

RESOLUTION NO. 2022- 176

A RESOLUTION AUTHORIZING THE ISSUANCE OF AN AMENDATORY SUPPLEMENTAL CHANGE ORDER NO. 2 TO CONTRACT NO. C22-0072, ISSUED TO ARTHUR R. HENRY, INC., EGG HARBOR TOWNSHIP, NJ, IN THE AMOUNT OF \$111,558.02.

WHEREAS, the City Council of the City of Vineland, on January 25, 2022, adopted Resolution No. 2022-27, entitled "A RESOLUTION AWARDING A CONTRACT TO ARTHUR R. HENRY, INC., EGG HARBOR TOWNSHIP, NJ, FOR 2021 CITYWIDE DRAINAGE IMPROVEMENTS, IN THE AMOUNT OF \$1,227,855.00"; and

WHEREAS, N.J.A.C. 5:30-11.1, et seq., sets forth the requirements for the processing of change orders; and

WHEREAS, the City Engineer has requested that an amendment be made to contract awarded to Arthur R. Henry, Inc., Egg Harbor Township, NJ for the Completion of 2021 Citywide Drainage Improvements Project, as authorized by Resolution No. 2022-27: said amendment represents the removal and replacement of storm drain pipes at three project locations; and

WHEREAS, the City of Vineland desires to comply with said requirements of N.J.A.C. 5:30-11.1, et seq., and to that end herewith files with the governing body a report stating the facts involved and indicating that the proposed change order may be allowed under these regulations; and

WHEREAS, the Chief Financial Officer has certified the availability of funds for the amendatory supplemental change order for which authorization is requested in the amount of \$111,558.02; now, therefore,

BE IT RESOLVED by the Council of the City of Vineland that said amendatory supplemental change order #2 to Contract No. C22-0072, issued to Arthur R. Henry, Inc., Egg Harbor Township, NJ, in the amount of \$111,558.02, be and the same is hereby ratified and approved.

Adopted:

President of Council

ATTEST:

City Clerk



April 19, 2022

REPORT

TO: THE MAYOR AND COUNCIL

Amendatory Supplemental Change Order No. 2
Contract No. C22-0072
2021 Citywide Drainage Improvements Project
Arthur R. Henry, Inc., Egg Harbor Township, NJ

We are requesting that an amendatory supplemental change order be issued to Contract No. C22-0072, issued to Arthur R. Henry, Inc., Egg Harbor Township, NJ for the 2021 Citywide Drainage Improvements Project. This contract was authorized by Resolution No. 2022-27, adopted by City Council on January 25, 2022.

The change order requested, in the amount of \$111,558.02 represents the removal and replacement of storm drain pipes at three project locations.

This change order, plus change order #1 (\$34,849.26) represents an increase of approximately 11.92% over the original contract amount of \$1,227,855.00.

The amendatory supplemental change order for which authorization is herein requested may be authorized in accordance with N.J.A.C. 5:30-11.1 et seq.

Respectfully submitted,

Robert E. Dickenson, Jr.
Business Administrator

RD/rl
Encl.



21-003



REQUEST FOR CHANGE ORDER

FOR:

2021 Citywide Drainage

PROJECT NAME

TO: BUSINESS ADMINISTRATION

DEPARTMENT: Engineering FROM: Stephanie Wakeley

This is a request for change order # 2 to Contract # 22-0072 for:

Project Name 2021 Citywide Drainage

Name/Address of Contractor: ARTHUR R. HENRY (3031 OCEAN HEIGHTS AVENUE, EGG HARBOR TOWNSHIP, NJ 08234)

The change order is necessary because: (use additional pages if necessary to explain your reason and you must attach *documentation to support the necessity of this change order. *(Documentation from contractor, engineer, etc.)

Supplemental items based on new pipe failure locations

Also, additional work due to unforeseen conditions. See attached change order summary.

Original Contract Amount:	\$ <u>1,227,855.00</u>
Amount of this change order:	\$ <u>111,558.02</u>
Previous Change Orders:	\$ <u>34,849.26</u>
Total Revised Amount:	\$ <u>1,374,262.28</u>

APPROVED BY: David Maittet Print/type [Signature] Signature

NOTE:
CHANGE ORDERS CANNOT EXCEED 20% OF THE ORIGINAL CONTRACT AMOUNT

Please provide the account number that the change order will be charged to:

Account # C-04-00-000-2120-78001

CC: Purchasing Division

(2)

April 19, 2022

MEMORANDUM TO: Bob Dickenson, Business Administrator

RE: 2021 Citywide Drainage
Various Locations
Change Order # 2
Engineering File#: 21-003
CT #: 22-0072

Attached is a Positive (+) change order for \$111,558.02 (9.09%). This is Change Order #2 for this project. The original contract amount for this project is \$1,227,855.00. Change Order No. 1 was \$34,849.26. Change Order No. 2 increases the total contract amount to \$1,374,262.28 (11.92%).

Three project locations had pipe failures after the subcontractor (Vortex Services) cleaned/flushed the existing drainage pipes. Locations included Fairmount Avenue, Baywood Drive, and Greenwood Court. The original scope of work included the subcontractor to install cured in place pipe (CIPP) at these locations. The City requested the Contractor (Arthur R. Henry) to remove and replace the pipe. Baywood Drive had 10 feet, Fairmount Avenue had 235 feet, and Greenwood Court had 80 feet of pipe replacement. As such, three supplemental items were added for these pipe failure replacements. Additionally, Woodlawn Avenue has a supplemental item due to unforeseen conditions where the Contractor also has to remove/replace the sewer line.

If you have any questions or comments please feel free to contact me at any time.

Sincerely,



Stephanie Wakeley
Assistant Engineer – Traffic, E.I.T.

cc: Jim Neher, Director of Public Works
Susan Baldasaro, C.F.O.
Miguel Mercado, Purchasing Agent

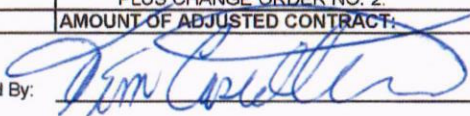


CONTRACT: 2021 CITYWIDE DRAINAGE IMPROVEMENTS PROJECT (MULTIPLE LOCATIONS), CT 22-0072
P.O.#: 22-01117
CONTRACTOR: ARTHUR R. HENRY
3031 OCEAN HEIGHTS AVENUE
EGG HARBOR TOWNSHIP, NJ 08234

ITEM	DESCRIPTION	CONTRACT QUANTITY	UNITS	QUANTITY ADJUSTMENT	ADJUSTED QUANTITY	CONTRACT UNIT PRICE	ADJUSTED UNIT PRICE	CONTRACT AMOUNT	FINAL AMOUNT	AMOUNT OF CHANGE
1.1	TRAFFIC CONTROL	1	LS	0.00	1.00	\$25,000.00	\$25,000.00	25,000.00	25,000.00	0.00
2.1.1	CLEARING SITE (NOT TO EXCEED 5% OF TOTAL CONTRACT AMOUNT)	1	LS	0.00	1.00	\$25,000.00	\$25,000.00	25,000.00	25,000.00	0.00
4.2.1	15" DIA. CORRUGATED POLYETHYLENE PIPE, SMOOTH WALL, <7' DEPTH, REMOVAL & REPLACEMENT	25	LF	0.00	25.00	\$ 360.00	\$ 360.00	9,000.00	9,000.00	0.00
4.2.2	18" DIA. CORRUGATED POLYETHYLENE PIPE, SMOOTH WALL, <7' DEPTH, REMOVAL & REPLACEMENT	10	LF	0.00	10.00	\$ 450.00	\$ 450.00	4,500.00	4,500.00	0.00
4.2.8	36" DIA. CORRUGATED POLYETHYLENE PIPE, SMOOTH WALL, ≥7' DEPTH, REMOVAL & REPLACEMENT	380	LF	0.00	380.00	\$ 175.00	\$ 175.00	66,500.00	66,500.00	0.00
4.7.7	MANHOLE, DOGHOUSE, 8' I.D. (≥10' DEPTH)	1	UNIT	0.00	1.00	\$15,000.00	\$15,000.00	15,000.00	15,000.00	0.00
4.8.1	RECONSTRUCT INLETS	2	UNIT	0.00	2.00	\$ 1,500.00	\$ 1,500.00	3,000.00	3,000.00	0.00
4.8.2	RECONSTRUCT MANHOLES	2	UNIT	0.00	2.00	\$ 5,000.00	\$ 5,000.00	10,000.00	10,000.00	0.00
4.10.1	RESET CASTINGS	1	UNIT	0.00	1.00	\$ 2,000.00	\$ 2,000.00	2,000.00	2,000.00	0.00
4.12.1	REPLACE INLET CASTINGS & GRATES, TYPE A	3	UNIT	0.00	3.00	\$ 2,400.00	\$ 2,400.00	7,200.00	7,200.00	0.00
4.12.2	REPLACE INLET CASTINGS, GRATES & CURB PIECES, TYPE B	47	UNIT	0.00	47.00	\$ 2,400.00	\$ 2,400.00	112,800.00	112,800.00	0.00
4.12.3	REPLACE INLET CASTINGS & GRATES, TYPE D	29	UNIT	0.00	29.00	\$ 2,400.00	\$ 2,400.00	69,600.00	69,600.00	0.00
4.12.5	BICYCLE SAFE GRATES	4	UNIT	0.00	4.00	\$ 1,500.00	\$ 1,500.00	6,000.00	6,000.00	0.00
4.13.1	15" CURED IN PLACE PIPE	860	LF	0.00	860.00	\$ 110.00	\$ 110.00	94,600.00	94,600.00	0.00

ITEM	DESCRIPTION	CONTRACT QUANTITY	UNITS	QUANTITY ADJUSTMENT	ADJUSTED QUANTITY	CONTRACT UNIT PRICE	ADJUSTED UNIT PRICE	CONTRACT AMOUNT	FINAL AMOUNT	AMOUNT OF CHANGE
4.13.2	18" CURED IN PLACE PIPE	3,695	LF	0.00	3,695.00	\$ 100.00	\$ 100.00	369,500.00	369,500.00	0.00
4.13.3	24" CURED IN PLACE PIPE	2,230	LF	0.00	2,230.00	\$ 135.00	\$ 135.00	301,050.00	301,050.00	0.00
4.13.4	36" CURED IN PLACE PIPE	175	LF	0.00	175.00	\$ 355.00	\$ 355.00	62,125.00	62,125.00	0.00
4.13.5	42" CURED IN PLACE PIPE	65	LF	0.00	65.00	\$ 692.00	\$ 692.00	44,980.00	44,980.00	0.00
S.1	COTTONWOOD DR PIPE COLLAPSES - 88 LF	1	LS	0.00	1.00	\$24,003.26	\$24,003.26	24,003.26	24,003.26	0.00
S.2	FAIRMOUNT AVE PIPE COLLAPSE #1 - 27 LF	1	LS	0.00	1.00	\$10,846.00	\$10,846.00	10,846.00	10,846.00	0.00
S.3	FAIRMOUNT AVE PIPE COLLAPSE #2 - 235 LF	0	LS	1.00	1.00	\$58,832.82	\$58,832.82	0.00	58,832.82	58,832.82
S.4	WOODLAWN AVE - ADDITIONAL WORK DUE WITH LSA LINE	0	LS	1.00	1.00	\$28,095.45	\$28,095.45	0.00	28,095.45	28,095.45
S.5	BAYWOOD DRIVE, GREENWOOD COURT PIPE COLLAPSES - 20 LF	0	LS	1.00	1.00	\$ 7,949.26	\$ 7,949.26	0.00	7,949.26	7,949.26
S.6	GREENWOOD COURT PIPE FAILURE - 80 LF	0	LS	1.00	1.00	\$16,680.49	\$16,680.49	0.00	16,680.49	16,680.49
TOTAL OF CHANGE ORDER #2:										\$111,558.02
TOTAL PERCENT FOR THIS CHANGE ORDER:		9.09%								
PERCENT TOTAL CHANGE ORDER TO DATE OF ORIGINAL CONTRACT AMOUNT		11.92%								
AMOUNT OF ORIGINAL CONTRACT:				\$1,227,855.00						
PLUS CHANGE ORDER NO. 1:				34,849.26						
PLUS CHANGE ORDER NO. 2:				111,558.02						
AMOUNT OF ADJUSTED CONTRACT:				\$1,374,262.28						

Recommended By:



Arthur R. Henry, Contractor

David J. Maillet, City Engineer



3/18/2022

Change Order Request

COR005

5.3

Job #: C631
Prime: Arthur R Henry Inc.
Owner: City of Vinleand
Project: Citywide Drainage 21-003-2021

Number	DESCRIPTION OF WORK	COR Amount
COR005	Provide labor , equipment & materials to replace 235' of 18" storm drain pipe as directed per city inspector along Fairmount Ave (between manhole # 7 and Inlet # 9. Existing Pipe is completely rotted and collapsed, preventing CIPP method. Lay-out of new pipe in roadway & abandon existing 18" in place (no flowable fill). *** Does not include costs to relocate and or conflicts with existing utilities (i.e. cable / telephone) which is in conflict inlet #9.	\$ 58,832.82

	Total	\$58,832.82
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To:	Steph Wakeley - City of Vineland	
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Sent By:	Tim Castellini	3/18/2022
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Approved By: _____ Date _____

Arthur R. Henry, Inc.
3031 Ocean Heights Ave.
Egg Harbor twp., NJ 08234
Office -609-927-6660
Fax - 609-927-4780

Arthur R. Henry, Inc.

TIME AND MATERIAL WORKSHEET

Change Order# **COR005**
 Job # : **C631**
 DATE: **Friday, March 18, 2022** thru **TBD**

PROJECT: **Citywide Drainage 21-003-2021**
 PRIME: **Arthur R Henry Inc.**
 OWNER: **City of Vineland**
 OWNER Job #:

Fairmount Ave 18" Replace Pipe from Inlet 9 to MH 7

DESCRIPTION: Provide labor , equipment & materials to replace 235' of 18" storm drain pipe as directed per city inspector along Fairmount Ave (between manhole # 7 and Inlet # 9. Existing Pipe is completely rotted and collapsed, preventing CIPP method. Lay-out of new pipe in roadway & abandon existing 18" in place (no flowable fill). *** Does not include costs to relocate and or conflicts with existing utilities (i.e. cable / telephone) which is in conflict inlet #9.

LABOR		(HR/EA/Day)	Manhours	2022 Rates	
QTY	DESCRIPTION	y)	rs	Cost Rate	TOTAL
1.0	Foreman	40.00	40	\$105.16 /HR	\$4,206.40
0.0	Foreman	OT 0.00	0	\$142.43 /HR	\$0.00
1.0	Operator	40.00	40	\$114.97 /HR	\$4,598.80
0.0	Operator	OT 0.00	0	\$172.46 /HR	\$0.00
3.0	Laborer	40.00	120	\$101.60 /HR	\$12,192.00
0.0	Laborer	OT 0.00	0	\$137.09 /HR	\$0.00
0.0	Laborer	OT 0.00	0	\$137.09 /HR	\$0.00
1.0	Truck Driver	24.00	24	\$82.80 /HR	\$1,987.20
0.0	Truck Driver	OT 0.00	0	\$110.55 /HR	\$0.00
224					
SUBTOTAL					\$22,984.40

EQUIPMENT		TIME(HR/EA)		COST RATE	TOTAL
QTY	DESCRIPTION				
1.0	185 cfm Air Compressor & tools	8.00	8	\$18.92 /HR	\$151.36
0.0	Pick-Up Truck 3/4 Ton no charge	40.00	0	\$28.27 /HR	\$0.00
1.0	Utility Service Truck w/ Tools	40.00	40	\$75.00 /HR	\$3,000.00
1.0	Dump truck single axle	40.00	40	\$46.22 /HR	\$1,848.80
1.0	Dump truck Tandem	16.00	16	\$85.92 /HR	\$1,374.72
0.0	20 Ton Tag-along Trailer no charge	8.00	0	\$6.32 /HR	\$0.00
0.0	Mudsucker Pump & hoses no charge	8.00	0	\$21.77 /HR	\$0.00
0.0	Traffic Control Truck with TC device no charge	0.00	0	\$48.52 /HR	\$0.00
1.0	Backhoe Cat 420	40.00	40	\$53.10 /HR	\$2,124.00
1.0	Excavator (50,000lb)	40.00	40	\$108.51 /HR	\$4,340.40
1.0	Tractor & Lowboy Trailer	8.00	8	\$110.06 /HR	\$880.48
1.0	Shoring System	2.00	2	\$450.00 /DY	\$900.00
SUBTOTAL					\$14,619.76

MATERIAL / OTHER MISC. / RENTALS		QTY	UNITS	UNIT PRICE	TOTAL
	18" ADS drain pipe	240	LF	\$18.00	\$4,320.00
	Sakerete Bags	12	EA	\$7.00	\$84.00
	Asphalt Base	40	TN	\$60.00	\$2,400.00
	Concrete	0	CY	\$0.00	\$0.00
	Dump Fees	30	TN	\$30.00	\$900.00
	DGA	50	TN	\$10.00	\$500.00
	3/4" Stone	20	TN	\$35.00	\$700.00
	Cold patch	0	TN	\$175.00	\$0.00
	SALES TAX	AT	0.000%		\$0.00
SUBTOTAL					\$8,904.00

SUB-CONTRACTORS		QTY	UNITS	UNIT PRICE	TOTAL
	not used	0	LS	\$0.00	\$0.00
	SALES TAX	AT	0.000%		\$0.00
SUBTOTAL					\$0.00

10%	Overhead	\$4,650.82
15%	Profit	\$7,673.85

TOTAL \$58,832.82



4/7/2022

Change Order Request **COR006 REV02**

S. 4

Job #: C631
Prime: Arthur R Henry Inc.
Owner: City of Vinland
Project: Citywide Drainage 21-003-2021

Number	DESCRIPTION OF WORK	COR Amount
COR006 REV02	Provide labor, equipment & materials to install 36" storm drain pipe as directed per city inspector at Woodlawn Ave tie-in to 42" Existing Pipe. Includes LSA sanitary 8" gravity main removal & re-installation with temporary sewer by-pass system. Includes costs of additional concrete & misc. materials at 36"x42" connection point.	\$ 28,095.45

	Total	\$28,095.45
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To: Steph Wakeley - City of Vinland

Sent By: Tim Castellini 4/7/2022

Approved By: _____ Date

Arthur R. Henry, Inc.
3031 Ocean Heights Ave.
Egg Harbor twp., NJ 08234
Office -609-927-6660
Fax - 609-927-4780

Arthur R. Henry, Inc.
TIME AND MATERIAL WORKSHEET

Change Order# **COR006 REV02**
Job #: C631
DATE: Thursday, April 7, 2022 thru TBD

PROJECT: Citywide Drainage 21-003-2021
PRIME: Arthur R Henry Inc.
OWNER: City of Vinleand
OWNER Job #:

Woodlawn Ave 36" Pipe & LSA Sewer

DESCRIPTION: Provide labor, equipment & materials to install 36" storm drain pipe as directed per city inspector at Woodlawn Ave tie-in to 42" Existing Pipe. Includes LSA sanitary 8" gravity main removal & re-installation with temporary sewer by-pass system. Includes costs of additional concrete & misc. materials at 36"x42" connection point.

LABOR		TIME	Total	2022 Rates		
QTY	DESCRIPTION	(HR/EA/Day)	Manhours	Cost Rate		TOTAL
1.0	Foreman	16.00	16	\$105.16 /HR		\$1,682.56
0.0	Foreman	OT 0.00	0	\$142.43 /HR		\$0.00
2.0	Operator	16.00	32	\$114.97 /HR		\$3,679.04
0.0	Operator	OT 0.00	0	\$172.46 /HR		\$0.00
3.0	Laborer	16.00	48	\$101.60 /HR		\$4,876.80
0.0	Laborer	OT 0.00	0	\$137.09 /HR		\$0.00
1.0	Truck Driver	16.00	16	\$82.80 /HR		\$1,324.80
0.0	Truck Driver	OT 0.00	0	\$110.55 /HR		\$0.00
			112	SUBTOTAL		\$11,563.20

EQUIPMENT		TIME(HR/EA)		COST RATE		TOTAL
QTY	DESCRIPTION					
0.0	185 cfm Air Compressor & tools	no charge	0.00	0	\$18.92 /HR	\$0.00
0.0	Pick-Up Truck 3/4 Ton	no charge	0.00	0	\$28.27 /HR	\$0.00
1.0	Utility Service Truck w/ Tools		16.00	16	\$75.00 /HR	\$1,200.00
1.0	Dump truck single axle		16.00	16	\$46.22 /HR	\$739.52
1.0	Dump truck Tandem		16.00	16	\$85.92 /HR	\$1,374.72
0.0	20 Ton Tag-along Trailer	no charge	0.00	0	\$6.32 /HR	\$0.00
0.0	Mudsucker Pump & hoses	no charge	0.00	0	\$21.77 /HR	\$0.00
0.0	Traffic Control Truck with TC devices	no charge	0.00	0	\$48.52 /HR	\$0.00
1.0	Backhoe Cat 420		16.00	16	\$53.10 /HR	\$849.60
1.0	Excavator (50,000lb)		16.00	16	\$108.51 /HR	\$1,736.16
1.0	Shoring System	no charge	0.00	0	\$450.00 /DY	\$0.00
1.0	Trench Roller compactor	no charge	0.00	0	\$48.71 /HR	\$0.00
			SUBTOTAL			\$5,900.00

MATERIAL / OTHER MISC. / RENTALS		QTY	UNITS	UNIT PRICE	TOTAL
DESCRIPTION					
8" SDR35 Sewer pipe	LSA to provide directly	0	LF	\$12.00	\$0.00
Misc. Pipe materials (fernco's, etc.)	LSA to provide directly	0	LS	\$300.00	\$0.00
Sakcrete Bags	LSA	6	EA	\$7.00	\$42.00
Asphalt Base	LSA	5	TN	\$60.00	\$300.00
Concrete	encap 36"x42" connection	3	CY	\$300.00	\$900.00
Dump Fees	LSA	12	TN	\$30.00	\$360.00
DGA	LSA	12	TN	\$12.00	\$144.00
Sewer By-pass pump system renta	LSA	1	WK	\$5,164.13	\$5,164.13
Pump Diesel Fuel	LSA	150	Gal	\$5.25	\$787.50
SALES TAX	AT	0.000%			\$0.00
			SUBTOTAL		\$7,697.63

SUB-CONTRACTORS		QTY	UNITS	UNIT PRICE	TOTAL
DESCRIPTION					
not used		0	LS	\$0.00	\$0.00
SALES TAX	AT	0.000%			\$0.00
			SUBTOTAL		\$0.00

Standard Precast Manhole 60" diameter cost difference only	1 EA	(\$3,733.00)		
			10% Overhead	\$2,516.08
			15% Profit	\$4,151.54
				(\$3,733.00)

TOTAL \$28,095.45



4/8/2022

Change Order Request **COR007**

S. S

Job #: C631
 Prime: Arthur R Henry Inc.
 Owner: City of Vinland
 Project: Citywide Drainage 21-003-2021

Number	DESCRIPTION OF WORK	COR Amount
COR007	<p>1. Remove & replace approx. 10' of 15" storm drain pipe as directed per city inspector at Baywood & Edgewood Intersection (between manhole # 1 and # Inlet 3). Tackcoat edges</p> <p>2. Remove & replace approx. 10' of 15" storm drain pipe as directed per city inspector at Greenwood CT (between Inlet # 10 and # Inlet 11).</p> <p>Pipe is damaged, preventing CIPP crew from cleaning and video for inspection of pipe. **Final restoration not included in estimate ** Overtime not included in estimate (to be billed if incurred)</p>	\$ 7,949.26

	Total	\$7,949.26
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To:	Steph Wakeley - City of Vinland	
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Sent By:	Tim Castellini	4/8/2022
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Approved By: _____ Date _____

<p>Arthur R. Henry, Inc. 3031 Ocean Heights Ave. Egg Harbor twp., NJ 08234 Office -609-927-6660 Fax - 609-927-4780</p>

Arthur R. Henry, Inc.
TIME AND MATERIAL WORKSHEET

Change Order# **COR007** ACTUAL INCURRED TIME
 Job #: C631
 DATE: Friday, April 8, 2022 thru

PROJECT: Citywide Drainage 21-003-2021
 PRIME: Arthur R Henry Inc.
 OWNER: City of Vinland
 OWNER Job #:

Baywood /Edgewood intersection & Greenwood Ct Damaged 15" Storm

DESCRIPTION: **1. Remove & replace approx. 10' of 15" storm drain pipe as directed per city inspector at Baywood & Edgewood Intersection (between manhole # 1 and # Inlet 3). Tackcoat edges**
2. Remove & replace approx. 10' of 15" storm drain pipe as directed per city inspector at Greenwood CT (between Inlet # 10 and # Inlet 11).
 Pipe is damaged, preventing CIPP crew from cleaning and video for inspection of pipe. **Final restoration not included in estimate **
 Overtime not included in estimate (to be billed if incurred)

LABOR		TIME	Total	2022 Rates	
QTY	DESCRIPTION	(HR/EA/Day	Manhours	COST RATE	TOTAL
1.0	Foreman		8.00	8	\$105.16 /HR \$841.28
0.0	Foreman	OT	0.00	0	\$142.43 /HR \$0.00
1.0	Operator		8.00	8	\$114.97 /HR \$919.76
0.0	Operator	OT	0.00	0	\$172.46 /HR \$0.00
3.0	Laborer		8.00	24	\$101.60 /HR \$2,438.40
0.0	Laborer	OT	0.00	0	\$137.09 /HR \$0.00
0.0	Truck Driver		0.00	0	\$82.80 /HR \$0.00
0.0	Truck Driver	OT	0.00	0	\$110.55 /HR \$0.00
40					
SUBTOTAL					\$4,199.44

EQUIPMENT		TIME(HR/EA)		COST RATE	TOTAL
QTY	DESCRIPTION				
0.0	185 cfm Air Compressor & tools	no charge	8.00	0	\$18.92 /HR \$0.00
0.0	Pick-Up Truck 3/4 Ton	no charge	8.00	0	\$28.27 /HR \$0.00
1.0	Utility Service Truck w/ Tools		8.00	8	\$75.00 /HR \$600.00
1.0	Dump truck single axl		8.00	8	\$46.22 /HR \$369.76
0.0	Mudsucker Pump & hose:	no charge	0.00	0	\$21.77 /HR \$0.00
0.0	Traffic Control Truck with TC device:	no charge	4.00	0	\$48.52 /HR \$0.00
1.0	Backhoe Cat 420		8.00	8	\$53.10 /HR \$424.80
0.0	Trench Roller compactoi	no charge	0.00	0	\$48.71 /HR \$0.00
SUBTOTAL					\$1,394.56

MATERIAL / OTHER MISC. / RENTALS				
DESCRIPTION	QTY	UNITS	UNIT PRICE	TOTAL
15" ADS drain pipe	20	LF	\$14.00	\$280.00
Sakcrete Bags	2	EA	\$7.00	\$14.00
Asphalt Base	3	TN	\$60.00	\$180.00
Dump Fees	2	TN	\$30.00	\$60.00
DGA	4	TN	\$12.00	\$48.00
3/4" Stone	3	TN	\$36.00	\$108.00
SALES TAX	AT	0.000%		\$0.00
SUBTOTAL				\$690.00

SUB-CONTRACTORS				
DESCRIPTION	QTY	UNITS	UNIT PRICE	TOTAL
Vortex sub-contractor - spray on liner at inlet :	0	LS	\$0.00	\$0.00
SALES TAX	AT	0.000%		\$0.00
SUBTOTAL				\$0.00

10%	Overhead	\$628.40
15%	Profit	\$1,036.86

TOTAL \$7,949.26



4/13/2022

Change Order Request **COR008**

S. 6

Job #: C631
Prime: Arthur R Henry Inc.
Owner: City of Vinland
Project: Citywide Drainage 21-003-2021

Number	DESCRIPTION OF WORK	COR Amount
COR008	Remove & replace approx. 80' of 15" storm drain pipe as directed per city inspector at Greenwood CT (between Inlet # 10 and # Inlet 11). Pipe is damaged & completely deteriorated, preventing CIPP crew from cleaning / video & lining.	\$ 16,680.49

	Total	\$16,680.49
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To:	Steph Wakeley - City of Vinland	
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Sent By:	Tim Castellini	4/13/2022
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Approved By: _____ Date _____

Arthur R. Henry, Inc.
3031 Ocean Heights Ave.
Egg Harbor twp., NJ 08234
Office -609-927-6660
Fax - 609-927-4780

Arthur R. Henry, Inc.
TIME AND MATERIAL WORKSHEET

Change Order# **COR007** ACTUAL INCURRED TIME
 Job #: C631
 DATE: Friday, April 8, 2022 thru

PROJECT: Citywide Drainage 21-003-2021
 PRIME: Arthur R Henry Inc.
 OWNER: City of Vinland
 OWNER Job #:

Baywood /Edgewood intersection & Greenwood Ct Damaged 15" Storm

DESCRIPTION: **1. Remove & replace approx. 10' of 15" storm drain pipe as directed per city inspector at Baywood & Edgewood Intersection (between manhole # 1 and # Inlet 3). Tackcoat edges**
2. Remove & replace approx. 10' of 15" storm drain pipe as directed per city inspector at Greenwood CT (between Inlet # 10 and # Inlet 11).
 Pipe is damaged, preventing CIPP crew from cleaning and video for inspection of pipe. **Final restoration not included in estimate **
 Overtime not included in estimate (to be billed if incurred)

LABOR		TIME	Total	2022 Rates		
QTY	DESCRIPTION	(HR/EA/Day	Manhours	COST RATE	TOTAL	
1.0	Foreman		8.00	8	\$105.16 /HR	\$841.28
0.0	Foreman	OT	0.00	0	\$142.43 /HR	\$0.00
1.0	Operator		8.00	8	\$114.97 /HR	\$919.76
0.0	Operator	OT	0.00	0	\$172.46 /HR	\$0.00
3.0	Laborer		8.00	24	\$101.60 /HR	\$2,438.40
0.0	Laborer	OT	0.00	0	\$137.09 /HR	\$0.00
0.0	Truck Driver		0.00	0	\$82.80 /HR	\$0.00
0.0	Truck Driver	OT	0.00	0	\$110.55 /HR	\$0.00
			40	SUBTOTAL		\$4,199.44

EQUIPMENT		TIME(HR/EA)	COST RATE	TOTAL		
QTY	DESCRIPTION					
0.0	185 cfm Air Compressor & tools	no charge	8.00	0	\$18.92 /HR	\$0.00
0.0	Pick-Up Truck 3/4 Ton	no charge	8.00	0	\$28.27 /HR	\$0.00
1.0	Utility Service Truck w/ Tools		8.00	8	\$75.00 /HR	\$600.00
1.0	Dump truck single axl		8.00	8	\$46.22 /HR	\$369.76
0.0	Mudsucker Pump & hose	no charge	0.00	0	\$21.77 /HR	\$0.00
0.0	Traffic Control Truck with TC device:	no charge	4.00	0	\$48.52 /HR	\$0.00
1.0	Backhoe Cat 420		8.00	8	\$53.10 /HR	\$424.80
0.0	Trench Roller compactor	no charge	0.00	0	\$48.71 /HR	\$0.00
			SUBTOTAL		\$1,394.56	

MATERIAL / OTHER MISC. / RENTALS					
DESCRIPTION	QTY	UNITS	UNIT PRICE	TOTAL	
15" ADS drain pipe	20	LF	\$14.00	\$280.00	
Sakrete Bags	2	EA	\$7.00	\$14.00	
Asphalt Base	3	TN	\$60.00	\$180.00	
Dump Fees	2	TN	\$30.00	\$60.00	
DGA	4	TN	\$12.00	\$48.00	
3/4" Stone	3	TN	\$36.00	\$108.00	
SALES TAX	AT	0.000%		\$0.00	
			SUBTOTAL		\$690.00

SUB-CONTRACTORS					
DESCRIPTION	QTY	UNITS	UNIT PRICE	TOTAL	
Vortex sub-contractor - spray on liner at inlet	0	LS	\$0.00	\$0.00	
SALES TAX	AT	0.000%		\$0.00	
			SUBTOTAL		\$0.00

10%	Overhead	\$628.40
15%	Profit	\$1,036.86

TOTAL \$7,949.26