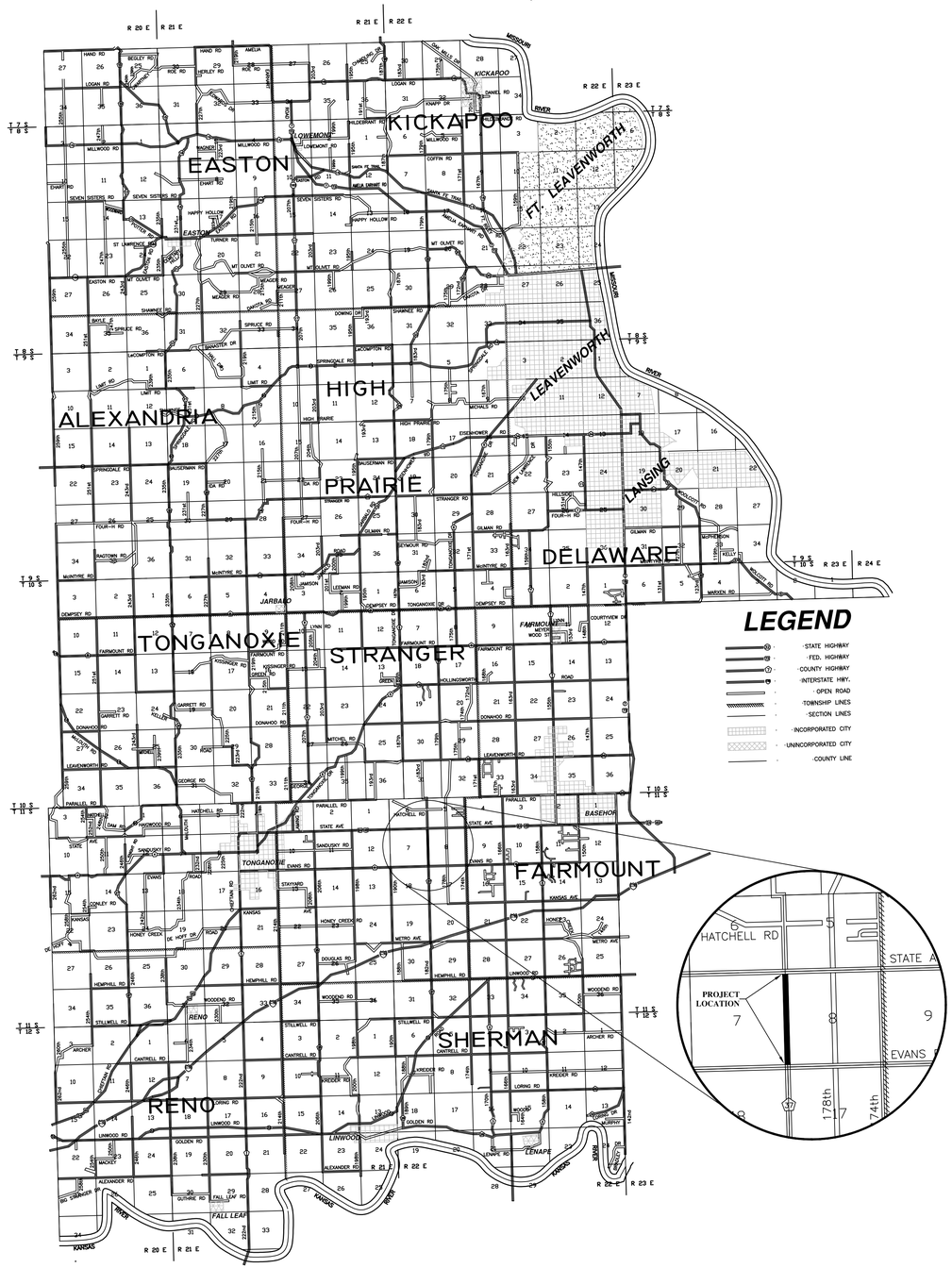
182nd Street (Hwy. 24/40 to Evans Road)

Geometric Improvements and Surface Upgrade

LEAVENWORTH COUNTY, KANSAS



UTILITIES

POWER
WESTAR
913–667–5111

TELEPHONE
AT&T
913–676–1208

WATER
SUBURBAN WATER
913–724–1800

CABLE
??

KANSAS ONE-CALL (DIG SAFE)
800–344–7233

PLAN INDEX

1. COVER SHEET
2–5. PLAN AND PROFILE SHEET
6–15. CROSS–SECTIONS
15. VOLUME TABLE

REFERENCES

1. ALL SURVEY DATA AND INFORMATION ILLUSTRATED OR REFERENCED ON THESE PLANS, AND ALL THE PERMANENT ROAD EASEMENT DESCRIPTIONS AND EXHIBITS PREPARED FOR THIS PROJECT AND FILED WITH THE REGISTER OF DEEDS, WERE PREPARED BY ROGER B. DILL, LS–1408, LEVEL 4 ENGINEERING, LLC.

LEGEND

- CENTERLINE
- OHP — OHP — OVERHEAD POWERLINE
- UGT — UGT — UNDERGROUND TELEPHONE
- WATER LINE
- TREE LINE
- TREE (VARIES)
- SIGN
- TELE PED. — TELEPHONE PEDESTAL
- WV — WATER VALVE
- MAILBOX
- WATER METER
- FIRE HYDRANT
- TREE OR BUSH TO BE REMOVED
- POWER POLE AND GUY WIRE
- EXISTING GRAVEL ROAD SURFACE
- EXISTING CHIP–SEAL ROAD SURFACE
- PROPOSED CHIP–SEAL ROAD SURFACE

APPROVED BY: _____ MICHAEL SPICKELMIER, COUNTY ENGINEER _____ DATE

LEAVENWORTH COUNTY
Public Works Department
Leavenworth County Courthouse
300 Walnut, Suite No. 7
Leavenworth, KS 66048

LEAVENWORTH DEPARTMENT OF PUBLIC WORKS COUNTY

No.	Date	Revisions	By	App.
6				
5				
4				
3				
2	01/28/14	Updated SCHEMPP fence location from survey data.	MGS	MGS
1	01/28/14	Updated BRANDT fence location from survey data.	MGS	MGS

182nd Street (Hwy. 24/40 to Evans Road)
Geometric Improvements and Surface Upgrade
Cover Sheet

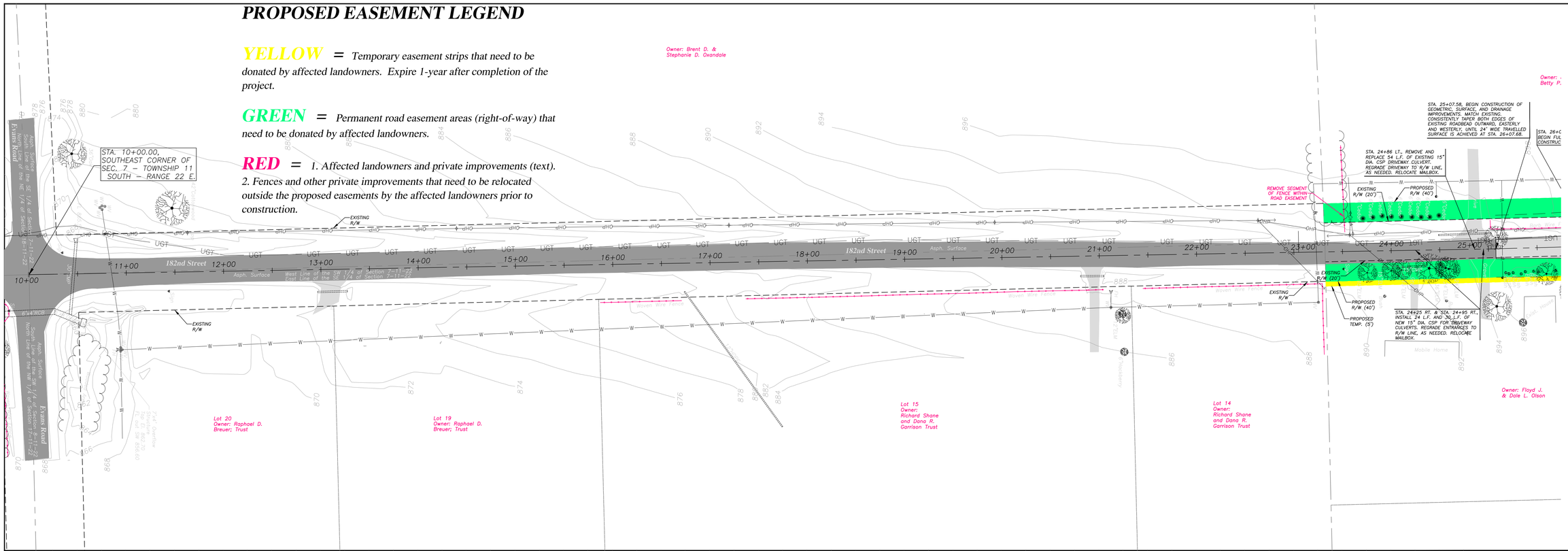
Date:	07/28/08
Designed:	MGS
Drawn:	MGS
Checked:	N/A
Approved:	MWS
Project No.:	N/A
Sheet No.:	1

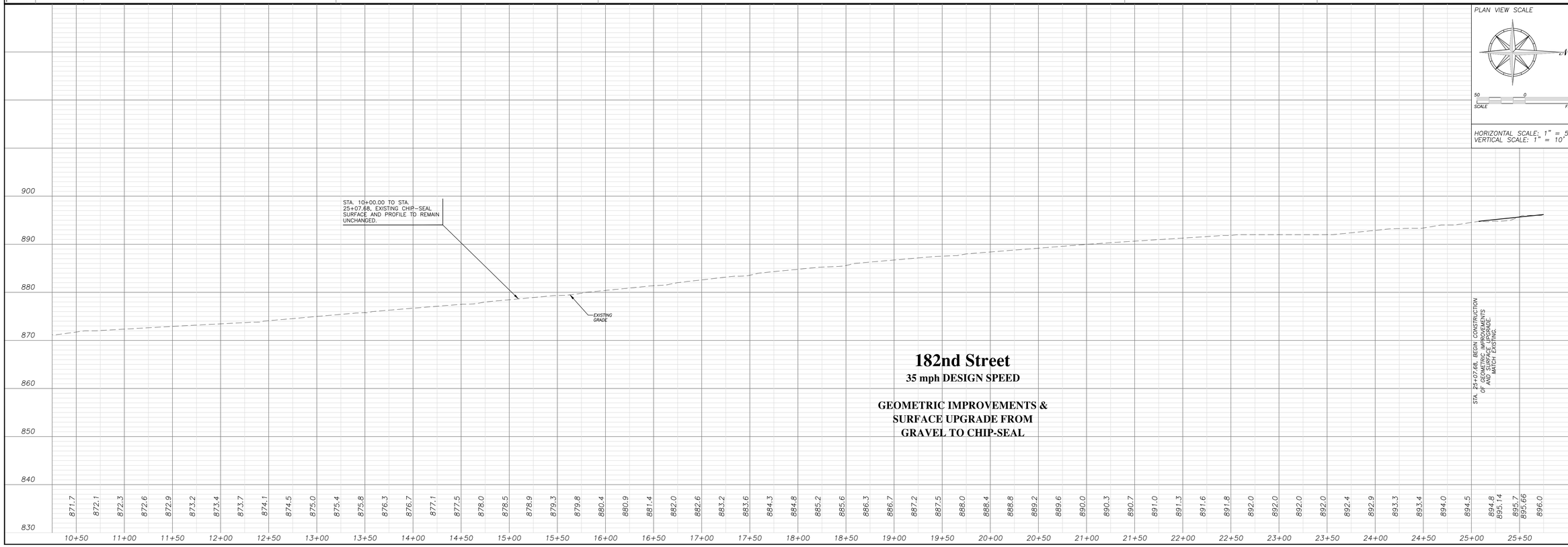
PROPOSED EASEMENT LEGEND

YELLOW = *Temporary easement strips that need to be donated by affected landowners. Expire 1-year after completion of the project.*

GREEN = *Permanent road easement areas (right-of-way) that need to be donated by affected landowners.*

RED = *1. Affected landowners and private improvements (text).*
2. Fences and other private improvements that need to be relocated outside the proposed easements by the affected landowners prior to construction.





182nd Street
35 mph DESIGN SPEED

GEOMETRIC IMPROVEMENTS & SURFACE UPGRADE FROM GRAVEL TO CHIP-SEAL

LEAVENWORTH COUNTY
Public Works Department
Leavenworth County Courthouse
300 Walnut, Suite No. 7
Leavenworth, KS 66048

No.	Date	Revisions	By	App.
6				
5				
4				
3				
2				
1				

182nd Street (Hwy. 24/40 to Evans Road)
Geometric Improvements and Surface Upgrade
Plan and Profile

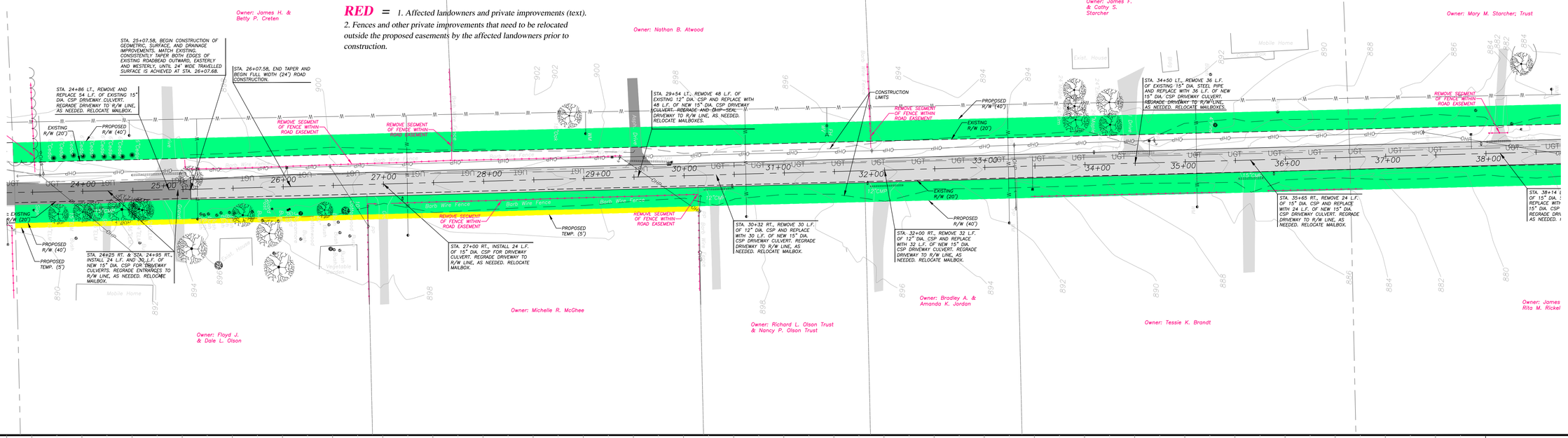
Date:	07/28/08
Designed:	MGS
Drawn:	MGS
Checked:	N/A
Approved:	MWS
Project No.:	N/A
Sheet No.:	2

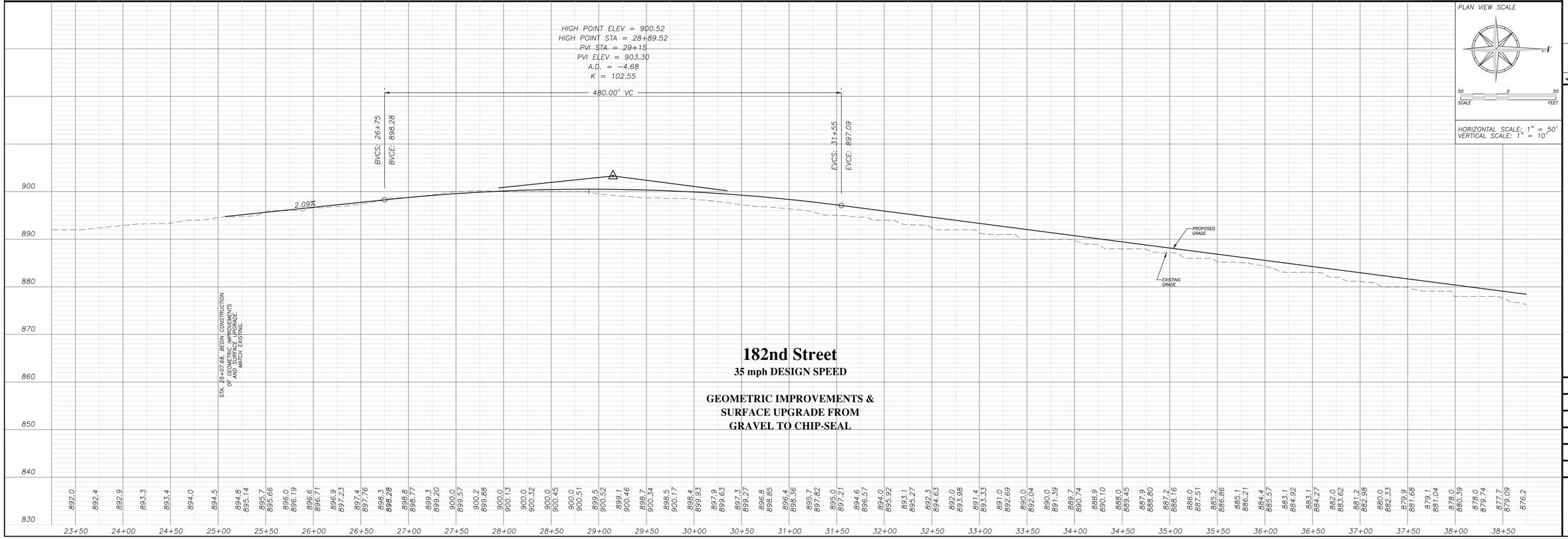
PROPOSED EASEMENT LEGEND

YELLOW = *Temporary easement strips that need to be donated by affected landowners. Expire 1-year after completion of the project.*

GREEN = *Permanent road easement areas (right-of-way) that need to be donated by affected landowners.*

RED = *1. Affected landowners and private improvements (text).*
2. Fences and other private improvements that need to be relocated outside the proposed easements by the affected landowners prior to construction.





LEAVENWORTH COUNTY
Public Works Department
Leavenworth County Courthouse
300 Walnut, Suite No. 7
Leavenworth, KS 66048

No.	Date	Revisions	By	App.
1	01/28/14	Updated BRANDT fence location from survey data.	MGS	MGS
2				
3				
4				
5				
6				

182nd Street (Hwy. 24/40 to Evans Road)
Geometric Improvements and Surface Upgrade
Plan and Profile

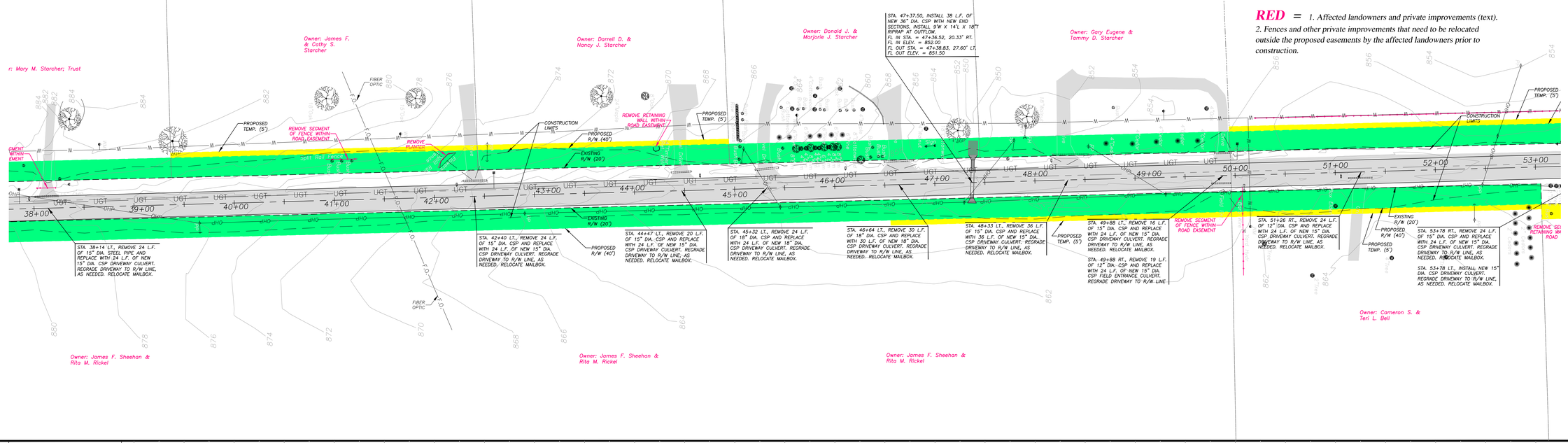
Date:	07/28/08
Designed:	MGS
Drawn:	MGS
Checked:	N/A
Approved:	MWS
Project No.:	N/A
Sheet No.:	3

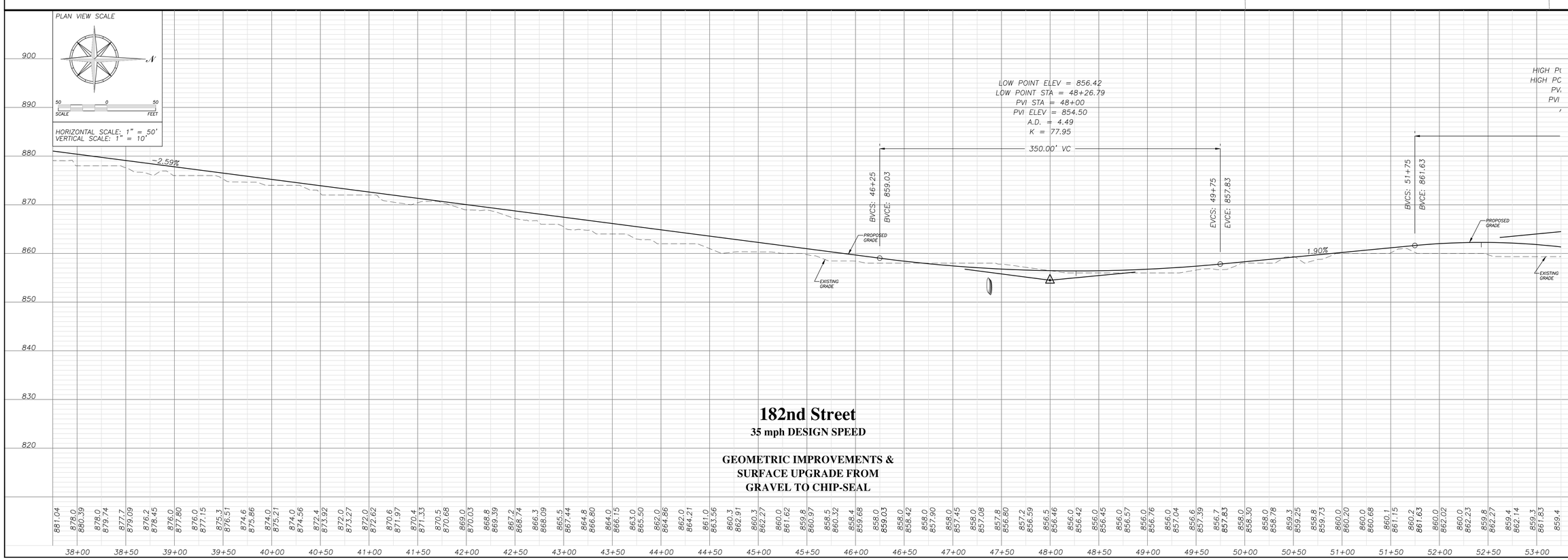
PROPOSED EASEMENT LEGEND

YELLOW = *Temporary easement strips that need to be donated by affected landowners. Expire 1-year after completion of the project.*

GREEN = *Permanent road easement areas (right-of-way) that need to be donated by affected landowners.*

RED = *1. Affected landowners and private improvements (text).*
2. Fences and other private improvements that need to be relocated outside the proposed easements by the affected landowners prior to construction.





182nd Street

35 mph DESIGN SPEED

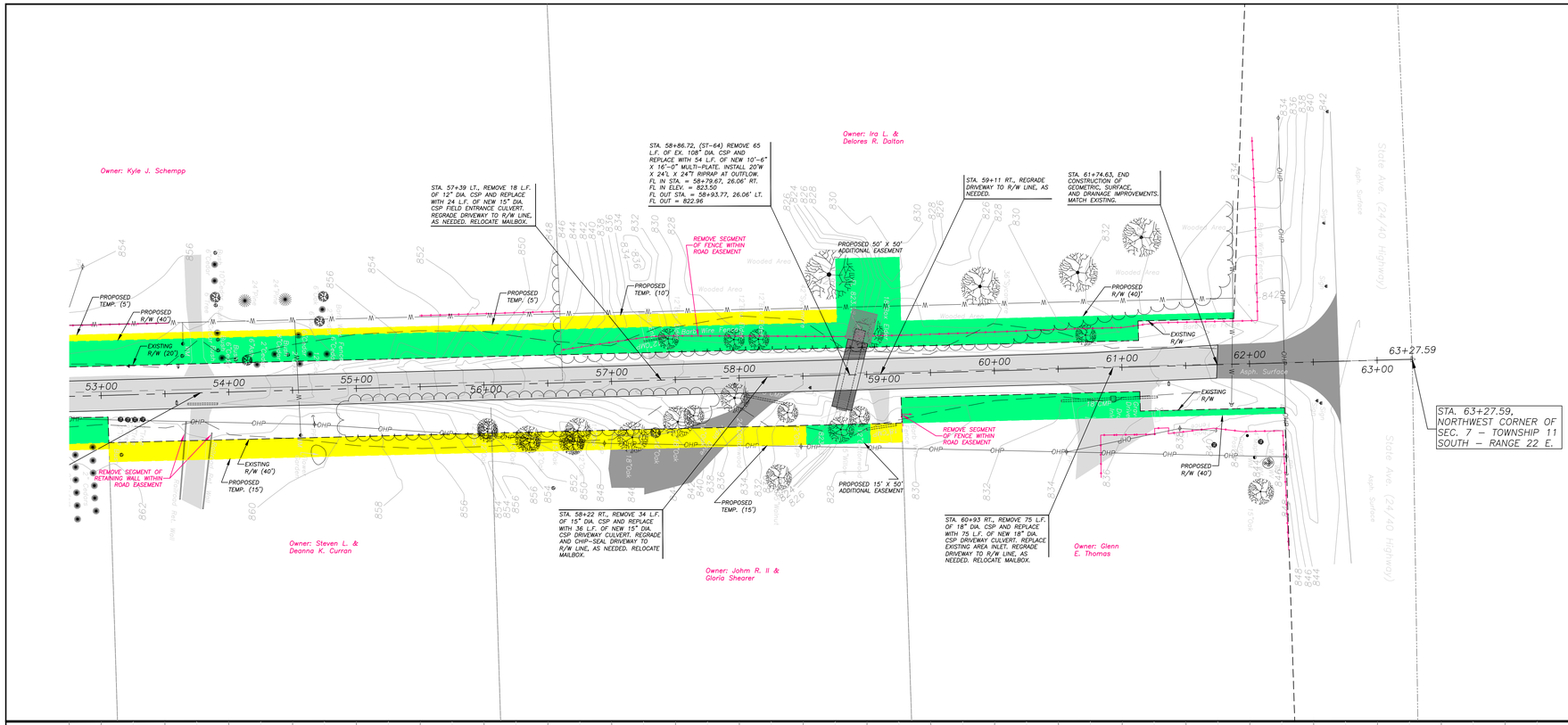
GEOMETRIC IMPROVEMENTS & SURFACE UPGRADE FROM GRAVEL TO CHIP-SEAL

LEAVENWORTH COUNTY
Public Works Department
Leavenworth County Courthouse
300 Walnut, Suite No. 7
Leavenworth, KS 66048

No.	Date	Revisions	By	App.
6				
5				
4				
3				
2				
1	01/28/14	Updated SCHEMPP fence location from survey data.	MGS	MGS

182nd Street (Hwy. 24/40 to Evans Road)
Geometric Improvements and Surface Upgrade
Plan and Profile

Date:	07/28/08
Designed:	MGS
Drawn:	MGS
Checked:	N/A
Approved:	MWS
Project No.:	N/A
Sheet No.:	4

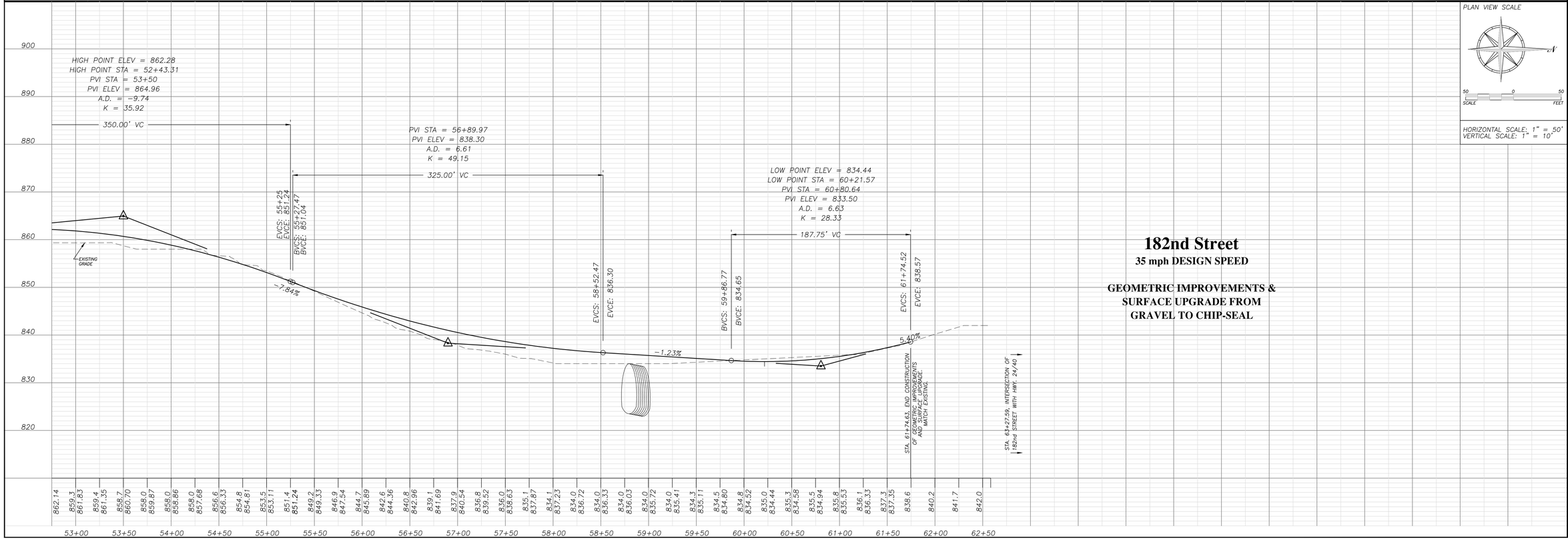


PROPOSED EASEMENT LEGEND

YELLOW = *Temporary easement strips that need to be donated by affected landowners. Expire 1-year after completion of the project.*

GREEN = *Permanent road easement areas (right-of-way) that need to be donated by affected landowners.*

RED = *1. Affected landowners and private improvements (text).*
2. Fences and other private improvements that need to be relocated outside the proposed easements by the affected landowners prior to construction.



182nd Street

35 mph DESIGN SPEED

GEOMETRIC IMPROVEMENTS & SURFACE UPGRADE FROM GRAVEL TO CHIP-SEAL

HORIZONTAL SCALE: 1" = 50'
VERTICAL SCALE: 1" = 10'

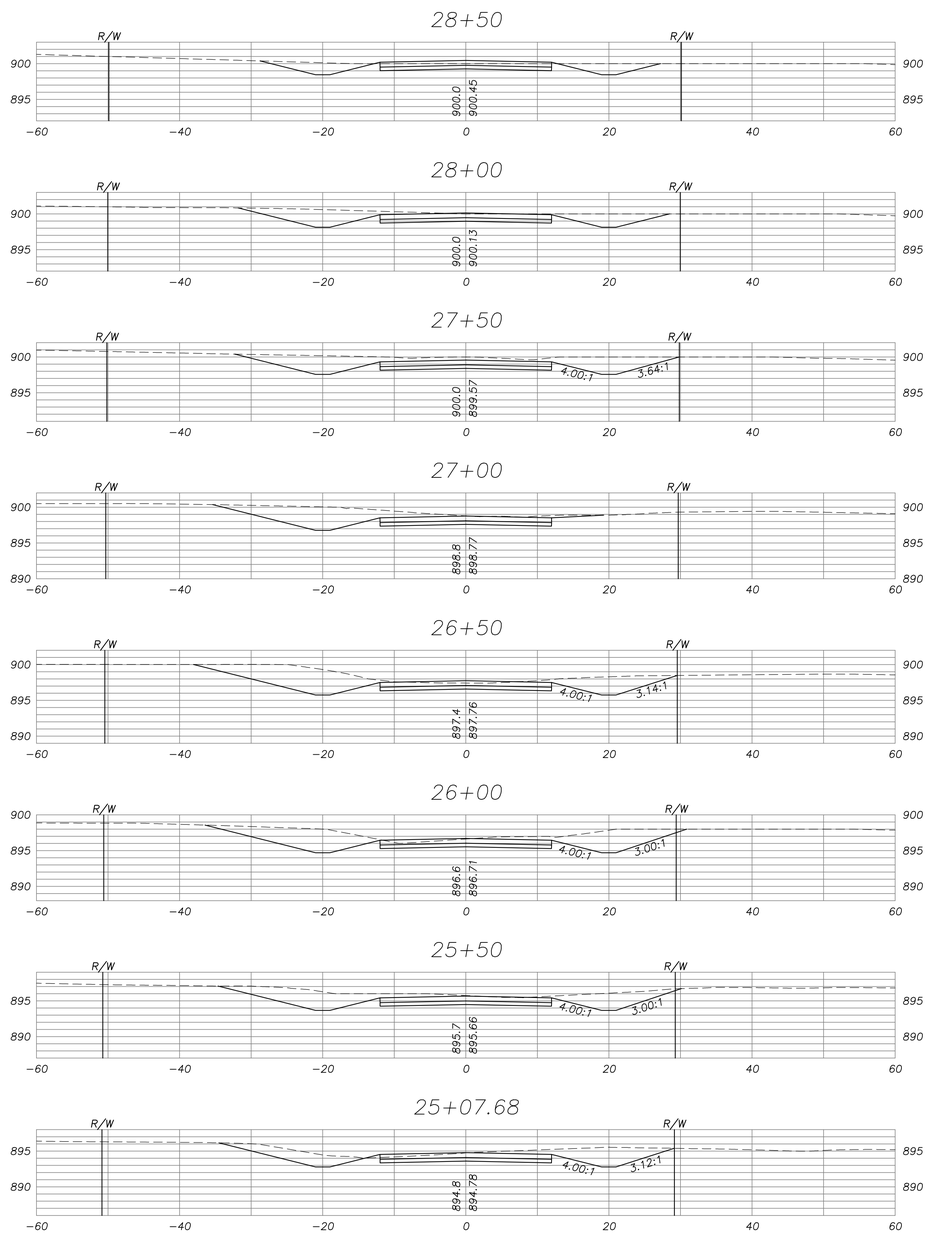
LEAVENWORTH COUNTY
Public Works Department
Leavenworth County Courthouse
300 Walnut, Suite No. 7
Leavenworth, KS 66048

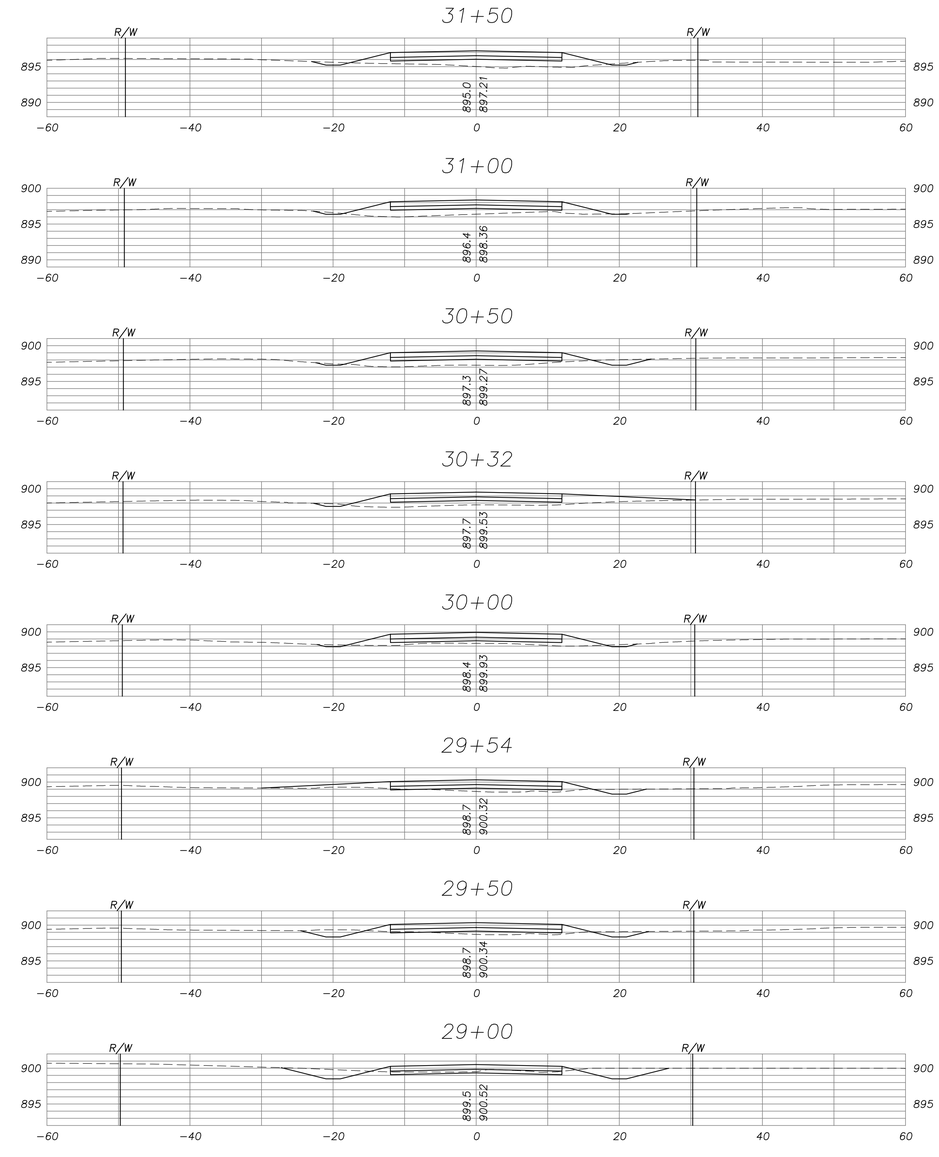
No.	Date	Revisions	By	App.
6				
5				
4				
3				
2				
1	01/28/14	Updated SCHEMPP fence location from survey data.	MGS	MGS

182nd Street (Hwy. 24/40 to Evans Road)

Geometric Improvements and Surface Upgrade
Plan and Profile

Date:	07/28/08
Designed:	MGS
Drawn:	MGS
Checked:	N/A
Approved:	MWS
Project No.:	N/A
Sheet No.:	5



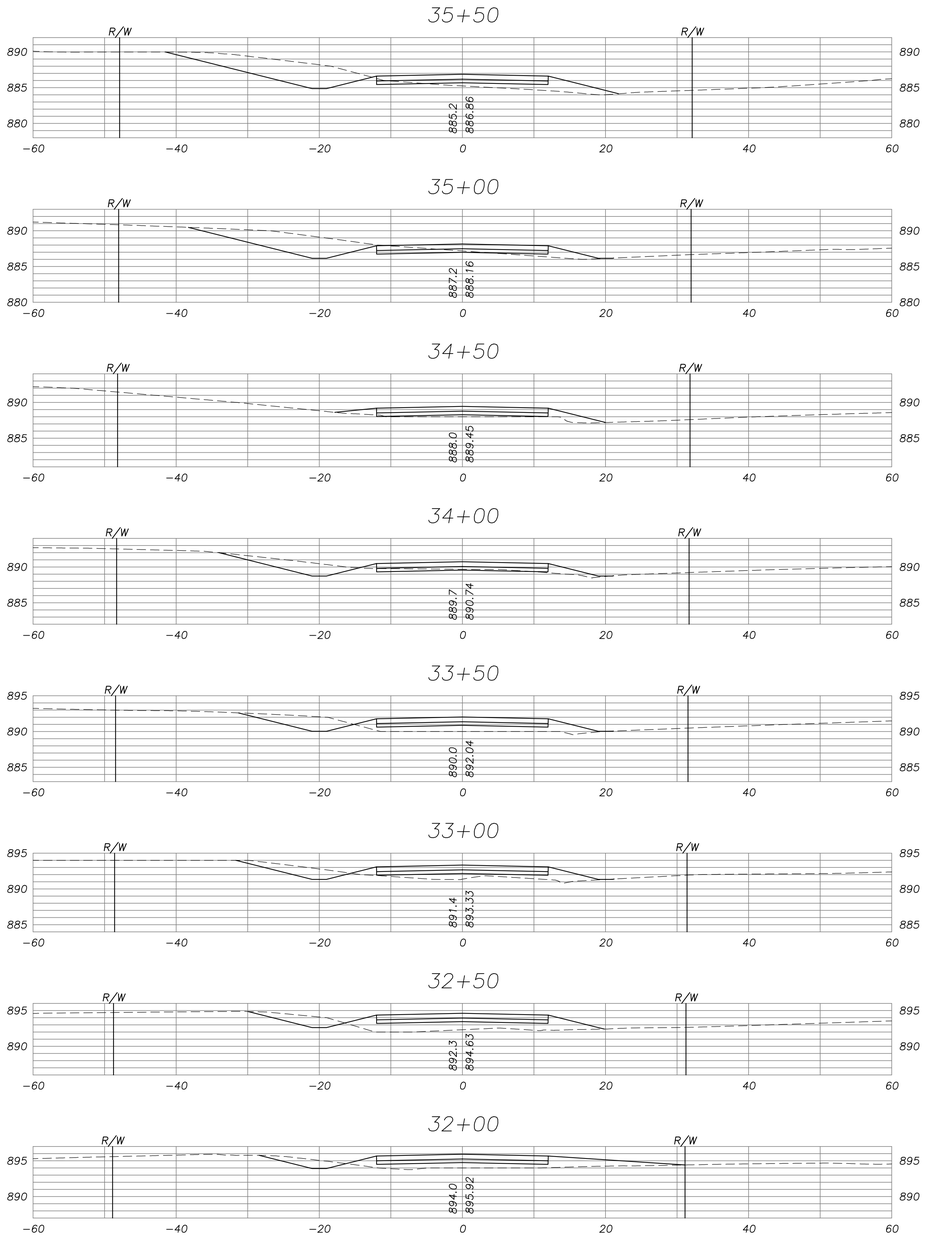


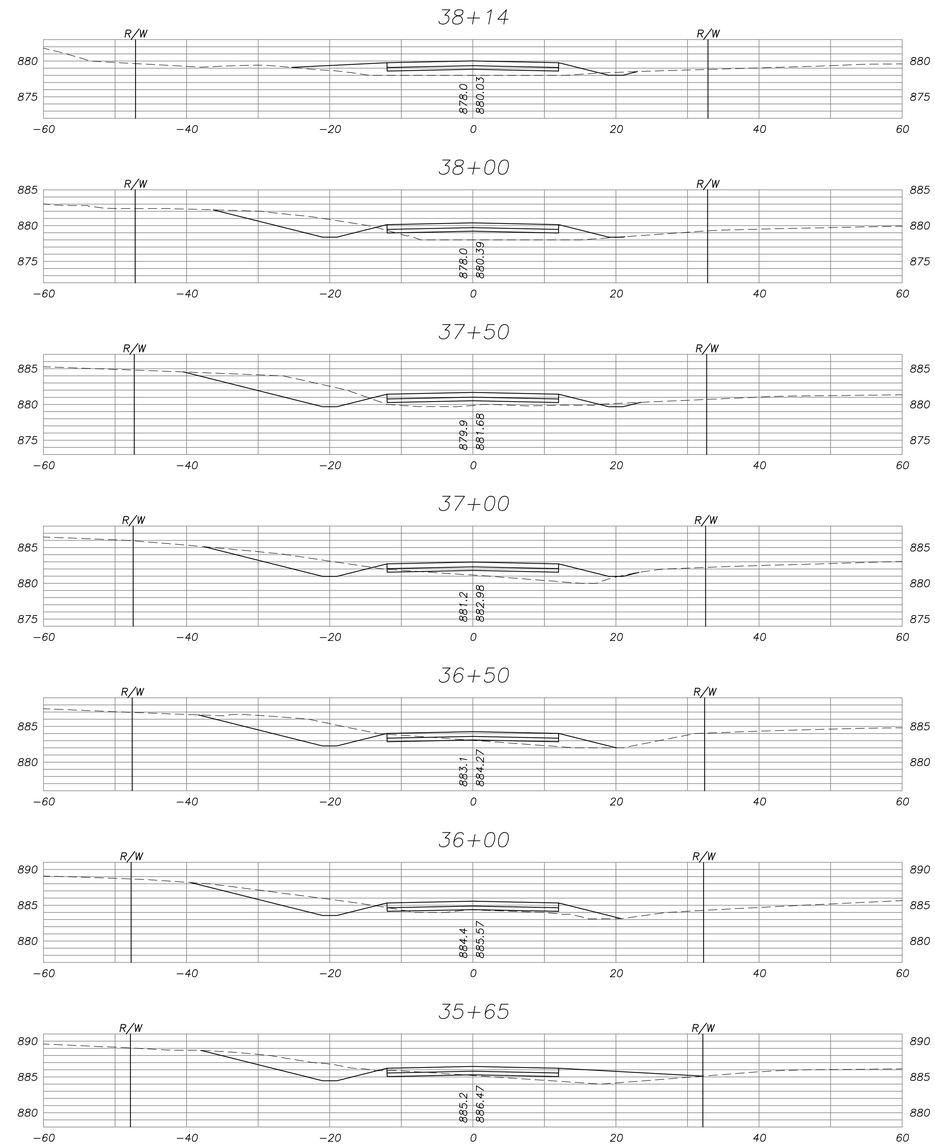
LEAVENWORTH COUNTY
Public Works Department
Leavenworth County Courthouse
300 Walnut, Suite No. 7
Leavenworth, KS 66048

No.	Date	Revisions	By	App.
6				
5				
4				
3				
2				
1				

182nd Street (Hwy. 24/40 to Evans Road)
Geometric Improvements and Surface Upgrade
Cross Sections
Sta.25+07.68 to Sta. 31+50.00

Date:	07/28/08
Designed:	MGS
Drawn:	MGS
Checked:	N/A
Approved:	MWS
Project No.:	N/A
Sheet No.:	6





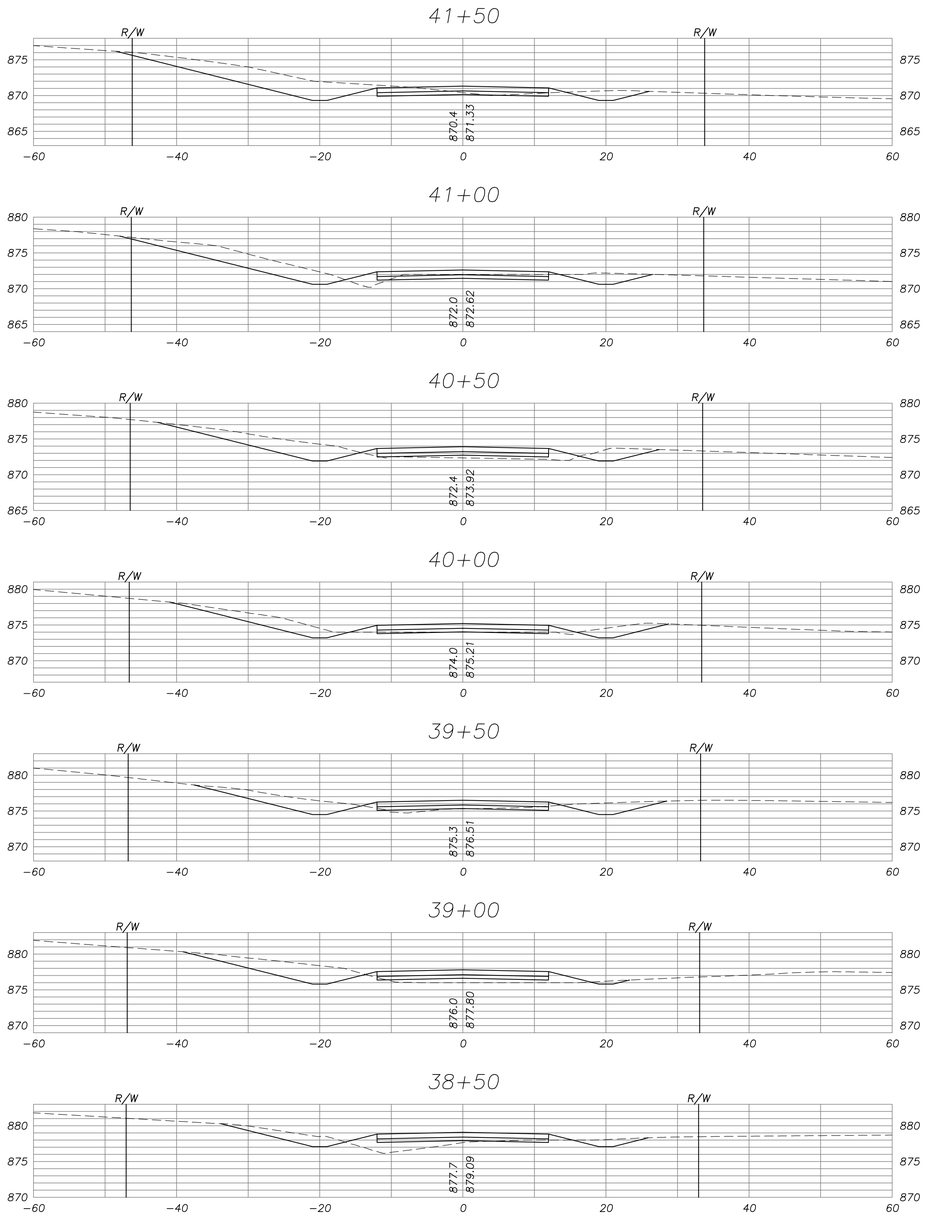
LEAVENWORTH COUNTY
Public Works Department
Leavenworth County Courthouse
300 Walnut, Suite No. 7
Leavenworth, KS 66048

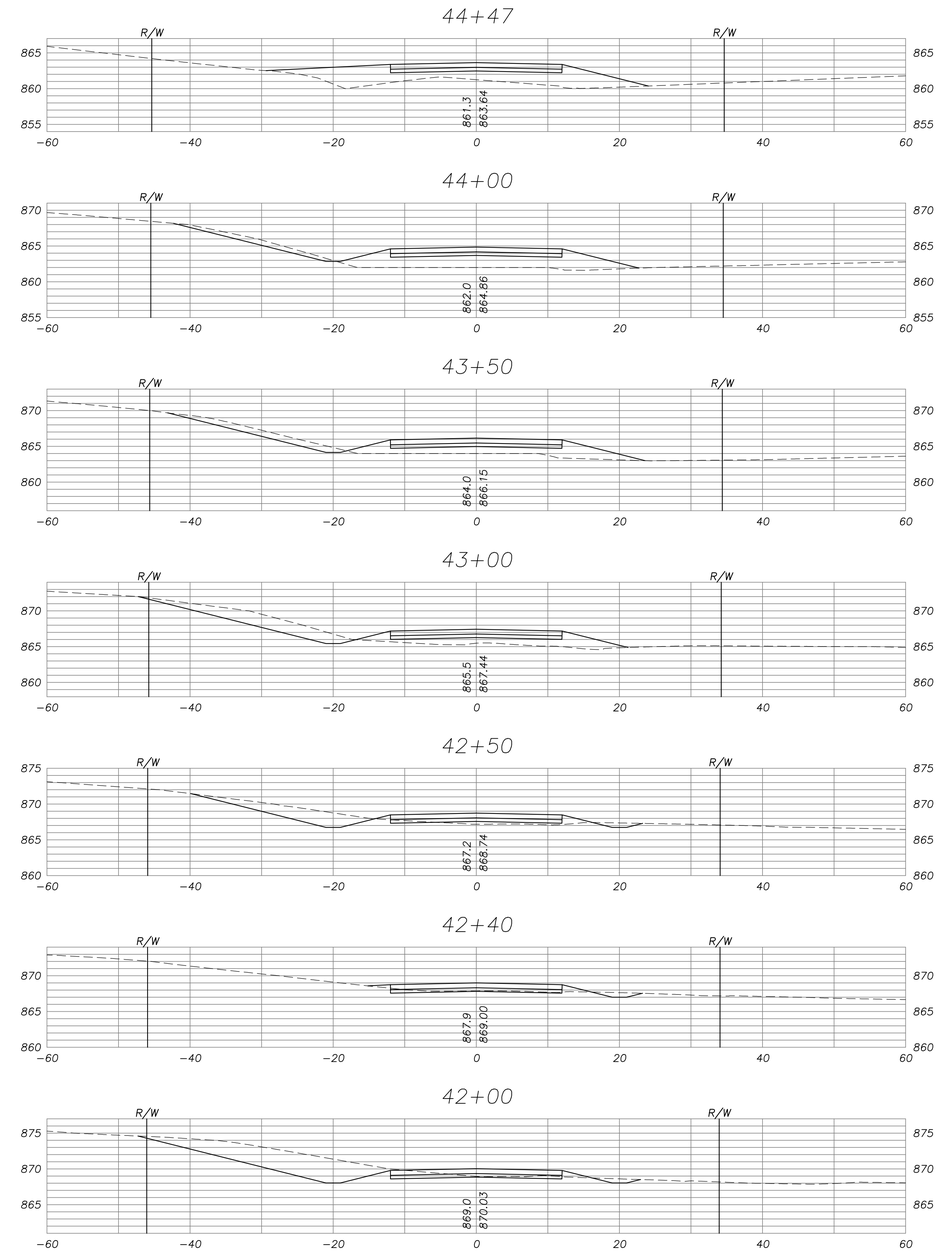
LEAVENWORTH DEPARTMENT OF PUBLIC WORKS COUNTY

No.	Date	Revisions	By	App.
6				
5				
4				
3				
2				
1				

182nd Street (Hwy. 24/40 to Evans Road)
Geometric Improvements and Surface Upgrade
Cross Sections
Sta.32+00.00 to Sta. 38+14.00

Date:	07/28/08
Designed:	MGS
Drawn:	MGS
Checked:	N/A
Approved:	MWS
Project No.:	N/A
Sheet No.:	7





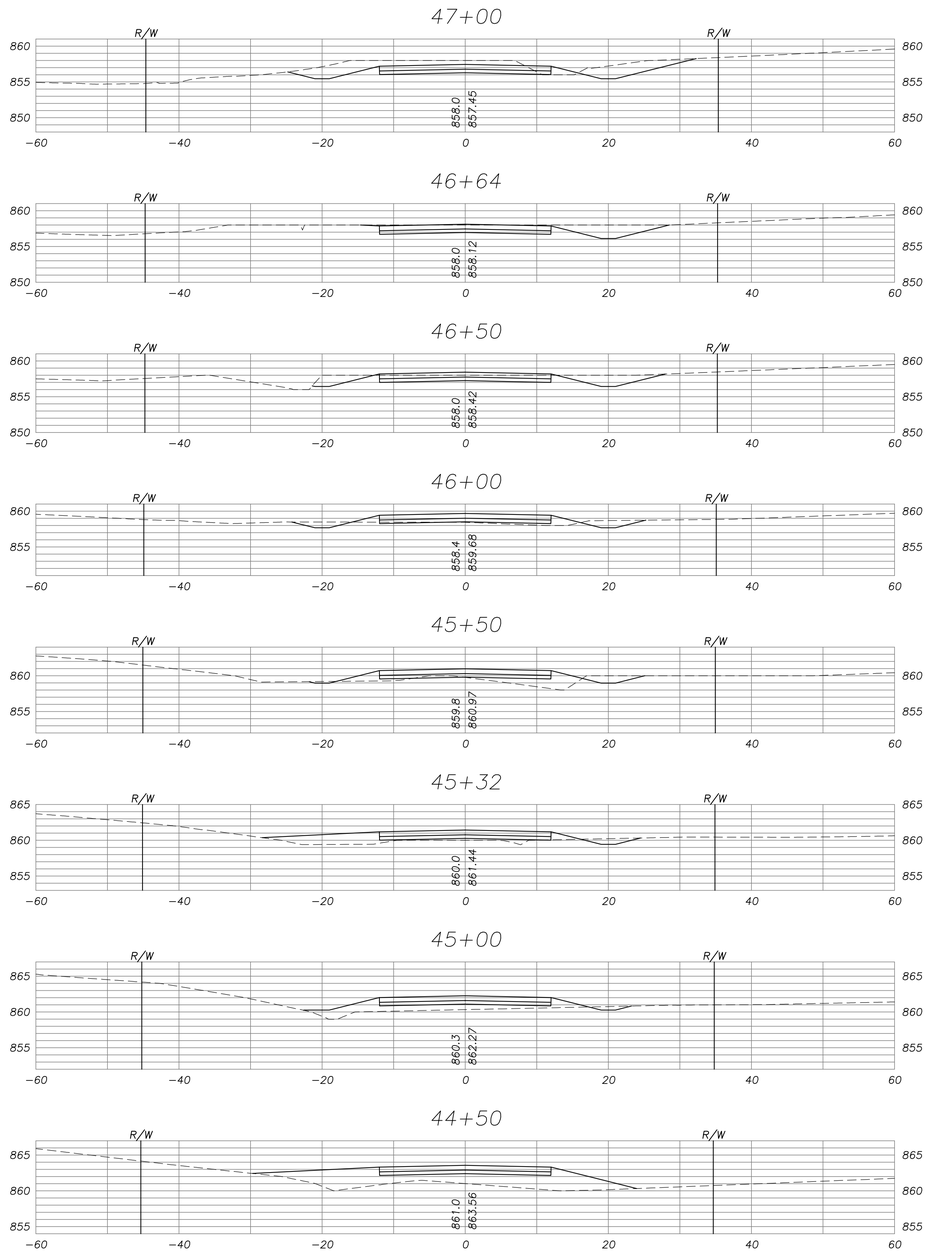
LEAVENWORTH COUNTY
Public Works Department
Leavenworth County Courthouse
300 Walnut, Suite No. 7
Leavenworth, KS 66048

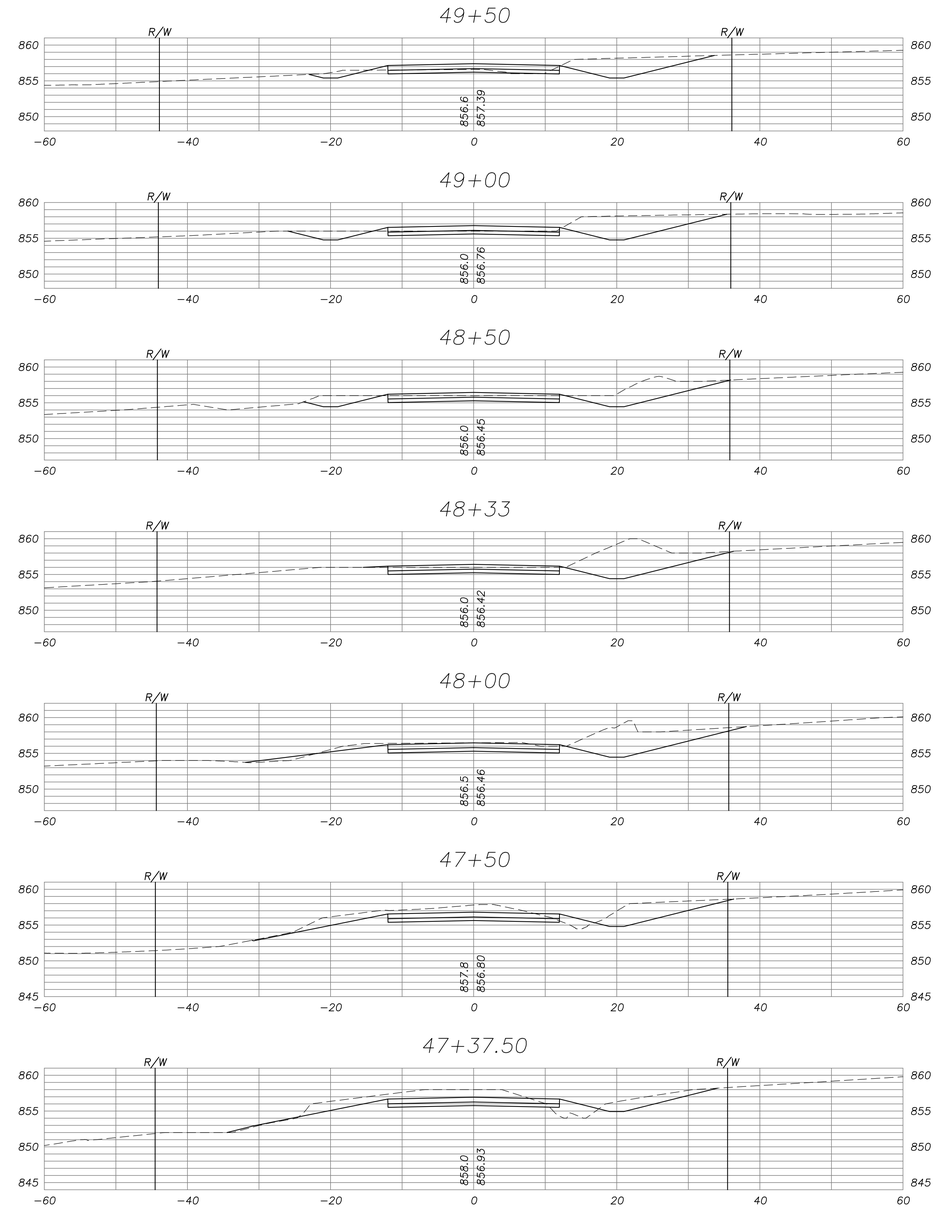
LEAVENWORTH DEPARTMENT OF PUBLIC WORKS COUNTY

No.	Date	Revisions	By	App.
1				
2				
3				
4				
5				
6				

182nd Street (Hwy. 24/40 to Evans Road)
Geometric Improvements and Surface Upgrade
Cross Sections
Sta. 38+50.00 to Sta. 44+47.00

Date:	07/28/08
Designed:	MGS
Drawn:	MGS
Checked:	N/A
Approved:	MWS
Project No.:	N/A
Sheet No.:	8





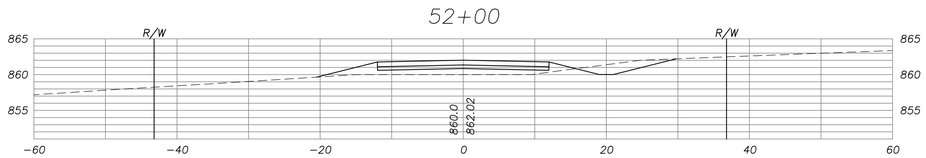
LEAVENWORTH COUNTY
Public Works Department
Leavenworth County Courthouse
300 Walnut, Suite No. 7
Leavenworth, KS 66048

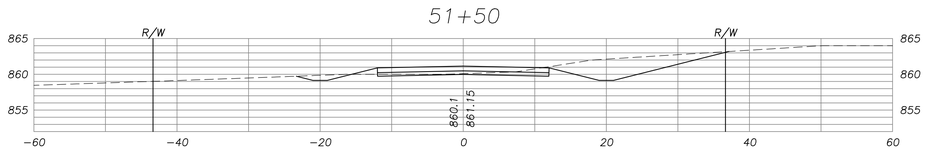
LEAVENWORTH DEPARTMENT OF PUBLIC WORKS COUNTY

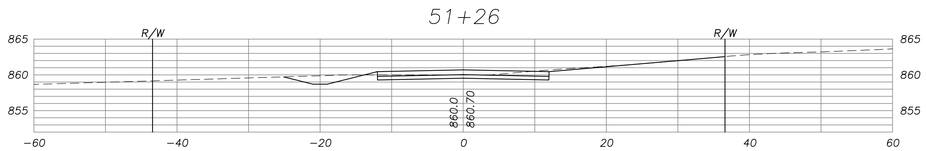
No.	Date	Revisions	By	App.
6				
5				
4				
3				
2				
1				

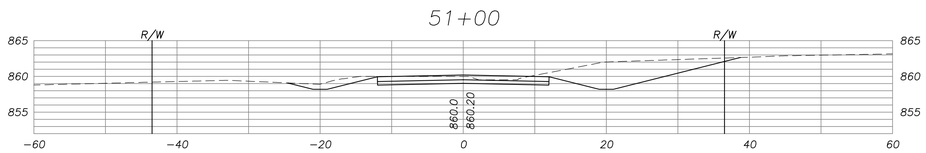
182nd Street (Hwy. 24/40 to Evans Road)
Geometric Improvements and Surface Upgrade
Cross Sections
Sta.44+50.00 to Sta. 49+50.00

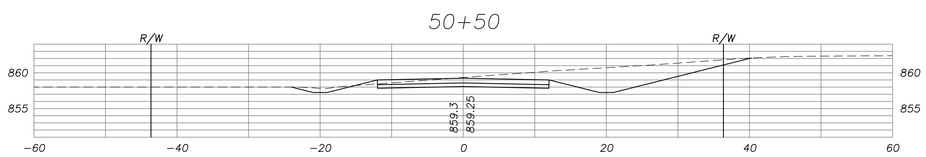
Date:	07/28/08
Designed:	MGS
Drawn:	MGS
Checked:	N/A
Approved:	MWS
Project No.:	N/A
Sheet No.:	9

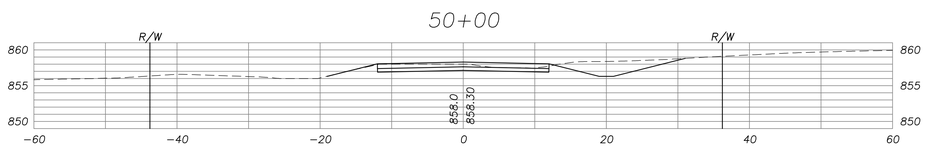


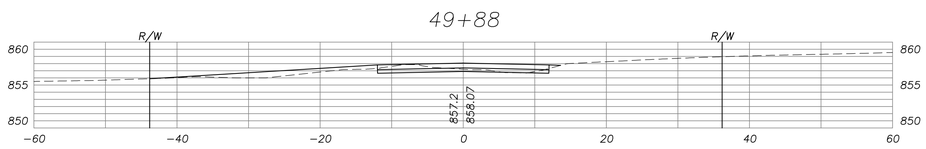


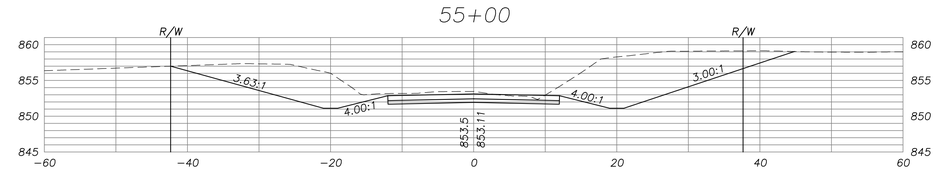


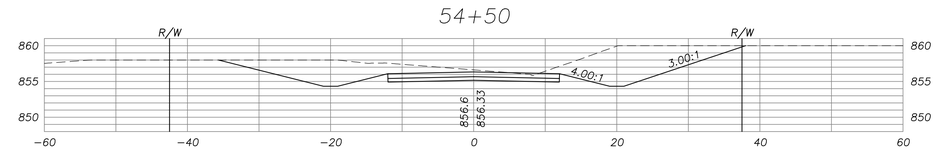


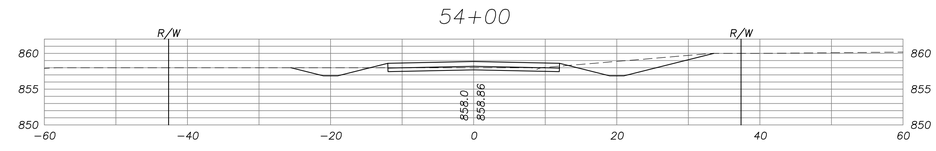


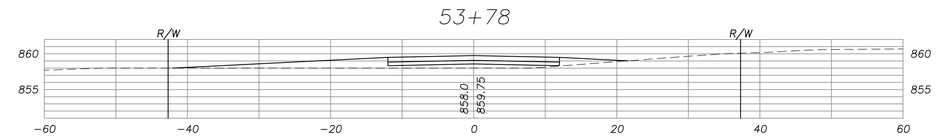


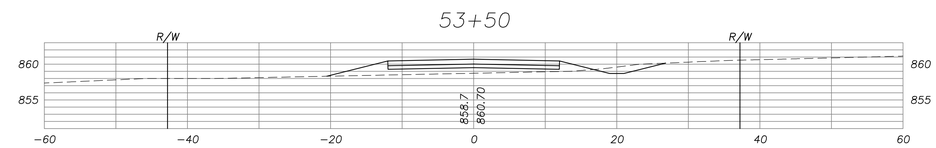


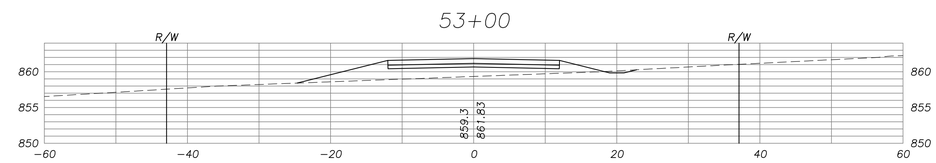


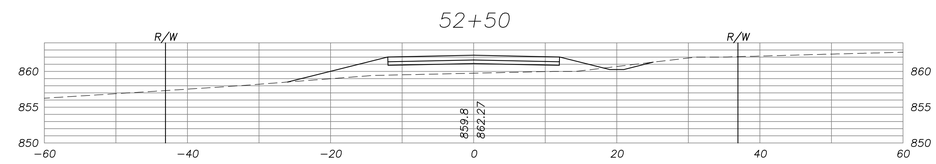












LEAVENWORTH COUNTY
Public Works Department
Leavenworth County Courthouse
300 Walnut, Suite No. 7
Leavenworth, KS 66048

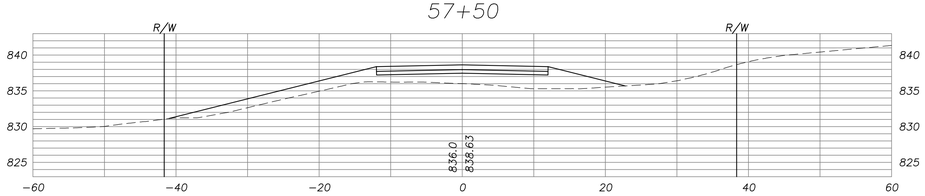
LEAVENWORTH DEPARTMENT OF PUBLIC WORKS COUNTY

No.	Date	Revisions	By	App.
1				
2				
3				
4				
5				
6				

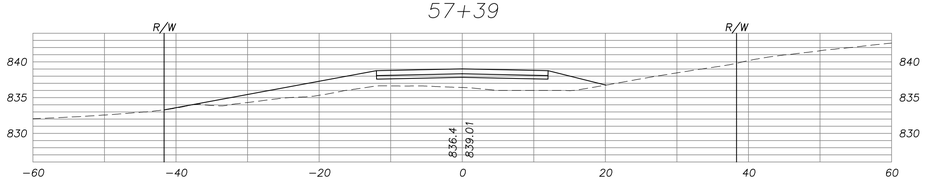
182nd Street (Hwy. 24/40 to Evans Road)
Geometric Improvements and Surface Upgrade
Cross Sections
Sta.49+88.00 to Sta. 55+00.00

Date:	07/28/08
Designed:	MGS
Drawn:	MGS
Checked:	N/A
Approved:	MWS
Project No.:	N/A
Sheet No.:	10

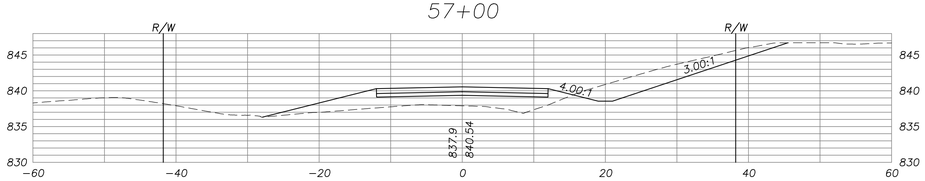
57+50



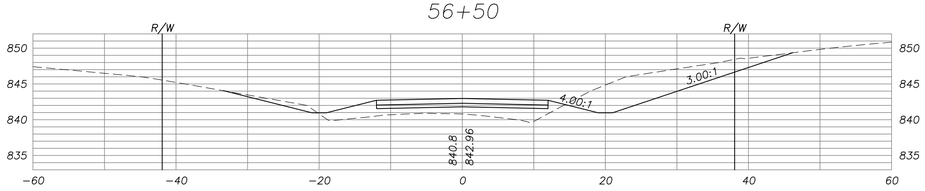
57+39



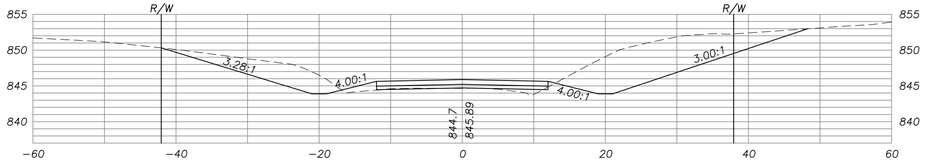
57+00



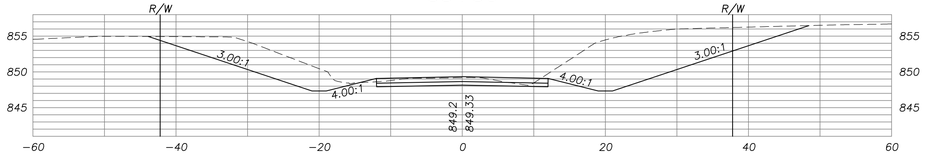
56+50



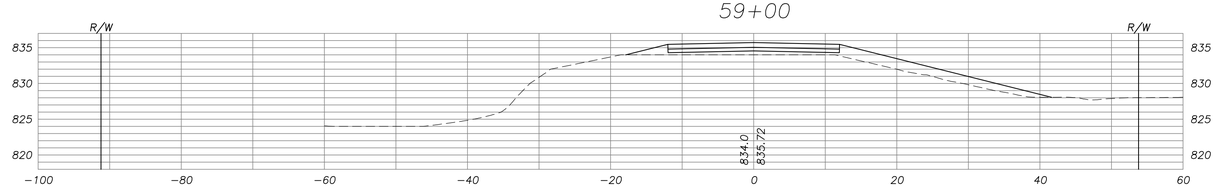
56+00



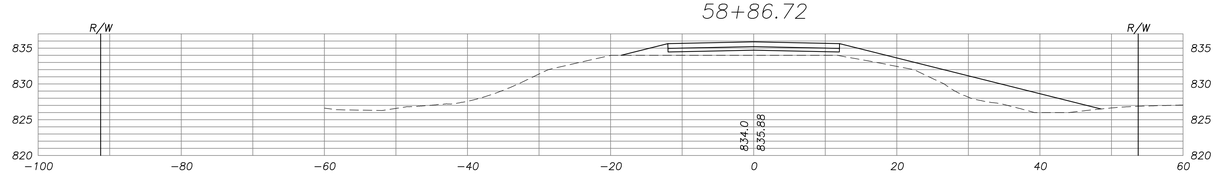
55+50



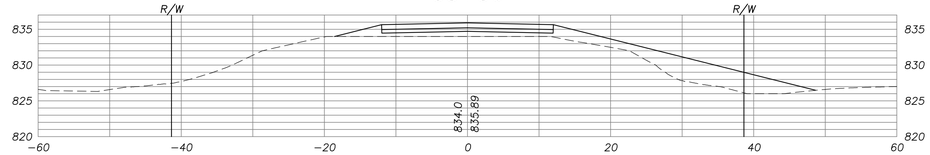
59+00



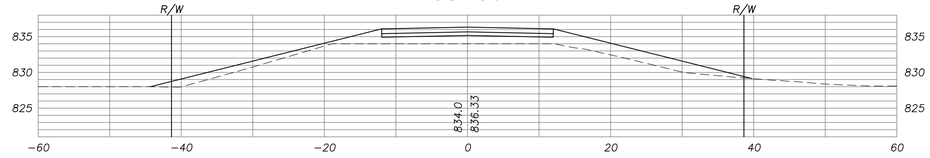
58+86.72



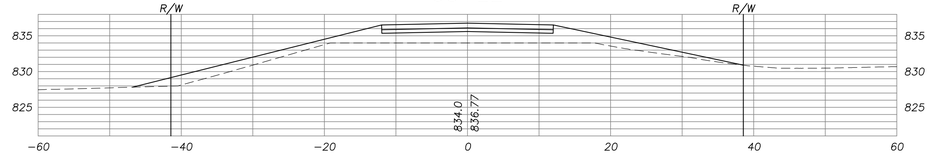
58+86



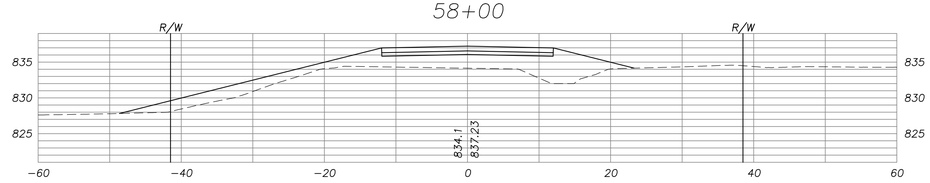
58+50



58+22



58+00

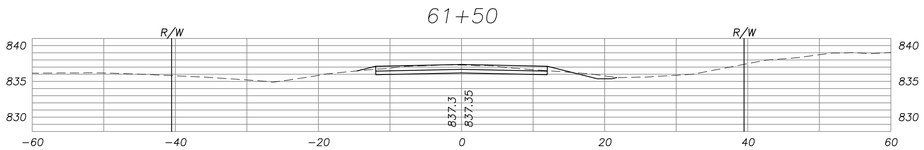


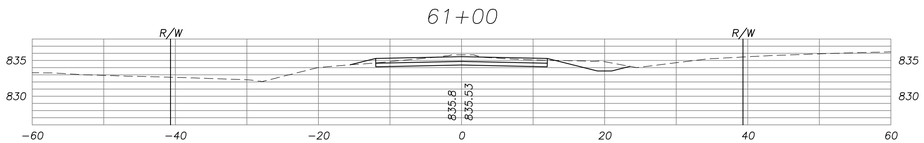
LEAVENWORTH COUNTY
Public Works Department
Leavenworth County Courthouse
300 Walnut, Suite No. 7
Leavenworth, KS 66048

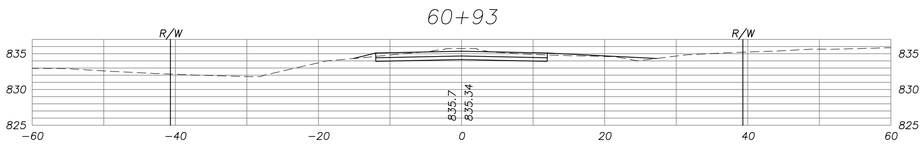
No.	Date	Revisions	By	App.
6				
5				
4				
3				
2				
1				

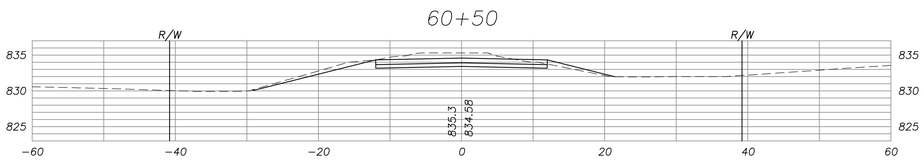
182nd Street (Hwy. 24/40 to Evans Road)
Geometric Improvements and Surface Upgrade
Cross Sections
Sta.55+50.00 to Sta. 59+00.00

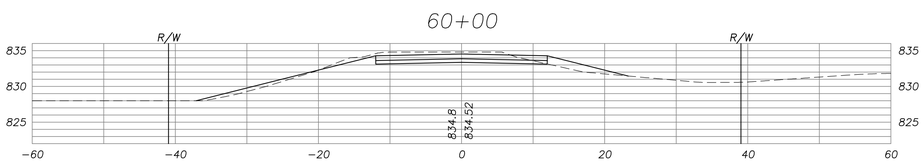
Date:	07/28/08
Designed:	MGS
Drawn:	MGS
Checked:	N/A
Approved:	MWS
Project No.:	N/A
Sheet No.:	11

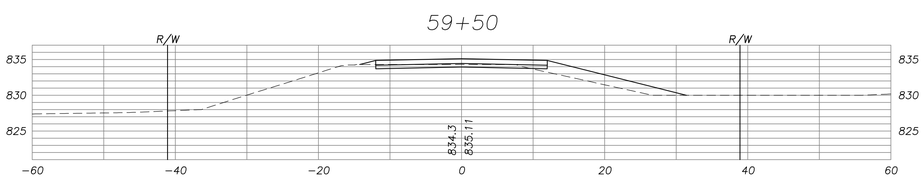


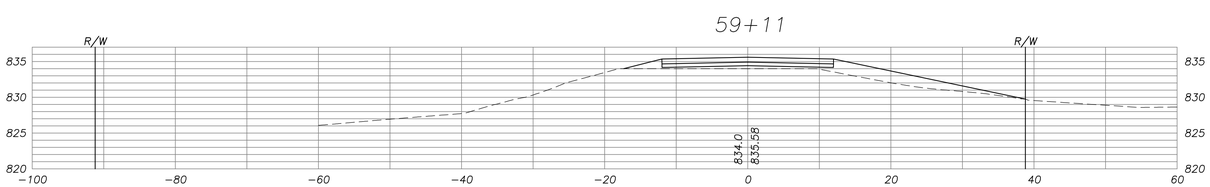






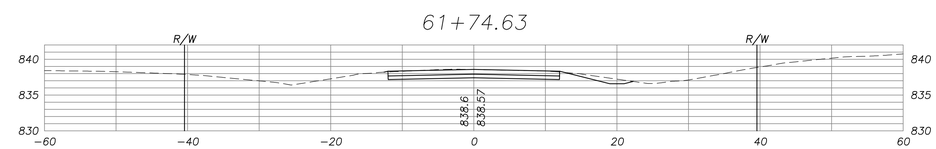






STATION	AREAS Square Feet		VOLUMES Cubic Yards		CUMULATIVE VOLUMES Cubic Yards	
	CUT	FILL	CUT	FILL	CUT	FILL
25+07.68	80.89	0.44				
			137.62	0.35	137.62	0.35
25+50	94.71	0.00				
			186.09	0.00	323.71	0.35
26+00	106.27	0.00				
			198.46	0.00	522.17	0.35
26+50	108.07	0.00				
			176.19	0.00	698.36	0.35
27+00	82.22	0.00				
			165.13	0.00	863.49	0.35
27+50	96.12	0.00				
			159.96	0.00	1023.45	0.35
28+00	76.64	0.00				
			115.48	0.14	1138.93	0.49
28+50	48.08	0.16				
			71.22	1.78	1210.15	2.27
29+00	28.83	1.76				
			35.89	11.09	1246.04	13.35
29+50	9.93	10.21				
			0.99	2.00	1247.03	15.35
29+54	3.45	16.76				
			4.42	29.70	1251.45	45.05
30+00	1.74	18.10				
			1.72	30.03	1253.18	75.08
30+32	1.17	32.57				
			1.91	19.45	1255.09	94.53
30+50	4.57	25.79				
			5.11	51.16	1260.20	145.70
31+00	0.95	29.47				
			2.95	55.65	1263.14	201.35
31+50	2.23	30.63				
			10.32	60.26	1273.46	261.61
32+00	8.91	34.45				
			19.67	68.80	1293.14	330.41
32+50	12.33	39.85				
			25.09	56.90	1318.22	387.31
33+00	14.77	21.60				
			31.13	45.92	1349.35	433.23
33+50	18.85	27.99				
			39.56	31.79	1388.91	465.03
34+00	23.87	6.35				
			22.25	17.75	1411.16	482.78
34+50	0.17	12.82				
			51.31	19.23	1462.47	502.01
35+00	55.25	7.95				
			106.79	26.23	1569.26	528.24
35+50	60.09	20.38				
			27.55	13.79	1596.81	542.03
35+65	39.08	29.28				
			47.80	26.61	1644.61	568.64
36+00	34.68	11.78				
			83.23	22.36	1727.84	591.00
36+50	55.21	12.37				
			79.76	36.68	1807.60	627.68
37+00	30.93	27.24				
			76.01	43.45	1883.61	671.13
37+50	51.16	19.69				
			79.09	48.00	1962.70	719.13
38+00	34.26	32.15				
			9.25	17.46	1971.95	736.59
38+14	1.42	35.19				
			16.47	36.16	1988.42	772.75
38+50	23.28	19.05				
			58.22	32.92	2046.64	805.66
39+00	39.60	16.50				
			77.14	18.69	2123.78	824.35
39+50	43.72	3.68				
			76.52	7.48	2200.30	831.84
40+00	38.92	4.40				
			81.92	15.27	2282.22	847.11
40+50	49.55	12.09				
			111.75	16.79	2393.97	863.90
41+00	71.14	6.04				
			145.81	6.42	2539.78	870.31
41+50	86.33	0.88				
			162.02	2.54	2701.80	872.86
42+00	88.65	1.86				
			70.86	3.40	2772.66	876.25
42+40	7.02	2.72				
			7.65	1.95	2780.32	878.20
42+50	34.30	7.80				
			66.23	39.35	2846.54	917.55
43+00	37.22	34.69				
			50.88	71.94	2897.42	989.49
43+50	17.73	43.01				
			27.30	100.54	2924.72	1090.02
44+00	11.75	65.57				
			10.23	128.28	2934.95	1218.30
44+47	0.00	81.81				
			0.00	9.22	2934.95	1227.52
44+50	0.00	84.14				
			1.81	107.17	2936.75	1334.70
45+00	1.95	31.61				
			3.58	34.55	2940.33	1369.25
45+32	4.09	26.70				
			3.99	15.94	2944.33	1385.19
45+50	7.89	21.13				
			17.50	26.41	2961.83	1411.61
46+00	11.02	7.40				
			49.10	6.96	3010.93	1418.57

STATION	AREAS Square Feet		VOLUMES Cubic Yards		CUMULATIVE VOLUMES Cubic Yards	
	CUT	FILL	CUT	FILL	CUT	FILL
46+50	42.01	0.12				
			22.89	0.03	3033.82	1418.60
46+64	46.27	0.00				
			80.08	1.83	3113.90	1420.43
47+00	73.84	2.74				
			101.86	9.42	3215.76	1429.85
47+37.50	72.84	10.83				
			36.10	3.65	3251.87	1433.50
47+50	83.12	4.96				
			155.95	7.19	3407.82	1440.69
48+00	85.31	2.81				
			100.43	1.93	3508.25	1442.62
48+33	79.04	0.35				
			45.24	0.16	3553.49	1442.78
48+50	64.68	0.17				
			121.38	0.68	3674.87	1443.46
49+00	66.41	0.57				
			105.11	1.60	3779.98	1445.06
49+50	47.10	1.15				
			41.16	11.40	3821.14	1456.46
49+88	11.38	15.05				
			11.62	3.42	3832.75	1459.88
50+00	40.89	0.34				
			124.21	1.14	3956.96	1461.02
50+50	93.25	0.89				
			167.80	0.83	4124.76	1461.84
51+00	87.98	0.00				
			55.07	0.28	4179.84	1462.12
51+26	26.40	0.58				
			35.41	0.99	4215.25	1463.11
51+50	53.27	1.65				
			60.52	26.16	4275.77	1489.27
52+00	12.10	26.61				
			13.09	74.09	4288.86	1563.36
52+50	2.04	53.41				
			2.79	97.08	4291.65	1660.44
53+00	0.97	51.44				
			6.43	73.57	4298.08	1734.00
53+50	5.97	28.01				
			3.09	34.73	4301.17	1768.73
53+78	0.00	38.97				
			16.66	16.28	4317.84	1785.01
54+00	40.89	0.99				
			198.11	0.92	4515.95	1785.93
54+50	173.07	0.00				
			399.48	0.00	4915.43	1785.93
55+00	258.37	0.00				
			469.49	0.50	5384.92	1786.43
55+50	248.68	0.54				
			384.46	7.05	5769.38	1793.48
56+00	166.54	7.07				
			231.47	45.09	6000.85	1838.57
56+50	83.45	41.62				
			124.34	95.55	6125.19	1934.12
57+00	50.83	61.57				
			36.71	103.89	6161.90	2038.00
57+39	0.00	82.27				
			0.00	34.57	6161.90	2072.57
57+50	0.00	87.43				
			0.00	196.45	6161.90	2269.02
58+00	0.00	124.73				
			0.00	92.15	6161.90	2361.17
58+22	0.00	101.45				
			0.00	99.50	6161.90	2460.66
58+50	0.00	90.45				
			0.00	122.10	6161.90	2582.77
58+86	0.00	92.71				
			0.00	2.43	6161.90	2585.20
58+86.72	0.00	89.47				
			0.00	34.21	6161.90	2619.41
59+00	0.00	49.65				
			0.00	18.47	6161.90	2637.88
59+11	0.00	41.01				
			6.96	47.50	6168.86	2685.38
59+50	9.64	24.75				
			40.66	36.27	6209.52	2721.65
60+00	34.27	14.42				
			71.91	16.39	6281.43	2738.04
60+50	43.40	3.28				
			56.66	5.56	6338.09	2743.60
60+93	27.76	3.70				
			7.89	0.65	6345.98	2744.24
61+00	33.12	1.28				
			53.96	2.64	6399.94	2746.89
61+50	25.15	1.57				
			26.23	0.75	6426.17	2747.64
61+74.63	32.35	0.07				
			0.00	0.00	6426.17	2747.64



LEAVENWORTH COUNTY
Public Works Department
Leavenworth County Courthouse
300 Walnut, Suite No. 7
Leavenworth, KS 66048

No.	Date	Revisions	By	App.
1				
2				
3				
4				
5				
6				

182nd Street (Hwy. 24/40 to Evans Road)
Geometric Improvements and Surface Upgrade
Cross Sections
Sta.59+11.00 to Sta. 61+74.63

Date:	07/28/08
Designed:	MGS
Drawn:	MGS
Checked:	N/A
Approved:	MWS
Project No.:	N/A
Sheet No.:	12