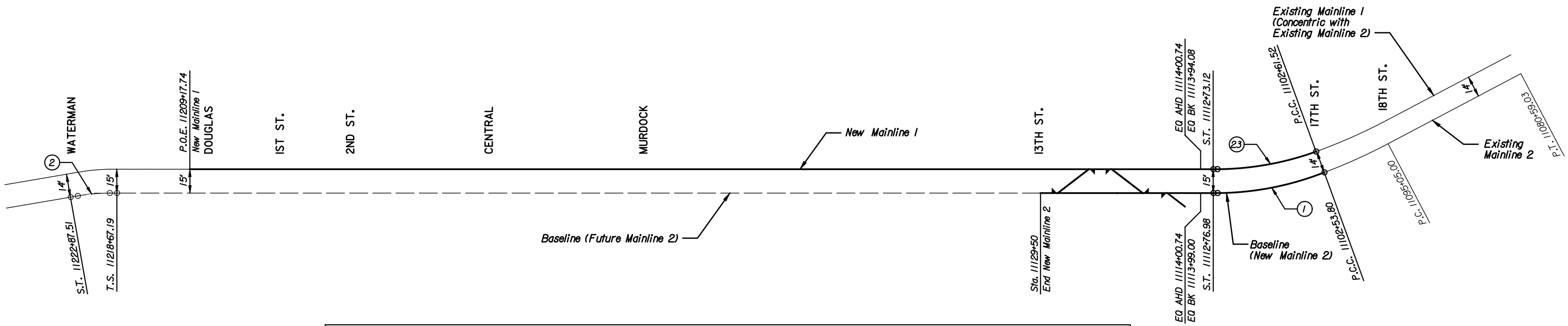
STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	472-84071	2005	R2.2	

PHASE 2 GEOMETRY



BASELINE GEOMETRY

CURVE NUMBER	STATION	NORTHING	EASTING	TANGENT BEARING	DELTA	LENGTH (FT.)	TANGENT (FT.)	RADIUS (FT.)	DEGREE OF CURVE	Ls	Ts	S.E.	DESIGN SPEED (MPH)
SEE NOTE 1	**Existing Mainline 2**												
	P.T. 11080+59.030	1,698,454.618	1,649,639.267	S28°52'18.5"E									
	* P.C. 11095+05.004	1,697,188.375	1,650,337.458			1,445.974							
	* P.C. 11095+05.004	1,697,188.375	1,650,337.458	S28°52'18.5"E									
	P.I. 11098+79.995	1,696,859.995	1,650,518.523		7°51'14.6" RT.	748.797	374.991	5,462.598	1°02'56.0"				
	P.C.C. 11102+53.801	1,696,509.952	1,650,653.017	S21°01'04.0"E									
	Baseline (New Mainline 2)												
	P.C.C. 11102+53.801	1,696,509.952	1,650,653.017	S21°07'57.9"E							506.874		
1	P.I. 11107+60.675	1,696,037.167	1,650,835.760		20°03'49.2" RT.	383.184	496.500	2,864.934	2°00'00.0"			¾"	40
	C.S. 11112+36.985	1,695,550.507	1,650,844.749							40.000	526.743		
	S.T. 11112+76.985	1,695,510.516	1,650,845.588	S1°04'08.8"E									
	S.T. 11112+76.985	1,695,510.516	1,650,845.588	S1°04'08.8"E									
	EQ BK 11113+99.00	1,695,388.518	1,650,847.865										
	EQ AHD 11114+00.74	1,695,388.518	1,650,847.865										
	Sta. 11129+50.000	1,693,839.528	1,650,876.772			1,671.279							
	End of New Mainline 2 Built in Phase 2, Remainder To Be Built in Phase 4												
	Sta. 11129+50.000	1,693,839.528	1,650,876.772	S1°04'08.8"E									
	T.S. 11218+67.193	1,684,923.888	1,651,043.152			8,917.193							
	T.S. 11218+67.193	1,684,923.888	1,651,043.152	S1°04'08.8"E									
	S.C. 11219+37.193	1,684,853.909	1,651,044.866										
2	P.I. 11220+77.824	1,684,713.293	1,651,047.082		10°02'31.8" LT.	280.316	140.403	1,998.898	2°52'00.0"	70.000	210.631	1½"	40
	C.S. 11222+17.508	1,684,575.375	1,651,074.585										
	S.T. 11222+87.508	1,684,506.611	1,651,087.674	S11°06'40.6"E									
	New Mainline 1												
	P.C.C. 11102+61.515	1,696,497.810	1,650,642.192	S20°54'04.14"E							500.905		
23	P.I. 11107+62.420	1,696,029.865	1,650,820.894		19°49'55.4" RT.	971.603	490.537	2,864.934	2°00'00.0"			¾"	40
	C.S. 11112+33.118	1,695,549.175	1,650,829.771							40.000	520.772		
	S.T. 11112+73.118	1,695,509.184	1,650,830.610	S1°04'08.8"E									
	S.T. 11112+73.118	1,695,509.184	1,650,830.610	S1°04'08.8"E									
	EQ BK 11113+94.084	1,695,388.238	1,650,832.867										
	EQ AHD 11114+00.740	1,695,388.238	1,650,832.867										
	P.O.E. 11209+17.741	1,685,872.894	1,651,010.439			9,637.968							

* BNSF Record 1948 = P.C. 11095+06.6

Note: P.S. equals Point of Switch

NOTES:

1. Differences in horizontal control between BNSF Record Data and Surfacing Plans and the new survey could result in field adjustments at locations where new construction is to match existing alignment.

DATE	BY

NO.	DATE	REVISIONS	BY	APP'D
3				
2				
1				

This sheet designed by:

HNTB
ARCHITECTS ENGINEERS PLANNERS

CITY OF WICHITA

WICHITA CENTRAL CORRIDOR
PHASE 2 - TRACK WORK
GEOMETRIC LAYOUT (SCHEMATIC)
AND BASELINE GEOMETRY

SHEET NO.	OF	SCALE		APP'D	
DESIGNED	REP	DETAILED	JDG	QUANTITIES	TRACED
DESIGN CK.	RSB	DETAIL CK.	REP	QUAN.CK.	TRACE CK.

Plotted on: Tuesday, January 04, 2005 8:09:13 AM
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Plot Scale: 500.000000:1.000000 Pen Table: m:\jobs\29049\TechProd\Railroad\plots\fullsize.pen
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