



To: All Plan Holders of Record

From: Verdantas LLC
For the Owner

Re: *Addendum No. 3*
IIJA Richmond Heights Sanitary Sewer Improvements
City of Richmond Heights

Date: June 13, 2025

This Addendum forms a part of the contract documents and modifies the original bidding documents dated May 2025 and all previous addenda, if any. Acknowledge receipt of this addendum in the space provided in the bid forms. Failure to do so may subject the bidder to disqualification.

OPINION OF PROBABLE CONSTRUCTION COST

The Opinion of Probable Construction Cost for the Base Bid as published in the Legal Notice shall be changed from \$690,000.00 to \$735,000.00

BID DOCUMENTS

Replace Bid Book Cover, Page i, with the enclosed Page ia

PLANS

Replace all plan sheets with the attached Sheets 1 to 31.

*Note that only changes made to plans were to the Engineering seals and Title Blocks in associate specific specifications and plans sheets to different Engineer's of Record. No changes were made to plans that affect the design, scope of improvements, or specifications.

QUESTIONS AND ANSWERS

Q1. Referring to Sheet 24, Detail "TYPE 9 WELDED PIPE STANCHION", what is the Type N Structural Attachment being bolted into?

A1. There is a concrete shelf where the plate for the stanchion is to attach to. Please refer to picture on next page for visual of bench. Attached are two MACP Level II reports from C&K Industrial for reference (listed in REFERENCE DOCUMENTS).



REFERENCE DOCUMENTS

Attached are two (2) reference documents for the Contractor's use:

1. HEI00010_TO GRATE_20240730_0732 – Part 1 MACP inspection of HIE00010 Access Structure.
2. HIE00010_BELOW GRATE_20240729_0800 – Part 2 MACP inspection of HIE00010 Access Structure.

TM:mep

Enclosures

H:\2023\231100\SPEC\Addenda\Addendum 03\Addendum 01.Doc

**IIJA Richmond Heights Sanitary Sewer
Improvements**

City of Richmond Heights

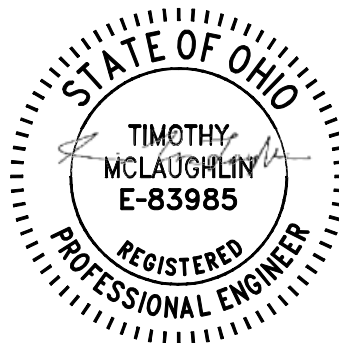
**Northeast Ohio Regional Sewer District - MCIP
and WPCLF Funded Project**

May 2025

Signer Name: Kihoon Park
Signing Reason: I approved
this document.
Signing Time: 2025-06-15
12:30:54(EDT)

[Handwritten Signature]

Signer Name: Timothy McLaughlin
Signing Reason: I approved
this document.
Signing Time: 2025-06-15
12:49:56(EDT)



6/12/25

[Handwritten Signature]

DIV 01(EXCEPT SECTION BY
OTHERS),DIV 03 - SECTION 030000
ONLY, DIV 31, DIV 32, DIV 33



06/13/2025

DIV 01 - SECTION 014523 ONLY,
DIV 03(EXCEPT SECTION BY
OTHERS), DIV 05, DIV 06, DIV 07,
DIV 08, DIV 40

231100

Project:	IJA - RICHMOND HTS	Date/Time:	July 30 2024 - 07:32
Street and City:	RICHMOND RD - RICHMOND HTS	Weather:	Dry - No precipitation during survey
Owner:	NEORS	P.O. #	
Customer:	CT CONSULTANTS	Inspection Status:	Remote Inspection
Surveyor Name and Certificate:	Robert Dean U-821-70402841	Inspection Level:	2
Reviewer Name and Certificate:	Steev Saddler P0039131-092022	MH:	HEI00010_TO GRATE





Asset Details and Measurements

MH Use:	Sanitary	Access Type:	AOC
Rim to Invert:	163.8	Pre-Cleaning:	No Pre-Cleaning
Rim to Grade:	0	Purpose:	Maintenance related
Grade to Invert:	163.8	Surface Type:	ConcretePavement





MH Ratings

Overall Quick Rating: 5133			
Structural Quick Rating:	5113	O&M Quick Rating:	3322
Overall MH Rating Index: 1.5			
Structural MH Rating Index:	2.0	O&M MH Rating Index:	1.4
Overall MH Rating: 34.0			
Structural MH Rating:	8.0	O&M MH Rating:	26.0





Observation Images

Photo	Distance	Description	Time
	0.8	SRC - component:CMI Clock from 7 to 11 Grade = 5	000020
	1.1	ISJ - component:WI Joint: True Clock from 12 to 12 Grade = 1	000019
	12	MGO - component:WI Remark = WI - LIFT PONTS IN EACH CAST SECTION	000030
	60	MGO - component:WI Remark = LIFTING POINT	000127


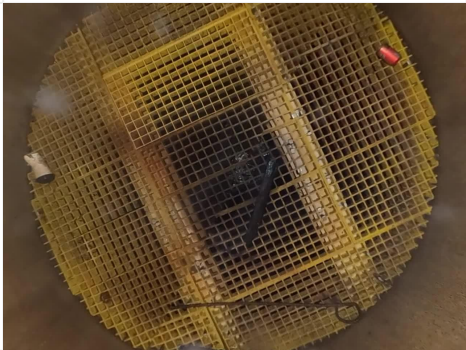


Observation Images

Photo	Distance	Description	Time
	68	ISB - component:WI Clock At 7 Grade = 1	000127
	86	ISJ - component:WI Joint: True Clock from 5 to 7 Grade = 1	000208
	105	ISJ - component:WI Joint: True Clock from 5 to 8 Grade = 1	000302
	141	ISB - component:WI Clock At 6 Grade = 1	000338




Observation Images

Photo	Distance	Description	Time
	141	MGO - component:WI Remark = LIFTING POINT	000338
	149	ISB - component:WI Clock At 8 Grade = 1	000403
	149	MGO - component:WI Remark = LIFTING POINT	000403
	155	ISB - component:WI Clock At 3 Grade = 1	000416

Observation Images

Photo	Distance	Description	Time
	155	MGO - component:WI Remark = LIFTING POINT	000416
	163.8	MGO - component:B Remark = B - ACCESS LANDING	000420
	163.8	MGO - component:B Remark = B - FLOW VISIBLE THROUGH GRATE / NO PIPE INFORMATION AVAILABLE	000429
	163.8	OBZ - component:B Percent: 10 Clock from 1 to 2 Remark = B - WOOD Grade = 1	000429

Observation Images

Photo	Distance	Description	Time
	163.8	DSZ - component:B Percent: 5 Clock At 12 Remark = B - TRASH Grade = 1	000429
	163.8	OBZ - component:B Percent: 15 Clock from 2 to 5 Remark = B - MH HOOK Grade = 1	000429
	163.8	DSZ - component:B Percent: 5 Clock from 7 to 2 Remark = B - TRASH Grade = 1	000429

Observations

Component	Dist.	Code	Cont.	Dim. 1	Dim. 2	%	Joint	Clock From	Clock To	Remarks
Chimney Interior	0.8	SRC						7	11	
Wall Interior	1.1	ISJ					True	12	12	
Wall Interior	12	MGO								WI - LIFT PONTS IN EACH CAST SECTION
Wall Interior	60	MGO								LIFTING POINT
Wall Interior	68	ISB						7		
Wall Interior	86	ISJ					True	5	7	
Wall Interior	105	ISJ					True	5	8	
Wall Interior	141	ISB						6		
Wall Interior	141	MGO								LIFTING POINT



Observations

Component	Dist.	Code	Cont.	Dim. 1	Dim. 2	%	Joint	Clock From	Clock To	Remarks
Wall Interior	149	ISB						8		
Wall Interior	149	MGO								LIFTING POINT
Wall Interior	155	ISB						3		
Wall Interior	155	MGO								LIFTING POINT
Bench	163.8	MGO								B - ACCESS LANDING
Bench	163.8	MGO								B - FLOW VISIBLE THROUGH GRATE / NO PIPE INFORMATION AVAILABLE
Bench	163.8	OBZ				10		1	2	B - WOOD
Bench	163.8	DSZ				5		12		B - TRASH
Bench	163.8	OBZ				15		2	5	B - MH HOOK

Observations

Component	Dist.	Code	Cont.	Dim. 1	Dim. 2	%	Joint	Clock From	Clock To	Remarks
Bench	163.8	DSZ				5		7	2	B - TRASH

Pipe Connection Images

Photo	Number	Description	Depth	Clock
	1	Outgoing Connection Shape = Z Height = 9 width = 9 Pipe Condition = D Pipe Seal Condition = D Pipe type = GR Comments = B - FLOW VISIBLE THROUGH GRATE / NO PIPE INFORMATION AVAILABLE	163.8	6
	2	Incoming Connection Shape = Z Height = 9 width = 9 Pipe Condition = D Pipe Seal Condition = D Pipe type = GR Comments = B - FLOW VISIBLE THROUGH GRATE / NO PIPE INFORMATION AVAILABLE	163.7	12

Pipe Connections

Pipe No.	Clock	Rim to Invert	Direction	Material	Shape	Height (Dia.)	Condition	Seal Cond.	Pipe ID
1	6	163.8	O	XXX	Other	9	D	D	
2	12	163.8	I	XXX	Other	9	D	D	

Additional MACP Header Information

Media Label:		Evidence of Surcharge:	N
Work Order:		Northing:	
Sheet Number:		Easting:	
Date Cleaned:	Unknown	Elevation:	
Consequence of Failure		Coordinate System:	
Drainage Area:		Vertical Datum:	
Location Code:	F	GPS Accuracy:	
Inflow Potential	N	Additional Info:	B - FLOW VISIBLE THROUGH GRATE / NO PIPE INFORMATION AVAILABLE
Location Details:		Imperial?:	True
Year Constructed:			
Year Renewed:			

Component: Cover

Cover Type Bolted:	True
Cover Type Gasketed:	False
Cover Type Hatch (Double):	True
Cover Type Hatch (Single):	False
Cover Type Inner Cover:	False
Cover Type Lamphole:	False
Cover Type Locking:	True
Cover Type Removable Center:	False
Cover Type Solid:	False
Cover Type Vented (Slots):	False
Cover Shape:	S
Cover Size:	54
Center Cover Size:	
Cover Size Width	54
Cover Material	CAS

Hole Diameter (Vent):	C
Hole Number:	4
Cover Bearing Surface Diameter:	54
Cover Bearing Surface Width:	54
Cover Frame Fit:	G
Cover Condition Bolts Missing:	False
Cover Condition Broken:	False
Cover Condition Corroded (Pitted):	False
Cover Condition Cracked:	False
Cover Condition Missing:	False
Cover Condition Restraint Defective:	False
Cover Condition Restraint Missing:	True
Cover Condition Sound:	False
Cover Insert Type:	N

Component: Cover Insert

Cover Insert Type	N
Insert Condition Cracked (Torn/Holes)	
Insert Condition Corroded (Pitted/Worn)	
Insert Condition Insert Fell	

Insert Condition Leaking	
Insert Condition Poorly Fitted:	
Insert Condition Sound:	

Component: Adjustment Ring

Adjustment Ring Type:	N
Adjustment Ring Material:	
Adjustment Ring Height:	
Ring Condition Broken:	
Ring Condition Corroded:	

Ring Condition Cracked	
Ring Condition Leaking:	
Ring Condition Poor Installation:	
Ring Condition Sound:	

Component: Frame

Frame Material:	CAS
Frame Bearing Surface Width:	0.5
Frame Bearing Surface Depth:	1
Frame Clear Open Diameter:	53
Frame Clear Open Width:	53

Frame Condition Broken:	False
Frame Condition Coated:	False
Frame Condition Corroded (Pitted/Worn):	True
Frame Condition Cracked:	False
Frame Condition Missing:	False
Frame Condition Sound:	False

Component: Frame (continued)

Frame Offset Distance:	0
Frame Seal Inflow:	IS
Frame Depth	

Seal Condition Cracked:	False
Seal Condition Loose:	False
Seal Condition Offset:	False
Seal Condition Missing:	False
Seal Condition Sound:	True

Component: Chimney

Chimney Present:	Y
Chimney Material 1:	CR
Chimney Material 2:	
Chimney Inflow:	IS
Chimney Clear Opening:	

Chimney Depth:	1
Chimney Lining Interior:	N
Chimney Lining Exterior:	N
Chimney Condition:	D

Component: Wall

Wall Diameter:	96.7
Wall by Size (Width)	
Wall Material	CR
Wall Depth	163.5

Wall Lining Interior	C
Wall Lining Exterior:	N
Wall Condition	D

Component: Bench

Bench Present:	Y
Bench Material:	S

Bench Lining:	N
Bench Condition:	D

Component: Channel

Channel Installed:	N
Channel Material:	
Channel Type:	Z

Channel Exposure:	
Channel Condition:	

Component: Steps

Number of Steps:	4
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Step Material:	M
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Additional Component Information

Notes:	
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Project:	232002-46	Date/Time:	July 29 2024 - 08:00
Street and City:	RICHMOND RD - RICHMOND HTS	Weather:	Dry - No precipitation during survey
Owner:	NEORSD	P.O. #	
Customer:	CT CONSULTANTS	Inspection Status:	Remote Inspection
Surveyor Name and Certificate:	Shawn Dunnell U-915-70001437	Inspection Level:	2
Reviewer Name and Certificate:	Jessy Vargas-Bloom P0034044-102021	MH:	HIE00010_BELOW GRATE





Asset Details and Measurements

MH Use:	Sanitary	Access Type:	AOC
Rim to Invert:	11.7	Pre-Cleaning:	No Pre-Cleaning
Rim to Grade:	0	Purpose:	Maintenance related
Grade to Invert:	53.1	Surface Type:	ConcreteCollar




MH Ratings

Overall Quick Rating: 1B00			
Structural Quick Rating:	1A00	O&M Quick Rating:	1700
Overall MH Rating Index: 1.0			
Structural MH Rating Index:	1.0	O&M MH Rating Index:	1.0
Overall MH Rating: 17.0			
Structural MH Rating:	10.0	O&M MH Rating:	7.0

Observation Images

Photo	Distance	Description	Time
	43.1	MGO - component:WI Remark = GRATE	000000
	44.2	SRI - component:WI Continuous: S01 Clock from 12 to 12 Grade = 1	000001
	44.2	DAE - component:WI Percent: 5 Clock from 7 to 8 Grade = 1	000001
	44.2	MSC - component:WI Measurement 1: 93	000001



Observation Images

Photo	Distance	Description	Time
	44.2	DAE - component:WI Percent: 5 Clock from 10 to 11 Grade = 1	000001
	45.5	MSC - component:WI Measurement 1: 100	000003
	49.8	SRI - component:WI Continuous: F01 Clock from 12 to 12 Grade = 1	000011

Observations

Component	Dist.	Code	Cont.	Dim. 1	Dim. 2	%	Joint	Clock From	Clock To	Remarks
Wall Interior	43.1	MGO								GRATE
Wall Interior	44.2	SRI	S01					12	12	
Wall Interior	44.2	DAE				5		7	8	
Wall Interior	44.2	MSC		93						
Wall Interior	44.2	DAE				5		10	11	
Wall Interior	45.5	MSC		100						
Wall Interior	49.8	SRI	F01					12	12	

Pipe Connection Images

Photo	Number	Description	Depth	Clock
	1	Outgoing Connection Shape = Circle Height = 60 Pipe Condition = S Pipe Seal Condition = S Pipe type = GR	53.1	6
	2	Incoming Connection Shape = Circle Height = 60 Pipe Condition = S Pipe Seal Condition = S Pipe type = GR	53	12

Pipe Connections

Pipe No.	Clock	Rim to Invert	Direction	Material	Shape	Height (Dia.)	Condition	Seal Cond.	Pipe ID
1	6	53.1	O	RCP	Circular	60	S	S	
2	12	53.1	I	RCP	Circular	60	S	S	

Additional MACP Header Information

Media Label:		Evidence of Surcharge:	N
Work Order:	RICHMOND HTS IIJA	Northing:	
Sheet Number:		Easting:	
Date Cleaned:	Unknown	Elevation:	
Consequence of Failure		Coordinate System:	
Drainage Area:		Vertical Datum:	
Location Code:	A	GPS Accuracy:	
Inflow Potential	N	Additional Info:	BASED DISTANCE ON TOTAL DEPTH OF MH
Location Details:		Imperial?:	True
Year Constructed:			
Year Renewed:			

Component: Cover

Cover Type Bolted:	False
Cover Type Gasketed:	False
Cover Type Hatch (Double):	False
Cover Type Hatch (Single):	False
Cover Type Inner Cover:	False
Cover Type Lamphole:	False
Cover Type Locking:	False
Cover Type Removable Center:	False
Cover Type Solid:	False
Cover Type Vented (Slots):	True
Cover Shape:	R
Cover Size:	55
Center Cover Size:	
Cover Size Width	28
Cover Material	S

Hole Diameter (Vent):	A
Hole Number:	6
Cover Bearing Surface Diameter:	55
Cover Bearing Surface Width:	28
Cover Frame Fit:	G
Cover Condition Bolts Missing:	False
Cover Condition Broken:	False
Cover Condition Corroded (Pitted):	False
Cover Condition Cracked:	False
Cover Condition Missing:	False
Cover Condition Restraint Defective:	False
Cover Condition Restraint Missing:	False
Cover Condition Sound:	True
Cover Insert Type:	N

Component: Cover Insert

Cover Insert Type	N
Insert Condition Cracked (Torn/Holes)	
Insert Condition Corroded (Pitted/Worn)	
Insert Condition Insert Fell	

Insert Condition Leaking	
Insert Condition Poorly Fitted:	
Insert Condition Sound:	

Component: Adjustment Ring

Adjustment Ring Type:	N
Adjustment Ring Material:	
Adjustment Ring Height:	
Ring Condition Broken:	
Ring Condition Corroded:	

Ring Condition Cracked	
Ring Condition Leaking:	
Ring Condition Poor Installation:	
Ring Condition Sound:	

Component: Frame

Frame Material:	CAS
Frame Bearing Surface Width:	1.5
Frame Bearing Surface Depth:	1
Frame Clear Open Diameter:	52
Frame Clear Open Width:	26

Frame Condition Broken:	False
Frame Condition Coated:	False
Frame Condition Corroded (Pitted/Worn):	True
Frame Condition Cracked:	False
Frame Condition Missing:	False
Frame Condition Sound:	False

Component: Frame (continued)

Frame Offset Distance:	0
Frame Seal Inflow:	N
Frame Depth	0.4

Seal Condition Cracked:	False
Seal Condition Loose:	False
Seal Condition Offset:	False
Seal Condition Missing:	False
Seal Condition Sound:	True

Component: Chimney

Chimney Present:	Y
Chimney Material 1:	CR
Chimney Material 2:	
Chimney Inflow:	
Chimney Clear Opening:	

Chimney Depth:	2.5
Chimney Lining Interior:	
Chimney Lining Exterior:	
Chimney Condition:	

Component: Wall

Wall Diameter:	122.3
Wall by Size (Width)	
Wall Material	CR
Wall Depth	8.3

Wall Lining Interior	
Wall Lining Exterior:	
Wall Condition	

Component: Bench

Bench Present:	Y
Bench Material:	CR

Bench Lining:	
Bench Condition:	

Component: Channel

Channel Installed:	Y
Channel Material:	CR
Channel Type:	F

Channel Exposure:	F
Channel Condition:	

Component: Steps

Number of Steps:	11
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Step Material:	M
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Additional Component Information

Notes:	
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