

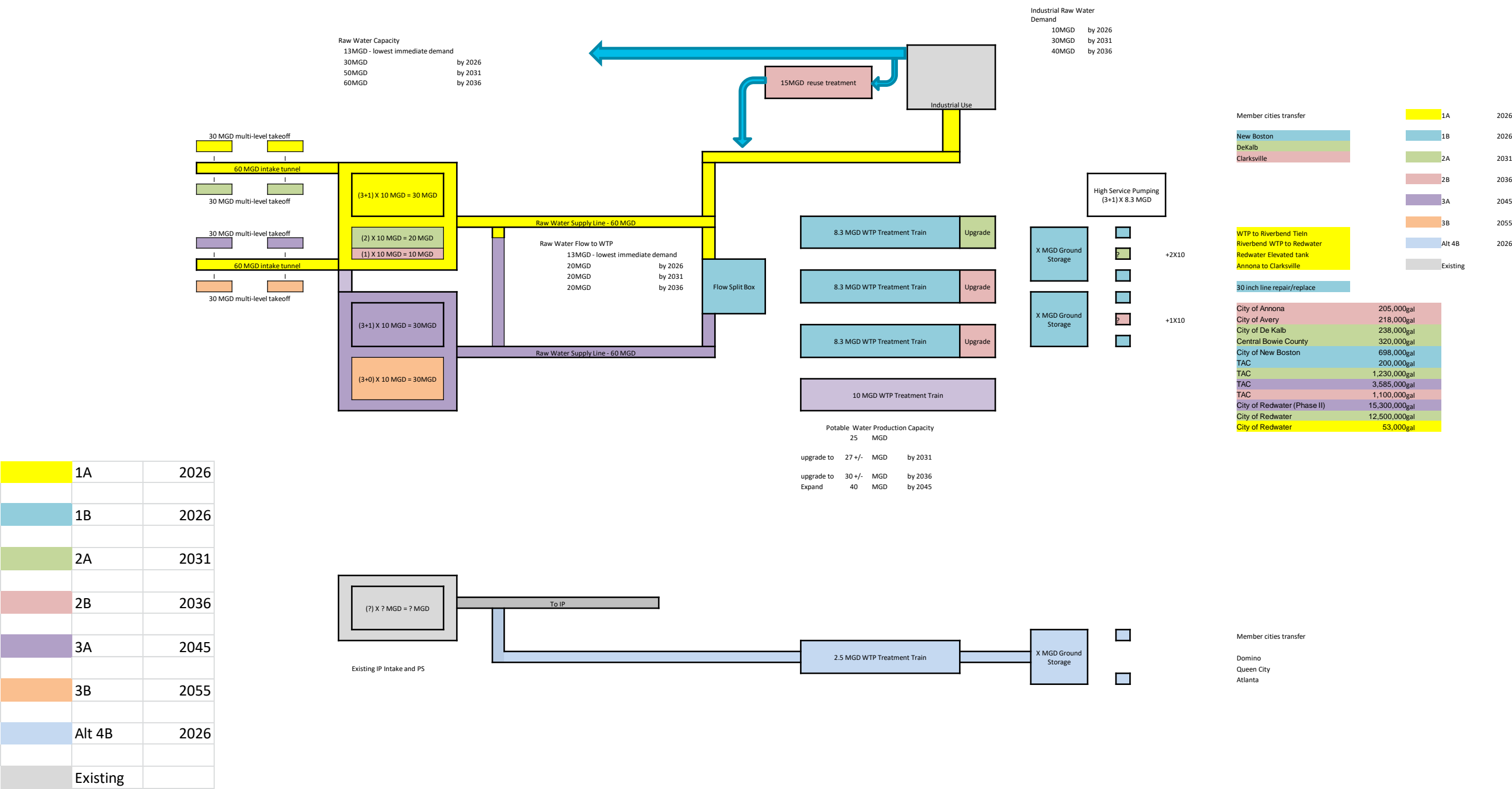


Class III Estimate for Regional Consolidation

Riverbend Water Resource District

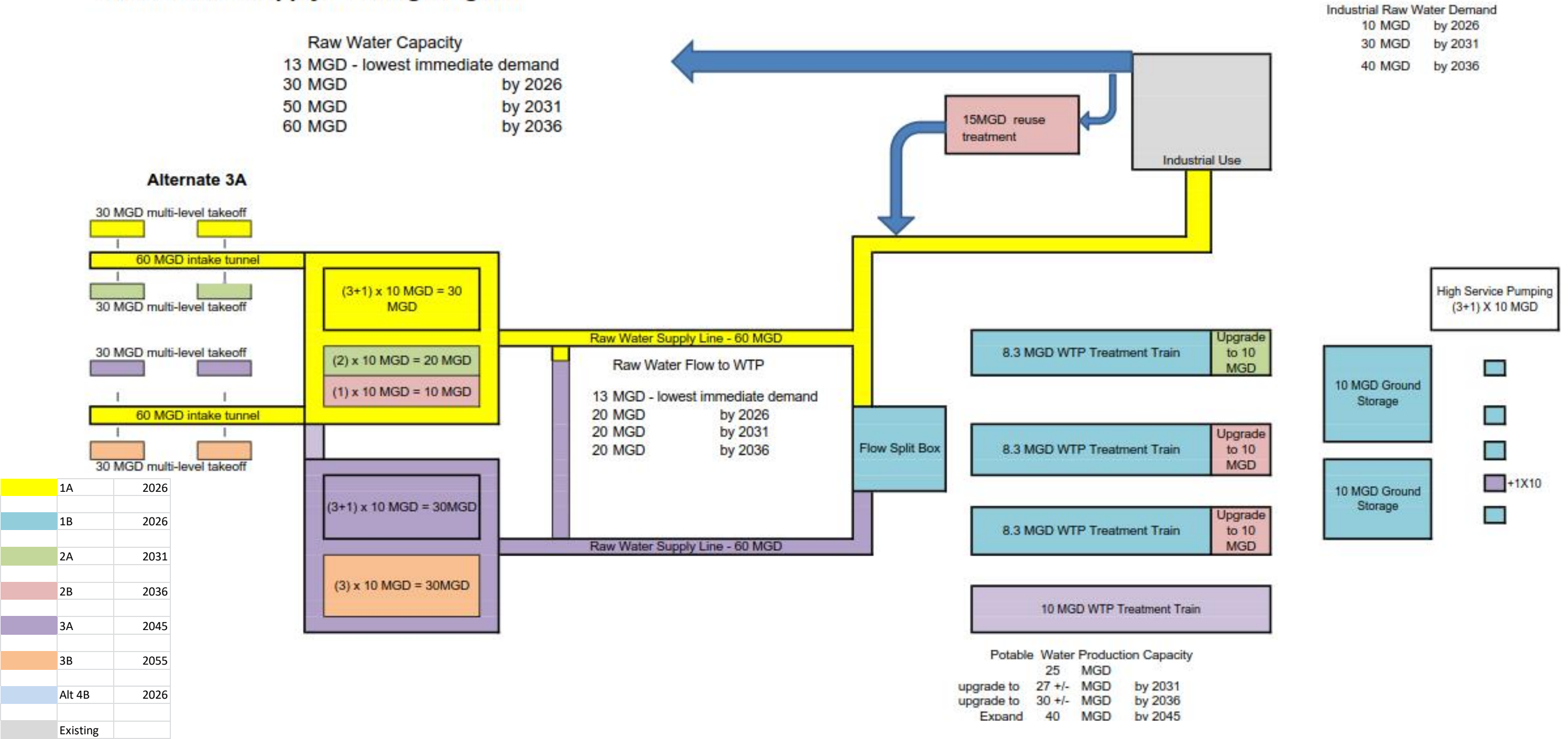


Phasing Diagram

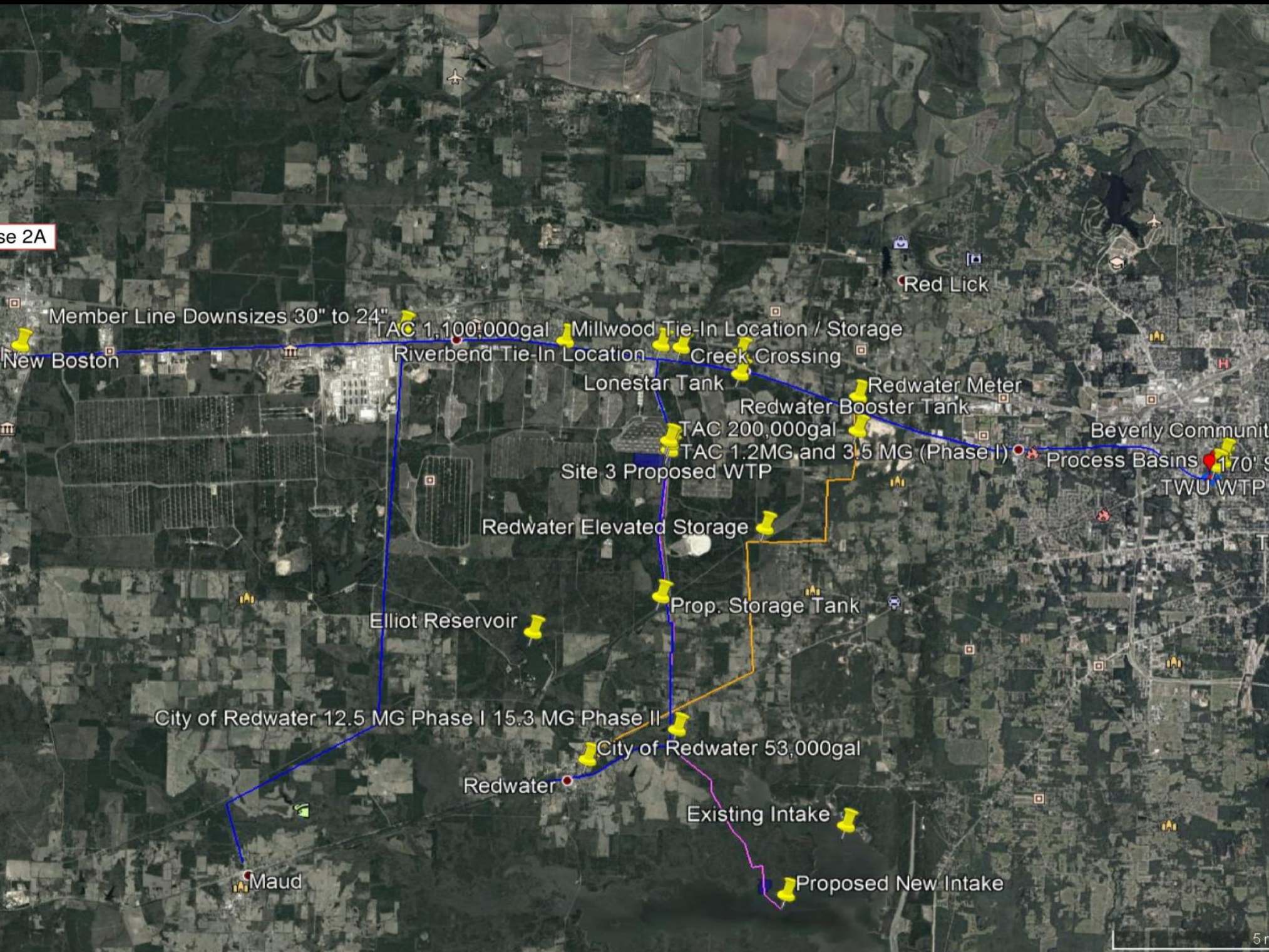


Phasing Diagram

RWRD Water Supply Phasing Diagram



Phase 1A and 1B



- Phase 1A and 1B (of modified alternative 3):
 - Raw water backbone to 60MGD
 - Raw water capacity at 30 MGD (10 MGD industrial/20 MGD water production)
 - 25 MGD water production capacity
 - Distribution – TAC and New Boston

Opinion of Probable Construction Cost, O&M Cost and Annual Expense

Phase 1A&1B combined

Phase 1A	Subtotal	20% Contingency	Const. Subtotal	Engrg, Feas, Legal, Finance, Bond Counsel (20% Constr.)	Power Connection (capital)	Land Acquisition and Survey	Interest During Construction	Total Capital Cost
Access Roadway	\$ 667,000	\$ 133,000	\$ 800,000					
Intake	\$ 23,426,000	\$ 4,686,000	\$ 28,111,000					
Pump Station	\$ 8,267,000	\$ 1,654,000	\$ 9,920,000					
Raw Water Line	\$ 27,743,000	\$ 5,549,000	\$ 33,291,000					
		Raw Water System	72,122,000	\$ 14,425,000				
Distribution	\$ 10,858,000	\$ 2,172,000	\$ 13,030,000	\$ 2,606,000				
Phase 1A			\$ 85,152,000	\$ 17,031,000	\$ 1,095,000	\$ 402,000	\$ 22,514,000	\$ 126,194,000
Phase 1B								
WTP (25 MGD)	\$ 43,452,000	\$ 8,691,000	\$ 52,142,000					
		Water Treatment	\$ 52,142,000	\$ 10,429,000				
Distribution	\$ 43,384,000	\$ 8,677,000	\$ 52,060,000	\$ 10,412,000				
Phase 1B			\$ 104,202,000	\$ 20,841,000	\$ -	\$ -	\$ -	\$ 125,043,000

RBWD - New 25MGD WTP	Initial State	This is raw water pump station and water treatment plant combined
Power	\$2,684,153	
Chemicals	\$1,315,972	
Labor	\$1,695,832	
Sludge Disposal	\$288,756	
TOTAL ANNUAL COST	\$5,985,000	

DRAFT COSTS

- Phase 1A and 1B (of modified alternative 3):
 - Raw water backbone to 60MGD
 - Raw water capacity at 30 MGD (10 MGD industrial/20 MGD water production)
 - 25 MGD water production capacity
 - Distribution – TAC and New Boston

Opinion of Probable Construction Cost, O&M Cost and Annual Expense Phase 4B

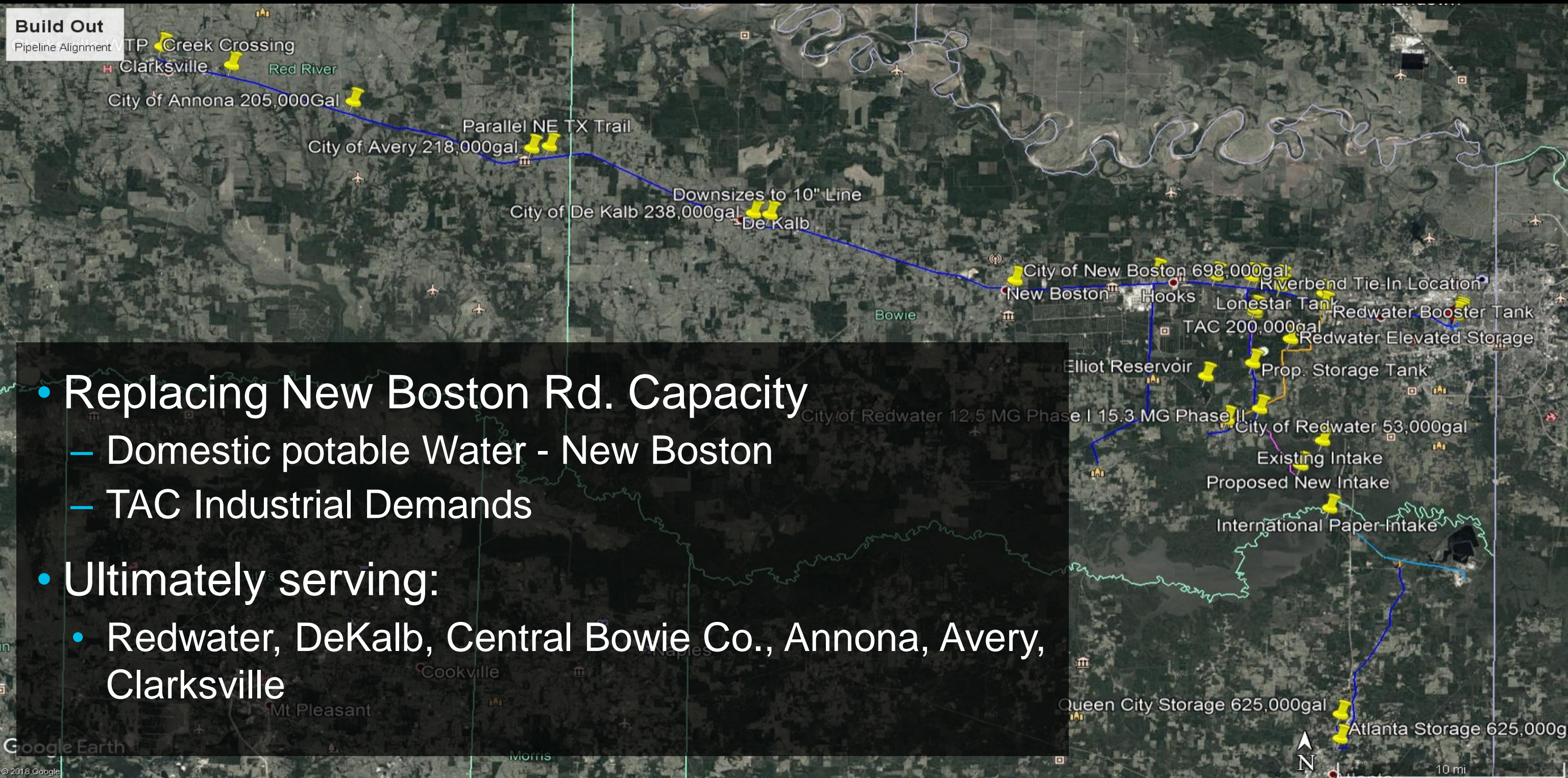
Subtotal		20% Contingency		Const. Subtotal	Engrg, Feas, Legal, Finance, Bond Counsel (20% Constr.)	Power Connection (capital)	Land Acquisition and Survey	Interest During Construction	Total Capital Cost						
Phase 4B															
Raw Water Pipeline	\$	1,710,000	\$	342,000	\$	2,052,000									
WTP (2.5 MGD)	\$	8,740,000	\$	1,748,000	\$	10,488,000									
		Raw Water and Trt System		\$	12,540,000										
Distribution	\$	11,069,000	\$	2,214,000	\$	13,283,000									
				\$	25,823,000	\$	5,165,000	\$	108,000	\$	35,000	\$	3,084,000	\$	34,215,000
Construction Subtotal	\$	304,650,000	\$	60,930,000	\$	365,580,000									

RBWD - New 2.5MGD WTP	Initial State	This is Cass Co water treatment plant Operating and Maintenance Cost (rounded)
Power	\$260,682	
Chemicals	\$131,597	
Labor	\$698,368	
Sludge Disposal	\$29,326	
TOTAL ANNUAL COST	\$1,120,000	

DRAFT COSTS

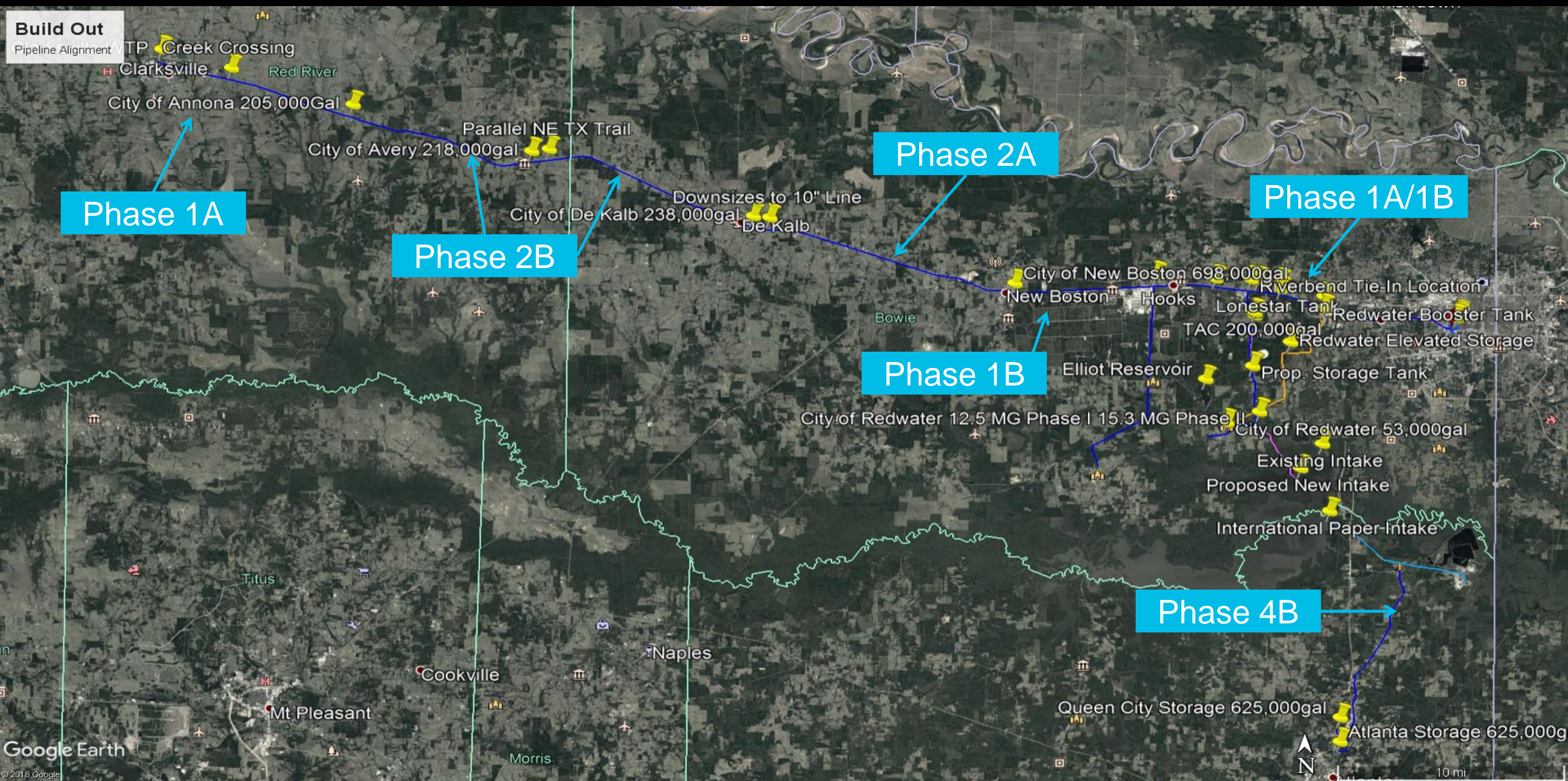
- Phase 4B –Potable Water supply 2.5 MGD water production capacity
- Raw water sidestream off IP raw water pump station
 - Pre-chlorination by IP
- Distribution – serving Atlanta, Domino, and Queen City

Buildout



- Replacing New Boston Rd. Capacity
 - Domestic potable Water - New Boston
 - TAC Industrial Demands
- Ultimately serving:
 - Redwater, DeKalb, Central Bowie Co., Annona, Avery, Clarksville

Buildout



Opinion of Probable Construction Cost - All Phases

Construction Cost \$124.3M, without distribution		Const. Subtotal (Contingency)	Total Capital Cost
Phase 1A	\$	85,152,000	\$ 126,194,000
Phase 1B	\$	104,202,000	\$ 125,043,000
Phase 2A	\$	40,136,000	\$ 53,130,000
Phase 2B	\$	37,702,000	\$ 49,831,000
Phase 3A	\$	70,325,000	\$ 92,904,000
Phase 3B	\$	3,048,000	\$ 4,022,000
Phase 4B	\$	25,823,000	\$ 34,215,000
Construction Subtotal		365,580,000	\$ 485,339,000

- Raw Water System supply to 120 MGD
- Potable water production to 40 MGD
- Cass County potable water production to 2.5 MGD
- Industrial Reuse for 15 MGD
- Potable water distribution for region

Total Capital Costs include: Engineering, Feasibility Studies, Finance, Legal and Bond Counsel. As well, these estimated costs include Power Connection, Land Acquisition and Survey, and interest during construction.

DRAFT COSTS

Capital Cost – O&M Cost – Debt Service

	Const. Subtotal (w/Contingency)	Total Capital Cost
Phase 1A	\$ 85,152,000	\$ 126,194,000
Phase 1B	\$ 104,202,000	\$ 125,043,000
Phase 2A	\$ 40,136,000	\$ 53,130,000
Phase 2B	\$ 37,702,000	\$ 49,831,000
Phase 3A	\$ 70,325,000	\$ 92,904,000
Phase 3B	\$ 3,048,000	\$ 4,022,000
Phase 4B	\$ 25,823,000	\$ 34,215,000
Construction Subtotal	\$ 365,580,000	\$ 485,339,000

Operating and Maintenance Costs

RBWD - New 25MGD WTP	Initial State
Power	\$2,684,153
Chemicals	\$1,315,972
Labor	\$1,695,832
Sludge Disposal	\$288,756
TOTAL ANNUAL COST	\$5,984,713

RBWD - New 30MGD WTP	Initial State
Power	\$3,183,036
Chemicals	\$1,573,200
Labor	\$1,695,832
Sludge Disposal	\$345,908
TOTAL ANNUAL COST	\$6,797,976

RBWD - New 40MGD WTP	Initial State
Power	\$3,612,219
Chemicals	\$2,087,656
Labor	\$1,695,832
Sludge Disposal	\$460,960
TOTAL ANNUAL COST	\$7,856,667

RBWD - New 2.5MGD WTP	Initial State
Power	\$260,682
Chemicals	\$131,597
Labor	\$698,368
Sludge Disposal	\$29,326
TOTAL ANNUAL COST	\$1,120,000

Distribution Pumping Operating Cost	
Phase 1A/1B	\$ 110,376
Phase 2A	\$ 257,544
Phase 2B	\$ 404,712
Phase 3A	\$ 478,296
Phase 3B	\$ 478,296
Phase 4B	\$ 36,792

Debt Service (4%, 30 years)	
Phase 1A and 1B	\$ 10,951,000
Phase 2A	\$ 2,321,000
Phase 2B	\$ 2,181,000
Phase 3A	\$ 4,067,000
Phase 3B	\$ 177,000
Phase 4B	\$ 1,494,000
Total Debt Service	\$ 21,191,000

DRAFT COSTS