



Madison, Wisconsin

INDEX OF SHEETS

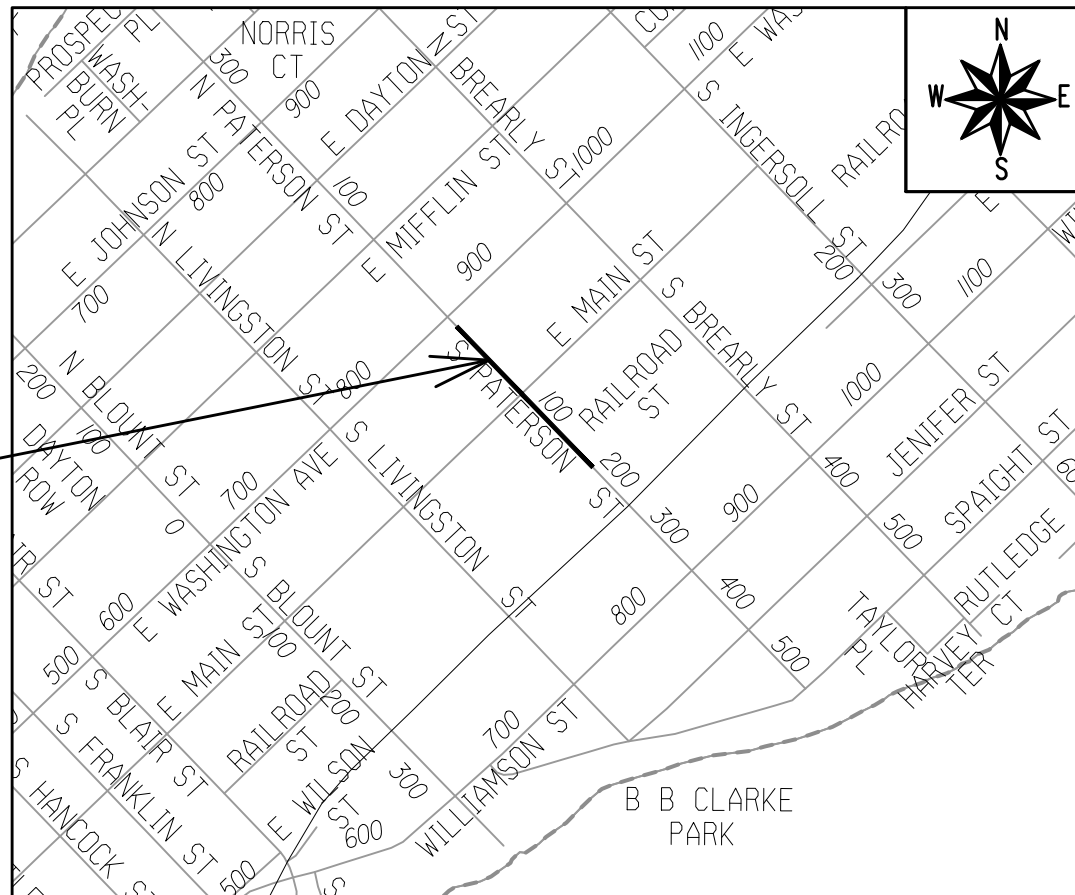
SHEET NO. U1-U2	SEWER PLAN & PROFILES
SHEET NO. U3	SANITARY SEWER SCHEDULE
SHEET NO. M1-M3	PAVEMENT MARKING PLAN

CITY OF MADISON
CITY ENGINEERING DIVISION
DEPARTMENT OF PUBLIC WORKS
PLAN OF PROPOSED IMPROVEMENT

S. PATERSON STREET SANITARY SEWER
REPLACEMENT ASSESSMENT DISTRICT - 2024

CITY PROJECT NO. 15332
CONTRACT NO. 9561

PROJECT
LOCATION



PUBLIC IMPROVEMENT PROJECT
APPROVED

AUGUST 6, 2024.

BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

Julie

Aug 16, 2024

City Engineer

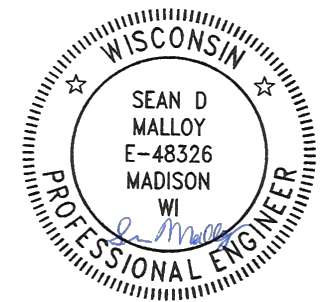
Date

SANITARY SEWER
DESIGNED BY:



Aug 16, 2024

PAVEMENT MARKING
DESIGNED BY:



Aug 16, 2024

ADDENDUM #1 08/26/2024
REVISED SHEETS: TITLE, U2, U3, M1-M3

PLOT SCALE: 1:1_XREF

PLOT NAME: ---

REV. DATE: 8/14/2024 3:27 PM

ORIGINATOR: CITY_OF_MADISON



Madison, Wisconsin

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CITY OF MADISON

CITY ENGINEERING DIVISION

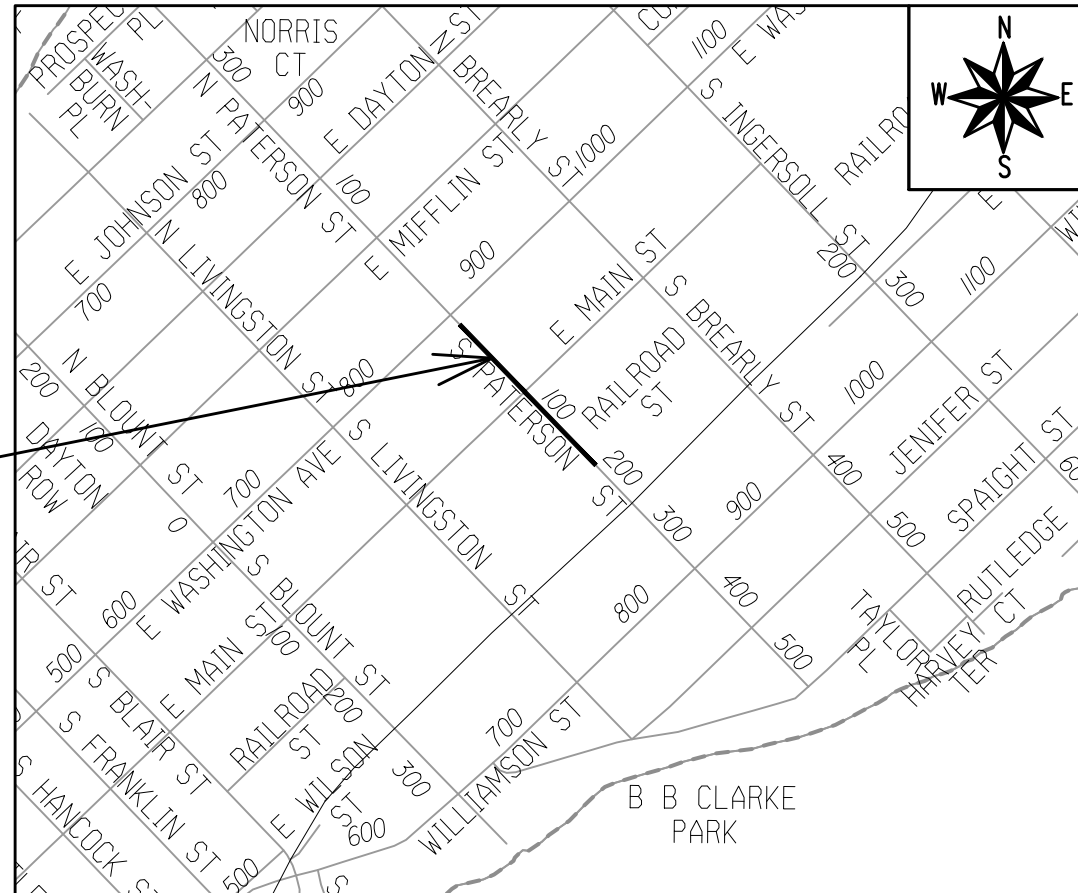
DEPARTMENT OF PUBLIC WORKS

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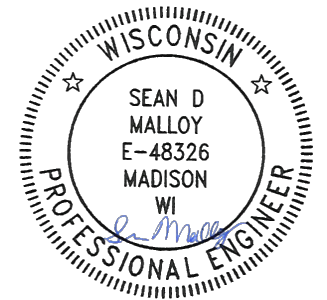
Date

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DESIGNED BY:



Aug 16, 2024

PAVEMENT MARKING
DESIGNED BY:



Aug 16, 2024

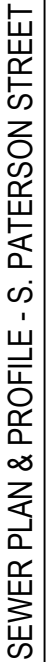
ADDENDUM #1 08/26/2024
REVISED SHEETS: TITLE, U2, U3, M1-M3

REVISION #1 10/23/2024
REVISED SHEETS: TITLE, U2, U3

1. INLET PROTECTION, RIGID FRAME, SHALL BE INSTALLED IN ALL INLETS ADJACENT TO THE PROJECT LIMITS AND AT INTERSECTIONS WITHIN ONE (1) BLOCK OF THE PROJECT LIMITS
2. CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT ALL LOCATIONS AS DIRECTED IN THE FIELD BY CITY ENGINEERING
3. STREET SWEEPING SHALL OCCUR AT THE END OF EACH WORK DAY

NOTE: TYPE III TRENCH PATCH SHALL BE USED TO RESTORE PAVEMENT DAMAGED BY SANITARY SEWER INSTALLATION. IF WEATHER DOES NOT ALLOW ASPHALT, TEMP CONCRETE (7" OF CONCRETE ON 12" CRUSHED STONE BASE) SHALL BE USED AS AN ALTERNATIVE UNTIL WEATHER ALLOWS FOR TYPE III TRENCH PATCHING. TEMP CONCRETE PATCHING SHALL BE INCIDENTAL TO TYPE III TRENCH PATCH ITEM.

APPROX. LOCATION AND EXCAVATION
LIMITS OF CONTAMINATED SOILS.
(100'L X 8'W X BETWEEN 2' & 5' BELOW SURFACE)



S. PATERSON ST SANITARY SEWER REPLACEMENT ASSESS DIST - 2024

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CONTRACT NO:

15332

MADISON, WI

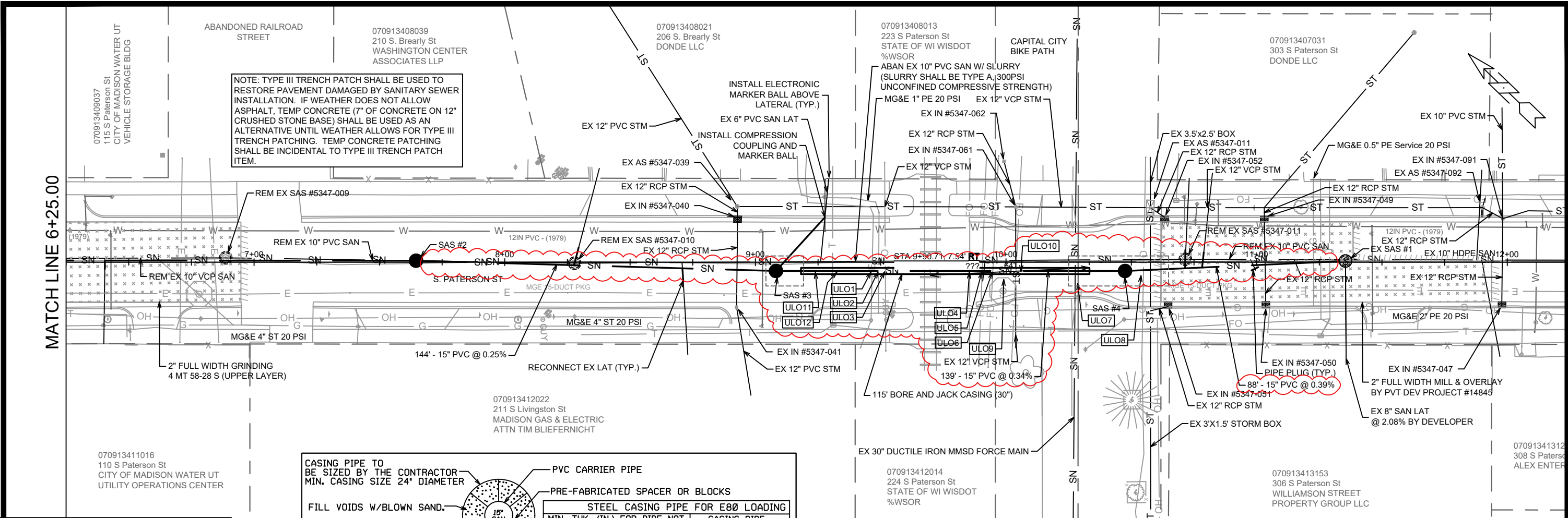
9561

MARK	REVISION	DATE	BY
15332	Date: 8/15/2024 2:15 PM	Scale: 1" = 40'	U-1



15332

U-1



- EC NOTES:
1. INLET PROTECTION, RIGID FRAME, SHALL BE INSTALLED IN ALL INLETS ADJACENT TO THE PROJECT LIMITS AND AT INTERSECTIONS WITHIN ONE (1) BLOCK OF THE PROJECT LIMITS
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CASING PIPE TO BE SIZED BY THE CONTRACTOR
MIN. CASING SIZE 24" DIAMETER

FILL VOIDS W/BLOWN SAND.

NOTE:
WALL THICKNESS FOR STEEL CASING PIPE WITH 35,000 P.S.I. MIN. YIELD STRENGTH.

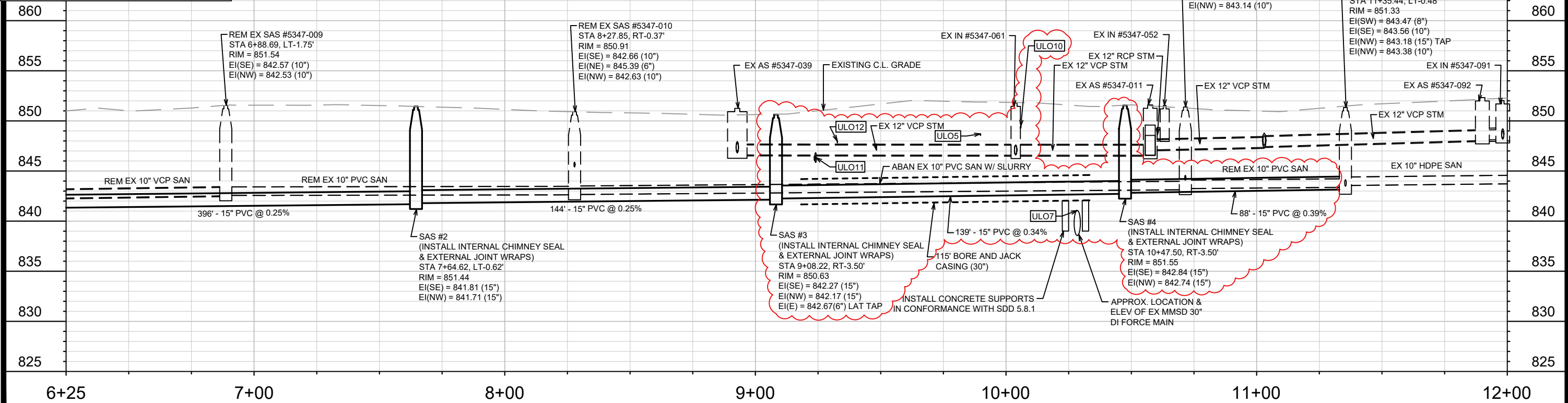
PVC CARRIER PIPE

PRE-FABRICATED SPACER OR BLOCKS

STEEL CASING PIPE FOR E80 LOADING	
MIN. THK. (IN.) FOR PIPE NOT CATHODICALLY PROTECTED	CASING PIPE DIAMETER (IN.)
0.3750	18 - 22
0.4375	22 - 25
0.5000	25 - 32
0.5625	32 - 38
0.6250	38 - 42

RAILROAD CASING PIPE DETAIL

NOT TO SCALE



15332

SANITARY SEWER

10/23/24

8/26/24

KDF

DATE

BY

REVISION

Scale: 1" = 40'

Designed By: KDF

15332

15332

MADISON, WI

ASSESS DIST - 2024

CONTRACT NO: 9561

SEWER PLAN & PROFILE - S. PATERSON STREET

S. PATERSON ST SANITARY SEWER REPLACEMENT ASSESS DIST - 2024

U-2

15332

U-2

SANITARY SEWER SCHEDULE

*ADDEN 8/26/24 KDF

**REV 10/23/24 KDF

S. PATERSON ST SANITARY SEWER

ASSESS DIST - 2024

SHEET NO.

U-3

SANITARY SEWER SCHEDULE

CITY OF MADISON

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
PATERSON STREET						
SAS #1	3+68.73	LT-0.82	850.75	840.72	10.03	[1], [2]
SAS #2	7+64.62	LT-0.62	851.44	841.71	9.73	[1], [2]
** SAS #3	9+08.22	RT-3.50	850.63	842.17	8.46	[1], [2]
** SAS #4	10+47.50	RT-3.50	851.55	842.74	8.81	[1], [2]

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN (PAY) LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
PATERSON STREET								
EX SAS #5347-015	SAS#1	839.89	840.62	290	0.25%	15"	SDR-35	-
SAS #1	SAS #2	840.72	841.71	396	0.25%	15"	SDR-35	-
SAS #2	SAS #3	841.81	842.17	144	0.25%	15"	SDR-35	-
** SAS #3	SAS #4	842.27	842.74	139	0.34%	15"	SDR-35	-
** SAS #4	EX SAS#1	842.84	843.18	88	0.39%	15"	SDR-35	-

REMOVE SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
PATERSON STREET						
EX SAS #5347-006	3+68.73	LT-0.82	850.76	841.38	9.38	-
EX SAS #5347-009	6+88.69	LT-1.75	851.54	842.53	9.01	-
EX SAS #5347-010	8+27.85	RT-0.37	850.91	842.63	8.28	-
EX SAS #5347-011	10+71.55	LT-1.18	851.38	843.14	8.24	-

REMOVE AND ABANDON SANITARY PIPES

FROM DOWNSTREAM	TO UPSTREAM	REM LENGTH	PAID (Y/N)	PAID REM LENGTH	ABN LENGTH	PIPE SIZE	PIPE TYPE	NOTES
PATERSON STREET								
EX SAS #5347-015	EX SAS #5347-006	290	N	-	-	10"	PVC	-
EX SAS #5347-006	EX SAS #5347-009	320	N	-	-	10"	VCP	-
EX SAS #5347-009	EX SAS #5347-010	139	N	-	-	10"	PVC	-
EX SAS #5347-010	EX SAS #5347-011	-	Y	-	244	10"	PVC	ABAN W/ SLURRY
EX SAS #5347-011	EX SAS #1	64	Y	17	-	10"	PVC	-

ADJUST EXISTING SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOC	PROP TOC	ADJ (FT)	NOTES
PATERSON STREET						
EX SAS #5347-015	0+78.64	LT-0.42	849.67	849.67	0.00	-

SANITARY SEWER ULOS

ULO NO.	STATION	LOCATION (OFFSET)	TYPE	TOP ELEV.	NOTES
PATERSON STREET					
** ULO1A	9+45.95	RT-3.50	4" FIBER OPTIC	849.18	OK
** ULO1B	9+46.45	RT-3.40	4" FIBER OPTIC	849.02	OK
** ULO2A	9+48.35	RT-9.40	1" GAS	849.09	OK
** ULO2B	9+49.65	RT-2.35	FIBER OPTIC	N/A	EXCAVATED TO 13' W/O FINDING
** ULO2C	9+50.05	RT-4.15	FIBER OPTIC	N/A	EXCAVATED TO 13' W/O FINDING
** ULO3A	9+51.70	RT-2.95	4" FIBER OPTIC	849.32	OK
** ULO3B	9+52.25	RT-1.25	FIBER OPTIC	N/A	LOCATED SPRAY MARK
** ULO3C	9+54.15	RT-2.50	FIBER OPTIC	N/A	EXCAVATED TO 13' W/O FINDING
** ULO3D	9+53.80	RT-4.85	FIBER OPTIC	N/A	EXCAVATED TO 13' W/O FINDING
** ULO4	9+85.00	RT-3.10	4" FIBER OPTIC	846.55	OK
** ULO5A	9+89.85	RT-5.25	2" FIBER OPTIC	848.71	OK
** ULO5B	9+90.85	RT-4.20	FIBER OPTIC	N/A	EXCAVATED TO 11' W/O FINDING
** ULO5C	9+90.70	RT-7.55	FIBER OPTIC	N/A	EXCAVATED TO 11' W/O FINDING

SANITARY SEWER ULOS

ULO NO.	STATION	LOCATION (OFFSET)	TYPE	TOP ELEV.	NOTES
PATERSON STREET					
** ULO6A	9+95.65	RT-6.15	MGE MANHOLE	843.16	TOP EDGE FLOOR - NO FIBER FOUND
** ULO6B	9+95.40	RT-6.85	MGE MANHOLE	849.36	TOP EDGE - NO FIBER FOUND
** ULO7	10+28.40	RT-8.10	30" MMSD FORCEMAIN	841.05	OK
** ULO8A	10+53.90	RT-4.75	2" FIBER OPTIC	840.61	OK
** ULO8B	10+53.95	RT-4.80	2" FIBER OPTIC	840.45	OK
** ULO8C	10+54.00	RT-4.80	2" FIBER OPTIC	840.41	OK
** ULO9A	9+99.20	RT-6.25	MGE MANHOLE	842.14	TOP EDGE FLOOR - NO FIBER FOUND
** ULO9B	10+00.00	RT-6.75	MGE MANHOLE	849.39	TOP EDGE - NO FIBER FOUND
** ULO9C	10+00.10	RT-7.55	MGE MANHOLE	849.40	TOP EDGE - NO FIBER FOUND
** ULO9D	10+00.53	RT-6.50	FIBER OPTIC	N/A	LOCATED SPRAY MARK
** ULO9E	10+01.75	RT-6.40	FIBER OPTIC	N/A	EXCAVATED TO 11' W/O FINDING
** ULO10A	10+05.95	RT-6.30	FIBER OPTIC	N/A	LOCATED SPRAY MARK
** ULO10B	10+04.50	RT-3.85	12" RCP STM SWR	847.58	OK
** ULO10C	10+05.80	RT-4.20	2" FIBER OPTIC	849.44	OK
** ULO10D	10+05.90	RT-4.20	2" FIBER OPTIC	849.47	OK
** ULO11A	9+23.65	RT-3.50	6" PH3 ELECTRIC	846.53	OK
** ULO11B	9+24.00	RT-3.55	6" PH3 ELECTRIC	846.35	OK
** ULO11C	9+24.05	RT-3.65	6" PH3 ELECTRIC	846.82	OK
** ULO12	9+32.70	RT-3.65	2" TELEPHONE	847.98	OK

SPECIFIC NOTES

- [1] INSTALL EXTERNAL SAS WRAP IN CONFORMANCE WITH SDD 5.7.2
[2] INSTALL RIGID INTERNAL CHIMNEY SEAL IN CONFORMANCE WITH SDD 5.7.17

