

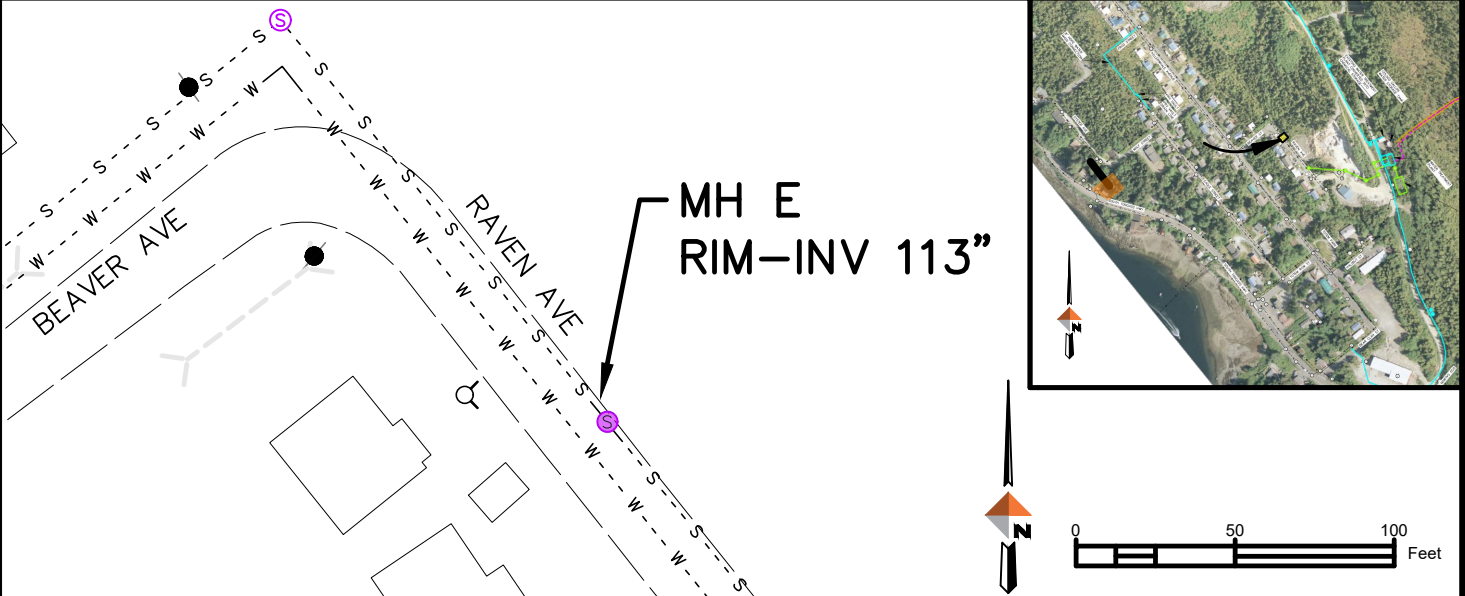
## MH E

### OBSERVATIONS

- SURFACE CORROSION ON THE FRAME AND LID
- CHIMNEY IS MISSING BRICKS AND BREAKING APART
- ROOTS ARE PRESENT AT BASE AND SHELF JOINT
- GROUNDWATER INFILTRATES AT PIPE CONNECTIONS

### CAPITAL IMPROVEMENT PROJECT RECOMMENDATION

- REMOVE ROOT SOURCE (TREES & SHRUBS)
- REPLACE MANHOLE
- REPAIR ASPHALT



### CAPITAL COST ESTIMATE

ITEM	QUANTITY	COST ESTIMATE
MANHOLE, TYPE I, 48 INCH	1 EACH	\$45,500
EXCAVATION	53 CY	\$3,200
MANHOLE CONNECTIONS	2 EACH	\$6,000
ASPHALT SURFACE AND BASE REPAIR	25 TON	\$12,500
SELECTIVE TREE REMOVAL	1 EACH	\$300
MANHOLE BYPASS	1 EACH	\$10,000
DEWATERING	1 EACH	\$10,000
ENGINEERING, DESIGN, AND PERMITTING	15%	\$3,900
ESTIMATING CONTINGENCY	15%	\$13,100
INFLATION CONTINGENCY	10%	\$8,800
CONTRACTOR ADMINISTRATION	20%	\$17,500
TOTAL		\$140,000

### LEGEND

EXISTING SANITARY SEWER MANHOLE	Ⓢ
EXISTING CLEANOUT	Ⓢ
EXISTING FIRE HYDRANT	Ⓢ
EXISTING SANITARY SEWER MAIN	--- S ---
EXISTING WATER MAIN	--- W ---
PROPOSED SANITARY SEWER MAIN	--- S ---
PROPOSED MANHOLE	Ⓢ
EXISTING UTILITY POLE	Ⓢ
EDGE OF ROAD	---



MH E REPLACEMENT  
SAXMAN INFLOW & INFILTRATION  
CAPITAL IMPROVEMENT PROJECTS

PROJECT 1163.63922.01  
DATE 06/27/2025

CIP 2

### MH 6A

#### OBSERVATIONS

- SURFACE CORROSION ON THE FRAME AND LID
- GROUNDWATER INFILTRATES AROUND ALL PIPE CONNECTIONS AND AT THE BARREL AND BASE JOINT

#### CAPITAL IMPROVEMENT PROJECT RECOMMENDATION

- REPLACE MANHOLE IN COORDINATION WITH CIP 5B (SEWER MAIN REPLACEMENT)

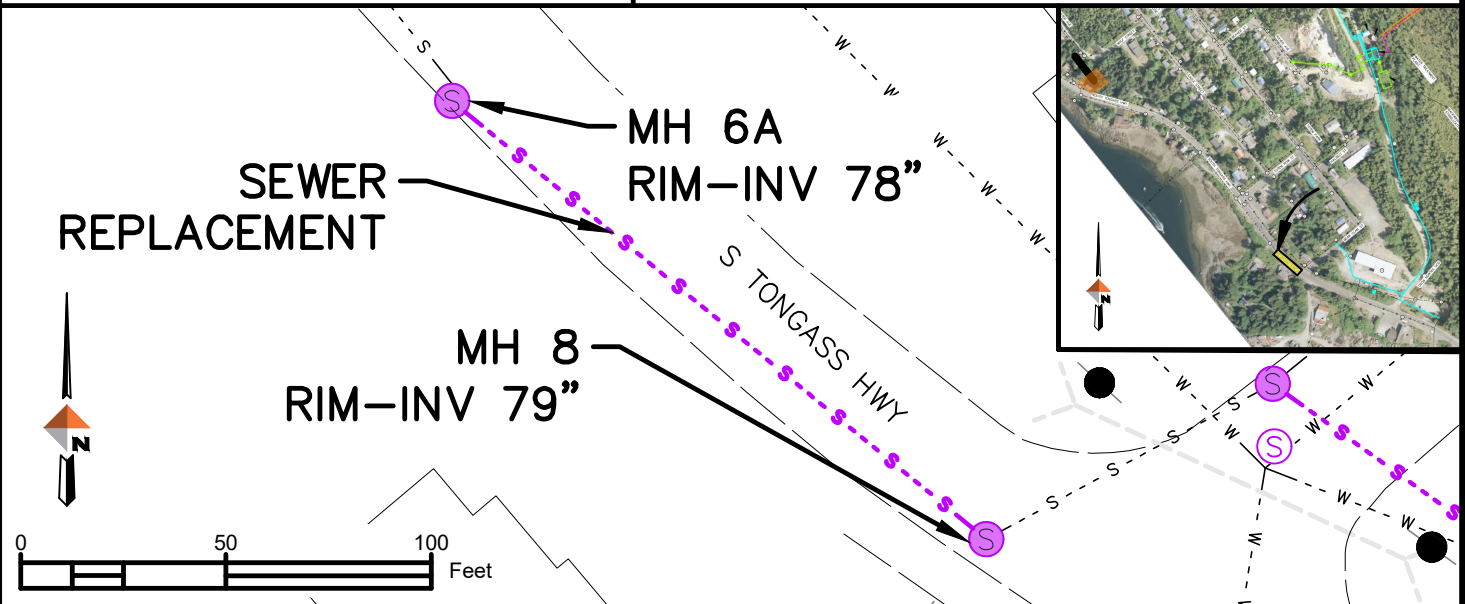
### MH 8

#### OBSERVATIONS

- SURFACE CORROSION ON THE FRAME AND LID
- GROUNDWATER INFILTRATES INTO MH 8 FROM PICK HOLES IN BARREL SECTION
- GROUNDWATER INFILTRATES AROUND PIPE 1, THE 8" DI INFLUENT PIPE

#### CAPITAL IMPROVEMENT PROJECT RECOMMENDATION

- REPLACE MANHOLE IN COORDINATION WITH CIP 5B (SEWER MAIN REPLACEMENT)



#### CAPITAL COST ESTIMATE

ITEM	QUANTITY	COST ESTIMATE
MANHOLE, TYPE I, 48 INCH	2 EACH	\$91,000
SEWER MAIN CONNECTIONS	2 EACH	\$6,000
EXCAVATION	42 CY	\$2,500
TOP SOIL AND SEEDING	12 SY	\$900
ASPHALT SURFACE AND BASE REPAIR	20 TON	\$10,300
MANHOLE BYPASS	1 EACH	\$10,000
DEWATERING	1 EACH	\$10,000
ENGINEERING, DESIGN, AND PERMITTING	15%	\$21,000
ESTIMATING CONTINGENCY	15%	\$21,000
INFLATION CONTINGENCY	10%	\$14,100
CONTRACTOR ADMINISTRATION	20%	\$28,100
TOTAL		\$225,100

#### LEGEND

EXISTING SANITARY SEWER MANHOLE	Ⓢ
EXISTING CLEANOUT	⓪
EXISTING FIRE HYDRANT	⦿
EXISTING SANITARY SEWER MAIN	--- S ---
EXISTING WATER MAIN	--- W ---
PROPOSED SANITARY SEWER MAIN	--- S ---
PROPOSED MANHOLE	Ⓢ
EXISTING UTILITY POLE	⦿
EDGE OF ROAD	---



MH 6A AND MH 8 REPLACEMENTS  
SAXMAN INFLOW & INFILTRATION  
CAPITAL IMPROVEMENT PROJECTS

PROJECT 1163.63922.01

DATE 06/27/2025

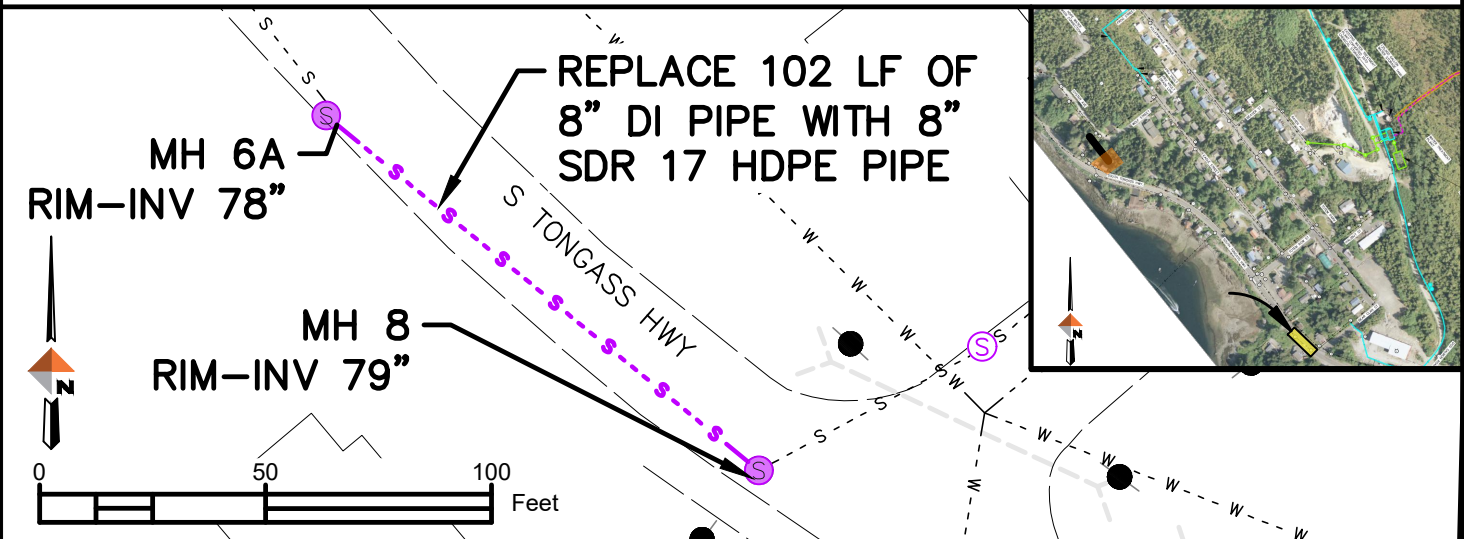
CIP 3A

## MH 8 TO MH 6A OBSERVATIONS

- 45 LF: LONGITUDINAL CRACK IN COATING FROM 8:00 TO 9:00 POSITION
- 47 LF TO 48 LF: LONGITUDINAL CRACK IN COATING AT 5:00 POSITION
- 60 LF TO 61 LF: 2 to 3" OF DEBRIS
- 105 LF: 2" to 3" OF DEBRIS

## CAPITAL IMPROVEMENT PROJECT RECOMMENDATION

- IN COORDINATION WITH CIP 5A (MH 6A & MH 8 REPLACEMENT), REPLACE EXISTING SEWER MAIN BETWEEN MH 8 AND MH 6A WITH 102 LF OF 8" SDR 17 HDPE PIPE AT A DEPTH OF 79". PROVIDE TEMPORARY SERVICE TO IMPACTED BUILDING. REPAIR ROAD SURFACE AND DISTURBED GROUND.



### CAPITAL COST ESTIMATE

ITEM	QUANTITY	COST ESTIMATE
8" SDR 17 HDPE PIPE	102 LF	\$30,600
TEMPORARY SEWER SERVICE	1 EACH	\$5,000
SEWER SERVICE CONNECTIONS	1 EACH	\$9,600
TOP SOIL AND SEEDING	45 SY	\$3,400
EXCAVATION	164 CY	\$9,800
MANHOLE CONNECTIONS	2 EACH	\$6,000
ASPHALT SURFACE AND BASE REPAIR	75 TON	\$38,100
UTILITY CONFLICT	2 EACH	\$200,000
DEWATERING	1 EACH	\$10,000
ENGINEERING, DESIGN, AND PERMITTING	15%	\$46,900
ESTIMATING CONTINGENCY	15%	\$46,900
INFLATION CONTINGENCY	10%	\$31,300
CONTRACTOR ADMINISTRATION	20%	\$62,500
<b>TOTAL</b>		<b>\$500,100</b>

### LEGEND

EXISTING SANITARY SEWER MANHOLE	Ⓢ
EXISTING CLEANOUT	Ⓢ
EXISTING FIRE HYDRANT	Ⓢ
EXISTING SANITARY SEWER MAIN	--- S ---
EXISTING WATER MAIN	--- W ---
PROPOSED SANITARY SEWER MAIN	--- S ---
PROPOSED MANHOLE	Ⓢ
EXISTING UTILITY POLE	Ⓢ
EDGE OF ROAD	---



MH 8 TO MH 6A SEWER MAIN REPLACEMENT  
SAXMAN INFLOW & INFILTRATION  
CAPITAL IMPROVEMENT PROJECTS

PROJECT 1163.63922.01  
DATE 06/27/2025

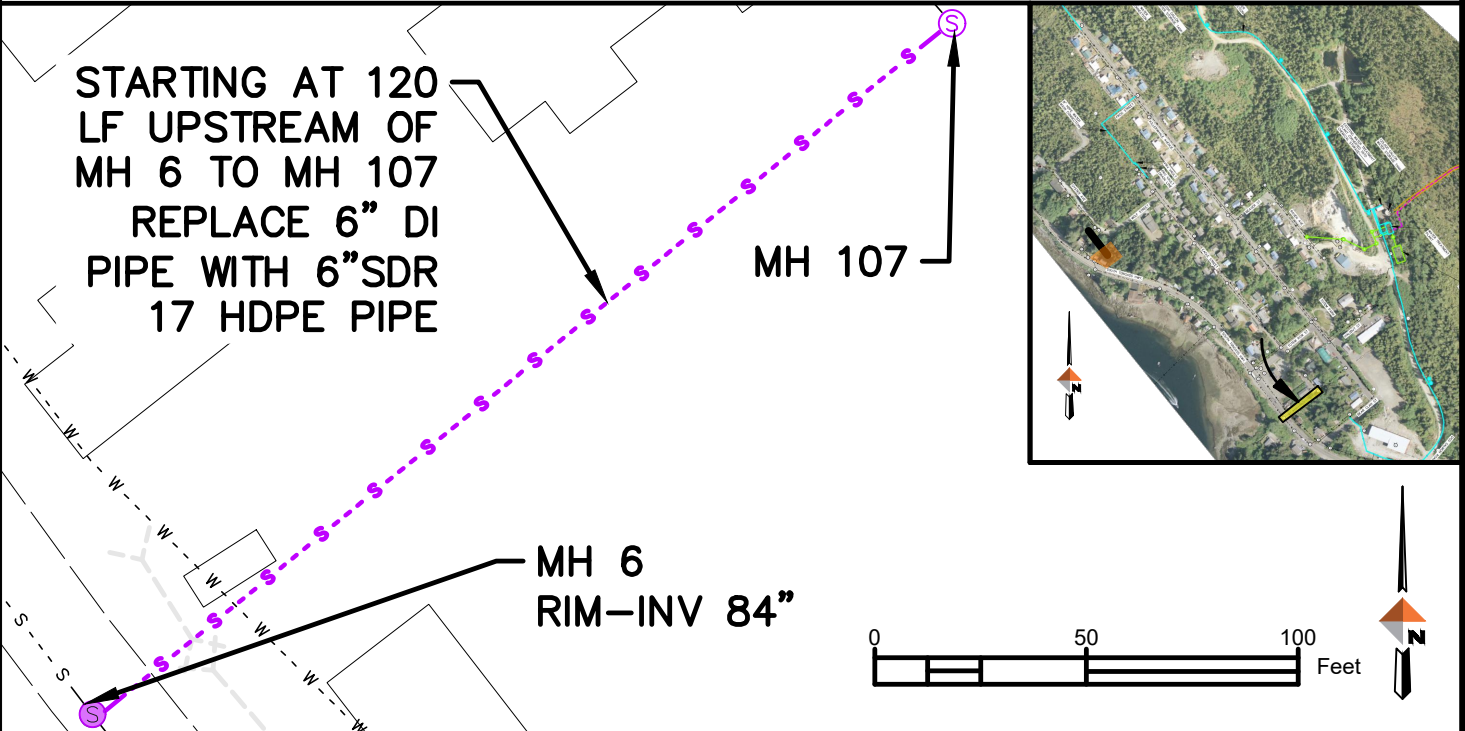
**CIP 3B**

## MH 107 TO MH 6 OBSERVATIONS

- 125 LF: 2" to 3" MINERALIZATION AT JOINT
- 180 LF to 181 LF: 1" DEEP BELLY
- 211 LF: 5" HOLE WITH REPAIR PATCH

## CAPITAL IMPROVEMENT PROJECT RECOMMENDATION

- REPLACE SEWER MAIN STARTING 120 LF UPSTREAM OF MH 6 TO MH 107 WITH 6" SDR 17 HDPE PIPE AT A DEPTH OF 84". PROVIDE TEMP SERVICE TO IMPACTED BUILDINGS. RESTORE DISTURBED GROUND.



## CAPITAL COST ESTIMATE

ITEM	QUANTITY	COST ESTIMATE
6" SDR 17 HDPE PIPE	140 LF	\$38,500
TEMPORARY SEWER SERVICE	2 EACH	\$10,000
SEWER SERVICE CONNECTIONS	2 EACH	\$19,200
EXCAVATION	254 CY	\$15,200
MANHOLE CONNECTIONS	2 EACH	\$6,000
TOP SOIL AND SEEDING	220 SY	\$16,600
UTILITY CONFLICT	1 EACH	\$100,000
DEWATERING	1 EACH	\$10,000
ENGINEERING, DESIGN, AND PERMITTING	15%	\$32,300
ESTIMATING CONTINGENCY	15%	\$32,300
INFLATION CONTINGENCY	10%	\$21,500
CONTRACTOR ADMINISTRATION	20%	\$43,100
<b>TOTAL</b>		<b>\$344,700</b>

## LEGEND

EXISTING SANITARY SEWER MANHOLE	Ⓢ
EXISTING CLEANOUT	Ⓢ
EXISTING FIRE HYDRANT	Ⓢ
EXISTING SANITARY SEWER MAIN	--- s ---
EXISTING WATER MAIN	--- w ---
PROPOSED SANITARY SEWER MAIN	--- s ---
PROPOSED MANHOLE	Ⓢ
EXISTING UTILITY POLE	Ⓢ
EDGE OF ROAD	---



**MH 107 TO MH 6 SEWER MAIN REPLACEMENT  
SAXMAN INFLOW & INFILTRATION  
CAPITAL IMPROVEMENT PROJECTS**

PROJECT 1163.63922.01  
DATE 06/27/2025

**CIP 4**

## MH 6

### OBSERVATIONS

- SURFACE CORROSION ON THE FRAME AND LID
- GROUNDWATER INFILTRATES AROUND ALL PIPE CONNECTIONS AND AT THE BARREL AND BASE JOINT

### CAPITAL IMPROVEMENT PROJECT RECOMMENDATION

- REPLACE MANHOLE



### CAPITAL COST ESTIMATE

ITEM	QUANTITY	COST ESTIMATE
MANHOLE, TYPE I, 48 INCH	1 EACH	\$45,500
EXCAVATION	25 CY	\$1,500
MANHOLE CONNECTIONS	3 EACH	\$9,000
ASPHALT SURFACE AND BASE REPAIR	15 TON	\$7,600
SELECTIVE TREE REMOVAL	1 EACH	\$300
MANHOLE BYPASS	1 EACH	\$10,000
DEWATERING	1 EACH	\$10,000
ENGINEERING, DESIGN, AND PERMITTING	15%	\$12,600
ESTIMATING CONTINGENCY	15%	\$12,600
INFLATION CONTINGENCY	10%	\$8,400
CONTRACTOR ADMINISTRATION	20%	\$16,800
TOTAL		\$134,300

### LEGEND

EXISTING SANITARY SEWER MANHOLE	Ⓢ
EXISTING CLEANOUT	Ⓢ
EXISTING FIRE HYDRANT	Ⓢ
EXISTING SANITARY SEWER MAIN	--- S ---
EXISTING WATER MAIN	--- W ---
PROPOSED SANITARY SEWER MAIN	--- S ---
PROPOSED MANHOLE	Ⓢ
EXISTING UTILITY POLE	Ⓢ
EDGE OF ROAD	---



MH 6 REPLACEMENT  
SAXMAN INFLOW & INFILTRATION  
CAPITAL IMPROVEMENT PROJECTS

PROJECT 1163.63922.01  
DATE 06/27/2025

CIP 5

**MH 11****OBSERVATIONS**

- SURFACE CORROSION ON THE FRAME AND LID
- CRACK IN THE CHIMNEY AT THE NORTH END
- GROUNDWATER INFILTRATES BETWEEN THE BARREL AND BASE SECTIONS

**CAPITAL IMPROVEMENT PROJECT RECOMMENDATION**

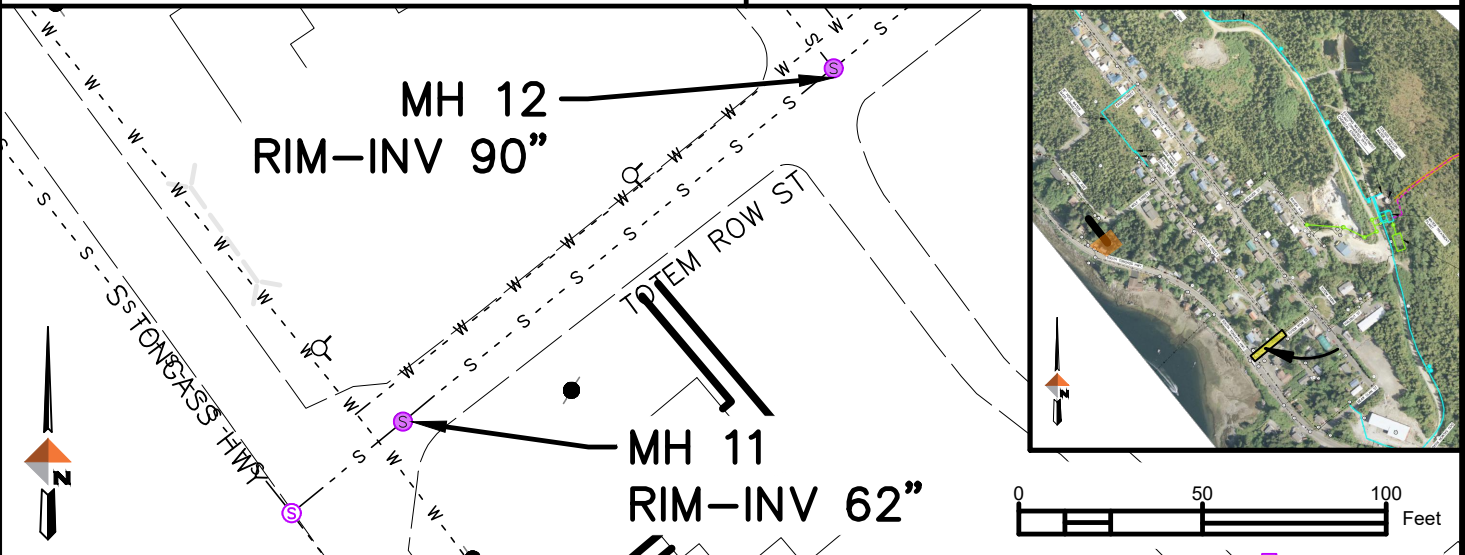
- REPLACE MANHOLE
- REPAIR ASPHALT

**MH 12****OBSERVATIONS**

- SURFACE CORROSION ON THE FRAME AND LID
- EXPOSED REBAR AROUND PIPE 4 CONNECTION.

**CAPITAL IMPROVEMENT PROJECT RECOMMENDATION**

- REPLACE THE FRAME AND LID
- PATCH EXPOSED REBAR WITH GROUT

**CAPITAL COST ESTIMATE**

ITEM	QUANTITY	COST ESTIMATE
MANHOLE, TYPE I, 48 INCH	1 EACH	\$45,500
MANHOLE CONNECTIONS	4 EACH	\$12,000
REMOVE AND REPLACE FRAME & LID	1 EACH	\$3,300
PATCH EXPOSED REBAR	1 EACH	\$1,500
EXCAVATION	26 CY	\$1,600
TOP SOIL AND SEEDING	3 SY	\$200
ASPHALT BASE AND SURFACE REPAIR	15 TON	\$7,600
MANHOLE BYPASS	1 EACH	\$10,000
DEWATERING	1 EACH	\$10,000
ENGINEERING, DESIGN, AND PERMITTING	15%	\$13,600
ESTIMATING CONTINGENCY	15%	\$13,600
INFLATION CONTINGENCY	10%	\$9,100
CONTRACTOR ADMINISTRATION	20%	\$18,100
<b>TOTAL</b>		<b>\$145,100</b>

**LEGEND**

EXISTING SANITARY SEWER MANHOLE	Ⓢ
EXISTING CLEANOUT	Ⓢ
EXISTING FIRE HYDRANT	Ⓢ
EXISTING SANITARY SEWER MAIN	--- S ---
EXISTING WATER MAIN	--- W ---
PROPOSED SANITARY SEWER MAIN	--- S ---
PROPOSED MANHOLE	Ⓢ
EXISTING UTILITY POLE	Ⓢ
EDGE OF ROAD	---



**MH 11 AND MH 12 REPLACEMENTS  
SAXMAN INFLOW & INFILTRATION  
CAPITAL IMPROVEMENT PROJECTS**

PROJECT 1163.63922.01

DATE 06/27/2025

**CIP 6**

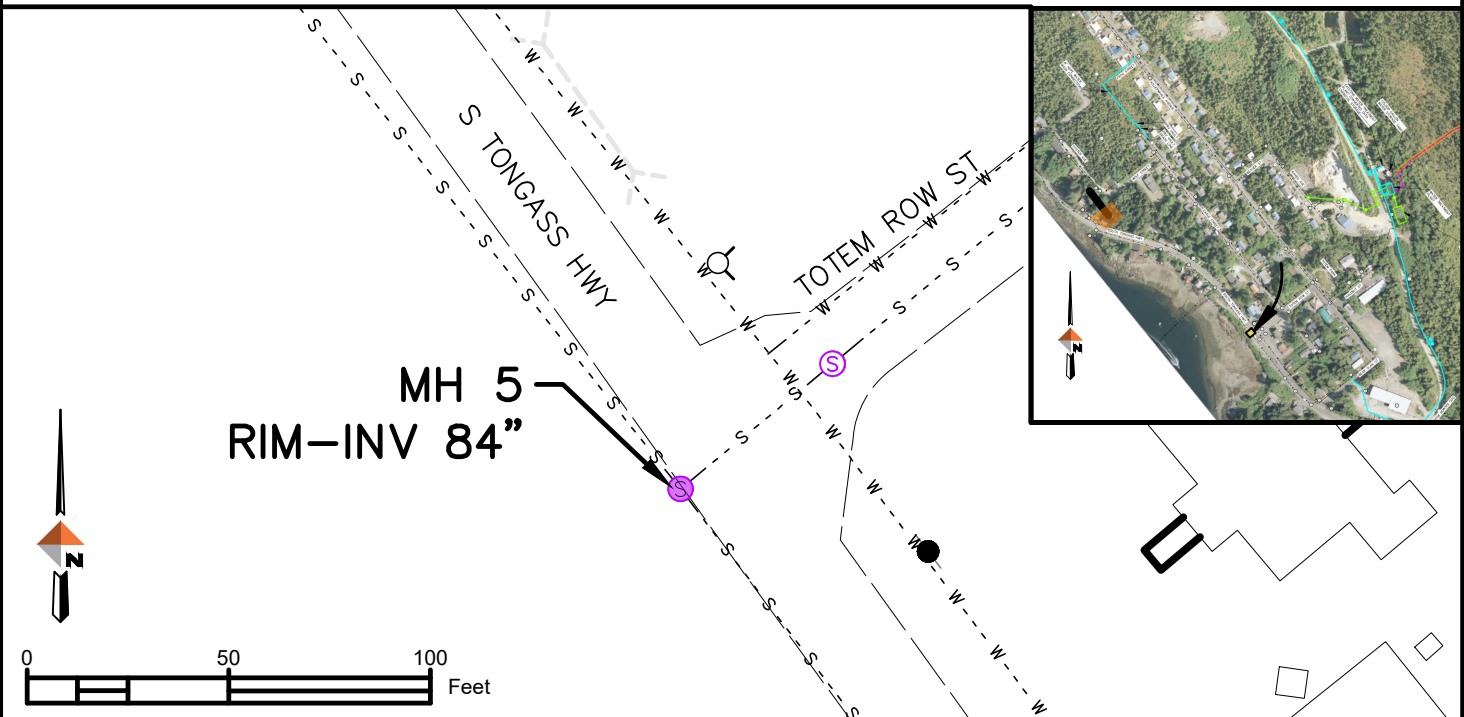
## MH 5

### OBSERVATIONS

- SURFACE CORROSION ON THE FRAME AND LID
- GROUNDWATER INFILTRATES BETWEEN THE CONE AND BASE
- GROUNDWATER INFILTRATES AROUND PIPE 2, AN 8" DI INFLUENT PIPE

### CAPITAL IMPROVEMENT PROJECT RECOMMENDATION

- REPLACE MANHOLE
- REPAIR ASPHALT



### CAPITAL COST ESTIMATE

ITEM	QUANTITY	COST ESTIMATE
MANHOLE, TYPE I, 48 INCH	1 EACH	\$45,500
EXCAVATION	15 CY	\$900
MANHOLE CONNECTIONS	3 EACH	\$9,000
ASPHALT SURFACE AND BASE REPAIR	11 TON	\$5,600
MANHOLE BYPASS	1 EACH	\$10,000
DEWATERING	1 EACH	\$10,000
ENGINEERING, DESIGN, AND PERMITTING	15%	\$12,100
ESTIMATING CONTINGENCY	15%	\$12,100
INFLATION CONTINGENCY	10%	\$8,100
CONTRACTOR ADMINISTRATION	20%	\$16,200
TOTAL		\$129,500

### LEGEND

EXISTING SANITARY SEWER MANHOLE	Ⓢ
EXISTING CLEANOUT	Ⓢ
EXISTING FIRE HYDRANT	Ⓢ
EXISTING SANITARY SEWER MAIN	--- S ---
EXISTING WATER MAIN	--- W ---
PROPOSED SANITARY SEWER MAIN	--- S ---
PROPOSED MANHOLE	Ⓢ
EXISTING UTILITY POLE	Ⓢ
EDGE OF ROAD	---



MH 5 REPLACEMENT  
SAXMAN INFLOW & INFILTRATION  
CAPITAL IMPROVEMENT PROJECTS

PROJECT 1163.63922.01

DATE 06/27/2025

CIP 7

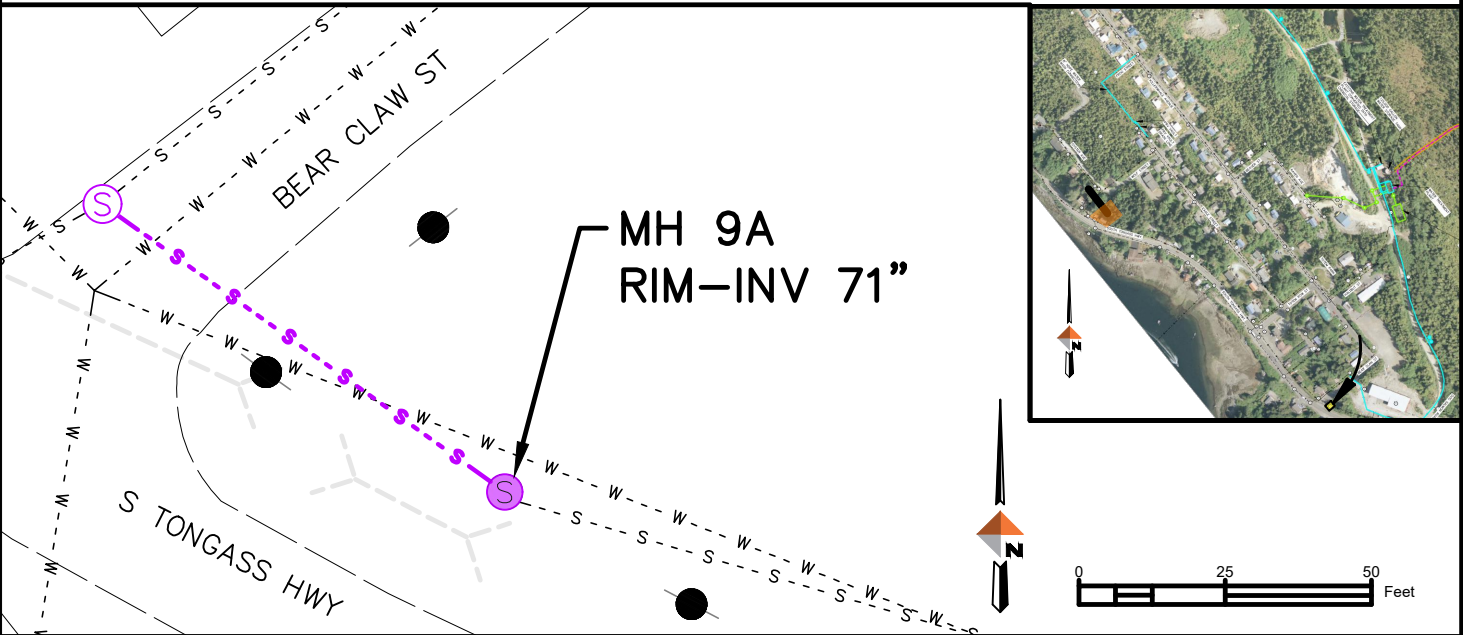
## MH 9A

### OBSERVATIONS

- SURFACE CORROSION ON THE FRAME AND LID
- RIM OF FRAME IS BROKEN AT THE NORTHEAST END
- GROUNDWATER INFILTRATES BETWEEN THE BARREL AND BASE JOINT

### CAPITAL IMPROVEMENT PROJECT RECOMMENDATION

- REPLACE MANOLE



### CAPITAL COST ESTIMATE

ITEM	QUANTITY	COST ESTIMATE
MANHOLE, TYPE I, 48 INCH	1 EACH	\$45,500
EXCAVATION	16 CY	\$1,000
MANHOLE CONNECTIONS	2 EACH	\$6,000
ASPHALT SURFACE AND BASE REPAIR	3 TON	\$1,500
TOP SOIL AND SEEDING	15 SY	\$1,200
MANHOLE BYPASS	1 EACH	\$10,000
DEWATERING	1 EACH	\$10,000
ENGINEERING, DESIGN, AND PERMITTING	15%	\$11,300
ESTIMATING CONTINGENCY	15%	\$11,300
INFLATION CONTINGENCY	10%	\$7,500
CONTRACTOR ADMINISTRATION	20%	\$15,000
TOTAL		\$120,300

### LEGEND

EXISTING SANITARY SEWER MANHOLE	Ⓢ
EXISTING CLEANOUT	Ⓢ
EXISTING FIRE HYDRANT	Ⓢ
EXISTING SANITARY SEWER MAIN	--- S ---
EXISTING WATER MAIN	--- W ---
PROPOSED SANITARY SEWER MAIN	--- s ---
PROPOSED MANHOLE	Ⓢ
EXISTING UTILITY POLE	Ⓢ
EDGE OF ROAD	---



MH 9A REPLACEMENT  
SAXMAN INFLOW & INFILTRATION  
CAPITAL IMPROVEMENT PROJECTS

PROJECT 1163.63922.01

DATE 06/27/2025

CIP 8

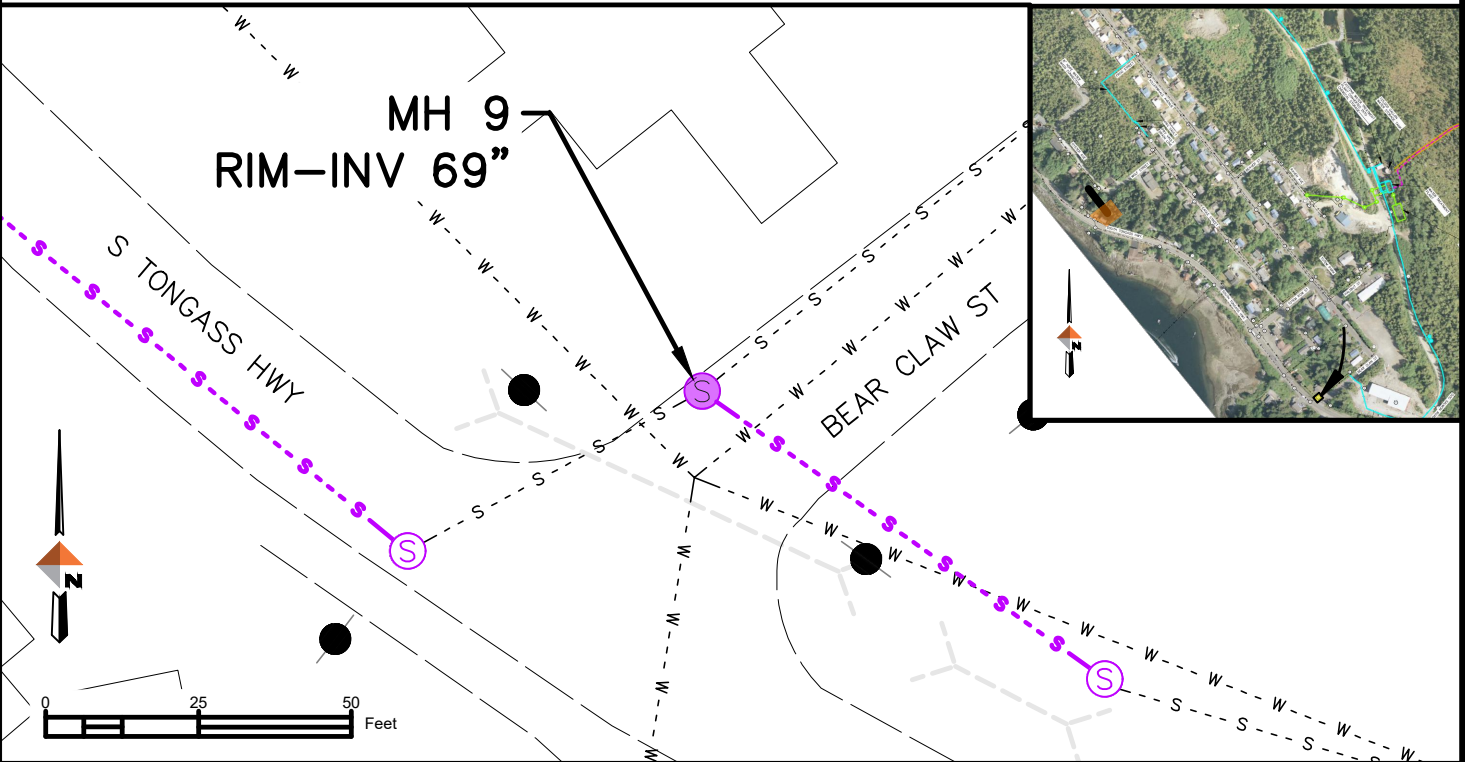
## MH 9

### OBSERVATIONS

- SURFACE CORROSION ON THE FRAME AND LID
- GROUNDWATER INFILTRATES AT THE BARREL SECTION JOINTS, FORMING DEPOSITS

### CAPITAL IMPROVEMENT PROJECT RECOMMENDATION

- REPLACE MANHOLE



### CAPITAL COST ESTIMATE

ITEM	QUANTITY	COST ESTIMATE
MANHOLE, TYPE I, 48 INCH	1 EACH	\$45,500
EXCAVATION	15 CY	\$900
MANHOLE CONNECTIONS	3 EACH	\$9,000
ASPHALT SURFACE AND BASE REPAIR	6 TON	\$2,800
TOP SOIL AND SEEDING	10 SY	\$700
MANHOLE BYPASS	1 EACH	\$10,000
DEWATERING	1 EACH	\$10,000
ENGINEERING, DESIGN, AND PERMITTING	15%	\$11,800
ESTIMATING CONTINGENCY	15%	\$11,800
INFLATION CONTINGENCY	10%	\$7,900
CONTRACTOR ADMINISTRATION	20%	\$15,800
<b>TOTAL</b>		<b>\$126,200</b>

### LEGEND

EXISTING SANITARY SEWER MANHOLE	Ⓢ
EXISTING CLEANOUT	Ⓢ
EXISTING FIRE HYDRANT	Ⓢ
EXISTING SANITARY SEWER MAIN	--- s ---
EXISTING WATER MAIN	--- w ---
PROPOSED SANITARY SEWER MAIN	--- s ---
PROPOSED MANHOLE	Ⓢ
EXISTING UTILITY POLE	Ⓢ
EDGE OF ROAD	---



MH 9 REPLACEMENT  
SAXMAN INFLOW & INFILTRATION  
CAPITAL IMPROVEMENT PROJECTS

PROJECT 1163.63922.01

DATE 06/27/2025

CIP 9

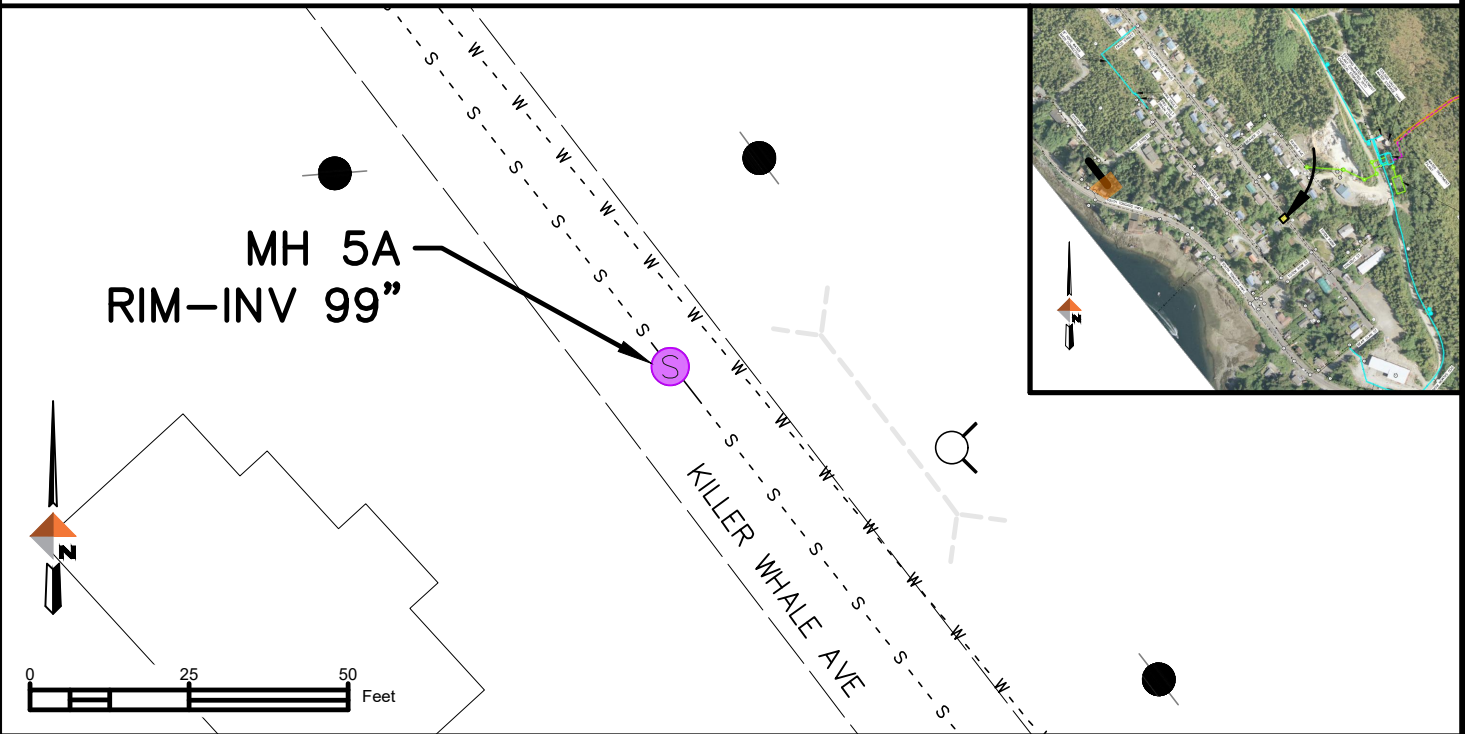
## MH 5A

### OBSERVATIONS

- SURFACE CORROSION ON THE FRAME AND LID
- GROUNDWATER INFILTRATES BETWEEN THE CONE AND BASE
- GROUNDWATER INFILTRATES AROUND PIPE 2, AN 8" DI INFLUENT PIPE

### CAPITAL IMPROVEMENT PROJECT RECOMMENDATION

- REPLACE MANHOLE
- REPAIR ASPHALT



### CAPITAL COST ESTIMATE

ITEM	QUANTITY	COST ESTIMATE
MANHOLE, TYPE I, 48 INCH	1 EACH	\$45,500
EXCAVATION	38 CY	\$2,300
MANHOLE CONNECTIONS	2 EACH	\$6,000
ASPHALT SURFACE AND BASE REPAIR	20 TON	\$10,000
MANHOLE BYPASS	1 EACH	\$10,000
DEWATERING	1 EACH	\$10,000
ENGINEERING, DESIGN, AND PERMITTING	15%	\$12,600
ESTIMATING CONTINGENCY	15%	\$12,600
INFLATION CONTINGENCY	10%	\$8,400
CONTRACTOR ADMINISTRATION	20%	\$16,800
TOTAL		\$134,200

### LEGEND

EXISTING SANITARY SEWER MANHOLE	Ⓢ
EXISTING CLEANOUT	Ⓢ
EXISTING FIRE HYDRANT	Ⓢ
EXISTING SANITARY SEWER MAIN	--- s ---
EXISTING WATER MAIN	--- w ---
PROPOSED SANITARY SEWER MAIN	--- s ---
PROPOSED MANHOLE	Ⓢ
EXISTING UTILITY POLE	Ⓢ
EDGE OF ROAD	---



MH 5A REPLACEMENT  
SAXMAN INFLOW & INFILTRATION  
CAPITAL IMPROVEMENT PROJECTS

PROJECT 1163.63922.01  
DATE 06/27/2025

CIP 10

**MH 26****OBSERVATIONS**

- SURFACE CORROSION ON THE FRAME AND LID
- DETERIORATING BRICK CHIMNEY
- GROUNDWATER INFILTRATES AROUND PIPE 2, AN 8" PVC INFLUENT PIPE

**CAPITAL IMPROVEMENT PROJECT RECOMMENDATION**

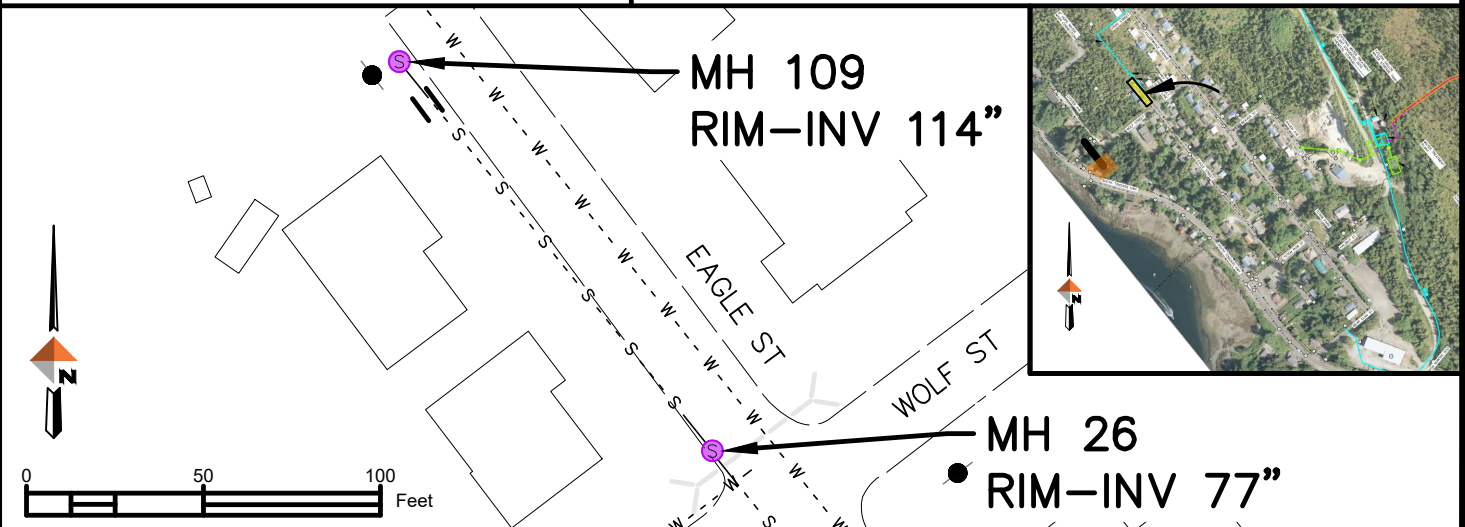
- REPLACE MANHOLE

**MH 109****OBSERVATIONS**

- SURFACE CORROSION ON THE FRAME AND LID
- THE CHIMNEY IS CRUMBLING WITH MULTIPLE CRACKS
- DEBRIS ON SHELF

**CAPITAL IMPROVEMENT PROJECT RECOMMENDATION**

- REPLACE THE CHIMNEY, FRAME, AND LID
- REMOVE DEBRIS FROM SHELF

**CAPITAL COST ESTIMATE**

ITEM	QUANTITY	COST ESTIMATE
MANHOLE, TYPE I, 48 INCH	1 EACH	\$45,500
REPLACE MANHOLE CHIMNEY	1 EACH	\$3,300
REMOVE AND REPLACE FRAME AND LID	1 EACH	\$3,700
SEWER MAIN CONNECTIONS	2 EACH	\$6,000
EXCAVATION	21 CY	\$1,200
ASPHALT SURFACE AND BASE REPAIR	13 TON	\$6,700
MANHOLE BYPASS	1 EACH	\$10,000
DEWATERING	1 EACH	\$10,000
ENGINEERING, DESIGN, AND PERMITTING	15%	\$13,000
ESTIMATING CONTINGENCY	15%	\$13,000
INFLATION CONTINGENCY	10%	\$8,600
CONTRACTOR ADMINISTRATION	20%	\$17,300
<b>TOTAL</b>		<b>\$138,300</b>

**LEGEND**

EXISTING SANITARY SEWER MANHOLE	Ⓢ
EXISTING CLEANOUT	Ⓢ
EXISTING FIRE HYDRANT	Ⓢ
EXISTING SANITARY SEWER MAIN	--- S ---
EXISTING WATER MAIN	--- W ---
PROPOSED SANITARY SEWER MAIN	--- S ---
PROPOSED MANHOLE	Ⓢ
EXISTING UTILITY POLE	Ⓢ
EDGE OF ROAD	---



**MH 26 AND MH 109 REPLACEMENTS  
SAXMAN INFLOW & INFILTRATION  
CAPITAL IMPROVEMENT PROJECTS**

PROJECT 1163.63922.01

DATE 06/27/2025

**CIP 11**

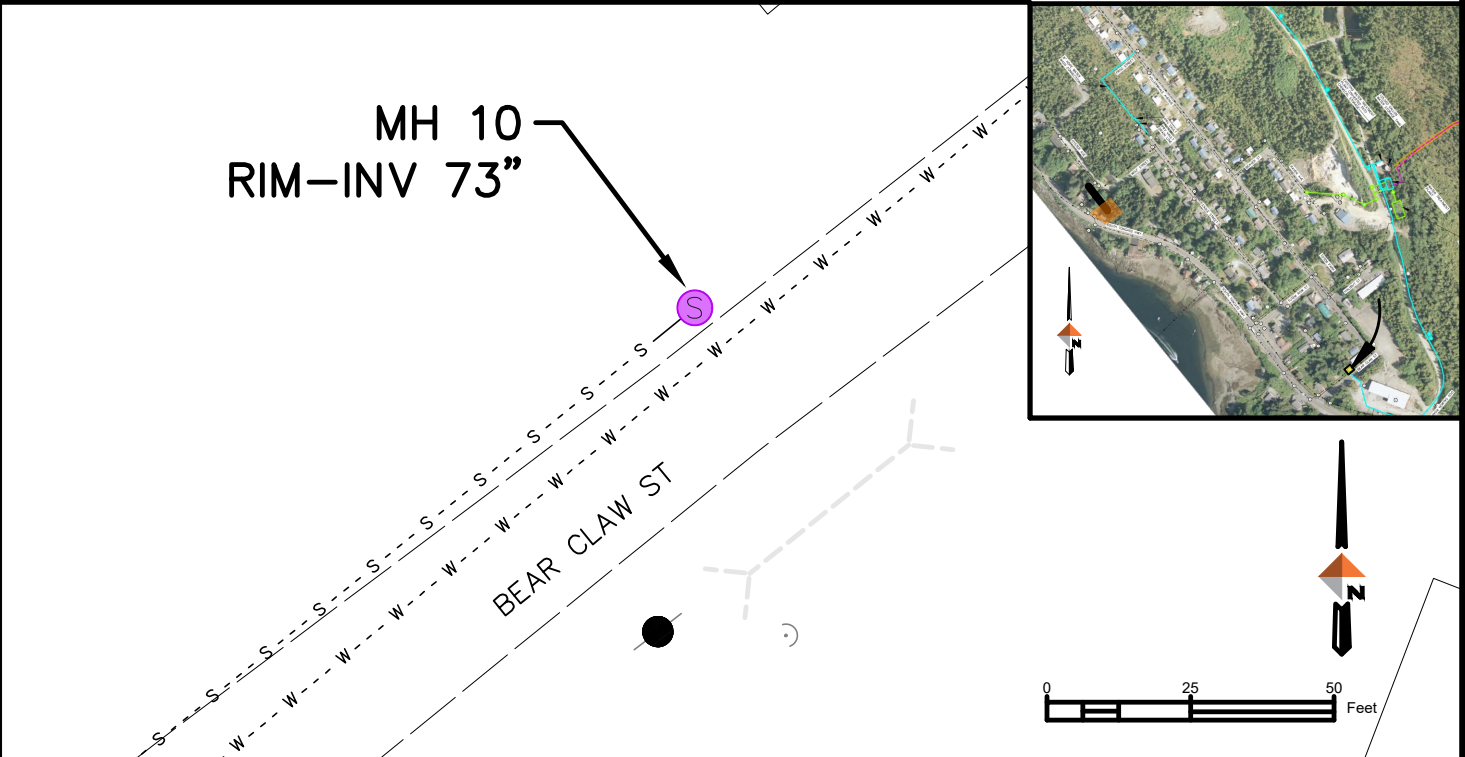
## MH 10

### OBSERVATIONS

- SURFACE CORROSION ON THE FRAME AND LID
- GROUNDWATER INFILTRATES AT THE BARREL AND BASE JOINT

### CAPITAL IMPROVEMENT PROJECT RECOMMENDATION

- REPLACE MANHOLE



### CAPITAL COST ESTIMATE

ITEM	QUANTITY	COST ESTIMATE
MANHOLE, TYPE I, 48 INCH	1 EACH	\$45,500
EXCAVATION	17 CY	\$1,000
MANHOLE CONNECTIONS	2 EACH	\$6,000
ASPHALT SURFACE AND BASE REPAIR	6 TON	\$3,000
TOP SOIL AND SEEDING	11 SY	\$800
MANHOLE BYPASS	1 EACH	\$10,000
DEWATERING	1 EACH	\$10,000
ENGINEERING, DESIGN, AND PERMITTING	15%	\$11,500
ESTIMATING CONTINGENCY	15%	\$11,500
INFLATION CONTINGENCY	10%	\$7,600
CONTRACTOR ADMINISTRATION	20%	\$15,300
TOTAL		\$122,200

### LEGEND

EXISTING SANITARY SEWER MANHOLE	Ⓢ
EXISTING CLEANOUT	Ⓢ
EXISTING FIRE HYDRANT	Ⓢ
EXISTING SANITARY SEWER MAIN	--- S ---
EXISTING WATER MAIN	--- W ---
PROPOSED SANITARY SEWER MAIN	--- S ---
PROPOSED MANHOLE	Ⓢ
EXISTING UTILITY POLE	Ⓢ
EDGE OF ROAD	---



MH 10 REPLACEMENT  
SAXMAN INFLOW & INFILTRATION  
CAPITAL IMPROVEMENT PROJECTS

PROJECT 1163.63922.01  
DATE 06/27/2025

CIP 12

## MH 105

### OBSERVATIONS

- SURFACE CORROSION ON THE FRAME AND LID
- GROUNDWATER INFILTRATES AT ALL PIPE CONNECTIONS
- EXPOSED REBAR NEAR THE PIPE 3 CONNECTION
- FRAME IS OFFSET 3" to 4"

### CAPITAL IMPROVEMENT PROJECT RECOMMENDATION

- REPLACE MANHOLE



### CAPITAL COST ESTIMATE

ITEM	QUANTITY	COST ESTIMATE
MANHOLE, TYPE I, 48 INCH	1 EACH	\$45,500
EXCAVATION	15 CY	\$900
MANHOLE CONNECTIONS	4 EACH	\$12,000
TOP SOIL AND SEEDING	19 SY	\$1,500
MANHOLE BYPASS	1 EACH	\$10,000
DEWATERING	1 EACH	\$10,000
ENGINEERING, DESIGN, AND PERMITTING	15%	\$12,000
ESTIMATING CONTINGENCY	15%	\$12,000
INFLATION CONTINGENCY	10%	\$8,000
CONTRACTOR ADMINISTRATION	20%	\$16,000
TOTAL		\$127,900

### LEGEND

EXISTING SANITARY SEWER MANHOLE	Ⓢ
EXISTING CLEANOUT	Ⓢ
EXISTING FIRE HYDRANT	Ⓢ
EXISTING SANITARY SEWER MAIN	--- S ---
EXISTING WATER MAIN	--- W ---
PROPOSED SANITARY SEWER MAIN	--- S ---
PROPOSED MANHOLE	Ⓢ
EXISTING UTILITY POLE	Ⓢ
EDGE OF ROAD	---



MH 105 REPLACEMENT  
SAXMAN INFLOW & INFILTRATION  
CAPITAL IMPROVEMENT PROJECTS

PROJECT 1163.63922.01  
DATE 06/27/2025

CIP 13

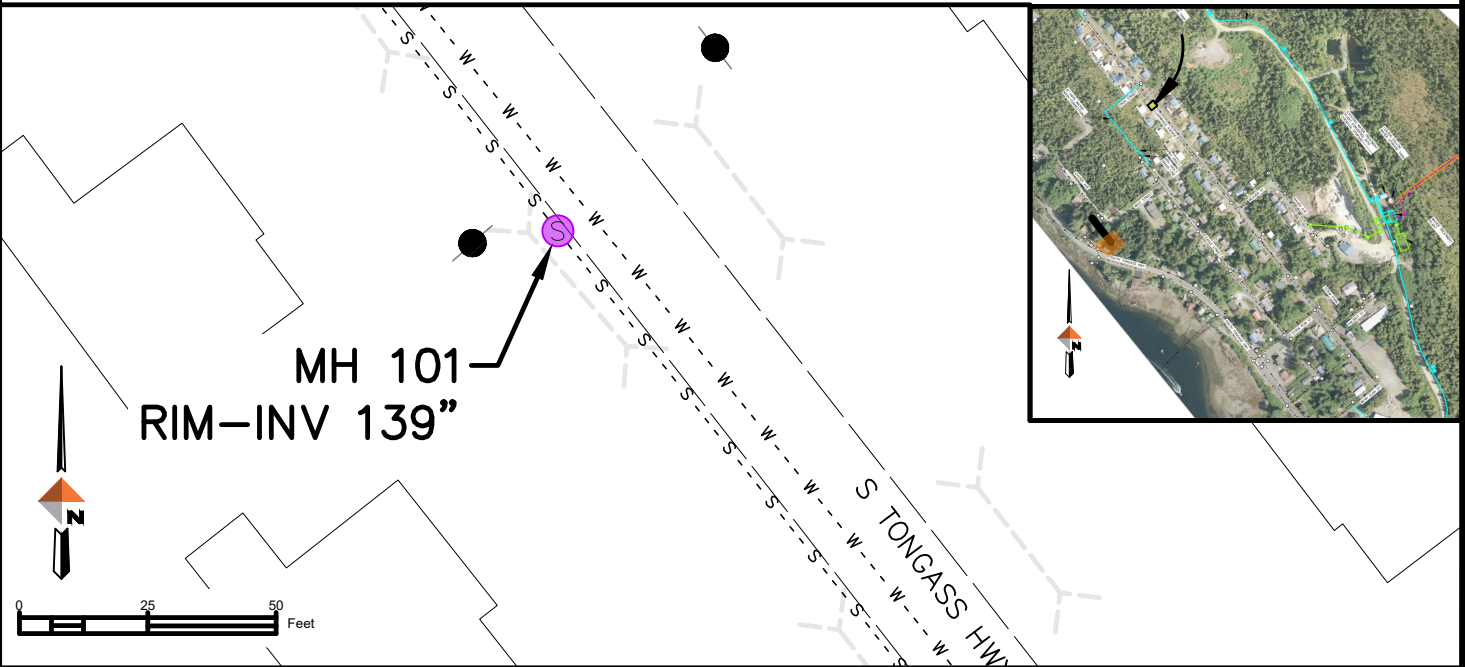
## MH 101

### OBSERVATIONS

- SURFACE CORROSION ON THE FRAME AND LID
- GROUNDWATER INFILTRATES AT ALL PIPE CONNECTIONS
- EXPOSED REBAR NEAR THE PIPE 3 CONNECTION
- FRAME IS OFFSET 3" to 4"

### CAPITAL IMPROVEMENT PROJECT RECOMMENDATION

- REPLACE MANHOLE



### CAPITAL COST ESTIMATE

ITEM	QUANTITY	COST ESTIMATE
MANHOLE, TYPE I, 48 INCH	1 EACH	\$45,500
EXCAVATION	91.5 CY	\$5,500
MANHOLE CONNECTIONS	2 EACH	\$6,000
ASPHALT SURFACE AND BASE REPAIR	35 TON	\$17,900
MANHOLE BYPASS	1 EACH	\$10,000
DEWATERING	1 EACH	\$10,000
ENGINEERING, DESIGN, AND PERMITTING	15%	\$14,200
ESTIMATING CONTINGENCY	15%	\$14,200
INFLATION CONTINGENCY	10%	\$9,500
CONTRACTOR ADMINISTRATION	20%	\$19,000
TOTAL		\$151,800

### LEGEND

EXISTING SANITARY SEWER MANHOLE	Ⓢ
EXISTING CLEANOUT	Ⓢ
EXISTING FIRE HYDRANT	Ⓢ
EXISTING SANITARY SEWER MAIN	--- S ---
EXISTING WATER MAIN	--- W ---
PROPOSED SANITARY SEWER MAIN	--- S ---
PROPOSED MANHOLE	Ⓢ
EXISTING UTILITY POLE	Ⓢ
EDGE OF ROAD	---



MH 101 REPLACEMENT  
SAXMAN INFLOW & INFILTRATION  
CAPITAL IMPROVEMENT PROJECTS

PROJECT 1163.63922.01  
DATE 06/27/2025

CIP 14

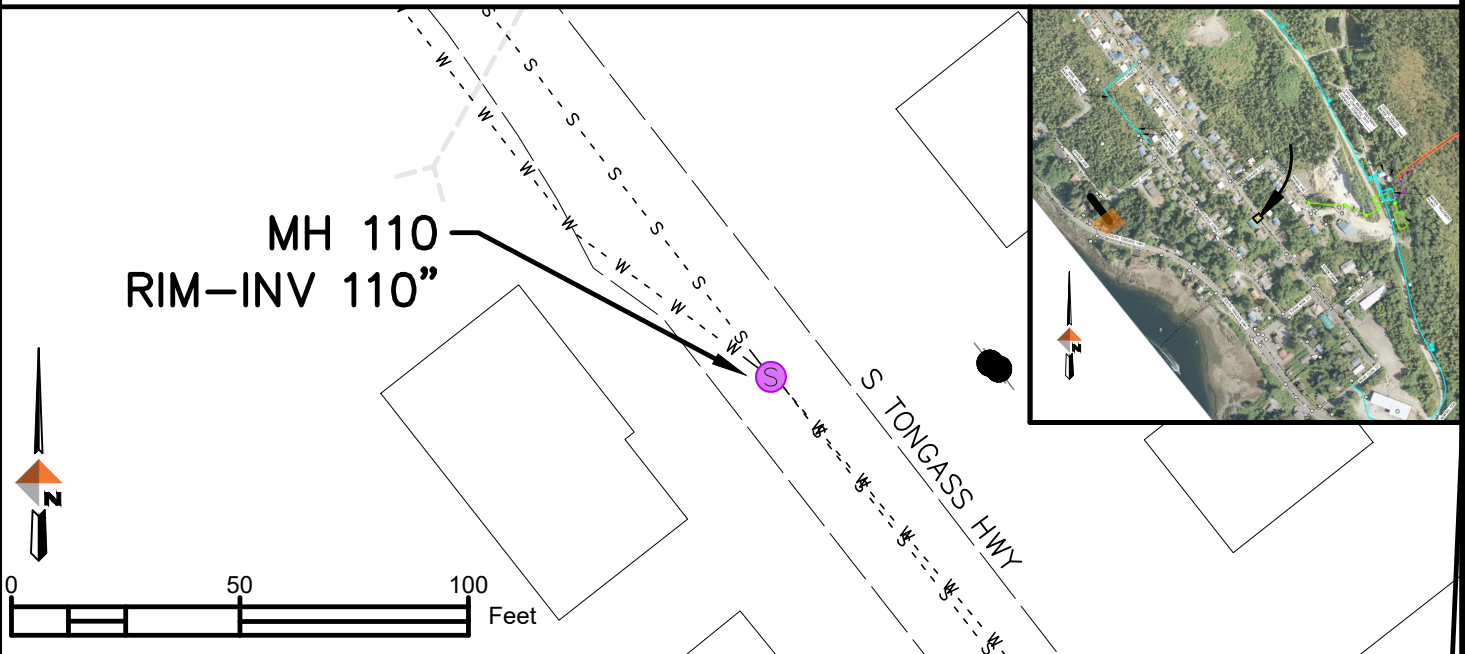
## MH 110

### OBSERVATIONS

- SURFACE CORROSION ON THE FRAME AND LID
- GROUNDWATER INFILTRATES AT THE CONE AND BASE JOINT
- GROUNDWATER INFILTRATES AT THE CONNECTION WITH PIPE 1, AN 8" PVC INFLUENT PIPE

### CAPITAL IMPROVEMENT PROJECT RECOMMENDATION

- REPLACE MANHOLE



### CAPITAL COST ESTIMATE

ITEM	QUANTITY	COST ESTIMATE
MANHOLE, TYPE I, 48 INCH	1 EACH	\$45,500
EXCAVATION	40 CY	\$2,400
MANHOLE CONNECTIONS	2 EACH	\$6,000
ASPHALT SURFACE AND BASE REPAIR	20 TON	\$10,300
UTILITY CONFLICT	1 EACH	\$100,000
MANHOLE BYPASS	1 EACH	\$10,000
DEWATERING	1 EACH	\$10,000
ENGINEERING, DESIGN, AND PERMITTING	15%	\$27,600
ESTIMATING CONTINGENCY	15%	\$27,600
INFLATION CONTINGENCY	10%	\$18,400
CONTRACTOR ADMINISTRATION	20%	\$36,800
TOTAL		\$294,600

### LEGEND

EXISTING SANITARY SEWER MANHOLE	Ⓢ
EXISTING CLEANOUT	Ⓢ
EXISTING FIRE HYDRANT	Ⓢ
EXISTING SANITARY SEWER MAIN	--- S ---
EXISTING WATER MAIN	--- W ---
PROPOSED SANITARY SEWER MAIN	--- S ---
PROPOSED MANHOLE	Ⓢ
EXISTING UTILITY POLE	Ⓢ
EDGE OF ROAD	---



MH 110 REPLACEMENT  
SAXMAN INFLOW & INFILTRATION  
CAPITAL IMPROVEMENT PROJECTS

PROJECT 1163.63922.01  
DATE 06/27/2025

CIP 15

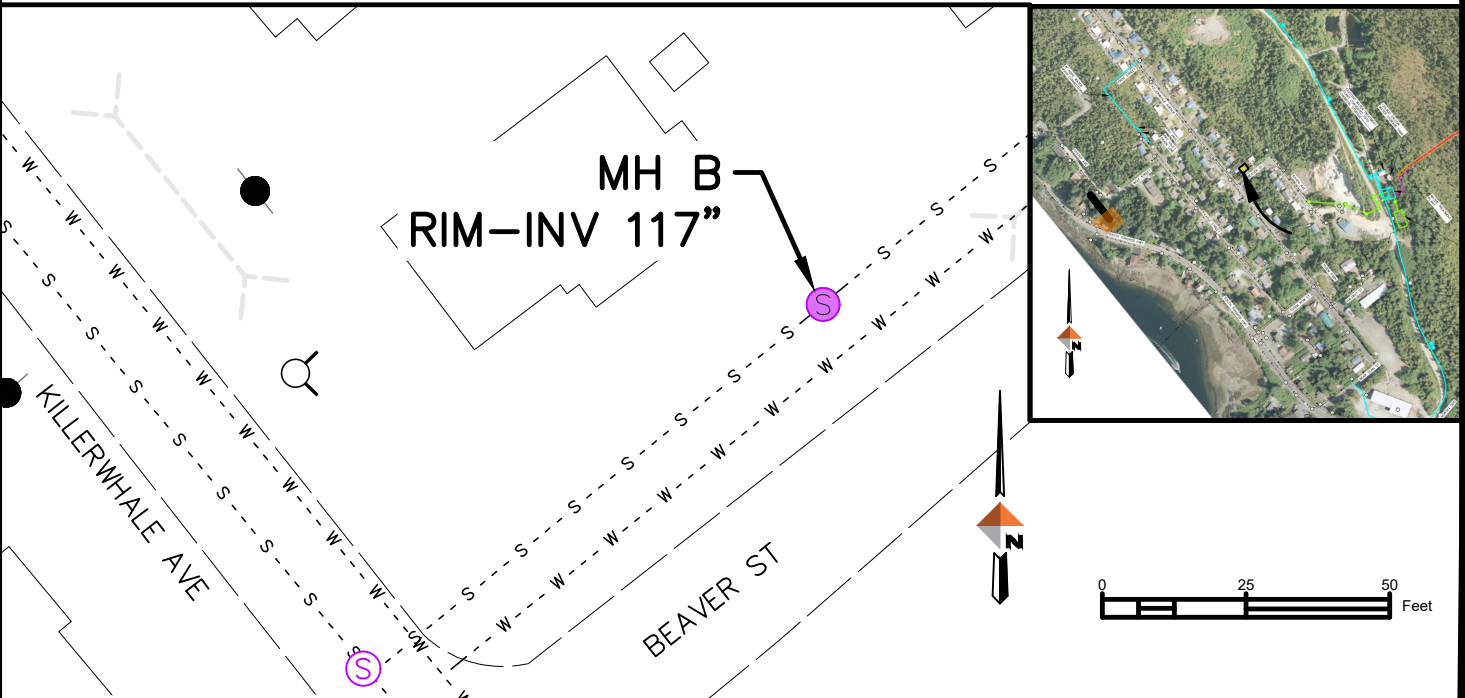
## MH B

### OBSERVATIONS

- SURFACE CORROSION ON THE FRAME AND LID
- GROUNDWATER INFILTRATES AT THE CONNECTION WITH PIPE 1, AN 8" DI INFLUENT PIPE

### CAPITAL IMPROVEMENT PROJECT RECOMMENDATION

- REPLACE MANHOLE



### CAPITAL COST ESTIMATE

ITEM	QUANTITY	COST ESTIMATE
MANHOLE, TYPE I, 48 INCH	1 EACH	\$45,500
EXCAVATION	58 CY	\$3,500
MANHOLE CONNECTIONS	2 EACH	\$6,000
ASPHALT SURFACE AND BASE REPAIR	26 TON	\$13,300
MANHOLE BYPASS	1 EACH	\$10,000
DEWATERING	1 EACH	\$10,000
ENGINEERING, DESIGN, AND PERMITTING	15%	\$13,200
ESTIMATING CONTINGENCY	15%	\$13,200
INFLATION CONTINGENCY	10%	\$8,800
CONTRACTOR ADMINISTRATION	20%	\$17,700
TOTAL		\$141,200

### LEGEND

EXISTING SANITARY SEWER MANHOLE	Ⓢ
EXISTING CLEANOUT	Ⓢ
EXISTING FIRE HYDRANT	Ⓢ
EXISTING SANITARY SEWER MAIN	--- S ---
EXISTING WATER MAIN	--- W ---
PROPOSED SANITARY SEWER MAIN	--- S ---
PROPOSED MANHOLE	Ⓢ
EXISTING UTILITY POLE	Ⓢ
EDGE OF ROAD	---



MH B REPLACEMENT  
SAXMAN INFLOW & INFILTRATION  
CAPITAL IMPROVEMENT PROJECTS

PROJECT 1163.63922.01  
DATE 06/27/2025

CIP 16