Putnam Business Park 1689 Route 22 Brewster, NY 10509 Tel: 845-279-2220 Fax: 845-279-8909 jhahn@hahn-eng.com

MEMORANDUM

To

Marcus Serrano

Village Administrator

From

George E. Pommer, P.E.

Town Consulting Engineer

Dated

September 27, 2024

Subject

Change Order #2

Proposed 2024 Road Improvement Project

Village of Buchanan

Attached for your review and approval, please find Change Order #2, dated September 27, 2024 in the amount of \$35,300 for the referenced project.

This Change Order includes the removal of existing asphalt and subgrade material along Tate Ave for the installation of a new 18" drainage pipe. The work shall include backfilling and paving of the roadway. The contractor is scheduled to perform test pit work to determine if there are any interferences. If there are interferences that can not be removed or relocated in a timely manner, the pipe may be required to be smaller. In which case a credit will be given to the Village.

We have reviewed and evaluated the attached costs which are based on the Contractor's unit costs in the bid, and recommend that the Change Order be approved by the Village.

If there are any questions or comments, please do not hesitate to contact me at your earliest convenience.

PV:GEP Enclosure

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ENVIRONMENTAL AND CIVIL ENGINEERING STUDIES • REPORTS • DESIGN

ASCE AWWA NSPE WEF

CHANGE ORDER NO. 2 September 27, 2024

PROJECT: ROADWAY IMPROVEMENTS PROJECT 2024

Village of Buchanan

CONTRACTOR: Intercounty Paving Co., Inc.

PO Box 360

Carmel, NY 10512

TO: Patricia Spano, President

You are directed to make the following changes to the referenced project to include installation of 120 feet of 12 inch pipe along Tate Ave from an existing catch basin to an existing manhole in the Village of Buchanan. The work should be paid for as per the prices shown below and the supporting documents from the Contractor.

DESCRIPTION:

The work consists of installation of 120 feet of 12 inch pipe along Tate Ave from an existing catch basin to an existing manhole which is approximately 120 feet apart.

COST SUMMARY:

Description of Work

	UNIT COST	COST EXTENSION
See attached line items for description of work		
For 120 lf of 12 inch pipe along Tate Ave.		
Added cost if 18 inch pipe is required in lieu of	Per Attached	\$ 33,800.00
12 inch pipe to accommodate drainage.		\$ 1,500.00

Change Order No. 2 Roadway Improvements Project 2024 Village of Buchanan September 27, 2024

NEW CONTRACT PRICE: Contract price prior to this Change Order: Increase resulting from this Change Order: New Contract price including this Change Order:	\$ 450,070.25 \$ 35,300.00 \$ 485,370.25	
The above changes are recommended for approval:		
	James J. Hahn Engineering, P.C. Village Consulting Engineer	
By:	George E. Pommer, P.E.	
Dated:		
The above changes are accepted:		
	Village of Buchanan	
By:	Marcus Serrano Village Administrator	
Dated:		
The above changes are accepted:		
	Intercounty Paving Co., Inc. General Contractor	
Ву:	Patricia Spano, President	

 $P:\Village\ of\ Buchanan\Roadway\ Improvement\ Projects\Road\ Improvements\ 2024\Reqs\ \&\ Change\ Orders\CO\ 2\ -\ Tate\ Ave\ 12\ inch\ pipe\CO\ -2-2024\-09.doc$

Dated:



P.O. Box 360, Carmel NY 10512

Site Description: # S124768

Tate Avenue Drainage

Tate Avenue

Proposal # 2024-0292

Prepared By: Tyler Spano

Contact Information:

Date:

Submitted To:

Village of Buchanan

Contact Information Phone: Mobile: E-mail:	Buchanan, NY Site Contact: Site Phone:		Mobile: Office: (845) 226 E-mail: Project Manager Mobile: Email:	6-6575
*Will back fill ar	nd leave accessible each	g one lane traffic while worn days work ays though out the duration	•	
Qty	Proposed Service(s) & Des	scription(s)	Dep	th
120 Lr. Ft.	 Sawcut and remove asp Dispose of Asphalt at ap Excavate 4-5' below finis Drill and puncture into n limits Lay down a 6" bedding of Install 120 LF of 12" HD Parge around pipes on the Install 120 LF of 12" HD Compact item 4 with justice install 4" of NYS Type 3 Compact with 5 Ton vil 	oproved recycling facility shed grade hand digging around us man hole and catch basin on either of 3/4" Stone of 3	side of the drainage	\$33,800.00
			Project Total	\$33,800.00
*All credit card paym	be withdrawn if not accepted ant Tyler Spano	ssing fee and cardholder must pres	sent card in our office for process	sing.
•	•			

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1-800-BLACKTOP

Putnam Business Park 1689 Route 22 Brewster, NY 10509 Tel: 845-279-2220 Fax: 845-279-8909 jhahn@hahn-eng.com

MEMORANDUM

To : Marcus Serrano

Village Administrator

From : George E. Pommer, P.E.

Town Consulting Engineer

Dated : September 27, 2024

Subject : Change Order #3

Proposed 2024 Road Improvement Project

Village of Buchanan

Attached for your review and approval, please find Change Order #3, dated September 27, 2024 in the net amount of \$118,100.00 for the referenced project.

This Change Order includes milling and paving the existing public parking lot located on Tate Avenue in the Village of Buchanan. Additional work includes the installation of a modular block retaining wall, the installation of a concrete driveway apron, the installation of timber guide rails as well as line striping and pavement marking symbols. All work is to be completed in accordance with the attached line items sheet, drawings (deemed attached) for Proposed Tate Avenue Public Parking Lot Improvements, Dated June 27, 2024, Drawing C-3, by James J. Hahn Engineering, PC, and Village of Buchanan Roadway Improvement Project 2024 contract documents.

We have reviewed and evaluated the attached costs which are based on the Contractor's unit costs in the bid, and recommend that the Change Order be approved by the Village.

If there are any questions or comments, please do not hesitate to contact me at your earliest convenience.

PV:GEP Enclosure

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ENVIRONMENTAL AND CIVIL ENGINEERING
STUDIES • REPORTS • DESIGN

ASCE AWWA NSPE WEF

CHANGE ORDER NO. 3 September 27, 2024

PROJECT: ROADWAY IMPROVEMENTS PROJECT 2024

Village of Buchanan

CONTRACTOR: Intercounty Paving Co., Inc.

PO Box 360

Carmel, NY 10512

TO: Patricia Spano, President

You are directed to make the following changes to the referenced project to include parking lot improvements to the public parking lot located on Tate Avenue in the Village of Buchanan. The work should be paid for as per the prices shown below and the supporting documents from the Contractor.

DESCRIPTION:

The work consists of milling and paving the existing public parking lot located on Tate Avenue in the Village of Buchanan. Additional work includes the installation of a modular block retaining wall, the installation of a concrete driveway apron, the installation of timber guide rails as well as line striping and pavement marking symbols. All work is to be completed in accordance with the attached line items sheet, drawings (deemed attached) for Proposed Tate Avenue Public Parking Lot Improvements, Dated June 27, 2024, Drawing C-3, by James J. Hahn Engineering, PC, and Village of Buchanan Roadway Improvement Project 2024 contract documents.

COST SUMMARY:

Description of Work

<u>UNIT COST</u> <u>COST EXTENSION</u>

See attached line items for description of work For Tate Avenue Parking Lot Improvements, Dated 9/24/2024, along with attached three (3) sheets dated 9/19/2024.

Per attached \$179,856.00

Change Order No. 3 Roadway Improvements Project 2024 Village of Buchanan September 27, 2024

Credit

Bituminous Base Course (\$22,100.00) Bituminous Top Course (\$16,330.00) Crushed Stone (\$21,150.00) Pavement Markings ((\$2,176.00) Total (\$61,756.00)

Total Net Difference (179,856.00-61,756.00) = \$118,100.00				
NEW CONTRACT PRICE: Contract price prior to this Change Order: Increase resulting from this Change Order: Credit for work in original contract: New Contract price including this Change Order:	\$ 485,370.25 \$ 179,856.00 \$ (61,756.00) \$ 603,470.25			
The above changes are recommended for approval:				
	James J. Hahn Engineering, P.C. Village Consulting Engineer			
By:	George E. Pommer, P.E.			
Dated:				
The above changes are accepted:				
	Village of Buchanan			
By:	Marcus Serrano Village Administrator			
Dated:				

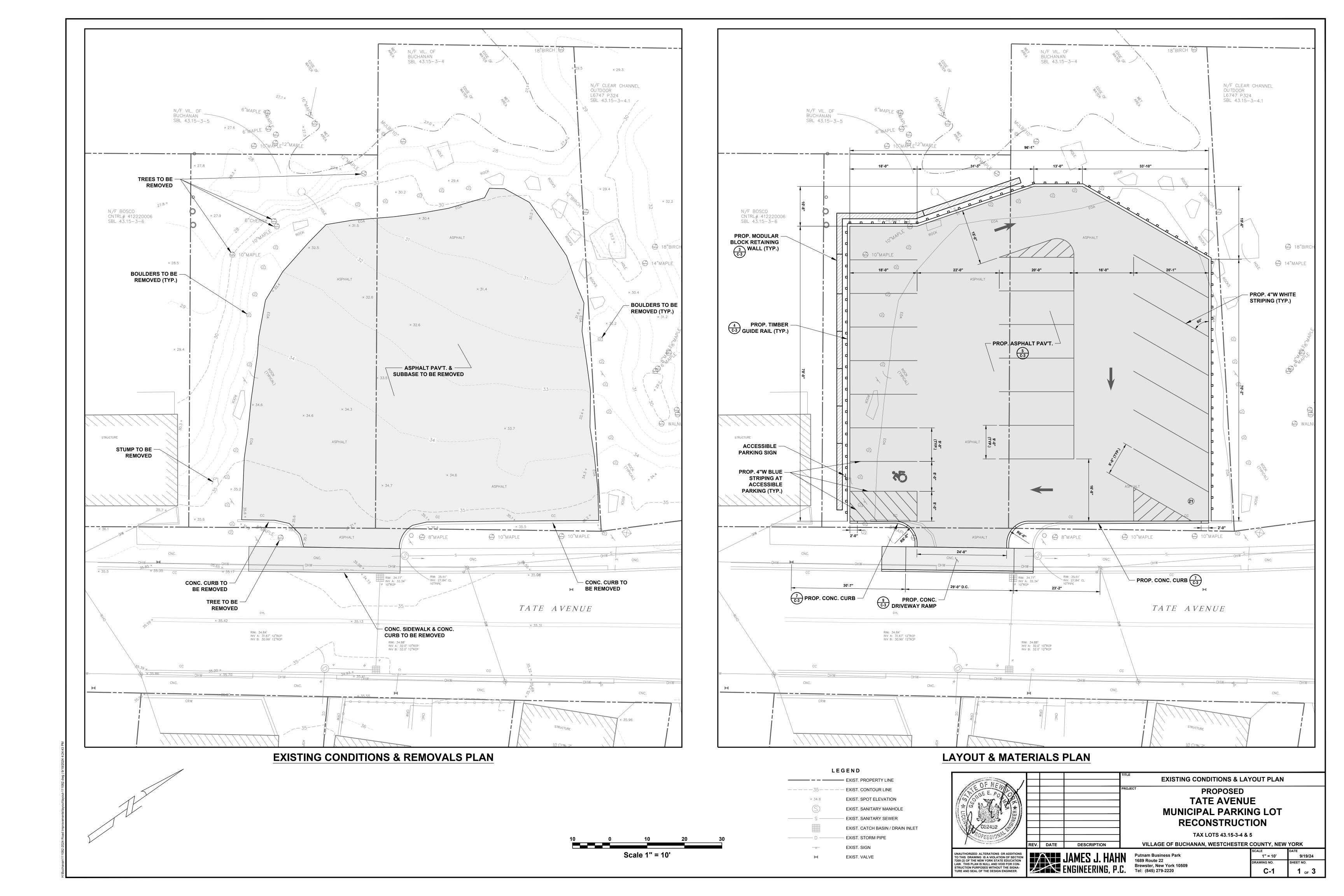
Change Order No. 3 Roadway Improvements Project 2024 Village of Buchanan September 27, 2024

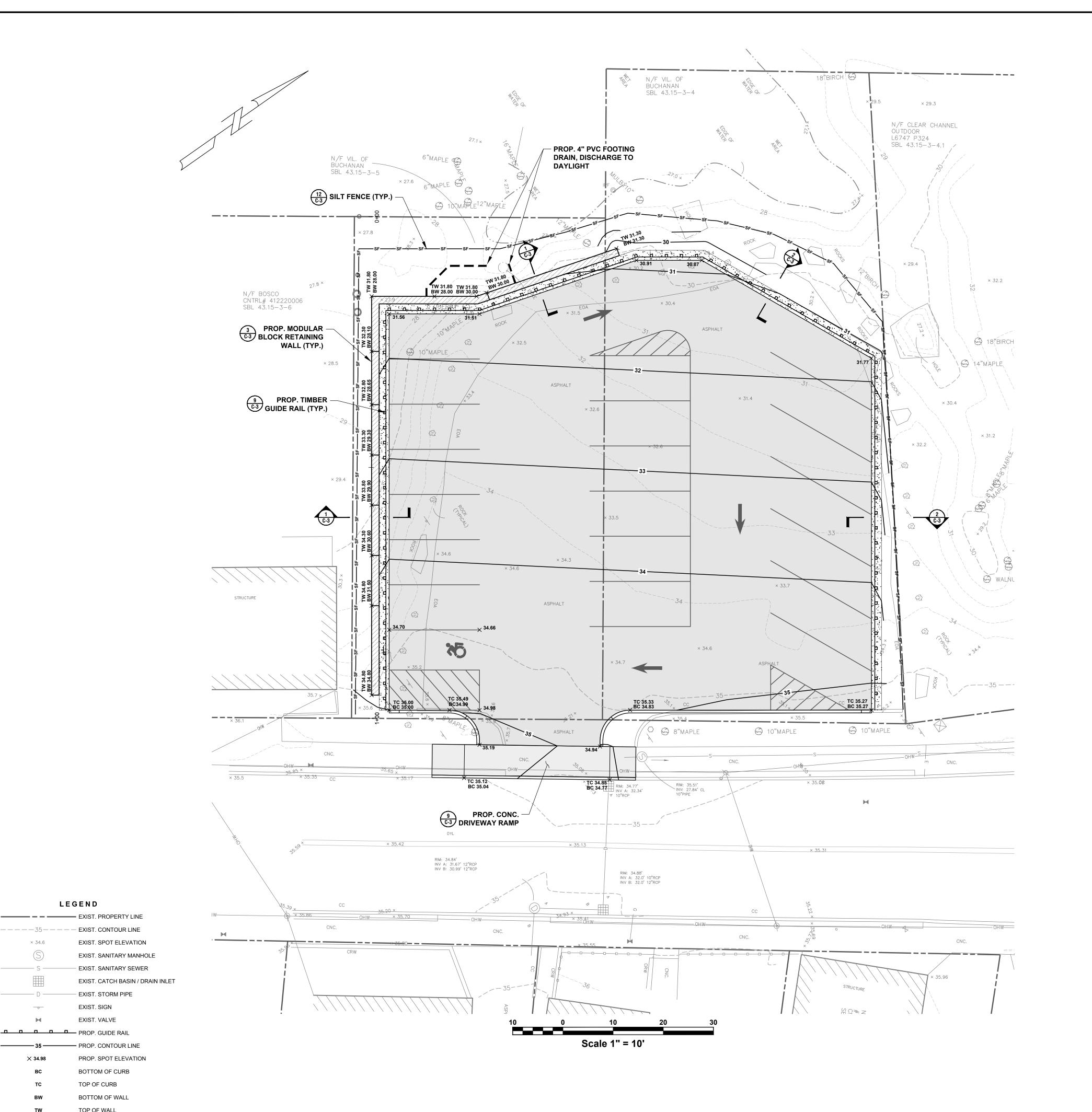
The above changes are accepted:	
	Intercounty Paving Co., Inc. General Contractor
By:	Patricia Spano, President
Dated:	

PROPOSAL FOR TATE AVENUE PARKING LOT VILLAGE OF BUCHANAN, NY 9/24/2024

Item #	Bid Item	Unit	Est. Quantity	Unit Price	Total Cost
BBC	Bituminous Base Course (3")	TON	170	\$ 130	\$23,100
BMW	Block Modular Retaining Wall System	LF	145	\$235	\$34,075
BR	Boulder Removal	LS	1	\$2,300	\$2,300
BTC	Bituminous Top Course (2")	TON	115	\$143	\$16,330
CC	Concrete Curb	LF	135	\$82	\$11,070
CSG	Crushed Stone and Gravel ("Item 4")	CY	235	\$90	\$21,150
CSG	Crushed Stone and Gravel (2" Clean Stone)	CY	720	D11 #	\$7,920
CSR	Concrete Sidewalks and Driveways (7")	SF	270	\$48	\$12,960
DWA	Dewatering	Allow.	1 -	\$ 10,000.0	
ECD	Erosion Control Devices	LS	1	\$1,000	\$1,000
MEE	Miscellaneous Earth Excavation	CY	50	\$35	\$1,750
MPT	Maintenance & Protection of Traffic	LS	1	\$1,200	\$1,200
PM	Pavement Markings (4" - White)	LF	1,770	\$0.80	\$1,416
PM	Pavement Markings (4" - Blue)	LF	400	\$0.50	\$3,20
PM	Pavement Markings (Symbols)	EA	4	* 110	\$440
PVC	PVC Drainage Pipe (4" Dia.)	LF	165	3515	\$2,475
R	Restoration	NP	NP	NO-PAYMENT	NON-PAYMENT
SCP	Saw Cutting Pavement	NP	NP	NON-PAYMENT	NON-PAYMENT
SS	Survey and Stakeout	LS	1	\$800	\$800
TGR	Timber Guide Rail	LF	280	\$80	\$22,400
TR	Tree Removal (Trees)	EA	5	\$70c	#3500
TR	Tree Removal (Stumps)	EA	1	事いらつの	\$1,500
TSP	Traffic Sign and Post (Accessible Parking Sign)	EA	1	\$450	\$450
TSS	Furnish & Install Top Soil & Seed	SF	1,400	\$3	\$4,200
UFG	Unclassified Excavation, Filling & Grading	LS	1	\$500	\$500
				SUBTOTAL	179,856

This estimate is preliminary and approximate. The prices shown above are not actual construction prices and are subject to change. These prices are based on our engineering experience and knowledge of previous construction projects of similar work and scope. The estimate does not include utility construction costs for sanitary sewe, water, telephone, electric and gas, permit fees and any other fees or costs related to the infrastructure work. This estimate is for budgeting purposes only.





LEGEND

EXIST. SIGN EXIST. VALVE

TOP OF CURB

TOP OF WALL

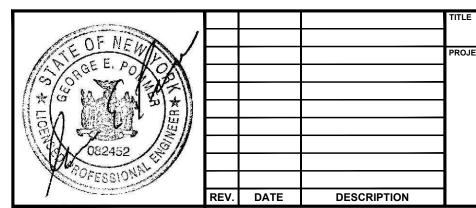
—SF——SF——PROP. SILT FENCE

GENERAL NOTES

- 1. All work and materials shall be in accordance with these plans, specifications, any revisions thereto, and the rules and regulations of the Village of Buchanan.
- 2. The subsurface information shown hereon is not guaranteed as to accuracy or completeness. The Contractor shall verify the location of all existing utility lines whether in public right-of-way, in easements, or in private property prior to starting any excavation and shall be responsible for the same. The Contractor shall be responsible for contacting the Underground Facilities Protective Organization, pursuant to N.Y.S. Law, 16
- 3. The Contractor shall be responsible for the relocation of any utility service line or valve which is in interference with the proposed work.
- 4. Existing trees shall be preserved and protected wherever possible and shall only be removed with the approval of the Engineer. Tree roots shall be avoided wherever possible. Where tree roots cannot be avoided, they shall be cut cleanly. Tree roots shall be kept moist while trenches are open.
- 5. The Contractor shall verify all existing and proposed elevations in the field.
- 6. The maintenance and protection of traffic schemes, both pedestrian and vehicular, shall be the responsibility of the Contractor. Access to all commercial, institutional and residential parking facilities shall be maintained at all times. A safe means of pedestrian access to and from all points within the contract limit shall be provided. The Contractor must submit traffic maintenance and staging schemes in writing to the Engineer for approval. All traffic maintenance devices, including, but not limited, to temporary signs, barricades, steel plates, lights and warning signals, shall be constructed and displayed in accordance with the rules and regulations of the Village of Buchanan and the Federal MUTCD.
- 7. The Contractor shall provide the Engineer with a telephone number of the person responsible in the case of an emergency, 24 hours a day, 7 days a week.
- 8. All damage to public or private facilities caused by the Contractor's operation shall be repaired to the satisfaction of the Owner at the Contractor's expense.
- 9. Trenches shall not be left open overnight or unattended. At the close of each workday the Contractor shall fill or cover trenches with steel plates to the satisfaction of the Engineer.
- 10. The Contractor shall submit shop drawings for all works to the Engineer. No construction shall be allowed until the shop drawings are approved.
- 11. The Contractor shall comply with O.S.H.A. Standard 29 CFR Part 1926.650, .651 and .652 for all excavations.
- 12. Refuse from demolition shall become the property of the Contractor. It shall be the Contractor's responsibility to dispose of all construction refuse legally.
- 13. Existing valves and manhole covers to remain shall be adjusted to finished grades where required.
- 14. Existing pavement shall be sawcut in a straight line where it is to be bounded by new pavement.
- 15. The pavement and subbase thicknesses noted on these plans are after compaction.
- 16. Fill material shall be free from organic matter, loam and frozen material. Soft or spongy areas after compaction shall be removed, the pocket drained and refilled with select material.
- 17. All existing site features, including, but not limited to, pavement, curbing, grass, landscaping, piping, utility lines, pavement markings, walls, fencing, and structures, disturbed or damaged by construction shall be restored by the Contractor to a condition equal to or better than those currently existing and as directed by the
- 18. Disturbed grass or earth areas shall be provided with 4 inches minimum of topsoil and seeded or sodded as described in the specifications.

EROSION CONTROL NOTES

- 1. All erosion control measures downslope of the proposed work area shall be in place as shown on the erosion control drawings prior to the start of construction.
- 2. Final grades shall be established as quickly as possible and topsoiled and seeded to provide a turf which will stabilize slopes and prevent erosion.
- 3. Slopes to remain open during construction shall be protected with mulch and staked tobacco netting.
- 4. Catch basins and drain inlets shall be protected as shown on the erosion control drawings throughout the construction period and until all disturbed areas are thoroughly stabilized.
- 5. Soil stockpiles shall not be allowed on steep slopes, in drainage swales or in wetland areas. Soil stockpiles shall be surrounded with silt fencing and seeded.
- 6. Erosion control measures shall be inspected after each rainfall and shall be cleaned, repaired or replaced as
- 7. The Village's wetland consultant, engineer, or a N.Y.S.D.E.C. field representative may require additional erosion control measures if deemed appropriate to mitigate unforeseen siltation and erosion of disturbed soils.



UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS DRAWING IS A VIOLATION OF SECTION 7209 (2) OF THE NEW YORK STATE EDUCATION

LAW. THIS PLAN IS NULL AND VOID FOR CON-

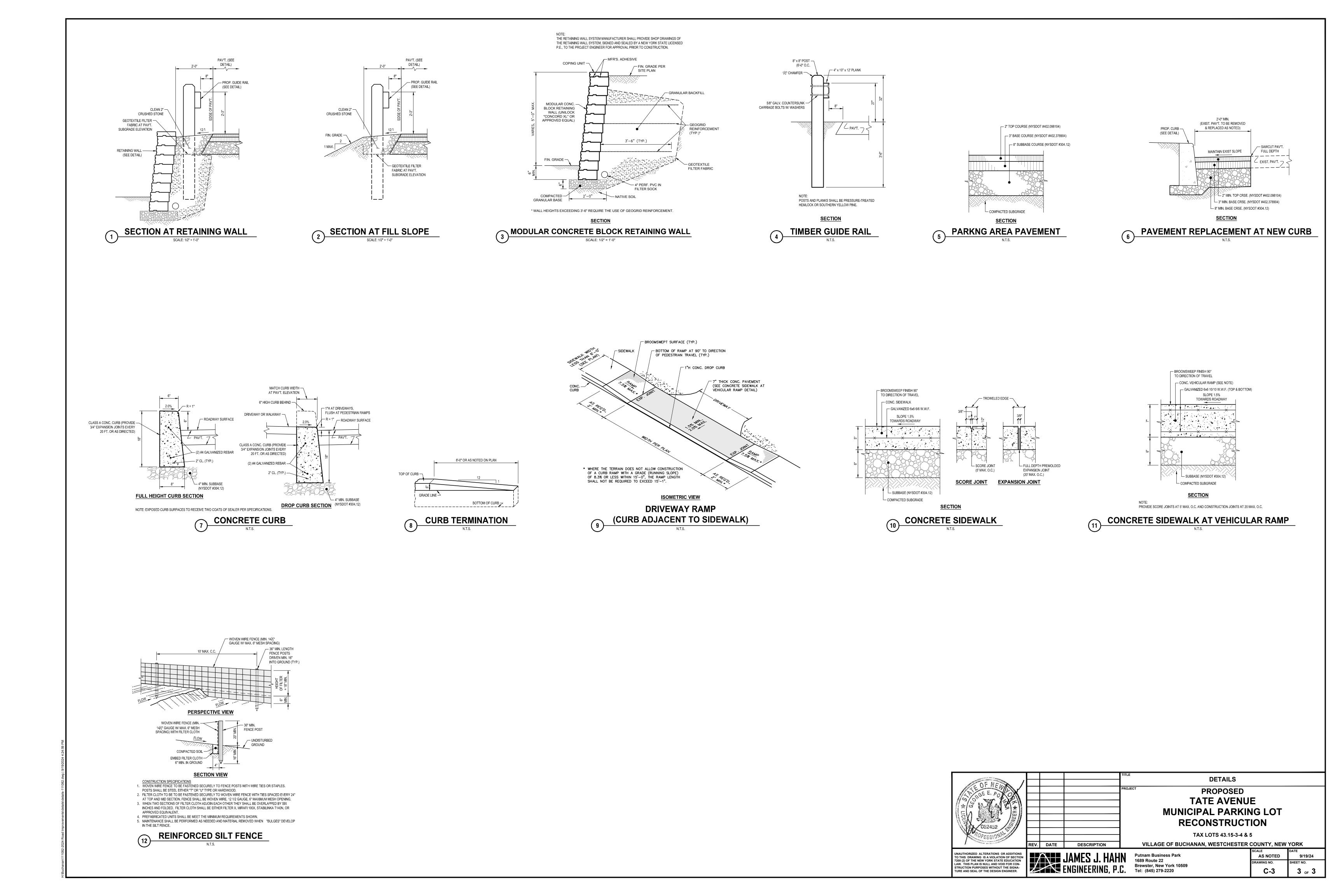
STRUCTION PURPOSES WITHOUT THE SIGNATURE AND SEAL OF THE DESIGN ENGINEER.

SITE PLAN **PROPOSED TATE AVENUE MUNICIPAL PARKING LOT** RECONSTRUCTION

TAX LOTS 43.15-3-4 & 5 VILLAGE OF BUCHANAN, WESTCHESTER COUNTY, NEW YORK

Brewster, New York 10509

1" = 10'



Putnam Business Park 1689 Route 22 Brewster, NY 10509 Tel: 845-279-2220 Fax: 845-279-8909 jhahn@hahn-eng.com

MEMORANDUM

To : Marcus Serrano

Village Administrator

From: George E. Pommer, P.E.

Town Consulting Engineer

Dated: September 27, 2024

Subject : Change Order #4

Proposed 2024 Road Improvement Project

Village of Buchanan

Attached for your review and approval, please find Change Order #3, dated September 27, 2024 in the amount of \$2,814.44 for the referenced project.

The work consists of suppling and installing the following additional quantities of items in the project to remove uneven asphalt, and replace full street width asphalt patch and grading around catch basins and manholes on Rockledge Avenue. Exact locations and limits of work will be confirmed in the field, with the Contractor and Engineer. All work and documentation shall adhere to the project documents including bid drawings, general conditions, special conditions, technical specifications, and agreement.

We have reviewed and evaluated the attached costs which are based on the Contractor's unit costs in the bid, and recommend that the Change Order be approved by the Village.

If there are any questions or comments, please do not hesitate to contact me at your earliest convenience.

PV:GEP Enclosure

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ENVIRONMENTAL AND CIVIL ENGINEERING STUDIES • REPORTS • DESIGN

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CHANGE ORDER NO. 4 September 27, 2024

PROJECT: ROADWAY IMPROVEMENTS PROJECT 2024

Village of Buchanan

CONTRACTOR: Intercounty Paving Co., Inc.

PO Box 360

Carmel, NY 10512

TO: Patricia Spano, President

You are directed to make the following work changes to the referenced project. The work will be paid for as per the prices shown below and attached documents in direct relation to payment for this item.

DESCRIPTION:

Supply and install the following additional quantities of items in the project to remove uneven asphalt, and replace full street width asphalt patch and grading around catch basins and manholes on Rockledge Avenue. Exact locations and limits of work will be confirmed in the field, with the Contractor and Engineer. All work and documentation shall adhere to the project documents including bid drawings, general conditions, special conditions, technical specifications and agreement.

COST SUMMARY:

Description	Quantity and Unit Price	Cost Extension
Pavement Milling Bituminous Top Course	120 SY x \$ 5.50 15 TONS x \$ 142.00	\$ 684.44 \$ 2,130.00

TOTAL COST OF LINE ITEMS: \$ 2,814.44

2024 Road Improvements Project Change Order 4 Village of Buchanan September 27, 2024#

NEW CONTRACT PRICE: Contract Price prior to this Change Order: Cost Resulting From this Change Order:	\$ 603,470.25 \$ 2,814.44
New Contract Price including this Change Orde	r: \$ 606,284.69
The above changes are recommended for approval:	
	James J. Hahn Engineering, P.C. Town Consulting Engineer
By:	George E. Pommer, P.E.
Dated:	
The above changes are accepted:	
	Village of Buchanan Village Administrator
By:	Marcus Serrano
Dated:	
The above changes are accepted:	Intercounty Paving Co. Inc. General Contractor
By:	Patricia Spano
Dated:	

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