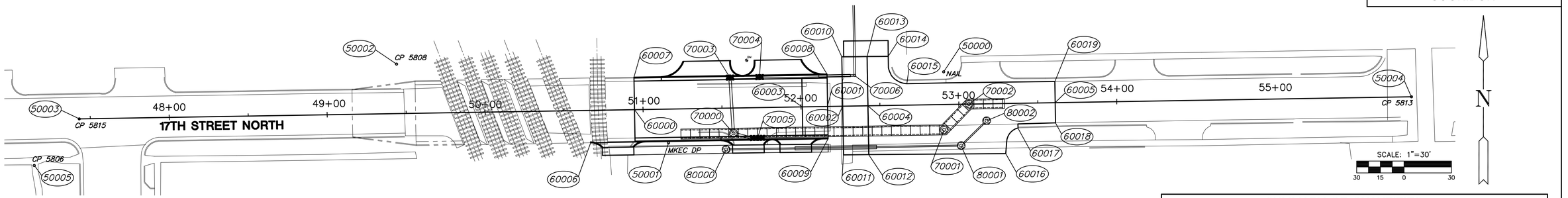
UTILITY IMPROVEMENTS
17TH STREET AT BSNF RAIL COORIDOR



BENCH MARKS

B.M. #4 1305.66 "□" CUT ON TOP OF CURB AT N.W. END OF S.W. CORNER RETURN OF MOSLEY AND 17TH. STREET NORTH.

B.M. #5 1309.32 "□" CUT ON TOP OF CURB AT N.E. END OF S.E. CORNER RETURN OF EMPORIA AND 17TH. STREET NORTH.

HORIZONTAL CONTROL POINTS

POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	DESC
50000			1696508.5871	1650954.4055	Nail
50001	51+15.84	21.44' Rt.	1696463.5482	1650780.1933	MKEC DP
50002	49+44.46	31.34' Lt.	1696513.4900	1650607.9700	CP 5808
50003	47+43.06	0.00' Lt.	1696478.8047	1650407.1138	CP 5815
50004	47+14.06	29.07' Rt.	1696492.7796	1651250.5300	CP5813
50005		0.00' Lt.	1696449.2571	1650378.6027	CP 5806

PAVING CONTROL POINTS

POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	DESC
60000	50+94.65	0.00' Lt.	1696484.6295	1650758.6555	Begin Paving
60001	52+16.83	0.00' Lt.	1696486.6537	1650880.8206	Begin Excep
60002	52+26.43	0.00' Lt.	1696486.8128	1650890.4193	End Excep
60003	52+00.83	0.00' Lt.	1696486.3887	1650864.8228	Begin Approach
60004	52+42.43	0.00' Lt.	1696487.0779	1650906.4179	End Approach
60005	53+61.00	0.00' Lt.	1696489.0422	1651024.9690	End Project
60006	50+66.49	20.50' Rt.	1696463.7114	1650730.8404	Back Curb
60007	50+94.65	20.50' Lt.	1696505.1723	1650758.3152	Back Curb
60008	52+16.83	20.50' Lt.	1696507.1965	1650880.4803	Back Curb
60009	52+16.83	20.50' Rt.	1696466.2021	1650881.1595	Back Curb
60010	52+26.43	31.26' Lt.	1696518.0718	1650889.9014	End Conc
60011	52+26.43	30.86' Rt.	1696455.9542	1650890.9306	End Conc
60012	52+42.43	30.86' Rt.	1696456.2193	1650906.9284	End Conc
60013	52+42.43	31.26 Lt.	1696518.2202	1650905.9027	End Conc
60014	52+55.76	31.02' Lt.	1696518.3161	1650919.2275	High Edge
60015	52+67.32	13.56' Lt.	1696501.0525	1650931.0809	High Edge
60016	53+29.15	31.73' Rt.	1696456.7862	1650993.6453	Back Curb
60017	53+37.19	15.61' Rt.	1696473.0366	1651001.4201	Back Curb
60018	53+61.00	12.78' Rt.	1696476.2685	1651025.1806	High Edge
60019	53+61.00	13.38' Lt.	1696502.4243	1651024.7473	High Edge

STORM SEWER CONTROL POINTS

POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	DESC
70000	51+56.99	16.00' Rt.	1696469.6647	1650821.2558	Stack Manhole
70001	52+90.42	16.00' Rt.	1696471.8752	1650954.6646	Stack Manhole
70002	53+06.42	0.00' Lt.	1696488.1380	1650970.3972	Stack Manhole
70003	51+55.42	19.25' Lt.	1696504.9291	1650819.0926	Single Gutter Inlet
70004	51+74.15	19.25' Lt.	1696505.2395	1650837.8250	Single Gutter Inlet
70005	51+72.23	19.25' Rt.	1696466.7131	1650836.5465	Double Gutter Inlet
70006	52+34.43	19.25' Lt.	1696506.2382	1650898.0986	Drain Basin

SANITARY SEWER CONTROL POINTS

POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	DESC
80000	51+52.17	26.17' Rt.	1696459.4201	1650816.5997	Manhole
80001	53+01.02	26.17' Rt.	1696461.8861	1650965.4285	Manhole
80002	53+17.40	10.70' Rt.	1696477.6216	1650981.5476	Manhole

DRIVEWAY QUANTITIES

STATION	SIDE	TYPE	CONC. PVMT. (8")(REINF.) SQ. FT.	"P" L.F.	WIDTH F.T.

SUMMARY OF QUANTITIES

BID ITEMS	QUANTITY	UNIT
PAVEMENT CONSTRUCTION		
Pavement Removal	1,200	SY
8" Concrete Pavement (NRDJ)	425	SY
12" Concrete Railroad Approach	174	SY
Concrete Railroad Approach Footing	58	CY
8" Concrete Pavement (Driveways)	133	SY
7" Bituminous Pavement (Temporary)	561	SY
7" Reinforced Crushed Rock Base	664	SY
8" Reinforced Crushed Rock Base	561	SY
Combined Curb & Gutter (Type I and II)	244	LF
4" Sidewalk Concrete	415	SF
Manhole Adjust	1	EA
Pavement Marking	LS	LS
STORM SEWER CONSTRUCTION		
5' x 3' RCB	188	LF
5' x 3' RCB (AREMA Specification)	24	LF
Sand Backfill, Flushed and Vibrated	181	LF
Flowable Fill	51	LF
Sheet Pile Shoring	1,122	SF
18" RCP	58	LF
Driveway Grated Inlet, Single	2	EA
Driveway Grated Inlet, Double	1	EA
Manhole Stack	3	EA
12" Plastic Pipe (Temporary)	358	LF
Nyoplast Drain Basin	1	EA
18" Steel Casing	20	LF
MISCELLANEOUS CONSTRUCTION		
Mobilization	LS	LS
Contractor Construction Staking	LS	LS
Site Restoration	LS	LS
Erosion Control BMP	LS	LS
Traffic Control	LS	LS
SANITARY SEWER RELOCATION		
8" Sanitary Sewer	164	LF
Manhole, Type P	3	EA
Flowable Fill	162	LF
18" Steel Casing	52	LF
Manhole Removal	1	EA
Abandon/Remove Sanitary Sewer	LS	LS
WATER LINE RELOCATION		
18" Steel Casing	52	LF

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WICHITA, KS. 67206
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UTILITY IMPROVEMENTS
17TH STREET AT BSNF RAIL COORIDOR
PROJECT NAME

CONTROL POINTS AND SUMMARY OF QUANTITIES
SHEET TITLE

JRA	DPG	JRA
DESIGN BY:	DRAWN BY:	CHECKED BY:
SEPTEMBER 2007	04177	28 / 28
DATE	JOB NO.	SHEET/OF