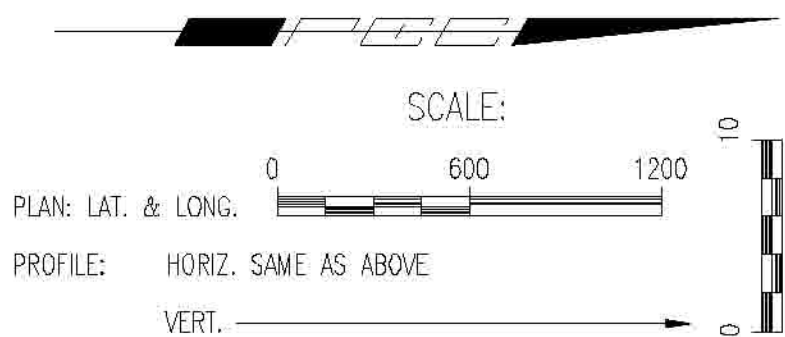
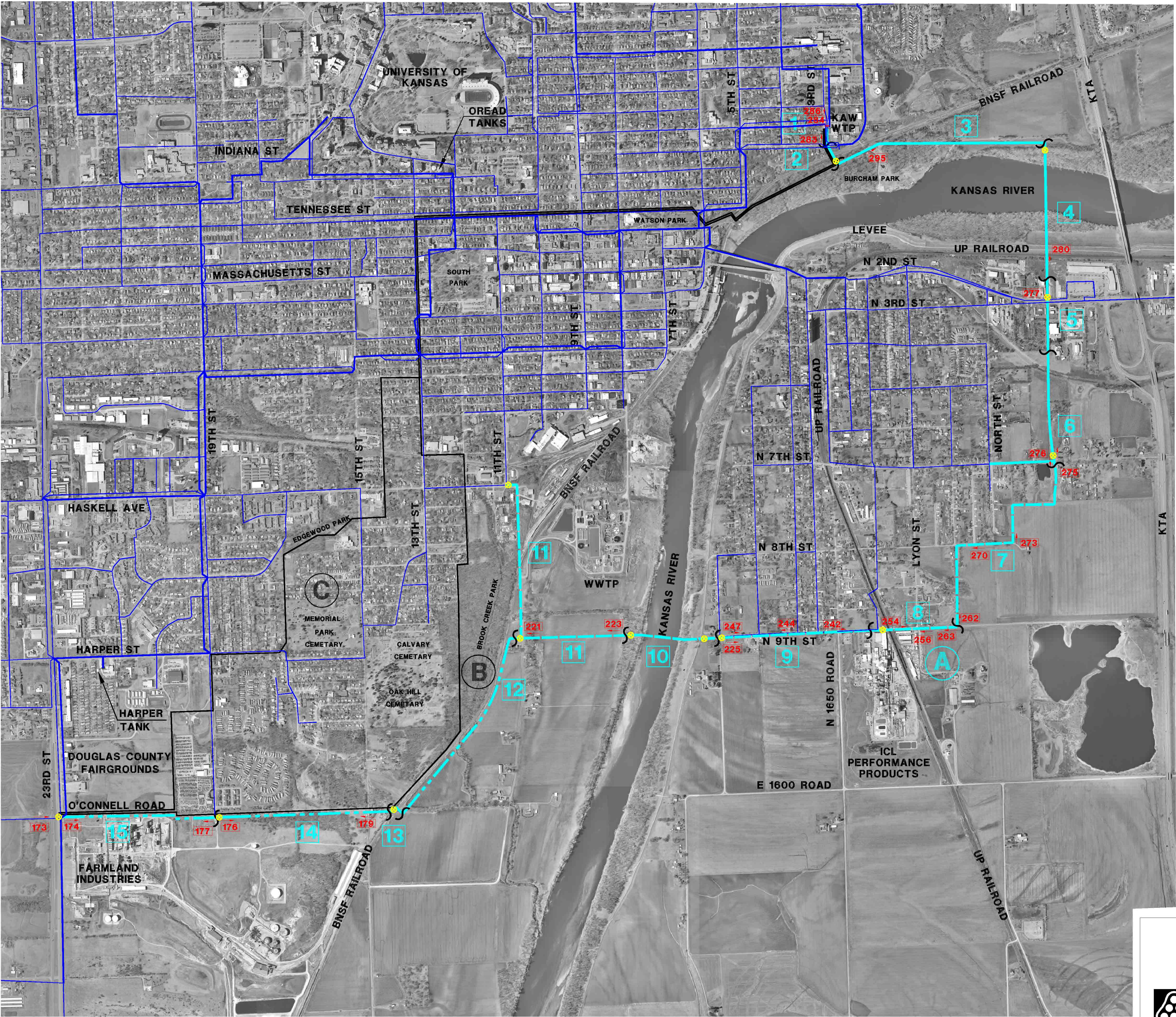




SEGMENT ID	LENGTH	SIZE	DESCRIPTION	CONST. COST
A1	250'	36"	KAW WTP exit & 3rd Street	\$151,850.00
A2	400'	36"	BNSF RR Crossing by boring @ KAW WTP	\$277,500.00
A3	3,750'	36"	Burcham Park	\$1,087,040.00
A4	2,300'	30"	Kansas River & UP RR Crossing by HDD	\$1,704,600.00
A5	1,200'	36"	N. 2nd Street Commercial Area	\$505,000.00
A6	1,650'	36"	—	\$558,750.00
PHASE I TOTAL	9,550'			\$4,284,740.00
A7	4,480'	36"	—	\$1,234,100.00
A8	1,770'	36"	8th Street & UP RR Crossing by boring	\$559,630.00
A9	2,550'	30"	N 9th Street	\$658,730.00
A10	1,550'	30"	Kansas River Crossing by HDD	\$1,201,050.00
A11	1,840' 2,730'	36" 24"	— Connection to City System	\$935,390.00
PHASE II TOTAL	14,920'			\$4,588,900.00
A12	3,570'	30"	Parallel to BNSF RR	\$319,700.00
A13	200'	30"	BNSF RR Crossing by boring	\$152,700.00
A14	2,800'	30"	Open area of Farmland Industries	\$646,740.00
A15	2,800'	30"	O'Connell RD	\$638,600.00
PHASE III TOTAL	9,370'			\$2,257,740.00
ROUTE A TOTAL	33,840'			\$11,131,380.00

LEGEND

- PHASE I (1-6)
- PHASE II (7-11)
- PHASE III (12-15)
- VALVE & CONNECTION
- ID NO.
- SEGMENT SEPARATOR
- EXISTING DISTRIBUTION SYSTEM (≤ 14)
- EXISTING DISTRIBUTION SYSTEM (≥ 16)
- PHOTO ID NO.

EXHIBIT IV-1

No.	Revision	By	Date
SE WATER TRANSMISSION MAIN			
ROUTE A			
ALIGNMENT & DETAILS			
Professional Engineering Consultants, P.A.			
1263 S.W. TOPEKA BLVD. • TOPEKA, KANSAS 66612			
785-233-8300 • FAX 785-233-8855			
Designed by	AMD	Job No.	06A01
Drawn by	CT	Date	DEC. 2006
		Shl.	1 of 1