



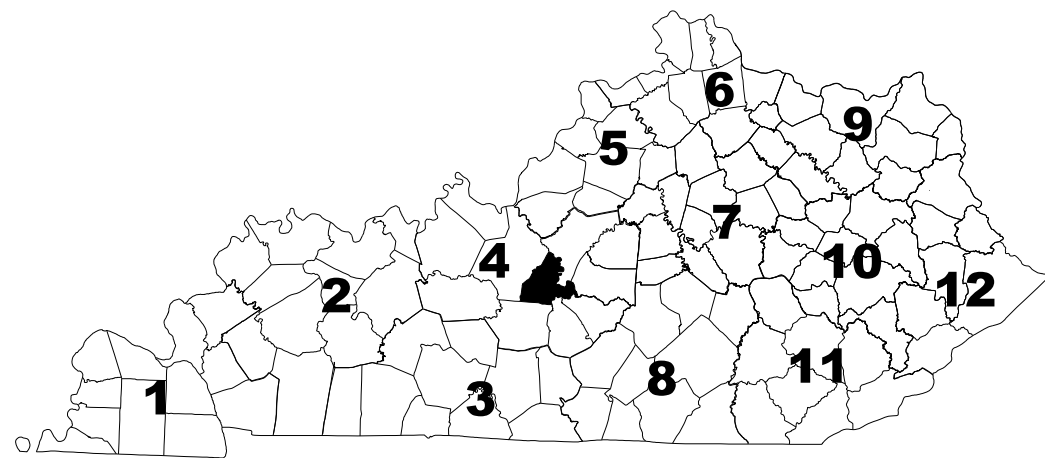
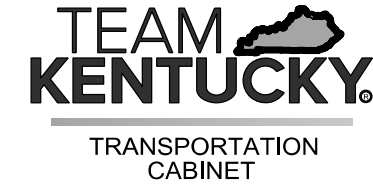
COMMONWEALTH OF KENTUCKY

DEPARTMENT OF HIGHWAYS

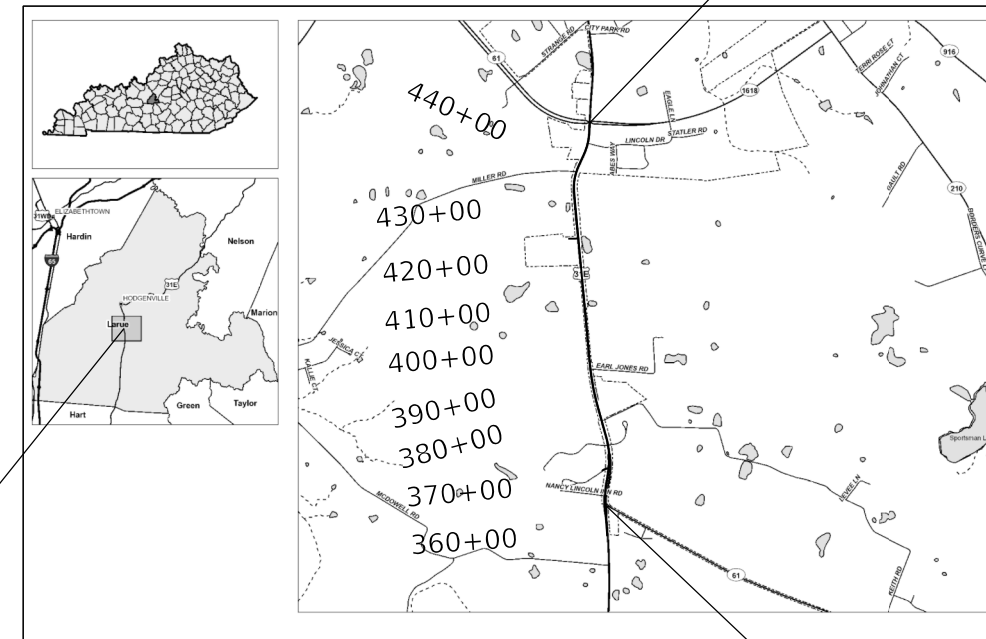
PLANS OF PROPOSED PROJECT

Larue County

US 31E - ROADWAY RECONFIGURATION



PROJECT LOCATION



END CONST.
STA. 447+36.50

BEGIN CONST.
STA. 365+00.00



LAYOUT MAP



BEFORE YOU DIG

The contractor is instructed to call 1-800-752-6007 to reach KY 811, the one-call system for information on the location of existing underground utilities. The call is to be placed a minimum of two (2) and no more than ten (10) business days prior to excavation. The contractor should be aware that owners of underground facilities are not required to be members of the KY 811 one-call Before-U-Dig (BUD) service. The contractor must coordinate excavation with the utility owners, including those whom do not subscribe to KY 811. It may be necessary for the contractor to contact the County Court Clerk to determine what utility companies have facilities in the area.

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
R001	LAYOUT SHEET
R002	TYPICAL SECTIONS
R002A-R002E	SUMMARY SHEETS
R003	LEGEND AND UTILITY OWNERS
R004-R015	PLAN AND PROFILE SHEETS
R016-R021	STRIPING SHEETS
R022	DETAIL SHEETS

LENGTH 8236.50 LIN. FT. 1.559 MILES
 ADDED FOR EQUALITIES 0 LIN. FT.
 DEDUCTED NOT INCLUDED
 RAILROAD CROSSINGS NO. 0 LIN. FT.
 BRIDGES 0 LIN. FT.

PROJECT NUMBER: HSIP 9010 (811)

PROJECT DESCRIPTION: ROADWAY RECONFIGURATION OF US 31E FROM KY 61 (GREENSBURG RD) TO KY 1618 (LINCOLN PARKWAY)

RECOMMENDED BY: _____ PROJECT MANAGER DATE: _____

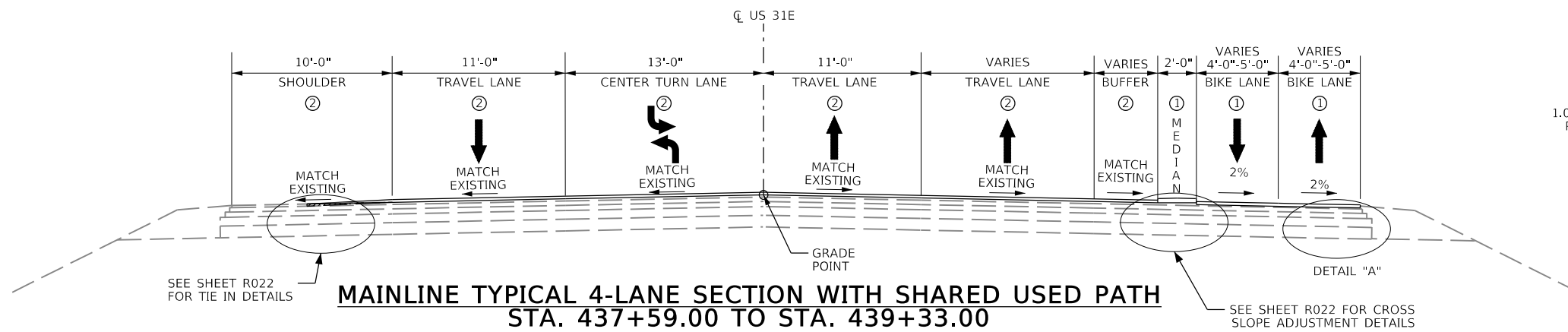
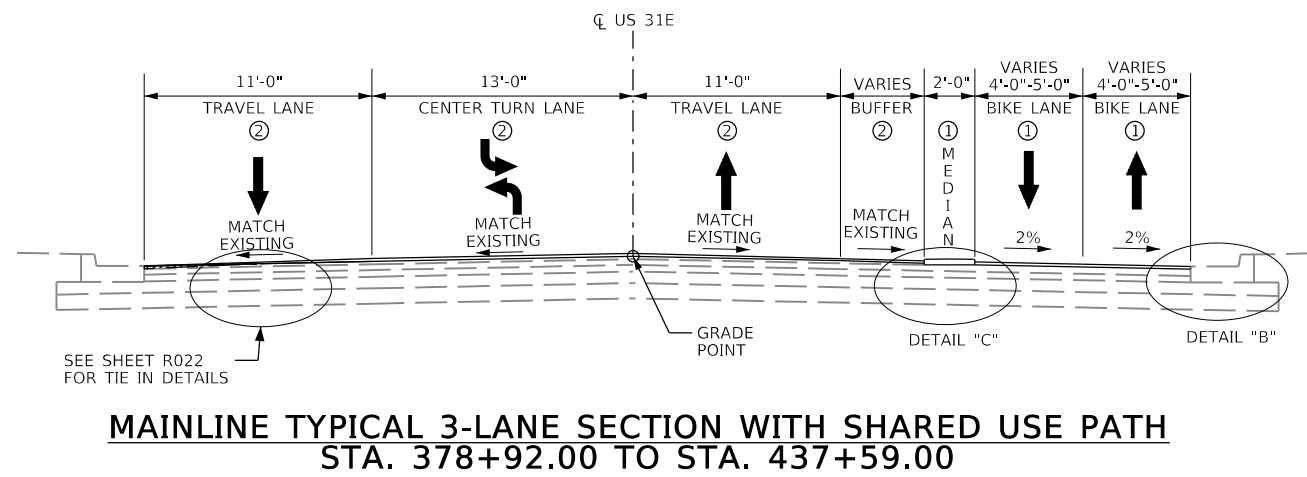
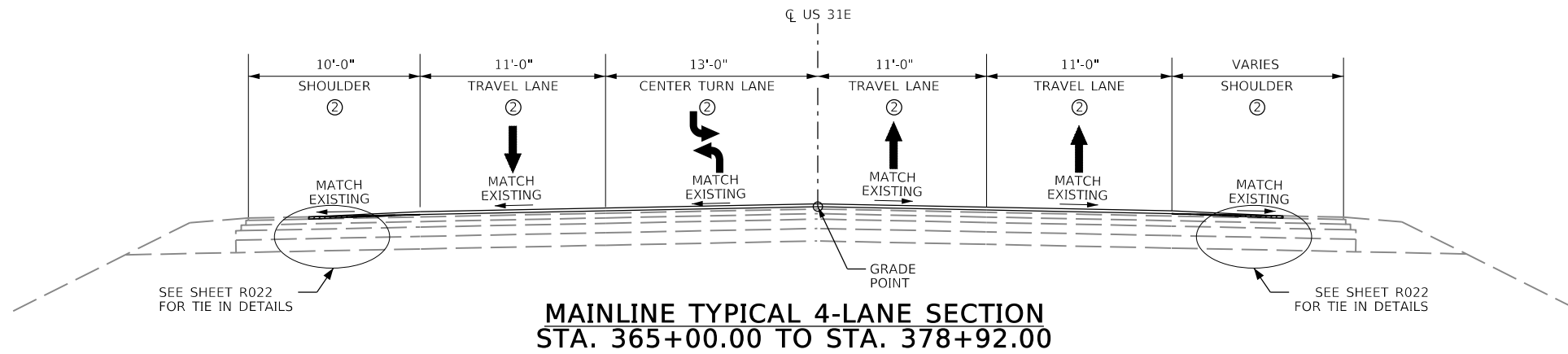
PLAN APPROVED BY: _____ STATE HIGHWAY ENGINEER DATE: _____

LETTING DATE:

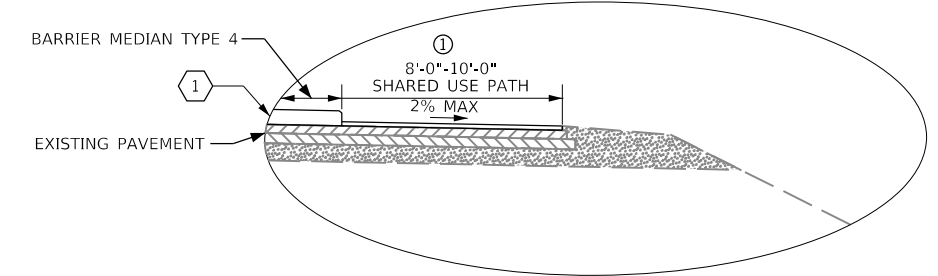
ITEM NO. COUNTY OF
04-980.00 LARUE

SHEET NO.
R001

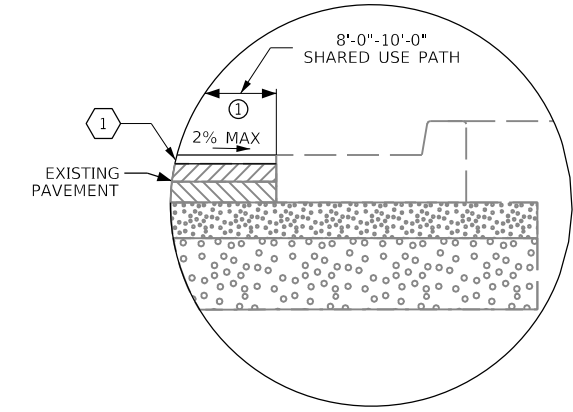
TYPICAL SECTIONS US 31E



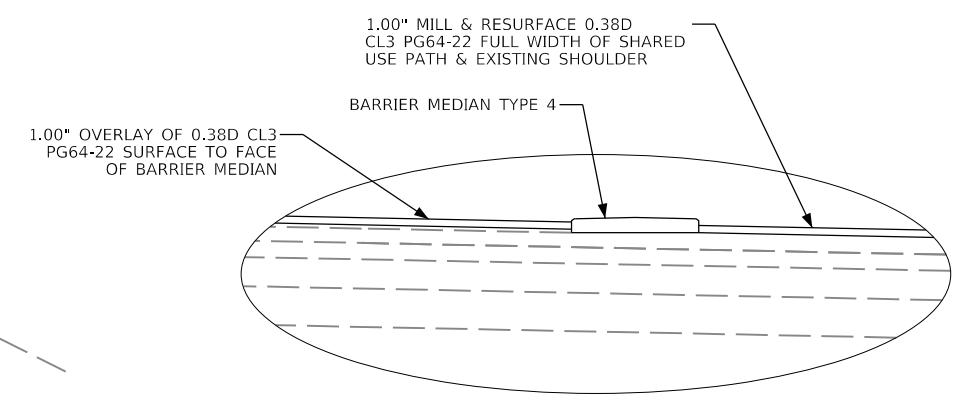
- NOTES**
- ① 1.00" MILL AND RESURFACE FROM LT FACE OF BARRIER MEDIAN TO EDGE OF PAVEMENT FROM STA. 378+92 TO 433+39. FOR TIE IN DETAILS SEE SHEET R022.
 - ② 1.00" ASPHALT OVERLAY FROM STA. 365+00 TO 433+39. WIDTH VARIES. FOR TRANSVERSE TAPER TIE IN SEE TAPERING OF OVERLAYS DETAIL ON SHEET R022.



DETAIL "A"
NOT TO SCALE
① 1.00" CL3 ASPH SURF 0.38D PG64-22



DETAIL "B"
NOT TO SCALE
① 1.00" CL3 ASPH SURF 0.38D PG64-22



DETAIL "C"
NOT TO SCALE

ITEM	DESCRIPTION	NOTE(S)	UNIT	MAINLINE	SHARED USE PATH		TOTAL PROJECT
00001	DGA BASE	5	TON		40		40
00190	LEVELING & WEDGING PG64-22	5	TON		43		43
00339	CL3 ASPH SURF 0.38D PG64-22	5	TON	1831	551		2382
00356	ASPHALT MATERIAL FOR TACK	5	TON	7	4		11
01922	STANDARD BARRIER MEDIAN TYPE 4 MOD	1	SQYD	1086			1086
02015	CEMENT CONCRETE ISLAND		SQYD	139			139
02569	DEMOBILIZATION		LS	1			1
02585	EDGE KEY		LF	130			130
02650	MAINTAIN & CONTROL TRAFFIC		LS	1			1
02671	PORTABLE CHANGEABLE MESSAGE SIGN		EACH	2			2
02676	MOBILIZATION FOR MILL & TEXT		LS	1			1
02677	ASPHALT PAVE MILLING & TEXTURING	5	TON	190	551		741
02726	STAKING		LS	1			1
02775	ARROW PANEL		EACH	4			4
06401	FLEXIBLE DELINEATOR POST-M/W		EACH	193			193
06404	FLEXIBLE DELINEATOR POST-M/Y		EACH	16			16
06406	SBM ALUM SHEET SIGNS .080 IN	3	SQFT	71.75			71.75
06410	STEEL POST TYPE 1	3	LF	115			115
06511	PAVE STRIPING-TEMP PAINT-6 IN		LF	46662			46662
06513	PAVE STRIPING-TEMP PAINT-12 IN		LF	1275			1275
06542	PAVE STRIPING-THERMO-6 IN W	2	LF	25286			25286
06543	PAVE STRIPING-THERMO-6 IN Y	2	LF	21376			21376
06546	PAVE STRIPING-THERMO-12 IN W	2	LF	1275			1275
06568	PAVE MARKING-THERMO STOP BAR-24IN	2	LF	265			265
06569	PAVE MARKING-THERMO CROSS-HATCH	2	SQFT	7049			7049
06574	PAVE MARKING-THERMO CURV ARROW	2	EACH	56			56
06575	PAVE MARKING-THERMO COMB ARROW	2	EACH	3			3
06576	PAVE MARKING-THERMO ONLY	2	EACH	3			3
06578	PAVE MARKING-THERMO MERGE ARROW	2	EACH	4			4
06610	INLAID PAVEMENT MARKER-MW		EACH	729			729
06612	INLAID PAVEMENT MARKER-BY		EACH	205			205
08100	CONCRETE-CLASS A	4	CUYD	3			3
20411ED	LAW ENFORCEMENT OFFICER		HOUR	150			150
21289ED	LONGITUDINAL EDGE KEY		LF	8842			8842
21373ND	REMOVE SIGN	3	EACH	3			3
21596ND	GMSS TYPE D	3	EACH	2			2
22664EN	WATER BLASTING EXISTING STRIPE		LF	3275			3275
22680EN	QWICK CURB MEDIAN SEPARATOR		LF	200			200
23607EC	PAVE MARK THERMO-LANE REDUCTION ARROW	2	EACH	3			3
23261EC	PAVE MARK-THERMO-X-WALK-24 IN	2	LF	1184			1184
24386EC	PAVE MARKING THERMO-BIKE LANE ARROW	2	EACH		52		52
24631EC	BARCODE SIGN INVENTORY	2	EACH	14			14
24880EC	REMOVE PAVEMENT MARKER		EACH	934			934
23158ES505	DETECTABLE WARNINGS		SQYD		16		16

NOTES:

1. INCLUDES QUANTITIES FROM BARRIER MEDIAN SUMMARY
2. INCLUDES QUANTITIES FROM PAVEMENT MARKING SUMMARY
3. INCLUDES QUANTITIES FROM SIGNAGE SUMMARY
4. FOR 4" CONCRETE BETWEEN BARRIER MEDIANS AT CURB CUTS & 4" CONCRETE AT DETECTABLE WARNINGS
5. INCLUDES QUANTITIES FROM PAVING SUMMARY



PAVING AREAS					
ITEM	MAINLINE	SHARED USE PATH			TOTAL PROJECT
DGA FOR SHOULDER CORRECTION		688			688
1" CL3 ASPH SURF 0.38D PG64-22	33294	10022			43316
1" ASPHALT PAVE MILLING & TEXTURING	3452	10022			13474
ASPHALT MATERIAL FOR TACK	33294	10022			43316

PAVING SUMMARY								
ITEM CODE	ITEM	NOTE	UNIT	MAINLINE	SHARED USE PATH			TOTAL PROJECT
00001	DGA BASE		TON		40			40
00190	LEVELING & WEDGING PG64-22		TON		43			43
00339	CL3 ASPH SURF 0.38D PG64-22		TON	1831	551			2382
00356	ASPHALT MATERIAL FOR TACK		TON	7	4			11
02677	ASPHALT PAVE MILLING & TEXTURING		TON	190	551			741



BARRIER MEDIAN SUMMARY										
BEGIN		END		SIDE	LENGTH (FT)	WIDTH (FT)	AREA (SQFT)	AREA (SQYD)	TYPE	SHEET
MILE POINT	STATION	MILE POINT	STATION							
7.2	378+92	7.3	383+43	RT	451	2	902	100	4	R006
7.3	384+21	7.3	384+66	RT	45	2	89	10	4	R006
7.3	385+40	7.3	385+74	RT	34	2	68	8	4	R006
7.3	386+32	7.4	389+00	RT	268	2	536	60	4	R006
7.4	389+00	7.4	389+20	RT	20	2	40	4	4	R008
7.4	389+65	7.4	391+58	RT	193	2	386	43	4	R008
7.4	391+60	7.5	393+54	RT	194	2	388	43	4	R008
7.5	394+00	7.5	394+34	RT	34	2	68	8	4	R008
7.5	395+30	7.5	395+70	RT	40	2	80	9	4	R008
7.5	396+11	7.5	396+57	RT	46	2	92	10	4	R008
7.5	396+96	7.5	397+17	RT	21	2	42	5	4	R008
7.5	397+56	7.5	397+76	RT	20	2	40	4	4	R008
7.5	398+19	7.6	399+48	RT	129	2	258	29	4	R008
7.6	400+10	7.6	400+97	RT	87	2	174	19	4	R008
7.6	401+56	7.6	402+10	RT	54	2	108	12	4	R008
7.6	402+89	7.7	404+00	RT	111	2	222	25	4	R008
7.7	404+00	7.7	404+43	RT	43	2	86	10	4	R010
7.7	404+90	7.8	411+40	RT	650	2	1300	144	4	R010
7.8	411+88	7.9	416+49	RT	461	2	922	102	4	R010
7.9	416+95	7.9	417+92	RT	97	2	194	22	4	R010
7.9	418+38	7.9	419+00	RT	62	2	124	14	4	R010
7.9	419+00	7.9	419+02	RT	2	2	4	0	4	R012
7.9	419+50	8.0	422+03	RT	253	2	506	56	4	R012
8.0	422+05	8.0	422+52	RT	47	2	94	10	4	R012
8.0	422+54	8.0	423+02	RT	48	2	96	11	4	R012
8.0	423+04	8.0	424+93	RT	189	2	378	42	4	R012
8.1	425+40	8.1	427+72	RT	232	2	464	52	4	R012
8.1	427+74	8.2	430+40	RT	266	2	532	59	4	R012
8.2	430+87	8.2	432+47	RT	160	2	320	36	4	R012
8.2	432+94	8.2	434+00	RT	106	2	212	24	4	R012
8.2	434+00	8.2	434+49	RT	49	2	98	11	4	R014
8.2	434+51	8.2	434+54	RT	3	2	6	1	4	R014
8.2	434+56	8.3	437+57	RT	301	2	602	67	4	R014
8.3	437+59	8.3	437+98	RT	39	2	78	9	4	R014
8.3	438+00	8.3	438+59	RT	59	2	118	13	4	R014
8.3	438+61	8.3	439+33	RT	72	2	144	16	4	R014

SUMMARY	TOTAL
TYPE 4 BARRIER MEDIAN	1,086 SQYD



PAVEMENT MARKINGS SUMMARY

BEGIN		END		SIDE	LENGTH (LF)	PAVEMENT MARKING	SHEET
MILE POINT	STATION	MILE POINT	STATION				
6.9	365+00	6.9	365+19	LT/RT	40	6" YELLOW DOUBLE SOLID	R016
6.9	365+00	7.1	372+75	LT	783	12" WHITE SOLID	R016
6.9	365+68	6.9	365+72	RT	8	6" YELLOW DOUBLE SOLID	R016
6.9	365+88	6.9	365+99	RT	18	12" WHITE SOLID	R016
6.9	365+93	6.9	366+20	RT	30	12" WHITE SOLID	R016
6.9	365+94	6.9	366+01	RT	7	12" WHITE SOLID	R016
6.9	365+99	7.0	368+42	RT	240	12" WHITE SOLID	R016
6.9	365+99	6.9	366+40	RT	48	12" WHITE SOLID	R016
6.9	366+00	7.0	369+78	LT	381	6" WHITE SOLID	R016
6.9	366+00	7.0	370+27	LT	430	6" WHITE SOLID	R016
6.9	366+00	7.0	370+78	RT	479	6" YELLOW DOUBLE SOLID	R016
6.9	366+00	7.1	372+99	LT	700	6" YELLOW DOUBLE SOLID	R016
6.9	366+26	7.3	383+43	RT	1735	6" WHITE SOLID	R016
7.0	368+42	7.1	374+00	RT	558	6" WHITE 10' DASHED	R016
7.0	370+28	7.0	371+56	LT	128	6" WHITE 2' DASHED	R016
7.0	370+38	7.0	371+55	LT	117	6" WHITE 2' DASHED	R016
7.0	371+41	7.1	373+22	LT	117	6" YELLOW DOUBLE SOLID	R016
7.0	371+55	7.1	373+23	CL	168	6" WHITE SOLID	R016
7.1	372+87	7.1	372+99	LT	16	6" WHITE SOLID	R016
7.1	372+87	7.1	373+23	LT	36	6" WHITE SOLID	R016
7.1	373+21	7.1	373+23	LT	12	6" WHITE SOLID	R016
7.1	373+34	7.1	373+35	LT	5	6" YELLOW DOUBLE SOLID	R016
7.1	373+51	7.1	373+54	LT	13	6" WHITE SOLID	R016
7.1	373+54	7.1	373+90	LT	36	6" WHITE SOLID	R016
7.1	373+78	7.1	373+90	LT	17	6" WHITE SOLID	R016
7.1	373+90	7.1	374+00	LT	11	6" YELLOW DOUBLE SOLID	R016
7.1	373+91	7.1	374+00	LT	9	6" YELLOW DOUBLE SOLID	R016
7.1	374+00	7.1	374+52	LT	52	6" YELLOW DOUBLE SOLID	R017
7.1	374+00	7.1	374+52	RT	52	6" YELLOW DOUBLE SOLID	R017
7.1	374+00	7.4	389+00	LT	1500	6" WHITE SOLID	R017
7.1	374+00	7.2	378+52	RT	452	6" WHITE 10' DASHED	R017
7.1	374+00	7.3	383+43	RT	943	6" WHITE SOLID	R017
7.1	374+52	7.4	389+00	LT	1448	6" SOLID/ 10' DASHED YELLOW	R017
7.1	374+52	7.4	389+00	RT	1448	6" SOLID/ 10' DASHED YELLOW	R017
7.2	378+92	7.4	389+00	RT	1008	6" WHITE SOLID	R017
7.3	383+42	7.3	384+22	RT	80	6" WHITE SOLID	R017
7.3	383+43	7.3	384+22	RT	79	6" WHITE 6' DASHED	R017
7.3	384+22	7.4	389+00	RT	478	6" WHITE SOLID	R017
7.3	384+65	7.3	385+41	RT	76	6" WHITE SOLID	R017
7.3	385+73	7.3	386+33	RT	60	6" WHITE SOLID	R017
7.4	389+00	7.7	404+00	LT	1500	6" WHITE SOLID	R018
7.4	389+00	7.7	404+00	LT	1500	6" SOLID/ 10' DASHED YELLOW	R018
7.4	389+00	7.7	404+00	CL	1500	6" SOLID/ 10' DASHED YELLOW	R018
7.4	389+00	7.5	394+33	RT	533	6" WHITE SOLID	R018
7.4	389+00	7.7	404+00	RT	1500	6" WHITE SOLID	R018
7.4	389+19	7.4	389+66	RT	47	6" WHITE SOLID	R018
7.5	393+53	7.5	394+01	RT	48	6" WHITE SOLID	R018
7.5	394+33	7.5	395+32	RT	99	6" WHITE 6' DASHED	R018
7.5	394+33	7.5	395+32	RT	99	6" WHITE SOLID	R018

7.5	395+32	7.7	404+00	RT	868	6" WHITE SOLID	R018
7.5	395+69	7.5	396+12	RT	43	6" WHITE SOLID	R018
7.5	396+56	7.5	396+97	RT	41	6" WHITE SOLID	R018
7.5	397+16	7.5	397+57	RT	41	6" WHITE SOLID	R018
7.5	397+75	7.5	398+20	RT	45	6" WHITE SOLID	R018
7.6	399+47	7.6	400+12	RT	65	6" WHITE SOLID	R018
7.6	400+96	7.6	401+57	RT	61	6" WHITE SOLID	R018
7.6	402+09	7.6	402+90	RT	81	6" WHITE SOLID	R018
7.7	404+00	7.9	419+00	LT	1500	6" WHITE SOLID	R019
7.7	404+00	7.9	419+00	LT	1500	6" SOLID/ 10' DASHED YELLOW	R019
7.7	404+00	7.9	419+00	CL	1500	6" SOLID/ 10' DASHED YELLOW	R019
7.7	404+00	7.9	419+00	RT	1500	6" WHITE SOLID	R019
7.7	404+00	7.9	417+91	RT	1391	6" WHITE SOLID	R019
7.7	404+42	7.7	404+91	RT	49	6" WHITE SOLID	R019
7.8	411+38	7.8	411+89	RT	51	6" WHITE SOLID	R019
7.9	416+48	7.9	416+96	RT	48	6" WHITE SOLID	R019
7.9	417+91	7.9	418+38	RT	47	6" WHITE 6' DASHED	R019
7.9	417+91	7.9	418+39	RT	48	6" WHITE SOLID	R019
7.9	418+38	7.9	419+00	RT	62	6" WHITE SOLID	R019
7.9	419+00	8.0	422+27	LT	327	6" WHITE SOLID	R020
7.9	419+00	8.0	419+94	LT	94	6" SOLID/ 10' DASHED YELLOW	R020
7.9	419+00	8.0	419+98	RT	98	6" SOLID/ 10' DASHED YELLOW	R020
7.9	419+00	8.2	434+00	RT	1500	6" WHITE SOLID	R020
7.9	419+00	8.2	434+00	RT	1500	6" WHITE SOLID	R020
7.9	419+01	7.9	419+51	RT	50	6" WHITE SOLID	R020
8.0	419+94	8.0	422+49	LT	255	6" YELLOW DOUBLE SOLID	R020
8.0	419+99	8.0	420+72	RT	73	6" WHITE 2' DASHED	R020
8.0	419+99	8.0	421+05	LT	106	6" YELLOW DOUBLE SOLID	R020
8.0	420+72	8.0	424+05	RT	15	6" WHITE SOLID	R020
8.0	422+49	8.0	422+82	LT	33	6" WHITE 2' DASHED	R020
8.0	422+70	8.0	422+71	LT	15	6" WHITE SOLID	R020
8.0	422+82	8.0	423+30	LT	48	6" WHITE 2' DASHED	R020
8.0	423+30	8.1	428+07	LT	477	6" YELLOW DOUBLE SOLID	R020
8.0	423+30	8.1	428+07	LT/RT	477	6" YELLOW DOUBLE SOLID	R020
8.0	423+49	8.2	434+00	RT	1051	6" WHITE SOLID	R020
8.0	424+05	8.1	427+30	RT	325	6" WHITE 2' DASHED	R020
8.0	424+92	8.1	425+41	LT/RT	49	6" WHITE SOLID	R020
8.1	428+07	8.2	434+00	RT	593	6" SOLID/ 10' DASHED YELLOW	R020
8.1	428+07	8.2	434+00	RT	593	6" SOLID/ 10' DASHED YELLOW	R020
8.2	430+39	8.2	430+88	RT	49	6" WHITE SOLID	R020
8.2	432+46	8.2	432+95	RT	49	6" WHITE SOLID	R020
8.2	434+00	8.3	436+60	LT	260	6" WHITE SOLID	R021
8.2	434+00	8.4	442+78	LT	878	6" SOLID/ 10' DASHED YELLOW	R021
8.2	434+00	8.4	442+78	CL	878	6" SOLID/ 10' DASHED YELLOW	R021
8.2	434+00	8.4	442+77	RT	877	6" WHITE SOLID	R021
8.2	434+00	8.4	442+76	RT	876	6" WHITE SOLID	R021
8.3	436+60	8.3	437+15	LT	55	6" WHITE 6' DASHED	R021
8.3	437+15	8.5	447+37	LT	1022	6" WHITE SOLID	R022
8.3	437+69	8.4	440+95	RT	326	6" WHITE 10' DASHED	R021
8.4	440+94	8.4	445+33	RT	439	12" WHITE 3' DASHED	R021
8.4	442+76	8.4	443+86	RT	110	6" WHITE 6' DASHED	R021
8.4	442+79	8.4	442+85	LT	20	6" YELLOW DOUBLE SOLID	R021
8.4	443+73	8.4	445+79	LT	206	6" WHITE SOLID	R021

8.4	443+73	8.5	447+34	CL	361	6" YELLOW DOUBLE SOLID	R021
8.4	443+86	8.5	447+36	RT	350	6" WHITE SOLID	R021
8.4	445+33	8.5	447+34	RT	201	6" WHITE SOLID	R021
8.4	445+79	8.5	447+34	LT	155	12" WHITE 3' DASHED	R021

MILE POINT	STATION	INTERSECTION	STOP BAR 24 INCH (LF)	SHEET
6.9	365+76	US 31E & KY 61	21	R016
7.1	373+30	US 31E & PARK ENTRANCE	13	R016
8.0	422+50	US 31E & SCHOOL ENTRANCE	140	R020
8.5	447+34	US 31E & LINCOLN PARKWAY	91	R021

SUMMARY	TOTALS	MULTIPLIER	BID QTY
6" WHITE SOLID	25,007 LF	1.00	25,007 LF
6" YELLOW DOUBLE SOLID	3,169 LF	2.00	6,338 LF
6" WHITE 2' DASHED	724 LF	0.25	181 LF
12" WHITE SOLID	1,126 LF	1.00	1,126 LF
6" WHITE 6' DASHED	390 LF	0.25	98 LF
12" WHITE 3' DASHED	594 LF	0.25	149 LF
6" SOLID/ 10' DASHED YELLOW	12,030 LF	1.25	15,038 LF
THERMO STOP BAR - 24 INCH	265 LF	N/A	265 LF
THERMO CROSS HATCH	7,049 SQFT	N/A	7,049 SQFT
THERMO CURVE ARROW	56 EACH	N/A	56 SQFT
THERMO COMBINATION ARROW	3 EACH	N/A	3 SQFT
THERMO PAVE MARKING "ONLY"	3 EACH	N/A	3 SQFT
THERMO MERGE ARROW	4 EACH	N/A	4 SQFT
THERMO LANE REDUCTION ARROW	3 EACH	N/A	3 SQFT
THERMO X-WALK - 24 IN	1,184 LF	N/A	1,184 SQFT
THERMO BIKE LANE ARROW	52 EACH	N/A	52 SQFT



SIGN SUMMARY							LARUE COUNTY						US 31E			HSIP							
SIGN LOCATION						MUTCD Code	Sign Description	Sign Text / Remarks	SHEETING			SBM Alum Sheet Signs 0.080 IN (SQ FT)	SBM Alum Sheet Signs 0.125 IN (SQ FT)	Installation Type	Bracing Req'd	# of Sign Posts	Estimated Length of 2" Post (ft)	Estimated Length of 2-1/2" Post (ft)	2-1/4" Stiffener Req'd (incdntl to post)	TOTAL Estimated Sign Post Length (LF)	Barcode Sign Inv. (EACH)		
Assembly ID	Side of Road	Approx Offset (ft)	Approx Station	Approx. Mile Point	Facing Traffic Traveling				Sign Dimensions (in x in)	Text/ Symbol Color	Background Color											Sheeting Type	
S-1	RT	52.00	369+32	6.99	NORTH	W9-1R	Right Lane Ends		36	x	36	Black	Yellow	XI	9.00		Stnd w/ Soil Plate		1.00	12.00	Yes	12.00	1.00
						W16-2P	XX Feet	500 FEET	24	x	18	Black	Yellow	XI	3.00								1.00
S-2	RT	54.00	373+12	7.07	NORTH	W4-2L	Lane Ends Merge Left		36	x	36	Black	Yellow	XI	9.00		Stnd w/ Soil Plate		1.00	11.00	Yes	11.00	1.00
S-3	LT	31.00	373+13	7.07	EAST	R1-1	Stop		36	x	36	White	Red	XI	9.00		Stnd w/ Soil Plate		1.00	9.00	Yes	9.00	1.00
S-4	RT	41.00	378+92	7.18	NORTH	R5-3	No Motor Vehicles		24	x	24	Black	White	XI	4.00		Stnd w/ Soil Plate		1.00	8.00	Yes	8.00	1.00
S-5	RT	32.00	383+38	7.26	NORTH	R5-3	No Motor Vehicles		24	x	24	Black	White	XI	4.00		Stnd w/ Soil Plate		1.00	8.00	Yes	8.00	1.00
S-6	RT	30.00	384+26	7.28	NORTH	R5-3	No Motor Vehicles		24	x	24	Black	White	XI	4.00		Stnd w/ Soil Plate		1.00	8.00	Yes	8.00	1.00
S-7	RT	35.00	387+43	7.34	NORTH	D2-3	Distance (3 lines)		Var	x	42	White	Green	XI	Custom	Custom	Stnd w/ Soil Plate		1.00	9.50	Yes	9.50	1.00
S-8	RT	31.00	394+30	7.47	NORTH	R5-3	No Motor Vehicles		24	x	24	Black	White	XI	4.00		Stnd w/ Soil Plate		1.00	8.00	Yes	8.00	1.00
S-9	RT	31.00	395+36	7.49	NORTH	R5-3	No Motor Vehicles		24	x	24	Black	White	XI	4.00		Stnd w/ Soil Plate		1.00	8.00	Yes	8.00	1.00
S-10	RT	33.00	417+87	7.91	NORTH	R5-3	No Motor Vehicles		24	x	24	Black	White	XI	4.00		Type D Surface Mount		1.00	8.00	Yes	8.00	1.00
S-11	RT	33.00	418+42	7.92	NORTH	R5-3	No Motor Vehicles		24	x	24	Black	White	XI	4.00		Type D Surface Mount		1.00	8.00	Yes	8.00	1.00
S-12	RT	42.00	442+43	8.38	NORTH	R3-7L	Left Lane Must Turn Left		30	x	30	Black	White	XI	6.25		Stnd w/ Soil Plate		1.00	8.50	Yes	8.50	1.00
S-13	RT	52.00	442+43	8.38	NORTH	R3-6R	Optional Right or Thru		30	x	36	Black	White	XI	7.50		Stnd w/ Soil Plate		1.00	9.00	Yes	9.00	1.00

SUMMARY OF ITEMS		
SBM Alum Sheet Signs 0.080 INCH	71.75	SQ FT
Barcode Sign Inventory	14.00	EACH
Remove Signs	3.00	EACH

SUMMARY OF ITEMS		
Steel Post - Type 1	115.00	LF
GMSS Type D (Surface Mount)	2.00	EACH



Corporate Limits		Main Water Marker	OWLM	Crash Cushion TY 9		Point (Misc)	—	Telephone Pedestal	
County Line		Main Water Greater Than 12 Marker	OWLMG12	Cross Notch	•NOTCH	Pole	●	Telephone Pole	
Easement		Sewer Sanitary Marker	OSSM	Curb Box Inlet		Pole (Light)		Temporary Benchmark	
Fence COA		Sewer Sanitary Force Main Marker	OSANFMM	Curb Notch	•NOTCH	Post	•POST	Traffic Light	
Mineral Parcel		Sewer Storm Marker	OSTMM	Combination Pole		Power Pole		Traffic Signal Control Box	
Property Line		Multi Utility Bank Marker	OMUBM	Delineator Post	•DP	Quarry		Traffic Signal Junction Box	
Right of Way Line		Oil Line Marker	OOLM	Drop Box		Random (Ground Shot)	+	Traffic Signal Pole	
All Overhead Utility Lines		Steam Line Marker	OSLM	Existing Spring		Railroad Mile Marker	•RRMM	Traverse Point	•TRAV
Cable Underground Electric With Quality Levels		Cable Guardrail		Electric Manhole		Railroad Spike	•RRS	Tree	
Duct Underground Electric With Quality Levels		Ditch		Electric Pedestal		Right of Way Marker	□	TV Junction Box	
Cable Underground Fiber With Quality Levels		Edge of Water		Electric Pole		Right of Way Monument		Utility Pole	
Cable Underground Telephone With Quality Levels		Fence Hedge		Electric Junction Box		RR Traffic Signal Pole		Underground Storage Tank	
Duct Underground Telephone With Quality Levels		Fence		Fire Hydrant		RW Parcel		Utility Test Hole	
Cable Underground TV With Quality Levels		Flow Line/Thalweg/Int. Stream or Ditch		Flag Pole	•FP	Sanitary Cleanout	OSANCO	Water Line Marker	OWLM
Main Gas With Quality Levels		Guardrail		Force Main Sewer Valve		Sanitary Manhole	OSANMH OSANMH	Water Meter	OWM
Main Water With Quality Levels		Railroad		Fuel Tank Inlet	OFI	Satellite Dish	OSD	Water Spigot	OWS
Main Water Greater Than 12 With Quality Levels		Shrub Line		Fuel Tank Vent	OFV	Septic Tank Cleanout	OSTC	Water Valve	OWV OWV
Sewer Sanitary With Quality Levels		Sink Hole		Gas Meter	OGM	Service Pole	•SP	Water Well	OWW
Sewer Sanitary Force Main With Quality Levels		Tree Line		Gas Monitoring Well	OGMW	Sewer Air Release Valve		Yard Light	
Sewer Storm With Quality Levels		Wall (WSM or DSM)		Gas Valve	OGV OG	Shrub		Yard Sprinkler	•YS
Multi Utility Bank Quality Levels		Blue Line Stream		Gas Vent	OGVE	Sign	•SIGN	Yard Sprinkler Water Valve	•YSWV
Oil Line Quality Levels		Lakes and Ponds		Gas Well	OGW	Sign Post (Single)			
Steam Line Quality Levels		Regulated Floodway		Guidewires & Anchors		Sign with 2 posts			
Cable Underground Electric Marker	OCUGEM	RDZ Line		Headstone		Sign group (4)			
Duct Underground Electric Marker	ODUGEM	ADA Ramp		Interstate Shield		Station Stamp			
Cable Underground Fiber Marker	OCUGFM	Anchor Pole	●	Iron Pin	•IP	Storm Manhole	OSSMH		
Cable Underground Telephone Marker	OCUGTM	Benchmark		Light Pole		Stub Power			
Duct Underground Telephone Marker	ODUGTM	Bike Lane Symbol		Low Wire	+	Stub Telephone			
Cable Underground TV Marker	OCUGTVM	Bollard	•BOLLARD	Mag Nail	•MAG	Survey Cross Notch	•CN		
Main Gas Marker	OGM	Centerline	+	Mailbox		Survey Curb Notch	•NOTCH		
		Centerline Stationing		Manhole		Survey Nail	•MAG		
		Control Monument		Mile Marker Post	•MP	Survey Spike	•RRS		
		Control Point		Mineral Parcel		Survey Stone Marker	•STONE		
		Core Hole	OCORE	Misc Location Point		Swamp			
		Crash Cushion TY 6 D		Monitoring Well	OMW	Telephone Booth			
		Crash Cushion TY 6 A		Parking Meter	•PM	Telephone Junction Box			
		Crash Cushion TY 9A		Pedestrian Signal		Telephone Line Overhead			
				Pins/Pipes	•IP	Telephone Manhole			
				PK Nail	•PK				

Utility Owners

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42701

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42716

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40202

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Darren Depp
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(270) 678-8200
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Glasgow, KY
42142

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Info@wanrack.com
855-482-2225
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Overland Park, KS 66211

WINDSTREAM - COMMUNICATIONS
Steve Johnson
steve.johnson@windstream.com
(859) 357-6209
130 W. New Circle Road, Suite 170
Lexington, KY
40505

QWICK CURB		
ITEM DESCRIPTION	ITEM CODE	QTY.
QWICK CURB MEDIAN SEPARATOR	22680EN	100



BEGIN PAVING
STA 365+00.00

BEGIN CONST.
STA 365+00.00

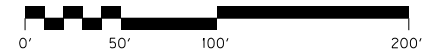
PI STA 367+51.29
 $\Delta = 12^\circ 36' 07''$ RT
 T = 181.13'
 L = 360.80'
 R = 1640.42'
 E = 9.97'



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: US 31E RECONFIGURATION - PLAN SHEET

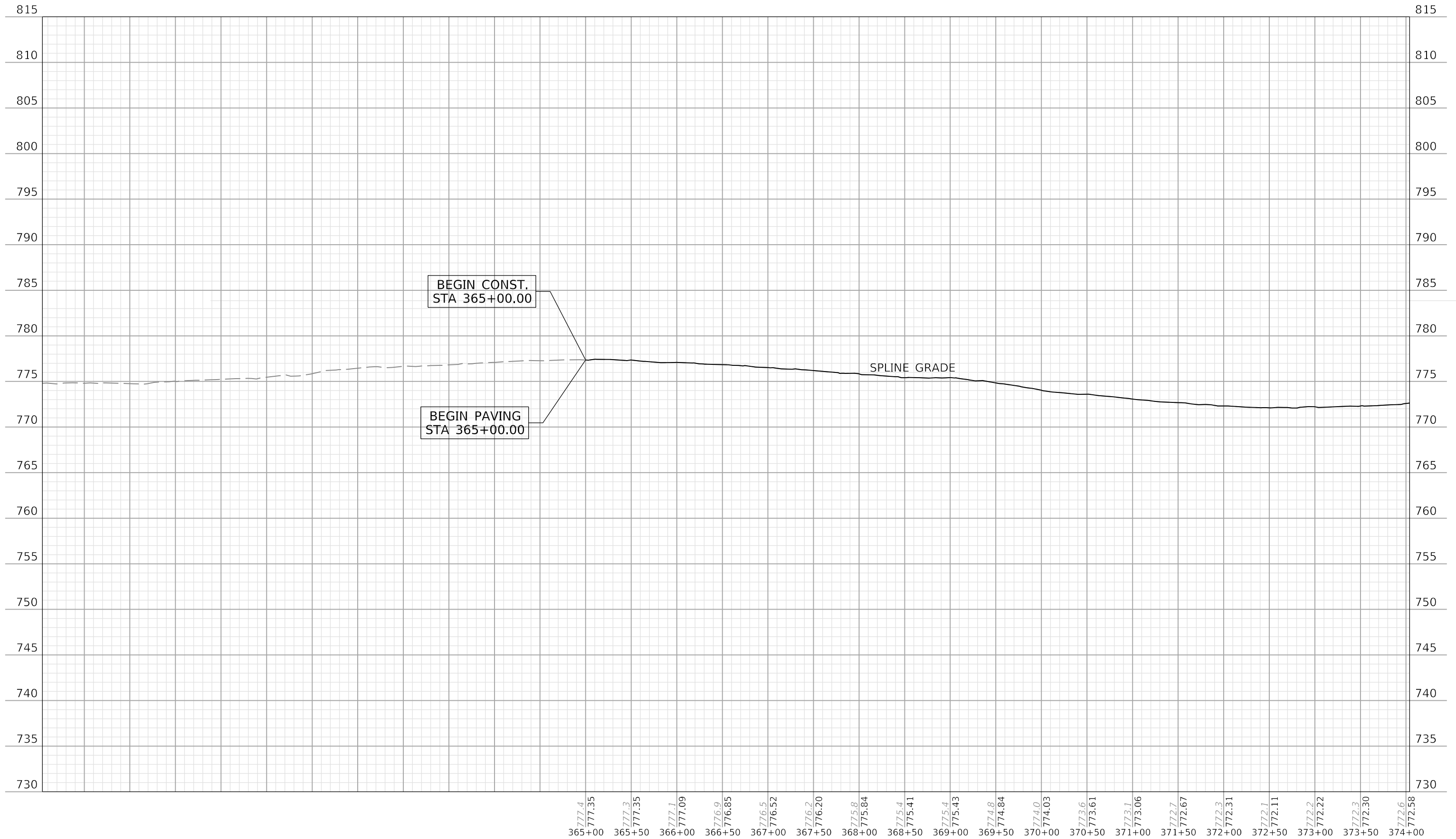


STA. 365+67.85 TO STA. 374+00.00

ITEM NO.
04-980.00

COUNTY OF
LARUE

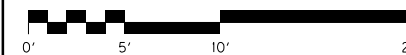
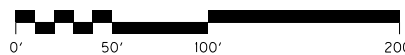
SHEET NO.
R004



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: US 31E RECONFIGURATION - PROFILE



STA. 365+67.85 TO STA. 374+00.00

ITEM NO.
04-980.00

COUNTY OF
LARUE

SHEET NO.
R005

FLEXIBLE POST DELINEATORS		
ITEM DESCRIPTION	ITEM CODE	QTY. (EACH)
FLEXIBLE DELINEATOR POST-M/W	06401	34

DETECTABLE WARNINGS			
STA. TO STA.	ITEM CODE	AREA (SQFT)	AREA (SQYD)
378+93.00 TO 378+95.00	23158ES505	16	2
383+41.00 TO 383+43.00	23158ES505	16	2
384+21.00 TO 384+23.00	23158ES505	16	2

PI STA 376+46.06
 $\Delta = 24^\circ 16' 08''$ LT
 $T = 387.98'$
 $L = 764.32'$
 $R = 1804.46'$
 $E = 41.24'$



MATCHLINE STA 374+00.00

MATCHLINE STA 389+00.00

BEGIN SHARED USE PATH
STA 378+92.00

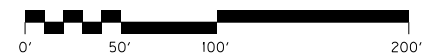


COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: US 31E RECONFIGURATION - PLAN SHEET

HORIZONTAL SCALE
SCALE: 1"=50'

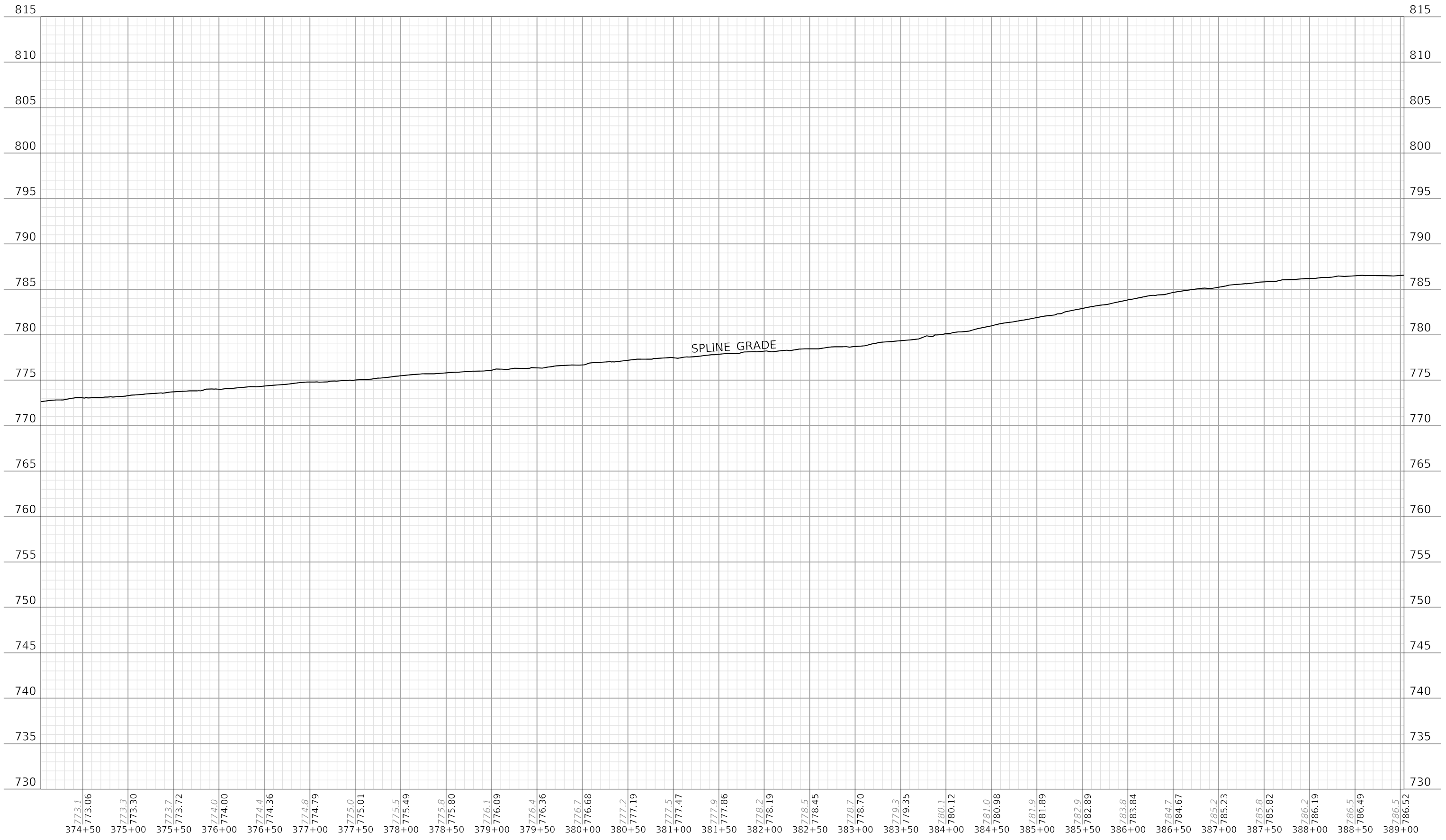


STA. 374+00.00 TO STA. 389+00.00

ITEM NO.
04-980.00

SHEET NO.
R006

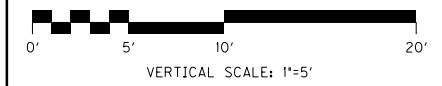
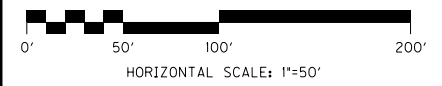
COUNTY OF
LARUE



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: US 31E RECONFIGURATION - PROFILE



STA. 374+00.00 TO STA. 389+00.00

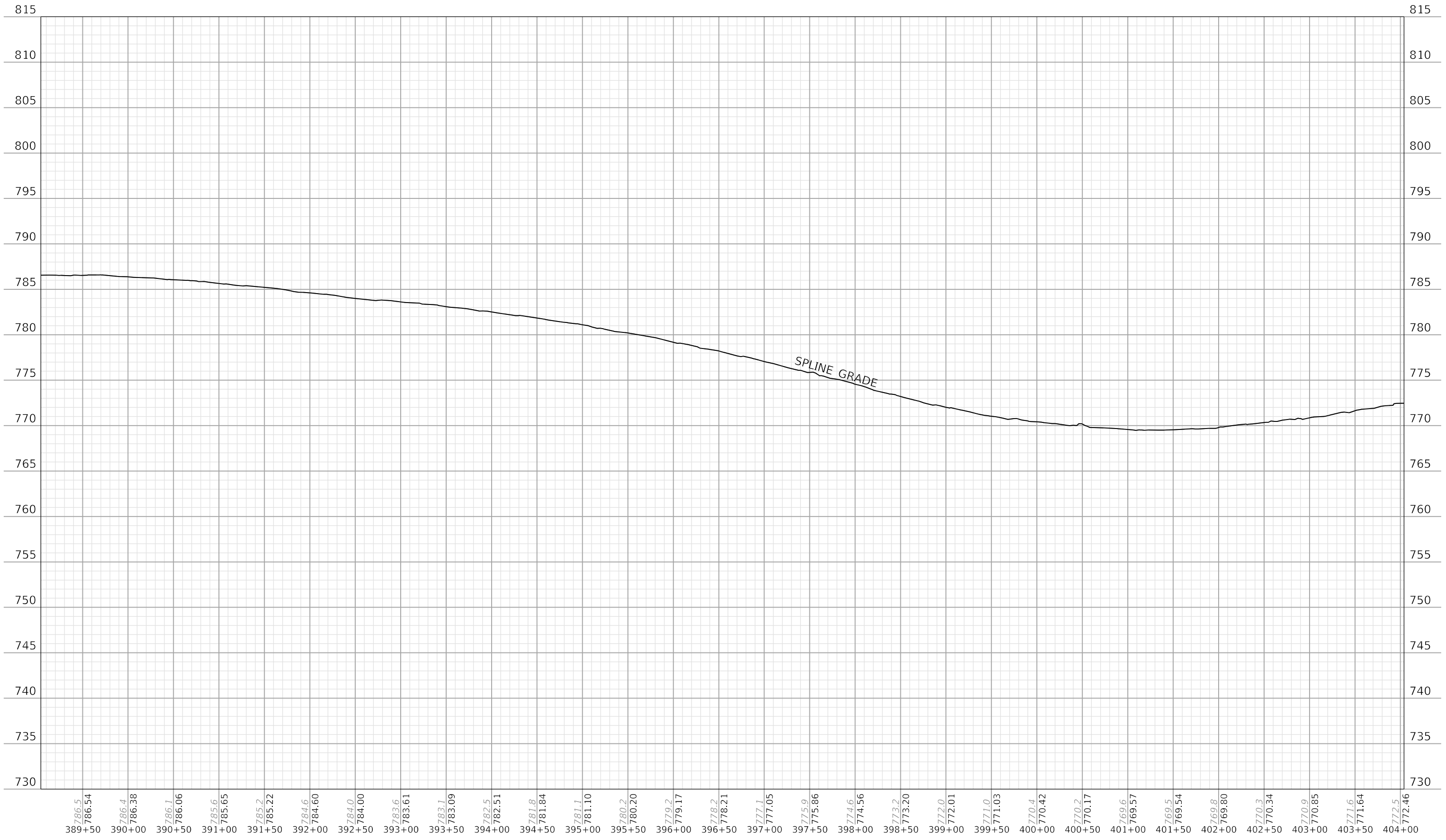
ITEM NO. 04-980.00 COUNTY OF LARUE
SHEET NO. R007

FLEXIBLE POST DELINEATORS		
ITEM DESCRIPTION	ITEM CODE	QTY. (EACH)
FLEXIBLE DELINEATOR POST-M/W	06401	44

DETECTABLE WARNINGS			
STA. TO STA.	ITEM CODE	AREA (SQFT)	AREA (SQYD)
394+32.00 TO 394+34.00	23158ES505	16	2
395+30.00 TO 395+32.00	23158ES505	16	2



PI STA 391+70.73
 $\Delta = 10^{\circ}22'16''$ RT
 T = 491.28'
 L = 979.87'
 R = 5413.36'
 E = 22.25'



FLEXIBLE POST DELINEATORS		
ITEM DESCRIPTION	ITEM CODE	QTY.
FLEXIBLE DELINEATOR POST-M/W	06401	47

DETECTABLE WARNINGS			
STA. TO STA.	ITEM CODE	AREA (SQFT)	AREA (SQYD)
417+90.00 TO 417+92.00	23158ES505	20	2
418+38.00 TO 418+40.00	23158ES505	20	2



MATCHLINE STA 404+00.00

MATCHLINE STA 419+00.00



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: US 31E RECONFIGURATION - PLAN SHEET

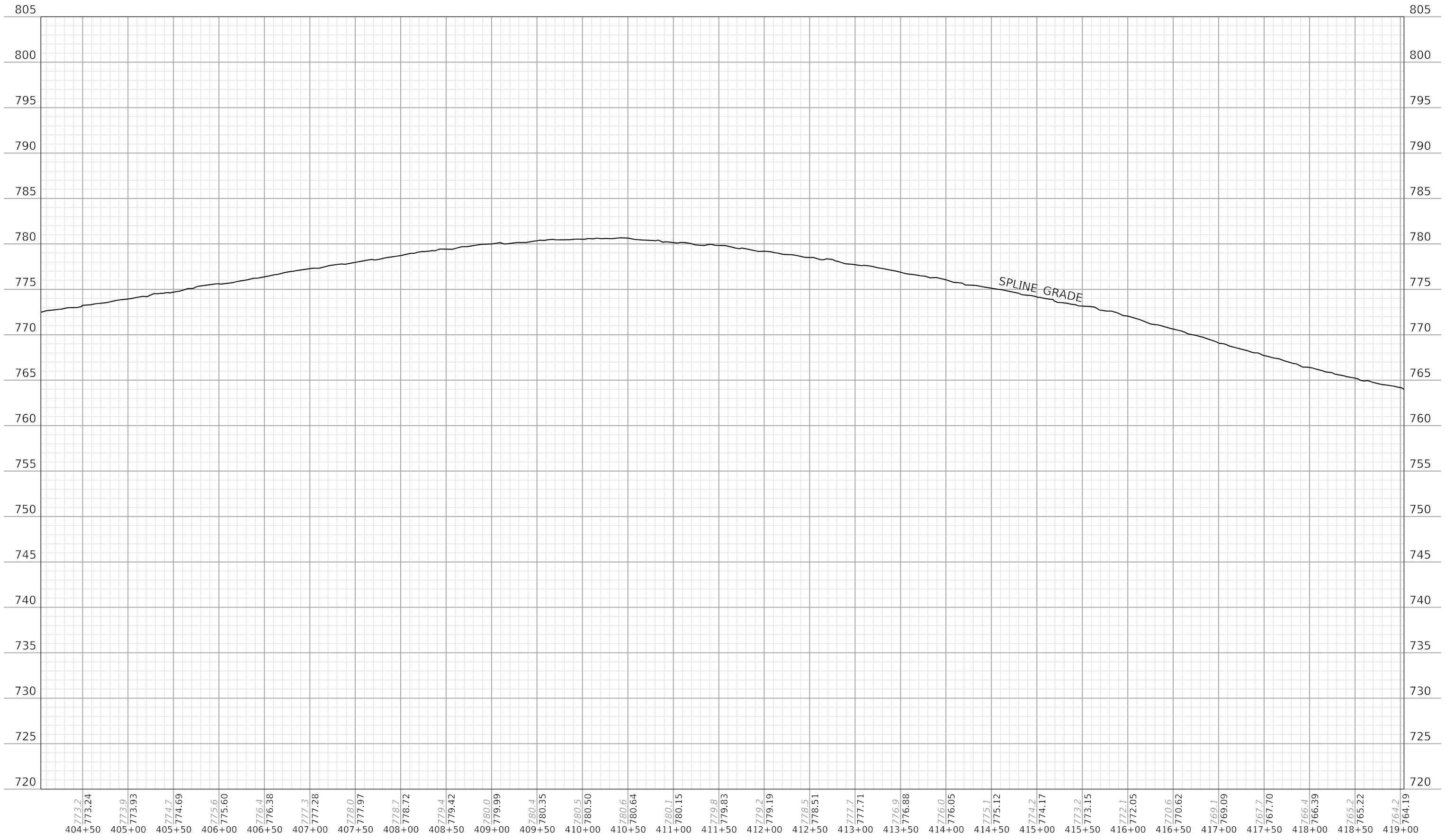
HORIZONTAL SCALE
SCALE: 1"=50'



STA. 404+00.00 TO STA. 419+00.00

ITEM NO.
04-980.00
SHEET NO.
R010

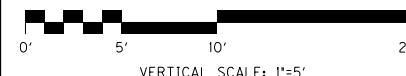
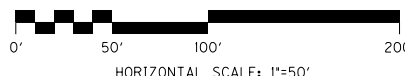
COUNTY OF
LARUE



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: US 31E RECONFIGURATION - PROFILE



STA. 404+00.00 TO STA. 419+00.00

ITEM NO.
04-980.00
SHEET NO.
R011

COUNTY OF
LARUE

FLEXIBLE POST DELINEATORS		
ITEM DESCRIPTION	ITEM CODE	QTY.
FLEXIBLE DELINEATOR POST-M/W	06401	16
FLEXIBLE DELINEATOR POST-M/Y	06404	32

CEMENT CONCRETE ISLAND				
STA. TO STA.	ITEM CODE	HEIGHT (IN)	AREA (SQFT)	AREA (SQYD)
420+78.50 TO 422+96.00	02015	6	1310	146

QWICK CURB		
ITEM DESCRIPTION	ITEM CODE	QTY. (LF)
QWICK CURB MEDIAN SEPARATOR	22680EN	100



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: US 31E RECONFIGURATION - PLAN SHEET

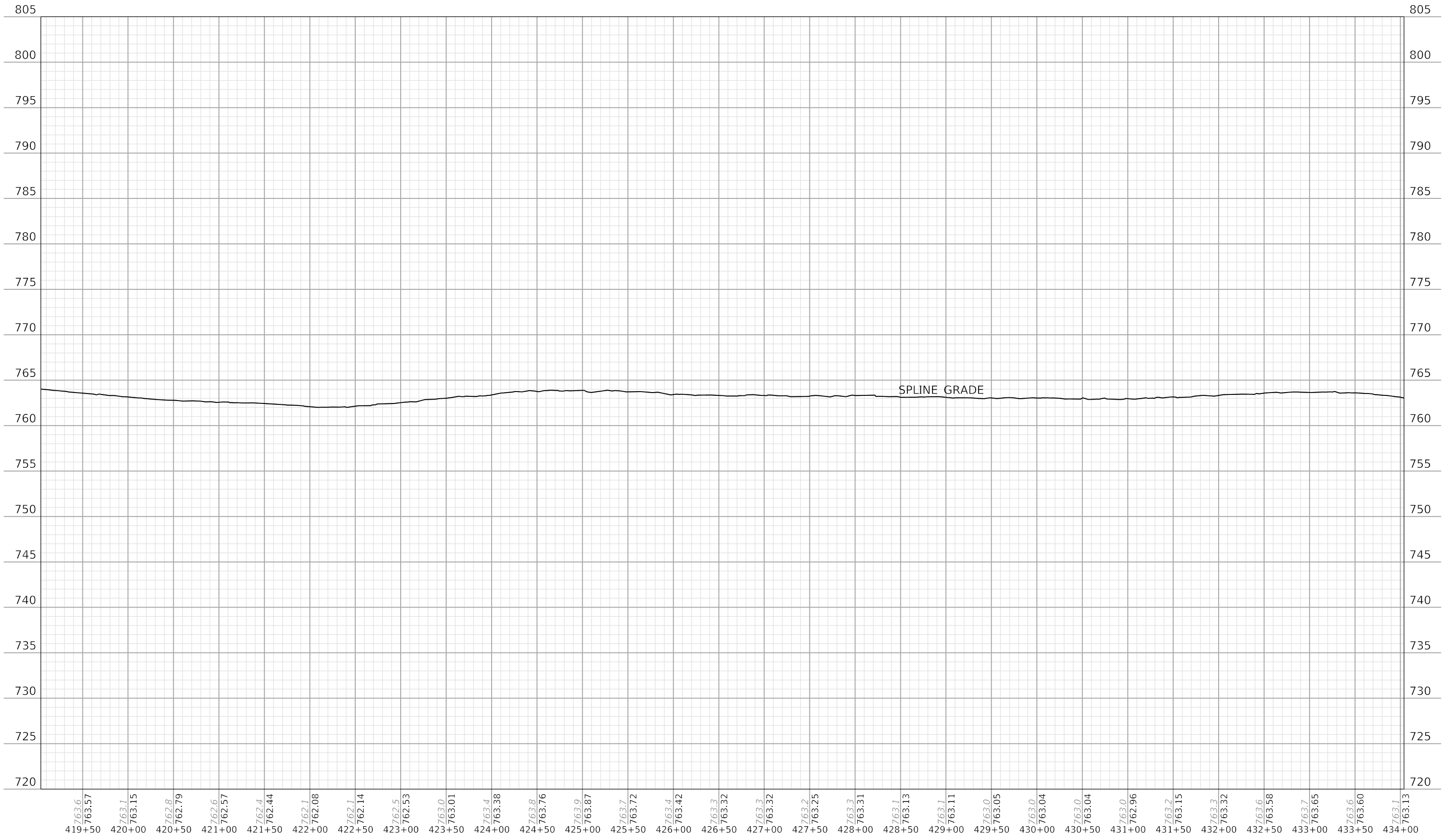
HORIZONTAL SCALE
SCALE: 1"=50'



STA. 419+00.00 TO STA. 434+00.00

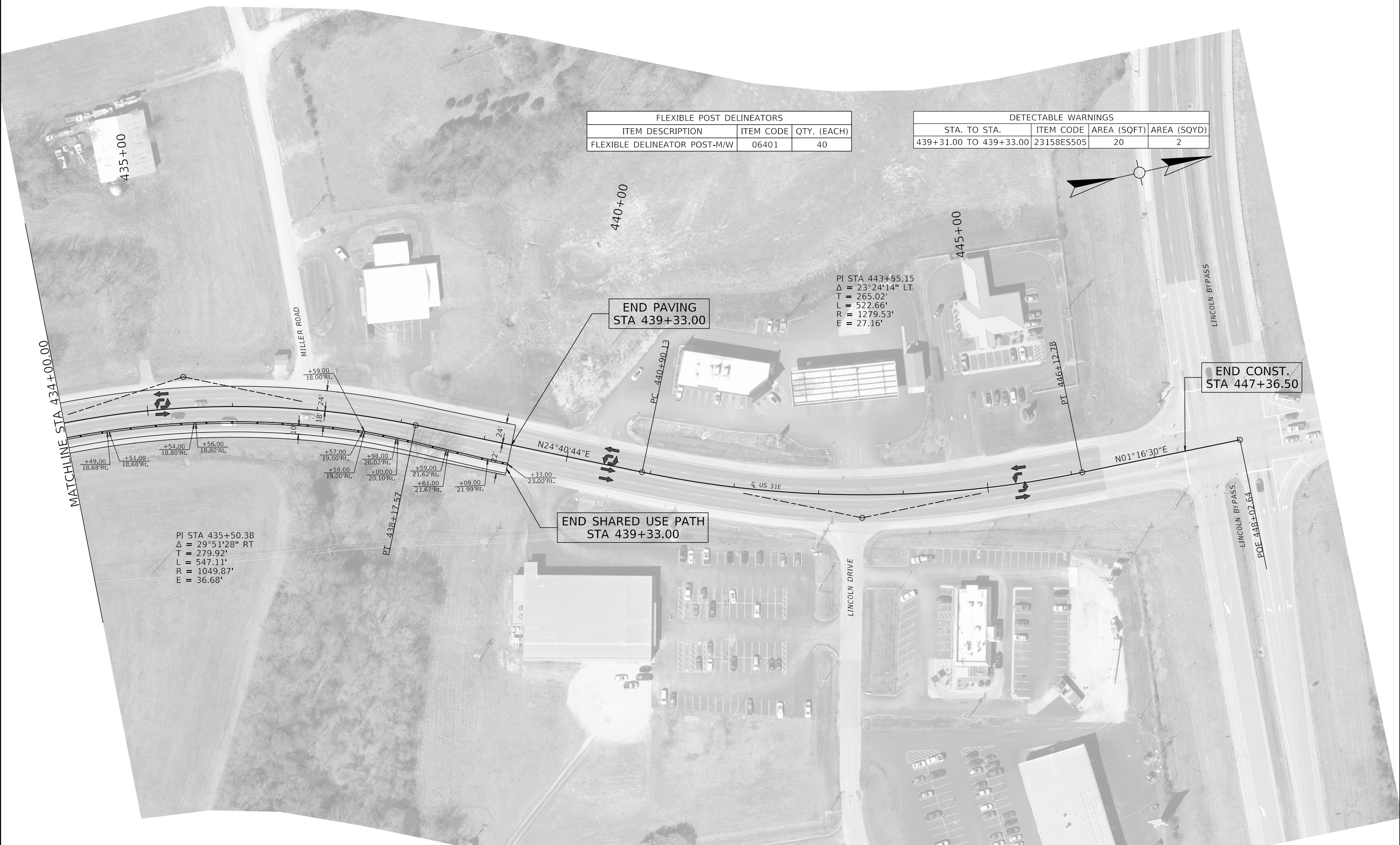
ITEM NO.
04-980.00
SHEET NO.
R012

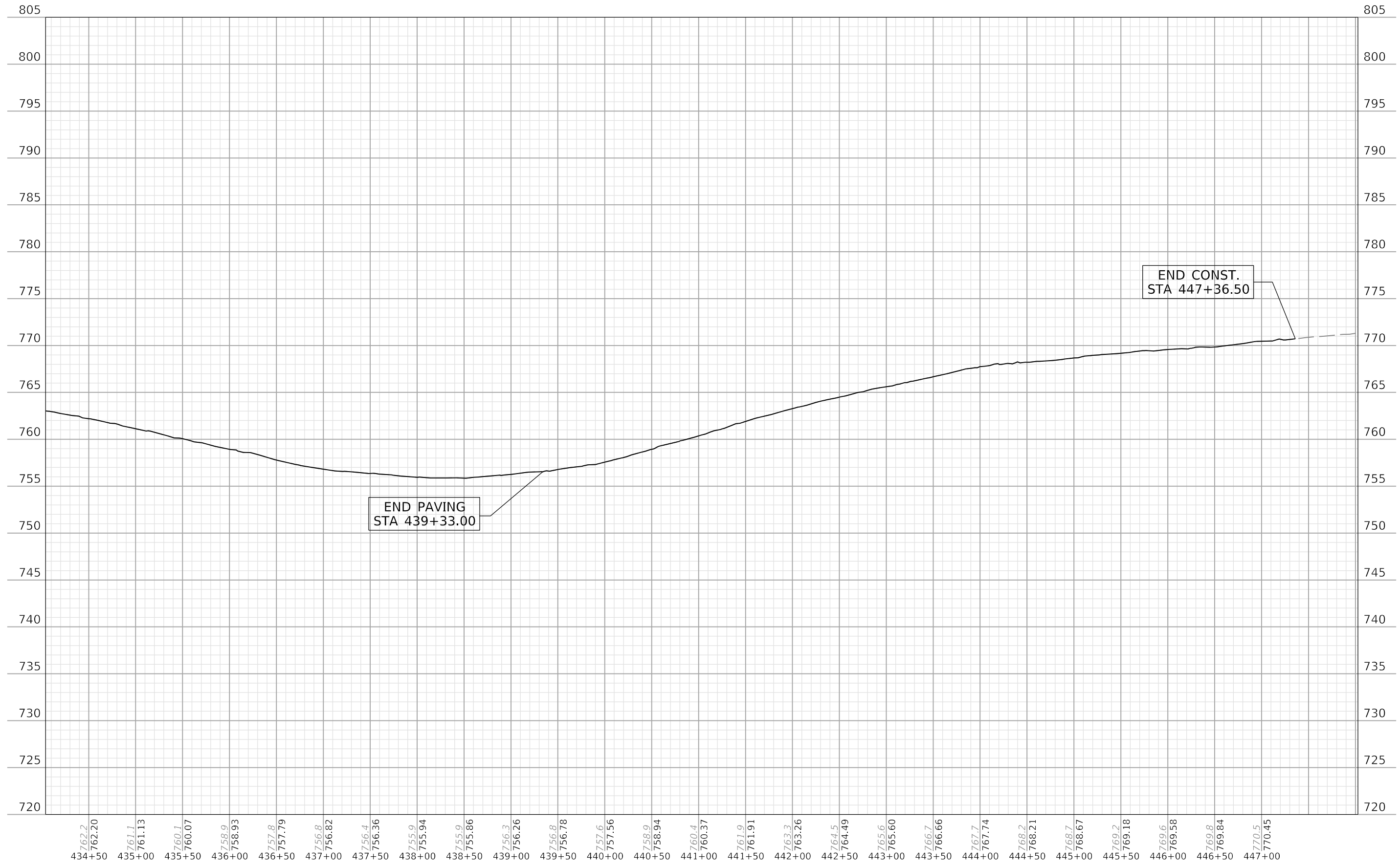
COUNTY OF
LARUE



FLEXIBLE POST DELINEATORS		
ITEM DESCRIPTION	ITEM CODE	QTY. (EACH)
FLEXIBLE DELINEATOR POST-M/W	06401	40

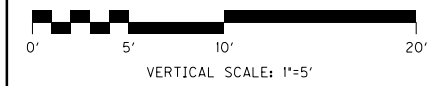
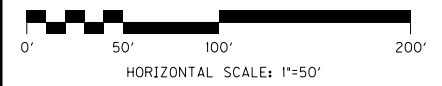
DETECTABLE WARNINGS			
STA. TO STA.	ITEM CODE	AREA (SQFT)	AREA (SQYD)
439+31.00 TO 439+33.00	23158E5505	20	2





COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS

DRAWING TITLE: US 31E RECONFIGURATION - PROFILE



STA. 434+00.00 TO STA. 447+34.00

ITEM NO. 04-980.00 COUNTY OF LARUE
SHEET NO. R015



BEGIN CONST.
STA 365+00.00

MATCHLINE STA 374+00

LEGEND	
DESCRIPTION	ABBREV.
6" WHITE 10' DASHED	(6W10D)
6" WHITE SOLID	(6WS)
6" WHITE 2' DASHED	(6W2D)
6" YELLOW DOUBLE SOLID	(6YDS)
6" YELLOW SOLID	(6YS)
12" WHITE SOLID	(12WS)

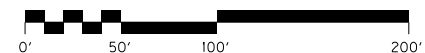


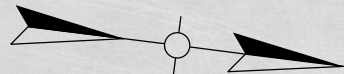


MATCHLINE STA 374+00

MATCHLINE STA 389+00

LEGEND	
DESCRIPTION	ABBREV.
6" WHITE 10' DASHED	(6W10D)
6" WHITE 6' DASHED	(6W6D)
6" WHITE SOLID	(6WS)
6" YELLOW 10' DASHED	(6Y10SD)
6" YELLOW DOUBLE SOLID	(6YDS)





MATCHLINE STA 389+00

MATCHLINE STA 404+00

LEGEND	
DESCRIPTION	ABBREV.
6" WHITE SOLID	(6WS)
6" WHITE 6' DASHED	(6W6D)
6" YELLOW 10' DASHED	(6Y10SD)





MATCHLINE STA 404+00

MATCHLINE STA 419+00

LEGEND	
DESCRIPTION	ABBREV.
6" WHITE SOLID	(6WS)
6" YELLOW 10' DASHED	(6Y 10SD)



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: US 31E RECONFIGURATION - STRIPING SHEETS

HORIZONTAL SCALE
SCALE: 1"=50'



STA. 404+00.00 TO STA. 419+00.00

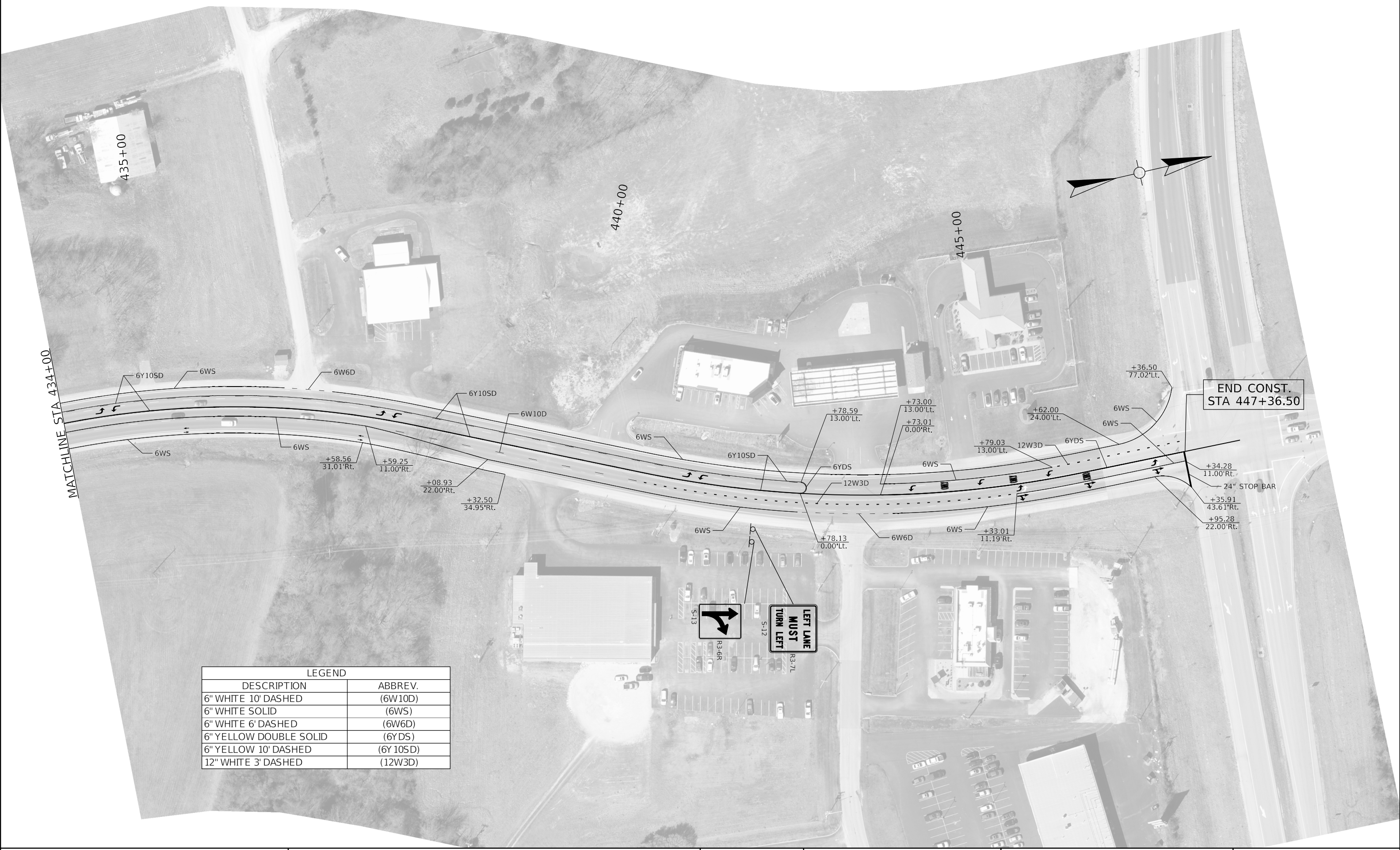
ITEM NO.
04-980.00

COUNTY OF
LARUE

SHEET NO.
R019



LEGEND	
DESCRIPTION	ABBREV.
6" WHITE SOLID	(6WS)
6" WHITE 2' DASHED	(6W2D)
6" YELLOW DOUBLE SOLID	(6YDS)
6" YELLOW 10' DASHED	(6Y10SD)



LEGEND	
DESCRIPTION	ABBREV.
6" WHITE 10' DASHED	(6W10D)
6" WHITE SOLID	(6WS)
6" WHITE 6' DASHED	(6W6D)
6" YELLOW DOUBLE SOLID	(6YDS)
6" YELLOW 10' DASHED	(6Y10SD)
12" WHITE 3' DASHED	(12W3D)



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: US 31E RECONFIGURATION - STRIPING SHEETS

HORIZONTAL SCALE
SCALE: 1"=50'

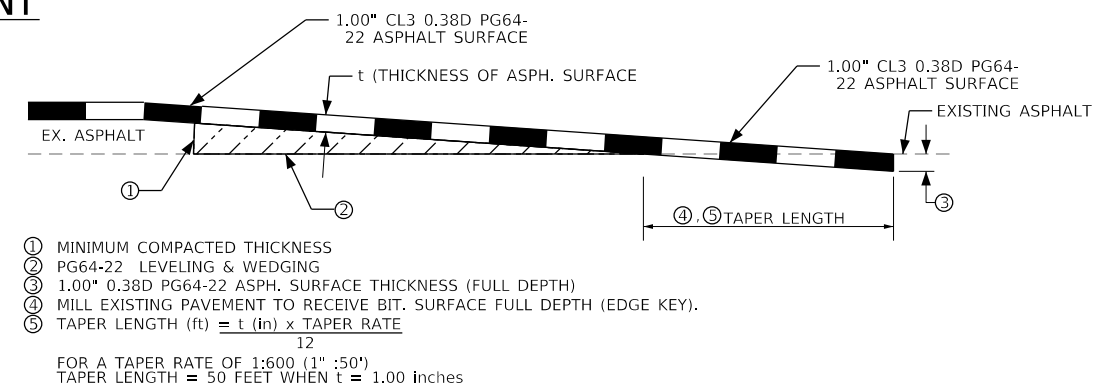
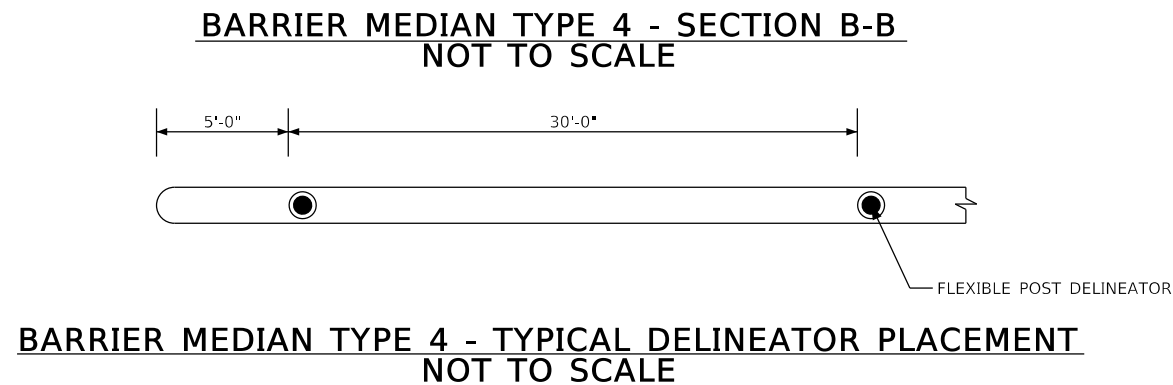
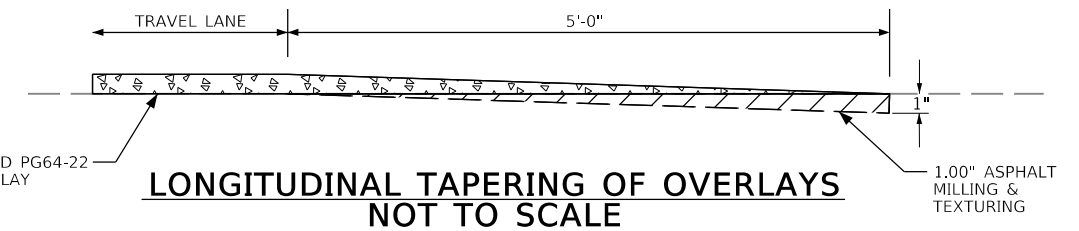
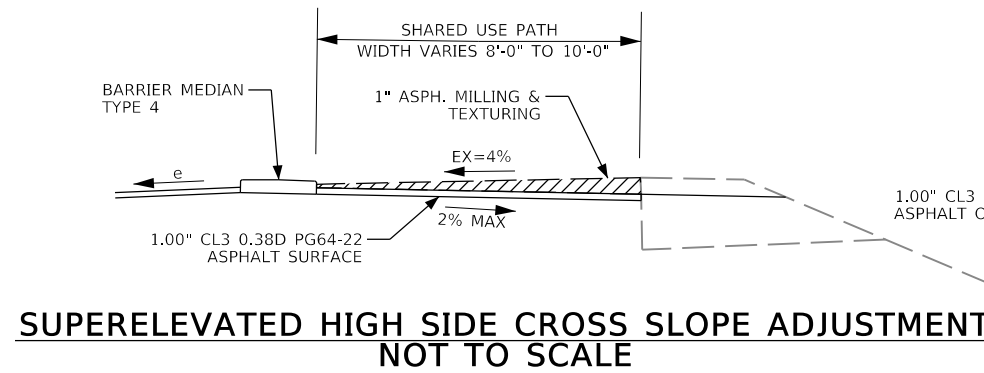
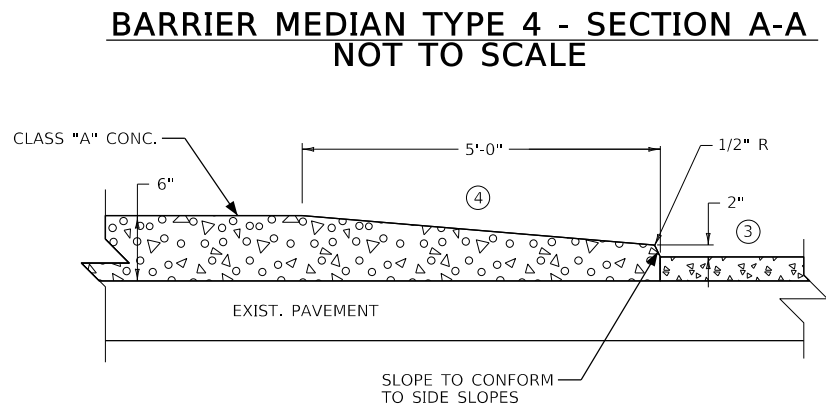
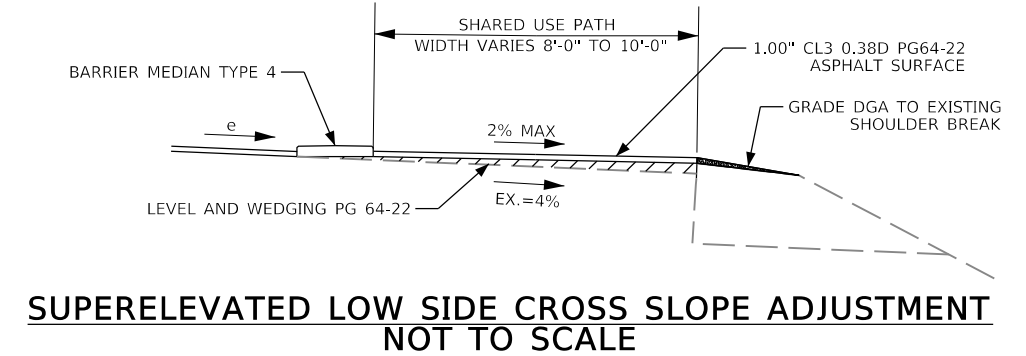
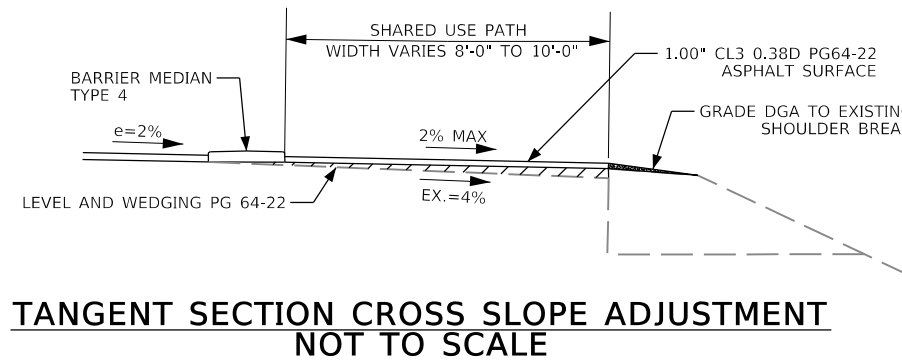
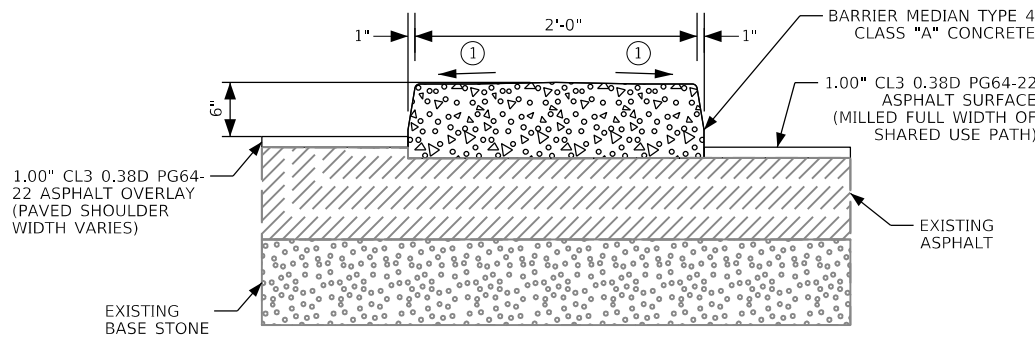
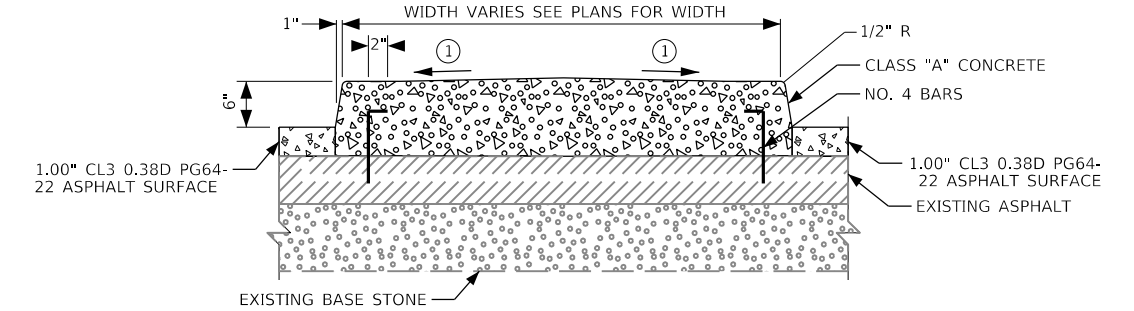
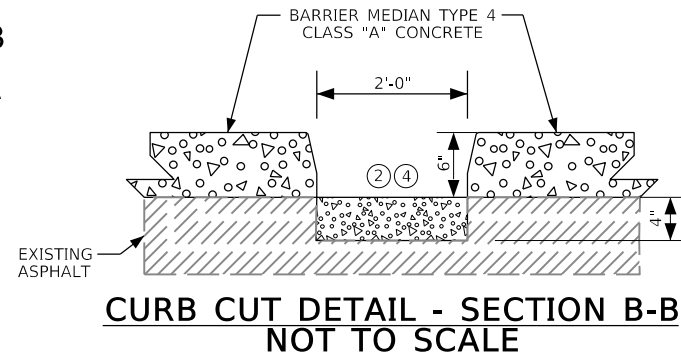
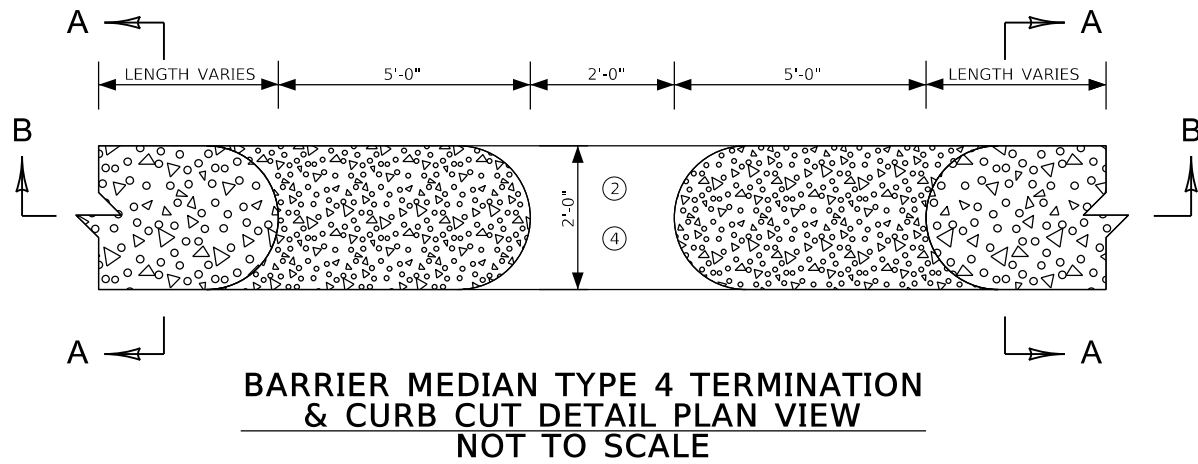


STA. 434+00.00 TO STA. 449+00.00

ITEM NO.
04-980.00
SHEET NO.
R021

COUNTY OF
LARUE

- ① PAVED AREA SHALL BE SLOPED SO AS TO OBTAIN PROPER DRAINAGE AS DIRECTED BY THE ENGINEER ON CONSTRUCTION.
- ② AREA BETWEEN MEDIANS FOR CURB CUT SHALL BE CLASS "A" CONCRETE.
- ③ TERMINATION OF BARRIER MEDIAN WILL TIE INTO PROPOSED 1.00" CL3 0.38D PG64-22 ASPHALT.
- ④ CONTRARY TO STANDARD DRAWING RPM-101-06-S, BARRIER MEDIAN NOSES AT CURB CUTS WILL REMAIN 6" HIGH FROM PROPOSED SURFACE. HOWEVER, AT ENTRANCE OPENINGS, CONSTRUCT BARRIER MEDIAN NOSES AS SPECIFIED IN THE STANDARD DRAWING



- ① MINIMUM COMPACTED THICKNESS
 - ② PG64-22 LEVELING & WEDGING
 - ③ 1.00" 0.38D PG64-22 ASPH. SURFACE THICKNESS (FULL DEPTH)
 - ④ MILL EXISTING PAVEMENT TO RECEIVE BIT. SURFACE FULL DEPTH (EDGE KEY).
 - ⑤ TAPER LENGTH (ft) = t (in) x TAPER RATE
- FOR A TAPER RATE OF 1:600 (1" : 50')
TAPER LENGTH = 50 FEET WHEN t = 1.00 inches

