= DIRECTION OF BYPASS FLOW

EXISTING GATES TO BE CLOSED (TYP 2) (SEE ORANGE HIGHLIGHTS)

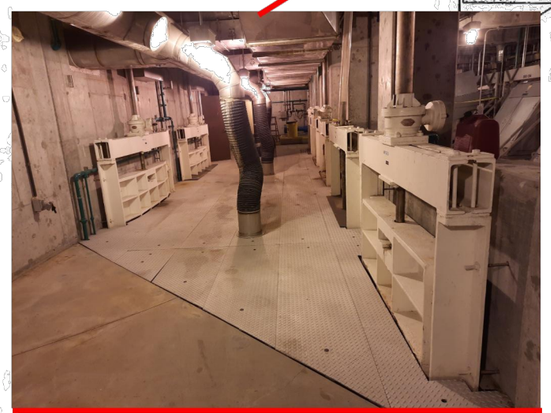
EXISTING GATES TO BE OPEN (TYP 5) (SEE YELLOW HIGHLIGHTS)

EXISTING GATES TO BE OPEN. EXISTING SCREENS TO REMAIN IN OPERATION (SEE YELLOW HIGHLIGHTS)

EXISTING GATES TO BE CLOSED (TYP 2) (SEE ORANGE HIGHLIGHTS)

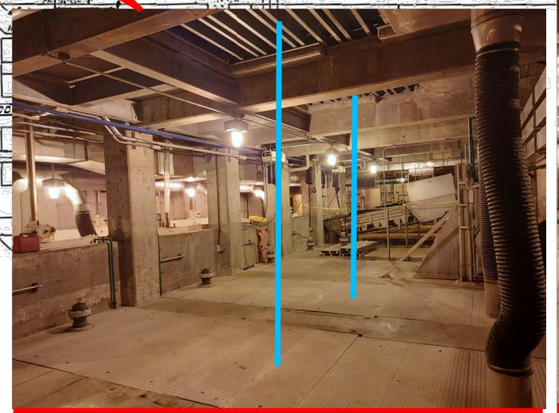
EXISTING 90" RCP PIPE

SCREEN CHANNEL GATES AND CATWALK (FACING WEST)

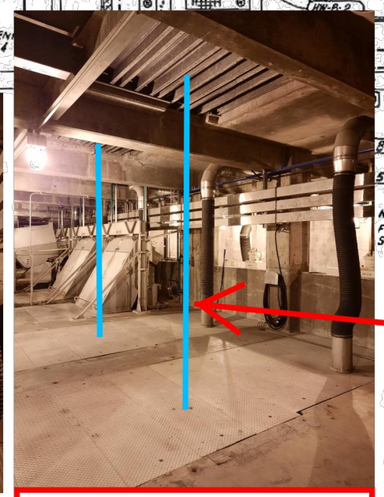


SCREEN CHANNEL GATES AND CATWALK (FACING EAST)

BYPASS LINES TO ACCESS THE TWO MOST WESTERNLY SCREEN CHANNELS THROUGH THEIR FLOOR STEEL COVERS.



TWO MOST WESTERNLY SCREEN CHANNELS (FACING NORTHEAST)



TWO MOST WESTERNLY SCREEN CHANNELS (FACING SOUTHEAST)

OPTIONAL PIPE ROUTING (TYP)

NOTE:
FOR PIPING IN BLOWER ROOM & GRIT CHAMBERS, SEE SHEETS M-HW-7,8&9.

NOTE:
REFER TO MIDWEST MECHANICAL CONTRACTORS SHOP DRAWING NO. 8K-2&4,3K-3&5K8 FOR ADDITIONAL PIPING INFORMATION. 02-08-20-8, 02-08-20-8,01&101

RECORD DRAWING
This record drawing has been prepared, in part, on the basis of information compiled and furnished by others. The Engineer is not responsible for any errors or omissions which have been incorporated into this document as a result.

JOB NO. 70

REV	DATE	BY	DESCRIPTION
1	8-03	ER	Relocate Hor Wtr Htr.

SCALE: AS NOTED

DESIGNED
DRAWN
CHECKED

SUBMITTED
PROJECT ENGINEER — R.C.E. NO. 4034 — DATE 5-13-21
RECOMMENDED
JAMES M. MONTGOMERY CONSULTING ENGINEERS, INC. — R.C.E. NO. 2443 — DATE 5-27-21

JAMES M. MONTGOMERY CONSULTING ENGINEERS, INC.
624 NORTH 300 WEST, SALT LAKE CITY, UTAH 84103

SOUTH VALLEY WATER RECLAMATION FACILITY
SOUTH VALLEY JOINT ADMINISTRATIVE BOARD

PROJECT 2A

HEADWORKS FLOOR PLAN EL. 4274.5

SHEET M-HW-2 OF SHEETS

BOWEN COLLINS & ASSOCIATES

PROFESSIONAL ENGINEER — LICENSED — #343839 — BRENT RASMUSSEN — STATE OF UTAH — 4/9/2021

NO.	DATE	REV. BY	DESCRIPTION
			REVISIONS

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

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING

DESIGN — DESIGN D. COWELL
REVIEW — CHECKED S. MEYER
APPROVED B. PACKER
DRAWN S. DUCKWORTH

RECORD DRAWINGS

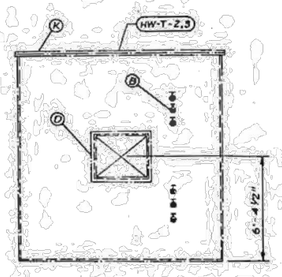
EXISTING HEADWORKS BUILDING - 2

DATE: APRIL 2021
PROJECT NUMBER 177-20-01

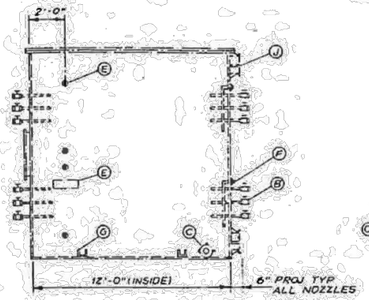
DRAWING NO. RD-10

SHEET 33 OF 37

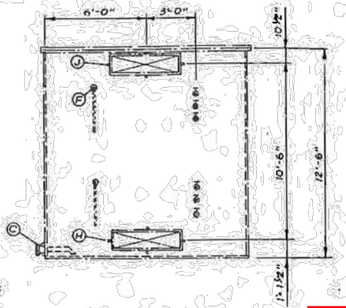
P:\south valley wrf\177-20-01 south sewer interceptor cipp project\2.0 design phase\2.7 drawings\sht\1772001_RD-10.dwg Plotted: 4/8/2021 3:41 PM By: Sarah Duckworth



SOUTH ELEVATION



EAST ELEVATION



NORTH ELEVATION

ACTIVATED CARBON SCRUBBERS (FUTURE)

1/4" = 1'-0"

SCRUBBER MATERIAL LIST (FUTURE)

MK	REQ'D	SIZE	DESCRIPTION
A	1	—	12'-0" x 12'-0" x 12'-6" HIGH FRP RECTANGULAR TANK (FLG'D)
B	12	4"	PVC SAMPLE PROBES W/BALL VALVES
C	1	2-1/2"	SIPHON DRAIN NOZZLE
D	1	30"x36"	FRP INLET NOZZLE W/FRP BLIND COVER
E	4	1/4"	PRESSURE TAPS W/GAUGE BRACKET
F	2	1/4" Ø	STAINLESS STEEL GROUNDING RODS
G	4	AS REQ.	HOLD DOWN BRACKET
H	1	12"x48"	FRP OUTLET NOZZLE (BOTTOM) 25# FLG. RATING
J	1	12"x48"	FRP OUTLET NOZZLE (TOP)
K	3	4'x12'	REMOVABLE COVER SECTIONS

BYPASS LINES TO ACCESS THE TWO MOST WESTERNLY SCREEN CHANNELS THROUGH THEIR FLOOR STEEL COVERS.

OPTIONAL PIPE ROUTING (TYP)

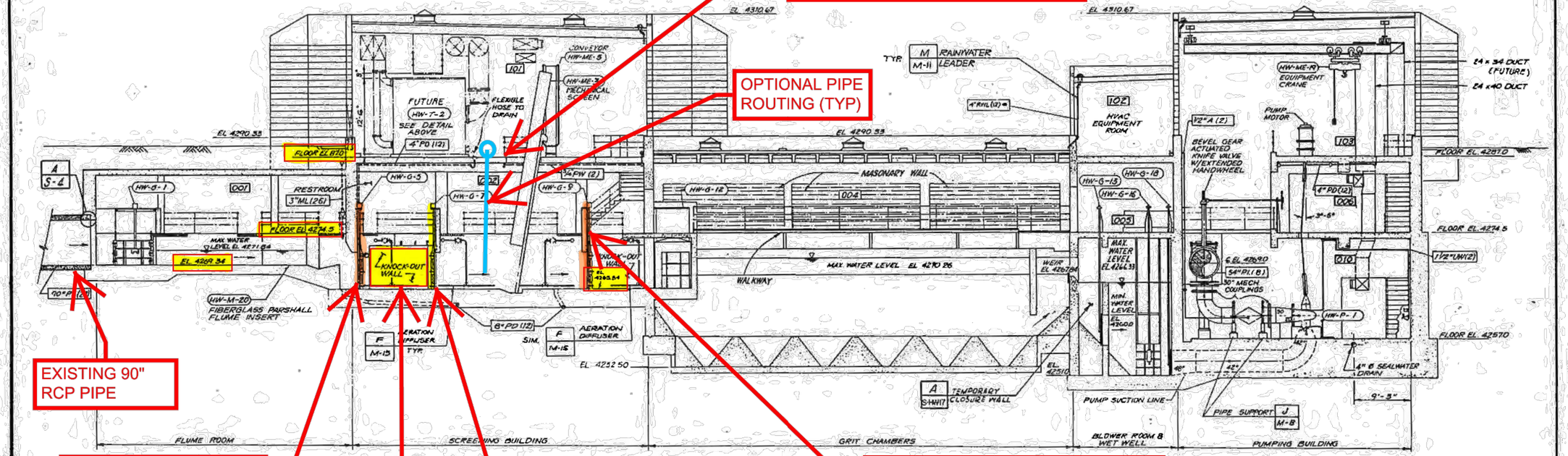
EXISTING 90" RCP PIPE

EXISTING GATES TO BE CLOSED (TYP 2) (SEE ORANGE HIGHLIGHTS)

REMOVE AND REPLACE EXISTING KNOCK-OUT WALL. SEE HEADWORKS BUILDING RECORD DRAWING SHEET S-HW-3.

EXISTING GATES TO BE OPEN (TYP 5) (SEE YELLOW HIGHLIGHTS)

EXISTING TWO MOST WESTERNLY GATES TO BE CLOSED (TYP 2) (SEE ORANGE HIGHLIGHTS)



NOTE: REFER TO MIDWEST MECHANICAL CONTRACTORS SHOP DRAWING NO. SK-1583, CT-M-CL FOR ADDITIONAL PIPING INFORMATION. 04/01/2021

RECORD DRAWING
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JOB NO. 11772001

NO.	DATE	BY	DESCRIPTION

SCALE: VB" = 1'-0"

DESIGNED Sarah A. Duckworth
DRAWN E. C. Smith
CHECKED J. Arnold

SUBMITTED Arnold J. Lewis PROJECT ENGINEER 4039 3-29-21 R.C.E. NO. DATE
RECOMMENDED James M. Montgomery JAMES M. MONTGOMERY CONSULTING ENGINEERS INC 2003 5-29-21 R.C.E. NO. DATE

JAMES M. MONTGOMERY CONSULTING ENGINEERS, INC.

SOUTH VALLEY WATER RECLAMATION FACILITY

SOUTH VALLEY JOINT ADMINISTRATIVE BOARD
PROJECT 2A
HEADWORKS SECTION
SHEET M-HW-4
OF SHEETS

BOWEN COLLINS & ASSOCIATES

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

NO.	DATE	REV. BY	DESCRIPTION
			REVISIONS

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

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING

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

RECORD DRAWINGS
EXISTING HEADWORKS BUILDING - 3
DATE: APRIL 2021
PROJECT NUMBER 177-20-01

DRAWING NO. RD-11
SHEET 34 OF 37

P:\south valley wrf\177-20-01 south sewer interceptor cipp project\2.0 design phase\2.7 drawings\sht\11772001_RD-11.dwg Plotted: 4/8/2021 3:41 PM By: Sarah Duckworth