

COORDINATE POINT LISTING
& EXISTING TYPICAL SECTION

ALL PROJECT COORDINATES HAVE BEEN PROJECTED FROM THE MISSOURI STATE PLANE COORDINATE (SPC) SYSTEM OF 1983 USING AN AVERAGE PROJECT PROJECTION (GRID TO GROUND) FACTOR. TO GET BACK TO STATE PLAN COORDINATES, MULTIPLY THE PROJECT COORDINATES BY THE AVERAGE GRID FACOTR AS SHOWN IN THE "REFERENCE CONTROL INFORMATION" PORTION OF THIS TABLE.

PROJECT COORDINATE INFORMATION

COORDINATE SYSTEM MODIFIED STATE PLAN (GROUND)

HORIZONTAL DATUM NAD 83 (2011) EPOCH 2010.00

VERTICAL DATUM NAVD 88; GPS DERIVED

GEOID MODEL GEOID18

ELEVATIONS OPUS SOLUTION ON CP1,

DETERMINED BY LEVELING ON REST OF CONTROL

PROJECT PROJECTION FACTOR 1.000096438

REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM MO COORDINATE SYSTEM OF 1983

CONTROL STATION MISSOURI CORS

DESIGNATION MODOT MARYVILLE CORS ARP

CORS ID MOMV

PID DM4124

LATITUDE 40°21'29.38580" (N)

LANGITUDE 094°50'48.02142" (W)

NORTHING (M) 465292.955

EASTING (M) 820553.24

ZONE MO WEST

PROJECT AVERAGE GRID FACTOR 0.999903571

EXAMPLE OF PROJECT COORDINATE TO S.P.C.

PROJECT NORTHING X AVERAGE GRID FACTOR

= STATE PLANE NORTHING

PROJECT EASTING X AVERAGE GRID FACTOR

= STATE PLANE EASTING

EXAMPLE: CONTROL POINT #CP1

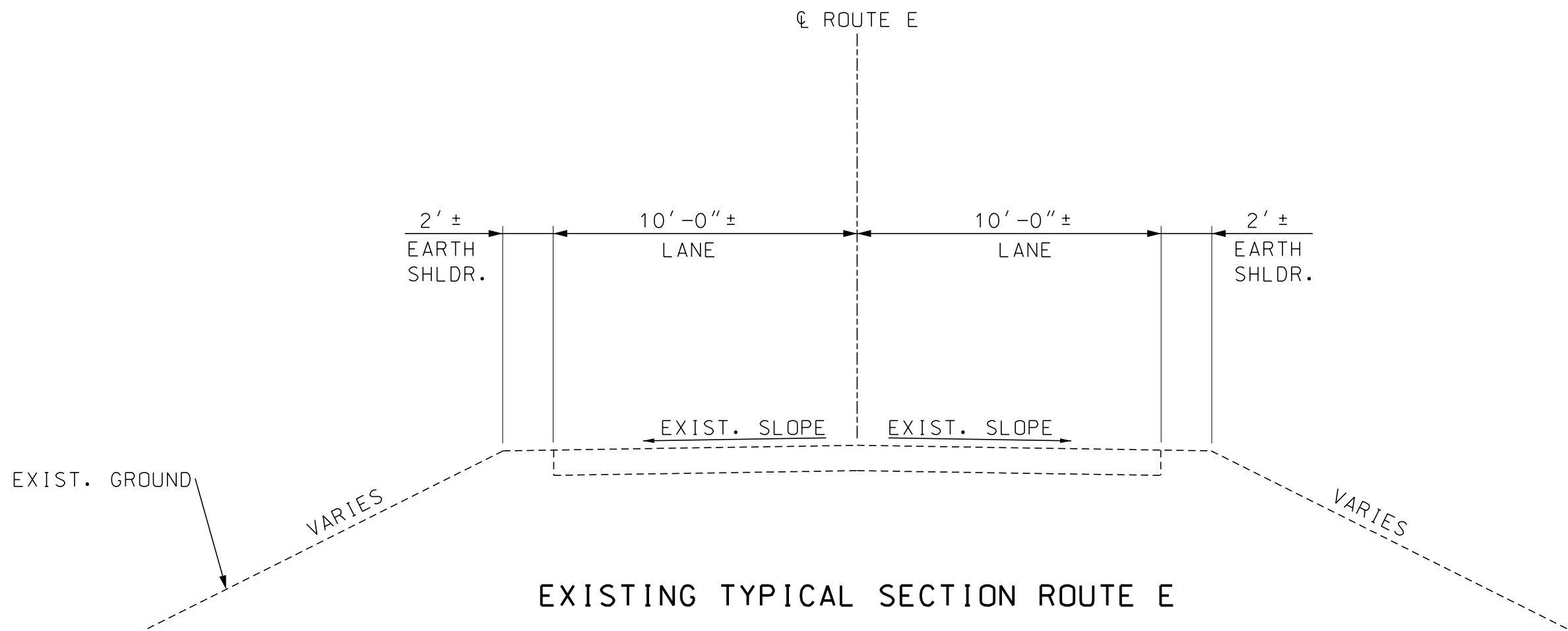
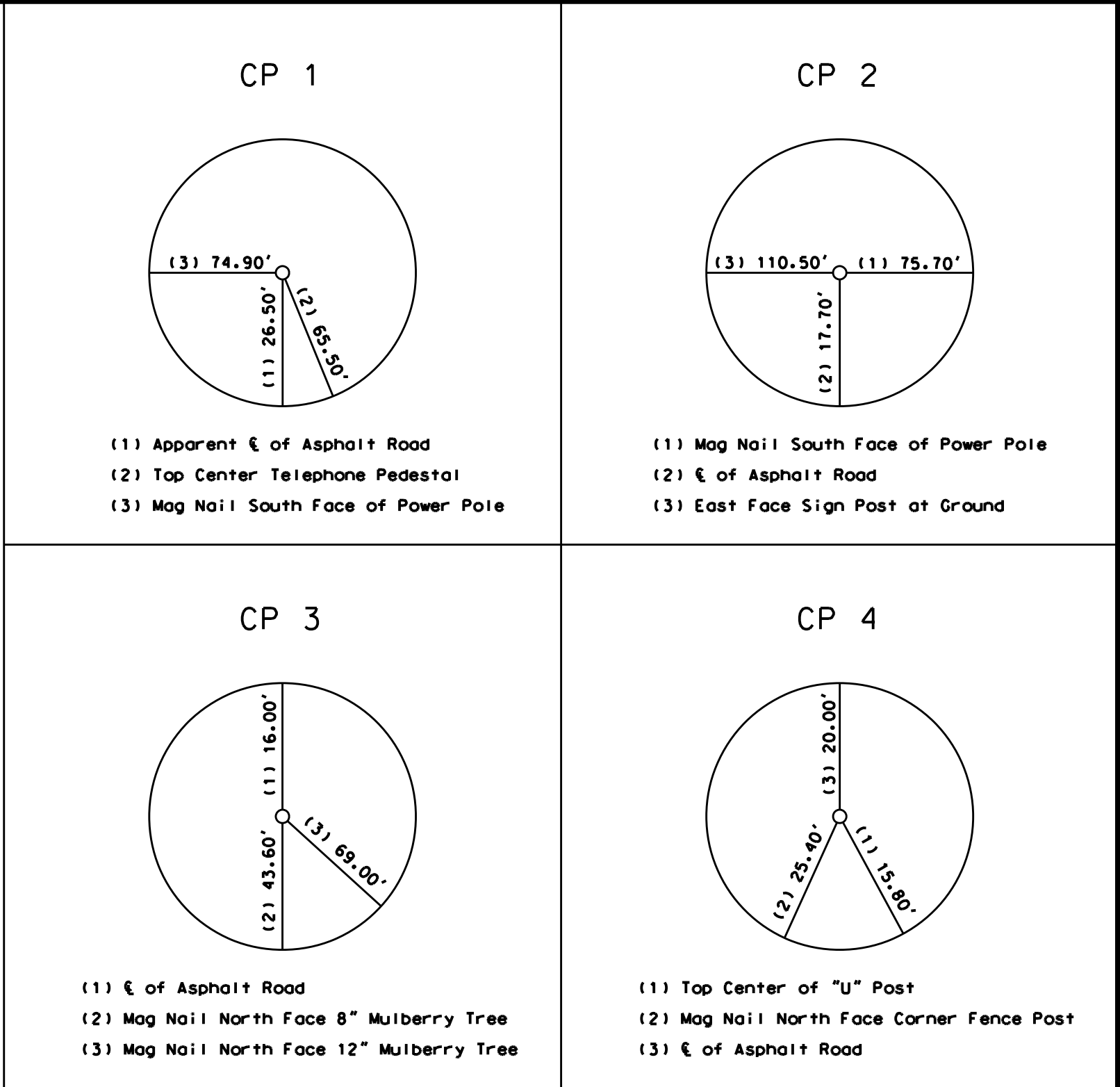
N 1465590.862 X 0.999903571 = N 1465449.536

E 2787346.606 X 0.999903571 = E 2787077.825

LINEAR UNIT CONVERSION

1 METTER = 3.280833333 US SURVEY FEET (USFT)

COORDINATE POINT LISTING								
POINT ID	STATION	LOCATION	OFFSET (USFT)	MODIFIED STATE PLANE (GROUND)			DESCRIPTION	GPK POINT ID
				NORTHING (USFT)	EASTING (USFT)	ELEVATION (USFT)		
PROJECT CONTROL POINTS								
CP 1	65+51.25	LT.	27.17	1465590.862	2787346.606	891.18	SET IRON BAR with WCI 2" ALUM. CAP	1
CP 2	60+96.42	LT.	16.39	1465595.488	2786891.677	873.36	SET IRON BAR with WCI 2" ALUM. CAP	2
CP 3	56+19.40	RT.	16.27	1465578.902	2786413.947	874.35	SET IRON BAR with WCI 2" ALUM. CAP	3
CP 4	54+63.87	RT.	19.68	1465575.296	2786259.426	878.02	SET IRON BAR with WCI 2" ALUM. CAP	4
BM 10	65+89.78	LT.	29.25	1465591.638	2787385.187	890.28	SET U-POST	10
BM 11	59+43.49	LT.	9.94	1465594.222	2786738.613	876.30	CHISELED SQUARE IN NE CORNER CURB ON BRIDGE CHISELED SQUARE IN SW CORNER CURB ON BRIDGE SET U-POST	11
BM 12	58+25.98	RT.	10.65	1465577.619	2786620.477	876.36		12
BM 13	54+73.26	RT.	32.32	1465562.908	2786269.058	875.82		13
ALIGNMENT (Chain EXCL1)								
	50+57.30		0	1465578.460	2785852.630	0.00	BEGINNING OF EXISTING CENTER LINE CHAIN	EXCL11
	54+27.40		0	1465593.700	2786222.410	0.00	P.C.	EXCL1_3
	55+34.00		0	1465598.130	2786329.920	0.00	P.I.	EXCL1_3
	56+42.50		0	1465594.480	2786437.460	0.00	P.T.	EXCL1_3
	63+55.10		0	1465570.350	2787149.650	0.00	P.O.T.	EXCL16
	70+00.10		0	1465548.500	2787794.280	0.00	END OF EXISTING CHAIN CENTER LINE	EXCL17



Name of Stream	WALNUT FORK
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION REPORT OF BRIDGE SURVEY	
SEC. 9	T. 62N R. 32W
ROUTE E	: GENTRY COUNTY
SURVEY MADE BY WILSON & COMPANY	
PREPARED BY WILSON & COMPANY	
CHECKED BY Transportation Project Manager	
PROJ. NO.	STA. 58+78.86
JOB NO.	J1S3216 BRIDGE NO. T0195