SHEET 1 OF 2

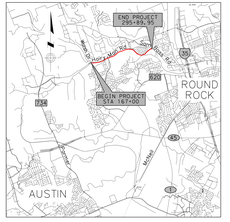
WILLIAMSON COUNTY
1848

WILLIAMSON COUNTY

PRELIMINARY DESIGN FOR:

BRUSHY CREEK ROAD/HAIRY MAN ROAD SHOULDER AND TURN LANE IMPROVEMENTS

CITIES: ROUND ROCK, CEDAR PARK
LIMITS = WALSH DR TO SAM BASS RD
APPROX LENGTH OF PROJECT = 2.44 MI
DESIGN SPEED = 35 MPH
FUNCTIONAL CLASSIFICATION = MAJOR COLLECTOR
ROADWAY CLASSIFICATION = URBAN STREET
TERRAIN = ROLLING
TxDOT 3R DESIGN CRITERIA
CURRENT ADT (2014) = 8,121
TRUCK PERCENTAGE = 1%



VICINITY MAP
N.T.S.

BEARING BASIS: NAD-83, TEXAS CENTRAL (4203), STATE PLANE SYSTEM.
COORDINATES FOR THIS PROJECT ARE SURFACE VALUES BASED ON A COMBINED SURFACE ADJUSTMENT FACTOR OF 1.00011.
VERTICAL DATUM: GEOID 2012A, PER WESTERN DATA GPS REFERENCE NETWORK.

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF INTERIM REVIEW UNDER THE AUTHORITY OF STEVEN R. LINDSEY, P.E. 105283 ON JANUARY 13, 2017. IT IS NOT INTENDED TO BE USED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.

HORZ SCALE: 1"=100' 0 100 200
VERT SCALE: 1"=10' 0 10 20

PRELIMINARY
SUBJECT TO CHANGE

NOT A BIDDING
DOCUMENT

PREPARED BY
FIRM: ATKINS
ENGINEER: STEVEN R. LINDSEY,P.E.
LICENSE NO: 105283
DATE: 3/3/2017

ATKINS TBPE REG F-474

CURVE AND COORDINATE DATA

ALIGNMENT NO.	CURVE NO.	PC STATION	PI STATION	PT STATION	DELTA	D	L	T	R	e(%)	PC COORDINATE "N"	PC COORDINATE "E"	PI COORDINATE "N"	PI COORDINATE "E"	PT COORDINATE "N"	PT COORDINATE "E"	BEARING BACK	BEARING AHEAD
HMR	HMR-1	170+96.27	174+48.50	177+83.74	0° 29' 45.7"	0° 34' 22.6"	96.48	49.24	10,000.00	EXIST	3,112,156.6664	10,165,114.9556	3,111,727.4855	10,165,078.6327	3,112,242.8768	10,165,121.1825	N 85° 14' 14.93" E	N 84° 39' 52" E
	HMR-2	173+76.31	174+28.15	174+77.98	1° 08' 31.4"	1° 01' 45.30"	99.66	49.83	5,000.00	EXIST	3,112,437.9013	10,165,135.7138	3,112,487.5596	10,165,139.4217	3,112,537.2084	10,165,144.1193	N 85° 43' 58.65" E	N 84° 35' 27.20" E
	HMR-3	178+86.89	177+60.35	178+51.72	1° 43' 42.20"	1° 08' 45.30"	150.83	75.42	5,000.00	EXIST	3,112,745.1878	10,165,163.8128	3,112,820.2730	10,165,170.5020	3,112,895.1099	10,165,180.2934	N 84° 35' 27.20" E	N 82° 51' 45.00" E
	HMR-4	181+35.06	182+66.32	183+98.25	11° 41' 15.83"	11° 49' 24"	265.19	133.06	500.00	EXIST	3,113,188.1675	10,165,216.9900	3,113,320.1914	10,165,233.5227	3,113,446.1208	10,165,276.4518	N 82° 51' 45.00" E	N 71° 10' 29.10" E
	HMR-5	183+86.25	185+61.59	187+24.87	2° 29' 42.71"	0° 45' 50.20"	326.62	163.34	5,000.00	EXIST	3,113,446.1289	10,165,276.4573	3,113,605.5278	10,165,329.1632	3,113,750.8850	10,165,388.5496	N 71° 10' 29.10" E	N 68° 40' 46.39" E
	HMR-6	189+22.64	189+36.23	190+69.49	10° 31' 02.07"	11° 7' 09"	146.85	73.65	800.00	EXIST	3,113,937.1200	10,165,460.4552	3,114,005.3119	10,165,487.2263	3,114,068.2648	10,165,526.0877	N 68° 40' 46.39" E	N 58° 09' 44.32" E
	HMR-7	198+11.78	198+92.61	199+72.81	11° 54' 36.94"	7° 23' 34.81"	161.15	80.85	775.00	EXIST	3,114,698.8599	10,165,917.6277	3,114,765.5458	10,165,960.2962	3,114,843.9514	10,165,987.8306	N 58° 09' 44.32" E	N 70° 04' 24.26" E
	HMR-8	206+42.20	207+31.73	208+21.05	6° 49' 53.78"	8° 29' 10.99"	178.85	89.53	675.00	EXIST	3,115,472.8060	10,164,215.9478	3,115,556.9774	10,164,246.4613	3,115,644.1808	10,164,266.7465	N 70° 04' 24.26" E	N 76° 54' 18.04" E
	HMR-9	209+31.98	210+22.86	211+06.41	16° 06' 16.55"	13° 7' 32"	148.63	74.87	600.00	EXIST	3,115,758.0693	10,164,293.7386	3,115,840.7344	10,164,312.4683	3,115,914.8210	10,164,353.8710	N 76° 54' 18.04" E	N 60° 48' 07.78" E
	HMR-10	213+01.25	214+03.25	215+04.86	8° 58' 28.73"	10° 4' 24"	205.63	102.02	570.00	EXIST	3,116,084.1159	10,164,448.8126	3,116,173.7750	10,164,498.5823	3,116,253.9811	10,164,561.6358	N 60° 48' 07.78" E	N 51° 49' 38.45" E
	HMR-11	217+55.55	219+17.28	220+80.00	7° 28' 54.56"	7° 23' 34"	326.46	163.48	775.00	EXIST	3,116,449.4886	10,164,715.1340	3,116,597.9955	10,164,816.5980	3,116,692.7490	10,164,935.2948	N 51° 49' 38.45" E	N 64° 20' 43.89" E
	HMR-12	221+80.64	222+63.66	223+42.97	20° 24' 46.73"	40° 12' 43"	160.32	81.02	450.00	-1.33%	3,116,763.9949	10,165,006.4573	3,116,820.6260	10,165,064.5981	3,116,893.9109	10,165,099.1478	N 64° 20' 43.89" E	N 84° 45' 30.67" E
	HMR-13	224+74.65	225+47.15	226+19.65	10° 31' 02.07"	8° 11' 09"	145.00	72.50	700.00	EXIST	3,117,129.9617	10,165,105.0204	3,117,201.4449	10,165,114.9556	3,117,270.8500	10,165,095.3139	N 84° 45' 30.67" E	N 76° 34' 39.57" E
	HMR-14	229+24.65	230+49.19	231+53.00	10° 31' 02.07"	11° 6' 20"	336.35	170.50	525.00	EXIST	3,117,437.7460	10,165,298.1044	3,117,554.1835	10,165,324.9033	3,117,663.6961	10,165,373.0150	N 76° 34' 39.57" E	N 64° 25' 43.26" E

EXISTING TYPICAL SECTION

STA 167+00 TO TO STA 295+90

PROPOSED TYPICAL SECTION
TURN LANE & 2-FT SHOULDERS

STA 175+00 TO STA 178+80
STA 186+00 TO STA 192+78

* EDGE AND CENTERLINE MARKING INCLUDE RUMBLE STRIPS

PROPOSED TYPICAL SECTION
2-FT SHOULDERS

STA 167+00 TO STA 175+00
STA 178+80 TO STA 186+00
STA 192+78 TO STA 196+17
STA 206+51 TO STA 295+90

* EDGE AND CENTERLINE MARKING INCLUDE RUMBLE STRIPS

LEGEND

- WORK PERFORMED BY OTHERS
- EXISTING ROW
- PROPOSED ROW
- EXISTING TRAVEL LANE
- PROPOSED TRAVEL LANE
- PROPOSED PAVEMENT WIDENING
- PROPOSED DRIVEWAY
- EXISTING PAVEMENT (TO BE RESURFACED)
- EXISTING BRUSHY CREEK REGIONAL TRAIL
- PROPOSED PARKING LOT PAVEMENT
- PAVEMENT TO BE REMOVED
- CREEK BEND PROJECT (BY OTHERS)
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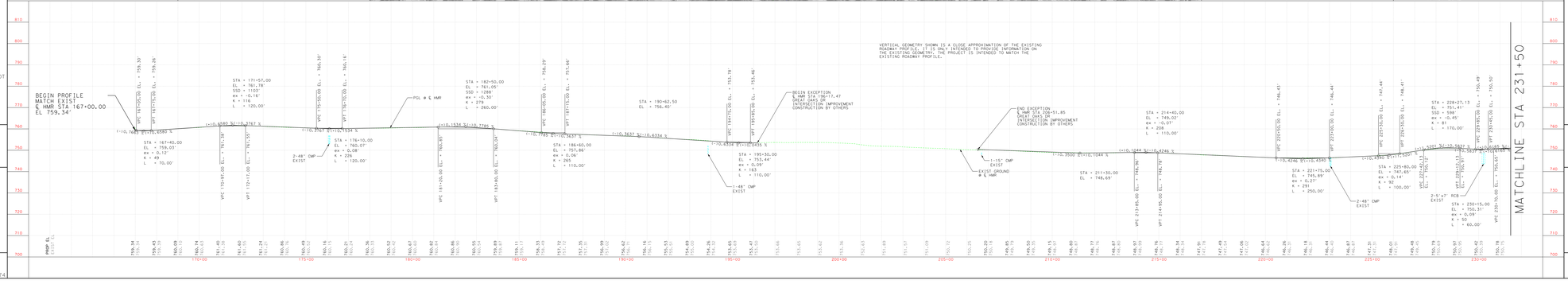

WILLIAMSON COUNTY
1848

WILLIAMSON COUNTY

PRELIMINARY DESIGN FOR:

BRUSHY CREEK ROAD/HAIRY MAN ROAD SHOULDER AND TURN LANE IMPROVEMENTS

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ROADWAY CLASSIFICATION = URBAN STREET
TERRAIN = ROLLING
TxDOT 3R DESIGN CRITERIA
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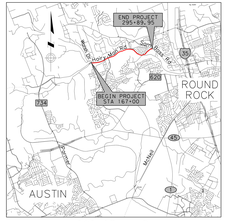

VICINITY MAP
N.T.S.

BEARING BASIS: NAD-83, TEXAS CENTRAL (4203), STATE PLANE SYSTEM.
COORDINATES FOR THIS PROJECT ARE SURFACE VALUES BASED ON A COMBINED SURFACE ADJUSTMENT FACTOR OF 1.00011.
VERTICAL DATUM: GEOID 2012A, PER WESTERN DATA GPS REFERENCE NETWORK.

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HORZ SCALE: 1"=100' 0 100 200
VERT SCALE: 1"=10' 0 10 20

PRELIMINARY
SUBJECT TO CHANGE

NOT A BIDDING
DOCUMENT

PREPARED BY
FIRM: ATKINS
ENGINEER: STEVEN R. LINDSEY,P.E.
LICENSE NO: 105283
DATE: 3/3/2017

ATKINS TBPE REG F-474

SHEET 2 OF 2

WILLIAMSON COUNTY

WILLIAMSON COUNTY

PRELIMINARY DESIGN FOR:

BRUSHY CREEK ROAD/HAIRY MAN ROAD SHOULDER AND TURN LANE IMPROVEMENTS

CITIES: ROUND ROCK, CEDAR PARK
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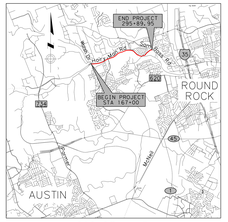

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HORZ SCALE: 1"=100' VERT SCALE: 1"=10'
0 100 200 0 10 20

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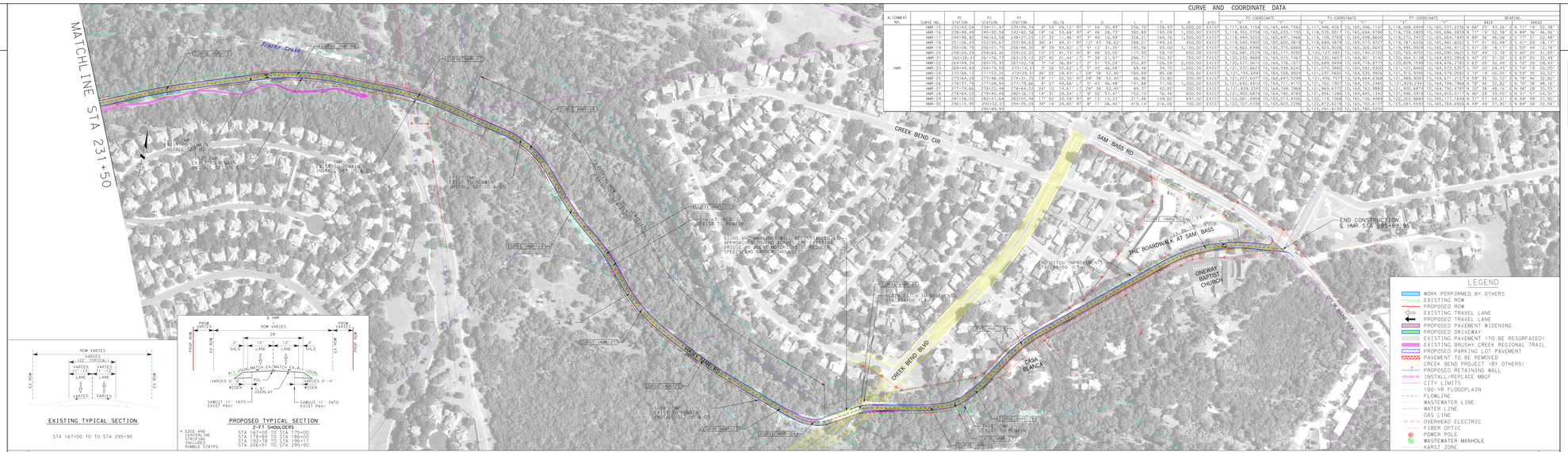

ALIGNMENT NO.	CURVE NO.	PC STATION	PI STATION	PT STATION	DELTA	D	R	T	L	LT	PC COORDINATE N	PC COORDINATE E	PI COORDINATE N	PI COORDINATE E	PT COORDINATE N	PT COORDINATE E	BACK BEARING	AHEAD BEARING
HMR	HMR-13	231+20.00	233+10.56	235+00.74	4° 21' 09.6" RT	1° 54' 35.49"	3,000.00'	256.70'	128.43'	256.62'	EXIST	10,165,444.75	10,165,572.86	10,165,496.11	10,165,468.09	10,165,537.22	N 66° 43' 26" E	N 71° 04' 36" E
	HMR-14	235+02.50	240+91.48	248+80.46	18° 15' 10.9" RT	4° 17' 32.79"	1,335.89'	785.09'	389.01'	777.57'	EXIST	10,165,833.13	10,165,933.15	10,165,917.14	10,165,777.57	10,165,886.39	N 71° 04' 36" E	N 89° 36' 46" E
	HMR-15	244+98.82	246+65.58	249+27.00	17° 32' 11.46" RT	3° 49' 10.99"	328.23'	164.76'	1,500.00'	EXIST	10,166,697.74	10,166,709.21	10,166,713.98	10,166,698.86	10,166,720.34	10,166,864.18	N 89° 36' 46" E	N 17° 51' 02.48" E
	HMR-16	251+06.43	252+55.67	253+94.63	36° 44' 44.11" RT	12° 43' 56.62"	288.21'	149.24'	450.00'	EXIST	10,167,602.06	10,167,611.07	10,167,615.58	10,167,603.05	10,167,623.57	10,167,735.65	N 17° 51' 02.48" E	N 54° 09' 18.17" E
	HMR-17	255+06.75	256+01.70	256+94.30	9° 59' 54.62" LT	5° 12' 31.35"	185.56'	93.00'	1,100.00'	EXIST	10,119,862.69	10,165,375.68	10,119,923.80	10,165,505.64	10,119,995.93	10,165,296.91	N 41° 09' 18.17" E	N 50° 49' 12.18" E
	HMR-18	258+04.29	258+43.42	259+02.22	10° 23' 41.33" RT	6° 48' 53.05"	175.93'	86.13'	850.00'	EXIST	10,120,081.25	10,165,175.62	10,120,127.09	10,165,145.07	10,120,185.65	10,165,095.06	N 50° 49' 12.18" E	N 61° 40' 25" E
	HMR-21	260+26.41	261+76.73	263+23.12	22° 40' 01.44" LT	7° 38' 21.97"	296.71'	150.32'	750.00'	EXIST	10,120,232.98	10,165,015.74	10,120,330.46	10,164,901.31	10,120,484.57	10,164,833.28	N 61° 40' 25" E	N 63° 05' 32.49" E
	HMR-22	264+49.36	265+75.93	267+02.51	7° 14' 36.94" LT	2° 51' 55.24"	292.80'	126.59'	2,000.00'	EXIST	10,120,577.06	10,164,716.15	10,120,689.94	10,164,678.91	10,120,809.59	10,164,616.23	N 63° 05' 32.49" E	N 70° 20' 06.45" E
	HMR-23	269+44.84	269+79.59	270+14.35	3° 58' 50.42" LT	5° 43' 46.48"	69.48'	34.75'	1,000.00'	EXIST	10,121,037.66	10,164,584.62	10,121,070.38	10,164,582.30	10,121,103.84	10,164,573.55	N 70° 20' 06.45" E	N 74° 19' 00.05" E
	HMR-24	270+48.17	271+52.20	272+29.16	46° 05' 29.43" LT	29° 51' 39"	160.89'	86.98'	200.00'	EXIST	10,121,135.64	10,164,558.90	10,121,237.56	10,164,535.90	10,121,305.59	10,164,574.00	N 74° 19' 00.05" E	N 59° 35' 52" E
	HMR-25	273+64.26	273+98.06	274+31.25	19° 11' 02.50" RT	28° 38' 52.45"	66.96'	33.80'	200.00'	EXIST	10,121,427.60	10,164,647.52	10,121,456.75	10,164,664.63	10,121,489.90	10,164,671.21	N 59° 35' 52" E	N 78° 46' 32.82" E
	HMR-26	276+37.76	277+06.84	277+75.64	8° 07' 44.86" LT	5° 43' 46.48"	141.88'	70.88'	1,000.00'	EXIST	10,121,692.49	10,164,711.47	10,121,762.16	10,164,725.24	10,121,829.24	10,164,708.18	N 78° 46' 32.82" E	N 70° 38' 49.14" E
	HMR-27	277+76.66	278+22.48	278+66.03	24° 10' 14.61" LT	29° 38' 52.45"	84.37'	42.82'	200.00'	EXIST	10,121,829.23	10,164,748.19	10,121,868.29	10,164,765.98	10,121,900.69	10,164,792.47	N 70° 38' 49.14" E	N 46° 26' 35.55" E
	HMR-28	281+38.02	282+43.44	283+48.87	28° 55' 34.85" LT	29° 38' 52.45"	110.85'	56.42'	200.00'	EXIST	10,122,060.09	10,165,053.43	10,122,113.26	10,165,080.16	10,122,165.44	10,165,134.00	N 46° 26' 35.55" E	N 75° 05' 10.39" E
	HMR-29	281+38.02	282+43.44	283+48.87	28° 55' 34.85" RT	8° 13' 23.27"	697.16'	355.61'	691.00'	EXIST	10,122,060.09	10,165,053.43	10,122,113.26	10,165,080.16	10,122,165.44	10,165,134.00	N 46° 26' 35.55" E	N 75° 05' 10.39" E
	HMR-30	290+15.95	292+52.07	294+35.08	34° 18' 24.65" RT	8° 11' 06.49"	419.14'	216.06'	700.00'	EXIST	10,122,037.55	10,165,603.22	10,122,872.62	10,165,742.61	10,123,087.55	10,165,764.69	N 49° 49' 57.90" E	N 84° 08' 02.56" E
			295+89.95										10,123,241.61	10,165,786.52				

LEGEND
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STA 167+00 TO TO STA 295+90

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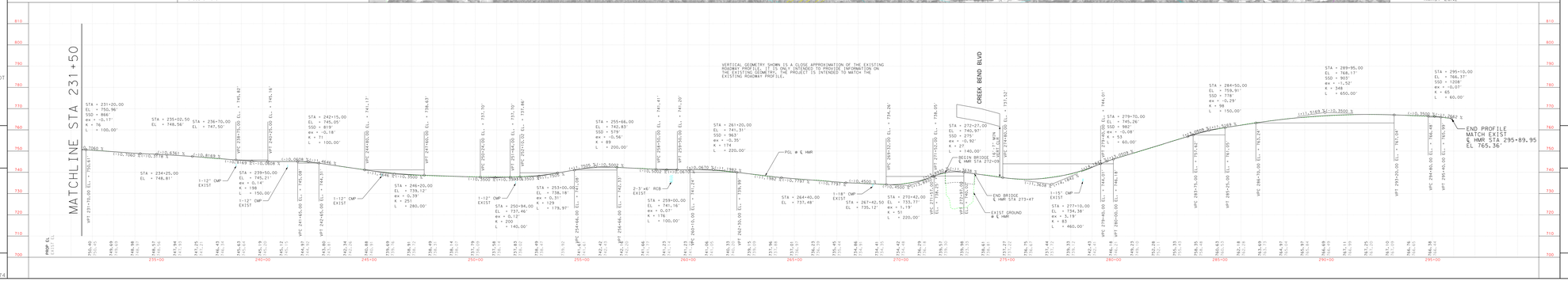

WILLIAMSON COUNTY

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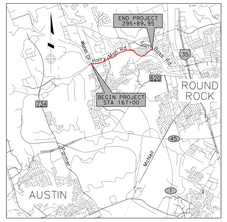

VICINITY MAP
N.T.S.

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ATKINS TBPE REG F-474