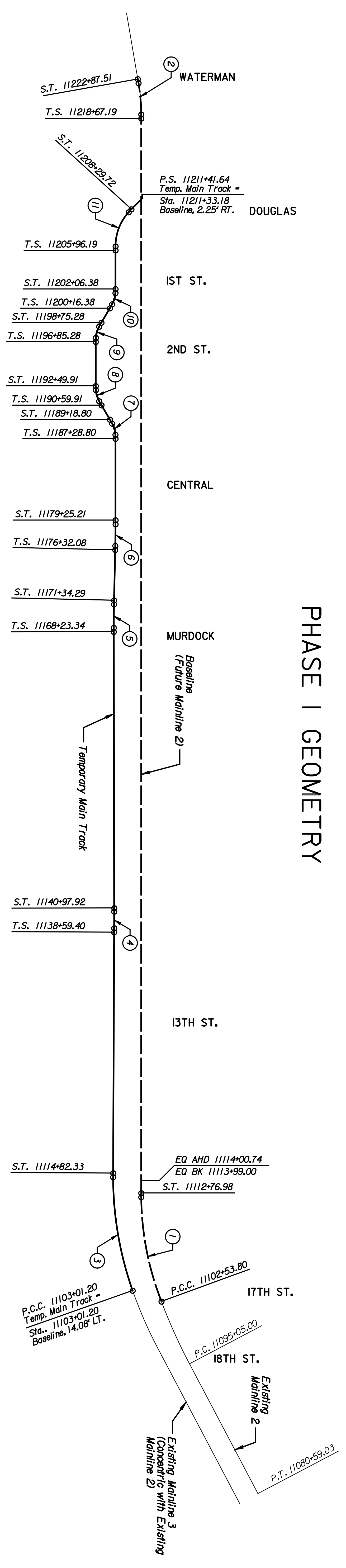


BY	DATE

# PHASE 1 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 2	<b>Existing Mainline 2</b>												
	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									
①	<b>Baseline (Future Mainline 2)</b>												
	P.C.C. 11102+53.801	1,696,509.952	1,650,653.017	S21°07'57.9"E							506.874		
	P.L. 11107+60.675	1,696,037.167	1,650,835.760		20°03'49.2" RT.	383.184	496.500	2,864.934	20°00.0'	40.000	526.743	3/4"	40
	C.S. 11112+36.985	1,695,550.507	1,650,844.749										
	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 11114+00.74	1,695,388.518	1,650,847.865										
	EQ AHD 11114+00.74	1,695,388.518	1,650,847.865										
	T.S. 11218+67.193	1,684,923.888	1,651,043.152			10,588.472							
	T.S. 11218+67.193	1,684,923.888	1,651,043.152	S1°04'08.8"E									
②	<b>Baseline (Future Mainline 2)</b>												
	S.C. 11219+37.193	1,684,853.909	1,651,044.866										
	P.L. 11220+77.824	1,684,713.293	1,651,047.082		10°23'1.8" LT.	280.316	140.403	1,998.898	25°2'00.0'	70.000	210.631	1 1/2"	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	S1°06'40.6"E										

Note: P.S. equals Point of Switch

\* BMSF Record 1948 - P.C. 11095+06.6

- NOTES:**
- For Temporary Main Track alignment data, see Baseline Geometry Sheet No. R1.4.
  - Differences in horizontal control between BMSF Record Data and Surfacing Plans and the new survey could result in field adjustments of locations where new construction is to match existing alignment.

**CH2M HILL**  
 ARCHITECTS ENGINEERS PLANNERS

This sheet designed by:

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	472-84071	2005	R12	

**CITY OF WICHITA**  
**WICHITA CENTRAL CORRIDOR**  
 PHASE 1 - TRACK WORK  
 GEOMETRIC LAYOUT (SCHEMATIC) AND  
 BASELINE GEOMETRY - SHEET 1 OF 3

SHEET NO.	OF	SCALE	APP'D.	TRACED
DESIGNED BY	REP	DETAILED	JDS	TRACED
DESIGN CR.	RSB	DETAIL CR.	REP	TRACED CR.

NO.	DATE	REVISIONS	BY	APP'D.
1				
2				
3				