

WORK CHANGE DIRECTIVE

PROJECT: Sludge Dewatering Project

WORK CHANGE DIRECTIVE: No. 3

TO: HRI, Inc

INITIATION DATE: May 8, 2024

OWNER: Town of Boonsboro
21 North Main Street
Boonsboro, MD 21713

CONTRACT NO: 1

CONTRACT DATE: March 1, 2022

You are directed to make the following changes in this Contract:

Work Item: Microbioretention Area Relocation

Sub-contractor(s) Involved:

Reference: Attached Redline Markup of Site Piping/Basin Location

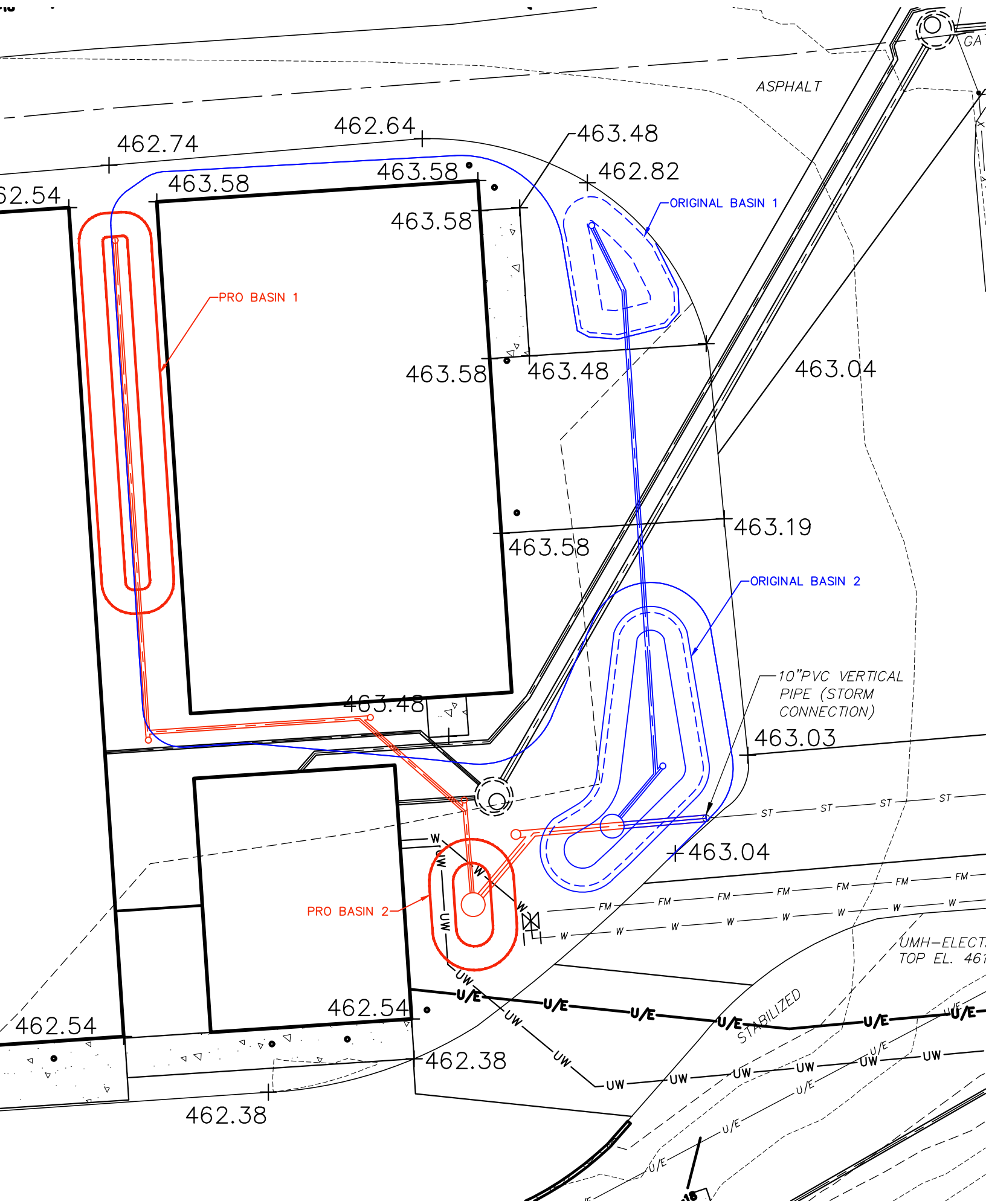
Change to be Made: Install Microbioretention Areas in the red locations of the attached markup. Total volume of the reconfigured basins remains the same (no additional geotextile, soil mix, etc. is required). Provide additional pipe/fittings as necessary.

Engineer:  _____

David Pedersen, PE
Sr. Environmental Engineer

Date: 4/24/2024

cc: Town of Boonsboro
File



**CHANGE ORDER WORK SHEET
COST JUSTIFICATION SHEET**



HRI, INC. - Utilities Division
Boonsboro Sludge Dewatering Project
HRI Job # 10295832

HRI-PCO 006

DESCRIPTION OF OPERATION: Microbioretention Area Relocation (WCD #3)

MATERIAL

DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
4" Sch40 PVC Perf Pipe	20.00	LF	\$5.91	\$118.20
4" Sch40 PVC Solid Pipe	40.00	LF	\$5.38	\$215.20
4" Sch40 PVC Wye	1.00	EA	\$20.79	\$20.79
4" Sch40 PVC Tee	1.00	EA	\$32.85	\$32.85
4" Sch40 PVC 90 Bend	2.00	EA	\$11.54	\$23.08
4" Sch40 PVC HxFIPT Adapter	2.00	EA	\$10.35	\$20.70
4" Sch40 PVC Cleanout Plug	2.00	EA	\$5.16	\$10.32
10" SDR35 PVC Pipe	14.00	FT	\$17.02	\$238.28
10" SDR35 PVC Wye	1.00	EA	\$431.54	\$431.54
10" SDR35 PVC 90 Bend	1.00	EA	\$290.12	\$290.12
10" SDR35 PVC HxFIPT Adapter	1.00	EA	\$533.86	\$533.86
10" SDR35 PVC Cleanout Plug	1.00	EA	\$118.53	\$118.53
Sub Total				\$2,053.47
0.0% Sales Tax				\$0.00
Total Material				\$2,053.47
15.0% Markup				\$308.02

LABOR

CLASSIFICATION	HOURS	OT HOURS	STANDARD RATE	OT RATE	DIRECT LABOR
Superintendent	10.0		\$114.56	\$171.84	\$1,145.60
Project Manager			\$115.45	\$173.18	
Project Engineer			\$97.65	\$146.48	
Safety Manager			\$88.56	\$132.84	
Foreman	20.0		\$77.18	\$115.77	\$1,543.60
Electrical Foreman			\$85.36	\$128.04	
Laborer	20.0		\$42.94	\$64.41	\$858.80
Operator	20.0		\$49.62	\$74.43	\$992.40
Carpenter			\$49.65	\$74.48	
Ironworker			\$55.33	\$83.00	
Plumber			\$31.23	\$46.85	
Electrician			\$55.77	\$83.66	
Lowboy Driver			\$46.78	\$70.17	
Mechanic			\$49.62	\$74.43	
Sub Total					\$4,540.40
% Ins., Taxes, Etc. = 21.6700%					\$983.90
Total Base Labor x (% Ins., Taxes, etc.)					\$5,524.30
15.0% Markup					\$828.65

EQUIPMENT

DESCRIPTION	EQUIPMENT #	QUANTITY	UNITS	OPERATING RATE/HOUR	AMOUNT
Superintendent Truck	104053	10.00	HRS	\$38.51	\$385.10
Project Manager SUV	104073		HRS	\$35.00	
Project Engineer SUV	171196		HRS	\$35.00	
Safety Manager SUV	105030		HRS	\$35.00	
Foreman Truck	108022	20.00	HRS	\$45.43	\$908.60
Komatsu 138 Excavator	230011		HRS	\$122.80	
Volvo L70 Loader	220047		HRS	\$76.95	
Tri-Axle Dump Truck	122842		HRS	\$0.00	
Cat 963 Track Loader	227019		HRS	\$108.24	
Cat CP563C Padfoot Roller	209092		HRS	\$0.00	
Volvo A40D Truck	432003		HRS	\$189.05	
Hamm Smooth Drum Roller	#N/A		HRS	#N/A	
Highway Truck Tractor	#N/A		HRS	#N/A	
Case TR270 Skid Steer	N/A		HRS	\$0.00	
Mini Excavator	N/A	1.00	LS	\$2,350.00	\$2,350.00
Total Equipment					\$3,643.70
15.0% Markup					\$546.56

SUBCONTRACTS

Description	DESCRIPTION	AMOUNT
Sub Total		\$0.00
0.0% Sales Tax		\$0.00
Total Subcontract Value		\$0.00
5.0% Markup		\$0.00

INDIRECT EXPENSES

DESCRIPTION	RATE/MONTH	CALENDAR DAYS	RATE/DAY	AMOUNT
Field Office - HRI	TBD	N/A		TBD
Field Office - Engineer/Owner	TBD	N/A		TBD
Dumpster Service	TBD	N/A		TBD
Toilet Rental/Service	TBD	N/A		TBD
Temp Electrical Service	TBD	N/A		TBD
Total Indirects				\$0.00
10.0% Markup				\$0.00

Contractor's Representative	Small Tools @ 2.5% Labor	\$113.51
	Safety @ 1.5% Labor	\$68.11
	Warranty @ 1.5% Materials	\$30.80
	Subtotal	\$212.42
X <u>Jim Rodley</u>	Bonds / Insurance @ 1%	\$131.17
Signature	GRAND TOTAL	\$343.59
29-May-24		
Date		
Engineer's Representative Confirming Receipt		\$13,248.29
		1 LS
		\$13,248.29

X _____
Signature Date