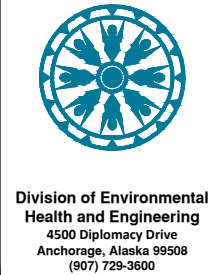
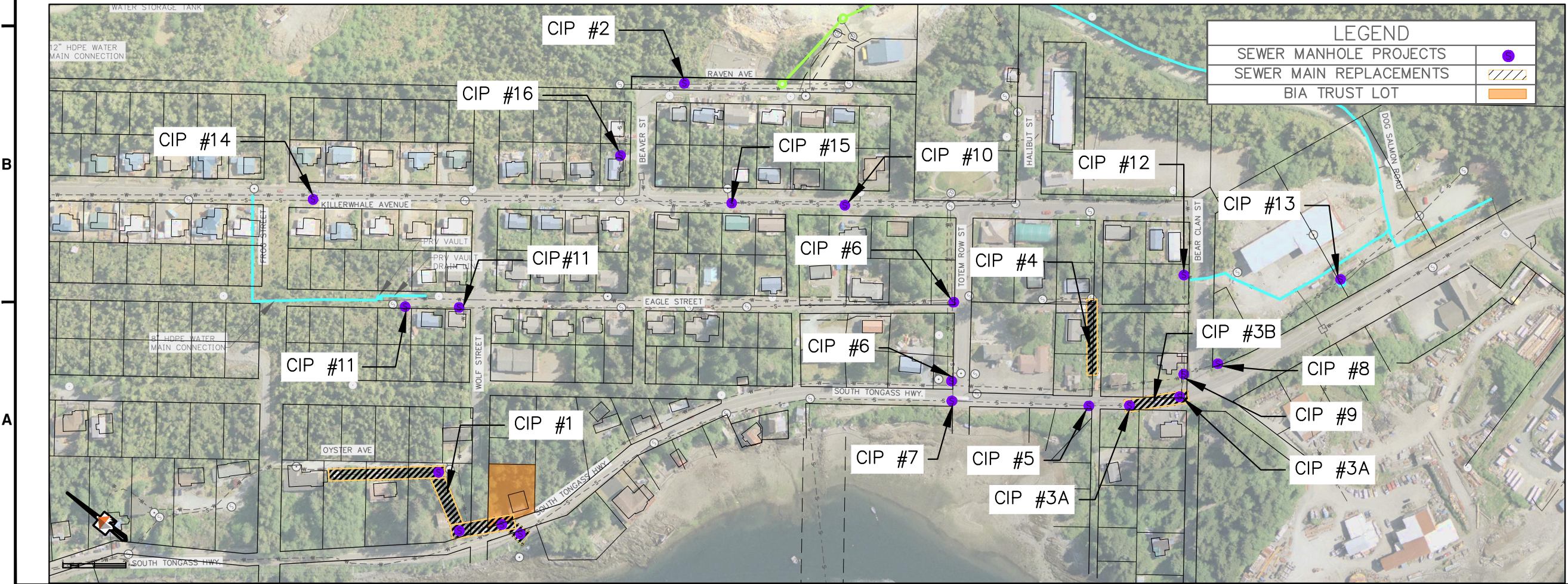


CAPITAL IMPROVEMENT PROJECTS			CAPITAL IMPROVEMENT PROJECTS		
PRIORITY RANK	DESCRIPTION	COST ESTIMATE	PRIORITY RANK	DESCRIPTION	COST ESTIMATE
CIP 1	•REPLACE FRAME & LID ON MH 1. •REMOVE EXISTING MH 22 AND CONSTRUCT A NEW MH 22 CLOSER TO THE ROAD •REPLACE MH 23. •REPLACE PIPE CO2 TO MH 23 & MH 22 TO MH 23 •CONSTRUCT NEW SEWER MAIN FROM MH 22 TO MH 1	\$1,360,800	CIP 8	REPLACE MH 9A	\$120,300
CIP 2	REPLACE MH E & REMOVE ROOT SOURCE	\$140,000	CIP 9	REPLACE MH 9	\$126,200
CIP 3A	REPLACE MH 6A & MH 8	\$225,100	CIP 10	REPLACE MH 5A	\$134,200
CIP 3B	REPLACE PIPE FROM MH 6A TO MH 8	\$500,100	CIP 11	REPLACE MH 26. REPLACE CHIMNEY, FRAME, & LID ON MH 109	\$138,300
CIP 4	REPLACE 140 LF OF PIPE BETWEEN MH 6 & MH 107	\$344,700	CIP 12	REPLACE MH 10	\$122,200
CIP 5	REPLACE MH 6 & REMOVE ROOT SOURCE	\$134,300	CIP 13	REPLACE MH 105	\$127,900
CIP 6	REPLACE MH 11. REPLACE FRAME & LID & PATCH EXPOSED REBAR ON MH 12	\$145,100	CIP 14	REPLACE MH 101	\$151,800
CIP 7	REPLACE MH 5	\$129,500	CIP 15	REPLACE MH 110	\$294,600
			CIP 16	REPLACE MH B	\$141,200
			SITE SURVEY	SURVEY OF SEWER STRUCTURES, DOT ROW, EXISTING EASEMENTS, & BIA TRUST LOT	\$30,000
			WASTE DISPOSAL	TRANSPORT AND DISPOSAL OF DEMOLITION DEBRIS	\$17,000
			TOTAL		\$4,383,300



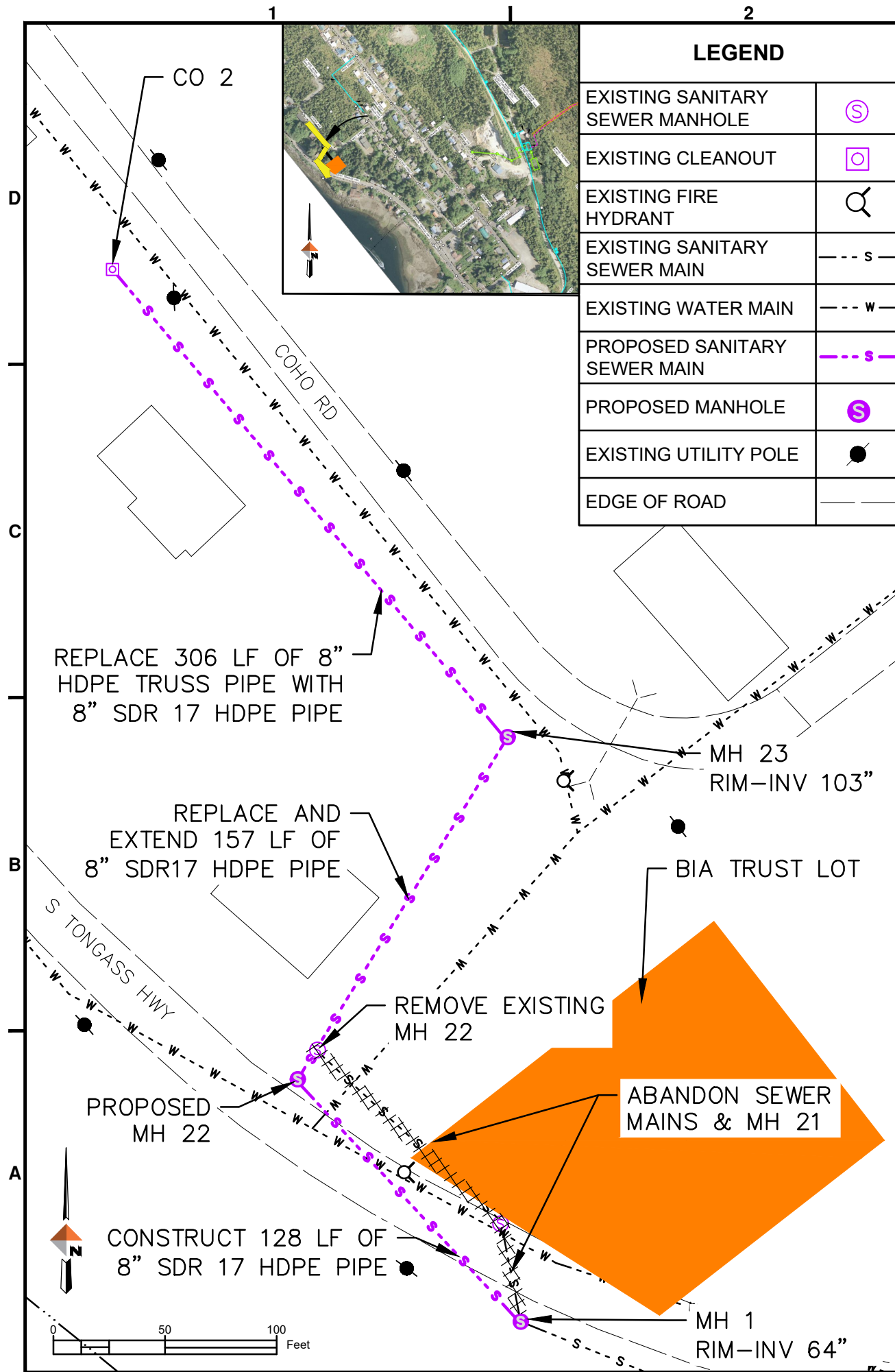
0 1"
BAR IS ONE INCH ON
ORIGINAL DRAWING, IF NOT
ADJUST SCALES ACCORDINGLY

SAXMAN INFLOW & INFILTRATION
CAPITAL IMPROVEMENT PROJECTS
SAXMAN, AK

MARK	DATE	DESCRIPTION

PLAN SET: 06-27-2024
PROJ MGR: C. NELSON
PROJ ENG: B. MJOS
DRUMS ENG: L. MERRILL
DRAWN BY: E. LIPTRAP

SHEET TITLE
OVERVIEW
MAP



LEGEND	
EXISTING SANITARY SEWER MANHOLE	
EXISTING CLEANOUT	
EXISTING FIRE HYDRANT	
EXISTING SANITARY SEWER MAIN	
EXISTING WATER MAIN	
PROPOSED SANITARY SEWER MAIN	
PROPOSED MANHOLE	
EXISTING UTILITY POLE	
EDGE OF ROAD	

SEWER OBSERVATIONS

CO 2 TO MH 23

- 15 LF: 12% OVALITY AT JOINT
- 74 LF: 1" to 2" BULGE MINERALIZATION AT 12:00 POSITION
- 87 LF: 1" BULGE AT 11:00 POSITION
- 102 LF: 2"x4" HOLE WITH 1" to 2" SOIL PROTRUDING FROM 10:00 to 12:00 POSITION

MH 23 TO MH 22

- 3 LF: 2" OFFSET AT JOINT

MH 22 TO MH 21

- 24 LF: 2" to 3" DEBRIS
- 30 LF: 2"x4" POINT REPAIR WITH INFILTRATION DRIPPER AT 12:00 POSITION
- 31 LF: 1 to 2" OFFSET AT JOINT FROM 1:00 TO 5:00 POSITION
- 42 LF: 2" OFFSET AT JOINT FROM 7:00 TO 2:00 POSITION
- 42 LF to 44 LF: FRACTURE WITH INFILTRATION DRIPPER AT 2:00 POSITION

MH 21 TO MH 1

- 36 LF to 39 LF: 1" DEEP BELLY

MANHOLE OBSERVATIONS

MH 23

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

MH 22

- SURFACE CORROSION ON THE FRAME AND LID

MH 21

- SURFACE CORROSION ON THE FRAME AND LID
- GROUNDWATER INFLOWS AND ROOTS GROW THROUGH COVER AND THROUGHOUT MANHOLE

MH 1

- SURFACE CORROSION ON THE FRAME AND LID

CAPITAL COST ESTIMATE

ITEM	QUANTITY	COST ESTIMATE
8" SDR 17 HDPE PIPE	591 LF	\$177,300
MANHOLE, TYPE I, 48 IN	2 EACH	\$91,000
REPLACE MANHOLE FRAME AND LID	1 EACH	\$3,300
EXCAVATION	1493 CY	\$89,600
TOP SOIL AND SEEDING	927 SY	\$70,500
SEWER-MANHOLE CONNECTION	6 EACH	\$18,000
ASPHALT SURFACE AND BASE REPAIR	62 TON	\$56,200
DOT UTILITY PERMIT	1 EACH	\$10,000

CAPITAL IMPROVEMENT PROJECTS

CO 2 TO MH 23

- REPLACE EXISTING SEWER MAIN BETWEEN CO 2 AND MH 23 WITH 306 LF OF 8" SDR 17 HDPE PIPE AT A DEPTH OF 103". PROVIDE TEMPORARY SERVICE TO IMPACTED BUILDING. RESTORE DISTURBED GROUND

MH 23 TO MH 22

- REPLACE AND EXTEND THE EXISTING SEWER MAIN BETWEEN MH 23 AND THE NEW MH 22 WITH 157 LF OF 8" SDR17 HDPE PIPE AT A DEPTH OF 103". RESTORE DISTURBED GROUND

MH 22 TO MH 21

- ABANDON SEWER MAIN IN PLACE

MH 21 TO MH 1

- ABANDON SEWER MAIN IN PLACE

MH 21 TO MH 1

- CONSTRUCT A NEW SEWER MAIN WITH 128 LF OF 8" SDR 17 HDPE PIPE

MH 23

- REPLACE THE FRAME AND LID

MH 22

- REMOVE EXISTING MANHOLE. CONSTRUCT A NEW MANHOLE 10 LF CLOSER TO THE ROAD

MH 21

- ABANDON MANHOLE IN PLACE

MH 1

- REPLACE THE FRAME AND LID

CAPITAL COST ESTIMATE CONT.

ITEM	QUANTITY	COST ESTIMATE
UTILITY CONFLICT	3 EACH	\$300,000
SEWER SERVICE CONNECTION	1 EACH	\$9,600
TEMPORARY SEWER SERVICE CONNECTION	1 EACH	\$5,000
MANHOLE BYPASS	1 EACH	\$10,000
DEWATERING	1 EACH	\$10,000
ENGINEERING, DESIGN, AND PERMITTING	15%	\$127,600
ESTIMATING CONTINGENCY	15%	\$127,600
INFLATION CONTINGENCY	10%	\$85,000
CONTRACTOR ADMINISTRATION	20%	\$170,100
TOTAL		\$1,360,800



Division of Environmental Health and Engineering
4500 Diplomacy Drive
Anchorage, Alaska 99508
(907) 729-3600



0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING, IF NOT ADJUST SCALES ACCORDINGLY

SAXMAN INFLOW & INFILTRATION
CAPITAL IMPROVEMENT PROJECTS
SAXMAN, AK

MRK	DATE	DESCRIPTION	INIT

PLAN SET: 12-13-2024
PROJ MGR: C. NELSON
PROJ ENG: B. MJOS
DRUMS ENG: L. MERRILL
DRAWN BY: E. LIPTRAP
SHEET TITLE

CIP 1