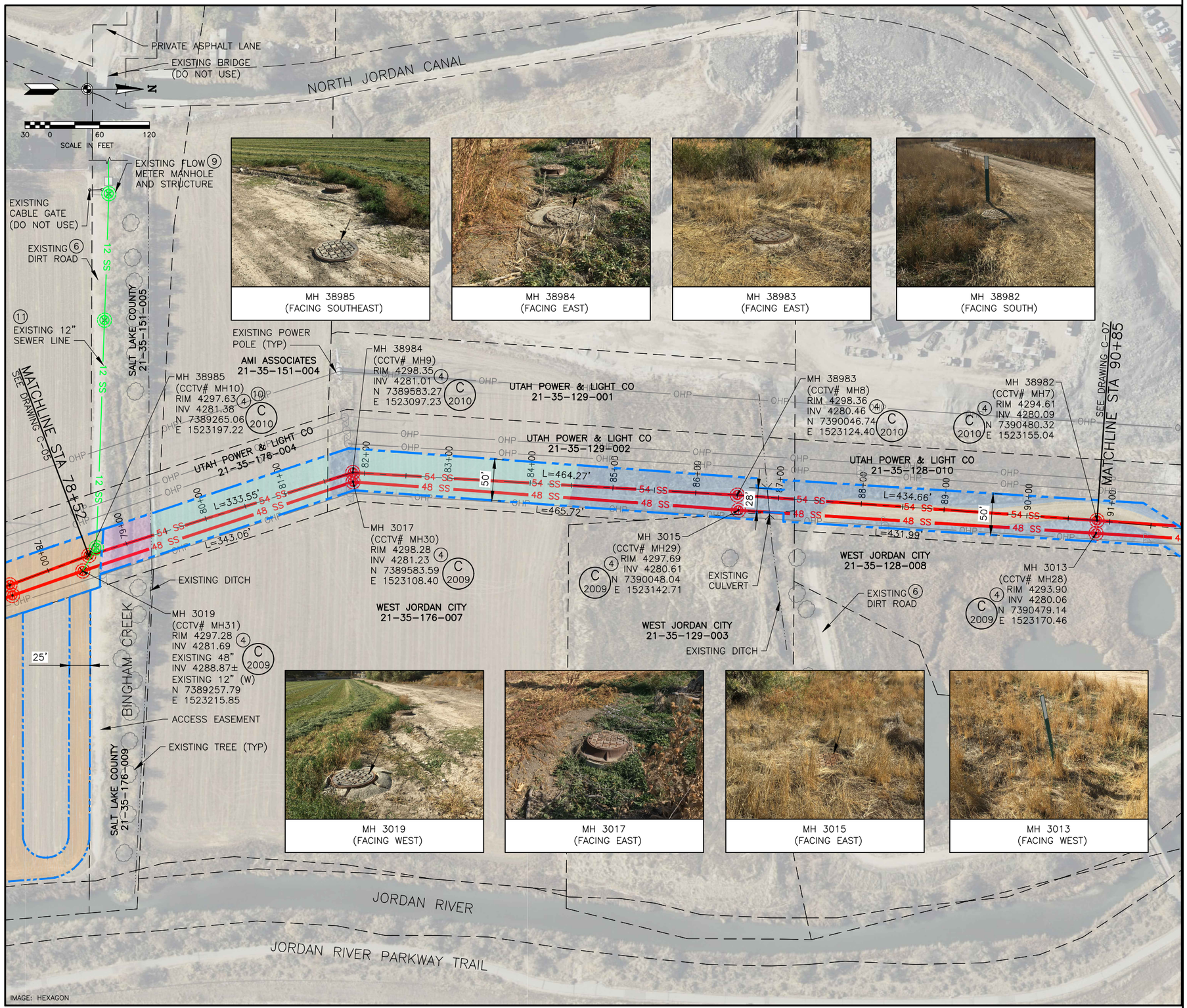


MH 38985 (FACING SOUTHEAST)

MH 38984 (FACING EAST)

MH 38983 (FACING EAST)

MH 38982 (FACING SOUTH)

MH 3019 (FACING WEST)

MH 3017 (FACING EAST)

MH 3015 (FACING EAST)

MH 3013 (FACING WEST)

LEGEND:

- EXISTING SANITARY SEWER TO BE LINED WITH CIPP LINER SEE (1)(3)
- EXISTING SANITARY SEWER
- PROPERTY LINE
- EXISTING SEWER MANHOLE
- EXISTING SEWER MANHOLE TO BE LINED SEE (2)(3)
- EASEMENT BOUNDARY/LIMITS OF DISTURBANCE
- EXISTING FENCE
- UNIMPROVED SURFACE RESTORATION, SEE (5)
- DIRT ROAD RESTORATION, SEE (6)
- EXISTING CREEK AND WETLANDS, SEE (7)
- CORN FIELD RESTORATION, SEE (8)

SHEET NOTES:

1. PRESERVE AND PROTECT ALL EXITING UTILITIES. SEE GENERAL NOTE 6 ON DRAWING NO. G-04.
2. PRESERVE AND PROTECT ALL EXISTING FENCES, DITCHES, TREES, GATES AND ALL OTHER IMPROVEMENTS. RESTORE IF DISTURBED. SEE GENERAL NOTE 4 ON DRAWING NO. G-04.

KEY NOTES:

(1) THE CIPP LINING OF ALL PIPES SHALL UTILIZE WATER CURE OR ULTRAVIOLET METHODS. ALL CURE WATER SHALL BE REINTRODUCED INTO THE TRUNK SEWER AS DESCRIBED IN SPECIFICATIONS. AT THEIR DISCRETION, OWNER MAY DIRECT THE CONTRACTOR TO UTILIZE NON-STYRENE EMITTING METHODS. REFER TO SECTION 33 01 30.72.

(2) SEE SECTION 33 01 30.82-POLYMERIC REHAB. OF BURIED CONCRETE STRUCTURE FOR DETAILS.

(3) CONTRACTOR SHALL INSTALL SILT FENCING, STABILIZED CONSTRUCTION ENTRANCES, ETC. AS PART OF THE EROSION CONTROL PLAN. SEE PROJECT NOTE 34 ON DWG NO. G-05.

(4) IF MANHOLE'S EXISTING FRAME AND COVER, CONCRETE COLLAR, GRADE RINGS, AND/OR LID ARE REQUIRED TO BE REMOVED FOR CIPP LINING WORK, THEY ARE TO BE RESTORED PER (C 2009) OR (C 2010) (SEE PLAN).

(5) PROTECT EXISTING UNIMPROVED SURFACE. CONTRACTOR SHALL CUT/MOW DOWN AND REMOVE EXISTING VEGETATION AS NEEDED TO PERFORM THE WORK. RESTORE IF DISTURBED TO MATCH OR EXCEED ORIGINAL CONDITIONS. SEE PROJECT NOTE 19 ON DRAWING NO. G-04.

(6) PROTECT EXISTING DIRT ROAD. RESTORE IF DISTURBED TO MATCH OR EXCEED ORIGINAL CONDITIONS. SEE PROJECT NOTE 21 ON DRAWING NO. G-04.

(7) PROTECT EXISTING CREEK AND WETLANDS. DO NOT DISTURB.

(8) PROTECT EXISTING CORN FIELD. RESTORE IF DISTURBED TO MATCH OR EXCEED ORIGINAL CONDITIONS. SEE PROJECT NOTE 23 ON DRAWING NO. G-04. COORDINATE ACCESS THROUGH CORN FIELD WITH CROP OWNER [KERRY ROLFE (801) 231-4903] PRIOR TO BEGINNING WORK. CROP DAMAGE COSTS MAY APPLY TO THE CONTRACTOR, SEE SPEC 00 52 13 PARAGRAPH 4.04.

(9) PROTECT EXISTING METERING STRUCTURE, MANHOLE, AND THEIR EQUIPMENT WITHIN. RESTORE IF DISTURBED. SEE GENERAL NOTE 6 ON DRAWING NO. G-04. COORDINATE WORK IN AND ACCESS TO MANHOLE AND STRUCTURE WITH WEST JORDAN CITY IF NEEDED [GREG DAVENPORT (801) 569-5077] PRIOR TO BEGINNING THE WORK.

(10) SEE DRAWING NO. RD-01 FOR EXISTING MANHOLE NO. 38985 RECORD DRAWING. EXISTING 14" DI PIPE INSIDE MANHOLE SHALL REMAIN IN PLACE AND SHALL BE PROTECTED DURING CONSTRUCTION. RESTORE IF DISTURBED.

(11) CONTRACTOR SHALL COORDINATE SEWER BYPASS OF PIPELINE WITH WEST JORDAN CITY [GREG DAVENPORT (801) 569-5077] PRIOR TO BEGINNING WORK.

BOWEN COLLINS & ASSOCIATES

PROFESSIONAL ENGINEER #343839 BRENT R. PACKER STATE OF UTAH 4/9/2021

NO.	DATE	REV. BY	DESCRIPTION
			REVISIONS

SOUTH VALLEY WATER RECLAMATION FACILITY
WEST JORDAN, UTAH

SOUTH SEWER INTERCEPTOR CIPP PROJECT

DESIGN D. COWELL
DRAWN T. ANDERSON
CHECKED S. MEYER
APPROVED B. PACKER
REVIEW

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING

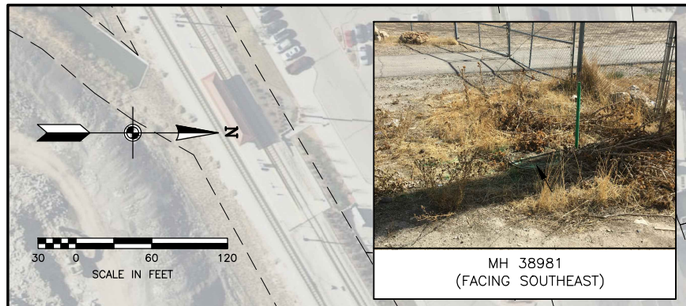
CIVIL

SEWER PIPELINE AND MANHOLE REHABILITATION - 6

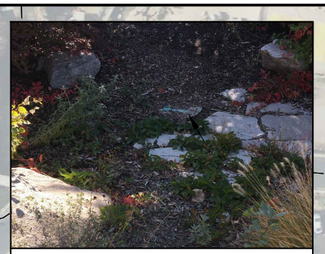
DATE: APRIL 2021
PROJECT NUMBER 177-20-01

DRAWING NO. C-06
SHEET 14 OF 37

P:\South Valley WRF\177-20-01 South Sewer Interceptor CIPP Project\2,0 Design Phase\2,7 Drawings\sht\1772001_C-06.dwg Plotted: 4/23/2021 12:07 PM By: Brent Packer



MH 38981
(FACING SOUTHEAST)



MH 38980
(FACING SOUTH)

MH 38979
(FACING NORTHEAST)

MH 38977
(FACING NORTHWEST)

MHS 4 & 5 (BURIED MH)
(APPROX. LOCATION)
(FACING WEST)

MH 3010
(FACING WEST)

MH 13949
(FACING EAST)

MH 3007
(FACING NORTHEAST)

MH 3005
(BURIED MH)
(APPROX. LOCATION)
(FACING EAST)

IMAGE: HEXAGON

SHEET NOTES:

1. PRESERVE AND PROTECT ALL EXITING UTILITIES. SEE GENERAL NOTE 6 ON DRAWING NO. G-04.
2. PRESERVE AND PROTECT ALL EXISTING FENCES, DITCHES, TREES, GATES AND ALL OTHER IMPROVEMENTS. RESTORE IF DISTURBED. SEE GENERAL NOTE 4 ON DRAWING NO. G-04.

KEY NOTES:

(1) THE CIPP LINING OF ALL PIPES SHALL UTILIZE WATER CURE OR ULTRAVIOLET METHODS. ALL CURE WATER SHALL BE REINTRODUCED INTO THE TRUNK SEWER AS DESCRIBED IN SPECIFICATIONS. AT THEIR DISCRETION, OWNER MAY DIRECT THE CONTRACTOR TO UTILIZE NON-STYRENE EMITTING METHODS. REFER TO SECTION 33 01 30.72.

(2) SEE SECTION 33 01 30.82-POLYMERIC REHAB. OF BURIED CONCRETE STRUCTURE FOR DETAILS.

(3) CONTRACTOR SHALL INSTALL SILT FENCING, STABILIZED CONSTRUCTION ENTRANCES, ETC. AS PART OF THE EROSION CONTROL PLAN. SEE PROJECT NOTE 34 ON DRAWING NO. G-05.

(4) IF MANHOLE'S EXISTING FRAME AND COVER, CONCRETE COLLAR, GRADE RINGS, AND/OR LID ARE REQUIRED TO BE REMOVED FOR CIPP LINING WORK, THEY ARE TO BE RESTORED PER (C 2009) OR (C 2010) (SEE PLAN).

(5) PROTECT EXISTING UNIMPROVED SURFACE. CONTRACTOR SHALL CUT/MOW DOWN AND REMOVE EXISTING VEGETATION AS NEEDED TO PERFORM THE WORK. RESTORE IF DISTURBED TO MATCH OR EXCEED ORIGINAL CONDITIONS. SEE PROJECT NOTE 19 ON DRAWING NO. G-04.

(6) PROTECT EXISTING DIRT ROAD. RESTORE IF DISTURBED TO MATCH OR EXCEED ORIGINAL CONDITIONS. SEE PROJECT NOTE 21 ON DWG NO. G-04.

(7) PROTECT EXISTING GRAVEL ROAD. RESTORE IF DISTURBED TO MATCH OR EXCEED ORIGINAL CONDITIONS. SEE PROJECT NOTE 20 ON DWG NO. G-04.

(8) PROTECT EXISTING JORDAN RIVER TRAIL. RESTORE IF DISTURBED TO MATCH OR EXCEED ORIGINAL CONDITIONS. SEE (C 2007)

LEGEND:

- SS — EXISTING SANITARY SEWER TO BE LINED WITH CIPP LINER SEE (1)(3)
- SS — EXISTING SANITARY SEWER
- PROPERTY LINE
- EXISTING SEWER MANHOLE
- EXISTING SEWER MANHOLE TO BE LINED SEE (2)(3)
- EASEMENT BOUNDARY/LIMITS OF DISTURBANCE
- X — EXISTING FENCE
- UNIMPROVED SURFACE RESTORATION, SEE (5)
- DIRT ROAD RESTORATION, SEE (6)
- GRAVEL ROAD RESTORATION, SEE (7)
- JORDAN RIVER TRAIL RESTORATION, SEE (8)(14)
- LANDSCAPE RESTORATION, SEE (9)
- ASPHALT ROAD RESTORATION, SEE (10)(14)

TRAIL SHALL REMAIN OPEN. SEE PROJ NOTE 35, DWG NO G-04 IF DETOUR IS REQUIRED.

(9) PROTECT EXISTING LANDSCAPING. RESTORE IF DISTURBED TO MATCH OR EXCEED ORIGINAL CONDITIONS. SEE PROJECT NOTE 24 ON DRAWING NO. G-04. COORDINATE ACCESS THROUGH LANDSCAPING WITH PROPERTY OWNER [GARDNER VILLAGE OR DAVE KONCAR (801) 566-8903] PRIOR TO BEGINNING WORK.

(10) PROTECT EXISTING ASPHALT ROAD. RESTORE IF DISTURBED TO MATCH OR EXCEED ORIGINAL CONDITIONS. SEE (C 2005) SIM. COORDINATE ACCESS THROUGH AND USE OF ASPHALT ROAD WITH PROPERTY OWNER [GARDNER VILLAGE OR DAVE KONCAR (801) 566-8903] PRIOR TO BEGINNING WORK. CONTRACTOR MAY CLOSE OFF ASPHALT ROAD AREA LOCATED WITHIN THE EASEMENT BOUNDARY/LIMITS OF DISTURBANCE TO THE PUBLIC DURING THE WORK.

(11) PROTECT EXISTING METERING STRUCTURE, MANHOLE, AND THEIR EQUIPMENT WITHIN. RESTORE IF DISTURBED. SEE GENERAL NOTE 6 ON DRAWING NO. G-04. COORDINATE WORK IN AND ACCESS TO MANHOLE AND STRUCTURE WITH WEST JORDAN CITY IF NEEDED [GREG DAVENPORT (801) 569-5077) PRIOR TO BEGINNING THE WORK.

(12) COORDINATE WITH SVWRF TO UNCOVER BURIED MANHOLE PRIOR TO BEGINNING WORK. AFTER LINING WORK HAS BEEN COMPLETED, INSTALL CONCRETE GRADE RINGS AND MASTIC AS NEEDED TO RAISE EXISTING FRAME SO THAT ITS COVER IS 6" ABOVE EXISTING GRADE. SEE (C 2010) OR (C 2009) SIM (SEE PLAN).

(13) CONTRACTOR SHALL COORDINATE ACCESS THROUGH EXISTING GATE WITH SVWRF PRIOR TO WORK.

(14) WHERE SEWER BYPASS LINES CROSS OVER THE JORDAN RIVER TRAIL AND ASPHALT ROAD, CONTRACTOR SHALL INSTALL A BRIDGE AND/OR RAMP WITH WARNING SIGNS AS NEEDED TO PROVIDE SAFE ACCESS AND PASSAGE FOR ALL VEHICULAR AND PEDESTRIAN TRAFFIC. SEE PROJECT NOTE 16 ON DRAWING NO. G-04.

(15) REPLACE EXISTING SVSD MANHOLE COVER WITH NEW VENTED D&L A-1180 30" MANHOLE COVER MARKED "SEWER". RETURN EXISTING COVER TO SVWRF.

(16) JORDAN RIVER TRAIL SHALL REMAIN OPEN AND ACCESSIBLE TO THE PUBLIC DURING CONSTRUCTION. CONTRACTOR SHALL NOT STAGE ON THE TRAIL. STAGING AREA MAY GO UP TO THE EDGE OF THE TRAIL WITHOUT IMPEDING ITS TRAFFIC.

(17) CONTRACTOR SHALL COORDINATE SEWER BYPASS OF PIPELINE WITH WEST JORDAN CITY [GREG DAVENPORT (801) 569-5077] PRIOR TO BEGINNING WORK.

BOWEN COLLINS & ASSOCIATES

PROFESSIONAL ENGINEER #343839 BRENT RICHARD PACKER STATE OF UTAH LICENSED 4/9/2021

NO.	DATE	REV. BY	DESCRIPTION
			REVISIONS

PROJECT
SOUTH VALLEY WATER RECLAMATION FACILITY
SOUTH SEWER INTERCEPTOR CIPP PROJECT
WEST JORDAN, UTAH

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING

REVIEW
CHECKED S. MEYER
APPROVED B. PACKER

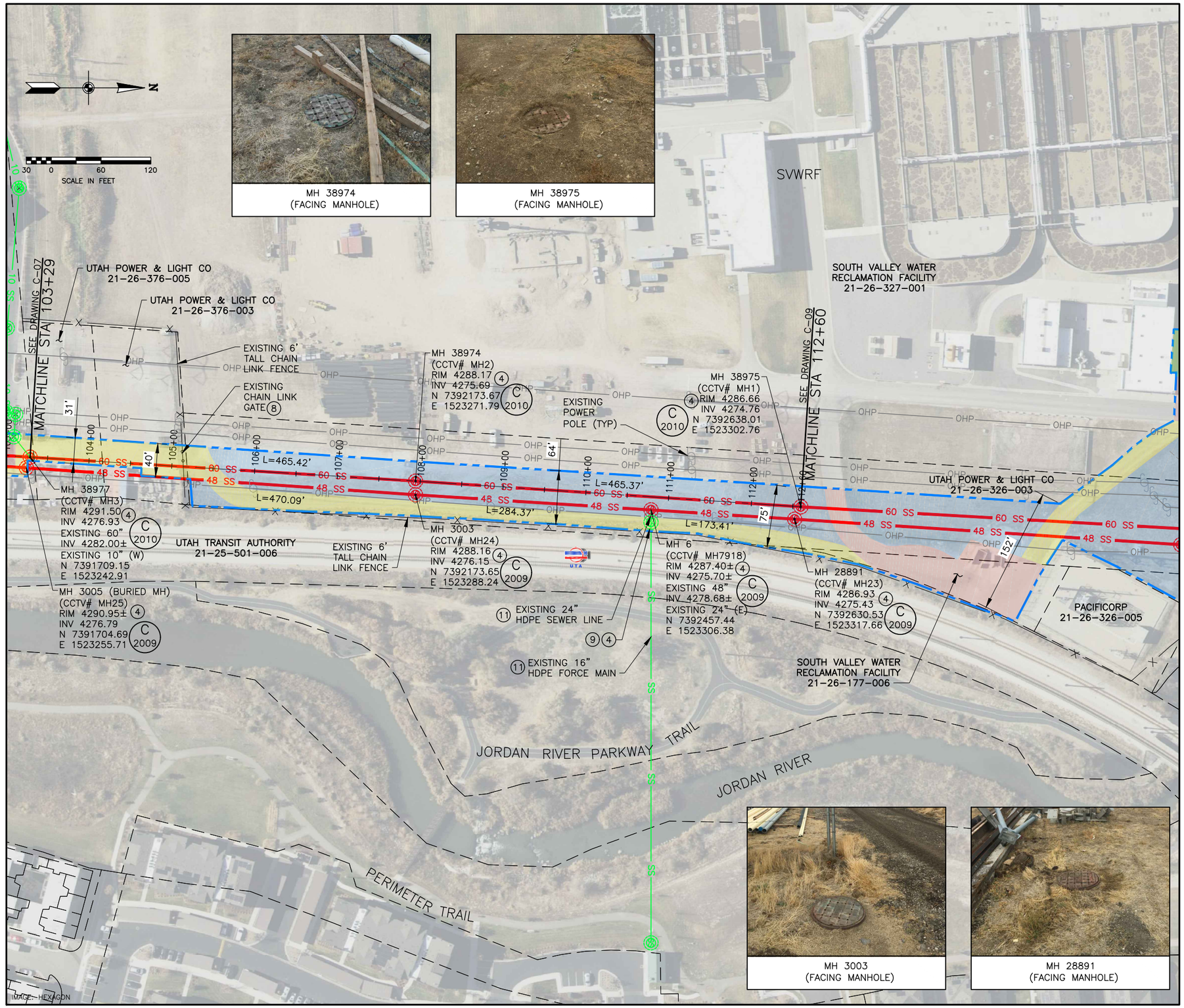
DESIGN
DESIGN D. COWELL
DRAWN T. ANDERSON

CIVIL
SEWER PIPELINE AND MANHOLE REHABILITATION - 7

DATE: APRIL 2021
PROJECT NUMBER 177-20-01

DRAWING NO.
C-07
SHEET 15 OF 37

P:\South Valley WRF\177-20-01 South Sewer Interceptor CIPP Project\2,0 Design Phase\2,7 Drawings\sht\1772001_C-07.dwg Plotted: 4/23/2021 12:17 PM By: Brent Packer



LEGEND:

- SS — EXISTING SANITARY SEWER TO BE LINED WITH CIPP LINER SEE (1)(3)
- SS — EXISTING SANITARY SEWER
- PROPERTY LINE
- EXISTING SEWER MANHOLE
- EXISTING SEWER MANHOLE TO BE LINED SEE (2)(3)
- EASEMENT BOUNDARY/LIMITS OF DISTURBANCE
- x — EXISTING FENCE
- UNIMPROVED SURFACE RESTORATION, SEE (5)
- ASPHALT ROAD RESTORATION, SEE (6)(10)
- GRAVEL ROAD RESTORATION, SEE (7)(10)

SHEET NOTES:

1. PRESERVE AND PROTECT ALL EXITING UTILITIES. SEE GENERAL NOTE 6 ON DRAWING NO. G-04.
2. PRESERVE AND PROTECT ALL EXISTING FENCES, DITCHES, TREES, GATES AND ALL OTHER IMPROVEMENTS. RESTORE IF DISTURBED. SEE GENERAL NOTE 4 ON DRAWING NO. G-04.

KEY NOTES:

(1) THE CIPP LINING OF ALL PIPES SHALL UTILIZE WATER CURE OR ULTRAVIOLET METHODS. ALL CURE WATER SHALL BE REINTRODUCED INTO THE TRUNK SEWER AS DESCRIBED IN SPECIFICATIONS. AT THEIR DISCRETION, OWNER MAY DIRECT THE CONTRACTOR TO UTILIZE NON-STYRENE EMITTING METHODS. REFER TO SECTION 33 01 30.72.

(2) SEE SECTION 33 01 30.82-POLYMERIC REHAB. OF BURIED CONCRETE STRUCTURE FOR DETAILS.

(3) CONTRACTOR SHALL INSTALL SILT FENCING, STABILIZED CONSTRUCTION ENTRANCES, ETC. AS PART OF THE EROSION CONTROL PLAN. SEE PROJECT NOTE 34 ON DRAWING NO. G-05.

(4) IF MANHOLE'S EXISTING FRAME AND COVER, CONCRETE COLLAR, GRADE RINGS, AND/OR LID ARE REQUIRED TO BE REMOVED FOR CIPP LINING WORK, THEY ARE TO BE RESTORED PER C 2009 OR C 2010 (SEE PLAN).

(5) PROTECT EXISTING UNIMPROVED SURFACE. CONTRACTOR SHALL CUT/MOW DOWN AND REMOVE EXISTING VEGETATION AS NEEDED TO PERFORM THE WORK. RESTORE IF DISTURBED TO MATCH OR EXCEED ORIGINAL CONDITIONS. SEE PROJECT NOTE 19 ON DRAWING NO. G-04.

(6) PROTECT EXISTING ASPHALT ROAD. RESTORE IF DISTURBED TO MATCH OR EXCEED ORIGINAL CONDITIONS. SEE COORDINATE ACCESS THROUGH AND USE OF ASPHALT ROAD WITH SVWRF PRIOR TO BEGINNING WORK. C 2009 SIM.

(7) PROTECT EXISTING GRAVEL ROAD. RESTORE IF DISTURBED TO MATCH OR EXCEED ORIGINAL CONDITIONS. SEE PROJECT NOTE 20 ON DRAWING NO. G-04. COORDINATE ACCESS THROUGH AND USE OF GRAVEL ROAD WITH SVWRF PRIOR TO BEGINNING WORK.

(8) CONTRACTOR SHALL COORDINATE ACCESS THROUGH EXISTING GATE WITH SVWRF PRIOR TO WORK.

(9) REPLACE EXISTING SVSD MANHOLE COVER WITH NEW VENTED D&L A-1180 30" MANHOLE COVER MARKED "SEWER". RETURN EXISTING COVER TO SVWRF.

(10) WHERE SEWER BYPASS LINES CROSS OVER THE GRAVEL AND ASPHALT ROADS. CONTRACTOR SHALL INSTALL A BRIDGE AND/OR RAMP WITH WARNING SIGNS AS NEEDED TO PROVIDE SAFE ACCESS AND PASSAGE FOR ALL VEHICULAR AND PEDESTRIAN TRAFFIC. SEE PROJECT NOTE 16 ON DRAWING NO. G-04.

(11) CONTRACTOR SHALL COORDINATE SEWER BYPASS OF PIPELINE WITH MIDVALE CITY [GLEN KENNEDY (801)567-7235] PRIOR TO BEGINNING WORK.

BOWEN COLLINS & ASSOCIATES

PROFESSIONAL ENGINEER LICENSED #343839 BRENT B. RUKER STATE OF UTAH 4/9/2021

NO.	DATE	REV. BY	DESCRIPTION
			REVISIONS

SOUTH VALLEY WATER RECLAMATION FACILITY
WEST JORDAN, UTAH

SOUTH SEWER INTERCEPTOR CIPP PROJECT

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING

DESIGN D. COWELL
DRAWN T. ANDERSON
REVIEW
CHECKED S. MEYER
APPROVED B. PACKER

CIVIL

SEWER PIPELINE AND MANHOLE REHABILITATION - 8

DATE: APRIL 2021
PROJECT NUMBER 177-20-01

DRAWING NO. C-08
SHEET 16 OF 37

P:\south valley wrf\177-20-01 south sewer interceptor cipp project\2.0 design phase\2.7 drawings\sht\1772001_C-08.dwg Plotted: 4/8/2021 3:39 PM By: Sarah Duckworth