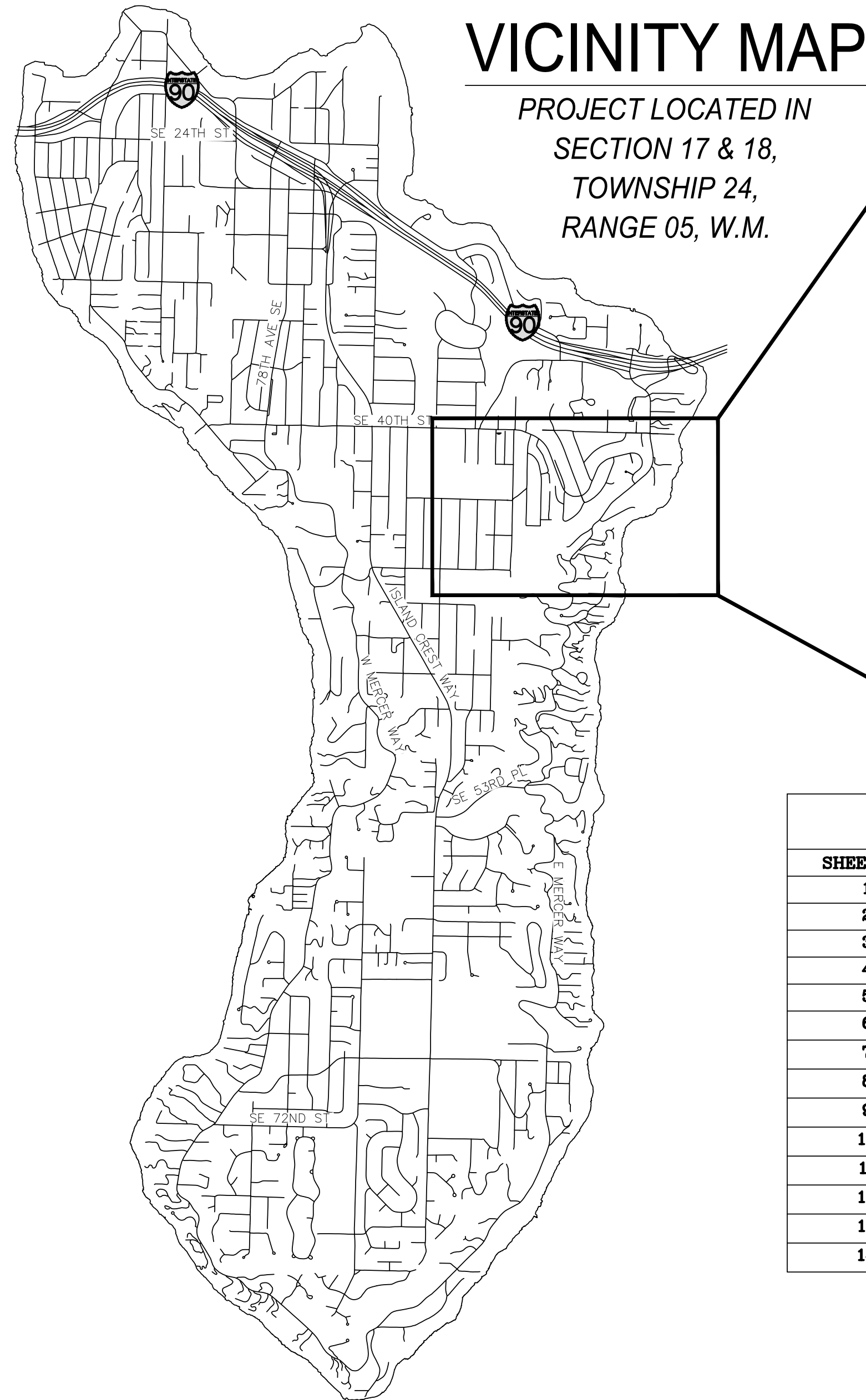


# BASIN 40 CIPP SEWER LINING PROJECT

## PHASE 2

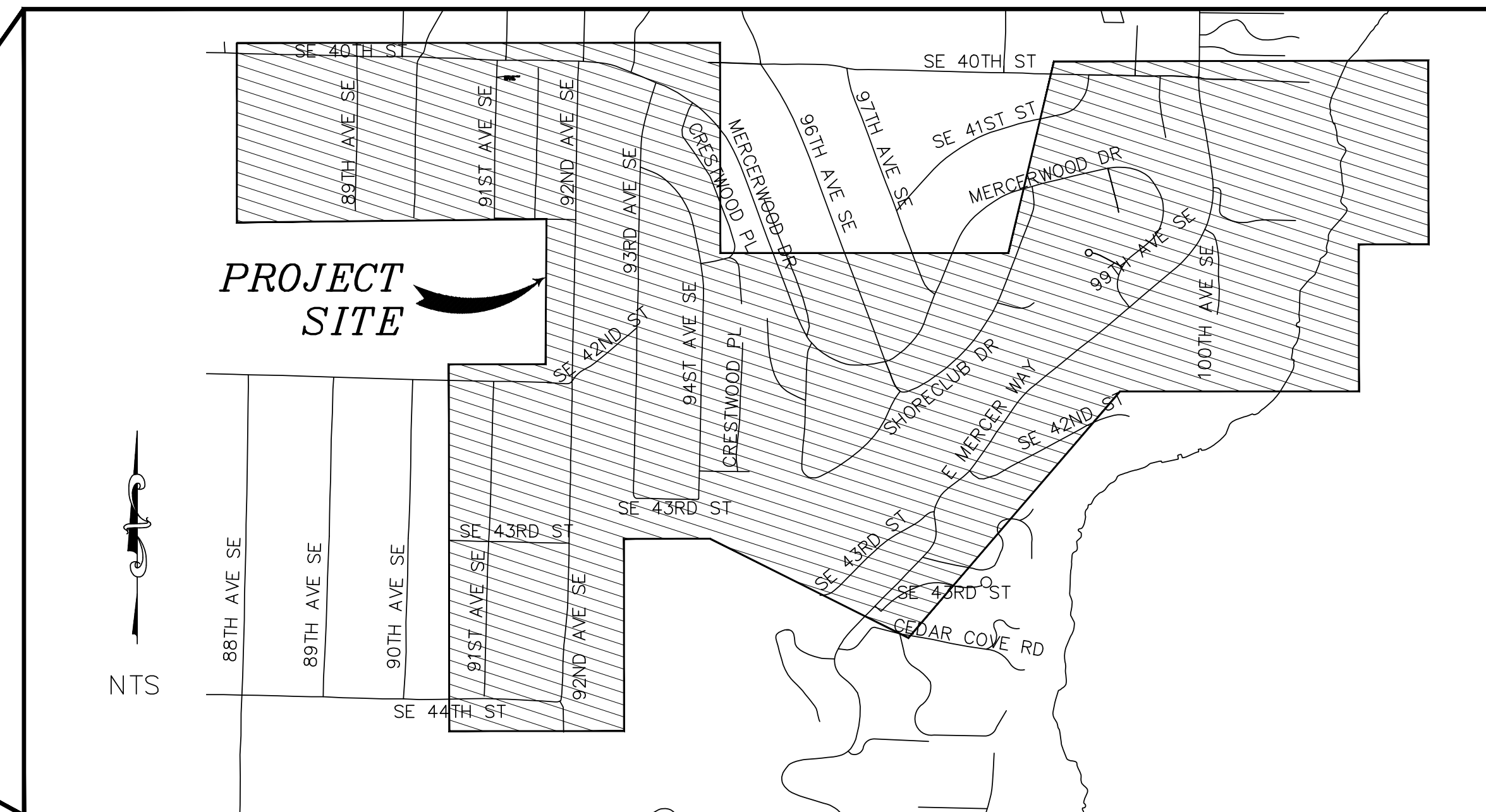
### MERCER ISLAND, WA

#### BID NO. 23-02

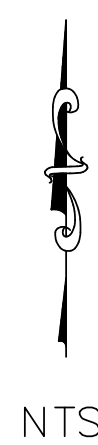


### VICINITY MAP

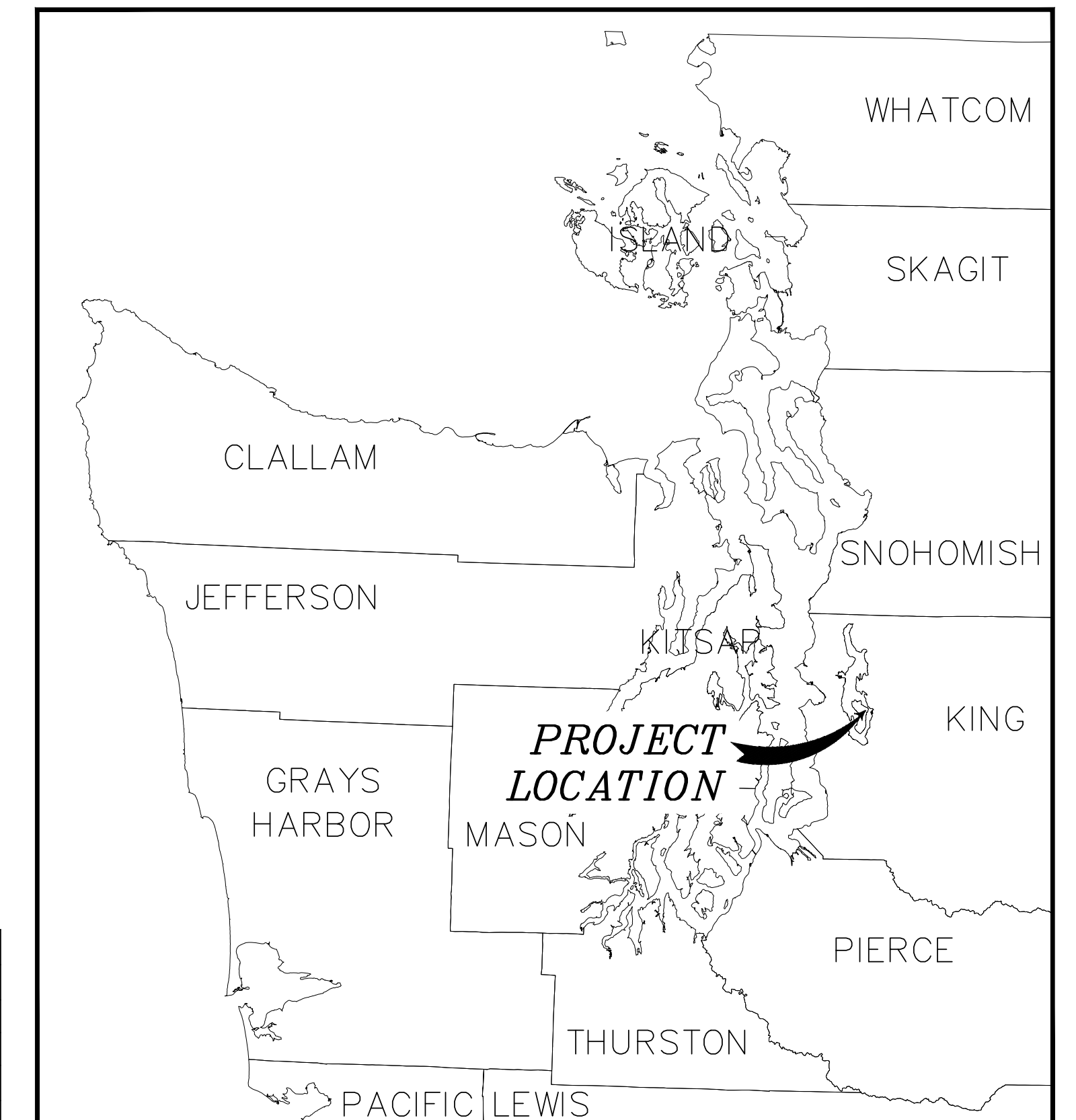
PROJECT LOCATED IN  
SECTION 17 & 18,  
TOWNSHIP 24,  
RANGE 05, W.M.



PROJECT SITE



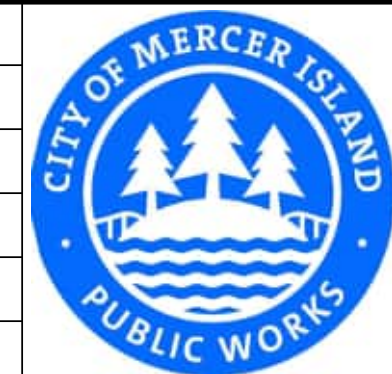
NTS



SHEET SERIES INDEX	
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4	STRUCTURE NOTES
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NO.	REVISION	BY	DATE



**R&E** Reichhardt & Ebe  
ENGINEERING INC  
P.O. Box 978 | 423 Front Street  
Lynden, WA 98264 (360) 354-3687

BID SET



CAD TECH:	J. NORMAN	SCALE: H:	N/A
CAD REVIEW:	T. BUYS	V:	N/A
DESIGNER:	J. ANDRESEN	DATE:	5/19/23
DESIGN REVIEW:	K. STAHELI	CITY BID#	23-02
SEC:	TWN	RNG	
17/18	T24N	R5E	

BASIN 40 CIPP  
SEWER LINING PROJECT-  
PHASE 2

COVER

1

1 of 28







**CIPP LINING SCHEDULE**

GIS REFERENCE	DOWNSTREAM MH	UPSTREAM MH	LENGTH (FT.)	DIAMETER (IN.)	PIPE MATERIAL	SEWER SERVICE CONNECTIONS	SERVICE CONNECTION SEALS (SCS)
SS-GM-40-2.1	40-3	40-2.1	107	8	VCP	0	0
SS-GM-40-2.2	40-2.1	40-2.2	178	8	VCP+ PVC	4	1
SS-GM-40-2.3	40-2.2	40-2.3	196	8	VCP	3	0
SS-GM-40-5	40-3	40-5	155	12	CONCRETE	0	0
SS-GM-40-6	40-5	40-6	185	10	CONCRETE	0	0
SS-GM-40-6.1	40-6	40-6.1	36	10	CONCRETE	1	1
SS-GM-40-8	40-7	40-8	183	8	CONCRETE	3	1
SS-GM-40-9	40-8	40-9	268	8	CONCRETE	1	1
SS-GM-40-10	40-9	40-10	168	8	CONCRETE	2	0
SS-GM-40-11	40-10	40-11	167	8	CONCRETE	0	0
SS-GM-40-12	40-11	40-12	272	8	CONCRETE	1	1
SS-GM-40-31	40-7	40-31	252	10	CONCRETE	1	0
SS-GM-40-32	40-31	40-32	150	8	CONCRETE	1	0
SS-GM-40-32.1	40-32.1	40-32	143	10	CONCRETE	1	0
SS-GM-40-32.2	40-32.1	40-32.2	267	8	CONCRETE	3	3
SS-GM-40-33	40-32	40-33	142	8	CONCRETE	2	1
SS-GM-40-34	40-33	40-34	176	8	CONCRETE	5	4
SS-GM-40-35	40-34	40-35	176	8	CONCRETE	3	3
SS-GM-40-40	40-39	40-40	69	8	VCP	0	0
SS-GM-40-41	40-40	40-41	121	8	VCP	0	0
SS-GM-40-47	40-46	40-47	180	8	CONCRETE	9	8
SS-GM-40-55	40-54	40-55	160	8	CONCRETE	0	0
SS-GM-40-56	40-55	40-56	199	8	CONCRETE	2	0
SS-GM-40-57	40-55	40-57	110	8	CONCRETE	1	0
SS-GM-40-58.2	40-58.1	40-58.2	49	8	CONCRETE	0	0
SS-GM-40-58.3	40-58.2	40-58.3	80	8	VCP	0	0
SS-GM-40-58.4	40-58.3	40-58.4	128	8	VCP	1	0
SS-GM-40-58.5	40-58.4	40-58.5	125	8	AC	0	0
SS-GM-40-58.6	40-58.5	40-58.6	271	8	AC	3	1
SS-GM-40-58.7	40-58.6	40-58.7	90	8	AC	1	0
SS-GM-40-64	40-63	40-64	330	8	CONCRETE	7	4
SS-GM-40-65	40-64	40-65	344	8	CONCRETE	4	4
SS-GM-40-67	40-65	40-67	345	8	CONCRETE	5	3
SS-GM-40-68	40-67	40-68	292	8	CONCRETE	2	0

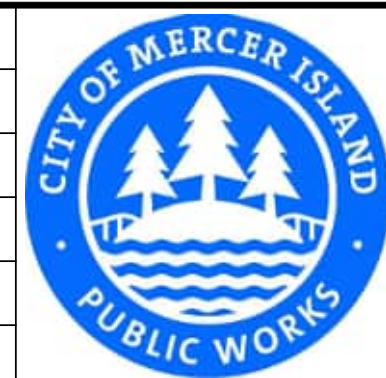
**CIPP LINING SCHEDULE CONT.**

GIS REFERENCE	DOWNSTREAM MH	UPSTREAM MH	LENGTH (FT.)	DIAMETER (IN.)	PIPE MATERIAL	SEWER SERVICE CONNECTIONS	SERVICE CONNECTION SEALS (SCS)
SS-GM-40-70	40-64	40-70	202	8	CONCRETE	2	0
SS-GM-40-71	40-70	40-71	256	8	CONCRETE	3	1
SS-GM-40-72	40-71	40-72	296	8	CONCRETE	5	4
SS-GM-40-73	40-72	40-73	437	8	CONCRETE	9	7
SS-GM-40-74	40-73	40-74	168	8	CONCRETE	2	1
SS-GM-40-76	40-75	40-76	270	8	CONCRETE	7	7
SS-GM-40-78	40-77	40-78	340	8	CONCRETE	4	3
SS-GM-40-79	40-78	40-79	302	8	CONCRETE	4	2
SS-GM-40-81	40-67	40-81	354	8	CONCRETE	4	3
SS-GM-40-82	40-81	40-82	405	8	CONCRETE	6	4
SS-GM-40-85	40-84	40-85	172	8	CONCRETE	8	3
SS-GM-40-86	40-88	40-86	328	8	CONCRETE	12	7
SS-GM-40-87	40-86	40-87	285	8	CONCRETE	7	5
SS-GM-40-87.1	40-87	40-87.1	277	8	CONCRETE	11	9
SS-GM-40-89	40-81	40-89	318	8	CONCRETE	0	0
SS-GM-40-91	40-90	40-91	198	8	CONCRETE	2	0
SS-GM-40-92	40-91	40-92	334	8	CONCRETE	8	3
SS-GM-40-94	40-93	40-94	303	8	CONCRETE	7	6
SS-GM-40-947	40-948	40-947	204	8	VCP+ PVC	4	0
SS-GM-40-948	40-949	40-948	32	8	PVC	0	0
SS-GM-40-949	40-950	40-949	11	8	PVC	1	1
SS-GM-40-950	40-951	40-950	62	8	VCP	0	0
SS-GM-40-951	40-953	40-951	320	8	VCP	4	1
SS-GM-40-952	40-953	40-952	45	8	DUCTILE IRON	1	1
SS-GM-40-953	40-2.3	40-953	144	8	VCP	1	0
8" PIPE: TOTAL SEGMENTS: 54			11,398 LF	TOTAL SERVICE CONNECTIONS OFF 8" MAIN:		175	112
10" PIPE: TOTAL SEGMENTS: 4			623 LF	TOTAL SERVICE CONNECTIONS OFF 10" MAIN:		3	1
12" PIPE: TOTAL SEGMENTS: 1			155 LF	TOTAL SERVICE CONNECTIONS OFF 12" MAIN:		0	0

**MH RIM ADJUSTMENT TABLE**

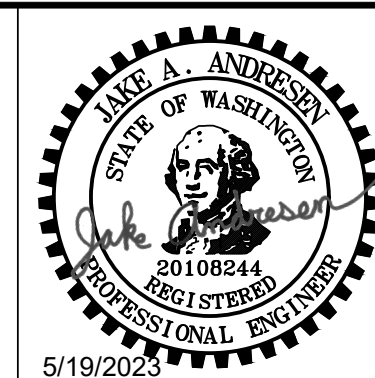
MH RIM ADJUSTMENT TABLE	
MH ID	ADD MH GRADE RING BY
40-2.1	0'-6"
40-2.2	0'-2"
40-2.3	0'-2"
40-950	0'-2"
40-951	0'-4"
40-952	0'-4"

NO.	REVISION	BY	DATE



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 Lynden, WA 98264 (360) 354-3687

**BID SET**



CAD TECH:	J. NORMAN	SCALE: H:	N/A
CAD REVIEW:	T. BUYS	V:	N/A
DESIGNER:	J. ANDRESEN	DATE:	5/19/23
DESIGN REVIEW:	K. STAHELI		
CITY BID#	23-02		
		SEC. TWN RNG	
		17/18 T24N R5E	

**BASIN 40 CIPP SEWER LINING PROJECT- PHASE 2**

**PIPE NOTES**



## SEWER STRUCTURE NOTES

EX SSMH 40-1  
RIM=20.68  
NW INV (IN)=12.93/12" DI (SS-GM-40-2A)  
SE INV (OUT)=12.93/8" DI (SS-GM-00113)

EX SSMH 40-2.1 (MISSING MEASURE DOWN)  
RIM=18.07  
N INV (IN)=0.00/8" CLAY (SS-GM-40-2.2)  
SW INV (IN)=0.00/8" CLAY (SS-GM-40-2.1)

EX SSMH 40-2.2  
RIM=17.54  
N INV (OUT)=13.71/8" CLAY (SS-GM-40-2.3)  
S INV (OUT)=13.71/8" CLAY (SS-GM-40-2.2)

EX SSMH 40-2.3  
RIM=18.60  
NE INV (IN)=11.68/8" CLAY (SS-GM-40-953)  
S INV (IN)=11.68/8" CLAY (SS-GM-40-2.3)

EX SSMH 40-3  
RIM=22.93  
NW INV (IN)=15.02/12" CONC (SS-GM-40-5)  
NE INV (OUT)=15.02/8" CLAY (SS-GM-40-2.1)  
SE INV (OUT)=15.02/12" DI (SS-GM-40-3)

EX SSMH 40-5  
RIM=31.97  
W INV (IN)=22.22/10" CONC (SS-GM-40-6)  
SE INV (OUT)=22.22/12" CONC (SS-GM-40-5)

EX SSMH 40-6  
RIM=67.13  
W INV (IN)=58.88/10" CONC (SS-GM-40-6.1)  
E INV (OUT)=58.88/10" CONC (SS-GM-40-6)

EX SSMH 40-6.1  
RIM=71.32  
NW INV (OUT)=59.16/10" CONC (SS-GM-40-6.2)  
E INV (OUT)=59.16/10" CONC (SS-GM-40-6.1)

EX SSMH 40-6.2 (MISSING MEASURE DOWN)  
RIM=82.67  
NW INV (IN)=0.00/10" CONC (SS-GM-40-7)  
SE INV (IN)=0.00/10" CONC (SS-GM-40-6.2)

EX SSMH 40-7  
RIM=106.29  
SW INV (IN)=91.04/10" CONC (SS-GM-40-31)  
NE INV (IN)=91.04/8" CONC (SS-GM-40-8)  
SE INV (OUT)=91.04/10" CONC (SS-GM-40-7)

EX SSMH 40-8  
RIM=106.41  
N INV (IN)=97.74/8" CONC (SS-GM-40-9)  
SW INV (OUT)=97.74/8" CONC (SS-GM-40-8)

EX SSMH 40-9  
RIM=131.67  
N INV (IN)=112.34/8" CONC (SS-GM-40-10)  
S INV (OUT)=112.34/8" CONC (SS-GM-40-9)

EX SSMH 40-10  
RIM=130.31  
N INV (IN)=112.64/8" CONC (SS-GM-40-11)  
S INV (OUT)=112.64/8" CONC (SS-GM-40-10)

EX SSMH 40-11  
RIM=126.82  
N INV (IN)=112.90/8" CONC (SS-GM-40-12)  
S INV (OUT)=112.90/8" CONC (SS-GM-40-11)

EX SSMH 40-12  
RIM=124.78  
W INV (IN)=114.78/8" CONC (SS-GM-40-13)  
N INV (IN)=114.78/8" CONC (SS-GM-40-12.1)  
S INV (OUT)=114.78/8" CONC (SS-GM-40-12)

EX SSMH 40-13  
RIM=127.19  
W INV (IN)=122.61/8" CONC (SS-GM-40-14)  
E INV (OUT)=122.61/8" CONC (SS-GM-40-13)

EX SSMH 40-14  
RIM=134.08  
W INV (IN)=126.08/8" CONC (SS-GM-40-15)  
SW INV (IN)=126.08/8" CONC (SS-GM-40-18)  
E INV (OUT)=126.08/8" CONC (SS-GM-40-14)

EX SSMH 40-18  
RIM=142.75  
W INV (IN)=136.33/8" CONC (SS-GM-40-19)  
NE INV (OUT)=136.33/8" CONC (SS-GM-40-18)

EX SSMH 40-23  
RIM=210.88  
N INV (OUT)=203.13/8" CONC (SS-GM-40-23)

EX SSMH 40-28  
RIM=209.09  
S INV (IN)=199.09/8" CONC (SS-GM-40-28.1)  
N INV (OUT)=199.09/8" CONC (SS-GM-40-28)

EX SSMH 40-31  
RIM=118.01  
NW INV (IN)=112.84/8" CONC (SS-GM-40-32)  
NE INV (OUT)=112.84/10" CONC (SS-GM-40-31)

EX SSMH 40-32  
RIM=137.63  
NE INV (IN)=125.21/10" CONC (SS-GM-40-32.1)  
NW INV (IN)=125.21/8" CONC (SS-GM-40-33)  
SW INV (IN)=125.21/8" CONC (SS-GM-40-36)  
SE INV (OUT)=125.21/8" CONC (SS-GM-40-32)

EX SSMH 40-32.1  
RIM=134.35  
NW INV (IN)=125.60/8" CONC (SS-GM-40-44)  
NE INV (IN)=125.60/8" CONC (SS-GM-40-32.2)  
SW INV (OUT)=125.60/10" CONC (SS-GM-40-32.1)

EX SSMH 40-32.2  
RIM=132.36  
SW INV (OUT)=126.77/8" CONC (SS-GM-40-32.2)

EX SSMH 40-33  
RIM=166.87  
W INV (IN)=160.87/8" CONC (SS-GM-40-34)  
SE INV (OUT)=160.87/8" CONC (SS-GM-40-33)

EX SSMH 40-34  
RIM=202.50  
W INV (IN)=189.75/8" CONC (SS-GM-40-35)  
E INV (OUT)=189.75/8" CONC (SS-GM-40-34)

EX SSMH 40-35  
RIM=230.24  
SW INV (IN)=219.08/6" CONC (SS-LL-00248)  
E INV (OUT)=219.08/8" CONC (SS-GM-40-35)

EX SSMH 40-36  
RIM=134.92  
NE INV (OUT)=126.33/8" CONC (SS-GM-40-36)  
SW INV (OUT)=126.33/8" CONC (SS-GM-40-37)

EX SSMH 40-37  
RIM=131.94  
NE INV (IN)=124.11/8" CONC (SS-GM-40-37)  
SW INV (IN)=124.11/8" CONC (SS-GM-40-38)

EX SSMH 40-38  
RIM=132.68  
NE INV (OUT)=125.68/8" CONC (SS-GM-40-38)  
SW INV (OUT)=125.68/8" CONC (SS-GM-40-39)

EX SSMH 40-39  
RIM=131.34  
NE INV (IN)=122.51/8" CONC (SS-GM-40-39)  
S INV (IN)=122.51/8" CLAY (SS-GM-40-40)

EX SSMH 40-40  
RIM=133.53  
N INV (OUT)=126.86/8" CLAY (SS-GM-40-40)  
S INV (OUT)=126.86/8" CLAY (SS-GM-40-41)

EX SSMH 40-41  
RIM=131.83  
N INV (IN)=124.91/8" CLAY (SS-GM-40-41)  
SW INV (IN)=124.91/8" CLAY (SS-GM-40-42)

EX SSMH 40-42  
RIM=133.27  
SW INV (IN)=127.27/8" CLAY (SS-GM-40-43A)  
NE INV (OUT)=127.27/8" CLAY (SS-GM-40-42)

EX SSMH 40-44  
RIM=135.82  
N INV (IN)=130.16/8" CONC (SS-GM-40-45)  
SE INV (OUT)=130.16/8" CONC (SS-GM-40-44)

EX SSMH 40-45  
RIM=147.77  
NE INV (IN)=140.77/8" CONC (SS-GM-40-48)  
NW INV (IN)=140.77/8" CONC (SS-GM-40-46)  
S INV (OUT)=140.77/8" CONC (SS-GM-40-45)

EX SSMH 40-46  
RIM=168.78  
NW INV (IN)=157.03/8" CONC (SS-GM-40-47)  
SE INV (OUT)=157.03/8" CONC (SS-GM-40-46)

EX SSMH 40-47  
RIM=194.90  
SE INV (OUT)=185.24/8" CONC (SS-GM-40-47)

EX SSMH 40-48  
RIM=162.31  
N INV (IN)=154.65/8" CONC (SS-GM-40-49)  
SW INV (OUT)=154.65/8" CONC (SS-GM-40-48)

EX SSMH 40-49  
RIM=165.38  
W INV (IN)=155.71/8" CONC (SS-GM-40-50)  
S INV (OUT)=155.71/8" CONC (SS-GM-40-49)

EX SSMH 40-50  
RIM=175.50  
W INV (IN)=165.50/8" CONC (SS-GM-40-51)  
E INV (OUT)=165.50/8" CONC (SS-GM-40-50)

EX SSMH 40-53  
RIM=227.87  
SW INV (IN)=223.30/8" CONC (SS-GM-40-54)  
N INV (OUT)=214.62/8" CONC (SS-GM-40-53)

EX SSMH 40-54  
RIM=229.40  
W INV (IN)=216.65/8" CONC (SS-GM-40-58)  
S INV (IN)=216.65/8" CONC (SS-GM-40-55)  
NE INV (OUT)=224.81/8" CONC (SS-GM-40-54)

EX SSMH 40-55  
RIM=236.65  
SW INV (IN)=224.11/8" CONC (SS-GM-40-57)  
NE INV (IN)=224.11/8" CONC (SS-GM-40-56)  
NW INV (IN)=224.11/6" AC (SS-LL-00250)  
N INV (OUT)=224.11/8" CONC (SS-GM-40-55)

EX SSMH 40-56  
RIM=240.09  
SW INV (OUT)=230.09/8" CONC (SS-GM-40-56)

EX SSMH 40-57  
RIM=238.98  
SW INV (IN)=227.73/8" CONC (SS-GM-40-57.1)  
NE INV (OUT)=227.73/8" CONC (SS-GM-40-57)

EX SSMH 40-58  
RIM=238.18  
NW INV (IN)=223.66/8" CONC (SS-GM-40-58.1)  
S INV (IN)=223.66/8" AC (SS-LL-00251)  
E INV (OUT)=223.66/8" CONC (SS-GM-40-58)

EX SSMH 40-58.1  
RIM=237.66  
NW INV (IN)=228.58/8" CONC (SS-GM-40-59)  
SW INV (IN)=228.58/8" CONC (SS-GM-40-58.2)  
SE INV (OUT)=228.58/8" CONC (SS-GM-40-58.1)

EX SSMH 40-58.2  
RIM=242.70  
SW INV (IN)=236.95/8" CLAY (SS-GM-40-58.3)  
NE INV (OUT)=236.95/8" CONC (SS-GM-40-58.2)

EX SSMH 40-58.3  
RIM=260.64  
S INV (IN)=248.43/8" CLAY (SS-GM-40-58.4)  
W INV (IN)=248.43/6" AC (SS-LL-08175)  
NE INV (OUT)=248.43/8" CLAY (SS-GM-40-58.3)

EX SSMH 40-58.4  
RIM=265.09  
NW INV (IN)=256.76/8" AC (SS-GM-40-58.5)  
N INV (OUT)=256.76/8" CLAY (SS-GM-40-58.4)  
S INV (OUT)=256.76/8" CLAY (SS-GM-40-58.41)

EX SSMH 40-58.5  
RIM=280.68  
N INV (IN)=273.18/8" AC (SS-GM-40-58.6)  
SE INV (OUT)=273.18/8" AC (SS-GM-40-58.5)

EX SSMH 40-58.6  
RIM=289.06  
N INV (IN)=281.81/8" AC (SS-GM-40-58.7)  
S INV (OUT)=281.81/8" AC (SS-GM-40-58.6)

EX SSMH 40-58.7  
RIM=289.87  
S INV (OUT)=285.03/8" AC (SS-GM-40-58.7)

EX SSMH 40-58.42  
RIM=283.19  
N INV (OUT)=274.53/8" CLAY (SS-GM-40-58.42)

EX SSMH 40-59  
RIM=251.72  
N INV (IN)=242.47/8" CONC (SS-GM-40-60)  
S INV (IN)=242.47/6" AC (SS-LL-00254)  
SE INV (OUT)=242.47/8" CONC (SS-GM-40-59)

EX SSMH 40-63  
RIM=304.05  
W INV (IN)=292.05/8" CONC (SS-GM-40-77)  
S INV (IN)=292.05/8" CONC (SS-GM-40-64)  
SE INV (OUT)=292.05/8" CONC (SS-GM-40-63)

EX SSMH 40-64  
RIM=319.36  
S INV (IN)=310.94/8" CONC (SS-GM-40-65)  
SE INV (IN)=310.94/8" CONC (SS-GM-40-70)  
N INV (OUT)=310.94/8" CONC (SS-GM-40-64)

EX SSMH 40-65  
RIM=327.76  
S INV (IN)=318.26/8" CONC (SS-GM-40-67)  
N INV (OUT)=318.26/8" CONC (SS-GM-40-65)

EX SSMH 40-67  
RIM=334.26  
SW INV (IN)=325.26/8" CONC (SS-GM-40-81)  
S INV (IN)=325.26/8" CONC (SS-GM-40-68)  
N INV (OUT)=325.26/8" CONC (SS-GM-40-67)

EX SSMH 40-68  
RIM=338.73  
S INV (IN)=328.56/8" CONC (SS-GM-40-69)  
N INV (OUT)=328.56/8" CONC (SS-GM-40-68)

EX SSMH 40-69  
RIM=341.98  
S INV (IN)=332.81/8" AC (SS-GM-40-69.1)  
N INV (OUT)=332.81/8" CONC (SS-GM-40-69)

EX SSMH 40-70  
RIM=322.31  
SE INV (IN)=316.31/8" CONC (SS-GM-40-71)  
NW INV (OUT)=316.31/8" CONC (SS-GM-40-70)

EX SSMH 40-71  
RIM=327.30  
S INV (IN)=319.30/8" CONC (SS-GM-40-72)  
NW INV (OUT)=319.30/8" CONC (SS-GM-40-71)

EX SSMH 40-72  
RIM=332.61  
S INV (IN)=322.52/8" CONC (SS-GM-40-73)  
N INV (OUT)=322.52/8" CONC (SS-GM-40-72)

EX SSMH 40-73  
RIM=338.39  
S INV (IN)=326.89/8" CONC (SS-GM-40-74)  
N INV (OUT)=326.89/8" CONC (SS-GM-40-73)

EX SSMH 40-74  
RIM=338.13  
S INV (IN)=327.72/8" CONC (SS-GM-40-75)  
N INV (OUT)=327.72/8" CONC (SS-GM-40-74)

EX SSMH 40-75  
RIM=338.35  
W INV (IN)=329.35/8" CONC (SS-GM-40-76)  
N INV (OUT)=329.35/8" CONC (SS-GM-40-75)

EX SSMH 40-76  
RIM=346.03  
W INV (IN)=329.57/6" AC (SS-LL-08095)  
E INV (OUT)=329.57/8" CONC (SS-GM-40-76)

EX SSMH 40-77  
RIM=302.55  
W INV (IN)=294.13/8" CONC (SS-GM-40-90)  
S INV (IN)=294.13/8" CONC (SS-GM-40-78)  
E INV (OUT)=294.13/8" CONC (SS-GM-40-77)

EX SSMH 40-78  
RIM=317.13  
S INV (IN)=308.63/8" CONC (SS-GM-40-79)  
N INV (OUT)=308.63/8" CONC (SS-GM-40-78)

EX SSMH 40-79  
RIM=331.39  
S INV (IN)=321.64/8" CONC (SS-GM-40-80)  
W INV (IN)=321.64/8" AC (SS-GM-40-79.1)  
SW INV (IN)=0.00/8" AC (SS-LL-00256)  
N INV (OUT)=321.64/8" CONC (SS-GM-40-79)

EX SSMH 40-81  
RIM=348.60  
W INV (IN)=339.60/8" CONC (SS-GM-40-89)  
S INV (IN)=339.60/8" CONC (SS-GM-40-82)  
NE INV (OUT)=339.60/8" CONC (SS-GM-40-81)

EX SSMH 40-82  
RIM=358.65  
S INV (IN)=349.65/8" CONC (SS-GM-40-83)  
N INV (OUT)=349.65/8" CONC (SS-GM-40-82)

EX SSMH 40-83  
RIM=362.99  
S INV (IN)=351.99/8" CONC (SS-GM-40-84)  
W INV (IN)=0.00/8" AC (SS-GM-40.83.2)  
N INV (OUT)=351.99/8" CONC (SS-GM-40-83)

EX SSMH 40-84  
RIM=366.44  
S INV (IN)=355.02/8" CONC (SS-GM-40-85)  
N INV (OUT)=355.02/8" CONC (SS-GM-40-84)

EX SSMH 40-85  
RIM=367.32  
N INV (OUT)=355.91/8" CONC (SS-GM-40-85)

EX SSMH 40-86  
RIM=367.18  
S INV (IN)=351.10/8" CONC (SS-GM-40-87)  
N INV (OUT)=351.10/8" CONC (SS-GM-40-86)

EX SSMH 40-87  
RIM=368.30  
S INV (IN)=355.30/8" CONC (SS-GM-40-87.1)  
N INV (OUT)=355.30/8" CONC (SS-GM-40-87)

EX SSMH 40-87.1  
RIM=365.60  
N INV (OUT)=356.18/8" CONC (SS-GM-40-87.1)

EX SSMH 40-88  
RIM=364.23  
S INV (IN)=350.23/8" CONC (SS-GM-40-86)  
N INV (OUT)=359.62/8" CONC (SS-GM-40-88)

EX SSMH 40-89  
RIM=360.45  
S INV (IN)=348.28/8" CONC (SS-GM-40-88)  
E INV (OUT)=348.28/8" CONC (SS-GM-40-89)  
N INV (OUT)=348.28/8" AC (SS-GM-40-89.1)

EX SSMH 40-89.3  
RIM=354.03  
W INV (OUT)=352.45/8" AC (SS-GM-40-89.3)

EX SSMH 40-90  
RIM=311.06  
W INV (IN)=294.98/8" CONC (SS-GM-40-93)  
S INV (IN)=294.98/8" CONC (SS-GM-40-91)  
E INV (OUT)=294.98/8" CONC (SS-GM-40-90)

EX SSMH 40-91  
RIM=325.52  
S INV (IN)=316.35/8" CONC (SS-GM-40-92)  
N INV (OUT)=316.35/8" CONC (SS-GM-40-91)

EX SSMH 40-92  
RIM=343.37  
S INV (IN)=330.45/8" CONC (SS-LL-08185)  
N INV (OUT)=330.45/8" CONC (SS-GM-40-92)

EX SSMH 40-93  
RIM=303.91  
W INV (IN)=297.16/8" CONC (SS-GM-40-99 (2))  
S INV (IN)=297.16/8" CONC (SS-GM-40-94)  
E INV (OUT)=297.16/8" CONC (SS-GM-40-93)

EX SSMH 40-94  
RIM=323.88  
S INV (IN)=314.38/8" CONC (SS-GM-40-95)  
N INV (OUT)=314.38/8" CONC (SS-GM-40-94)

EX SSMH 40-95  
RIM=340.56  
S INV (IN)=332.31/6" CONC (SS-LL-08186)  
N INV (OUT)=332.31/8" CONC (SS-GM-40-95)

EX SSMH 40-96  
RIM=316.53  
S INV (IN)=302.94/8" CONC (SS-GM-40-97)  
N INV (OUT)=302.94/8" CONC (SS-GM-40-96)

EX SSMH 40-97  
RIM=326.21  
S INV (IN)=318.04/8" CONC (SS-GM-40-98)  
N INV (OUT)=318.04/8" CONC (SS-GM-40-97)

EX SSMH 40-98  
RIM=338.13  
S INV (IN)=324.55/8" CONC (SS-LL-08187)  
N INV (OUT)=324.55/8" CONC (SS-GM-40-98)

EX SSMH 40-99  
RIM=316.33  
W INV (IN)=304.50/8" CONC (SS-GM-40-100)  
E INV (OUT)=304.05/8" CONC (SS-GM-40-99)

EX SSMH 40-100  
RIM=314.06  
S INV (IN)=305.06/8" CONC (SS-GM-40-101)  
E INV (OUT)=305.06/8" CONC (SS-GM-40-100)

EX SSMH 40-101  
RIM=310.59  
E INV (IN)=305.67/8" CONC (SS-GM-40-101.A)  
N INV (OUT)=305.67/8" CONC (SS-GM-40-101)

EX SSCO 40-101.1  
RIM=311.13  
W INV (OUT)=309.55/8" CONC (SS-GM-40-101.A)

EX SSCO 40-102  
RIM=174.47  
SE INV (OUT)=172.89/8" CONC (SS-GM-40-102)  
NW INV (OUT)=4.40/6" CONC (SS-GM-40-103)

EX SSMH 40-103  
RIM=188.06  
NW INV (IN)=176.89/8" CONC (SS-LL-08594)

EX SSMH 40-947  
RIM=66.93  
E INV (OUT)=61.10/8" CLAY (SS-GM-40-947)

EX SSMH 40-948  
RIM=23.63  
W INV (IN)=18.30/8" CLAY (SS-GM-40-947)  
S INV (OUT)=18.30/8" PVC (SS-GM-40-948)

EX SSMH 40-949  
RIM=23.24  
E INV (IN)=0.00/8" PVC (SS-GM-40-949)  
N INV (IN)=0.00/8" PVC (SS-GM-40-948)

EX SSMH 40-950  
RIM=22.56  
SE INV (IN)=0.00/8" AC (SS-GM-40-950)  
W INV (IN)=0.00/8" PVC (SS-GM-40-949)

EX SSMH 40-951  
RIM=20.44  
S INV (IN)=0.00/8" CLAY (SS-GM-40-951)  
NW INV (IN)=0.00/8" AC (SS-GM-40-950)

EX SSCO 40-952  
RIM=30.31  
W INV (IN)=25.06/8" AC (SS-GM-40-952.A)  
E INV (OUT)=25.06/8" DI (SS-GM-40-952)

EX SSMH 40-952A  
RIM=30.31  
E INV (IN)=25.06/8" AC (SS-GM-40-952.A)

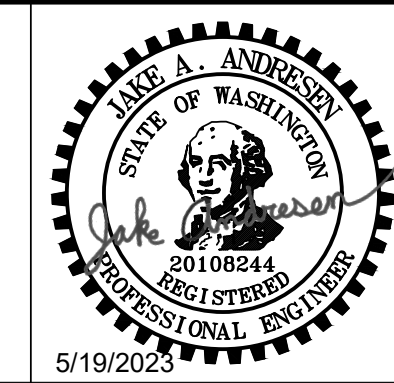
EX SSMH 40-953  
RIM=18.80  
W INV (IN)=13.00/8" DI (SS-GM-40-952)  
N INV (OUT)=13.00/8" CLAY (SS-GM-40-951)  
SW INV (OUT)=13.00/8" CLAY (SS-GM-40-953)

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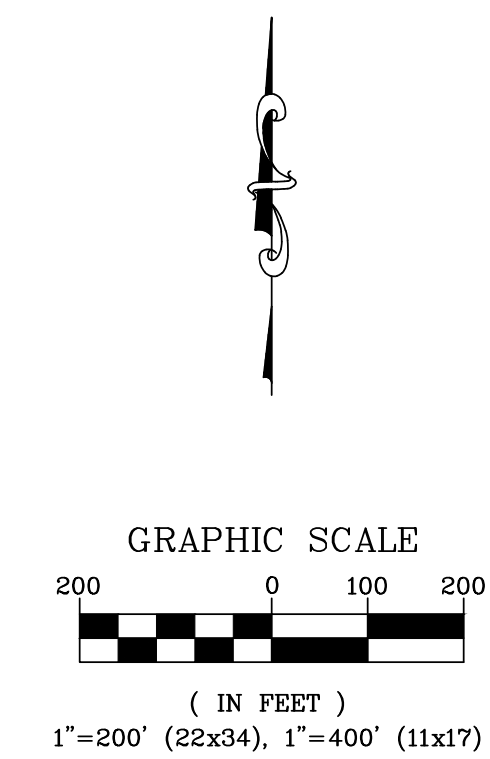
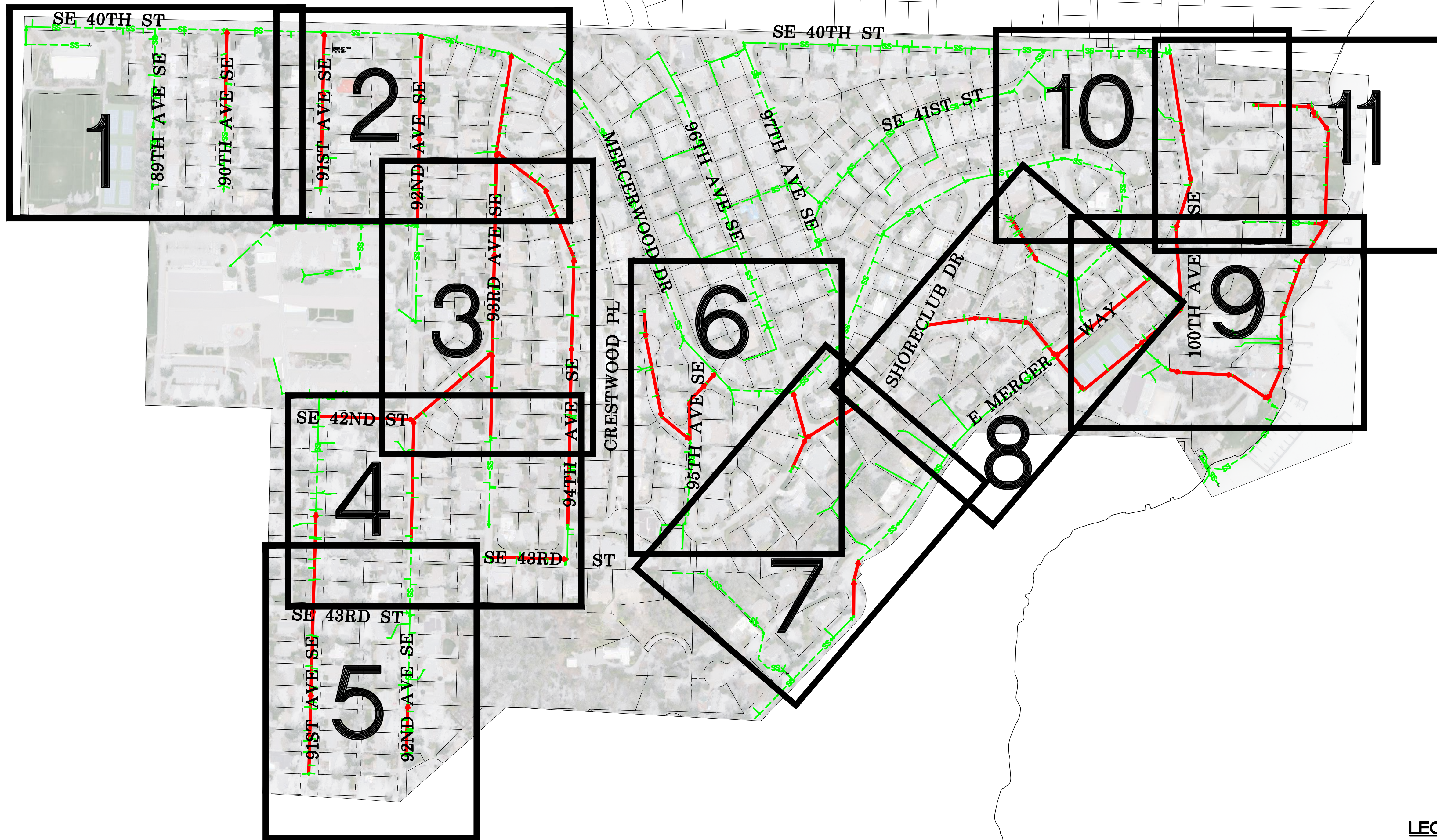


CAD TECH:	J. NORMAN	SCALE:	H: N/A
CAD REVIEW:	T. BUYS		V: N/A
DESIGNER:	J. ANDRESEN		
DESIGN REVIEW:	K. STAHELI	DATE:	5/19/23
CITY BID#	23-02		
		SEC.	TWN R5E

**BASIN 40 CIPP  
SEWER LINING PROJECT-  
PHASE 2**

**STRUCTURE NOTES**





**LEGEND:**

— = EXISTING SEWER MAIN TO BE LINED WITH CIPP

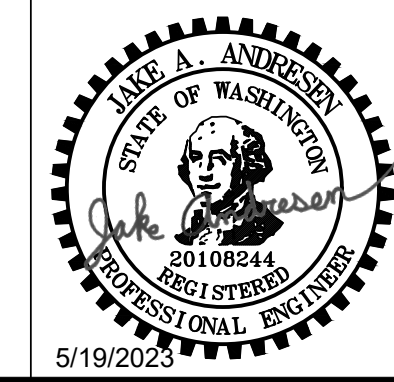
— = EXISTING SEWER SYSTEM

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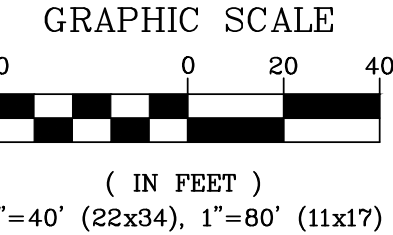


CAD TECH:	J. NORMAN	SCALE: H:	1"=200'
CAD REVIEW:	T. BUYS	V:	N/A
DESIGNER:	J. ANDRESEN	DATE:	5/19/23
DESIGN REVIEW:	K. STAHELI	CITY BID#	23-02
SEC:	TWN:	RNG:	
17/18	T24N	R5E	

**BASIN 40 CIPP SEWER LINING PROJECT- PHASE 2**

**SITE KEY MAP**





**LEGEND:**

- = EXISTING SEWER MAIN TO BE LINED WITH CIPP
- - - = EXISTING SEWER MAIN
- = EXISTING SEWER LATERAL
- - - = PROPERTY LINE
- = EXISTING MANHOLE
- ▶ = FLOW DIRECTION

PIPE TABLE			
GIS REFERENCE #	LENGTH	SIZE	MATERIAL
SS-GM-40-94	303 LF	8"	CONC

- CONSTRUCTION NOTES:
- VERIFY LOCATION AND NUMBER OF ALL SEWER SERVICES.
  - THE LOCATION OF EXISTING SEWER MANHOLES, SEWER MAINS, AND SEWER SERVICES ARE APPROXIMATE.
  - WHERE WORK IS TO BE PERFORMED OUTSIDE OF PUBLIC RIGHTS-OF-WAY, THE CONTRACTOR SHALL ADHERE TO THE LIMITATIONS OF CITY EASEMENTS
  - THE DIAMETER OF SERVICE CONNECTION SEALS IS 6", UNLESS OTHERWISE NOTED.

- KEY NOTES:
- INSTALL SERVICE CONNECTION SEAL.
  - REINSTATE LATERAL
  - ABANDON LATERAL. DO NOT REINSTATE. CONFIRM ALL ABANDONED LATERALS WITH CITY AFTER PRE-CCTV INSPECTIONS.



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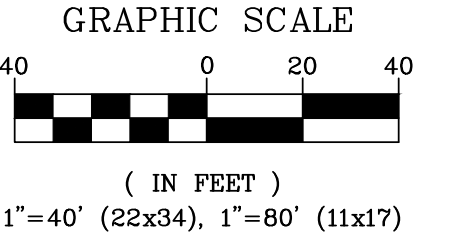
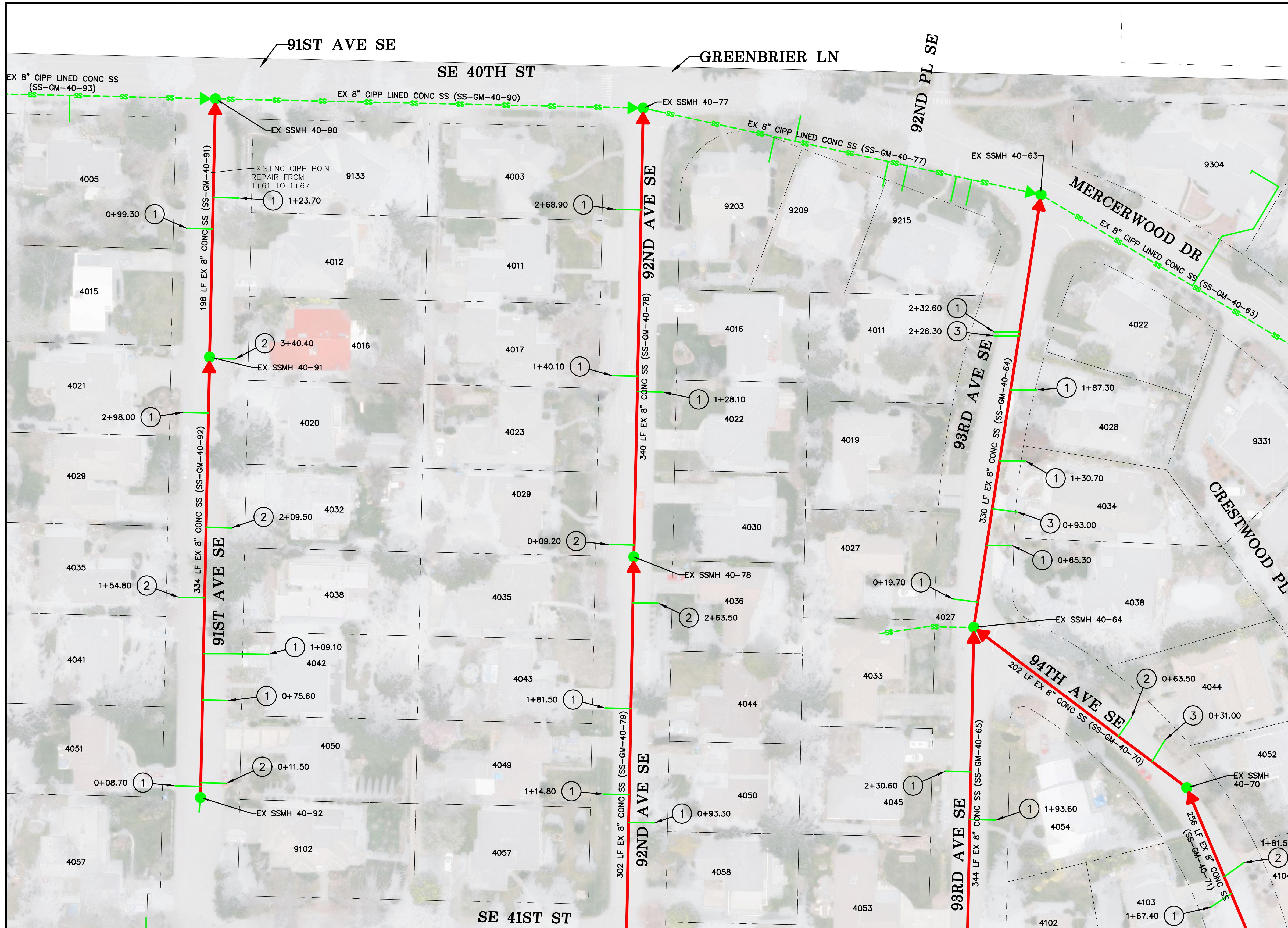


CAD TECH:	J. NORMAN	SCALE: H:	1"=40'
CAD REVIEW:	T. BUYS	V:	N/A
DESIGNER:	J. ANDRESEN	DATE:	5/19/23
DESIGN REVIEW:	K. STAHELI	CITY BID#	23-02
SEC.	TWN	RNG	
17/18	T24N	R5E	

**BASIN 40 CIPP  
SEWER LINING PROJECT-  
PHASE 2**

**SEWER PLAN (1)**





**LEGEND:**

- = EXISTING SEWER MAIN TO BE LINED WITH CIPP
- - - = EXISTING SEWER MAIN
- = EXISTING SEWER LATERAL
- - - = PROPERTY LINE
- = EXISTING MANHOLE
- ▶ = FLOW DIRECTION

PIPE TABLE			
GIS REFERENCE #	LENGTH	SIZE	MATERIAL
SS-GM-40-64	330 LF	8"	CONC
SS-GM-40-65	344 LF	8"	CONC
SS-GM-40-70	202 LF	8"	CONC
SS-GM-40-71	256 LF	8"	CONC
SS-GM-40-78	340 LF	8"	CONC
SS-GM-40-79	302 LF	8"	CONC
SS-GM-40-91	198 LF	8"	CONC
SS-GM-40-92	334 LF	8"	CONC

- CONSTRUCTION NOTES:**
- VERIFY LOCATION AND NUMBER OF ALL SEWER SERVICES.
  - THE LOCATION OF EXISTING SEWER MANHOLES, SEWER MAINS, AND SEWER SERVICES ARE APPROXIMATE.
  - WHERE WORK IS TO BE PERFORMED OUTSIDE OF PUBLIC RIGHTS-OF-WAY, THE CONTRACTOR SHALL ADHERE TO THE LIMITATIONS OF CITY EASEMENTS
  - THE DIAMETER OF SERVICE CONNECTION SEALS IS 6", UNLESS OTHERWISE NOTED.

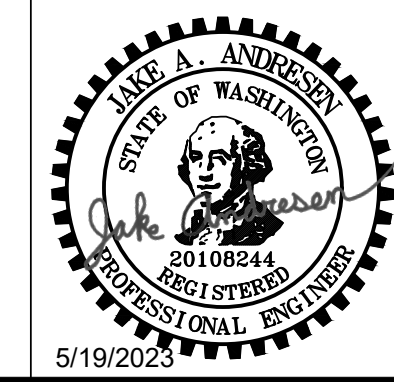
- KEY NOTES:**
- ① INSTALL SERVICE CONNECTION SEAL.
  - ② REINSTATE LATERAL
  - ③ ABANDON LATERAL. DO NOT REINSTATE. CONFIRM ALL ABANDONED LATERALS WITH CITY AFTER PRE-CCTV INSPECTIONS.

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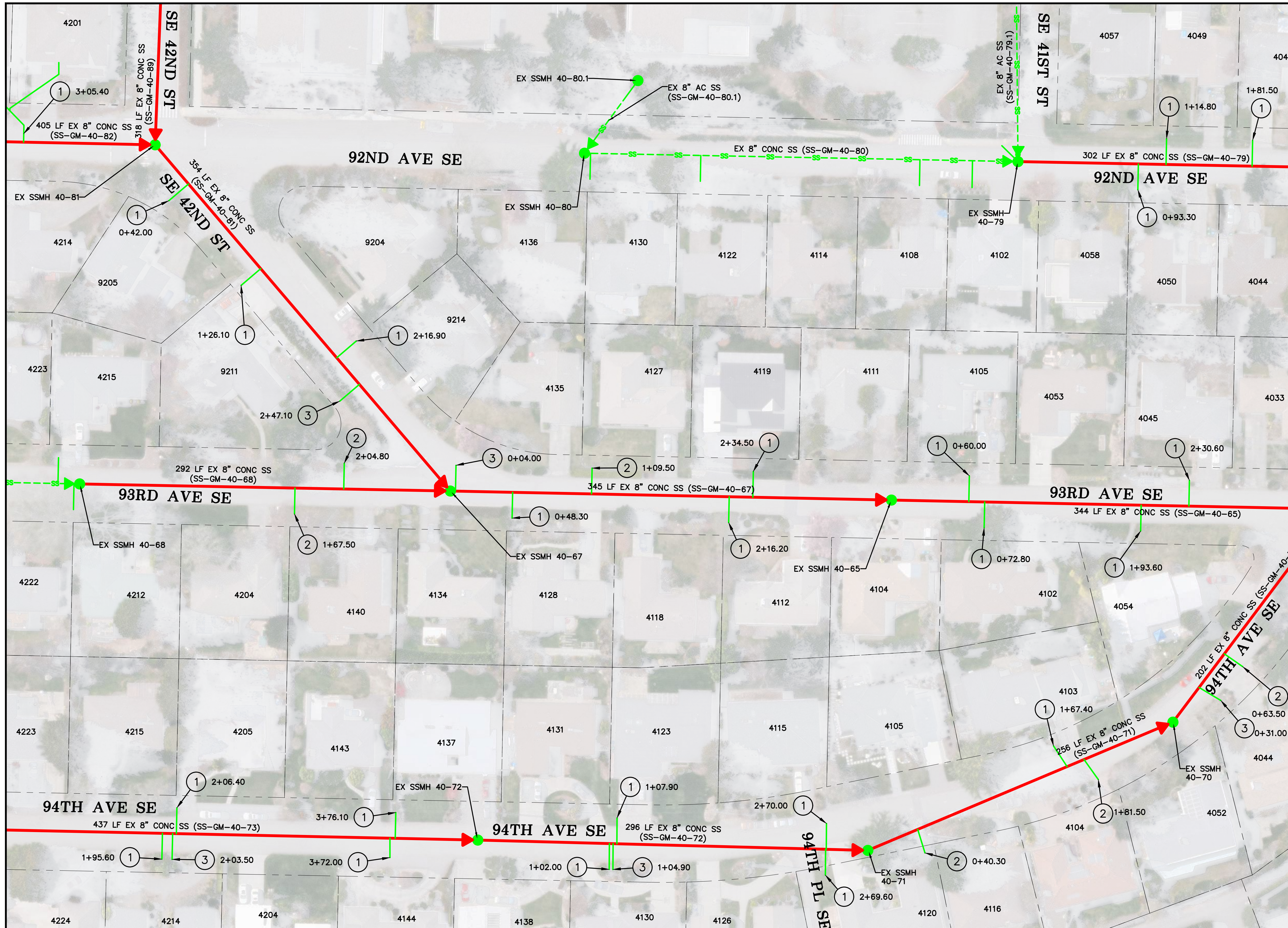


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DESIGNER:	J. ANDRESEN	DATE:	5/19/23
DESIGN REVIEW:	K. STAHELI	CITY BID#	23-02
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17/18	T24N	R5E	

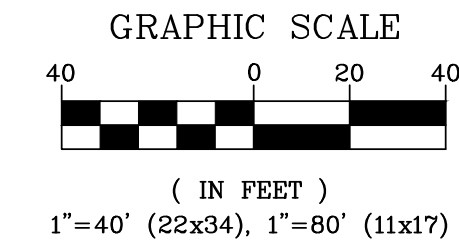
**BASIN 40 CIPP SEWER LINING PROJECT-PHASE 2**

**SEWER PLAN (2)**





Know what's below.  
Call before you dig.



**LEGEND:**

- = EXISTING SEWER MAIN TO BE LINED WITH CIPP
- - - = EXISTING SEWER MAIN
- = EXISTING SEWER LATERAL
- = PROPERTY LINE
- = EXISTING MANHOLE
- ▶ ▶ = FLOW DIRECTION

PIPE TABLE			
GIS REFERENCE #	LENGTH	SIZE	MATERIAL
SS-GM-40-65	344 LF	8"	CONC
SS-GM-40-67	345 LF	8"	CONC
SS-GM-40-68	292 LF	8"	CONC
SS-GM-40-70	202 LF	8"	CONC
SS-GM-40-71	256 LF	8"	CONC
SS-GM-40-72	296 LF	8"	CONC
SS-GM-40-73	437 LF	8"	CONC
SS-GM-40-79	302 LF	8"	CONC
SS-GM-40-81	354 LF	8"	CONC
SS-GM-40-82	405 LF	8"	CONC
SS-GM-40-89	318 LF	8"	CONC

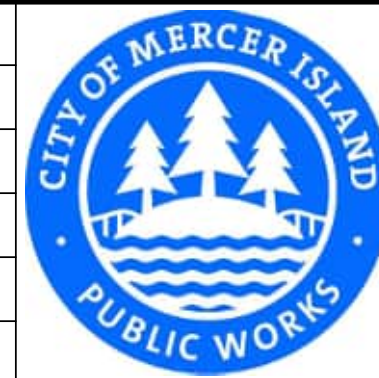
**CONSTRUCTION NOTES:**

1. VERIFY LOCATION AND NUMBER OF ALL SEWER SERVICES.
2. THE LOCATION OF EXISTING SEWER MANHOLES, SEWER MAINS, AND SEWER SERVICES ARE APPROXIMATE.
3. WHERE WORK IS TO BE PERFORMED OUTSIDE OF PUBLIC RIGHTS-OF-WAY, THE CONTRACTOR SHALL ADHERE TO THE LIMITATIONS OF CITY EASEMENTS.
4. THE DIAMETER OF SERVICE CONNECTION SEALS IS 6", UNLESS OTHERWISE NOTED.

**KEY NOTES:**

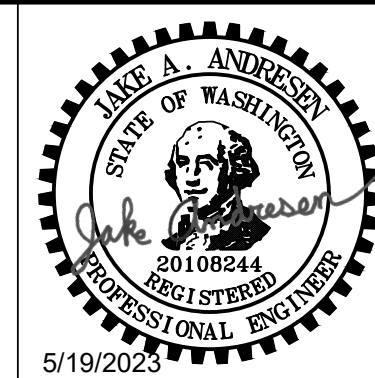
- ① INSTALL SERVICE CONNECTION SEAL.
- ② REINSTATE LATERAL
- ③ ABANDON LATERAL. DO NOT REINSTATE. CONFIRM ALL ABANDONED LATERALS WITH CITY AFTER PRE-CCTV INSPECTIONS.

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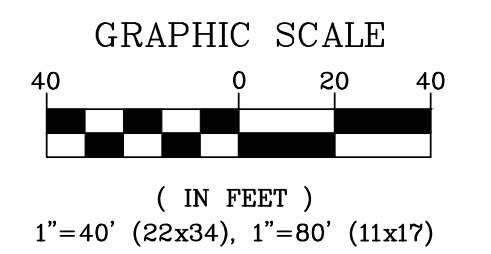
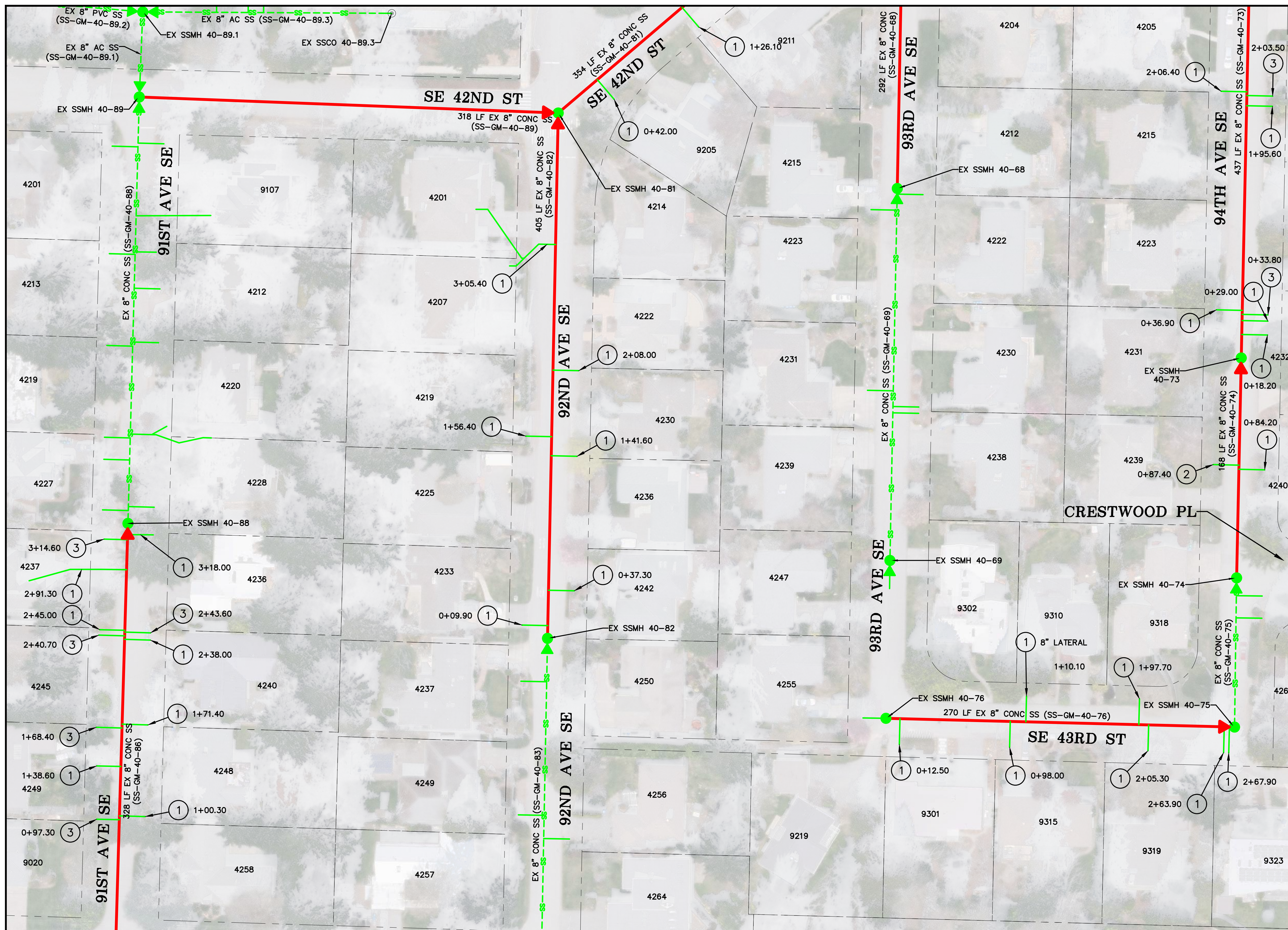


CAD TECH:	J. NORMAN	SCALE: H:	1"=40'
CAD REVIEW:	T. BUYS	V:	N/A
DESIGNER:	J. ANDRESEN	DATE:	5/19/23
DESIGN REVIEW:	K. STAHELI		
CITY BID#	23-02		
		SEC.	TWN
		17/18	T24N
			R5E

**BASIN 40 CIPP  
SEWER LINING PROJECT-  
PHASE 2**

**SEWER PLAN (3)**





**LEGEND:**

- = EXISTING SEWER MAIN TO BE LINED WITH CIPP
- - - = EXISTING SEWER MAIN
- = EXISTING SEWER LATERAL
- - - = PROPERTY LINE
- = EXISTING MANHOLE
- ▶ = FLOW DIRECTION

PIPE TABLE			
GIS REFERENCE #	LENGTH	SIZE	MATERIAL
SS-GM-40-68	292 LF	8"	CONC
SS-GM-40-73	437 LF	8"	CONC
SS-GM-40-74	168 LF	8"	CONC
SS-GM-40-76	270 LF	8"	CONC
SS-GM-40-81	354 LF	8"	CONC
SS-GM-40-82	405 LF	8"	CONC
SS-GM-40-86	328 LF	8"	CONC
SS-GM-40-89	318 LF	8"	CONC

**CONSTRUCTION NOTES:**

1. VERIFY LOCATION AND NUMBER OF ALL SEWER SERVICES.
2. THE LOCATION OF EXISTING SEWER MANHOLES, SEWER MAINS, AND SEWER SERVICES ARE APPROXIMATE.
3. WHERE WORK IS TO BE PERFORMED OUTSIDE OF PUBLIC RIGHTS-OF-WAY, THE CONTRACTOR SHALL ADHERE TO THE LIMITATIONS OF CITY EASEMENTS
4. THE DIAMETER OF SERVICE CONNECTION SEALS IS 6", UNLESS OTHERWISE NOTED.

**KEY NOTES:**

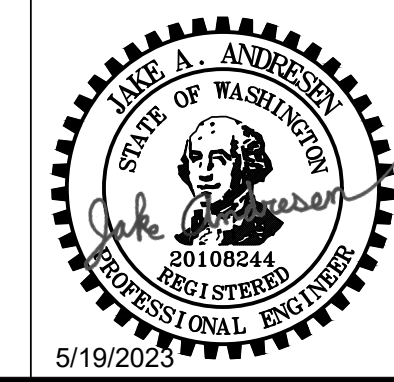
- ① INSTALL SERVICE CONNECTION SEAL.
- ② REINSTATE LATERAL
- ③ ABANDON LATERAL. DO NOT REINSTATE. CONFIRM ALL ABANDONED LATERALS WITH CITY AFTER PRE-CCTV INSPECTIONS.

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CAD REVIEW:	T. BUYS	V:	N/A
DESIGNER:	J. ANDRESEN	DATE:	5/19/23
DESIGN REVIEW:	K. STAHNELI	CITY BID#	23-02
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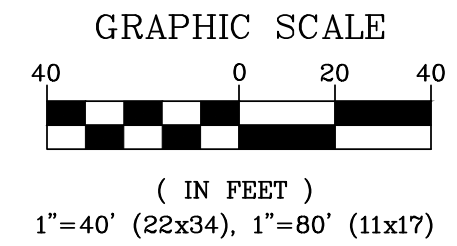
**BASIN 40 CIPP  
SEWER LINING PROJECT-  
PHASE 2**

**SEWER PLAN (4)**





Know what's below.  
Call before you dig.



**LEGEND:**

- = EXISTING SEWER MAIN TO BE LINED WITH CIPP
- = EXISTING SEWER MAIN
- = EXISTING SEWER LATERAL
- = PROPERTY LINE
- = EXISTING MANHOLE
- = FLOW DIRECTION

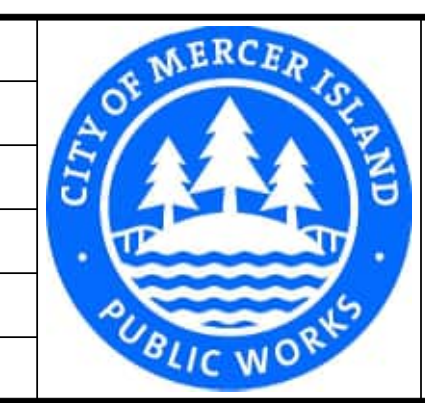
PIPE TABLE			
GIS REFERENCE #	LENGTH	SIZE	MATERIAL
SS-GM-40-85	172 LF	8"	CONC
SS-GM-40-86	328 LF	8"	CONC
SS-GM-40-87	285 LF	8"	CONC
SS-GM-40-87.1	277 LF	8"	CONC

- CONSTRUCTION NOTES:
- VERIFY LOCATION AND NUMBER OF ALL SEWER SERVICES.
  - THE LOCATION OF EXISTING SEWER MANHOLES, SEWER MAINS, AND SEWER SERVICES ARE APPROXIMATE.
  - WHERE WORK IS TO BE PERFORMED OUTSIDE OF PUBLIC RIGHTS-OF-WAY, THE CONTRACTOR SHALL ADHERE TO THE LIMITATIONS OF DISTRICT EASEMENTS
  - THE DIAMETER OF SERVICE CONNECTION SEALS IS 6", UNLESS OTHERWISE NOTED.

- KEY NOTES:
- INSTALL SERVICE CONNECTION SEAL.
  - REINSTATE LATERAL.
  - ABANDON LATERAL. DO NOT REINSTATE. CONFIRM ALL ABANDONED LATERALS WITH CITY AFTER PRE-CCTV INSPECTIONS.

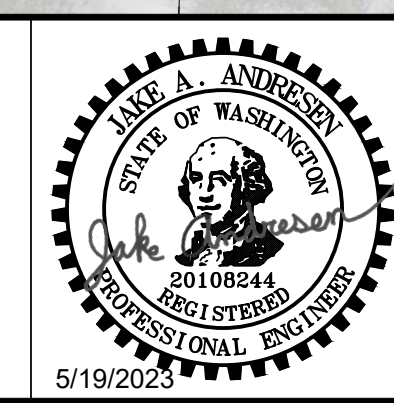


NO.	REVISION	BY	DATE



**R&E Reichhardt & Ebe ENGINEERING INC**  
 P.O. Box 978 | 423 Front Street  
 Lynden, WA 98264 (360) 354-3687

**BID SET**

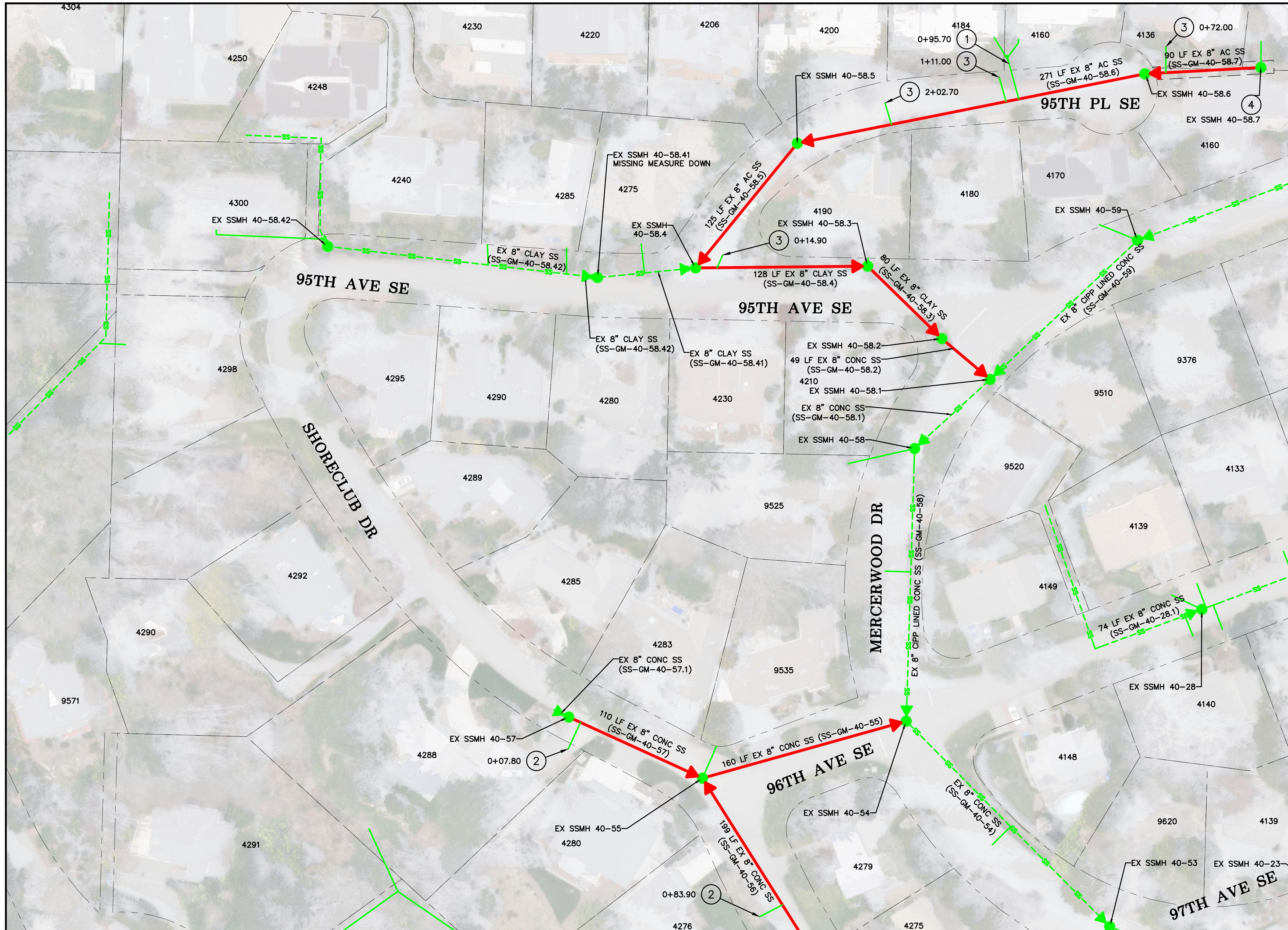


CAD TECH:	J. NORMAN	SCALE: H:	1"=40'
CAD REVIEW:	T. BUYS	V:	N/A
DESIGNER:	J. ANDRESEN	DATE:	5/19/23
DESIGN REVIEW:	K. STAHELI	CITY BID#	23-02
SEC:	TWN:	RNG:	
17/18	T24N	R5E	

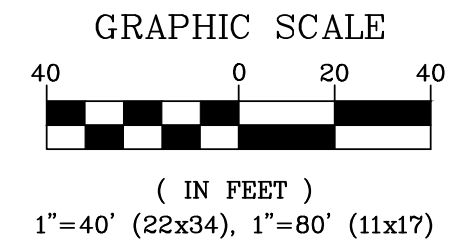
**BASIN 40 CIPP  
SEWER LINING PROJECT-  
PHASE 2**

**SEWER PLAN (5)**





Know what's below.  
Call before you dig.



**LEGEND:**

- = EXISTING SEWER MAIN TO BE LINED WITH CIPP
- - - = EXISTING SEWER MAIN
- = EXISTING SEWER LATERAL
- - - = PROPERTY LINE
- = EXISTING MANHOLE
- ▶ = FLOW DIRECTION

PIPE TABLE			
GIS REFERENCE #	LENGTH	SIZE	MATERIAL
SS-GM-40-55	160 LF	8"	CONC
SS-GM-40-56	199 LF	8"	CONC
SS-GM-40-57	110 LF	8"	CONC
SS-GM-40-58.2	49 LF	8"	CONC
SS-GM-40-58.3	80 LF	8"	CLAY
SS-GM-40-58.4	128 LF	8"	CLAY
SS-GM-40-58.5	125 LF	8"	AC
SS-GM-40-58.6	271 LF	8"	AC
SS-GM-40-58.7	90 LF	8"	AC

**CONSTRUCTION NOTES:**

1. VERIFY LOCATION AND NUMBER OF ALL SEWER SERVICES.
2. THE LOCATION OF EXISTING SEWER MANHOLES, SEWER MAINS, AND SEWER SERVICES ARE APPROXIMATE.
3. WHERE WORK IS TO BE PERFORMED OUTSIDE OF PUBLIC RIGHTS-OF-WAY, THE CONTRACTOR SHALL ADHERE TO THE LIMITATIONS OF DISTRICT EASEMENTS
4. THE DIAMETER OF SERVICE CONNECTION SEALS IS 6", UNLESS OTHERWISE NOTED.

**KEY NOTES:**

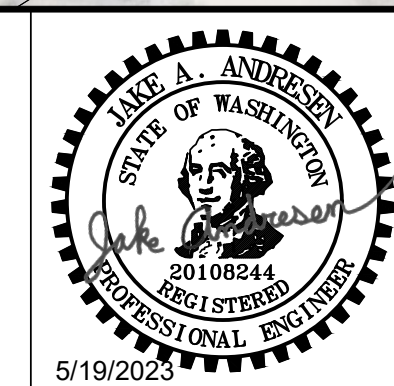
- ① INSTALL SERVICE CONNECTION SEAL.
- ② REINSTATE LATERAL.
- ③ ABANDON LATERAL. DO NOT REINSTATE. CONFIRM ALL ABANDONED LATERALS WITH CITY AFTER PRE-CCTV INSPECTIONS.
- ④ NO VEHICLE ACCESS NEAR THE MH

NO.	REVISION	BY	DATE



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 Lynden, WA 98264 (360) 354-3687

**BID SET**

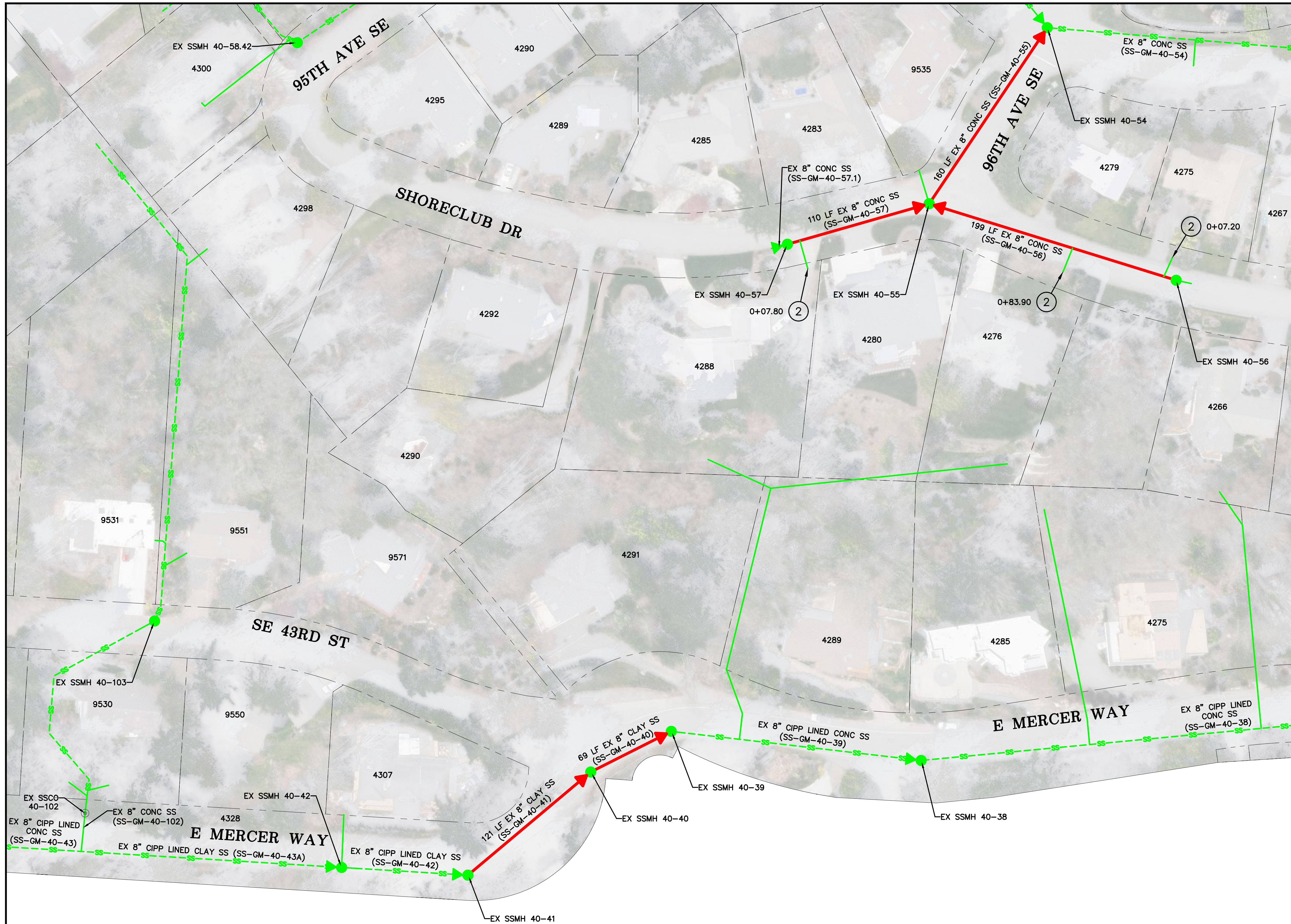


CAD TECH:	J. NORMAN	SCALE: H:	1"=40'
CAD REVIEW:	T. BUYS	V:	N/A
DESIGNER:	J. ANDRESEN	DATE:	5/19/23
DESIGN REVIEW:	K. STAHELI	CITY BID#	23-02
SEC.	TWN	RNG	
17/18	T24N	R5E	

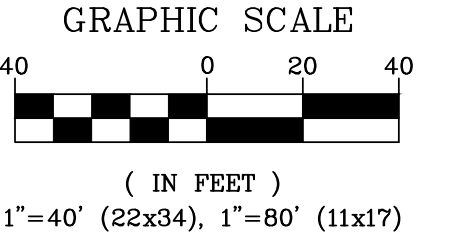
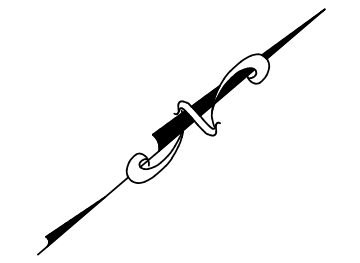
**BASIN 40 CIPP  
SEWER LINING PROJECT-  
PHASE 2**

**SEWER PLAN (6)**





Know what's below.  
Call before you dig.



**LEGEND:**

- = EXISTING SEWER MAIN TO BE LINED WITH CIPP
- - - = EXISTING SEWER MAIN
- = EXISTING SEWER LATERAL
- - - = PROPERTY LINE
- = EXISTING MANHOLE
- ▶ = FLOW DIRECTION

PIPE TABLE			
GIS REFERENCE #	LENGTH	SIZE	MATERIAL
SS-GM-40-40	69 LF	8"	CLAY
SS-GM-40-41	121 LF	8"	CLAY
SS-GM-40-55	160 LF	8"	CONC
SS-GM-40-56	199 LF	8"	CONC
SS-GM-40-57	110 LF	8"	CONC

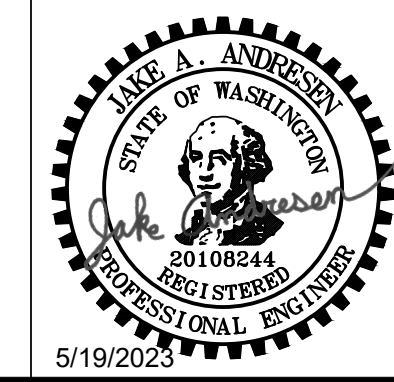
- CONSTRUCTION NOTES:
- VERIFY LOCATION AND NUMBER OF ALL SEWER SERVICES.
  - THE LOCATION OF EXISTING SEWER MANHOLES, SEWER MAINS, AND SEWER SERVICES ARE APPROXIMATE.
  - WHERE WORK IS TO BE PERFORMED OUTSIDE OF PUBLIC RIGHTS-OF-WAY, THE CONTRACTOR SHALL ADHERE TO THE LIMITATIONS OF DISTRICT EASEMENTS
  - THE DIAMETER OF SERVICE CONNECTION SEALS IS 6", UNLESS OTHERWISE NOTED.
- KEY NOTES:
- INSTALL SERVICE CONNECTION SEAL.
  - REINSTATE LATERAL.
  - ABANDON LATERAL. DO NOT REINSTATE. CONFIRM ALL ABANDONED LATERALS WITH CITY AFTER PRE-CCTV INSPECTIONS.

NO.	REVISION	BY	DATE



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Lynden, WA 98264 (360) 354-3687

**BID SET**

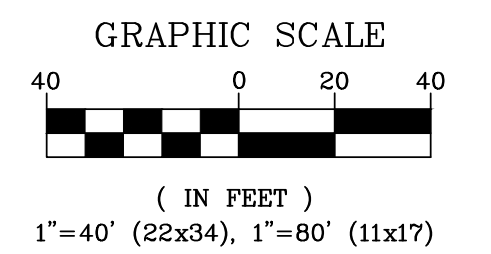
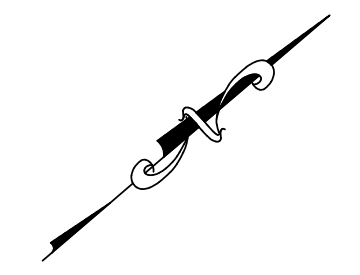
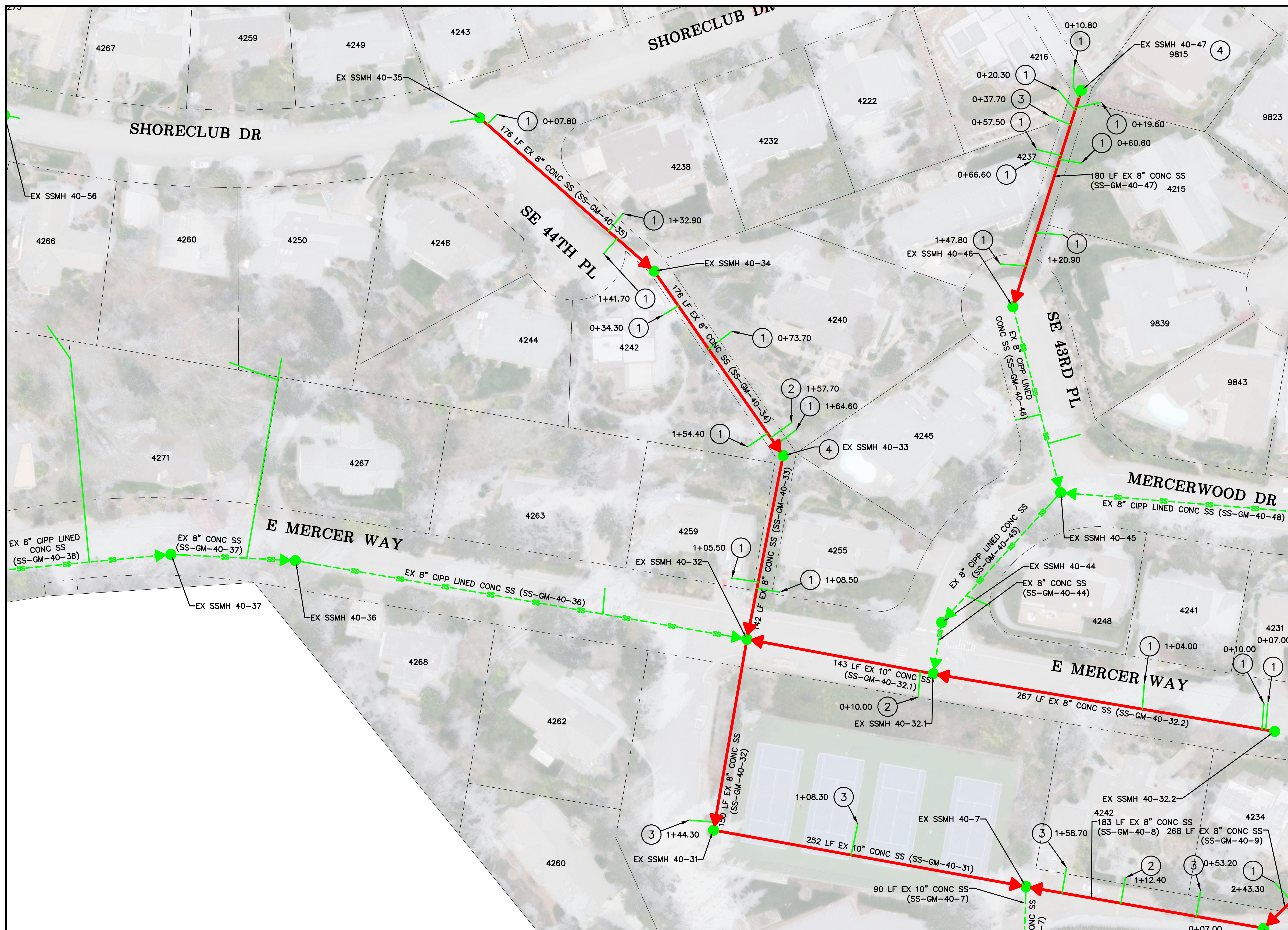


CAD TECH:	J. NORMAN	SCALE: H:	1"=40'
CAD REVIEW:	T. BUYS	V:	N/A
DESIGNER:	J. ANDRESEN	DATE:	5/19/23
DESIGN REVIEW:	K. STAHELI	CITY BID#	23-02
SEC:	TWN:	RNG:	
17/18	T24N	R5E	

**BASIN 40 CIPP SEWER LINING PROJECT-PHASE 2**

SEWER PLAN (7)





**LEGEND:**

- = EXISTING SEWER MAIN TO BE LINED WITH CIPP
- - - = EXISTING SEWER MAIN
- = EXISTING SEWER LATERAL
- - - = PROPERTY LINE
- = EXISTING MANHOLE
- ▶ = FLOW DIRECTION

PIPE TABLE			
GIS REFERENCE #	LENGTH	SIZE	MATERIAL
SS-GM-40-8	183 LF	8"	CONC
SS-GM-40-9	268 LF	8"	CONC
SS-GM-40-31	252 LF	10"	CONC
SS-GM-40-32	150 LF	8"	CONC
SS-GM-40-32.1	143 LF	10"	CONC
SS-GM-40-32.2	267 LF	8"	CONC
SS-GM-40-33	142 LF	8"	CONC
SS-GM-40-34	176 LF	8"	CONC
SS-GM-40-35	176 LF	8"	CONC
SS-GM-40-47	180 LF	8"	CONC

- CONSTRUCTION NOTES:
- VERIFY LOCATION AND NUMBER OF ALL SEWER SERVICES.
  - THE LOCATION OF EXISTING SEWER MANHOLES, SEWER MAINS, AND SEWER SERVICES ARE APPROXIMATE.
  - WHERE WORK IS TO BE PERFORMED OUTSIDE OF PUBLIC RIGHTS-OF-WAY, THE CONTRACTOR SHALL ADHERE TO THE LIMITATIONS OF DISTRICT EASEMENTS
  - THE DIAMETER OF SERVICE CONNECTION SEALS IS 6", UNLESS OTHERWISE NOTED.
- KEY NOTES:

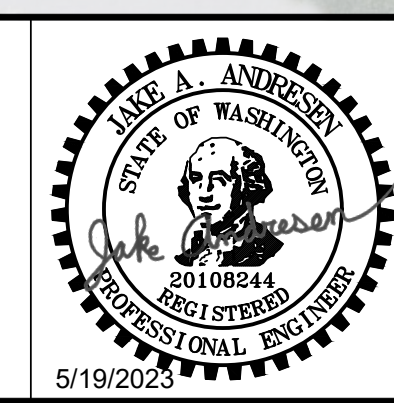
- ① INSTALL SERVICE CONNECTION SEAL.
- ② REINSTATE LATERAL.
- ③ ABANDON LATERAL. DO NOT REINSTATE. CONFIRM ALL ABANDONED LATERALS WITH CITY AFTER PRE-CCTV INSPECTIONS.
- ④ NO VEHICLE ACCESS NEAR THE MH

NO.	REVISION	BY	DATE



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 Lynden, WA 98264 (360) 354-3687

**BID SET**

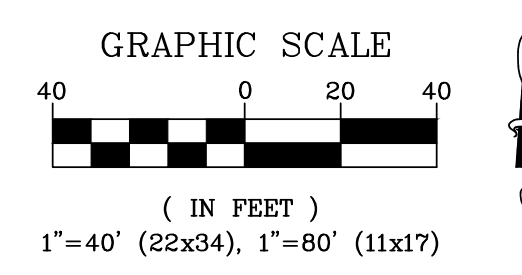
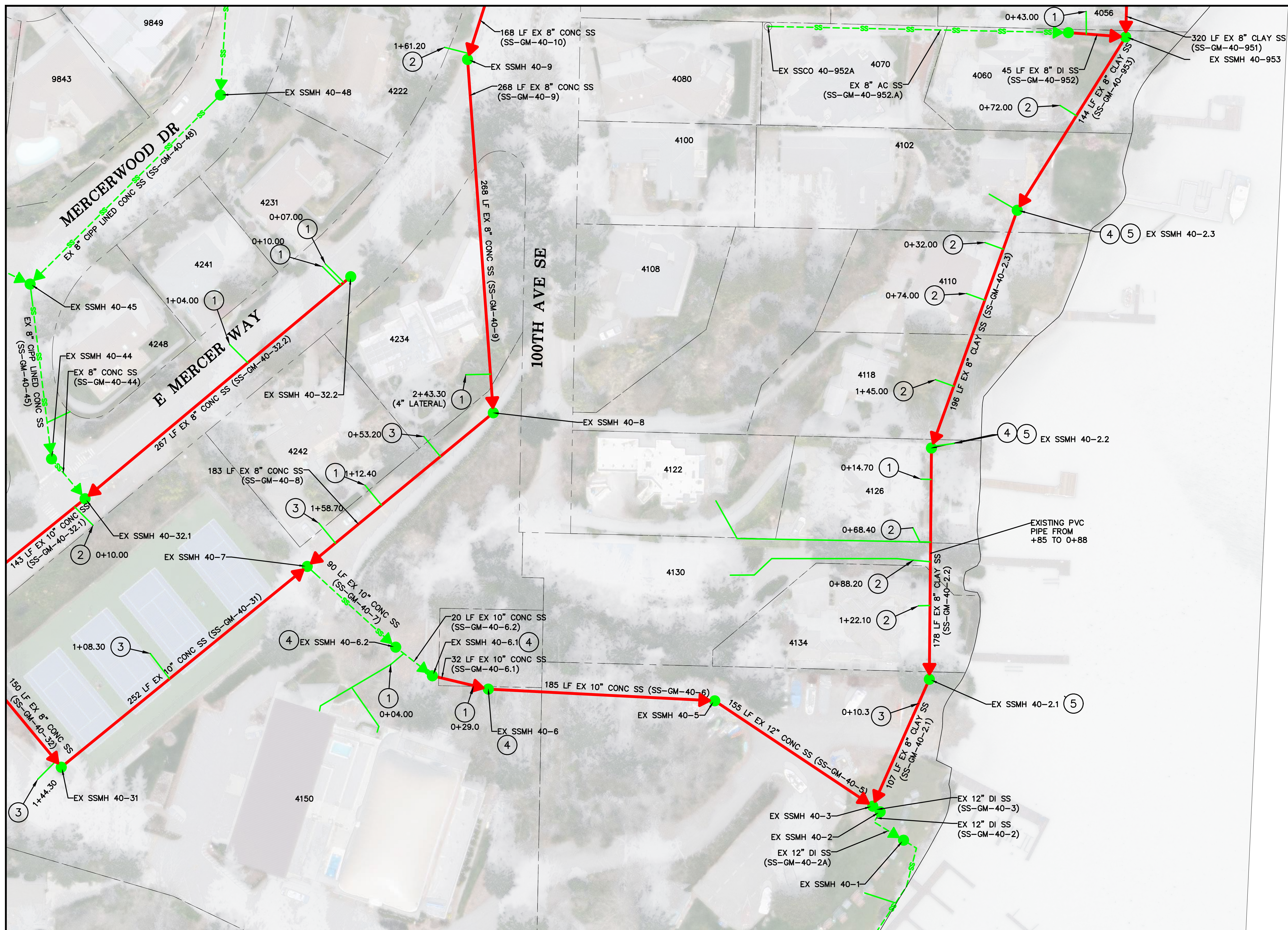


CAD TECH:	J. NORMAN	SCALE: H:	1"=40'
CAD REVIEW:	T. BUYS	V:	N/A
DESIGNER:	J. ANDRESEN	DATE:	5/19/23
DESIGN REVIEW:	K. STAHELI	CITY BID#	23-02
SEC.	TWN	RNG	17/18 T24N R5E

**BASIN 40 CIPP  
SEWER LINING PROJECT-  
PHASE 2**

**SEWER PLAN (8)**





**LEGEND:**

- = EXISTING SEWER MAIN TO BE LINED WITH CIPP
- - - = EXISTING SEWER MAIN
- = EXISTING SEWER LATERAL
- - - = PROPERTY LINE
- = EXISTING MANHOLE
- ▶ = FLOW DIRECTION

PIPE TABLE			
GIS REFERENCE #	LENGTH	SIZE	MATERIAL
SS-GM-40-2.1	107 LF	8"	CLAY
SS-GM-40-2.2	178 LF	8"	CLAY
SS-GM-40-2.3	196 LF	8"	CLAY
SS-GM-40-5	155 LF	12"	CONC
SS-GM-40-6	185 LF	10"	CONC
SS-GM-40-6.1	32 LF	10"	CONC
SS-GM-40-8	183 LF	8"	CONC
SS-GM-40-9	268 LF	8"	CONC
SS-GM-40-10	168 LF	8"	CONC
SS-GM-40-31	252 LF	10"	CONC
SS-GM-40-32	150 LF	8"	CONC
SS-GM-40-32.1	143 LF	10"	CONC
SS-GM-40-32.2	267 LF	8"	CONC
SS-GM-40-951	320 LF	8"	CLAY
SS-GM-40-952	45 LF	8"	DI
SS-GM-40-953	144 LF	8"	CLAY

- CONSTRUCTION NOTES:**
- VERIFY LOCATION AND NUMBER OF ALL SEWER SERVICES.
  - THE LOCATION OF EXISTING SEWER MANHOLES, SEWER MAINS, AND SEWER SERVICES ARE APPROXIMATE.
  - WHERE WORK IS TO BE PERFORMED OUTSIDE OF PUBLIC RIGHTS-OF-WAY, THE CONTRACTOR SHALL ADHERE TO THE LIMITATIONS OF DISTRICT EASEMENTS
  - REFER TO SHORELINE EXEMPTION PERMIT FOR THE WORK WITHIN 200' OF WATERLINE
  - THE DIAMETER OF SERVICE CONNECTION SEALS IS 6" UNLESS OTHERWISE NOTED

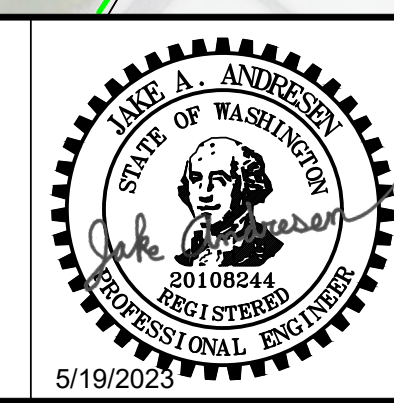
- KEY NOTES:**
- INSTALL SERVICE CONNECTION SEAL.
  - REINSTATE LATERAL.
  - ABANDON LATERAL. DO NOT REINSTATE. CONFIRM ALL ABANDONED LATERALS WITH CITY AFTER PRE-CCTV INSPECTIONS.
  - NO VEHICLE ACCESS NEAR THE MH
  - ADJUST THE RIM ELEVATION TO FINAL ELEVATION PER MH RIM ADJUSTMENT TABLE

NO.	REVISION	BY	DATE



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 Lynden, WA 98264 (360) 354-3687

**BID SET**

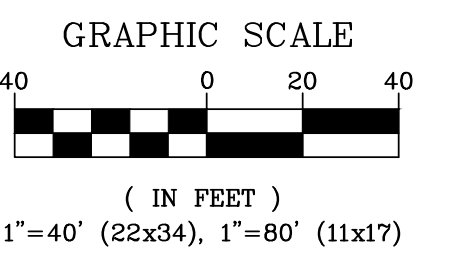
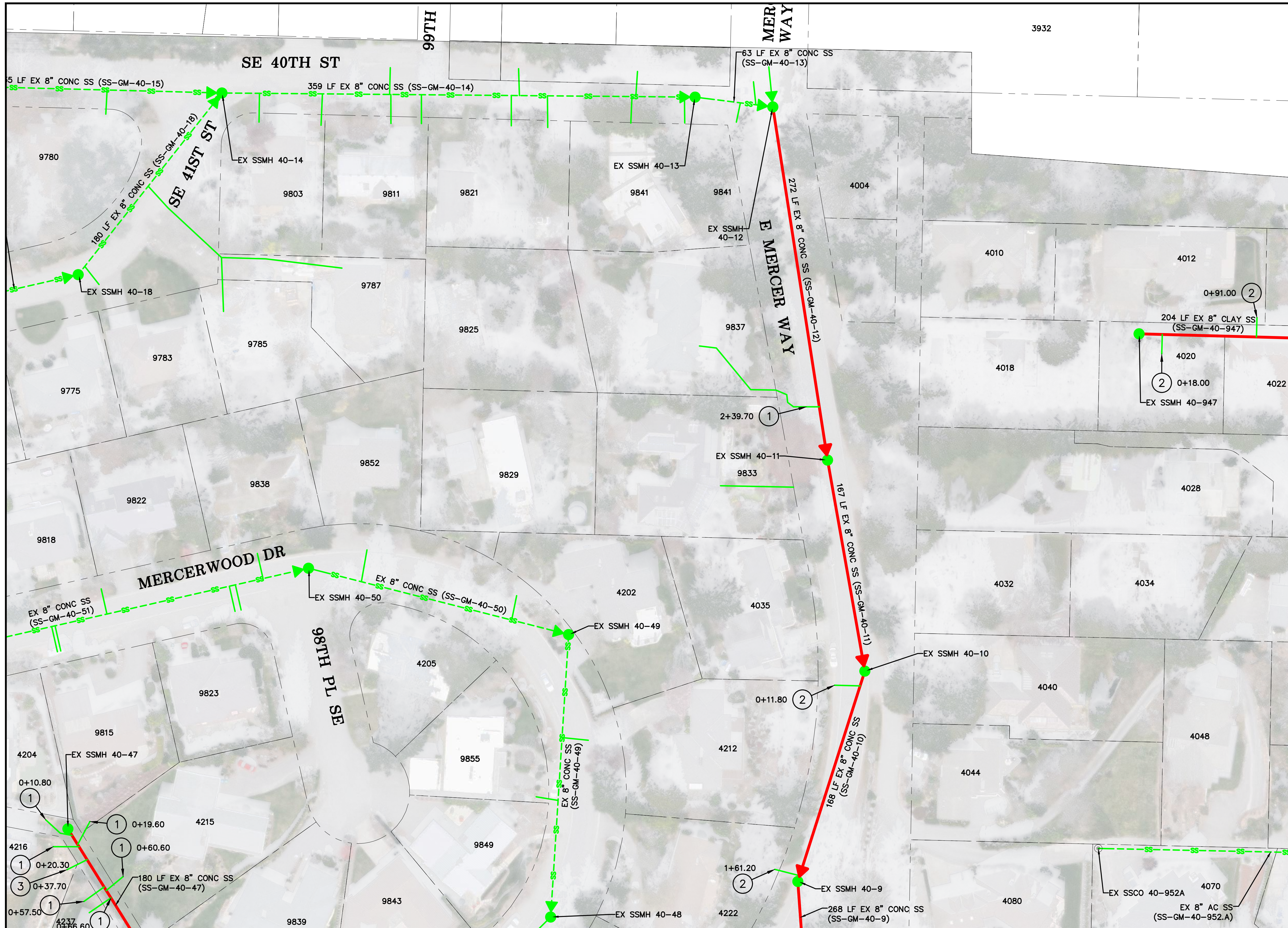


CAD TECH:	J. NORMAN	SCALE: H:	1"=40'
CAD REVIEW:	T. BUYS	V:	N/A
DESIGNER:	J. ANDRESEN	DATE:	5/19/23
DESIGN REVIEW:	K. STAHELI	CITY BID#	23-02
SEC:	TWN:	RNG:	
17/18	T24N	R5E	

**BASIN 40 CIPP SEWER LINING PROJECT- PHASE 2**

**SEWER PLAN (9)**





**LEGEND:**

- = EXISTING SEWER MAIN TO BE LINED WITH CIPP
- - - = EXISTING SEWER MAIN
- = EXISTING SEWER LATERAL
- - - = PROPERTY LINE
- = EXISTING MANHOLE
- ▶ = FLOW DIRECTION

PIPE TABLE			
GIS REFERENCE #	LENGTH	SIZE	MATERIAL
SS-GM-40-9	268 LF	8"	CONC
SS-GM-40-10	168 LF	8"	CONC
SS-GM-40-11	167 LF	8"	CONC
SS-GM-40-12	272 LF	8"	CONC
SS-GM-40-47	180 LF	8"	CONC
SS-GM-40-947	204 LF	8"	CLAY

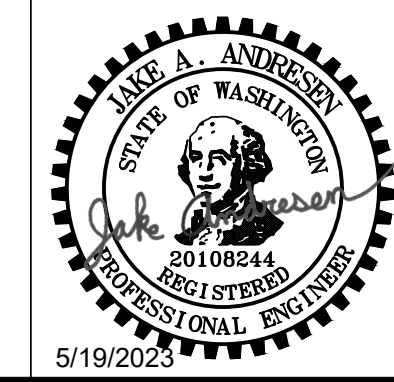
- CONSTRUCTION NOTES:**
- VERIFY LOCATION AND NUMBER OF ALL SEWER SERVICES.
  - THE LOCATION OF EXISTING SEWER MANHOLES, SEWER MAINS, AND SEWER SERVICES ARE APPROXIMATE.
  - WHERE WORK IS TO BE PERFORMED OUTSIDE OF PUBLIC RIGHTS-OF-WAY, THE CONTRACTOR SHALL ADHERE TO THE LIMITATIONS OF DISTRICT EASEMENTS
  - THE DIAMETER OF SERVICE CONNECTION SEALS IS 6", UNLESS OTHERWISE NOTED.
- KEY NOTES:**
- INSTALL SERVICE CONNECTION SEAL.
  - REINSTATE LATERAL.
  - ABANDON LATERAL. DO NOT REINSTATE. CONFIRM ALL ABANDONED LATERALS WITH CITY AFTER PRE-CCTV INSPECTIONS.

NO.	REVISION	BY	DATE



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 Lynden, WA 98264 (360) 354-3687

**BID SET**



CAD TECH:	J. NORMAN	SCALE: H:	1"=40'
CAD REVIEW:	T. BUYS	V:	N/A
DESIGNER:	J. ANDRESEN	DATE:	5/19/23
DESIGN REVIEW:	K. STAHELI	CITY BID#	23-02
SEC:	TWN:	RNG:	
17/18	T24N	R5E	

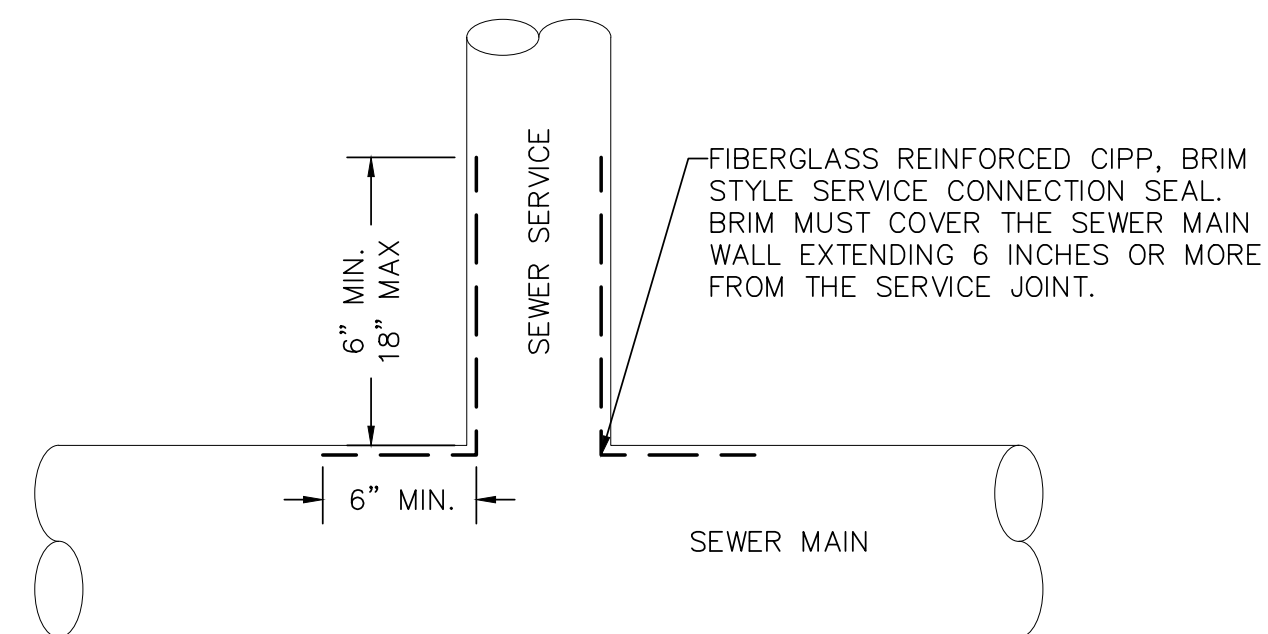
**BASIN 40 CIPP SEWER LINING PROJECT-PHASE 2**

SEWER PLAN (10)

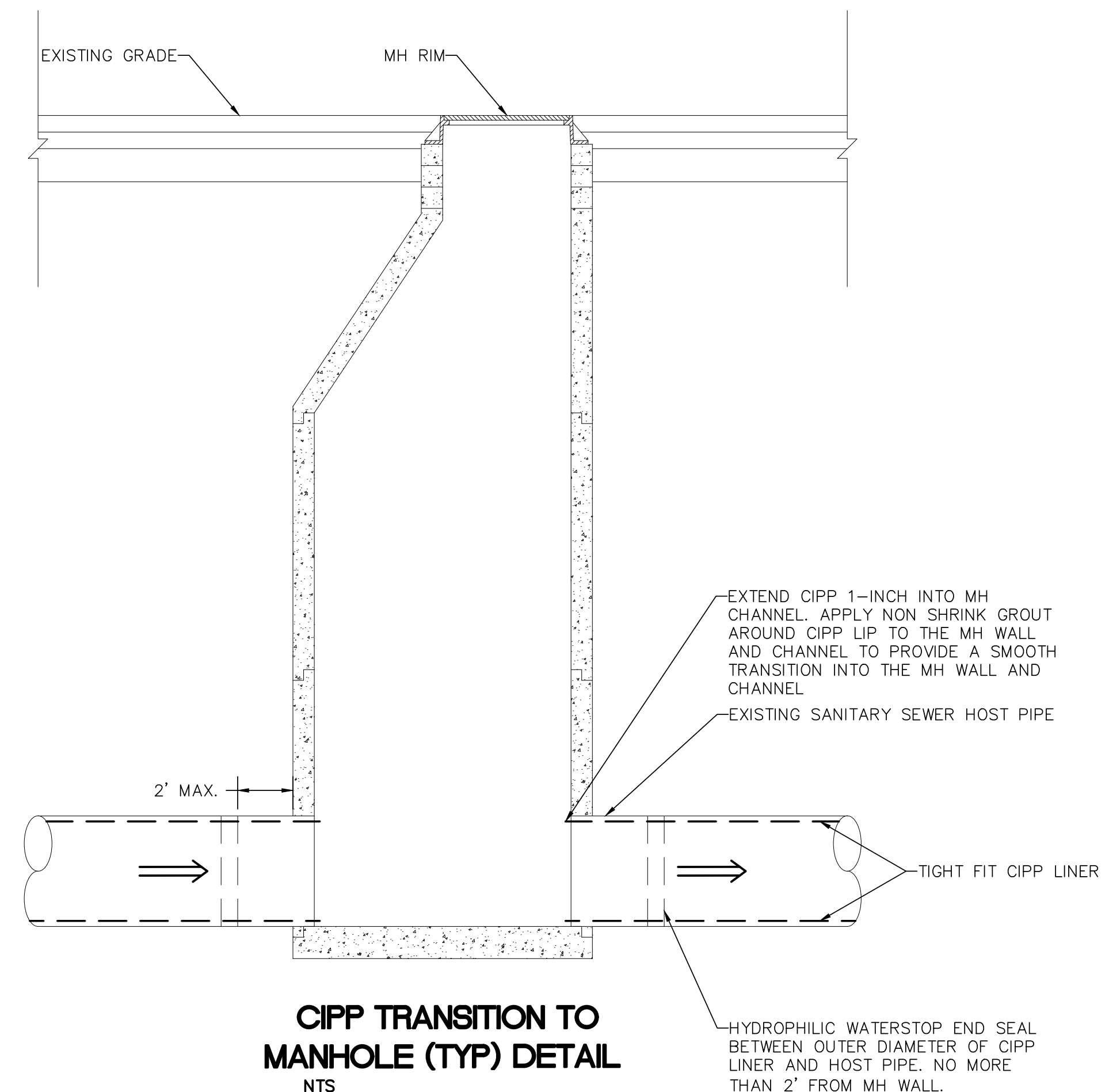






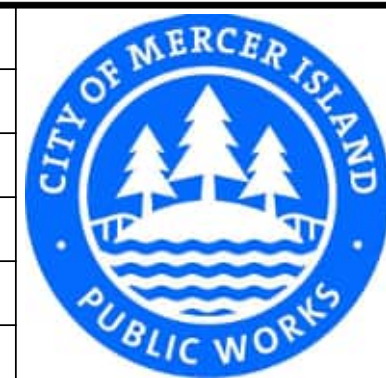


**SERVICE CONNECTION SEAL (TYP) DETAIL**  
NTS



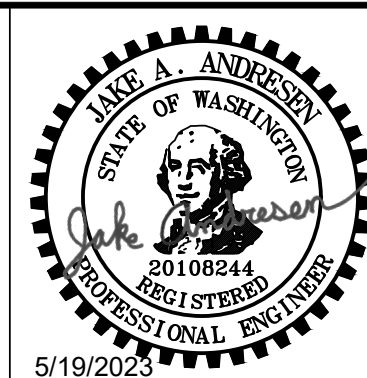
**CIPP TRANSITION TO MANHOLE (TYP) DETAIL**  
NTS

NO.	REVISION	BY	DATE



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P.O. Box 978 | 423 Front Street  
Lynden, WA 98264 (360) 354-3687

**BID SET**

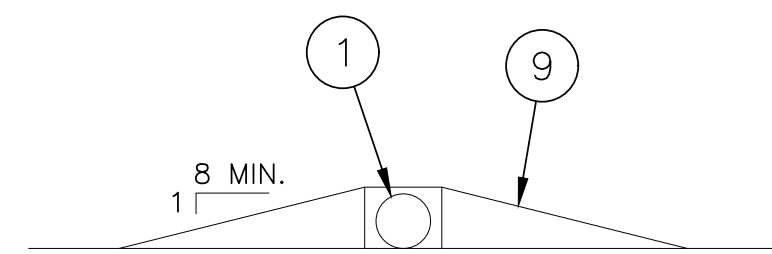


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CAD REVIEW:	T. BUYS	V:	N/A
DESIGNER:	J. ANDRESEN	DATE:	5/19/23
DESIGN REVIEW:	K. STAHELI		
CITY BID#	23-02		
		SEC. TWN RNG	
		17/18 T24N R5E	

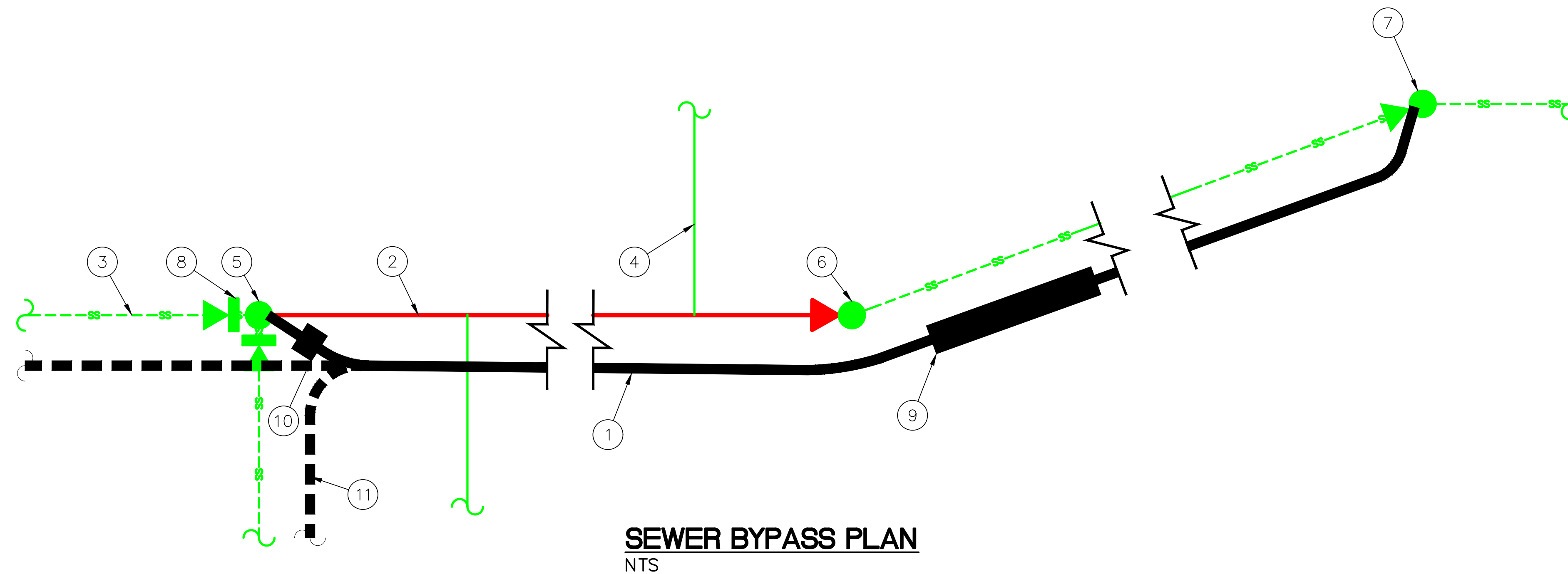
**BASIN 40 CIPP SEWER LINING PROJECT-PHASE 2**

**SEWER DETAILS**





TYPICAL HOSE RAMP DETAIL  
NTS



- SEWER BYPASS GENERAL NOTES:**
1. DETAIL SHOWN IS GENERIC AND REPRESENTATIVE OF TYPICAL BYPASS PUMPING SCENARIOS. CONTRACTOR IS RESPONSIBLE FOR ADAPTING DETAIL TO PROJECT-SPECIFIC BYPASS PUMPING SCENARIOS. DETAIL IS NOT TO SCALE.
  2. CIPP EQUIPMENT AND TRAFFIC CONTROL NOT SHOWN FOR CLARITY.
  3. SEE SHEETS 19 TO 21 FOR RELATED TRAFFIC CONTROL DETAILS AND REQUIREMENTS.
  4. BYPASS PUMPS SHALL BE CAPABLE OF PUMPING OF 15 GPM TO 300 GPM AND PASSING SOLIDS AND OTHER MATERIALS TYPICALLY FOUND IN WASTEWATER FLOWS.
  5. THE REQUIRED DISTANCE OF PUMPING IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE SUFFICIENT TO ALLOW THE WORK TO BE COMPLETED FOR EACH SEWER MAIN TO BE LINED.
  6. BYPASS PUMPING HOSE SHALL BE LOCATED IN SUCH A MANNER THAT IT CAUSES THE LEAST DISRUPTION TO TRAFFIC AND DRIVEWAY ACCESS.
  7. ALL HOSES CROSSING THE ROADWAY, DRIVEWAYS, OR OTHERWISE CONFLICTING WITH TRAFFIC SHALL BE PROTECTED WITH APPROVED HEAVY-DUTY HOSE RAMP OR ROAD RAMP. HOSE AND ROAD RAMP SHALL BE SIGNED ACCORDINGLY WITH REDUCED SPEED LIMIT WARNINGS AND BUMP SIGNS.

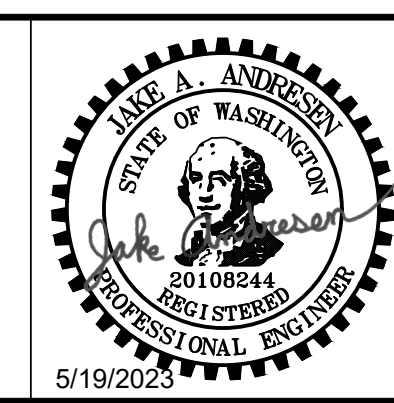
- ① = SEWER BYPASS PUMPING HOSE
- ② = EXISTING SEWER MAIN TO BE LINED WITH CIPP
- ③ = EXISTING SEWER MAIN, TYP.
- ④ = EXISTING SEWER LATERAL, TYP.
- ⑤ = FIRST UPSTREAM MANHOLE OF SEWER MAIN TO BE LINED
- ⑥ = FIRST DOWNSTREAM MANHOLE OF SEWER MAIN TO BE LINED
- ⑦ = SECOND DOWNSTREAM MANHOLE OF SEWER MAIN TO BE LINED
- ⑧ = UPSTREAM SEWER W/ FLOW-THROUGH PLUG, TYP.
- ⑨ = HOSE OR ROAD RAMP AT CROSSING ROADWAY OR DRIVEWAY
- ⑩ = SEWER BYPASS PUMP (CRITICALLY SILENCED)
- ⑪ = ALTERNATE HOSE ARRANGEMENT WHEN MULTIPLE UPSTREAM PIPES NEED TO BE BYPASSED

NO.	REVISION	BY	DATE



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 Lynden, WA 98264 (360) 354-3687

**BID SET**



CAD TECH:	J. NORMAN	SCALE: H:	N/A
CAD REVIEW:	T. BUYS	V:	N/A
DESIGNER:	J. ANDRESEN	DATE:	5/19/23
DESIGN REVIEW:	K. STAHELI	CITY BID#	23-02
		SEC.	TWN
			RNG
		17/18	T24N R5E

**BASIN 40 CIPP  
SEWER LINING PROJECT-  
PHASE 2**

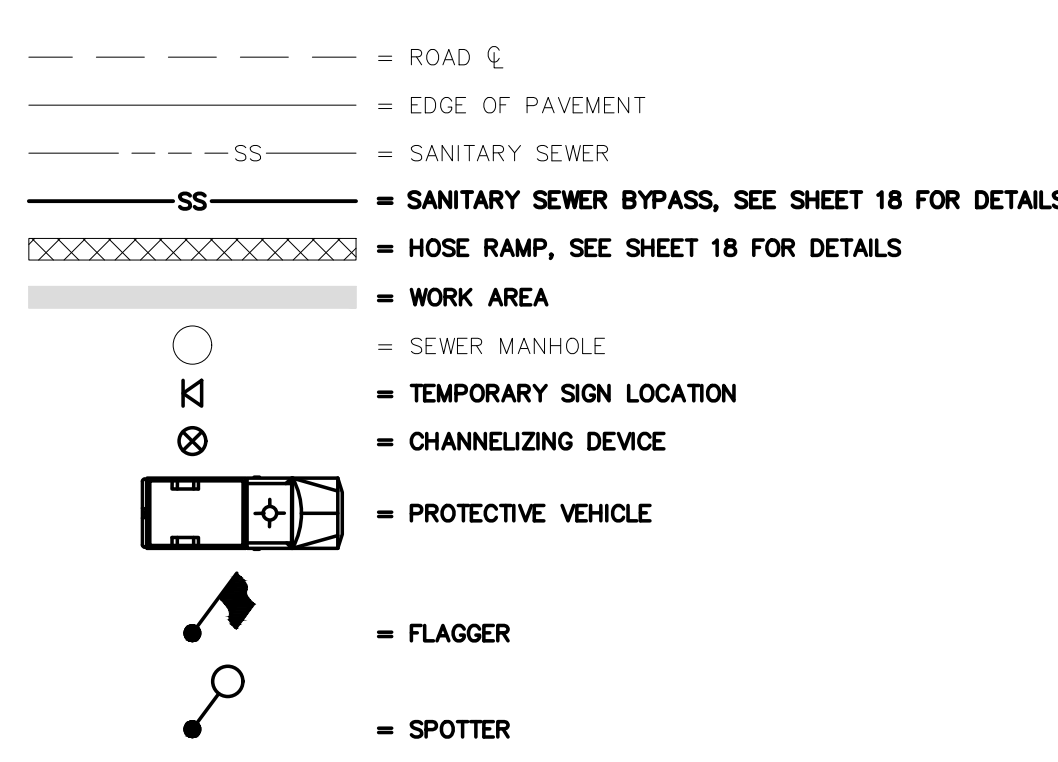
**SEWER BYPASS PLAN**



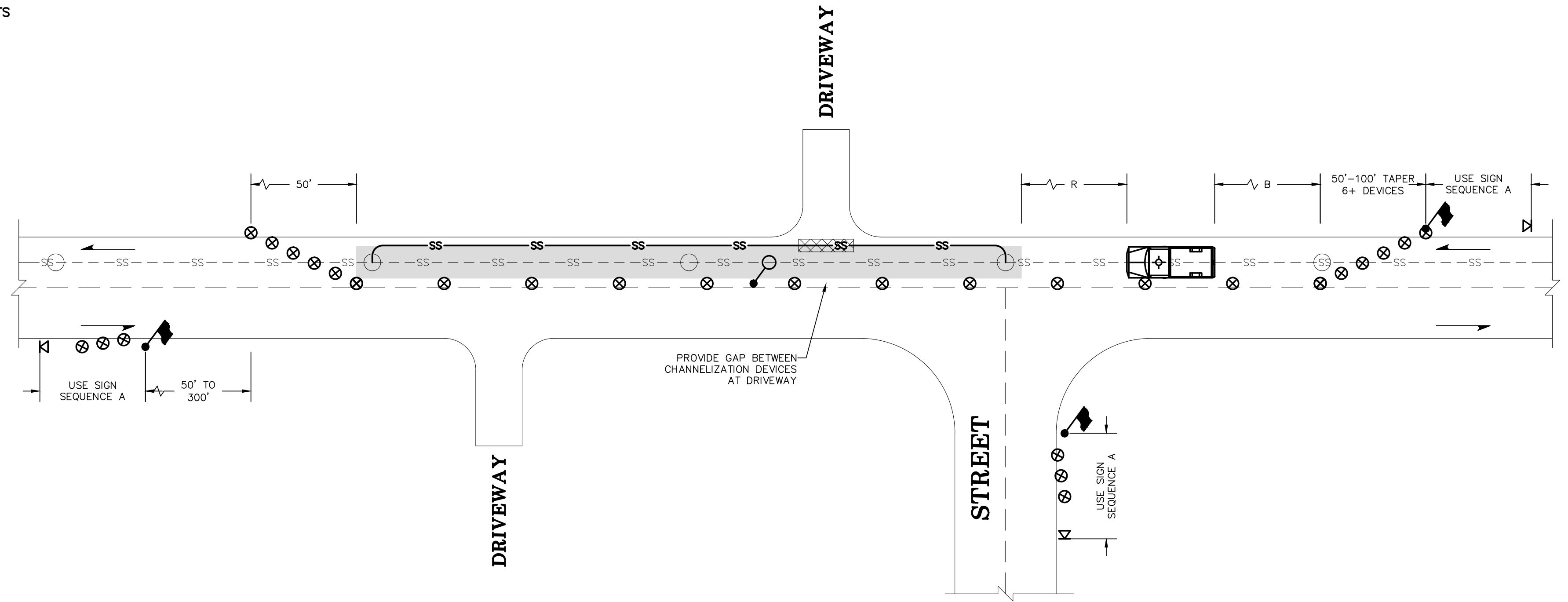
**TRAFFIC CONTROL GENERAL NOTES:**

- TRAFFIC CONTROL PLAN DETAILS PROVIDED DO NOT EXPLICITLY ACCOUNT FOR ALL SCENARIOS EXPECTED TO BE ENCOUNTERED. CONTRACTOR IS RESPONSIBLE FOR ADAPTING PROVIDED DETAILS TO SPECIFIC SITUATIONS AS NECESSARY, INCLUDING IMPLEMENTING MULTIPLE DETAILS CONCURRENTLY.
- PROVIDED TRAFFIC CONTROL DETAILS DO NOT REPRESENT ALL STAGES OF WORK RELATIVE TO LANE, SHOULDER, INTERSECTION, OR DRIVEWAY CONFIGURATIONS. CONTRACTOR IS RESPONSIBLE FOR ADAPTING PROVIDED DETAILS TO WORK FLOW AND WORK AREAS AS NECESSARY.
- PROVIDE SPOTTER(S) FOR ALL TRAFFIC CONTROL SCENARIOS WHERE DRIVEWAYS OR OTHER NON-STREET ACCESS POINTS ENTER OR EXIT TO/FROM A SINGLE-LANE CLOSURE.
- ALL SIGNS SHALL BE WSDOT CLASS B BLACK ON ORANGE UNLESS NOTED OTHERWISE.
- CONTRACTOR SHALL PROVIDE AN APPROVED, TRAFFIC RATED HOSE RAMP AT ALL LOCATIONS WHERE SEWER BYPASS PUMPING HOSE CROSSES A LANE, SHOULDER, INTERSECTION, OR DRIVEWAY SUBJECT TO VEHICULAR, BICYCLE, OR PEDESTRIAN TRAFFIC. ORIENT RAMPS PERPENDICULAR TO TRAFFIC.
- SEE SHEET 18 FOR SEWER BYPASS PLAN DETAILS NOT SHOWN.
- NO WORK, EQUIPMENT STAGING, OR TRAFFIC CONTROL WITHIN TWO BLOCKS OF A SCHOOL SHALL OCCUR BETWEEN THE HOURS OF 7AM - 9AM OR 2PM - 3PM WHEN SCHOOL IS IN SESSION UNLESS DIRECTED OTHERWISE.
- SEE SHEET 21 FOR SIGN SEQUENCES A.

**LEGEND**



**SINGLE LANE CLOSURE  
FLAGGED TRAFFIC - ONE WORK ZONE**  
NTS



LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	-	-

	35 / 40 MPH	350' ±
RURAL ROADS & URBAN ARTERIALS	25 / 30 MPH	200' ±(2)
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 MPH OR LESS	100' ±(2)
URBAN STREETS		

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS.  
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

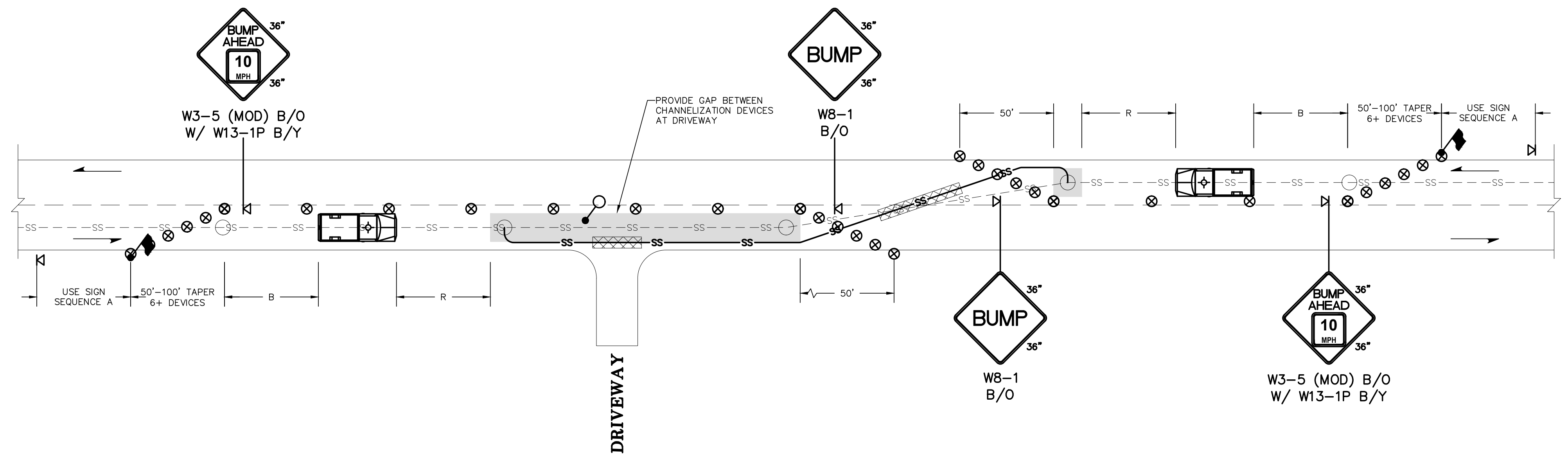
SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	90	-	-	-	-	-	-
10'	40	60	90	90	-	-	-	-	-	-

USE A 3 DEVICES TAPER FOR SHOULDERS LESS THEN 8'

MPH	TAPER	TANGENT
35/40	30	60
25/30	20	40

LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730
TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R										
HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE WEIGHT > 22,000 lbs.							
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH					
100'	123'	172'	74'	100'	150'					
PROTECTIVE VEHICLE (WORK VEHICLE) = R										
NO SPECIFIED DISTANCE REQUIRED										

**SINGLE LANE CLOSURE  
FLAGGED TRAFFIC - TWO WORK ZONES**  
NTS



**SINGLE LANE CLOSURE NOTES:**

- RECOMMEND EXTENDING DEVICE TAPER (L/3) ACROSS SHOULDER.
- IF A SIGNAL IS PRESENT, IT SHALL BE SET TO "RED FLASH MODE" OR TURNED OFF DURING FLAGGING OPERATIONS.
- FOR SPEED LIMIT OF 30 MPH OR LESS USE SIGN W1-3 IN LIEU OF SIGN W1-4.
- MAINTAIN A MINIMUM OF ONE ACCESS POINT FOR EACH BUSINESS WITHIN WORK AREA LIMITS.

**SHOULDER CLOSURE NOTES:**

- DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20' (FT).

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CAD REVIEW:	T. BUYS		V:	N/A
DESIGNER:	T. BUYS	DATE:	5/19/23	
DESIGN REVIEW:	N. ZYLSTRA			
CITY BID#	23-02	SEC.	TWN	RNG
		17/18	T24N	R5E

**BASIN 40 CIPP  
SEWER LINING PROJECT-  
PHASE 2**

TRAFFIC CONTROL PLAN (1)



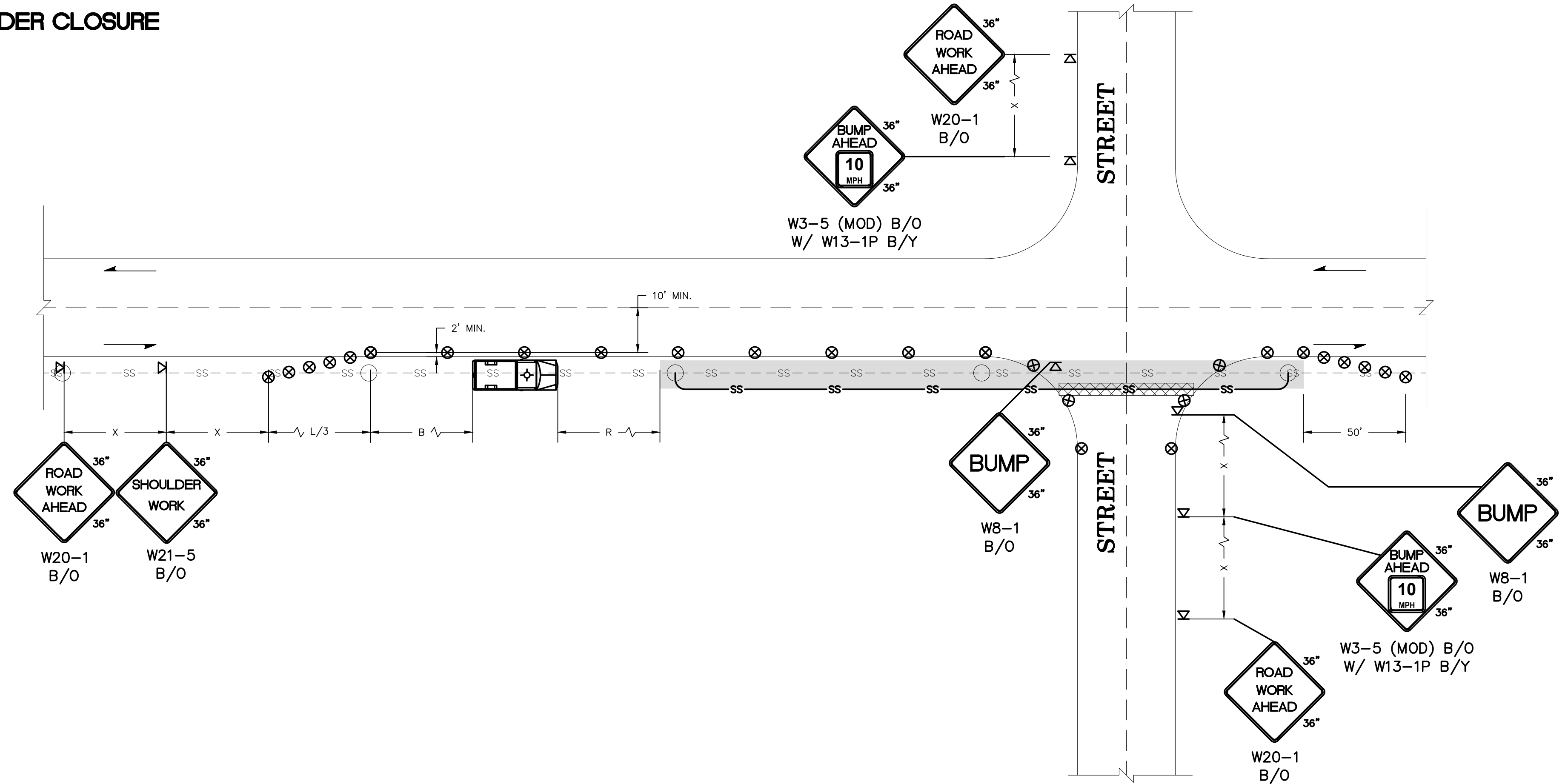
**LEGEND**

- = ROAD C
- = EDGE OF PAVEMENT
- SS--- = SANITARY SEWER
- SS = SANITARY SEWER BYPASS, SEE SHEET 18 FOR DETAILS
- XXXXXX = HOSE RAMP, SEE SHEET 18 FOR DETAILS
- = WORK AREA
- = SEWER MANHOLE
- ⊗ = TEMPORARY SIGN LOCATION
- ⊗ = CHANNELIZING DEVICE
- ☐ = PROTECTIVE VEHICLE
- ↔ = FLAGGER
- = SPOTTER

NOTE: SEE SHEET 19 FOR TRAFFIC CONTROL GENERAL NOTES.

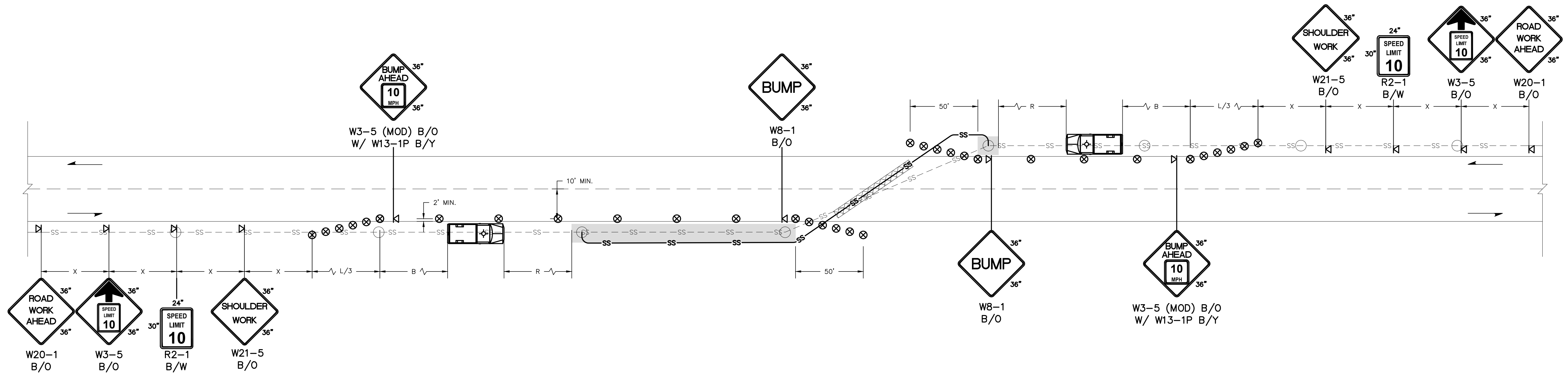
**SINGLE SHOULDER CLOSURE**

NTS



**DOUBLE SHOULDER CLOSURE**

NTS

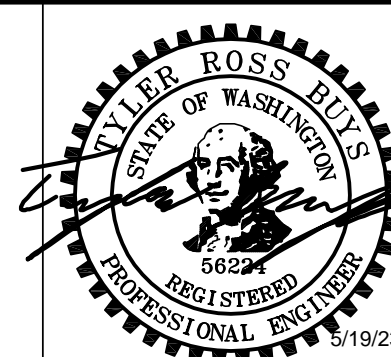


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DESIGN REVIEW:	N. ZYLSTRA			
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**BASIN 40 CIPP  
SEWER LINING PROJECT-  
PHASE 2**

TRAFFIC CONTROL PLAN (2)



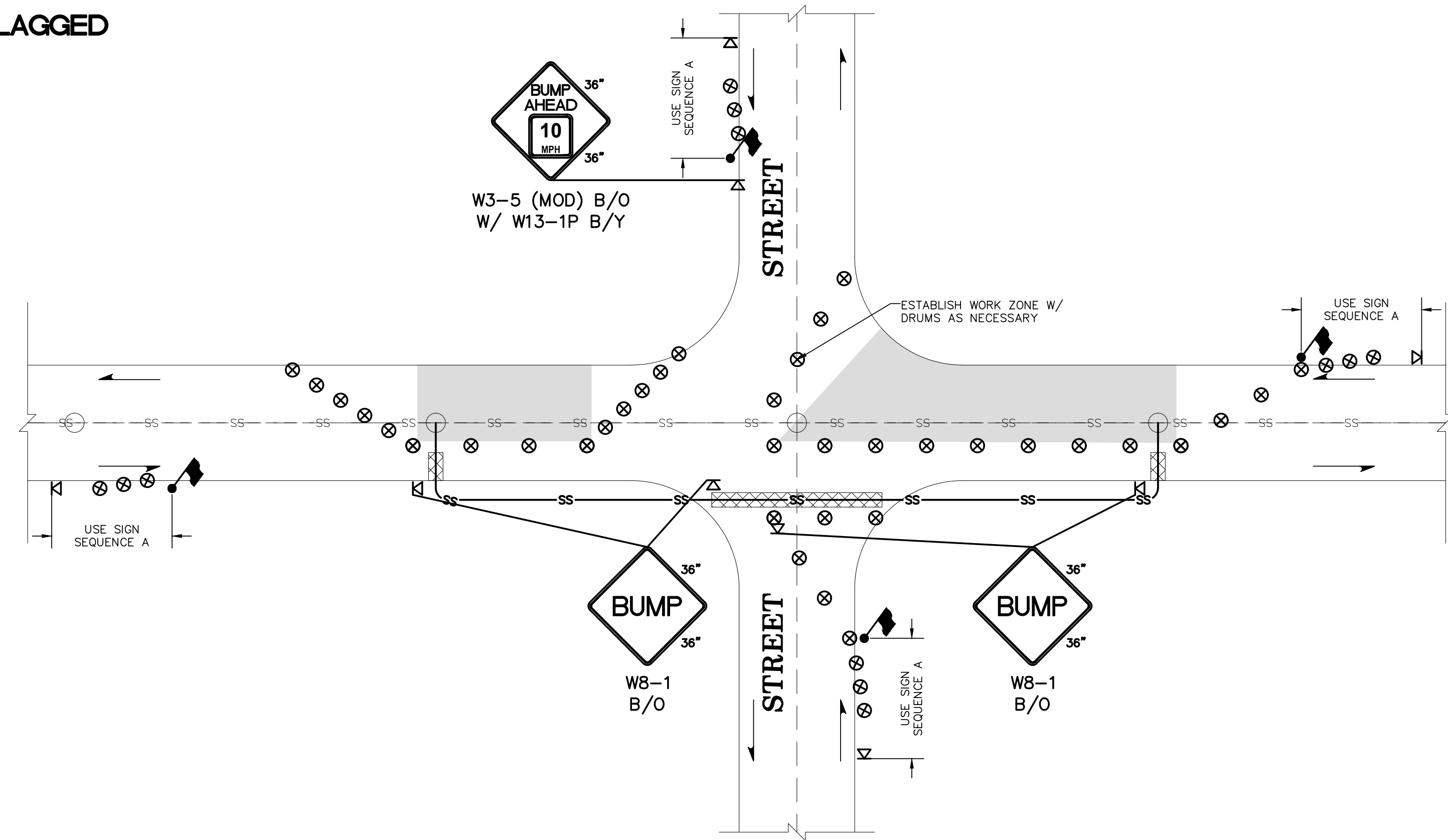
**LEGEND**

- = ROAD ☉
- = EDGE OF PAVEMENT
- SS--- = SANITARY SEWER
- SS = SANITARY SEWER BYPASS, SEE SHEET 18 FOR DETAILS
- ▨ = HOSE RAMP, SEE SHEET 18 FOR DETAILS
- ▭ = WORK AREA
- = SEWER MANHOLE
- ⊗ = TEMPORARY SIGN LOCATION
- ⊗ = CHANNELIZING DEVICE
- 🚚 = PROTECTIVE VEHICLE
- 👤 = FLAGGER
- 👤 = SPOTTER

NOTE: SEE SHEET 19 FOR TRAFFIC CONTROL GENERAL NOTES.

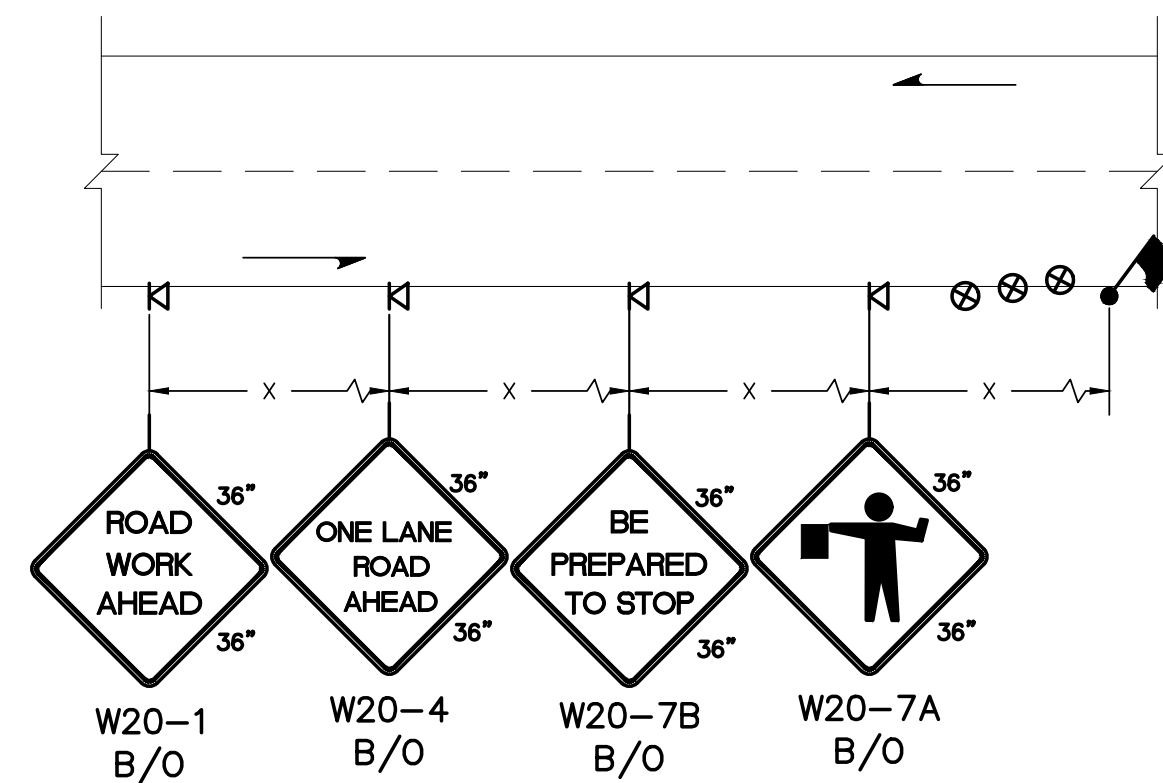
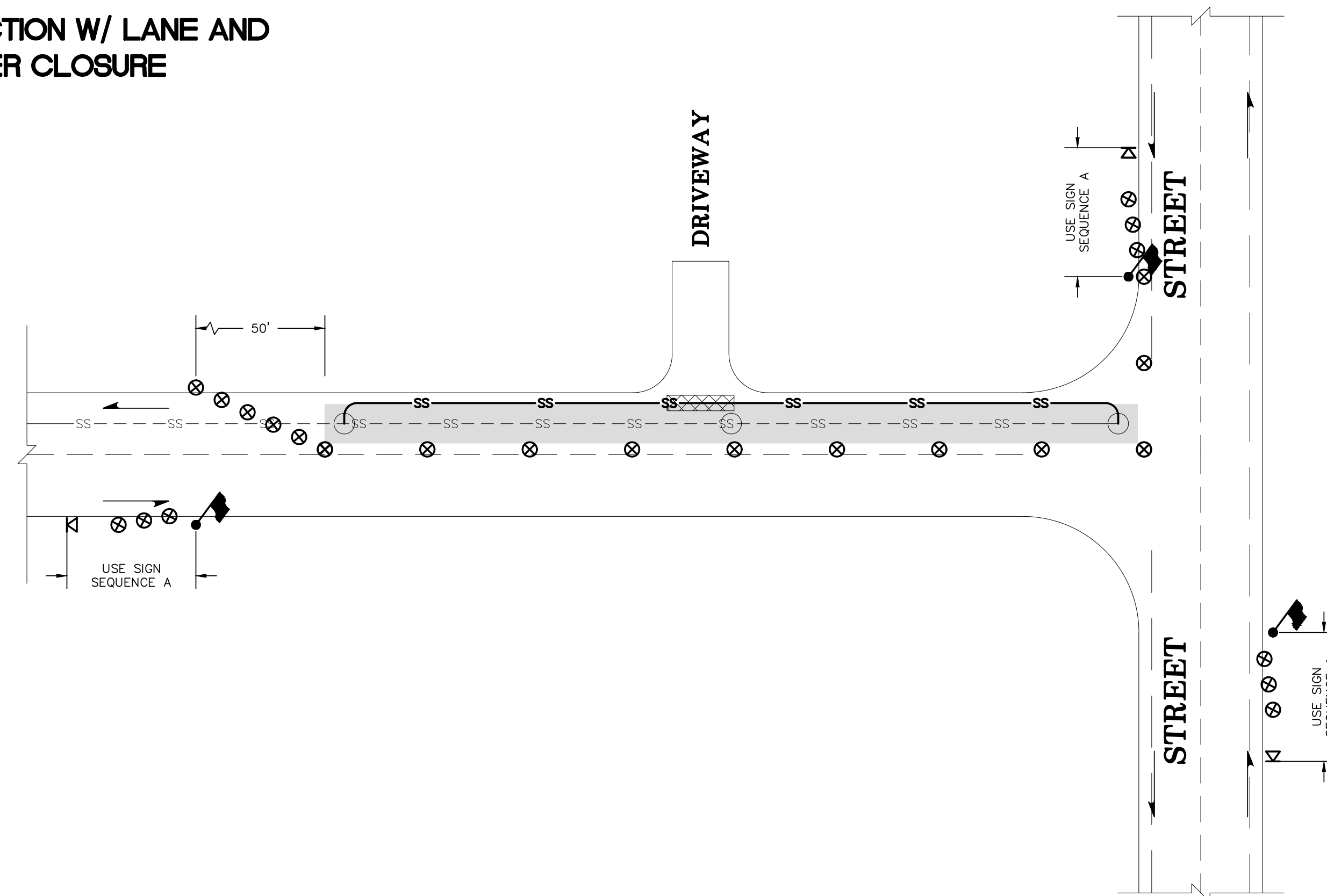
**INTERSECTION - FLAGGED**

NTS



**INTERSECTION W/ LANE AND SHOULDER CLOSURE**

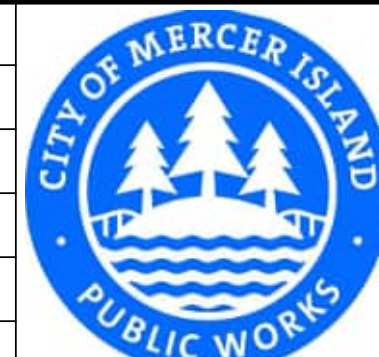
NTS



**SIGN SEQUENCE A**

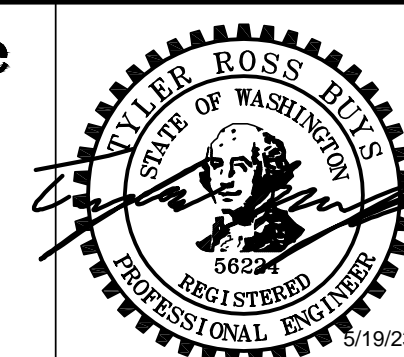
NTS

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DESIGN REVIEW:	N. ZYLSTRA	CITY BID#	23-02
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**BASIN 40 CIPP SEWER LINING PROJECT- PHASE 2**

**TRAFFIC CONTROL PLAN (3)**





**MH LID ACCESS AT SELECT LOCATION:**  
**MH 40-950**



**MH LID ACCESS AT SELECT LOCATION:**  
**MH 40-33**



**MH LID ACCESS AT SELECT LOCATION:**  
**MH 40-2.1**



**MH LID ACCESS AT SELECT LOCATION:**  
**MH 40-951**

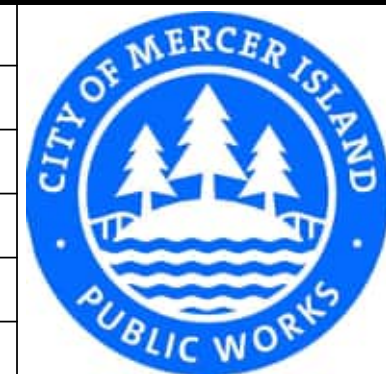


**MH LID ACCESS AT SELECT LOCATION:**  
**MH 40-58.7**



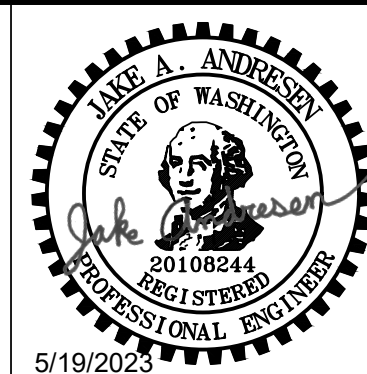
**MH LID ACCESS AT SELECT LOCATION:**  
**MH 40-2.2**

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CAD REVIEW:	T. BUYS	V:	N/A
DESIGNER:	J. ANDRESEN	DATE:	5/19/23
DESIGN REVIEW:	K. STAHELI		
CITY BID#	23-02		
		SEC. TWN RNG	
		17/18 T24N R5E	

**BASIN 40 CIPP  
SEWER LINING PROJECT-  
PHASE 2**

**MH LID ACCESS PHOTOS (1)**





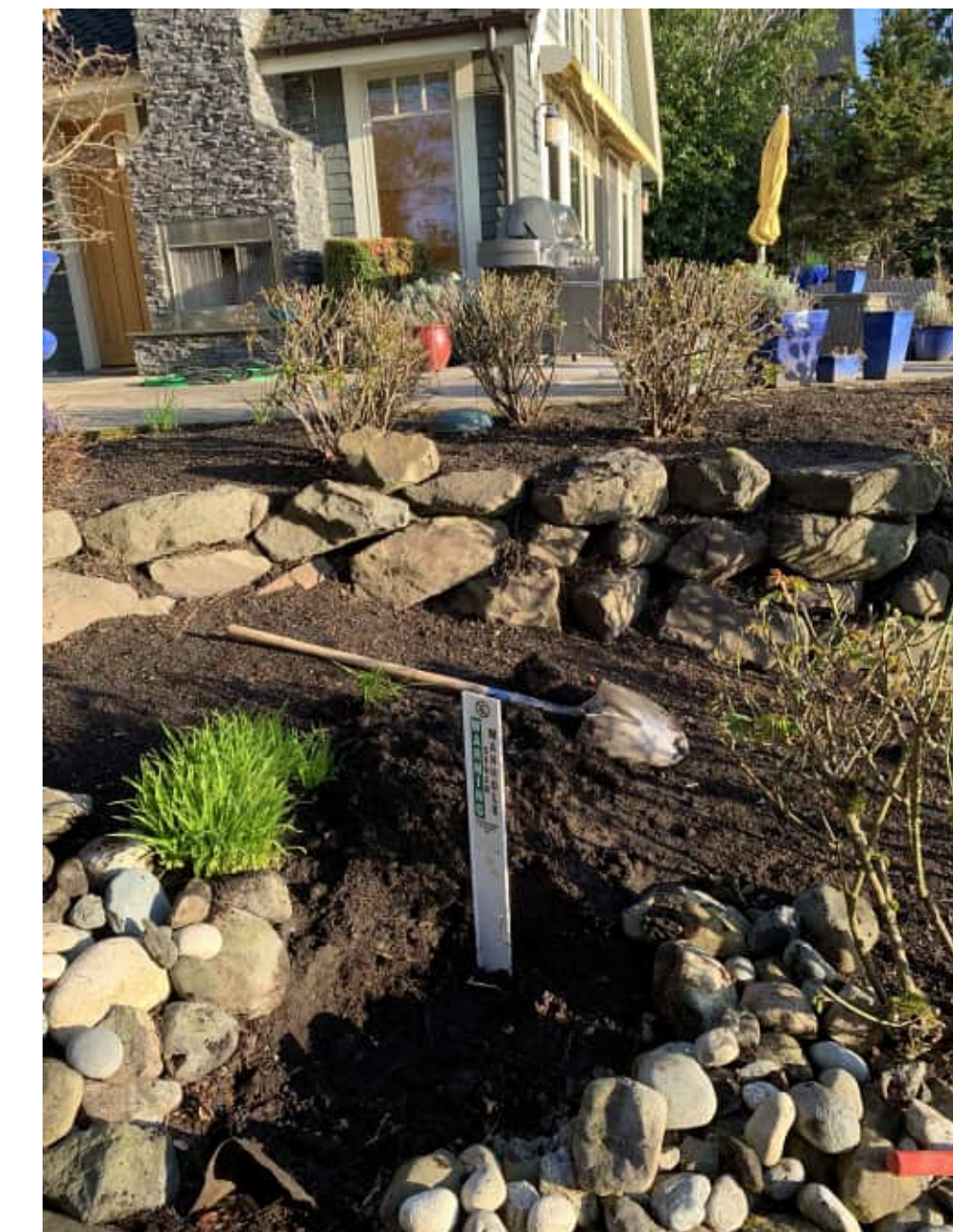
**MH LID ACCESS AT SELECT LOCATION:  
MH 40-6.1**



**MH LID ACCESS AT SELECT LOCATION:  
MH 40-953**

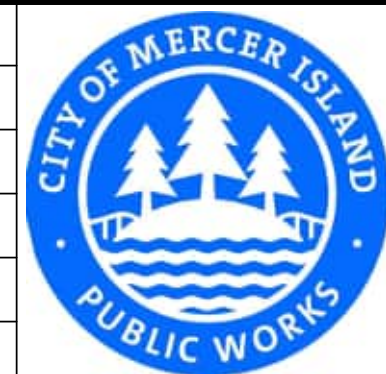


**MH LID ACCESS AT SELECT LOCATION:  
MH 40-6.0**



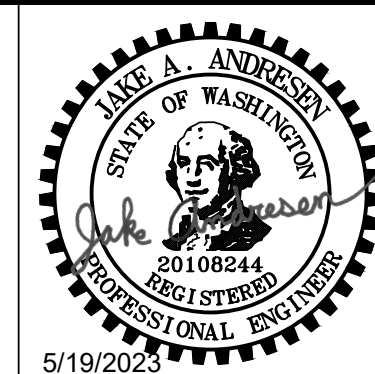
**MH LID ACCESS AT SELECT LOCATION:  
MH 40-2.3**

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DESIGN REVIEW:	K. STAHELI		
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**BASIN 40 CIPP  
SEWER LINING PROJECT-  
PHASE 2**

MH LID ACCESS PHOTOS (2)





**MH LID ACCESS AT SELECT LOCATION:**  
**MH 40-47**

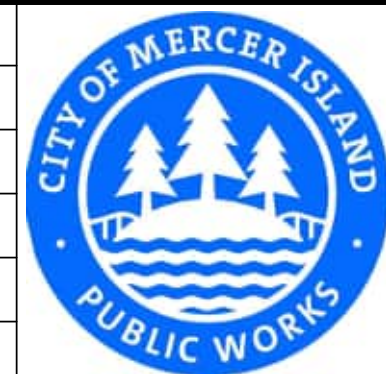


**MH LID ACCESS AT SELECT LOCATION:**  
**MH 40-5 (1)**



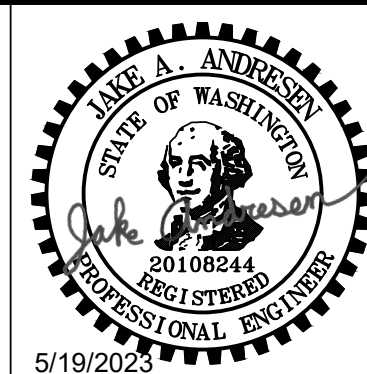
**MH LID ACCESS AT SELECT LOCATION:**  
**MH 40-5 (2)**

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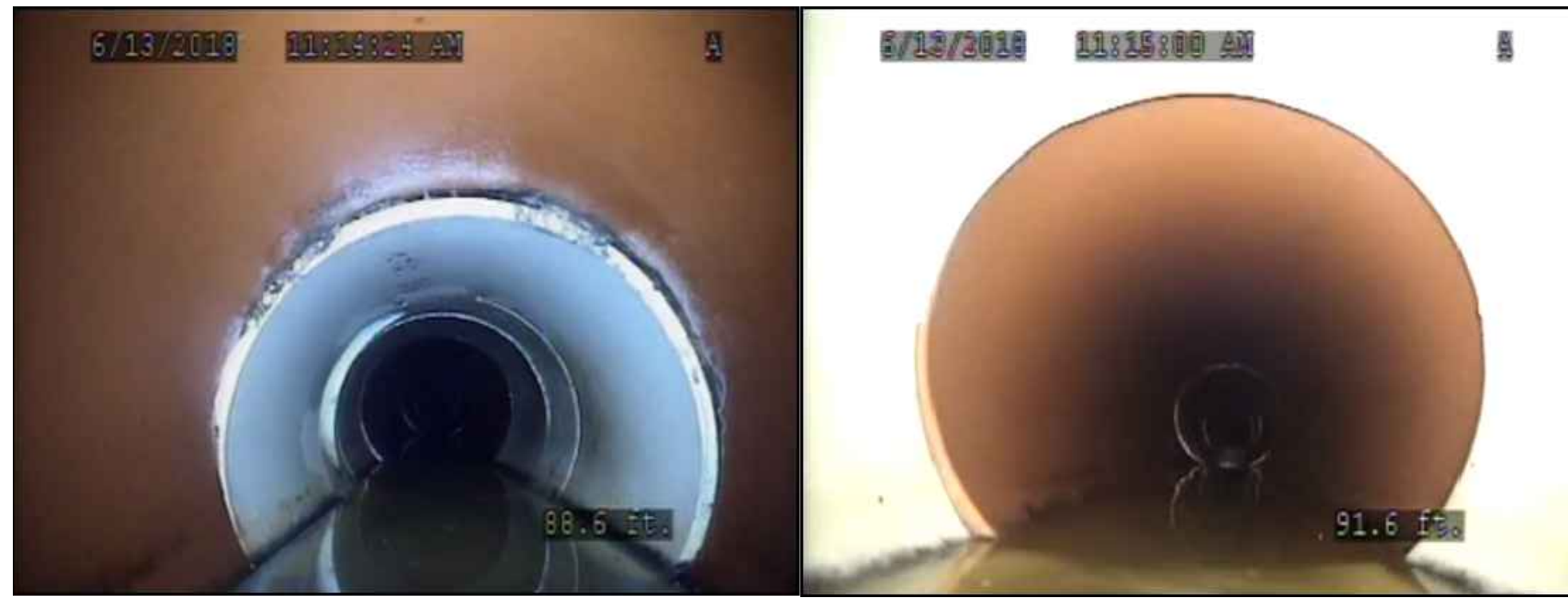
**BASIN 40 CIPP  
SEWER LINING PROJECT-  
PHASE 2**

**MH LID ACCESS PHOTOS (3)**





EXISTING MAINLINE CONDITIONS AT SELECT LOCATIONS:  
MH 10 TO MH 9



EXISTING MAINLINE CONDITIONS AT SELECT LOCATIONS:  
MH 2.1 TO MH 2.2



EXISTING MAINLINE CONDITIONS AT SELECT LOCATIONS:  
MH 32.1 TO MH 32



EXISTING MAINLINE CONDITIONS AT SELECT LOCATIONS:  
MH 11 TO MH 10



EXISTING MAINLINE CONDITIONS AT SELECT LOCATIONS:  
MH 32 TO MH 31



EXISTING MAINLINE CONDITIONS AT SELECT LOCATIONS:  
MH 32.2 TO MH 32.1



EXISTING MAINLINE CONDITIONS AT SELECT LOCATIONS:  
MH 12 TO MH 11



EXISTING MAINLINE CONDITIONS AT SELECT LOCATIONS:  
MH 32 TO MH 31



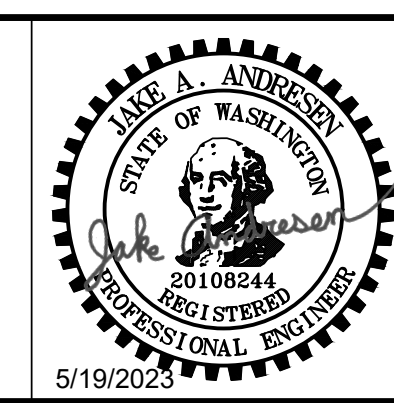
EXISTING MAINLINE CONDITIONS AT SELECT LOCATIONS:  
MH 33 TO MH 32

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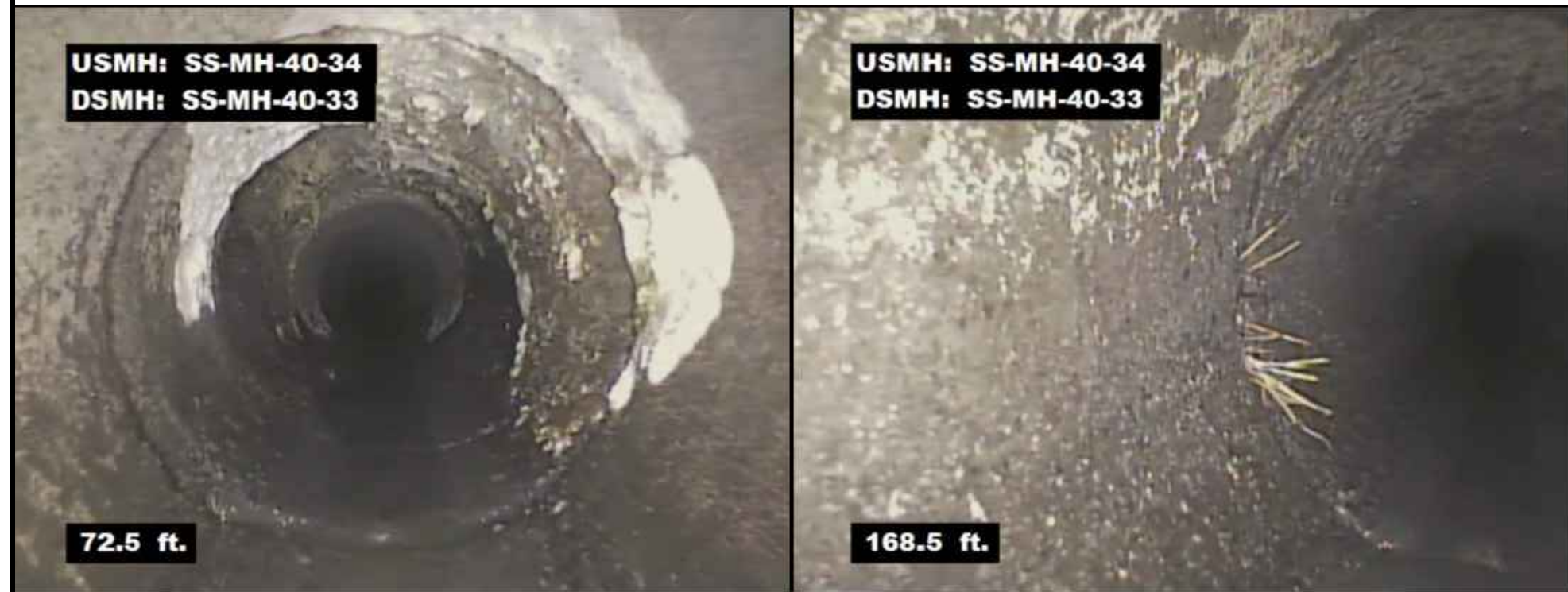


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CAD REVIEW:	T. BUYS	V:	N/A
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DESIGN REVIEW:	K. STAHELI		
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BASIN 40 CIPP  
SEWER LINING PROJECT-  
PHASE 2

EXISTING SEWER MAIN PHOTOS (1)





EXISTING MAINLINE CONDITIONS AT SELECT LOCATIONS:  
MH 34 TO MH 33



EXISTING MAINLINE CONDITIONS AT SELECT LOCATIONS:  
MH 5 TO MH 6



EXISTING MAINLINE CONDITIONS AT SELECT LOCATIONS:  
MH 64 TO MH 63



EXISTING MAINLINE CONDITIONS AT SELECT LOCATIONS:  
MH 5 TO MH 6



EXISTING MAINLINE CONDITIONS AT SELECT LOCATIONS:  
MH 56 TO MH 55



EXISTING MAINLINE CONDITIONS AT SELECT LOCATIONS:  
MH 68 TO 67



EXISTING MAINLINE CONDITIONS AT SELECT LOCATIONS:  
MH 5 TO MH 6



EXISTING MAINLINE CONDITIONS AT SELECT LOCATIONS:  
MH 6.1 TO MH 6



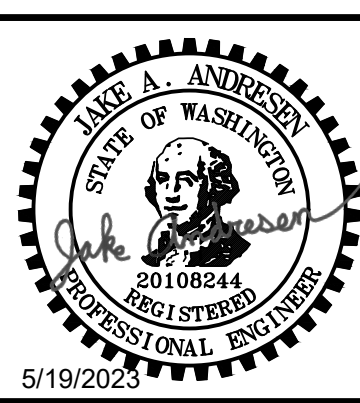
EXISTING MAINLINE CONDITIONS AT SELECT LOCATIONS:  
MH 68 TO MH 67

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DESIGNER:	J. ANDRESEN	DATE:	5/19/23
DESIGN REVIEW:	K. STAHELI	CITY BID#	23-02
SEC:	TWN:	RNG:	
17/18	T24N	R5E	

BASIN 40 CIPP  
SEWER LINING PROJECT-  
PHASE 2

EXISTIN SEWER MAIN PHOTOS (2)

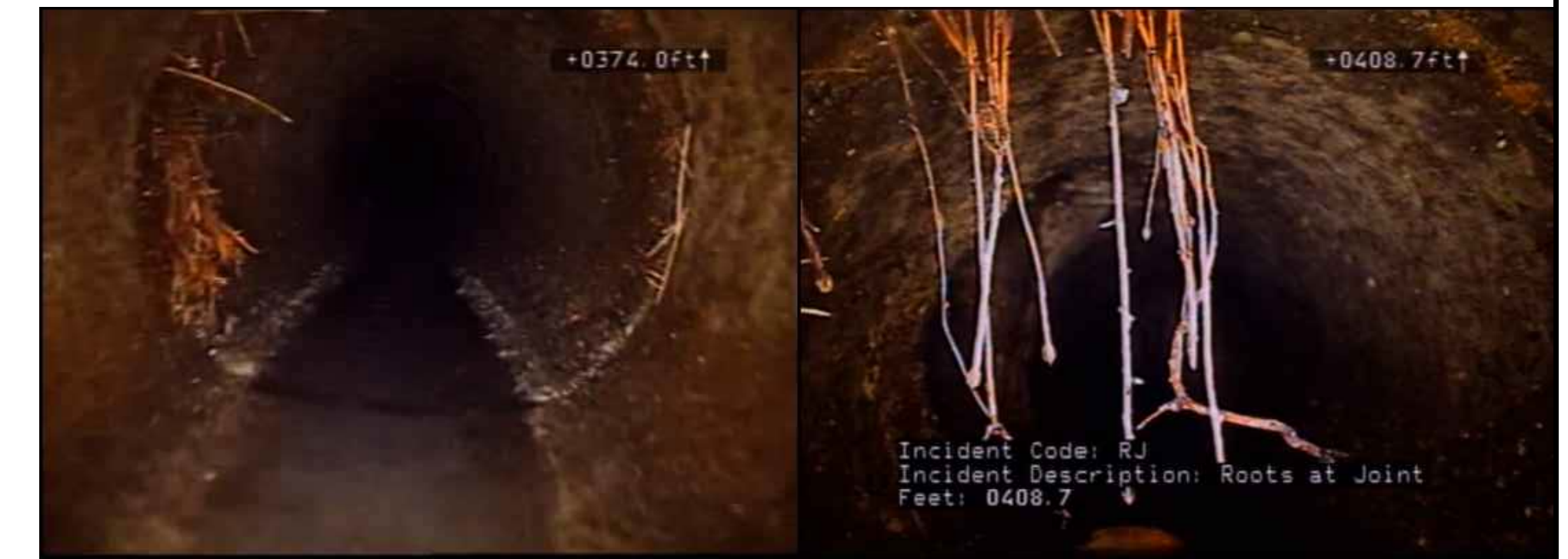




EXISTING MAINLINE CONDITIONS AT SELECT LOCATIONS:  
MH 71 TO MH 70



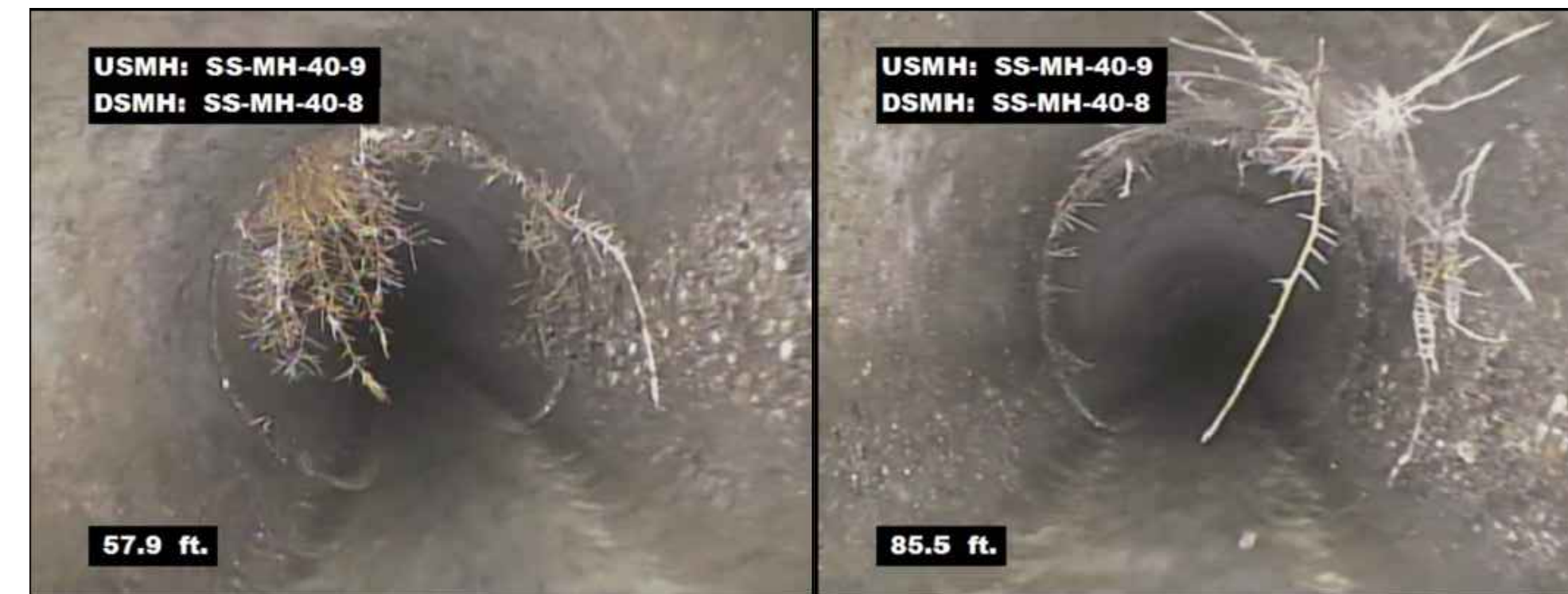
EXISTING MAINLINE CONDITIONS AT SELECT LOCATIONS:  
MH 72 TO MH 71



EXISTING MAINLINE CONDITIONS AT SELECT LOCATIONS:  
MH 72 TO MH 73

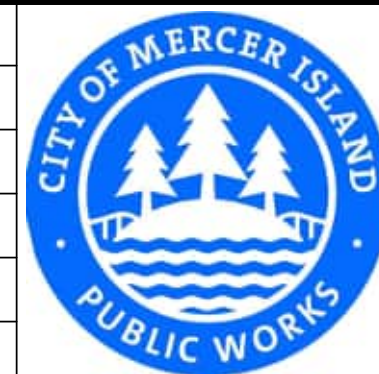


EXISTING MAINLINE CONDITIONS AT SELECT LOCATIONS:  
MH 82 TO MH 81



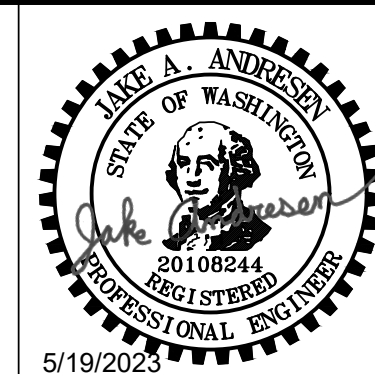
EXISTING MAINLINE CONDITIONS AT SELECT LOCATIONS:  
MH 9 TO MH 8

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DESIGNER:	J. ANDRESEN	DATE:	5/19/23
DESIGN REVIEW:	K. STAHELI		
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			R5E

BASIN 40 CIPP  
SEWER LINING PROJECT-  
PHASE 2

EXISTING SEWER MAIN PHOTOS (3)





**EXISTING LATERAL CONDITIONS AT SELECT LOCATIONS:  
MH 2.1 TO MH 2.2, STA 1+65**



**EXISTING LATERAL CONDITIONS AT SELECT LOCATIONS:  
MH 6.1 TO MH 6, STA 0+29**

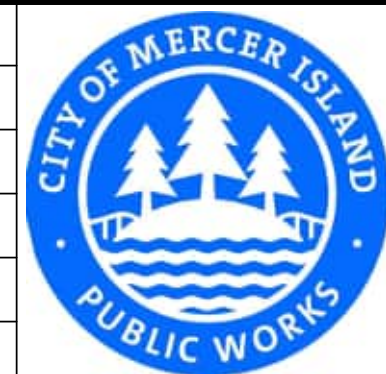


**EXISTING LATERAL CONDITIONS AT SELECT LOCATIONS:  
MH 32.2 TO MH 32.1, STA 0+07**



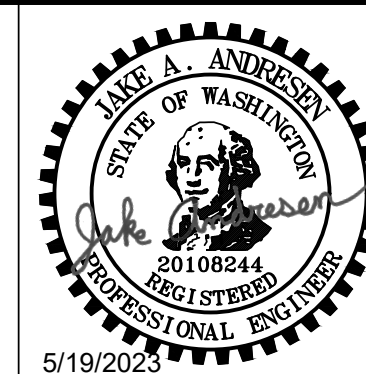
**EXISTING LATERAL CONDITIONS AT SELECT LOCATIONS:  
MH 76 TO MH 75, STA 0+01**

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DESIGN REVIEW:	K. STAHELI	CITY BID#	23-02
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**BASIN 40 CIPP SEWER LINING PROJECT- PHASE 2**  
**EXISTING LATERAL CONNECTION PHOTOS**