



strata
NETWORKS

Herriman City

FIBER NETWORK OVERVIEW
Presented by Bart Angus

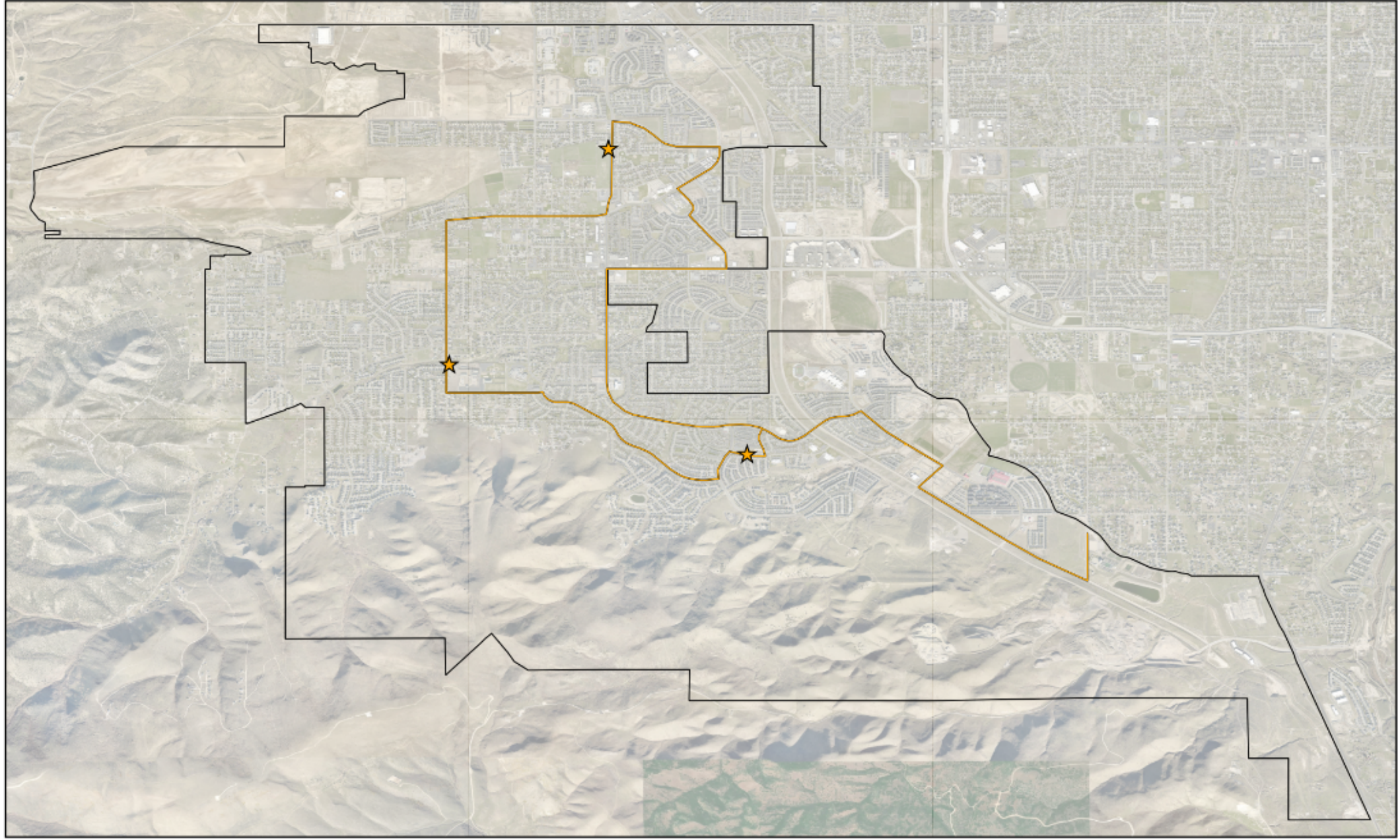
Strata Networks

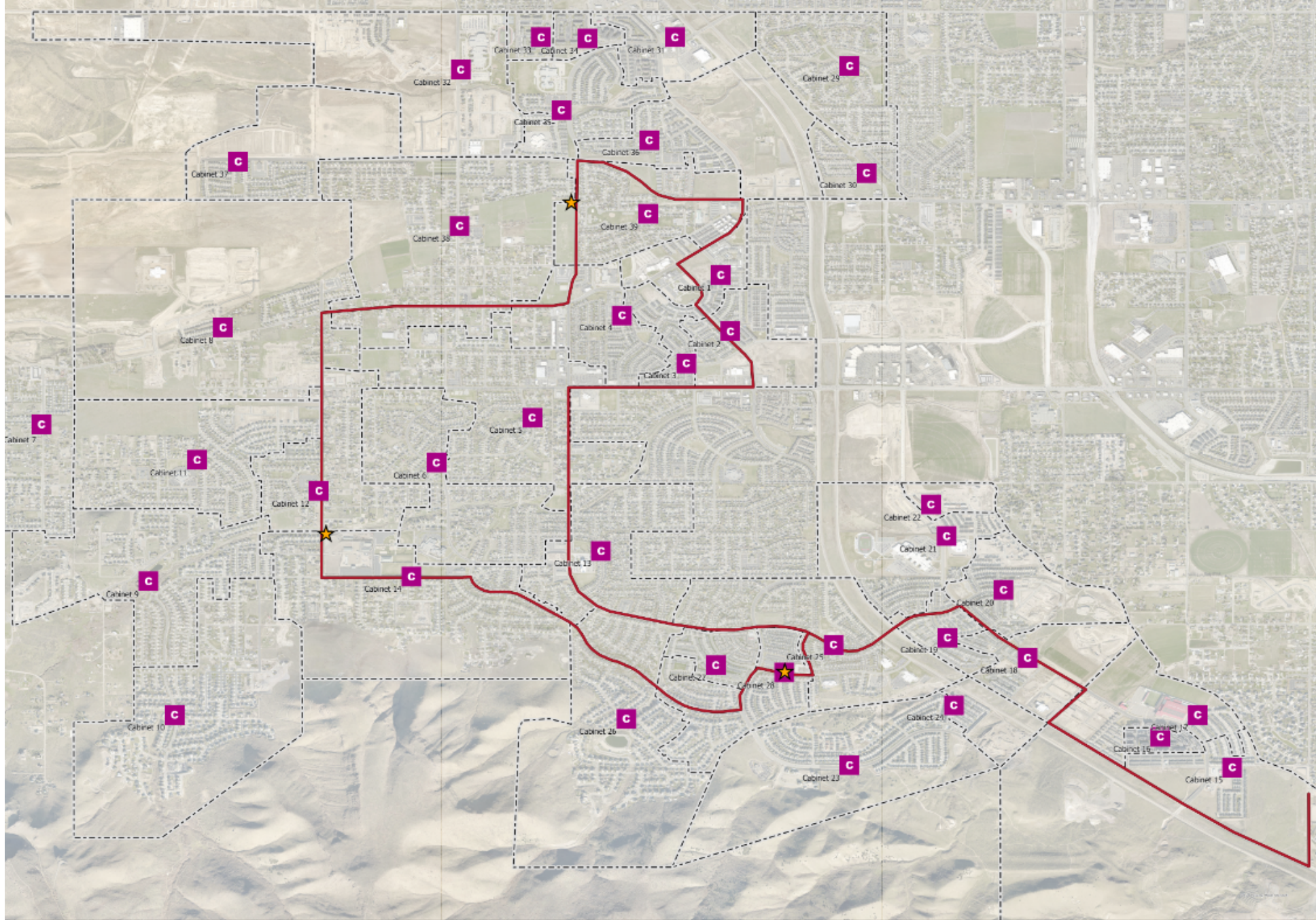
Preliminary Plans & Timelines



HLD CABINET DESIGN

HERRIMAN, UTAH





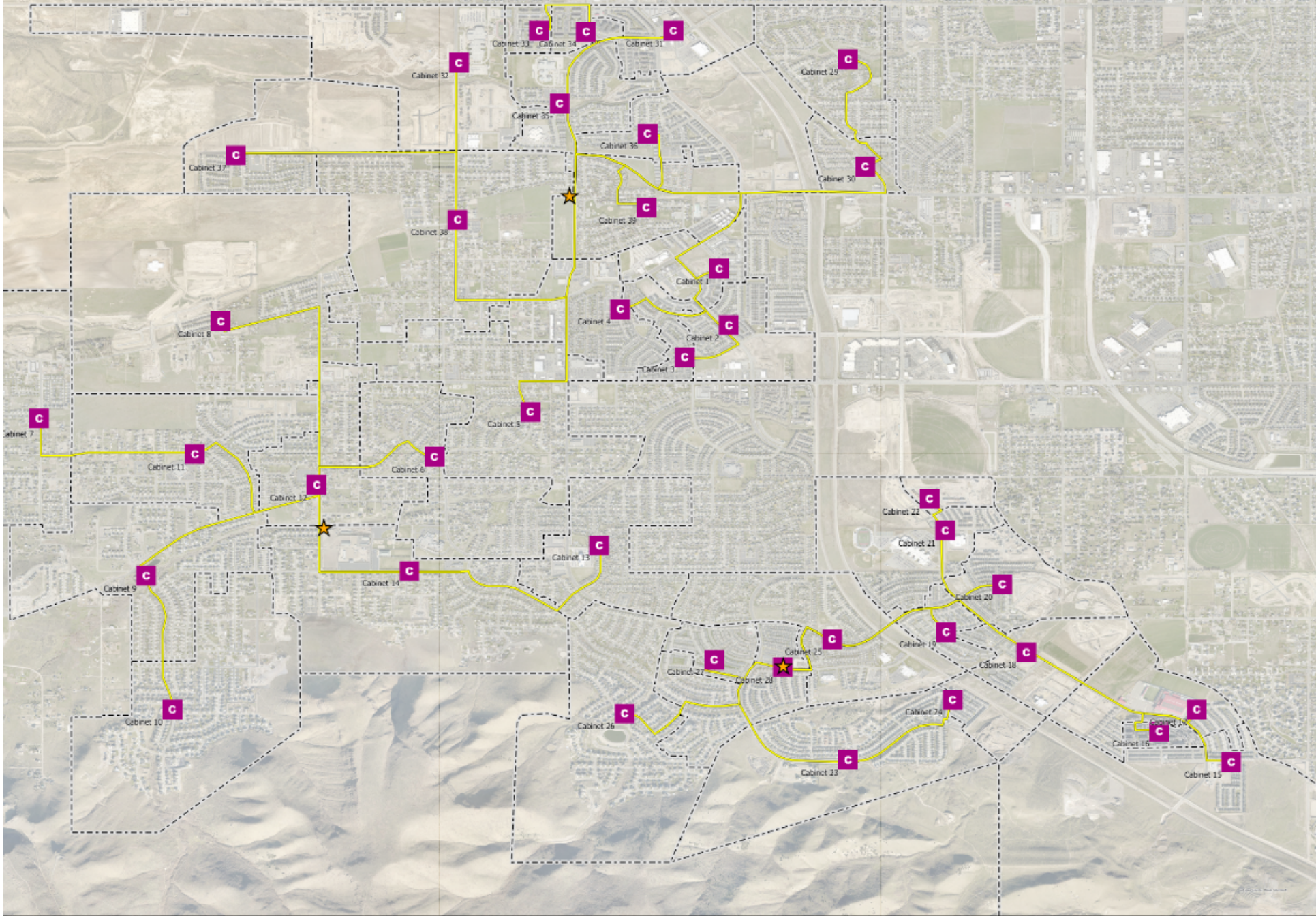
Herriman HLD
Cabinet: BB



Fiber Features

- Cabinet Boundary
- BACKBONE
- ★ Central Office
- C Cabinet





Herriman HLD
Cabinet: FD



Fiber Features

- Cabinet Boundary
- FEEDER
- Cabinet

- Central Office





Herriman HLD
Cabinet: 9



Fiber Features

- Cabinet Boundary
- DISTRIBUTION
- FEEDER
- DROP
- Cabinet
- Splice
- MST TAIL
- Terminal (65)

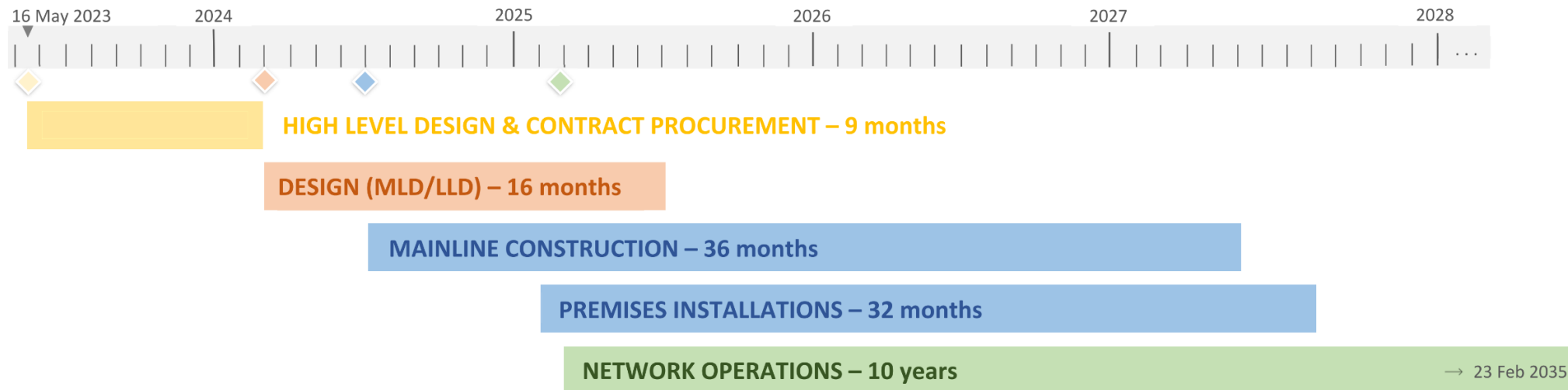
- Residential (539)
- Herriman City (18)



Project Summary Timeline

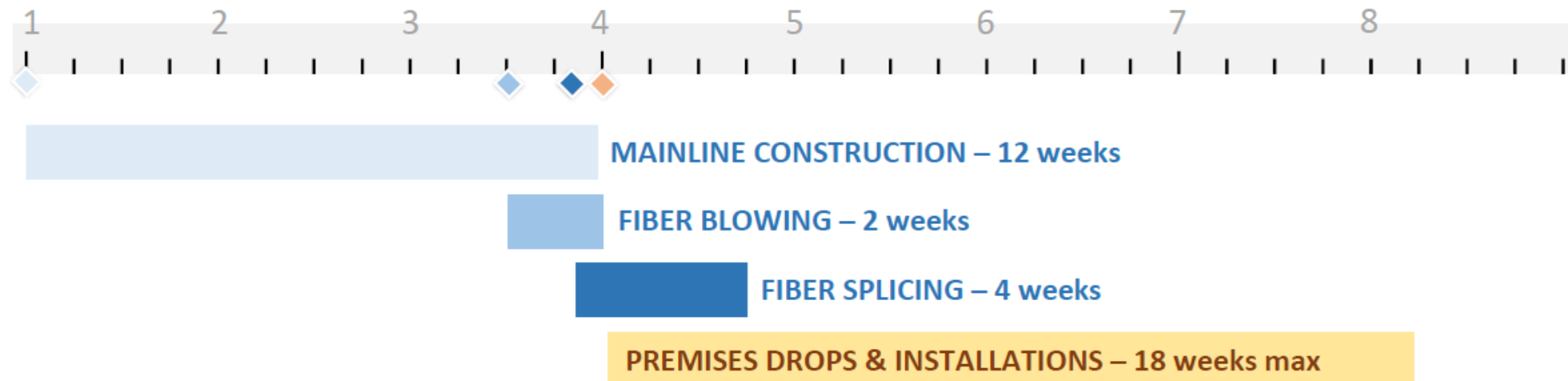
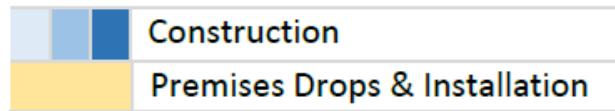
LEGEND

	Current High Level Design Agreement
	Analysis and Contract Procurement
	Future Design & Construction Agreement
	Future Network Operations Agreement



Typical Fiber Distribution Area Build Schedule

LEGEND





Cost Modeling

Herriman Cost Modeling

Microtrenching Construction Option A

CONSTRUCTION METHODOLOGY



ASSUMPTIONS

Utility Fees Residential - \$15 Business - \$30	Opt-Out Percentage 20%	Bond Term & Interest Years - 30 Interest - 5%	Retail Rates & Rate Mix 1 Gbps - \$75 250 Mbps - \$65 50/50 mix of 1 Gbps & 250 Mbps
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Microtrenching Construction Option B

CONSTRUCTION METHODOLOGY



ASSUMPTIONS

Utility Fees Residential - \$15 Business - \$30	Opt-Out Percentage 20%	Bond Term & Interest Years - 30 Interest - 8%	Retail Rates & Rate Mix 1 Gbps - \$75 250 Mbps - \$65 50/50 mix of 1 Gbps & 250 Mbps
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Utility Fiber Infrastructure Model

Estimated Initial Fiber-Optic Network Infrastructure Cost	\$66,893,942.00
Bond Term (Years)	30
Bond Interest Rate	5%
Estimated Monthly Bond Payment for Infrastructure (Year 4)	\$391,126.10
Estimated Monthly Utility Fee Revenue (Year 4)	\$211,180.80
Minimum # of Subscribers for Estimated Monthly Bond Payment	9727
Minimum Take Rate for Estimated Monthly Bond Payment	49%

Utility Fiber Infrastructure Model

Estimated Initial Fiber-Optic Network Infrastructure Cost	\$66,893,942.00
Bond Term (Years)	30
Bond Interest Rate	8%
Estimated Monthly Bond Payment for Infrastructure (Year 4)	\$558,837.57
Estimated Monthly Utility Fee Revenue (Year 4)	\$211,180.80
Minimum # of Subscribers for Estimated Monthly Bond Payment	18,792
Minimum Take Rate for Estimated Monthly Bond Payment	94%

Herriman Cost Modeling

Microtrenching Construction Option A

CONSTRUCTION METHODOLOGY

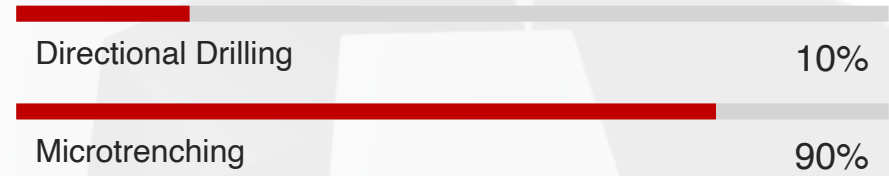


ASSUMPTIONS

Utility Fees Residential - \$15 Business - \$30	Opt-Out Percentage 20%	Bond Term & Interest Years - 30 Interest - 5%	Retail Rates & Rate Mix 1 Gbps - \$80 250 Mbps - \$70 50/50 mix of 1 Gbps & 250 Mbps
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Microtrenching Construction Option B

CONSTRUCTION METHODOLOGY



ASSUMPTIONS

Utility Fees Residential - \$15 Business - \$30	Opt-Out Percentage 20%	Bond Term & Interest Years - 30 Interest - 8%	Retail Rates & Rate Mix 1 Gbps - \$80 250 Mbps - \$70 50/50 mix of 1 Gbps & 250 Mbps
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Utility Fiber Infrastructure Model

Estimated Initial Fiber-Optic Network Infrastructure Cost	\$66,893,942.00
Bond Term (Years)	30
Bond Interest Rate	5%
Estimated Monthly Bond Payment for Infrastructure (Year 4)	\$391,126.10
Estimated Monthly Utility Fee Revenue (Year 4)	\$211,180.80
Minimum # of Subscribers for Estimated Monthly Bond Payment	7657
Minimum Take Rate for Estimated Monthly Bond Payment	38%

Utility Fiber Infrastructure Model

Estimated Initial Fiber-Optic Network Infrastructure Cost	\$66,893,942.00
Bond Term (Years)	30
Bond Interest Rate	8%
Estimated Monthly Bond Payment for Infrastructure (Year 4)	\$558,837.57
Estimated Monthly Utility Fee Revenue (Year 4)	\$211,180.80
Minimum # of Subscribers for Estimated Monthly Bond Payment	14,794
Minimum Take Rate for Estimated Monthly Bond Payment	74%

Herriman Cost Modeling

Buried Construction Option A

CONSTRUCTION METHODOLOGY



ASSUMPTIONS

Utility Fees Residential - \$15 Business - \$30	Opt-Out Percentage 20%	Bond Term & Interest Years - 30 Interest - 5%	Retail Rates & Rate Mix 1 Gbps - \$75 250 Mbps - \$65 50/50 mix of 1 Gbps & 250 Mbps
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Buried Construction Option B

CONSTRUCTION METHODOLOGY



ASSUMPTIONS

Utility Fees Residential - \$15 Business - \$30	Opt-Out Percentage 20%	Bond Term & Interest Years - 30 Interest - 8%	Retail Rates & Rate Mix 1 Gbps - \$75 250 Mbps - \$65 50/50 mix of 1 Gbps & 250 Mbps
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Utility Fiber Infrastructure Model

Estimated Initial Fiber-Optic Network Infrastructure Cost	\$71,288,552.00
Bond Term (Years)	30
Bond Interest Rate	5%
Estimated Monthly Bond Payment for Infrastructure (Year 4)	\$416,821.20
Estimated Monthly Utility Fee Revenue (Year 4)	\$211,180.80
Minimum # of Subscribers for Estimated Monthly Bond Payment	11,116
Minimum Take Rate for Estimated Monthly Bond Payment	56%

Utility Fiber Infrastructure Model

Estimated Initial Fiber-Optic Network Infrastructure Cost	\$71,288,552.00
Bond Term (Years)	30
Bond Interest Rate	8%
Estimated Monthly Bond Payment for Infrastructure (Year 4)	\$595,550.51
Estimated Monthly Utility Fee Revenue (Year 4)	\$211,180.80
Minimum # of Subscribers for Estimated Monthly Bond Payment	20,777
Minimum Take Rate for Estimated Monthly Bond Payment	104%

Herriman Cost Modeling

Buried Construction Option A

CONSTRUCTION METHODOLOGY



ASSUMPTIONS

Utility Fees Residential - \$15 Business - \$30	Opt-Out Percentage 20%	Bond Term & Interest Years - 30 Interest - 5%	Retail Rates & Rate Mix 1 Gbps - \$80 250 Mbps - \$70 50/50 mix of 1 Gbps & 250 Mbps
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Buried Construction Option B

CONSTRUCTION METHODOLOGY



ASSUMPTIONS

Utility Fees Residential - \$15 Business - \$30	Opt-Out Percentage 20%	Bond Term & Interest Years - 30 Interest - 8%	Retail Rates & Rate Mix 1 Gbps - \$80 250 Mbps - \$70 50/50 mix of 1 Gbps & 250 Mbps
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Utility Fiber Infrastructure Model

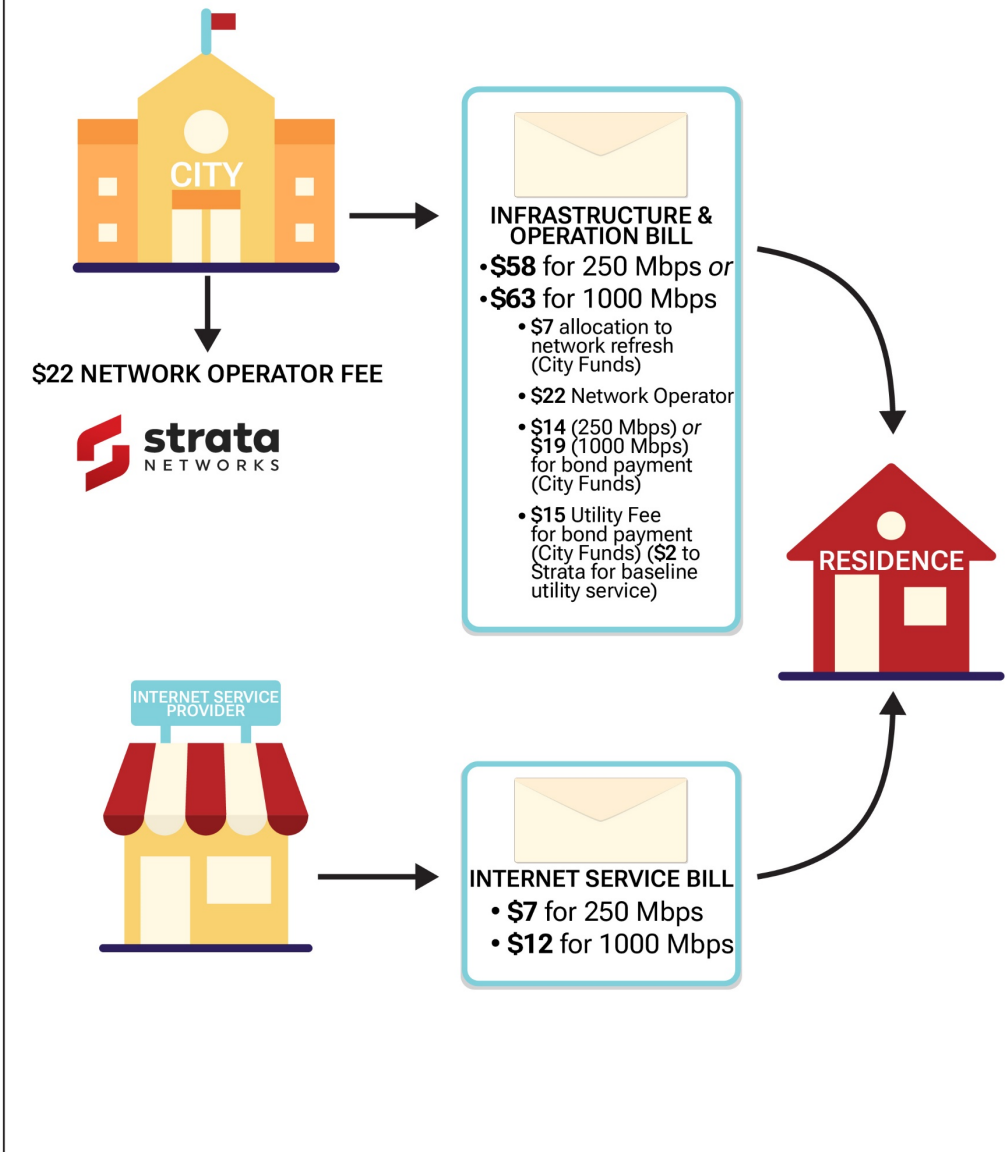
Estimated Initial Fiber-Optic Network Infrastructure Cost	\$71,288,552.00
Bond Term (Years)	30
Bond Interest Rate	5%
Estimated Monthly Bond Payment for Infrastructure (Year 4)	\$416,821.20
Estimated Monthly Utility Fee Revenue (Year 4)	\$211,180.80
Minimum # of Subscribers for Estimated Monthly Bond Payment	8751
Minimum Take Rate for Estimated Monthly Bond Payment	44%

Utility Fiber Infrastructure Model

Estimated Initial Fiber-Optic Network Infrastructure Cost	\$71,288,552.00
Bond Term (Years)	30
Bond Interest Rate	8%
Estimated Monthly Bond Payment for Infrastructure (Year 4)	\$595,550.51
Estimated Monthly Utility Fee Revenue (Year 4)	\$211,180.80
Minimum # of Subscribers for Estimated Monthly Bond Payment	16,356
Minimum Take Rate for Estimated Monthly Bond Payment	82%

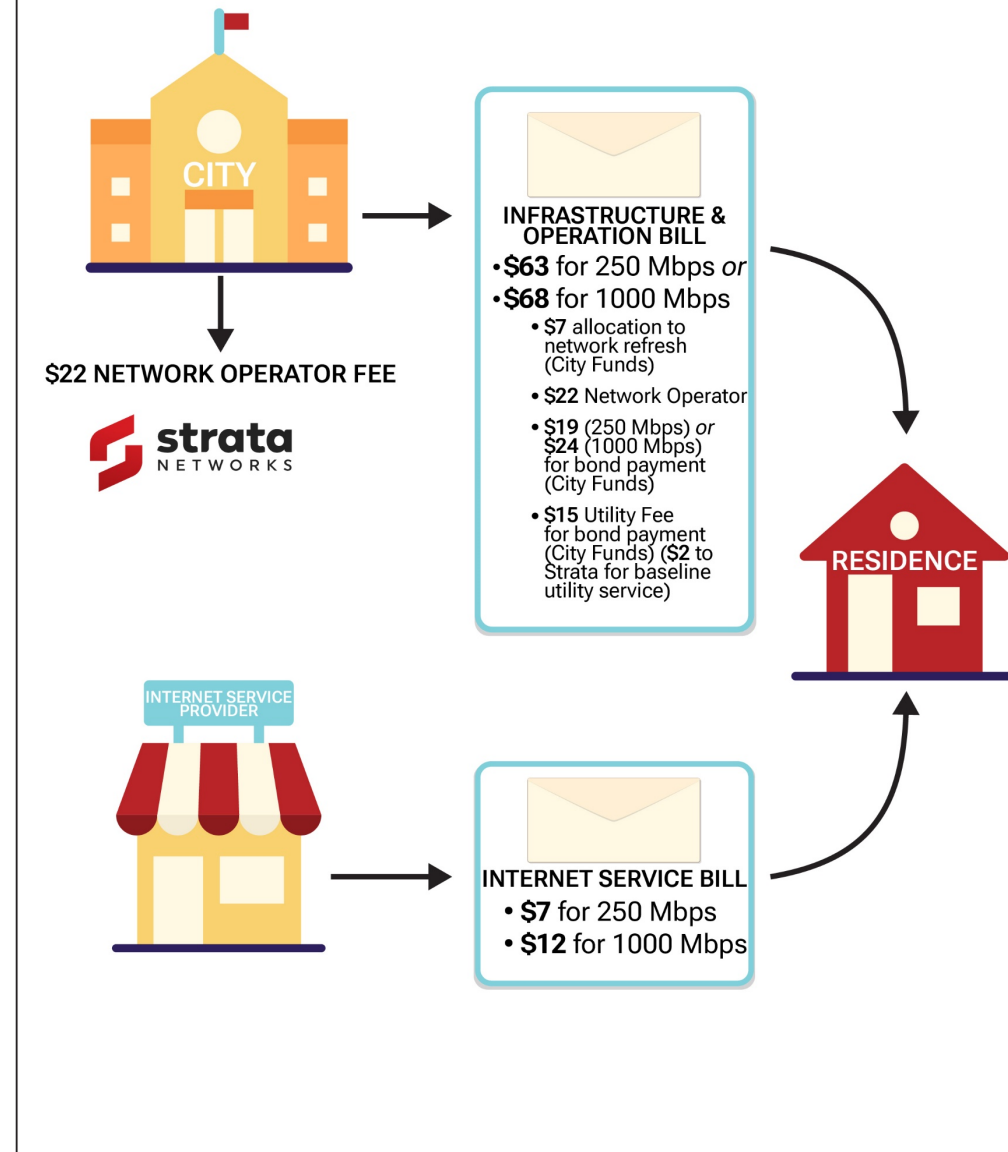
UTILITY MODEL

RESIDENTIAL 65/75



UTILITY MODEL

RESIDENTIAL 70/80



Thank You



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NETWORKS