTIONAL CLASS, COLLECTOR
ADT (02) = 1500
DESIGN SPEED = 30 M.P.H.

INDEX OF SHEETS

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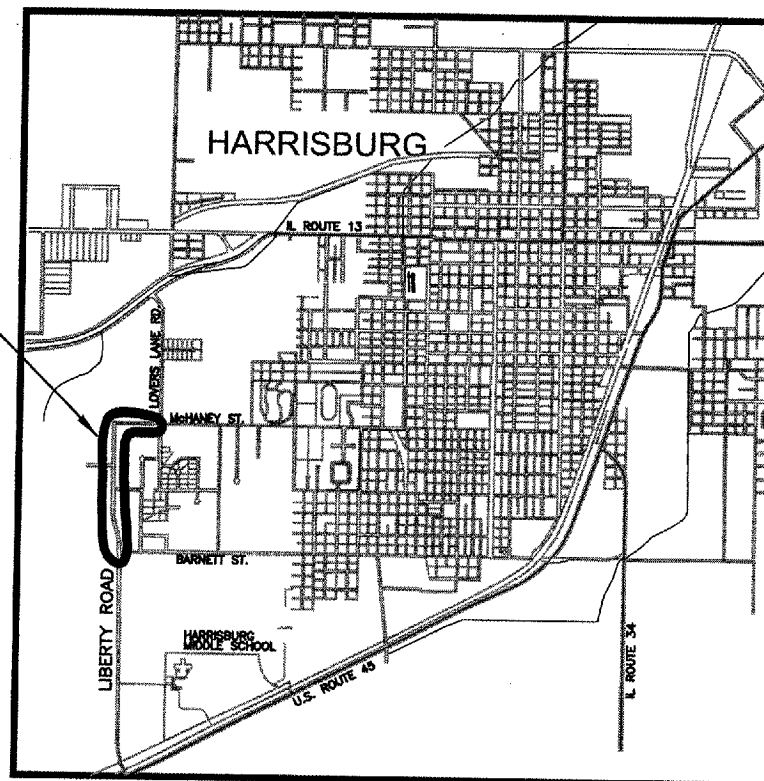


LOCATION OF SECTION INDICATED THUS -



J.W. Brown
J.W. BROWN, PRESIDENT NOVEMBER 6, 2006
ILLINOIS PROFESSIONAL DESIGN FIRM
LAND SURVEY & PROF. ENG. CORP
NUMBER 184-002518
EXPIRES APRIL 30, 2007

PROPOSED IMPROVEMENTS



LOCATION MAP APPROXIMATE SCALE: 1"=4,000'
LENGTH OF IMPROVEMENT = 3,504 FEET (0.66 MILES)

ALL EXISTING UTILITIES AND LOCATIONS TO BE
CONFIRMED BY J.U.L.I.E. 800-892-0123

BR BROWN & ROBERTS, INC.
CONSULTING ENGINEERS & LAND SURVEYORS
1 WEST RIDGE ROAD HARRISBURG, IL 62946 (618) 252-8111

JOB NO. 03-060 CONTRACT NO. 99274

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED 11-06 2006
[Signature]
LOCAL AGENCY REPRESENTATIVE

PASSED 11/09 2006
Dennis W. Hillel
ENGINEER OF LOCAL ROADS AND STREETS

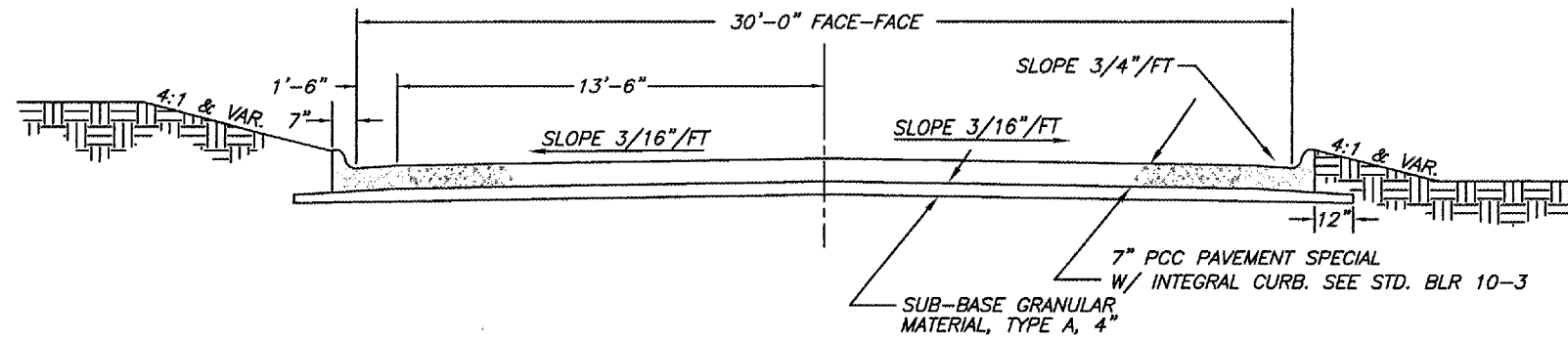
APPROVED Nov 9th 2006
Mary C. Lame
MARY C. LAMIE, P.E.
DEPUTY DIRECTOR OF HIGHWAYS
REGION FIVE ENGINEER

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9545	03-00133-00-RP	SALINE	43	2
SALINE COUNTY		LIBERTY ROAD		

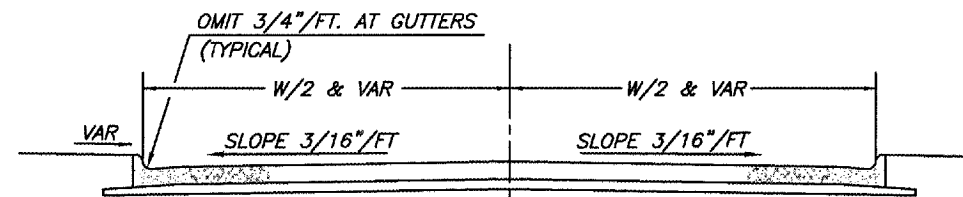
CONTRACT NO. 99274

PAVEMENT DESIGN DATA

CLASS II STREET
DESIGN PERIOD - 20 YEARS
STRUCTURAL DESIGN TRAFFIC (SDT)
YEAR - 2025
P.C. - 1985
S.U. - 30
M.U. - 15
PERCENT OF PAVEMENT S.D.T IN DESIGN LANE
P.C. 50 S.U. 50 M.U. 50
SOIL SUPPORT VALUE (I.B.R.) - 2.0
TRAFFIC FACTOR (T.F.) - 0.1
PAVEMENT STRUCTURE MATERIALS:
P.C.C. PAVEMENT MINIMUM THICKNESS 7 INCHES



TYPICAL ROADWAY SECTION
NO SCALE

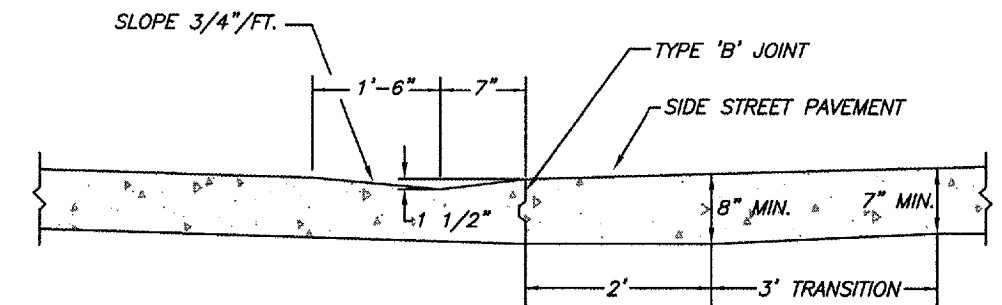


SIDE STREET TYPICAL SECTION
NO SCALE

TO BE USED AT SIDE STREETS & ENTRANCE

FOR OTHER NOTES AND DIMENSIONS SEE ABOVE TYPICAL SECTION.

LOCATION	WIDTH
GIBBONS ROAD	20'
OLD GAIN ROAD	22'
ENTRANCE @ STA. 76+00	20'

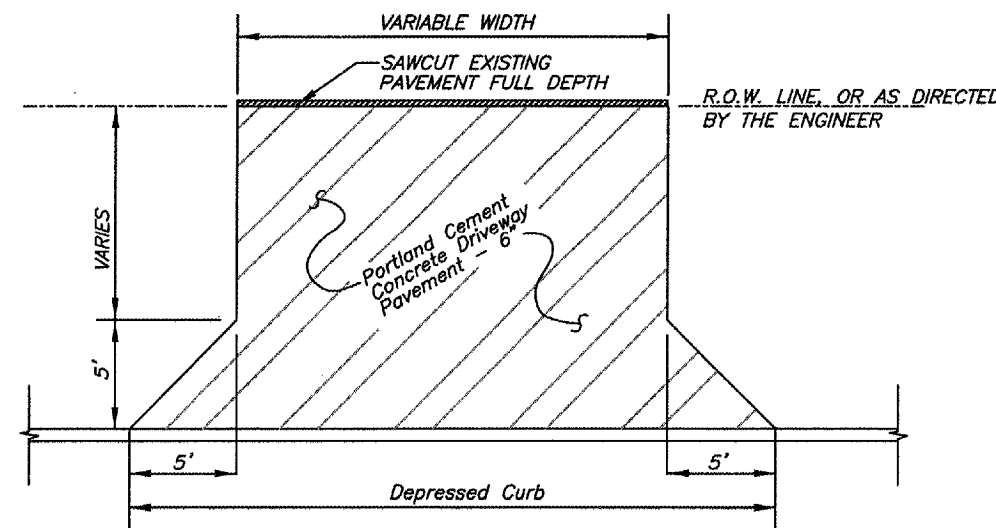


DEPRESSED CURB
NO SCALE

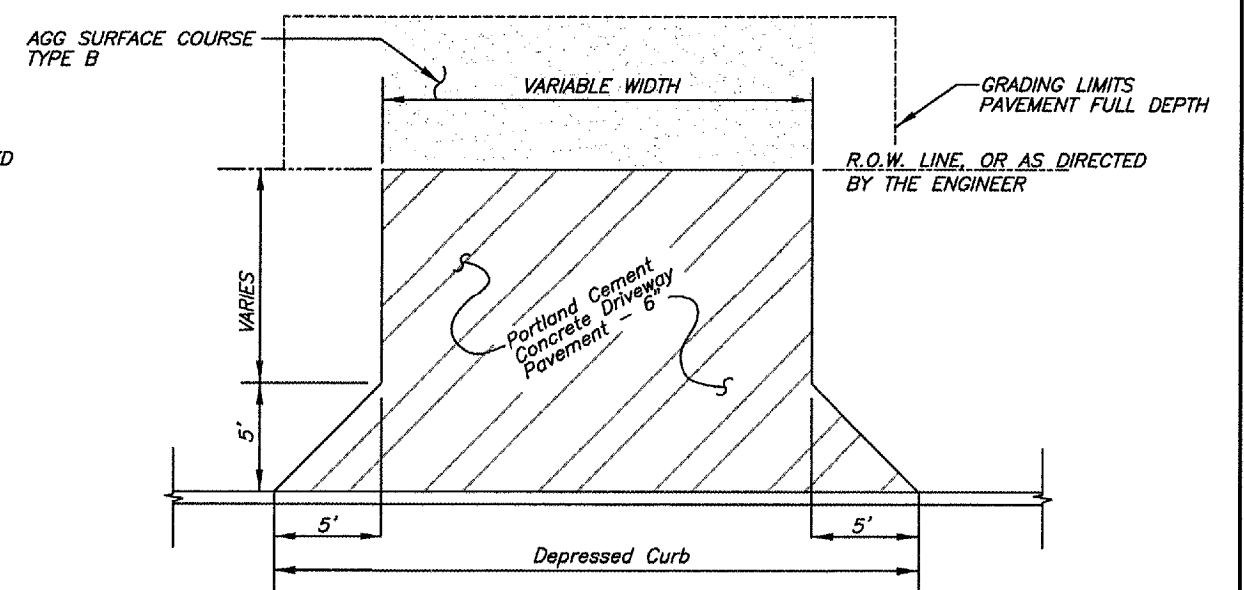
TO BE USED ADJACENT TO CITY STREETS & PRIVATE ENTRANCES
FOR JOINT 'B' DETAILS, SEE STANDARD BLR 10-3

LEGEND

- EDGE OF EXISTING ROADWAY
- [P] EXISTING TELEPHONE PEDESTAL
- [■] EXISTING UTILITY POLE
- [⊙] EXISTING WATER METER
- [■] EXISTING GRAVE HEADSTONE
- [⊗] EXISTING CEMETERY MARKER
- [Z] EXISTING CULVERT TO BE REMOVED
- [○] PROPOSED INLET, TYPE 3, 5'
- [■] PROPOSED INLET SPECIAL, TYPE A WITH TYPE 3V FRAME & GRATE
- PROPOSED STORM SEWER
- E— EXISTING UNDERGROUND ELECTRIC LINE
- OHE— EXISTING OVERHEAD UTILITY LINE
- T— EXISTING UNDERGROUND TELEPHONE
- GAS— EXISTING GAS LINE
- CATV— EXISTING CABLE TV LINE
- W— EXISTING WATERMAIN
- ⊙ EXISTING HYDRANT
- CONSTRUCTION LIMITS
- ×× EXISTING FENCE
- MBI EXISTING MAILBOX
- PROPOSED DEPRESSED CURB
- EXISTING CONCRETE TO BE REMOVED
- ◇ PROPOSED DITCH CHECK
- PROPOSED PERIMETER EROSION CONTROL
- EXISTING TREE TO REMAIN
- EXISTING TREE TO BE REMOVED



EXISTING PERMANENT PAVEMENT ENTRANCE DETAIL
NOT TO SCALE



EXISTING GRAVEL ENTRANCE DETAIL
NOT TO SCALE

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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9545	03-00133-00-RP	SALINE	43	4
SALINE COUNTY		CLEVELAND STREET		

CONTRACT NO. 99274

DRIVEWAY PAVEMENT SCHEDULE

* LOCATION	EXIST. SURFACE	DRIVEWAY PAVT. REMOVAL			PCC DRIVEWAY PAVT. 6"		
		LENGTH	WIDTH	SQ. YD.	LENGTH	WIDTH	SQ. YD.
50+42 RT	AGG.	-	-	-	9.4'	12'	15.3
51+32 LT	AGG.	-	-	-	9.4'	12'	15.3
52+54 LT	AGG.	-	-	-	9.4'	12'	15.3
52+67 RT	AGG.	-	-	-	9.4'	12'	15.3
52+90 RT	AGG./CONC.	8.6	10.8	10.1	9.4'	24'	27.9
54+18 LT	AGG.	-	-	-	9.4'	12'	15.3
55+20 RT	AGG.	-	-	-	9.4'	12'	15.3
56+05 LT	NONE	-	-	-	9.4'	12'	15.3
56+42 LT	AGG.	-	-	-	9.4'	12'	15.3
56+49 LT	NONE	-	-	-	9.4'	12'	15.3
56+50 RT	AGG.	-	-	-	9.4'	12'	15.3
57+48 RT	AGG.	-	-	-	9.4'	12'	15.3
59+95 RT	AGG.	-	-	-	9.4'	12'	15.3
62+72 LT	BIT.	17	20	37.8	9.4'	20'	23.7
63+41 LT	BIT.	15.5	20.2	34.8	9.4'	20'	23.7
63+71 RT	AGG.	-	-	-	9.4'	20'	23.7
64+83 RT	AGG.	-	-	-	9.4'	12'	15.3
65+55 RT	AGG.	-	-	-	9.4'	12'	15.3
66+80 RT	AGG.	-	-	-	9.4'	12'	15.3
67+88 RT	AGG.	-	-	-	9.4'	12'	15.3
70+09 RT	AGG.	-	-	-	9.4'	12'	15.3
70+39 RT	AGG.	-	-	-	9.4'	12'	15.3
72+03 LT	NONE	-	-	-	9.4'	12'	15.3
73+26 RT	AGG.	-	-	-	9.4'	12'	15.3
78+08 RT	AGG.	-	-	-	9.4'	12'	15.3
79+64 RT	NONE	-	-	-	9.4'	20'	23.7
80+75 RT	AGG.	-	-	-	9.4'	12'	15.3
81+82 RT	CONC.	15	13.9	23.2	9.4'	12'	15.3
82+58 RT	NONE	-	-	-	9.4'	12'	15.3
82+91 RT	AGG.	-	-	-	9.4'	12'	15.3

TOTAL DRIVEWAY PAVEMENT REMOVAL AND REPLACEMENT 105.9 505.2

* EXACT LOCATION TO BE DESIGNATED BY THE ENGINEER

PAINT PAVEMENT MARKING LINE (FEET)

LOCATION	CROSSWALK 6" WHITE	STOP BAR 12" WHITE	SKIP DASH 4" YELLOW
CENTERLINE 49+33 TO 84+70	-	-	900'
STA. 62+88 TO 63+00, 22' RT	-	12'	-
STA. 67+53 TO 67+68, 22' LT	-	15'	-
TOTAL PAVEMENT MARKING	-	27'	900'

SIGNING SCHEDULE

APPROXIMATE LOCATION	TYPE	NO.	SIGN SQ. FT.	POSTS FOOT
52+00, 17'LT	NO PARKING	R7-(12X18)	1.50	13.5
55+50, 17'RT	NO PARKING	R7-(12X18)	1.50	13.5
63+05, 23'RT	STOP	R1-1 (30")	6.25	14.5
67+58, 24'LT	STOP	R1-1 (30")	6.25	14.5
69+00, 17'LT	NO PARKING	R7-(12X18)	1.50	13.5
84+10, 17'RT	NO PARKING	R7-(12X18)	1.50	13.5
TOTAL SIGN AND POST QUANTITIES			18.5	83.0

WATER SERVICE LINE 3/4"

LOCATION	FOOT
55+70 WEST	55
75+00 EAST	10
75+50 WEST	90
76+00 EAST	20

TOTAL QUANTITIES 175

PCC PAVEMENT 7" SPECIAL W/IC

LOCATION	AREA (SQ. YD.)
LIBERTY ROAD MAINLINE 49+66 TO 84+70	12,133
GIBBONS ROAD INTERSECTION	69
OLD CAIN ROAD INTERSECTION	167
ENTRANCE AT STA. 75+98 (LT)	231
TOTAL PCC PAVEMENT 7" SPECIAL W/IC	12,600

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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9545	03-00133-00-RP	SALINE	43	5
SALINE COUNTY		LIBERTY ROAD		

CONTRACT NO. 99274

DRAINAGE STRUCTURE SCHEDULE

	STATION	OFFSET	SIDE	STRUCTURE TYPE	TOP OF CASTING ELEVATION	FLOWLINE ELEVATION
1	49+75	16.83	LT.	INLET SPECIAL, TYPE 3, 5'	435.19	432.19
2	50+25	16.83	LT.	INLET SPECIAL, TYPE 3, 5'	434.62	431.94
3	50+73	16.83	LT.	INLET SPECIAL, TYPE 3, 5'	434.40	431.65
4	50+73	16.83	RT.	INLET SPECIAL, TYPE 3, 5'	434.40	431.46
5	51+07	16.83	LT.	INLET SPECIAL, TYPE 3, 5'	434.50	431.44
6	51+07	16.83	RT.	INLET SPECIAL, TYPE 3, 5'	434.50	430.14
6A	51+07	30	RT.	PRC FLARED END SECTION, 18"	-	429.65
7	51+48	16.83	LT.	INLET SPECIAL, TYPE 3, 5'	434.76	431.76
8	53+00	16.83	LT.	INLET SPECIAL, TYPE 3, 5'	434.33	431.33
9	53+95	16.83	LT.	INLET SPECIAL, TYPE 3, 5'	432.78	429.78
10	53+95	16.83	RT.	INLET SPECIAL, TYPE 3, 5'	432.78	429.94
11	54+90	16.83	LT.	INLET SPECIAL, TYPE 3, 5'	430.97	427.97
12	56+20	16.83	LT.	INLET SPECIAL, TYPE 3, 5'	429.44	426.44
13	56+20	16.83	RT.	INLET SPECIAL, TYPE 3, 5'	429.44	425.68
13A	56+15.25	28.50	RT.	PRC FLARED END SECTION, 18"	-	425.40
14	56+88	16.83	LT.	INLET SPECIAL, TYPE 3, 5'	429.20	426.18
15	56+88	16.83	RT.	INLET SPECIAL, TYPE 3, 5'	429.20	426.02
16	58+00	16.83	LT.	INLET SPECIAL, TYPE 3, 5'	429.73	426.73
17	58+00	16.83	RT.	INLET SPECIAL, TYPE 3, 5'	429.73	426.58
18	59+00	14.58	LT.	INLET, TYPE A, SPECIAL	430.41	427.41
19	61+50	14.58	LT.	INLET, TYPE A, SPECIAL	430.45	427.45
20	61+50	16.83	RT.	INLET SPECIAL, TYPE 3, 5'	430.45	427.30
21	63+15	14.58	LT.	INLET, TYPE A, SPECIAL	429.44	426.44
22	63+15	16.83	RT.	INLET SPECIAL, TYPE 3, 5'	429.44	426.29
23	64+50	14.58	LT.	INLET, TYPE A, SPECIAL	427.25	424.25
24	64+50	16.83	RT.	INLET SPECIAL, TYPE 3, 5'	427.25	424.10
25	66+00	14.58	LT.	INLET, TYPE A, SPECIAL	423.95	420.95
26	66+00	16.83	RT.	INLET SPECIAL, TYPE 3, 5'	423.95	420.80
27	67+25	14.58	LT.	INLET, TYPE A, SPECIAL	420.56	417.56
28	67+25	16.83	RT.	INLET SPECIAL, TYPE 3, 5'	420.56	417.41
29	68+25	16.83	LT.	INLET SPECIAL, TYPE 3, 5'	416.97	413.97
30	68+25	16.83	RT.	INLET SPECIAL, TYPE 3, 5'	416.97	413.82

	STATION	OFFSET	SIDE	STRUCTURE TYPE	TOP OF CASTING ELEVATION	FLOWLINE ELEVATION
31	69+65	16.83	LT.	INLET SPECIAL, TYPE 3, 5'	411.05	408.05
32	69+65	16.83	RT.	INLET SPECIAL, TYPE 3, 5'	411.05	407.90
33	71+05	16.83	LT.	INLET SPECIAL, TYPE 3, 5'	406.46	403.46
34	71+05	16.83	RT.	INLET SPECIAL, TYPE 3, 5'	406.46	403.31
35	72+50	16.83	LT.	INLET SPECIAL, TYPE 3, 5'	403.70	400.70
36	72+50	16.83	RT.	INLET SPECIAL, TYPE 3, 5'	403.70	400.05
37	74+75	16.83	RT.	INLET SPECIAL, TYPE 3, 5'	400.10	397.00
37A	75+37.50	16.83	RT.	INLET SPECIAL, TYPE 3, 5'	399.35	396.25
38	76+00	17.08	RT.	INLET SPECIAL, TYPE 3, 5'	398.60	395.50
38A	76+75	17.08	RT.	INLET SPECIAL, TYPE 3, 5'	397.70	394.62
39	77+50	17.08	RT.	INLET SPECIAL, TYPE 3, 5'	396.84	393.74
40	78+50	17.08	RT.	INLET SPECIAL, TYPE 3, 5'	396.60	392.89
41	79+45	18.08	LT.	INLET SPECIAL, TYPE 3, 5'	396.37	390.07
41A	77+25	28.00	LT.	PRC FLARED END SECTION, 18"	-	394.40
42	79+45	17.08	RT.	INLET SPECIAL, TYPE 3, 5'	396.37	390.16
42A	79+42.40	28.31	RT.	PRC FLARED END SECTION, 42"	-	393.30
43	80+53	16.83	RT.	INLET SPECIAL, TYPE 3, 5'	395.83	392.83
44	80+53	18.08	LT.	INLET SPECIAL, TYPE 3, 5'	395.83	389.96
45	81+61	16.83	RT.	INLET SPECIAL, TYPE 3, 5'	395.29	392.29
46	81+61	18.08	LT.	INLET SPECIAL, TYPE 3, 5'	395.29	389.85
47	82+75	16.83	RT.	INLET SPECIAL, TYPE 3, 5'	394.72	391.72
48	82+75	18.62	LT.	INLET SPECIAL, TYPE 3, 5'	394.72	389.07
49	83+77	16.83	RT.	INLET SPECIAL, TYPE 3, 5'	394.28	391.28
49A	84+70	21.00	RT.	PRC FLARED END SECTION, 12"	-	393.49
50	83+77	18.62	LT.	INLET SPECIAL, TYPE 3, 5'	394.28	388.97
50A	84+54	23	LT.	PRC FLARED END SECTION, 54"	-	388.89

STORM SEWER SCHEDULE

NOTE: * QUANTITY INCLUDES ADDITIONAL TRENCH BACKFILL BENEATH DRIVEWAY.
 + ONLY PARTIAL LENGTH OF PIPE RUN RECEIVES TRENCH BACKFILL, SEE PLANS.

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9545	03-00133-00-RP	SALINE	43	6
SALINE COUNTY		LIBERTY ROAD		

CONTRACT NO. 99274

POINT TO POINT	STORM SEWERS, CLASS A, TYPE 1 (FOOT)								CLASS B 12"	% SLOPE (CTR-CTR)	TRENCH BACKFILL CU. YDS.
	12"	15"	18"	21"	24"	42"	48"	54"			
1-2	43								0.50	3.0	
2-3	43								0.60	2.2	
3-5		29							0.62	1.7	
4-6	30								0.50	4.5	
5-6		31							3.88	4.6	
7-5	35								0.78	4.5*	
6-6A			6						3.70	-	
8-9	90								1.63	6.2	
10-9	31								0.50	2.4	
9-11		88							1.96	7.6*	
11-12		122							1.20	10.0*	
12-13		31							2.26	3.5	
13-13A			6						2.26	-	
14-15	31								0.50	2.9	
15-13		63							0.50	9.2*	
18-16	100								0.66	8.5	
16-17	31								0.50	3.9	
17-15	103								0.52	11.8*	
19-20	29								0.50	2.7	
20-22								160	0.62	16.2	
21-22	29								0.50	2.7	
22-24								130	1.60	14.9*	
23-24	29								0.50	2.7	
24-26								145	2.20	17.6*	
25-26	29								0.50	2.7	
26-28	120								2.71	13.7*	
27-28	29								0.50	2.7	
28-30								95	3.59	11.1*	
29-30	31								0.50	2.8	
30-32		135							4.23	11.9	
31-32	31								0.50	2.8	
32-34		135							3.28	14.9*	
33-34	31								0.50	2.8	
34-36		140							2.25	16.5	
35-36		31							1.94	3.3	
36-37			215						1.42	22.9*	
37-37A			53						1.29	3.6	
37A-38			53						1.29	3.6	
38-38A				65					1.26	5.3	
38A-39				65					1.26	5.3	
39-40					92				0.88	10.3*	
40-42					90				2.87	25.4	
42A-42						2			2.71	-	
42-41						31			0.26	17.0	

POINT TO POINT	STORM SEWERS, CLASS A, TYPE 1 (FOOT)								CLASS B 12"	% GRADE	TRENCH BACKFILL CU. YDS.
	12"	15"	18"	21"	24"	42"	48"	54"			
41A-41			218							1.48	58.9 ⁺
41-44								102		0.10	43.7
43-44	31									0.43	2.8
44-46								102		0.10	36.5
45-46	31									0.43	2.8
46-48								108		0.68	38.7
47-48	31									0.43	2.8
48-50								96		0.10	39.7
49-49A	95									2.15	5.6 ⁺
49-50	31									0.43	2.8
50-50A								67		0.10	14.6 ⁺
TOTALS	1114	805	551	130	182	33	312	163	530	-	570.8

TREE REMOVAL SCHEDULE

LOCATION	OFFSET	INCH DIAMETER	
		6"-15"	OVER 15"
50+63	18'RT	-	60
50+92	21'RT	-	60
50+95	17'RT	-	36
51+32	17'RT	12	-
51+39	17'RT	6	-
51+51	19'RT	6	-
51+85	23'RT	-	24
52+23	25'RT	-	18
52+52	25'RT	-	18
56+20	22'LT	12	-
56+22	17'LT	-	18
56+25	22'LT	10	-
57+25	20'RT	10	-
57+35	17'RT	-	28
57+40	20'RT	-	24
57+61	17'RT	-	24
57+71	17'RT	12	-
59+21	16'RT	-	24
59+83	18'RT	-	30
60+02	20'LT	-	48
60+93	21'LT	-	48
63+20	20'RT	12	-
63+35	20'RT	-	18
63+97	18'RT	12	-
64+13	18'RT	-	18
64+55	19'RT	12	-
65+78	26'RT	-	24

LOCATION	OFFSET	INCH DIAMETER	
		6"-15"	OVER 15"
65+94	26'RT	-	30
66+68	25'RT	-	18
66+93	25'RT	12	-
67+09	25'RT	8	-
67+20	25'RT	12	-
67+29	24'RT	6	-
67+37	25'RT	6	-
67+77	25'RT	-	18
68+20	24'RT	12	-
69+37	21'LT	12	-
69+72	24'LT	12	-
69+93	20'RT	-	60
71+15	19'RT	-	18
74-75	34'LT	-	18
75+17	25'RT	-	28
76+19	4'RT	-	24
76+44	12'LT	-	18
76+75	4'RT	6	-
76+89	15'RT	12	-
76+90	15'RT	12	-
76+91	13'RT	12	-
77+07	8'RT	12	-
77+12	8'RT	6	-
77+22	25'RT	12	-
77+25	10'RT	6	-
79+34	23'RT	-	18
79+37	23'RT	6	-

TOTAL TREE REMOVAL (UNITS) 268 770

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9545	03-00133-00-RP	SALINE	43	7
SALINE COUNTY		LIBERTY ROAD		

CONTRACT NO. 99274

STORM SEWER AND STRUCTURE REMOVAL SCHEDULE

LOCATION NUMBER	STATION	OFFSET (FEET)	LENGTH (FEET)					TRENCH BACKFILL (C.Y.)
			8" DIA.	12" DIA.	14" DIA.	15" DIA.	18" DIA.	
1	51+08	15'LT.-17'RT.				32		0
2	51+20 TO 51+44 LT	16.6		24				0
3	54+05 TO 54+30 LT	15.2		24				0.9
4	55+08 TO 55+32 RT	16.4		25				2.4
5	55+95 TO 56+14 LT	13.9		19				0.8
6	56+20	10'LT.-10'RT.			21			0
7	56+40 TO 56+51 LT	15.2		12				0.4
8	56+39 TO 56+59 RT	15.6		20				1.8
9	57+40 TO 57+63 RT	14.9		23				1.2
10	59+85 TO 60+05 RT	14.2		20				0
11	62+57 TO 62+91 LT	12.0		34				0.3
12	63+26 TO 63+59 LT	14.1		33				0.7
13	64+74 TO 64+97 RT	12.4		26				0
14	65+43 TO 65+67 RT	11.4		25				0.5
15	66+71 TO 66+91 RT	9.0		20				1.7
16	67+79 TO 68+00 RT	12.5		21				0.5
17	70+00 TO 70+08± RT	14.5		8				0.3
18	70+08± TO 70+51 RT	13.4		43				3.1
19	73+17 TO 73+38 RT	14.9		21				1.5
20	75+23 TO 75+39 LT	10'LT.-20'LT.	20					3.4
21	77+92 TO 78+20 RT	16.9		28				0
22	79+49 TO 79+78 RT	16.6		29				4.0
23	80+63 TO 80+89 RT	15.9		27				1.8
24	81+74 TO 81+90 RT	15.0		16				0.3
25	82+47 TO 82+68 RT	17.1		20				0
26	82+77 TO 83+08 RT	16.9		31				0
27	84+20 RT TO 84+43 LT	16'RT.-17'LT.					40	6.7
28	84+29 TO 84+56 RT	17.8		27				0.2
29	STRUCTURE @ 78+83	AR BOX						36.1

TOTAL STORM SEWER REMOVAL	20	576	21	32	40	68.1
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STORM WATER POLLUTION PREVENTION PLAN

The following Plan is established and incorporated in the project to direct the Contractor in the placement of temporary erosion control systems and to provide a storm water pollution prevention plan for compliance under NPDES.

The purpose of this plan is to minimize erosion within the construction site and to limit sediments leaving the construction site by utilizing proper temporary erosion control systems and providing ground cover within a reasonable amount of time.

Certain erosion control facilities shall be installed by the Contractor at the beginning of construction. Other items shall be installed as directed by the Engineer on a case by case situation depending on the Contractor's sequence of activities, time of year and expected weather conditions.

The Contractor shall construct permanent erosion control systems and seeding within a time frame specified herein and as directed by the Engineer, therefore minimizing the amount of area susceptible to erosion and reducing the amount of temporary seeding. The engineer will determine if any temporary erosion control systems shown in the plans can be deleted and if any additional temporary erosion control systems, which are not included in the plans, shall be added. The contractor shall perform all work as directed by the Engineer and as shown in STANDARD 280001.

Section 280, Temporary Erosion Control, of the Standard Specifications additionally supplements this plan.

DESCRIPTION OF CONSTRUCTION ACTIVITIES

1. Temporary ditch checks shall be located at every 1.5 feet of fall/rise in ditch grade.

INTENDED SEQUENCE OF MAJOR CONSTRUCTION ACTIVITIES

1. Isolated tree removal. Trees to remain will be protected against damage.
2. Watermain, Sanitary Sewers, Storm Sewers, and Drainage Structures.
3. Excavation and grading.
4. Placement of Aggregate Base Course.
5. Placement on PCC Pavement.
6. Seeding and permanent erosion control systems.

AREA OF CONSTRUCTION SITE

1. The total area of the construction site is estimated to be 4.0 Acres of which approximately 3.7 Acres will be disturbed.

OTHER REPORTS, STUDIES AND PLANS WHICH AID IN THE DEVELOPMENT OF THE SWPPP AS REFERENCED DOCUMENTS.

1. Information of the terrain was obtained from topographic maps.
2. Project plan documents, specifications and special provisions and plan drawings indicating the drainage patterns and location of existing drainage features were utilized in the preparation of the proposed placement of temporary erosion control systems.

DRAINAGE TRIBUTARIES AND SENSITIVE AREAS RECEIVING RUNOFF

1. Proposed storm sewer outlets are tributary to existing roadside ditches. No new discharge points will be constructed.

CONTROLS - EROSION CONTROLS AND SEDIMENT CONTROLS

1. Existing vegetation will be preserved where attainable and disturbed portions of the site will be stabilized. Stabilization practices will include temporary seeding, permanent seeding, mulching, protection of trees, preservation of mature vegetation and other appropriate measures as directed by the Engineer. Stabilization measures shall be initiated as soon as practical in those areas of the site where construction activities have ceased, but in no case more than 7 days after the construction activity for an area has temporarily or permanently ceased.
2. Areas outside the construction limits shall be protected from construction activities.
3. Dead, diseased or unsuitable vegetation within the site shall be removed as directed by the Engineer.
4. As soon as is reasonable, the temporary erosion control system shall be installed as indicated in the plans or as directed by the engineer.

This plan has been prepared with the intent to comply with the provisions of the NPDES Permit Number ILR10, issued by the Illinois Environmental Protection Agency for storm water discharges from construction site activities.

I certify under penalty of law that this plan was prepared at my direction in accordance with a system that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.


Jeff Jones, Saline County Engineer

November 6, 2006

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9545	03-00133-00-RP	SALINE	43	8
SALINE COUNTY		LIBERTY ROAD		

CONTRACT NO. 99274

DESCRIPTION OF STABILIZATION PRACTICES
DURING CONSTRUCTION

1. During construction, areas outside the construction limits shall be protected.
2. Within the construction limits, areas which may be susceptible to erosion as determined by the Engineer shall remain undisturbed until full scale construction is underway.
3. Earth stockpiles shall be temporary seeded if they are to remain unused for more than 14 days.
4. As soon as construction proceeds, the contractor shall institute the following as directed by the Engineer:
 - A) Place temporary erosion control facilities at locations shown in the plans.
 - B) Temporarily seed erodable bare earth on a weekly basis to minimize the amount of erodable surface area within the contract limits.
 - C) Construct roadside ditches and provide temporary erosion control systems.
 - D) Temporarily divert water around proposed culvert locations.
5. Excavated areas shall be permanently seeded immediately after final grading. If not, they shall be temporarily seeded if no construction in the area is planned for 7 days.
6. All necessary measures shall be taken by the contractor to contain any fuel or pollutant in accordance with EPA water quality regulations. Leaking equipment or supplies shall be immediately repaired or removed from the site.
7. The Resident Engineer shall inspect the project daily during construction activities. Inspection shall also be done weekly and after rains of 0.5 inches or greater or equivalent snowfall and during any winter shutdown period.
8. Sediment collected during the construction by the various temporary erosion control systems shall be disposed of on site on a regular basis as directed by the Resident Engineer. The cost of this maintenance shall be considered incidental to the erosion control system.
9. The temporary erosion control systems shall be removed as directed by the Engineer after use is no longer needed or no longer functioning. The cost of removal shall be included in the unit bid price for various temporary erosion control pay items.

DESCRIPTION OF STRUCTURAL PRACTICES
AFTER FINAL GRADING

1. Temporary seeding shall be left in place with proper maintenance until permanent erosion control and all proposed turf areas seeded and established.
2. Once permanent erosion control systems as proposed in the plans are functional and established, temporary items shall be removed, cleaned up and disturbed turf areas reseeded.

MAINTENANCE AFTER CONSTRUCTION

1. Construction is complete after FINAL acceptance by I.D.O.T. final inspection. Maintenance up to this date will be by the contractor.

MISCELLANEOUS

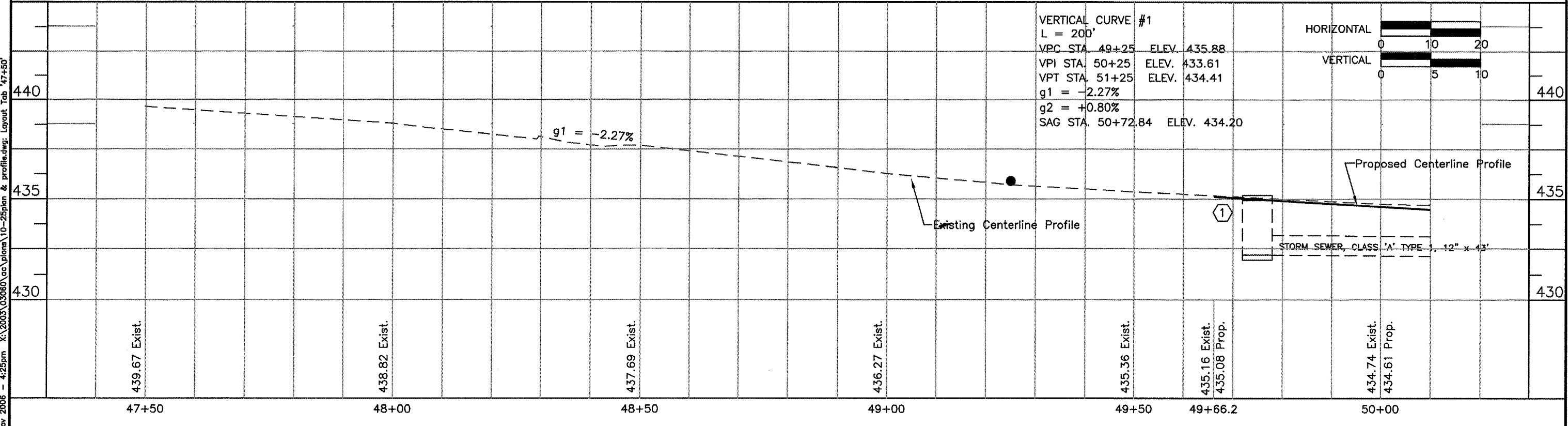
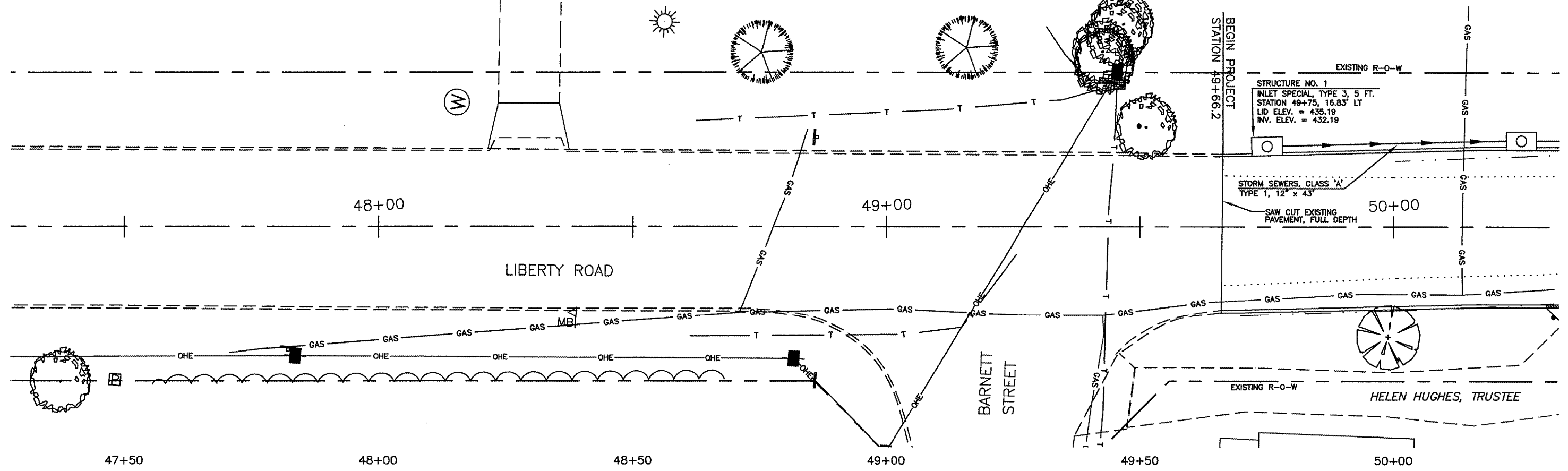
1. Temporary ditch checks shall be located at every 1.5 feet of fall/rise in ditch grade.
2. Temporary erosion control seeding shall be applied at the rate of 100 lbs/acre.
3. Straw bales, hay bales, perimeter erosion control barrier and silt fences will not be permitted for temporary or permanent ditch checks. Ditch checks shall be composed of aggregate, silt panels, rolled excelsior, urethane foam geotextile (silt wedges) and/or other material approved by the erosion and sediment control coordinator.
4. All erosion control products furnished shall be specifically recommended by the manufacturer for the use specified in the erosion control plan. Prior to the approval and use of the product, the contractor shall submit to the Engineer a notarized certification by the producer stating the intended use of the product and the physical properties required for this application are met or exceeded. The contractor shall provide manufacturer installation procedures to facilitate the Engineer in construction inspection.
5. All items shall be constructed as shown on STANDARD 280001 and as directed by the Engineer. Maintenance and cleaning of erosion control items shall be considered part of the respective erosion control pay item.

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9545	03-00133-00-RP	SALINE	43	9
SALINE COUNTY		LIBERTY ROAD		

CONTRACT NO. 99274

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9545	03-00133-00-RP	SALINE	43	10
SALINE COUNTY		LIBERTY ROAD		

CONTRACT NO. 99274



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BRIAN & MELISSA BELT

HORIZONTAL CURVE DATA ①

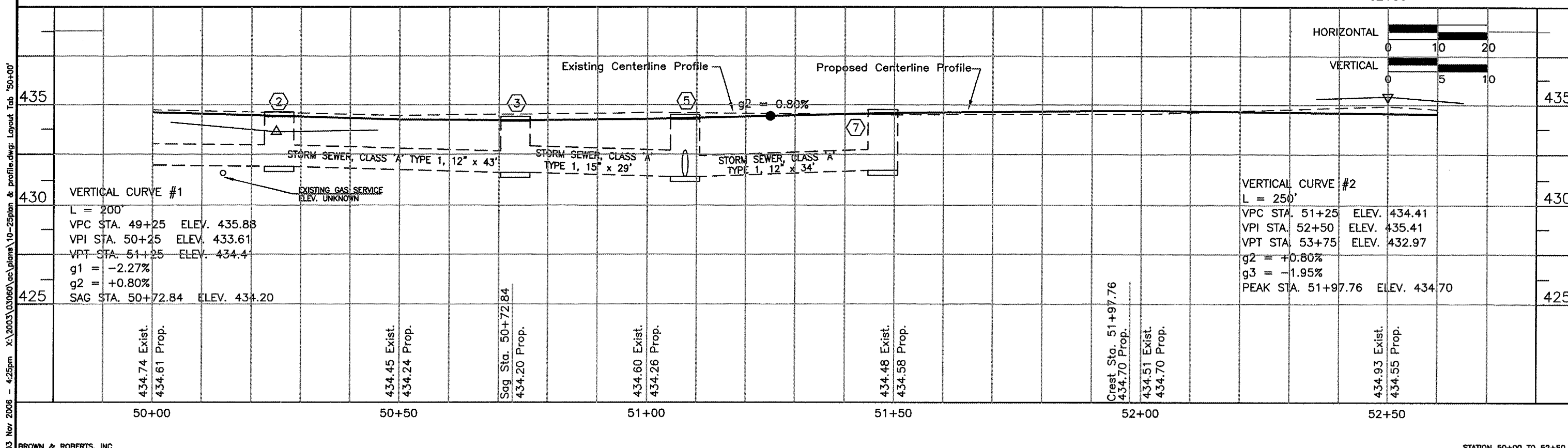
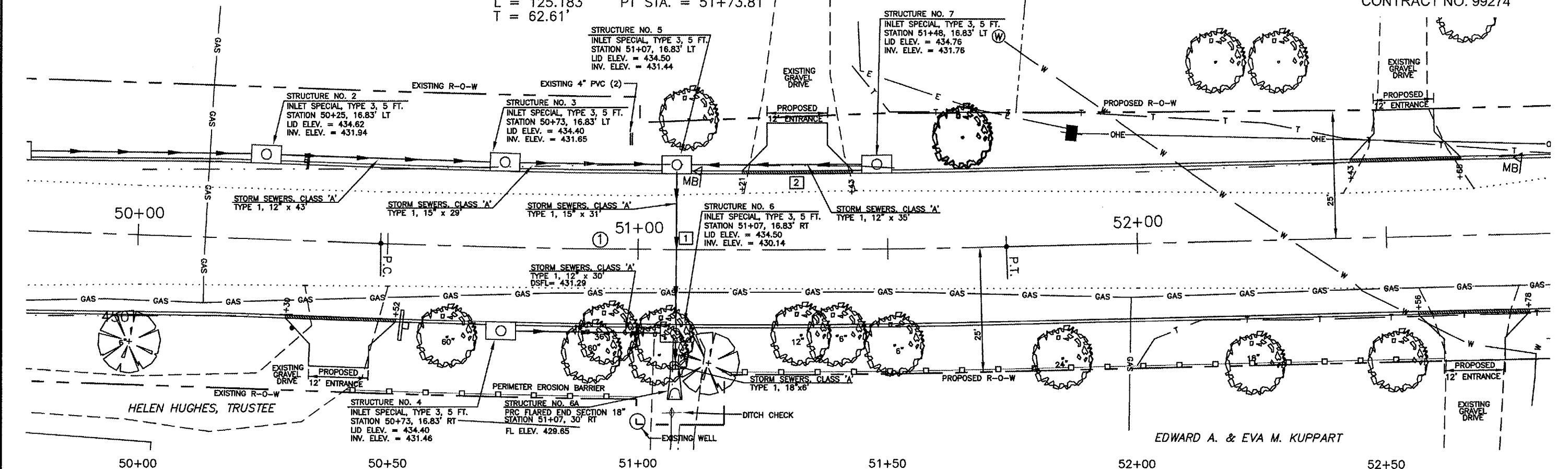
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 $R = 2000.00'$ PI STA. = 51+11.24
 $L = 125.183'$ PT STA. = 51+73.81
 $T = 62.61'$

MARVIN B. &
SALLY S. HORTON



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9545	03-00133-00-RP	SALINE	43	11
SALINE COUNTY		LIBERTY ROAD		

CONTRACT NO. 99274



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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9545	03-00133-00-RP	SALINE	43	12
SALINE COUNTY		LIBERTY ROAD		
CONTRACT NO. 99274				

MARVIN B. & SALLY S. HORTON

ELIZABETH L. SHIMP



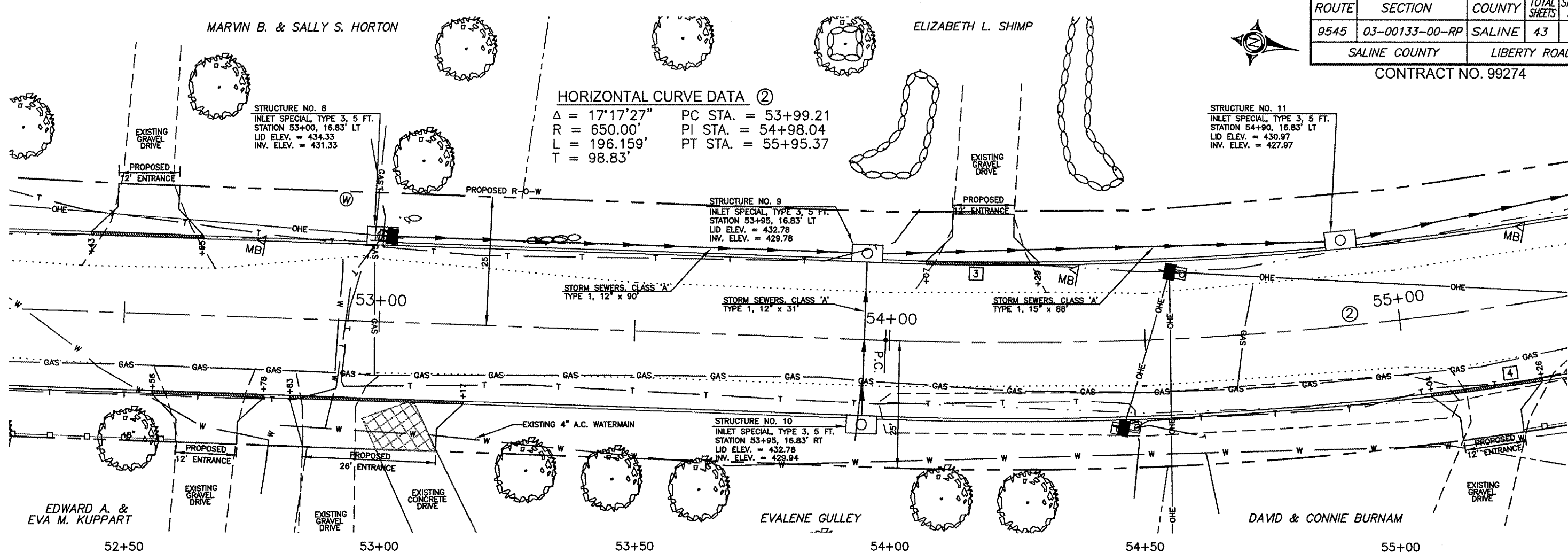
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 $\Delta = 17^{\circ}17'27''$ PC STA. = 53+99.21
 $R = 650.00'$ PI STA. = 54+98.04
 $L = 196.159'$ PT STA. = 55+95.37
 $T = 98.83'$

STRUCTURE NO. 8
 INLET SPECIAL, TYPE 3, 5 FT.
 STATION 53+00, 16.83' LT
 LID ELEV. = 434.33
 INV. ELEV. = 431.33

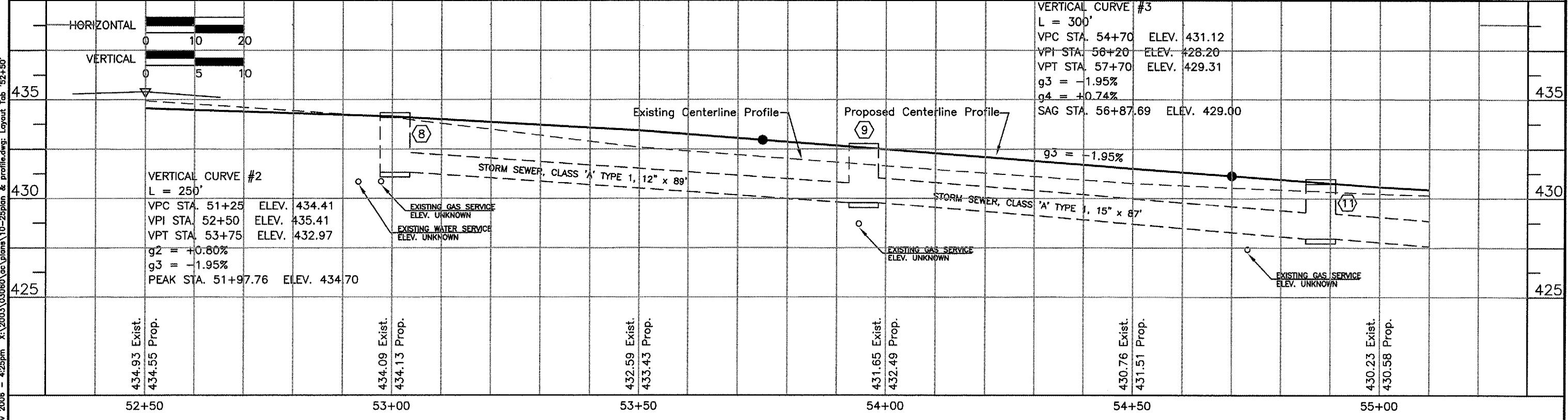
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 STATION 54+90, 16.83' LT
 LID ELEV. = 430.97
 INV. ELEV. = 427.97

STRUCTURE NO. 9
 INLET SPECIAL, TYPE 3, 5 FT.
 STATION 53+95, 16.83' LT
 LID ELEV. = 432.78
 INV. ELEV. = 429.78

STRUCTURE NO. 10
 INLET SPECIAL, TYPE 3, 5 FT.
 STATION 53+95, 16.83' RT
 LID ELEV. = 432.78
 INV. ELEV. = 429.94



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ELIZABETH L. SHIMP

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9545	03-00133-00-RP	SALINE	43	13
SALINE COUNTY		LIBERTY ROAD		

CONTRACT NO. 99274

HORIZONTAL CURVE DATA ②

$\Delta = 17'17'27''$ PC STA. = 53+99.21
 $R = 650.00'$ PI STA. = 54+98.04
 $L = 196.159'$ PT STA. = 55+95.37
 $T = 98.83'$

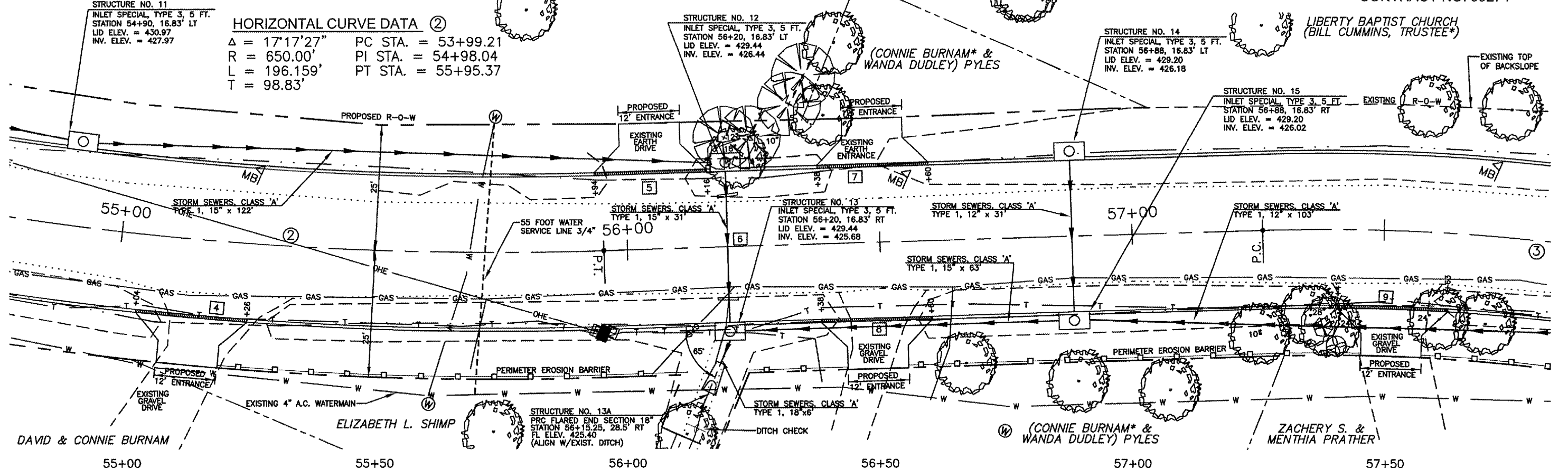
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 STATION 54+90, 16.83' LT
 LID ELEV. = 430.97
 INV. ELEV. = 427.97

STRUCTURE NO. 12
 INLET SPECIAL, TYPE 3, 5 FT.
 STATION 56+20, 16.83' LT
 LID ELEV. = 429.44
 INV. ELEV. = 426.44

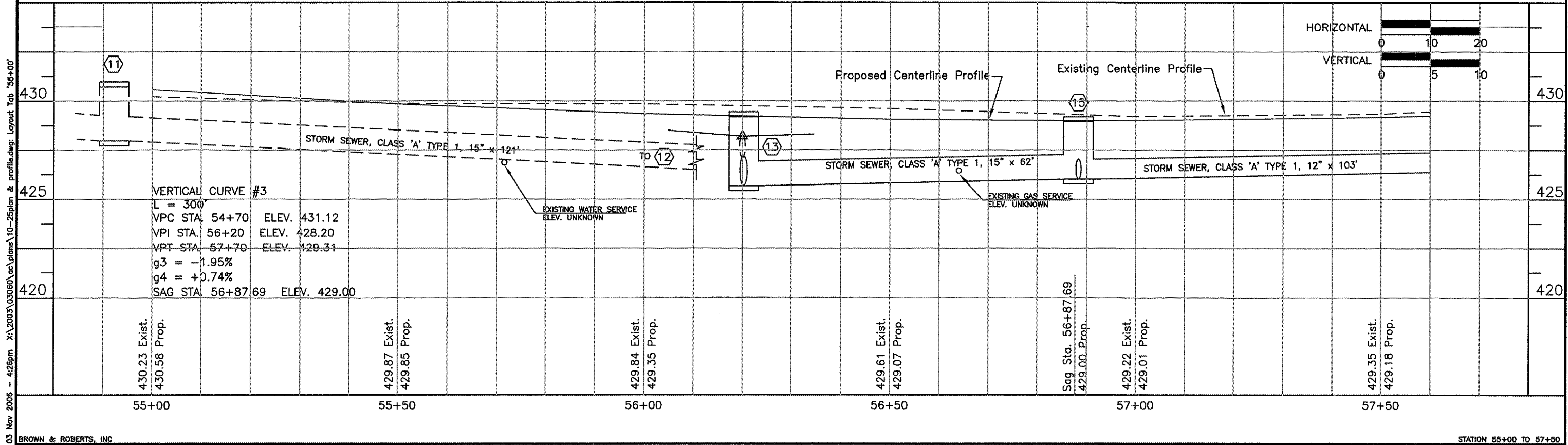
STRUCTURE NO. 14
 INLET SPECIAL, TYPE 3, 5 FT.
 STATION 56+88, 16.83' LT
 LID ELEV. = 429.20
 INV. ELEV. = 426.18

STRUCTURE NO. 15
 INLET SPECIAL, TYPE 3, 5 FT.
 STATION 56+88, 16.83' RT
 LID ELEV. = 429.20
 INV. ELEV. = 426.02

STRUCTURE NO. 13A
 PRC FLARED END SECTION 18"
 STATION 56+15.25, 28.5' RT
 FL ELEV. 425.40
 (ALIGN W/EXIST. DITCH)



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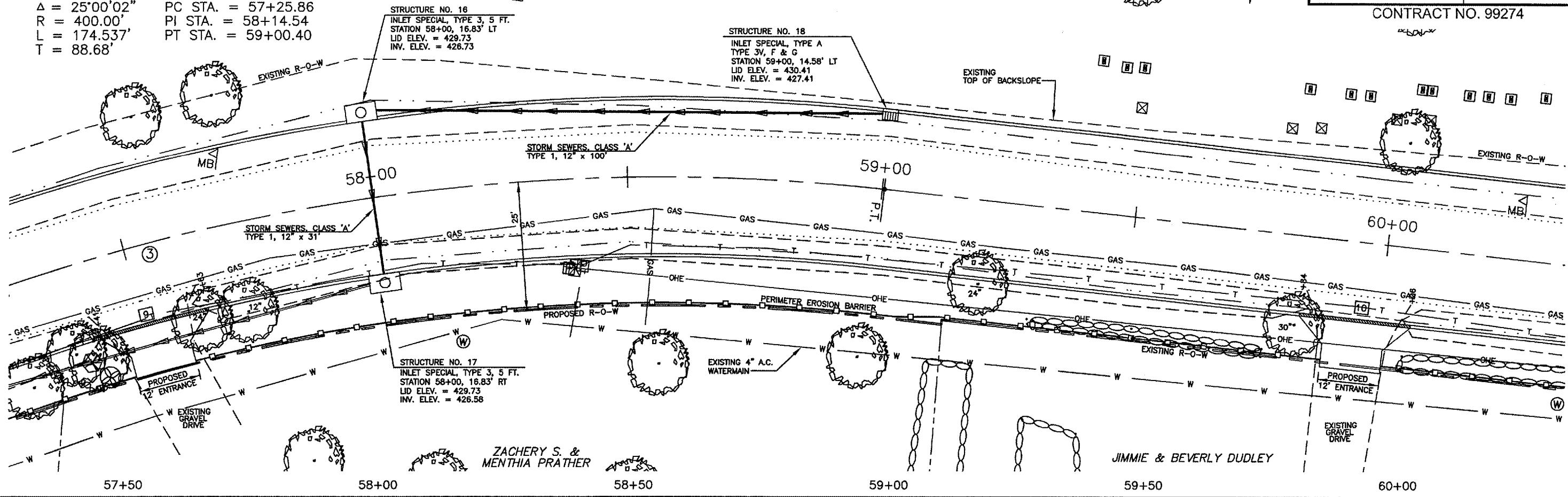
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9545	03-00133-00-RP	SALINE	43	14
SALINE COUNTY		LIBERTY ROAD		

CONTRACT NO. 99274

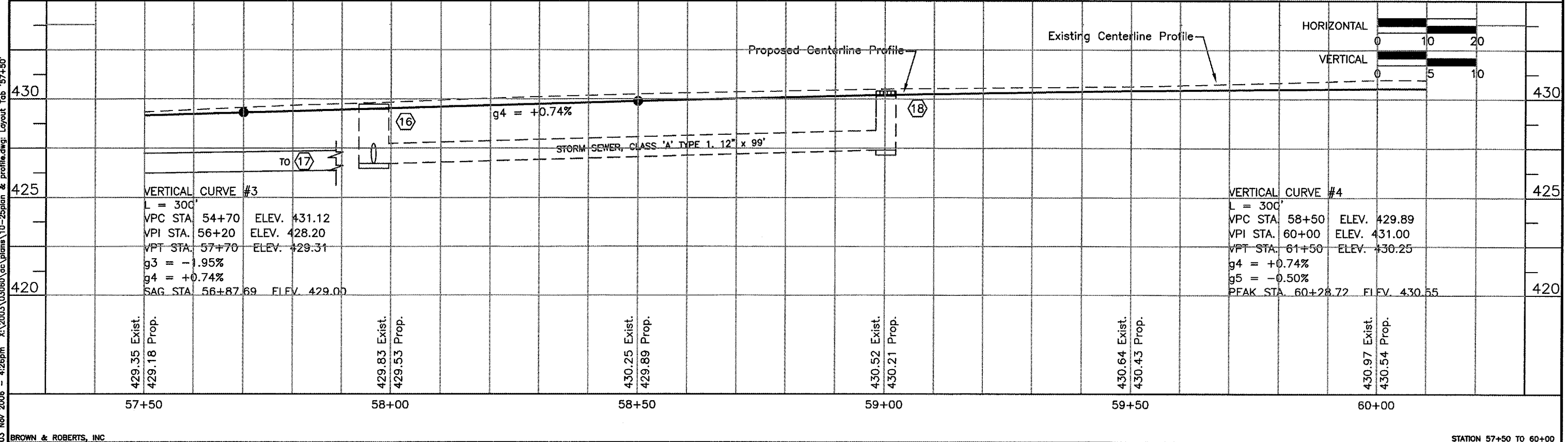
HORIZONTAL CURVE DATA ③

$\Delta = 25^{\circ}00'02''$ PC STA. = 57+25.86
 $R = 400.00'$ PI STA. = 58+14.54
 $L = 174.537'$ PT STA. = 59+00.40
 $T = 88.68'$

LIBERTY BAPTIST CHURCH
(BILL CUMMINS, TRUSTEE*)



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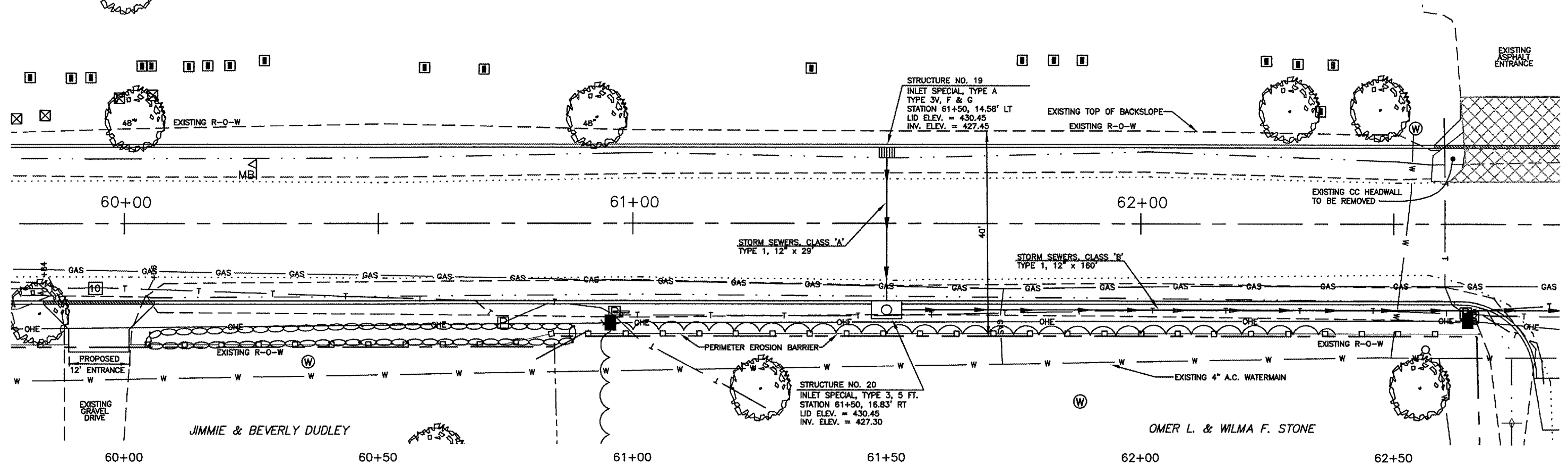


LIBERTY BAPTIST CHURCH
(BILL CUMMINS, TRUSTEE*)



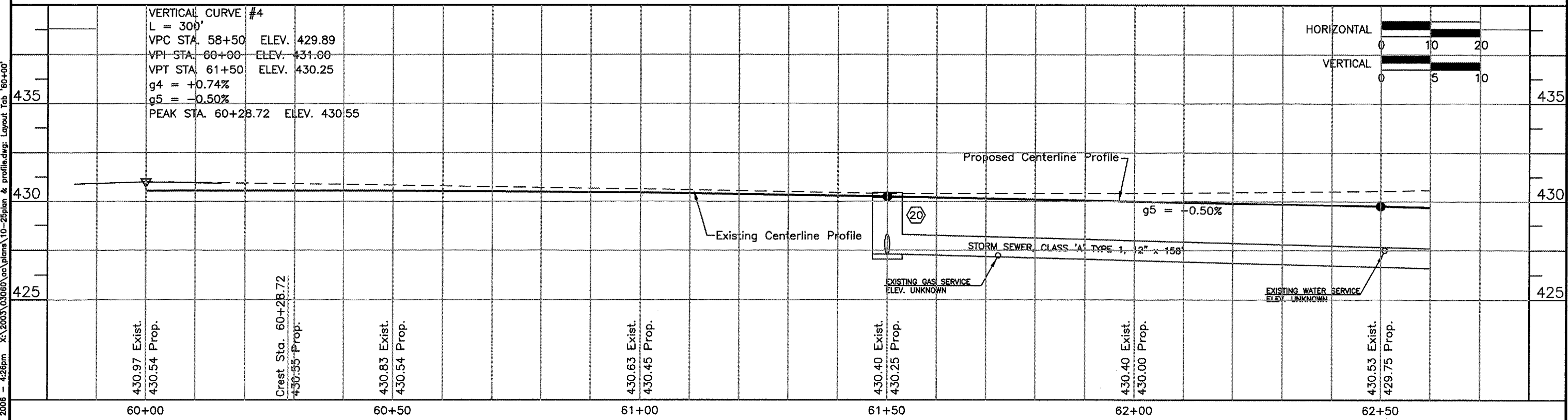
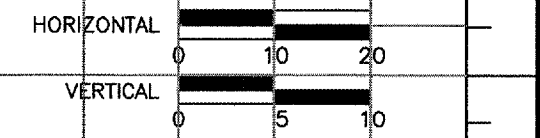
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9545	03-00133-00-RP	SALINE	43	15
SALINE COUNTY		LIBERTY ROAD		

CONTRACT NO. 99274



VERTICAL CURVE #4

L = 300'	
VPC STA. 58+50	ELEV. 429.89
VPI STA. 60+00	ELEV. 431.00
VPT STA. 61+50	ELEV. 430.25
g4 = +0.74%	
g5 = -0.50%	
PEAK STA. 60+28.72	ELEV. 430.55

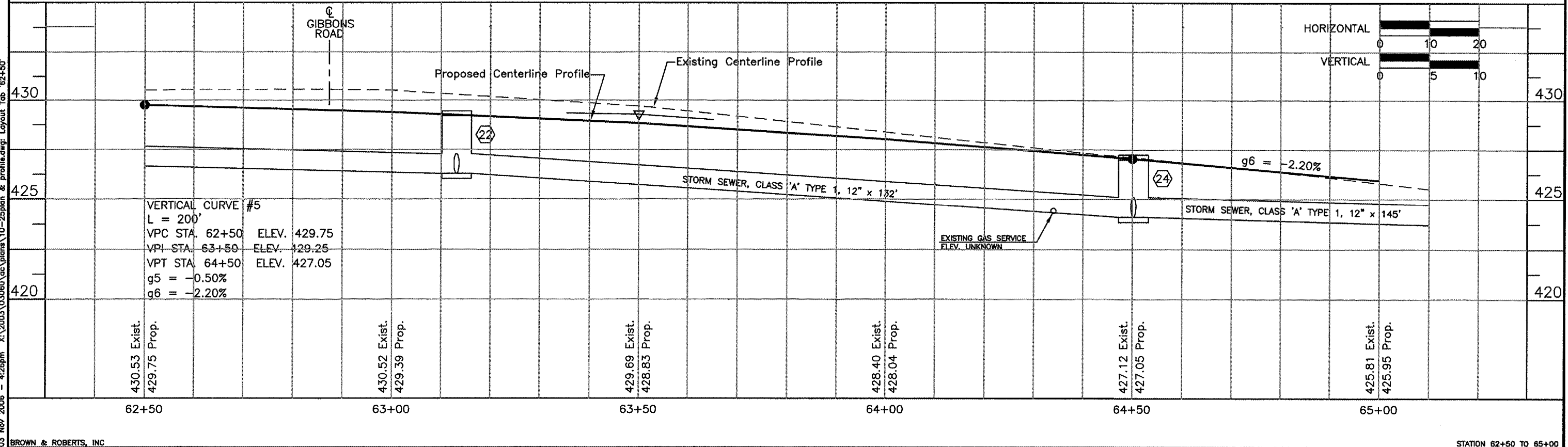
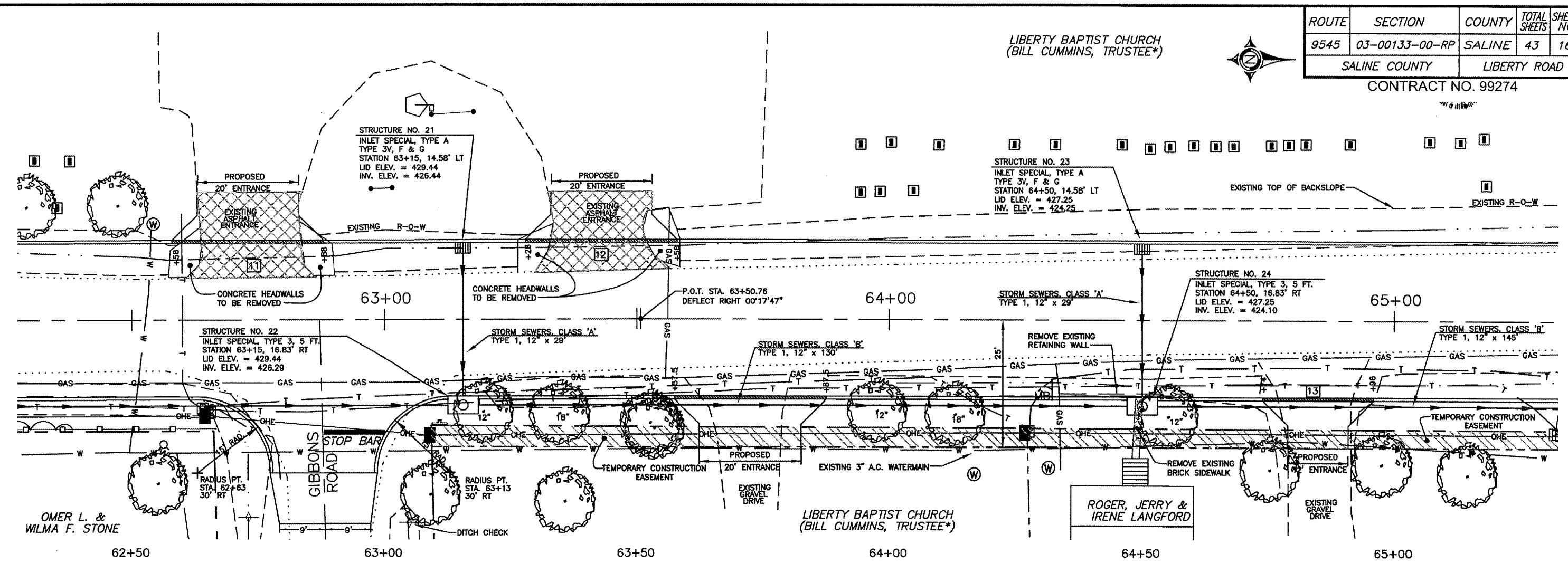


Station	Existing Elevation	Proposed Elevation
60+00	430.97	430.54
60+28.72 (Crest Sta.)		430.55
60+50	430.83	430.54
61+00	430.63	430.45
61+50	430.40	430.25
62+00	430.40	430.00
62+50	430.53	429.75

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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9545	03-00133-00-RP	SALINE	43	16
SALINE COUNTY		LIBERTY ROAD		
CONTRACT NO. 99274				

LIBERTY BAPTIST CHURCH
(BILL CUMMINS, TRUSTEE*)

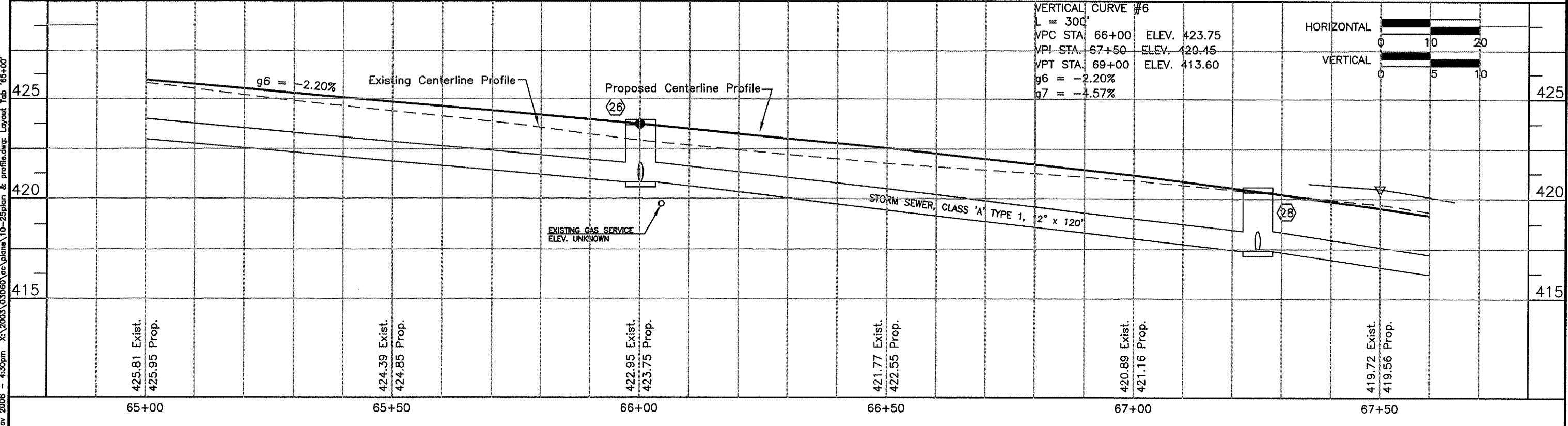
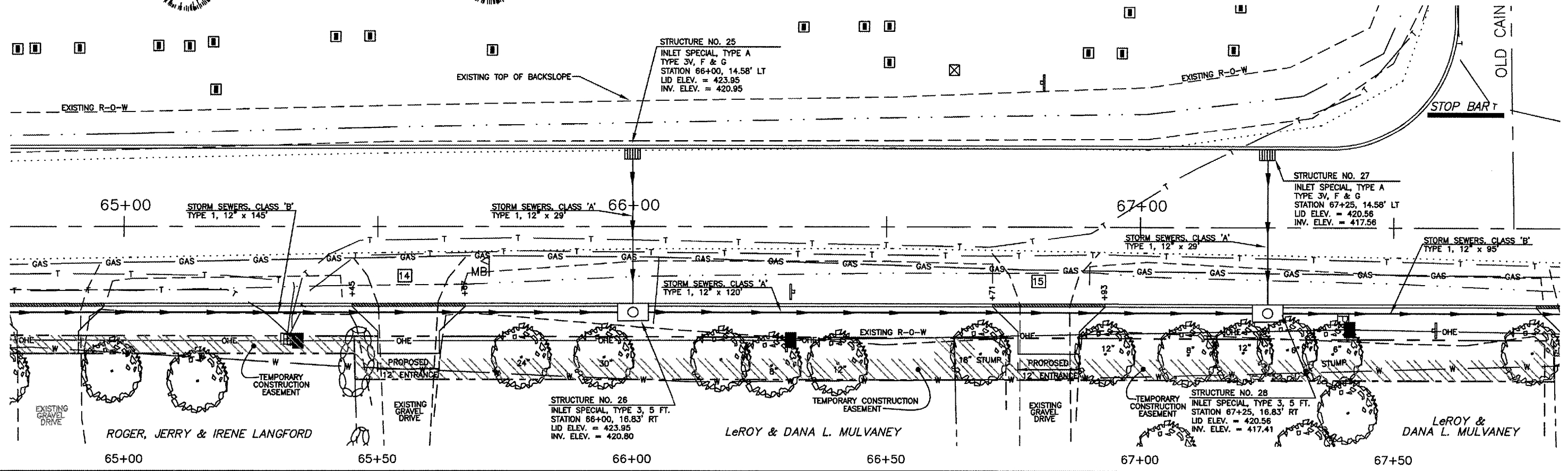


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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9545	03-00133-00-RP	SALINE	43	17
SALINE COUNTY		LIBERTY ROAD		

CONTRACT NO. 99274

LIBERTY BAPTIST CHURCH
(BILL CUMMINS, TRUSTEE*)



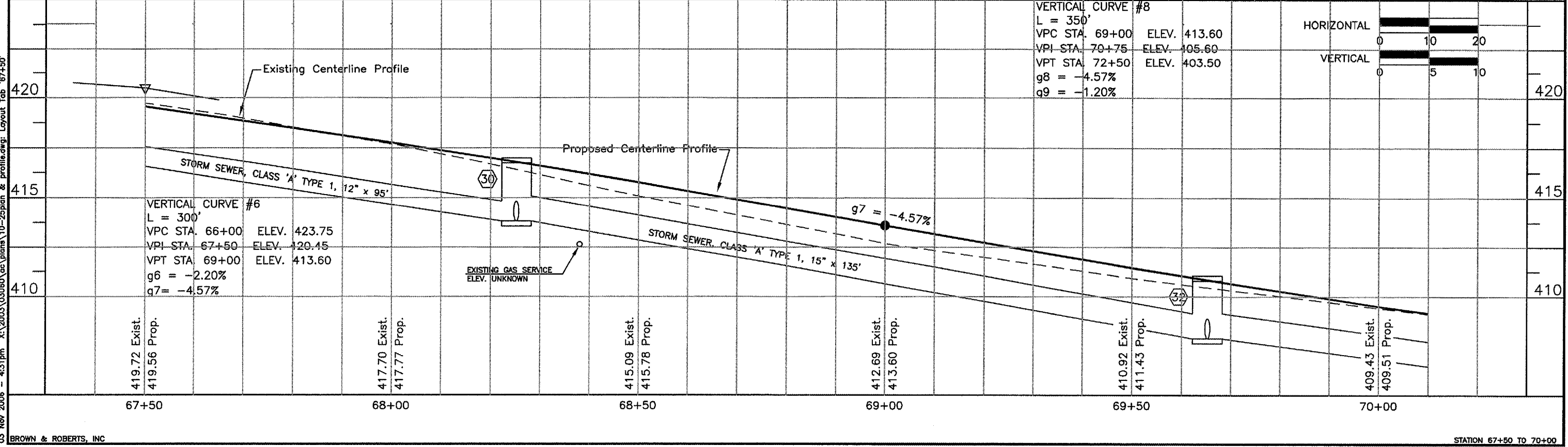
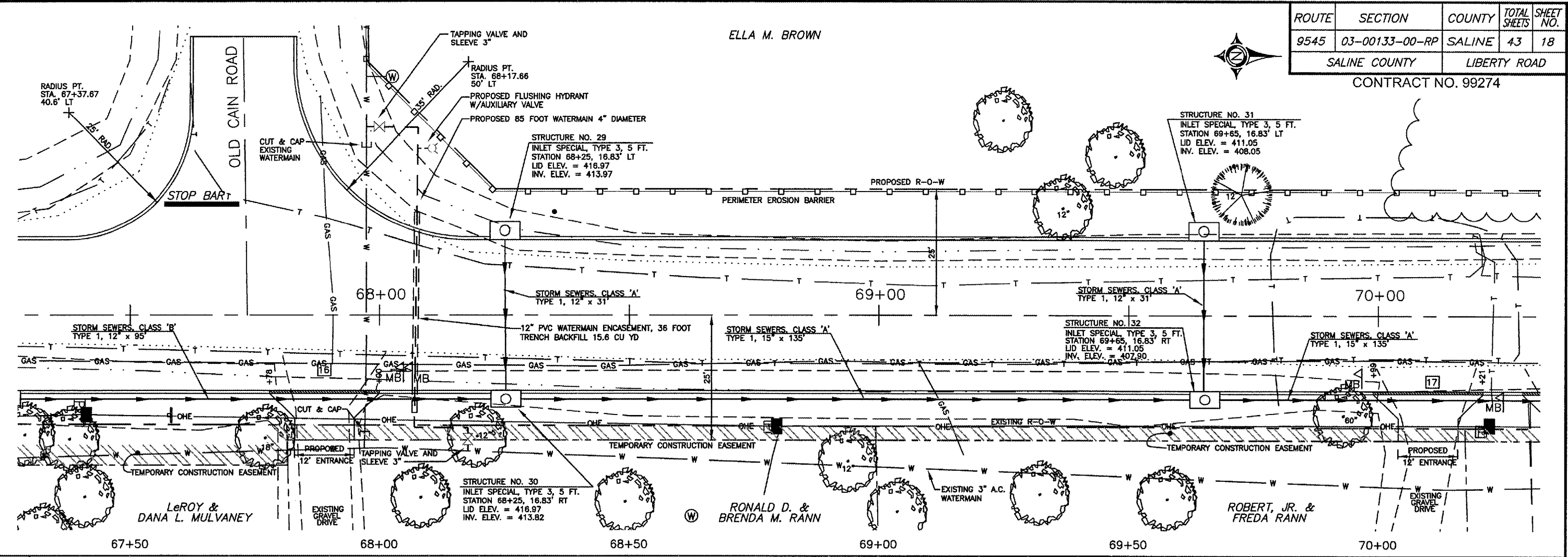
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ELLA M. BROWN



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9545	03-00133-00-RP	SALINE	43	18
SALINE COUNTY		LIBERTY ROAD		

CONTRACT NO. 99274

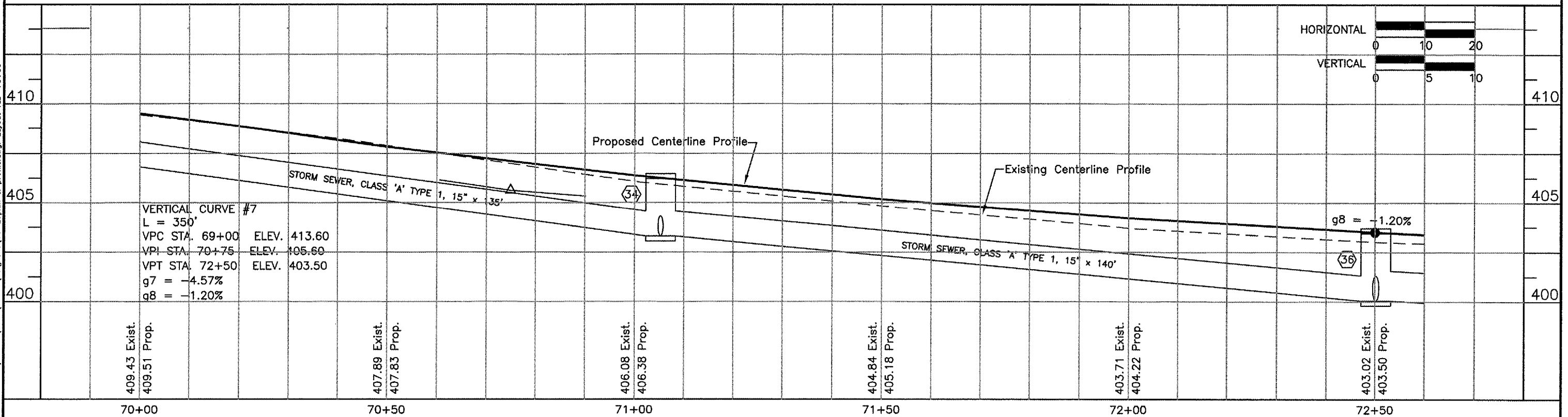
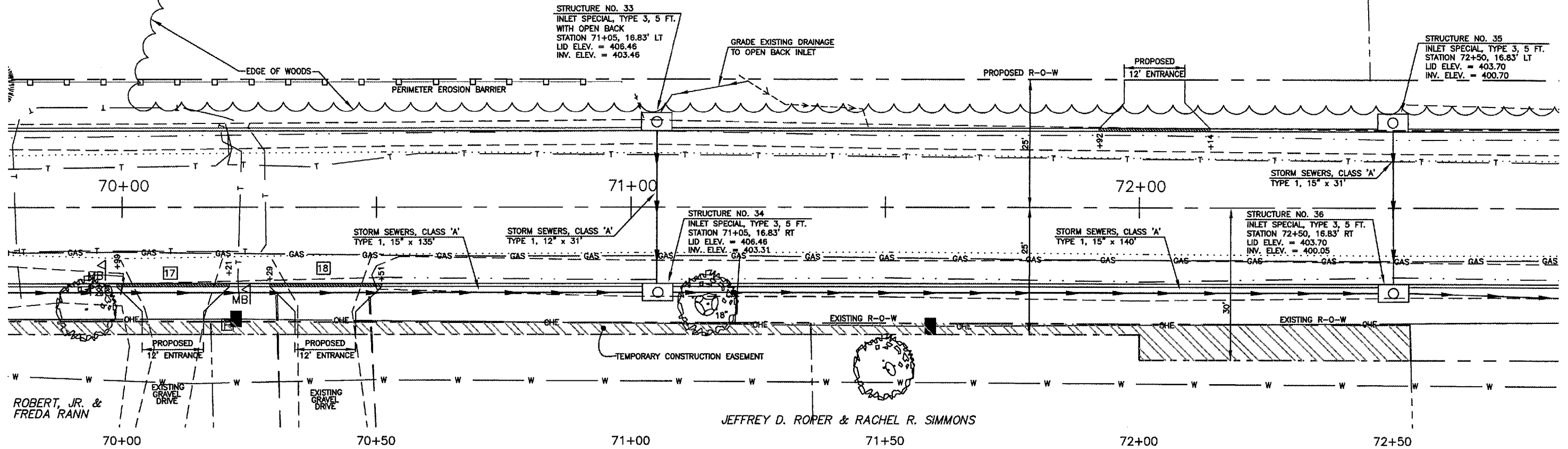


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ELLA M. BROWN

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9545	03-00133-00-RP	SALINE	43	19
SALINE COUNTY		LIBERTY ROAD		

CONTRACT NO. 99274

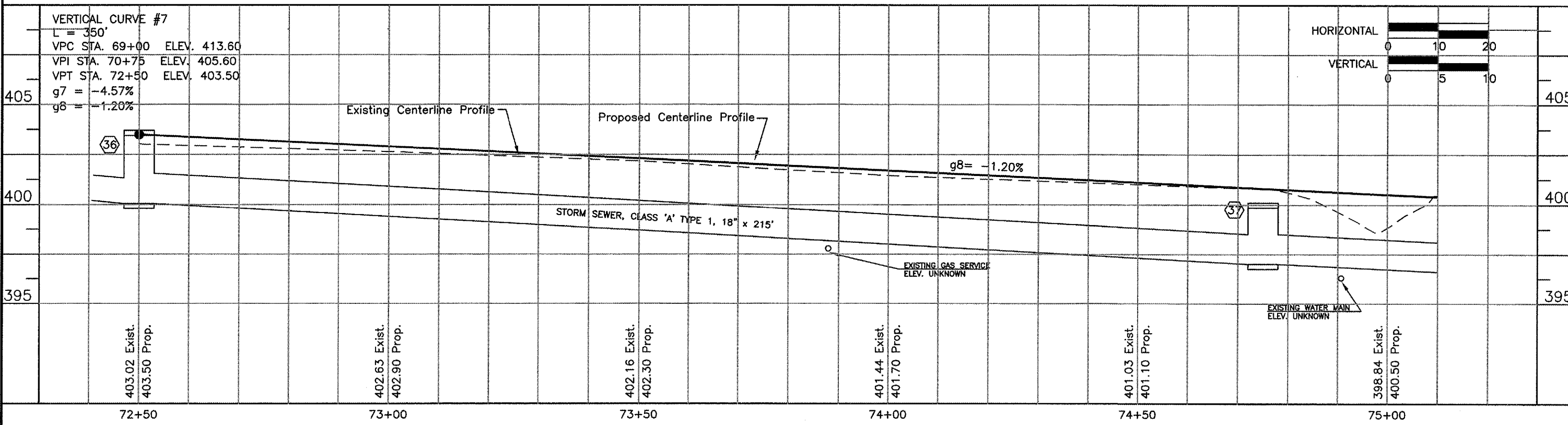
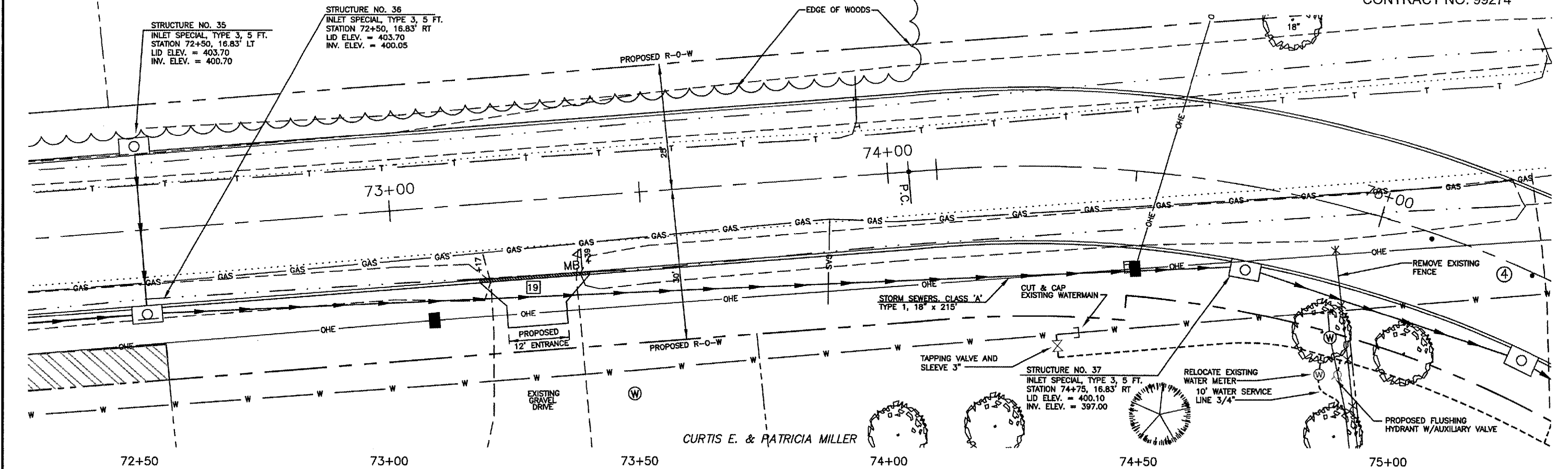


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AQUITTA R. SHORT

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9545	03-00133-00-RP	SALINE	43	20
SALINE COUNTY		LIBERTY ROAD		

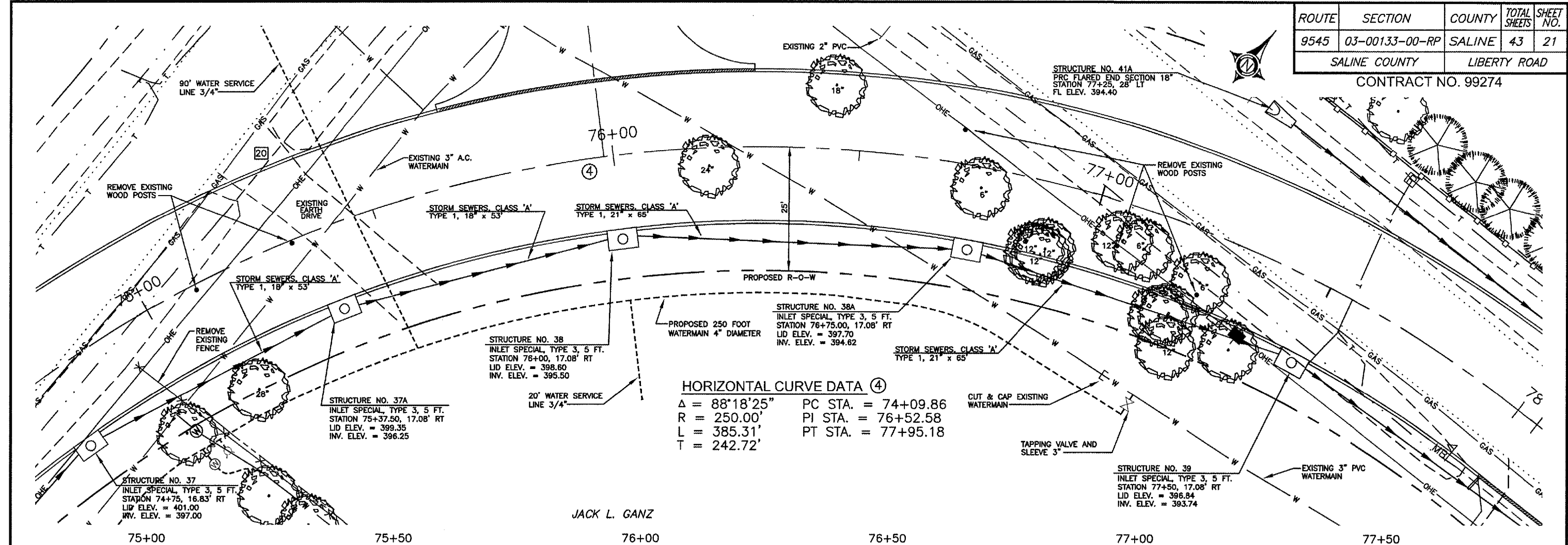
CONTRACT NO. 99274



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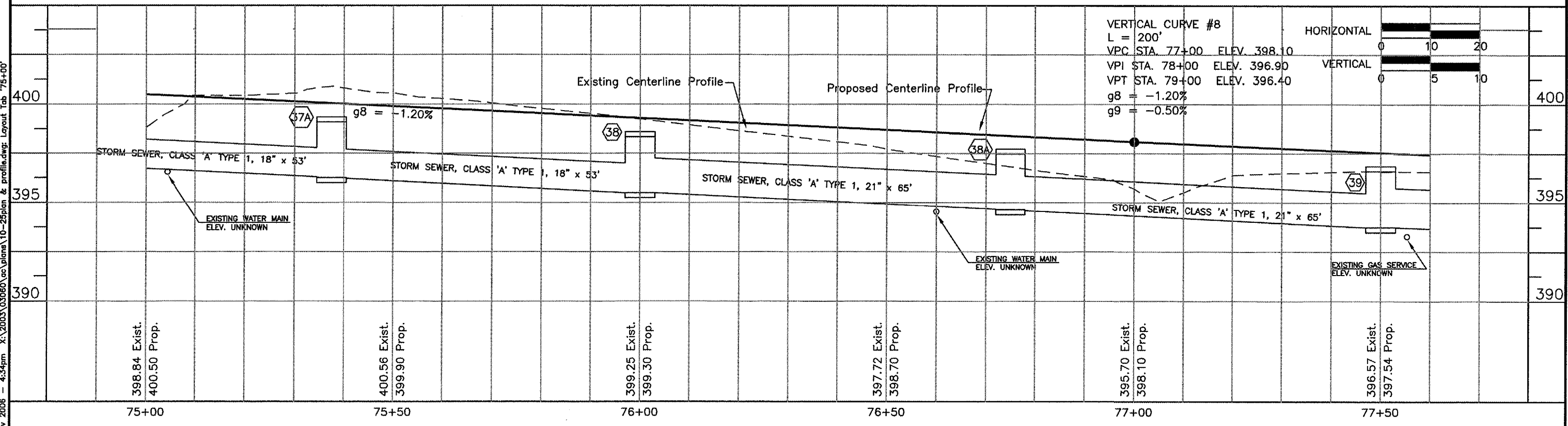
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9545	03-00133-00-RP	SALINE	43	21
SALINE COUNTY		LIBERTY ROAD		

CONTRACT NO. 99274



HORIZONTAL CURVE DATA ④
 $\Delta = 88^{\circ}18'25''$ PC STA. = 74+09.86
 $R = 250.00'$ PI STA. = 76+52.58
 $L = 385.31'$ PT STA. = 77+95.18
 $T = 242.72'$

JACK L. GANZ



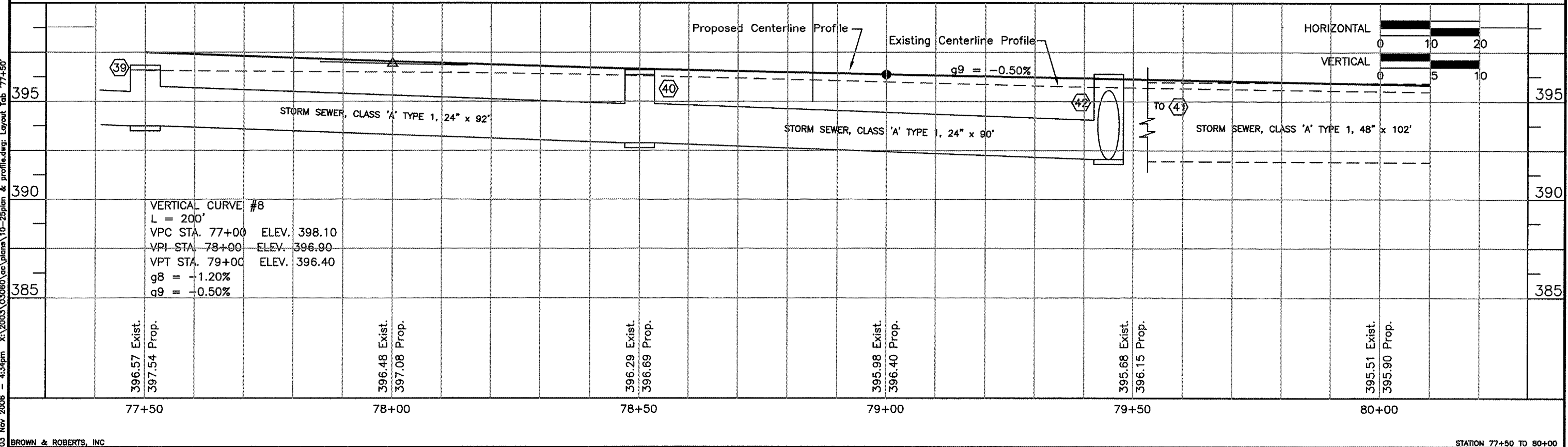
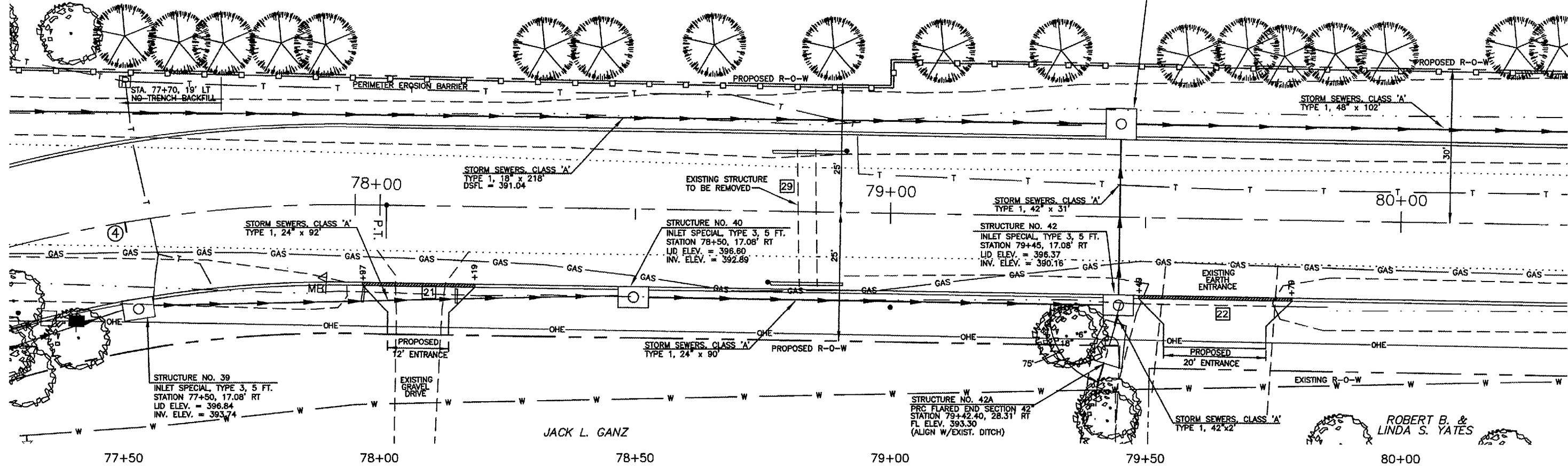
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JIM BROWN

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9545	03-00133-00-RP	SALINE	43	22
SALINE COUNTY		LIBERTY ROAD		
CONTRACT NO. 99274				



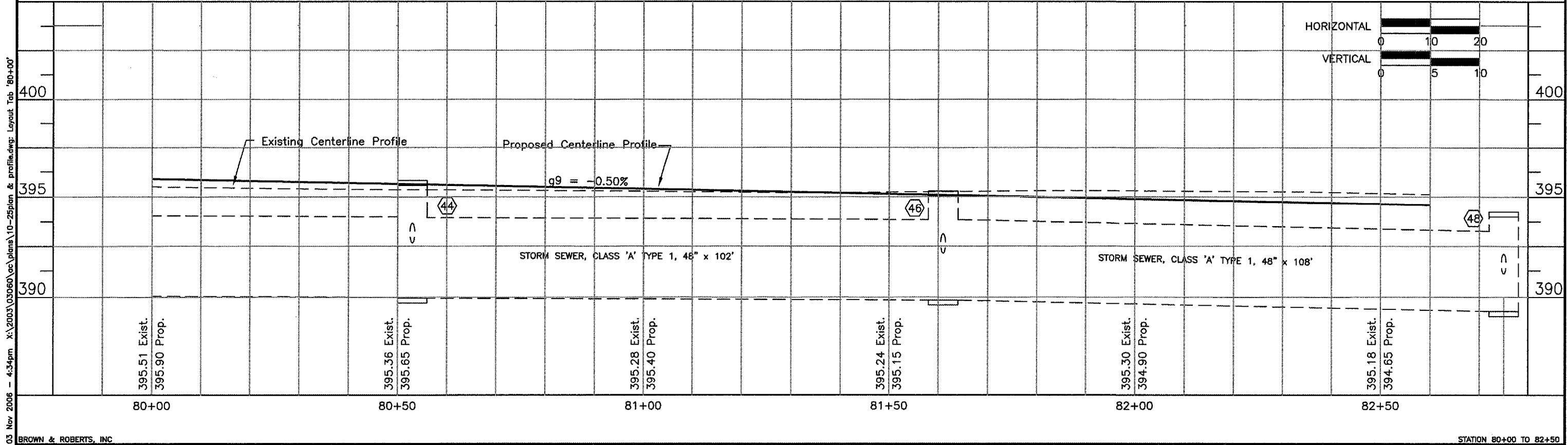
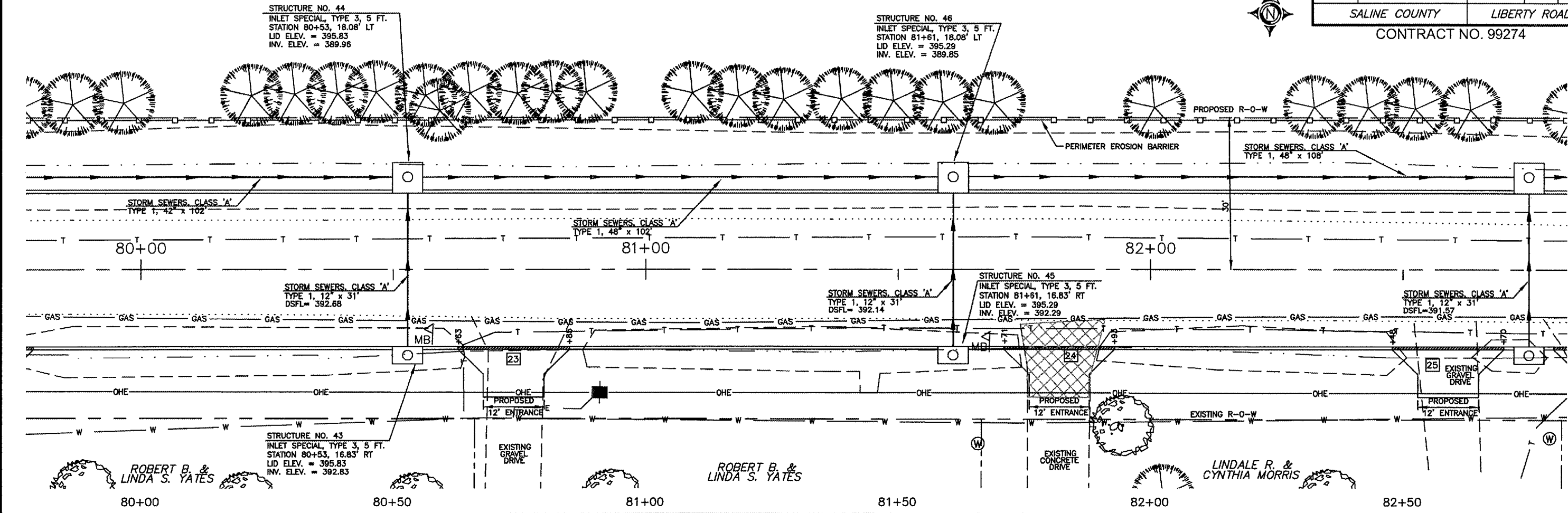
STRUCTURE NO. 41
 INLET SPECIAL, TYPE 3, 5 FT.
 STATION 79+45, 18.08' LT
 LID ELEV. = 396.37
 INV. ELEV. = 390.07



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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9545	03-00133-00-RP	SALINE	43	23
SALINE COUNTY		LIBERTY ROAD		
CONTRACT NO. 99274				

JIM BROWN

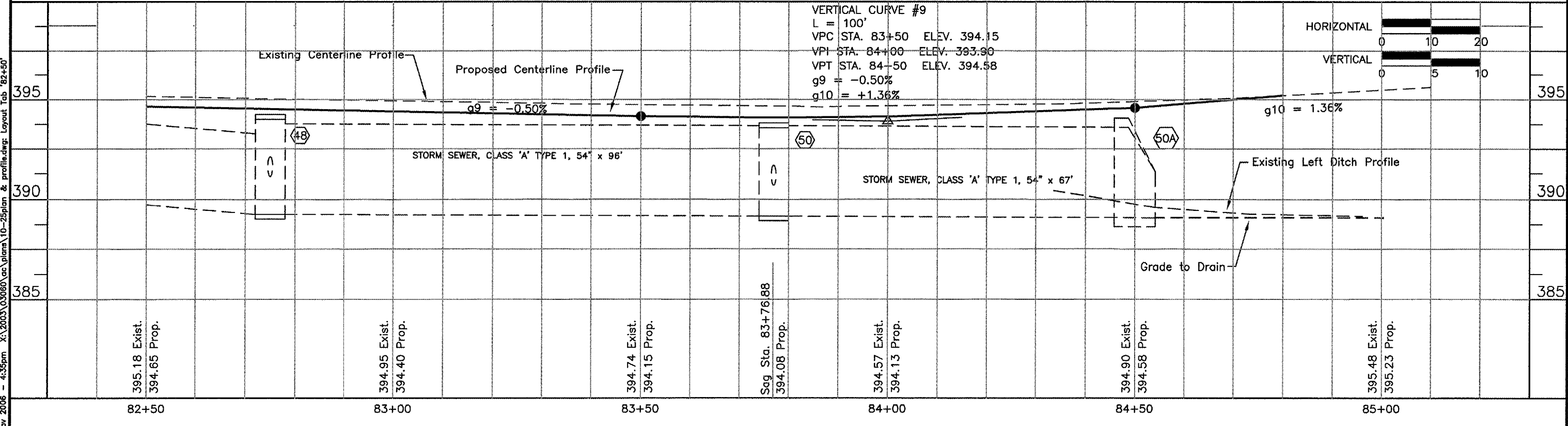
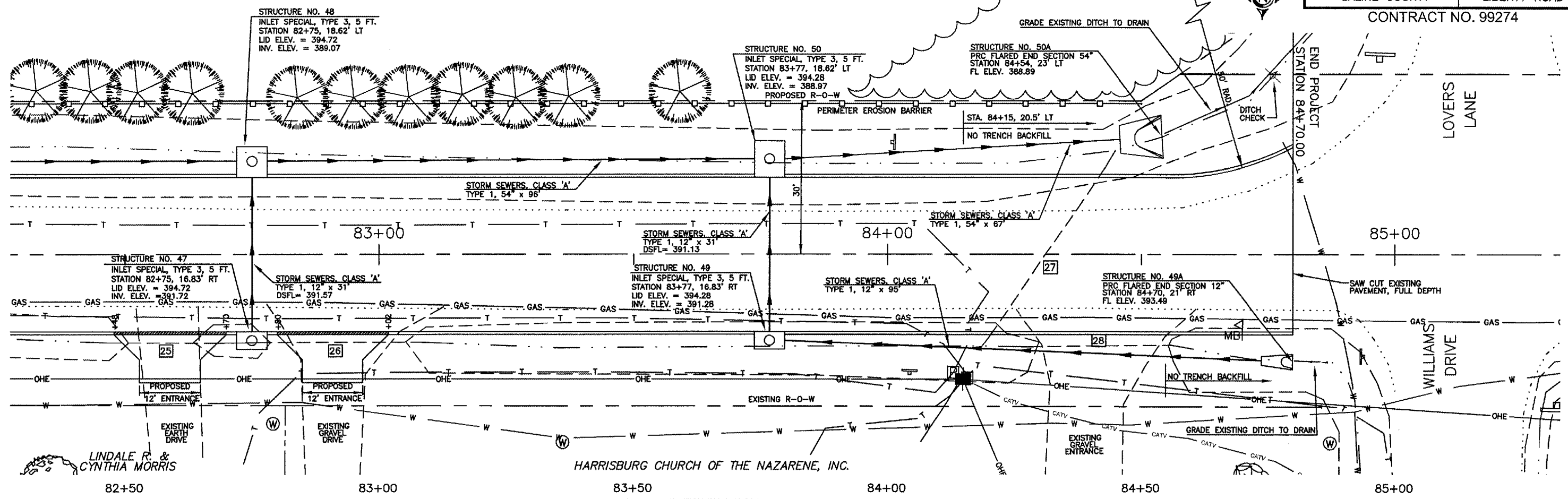


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JIM BROWN

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9545	03-00133-00-RP	SALINE	43	24
SALINE COUNTY		LIBERTY ROAD		

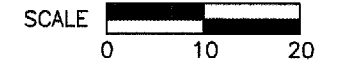
CONTRACT NO. 99274



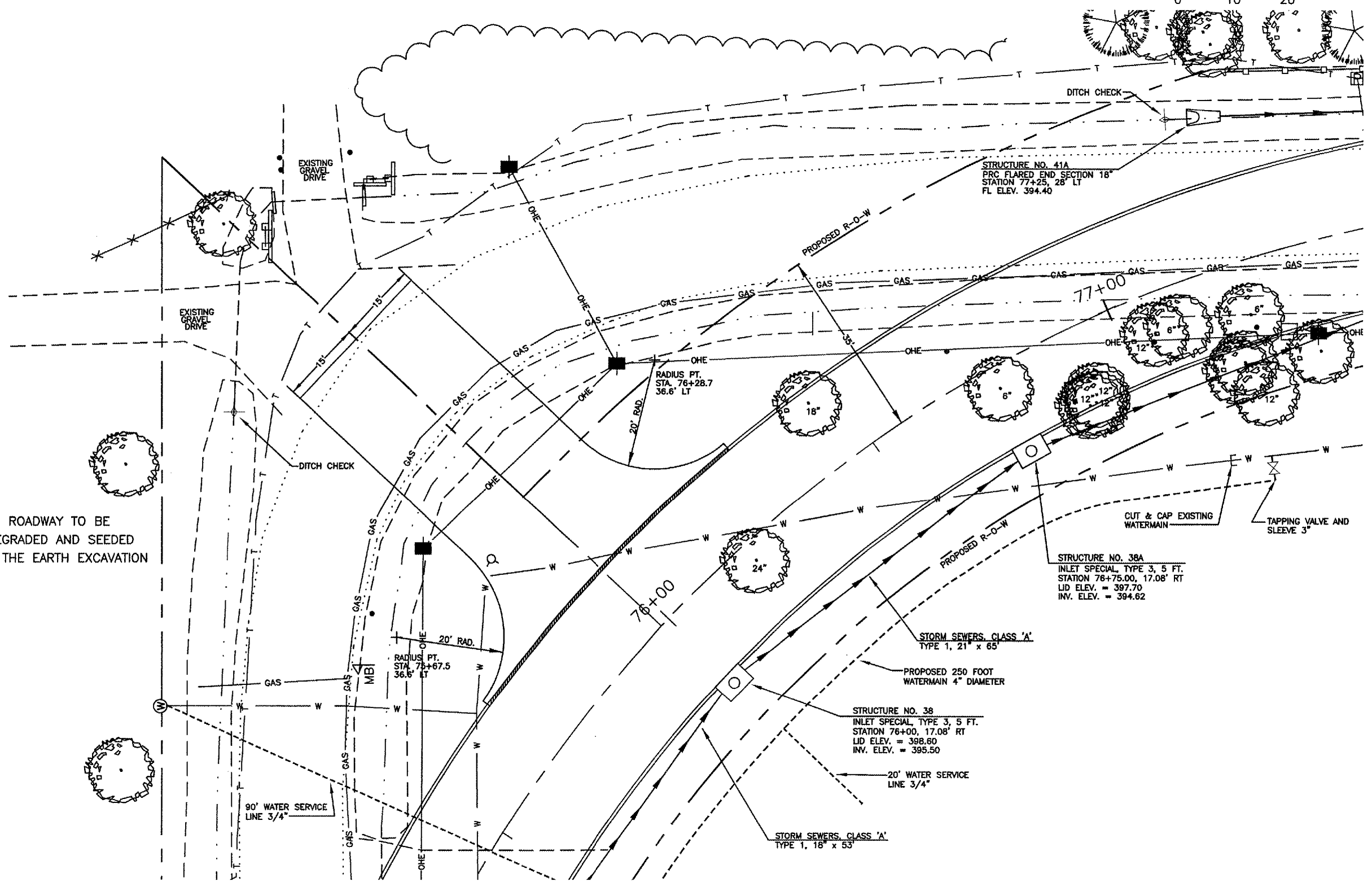
03 Nov 2006 - 4:35pm X:\2003\03060\etc\plm\10-25plan & profile.dwg: Layout Tab '82+50'

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9545	03-00133-00-RP	SALINE	43	25
SALINE COUNTY		LIBERTY ROAD		

CONTRACT NO. 99274

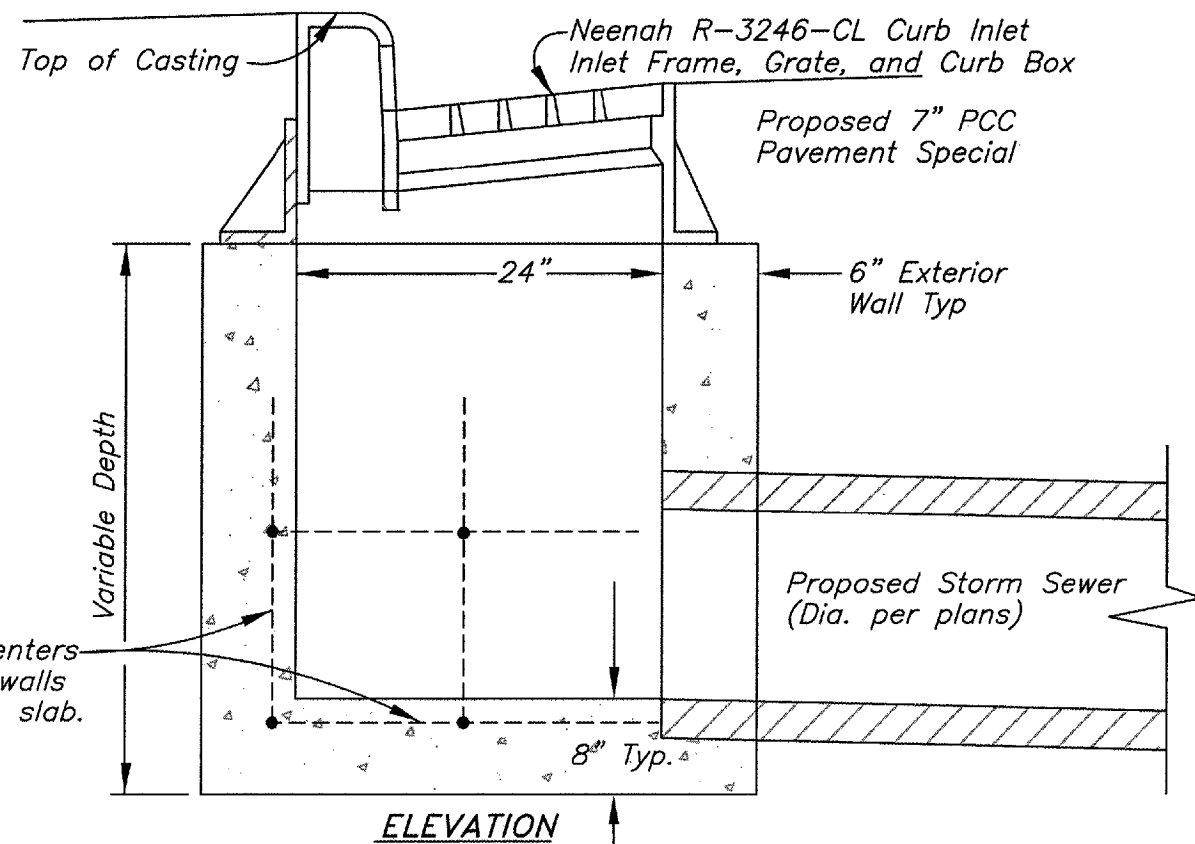
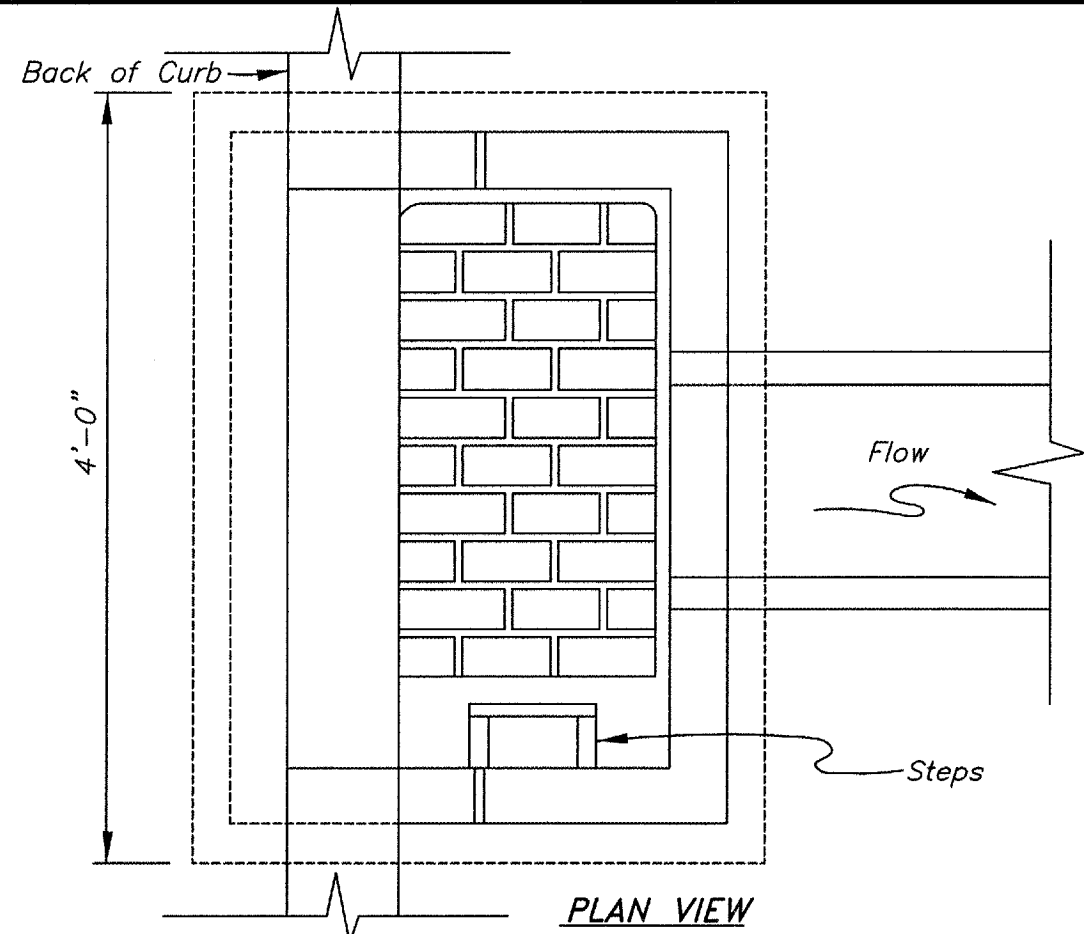


NOTE: THE EXISTING ROADWAY TO BE REMOVED, REGRADED AND SEEDDED AS PART OF THE EARTH EXCAVATION PAY ITEM.



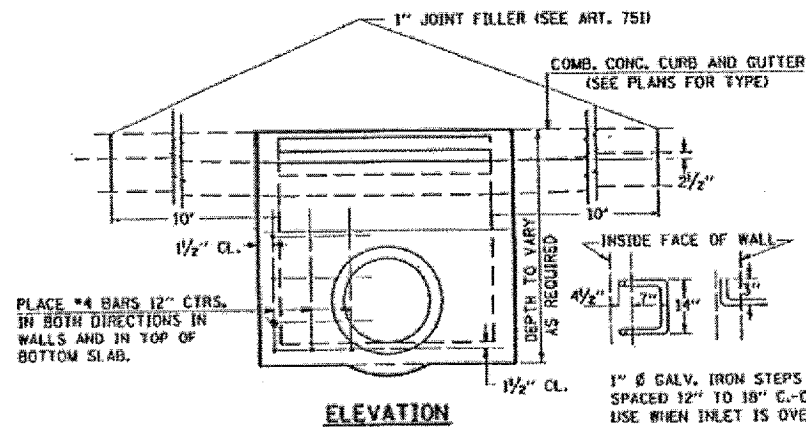
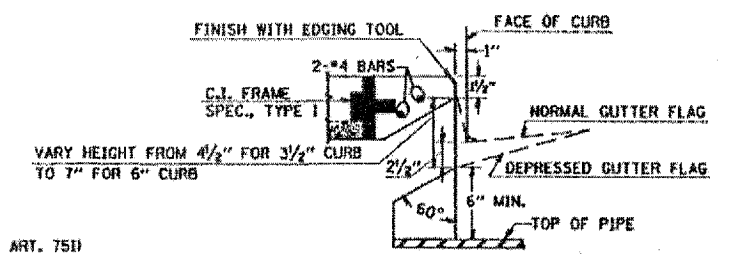
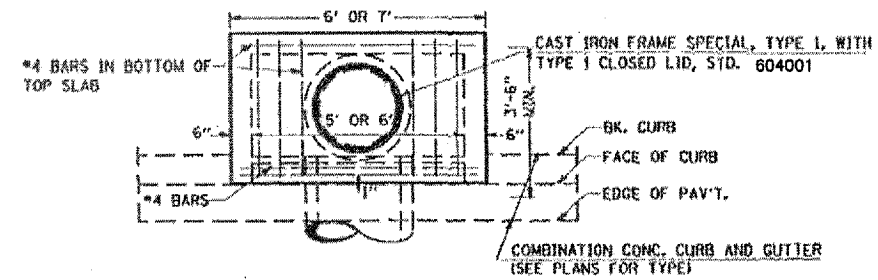
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9545	03-00133-00-RP	SALINE	43	26
SALINE COUNTY		LIBERTY ROAD		

CONTRACT NO. 99274



DETAIL - INLET TYPE A SPECIAL

Place #4 bars 12" centers in both directions in walls and in top of bottom slab.



DESIGN	PIPE DIAM.	"D"
A	18" BLESS	2'-6"
B	21" B34"	3'-0"
C	27" B30"	3'-7"
D	33" B36"	4'-2"
E	42"	4'-9"
F	48"	5'-0"
G	54"	6'-1"

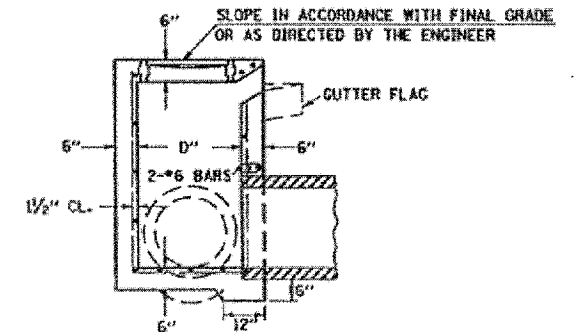
NOTES:

CLASS ST CONCRETE SHALL BE USED THROUGHOUT. SET FACE OF INLET 1" BEHIND FACE OF CURB. DEPRESS GUTTER FLOWLINE AT INLET 2 1/2" BELOW NORMAL GUTTER FLOWLINE. CONSTRUCT TRANSITION IN FLOWLINE IN 10 FEET EACH SIDE OF INLET. PIPES TO BE CONNECTED TO INLET AS SHOWN ON STORM SEWER LAYOUT.

INLETS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR INLET, SPECIAL, TYPE 3, 5 FEET OR INLET, SPECIAL, TYPE 3, 6 FEET WHICH PRICE SHALL INCLUDE THE CAST IRON FRAME, SPECIAL, TYPE 1 WITH TYPE 1 CLOSED LID, THE REINFORCEMENT BARS, METAL STEPS AND JOINT FILLER.

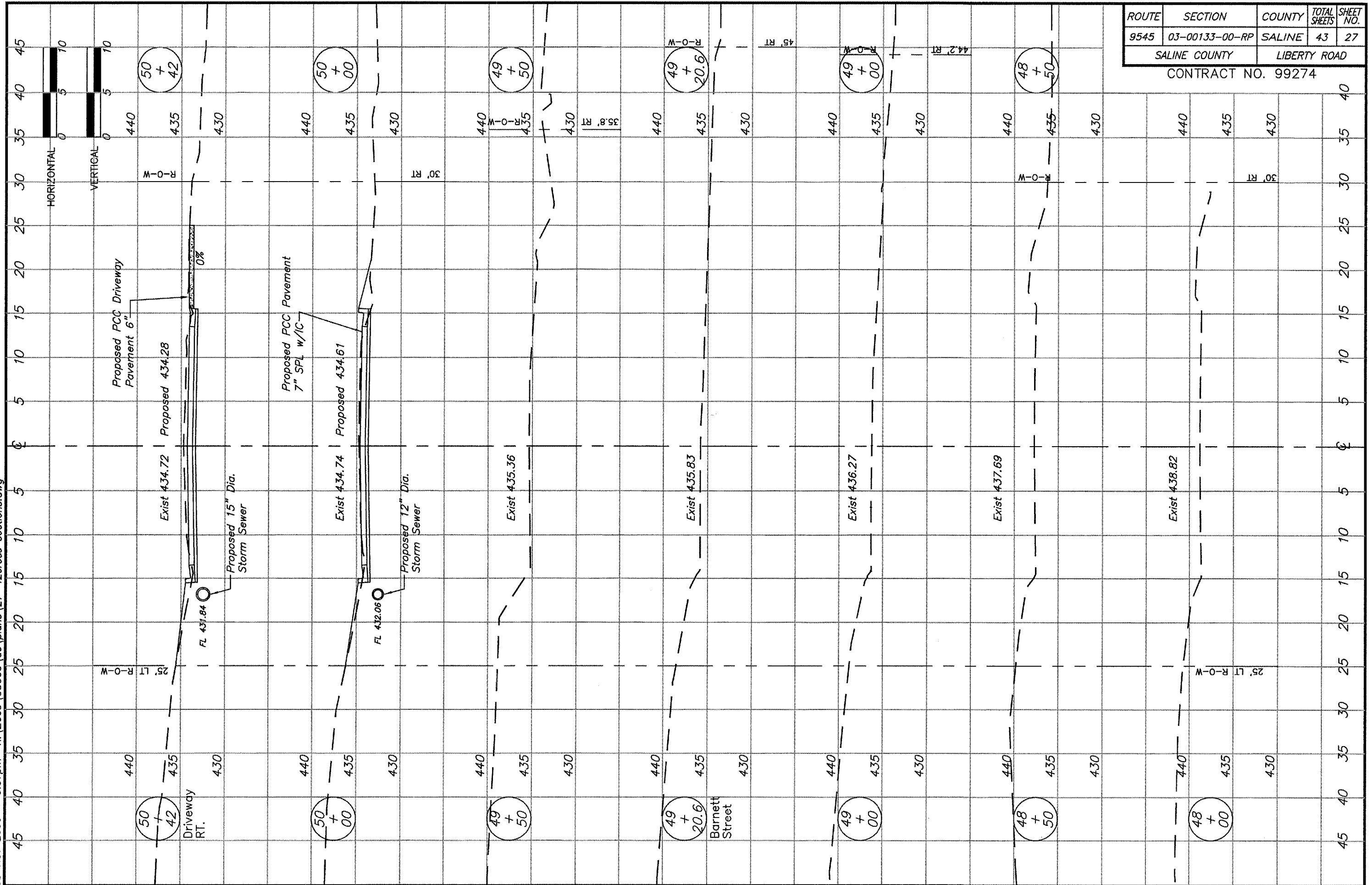
**THE GALV. IRON STEPS AS DETAILED HEREON ARE TYPICAL. STEPS OF OTHER DESIGN AND MATERIAL THAT WILL CONFORM TO THE MINIMUM REQUIREMENTS OF THE STEPS SHOWN, MAY BE USED WHEN APPROVED BY THE ENGINEER.

INLETS MAY BE PRECAST WHEN APPROVED BY THE ENGINEER.



DETAIL - INLETS SPECIAL, TYPE 3, 5'

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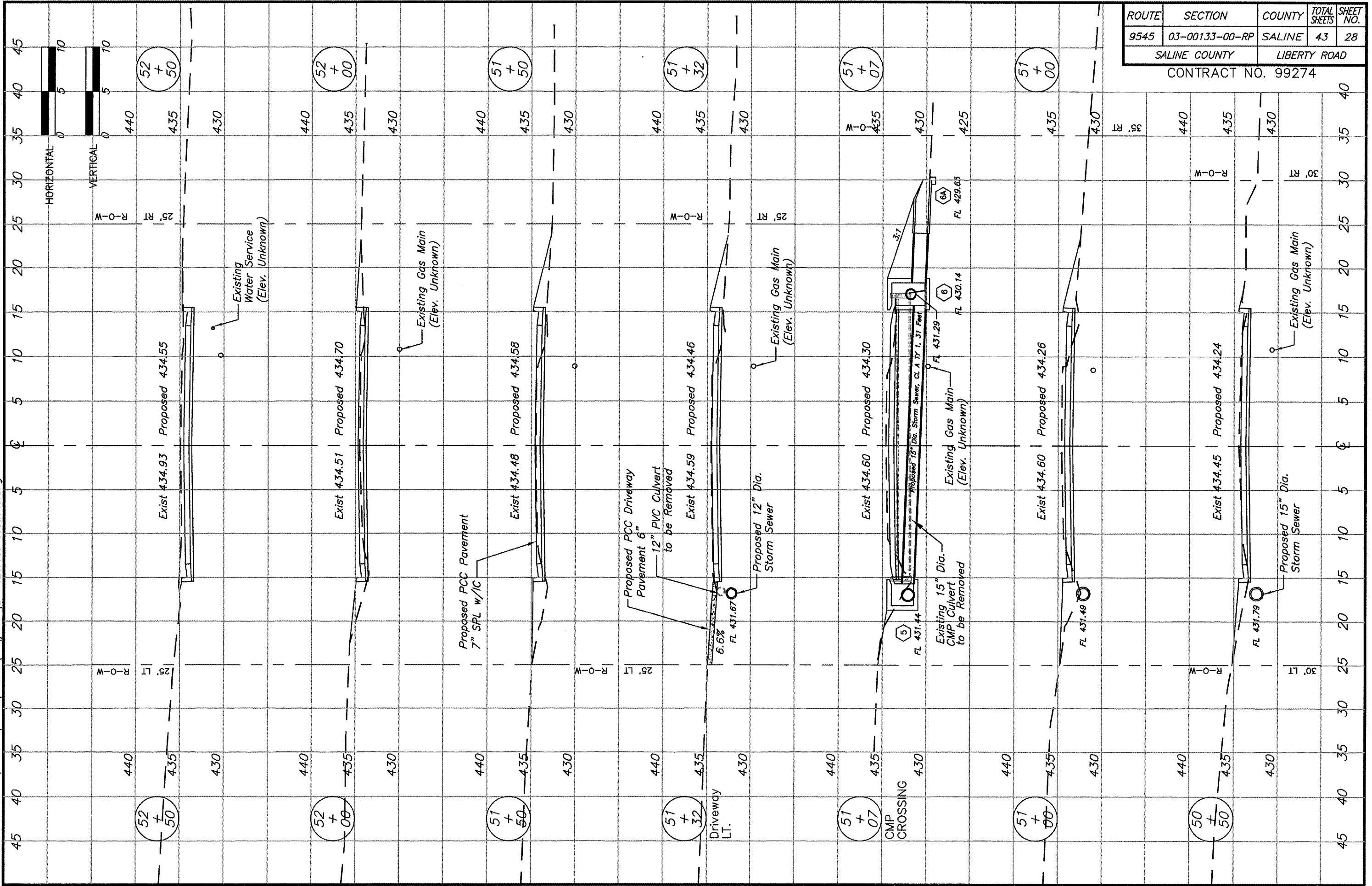
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9545	03-00133-00-RP	SALINE	43	27
SALINE COUNTY		LIBERTY ROAD		

CONTRACT NO. 99274

STATION 48+00 TO 50+42

BROWN & ROBERTS, INC.

03 Nov 2006 - 3:58pm X:\2003\03060\ac\plans\27-42cross sections.dwg



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9545	03-00133-00-RP	SALINE	43	28
SALINE COUNTY		LIBERTY ROAD		

CONTRACT NO. 99274

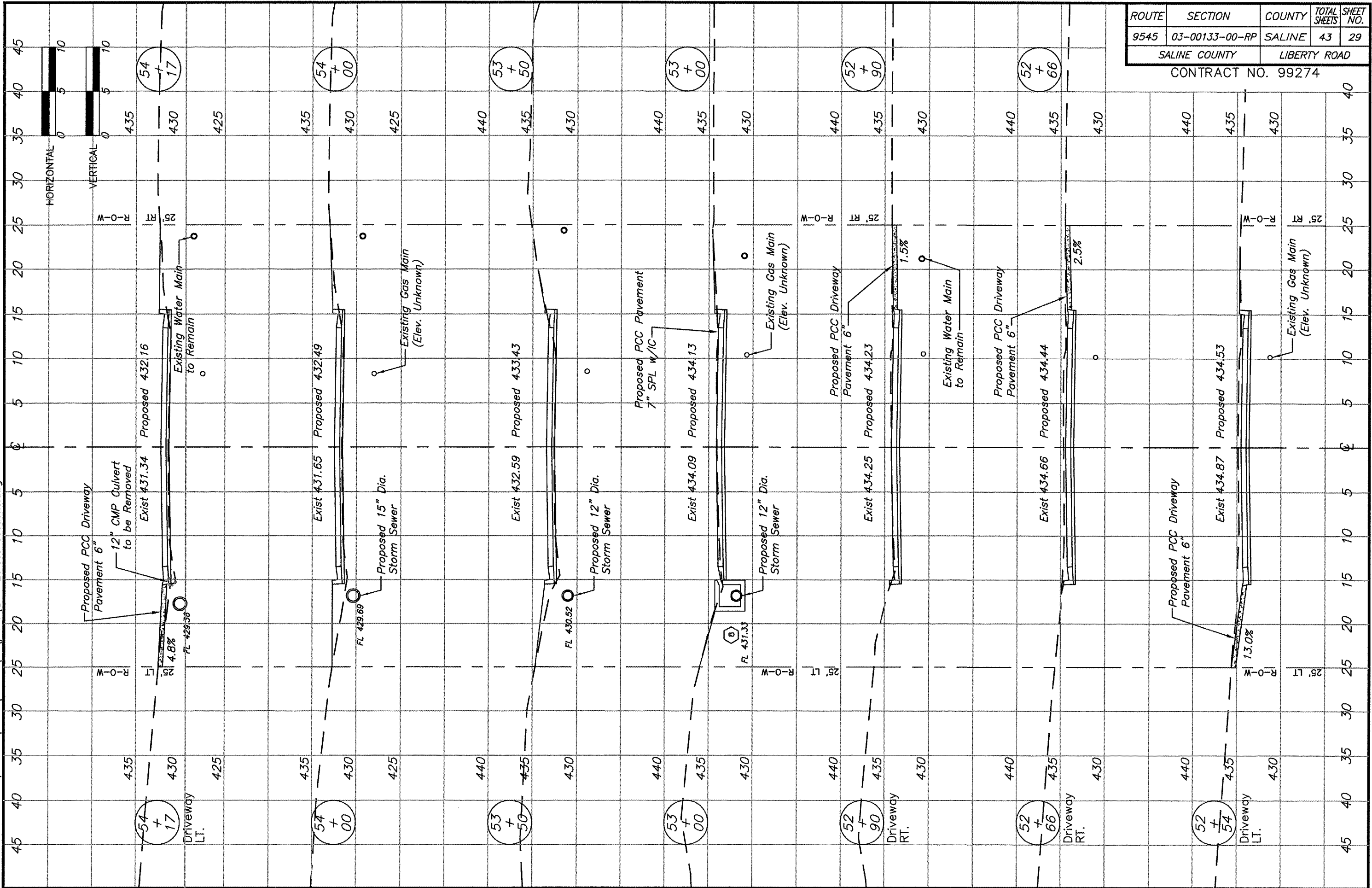
STATION 50+50 TO 52+50

BROWN & ROBERTS, INC.

03 Nov 2006 - 3:58pm X:\2003\03060\ac\plans\27-42cross sections.dwg

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9545	03-00133-00-RP	SALINE	43	29
SALINE COUNTY		LIBERTY ROAD		

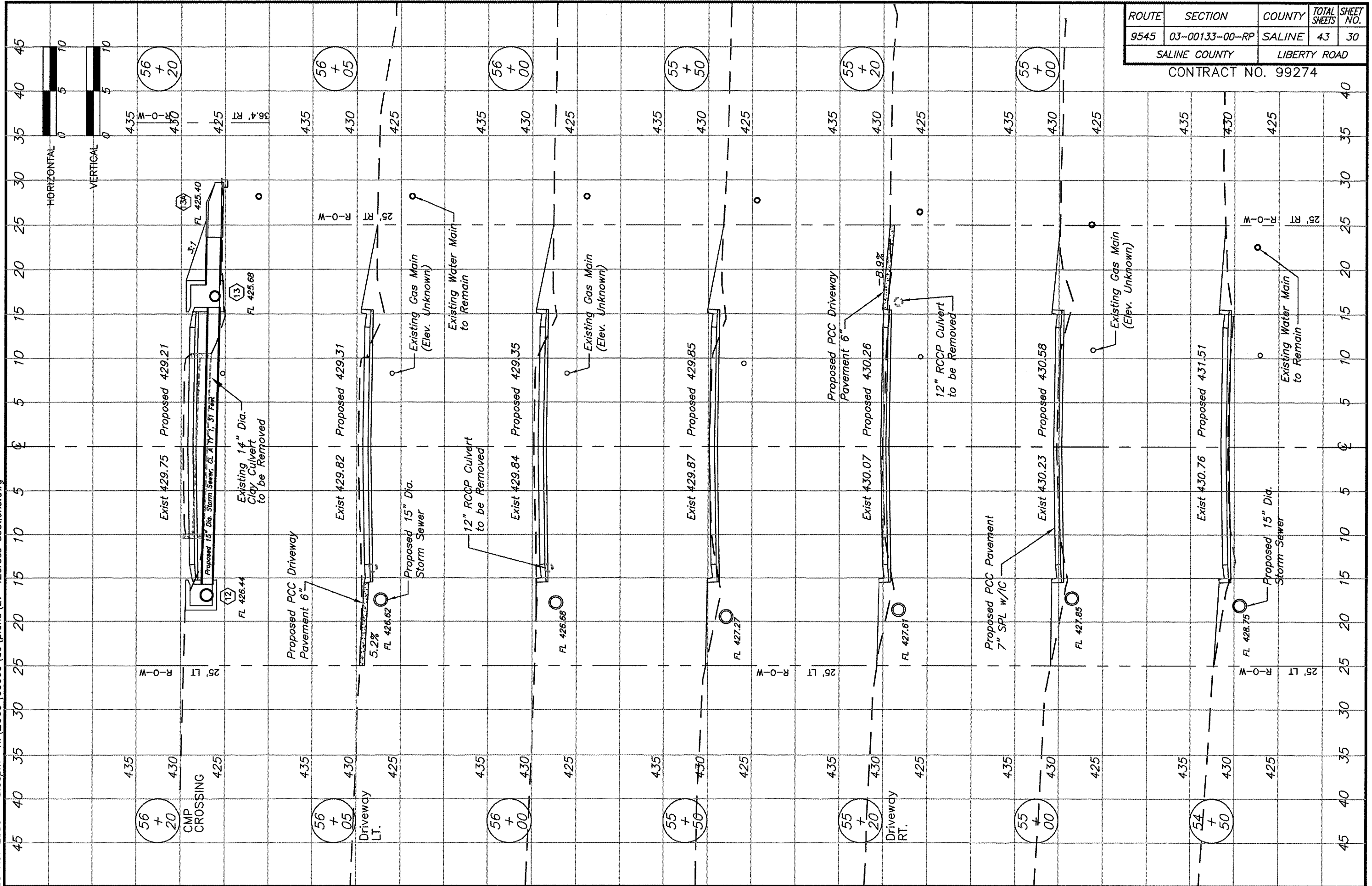
CONTRACT NO. 99274



STATION 52+54 TO 54+17

BROWN & ROBERTS, INC.

03 Nov 2006 - 3:58pm X:\2003\03060\ac\plans\27-42cross sections.dwg



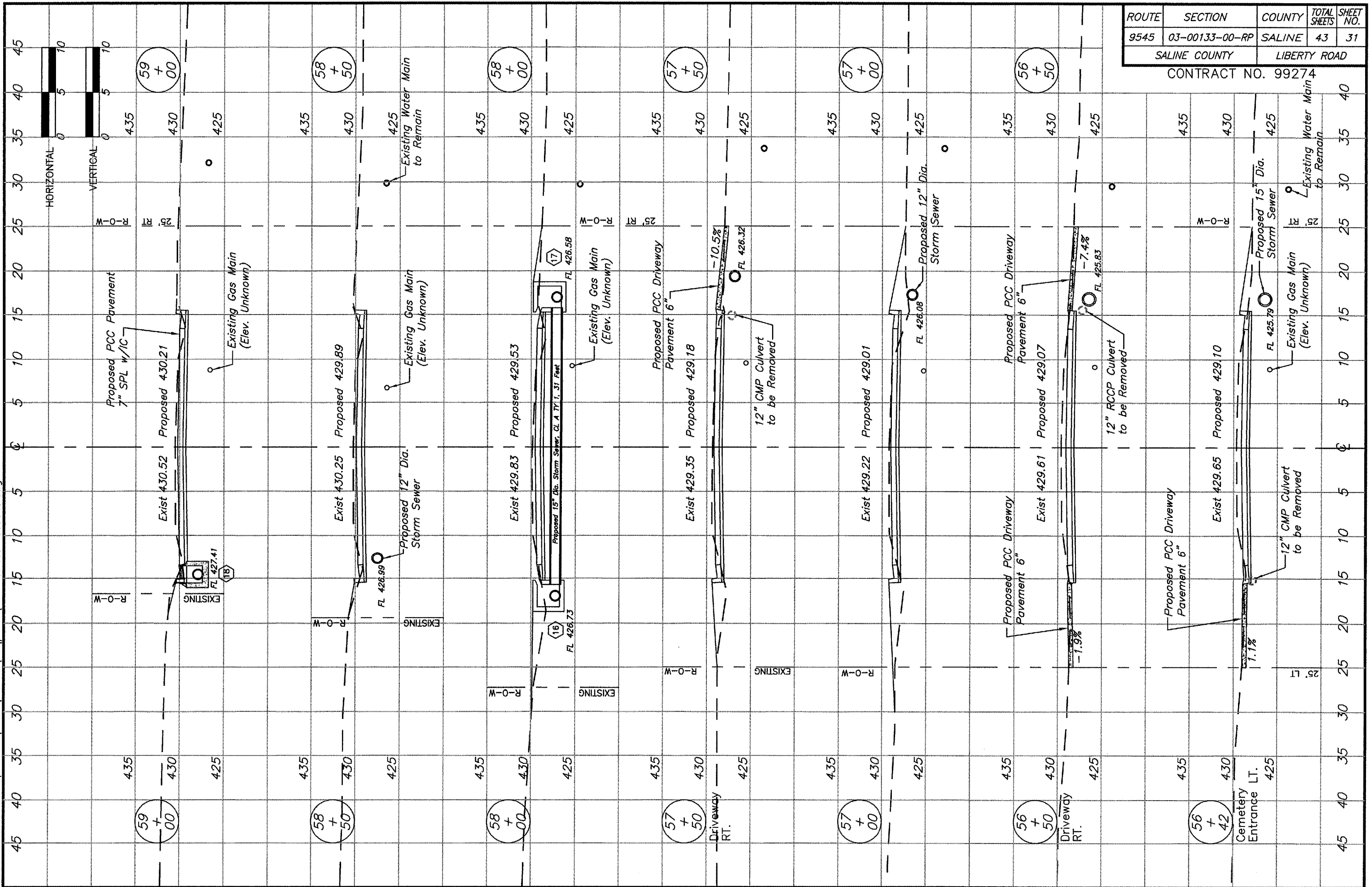
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9545	03-00133-00-RP	SALINE	43	30
SALINE COUNTY		LIBERTY ROAD		

CONTRACT NO. 99274

STATION 54+50 TO 56+20

BROWN & ROBERTS, INC.

03 Nov 2006 - 4:03pm X:\2003\03060\ac\plans\27-42cross sections.dwg



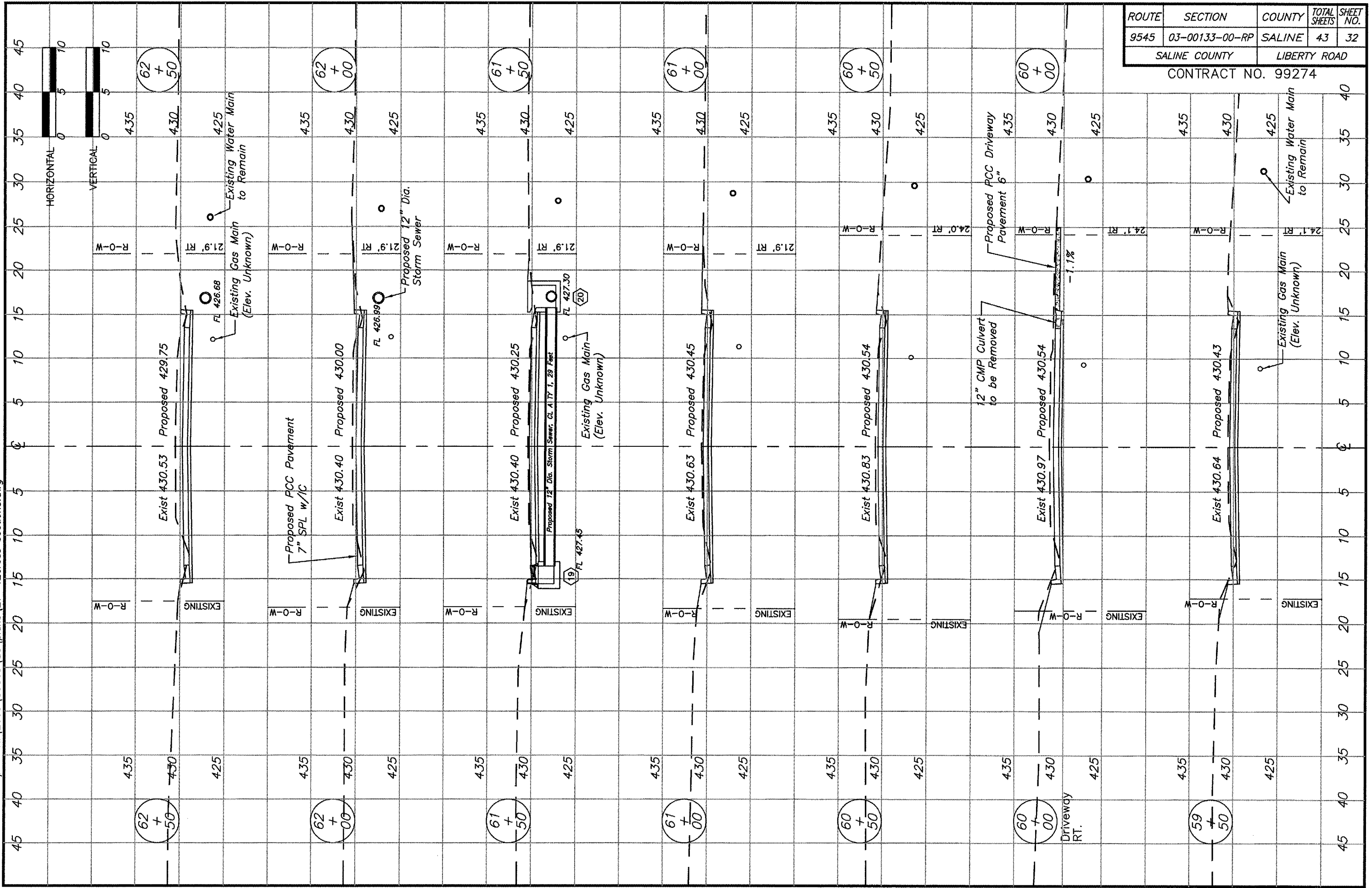
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9545	03-00133-00-RP	SALINE	43	31
SALINE COUNTY		LIBERTY ROAD		

CONTRACT NO. 99274

STATION 56+42 TO 59+00

BROWN & ROBERTS, INC.

03 Nov 2006 - 4:03pm X:\2003\03060\oc\plans\27-42cross sections.dwg



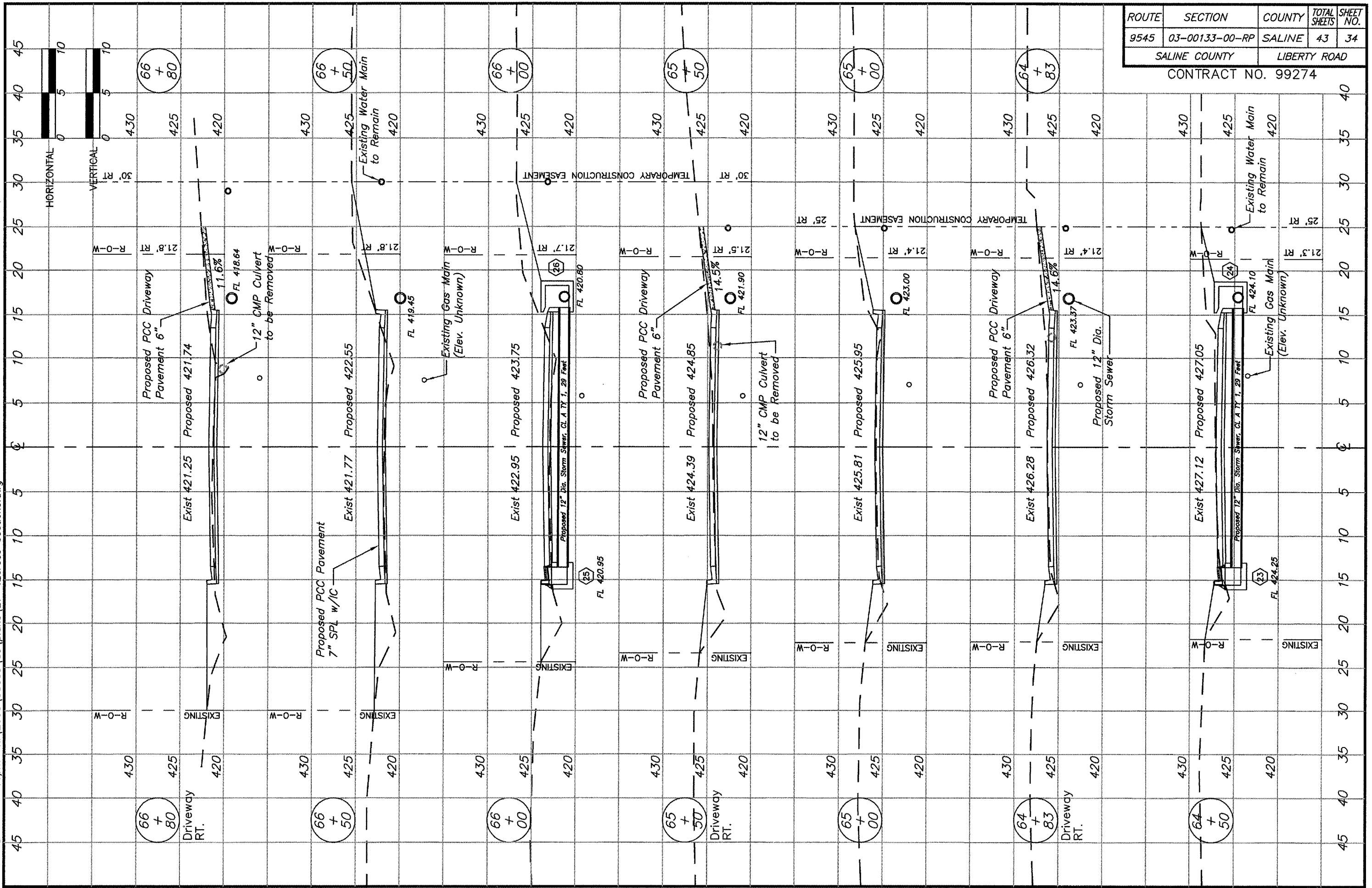
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9545	03-00133-00-RP	SALINE	43	32
SALINE COUNTY		LIBERTY ROAD		

CONTRACT NO. 99274

STATION 59+50 TO 62+50

BROWN & ROBERTS, INC.

03 Nov 2006 - 4:03pm X:\2003\03060\ac\plans\27-42cross sections.dwg



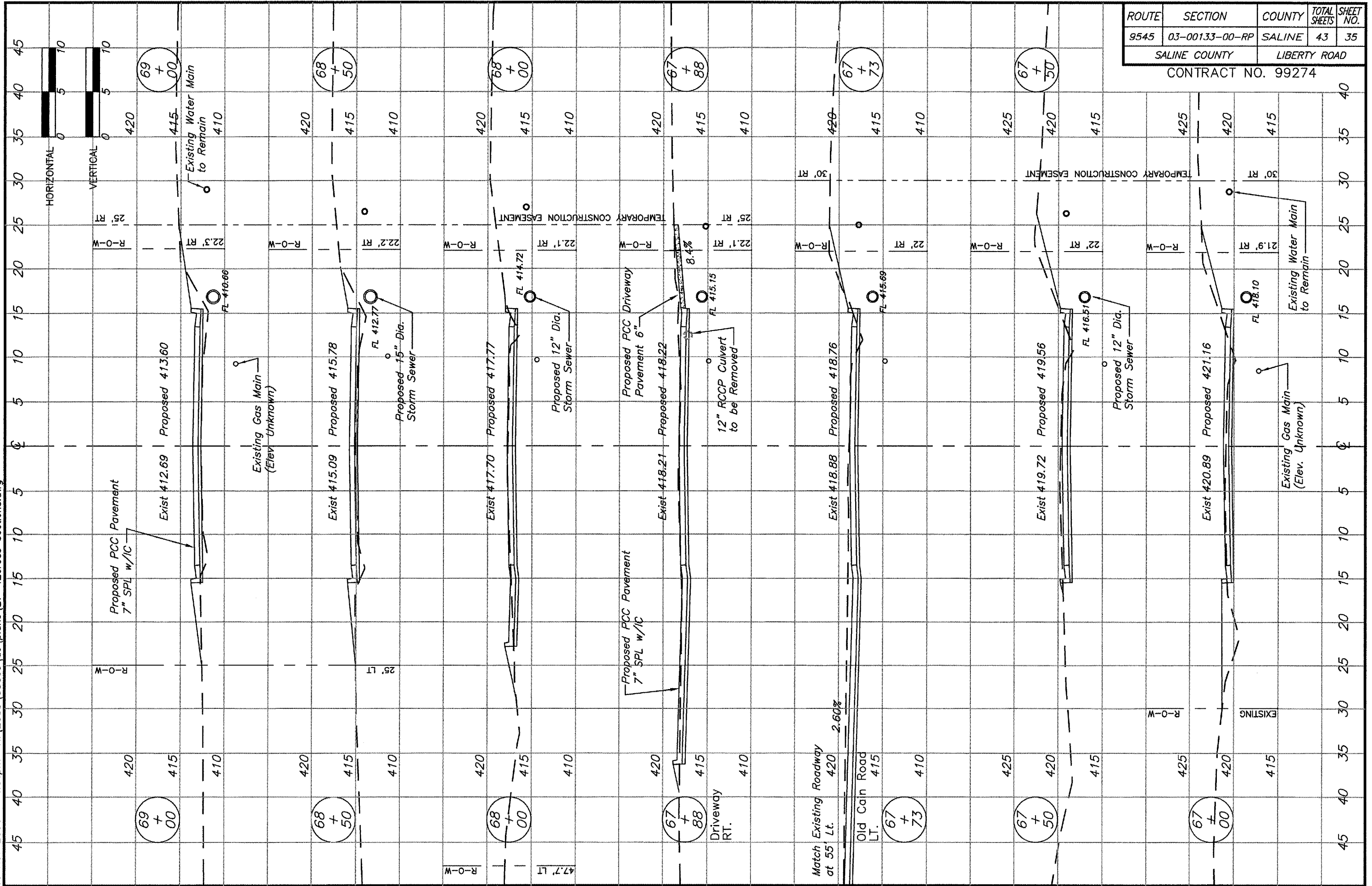
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9545	03-00133-00-RP	SALINE	43	34
SALINE COUNTY		LIBERTY ROAD		

CONTRACT NO. 99274

STATION 64+50 TO 66+80

BROWN & ROBERTS, INC.

03 Nov 2006 - 4:04pm X:\2003\03060\ac\plans\27-42cross sections.dwg



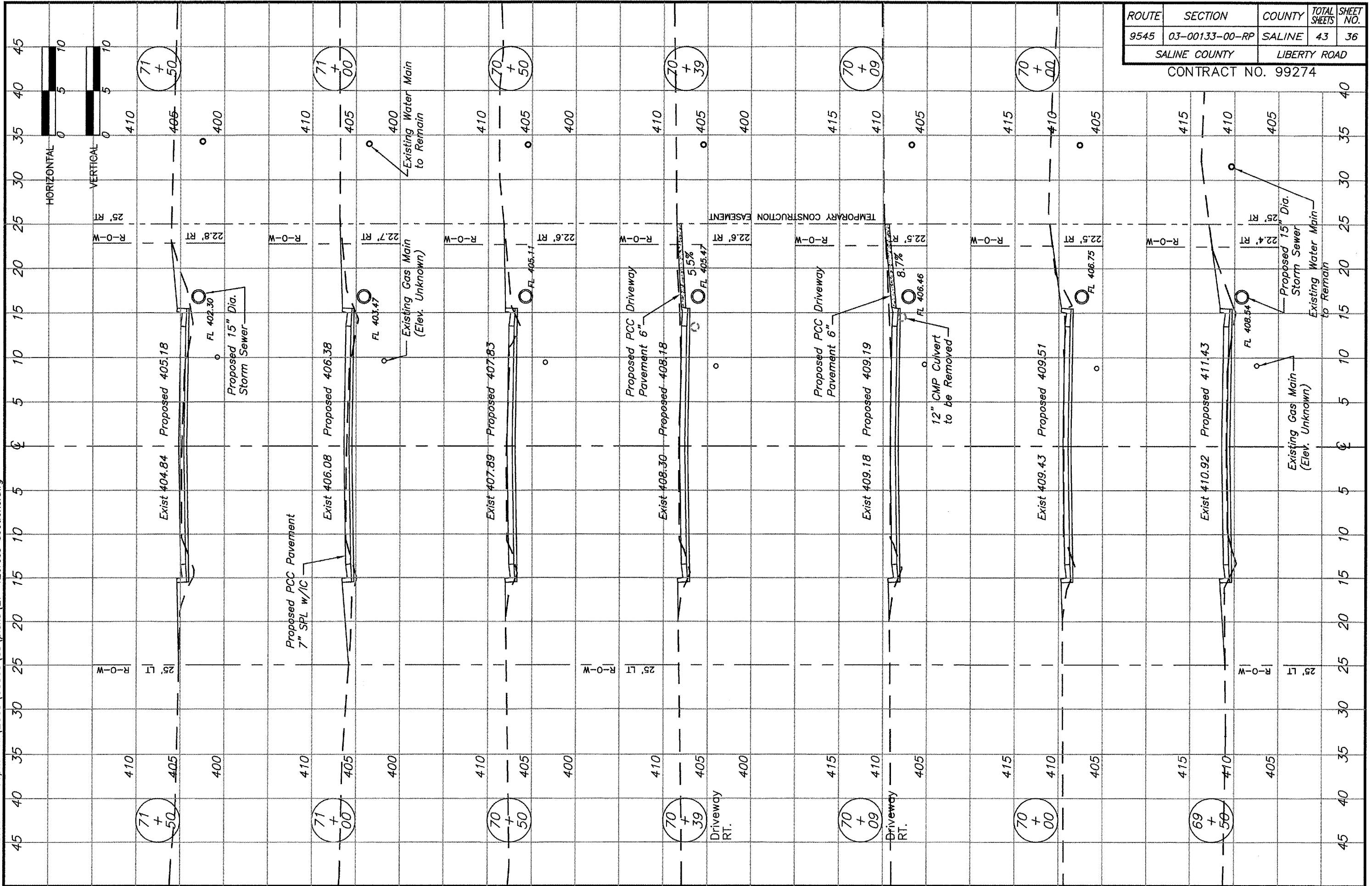
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9545	03-00133-00-RP	SALINE	43	35
SALINE COUNTY		LIBERTY ROAD		

CONTRACT NO. 99274

STATION 67+00 TO 69+00

BROWN & ROBERTS, INC.

03 Nov 2006 - 4:06pm X:\2003\03060\ac\plans\27-42cross sections.dwg



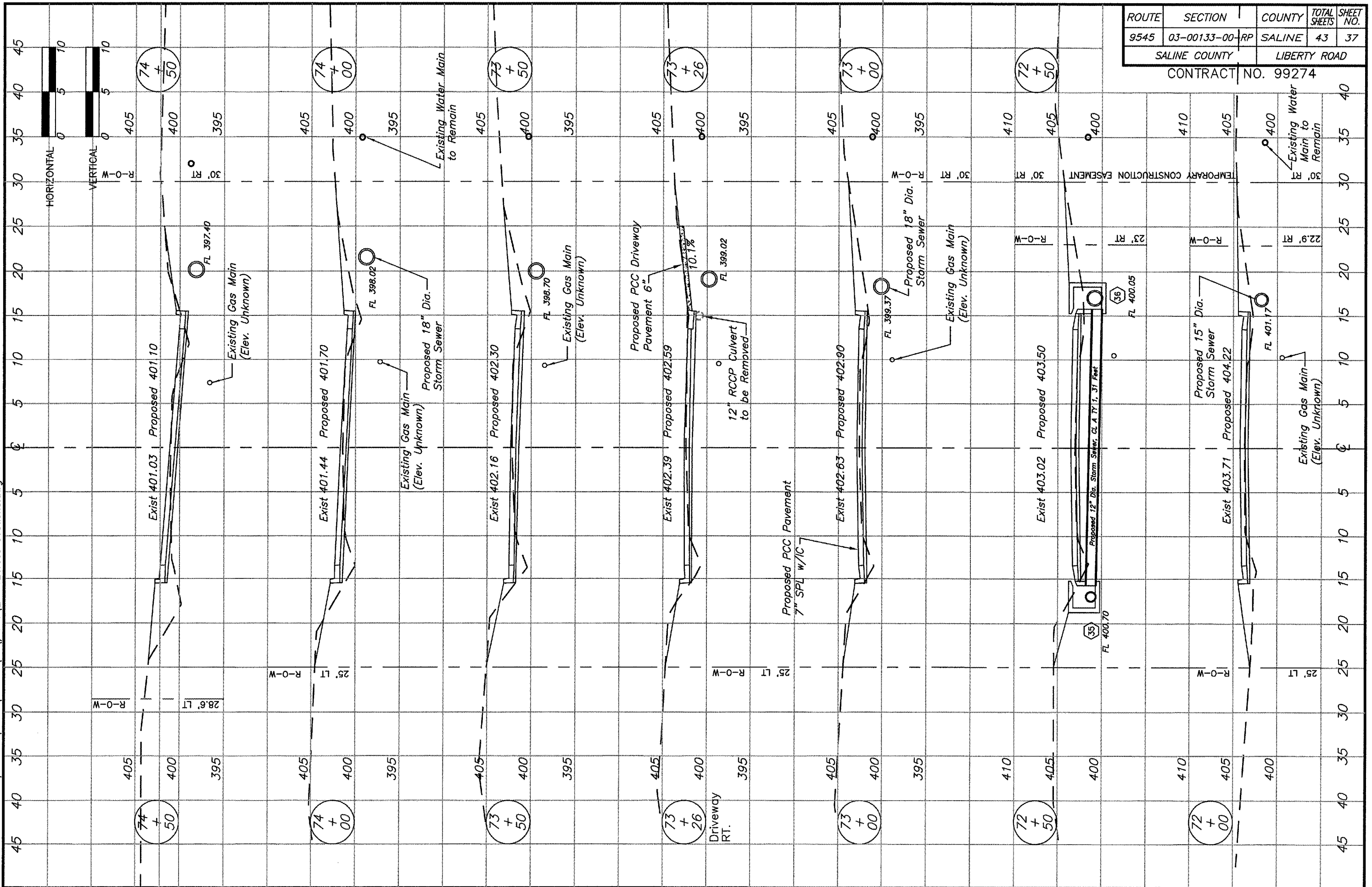
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9545	03-00133-00-RP	SALINE	43	36
SALINE COUNTY		LIBERTY ROAD		

CONTRACT NO. 99274

STATION 69+50 TO 71+50

BROWN & ROBERTS, INC.

03 Nov 2006 - 4:06pm X:\2003\03060\ac\plans\27-42cross sections.dwg



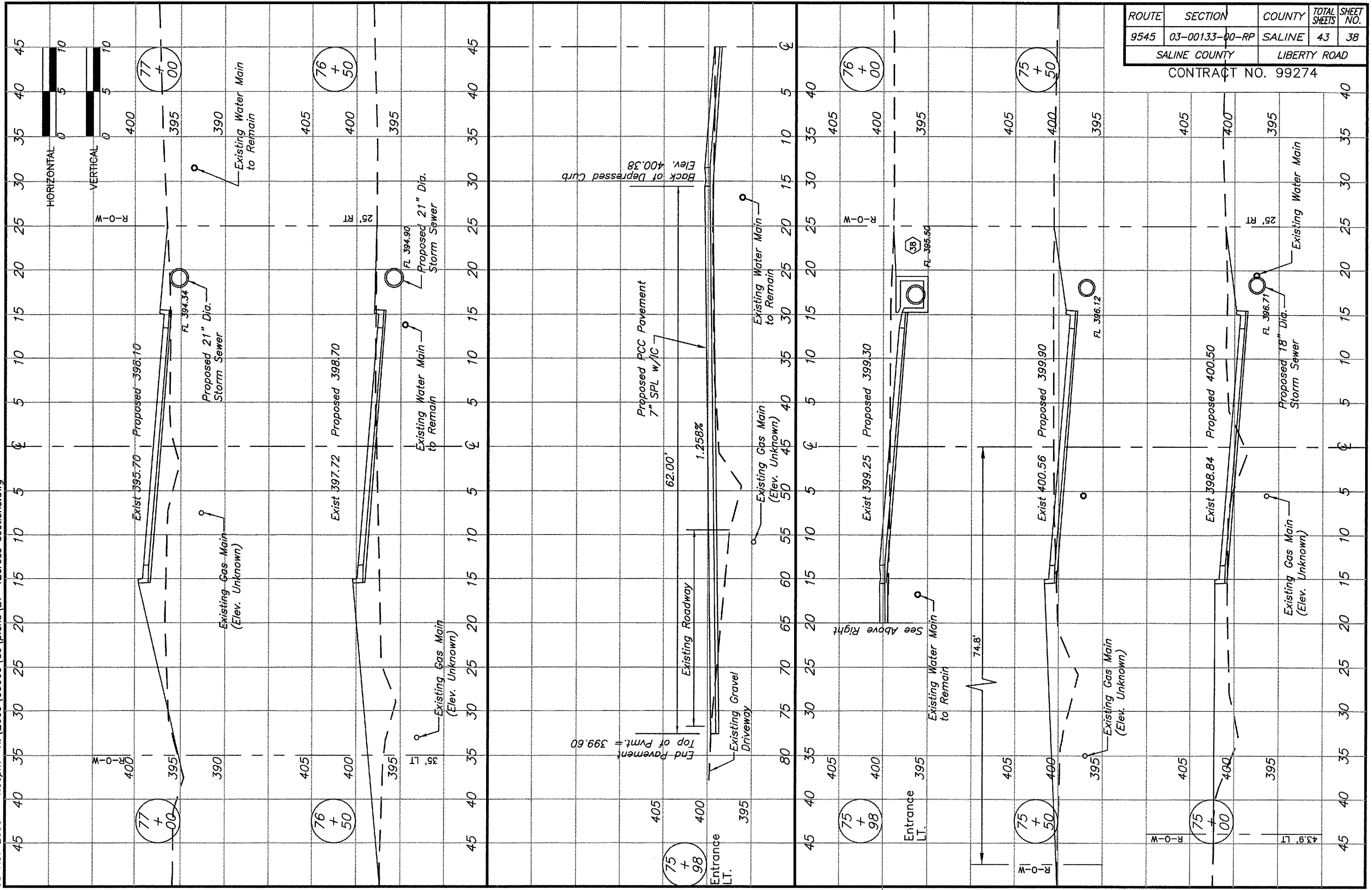
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9545	03-00133-00-RP	SALINE	43	37
SALINE COUNTY		LIBERTY ROAD		

CONTRACT NO. 99274

STATION 72+00 TO 74+50

BROWN & ROBERTS, INC.

03 Nov 2006 - 4:06pm X:\2003\03060\ac\plans\27-42cross sections.dwg

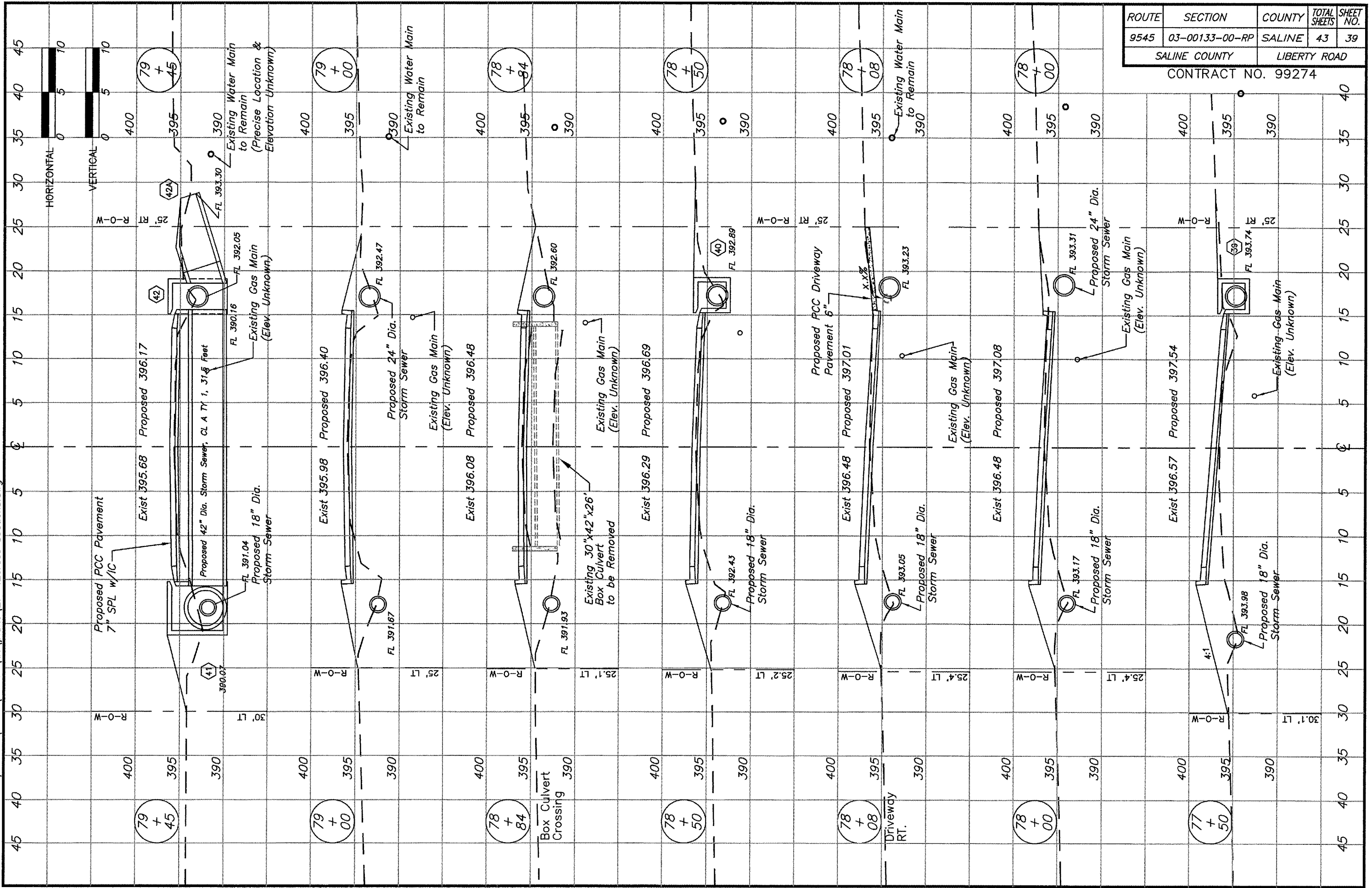


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9545	03-00133-00-RP	SALINE	43	38
SALINE COUNTY		LIBERTY ROAD		
CONTRACT NO. 99274				

STATION 75+00 TO 77+00

BROWN & ROBERTS, INC.

03 Nov 2006 - 4:09pm X:\2003\03060\ac\plans\27-42cross sections.dwg



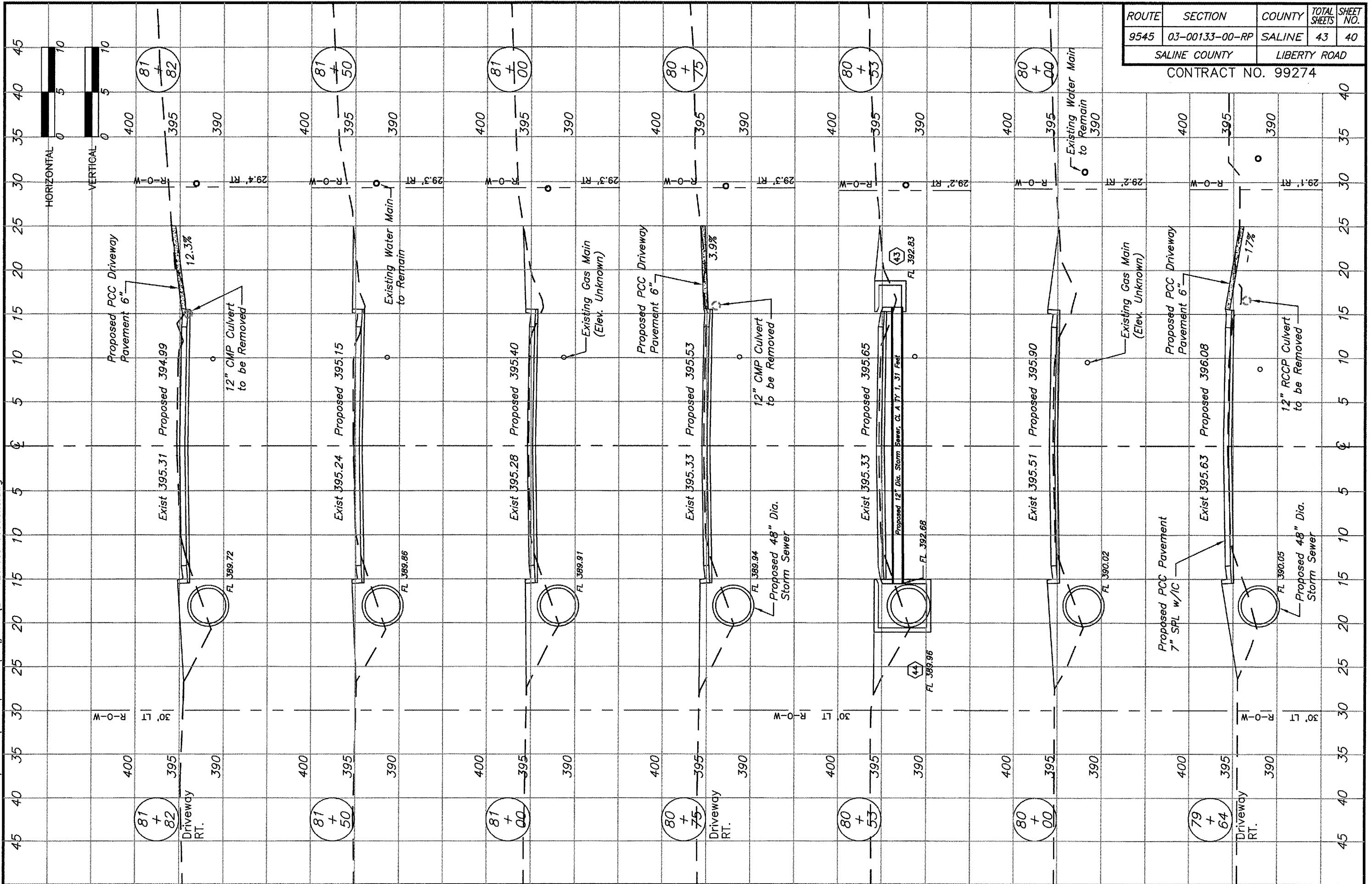
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9545	03-00133-00-RP	SALINE	43	39
SALINE COUNTY		LIBERTY ROAD		

CONTRACT NO. 99274

STATION 77+50 TO 79+50

BROWN & ROBERTS, INC.

03 Nov 2006 - 4:11pm X:\2003\03060\ac\plans\27-42\cross sections.dwg



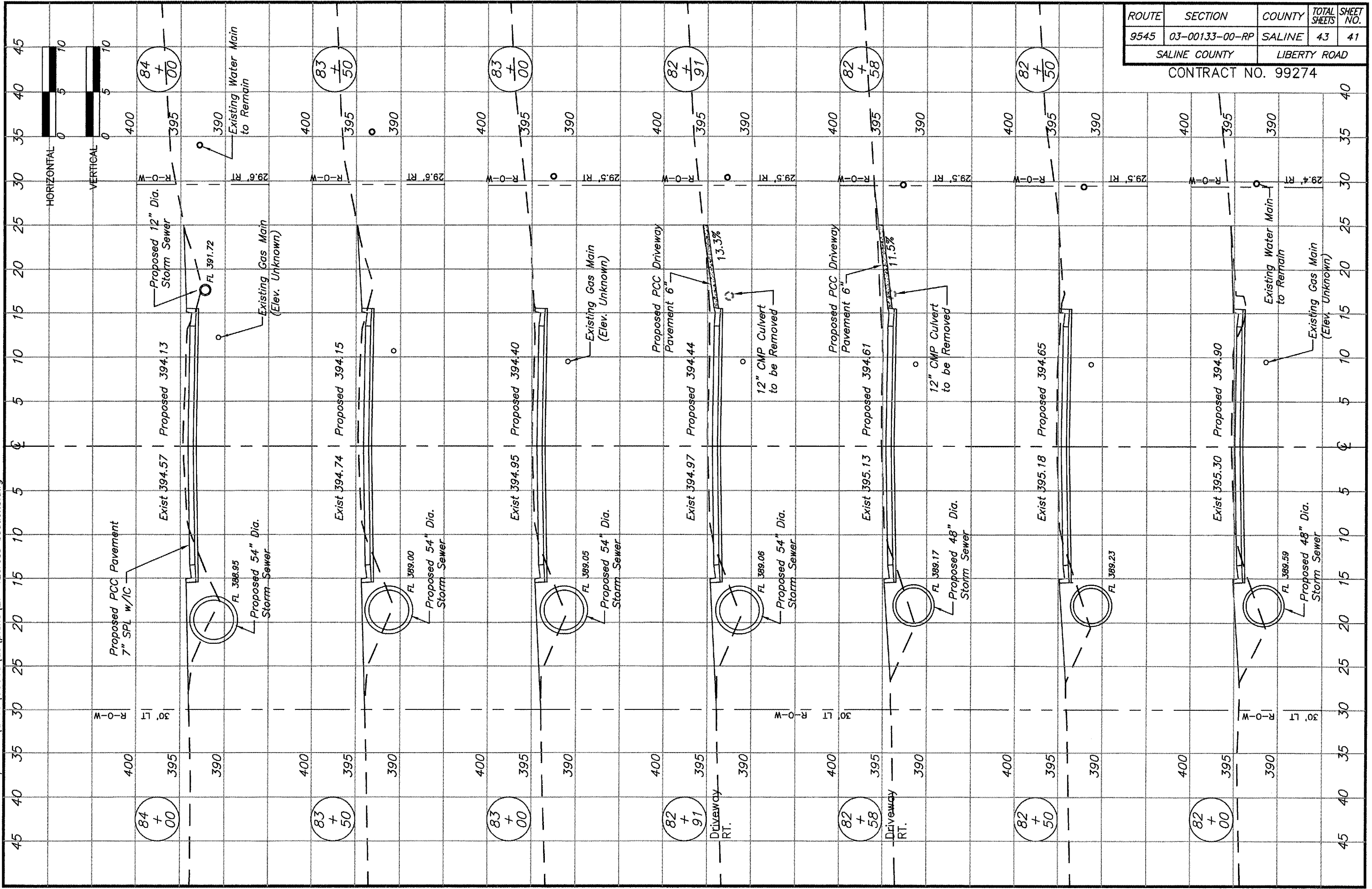
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9545	03-00133-00-RP	SALINE	43	40
SALINE COUNTY		LIBERTY ROAD		

CONTRACT NO. 99274

STATION 79+64 TO 81+82

BROWN & ROBERTS, INC.

03 Nov 2006 - 4:11pm X:\2003\03060\ac\plans\27-42\cross_sections.dwg



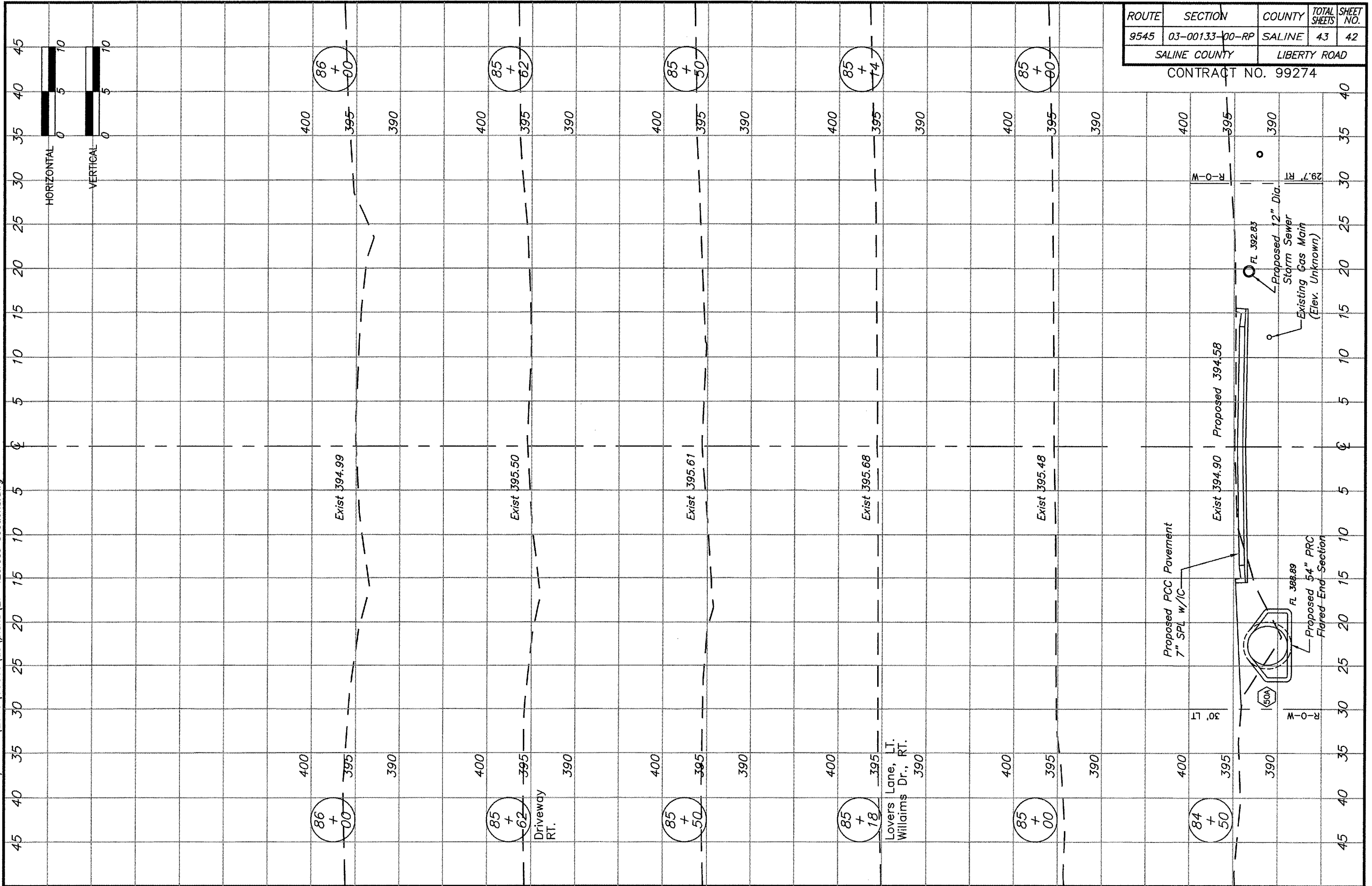
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9545	03-00133-00-RP	SALINE	43	41
SALINE COUNTY		LIBERTY ROAD		

CONTRACT NO. 99274

STATION 82+00 TO 84+00

BROWN & ROBERTS, INC.

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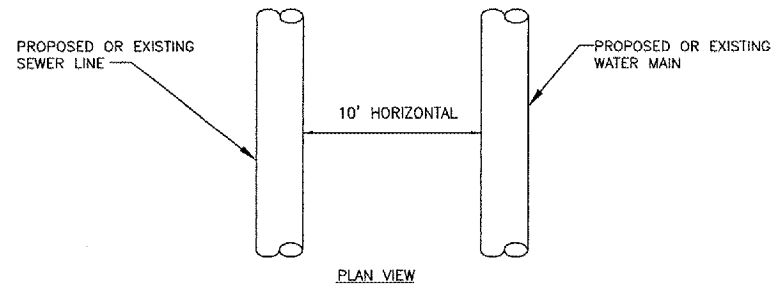
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9545	03-00133-00-RP	SALINE	43	42
SALINE COUNTY		LIBERTY ROAD		

CONTRACT NO. 99274

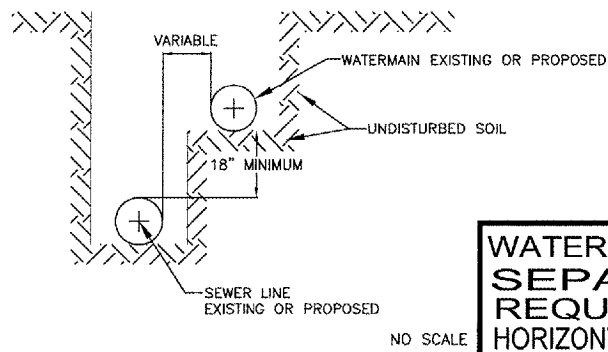
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9545	03-00133-00-RP	SALINE	43	43
SALINE COUNTY		LIBERTY ROAD		

CONTRACT NO. 99274

WHEN PROPOSED SEWER (OR WATER) IS LOCATED 10 FEET OR MORE FROM EXISTING WATER (OR SEWER), NO SPECIAL CONSTRUCTION REQUIRED. SEE SECTION 41-2.01B (1)



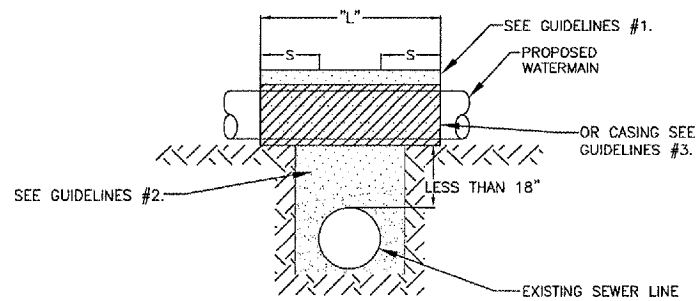
WHEN PROPOSED SEWER (OR WATER) IS LOCATED LESS THAN 10 FEET FROM EXISTING WATER (OR SEWER), DETAILS BELOW SHALL APPLY. SEE SECTION 41-2.01B (2)



WATER AND SEWER SEPARATION REQUIREMENTS HORIZONTAL SEPARATION

PROPOSED WATERMAIN ABOVE EXISTING SEWER LINE WITH LESS THAN 18" VERTICAL SEPARATION.

NOTE: COMPACTION REQUIREMENTS REFER TO 20-2.20B



GUIDELINES

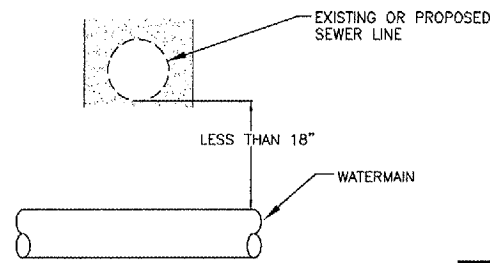
1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATERMAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L".
2. IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
3. USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED WATERMAIN AND SEAL ENDS OF CASING.
4. POINT LOADS SHALL NOT BE ALLOWED BETWEEN MAIN CASING AND SEWER.

NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO EXISTING SEWER LINE.

WATER AND SEWER SEPARATION REQUIREMENTS VERTICAL SEPARATION

NOTE:
THE CONSTRUCTION OF THE WATER MAINS ON THIS PROJECT SHALL BE PERFORMED ACCORDING TO THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", 5TH EDITION, MAY 1996, AS REQUIRED BY 35 IL. ADM CODE 652.102(a).

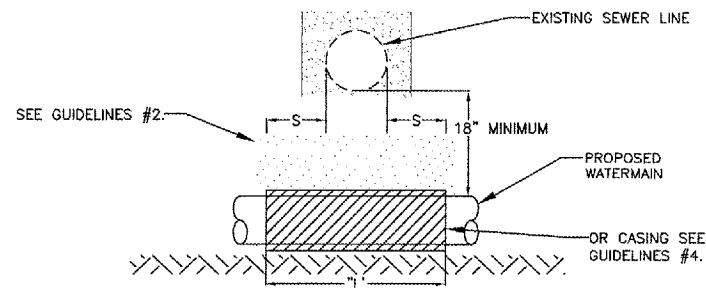
PLACEMENT OF WATERMAIN BELOW EXISTING OR PROPOSED SEWER LINE WITH LESS THAN 18" MINIMUM VERTICAL SEPARATION. NOT ALLOWED



WATER AND SEWER SEPARATION REQUIREMENTS VERTICAL SEPARATION

PROPOSED WATERMAIN BELOW EXISTING SEWER LINE WITH 18" MINIMUM VERTICAL SEPARATION.

NOTE: COMPACTION REQUIREMENTS REFER TO 20-2.20B



GUIDELINES

1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATERMAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L".
2. IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
3. PROVIDE ADEQUATE SUPPORT FOR EXISTING SEWER LINE TO PREVENT DAMAGE DUE TO SETTLEMENT.
4. USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED WATERMAIN AND SEAL ENDS OF CASING.

NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO EXISTING SEWER LINE.

WATER AND SEWER SEPARATION REQUIREMENTS VERTICAL SEPARATION

