

TOWN OF NATICK MASSACHUSETTS

TO: Natick Board of Selectmen
Melissa A. Malone, Town Administrator
William D. Chenard, Deputy Town Administrator - Operations
Jeremy Marsette, Director, Natick Public Works
William McDowell, Town Engineer
John DiGiacomo, Assistant Town Engineer

FROM: Bryan R. Le Blanc, Procurement Officer

DATE: January 9, 2020

SUBJECT: CONTRACT AWARD
Roadway Improvements to South Main Street, Natick, Massachusetts

On December 18, 2019, sealed bids were received in accordance with M.G.L. c. 30, §39M, for the procurement of services to perform roadway improvements to South Main Street in the Town of Natick. Bids were received from four (4) bidders. (See attached.)

The lowest bidder, R.M. Pacella, of Plainville, MA, is the lowest responsible and eligible bidder. We recommend that the Natick Board of Selectmen award the contract to R.M. Pacella for the complete main bid work, as provided for in the Town's Invitation for Bids. The amount of the award will be for \$4,334,407.00 Base. Should the Selectmen decide, it may also wish to award based upon the Base work, plus alternate 1, for a total of \$4,661,466.75. This would enable the additional sidewalk work to be done for Route 27, as provided for in R.M. Pacella's bid. Mr. McDowell, and I have reviewed the bids received and have checked the references and qualifications of R.M. Pacella. We have determined it to be a responsible and eligible bidder.

Please advise if you have any questions or require additional information.

Bids Received:	12/18/2019
Newspaper Advertisement (<u>Metrowest Daily News</u>):	11/21/2019
Website Posting:	11/15/2019
Town Hall Postings:	11/15/2019
Central Register:	11/27/2019
COMMBUYS Posting:	11/15/2019

Funding: For base work: Fall Annual Town Meeting \$4,650,000.00 for project total.
Funding for the alternate would come from Chapter 90 funds.

Bids Received: See attached.

I/FB Opening Form

Date & Time: December 18, 2019, 11:00 A.M. EST

[illegible]

CPO Signature:

Witness Signature:

IFB Opening Form

Date & Time: December 18, 2019, 11:00 A.M. EST

Accepted this 18th day of December 1999 in the County of _____ State of _____

 CTO Signature: _____ 12/18/99

Witness Signature:

51-81-21

**GREEN INTERNATIONAL AFFILIATES, INC.**

239 LITTLETON ROAD, SUITE 3 WESTFORD, MA 01886

T: (978) 923-0400 | F: (978) 399-0033 | WWW.GREENINTL.COM

January 6, 2020

Mr. William McDowell, P.E.
Town Engineer
Natick Department of Public Works
75 West Street
Natick, MA 01760

**Subject: Proposed Roadway Improvements to South Main
Street Bid Evaluation**

Dear Mr. McDowell:

Green International Affiliates, Inc. (Green) has completed a review of the bids that were received for the Proposed Roadway Improvements to South Main Street project opened by the Town Procurement Officer at the Natick Department of Public Works lunch room on December 18, 2019 at 11:00am. It is our understanding that ten (10) prequalified prospective bidders received the South Main Street bid documents. Four (4) contractors submitted bids for this project as described in the bid solicitation package. Bids were received for this project by R.M. Pacella Inc., J.H. Lynch & Sons Inc., E.T. & L. Corporation, and I.W. Harding Construction Corporation. It is also our understanding that each of the four bidders submitted the required documents with their bids and acknowledged both addendums. We offer the following as a result of our evaluation of the bids:

Comparison of Engineer's Estimate vs. Bid Prices:

An Engineer's Estimate was prepared for the project based on the Contract Documents for the Proposed Roadway Improvements to South Main Street Project and on weighted average unit bid prices available from the Massachusetts Department of Transportation Highway Division (MassDOT) for work of similar size and scope. Summarized below are the totals for the four bidders, along with the Engineer's Estimate total, sorted lowest to highest:

	BASE BID	ADD ALT. NO. 1 BID	BID TOTAL
Engineer's Estimate	\$4,032,156.85 *	\$307,318.50	\$4,339,475.35 *
R.M. Pacella	\$4,334,407.00	\$327,059.75	\$4,661,466.75
J.H. Lynch	\$4,792,015.70	\$460,953.85	\$5,252,969.55
E.T.&L. Corporation	\$4,943,594.00	\$414,537.00	\$5,358,131.00
I.W. Harding, W.	\$5,389,592.40	\$464,887.42	\$5,854,479.82

* Estimate has been revised to include the design changes in Addendum No. 1 and No. 2.

Bid forms from the bidders have been reviewed to confirm accuracy of bids. No discrepancies were noted between the written and numerical unit prices. It is noted that R.M. Pacella included just the cost of Add Alternate No. 1 under the sections that read "Total Bid Price inclusive of Add Alternate No. 1". This value should have been \$4,661,466.75, not \$327,059.75. However, it is apparent that the Contractor included only the cost of Add Alternate No. 1. The math was verified in both the base bid and add alternate sections. No

errors were found, therefore R.M.'s Total Bid Price inclusive of Add Alternate No. 1 has been determined to be \$4,661,466.75.

The table above shows that R.M. Pacella of Plainville, MA, was the lowest confirmed bidder for the Base Bid and Add Alternate No. 1. J.H. Lynch of Millbury, MA was the second lowest confirmed bidder and E.T.&L. Corporation of Stow, MA was the third lowest confirmed bidder.

The low bid total was \$321,991.40 (7.42%) above the Engineer's Estimate and \$591,502.80 (11.26%) below the second lowest confirmed bid. The second lowest confirmed bid was \$913,494.20 (21.05%) above the Engineer's Estimate. The third lowest confirmed bid was \$1,018,655.65 (23.48%) above the Engineer's Estimate. The Engineer's Estimate was \$942,286.43 (17.84%) below the average total bid price from the four bidders of \$5,281,761.78.

Review of Low Bidders Submittal Packages:

A review of R.M. Pacella's bid revealed that unit prices for several items were substantially higher than Green's estimated unit price. The quantities in the following table only reflect base bid values. The unusually high bid prices include:

ITEM #	DESCRIPTION	QTY	UNIT	ENGINEER'S ESTIMATE UNIT PRICE	LOW BIDDER UNIT PRICE
170.	FINE GRADING AND COMPACTING – SUBGRADE AREA	10,400	SY	\$4.00	\$12.00
415.	PAVEMENT MICROMILLING	2,040	SY	\$8.00	\$16.50
453.	HMA JOINT SEALANT	1,150	FT	\$0.90	\$5.50
460.	HOT MIX ASPHALT	8,750	TON	\$85.00	\$95.00
472.	ASPHALT MIXTURES FOR TEMPORARY WORK	190	TON	\$200.00	\$268.00
630.2	HIGHWAY GUARD REMOVED AND DISCARDED	400	FT	\$5.00	\$15.00
767.122	FILTER TUBE	27	LF	\$9.00	\$16.50
854.018	TEMPORARY PAVING MARKINGS – 8 INCH (PAINT)	912	FT	\$0.22	\$1.00
864.12	GREEN ROADWAY SHOULDER PAVEMENT MARKING	2,300	SF	\$6.84	\$15.00

The low bidder price and the second low bidder price for Item 170 "FINE GRADING AND COMPACTING – SUBGRADE AREA" was substantially higher than the Engineer's Estimate unit price. The quantity was confirmed, and the Engineer's unit price appeared to be reasonable compared to the MassDOT weighted average unit price. Per the specifications fine grading and compacting for the reclaimed material is included in the cost of the item. It is recommended that the Town advise the bidder that this item will be used in strict accordance with the specification and only be applied as noted in the specification. All three low bidders' unit prices were higher than the Engineer's Estimate.

The low bidder's unit price for Item 415 "PAVEMENT MICROMILLING" was substantially higher than the Engineer's Estimate unit price. The quantity was confirmed, and the Engineer's unit price appeared to be reasonable compared to the MassDOT weighted average unit price. All three low bidders' unit prices were higher than the Engineer's Estimate.

Mr. William McDowell, P.E.

January 6, 2020

The low bidder price for Item 453 "HMA JOINT SEALANT" was significantly higher than the Engineer's Estimate unit price. The other three bidders were significantly lower than the low bidder. Green determined that a typographic error was made in the calculation sheet. The calculation for the length of joint sealant needed on South Main Street was inadvertently reported as 690 FT instead of 6900 FT. The total quantity for this item should be 7,350 FT. The 2nd low bidder was significantly less than the Engineer's Estimate and the 3rd low bidder was slightly higher than the Engineer's Estimate. MassDOT's Supplemental Specification note that HMA joint sealant is only used at longitudinal joint edges of HMA Surface Course. To avoid overages, we recommend the Town advise the Contractor that this item will be used in strict accordance with the specification and only be applied as noted in the specification. Also, the specifications state that hot poured rubberized asphalt sealant shall not be applied if a wedge joint is used. It is recommended that the Town advise the Contractor to use a wedge joint along longitudinal joints to avoid overages.

The low bidder prices for Item 460 "HOT MIX ASPHALT" and Item 472 "ASPHALT MIXTURES FOR TEMPORARY WORK" were higher than the Engineer's Estimate unit price. The quantities for these items were reviewed and appeared to be reasonably accurate. Green's unit price was based off bid history that was provided by the Town.

The low bidder's unit price for Item 630.2 "HIGHWAY GUARD REMOVED AND DISCARDED" is higher than the Engineer's Estimate. The quantity for this item was reviewed and appeared to be reasonably accurate. However, the Engineer's Estimate unit cost was comparable to the second and third lowest bidders. During construction the Contractor will only be paid for the removal of guardrail as it is called out in the plans. Any additional guardrail removed will need to be confirmed with the engineer.

Item 767.122 "FILTER TUBE", Green determined that in Addendum No. 2 a typographic error was made in the Bid Documents. The quantity for this item was inadvertently reported as 27 FT instead of 2750 FT. All low bidder's unit prices were higher than the Engineer's Estimate. Using the corrected quantity, the total cost for this item is \$45,375.00.

The low bidder's unit price for Item 854.018 "TEMPORARY PAVING MARKINGS - 8 INCH (PAINT)" was higher than the Engineer's Estimate unit price. The quantity for this item was reviewed and appears to be accurate. This item is no longer on MassDOT's Standard Item List. As a result, Green's unit price was based on similar items on MassDOT's Standard Item List and their weighted average unit prices. Bid history from recent municipal projects was also used. All three low bidders' unit prices were higher than the Engineer's Estimate.

The low bidder's unit price for Item 864 "GREEN ROADWAY PAVEMENT MARKING" was substantially higher than the Engineer's Estimate unit price. The quantity for this item was reviewed and appears to be reasonably accurate. This item is not on MassDOT's Standard Item List. As a result, Green's estimate was based on pricing obtained from the manufacturer, accounting for transportation, labor and markup. The low bidder's unit price was substantially higher than the second and third low bidders'. All three low bidders' unit prices were higher than the Engineer's Estimate.



Mr. William McDowell, P.E.
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The review of R.M. Pacella's bid also revealed that unit prices for several items were substantially lower than Green's estimated unit price. The quantities in the table only reflect base bid values. The unusually low bid prices include:

ITEM #	DESCRIPTION	QTY	UNIT	ENGINEER'S ESTIMATE UNIT PRICE	LOW BIDDER UNIT PRICE
120.	EARTH EXCAVATION	8,550	CY	\$27.00	\$20.00
403.	RECLAIMED PAVEMENT FOR BASE COURSE AND/OR BASE	18,750	SY	\$6.00	\$4.25
697.11	INLET SEDIMENT FILTER BAG	120	EA	\$125.00	\$25.00
860.104	4 INCH REFLECTORIZED WHITE LINE (PAINTED)	12,500	FT	\$1.10	\$0.30
860.108	8 INCH REFLECTORIZED WHITE LINE (PAINTED)	75	FT	\$2.10	\$1.00
861.104	4 INCH REFLECTORIZED YELLOW LINE (PAINTED)	12,150	FT	\$1.10	\$0.30

Where the bid includes instances of bid items priced at unusually low unit prices, it is recommended that the Town of Natick remind the low-bidding contractor that these low unit prices must be honored as long as the actual quantities realized for these work items remain reasonably close to the quantities set forth in the bid solicitation package.

The low bidder's unit price for Item 120 "EARTH EXCAVATION" was lower than the Engineer's Estimate. Green reviewed and confirmed the quantity and unit price for this item. The other low bidder's unit prices were higher than the Engineer's Estimate. The average of the three low bidders was approximately equal to the unit price in the Engineer's Estimate.

The low bidder's unit price for Item 403 "RECLAIMED PAVEMENT FOR BASE COURSE AND/OR BASE" was lower than the Engineer's Estimate. The lower unit price from the low-bidding contractor created an extended cost that was \$32,812.50 less than the Engineer's Estimate. Green reviewed and confirmed the quantity and Engineer's unit price for this item. The average of the three low bidders was approximately equal to the unit price in the Engineer's Estimate.

The low bidder's unit price for Item 697.11 "INLET SEDIMENT FILTER BAG" is considerably lower than the Engineer's Estimate. Green reviewed the quantity and unit price for this item. The quantity was confirmed and using the unit price for this item appeared to be reasonable based on the MassDOT weighted average unit price. Due to the low unit price for this item, we recommend that the Town advise the bidder that the sediment filter bags are to be installed throughout the project and shall be maintained for the duration of construction.

The low bidder's unit price for Item 860.104 "4 INCH REFLECTORIZED WHITE LINE (PAINTED)", Item 860.108 "8 INCH REFLECTORIZED WHITE LINE (PAINTED)" and Item 861.104 "4 INCH REFLECTORIZED YELLOW LINE (PAINTED)" were substantially lower than the Engineer's Estimate unit price. The quantity for these items were reviewed and appeared to be reasonable. These items are no longer on MassDOT's Standard Item List. As a result, Green's unit prices were based on similar items on MassDOT's Standard Item List and their weighted average unit prices. Bid history from recent municipal projects was also used. All three low bidders' unit prices were lower than the Engineer's Estimate.

Mr. William McDowell, P.E.
January 6, 2020

A review of the bids revealed that there was a wide variation in the bidder's unit bid prices for many items. The quantities in the table only reflect base bid values. Some of the more widely varying items are included below:

ITEM #	DESCRIPTION	QTY	UNIT	ENGR'S EST. UNIT PRICE	LOW BIDDER UNIT PRICE	2 ND LOW BIDDER UNIT PRICE	3 RD LOW BIDDER UNIT PRICE
101.	CLEARING AND GRUBBING	0.25	A	\$28,500.00	\$60,000.00	\$42,300.00	\$120,000.00
151.	GRAVEL BORROW	3,600	CY	\$40.00	\$15.00	\$6.75	\$63.00
156.	CRUSHED STONE	390	TON	\$35.00	\$15.00	\$30.00	\$60.00
851.2	TRAFFIC CONTROLS FOR CONSTRUCTION	1	LS	\$70,000.00	\$185,000.00	\$256,750.00	\$120,000.00
756.	NPDES STORMWATER POLLUTION PREVENTION PLAN	1	LS	\$5,000.00	\$9,300.00	\$15,000.00	\$8,000.00

The unit costs for Item 101. "CLEARING AND GRUBBING" varied widely from the unit price of the Engineer's Estimate. All the bidders had unit prices that were higher than the Engineer's Estimate. The quantity was confirmed, and the Engineer's unit price appeared to be reasonable compared to the MassDOT weighted average unit price. Contingency is included as part of this item and we do not anticipate overages. To avoid unintended cost increases, the limits of clearing and grubbing should be reviewed in the field by the Town and approved before the start of work.

The low bidder's price for Item 151 "GRAVEL BORROW" is considerably lower than the Engineer's Estimate. Green reviewed the quantity and unit price for this item. The quantity was confirmed, and the unit price appeared to be reasonable compared to the MassDOT weighted average unit price. The specifications state that the Contractor shall first use all on-site reclaimed material before gravel borrow material is brought in from off-site. The unit cost for the low bidder and 2nd lowest bidders were lower than the Engineer's Estimate. The 3rd low bidder was substantially higher than the Engineer's Estimate unit price.

The low bidder's unit price for Item 851.2 "TRAFFIC CONTROLS FOR CONSTRUCTION" was substantially higher than the Engineer's Estimate unit price. Green developed a cost breakdown of this item when developing the unit price used in the Engineer's Estimate. In addition, Green reviewed bid histories from recent municipal projects with similar project characteristics such as scope of work, duration, type of roadway, etc. The quantity was confirmed, and the Engineer's unit price appeared to be reasonable. The low bidder's unit price was substantially lower than the second low bidder's but was substantially higher than the third low bidder. All three low bidders' unit prices were higher than the Engineer's Estimate.

When reviewing R.M. Pacella's unit prices it was noted that all base bid unit costs matched the add alternate unit costs except for Item 685. "STONE MASONRY WALL IN CEMENT MORTAR". The unit price from the base bid is \$985 and the add alternate unit price is \$750. The quantity for the base bid is 80 CY and the quantity for the add alternate is 155 CY. Should the Town award the add alternate, the Contractor should use the add alternate unit bid price for all work.

Mr. William McDowell, P.E.
January 6, 2020

Review of Low Bidder Required Bid Documents:

Green evaluated the documents submitted by R.M. Pacella to confirm the firm's overall abilities, relevant experience, and acceptable performance on previous projects. The bid package included the Form of General Bid, addendum acknowledgements, Tax Compliance Certification, Certificate of Corporate Bidder, Conflict of Interest Certificate, Signature of Bidder & Addenda, Certificate of Insurability, Compliance with MGL 151B, Certificate of Non-Debarment, a bid bond for 5% of the Bid and the surety. All required materials appear to have been submitted and it is anticipated that the Town of Natick will perform a full review of all materials for conformance with the bid requirements.

R.M. Pacella is a MassDOT Prequalified Contractor. They provided a list of numerous project references. Based on the list Green selected multiple projects of similar cost and scope to the South Main Street Project and contacted the references included in R.M. Pacella's bid package. Presumably due to the holiday, we were only able to speak with one of the R.M. Pacella's references. Matt Faron from MassDOT was contacted and oversaw R.M. Pacella on several on-call roadway reconstruction and drainage improvements projects throughout District 3. He indicated that R.M. Pacella has very good quality workmanship, scheduling, working relationships and overall general performance. Please refer to the enclosed Standard Contractor Evaluation Form.

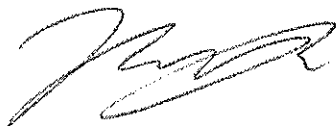
Conclusions and Recommendations:

Based on our review, we do not believe that acceptance of the unit bid prices for these items will result in a disadvantage to the Town. Also, Green believes that R.M. Pacella has the necessary equipment, personnel, experience and financial capability to successfully complete the work under this contract. Green, therefore, recommends that the Town of Natick enter into a Contract with R.M. Pacella of Plainville, Massachusetts for the base bid work in the amount of \$4,334,407.00 for the subject project. Green also recommends that the Town of Natick secure the necessary funding to include a 10% construction contingency (\$433,440) to account for potential unforeseen field conditions and change orders during construction.

Please feel free to contact this office if you have any questions regarding this matter.

Sincerely,

Green International Affiliates, Inc.



Michael Buraczynski
Engineer IV



Erik Atkins, P.E.
Transportation Design Group Leader

Cc: Bryan Le Blanc (via email)

MB/mjb

Standard Contractor Evaluation Form

☒ **Prime/General Contractor**

☐ **Subcontractor**

Section I- General Project Information

Reference Name: Matt Faron	Reference Telephone #: 508-929-3883
Reference Position/ Title: Maintenance Engineer	Date: 1/2/2020 Interviewer: Michael Buraczynski
Reference Agency/ Firm: MassDOT – District 3	
Name of Contractor Being Evaluated: R.M. Pacella	Total Contract Cost: \$5,480,309.13 With Change Orders: NA
Project: Schedule and Emergency Drainage Repairs and Improvements at Various Location in District 3 Title: Drainage and Roadway Improvements	Contract Start/ End Dates: Completed. Actual Completion Date: Completed.
Scope of Work: Drainage and Roadway Improvements	
Project Location (city and state): District 3	

☒ **Preliminary Evaluation**

☐ **Final Evaluation**

Section II- Evaluation Questionnaire

1. Quality of Workmanship

Rate the quality of this contractor's workmanship. Were there quality-related or workmanship problems on the contract? Was the contractor responsive to remedial work required? If so or if not, provide specific examples.

unacceptable ☐ poor ☐ satisfactory ☐ very good ☒ excellent ☐

comments:

2. Project Management

a) Scheduling

Rate this contractor's performance with regard to adhering to contract schedules. Did this contractor meet the contract schedule or the schedule as revised by approved change orders? If not, was the delay attributable to this contractor? If so, provide specific examples.

unacceptable ☐ poor ☐ satisfactory ☐ very good ☒ excellent ☐

comments:

b) **Subcontractor Management** Rate this contractor's ability, effort and success in managing and coordinating subcontractors (if no subcontractors, rate this

contractor's overall project management). Was this contractor able to effectively resolve problems? If not, provide specific examples.

unacceptable ☐ poor ☐ satisfactory ☐ very good ☒ excellent ☐

comments:

- c) **Safety and Housekeeping Procedures**-Rate this contractor's safety and housekeeping procedures on this project. Were there any OSHA violations or serious safety accidents? If so, provide specific examples.

unacceptable ☐ poor ☐ satisfactory ☐ very good ☒ excellent ☐

comments:

- d) **Change Orders**- Did this contractor unreasonably claim change orders or extras? Were this contractor's prices on change orders and extras reasonable? If not, provide specific examples.

unacceptable ☐ poor ☐ satisfactory ☐ very good ☒ excellent ☐

comments:

- e) **Working Relationships**- Rate this contractor's working relationships with other parties (i.e. Awarding Authority, designer, subcontractors, etc.). Did this contractor relate to other parties in a professional manner? If not, give specific examples.

unacceptable ☐ poor ☐ satisfactory ☐ very good ☒ excellent ☐

comments:

- f) **Paperwork Processing**- Rate this contractor's performance in completing and submitting required project paperwork (i.e. change orders, submittals, drawings, requisitions, payrolls, workforce reports, etc.). Did the contractor submit the required paperwork promptly and in proper form? If not, provide specific examples.

unacceptable ☐ poor ☐ satisfactory ☐ very good ☒ excellent ☐

comments:

3. On-Site Supervisory Personnel Rating 14

- a) **General Performance**- Rate the general performance of this contractor's on-site supervisory personnel. Did the superintendent(s) have the knowledge, management skills and experience to run a project of this size and scope? If not, provide specific examples.

unacceptable ☐ poor ☐ satisfactory ☐ very good ☒ excellent ☐

comments:

Section III- Additional Comments

Comments: NA



GREEN INTERNATIONAL AFFILIATES, INC.
Civil and Structural Engineers
239 Littleton Road, Suite 3
Westford, MA 01886

SHEET NO. 1
CALCULATED BY KG
CHECKED BY MB
DESCRIPTION South Main Street Bld Summary

OF 5
DATE December 19, 2019
DATE January 2, 2020

Summary

Item #	Item Description	Unit	Quantity	Engineer's Estimate		Pacella		JH Lynch		ETL	
				Unit Cost	Extended Cost	Unit Cost	Extended Cost	Unit Cost	Extended Cost	Unit Cost	Extended Cost
101.	CLEARING AND GRUBBING	A	0.25	\$28,500.00	\$ 7,125.00	\$ 60,000.00	\$ 15,000.00	\$ 42,300.00	\$ 10,575.00	\$ 120,000.00	\$ 30,000.00
102.1	TREE TRIMMING	FT	750	\$10.00	\$ 7,500.00	\$ 15.00	\$ 11,250.00	\$ 20.00	\$ 15,000.00	\$ 13.50	\$ 10,125.00
102.51	INDIVIDUAL TREE PROTECTION	EA	17	\$250.00	\$ 4,250.00	\$ 300.00	\$ 5,100.00	\$ 220.00	\$ 3,740.00	\$ 390.00	\$ 6,630.00
103.	TREE REMOVED - DIAMETER UNDER 24 INCHES	EA	2	\$1,050.00	\$ 2,100.00	\$ 3,300.00	\$ 6,600.00	\$ 2,625.00	\$ 5,250.00	\$ 2,400.00	\$ 4,800.00
104.	TREE REMOVED - DIAMETER 24 INCHES AND OVER	EA	3	\$2,100.00	\$ 6,300.00	\$ 4,000.00	\$ 12,000.00	\$ 4,200.00	\$ 12,600.00	\$ 4,500.00	\$ 13,500.00
105.	STUMP REMOVED	EA	4	\$400.00	\$ 1,600.00	\$ 150.00	\$ 600.00	\$ 1,050.00	\$ 4,200.00	\$ 560.00	\$ 2,240.00
106.	EARTH EXCAVATION	CY	8,550	\$27.00	\$ 230,850.00	\$ 20.00	\$ 171,000.00	\$ 37.50	\$ 320,625.00	\$ 34.00	\$ 290,700.00
120.	CLASS A ROCK EXCAVATION	CY	125	\$70.00	\$ 8,750.00	\$ 85.00	\$ 10,625.00	\$ 280.00	\$ 35,000.00	\$ 240.00	\$ 30,000.00
121.	TEST PIT FOR EXPLORATION	CY	75	\$90.00	\$ 6,750.00	\$ 125.00	\$ 9,375.00	\$ 170.00	\$ 12,750.00	\$ 135.00	\$ 10,125.00
141.1	CLASS B ROCK EXCAVATION	CY	200	\$145.00	\$ 29,000.00	\$ 150.00	\$ 30,000.00	\$ 330.00	\$ 66,000.00	\$ 300.00	\$ 60,000.00
144.	DRAINAGE STRUCTURE REMOVED	EA	50	\$450.00	\$ 22,500.00	\$ 400.00	\$ 20,000.00	\$ 650.00	\$ 32,500.00	\$ 530.00	\$ 26,500.00
146.	GRAVEL BORROW	CY	3,800	\$40.00	\$ 154,000.00	\$ 15.00	\$ 57,000.00	\$ 6.75	\$ 25,500.00	\$ 63.00	\$ 240,000.00
151.	CRUSHED STONE	TON	390	\$35.00	\$ 13,650.00	\$ 15.00	\$ 5,850.00	\$ 30.00	\$ 11,700.00	\$ 60.00	\$ 23,400.00
156.	FINE GRADING AND COMPACTING - SUBGRADE AREA	SY	10,400	\$4.00	\$ 41,600.00	\$ 12.00	\$ 124,800.00	\$ 9.30	\$ 96,720.00	\$ 7.00	\$ 72,800.00
170.	CATCH BASIN	EA	39	\$3,400.00	\$ 132,600.00	\$ 5,000.00	\$ 195,000.00	\$ 6,000.00	\$ 234,000.00	\$ 5,800.00	\$ 226,200.00
201.	DOUBLE GRATE CATCH BASIN	EA	5	\$4,000.00	\$ 20,000.00	\$ 5,500.00	\$ 27,500.00	\$ 6,800.00	\$ 34,000.00	\$ 5,500.00	\$ 27,500.00
201.7	MANHOLE	EA	22	\$3,850.00	\$ 84,700.00	\$ 7,100.00	\$ 156,200.00	\$ 5,650.00	\$ 124,300.00	\$ 5,500.00	\$ 121,000.00
202.	MANHOLE (5 FOOT DIAMETER)	EA	11	\$4,500.00	\$ 49,500.00	\$ 8,100.00	\$ 89,100.00	\$ 6,800.00	\$ 74,800.00	\$ 6,000.00	\$ 66,000.00
202.5	MANHOLE WITH DEEP SUMP	EA	10	\$3,400.00	\$ 34,000.00	\$ 6,100.00	\$ 61,000.00	\$ 6,000.00	\$ 60,000.00	\$ 5,500.00	\$ 55,000.00
202.8	GUTTER INLET	EA	8	\$2,000.00	\$ 16,000.00	\$ 2,500.00	\$ 20,000.00	\$ 3,200.00	\$ 25,600.00	\$ 1,800.00	\$ 14,400.00
204.	DOUBLE GRATE GUTTER INLET	EA	13	\$3,700.00	\$ 48,100.00	\$ 4,000.00	\$ 52,000.00	\$ 4,250.00	\$ 55,250.00	\$ 2,800.00	\$ 36,400.00
204.1	GUTTER INLET - SPECIAL	EA	13	\$2,500.00	\$ 32,500.00	\$ 2,500.00	\$ 32,500.00	\$ 3,325.00	\$ 43,225.00	\$ 7,000.00	\$ 91,000.00
204.11	DRAINAGE STRUCTURE ADJUSTED	EA	31	\$390.00	\$ 12,090.00	\$ 550.00	\$ 17,050.00	\$ 450.00	\$ 13,950.00	\$ 500.00	\$ 15,500.00
220.	DRAINAGE STRUCTURE CHANGE IN TYPE	EA	11	\$900.00	\$ 9,900.00	\$ 1,650.00	\$ 18,150.00	\$ 525.00	\$ 5,775.00	\$ 1,050.00	\$ 11,550.00
220.3	DRAINAGE STRUCTURE REMODELED	EA	8	\$510.00	\$ 4,080.00	\$ 950.00	\$ 7,600.00	\$ 450.00	\$ 3,600.00	\$ 500.00	\$ 4,000.00
220.5	SANITARY STRUCTURE ADJUSTED	EA	31	\$350.00	\$ 10,850.00	\$ 550.00	\$ 17,050.00	\$ 450.00	\$ 13,950.00	\$ 475.00	\$ 14,725.00
220.7	SANITARY STRUCTURE REMODELED	EA	4	\$770.00	\$ 3,080.00	\$ 650.00	\$ 2,600.00	\$ 450.00	\$ 1,800.00	\$ 500.00	\$ 2,000.00
220.8	CURB COVER AND FRAME	EA	3	\$2,000.00	\$ 6,000.00	\$ 4,500.00	\$ 13,500.00	\$ 5,250.00	\$ 15,750.00	\$ 6,300.00	\$ 18,900.00
221.2	FRAME AND GRATE (OR COVER) MUNICIPAL STANDARD	EA	132	\$800.00	\$ 106,400.00	\$ 1,150.00	\$ 151,800.00	\$ 875.00	\$ 115,500.00	\$ 950.00	\$ 125,400.00
222.3	4 INCH FRAME AND GRATE - HEAVY DUTY	EA	13	\$60.00	\$ 780.00	\$ 25.00	\$ 325.00	\$ 90.00	\$ 1,170.00	\$ 175.00	\$ 2,275.00
222.5	FRAME AND GRATE (OR COVER) REMOVED AND DISCARDED	EA	44	\$400.00	\$ 17,600.00	\$ 732.00	\$ 32,208.00	\$ 300.00	\$ 13,200.00	\$ 425.00	\$ 18,700.00
224.12	12 INCH HOOD	FT	770	\$120.00	\$ 92,400.00	\$ 135.00	\$ 103,950.00	\$ 175.00	\$ 134,750.00	\$ 175.00	\$ 134,750.00
238.12	12 INCH DUCTILE IRON PIPE	FT	50	\$140.00	\$ 7,000.00	\$ 245.00	\$ 12,250.00	\$ 200.00	\$ 10,000.00	\$ 225.00	\$ 11,250.00
238.16	16 INCH DUCTILE IRON PIPE	FT	20	\$160.00	\$ 3,200.00	\$ 285.00	\$ 5,700.00	\$ 230.00	\$ 4,600.00	\$ 260.00	\$ 5,200.00
238.24	24 INCH DUCTILE IRON PIPE	FT	1,075	\$70.00	\$ 75,250.00	\$ 90.00	\$ 96,750.00	\$ 160.00	\$ 172,000.00	\$ 120.00	\$ 129,000.00
241.12	18 INCH REINFORCED CONCRETE PIPE	FT	850	\$80.00	\$ 68,000.00	\$ 115.00	\$ 97,750.00	\$ 105.00	\$ 89,250.00	\$ 99.00	\$ 84,150.00



GREEN INTERNATIONAL AFFILIATES, INC.
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SHEET NO. 2
CALCULATED BY KG
CHECKED BY MB
DESCRIPTION South Main Street Bid Summary

OF 5
DATE December 19, 2019
DATE January 2, 2020

Summary

Item #	Item Description	Unit	Quantity	Engineer's Estimate		Pacella		J.H. Lynch		ETL	
				Unit Cost	Extended Cost	Unit Cost	Extended Cost	Unit Cost	Extended Cost	Unit Cost	Extended Cost
241.24	24 INCH REINFORCED CONCRETE PIPE	FT	150	\$115.00	\$ 17,250.00	\$ 165.00	\$ 24,750.00	\$ 128.00	\$ 19,200.00	\$ 155.00	\$ 23,250.00
241.3	30 INCH REINFORCED CONCRETE PIPE	FT	10	\$160.00	\$ 1,600.00	\$ 185.00	\$ 1,850.00	\$ 173.00	\$ 1,730.00	\$ 250.00	\$ 2,500.00
241.36	36 INCH REINFORCED CONCRETE PIPE	FT	15	\$150.00	\$ 2,250.00	\$ 225.00	\$ 3,375.00	\$ 153.00	\$ 2,295.00	\$ 255.00	\$ 3,825.00
243.12	12 INCH REINFORCED CONCRETE PIPE CLASS IV	FT	200	\$80.00	\$ 16,000.00	\$ 90.00	\$ 18,000.00	\$ 160.00	\$ 32,000.00	\$ 88.11	\$ 17,622.00
244.12	12 INCH REINFORCED CONCRETE PIPE CLASS V	FT	50	\$90.00	\$ 4,500.00	\$ 125.00	\$ 6,250.00	\$ 190.00	\$ 9,500.00	\$ 165.00	\$ 8,250.00
244.18	18 INCH REINFORCED CONCRETE PIPE CLASS V	FT	180	\$105.00	\$ 18,900.00	\$ 120.00	\$ 21,600.00	\$ 117.00	\$ 21,060.00	\$ 95.00	\$ 17,100.00
244.24	24 INCH REINFORCED CONCRETE PIPE CLASS V	FT	40	\$120.00	\$ 4,800.00	\$ 175.00	\$ 7,000.00	\$ 200.00	\$ 8,000.00	\$ 205.00	\$ 8,200.00
250.06	6 INCH POLYVINYL CHLORIDE SANITARY SEWER PIPE	FT	30	\$100.00	\$ 3,000.00	\$ 85.00	\$ 2,550.00	\$ 255.00	\$ 7,650.00	\$ 175.00	\$ 5,250.00
268.	6 INCH SUBDRAIN CLEANOUT	EA	2	\$480.00	\$ 960.00	\$ 650.00	\$ 1,300.00	\$ 625.00	\$ 1,250.00	\$ 1,200.00	\$ 2,400.00
269.06	6 INCH SLOT-PERFORATED CORRUGATED PLASTIC PIPE (SUBDRAIN)	FT	340	\$50.00	\$ 17,000.00	\$ 85.00	\$ 28,900.00	\$ 35.50	\$ 12,070.00	\$ 62.00	\$ 21,080.00
357.	GATE BOX	EA	9	\$380.00	\$ 3,420.00	\$ 550.00	\$ 4,950.00	\$ 475.00	\$ 4,275.00	\$ 330.00	\$ 2,970.00
358.	GATE BOX ADJUSTED	EA	42	\$170.00	\$ 7,140.00	\$ 350.00	\$ 14,700.00	\$ 320.00	\$ 13,440.00	\$ 155.00	\$ 6,510.00
361.01	SERVICE BOX (MUNICIPAL STANDARD)	EA	48	\$260.00	\$ 12,480.00	\$ 300.00	\$ 14,400.00	\$ 280.00	\$ 13,440.00	\$ 270.00	\$ 13,020.00
361.3	SERVICE BOX ADJUSTED	EA	48	\$175.00	\$ 8,400.00	\$ 95.00	\$ 4,560.00	\$ 155.00	\$ 7,440.00	\$ 155.00	\$ 7,440.00
403.	RECLAIMED PAVEMENT FOR BASE COURSE AND/OR SUB-BASE	SY	18,750	\$6.00	\$ 112,500.00	\$ 4.25	\$ 79,687.50	\$ 6.15	\$ 115,312.50	\$ 8.00	\$ 150,000.00
403.1	CRUSHED STONE FOR BLENDING	TON	325	\$20.00	\$ 6,500.00	\$ 13.00	\$ 4,225.00	\$ 10.00	\$ 3,250.00	\$ 31.00	\$ 10,075.00
415.	PAVEMENT MICROMILLING	SY	2,040	\$8.00	\$ 16,320.00	\$ 18.50	\$ 37,740.00	\$ 10.00	\$ 20,400.00	\$ 13.00	\$ 26,520.00
443.	WATER FOR ROADWAY DUST CONTROL	MGL	230	\$50.00	\$ 11,500.00	\$ 10.00	\$ 2,300.00	\$ 13.75	\$ 3,162.50	\$ 55.00	\$ 12,650.00
452.	ASPHALT EMULSION FOR TACK COAT	GAL	4,025	\$7.50	\$ 30,187.50	\$ 2.50	\$ 10,062.50	\$ 0.01	\$ 40.25	\$ 1.20	\$ 4,830.00
453.	HMA JOINT SEALANT	FT	1,150	\$0.90	\$ 1,035.00	\$ 5.50	\$ 6,325.00	\$ 0.25	\$ 287.50	\$ 1.30	\$ 1,495.00
460.	HOT MIX ASPHALT	TON	8,750	\$65.00	\$ 571,250.00	\$ 95.00	\$ 831,250.00	\$ 98.00	\$ 857,500.00	\$ 110.00	\$ 962,500.00
470.2	HOT MIX ASPHALT BERM, TYPE A - MODIFIED	FT	450	\$11.00	\$ 4,950.00	\$ 10.00	\$ 4,500.00	\$ 10.25	\$ 4,612.50	\$ 13.50	\$ 6,075.00
472.	ASPHALT MIXTURES FOR TEMPORARY WORK	TON	190	\$200.00	\$ 38,000.00	\$ 268.00	\$ 50,920.00	\$ 240.00	\$ 45,600.00	\$ 250.00	\$ 47,500.00
504.	GRANITE CURB TYPE VA4 - STRAIGHT	FT	270	\$45.00	\$ 12,150.00	\$ 35.00	\$ 9,450.00	\$ 51.50	\$ 13,905.00	\$ 46.00	\$ 12,420.00
504.1	GRANITE CURB TYPE VA4 - CURVED	FT	450	\$50.00	\$ 22,500.00	\$ 45.00	\$ 20,250.00	\$ 61.50	\$ 27,675.00	\$ 58.00	\$ 26,100.00
506.	GRANITE CURB TYPE VB - STRAIGHT	FT	300	\$40.00	\$ 12,000.00	\$ 35.00	\$ 10,500.00	\$ 48.00	\$ 14,400.00	\$ 41.00	\$ 12,300.00
506.1	GRANITE CURB TYPE VB - CURVED	FT	80	\$45.00	\$ 3,600.00	\$ 45.00	\$ 3,600.00	\$ 58.00	\$ 4,640.00	\$ 66.00	\$ 5,280.00
509.	GRANITE TRANSITION CURB FOR WHEELCHAIR RAMPS - STRAIGHT	FT	1,300	\$47.00	\$ 61,100.00	\$ 35.00	\$ 45,500.00	\$ 58.00	\$ 75,400.00	\$ 52.00	\$ 67,600.00
509.1	GRANITE TRANSITION CURB FOR WHEELCHAIR RAMPS - CURVED	FT	180	\$54.00	\$ 9,720.00	\$ 40.00	\$ 7,200.00	\$ 68.00	\$ 12,240.00	\$ 75.00	\$ 13,500.00
510.	GRANITE EDGING TYPE SA	FT	90	\$35.00	\$ 3,150.00	\$ 35.00	\$ 3,150.00	\$ 43.00	\$ 3,870.00	\$ 37.00	\$ 3,330.00
510.1	GRANITE EDGING TYPE SA (RADIUS 10 FEET OR LESS)	FT	18	\$45.00	\$ 810.00	\$ 40.00	\$ 720.00	\$ 63.00	\$ 1,134.00	\$ 35.00	\$ 630.00
514.	GRANITE CURB INLET - STRAIGHT	EA	9	\$380.00	\$ 3,420.00	\$ 455.00	\$ 4,095.00	\$ 475.00	\$ 4,275.00	\$ 480.00	\$ 4,320.00
514.1	GRANITE CURB INLET DOUBLE WIDE - STRAIGHT	EA	5	\$450.00	\$ 2,250.00	\$ 565.00	\$ 2,825.00	\$ 625.00	\$ 3,125.00	\$ 600.00	\$ 3,000.00
580.	CURB REMOVED AND RESET	FT	7,020	\$20.00	\$ 140,400.00	\$ 25.00	\$ 175,500.00	\$ 30.25	\$ 212,355.00	\$ 32.00	\$ 224,640.00
581.	CURB INLET REMOVED AND RESET	EA	28	\$140.00	\$ 3,920.00	\$ 85.00	\$ 2,380.00	\$ 170.00	\$ 4,760.00	\$ 275.00	\$ 7,700.00
582.	CURB CORNER REMOVED AND DISCARDED	EA	1	\$150.00	\$ 150.00	\$ 105.00	\$ 105.00	\$ 115.00	\$ 115.00	\$ 240.00	\$ 240.00
594.	CURB REMOVED AND DISCARDED	FT	2,450	\$6.00	\$ 14,700.00	\$ 4.50	\$ 11,025.00	\$ 8.25	\$ 20,212.50	\$ 9.25	\$ 22,662.50



GREEN INTERNATIONAL AFFILIATES, INC.
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SHEET NO. 3 OF 5
CALCULATED BY KG DATE December 19, 2019
CHECKED BY MB DATE January 2, 2020
DESCRIPTION South Main Street Bid Summary

Summary

Item #	Item Description	Unit	Quantity	Engineer's Estimate		Pacella		JH Lynch		ETL	
				Unit Cost	Extended Cost	Unit Cost	Extended Cost	Unit Cost	Extended Cost	Unit Cost	Extended Cost
620.13	GUARDRAIL - TL-3 (SINGLE FACED)	FT	475	\$33.00	\$ 15,675.00	\$ 33.00	\$ 15,675.00	\$ 33.25	\$ 15,793.75	\$ 37.00	\$ 17,575.00
620.33	GUARDRAIL - CURVED, TL-3 (SINGLE FACED)	FT	63	\$40.00	\$ 2,520.00	\$ 35.00	\$ 2,205.00	\$ 35.25	\$ 2,220.75	\$ 40.00	\$ 2,520.00
621.1	TRAILING ANCHORAGE	EA	1	\$1,800.00	\$ 1,800.00	\$ 1,800.00	\$ 1,800.00	\$ 1,950.00	\$ 1,950.00	\$ 2,050.00	\$ 2,050.00
622.93	GUARDRAIL FLARED END TREATMENT, TL-3	EA	1	\$4,000.00	\$ 4,000.00	\$ 4,000.00	\$ 4,000.00	\$ 4,900.00	\$ 4,900.00	\$ 6,400.00	\$ 6,400.00
628.21	TRANSITION TO NCHRP 350 GUARDRAIL	EA	6	\$3,000.00	\$ 18,000.00	\$ 1,750.00	\$ 10,500.00	\$ 1,775.00	\$ 10,650.00	\$ 2,000.00	\$ 12,000.00
630.	HIGHWAY GUARD REMOVED AND RESET	FT	1,800	\$16.00	\$ 28,800.00	\$ 18.00	\$ 32,400.00	\$ 20.00	\$ 36,000.00	\$ 20.00	\$ 36,000.00
630.2	HIGHWAY GUARD REMOVED AND DISCARDED	FT	400	\$5.00	\$ 2,000.00	\$ 15.00	\$ 6,000.00	\$ 8.25	\$ 3,300.00	\$ 7.30	\$ 2,920.00
634.	W BEAM GUARD PANEL	EA	10	\$250.00	\$ 2,500.00	\$ 300.00	\$ 3,000.00	\$ 230.00	\$ 2,300.00	\$ 278.00	\$ 2,780.00
669.	FENCE REMOVED AND STACKED	FT	25	\$10.00	\$ 250.00	\$ 15.00	\$ 375.00	\$ 10.00	\$ 250.00	\$ 12.00	\$ 300.00
670.	FENCE REMOVED AND RESET	FT	570	\$40.00	\$ 22,800.00	\$ 30.00	\$ 17,100.00	\$ 22.00	\$ 12,540.00	\$ 26.00	\$ 14,820.00
685.	STONE MASONRY WALL IN CEMENT MORTAR	CY	80	\$700.00	\$ 56,000.00	\$ 985.00	\$ 78,800.00	\$ 1,100.00	\$ 88,000.00	\$ 1,550.00	\$ 124,000.00
697.11	INLET SEDIMENT FILTER BAG	EA	120	\$125.00	\$ 15,000.00	\$ 25.00	\$ 3,000.00	\$ 90.00	\$ 10,800.00	\$ 200.00	\$ 24,000.00
698.4	GEOTEXTILE FABRIC FOR PERMANENT EROSION CONTROL	SY	2,400	\$5.00	\$ 12,000.00	\$ 5.00	\$ 12,000.00	\$ 5.50	\$ 13,200.00	\$ 5.00	\$ 12,000.00
701.	CEMENT CONCRETE SIDEWALK	SY	100	\$60.00	\$ 6,000.00	\$ 100.00	\$ 10,000.00	\$ 140.00	\$ 14,000.00	\$ 58.00	\$ 5,800.00
701.2	CEMENT CONCRETE WHEELCHAIR RAMP	SY	320	\$80.00	\$ 25,600.00	\$ 100.00	\$ 32,000.00	\$ 100.00	\$ 32,000.00	\$ 94.00	\$ 30,080.00
702.	HOT MIX ASPHALT WALK SURFACE	TON	550	\$175.00	\$ 96,250.00	\$ 200.00	\$ 110,000.00	\$ 250.00	\$ 137,500.00	\$ 200.00	\$ 110,000.00
703.	HOT MIX ASPHALT DRIVEWAY	TON	375	\$30.00	\$ 11,250.00	\$ 33.00	\$ 12,375.00	\$ 35.75	\$ 13,387.50	\$ 39.00	\$ 14,775.00
703.9	IMPRINTED CROSSWALK	SY	10	\$18.00	\$ 180.00	\$ 40.00	\$ 400.00	\$ 90.00	\$ 900.00	\$ 40.00	\$ 400.00
704.2	GRAVEL FOR DRIVEWAYS	SY	1	\$120.00	\$ 120.00	\$ 300.00	\$ 300.00	\$ 800.00	\$ 800.00	\$ 790.00	\$ 790.00
705.1	FLAGSTONE WALK REMOVED AND RESET	SY	10	\$180.00	\$ 1,800.00	\$ 300.00	\$ 3,000.00	\$ 385.00	\$ 3,850.00	\$ 710.00	\$ 7,100.00
706.1	BRICK WALK REMOVED AND RELAID	EA	3	\$525.00	\$ 1,575.00	\$ 750.00	\$ 2,250.00	\$ 560.00	\$ 1,680.00	\$ 910.00	\$ 2,730.00
710.4	BOUND - PLAIN GRANITE	EA	11	\$450.00	\$ 4,950.00	\$ 550.00	\$ 6,050.00	\$ 525.00	\$ 5,775.00	\$ 600.00	\$ 6,600.00
711.	BOUND REMOVED AND RESET	EA	21	\$150.00	\$ 3,150.00	\$ 250.00	\$ 5,250.00	\$ 175.00	\$ 3,675.00	\$ 270.00	\$ 5,670.00
715.	RURAL MAIL BOX REMOVED AND RESET	CY	525	\$50.00	\$ 26,250.00	\$ 42.00	\$ 22,050.00	\$ 62.00	\$ 32,550.00	\$ 85.00	\$ 44,625.00
751.	LOAM BORROW	LS	1	\$5,000.00	\$ 5,000.00	\$ 9,300.00	\$ 9,300.00	\$ 15,000.00	\$ 15,000.00	\$ 8,000.00	\$ 8,000.00
756.	NPDES STORMWATER POLLUTION PREVENTION PLAN	SY	4,700	\$1.10	\$ 5,170.00	\$ 1.00	\$ 4,700.00	\$ 3.00	\$ 14,100.00	\$ 1.00	\$ 4,700.00
765.	SEEDING	LF	27	\$90.00	\$ 2,430.00	\$ 16.50	\$ 445.50	\$ 10.00	\$ 270.00	\$ 20.00	\$ 540.00
767.122	FILTER TUBE	SY	4,700	\$1.15	\$ 5,405.00	\$ 0.25	\$ 1,175.00	\$ 0.10	\$ 470.00	\$ 0.95	\$ 4,465.00
767.2	HAY MULCH	CY	15	\$80.00	\$ 1,200.00	\$ 85.00	\$ 1,275.00	\$ 80.00	\$ 1,200.00	\$ 98.00	\$ 1,470.00
767.6	AGED PINE BARK MULCH	FT	2,250	\$9.00	\$ 20,250.00	\$ 6.50	\$ 14,625.00	\$ 9.00	\$ 20,250.00	\$ 13.00	\$ 29,250.00
769.	PAVEMENT MILLING MULCH UNDER GUARD RAIL	FT	210	\$40.00	\$ 8,400.00	\$ 65.00	\$ 13,650.00	\$ 38.00	\$ 7,980.00	\$ 50.00	\$ 10,500.00
804.3	3 INCH ELECTRICAL CONDUIT TYPE NM - PLASTIC - (UL)	EA	6	\$805.00	\$ 4,830.00	\$ 850.00	\$ 5,100.00	\$ 815.00	\$ 4,890.00	\$ 625.00	\$ 3,750.00
811.31	PULL BOX 12 X 12 INCHES - SD2.031	EA	2	\$10,000.00	\$ 20,000.00	\$ 15,500.00	\$ 31,000.00	\$ 12,000.00	\$ 24,000.00	\$ 11,000.00	\$ 22,000.00
815.11	FLASHING BEACON SCHOOL ZONE SIGN (SOLAR)	EA	4	\$4,500.00	\$ 18,000.00	\$ 14,000.00	\$ 56,000.00	\$ 12,000.00	\$ 48,000.00	\$ 11,000.00	\$ 44,000.00
815.13	LED ILLUMINATED SIGN AND POST (SOLAR)	EA	3	\$18,000.00	\$ 54,000.00	\$ 28,500.00	\$ 85,500.00	\$ 17,800.00	\$ 53,400.00	\$ 28,000.00	\$ 84,000.00
815.15	RECTANGULAR RAPID FLASHING BEACON SYSTEM (AC)	EA	274	\$11.00	\$ 3,014.00	\$ 12.25	\$ 3,356.50	\$ 12.00	\$ 3,288.00	\$ 14.50	\$ 3,973.00
832.	WARNING-REGULATORY AND ROUTE MARKER - ALUMINUM PANEL (TYPE A)	SF	105	\$6.00	\$ 630.00	\$ 6.00	\$ 630.00	\$ 6.00	\$ 630.00	\$ 8.00	\$ 840.00
833.5	DEMOUNTABLE REFLECTORIZED DELINEATOR - GUARD RAIL	EA	105	\$6.00	\$ 630.00	\$ 6.00	\$ 630.00	\$ 6.00	\$ 630.00	\$ 8.00	\$ 840.00



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OF DATE
December 19, 2019
5
January 2, 2020

Summary

Item #	Item Description	Unit	Quantity	Engineer's Estimate		Pacella		JH Lynch		ETL	
				Unit Cost	Extended Cost	Unit Cost	Extended Cost	Unit Cost	Extended Cost	Unit Cost	Extended Cost
833.7	DELINEATION FOR GUARD RAIL TERMINI	EA	6	\$36.00	\$ 216.00	\$ 40.00	\$ 240.00	\$ 27.00	\$ 162.00	\$ 32.00	\$ 192.00
847.1	SIGN SUP (N/GUIDE) RTE MKR W/1 BRKWAY POST ASSEMBLY - STEEL	EA	48	\$115.00	\$ 5,520.00	\$ 135.00	\$ 6,480.00	\$ 135.00	\$ 6,480.00	\$ 165.00	\$ 7,920.00
847.2	SIGN SUP (N/GUIDE) RTE MKR W/1 BRKWAY POST ASSEMBLY - STEEL	EA	48	\$115.00	\$ 5,520.00	\$ 135.00	\$ 6,480.00	\$ 135.00	\$ 6,480.00	\$ 165.00	\$ 7,920.00
851.2	TRAFFIC CONTROLS FOR CONSTRUCTION	LS	1	\$70,000.00	\$ 70,000.00	\$ 185,000.00	\$ 185,000.00	\$ 256,750.00	\$ 256,750.00	\$ 120,000.00	\$ 120,000.00
854.014	TEMPORARY PAVING MARKINGS - 4 INCH (PAINT)	FT	50,000	\$0.20	\$ 10,000.00	\$ 0.25	\$ 12,500.00	\$ 0.25	\$ 12,500.00	\$ 0.21	\$ 10,500.00
854.018	TEMPORARY PAVING MARKINGS - 8 INCH (PAINT)	FT	912	\$0.22	\$ 200.64	\$ 1.00	\$ 912.00	\$ 0.85	\$ 775.20	\$ 1.00	\$ 912.00
854.112	TEMPORARY PAVING MARKINGS - 12 INCH (PAINT)	FT	7,000	\$1.00	\$ 7,000.00	\$ 1.50	\$ 10,500.00	\$ 1.30	\$ 9,100.00	\$ 0.98	\$ 6,860.00
860.104	4 INCH REFLECTORIZED WHITE LINE (PAINTED)	FT	12,500	\$1.10	\$ 13,750.00	\$ 0.30	\$ 3,750.00	\$ 0.60	\$ 7,500.00	\$ 0.21	\$ 2,625.00
860.108	6 INCH REFLECTORIZED WHITE LINE (PAINTED)	FT	75	\$2.10	\$ 157.50	\$ 1.00	\$ 75.00	\$ 0.85	\$ 63.75	\$ 0.60	\$ 45.00
860.112	12 INCH REFLECTORIZED WHITE LINE (PAINTED)	FT	3,150	\$2.00	\$ 6,300.00	\$ 1.50	\$ 4,725.00	\$ 1.35	\$ 4,252.50	\$ 0.92	\$ 2,898.00
861.104	4 INCH REFLECTORIZED YELLOW LINE (PAINTED)	FT	12,150	\$1.10	\$ 13,365.00	\$ 0.30	\$ 3,645.00	\$ 0.60	\$ 7,290.00	\$ 0.21	\$ 2,551.50
861.108	6 INCH REFLECTORIZED YELLOW LINE (PAINTED)	FT	330	\$1.50	\$ 495.00	\$ 1.00	\$ 330.00	\$ 0.85	\$ 280.50	\$ 0.60	\$ 198.00
864.12	PAVEMENT ARROW REFLECTORIZED WHITE (PAINTED)	SF	35	\$3.00	\$ 105.00	\$ 6.00	\$ 210.00	\$ 2.25	\$ 78.75	\$ 6.00	\$ 210.00
874.2	GREEN ROADWAY SHOULDER PAVEMENT MARKING	EA	18	\$6.84	\$ 123.12	\$ 15.00	\$ 270.00	\$ 11.00	\$ 198.00	\$ 9.50	\$ 171.00
874.4	STREET NAME SIGN	EA	1	\$100.00	\$ 100.00	\$ 85.00	\$ 85.00	\$ 100.00	\$ 100.00	\$ 125.00	\$ 125.00
877.2	TRAFFIC SIGN REMOVED AND RESET	EA	78	\$25.00	\$ 1,950.00	\$ 30.00	\$ 2,340.00	\$ 30.00	\$ 2,340.00	\$ 30.00	\$ 2,340.00
999.001	TRAFFIC SIGN REMOVED AND STACKED	EA	41	\$27.50	\$ 1,127.50	\$ 30.00	\$ 1,230.00	\$ 30.00	\$ 1,230.00	\$ 30.00	\$ 1,230.00
	SIGN POST REMOVED AND STACKED	HR	3,940	\$55.00	\$ 217,000.00	\$ 55.00	\$ 217,000.00	\$ 55.00	\$ 217,000.00	\$ 55.00	\$ 217,000.00
Total Bid:				\$ 4,032,156.85	\$ 4,032,156.85	\$ 4,334,407.00	\$ 4,334,407.00	\$ 4,792,015.70	\$ 4,792,015.70	\$ 4,943,594.00	\$ 4,943,594.00
Difference from Estimate				\$ 302,250.15	\$ 302,250.15	\$ 759,858.85	\$ 759,858.85	\$ 759,858.85	\$ 759,858.85	\$ 911,437.15	\$ 911,437.15

Total Bid:

Add Alternate 1:											
101.	CLEARING AND GRUBBING	A	0.13	\$28,500.00	\$ 3,705.00	\$ 60,000.00	\$ 7,800.00	\$ 42,300.00	\$ 5,499.00	\$ 105,000.00	\$ 13,550.00
102.1	TREE TRIMMING	FT	105	\$10.00	\$ 1,050.00	\$ 15.00	\$ 1,575.00	\$ 20.00	\$ 2,100.00	\$ 11.00	\$ 1,155.00
105.	STUMP REMOVED	EA	29	\$400.00	\$ 11,600.00	\$ 150.00	\$ 4,350.00	\$ 1,050.00	\$ 30,450.00	\$ 475.00	\$ 13,775.00
120.	EARTH EXCAVATION	CY	1,050	\$27.00	\$ 28,350.00	\$ 20.00	\$ 21,000.00	\$ 37.50	\$ 39,375.00	\$ 29.00	\$ 30,450.00
121.	CLASS A ROCK EXCAVATION	CY	40	\$70.00	\$ 2,800.00	\$ 85.00	\$ 3,400.00	\$ 280.00	\$ 11,200.00	\$ 200.00	\$ 8,000.00
144.	CLASS B ROCK EXCAVATION	CY	25	\$145.00	\$ 3,625.00	\$ 150.00	\$ 3,750.00	\$ 330.00	\$ 8,250.00	\$ 280.00	\$ 7,000.00
151.	GRAVEL BORROW	CY	432	\$40.00	\$ 17,280.00	\$ 15.00	\$ 6,480.00	\$ 6.75	\$ 2,916.00	\$ 62.00	\$ 26,784.00
170.	FINE GRADING AND COMPACTING - SUBGRADE AREA	SY	1,300	\$4.00	\$ 5,200.00	\$ 12.00	\$ 15,600.00	\$ 9.30	\$ 12,090.00	\$ 7.00	\$ 9,100.00
509.	GRANITE TRANSITION CURB FOR WHEELCHAIR RAMPS - STRAIGHT	FT	270	\$4.00	\$ 1,080.00	\$ 35.00	\$ 9,450.00	\$ 58.00	\$ 15,660.00	\$ 47.00	\$ 12,690.00
509.1	GRANITE TRANSITION CURB FOR WHEELCHAIR RAMPS - CURVED	FT	90	\$54.00	\$ 4,860.00	\$ 40.00	\$ 3,600.00	\$ 68.00	\$ 6,120.00	\$ 68.00	\$ 6,120.00
685.	GRANITE TRANSITION CURB FOR PERMANENT EROSION CONTROL	CY	155	\$700.00	\$ 108,500.00	\$ 750.00	\$ 116,250.00	\$ 1,100.00	\$ 170,500.00	\$ 980.00	\$ 151,900.00
898.4	GEOTEXTILE FABRIC FOR PERMANENT EROSION CONTROL	SY	2,850	\$5.00	\$ 14,250.00	\$ 5.00	\$ 14,250.00	\$ 5.50	\$ 15,675.00	\$ 4.50	\$ 12,825.00
701.2	CEMENT CONCRETE WHEELCHAIR RAMP	TON	180	\$90.00	\$ 16,200.00	\$ 100.00	\$ 18,000.00	\$ 100.00	\$ 18,000.00	\$ 65.00	\$ 11,700.00
702.	HOT MIX ASPHALT DRIVEWAY	TON	42	\$175.00	\$ 7,350.00	\$ 200.00	\$ 8,400.00	\$ 250.00	\$ 10,500.00	\$ 177.00	\$ 7,434.00
703.	IMPRINTED CROSSWALK	SF	295	\$30.00	\$ 8,850.00	\$ 33.00	\$ 9,735.00	\$ 35.75	\$ 10,546.25	\$ 34.00	\$ 10,030.00



GREEN INTERNATIONAL AFFILIATES, INC.
Civil and Structural Engineers
239 Littleton Road, Suite 3
Westford, MA 01886

SHEET NO. 5
CALCULATED BY KG
CHECKED BY MB
DESCRIPTION South Main Street Bid Summary

OF 5
DATE December 19, 2019
DATE January 2, 2020

Summary

Item #	Item Description	Unit	Quantity	Engineer's Estimate		Pacella		JH Lynch		ETL	
				Unit Cost	Extended Cost	Unit Cost	Extended Cost	Unit Cost	Extended Cost	Unit Cost	Extended Cost
751.	LOAM BORROW	CY	214	\$50.00	\$ 10,700.00	\$ 42.00	\$ 9,088.00	\$ 62.00	\$ 13,268.00	\$ 70.00	\$ 14,980.00
765.	SEEDING	SY	1,050	\$1.10	\$ 1,155.00	\$ 1.00	\$ 1,050.00	\$ 3.00	\$ 3,150.00	\$ 1.05	\$ 1,102.50
767.2	HAY MULCH	SY	1,050	\$1.15	\$ 1,207.50	\$ 0.25	\$ 262.50	\$ 0.10	\$ 105.00	\$ 0.82	\$ 861.00
815.14	RECTANGULAR RAPID FLASHING BEACON SYSTEM (SOLAR)	EA	2	\$10,000.00	\$ 20,000.00	\$ 20,000.00	\$ 40,000.00	\$ 22,400.00	\$ 44,800.00	\$ 23,000.00	\$ 46,000.00
832.	WARNING-REGULATORY AND ROUTE MARKER - ALUMINUM PANEL (TYPE A)	SF	9	\$11.00	\$ 99.00	\$ 12.25	\$ 110.25	\$ 12.00	\$ 108.00	\$ 12.50	\$ 112.50
847.1	SIGN SUP (N/GUIDE)+RTE MKR W/1 BRKWAY POST ASSEMBLY - STEEL	EA	1	\$115.00	\$ 115.00	\$ 135.00	\$ 135.00	\$ 135.00	\$ 135.00	\$ 140.00	\$ 140.00
860.112	12 INCH REFLECTORIZED WHITE LINE (PAINTED)	FT	1,116	\$2.00	\$ 2,232.00	\$ 1.50	\$ 1,674.00	\$ 1.35	\$ 1,506.60	\$ 1.00	\$ 1,116.00
Total Add. Alternate No. 1 Bid:				\$ 307,318.50	\$ 327,059.75	\$ 460,953.85		\$ 414,537.00		\$ 107,218.50	
Difference from Base Bid Estimate				\$ 19,741.25	\$ 153,635.35	\$ 5,252,969.55		\$ 5,358,131.00			
Total Bid Inclusive of Add Alternate No. 1:				\$ 4,339,475.35	\$ 4,661,466.75						

SECTION 00500CONTRACT AGREEMENT

THIS AGREEMENT, hereinafter "Agreement" or "Contract," made this twentieth day of in the year 20 20, by and between the Town of Natick, Massachusetts located at the Natick Town Hall 13 East Central Street, Natick, MA 01760 (hereinafter called OWNER), by its Board of Selectmen, and

R.M. Pacella, INC., 3 Madelon St. Plymouth, MA 02762 doing business as a (Corporation, Partnership or Individual) hereinafter called "CONTRACTOR."

WITNESSETH: That for and in consideration of the payments and agreements hereinafter mentioned, OWNER and CONTRACTOR hereby agree as follows:

ARTICLE 1. WORK

1.1. CONTRACTOR shall commence the Work as specified or indicated in the Contract Documents as defined in Article 8 herein.

1.2. The scope of work includes, but is not limited to, full depth pavement reclamation, pavement milling and resurfacing, box widening, installation of granite curb, installation of new HMA berm, construction of hot mix asphalt sidewalks and cement concrete wheelchair ramps with detectable warning panels, driveway construction, construction of drainage improvements, grading, implementation of erosion prevention and sediment control, construction of retaining walls, landscaping, installation of signs, placement of pavement markings, furnishing and installing rectangular rapid flashing beacons, furnishing and installing a LED stop signs and the implementation of safety controls and signing for construction operations and other incidental items included in the contract documents.

1.3. CONTRACTOR shall furnish all materials, supplies, tools, equipment, labor, and other services necessary for the construction and completion of the Project described herein.

ARTICLE 2. ENGINEER

2.1. The Project has been designed by Green International Affiliates, Inc., who is herein called ENGINEER, and who shall act as OWNER'S representative, who shall assume all duties and responsibilities, and who shall have the rights and authority assigned to ENGINEER in the Contract Documents in connection with completion of the Work in accordance with the Contract Documents.

ARTICLE 3. CONTRACT TIME

3.1. CONTRACTOR shall commence work when authorization by the OWNER or ENGINEER with the provisions of the Notice to Proceed and Contract Documents is received. The work shall be completed on or before the following milestone dates:

- 1) On or before **four hundred ninety-five (495) consecutive calendar days** after the start date to be indicated on the Notice to Proceed
 - a. Completion and acceptance of all work for the project.

Therefore the date all work shall be completed is on or before _____, 20 20 *(to be completed by Eng. upon issuance of a Notice to Proceed)*

3.2. Liquidated Damages. OWNER and CONTRACTOR recognize that time is of the essence of this Agreement. They also recognize the delays, expense and difficulties involved in proving in a legal proceeding the actual loss suffered by OWNER if the Work is not completed on time. Accordingly, instead of requiring any such proof, OWNER and CONTRACTOR agree that as liquidated damages for delay (but not as a penalty) CONTRACTOR shall pay OWNER **one thousand eight hundred (\$1,800.00)** for each day that expires after each time limit specified in paragraph 3.1 of this section for completion and readiness for final payment.

ARTICLE 4. CONTRACT PRICE

4.1. In consideration for performance of the work as required by the Contract Documents, the OWNER shall pay CONTRACTOR for completion of the Work in accordance with the Contractor's Bid, as incorporated into the Contract Documents and as permitted by law.

ARTICLE 5. PAYMENT PROCEDURES

5.1. CONTRACTOR shall submit Applications for Payment in accordance with Article 14 of the General Conditions, as modified, if applicable, by the Supplementary Conditions. Applications for Payment will be processed by ENGINEER as provided in the General Conditions.

5.2. Progress Payments. OWNER shall make progress payments on account of the Contract Price on the basis of CONTRACTOR'S Applications for Payment as recommended by ENGINEER in accordance with MGL Chapter 30 Section 39G and as provided in Article 14 of the General Conditions, as modified, if applicable, by the Supplementary Conditions. Retainage with respect to any progress payments will be five percent (5%) or, if stipulated, the maximum allowed by Massachusetts General Laws. ENGINEER shall establish with the CONTRACTOR an acceptable format for submittal and for the processing of progress payments, prior to the first such request as will be submitted by the CONTRACTOR.

5.3. Final Payment. Upon final completion and acceptance of the Work in accordance with paragraph 14.13 of the General Conditions, as modified, if applicable, by the Supplementary Conditions, OWNER shall pay the remainder of the Contract Price as recommended by ENGINEER as provided in said paragraph 14.13.

ARTICLE 6. TERMS

6.1. Terms used in this Agreement, which are defined in Article 1 of the General Conditions, as modified, if applicable, by the Supplementary Conditions, will have the meanings indicated in the General Conditions, as modified, if applicable, by the Supplementary Conditions.

ARTICLE 7. CONTRACTOR'S REPRESENTATIONS

In order to induce OWNER to enter into this Agreement CONTRACTOR makes the following representations:

7.1. CONTRACTOR has familiarized itself with the nature and extent of the Contract Documents, work, site, locality, and all local conditions and Laws and Regulations that in any manner may affect cost, progress, performance or furnishing of the Work.

7.2. CONTRACTOR has studied carefully all reports of explorations and tests of subsurface conditions and drawings of physical conditions which are identified in the Supplementary Conditions as provided in paragraph 4.2 of the General Conditions, and accepts the determination set forth in paragraph SC-4.2 of the Supplementary Conditions of the extent of the technical data contained in such reports and drawings upon which CONTRACTOR is entitled to rely.

7.3. CONTRACTOR has obtained and carefully studied (or assumes responsibility for obtaining and carefully studying) all such examinations, investigations, explorations, tests, reports and studies (in addition to or to supplement those referred to in paragraph 7.2 above) which pertain to the subsurface or physical conditions at or contiguous to the site or otherwise may affect the cost, progress, performance or furnishing of the Work as CONTRACTOR considers necessary for the performance or furnishing of the Work at the Contract Price, within the Contract Time and in accordance with the other terms and conditions of the Contract Documents, including specifically the provisions of paragraph 4.2 of the General Conditions, as modified, if applicable, by the Supplementary Conditions; and no additional examinations, investigations, explorations, tests, reports, studies or similar information or data are or will be required by CONTRACTOR for such purposes.

7.4. CONTRACTOR has reviewed and checked all information and data shown or indicated on the Contract Documents with respect to existing Underground Facilities at or contiguous to the site and assumes responsibility for the accurate location of said Underground Facilities. No additional examinations, investigations, explorations, tests, reports, studies or similar information or data in respect of said Underground Facilities are or will be required by CONTRACTOR in order to perform and furnish the Work at the Contract Price, within the Contract Time and in accordance with the other terms and conditions of the Contract Documents, including specifically the provisions of paragraph 4.3 of the General Conditions, as modified, if applicable, by the Supplementary Conditions.

7.5. CONTRACTOR has correlated the results of all such observations, examinations, investigations, explorations, tests, reports and studies with the terms and conditions of the Contract Documents.

7.6. CONTRACTOR has given ENGINEER written notice of all conflicts, errors or discrepancies that he has discovered in the Contract Documents and the written resolution thereof by ENGINEER is acceptable to CONTRACTOR.

ARTICLE 8. CONTRACT DOCUMENTS

The Contract Documents which comprise the entire agreement between OWNER and CONTRACTOR concerning the Work consist of the following:

- 8.1 Invitation for Bids
- 8.2 Instructions to Bidders
- 8.3 Contractor's Bid
- 8.4 This Agreement ("Agreement")
- 8.5 Exhibits to this Agreement
- 8.6 General Conditions
- 8.7 Supplementary Conditions
- 8.8 Contractor's Performance and Payment Bonds, and insurance certificates
- 8.9 Notice of Award
- 8.10 Notice to Proceed
- 8.11 Specifications consisting, as listed in table of contents
- 8.12 Construction Drawings totaling 176 Sheets and dated 11/27/2019
- 8.13 Addenda numbers 1 to 2, inclusive.
- 8.14 Change Order

There are no Contract Documents other than those listed above in this Article 8. The Contract Documents may only be amended, modified or supplemented as provided in paragraphs 3.4 and 3.5 of the General Conditions.

ARTICLE 9. INDEMNIFICATION

To the fullest extent permitted by law, the CONTRACTOR shall indemnify, defend, and hold harmless the Town of Natick and all of its officers, employees, boards, commissions, committees, agents and representatives and the ENGINEER from and against all claims, causes of action, suits, costs, damages, and liability of any kind which arise out of the breach by the CONTRACTOR of its obligations under this Contract, or the act or omission of the CONTRACTOR, its Subcontractors, or their officers, employees, agents and representatives or anyone directly or indirectly employed by them, or anyone for whose acts or omissions they may be liable, regarding the work to be performed by the CONTRACTOR under the Contract, or which arise out of the violation of any Federal, Massachusetts or Town of Natick statute, by-law, rule, regulation, order or directive, or which relate to personal injury or property damage suffered by the CONTRACTOR or any of its officers or employees regarding the subject matter of the Contract.

ARTICLE 10: INSURANCE

10.1. The CONTRACTOR shall provide insurance that satisfies the categories and amounts specified in Article 5 of the General Conditions, as modified by Article 5 of the Supplementary Conditions.

10.2. Each certificate and policy of insurance required by this Agreement shall contain a cancellation provision as indicated below with no variations.

“Should any of the above described policies be canceled or materially amended before the expiration date thereof, the issuing insurer will mail within thirty (30) days written notice to the certificate holder named to the left”.

10.3. The Town of Natick and ENGINEER shall be named as an additional insured on each policy of insurance required by this agreement other than worker's compensation.

ARTICLE 11: MISCELLANEOUS PROVISIONS

11.1. No assignment by CONTRACTOR of any rights under or interests in the Contract Documents will be binding on OWNER without the written consent of OWNER; and specifically but without limitation moneys that may become due and moneys that are due may not be assigned without such consent, and unless specifically stated to the contrary in any written consent to an assignment no assignment will release or discharge the CONTRACTOR from any duty or responsibility under the Contract Documents.

11.2. This Agreement shall be binding upon the OWNER and CONTRACTOR, their respective heirs, executors, administrators, successors, or assigns and legal representative to the other party hereto, its partners, heirs, executors, successors, assigns and legal representatives in respect of all covenants, agreements and obligations contained in the Contract Documents.

11.3. If any provision of this Agreement shall be determined to be invalid or unenforceable by final judgment of a court of competent jurisdiction, the remaining provisions shall continue in effect to the extent permitted by law.

11.4. This Agreement may be amended only by a written instrument signed by the parties.

11.5. This Agreement shall be governed by and construed in accordance with the Massachusetts law, without regard to choice of law principles.

11.6. The CONTRACTOR shall provide to the satisfaction of the OWNER, adequate supervision of all work performed under this Agreement.

11.7. This Agreement shall be subject to the Commonwealth of Massachusetts Equal Employment Opportunity Anti-Discrimination and Affirmative Action EEO/AA Program. The goal for Affirmative Action is five percent (5%) Minority Business Enterprise (MBE) and Women Business Enterprise (WBE) workforce. The goal for the MBE and WBE Policy is a minimum of five percent (5%). The CONTRACTOR shall take all affirmative steps necessary to achieve these goals, and shall provide required reports.

11.8. The CONTRACTOR shall comply with all provisions of law applicable to his work including without limitation statutes, by-laws rules, regulations, orders and directives. This Contract shall be considered to include in their entirety all terms respecting workers' compensation insurance and other terms required to be included in it by Chapter 152 of the Massachusetts General Laws, as amended, and any other laws, as though such terms were set forth in their entirety herein. The CONTRACTOR shall comply with all applicable provisions of law and regulation as specified by the Williams-Steiger Occupational Safety and Health Act of 1970, as amended.

11.9. The CONTRACTOR has entered into this Contract in reliance on his own examinations and estimates as to the amount and character of his work, and conditions which may be encountered in the performance thereof, and shall assume all risks and bear all losses pertaining thereto.

11.10. The CONTRACTOR shall compensate the Town of Natick for all damages to the Town property of any nature arising out of the CONTRACTOR'S work.

11.11. The Town of Natick may defer payment to the CONTRACTOR of such sums otherwise due him under this Contract for such period of time as the Director of Public Works may deem required by law or expedient for protection of the Town or others against his noncompliance with the provisions thereof; and the Town may reimburse itself, by deduction from the money so retained, for all expense and loss resulting to it from his noncompliance.

11.12. No payment by the Town of Natick to the CONTRACTOR shall be deemed to be a waiver of any right of the Town of Natick under this Contract or ratification by the Town of Natick any breach hereof by him.

11.13. The CONTRACTOR shall provide services under this Agreement as an independent CONTRACTOR with the town of Natick and the CONTRACTOR and its employees shall not be entitled to receive any benefits of employment with the Town of Natick, including without limitation salary, overtime, vacation pay, holiday pay, health insurance, life insurance, pension or deferred compensation.

11.14. If any assignment shall be made by the CONTRACTOR or by any guarantor of the CONTRACTOR for the benefit of creditors, or if a petition is filed by the CONTRACTOR or by any guarantor of the CONTRACTOR for adjudication as a bankrupt, or for reorganization or an arrangement under any provision of the Bankruptcy Act as then in force and effect, or if an involuntary petition under any of the provisions of the Bankruptcy Act is filed against the CONTRACTOR and such involuntary petition is not discharged within ninety (90) days thereafter, in any event the Town may terminate this Contract upon written notice to the CONTRACTOR.

11.15. The award of this Contract and the continued operation of this Contract are subject to appropriation by Natick Town Meeting of sufficient money to fund the Contract.

11.16. The Owner may terminate this Contract upon written notice to the CONTRACTOR if a source of money to fund the Contract is lost during any year of the Contract term. In the alternative, the parties may agree in writing to amend the Contract to provide for a Contract price which represents the reduced appropriation for a contract year.

11.17. In the event of termination, the CONTRACTOR shall be entitled to be paid for services rendered in accordance with this Contract prior to termination.

IN WITNESS WHEREOF, OWNER and CONTRACTOR have executed or caused to be executed by their duly authorized officials this Agreement in five (5) copies under seal, each of which shall be deemed as an original on the date first above written. One Counterpart each has been delivered to OWNER, CONTRACTOR, ENGINEER, Town Counsel and Town Accountant.

OWNER:

Town of Natick, Massachusetts

By _____

The Natick Board of Selectmen

Michael J. Hickey, Jr., Chairman_____
Susan G. Salamoff, Vice Chairman_____
Jonathan H. Freedman, Clerk_____
Karen Adelman-Foster_____
Richard P. Jennett Jr.

Dated: _____

CONTRACTOR:_____
Printed Name of CONTRACTOR

By: _____

Signature_____
Printed Name_____
Printed Title

Dated: _____

[CORPORATE SEAL]_____
Attest

Owner Address for giving notices:

Board of Selectmen
Natick Town Hall
13 East Central Street
Natick, MA 01760

With copies to: Karis L. North, Esq.
Murphy, Hesse, Toomey and Lehane, LLP
300 Crown Colony Drive, Suite 410 P.O. Box 9126
Quincy, MA 02169-9126

Contractor Address for giving notices:

Richard M. Pacella, Jr.
President
R.M. Pacella, Inc.
3 Madison Street
Plainville, MA 02762

CERTIFICATE OF APPROPRIATION

In accordance with the requirements of M.G.L. Chapter 44, Section 31C, this is to certify that an appropriation in the amount of this CONTRACT is available therefor, and that the Natick Board of Selectmen is authorized to execute this CONTRACT and to approve all requisitions and execute change orders.

Arti P. Mehta
Comptroller, Town of Natick

Date

APPROVED AS TO FORM ONLY (AND NOT AS TO SUBSTANCE):

Karis L. North, Esq.

Date

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SECTION 00300

BID PROPOSAL

To the Town of Natick, Massachusetts, herein called the "Owner", for:

Town of Natick, Massachusetts
"Proposed Roadway Improvements to South Main Street"

The undersigned, as Bidder, declares that all persons or parties interested in this Bid as principals are named herein; that this Bid is bona fide, fair, and made without collusion or fraud with any person (As used in this section, the word "person" shall mean any natural person, business, joint ventures, partnership, corporation, union, committee, club, or other organization, entity or group of individuals.); that he has carefully examined the location of the proposed Work and has, read the Contract Documents; that he shall agree to contract with the Town of Natick, in the form of a Contract to be deposited with the Owner, to provide all necessary machinery, tools, apparatus and other means of construction, and to do all the work and furnish the materials and labor, specified in the Contract, in the manner and time therein prescribed, and according to the requirements of the OWNER, as therein set forth; and that he shall take in full payment therefor, the amounts resulting from the unit and/or lump sum prices which he bids in the following tabulation, when multiplied by the quantities of Work actually accomplished.

The estimated quantities shown in the following tabulation are approximate and are given to provide a uniform basis for comparison of Bids. The OWNER does not expressly or by implication agree that the actual quantities of Work to be done shall correspond thereto.

Bidder hereby agrees to commence Work under this Contract on or before the date to be indicated on the Notice to Proceed and will be completed in operating condition as soon as practicable, but no later than **Four Hundred ninety-five (495) consecutive calendar days** thereafter, unless an extension of time is granted. Bidder further agrees to meet all milestone dates specified in the Information for Bidders Section of this Contract or pay as liquidated damages, the sum of one thousand eight hundred (\$1,800.00) for each consecutive calendar day thereafter that all the work, is not completed, as provided in the Information for Bidders Section of this Contract, and agrees that this sum is not contingent upon any financial losses incurred by the Owner due to the delay, and not to be considered as a penalty, but an agreed upon sum to be deducted from Contractor's payment.

Bidder acknowledges receipt of Addenda: 12/16/19 #1 12/16/19 #2 #3

For all Work presented in the Bid Documents, Bidder submits the following Bid:

Total Base Bid Price in Words Four Million Three Hundred Thirty-Four Thousand Four Hundred & Seven Dollars

Total Base Bid Price in Numbers \$ 4,334,407.00

Total Bid Price inclusive of Add Alternate No. 1 in Words Three Hundred Twenty-Seven Thousand & Fifty-Nine Dollars and Seventy-Five Cents

Total Bid Price inclusive of Add Alternate No. 1 in Numbers \$ 327,059.75

BID NUMBER:**BIDDER NAME:**

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
101	0.25 A	CLEARING AND GRUBBING Sixty Thousand Dollars and Zero cents (\$ 60,000.00)	\$ 15,000.00
102.1	750 FT	TREE TRIMMING Fifteen Dollars and Zero cents (\$ 15.00)	\$ 11,250.00
102.51	17 EA	INDIVIDUAL TREE PROTECTION Three Hundred Dollars and Zero cents (\$ 300.00)	\$ 5,100.00
103	2 EA	TREE REMOVED - DIAMETER UNDER 24 INCHES Thirty-Three Hundred Dollars and Zero cents (\$ 3,300.00)	\$ 6,600.00
104	3 EA	TREE REMOVED - DIAMETER 24 INCHES AND OVER Four Thousand Dollars and Zero cents (\$ 4,000.00)	\$ 12,000.00
105	4 EA	STUMP REMOVED One Hundred & Fifty Dollars and Zero cents (\$ 150.00)	\$ 600.00
120	8550 CY	EARTH EXCAVATION Twenty Dollars and Zero cents (\$ 20.00)	\$ 171,000.00
121	125 CY	CLASS A ROCK EXCAVATION Eighty-Five Dollars and Zero cents (\$ 85.00)	\$ 10,625.00
141.1	75 CY	TEST PIT FOR EXPLORATION One Hundred & Twenty-Five Dollars and Zero cents (\$ 125.00)	\$ 9,375.00

BID NUMBER:**BIDDER NAME:**

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
144	200 CY	CLASS B ROCK EXCAVATION One Hundred & Fifty Dollars and Zero cents (\$ 150.00)	\$ 30,000.00
146	50 EA	DRAINAGE STRUCTURE REMOVED Four Hundred Dollars and Zero cents (\$ 400.00)	\$ 20,000.00
151	3600 CY	GRAVEL BORROW Fifteen Dollars and Zero cents (\$ 15.00)	\$ 54,000.00
156	390 TON	CRUSHED STONE Fifteen Dollars and Zero cents (\$ 15.00)	\$ 5,850.00
170	10400 SY	FINE GRADING AND COMPACTING - SUBGRADE AREA Twelve Dollars and Zero cents (\$ 12.00)	\$ 124,800.00
201	39 EA	CATCH BASIN Five Thousand Dollars and Zero cents (\$ 5,000.00)	\$ 195,000.00
201.7	5 EA	DOUBLE GRATE CATCH BASIN Fifty-Five Hundred Dollars and Zero cents (\$ 5,500.00)	\$ 27,500.00
202	22 EA	MANHOLE Seventy-One Hundred Dollars and Zero cents (\$ 7,100.00)	\$ 156,200.00
202.5	11 EA	MANHOLE (5 FOOT DIAMETER) Eighty-One Hundred Dollars and Zero cents (\$ 8,100.00)	\$ 89,100.00

BID NUMBER:**BIDDER NAME:**

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
202.8	10 EA	MANHOLE WITH DEEP SUMP Sixty-One Hundred Dollars and Zero cents (\$ 6,100.00)	\$ 61,000.00
204.	8 EA	GUTTER INLET Twenty-Five Hundred Dollars and Zero cents (\$ 2,500.00)	\$ 20,000.00
204.1	13 EA	DOUBLE GRATE GUTTER INLET Four Thousand Dollars and Zero cents (\$ 4,000.00)	\$ 52,000.00
204.11	13 EA	GUTTER INLET - SPECIAL Twenty-Five Hundred Dollars and Zero cents (\$ 2,500.00)	\$ 32,500.00
220	31 EA	DRAINAGE STRUCTURE ADJUSTED Five Hundred & Fifty Dollars and Zero cents (\$ 550.00)	\$ 17,050.00
220.3	11 EA	DRAINAGE STRUCTURE CHANGE IN TYPE Sixteen Hundred & Fifty Dollars and Zero cents (\$ 1,650.00)	\$ 18,150.00
220.5	6 EA	DRAINAGE STRUCTURE REMODELED Six Hundred & Fifty Dollars and Zero cents (\$ 650.00)	\$ 3,900.00
220.7	31 EA	SANITARY STRUCTURE ADJUSTED Five Hundred & Fifty Dollars and Zero cents (\$ 550.00)	\$ 17,050.00
220.8	4 EA	SANITARY STRUCTURE REMODELED Six Hundred & Fifty Dollars and Zero cents (\$ 650.00)	\$ 2,600.00

BID NUMBER:**BIDDER NAME:**

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
221.2	3 EA	CURB COVER AND FRAME Forty-Five Hundred Dollars and Zero cents (\$ 4,500.00)	\$ 13,500.00
222.3	132 EA	FRAME AND GRATE (OR COVER) MUNICIPAL STANDARD Eleven Hundred & Fifty Dollars and Zero cents (\$ 1,150.00)	\$ 151,800.00
222.5	13 EA	4 INCH FRAME AND GRATE- HEAVY DUTY Eight Hundred & Fifty Dollars and Zero cents (\$ 850.00)	\$ 11,050.00
223.2	49 EA	FRAME AND GRATE (OR COVER) REMOVED AND DISCARDED Twenty-Five Dollars and Zero cents (\$ 25.00)	\$ 1,225.00
224.12	44 EA	12 INCH HOOD Seven Hundred & Thirty-Two Dollars and Zero cents (\$ 732.00)	\$ 32,208.00
238.12	770 FT	12 INCH DUCTILE IRON PIPE One Hundred & Thirty-Five Dollars and Zero cents (\$ 135.00)	\$ 103,950.00
238.16	50 FT	16 INCH DUCTILE IRON PIPE Two Hundred & Forty-Five Dollars and Zero cents (\$ 245.00)	\$ 12,250.00
238.24	20 FT	24 INCH DUCTILE IRON PIPE Two Hundred & Eighty-Five Dollars and Zero cents (\$ 285.00)	\$ 5,700.00
241.12	1075 FT	12 INCH REINFORCED CONCRETE PIPE Ninety Dollars and Zero cents (\$ 90.00)	\$ 96,750.00

BID NUMBER:**BIDDER NAME:**

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
241.18	850 FT	18 INCH REINFORCED CONCRETE PIPE One Hundred & Fifteen Dollars and Zero cents (\$ 115.00)	\$ 97,750.00
241.24	150 FT	24 INCH REINFORCED CONCRETE PIPE One Hundred & Sixty-Five Dollars and Zero cents (\$ 165.00)	\$ 24,750.00
241.3	10 FT	30 INCH REINFORCED CONCRETE PIPE One Hundred & Eighty-Five Dollars and Zero cents (\$ 185.00)	\$ 1,850.00
241.36	15 FT	36 INCH REINFORCED CONCRETE PIPE Two Hundred & Twenty-Five Dollars and Zero cents (\$ 225.00)	\$ 3,375.00
243.12	200 FT	12 INCH REINFORCED CONCRETE PIPE CLASS IV Ninety Dollars and Zero cents (\$ 90.00)	\$ 18,000.00
244.12	50 FT	12 INCH REINFORCED CONCRETE PIPE CLASS V One Hundred & Twenty-Five Dollars and Zero cents (\$ 125.00)	\$ 6,250.00
244.18	180 FT	18 INCH REINFORCED CONCRETE PIPE CLASS V One Hundred & Twenty Dollars and Zero cents (\$ 120.00)	\$ 21,600.00
244.24	40 FT	24 INCH REINFORCED CONCRETE PIPE CLASS V One Hundred & Seventy-Five Dollars and Zero cents (\$ 175.00)	\$ 7,000.00

Town of Natick

Proposed Roadway Improvements to South Main Street

BID NUMBER:**BIDDER NAME:**

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
250.06	30 FT	6 INCH POLYVINYL CHLORIDE SANITARY SEWER PIPE Eighty-Five Dollars and Zero cents (\$ 85.00)	\$ 2,550.00
268	2 EA	6 INCH SUBDRAIN CLEANOUT Six Hundred & Fifty Dollars and Zero cents (\$ 650.00)	\$ 1,300.00
269.06	340 FT	6 INCH SLOT-PERFORATED CORRUGATED PLASTIC PIPE (SUBDRAIN) Eighty-Five Dollars and Zero cents (\$ 85.00)	\$ 28,900.00
357	9 EA	GATE BOX Six Hundred & Fifty Dollars and Zero cents (\$ 650.00)	\$ 5,850.00
358	42 EA	GATE BOX ADJUSTED Three Hundred & Fifty Dollars and Zero cents (\$ 350.00)	\$ 14,700.00
381.01	12 EA	SERVICE BOX (MUNICIPAL STANDARD) Three Hundred Dollars and Zero cents (\$ 300.00)	\$ 3,600.00
381.3	48 EA	SERVICE BOX ADJUSTED Ninety-Five Dollars and Zero cents (\$ 95.00)	\$ 4,560.00
403.	18750 SY	RECLAIMED PAVEMENT FOR BASE COURSE AND/OR SUB-BASE Four Dollars and Twenty-Five cents (\$ 4.25)	\$ 79,687.50
403.1	325 TON	CRUSHED STONE FOR BLENDING Thirteen Dollars and Zero cents (\$ 13.00)	\$ 4,225.00

Town of Natick

Proposed Roadway Improvements to South Main Street

ADDENDUM NO. 2

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
415	2040 SY	PAVEMENT MICROMILLING Sixteen Dollars and Fifty cents (\$ 16.50)	\$ 33,660.00
443	230 MGL	WATER FOR ROADWAY DUST CONTROL Ten Dollars and Zero cents (\$ 10.00)	\$ 2,300.00
452	4025 GAL	ASPHALT EMULSION FOR TACK COAT Two Dollars and Fifty cents (\$ 2.50)	\$ 10,062.50
453	1150 FT	HMA JOINT SEALANT Five Dollars and Fifty cents (\$ 5.50)	\$ 6,325.00
460	8750 TON	HOT MIX ASPHALT Ninety-Five Dollars and Zero cents (\$ 95.00)	\$ 831,250.00
470.2	450 FT	HOT MIX ASPHALT BERM, TYPE A - MODIFIED Ten Dollars and Zero cents (\$ 10.00)	\$ 4,500.00
472	190 TON	ASPHALT MIXTURES FOR TEMPORARY WORK Two Hundred & Sixty-Eight Dollars and Zero cents (\$ 268.00)	\$ 50,920.00
504	270 FT	GRANITE CURB TYPE VA4 - STRAIGHT Thirty-Five Dollars and Zero cents (\$ 35.00)	\$ 9,450.00
504.1	450 FT	GRANITE CURB TYPE VA4 - CURVED Forty-Five Dollars and Zero cents (\$ 45.00)	\$ 20,250.00

Town of Natick

ADDENDUM NO. 2 Proposed Roadway Improvements to South Main Street

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
506	300 FT	GRANITE CURB TYPE VB - STRAIGHT <u>Thirty-Five</u> Dollars and <u>Zero</u> cents (\$ <u>35.00</u>)	\$ <u>10,500.00</u>
506.1	80 FT	GRANITE CURB TYPE VB - CURVED <u>Forty-Five</u> Dollars and <u>Zero</u> cents (\$ <u>45.00</u>)	\$ <u>3,600.00</u>
509	1300 FT	GRANITE TRANSITION CURB FOR WHEELCHAIR RAMPS - STRAIGHT <u>Thirty-Five</u> Dollars and <u>Zero</u> cents (\$ <u>35.00</u>)	\$ <u>45,500.00</u>
509.1	180 FT	GRANITE TRANSITION CURB FOR WHEELCHAIR RAMPS - CURVED <u>Forty</u> Dollars and <u>Zero</u> cents (\$ <u>40.00</u>)	\$ <u>7,200.00</u>
510	90 FT	GRANITE EDGING TYPE SA <u>Thirty-Five</u> Dollars and <u>Zero</u> cents (\$ <u>35.00</u>)	\$ <u>3,150.00</u>
510.1	18 FT	GRANITE EDGING TYPE SA (RADIUS 10 FEET OR LESS) <u>Forty</u> Dollars and <u>Zero</u> cents (\$ <u>40.00</u>)	\$ <u>720.00</u>
514	9 EA	GRANITE CURB INLET - STRAIGHT <u>Four Hundred & Fifty-Five</u> Dollars and <u>Zero</u> cents (\$ <u>455.00</u>)	\$ <u>4,095.00</u>
514.1	5 EA	GRANITE CURB INLET DOUBLE WIDE - STRAIGHT <u>Five Hundred & Sixty-Five</u> Dollars and <u>Zero</u> cents (\$ <u>565.00</u>)	\$ <u>2,825.00</u>

Town of Natick

Proposed Roadway Improvements to South Main Street

ADDENDUM NO. 2

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
580	7020 FT	CURB REMOVED AND RESET Twenty-Five Dollars and Zero cents (\$ 25.00)	\$ 175,500.00
581	28 EA	CURB INLET REMOVED AND RESET Eighty-Five Dollars and Zero cents (\$ 85.00)	\$ 2,380.00
582	1 EA	CURB CORNER REMOVED AND RESET One Hundred & Five Dollars and Zero cents (\$ 105.00)	\$ 105.00
594	2450 FT	CURB REMOVED AND DISCARDED Four Dollars and Fifty cents (\$ 4.50)	\$ 11,025.00
620.13	475 FT	GUARDRAIL, TL-3 (SINGLE FACED) Thirty-Three Dollars and Zero cents (\$ 33.00)	\$ 15,675.00
620.33	63 FT	GUARDRAIL - CURVED, TL-3 (SINGLE FACED) Thirty-Five Dollars and Zero cents (\$ 35.00)	\$ 2,205.00
627.1	1 EA	TRAILING ANCHORAGE Eighteen Hundred Dollars and Zero cents (\$ 1,800.00)	\$ 1,800.00
627.93	1 EA	GUARDRAIL FLARED END TREATMENT, TL-3 Four Thousand Dollars and Zero cents (\$ 4,000.00)	\$ 4,000.00
628.21	6 EA	TRANSITION TO NCHRP 350 GUARDRAIL Seventeen-Hundred & Fifty Dollars and Zero cents (\$ 1,750.00)	\$ 10,500.00

Town of Natick

Proposed Roadway Improvements to South Main Street

ADDENDUM NO. 2

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
630	1800 FT	HIGHWAY GUARD REMOVED AND RESET Eighteen Dollars and Zero cents (\$ 18.00)	\$ 32,400.00
630.2	400 FT	HIGHWAY GUARD REMOVED AND DISCARDED Fifteen Dollars and Zero cents (\$ 15.00)	\$ 6,000.00
634	10 EA	W BEAM GUARD PANEL Three Hundred Dollars and Zero cents (\$ 300.00)	\$ 3,000.00
669	25 FT	FENCE REMOVED AND STACKED Fifteen Dollars and Zero cents (\$ 15.00)	\$ 375.00
670	570 FT	FENCE REMOVED AND RESET Thirty Dollars and Zero cents (\$ 30.00)	\$ 17,100.00
685	80 CY	STONE MASONRY WALL IN CEMENT MORTAR Nine Hundred & Eighty-Five Dollars and Zero cents (\$ 985.00)	\$ 78,800.00
697.11	120 EA	INLET SEDIMENT FILTER BAG Twenty-Five Dollars and Zero cents (\$ 25.00)	\$ 3,000.00
698.4	2400 SY	GEOTEXTILE FABRIC FOR PERMANENT EROSION CONTROL Five Dollars and Zero cents (\$ 5.00)	\$ 12,000.00

Town of Natick

Proposed Roadway Improvements to South Main Street

BID NUMBER:**BIDDER NAME:**

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
701	100 SY	CEMENT CONCRETE SIDEWALK One Hundred Dollars and Zero cents (\$ 100.00)	\$ 10,000.00
701.2	320 SY	CEMENT CONCRETE WHEELCHAIR RAMP One Hundred Dollars and Zero cents (\$ 100.00)	\$ 32,000.00
702	550 TON	HOT MIX ASPHALT WALK SURFACE Two Hundred Dollars and Zero cents (\$ 200.00)	\$ 110,000.00
703	375 TON	HOT MIX ASPHALT DRIVEWAY Two Hundred Dollars and Zero cents (\$ 200.00)	\$ 75,000.00
703.9	525 SF	IMPRINTED CROSSWALK Thirty-Three Dollars and Zero cents (\$ 33.00)	\$ 17,325.00
704.2	10 SY	GRAVEL FOR DRIVEWAYS Forty Dollars and Zero cents (\$ 40.00)	\$ 400.00
705.1	1 SY	FLAGSTONE WALK REMOVED AND RESET Three Hundred Dollars and Zero cents (\$ 300.00)	\$ 300.00
706.1	10 SY	BRICK WALK REMOVED AND RELAID Three Hundred Dollars and Zero cents (\$ 300.00)	\$ 3,000.00
710.4	3 EA	BOUND - PLAIN GRANITE Seven Hundred & Fifty Dollars and Zero cents (\$ 750.00)	\$ 2,250.00

Town of Natick

Proposed Roadway Improvements to South Main Street

ADDENDUM NO. 2

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
711	11 EA	BOUND REMOVED AND RESET Five Hundred & Fifty Dollars and Zero cents (\$ 550.00)	\$ 6,050.00
715	21 EA	RURAL MAIL BOX REMOVED AND RESET Two Hundred & Fifty Dollars and Zero cents (\$ 250.00)	\$ 5,250.00
751	525 CY	LOAM BORROW Forty-Two Dollars and Zero cents (\$ 42.00)	\$ 22,050.00
756	1 LS	NPDES STORMWATER POLLUTION PREVENTION PLAN Ninety-Three Hundred Dollars and Zero cents (\$ 9,300.00)	\$ 9,300.00
765	4700 SY	SEEDING One Dollars and Zero cents (\$ 1.00)	\$ 4,700.00
767.122	27 LF	FILTER TUBE Sixteen Dollars and Fifty cents (\$ 16.50)	\$ 445.50
767.2	4700 SY	HAY MULCH Zero Dollars and Twenty-Five cents (\$ 0.25)	\$ 1,175.00
767.6	15 CY	AGED PINE BARK MULCH Eighty-Five Dollars and Zero cents (\$ 85.00)	\$ 1,275.00
769	2250 FT	PAVEMENT MILLING MULCH UNDER GUARD RAIL Six Dollars and Fifty cents (\$ 6.50)	\$ 14,625.00

Town of Natick

Proposed Roadway Improvements to South Main Street

ADDENDUM NO. 2

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
804.3	210 FT	3 INCH ELECTRICAL CONDUIT TYPE NM - PLASTIC -(UL) Sixty-Five Dollars and Zero cents (\$ 65.00)	\$ 13,650.00
811.31	6 EA	PULL BOX 12 X 12 INCHES - SD2.031 Six Hundred & Fifty Dollars and Zero cents (\$ 650.00)	\$ 3,900.00
815.11	2 EA	FLASHING BEACON SCHOOL ZONE SIGN (SOLAR) Fifteen Thousand Five Hundred Dollars and Zero cents (\$ 15,500.00)	\$ 31,000.00
815.13	4 EA	LED ILLUMINATED SIGN AND POST (SOLAR) Fourteen Thousand Dollars and Zero cents (\$ 14,000.00)	\$ 56,000.00
815.15	3 EA	RECTANGULAR RAPID FLASHING BEACON SYSTEM (AC) Twenty-Eight Thousand Five Hundred Dollars and Zero cents (\$ 28,500.00)	\$ 85,500.00
832	274 SF	WARNING-REGULATORY AND ROUTE MARKER - ALUMINUM PANEL (TYPE A) Twelve Dollars and Twenty-Five cents (\$ 12.25)	\$ 3,356.50
833.5	105 EA	DEMOUNTABLE REFLECTORIZED DELINEATOR - GUARD RAIL Six Dollars and Zero cents (\$ 6.00)	\$ 630.00
833.7	6 EA	DELINEATION FOR GUARD RAIL TERMINI Forty Dollars and Zero cents (\$ 40.00)	\$ 240.00

Town of Natick

Proposed Roadway Improvements to South Main Street

BID NUMBER:**BIDDER NAME:**

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
847.1	48 EA	SIGN SUP (N/GUIDE)+ RTE MKR W/1 BRKWAY POST ASSEMBLY - STEEL One Hundred & Thirty-Five Dollars and Zero cents (\$ 135.00)	\$ 6,480.00
851.2	1 LS	TRAFFIC CONTROLS FOR CONSTRUCTION One Hundred & Eighty-Five Thousand Dollars and Zero cents (\$ 185,000.00)	\$ 185,000.00
854.014	50000 FT	TEMPORARY PAVING MARKINGS - 4 INCH (PAINT) Zero Dollars and Twenty-Five cents (\$ 0.25)	\$ 12,500.00
854.018	912 FT	TEMPORARY PAVING MARKINGS - 8 INCH (PAINT) One Dollars and Zero cents (\$ 1.00)	\$ 912.00
854.112	7000 FT	TEMPORARY PAVING MARKINGS - 12 INCH (PAINT) One Dollars and Fifty cents (\$ 1.50)	\$ 10,500.00
860.104	12500 FT	4 INCH REFLECTORIZED WHITE LINE (PAINTED) Zero Dollars and Thirty cents (\$ 0.30)	\$ 3,750.00
860.108	75 FT	8 INCH REFLECTORIZED WHITE LINE (PAINTED) One Dollars and Zero cents (\$ 1.00)	\$ 75.00

Town of Natick

Proposed Roadway Improvements to South Main Street

BID NUMBER:**BIDDER NAME:**

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
860.112	3150 FT	12 INCH REFLECTORIZED WHITE LINE (PAINTED) One _____ Dollars and Fifty _____ cents (\$ 1.50 _____)	\$ 4,725.00 _____
861.104	12150 FT	4 INCH REFLECTORIZED YELLOW LINE (PAINTED) Zero _____ Dollars and Thirty _____ cents (\$ 0.30 _____)	\$ 3,645.00 _____
861.108	330 FT	8 INCH REFLECTORIZED YELLOW LINE (PAINTED) One _____ Dollars and Zero _____ cents (\$ 1.00 _____)	\$ 330.00 _____
864	35 SF	PAVEMENT ARROW REFLECTORIZED WHITE (PAINTED) Six _____ Dollars and Zero _____ cents (\$ 6.00 _____)	\$ 210.00 _____
864.12	2300 SF	GREEN ROADWAY SHOULDER PAVEMENT MARKING Fifteen _____ Dollars and Zero _____ cents (\$ 15.00 _____)	\$ 34,500.00 _____
874	18 EA	STREET NAME SIGN One Hundred & Fifty _____ Dollars and Zero _____ cents (\$ 150.00 _____)	\$ 2,700.00 _____
874.2	1 EA	TRAFFIC SIGN REMOVED AND RESET Eighty-Five _____ Dollars and Zero _____ cents (\$ 85.00 _____)	\$ 85.00 _____
874.4	78 EA	TRAFFIC SIGN REMOVED AND STACKED Thirty _____ Dollars and Zero _____ cents (\$ 30.00 _____)	\$ 2,340.00 _____

Town of Natick

Proposed Roadway Improvements to South Main Street

BID NUMBER:**BIDDER NAME:**

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
877.2	41 EA	SIGN POST REMOVED AND STACKED Thirty Dollars and Zero cents (\$ 30.00)	\$ 1,230.00
999.001	3840 HR	POLICE DETAIL FIFTY FIVE Dollars and ZERO cents (\$ 55.00)	\$ 211,200.00
TOTAL BASE BID			
		Four Million Three Hundred Thirty-Four Thousand Four Hundred & Seven Dollars and Zero cents (\$ 4,334,407.00)	\$ 4,334,407.00

Town of Natick

Proposed Roadway Improvements to South Main Street

ADD ALTERNATE NO. 1:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
101	0.13 A	CLEARING AND GRUBBING Sixty Thousand Dollars and Zero cents (\$ 60,000.00)	\$ 7,800.00
102.1	105 FT	TREE TRIMMING Fifteen Dollars and Zero cents (\$ 15.00)	\$ 1,575.00
105	29 EA	STUMP REMOVED One Hundred & Fifty Dollars and Zero cents (\$ 150.00)	\$ 4,350.00
120	1050 CY	EARTH EXCAVATION Twenty Dollars and Zero cents (\$ 20.00)	\$ 21,000.00
121	40 CY	CLASS A ROCK EXCAVATION Eighty-Five Dollars and Zero cents (\$ 85.00)	\$ 3,400.00
144	25 CY	CLASS B ROCK EXCAVATION One Hundred & Fifty Dollars and Zero cents (\$ 150.00)	\$ 3,750.00
151	432 CY	GRAVEL BORROW Fifteen Dollars and Zero cents (\$ 15.00)	\$ 6,480.00
170	1300 SY	FINE GRADING AND COMPACTING – SUBGRADE AREA Twelve Dollars and Zero cents (\$ 12.00)	\$ 15,600.00

ADDENDUM NO. 2

Town of Natick

Proposed Roadway Improvements to South Main Street

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
509	270 FT	GRANITE TRANSITION CURB FOR WHEELCHAIR RAMPS - STRAIGHT Thirty-Five Dollars and Zero cents (\$ 35.00)	\$ 9,450.00
509.1	90 FT	GRANITE TRANSITION CURB FOR WHEELCHAIR RAMPS - CURVED Forty Dollars and Zero cents (\$ 40.00)	\$ 3,600.00
685	155 CY	STONE MASONRY WALL IN CEMENT MORTAR Seven Hundred & Fifty Dollars and Zero cents (\$ 750.00)	\$ 116,250.00
698.4	2850 SY	GEOTEXTILE FABRIC FOR PERMANENT EROSION CONTROL Five Dollars and Zero cents (\$ 5.00)	\$ 14,250.00
701.2	180 SY	CEMENT CONCRETE WHEELCHAIR RAMP One Hundred Dollars and Zero cents (\$ 100.00)	\$ 18,000.00
702	156 TON	HOT MIX ASPHALT WALK SURFACE Two Hundred Dollars and Zero cents (\$ 200.00)	\$ 31,200.00
703	42 TON	HOT MIX ASPHALT DRIVEWAY Two Hundred Dollars and Zero cents (\$ 200.00)	\$ 8,400.00
703.9	295 SF	IMPRINTED CROSSWALK Thirty-Three Dollars and Zero cents (\$ 33.00)	\$ 9,735.00

Town of Natick

Proposed Roadway Improvements to South Main Street

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
751	214 CY	LOAM BORROW Forty-Two Dollars and Zero cents (\$ 42.00)	\$ 8,988.00
765	1050 SY	SEEDING One Dollars and Zero cents (\$ 1.00)	\$ 1,050.00
767.2	1050 SY	HAY MULCH Zero Dollars and Twenty-Five cents (\$ 0.25)	\$ 262.50
815.14	2 EA	RECTANGULAR RAPID FLASHING BEACON SYSTEM (SOLAR) Twenty Thousand Dollars and Zero cents (\$ 20,000.00)	\$ 40,000.00
832	9 SF	WARNING - REGULATORY AND ROUTE MARKER - ALUMINUM PANEL (TYPE A) Twelve Dollars and Twenty-Five cents (\$ 12.25)	\$ 110.25
847.1	1 EA	SIGN SUP (N/GUIDE)+RTE MKR W/1 BRKWAY POST ASSEMBLY - STEEL One Hundred & Thirty-Five Dollars and Zero cents (\$ 135.00)	\$ 135.00
860.112	1116 FT	12 INCH REFLECTOIZED WHITE LINE (PAINTED) One Dollars and Fifty cents (\$ 1.50)	\$ 1,674.00

Town of Natick

Proposed Roadway Improvements to South Main Street

TOTAL BID INCLUSIVE OF ADD ALTERNATE NO. 1:

TOTAL BID

Three Hundred Twenty-Seven Thousand & Fifty-Nine Dollars and

Seventy-Five cents (\$ 327,059.75) \$

STATEMENT OF EXPERIENCE: The undersigned as Bidder declares that he has successfully accomplished similar work in the following places:

*** See Attached Sheet(s) ***

1. Description of Project (Include type of project, size, total value of Contract, date of completion, etc.)

Owner & Contact Person (Names, Addresses and Telephone Nos.)

Engineer & Contact Person

2. Description of Project (Include type of project, size, total value of Contract, date of completion, etc.)

Owner & Contact Person (Names, Addresses and Telephone Nos.)

Engineer & Contact Person

Town of Natick

Proposed Roadway Improvements to South Main Street

3. Description of Project (Include type of project, size, total value of Contract, date of completion, etc.)

Owner & Contact Person (Names, Addresses and Telephone Nos.)

Engineer & Contact Person

4. Description of Project (Include type of project, size, total value of Contract, date of completion, etc.)

Owner & Contact Person (Names, Addresses and Telephone Nos.)

Engineer & Contact Person

5. Description of Project (Include type of project, size, total value of Contract, date of completion, etc.)

Owner & Contact Person (Names, Addresses and Telephone Nos.)

Engineer & Contact Person

NOTE: Bidders may attach supplementary information, if necessary, to indicate the experience, organization and equipment available to undertake the Work in the event of an award of the Contract.

R.M. PACELLA INC.

Schedule of Work on Completed

Project Name and Location	Description of Your Scope of Work	End Dates	Contract Amount	Client Reference Information
Call Services for Pavement Patching and General Water Main, Service and Hydrant Repair and Emergency Service	Permanent Asphalt Patching, Water Main, Services and Hydrants	Completed	\$523,956.14	Dedham-Westwood Water District Eileen Commene, Executive Director Phone: 781 - 461 - 2779 Fax: 781 - 329 - 8737 Email: ecommene@dwwd.org
Schedule and Emergency Drainage Repairs and Improvements @ Various Locations in District 3	Drainage and Roadway Improvements	Completed	\$5,480,309.13	Massachusetts Department of Transportation Matt Faron, Maintenance Engineer Phone: 508 - 929 - 3883 Email: matt.faron@state.ma.us
Route 20 (Boston Post Road) Traffic Improvements Sudbury, Massachusetts	Traffic Signals, Full-Depth Road Reconstruction, Utilities, Drainage, Curbing, Sidewalks and Pavement Restoration	Completed	\$2,648,585.45	Cranshaw Construction Travis Smith, Project Manager 2310 Washington Street Newton Lower Falls, Massachusetts 02462 Phone: 617-965-7300 Email: tsmith@cranshaw.com
Localized Landfill Slope Settlement Repair Plainville Landfill Plainville, Massachusetts	Excavation and Grading, Cleaning, Removing, Reinstalling & Welding HDPE Liner, Restoration and Stabilization	Complete	\$190,460.08	Republic Services Christopher Ford, MS, Environmental Manager 14 Belcher Street Plainville, Massachusetts 02762 Phone: 508-786-7022 Email: cford2@republicservices.com

R.M. PACELLA INC.

MLD Ductbank & Manhole Installation – Baker Street MLD-2017-0017” Belmont, Massachusetts	Installation of approximately 3,800’ of underground duct-bank, nine (9) new manholes, and breaking into six (6) existing manholes	Completed	\$1,081,144.00	Belmont Municipal Light Department Sam Osmancevic, Director of Engineering & Operations 40 Prince Street, Belmont, Massachusetts 02478 Phone: 617-993-2844 Email: sosmancevic@belmontlight.com
Town of Hopkinton Safety Improvements @ Two Locations along Hayden Rowe Hopkinton, Massachusetts	Traffic Signals, Full-Depth Road Reconstruction, Utilities, Drainage, Curbing, Sidewalks and Pavement Restoration	Spring 20’	\$1,031,730.79	Town of Hopkinton John K. Westerling, MPA, Director of Public Works 83 Wood Street Hopkinton, Massachusetts 01748 Phone: 508-497-9761 Email: jwesterling@hopkintonma.gov
CSX Worcester Terminal CSXIT 2019 PMP - Worcester 165 Grafton Street Worcester, Massachusetts	Traffic Controls for Traffic Management Demolition and Removal of Existing Trench Drain, Concrete Repairs and Installation of New Trench Drain	Completed	\$168,600.00	Patrick Engineering Brian Harper, Senior Project Manager 4970 Varsity Drive Lisle, Illinois 60532 Phone: 630-795-7320 Email: bharper@patrickco.com

R.M. PACELLA INC.

Project Name and Location	Description of Your Scope of Work	End Dates	Contract Amount	Client Reference Information
Contract No. 102880 Project No. P604 893 C12 Roadway Reconstruction and Related Work (Including Signals) along a Section of Main and Adjacent Streets in the city of Worcester	Traffic Signals, Full-Depth Road Reconstruction, Utilities, Drainage, Curbing, Sidewalks and Pavement Restoration	Spring 20'	\$1,793,214.50	Massachusetts Department of Transportation Webster Larkin, Resident Engineer 403 Belmont Street Worcester, Massachusetts 01604 Phone: 508 - 929 - 3800 Email: webster.larkin@state.ma.us
Schedule and Emergency Drainage Repairs and Improvements @ Various Locations in District 3	Drainage and Roadway Improvements	Spring 21'	\$1,544,384.00	Massachusetts Department of Transportation Matt Faron, Maintenance Area Engineer 403 Belmont Street Worcester, Massachusetts 01604 Phone: 508 - 929 - 3883 Email: matt.faron@state.ma.us
Contract No. 104747 Project No. P604 995 C12 Stormwater Drainage Improvements and Related Work along a Section of Interstate 495 Dwelle - Chelmsford	Excavation, Revetment & Drainage Improvements	Fall 20'	\$1,394,099.85	Massachusetts Department of Transportation Mark Fedele, Area Engineer 519 Appleton Street Arlington, Massachusetts 02476 Phone: 781 - 641 - 8300 Email: mark.fedele@state.ma.us
Contract No. 105388 Project No. P608 001 C12 Roadway Reconstruction and Related Work (Including Signals) on Sections of Dwelle, South Main, Slade and Adjacent Streets Safe Routes to School - Carlton M. Viveiros Elementary School) in the City of Fall River	Traffic Signals, Full-Depth Road Reconstruction, Utilities, Drainage, Curbing, Sidewalks and Pavement Restoration	Spring 20'	\$1,298,819.68	Massachusetts Department of Transportation Louis Lamoureux, Area Engineer 1000 County Street Taunton, Massachusetts 02780 Phone: 508 - 884 - 4300 Email: louis.lamoureux@dot.state.ma.us

R.M. PACELLA INC.

Contract No.	Project No.	Location	Work Description	Season	Estimated Cost	Contact Information
Contract No. 105915 Project No. 607435	Intersection Improvements and Related Work (Including Signals)	at Falmouth (Route 28) and at Falmouth-West Barnstable Roads in the Town of Barnstable	Traffic Signals, Full-Depth Road Reconstruction, Utilities, Drainage, Curbing, Sidewalks and Pavement Restoration	Spring 21'	\$3,366,212.80	Massachusetts Department of Transportation Michael J. McGrath, Assistant Construction Engineer 1000 County Street Taunton, Massachusetts 02780 Phone: 508 - 824-6633 Email: michael.j.mcgrath@state.ma.us
Contract No. 105939 Project No. 608013	Intersection Improvements and Related Work (Including Signals)	at Sea Street and Quincy Shore Drive in the City of Quincy	Traffic Signals, Full-Depth Road Reconstruction, Utilities, Drainage, Curbing, Sidewalks and Pavement Restoration	Spring 20'	\$2,471,055.00	Massachusetts Department of Transportation James C. O'Leary, Assistant Construction Engineer 185 Kneeland Street Boston, Massachusetts 02111 Phone: 857-368-6204 Email: james.c.oleary@state.ma.us
Contract No. P19-3314-C1A	Wellway East & Highland Avenue Intersection Improvements	Malden, Massachusetts	Traffic Signals, Full-Depth Road Reconstruction, Utilities, Drainage, Curbing, Sidewalks and Pavement Restoration	Summer 20'	\$1,281,282.11	Massachusetts Department of Conservation and Recreation Carol A. Bernardi, Contract Specialist 251 Causeway Street, Suite 600 Boston, Massachusetts 02780 Phone: 617-626-1250 Email: carol.a.bernardi@mass.gov
Contract No. 108463 Project No. P608 602 C12	Stormwater Drainage Improvements and Related Work Along a Section of Route 24 & 79 and Interstate 195	Fall River	Excavation, Revetment & Drainage Improvements	Fall 20'	\$1,285,865.00	Massachusetts Department of Transportation Michael J. Deverix, Assistant Construction Engineer 1000 County Street Taunton, Massachusetts 02780 Phone: 508 - 884-4362 Email: mike.deverix@state.ma.us

Each Bid shall be accompanied by a **Bid Deposit** in the form of a Bid Bond, or cash, or a certified check on, or a treasurer's or cashier's check issued by, a responsible bank or trust company, payable to the awarding authority. The amount of such Bid Deposit shall be five percent (5%) of the value of the Bid. No Bidder may withdraw his Bid for a period of thirty (30) calendar days after the date of Bid opening.

A **Performance Bond and a Payment Bond**, each in the amount of one hundred percent (100 %) of the Contract Price, with a corporate surety approved by the OWNER, shall be required for the faithful performance of the Contract.

BIDDER: The full name and residence of all persons and parties interested in this Bid as principals, is as follows:

Richard M. Pacella, Principal	3 Madison Street, Plainville, Massachusetts 02762-1318
-------------------------------	--

Richard M. Pacella, Jr., President	3 Madison Street, Plainville, Massachusetts 02762-1318
------------------------------------	--

This Bid shall bear the written signature of the Bidder or his authorized agent. If the Bidder is a corporation or a partnership, the Bid shall be signed by a duly authorized officer of such corporation or by a partner, and the title of such officer shall be stated. The **Certificate as to Corporate Bidder Form** shall be completed following this page.

The undersigned Bidder hereby certifies he/she shall comply with the minority workforce percentage ratio and specific affirmative action steps contained in the applicable EEO/AA provisions of this Contract provisions. The Contractor receiving the award of the Contract shall be required to obtain from each of its subcontractors a copy of the certification by said subcontractor, regardless of tier, that it shall comply with the minority workforce ratio and specific affirmative action steps contained in these EEO/AA contract provisions and submit it to the contracting agency prior to the award of such subcontract.

The undersigned, as Bidder, hereby certifies that he is aware of the applicable requirements of the Williams Steiger Occupational Safety and Health Act of 1970 (O.S.H.A.), and all latest revisions thereto, and that this Bid is prepared on the basis of compliance with those requirements.

The undersigned, as Bidder, hereby certifies that he is able to furnish labor that can work in harmony with all other elements of labor employed or to be employed on the work. The undersigned, as Bidder, hereby certifies that all employees to be employed at the worksite shall have successfully completed a course in construction safety and health approved by the United States Occupational Safety and Health Administration that is at least ten (10) hours in duration at the time the employees begin work. The undersigned, as Bidder, hereby certifies that if it is selected as Contractor, it shall furnish documentation of successful completion of said course with the first certified payroll report for each employee. The undersigned, as Bidder, hereby certifies

that he is currently in compliance with the provisions of Massachusetts General Laws, Chapter 151B, which governs nondiscrimination in employment.

The undersigned, as Bidder, hereby certifies that he shall maintain records in reasonable detail which accurately and fairly reflect the financial transactions and disposition of the Bidder, in accordance with M.G.L. Chapter 30, Section 39R.

THIS BID SUBMITTED ON December 18, 20 19

The undersigned certifies under penalties of perjury that this Bid, in all respects is bona fide, fair, and has been made and submitted in good faith and without collusion or fraud with any other person. As used in this certification, the word "person" shall mean any natural person, business, joint ventures, partnership, corporation, union, committee, club, or other organization, entity or group of individuals.

By

Signature

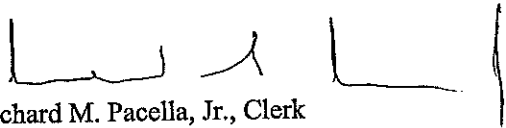

Richard M. Pacella, Jr., President
Printed Name

Printed Title

By R. M. Pacella, Inc.
(Corporation Name)

Massachusetts
(State of Incorporation)

(Corporate Seal)

Attest
(Secretary)  Richard M. Pacella, Jr., Clerk

Business Address: 3 Madison Street, Plainville, Massachusetts 02762-1318

Telephone Number: (508) 695 - 5100

E-mail Address: rpacellajr@rmpacella.com

Fax: N/A

Town of Natick

Proposed Roadway Improvements to South Main Street

CERTIFICATE OF NON-COLLUSION

The undersigned certifies under penalties of perjury that this Bid, in all respects is bona fide, fair, and has been made and submitted in good faith and without collusion or fraud with any other person. As used in this certification, the word "person" shall mean any natural person, business, joint ventures, partnership, corporation, union, committee, club, or other organization, entity or group of individuals.

Name of Bidder

R. M. Pacella, Inc.

Address of Bidder

3 Madison Street, Plainville, Massachusetts 02762-1318

By:

Signature

Richard M. Pacella, Jr., President

December 18, 2019

Printed Name

Printed Title

Date

Town of Natick

Proposed Roadway Improvements to South Main Street

TAX COMPLIANCE CERTIFICATION

Pursuant to M.G.L. c.62C, Section 49A, the undersigned hereby certifies under penalty of perjury that the Bidder has complied with all laws of the Commonwealth of Massachusetts relating to the payment of taxes, to the reporting of employees and contractors, and to the withholding and remitting of child support.

Name of Bidder R. M. Pacella, Inc.

Address of Bidder 3 Madison Street, Plainville, Massachusetts 02762-1318

By:

Signature

Printed Name Richard M. Pacella, Jr.

Printed Title President

Date December 18, 2019

CONFLICT OF INTEREST CERTIFICATION

The Bidder named below hereby certifies that:

1. The Bidder has not given, offered, or agreed to give any gift, contribution, or, offer of employment as an inducement for, or in connection with, the award of a contract for these services.
2. No consultant to, or, subcontractor for the Bidder has given, offered, or agreed to give any gift, contribution, or, offer of employment to the Bidder, or, to any other person, corporation, or entity as an inducement for, or, in connection with, the award to the consultant or subcontractor of a contract by the Bidder.
3. No person, corporation, or, other entity, other than a bona fide full time employee of the Bidder has been retained or hired to solicit for or in any way assist the Bidder in obtaining the contract for services upon an agreement or understanding that such person, corporation, or entity be paid a fee or other compensation contingent upon the award of the contract to the Bidder.
4. The Massachusetts Conflict of Interest Law, Chapter 268A of the Massachusetts General Laws, applies to the Bidder with respect to the services outlined in the Project Manual.
5. Bidder, its officers, employees, agents, subcontractors and affiliated agencies, shall not participate in any activity which constitutes a violation of the Massachusetts Conflict of Interest Law or which creates an appearance of a violation of the Massachusetts Conflict of Interest Law.

Name of Bidder R. M. Pacella, Inc.

Address of Bidder 3 Madison Street, Plainville, Massachusetts 02762-1318

By:

Signature

Richard M. Pacella, Jr., President

December 18, 2019

Printed Name

Printed Title

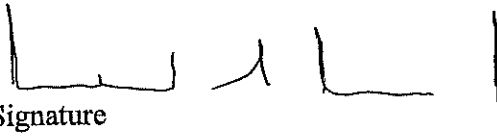
Date

CERTIFICATE AS TO CORPORATE BIDDER

I, Richard M. Pacella, Jr. certify that I am the Clerk of the corporation named as Bidder in the Bid included herein; that Richard M. Pacella, Jr., who signed said Bid on behalf of the Bidder was then President of said corporation; that I know his signature; that his signature thereon is genuine and that said Bid was duly signed, sealed and executed for and in behalf of said corporation by authority of its governing body.

(Corporate Seal)

Name of Bidder R. M. Pacella, Inc.Address of Bidder 3 Madison Street, Plainville, Massachusetts 02762-1318Telephone Number 508-695-5100

By: 
Signature

Richard M. Pacella, Jr., PresidentDecember 18, 2019

Printed Name

Printed Title

Date

This Certificate shall be completed where Bidder is a Corporation and shall be so completed by its Clerk. In the event that the Clerk is the person signing the Bidder on behalf of the Corporation, this certificate shall be completed by another office of the Corporation.

Town of Natick

Proposed Roadway Improvements to South Main Street

CERTIFICATE OF COMPLIANCE WITH M.G.L., C.151B

The Bidder hereby certifies that it is in compliance with and shall remain in compliance with Massachusetts General Laws (M.G.L.) Chapter 151B and shall not discriminate on any prohibited basis outlined herein.

Name of Bidder R. M. Pacella, Inc.

Address of Bidder 3 Madison Street, Plainville, Massachusetts 02762-1318

Telephone Number 508-695-5100

By:


Signature

Richard M. Pacella, Jr., President

December 18, 2019

Printed Name

Printed Title

Date

CERTIFICATE OF NON-DEBARMENT

The undersigned further certifies under penalty of perjury that the said undersigned is not presently debarred from doing public construction work in the Commonwealth under the provisions of section twenty-nine F of chapter twenty-nine or any other applicable debarment provisions of any other chapter of the General Law or any rule or regulation promulgated thereunder.

(Company Name) R. M. Pacella, Inc.

(Signature title) President

Name of Bidder R. M. Pacella, Inc.

Address of Bidder 3 Madison Street, Plainville, Massachusetts 02762-1318

By:

Signature

Richard M. Pacella, Jr., President

December 18, 2019

Printed Name

Printed Title

Date

Town of Natick

Proposed Roadway Improvements to South Main Street

CERTIFICATE OF FOREIGN CORPORATION

If the Bidder is a foreign corporation, by affixing his or her signature, the Bidder certifies that the corporation is qualified under provision of MGL C181, Section 4, or otherwise, to do business in the Commonwealth of Massachusetts.

Name of Bidder R. M. Pacella, Inc.

Address of Bidder 3 Madison Street, Plainville, Massachusetts 02762-1318

By:

Signature



Richard M. Pacella, Jr., President

December 18, 2019

Printed Name

Printed Title

Date

If awarded the Contract, the Contractor shall provide with his agreement package, a certificate from the Secretary of the Commonwealth of Massachusetts that the corporation is qualified under provisions of MGL c181, Section 4, to do business in the Commonwealth.

CONTRACT INSURANCE REQUIREMENTS

The undersigned certifies that he/she is aware of the insurance requirements of this Contract and he/she is willing and able to furnish the required insurance as specified, and that this Bid is prepared on the basis of compliance with these requirements.

Name of Bidder R. M. Pacella, Inc.

Address of Bidder 3 Madison Street, Plainville, Massachusetts 02762-1318

By:

Signature



Richard M. Pacella, Jr., President

December 18, 2019

Printed Name

Printed Title

Date

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION CERTIFICATION

The undersigned agrees that if he is selected as the contractor, he shall comply with the provisions of M.G.L. Chapter 30, Section 39S.

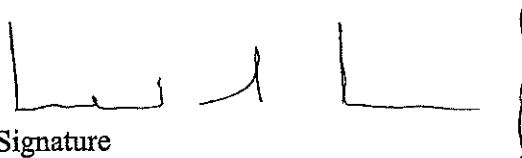
The undersigned certifies, under penalties of perjury, that he is able to furnish labor that can work in harmony with all other elements of labor employed or to be employed in the work; that all employees to be employed at the worksite shall have successfully completed a course in construction safety and health approved by the United States Occupational Safety and Health Administration that is at least ten (10) hours in duration at the time the employee begins work and who shall furnish documentation of successful completion of said course with the first certified payroll report for each employee; and that all employees to be employed in the work subject to this Bid have successfully completed a course in construction safety and health approved by the United States Occupational Safety and Health Administration that is at least ten (10) hours in duration.

Name of Bidder R. M. Pacella, Inc.

Address of Bidder 3 Madison Street, Plainville, Massachusetts 02762-1318

By:

Signature



Richard M. Pacella, Jr., President

December 18, 2019

Printed Name

Printed Title

Date

BID BOND

Document A310™ – 2010

Conforms with The American Institute of Architects AIA Document 310

CONTRACTOR:

(Name, legal status and address)
R.M. Pacella, Inc.

3 Madison Street
Plainville, MA 02762

SURETY:

(Name, legal status and principal place of business)

Western Surety Company

151 North Franklin St.
Chicago, IL 60606

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

OWNER:

(Name, legal status and address)

The Massachusetts Department of Transportation - Highway Division
Commonwealth of Massachusetts
MA

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

BOND AMOUNT: \$ Five Percent of the Attached bid (5%)

PROJECT:

(Name, location or address, and Project number, if any)

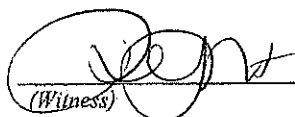
Improvements to South Main Street in the Town of Natick; Project #17008

The Contractor and Surety are bound to the Owner in the amount set forth above, for the payment of which the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, as provided herein. The conditions of this Bond are such that if the Owner accepts the bid of the Contractor within the time specified in the bid documents, or within such time period as may be agreed to by the Owner and Contractor, and the Contractor either (1) enters into a contract with the Owner in accordance with the terms of such bid, and gives such bond or bonds as may be specified in the bidding or Contract Documents, with a surety admitted in the jurisdiction of the Project and otherwise acceptable to the Owner, for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof; or (2) pays to the Owner the difference, not to exceed the amount of this Bond, between the amount specified in said bid and such larger amount for which the Owner may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect. The Surety hereby waives any notice of an agreement between the Owner and Contractor to extend the time in which the Owner may accept the bid. Waiver of notice by the Surety shall not apply to any extension exceeding sixty (60) days in the aggregate beyond the time for acceptance of bids specified in the bid documents, and the Owner and Contractor shall obtain the Surety's consent for an extension beyond sixty (60) days.

If this Bond is issued in connection with a subcontractor's bid to a Contractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

When this Bond has been furnished to comply with a statutory or other legal requirement in the location of the Project, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

Signed and sealed this 18th day of December, 2019


(Witness)

R.M. Pacella, Inc.

(Principal)

(Seal)

(Title)

Richard M. Pacella, Jr., President

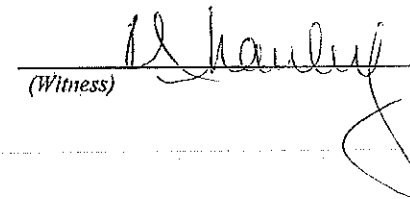
Western Surety Company

(Surety)

(Seal)

(Title)

Adam W. DeSanctis, Attorney-in-Fact


(Witness)

Western Surety Company

POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That WESTERN SURETY COMPANY, a South Dakota corporation, is a duly organized and existing corporation having its principal office in the City of Sioux Falls, and State of South Dakota, and that it does by virtue of the signature and seal herein affixed hereby make, constitute and appoint

Gregory D Juwa, Richard F Caruso, James J Axon, Michael F Carney, Wilder Parks Jr, Michael T Gilbert, Adam W DeSanctis, Christine B Gallagher, Bryan F Juwa, Paul A Patalano, David A Boutiette, Rebecca Shanley, Jonathan E Duggan, Jordan J Tirone, Individually

of Woburn, MA, its true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on its behalf bonds, undertakings and other obligatory instruments of similar nature

- In Unlimited Amounts -

and to bind it thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of the corporation and all the acts of said Attorney, pursuant to the authority hereby given, are hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the By-Law printed on the reverse hereof, duly adopted, as indicated, by the shareholders of the corporation.

In Witness Whereof, WESTERN SURETY COMPANY has caused these presents to be signed by its Vice President and its corporate seal to be hereto affixed on this 10th day of April, 2019.



WESTERN SURETY COMPANY

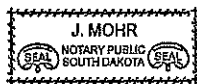
Paul T. Bruflat, Vice President

State of South Dakota }
County of Minnehaha } ss

On this 10th day of April, 2019, before me personally came Paul T. Bruflat, to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is the Vice President of WESTERN SURETY COMPANY described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed pursuant to authority given by the Board of Directors of said corporation and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said corporation.

My commission expires

June 23, 2021



J. Mohr, Notary Public

CERTIFICATE

I, L. Nelson, Assistant Secretary of WESTERN SURETY COMPANY do hereby certify that the Power of Attorney hereinabove set forth is still in force, and further certify that the By-Law of the corporation printed on the reverse hereof is still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said corporation this 18th day of December, 2019.



WESTERN SURETY COMPANY

L. Nelson, Assistant Secretary

To: All Prospective Bidders
From: Bryan R. Le Blanc
Procurement Officer
Natick Public Works
75 West Street
Natick, MA 01760
(508) 647-6438
Date: December 16, 2019
Project: Proposed Roadway Improvements to South Main Street
Subject: Addendum No. 2

Addendum No. 2:

Please refer to the following twenty one (21) pages which comprise Addendum No. 2.

NOTE:

All contractors must acknowledge receipt of this response to questions and Addendum No. 2 via return correspondence upon receipt. Please include company name and contact person and information.

ADDENDUM NO. 2

The following modifications are to be incorporated into the Contract Documents for the Proposed Roadway Improvements to South Main Street project. The Bid Opening Date and Time will not change.

1. **Delete** Pages 00300-3 to 00300-22, inclusive in their entirety and replace with pages 00300-3 to 00300-22, inclusive included with this Addendum No. 2. Item 999.001 Police Detail was revised to be included as an allowance.

Town of Natick

Proposed Roadway Improvements to South Main Street

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
101	0.25 A	CLEARING AND GRUBBING _____ Dollars and _____ cents (\$_____)	\$_____
102.1	750 FT	TREE TRIMMING _____ Dollars and _____ cents (\$_____)	\$_____
102.51	17 EA	INDIVIDUAL TREE PROTECTION _____ Dollars and _____ cents (\$_____)	\$_____
103	2 EA	TREE REMOVED - DIAMETER UNDER 24 INCHES _____ Dollars and _____ cents (\$_____)	\$_____
104	3 EA	TREE REMOVED - DIAMETER 24 INCHES AND OVER _____ Dollars and _____ cents (\$_____)	\$_____
105	4 EA	STUMP REMOVED _____ Dollars and _____ cents (\$_____)	\$_____
120	8550 CY	EARTH EXCAVATION _____ Dollars and _____ cents (\$_____)	\$_____
121	125 CY	CLASS A ROCK EXCAVATION _____ Dollars and _____ cents (\$_____)	\$_____
141.1	75 CY	TEST PIT FOR EXPLORATION _____ Dollars and _____ cents (\$_____)	\$_____

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
144	200 CY	CLASS B ROCK EXCAVATION _____ Dollars and _____ cents (\$_____)	\$_____
146	50 EA	DRAINAGE STRUCTURE REMOVED _____ Dollars and _____ cents (\$_____)	\$_____
151	3600 CY	GRAVEL BORROW _____ Dollars and _____ cents (\$_____)	\$_____
156	390 TON	CRUSHED STONE _____ Dollars and _____ cents (\$_____)	\$_____
170	10400 SY	FINE GRADING AND COMPACTING - SUBGRADE AREA _____ Dollars and _____ cents (\$_____)	\$_____
201	39 EA	CATCH BASIN _____ Dollars and _____ cents (\$_____)	\$_____
201.7	5 EA	DOUBLE GRATE CATCH BASIN _____ Dollars and _____ cents (\$_____)	\$_____
202	22 EA	MANHOLE _____ Dollars and _____ cents (\$_____)	\$_____
202.5	11 EA	MANHOLE (5 FOOT DIAMETER) _____ Dollars and _____ cents (\$_____)	\$_____

ADDENDUM NO. 2

Town of Natick

Proposed Roadway Improvements to South Main Street

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
202.8	10 EA	MANHOLE WITH DEEP SUMP ____ Dollars and ____ cents (\$____)	\$____
204.	8 EA	GUTTER INLET ____ Dollars and ____ cents (\$____)	\$____
204.1	13 EA	DOUBLE GRATE GUTTER INLET ____ Dollars and ____ cents (\$____)	\$____
204.11	13 EA	GUTTER INLET - SPECIAL ____ Dollars and ____ cents (\$____)	\$____
220	31 EA	DRAINAGE STRUCTURE ADJUSTED ____ Dollars and ____ cents (\$____)	\$____
220.3	11 EA	DRAINAGE STRUCTURE CHANGE IN TYPE ____ Dollars and ____ cents (\$____)	\$____
220.5	6 EA	DRAINAGE STRUCTURE REMODELED ____ Dollars and ____ cents (\$____)	\$____
220.7	31 EA	SANITARY STRUCTURE ADJUSTED ____ Dollars and ____ cents (\$____)	\$____
220.8	4 EA	SANITARY STRUCTURE REMODELED ____ Dollars and ____ cents (\$____)	\$____

Town of Natick

ADDENDUM NO. 2
Proposed Roadway Improvements to South Main Street

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
221.2	3 EA	CURB COVER AND FRAME ____ Dollars and ____ cents (\$____)	\$____
222.3	132 EA	FRAME AND GRATE (OR COVER) MUNICIPAL STANDARD ____ Dollars and ____ cents (\$____)	\$____
222.5	13 EA	4 INCH FRAME AND GRATE- HEAVY DUTY ____ Dollars and ____ cents (\$____)	\$____
223.2	49 EA	FRAME AND GRATE (OR COVER) REMOVED AND DISCARDED ____ Dollars and ____ cents (\$____)	\$____
224.12	44 EA	12 INCH HOOD ____ Dollars and ____ cents (\$____)	\$____
238.12	770 FT	12 INCH DUCTILE IRON PIPE ____ Dollars and ____ cents (\$____)	\$____
238.16	50 FT	16 INCH DUCTILE IRON PIPE ____ Dollars and ____ cents (\$____)	\$____
238.24	20 FT	24 INCH DUCTILE IRON PIPE ____ Dollars and ____ cents (\$____)	\$____
241.12	1075 FT	12 INCH REINFORCED CONCRETE PIPE ____ Dollars and ____ cents (\$____)	\$____

Town of Natick

Proposed Roadway Improvements to South Main Street

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
250.06	30 FT	6 INCH POLYVINYL CHLORIDE SANITARY SEWER PIPE ____ Dollars and ____ cents (\$____)	\$____
268	2 EA	6 INCH SUBDRAIN CLEANOUT ____ Dollars and ____ cents (\$____)	\$____
269.06	340 FT	6 INCH SLOT-PERFORATED CORRUGATED PLASTIC PIPE (SUBDRAIN) ____ Dollars and ____ cents (\$____)	\$____
357	9 EA	GATE BOX ____ Dollars and ____ cents (\$____)	\$____
358	42 EA	GATE BOX ADJUSTED ____ Dollars and ____ cents (\$____)	\$____
381.01	12 EA	SERVICE BOX (MUNICIPAL STANDARD) ____ Dollars and ____ cents (\$____)	\$____
381.3	48 EA	SERVICE BOX ADJUSTED ____ Dollars and ____ cents (\$____)	\$____
403.	18750 SY	RECLAIMED PAVEMENT FOR BASE COURSE AND/OR SUB-BASE ____ Dollars and ____ cents (\$____)	\$____
403.1	325 TON	CRUSHED STONE FOR BLENDING ____ Dollars and ____ cents (\$____)	\$____

Town of Natick

Proposed Roadway Improvements to South Main Street

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
241.18	850 FT	18 INCH REINFORCED CONCRETE PIPE ____ Dollars and ____ cents (\$____)	\$____
241.24	150 FT	24 INCH REINFORCED CONCRETE PIPE ____ Dollars and ____ cents (\$____)	\$____
241.3	10 FT	30 INCH REINFORCED CONCRETE PIPE ____ Dollars and ____ cents (\$____)	\$____
241.36	15 FT	36 INCH REINFORCED CONCRETE PIPE ____ Dollars and ____ cents (\$____)	\$____
243.12	200 FT	12 INCH REINFORCED CONCRETE PIPE CLASS IV ____ Dollars and ____ cents (\$____)	\$____
244.12	50 FT	12 INCH REINFORCED CONCRETE PIPE CLASS V ____ Dollars and ____ cents (\$____)	\$____
244.18	180 FT	18 INCH REINFORCED CONCRETE PIPE CLASS V ____ Dollars and ____ cents (\$____)	\$____
244.24	40 FT	24 INCH REINFORCED CONCRETE PIPE CLASS V ____ Dollars and ____ cents (\$____)	\$____

Town of Natick

Proposed Roadway Improvements to South Main Street

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
415	2040 SY	PAVEMENT MICROMILLING _____ Dollars and _____ cents (\$_____)	\$_____
443	230 MGL	WATER FOR ROADWAY DUST CONTROL _____ Dollars and _____ cents (\$_____)	\$_____
452	4025 GAL	ASPHALT EMULSION FOR TACK COAT _____ Dollars and _____ cents (\$_____)	\$_____
453	1150 FT	HMA JOINT SEALANT _____ Dollars and _____ cents (\$_____)	\$_____
460	8750 TON	HOT MIX ASPHALT _____ Dollars and _____ cents (\$_____)	\$_____
470.2	450 FT	HOT MIX ASPHALT BERM, TYPE A - MODIFIED _____ Dollars and _____ cents (\$_____)	\$_____
472	190 TON	ASPHALT MIXTURES FOR TEMPORARY WORK _____ Dollars and _____ cents (\$_____)	\$_____
504	270 FT	GRANITE CURB TYPE VA4 - STRAIGHT _____ Dollars and _____ cents (\$_____)	\$_____
504.1	450 FT	GRANITE CURB TYPE VA4 - CURVED _____ Dollars and _____ cents (\$_____)	\$_____

Town of Natick

Proposed Roadway Improvements to South Main Street

ADDENDUM NO. 2

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
506	300 FT	GRANITE CURB TYPE VB - STRAIGHT _____ Dollars and _____ cents (\$_____)	\$_____
506.1	80 FT	GRANITE CURB TYPE VB - CURVED _____ Dollars and _____ cents (\$_____)	\$_____
509	1300 FT	GRANITE TRANSITION CURB FOR WHEELCHAIR RAMPS - STRAIGHT _____ Dollars and _____ cents (\$_____)	\$_____
509.1	180 FT	GRANITE TRANSITION CURB FOR WHEELCHAIR RAMPS - CURVED _____ Dollars and _____ cents (\$_____)	\$_____
510	90 FT	GRANITE EDGING TYPE SA _____ Dollars and _____ cents (\$_____)	\$_____
510.1	18 FT	GRANITE EDGING TYPE SA (RADIUS 10 FEET OR LESS) _____ Dollars and _____ cents (\$_____)	\$_____
514	9 EA	GRANITE CURB INLET - STRAIGHT _____ Dollars and _____ cents (\$_____)	\$_____
514.1	5 EA	GRANITE CURB INLET DOUBLE WIDE - STRAIGHT _____ Dollars and _____ cents (\$_____)	\$_____

Town of Natick

Proposed Roadway Improvements to South Main Street

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
580	7020 FT	CURB REMOVED AND RESET _____ Dollars and _____ cents (\$_____)	\$_____
581	28 EA	CURB INLET REMOVED AND RESET _____ Dollars and _____ cents (\$_____)	\$_____
582	1 EA	CURB CORNER REMOVED AND RESET _____ Dollars and _____ cents (\$_____)	\$_____
594	2450 FT	CURB REMOVED AND DISCARDED _____ Dollars and _____ cents (\$_____)	\$_____
620.13	475 FT	GUARDRAIL, TL-3 (SINGLE FACED) _____ Dollars and _____ cents (\$_____)	\$_____
620.33	63 FT	GUARDRAIL - CURVED, TL-3 (SINGLE FACED) _____ Dollars and _____ cents (\$_____)	\$_____
627.1	1 EA	TRAILING ANCHORAGE _____ Dollars and _____ cents (\$_____)	\$_____
627.93	1 EA	GUARDRAIL FLARED END TREATMENT, TL-3 _____ Dollars and _____ cents (\$_____)	\$_____
628.21	6 EA	TRANSITION TO NCHRP 350 GUARDRAIL _____ Dollars and _____ cents (\$_____)	\$_____

Town of Natick

Proposed Roadway Improvements to South Main Street

ADDENDUM NO. 2

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
630	1800 FT	HIGHWAY GUARD REMOVED AND RESET ____ Dollars and ____ cents (\$____)	\$____
630.2	400 FT	HIGHWAY GUARD REMOVED AND DISCARDED ____ Dollars and ____ cents (\$____)	\$____
634	10 EA	W BEAM GUARD PANEL ____ Dollars and ____ cents (\$____)	\$____
669	25 FT	FENCE REMOVED AND STACKED ____ Dollars and ____ cents (\$____)	\$____
670	570 FT	FENCE REMOVED AND RESET ____ Dollars and ____ cents (\$____)	\$____
685	80 CY	STONE MASONRY WALL IN CEMENT MORTAR ____ Dollars and ____ cents (\$____)	\$____
697.11	120 EA	INLET SEDIMENT FILTER BAG ____ Dollars and ____ cents (\$____)	\$____
698.4	2400 SY	GEOTEXTILE FABRIC FOR PERMANENT EROSION CONTROL ____ Dollars and ____ cents (\$____)	\$____

ADDENDUM NO. 2

Town of Natick

Proposed Roadway Improvements to South Main Street

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
701	100 SY	CEMENT CONCRETE SIDEWALK _____ Dollars and _____ cents (\$_____)	\$_____
701.2	320 SY	CEMENT CONCRETE WHEELCHAIR RAMP _____ Dollars and _____ cents (\$_____)	\$_____
702	550 TON	HOT MIX ASPHALT WALK SURFACE _____ Dollars and _____ cents (\$_____)	\$_____
703	375 TON	HOT MIX ASPHALT DRIVEWAY _____ Dollars and _____ cents (\$_____)	\$_____
703.9	525 SF	IMPRINTED CROSSWALK _____ Dollars and _____ cents (\$_____)	\$_____
704.2	10 SY	GRAVEL FOR DRIVEWAYS _____ Dollars and _____ cents (\$_____)	\$_____
705.1	1 SY	FLAGSTONE WALK REMOVED AND RESET _____ Dollars and _____ cents (\$_____)	\$_____
706.1	10 SY	BRICK WALK REMOVED AND RELAID _____ Dollars and _____ cents (\$_____)	\$_____
710.4	3 EA	BOUND - PLAIN GRANITE _____ Dollars and _____ cents (\$_____)	\$_____

Town of Natick

Proposed Roadway Improvements to South Main Street

ADDENDUM NO. 2

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
711	11 EA	BOUND REMOVED AND RESET _____ Dollars and _____ cents (\$_____)	\$_____
715	21 EA	RURAL MAIL BOX REMOVED AND RESET _____ Dollars and _____ cents (\$_____)	\$_____
751	525 CY	LOAM BORROW _____ Dollars and _____ cents (\$_____)	\$_____
756	1 LS	NPDES STORMWATER POLLUTION PREVENTION PLAN _____ Dollars and _____ cents (\$_____)	\$_____
765	4700 SY	SEEDING _____ Dollars and _____ cents (\$_____)	\$_____
767.122	27 LF	FILTER TUBE _____ Dollars and _____ cents (\$_____)	\$_____
767.2	4700 SY	HAY MULCH _____ Dollars and _____ cents (\$_____)	\$_____
767.6	15 CY	AGED PINE BARK MULCH _____ Dollars and _____ cents (\$_____)	\$_____
769	2250 FT	PAVEMENT MILLING MULCH UNDER GUARD RAIL _____ Dollars and _____ cents (\$_____)	\$_____

Town of Natick

Proposed Roadway Improvements to South Main Street

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
804.3	210 FT	3 INCH ELECTRICAL CONDUIT TYPE NM - PLASTIC -(UL) ____ Dollars and ____ cents (\$____)	\$____
811.31	6 EA	PULL BOX 12 X 12 INCHES - SD2.031 ____ Dollars and ____ cents (\$____)	\$____
815.11	2 EA	FLASHING BEACON SCHOOL ZONE SIGN (SOLAR) ____ Dollars and ____ cents (\$____)	\$____
815.13	4 EA	LED ILLUMINATED SIGN AND POST (SOLAR) ____ Dollars and ____ cents (\$____)	\$____
815.15	3 EA	RECTANGULAR RAPID FLASHING BEACON SYSTEM (AC) ____ Dollars and ____ cents (\$____)	\$____
832	274 SF	WARNING-REGULATORY AND ROUTE MARKER - ALUMINUM PANEL (TYPE A) ____ Dollars and ____ cents (\$____)	\$____
833.5	105 EA	DEMOUNTABLE REFLECTORIZED DELINEATOR - GUARD RAIL ____ Dollars and ____ cents (\$____)	\$____
833.7	6 EA	DELINEATION FOR GUARD RAIL TERMINI ____ Dollars and ____ cents (\$____)	\$____

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
847.1	48 EA	SIGN SUP (N/GUIDE)+ RTE MKR W/1 BRKWAY POST ASSEMBLY - STEEL ____ Dollars and ____ cents (\$_____)	\$_____
851.2	1 LS	TRAFFIC CONTROLS FOR CONSTRUCTION ____ Dollars and ____ cents (\$_____)	\$_____
854.014	50000 FT	TEMPORARY PAVING MARKINGS - 4 INCH (PAINT) ____ Dollars and ____ cents (\$_____)	\$_____
854.018	912 FT	TEMPORARY PAVING MARKINGS - 8 INCH (PAINT) ____ Dollars and ____ cents (\$_____)	\$_____
854.112	7000 FT	TEMPORARY PAVING MARKINGS - 12 INCH (PAINT) ____ Dollars and ____ cents (\$_____)	\$_____
860.104	12500 FT	4 INCH REFLECTORIZED WHITE LINE (PAINTED) ____ Dollars and ____ cents (\$_____)	\$_____
860.108	75 FT	8 INCH REFLECTORIZED WHITE LINE (PAINTED) ____ Dollars and ____ cents (\$_____)	\$_____

Town of Natick

Proposed Roadway Improvements to South Main Street

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
860.112	3150 FT	12 INCH REFLECTORIZED WHITE LINE (PAINTED) ____ Dollars and ____ cents (\$____)	\$____
861.104	12150 FT	4 INCH REFLECTORIZED YELLOW LINE (PAINTED) ____ Dollars and ____ cents (\$____)	\$____
861.108	330 FT	8 INCH REFLECTORIZED YELLOW LINE (PAINTED) ____ Dollars and ____ cents (\$____)	\$____
864	35 SF	PAVEMENT ARROW REFLECTORIZED WHITE (PAINTED) ____ Dollars and ____ cents (\$____)	\$____
864.12	2300 SF	GREEN ROADWAY SHOULDER PAVEMENT MARKING ____ Dollars and ____ cents (\$____)	\$____
874	18 EA	STREET NAME SIGN ____ Dollars and ____ cents (\$____)	\$____
874.2	1 EA	TRAFFIC SIGN REMOVED AND RESET ____ Dollars and ____ cents (\$____)	\$____
874.4	78 EA	TRAFFIC SIGN REMOVED AND STACKED ____ Dollars and ____ cents (\$____)	\$____

Town of Natick

Proposed Roadway Improvements to South Main Street

ADDENDUM NO. 2

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
877.2	41 EA	SIGN POST REMOVED AND STACKED ____ Dollars and ____ cents (\$ _____)	\$ _____
999.001	3840 HR	POLICE DETAIL ____ FIFTY FIVE ____ Dollars and ____ ZERO ____ cents (\$ ____ 55.00 ____)	\$ ____ 211,200.00 ____
TOTAL BASE BID ____ Dollars and ____ cents (\$ _____)			\$ _____

Town of Natick

Proposed Roadway Improvements to South Main Street

ADD ALTERNATE NO. 1:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
101	0.13 A	CLEARING AND GRUBBING _____ Dollars and _____ cents (\$ _____)	\$ _____
102.1	105 FT	TREE TRIMMING _____ Dollars and _____ cents (\$ _____)	\$ _____
105	29 EA	STUMP REMOVED _____ Dollars and _____ cents (\$ _____)	\$ _____
120	1050 CY	EARTH EXCAVATION _____ Dollars and _____ cents (\$ _____)	\$ _____
121	40 CY	CLASS A ROCK EXCAVATION _____ Dollars and _____ cents (\$ _____)	\$ _____
144	25 CY	CLASS B ROCK EXCAVATION _____ Dollars and _____ cents (\$ _____)	\$ _____
151	432 CY	GRAVEL BORROW _____ Dollars and _____ cents (\$ _____)	\$ _____
170	1300 SY	FINE GRADING AND COMPACTING -- SUBGRADE AREA _____ Dollars and _____ cents (\$ _____)	\$ _____

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
509	270 FT	GRANITE TRANSITION CURB FOR WHEELCHAIR RAMPS - STRAIGHT ____ Dollars and ____ cents (\$ _____)	\$ _____
509.1	90 FT	GRANITE TRANSITION CURB FOR WHEELCHAIR RAMPS - CURVED ____ Dollars and ____ cents (\$ _____)	\$ _____
685	155 CY	STONE MASONRY WALL IN CEMENT MORTAR ____ Dollars and ____ cents (\$ _____)	\$ _____
698.4	2850 SY	GEOTEXTILE FABRIC FOR PERMANENT EROSION CONTROL ____ Dollars and ____ cents (\$ _____)	\$ _____
701.2	180 SY	CEMENT CONCRETE WHEELCHAIR RAMP ____ Dollars and ____ cents (\$ _____)	\$ _____
702	156 TON	HOT MIX ASPHALT WALK SURFACE ____ Dollars and ____ cents (\$ _____)	\$ _____
703	42 TON	HOT MIX ASPHALT DRIVEWAY ____ Dollars and ____ cents (\$ _____)	\$ _____
703.9	295 SF	IMPRINTED CROSSWALK ____ Dollars and ____ cents (\$ _____)	\$ _____

Town of Natick

Proposed Roadway Improvements to South Main Street

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
751	214 CY	LOAM BORROW _____ Dollars and _____ cents (\$ _____)	\$ _____
765	1050 SY	SEEDING _____ Dollars and _____ cents (\$ _____)	\$ _____
767.2	1050 SY	HAY MULCH _____ Dollars and _____ cents (\$ _____)	\$ _____
815.14	2 EA	RECTANGULAR RAPID FLASHING BEACON SYSTEM (SOLAR) _____ Dollars and _____ cents (\$ _____)	\$ _____
832	9 SF	WARNING - REGULATORY AND ROUTE MARKER - ALUMINUM PANEL (TYPE A) _____ Dollars and _____ cents (\$ _____)	\$ _____
847.1	1 EA	SIGN SUP (N/GUIDE)+RTE MKR W/1 BRKWAY POST ASSEMBLY - STEEL _____ Dollars and _____ cents (\$ _____)	\$ _____
860.112	1116 FT	12 INCH REFLECTOIZED WHITE LINE (PAINTED) _____ Dollars and _____ cents (\$ _____)	\$ _____

Town of Natick

Proposed Roadway Improvements to South Main Street

ADDENDUM NO. 2

TOTAL BID INCLUSIVE OF ADD ALTERNATE NO. 1:

TOTAL BID

_____ Dollars and

_____ cents (\$

)

\$

To: All Prospective Bidders
From: Bryan R. Le Blanc
Procurement Officer
Natick Public Works
75 West Street
Natick, MA 01760
(508) 647-6438
Date: December 16, 2019
Project: Proposed Roadway Improvements to South Main Street
Subject: Addendum No. 2

Addendum No. 2:

Please refer to the following twenty one (21) pages which comprise Addendum No. 2.

NOTE:

All contractors must acknowledge receipt of this response to questions and Addendum No. 2 via return correspondence upon receipt. Please include company name and contact person and information.

ADDENDUM NO. 2

The following modifications are to be incorporated into the Contract Documents for the Proposed Roadway Improvements to South Main Street project. The Bid Opening Date and Time will not change.

1. **Delete** Pages 00300-3 to 00300-22, inclusive in their entirety and replace with pages 00300-3 to 00300-22, inclusive included with this Addendum No. 2. Item 999.001 Police Detail was revised to be included as an allowance.

Town of Natick

Proposed Roadway Improvements to South Main Street

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
101	0.25 A	CLEARING AND GRUBBING _____ Dollars and _____ cents (\$_____)	\$_____
102.1	750 FT	TREE TRIMMING _____ Dollars and _____ cents (\$_____)	\$_____
102.51	17 EA	INDIVIDUAL TREE PROTECTION _____ Dollars and _____ cents (\$_____)	\$_____
103	2 EA	TREE REMOVED - DIAMETER UNDER 24 INCHES _____ Dollars and _____ cents (\$_____)	\$_____
104	3 EA	TREE REMOVED - DIAMETER 24 INCHES AND OVER _____ Dollars and _____ cents (\$_____)	\$_____
105	4 EA	STUMP REMOVED _____ Dollars and _____ cents (\$_____)	\$_____
120	8550 CY	EARTH EXCAVATION _____ Dollars and _____ cents (\$_____)	\$_____
121	125 CY	CLASS A ROCK EXCAVATION _____ Dollars and _____ cents (\$_____)	\$_____
141.1	75 CY	TEST PIT FOR EXPLORATION _____ Dollars and _____ cents (\$_____)	\$_____

Town of Natick

ADDENDUM NO. 2
Proposed Roadway Improvements to South Main Street

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
144	200 CY	CLASS B ROCK EXCAVATION ____ Dollars and ____ cents (\$ _____)	\$ _____
146	50 EA	DRAINAGE STRUCTURE REMOVED ____ Dollars and ____ cents (\$ _____)	\$ _____
151	3600 CY	GRAVEL BORROW ____ Dollars and ____ cents (\$ _____)	\$ _____
156	390 TON	CRUSHED STONE ____ Dollars and ____ cents (\$ _____)	\$ _____
170	10400 SY	FINE GRADING AND COMPACTING - SUBGRADE AREA ____ Dollars and ____ cents (\$ _____)	\$ _____
201	39 EA	CATCH BASIN ____ Dollars and ____ cents (\$ _____)	\$ _____
201.7	5 EA	DOUBLE GRATE CATCH BASIN ____ Dollars and ____ cents (\$ _____)	\$ _____
202	22 EA	MANHOLE ____ Dollars and ____ cents (\$ _____)	\$ _____
202.5	11 EA	MANHOLE (5 FOOT DIAMETER) ____ Dollars and ____ cents (\$ _____)	\$ _____

Town of Natick

Proposed Roadway Improvements to South Main Street

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
202.8	10 EA	MANHOLE WITH DEEP SUMP _____ Dollars and _____ cents (\$_____)	\$_____
204.	8 EA	GUTTER INLET _____ Dollars and _____ cents (\$_____)	\$_____
204.1	13 EA	DOUBLE GRATE GUTTER INLET _____ Dollars and _____ cents (\$_____)	\$_____
204.11	13 EA	GUTTER INLET - SPECIAL _____ Dollars and _____ cents (\$_____)	\$_____
220	31 EA	DRAINAGE STRUCTURE ADJUSTED _____ Dollars and _____ cents (\$_____)	\$_____
220.3	11 EA	DRAINAGE STRUCTURE CHANGE IN TYPE _____ Dollars and _____ cents (\$_____)	\$_____
220.5	6 EA	DRAINAGE STRUCTURE REMODELED _____ Dollars and _____ cents (\$_____)	\$_____
220.7	31 EA	SANITARY STRUCTURE ADJUSTED _____ Dollars and _____ cents (\$_____)	\$_____
220.8	4 EA	SANITARY STRUCTURE REMODELED _____ Dollars and _____ cents (\$_____)	\$_____

Town of Natick

ADDENDUM NO. 2
Proposed Roadway Improvements to South Main Street

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
221.2	3 EA	CURB COVER AND FRAME ____ Dollars and ____ cents (\$_____)	\$_____
222.3	132 EA	FRAME AND GRATE (OR COVER) MUNICIPAL STANDARD ____ Dollars and ____ cents (\$_____)	\$_____
222.5	13 EA	4 INCH FRAME AND GRATE- HEAVY DUTY ____ Dollars and ____ cents (\$_____)	\$_____
223.2	49 EA	FRAME AND GRATE (OR COVER) REMOVED AND DISCARDED ____ Dollars and ____ cents (\$_____)	\$_____
224.12	44 EA	12 INCH HOOD ____ Dollars and ____ cents (\$_____)	\$_____
238.12	770 FT	12 INCH DUCTILE IRON PIPE ____ Dollars and ____ cents (\$_____)	\$_____
238.16	50 FT	16 INCH DUCTILE IRON PIPE ____ Dollars and ____ cents (\$_____)	\$_____
238.24	20 FT	24 INCH DUCTILE IRON PIPE ____ Dollars and ____ cents (\$_____)	\$_____
241.12	1075 FT	12 INCH REINFORCED CONCRETE PIPE ____ Dollars and ____ cents (\$_____)	\$_____

11/27/2019

00300-6

Bid Form

Town of Natick

Proposed Roadway Improvements to South Main Street

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
241.18	850 FT	18 INCH REINFORCED CONCRETE PIPE _____ Dollars and _____ cents (\$_____)	\$_____
241.24	150 FT	24 INCH REINFORCED CONCRETE PIPE _____ Dollars and _____ cents (\$_____)	\$_____
241.3	10 FT	30 INCH REINFORCED CONCRETE PIPE _____ Dollars and _____ cents (\$_____)	\$_____
241.36	15 FT	36 INCH REINFORCED CONCRETE PIPE _____ Dollars and _____ cents (\$_____)	\$_____
243.12	200 FT	12 INCH REINFORCED CONCRETE PIPE CLASS IV _____ Dollars and _____ cents (\$_____)	\$_____
244.12	50 FT	12 INCH REINFORCED CONCRETE PIPE CLASS V _____ Dollars and _____ cents (\$_____)	\$_____
244.18	180 FT	18 INCH REINFORCED CONCRETE PIPE CLASS V _____ Dollars and _____ cents (\$_____)	\$_____
244.24	40 FT	24 INCH REINFORCED CONCRETE PIPE CLASS V _____ Dollars and _____ cents (\$_____)	\$_____

Town of Natick

Proposed Roadway Improvements to South Main Street

ADDENDUM NO. 2

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
250.06	30 FT	6 INCH POLYVINYL CHLORIDE SANITARY SEWER PIPE ____ Dollars and ____ cents (\$____)	\$____
268	2 EA	6 INCH SUBDRAIN CLEANOUT ____ Dollars and ____ cents (\$____)	\$____
269.06	340 FT	6 INCH SLOT-PERFORATED CORRUGATED PLASTIC PIPE (SUBDRAIN) ____ Dollars and ____ cents (\$____)	\$____
357	9 EA	GATE BOX ____ Dollars and ____ cents (\$____)	\$____
358	42 EA	GATE BOX ADJUSTED ____ Dollars and ____ cents (\$____)	\$____
381.01	12 EA	SERVICE BOX (MUNICIPAL STANDARD) ____ Dollars and ____ cents (\$____)	\$____
381.3	48 EA	SERVICE BOX ADJUSTED ____ Dollars and ____ cents (\$____)	\$____
403.	18750 SY	RECLAIMED PAVEMENT FOR BASE COURSE AND/OR SUB-BASE ____ Dollars and ____ cents (\$____)	\$____
403.1	325 TON	CRUSHED STONE FOR BLENDING ____ Dollars and ____ cents (\$____)	\$____

Town of Natick

Proposed Roadway Improvements to South Main Street

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
415	2040 SY	PAVEMENT MICROMILLING ____ Dollars and ____ cents (\$____)	\$____
443	230 MGL	WATER FOR ROADWAY DUST CONTROL ____ Dollars and ____ cents (\$____)	\$____
452	4025 GAL	ASPHALT EMULSION FOR TACK COAT ____ Dollars and ____ cents (\$____)	\$____
453	1150 FT	HMA JOINT SEALANT ____ Dollars and ____ cents (\$____)	\$____
460	8750 TON	HOT MIX ASPHALT ____ Dollars and ____ cents (\$____)	\$____
470.2	450 FT	HOT MIX ASPHALT BERM, TYPE A - MODIFIED ____ Dollars and ____ cents (\$____)	\$____
472	190 TON	ASPHALT MIXTURES FOR TEMPORARY WORK ____ Dollars and ____ cents (\$____)	\$____
504	270 FT	GRANITE CURB TYPE VA4 - STRAIGHT ____ Dollars and ____ cents (\$____)	\$____
504.1	450 FT	GRANITE CURB TYPE VA4 - CURVED ____ Dollars and ____ cents (\$____)	\$____

Town of Natick

Proposed Roadway Improvements to South Main Street

ADDENDUM NO. 2

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
506	300 FT	GRANITE CURB TYPE VB - STRAIGHT ____ Dollars and ____ cents (\$_____)	\$_____
506.1	80 FT	GRANITE CURB TYPE VB - CURVED ____ Dollars and ____ cents (\$_____)	\$_____
509	1300 FT	GRANITE TRANSITION CURB FOR WHEELCHAIR RAMPS - STRAIGHT ____ Dollars and ____ cents (\$_____)	\$_____
509.1	180 FT	GRANITE TRANSITION CURB FOR WHEELCHAIR RAMPS - CURVED ____ Dollars and ____ cents (\$_____)	\$_____
510	90 FT	GRANITE EDGING TYPE SA ____ Dollars and ____ cents (\$_____)	\$_____
510.1	18 FT	GRANITE EDGING TYPE SA (RADIUS 10 FEET OR LESS) ____ Dollars and ____ cents (\$_____)	\$_____
514	9 EA	GRANITE CURB INLET - STRAIGHT ____ Dollars and ____ cents (\$_____)	\$_____
514.1	5 EA	GRANITE CURB INLET DOUBLE WIDE - STRAIGHT ____ Dollars and ____ cents (\$_____)	\$_____

Town of Natick

Proposed Roadway Improvements to South Main Street

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
580	7020 FT	CURB REMOVED AND RESET _____ Dollars and _____ cents (\$_____)	\$_____
581	28 EA	CURB INLET REMOVED AND RESET _____ Dollars and _____ cents (\$_____)	\$_____
582	1 EA	CURB CORNER REMOVED AND RESET _____ Dollars and _____ cents (\$_____)	\$_____
594	2450 FT	CURB REMOVED AND DISCARDED _____ Dollars and _____ cents (\$_____)	\$_____
620.13	475 FT	GUARDRAIL, TL-3 (SINGLE FACED) _____ Dollars and _____ cents (\$_____)	\$_____
620.33	63 FT	GUARDRAIL - CURVED, TL-3 (SINGLE FACED) _____ Dollars and _____ cents (\$_____)	\$_____
627.1	1 EA	TRAILING ANCHORAGE _____ Dollars and _____ cents (\$_____)	\$_____
627.93	1 EA	GUARDRAIL FLARED END TREATMENT, TL-3 _____ Dollars and _____ cents (\$_____)	\$_____
628.21	6 EA	TRANSITION TO NCHRP 350 GUARDRAIL _____ Dollars and _____ cents (\$_____)	\$_____

Town of Natick

Proposed Roadway Improvements to South Main Street

ADDENDUM-NO. 2

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
630	1800 FT	HIGHWAY GUARD REMOVED AND RESET _____ Dollars and _____ cents (\$_____)	\$_____
630.2	400 FT	HIGHWAY GUARD REMOVED AND DISCARDED _____ Dollars and _____ cents (\$_____)	\$_____
634	10 EA	W BEAM GUARD PANEL _____ Dollars and _____ cents (\$_____)	\$_____
669	25 FT	FENCE REMOVED AND STACKED _____ Dollars and _____ cents (\$_____)	\$_____
670	570 FT	FENCE REMOVED AND RESET _____ Dollars and _____ cents (\$_____)	\$_____
685	80 CY	STONE MASONRY WALL IN CEMENT MORTAR _____ Dollars and _____ cents (\$_____)	\$_____
697.11	120 EA	INLET SEDIMENT FILTER BAG _____ Dollars and _____ cents (\$_____)	\$_____
698.4	2400 SY	GEOTEXTILE FABRIC FOR PERMANENT EROSION CONTROL _____ Dollars and _____ cents (\$_____)	\$_____

Town of Natick

Proposed Roadway Improvements to South Main Street

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
701	100 SY	CEMENT CONCRETE SIDEWALK _____ Dollars and _____ cents (\$_____)	\$_____
701.2	320 SY	CEMENT CONCRETE WHEELCHAIR RAMP _____ Dollars and _____ cents (\$_____)	\$_____
702	550 TON	HOT MIX ASPHALT WALK SURFACE _____ Dollars and _____ cents (\$_____)	\$_____
703	375 TON	HOT MIX ASPHALT DRIVEWAY _____ Dollars and _____ cents (\$_____)	\$_____
703.9	525 SF	IMPRINTED CROSSWALK _____ Dollars and _____ cents (\$_____)	\$_____
704.2	10 SY	GRAVEL FOR DRIVEWAYS _____ Dollars and _____ cents (\$_____)	\$_____
705.1	1 SY	FLAGSTONE WALK REMOVED AND RESET _____ Dollars and _____ cents (\$_____)	\$_____
706.1	10 SY	BRICK WALK REMOVED AND RELAID _____ Dollars and _____ cents (\$_____)	\$_____
710.4	3 EA	BOUND - PLAIN GRANITE _____ Dollars and _____ cents (\$_____)	\$_____

Town of Natick

ADDENDUM NO. 2
Proposed Roadway Improvements to South Main Street

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
711	11 EA	BOUND REMOVED AND RESET ____ Dollars and ____ cents (\$_____)	\$_____
715	21 EA	RURAL MAIL BOX REMOVED AND RESET ____ Dollars and ____ cents (\$_____)	\$_____
751	525 CY	LOAM BORROW ____ Dollars and ____ cents (\$_____)	\$_____
756	1 LS	NPDES STORMWATER POLLUTION PREVENTION PLAN ____ Dollars and ____ cents (\$_____)	\$_____
765	4700 SY	SEEDING ____ Dollars and ____ cents (\$_____)	\$_____
767.122	27 LF	FILTER TUBE ____ Dollars and ____ cents (\$_____)	\$_____
767.2	4700 SY	HAY MULCH ____ Dollars and ____ cents (\$_____)	\$_____
767.6	15 CY	AGED PINE BARK MULCH ____ Dollars and ____ cents (\$_____)	\$_____
769	2250 FT	PAVEMENT MILLING MULCH UNDER GUARD RAIL ____ Dollars and ____ cents (\$_____)	\$_____

Town of Natick

Proposed Roadway Improvements to South Main Street

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
804.3	210 FT	3 INCH ELECTRICAL CONDUIT TYPE NM - PLASTIC -(UL) ____ Dollars and ____ cents (\$ _____)	\$ _____
811.31	6 EA	PULL BOX 12 X 12 INCHES - SD2.031 ____ Dollars and ____ cents (\$ _____)	\$ _____
815.11	2 EA	FLASHING BEACON SCHOOL ZONE SIGN (SOLAR) ____ Dollars and ____ cents (\$ _____)	\$ _____
815.13	4 EA	LED ILLUMINATED SIGN AND POST (SOLAR) ____ Dollars and ____ cents (\$ _____)	\$ _____
815.15	3 EA	RECTANGULAR RAPID FLASHING BEACON SYSTEM (AC) ____ Dollars and ____ cents (\$ _____)	\$ _____
832	274 SF	WARNING-REGULATORY AND ROUTE MARKER - ALUMINUM PANEL (TYPE A) ____ Dollars and ____ cents (\$ _____)	\$ _____
833.5	105 EA	DEMOUNTABLE REFLECTORIZED DELINEATOR - GUARD RAIL ____ Dollars and ____ cents (\$ _____)	\$ _____
833.7	6 EA	DELINEATION FOR GUARD RAIL TERMINI ____ Dollars and ____ cents (\$ _____)	\$ _____

Town of Natick

Proposed Roadway Improvements to South Main Street

ADDENDUM NO. 2

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
847.1	48 EA	SIGN SUP (N/GUIDE)+ RTE MKR W/1 BRKWAY POST ASSEMBLY - STEEL ____ Dollars and ____ cents (\$_____)	\$_____
851.2	1 LS	TRAFFIC CONTROLS FOR CONSTRUCTION ____ Dollars and ____ cents (\$_____)	\$_____
854.014	50000 FT	TEMPORARY PAVING MARKINGS - 4 INCH (PAINT) ____ Dollars and ____ cents (\$_____)	\$_____
854.018	912 FT	TEMPORARY PAVING MARKINGS - 8 INCH (PAINT) ____ Dollars and ____ cents (\$_____)	\$_____
854.112	7000 FT	TEMPORARY PAVING MARKINGS - 12 INCH (PAINT) ____ Dollars and ____ cents (\$_____)	\$_____
860.104	12500 FT	4 INCH REFLECTORIZED WHITE LINE (PAINTED) ____ Dollars and ____ cents (\$_____)	\$_____
860.108	75 FT	8 INCH REFLECTORIZED WHITE LINE (PAINTED) ____ Dollars and ____ cents (\$_____)	\$_____

ADDENDUM NO. 2

Town of Natick

Proposed Roadway Improvements to South Main Street

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
860.112	3150 FT	12 INCH REFLECTORIZED WHITE LINE (PAINTED) ____ Dollars and ____ cents (\$_____)	\$_____
861.104	12150 FT	4 INCH REFLECTORIZED YELLOW LINE (PAINTED) ____ Dollars and ____ cents (\$_____)	\$_____
861.108	330 FT	8 INCH REFLECTORIZED YELLOW LINE (PAINTED) ____ Dollars and ____ cents (\$_____)	\$_____
864	35 SF	PAVEMENT ARROW REFLECTORIZED WHITE (PAINTED) ____ Dollars and ____ cents (\$_____)	\$_____
864.12	2300 SF	GREEN ROADWAY SHOULDER PAVEMENT MARKING ____ Dollars and ____ cents (\$_____)	\$_____
874	18 EA	STREET NAME SIGN ____ Dollars and ____ cents (\$_____)	\$_____
874.2	1 EA	TRAFFIC SIGN REMOVED AND RESET ____ Dollars and ____ cents (\$_____)	\$_____
874.4	78 EA	TRAFFIC SIGN REMOVED AND STACKED ____ Dollars and ____ cents (\$_____)	\$_____

Town of Natick

Proposed Roadway Improvements to South Main Street

ADDENDUM NO. 2

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
877.2	41 EA	SIGN POST REMOVED AND STACKED _____ Dollars and _____ cents (\$ _____)	\$ _____
999.001	3840 HR	POLICE DETAIL _____ FIFTY FIVE _____ Dollars and _____ ZERO _____ cents (\$ _____ 55.00 _____)	\$ _____ 211,200.00 _____
TOTAL BASE BID			
_____ Dollars and			
_____ cents (\$ _____)			\$ _____

ADDENDUM NO. 2

Town of Natick

Proposed Roadway Improvements to South Main Street

ADD ALTERNATE NO. 1:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
101	0.13 A	CLEARING AND GRUBBING _____ Dollars and _____ cents (\$_____)	\$_____
102.1	105 FT	TREE TRIMMING _____ Dollars and _____ cents (\$_____)	\$_____
105	29 EA	STUMP REMOVED _____ Dollars and _____ cents (\$_____)	\$_____
120	1050 CY	EARTH EXCAVATION _____ Dollars and _____ cents (\$_____)	\$_____
121	40 CY	CLASS A ROCK EXCAVATION _____ Dollars and _____ cents (\$_____)	\$_____
144	25 CY	CLASS B ROCK EXCAVATION _____ Dollars and _____ cents (\$_____)	\$_____
151	432 CY	GRAVEL BORROW _____ Dollars and _____ cents (\$_____)	\$_____
170	1300 SY	FINE GRADING AND COMPACTING – SUBGRADE AREA _____ Dollars and _____ cents (\$_____)	\$_____

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
509	270 FT	GRANITE TRANSITION CURB FOR WHEELCHAIR RAMPS - STRAIGHT ____ Dollars and ____ cents (\$____)	\$____
509.1	90 FT	GRANITE TRANSITION CURB FOR WHEELCHAIR RAMPS - CURVED ____ Dollars and ____ cents (\$____)	\$____
685	155 CY	STONE MASONRY WALL IN CEMENT MORTAR ____ Dollars and ____ cents (\$____)	\$____
698.4	2850 SY	GEOTEXTILE FABRIC FOR PERMANENT EROSION CONTROL ____ Dollars and ____ cents (\$____)	\$____
701.2	180 SY	CEMENT CONCRETE WHEELCHAIR RAMP ____ Dollars and ____ cents (\$____)	\$____
702	156 TON	HOT MIX ASPHALT WALK SURFACE ____ Dollars and ____ cents (\$____)	\$____
703	42 TON	HOT MIX ASPHALT DRIVEWAY ____ Dollars and ____ cents (\$____)	\$____
703.9	295 SF	IMPRINTED CROSSWALK ____ Dollars and ____ cents (\$____)	\$____

Town of Natick

Proposed Roadway Improvements to South Main Street

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
751	214 CY	LOAM BORROW _____ Dollars and _____ cents (\$ _____)	\$ _____
765	1050 SY	SEEDING _____ Dollars and _____ cents (\$ _____)	\$ _____
767.2	1050 SY	HAY MULCH _____ Dollars and _____ cents (\$ _____)	\$ _____
815.14	2 EA	RECTANGULAR RAPID FLASHING BEACON SYSTEM (SOLAR) _____ Dollars and _____ cents (\$ _____)	\$ _____
832	9 SF	WARNING - REGULATORY AND ROUTE MARKER - ALUMINUM PANEL (TYPE A) _____ Dollars and _____ cents (\$ _____)	\$ _____
847.1	1 EA	SIGN SUP (N/GUIDE)+RTE MKR W/1 BRKWAY POST ASSEMBLY - STEEL _____ Dollars and _____ cents (\$ _____)	\$ _____
860.112	1116 FT	12 INCH REFLECTOIZED WHITE LINE (PAINTED) _____ Dollars and _____ cents (\$ _____)	\$ _____

Town of Natick

Proposed Roadway Improvements to South Main Street

ADDENDUM NO. 2

TOTAL BID INCLUSIVE OF ADD ALTERNATE NO. 1:

TOTAL BID

_____ Dollars and

_____ cents (\$

) \$

12/16/2019

Town of Natick Mail - S. Main Street - Addendum No. 2



Bryan Leblanc <bleblanc@natickma.org>

S. Main Street - Addendum No. 2

2 messages

Michael Buraczynski <mburaczynski@greenintl.com>

Mon, Dec 16, 2019 at 10:59 AM

To: Bryan Leblanc <bleblanc@natickma.org>

Cc: William McDowell <wmcowell@natickma.org>, Jeremy Marsette <jmarsette@natickma.org>, "Erik C. Atkins, P.E." <eatkins@greenintl.com>, "Bill Chenard," <chenard@natickma.org>

Hi Bryan,

See attached for Addendum No. 2.

Thank you!

Michael Buraczynski

Engineer III

Transportation Group

Green International Affiliates, Inc.

239 Littleton Road, Suite 3, Westford, MA 01886

o: 978.923.0400 x313

w: www.greenintl.com e: mburaczynski@greenintl.com



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Please connect with us on



12/16/2019

Town of Natick Mail - S. Main Street - Addendum No. 2



S Main Street_Addendum No. 2.pdf
1127K

Bryan Leblanc <bleblanc@natickma.org>

Mon, Dec 16, 2019 at 11:00 AM

To: Michael Buraczynski <mburaczynski@greenintl.com>

Cc: William McDowell <wmcdowell@natickma.org>, Jeremy Marsette <jmarsette@natickma.org>, "Erik C. Atkins, P.E." <eatkins@greenintl.com>, "Bill Chenard," <chenard@natickma.org>

Thanks!

[Quoted text hidden]

Bryan R. Le Blanc
Procurement Officer
Town of Natick
75 West Street
Natick, MA 01760
bleblanc@natickma.org
(508)-647-6438

To: All Prospective Bidders
From: Bryan R. Le Blanc
Procurement Officer
Natick Public Works
75 West Street
Natick, MA 01760
(508) 647-6438
Date: December 16, 2019
Project: Proposed Roadway Improvements to South Main Street
Subject: Responses to Bidder Questions and Addendum No. 1

RESPONSES TO BIDDER QUESTIONS

For informational purposes, the following are responses to Contractor questions which were received for the subject project. No other questions have been received by the deadline for questions which was December 16, 2019.

Question 1 Shall the Surface Course be 'Top Course' or 'Modified Top Course'?

Answer The surface course should be HMA Surface Top Course. See Addendum No. 1.

Question 2 Shall the Intermediate Course be 'Binder Course' or 'Dense Binder Course'?

Answer The intermediate course should be HMA Intermediate Binder Course. See Addendum No. 1.

Question 3 Shall the 5" HMA Intermediate Course for the Proposed Full Depth Pavement Reclamation be installed in a single lift?

Answer The 5" HMA Intermediate Binder Course should be installed in two (2) lifts. Each lift should be 2.5" thick. See Addendum No. 1.

Question 4 There is no Item in the Bid Proposal for Base Course.

Answer Base course is not required. See Addendum No. 1.

Question 5 Shall the Base Course be 'Base Course', 'Binder Course' or 'Dense Binder Course'?

Answer Base course is not required. See Addendum No. 1.

- Question 6 Should the HMA Pavement Structure for the Full Depth Pavement Reclamation and Proposed Box Widening be the same?
- Answer See Addendum No. 1.
-
- Question 7 Under the pavement notes, it calls for the widening areas to receive 3 ¼" of base course and 1 ¾" of binder course, on the reclaimed areas it is calling for 5" of binder course. My question is, you will paving all the graded areas (reclaimed and widening) at the same time, shouldn't we be consistent with having a uniform 5" of binder across the full width, please advise.
- Answer See Addendum No. 1.
-
- Question 8 15" DI pipe is proposed between DMH 1-14 and a CIT (Sta 22+02). There is no Item in the Bid Proposal for 15" Ductile Iron Pipe.
- Answer The label in the plans was revised to specify two 16" DI Pipes. See Addendum No. 1.
-
- Question 9 The Drainage Structure Data includes Deep Sump MH (1-19) Station 35+18. This structure is not shown on the plans.
- Answer The Drainage Structure Data Table has been revised in Addendum No. 1.
-
- Question 10 26 LF of 6" DI Pipe is called out along with a saddle connection and a 6" cleanout. There are no Items in the Bid Proposal for this work.
- Answer The 6" cleanout is included under Item 268. 6 Inch Subdrain Cleanout. The Specifications specify that saddle connection is incidental to the work under Items 238.12 through 250.06. The 6" DI Pipe has been revised in the plans to be a 6" Polyvinyl Chloride Sanitary Sewer Pipe. See Addendum No. 1.
-
- Question 11 Please provide a detail of the proposed saddle connection and cleanout.
- Answer Saddle connection and cleanout details are provided in the Construction Details on sheets 84 and 85 of 176.
-
- Question 12 The Drainage Structure Data lists structure 3-9 as a DGCBCI. The plans call out the structure as a DGGI. Please clarify.
- Answer The Drainage Structure Data Table has been revised in Addendum No. 1.

December 16, 2019

**Responses to Bidder Questions and Addendum No. 1
Town of Natick**

Question 13 Please provide a detail of the proposed field connections to the existing 36" pipe.

Answer A detail has been provided. See Addendum No. 1.

Question 14 A water gate is proposed at Sta +/-64+97. Will this be paid under Item 357? Shall this consist of a curb stop and service box?

Answer The water gate noted is paid for under Item 381.01. This item includes the curb stop and service box. The plan label has been revised to indicate service gate box. See Addendum No. 1.

Question 15 The Special Provisions for the Drainage Castings (222.3 and 222.5) state that 'Payment for each shall include the cost of the single frame and both grates installed in place as one unit.' Is it the intent that the setting of the castings of proposed structures to the intermediate grade to be included in the price of the castings?

Answer During the reclamation process no additional compensation will be made for lowering, plating and raising the proposed or existing structures to binder grades prior to final grade, but all costs in connection therewith shall be included in the contract unit price bid regardless of depth. Raising the existing structures from binder grades to final grade shall be paid for under Item 220. Raising the proposed structures from binder grades to final grade shall be consider incidental the respective structure item.

Question 16 The Detail for Typical Pipe Trench shows the trench width to be 12"+O.D. (2.5' min.) The Details for the Permanent and Temporary Trench Patches show the trench width to be 3'+I.D. Please clarify the limits of the trench widths.

Answer: The Typical Pipe Trench Detail was revised to match the Trench Patch Details. See Addendum No. 1.

Question 17 Under the items for drainage structures (CB, double Grate CB and Deep sump Manhole) it says that the hood assemblies are to be included, but you also have an item (224.12) for them, please clarify?

Answer: Hoods shall be paid for under Item 224.12. See Addendum No. 1.

Question 18 Under drawing sheet 83 of 176, you show that Catch basin and drain manhole with top slab to be a 5' diameter structure, are these to be installed whenever a top slab is used, if so should they be an item for them, please advise.

Answer: The top slabs are included in the cost of the drainage structure. All single grate catch basins are 4' diameter structure. Drainage man hole structures vary from 4'-5' in diameter. See plans for diameter of structure. See Addendum No. 1.

Question 19 Under Item # 815.15 will they be a fee from the utility company for the power connection to those unit, please advise.

Answer: Any fees from the utility company for the power connection are the responsibility of the Contractor. See Subsection 813 as noted in the specification for Item 815.15.

Question 20 On the last project we bid in Natick (Washington Avenue), the concrete sidewalks and wheel chair ramp called for lamb black and fiber mesh to be added to the concrete, is it the case in here.

Answer: The lamb black color and fiber mesh are not included in this project.

Question 21 The Bid Proposal contains Items 453 HMA Joint Sealant. However, the Special Provisions contain Items 464.5 Hot Poured Rubberized Asphalt Sealer.

Answer: The Special Provision for Item 464.5 Hot Poured Rubberized Asphalt Sealer has been removed from the Special Provisions. See Addendum No. 1.

Question 22 The Special Provisions state that 'The stabilizer agent, Emulsified Asphalt, for the full depth reclamation will be considered incidental to Item 403.2. The bidders have no information in which to determine how much Emulsified Asphalt will be required as the Asphalt Emulsion percentage cannot be determined until the pavement layers to be reclaimed are tested. Please consider adding Item 403.21 to the Bid Proposal, as the Item is typically included in addition to Item 403.2.

Answer: Item 403.2 Full Depth Reclamation with Emulsified Asphalt Stabilization was replaced with Item 403. Reclaimed Pavement for Base Course and/or Sub-base. See Addendum No. 1.

Question 23 The south main street bid requires asphalt injection stabilization. part of the bid is to JMF test and provide asphalt emulsion percentages of 1.5%, 2.5% and 3.5% for comparison. where upon it will be determine what % of emulsion will be added. most bids will have a separate bid item for the asphalt emulsion for the injection per gallon, where it is unknown until testing is completed as to how many gallons will be needed typically the bid item would be 1 gallon be sq. yard, in this bid 18,750 gallons.

Answer: See response to Question 22.

Question 24 The Special Provisions for the Items 238.12 thru 250.06 state 'No payment for the removal of stones, headwalls, boulders, or any other item as described in Section 140.25 will be made under Item 144 Class B Rock Excavation.' What will Item 144 Class B Rock Excavation – 200cy be used for?

Answer: The specification for Items 238.12 – 250.06 has been revised. See Addendum No. 1.

Question 25 Will the R&R of Cobble Curb be measured and paid under Item 580?

Answer: Removing and resetting cobble curb is included under Item 580. See Addendum No. 1.

Question 26 Please clarify what item 170 is being used for. Is it only for fine grading and compacting the subgrades beneath the box widening, driveways, sidewalks and wheelchair ramp areas?

Answer: Item 170 only includes sidewalk, wheel chair ramps, private walks and areas of box widening. See Addendum No. 1.

Question 27 The measurement and payment section for the drainage structures says there will be no additional compensation for hoods but item 224.12 is for the hoods. If hoods are incidental to the drainage structures, then what is Item 224.12 being used for?

Answer: See response to Question 17.

Question 28 The measurement and payment section for the pipe items says rock excavation is incidental to the pipe items but item 144 is for class B rock excavation. Please remove the paragraph in the pipe items that states this is incidental as it should get paid under item 144.

Answer: The specification for Items 238.12 – 250.06 has been revised. See Addendum No. 1.

Question 29 There is a pay item for new bounds, but the plans only call out removing and resetting bounds. Are new bounds only being used if the existing bounds are damaged and can't be reset?

Answer: New bounds will only be used if the existing bound is damaged and can't be reset. However, if during the removal the existing bound is damaged due negligence than the cost of the new bound is the responsibility of the Contractor.

Question 30 Can the contractor stage at the landfill located at the beginning of the project?

Answer: The Contractor is ultimately responsible for determining their staging location. Due to large volumes of traffic entering and leaving the landfill the potential bidder should not anticipate using the landfill as their staging area.

December 16, 2019

Responses to Bidder Questions and Addendum No. 1

Town of Natick

Question 31 When will the utility pole removal and resetting be completed?

Answer: The utility companies have not yet communicated their schedule. They noted that they do not expect to start their work prior to April 2020.

Question 32 The spec section for item 403.2 "Full Depth Reclamation with Emulsified Asphalt Stabilization" says to evaluate the samples to determine the percentage for emulsified asphalt application (1.5%, 2.5%, or 3.5%.) For bidding purposes what percentage should we be carrying in our bid? There is a significant cost difference between the three options so this is now a guessing game for bidders. If you give us a percentage to bid on and it changes then there would be an equitable adjustment up or down depending if you want more or less used and this would put all bidders on the same playing field instead of guessing.

Answer: Item 403.2 Full Depth Reclamation with Emulsified Asphalt Stabilization has been removed from the Contract. See Addendum No. 1.

CLARIFICATIONS

Please refer to Addendum No 1

Addendum No. 1:

Please refer to the following forty six (46) pages which comprise Addendum No. 1.

NOTE:

All contractors must acknowledge receipt of this response to questions and Addendum No. 1 via return correspondence upon receipt. Please include company name and contact person and information.

ADDENDUM NO. 1

The following modifications are to be incorporated into the Contract Documents for the Proposed Roadway Improvements to South Main Street project. The Bid Opening Date and Time will not change.

1. **Delete** Pages 00300-3 to 00300-22, inclusive in their entirety and replace with pages 00300-3 to 00300-22, inclusive included with this Addendum No. 1. Item 403.2 Full Depth Reclamation with Emulsified Asphalt Stabilization and Item 627.83 Guardrail Tangent End Treatment, TL-3. were **removed**. Item 403. Reclaimed Pavement for Base Course and/or Sub-Base, Item 627.93 Guardrail Flared End Treatment, TL-3 and Item 999.001 Police Detail were **added**. Item 620.13, Item 627.1, Item 628.21, 630., Item 630.2 and Item 767.122 were **revised**.
2. **Delete** Notice to Contractors – Price Adjustments section from the Division 2 Roadway Work Section 02500 from the Standard Conditions and Specification and replace with the following:

NOTICE TO CONTRACTORS – PRICE ADJUSTMENTS

The Contractor shall apply monthly price adjustments for the relevant Contract Items in accordance with Document 0811 and 0812 contained in Appendix F. The following are the base prices in effect for this project:

Liquid Asphalt = \$535.00 per Ton	Diesel = \$2.390 per Gallon
Gasoline = \$2.060 per Gallon	Portland Cement = \$128.48

3. **Delete** Item 170. Fine Grading and Compacting – Subgrade Area from Section 02550. **Replace** Item 170. with the following.

ITEM 170. FINE GRADING AND COMPACTING – SUBGRADE AREA SQUARE YARD

Work under this Item shall conform to the relevant provisions of Section 170, supplemented and amended as follows:

Item 170. Includes the fine grading and compacting of the subbase material beneath the sidewalk, wheelchair ramps, private walks and areas of box widening. Fine grading and compacting elsewhere is considered incidental to the respective pay item.

The grading and compaction of Loam Borrow and its associated subgrade shall not be paid for under this item and is considered incidental to that work. The grading and compaction of Loam Borrow and its associated subgrade shall be included for payment under Item 751.

The grading and compaction of all embankment materials, including but not limited to Gravel Borrow, shall not be paid for under this item. The grading and compaction of embankment material shall be considered incidental to the respective pay item.

4. **Delete Item 224.12 12 Inch Hood from Section 02550. Replace Item 224.12 with the following.**

<u>ITEM 224.12</u>	<u>12 INCH HOOD</u>	<u>EACH</u>
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The work of this Item shall conform to the relevant provisions of Section 200 of the Standard Specifications and the Town of Natick standards.

The Contractor shall install hoods on existing and proposed drainage structures as shown on the Plans. Hoods shall be the Eliminator as manufactured by Ground Water Rescue Inc. or approved equal.

Measurement and Payment

This item will be measured per each, complete in place and approved.

This item will be paid for at the Contract unit price per each, which price shall include all labor, materials, equipment and incidental costs required to complete the work.

5. **Delete Items 238.12 – Item 250.06 from Section 02550. Replace with the following.**

<u>ITEM 238.12</u>	<u>12 INCH DUCTILE IRON PIPE</u>	<u>FOOT</u>
<u>ITEM 238.16</u>	<u>16 INCH DUCTILE IRON PIPE</u>	<u>FOOT</u>
<u>ITEM 238.24</u>	<u>24 INCH DUCTILE IRON PIPE</u>	<u>FOOT</u>
<u>ITEM 241.12</u>	<u>12 INCH REINFORCED CONCRETE PIPE</u>	<u>FOOT</u>
<u>ITEM 241.18</u>	<u>18 INCH REINFORCED CONCRETE PIPE</u>	<u>FOOT</u>
<u>ITEM 241.24</u>	<u>24 INCH REINFORCED CONCRETE PIPE</u>	<u>FOOT</u>
<u>ITEM 241.30</u>	<u>30 INCH REINFORCED CONCRETE PIPE</u>	<u>FOOT</u>
<u>ITEM 241.36</u>	<u>36 INCH REINFORCED CONCRETE PIPE</u>	<u>FOOT</u>
<u>ITEM 250.06</u>	<u>6 INCH POLYVINYL CHLORIDE</u>	<u>FOOT</u>
	<u>SANITARY SEWER PIPE</u>	

The work under these Items shall conform to the relevant provisions of Section 230 and the following:

No extra payment shall be made for trench excavations exceeding five (5) feet in depth or as described in Section 140.23 under Item 142. Class B Trench Excavation. The cost of all trench excavation, regardless of depth, shall be included in the cost of these Items.

Unless otherwise directed, trenches shall be backfilled with approved granular materials and properly compacted to the minimum density of 90 percent of the maximum density as determined by ASTM D1557 (Modified Proctor). Any settlements or other defective work and material shall be promptly repaired or replaced at the Contractor's expense. Density testing shall be required as determined by the Engineer. The Engineer will identify the locations for testing to be paid for by the Contractor.

Polyvinyl Chloride pipe shall be Schedule 40 meeting the requirements of ASTM D 1785 and ASTM D 2466.

The work shall include the incidental adjustment of other utilities as required to install proposed pipe. All existing drainage pipe that is impacted by the installation of proposed pipe shall be removed to the extent required and disposed of by the Contractor as part of the work under these Items. Pipe may be abandoned in place, if approved by the Engineer. Abandoned pipes shall be plugged. Where new pipe connects into an existing manhole, inverts shall be rebuilt or modified, as needed, to match proposed conditions under these Items. Where new pipe connects to existing pipe, couplings or other connecting fittings shall be installed as directed by the Engineer. Costs for these materials and this work shall be considered incidental

to the work under these items. Saddle connections noted in the plans shall be considered incidental to the work under these items.

Measurement and Payment

Payment under these Items shall be at the Contract Unit Prices bid per Foot, complete in place; including all trench excavation, regardless of depth; saw cutting regardless of depth, backfilling; shoring and bracing; compaction testing, the removal or abandonment of existing pipe, including plugs, rebuilding and modifying inverts, couplings, and the maintenance of flow and the protection from and cleaning of related construction debris from the affected portions of the existing drainage system.

Crushed stone for pipe bedding, shall be paid for under Item 156. Gravel Borrow for backfill, if required and authorized by the Engineer, shall be paid for under Item 151.

6. **Delete** Items 201, 201.2, 202, 202.5 and 202.6 from Section 02550. **Replace** with the following.

<u>ITEM 201.</u>	<u>CATCH BASIN</u>	<u>EACH</u>
<u>ITEM 201.2</u>	<u>DOUBLE-GRADE CATCH BASIN</u>	<u>EACH</u>
<u>ITEM 202.</u>	<u>MANHOLE</u>	<u>EACH</u>
<u>ITEM 202.5</u>	<u>MANHOLE (5 FT DIAMETER)</u>	<u>EACH</u>
<u>ITEM 202.6</u>	<u>DEEP SUMP MANHOLE</u>	<u>EACH</u>

The work under these Items shall conform to the relevant provisions of Section 201 of the Standard Specifications, the Construction Details and the following:

All excavation for the structures shall be included in the cost of these items. Units shall be precast concrete and shall conform to ASTM C478 and AASHTO M 199.

Catch basin, double-grade catch basin, and deep sump manhole structures shall be constructed with 4-foot sumps and include hoods. Acceptable hoods are Ground Water Rescue Inc. Eliminator, Best Management Practices Inc. Snout® or equal approved the DPW.

Drain manholes that are 5' in diameter shall be precast concrete conforming to the latest ASTM Specifications for precast reinforced concrete sections (ASTM C478). Concrete shall have a minimum compressive strength of 5,000 psi. Reinforcing steel shall conform to the latest ASTM A1064 Specifications. The manhole shall be capable of supporting an HS 20-44 live load.

The joints of the precast manhole sections shall be sealed with either a round rubber "O"-ring gasket or a flexible joint sealant. The "O"-ring shall conform to ASTM C443.

All structures within this section shall be constructed on a bedding of 12 inches of crushed stone. No additional payment beyond these limits will be allowed unless approved in advance by the Engineer.

All the catch basins and drain manhole structures are eccentric unless otherwise noted on the plans. The cone sections shall be replaced with flat tops sections as needed at no additional cost. Flat tops shall not be used unless approved by the Engineer.

All castings located within the pavement area shall not be set to finished grade until after the binder course has been placed and shall be set to finished grade no more than 7 calendar days prior to final paving. The cost of adjusting castings prior to setting to the final grade is included in the cost of these items.

All frames shall be set in a concrete collar conforming to Construction Standard Details, Drawing No. E 202.9.0 prior to placement of the top course pavement. The cost of the concrete collar shall be included in the unit price bid for these items.

Measurement and Payment

Structures within this section will be measured by the unit each, regardless of required depth. There shall be no additional compensation for deep sumps.

Structures within this section will be paid for at the Contract unit price per each, which shall be full compensation for all excavation, backfill, concrete, reinforcing steel, forming, labor, materials, equipment and incidentals necessary to complete the work.

Hoods shall be paid for under Item 224.12.

Crushed stone for bedding shall be paid for under Item 156.

The cost of the frames and grates or covers shall be paid under their respective items.

7. Add the following to Section 02550.

<u>ITEM 357.</u>	<u>GATE BOX</u>	<u>EACH</u>
<u>ITEM 358.</u>	<u>GATE BOX ADJUSTED</u>	<u>EACH</u>

Work under these Items shall conform to the relevant provisions of Section 301 of the Standard Specifications, the 2016 Town of Natick Department of Public Works Construction Standards, and the following:

This work will consist of adjusting gate boxes, regardless of size, to conform to the proposed line and grade. Boxes located in driveways or in street pavement shall have collars. Boxes in sidewalk areas are not required to have collars.

Boxes damaged by the Contractor's operations will be replaced by the Contractor at his own expense with new gate boxes in accordance with the Town's standards.

Boxes found to be inoperable due to no fault of the Contractor shall be replaced under Item 357, regardless of size, with new gate boxes in accordance with the Town's standards.

Measurement and Payment

Payment under these Items shall be at the Contract Unit Bid prices per Each, which prices shall be full compensation for all labor, equipment, materials to adjust boxes regardless of size to finish grade, or the removal and disposal of old boxes not fit for reuse and installation of new replacement service boxes, and all incidentals necessary to complete the work to the satisfaction of the Engineer.

8. Add the following to Section 02550.

<u>ITEM 381.01</u>	<u>SERVICE BOX (MUNICIPAL STANDARD)</u>	<u>EACH</u>
<u>ITEM 381.3</u>	<u>SERVICE BOX ADJUSTED</u>	<u>EACH</u>

Work under these items shall conform to the relevant provisions of Section 301 of the Standard Specifications, the 2016 Town of Natick Department of Public Works Construction Standards, and the following:

The work of these items shall include adjusting service boxes and/or providing new service boxes if existing boxes are already damaged, and water services that are impacted by construction and/or do not appear on the contract plans or record plans.

Tubing needed to install the service box is incidental to the cost of the service box. The size and material of the tubing shall match the existing service line.

Service boxes shall be cast iron. Extension service boxes of the required length and having slide-type adjustment shall be installed at all service box locations. The boxes shall have housings of sufficient size to completely cover the service stop and shall be complete with identifying covers.

Service boxes in driveways or in street pavement shall have concrete collars. Service boxes in sidewalk areas are not required to have a concrete collar.

Any service box damaged due to the Contractor's operations, will be replaced by the Contractor at his own expense with new service boxes in accordance with the Town's standards.

Service boxes found to be inoperable due to no fault of the Contractor shall be replaced with new and paid for under Item 381.01.

Measurement and Payment

Service Box and Service Box Adjusted shall be measured by the unit each.

Payment will be at the contract unit bid price per each, which price shall be considered full compensation for all labor, equipment, materials and incidentals necessary to complete the work to the satisfaction of the Engineer.

9. Delete Item 464.5 Hot Poured Rubberized Asphalt Sealer from Section 02550.

10. Delete Item 580 Curb Removed and Reset from Section 02550. Replace Item 580 with the following.

<u>ITEM 580.</u>	<u>CURB REMOVED AND RESET</u>	<u>FOOT</u>
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The work under this Item shall be done in accordance with Section 580 of the Standard Specifications and the following:

The Contractor shall remove and reset curb of all types as shown on the Plans. The Contractor may need to remove curb from one location and transport it to a new location for resetting. Transporting the curb from one location to another is included in the unit price of this item. The Contractor shall use all of the existing straight curb that is in good condition as determined by the Engineer. New curb shall not be mixed randomly

with existing curb. Existing curb shall be reset together, and new curb shall only be used where authorized by the Engineer.

Curb removed and reset will be measured per foot along the face of the curb actually removed and reset.

Curb removed and reset will be at the Contract unit price per Foot, which price shall include all labor, materials, tools, equipment and incidental costs required to complete the work.

11. **Delete** Item 403.2 Full Depth Reclamation with Emulsified Asphalt Stabilization from Section 02550.
Replace with Item 403. Reclaimed Pavement for Base Course and/or Sub-Base, including the following.

<u>ITEM 403.</u>	<u>RECLAIMED PAVEMENT FOR BASE COURSE AND/OR SUB-BASE</u>	<u>SY</u>
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The work under this item shall conform to the relevant provisions of Section 403 of the Supplemental Specifications and the following:

Existing pavement areas shown on the Plans within the project limits shall be reclaimed material for use as base and/or sub-base course on the project.

The Contractor shall first use all on-site reclaimed material, which is suitable or has been supplemented with Crushed Stone for Blending to be made suitable, under roadways, sidewalks, driveways, or other locations for base and sub-base courses as indicated on the Drawings or as required by the Engineer. After on-site reclaimed material has been exhausted, the Contractor may use additional, suitable gravel borrow material brought in from off-site. The Contractor shall schedule his operations such that the re-use of reclaimed material be well coordinated with the generation of the material.

All Reclaimed Pavement Borrow Material shall conform to the requirements of the latest Supplemental Specifications Subsection M1.09.0 of Division III Materials.

All drainage and utility structures shall be lowered 6 inches below subgrade and plated in accordance with Subsection 403.62 of the Standard Specifications. Lowering and plating of structures shall be considered incidental to Item 403.2 Full Depth Reclamation with Asphalt Stabilization.

Because of pipe outlet elevations, some precast drainage structures cannot be lowered to this extent. For those drainage structures, the Contractor shall excavate around the precast units to avoid damaging the structures during reclaiming operations. Reclaimed base course shall be windrowed and compacted thoroughly around the structures. The cost of excavating windrowing and compacting around structures shall be considered incidental to Item 403.2 Full Depth Reclamation with Asphalt Stabilization.

Measurement and Payment

Item 403. will be measured for payment by the Square Yard, measured in place, to the limits specified on the Plans or as directed by the Engineer. No deductions will be made for surface structures.

Item 403. will be paid for as per Subsection 403.81 of Supplemental Specifications and as follows.

No additional compensation will be made for lowering, plating and raising the proposed or existing structures to binder grades prior to final grade, but all costs in connection therewith shall be included in the contract unit price bid regardless of depth. Raising the existing structures from binder grades to final grade shall be paid for under Item 220. Raising the proposed structures from binder grades to final grade shall be consider incidental the respective structure item.

Removal and disposal of unsuitable material, surplus reclaimed material, or any sub-base/subgrade material necessary to be removed shall be paid for at the contract unit price per cubic yard for Item 120. Earth Excavation.

Water for the dust control shall be paid for under Item 443.

If required to meet the gradation requirements, additional crushed aggregate material required to improve the material properties of reclaimed Pavement for Base and/or Sub-base Course will be paid for under Item 403.1.

The areas of box widening will not be included for measurement and payment under this item but will be paid for separately under items 120, 151 and 170.

12. Add Item 999.001 Police Detail to Section 02550, including the following.

ITEM 999.001

POLICE DETAIL

HOURLY

Work under this item shall be performed according to Section 7.00, Subsection 7.11 of the Standard Specifications and the following:

All police details will be paid a minimum of four hours per day.

The Contractor will only be reimbursed for Police Details up to 8 hours per calendar day, per detail officer. It is the responsibility of the Contractor to ensure all work requiring detail officers is completed with the 8-hour police detail shift. The Contractor will not be reimbursed for hours charged by the detail officer over the 8-hour detail shift, unless otherwise approved by the Engineer on a Day-to-Day basis.

The Contractor shall be responsible for cancelling police details that the Contractor has requested but are not needed due to inclement weather, scheduling changes or for any other reason. The Contractor will not be reimbursed for police details that he fails to cancel prior to the time set by the police department.

Payment will be on a per hour basis, with the hourly rate shown in the Bid Sheets for bidding purposes only. Payment shall be based upon the invoices submitted by the Police Department providing the detail less all administrative fees. No reimbursement of administrative fees will be allowed to the Contractor.

The Contractor shall pay the Police Department directly prior to being reimbursed by the Town. At the end of each month, the Contractor shall submit to the Engineer receipted copies of all bills for reimbursable police details. The bills will then be included for reimbursement in the next monthly pay estimate minus all administrative fees. The bills must be paid to and signed by a representative of the Police Department before being accepted by the Engineer for payment. All costs to the Contractor for processing police detail payments shall be included in the overall cost of the other items in the Contract.

The price for Police Officer details established in the Form of General Bid is an estimated hourly figure times a fixed hourly cost to facilitate comparison of bids. The Contractor shall be reimbursed for the actual cost of the services of uniformed officers rendered in connection with traffic control, when traffic control services are mandated by the Town of Natick.

13. Delete Plan Sheet 5 of 176 in its entirety and replace with the attached Plan Sheet 5 of 176 with Revision 1. The pavement notes and the location of the existing guardrail in the typical sections were revised.

14. **Delete** Plan Sheets 8-10 of 176 in its entirety and **replace** with the attached Plan Sheet 8-10 of 176 with Revision 1. The proposed guardrail design and the location of the existing guardrail was revised.
15. **Delete** Plan Sheet 60 of 176 in its entirety and **replace** with the attached Plan Sheet 60 of 176 with Revision 1. The label for drainage pipe between DMH 1-14 and CIT (Sta 22+02) was revised to callout a 16" DI Pipe.
16. **Delete** Plan Sheet 63 of 176 in its entirety and **replace** with the attached Plan Sheet 63 of 176 with Revision 1. Drainage Structure Data Table was revised.
17. **Delete** Plan Sheet 64 of 176 in its entirety and **replace** with the attached Plan Sheet 64 of 176 with Revision 1. Changed DIP Pipe at 43+90 RT to PVC Pipe.
18. **Delete** Plan Sheet 65 of 176 in its entirety and **replace** with the attached Plan Sheet 65 of 176 with Revision 1. Revised Prop. Water Gate callout to Prop. Water Service Box.
19. **Delete** Plan Sheet 67 of 176 in its entirety and **replace** with the attached Plan Sheet 67 of 176 with Revision 1. Drainage Structure Data Table was revised.
20. **Delete** Plan Sheet 68 of 176 in its entirety and **replace** with the attached Plan Sheet 68 of 176 with Revision 1. Revised Prop. Water Gate callout to Prop. Water Service Box.
21. **Delete** Plan Sheet 83 of 176 in its entirety and **replace** with the attached Plan Sheet 83 of 176 with Revision 1. Revised diameter of the Flat Top Slab Catch Basin Detail.
22. **Delete** Plan Sheet 84 of 176 in its entirety and **replace** with the attached Plan Sheet 84 of 176 with Revision 1. Revised the Typical Pipe Trench Detail and the Flat Top Slab Drain Manhole Detail.
23. **Delete** Plan Sheets 92-96 of 176 in its entirety and **replace** with the attached Plan Sheet 92-96 of 176 with Revision 1. The location of the existing guardrail was revised.
24. **Add** Typical Field Connection to Large Concrete Pipe Detail.

Town of Natick

Proposed Roadway Improvements to South Main Street

BID NUMBER:**BIDDER NAME:**

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
101	0.25 A	CLEARING AND GRUBBING _____ Dollars and _____ cents (\$_____)	\$_____
102.1	750 FT	TREE TRIMMING _____ Dollars and _____ cents (\$_____)	\$_____
102.51	17 EA	INDIVIDUAL TREE PROTECTION _____ Dollars and _____ cents (\$_____)	\$_____
103	2 EA	TREE REMOVED - DIAMETER UNDER 24 INCHES _____ Dollars and _____ cents (\$_____)	\$_____
104	3 EA	TREE REMOVED - DIAMETER 24 INCHES AND OVER _____ Dollars and _____ cents (\$_____)	\$_____
105	4 EA	STUMP REMOVED _____ Dollars and _____ cents (\$_____)	\$_____
120	8550 CY	EARTH EXCAVATION _____ Dollars and _____ cents (\$_____)	\$_____
121	125 CY	CLASS A ROCK EXCAVATION _____ Dollars and _____ cents (\$_____)	\$_____
141.1	75 CY	TEST PIT FOR EXPLORATION _____ Dollars and _____ cents (\$_____)	\$_____

Town of Natick

Proposed Roadway Improvements to South Main Street

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
144	200 CY	CLASS B ROCK EXCAVATION ____ Dollars and ____ cents (\$____)	\$____
146	50 EA	DRAINAGE STRUCTURE REMOVED ____ Dollars and ____ cents (\$____)	\$____
151	3600 CY	GRAVEL BORROW ____ Dollars and ____ cents (\$____)	\$____
156	390 TON	CRUSHED STONE ____ Dollars and ____ cents (\$____)	\$____
170	10400 SY	FINE GRADING AND COMPACTING - SUBGRADE AREA ____ Dollars and ____ cents (\$____)	\$____
201	39 EA	CATCH BASIN ____ Dollars and ____ cents (\$____)	\$____
201.7	5 EA	DOUBLE GRATE CATCH BASIN ____ Dollars and ____ cents (\$____)	\$____
202	22 EA	MANHOLE ____ Dollars and ____ cents (\$____)	\$____
202.5	11 EA	MANHOLE (5 FOOT DIAMETER) ____ Dollars and ____ cents (\$____)	\$____

Town of Natick

Proposed Roadway Improvements to South Main Street

BID NUMBER:**BIDDER NAME:**

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
202.8	10 EA	MANHOLE WITH DEEP SUMP _____ Dollars and _____ cents (\$_____)	\$_____
204.	8 EA	GUTTER INLET _____ Dollars and _____ cents (\$_____)	\$_____
204.1	13 EA	DOUBLE GRATE GUTTER INLET _____ Dollars and _____ cents (\$_____)	\$_____
204.11	13 EA	GUTTER INLET - SPECIAL _____ Dollars and _____ cents (\$_____)	\$_____
220	31 EA	DRAINAGE STRUCTURE ADJUSTED _____ Dollars and _____ cents (\$_____)	\$_____
220.3	11 EA	DRAINAGE STRUCTURE CHANGE IN TYPE _____ Dollars and _____ cents (\$_____)	\$_____
220.5	6 EA	DRAINAGE STRUCTURE REMODELED _____ Dollars and _____ cents (\$_____)	\$_____
220.7	31 EA	SANITARY STRUCTURE ADJUSTED _____ Dollars and _____ cents (\$_____)	\$_____
220.8	4 EA	SANITARY STRUCTURE REMODELED _____ Dollars and _____ cents (\$_____)	\$_____

Town of Natick

Proposed Roadway Improvements to South Main Street

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
221.2	3 EA	CURB COVER AND FRAME ____ Dollars and ____ cents (\$____)	\$____
222.3	132 EA	FRAME AND GRATE (OR COVER) MUNICIPAL STANDARD ____ Dollars and ____ cents (\$____)	\$____
222.5	13 EA	4 INCH FRAME AND GRATE- HEAVY DUTY ____ Dollars and ____ cents (\$____)	\$____
223.2	49 EA	FRAME AND GRATE (OR COVER) REMOVED AND DISCARDED ____ Dollars and ____ cents (\$____)	\$____
224.12	44 EA	12 INCH HOOD ____ Dollars and ____ cents (\$____)	\$____
238.12	770 FT	12 INCH DUCTILE IRON PIPE ____ Dollars and ____ cents (\$____)	\$____
238.16	50 FT	16 INCH DUCTILE IRON PIPE ____ Dollars and ____ cents (\$____)	\$____
238.24	20 FT	24 INCH DUCTILE IRON PIPE ____ Dollars and ____ cents (\$____)	\$____
241.12	1075 FT	12 INCH REINFORCED CONCRETE PIPE ____ Dollars and ____ cents (\$____)	\$____

Town of Natick

Proposed Roadway Improvements to South Main Street

BID NUMBER:**BIDDER NAME:**

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
241.18	850 FT	18 INCH REINFORCED CONCRETE PIPE _____ Dollars and _____ cents (\$ _____)	\$ _____
241.24	150 FT	24 INCH REINFORCED CONCRETE PIPE _____ Dollars and _____ cents (\$ _____)	\$ _____
241.3	10 FT	30 INCH REINFORCED CONCRETE PIPE _____ Dollars and _____ cents (\$ _____)	\$ _____
241.36	15 FT	36 INCH REINFORCED CONCRETE PIPE _____ Dollars and _____ cents (\$ _____)	\$ _____
243.12	200 FT	12 INCH REINFORCED CONCRETE PIPE CLASS IV _____ Dollars and _____ cents (\$ _____)	\$ _____
244.12	50 FT	12 INCH REINFORCED CONCRETE PIPE CLASS V _____ Dollars and _____ cents (\$ _____)	\$ _____
244.18	180 FT	18 INCH REINFORCED CONCRETE PIPE CLASS V _____ Dollars and _____ cents (\$ _____)	\$ _____
244.24	40 FT	24 INCH REINFORCED CONCRETE PIPE CLASS V _____ Dollars and _____ cents (\$ _____)	\$ _____

Town of Natick

Proposed Roadway Improvements to South Main Street

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
250.06	30 FT	6 INCH POLYVINYL CHLORIDE SANITARY SEWER PIPE ____ Dollars and ____ cents (\$____)	\$____
268	2 EA	6 INCH SUBDRAIN CLEANOUT ____ Dollars and ____ cents (\$____)	\$____
269.06	340 FT	6 INCH SLOT-PERFORATED CORRUGATED PLASTIC PIPE (SUBDRAIN) ____ Dollars and ____ cents (\$____)	\$____
357	9 EA	GATE BOX ____ Dollars and ____ cents (\$____)	\$____
358	42 EA	GATE BOX ADJUSTED ____ Dollars and ____ cents (\$____)	\$____
381.01	12 EA	SERVICE BOX (MUNICIPAL STANDARD) ____ Dollars and ____ cents (\$____)	\$____
381.3	48 EA	SERVICE BOX ADJUSTED ____ Dollars and ____ cents (\$____)	\$____
403.	18750 SY	RECLAIMED PAVEMENT FOR BASE COURSE AND/OR SUB-BASE ____ Dollars and ____ cents (\$____)	\$____
403.1	325 TON	CRUSHED STONE FOR BLENDING ____ Dollars and ____ cents (\$____)	\$____

Town of Natick

Proposed Roadway Improvements to South Main Street

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
415	2040 SY	PAVEMENT MICROMILLING _____ Dollars and _____ cents (\$_____)	\$_____
443	230 MGL	WATER FOR ROADWAY DUST CONTROL _____ Dollars and _____ cents (\$_____)	\$_____
452	4025 GAL	ASPHALT EMULSION FOR TACK COAT _____ Dollars and _____ cents (\$_____)	\$_____
453	1150 FT	HMA JOINT SEALANT _____ Dollars and _____ cents (\$_____)	\$_____
460	8750 TON	HOT MIX ASPHALT _____ Dollars and _____ cents (\$_____)	\$_____
470.2	450 FT	HOT MIX ASPHALT BERM, TYPE A – MODIFIED _____ Dollars and _____ cents (\$_____)	\$_____
472	190 TON	ASPHALT MIXTURES FOR TEMPORARY WORK _____ Dollars and _____ cents (\$_____)	\$_____
504	270 FT	GRANITE CURB TYPE VA4 - STRAIGHT _____ Dollars and _____ cents (\$_____)	\$_____
504.1	450 FT	GRANITE CURB TYPE VA4 – CURVED _____ Dollars and _____ cents (\$_____)	\$_____

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
506	300 FT	GRANITE CURB TYPE VB - STRAIGHT ____ Dollars and ____ cents (\$____)	\$____
506.1	80 FT	GRANITE CURB TYPE VB - CURVED ____ Dollars and ____ cents (\$____)	\$____
509	1300 FT	GRANITE TRANSITION CURB FOR WHEELCHAIR RAMPS - STRAIGHT ____ Dollars and ____ cents (\$____)	\$____
509.1	180 FT	GRANITE TRANSITION CURB FOR WHEELCHAIR RAMPS - CURVED ____ Dollars and ____ cents (\$____)	\$____
510	90 FT	GRANITE EDGING TYPE SA ____ Dollars and ____ cents (\$____)	\$____
510.1	18 FT	GRANITE EDGING TYPE SA (RADIUS 10 FEET OR LESS) ____ Dollars and ____ cents (\$____)	\$____
514	9 EA	GRANITE CURB INLET - STRAIGHT ____ Dollars and ____ cents (\$____)	\$____
514.1	5 EA	GRANITE CURB INLET DOUBLE WIDE - STRAIGHT ____ Dollars and ____ cents (\$____)	\$____

Town of Natick

Proposed Roadway Improvements to South Main Street

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
580	7020 FT	CURB REMOVED AND RESET _____ Dollars and _____ cents (\$_____)	\$_____
581	28 EA	CURB INLET REMOVED AND RESET _____ Dollars and _____ cents (\$_____)	\$_____
582	1 EA	CURB CORNER REMOVED AND RESET _____ Dollars and _____ cents (\$_____)	\$_____
594	2450 FT	CURB REMOVED AND DISCARDED _____ Dollars and _____ cents (\$_____)	\$_____
620.13	475 FT	GUARDRAIL, TL-3 (SINGLE FACED) _____ Dollars and _____ cents (\$_____)	\$_____
620.33	63 FT	GUARDRAIL - CURVED, TL-3 (SINGLE FACED) _____ Dollars and _____ cents (\$_____)	\$_____
627.1	1 EA	TRAILING ANCHORAGE _____ Dollars and _____ cents (\$_____)	\$_____
627.93	1 EA	GUARDRAIL FLARED END TREATMENT, TL-3 _____ Dollars and _____ cents (\$_____)	\$_____
628.21	6 EA	TRANSITION TO NCHRP 350 GUARDRAIL _____ Dollars and _____ cents (\$_____)	\$_____

Town of Natick

Proposed Roadway Improvements to South Main Street

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
630	1800 FT	HIGHWAY GUARD REMOVED AND RESET _____ Dollars and _____ cents (\$_____)	\$_____
630.2	550 FT	HIGHWAY GUARD REMOVED AND DISCARDED _____ Dollars and _____ cents (\$_____)	\$_____
634	10 EA	W BEAM GUARD PANEL _____ Dollars and _____ cents (\$_____)	\$_____
669	25 FT	FENCE REMOVED AND STACKED _____ Dollars and _____ cents (\$_____)	\$_____
670	570 FT	FENCE REMOVED AND RESET _____ Dollars and _____ cents (\$_____)	\$_____
685	80 CY	STONE MASONRY WALL IN CEMENT MORTAR _____ Dollars and _____ cents (\$_____)	\$_____
697.11	120 EA	INLET SEDIMENT FILTER BAG _____ Dollars and _____ cents (\$_____)	\$_____
698.4	2400 SY	GEOTEXTILE FABRIC FOR PERMANENT EROSION CONTROL _____ Dollars and _____ cents (\$_____)	\$_____

Town of Natick

Proposed Roadway Improvements to South Main Street

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
701	100 SY	CEMENT CONCRETE SIDEWALK ____ Dollars and ____ cents (\$____)	\$____
701.2	320 SY	CEMENT CONCRETE WHEELCHAIR RAMP ____ Dollars and ____ cents (\$____)	\$____
702	550 TON	HOT MIX ASPHALT WALK SURFACE ____ Dollars and ____ cents (\$____)	\$____
703	375 TON	HOT MIX ASPHALT DRIVEWAY ____ Dollars and ____ cents (\$____)	\$____
703.9	525 SF	IMPRINTED CROSSWALK ____ Dollars and ____ cents (\$____)	\$____
704.2	10 SY	GRAVEL FOR DRIVEWAYS ____ Dollars and ____ cents (\$____)	\$____
705.1	1 SY	FLAGSTONE WALK REMOVED AND RESET ____ Dollars and ____ cents (\$____)	\$____
706.1	10 SY	BRICK WALK REMOVED AND RELAID ____ Dollars and ____ cents (\$____)	\$____
710.4	3 EA	BOUND - PLAIN GRANITE ____ Dollars and ____ cents (\$____)	\$____

Town of Natick

Proposed Roadway Improvements to South Main Street

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
711	11 EA	BOUND REMOVED AND RESET ____ Dollars and ____ cents (\$____)	\$____
715	21 EA	RURAL MAIL BOX REMOVED AND RESET ____ Dollars and ____ cents (\$____)	\$____
751	525 CY	LOAM BORROW ____ Dollars and ____ cents (\$____)	\$____
756	1 LS	NPDES STORMWATER POLLUTION PREVENTION PLAN ____ Dollars and ____ cents (\$____)	\$____
765	4700 SY	SEEDING ____ Dollars and ____ cents (\$____)	\$____
767.122	2750 LF	FILTER TUBE ____ Dollars and ____ cents (\$____)	\$____
767.2	4700 SY	HAY MULCH ____ Dollars and ____ cents (\$____)	\$____
767.6	15 CY	AGED PINE BARK MULCH ____ Dollars and ____ cents (\$____)	\$____
769	2250 FT	PAVEMENT MILLING MULCH UNDER GUARD RAIL ____ Dollars and ____ cents (\$____)	\$____

Town of Natick

Proposed Roadway Improvements to South Main Street

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
804.3	210 FT	3 INCH ELECTRICAL CONDUIT TYPE NM - PLASTIC -(UL) ____ Dollars and ____ cents (\$____)	\$____
811.31	6 EA	PULL BOX 12 X 12 INCHES - SD2.031 ____ Dollars and ____ cents (\$____)	\$____
815.11	2 EA	FLASHING BEACON SCHOOL ZONE SIGN (SOLAR) ____ Dollars and ____ cents (\$____)	\$____
815.13	4 EA	LED ILLUMINATED SIGN AND POST (SOLAR) ____ Dollars and ____ cents (\$____)	\$____
815.15	3 EA	RECTANGULAR RAPID FLASHING BEACON SYSTEM (AC) ____ Dollars and ____ cents (\$____)	\$____
832	274 SF	WARNING-REGULATORY AND ROUTE MARKER - ALUMINUM PANEL (TYPE A) ____ Dollars and ____ cents (\$____)	\$____
833.5	105 EA	DEMOUNTABLE REFLECTORIZED DELINEATOR - GUARD RAIL ____ Dollars and ____ cents (\$____)	\$____
833.7	6 EA	DELINEATION FOR GUARD RAIL TERMINI ____ Dollars and ____ cents (\$____)	\$____

Town of Natick

Proposed Roadway Improvements to South Main Street

BID NUMBER:**BIDDER NAME:**

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
847.1	48 EA	SIGN SUP (N/GUIDE)+ RTE MKR W/1 BRKWAY POST ASSEMBLY - STEEL ____ Dollars and ____ cents (\$____)	\$____
851.2	1 LS	TRAFFIC CONTROLS FOR CONSTRUCTION ____ Dollars and ____ cents (\$____)	\$____
854.014	50000 FT	TEMPORARY PAVING MARKINGS - 4 INCH (PAINT) ____ Dollars and ____ cents (\$____)	\$____
854.018	912 FT	TEMPORARY PAVING MARKINGS - 8 INCH (PAINT) ____ Dollars and ____ cents (\$____)	\$____
854.112	7000 FT	TEMPORARY PAVING MARKINGS - 12 INCH (PAINT) ____ Dollars and ____ cents (\$____)	\$____
860.104	12500 FT	4 INCH REFLECTORIZED WHITE LINE (PAINTED) ____ Dollars and ____ cents (\$____)	\$____
860.108	75 FT	8 INCH REFLECTORIZED WHITE LINE (PAINTED) ____ Dollars and ____ cents (\$____)	\$____

Town of Natick

Proposed Roadway Improvements to South Main Street

BID NUMBER:

BIDDER NAME:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
860.112	3150 FT	12 INCH REFLECTORIZED WHITE LINE (PAINTED) ____ Dollars and ____ cents (\$_____)	\$_____
861.104	12150 FT	4 INCH REFLECTORIZED YELLOW LINE (PAINTED) ____ Dollars and ____ cents (\$_____)	\$_____
861.108	330 FT	8 INCH REFLECTORIZED YELLOW LINE (PAINTED) ____ Dollars and ____ cents (\$_____)	\$_____
864	35 SF	PAVEMENT ARROW REFLECTORIZED WHITE (PAINTED) ____ Dollars and ____ cents (\$_____)	\$_____
864.12	2300 SF	GREEN ROADWAY SHOULDER PAVEMENT MARKING ____ Dollars and ____ cents (\$_____)	\$_____
874	18 EA	STREET NAME SIGN ____ Dollars and ____ cents (\$_____)	\$_____
874.2	1 EA	TRAFFIC SIGN REMOVED AND RESET ____ Dollars and ____ cents (\$_____)	\$_____
874.4	78 EA	TRAFFIC SIGN REMOVED AND STACKED ____ Dollars and ____ cents (\$_____)	\$_____

Town of Natick

Proposed Roadway Improvements to South Main Street

BID NUMBER:**BIDDER NAME:**

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
877.2	41 EA	SIGN POST REMOVED AND STACKED	
		_____ Dollars and	
		_____ cents (\$ _____)	\$ _____
999.001	3840 HR	POLICE DETAIL	
		_____ Dollars and	
		_____ cents (\$ _____)	\$ _____
		TOTAL BASE BID	
		_____ Dollars and	
		_____ cents (\$ _____)	\$ _____

Town of Natick

Proposed Roadway Improvements to South Main Street

ADD ALTERNATE NO. 1:

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
101	0.13 A	CLEARING AND GRUBBING _____ Dollars and _____ cents (\$ _____)	\$ _____
102.1	105 FT	TREE TRIMMING _____ Dollars and _____ cents (\$ _____)	\$ _____
105	29 EA	STUMP REMOVED _____ Dollars and _____ cents (\$ _____)	\$ _____
120	1050 CY	EARTH EXCAVATION _____ Dollars and _____ cents (\$ _____)	\$ _____
121	40 CY	CLASS A ROCK EXCAVATION _____ Dollars and _____ cents (\$ _____)	\$ _____
144	25 CY	CLASS B ROCK EXCAVATION _____ Dollars and _____ cents (\$ _____)	\$ _____
151	432 CY	GRAVEL BORROW _____ Dollars and _____ cents (\$ _____)	\$ _____
170	1300 SY	FINE GRADING AND COMPACTING – SUBGRADE AREA _____ Dollars and _____ cents (\$ _____)	\$ _____

Town of Natick

Proposed Roadway Improvements to South Main Street

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
509	270 FT	GRANITE TRANSITION CURB FOR WHEELCHAIR RAMPS – STRAIGHT _____ Dollars and _____ cents (\$ _____)	\$ _____
509.1	90 FT	GRANITE TRANSITION CURB FOR WHEELCHAIR RAMPS - CURVED _____ Dollars and _____ cents (\$ _____)	\$ _____
685	155 CY	STONE MASONRY WALL IN CEMENT MORTAR _____ Dollars and _____ cents (\$ _____)	\$ _____
698.4	2850 SY	GEOTEXTILE FABRIC FOR PERMANENT EROSION CONTROL _____ Dollars and _____ cents (\$ _____)	\$ _____
701.2	180 SY	CEMENT CONCRETE WHEELCHAIR RAMP _____ Dollars and _____ cents (\$ _____)	\$ _____
702	156 TON	HOT MIX ASPHALT WALK SURFACE _____ Dollars and _____ cents (\$ _____)	\$ _____
703	42 TON	HOT MIX ASPHALT DRIVEWAY _____ Dollars and _____ cents (\$ _____)	\$ _____
703.9	295 SF	IMPRINTED CROSSWALK _____ Dollars and _____ cents (\$ _____)	\$ _____

Town of Natick

Proposed Roadway Improvements to South Main Street

Item No.	Estimated Quantity	Brief Description; Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures (Unit Price Times Est. Quantity)
751	214 CY	LOAM BORROW _____ Dollars and _____ cents (\$ _____)	\$ _____
765	1050 SY	SEEDING _____ Dollars and _____ cents (\$ _____)	\$ _____
767.2	1050 SY	HAY MULCH _____ Dollars and _____ cents (\$ _____)	\$ _____
815.14	2 EA	RECTANGULAR RAPID FLASHING BEACON SYSTEM (SOLAR) _____ Dollars and _____ cents (\$ _____)	\$ _____
832	9 SF	WARNING – REGULATORY AND ROUTE MARKER – ALUMINUM PANEL (TYPE A) _____ Dollars and _____ cents (\$ _____)	\$ _____
847.1	1 EA	SIGN SUP (N/GUIDE)+RTE MKR W/1 BRKWAY POST ASSEMBLY - STEEL _____ Dollars and _____ cents (\$ _____)	\$ _____
860.112	1116 FT	12 INCH REFLECTOIZED WHITE LINE (PAINTED) _____ Dollars and _____ cents (\$ _____)	\$ _____

Town of Natick

Proposed Roadway Improvements to South Main Street

TOTAL BID INCLUSIVE OF ADD ALTERNATE NO. 1:

TOTAL BID

Dollars and

cents (\$) \$

PROPOSED FULL DEPTH PAVEMENT RECLAIMATION

SURFACE COURSE:	1-1/2" HOT MIX ASPHALT SURFACE TOP COURSE
INTERMEDIATE COURSE:	5" HOT MIX ASPHALT INTERMEDIATE BINDER COURSE (TO BE INSTALLED IN 2 LIFTS OF 2.5")
SUBBASE:	8" RECLAIMED PAVEMENT MEETING ITEM 403

PROPOSED BOX WIDENING

SURFACE COURSE: 1-1/2" HOT MIX ASPHALT SURFACE TOP COURSE
INTERMEDIATE COURSE: 5" HOT MIX ASPHALT INTERMEDIATE BINDER COURSE
(TO BE INSTALLED IN 2 LIFTS OF 2.5")
SURBASE: 9" RECLAIMED PAVEMENT MEETING ITEM 403

SURBASE:

PROPOSED PAVEMENT MILLING & RESURFACING

1.12' DEPTH

PAVEMENT MILLING, 1-1/2" DEPTH
1-1/2" HOT MIX ASPHALT SURFACE TOP COURSE
DESIGNEACING

PROPOSED HOT MIX ASPHALT WALK

1-1/4" HOT N
ALL PARTS OF COILS

INTERMEDIATE COURSE: 1-1/4" HOT MIX ASPHALT SURFACE TOP COURSE

CONTINUED

WOODBURN CEMENT CONCRETE WALKWHEEL CHAIR RAMP

PROPOSED CEMENT CONCRETE WALL

WALK/RAMP SURFACE: 4" CEMENT CONCRETE

DRIVEWAY SURFACE: 6" CEMENT CONCRETE

RECEIVED
JAN 15 1964

FOUNDATION:



PROPOSED HMA DRIVEWAY

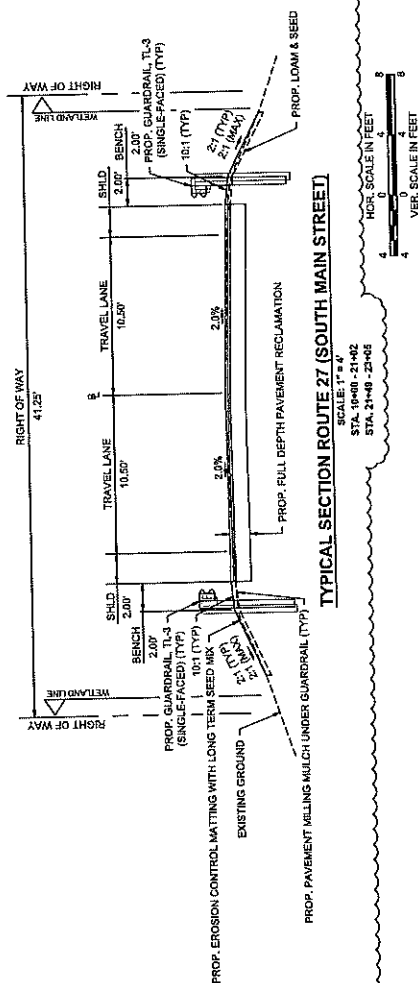
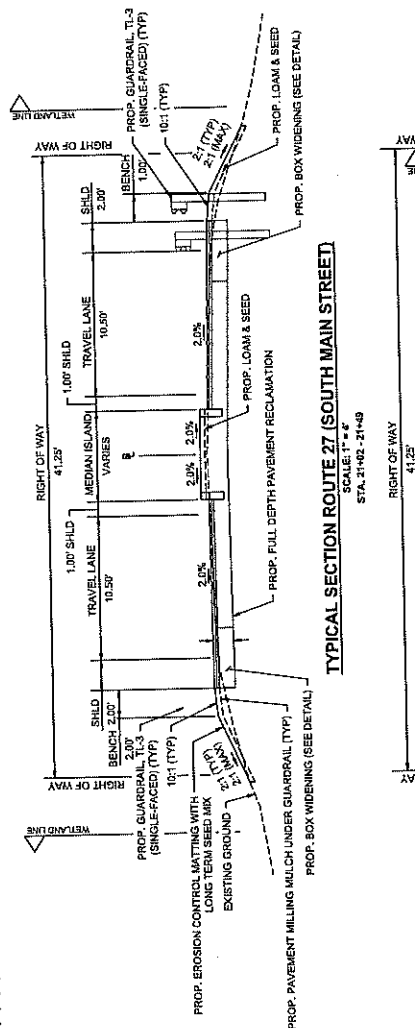
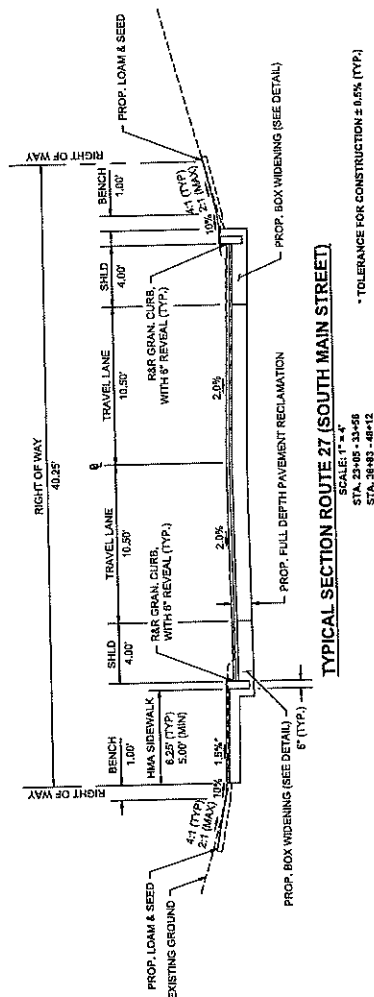
SURFACE COURSE: 1-1/2" HOT MIX ASPHALT SURFACE TOP COURSE

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

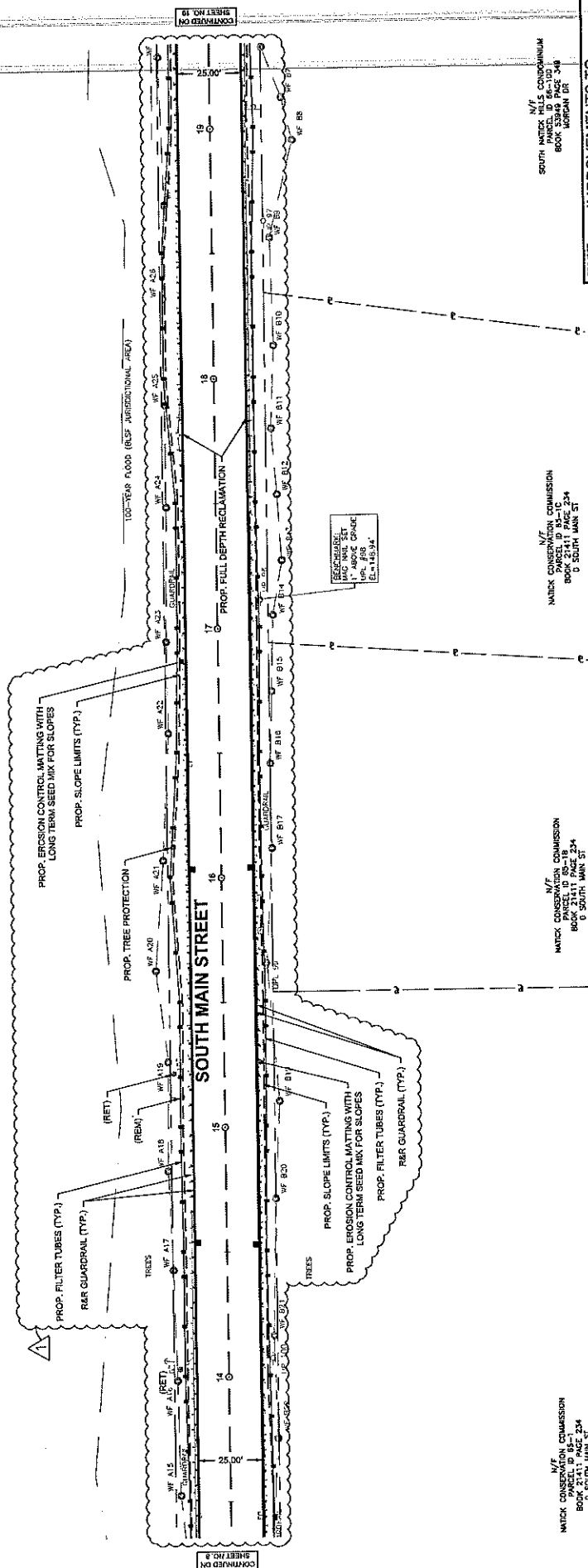
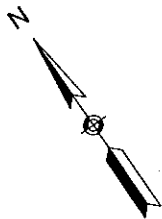
INTERMEDIATE COURSE: 2" HOT MIX ASPHALT SURF

NOTE: TACK COAT SHALL BE APPLIED BETWEEN PAVEMENT LAYERS AT A RATE OF 0.08 GALLONS PER SQUARE YARD ON NEW PAVEMENT AND ON MILLED SURFACES AT A RATE OF 0.03 GALLONS PER SQUARE YARD.

PROJECT:	IMPROVEMENTS TO SOUTH MAIN STREET	
DESIGN SUBMISSION:	BID DOCUMENTS	
DRAWING TITLE:	TYPICAL SECTIONS	
PREPARED FOR:	TOWN OF NATICK DEPARTMENT OF PUBLIC WORKS 75 WEBB STREET NATICK, MASSACHUSETTS	
	PREPARED BY: GREEN INTERNATIONAL AFFILIATES, INC. (978) 923-5400 GreenInc.com Civil and Structural Engineers Wellesley, Massachusetts	
	SCALE: AS NOTED DATE: 11/17/2019 PROJECT NO. 106-01-01	
PAYMENT NOTES AND BIDDING QUANTAL	DESIGNED BY: MB DRAWN BY: JL CHECKED BY: EA	SHEET NO. 5 OF 178



N/F
INHABITANTS OF
THE TOWN OF NATICK
PARCEL ID 59--10
BOOK 9872 PAGE 314
251 SOUTH MAIN ST



N/F
NATICK CONSERVATION COMMISSION
PARCEL ID 85-1
BOOK 21411 PAGE 234
0 SOUTH MAIN ST

N/F
NATICK CONSERVATION COMMISSION
PARCEL ID 63-18
BOOK 21411 PAGE 234
ON SOUTH MAIN ST

N/F
NATICK CONSERVATION COMMISSION
PARCEL ID 85-1C
BOOK 21411 PAGE 234
ON SOUTH MAIN ST

N/F
SOUTH NATEX HILLS CONDOMINIUM
PARCEL ID 66-100
BOOK 53949 PAGE 340

234

0 SOUTH MAIN ST

10. Since $\mathbf{A}^2 = \mathbf{A}$, $\mathbf{A}^3 = \mathbf{A}^2 \mathbf{A} = \mathbf{A} \mathbf{A} = \mathbf{A}$.

IMPROVEMENTS TO SOUTH MAIN STREET

ON: BID DOCUMENTS

CONSTRUCTION PLAN:

TOWN OF NATICK

**TOWN OF NATICK
DEPARTMENT OF PUBLIC WORKS
76 WEST STREET
NATICK, MASSACHUSETTS**

PREPARED BY:

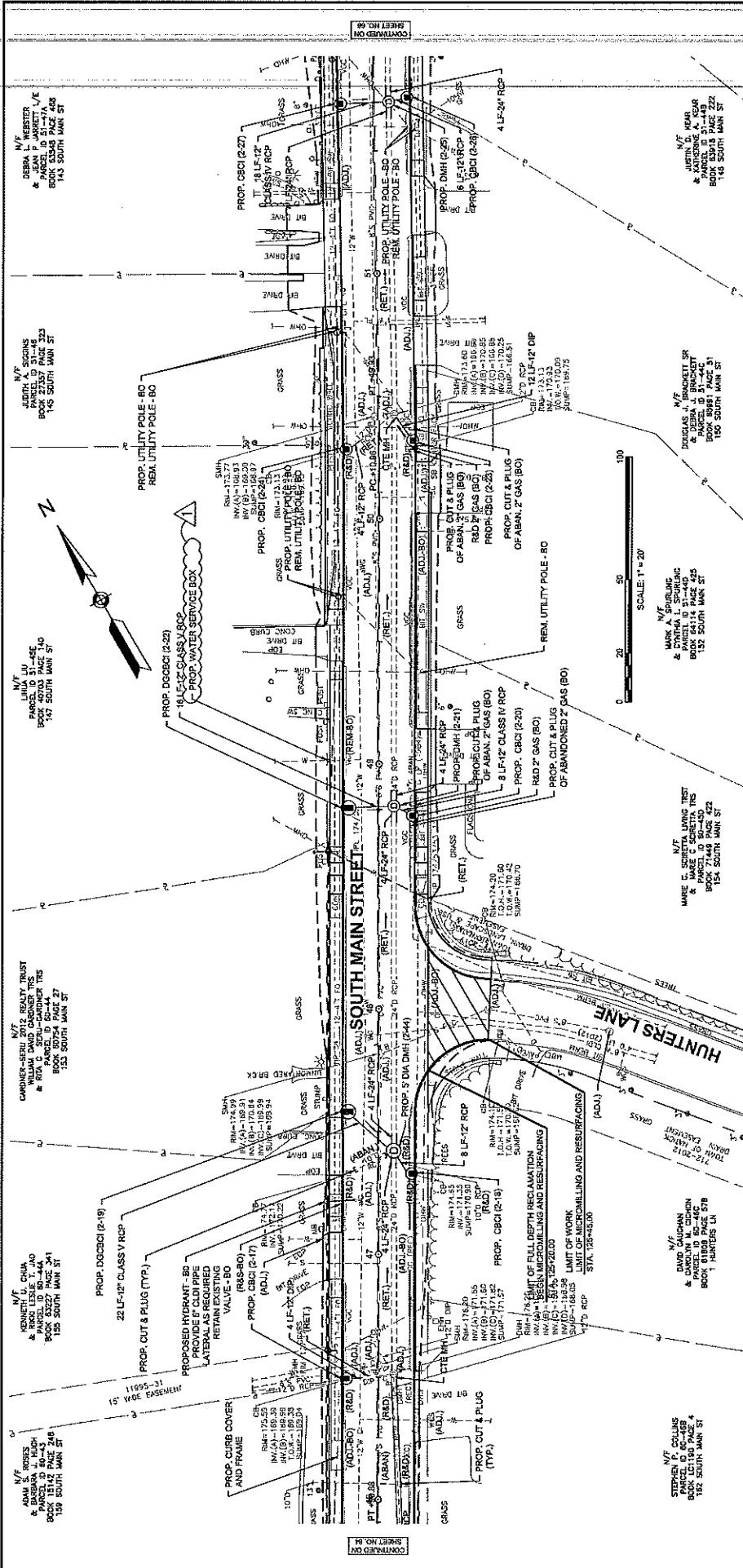
[illegible]

NOTES:

1. SEE DRAINAGE AND UTILITY PLANS FOR PROPOSED DISPOSITION OF ALL EXISTING AND PROPOSED UTILITIES, DRAINAGE, SEWER AND WATER.
2. CONTRACTOR TO MARK LOCATIONS OF DRAIN PIPES FROM GUTTER INLETS PRIOR TO SETTING POSTS FOR GUARDRAIL.

[illegible]

DRAINAGE STRUCTURE DATA					
TYPE & STATION	GPS#	RIM ELEV.	INlet ELEV-IN	INlet ELEV. OUT	REMARKS
PROP. CIRC(27) STA. 40+42	14.5 RT	237.00		186.60	
EX. DRAIN STA. 40+43	5.89 LT	237.14	187.47 CIRC(27) 186.00 CIRC(28)	ME	
PROP. DRAIN STA. 41+02	6.59 RT	230.78	186.00 CIRC(28) 186.15 EX DRAIN 40+41 LT	ME	
PROP. CIRC(28) STA. 41+02	14.5 LT	220.82		187.00	
PROP. DRAIN (240) STA. 42+25	4.81 LT	191.20	186.75 CIRC(31) 187.31 CIRC(30) 186.15 EX DRAIN 42+24 LT	185.50	
PROP. CIRC(31) STA. 42+25	14.5 RT	187.27		187.40	
PROP. CIRC(30) STA. 42+44	14.5 LT	187.21		187.00	



DRAINAGE STRUCTURE DATA				DRAINAGE STRUCTURE DATA			
TYPE & STATION	OFFSET	R/W ELEV.	INV. ELEV. IN	TYPE & STATION	OFFSET	R/W ELEV.	INV. ELEV. IN
PROP. CIRC(24) STA. 40+80	5.8 RT	174.70	173.30 (CIRC(24) STA. 40+80)	PROP. CIRC(24) STA. 40+80	5.8 RT	174.70	173.30 (CIRC(24) STA. 40+80)
PROP. CIRC(24) STA. 40+79	14.5 RT	174.57	173.17	PROP. CIRC(24) STA. 40+79	14.5 RT	174.57	173.17
PROP. CIRC(24) STA. 40+29	14.5 LT	173.29	171.89	PROP. CIRC(24) STA. 40+29	14.5 LT	173.29	171.89
EX. DMH STA. 40+43	6.1 RT	173.00	171.60	EX. DMH STA. 40+43	6.1 RT	173.00	171.60
PROP. CIRC(24) STA. 40+25	14.5 RT	173.19	171.79	PROP. CIRC(24) STA. 40+25	14.5 RT	173.19	171.79
PROP. CIRC(24) STA. 40+16	6.2 RT	171.87	170.47	PROP. CIRC(24) STA. 40+16	6.2 RT	171.87	170.47
PROP. CIRC(24) STA. 40+12	14.5 RT	171.76	170.36	PROP. CIRC(24) STA. 40+12	14.5 RT	171.76	170.36
PROP. CIRC(24) STA. 40+08	14.5 LT	171.73	170.33	PROP. CIRC(24) STA. 40+08	14.5 LT	171.73	170.33

PROJECT: IMPROVEMENTS TO SOUTH MAIN STREET

DESIGN SUBMISSION: BID DOCUMENTS

DRAWING TITLE: DRAINAGE AND UTILITY PLANS

PREPARED FOR: TOWN OF NATICK DEPARTMENT OF PUBLIC WORKS 75 WEST STREET NATICK, MASSACHUSETTS

PREPARED BY: GREEN INTERNATIONAL AFFILIATES, INC. 1781 173-0000 Westford, Massachusetts Greenhill.com

SCALE: AS NOTED

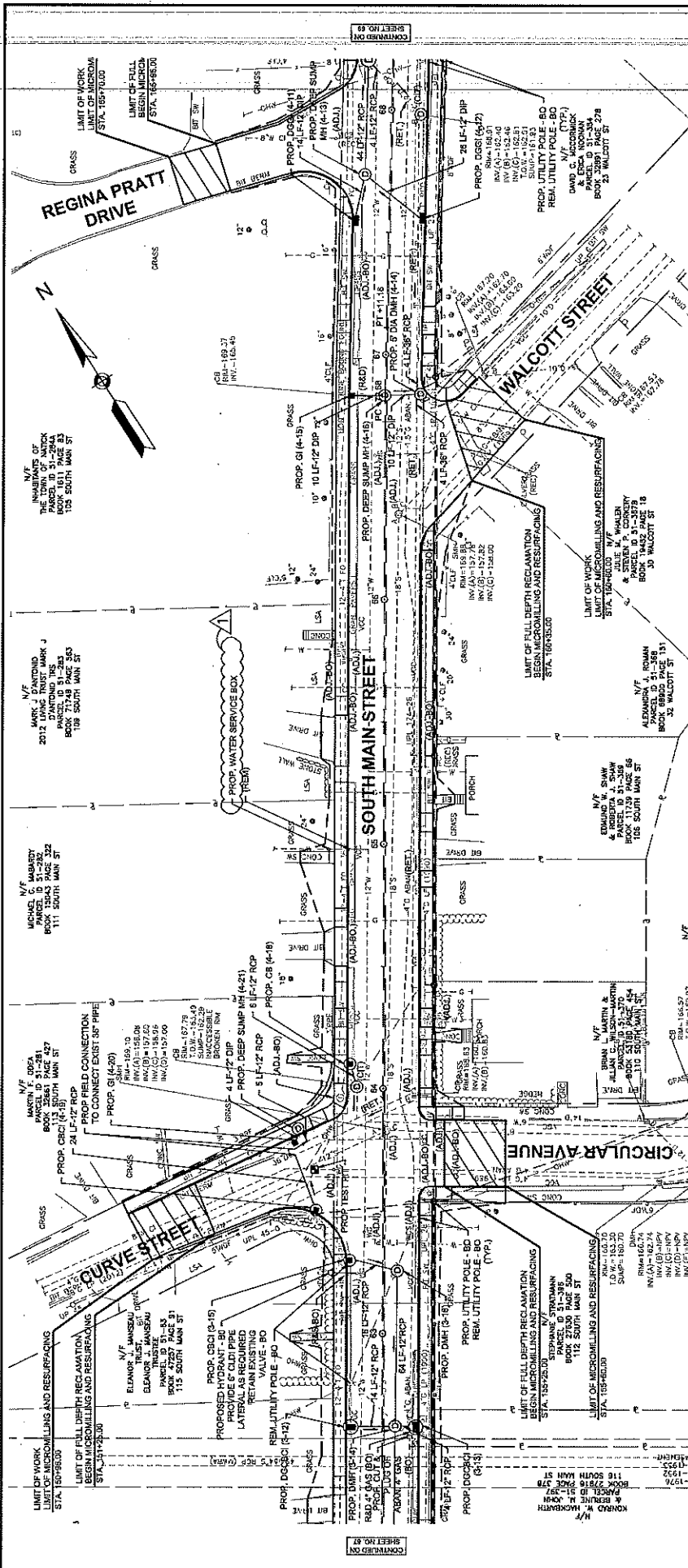
DATE: 10/20/19

DESIGNED BY: JG

DRAWN BY: MS

CHECKED BY: AS

SHEET: 65 OF 176



DRAINAGE STRUCTURE DATA

TYPE & STATION	OFFSET	R/W ELEV.	INV. ELEV. IN	INV. ELEV. OUT	REMARKS
PROP. 2 DIA. DRAIN (4-15) STA. 64+44	14.4 FT	168.45	168.45	167.80	
PROP. DEEP SUMP (4-15) STA. 64+44	6.4 FT	168.76	168.76	169.70	
PROP. C&G (4-15) STA. 64+45	14.5 FT	168.50	168.50	167.00	
PROP. DRAIN (4-15) STA. 64+46	14.5 FT	168.27	168.27	166.77	
PROP. DEEP SUMP (4-15) STA. 64+47	10.3 FT	168.40	168.40	164.39	
PROP. DRAIN (4-15) STA. 64+48	14.5 FT	168.24	168.24	166.74	
PROP. DEEP SUMP (4-15) STA. 64+49	12.1 FT	168.38	168.38	162.40	
PROP. DEEP SUMP (4-15) STA. 64+50	24.5 FT	168.87	168.87	163.78	

DRAINAGE STRUCTURE DATA

TYPE & STATION	OFFSET	R/W ELEV.	INV. ELEV. IN	INV. ELEV. OUT	REMARKS
PROP. DRAIN (4-15) STA. 64+51	14.5 FT	167.80	167.80	163.50	
PROP. DRAIN (4-15) STA. 64+52	5.0 FT	167.58	167.58	163.45	
PROP. DRAIN (4-15) STA. 64+53	14.6 FT	167.21	167.21	163.35	
PROP. DRAIN (4-15) STA. 64+54	5.8 FT	166.50	166.50	163.31	
PROP. DRAIN (4-15) STA. 64+55	14.5 FT	166.41	166.41	164.11	
PROP. DRAIN (4-15) STA. 64+56	10.7 FT	166.06	166.06	163.39	
PROP. DRAIN (4-15) STA. 64+57	14.5 FT	166.06	166.06	163.60	
PROP. DRAIN (4-15) STA. 64+58	27.2 FT	166.82	166.82	164.10	
PROP. DRAIN (4-15) STA. 64+59	35.9 FT	166.41	166.41	166.21	

PROJECT: IMPROVEMENTS TO SOUTH MAIN STREET

DESIGN SUBMISSION: BID DOCUMENTS

DRAWING TITLE: DRAINAGE AND UTILITY PLANS

PREPARED FOR: TOWN OF NANTUCKET DEPARTMENT OF PUBLIC WORKS

PREPARED BY: GREEN INTERNATIONAL AFFILIATES, INC.

SCALE: AS NOTED

DATE: 11/27/2018

DESIGNED BY: HC

DRAWN BY: HG

CHECKED BY: AS

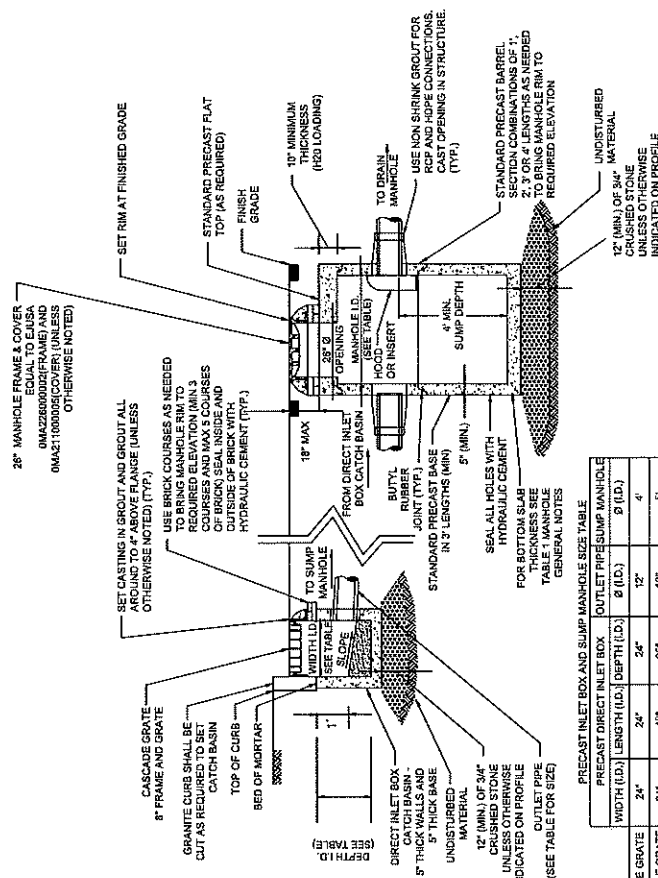
SHEET NO: 68 OF 176

REVISIONS

NO.	DATE	REVISIONS
1	12/11/18	SERVICE WATER GATE BOX CALL OUT REVISED

GENERAL DRAINAGE NOTES:

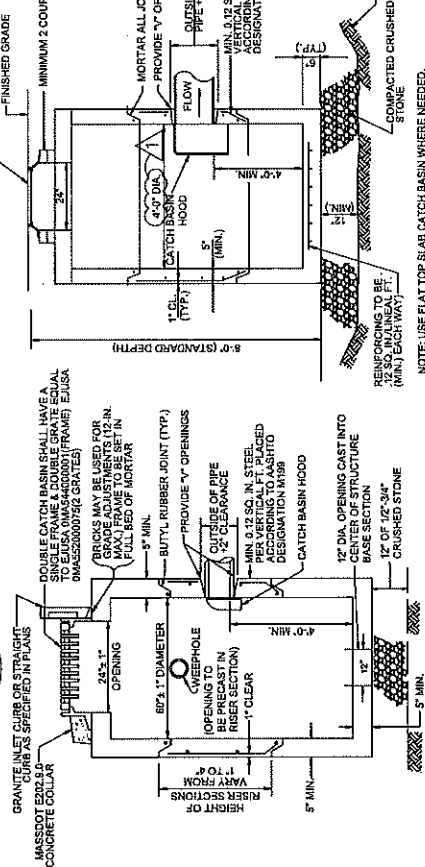
1. CRUSHED STONE SHALL NOT BE PLACED BELOW DRAINAGE PIPE WITH THE EXCEPTION OF PVC PIPE AND SUBIRAN PIPE. ANY CRUSHED STONE PLACED BELOW DRAINAGE PIPE WILL BE AT THE COST OF THE CONTRACTOR.
2. ALL OBJECTS TO THE CATCH BASINS ARE TO THE BACK CENTER OF THE GRATE. THE LOCATION AND ORIENTATION OF THE BELOW GRADE STRUCTURE SHALL BE FIELD COORDINATED BY THE CONTRACTOR TO AVOID CONFLICTS WITH EXISTING UTILITIES.
3. ALL STRUCTURES SHOULD HAVE ECCENTRIC CONES UNLESS THEY ARE FLAT SLABS OR AS OTHERWISE DIRECTED BY THE ENGINEER.
4. ALL STRUCTURES SHALL MEET HS-25 LOADING.
5. ALL STRUCTURES TO BE MANUFACTURED TO MEET OR EXCEED ASTM C-478 AND 44SH10 M199 SPECS.
6. ALL REINFORCING FOR EACH STRUCTURE SHALL CONFORM TO ASTM A-195 AND BE PLACED AS PER ASTM C-478.
7. ALL CONCRETE TO BE 4000 PSI (MINIMUM) CEMENT PER ASTM C-478.
8. BUTYL RUBBER JOINT SEALANT PER ASTM C-550 AND ASHTO M-156. WATERPROOFING PER CONTRACT SPECS.



PRECAST INLET BOX AND SUMP MANHOLE SIZE TABLE			
PRECAST DIRECT INLET BOX		OUTLET PIPE SUMP MANHOLE	
	WIDTH (I.D.)	LENGTH (I.D.)	DEPTH (I.D.)
SINGLE GRATE	24"	24"	12"
DOUBLE GRATE	24"	48"	12"
			5'

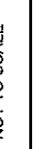
SINGLE / DOUBLE GRATE GUTTER INLET AND DEEP SUMP MANHOLE


SPECIAL GUTTER INLET
NOT TO SCALE

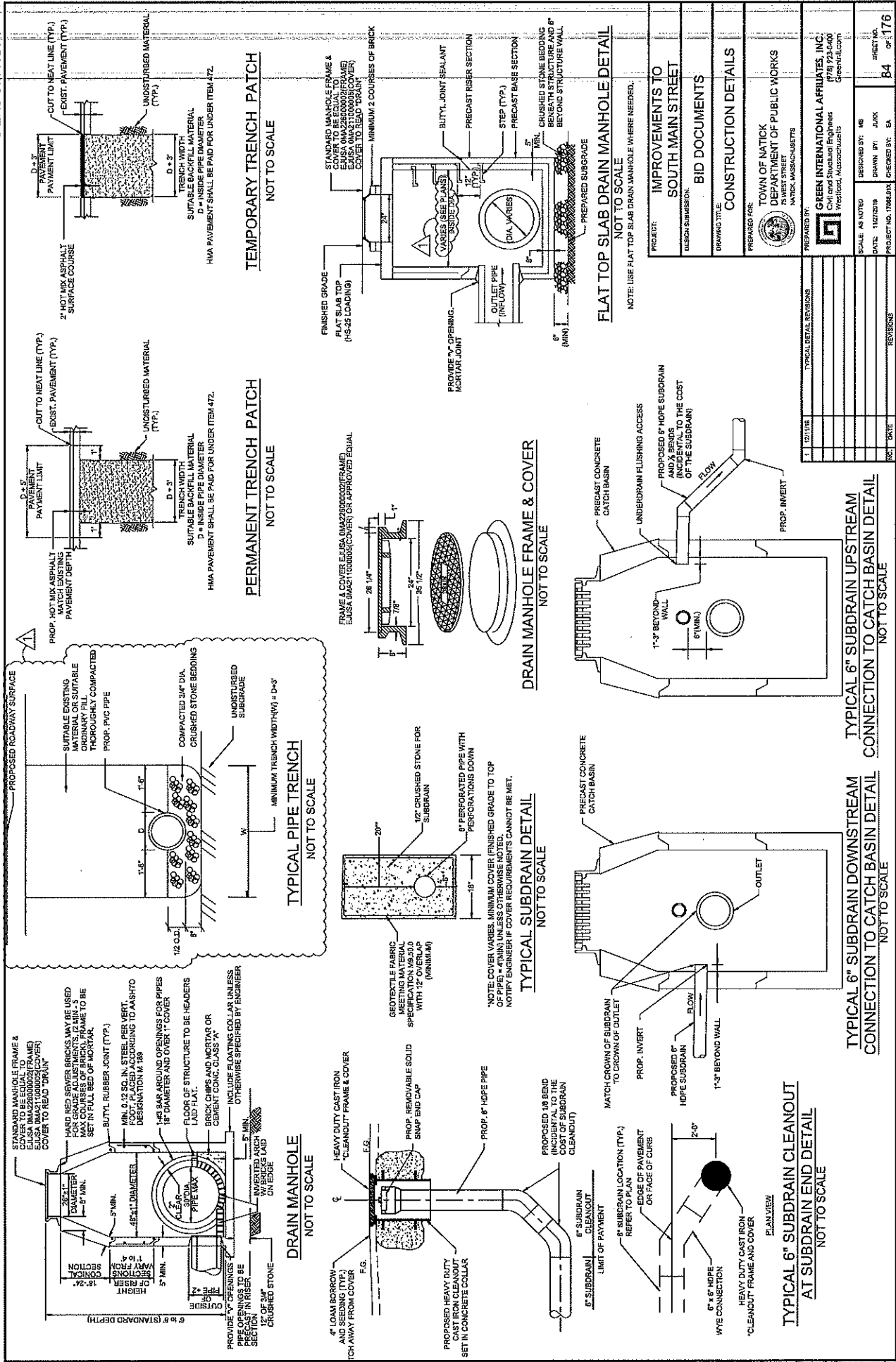


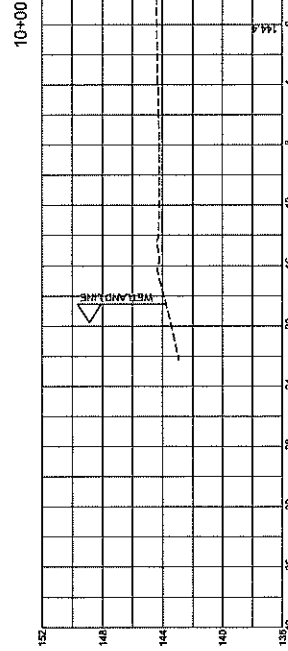
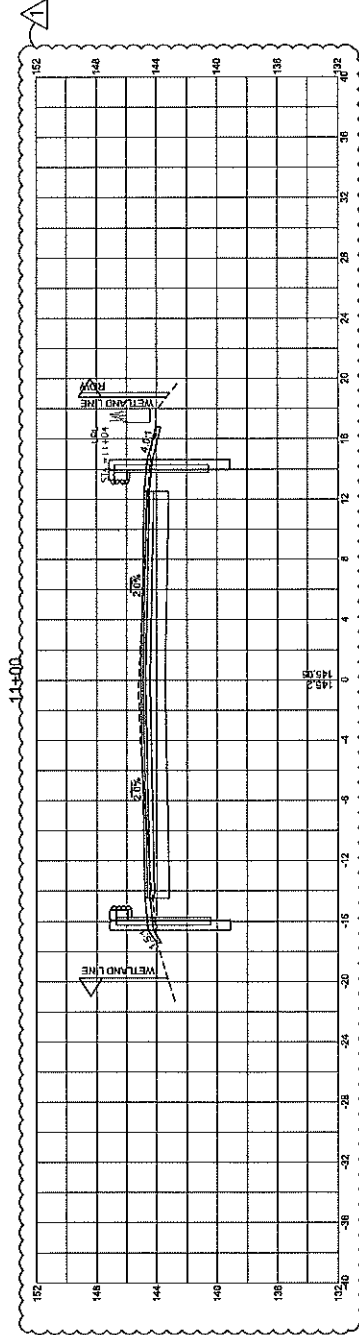
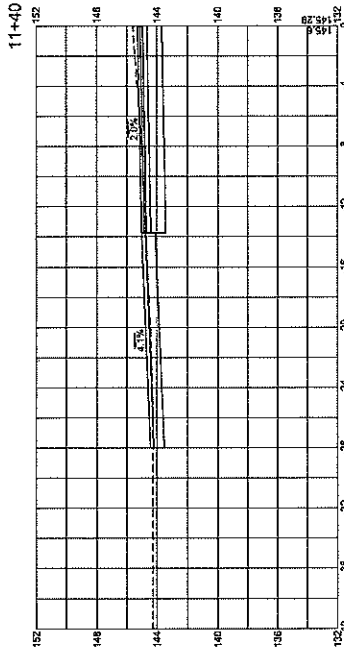
FLAT TOP SLAB CATCH BASIN
NOT TO SCALE

CATCH BASIN
NOT TO SCALE



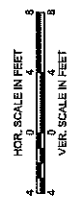
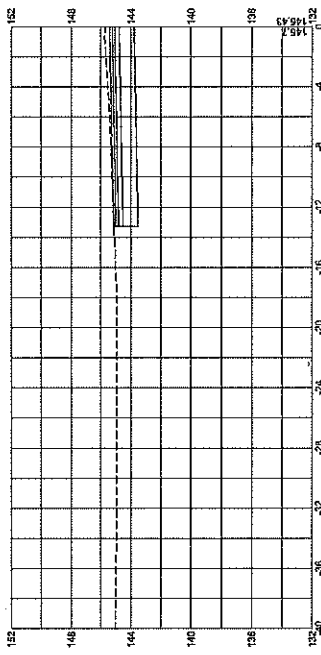
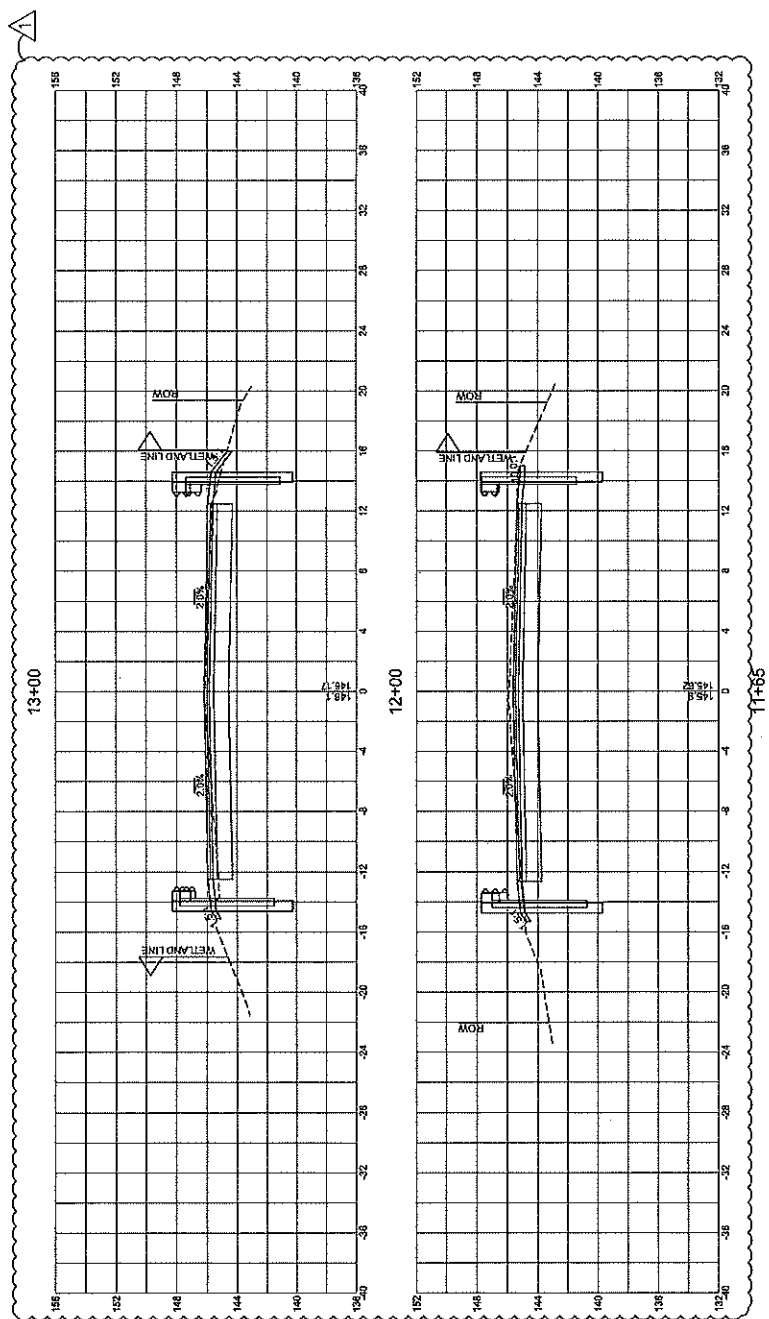
PROJECT: IMPROVEMENTS TO SOUTH MAIN STREET	BID DOCUMENTS		DRAWING TITLE: CONSTRUCTION DETAILS	
DESIGN SUBMISSION:		PREPARED FOR: TOWN OF NATICK DEPARTMENT OF PUBLIC WORKS NATICK, MASSACHUSETTS		
PREPARED BY: 		GREEN INTERNATIONAL AFFILIATES, INC. 100 Highland Avenue, Suite 100 Woburn, Massachusetts 01801 781-938-8800 GreenIntl.com		
DATE: 11/27/2018	SCALE: AS NOTED	DESIGNED BY: MA	DRAWN BY: AJLK	CHECKED BY: EA
PROJECT NO. 11030-18-01	SHEET NO. 83		OF 176	




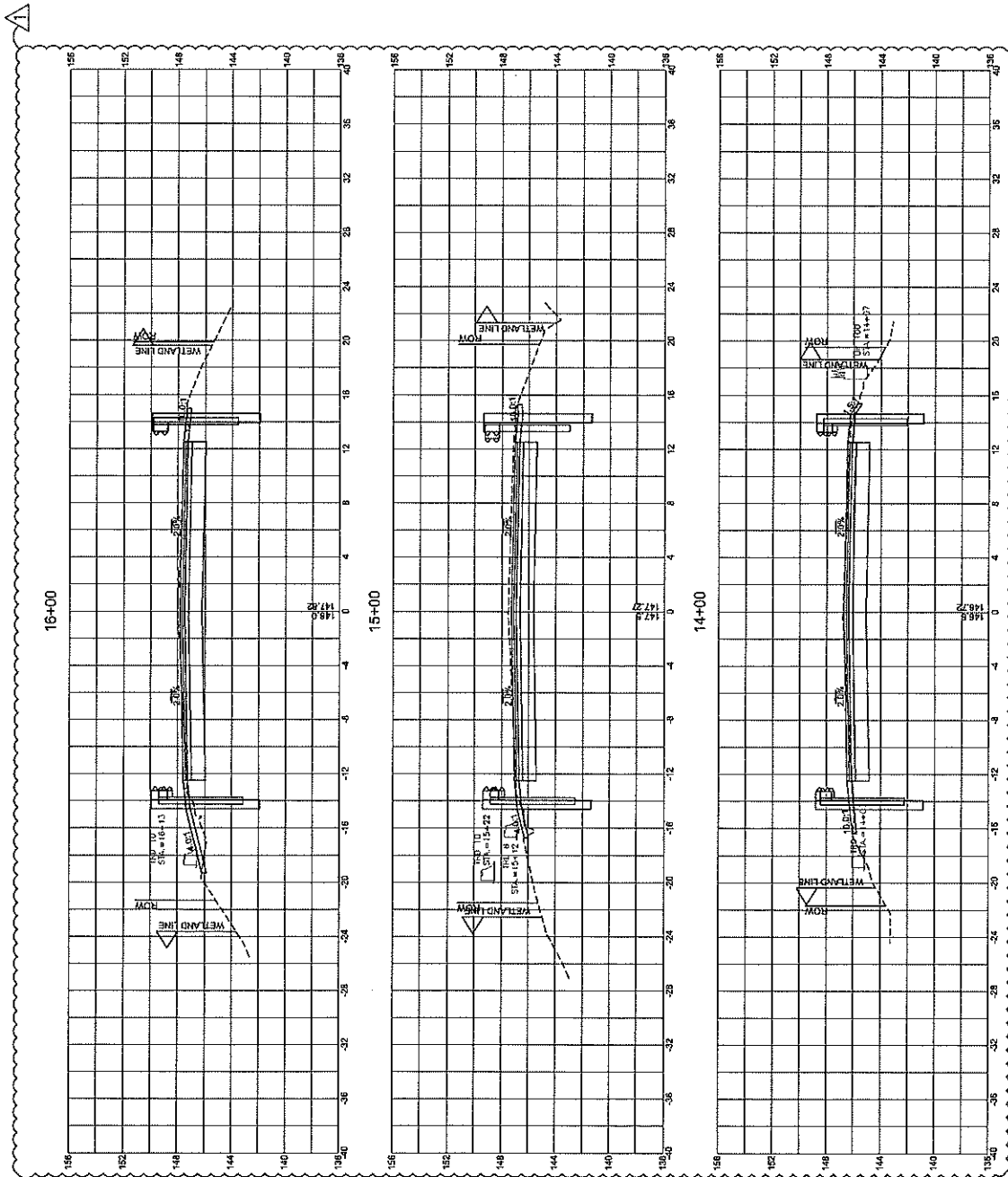


1	1/2/2019	EXISTING QUADRANT REVISION
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PROJECT: IMPROVEMENTS TO SOUTH MAIN STREET
DESIGN SUBMISSION: BID DOCUMENTS
DRAWING TITLE: CROSS SECTIONS
PREPARED FOR: TOWN OF NANTUCKET
DEPARTMENT OF PUBLIC WORKS
NANTUCKET, MASSACHUSETTS
PREPARED BY: GREEN INTERNATIONAL AFFILIATES, INC.
1770 STATE STREET
NANTUCKET, MASSACHUSETTS
02559
SCALE: AS NOTED
DATE: 11/2/2019
PROJECT NO.: 17064.01X
DESIGNED BY: MEZ
DRAWN BY: KJD
CHECKED BY: EA
SHEET NO.: 92 OF 176



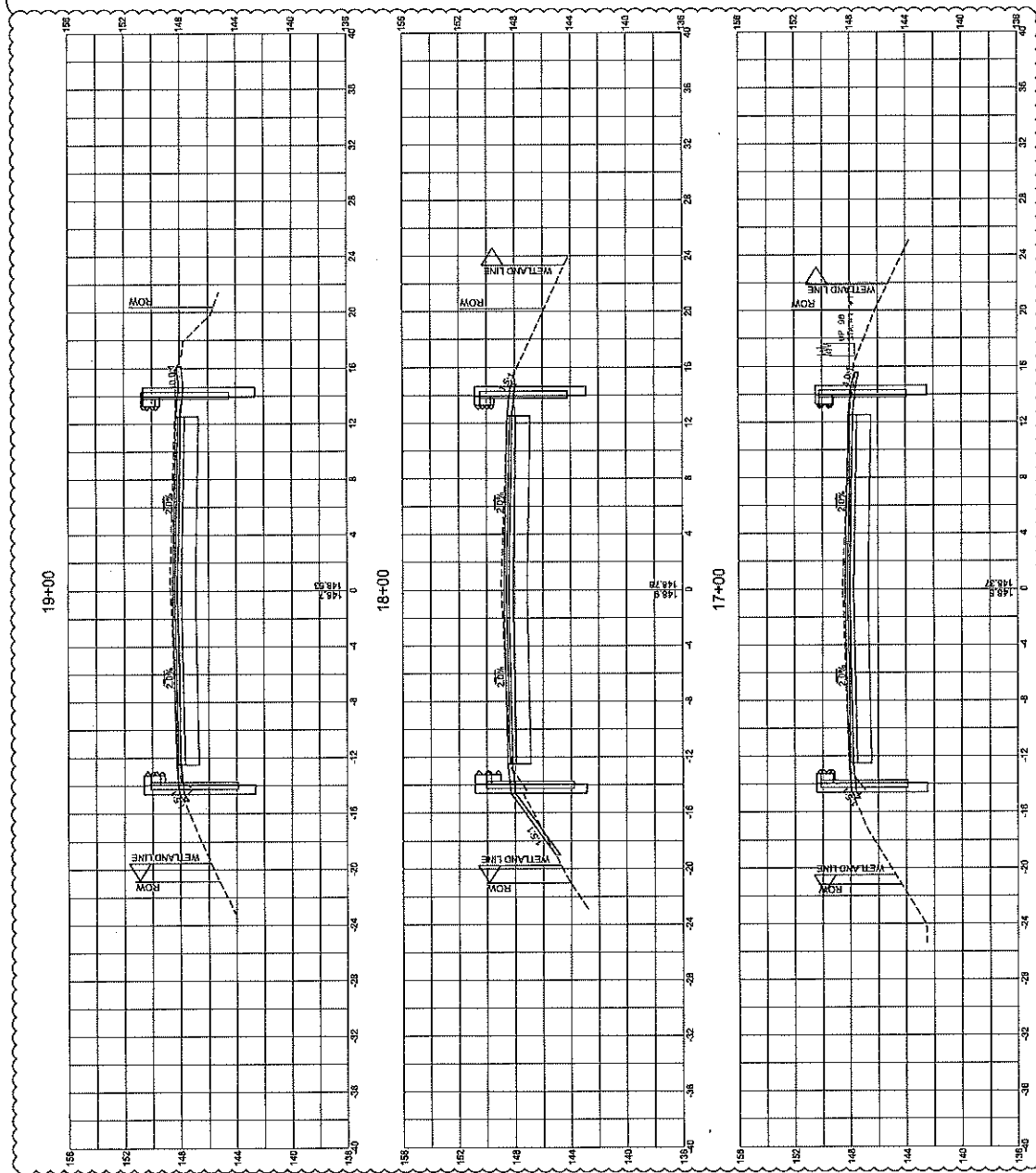
		TOWN OF NATICK DEPARTMENT OF PUBLIC WORKS 75 WEST STREET NATICK, MASSACHUSETTS		SHEET NO. 93 OF 176	
PROJECT:		IMPROVEMENTS TO SOUTH MAIN STREET BID DOCUMENTS		DESIGNED BY: MB DRAWN BY: NG CHECKED BY: BA	
DESIGN SUBMISSION:		CROSS SECTIONS		SCALE: AS NOTED	
DRAWING TITLE:		PREPARED FOR:		DATE: 10/27/2018	
NO. DATE 1 10/27/18		PREPARED BY:		PROJECT NO.: 18000218	
EXISTING CURB/PAVEMENT PERSON		GREEN INTERNATIONAL AFFILIATES, INC. Civil and Structural Engineers 1 Westford, Massachusetts greenintl.com		PROJECT NO.: 18000218	

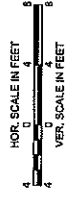
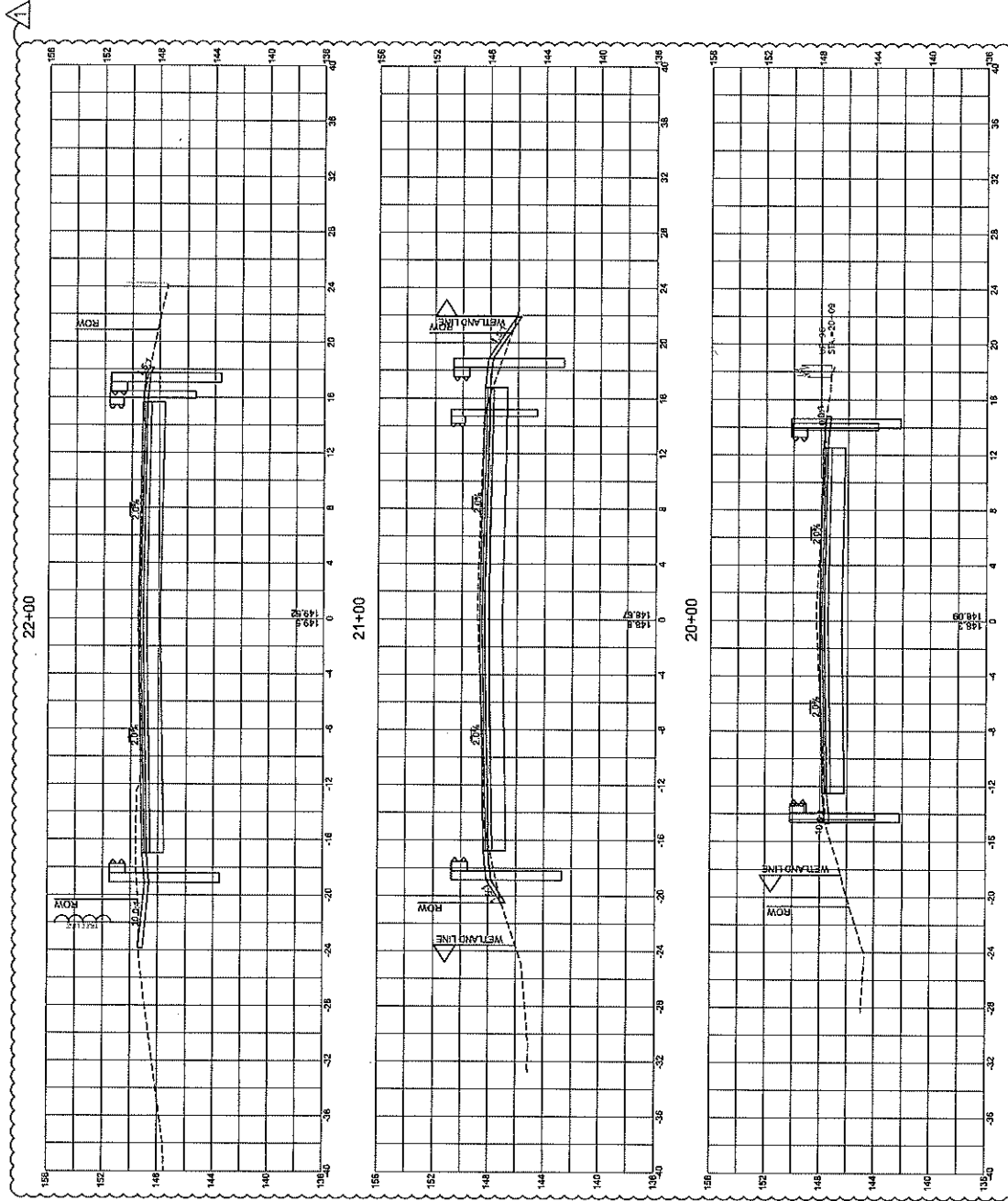


HOR. SCALE IN FEET
1" = 40'
VER. SCALE IN FEET
1" = 4'

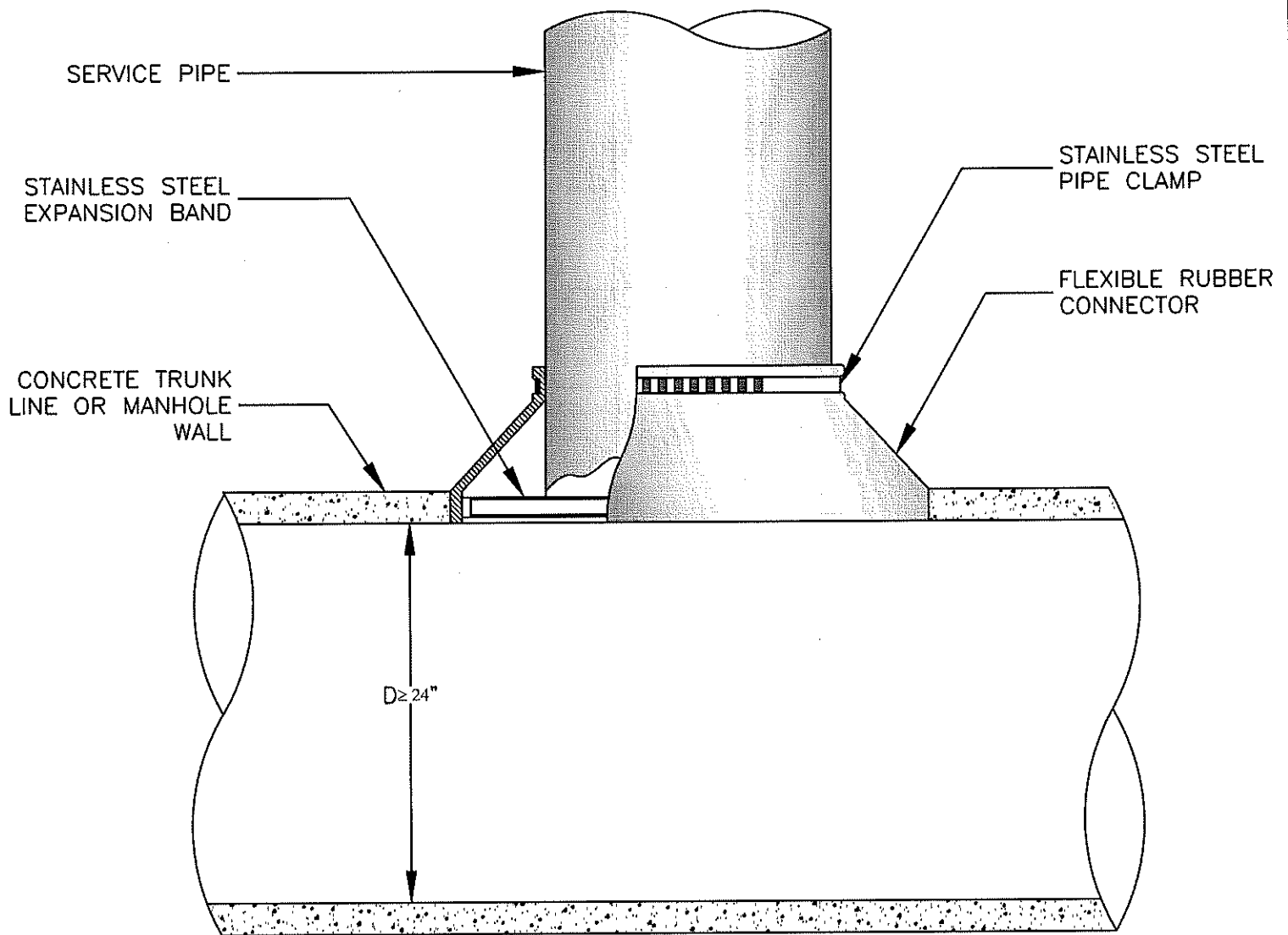
1	12/21/19	EXISTING QUADRANT REVISION
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PROJECT: IMPROVEMENTS TO SOUTH MAIN STREET
DESIGN SUBMISSION
DRAWING TITLE: CROSS SECTIONS
PREPARED FOR: TOWN OF NATICK
DEPARTMENT OF PUBLIC WORKS
NATICK, MASSACHUSETTS
GREEN INTERNATIONAL AFFILIATES, INC.
Civil and Structural Engineers
1779 725-0400
GREEN@GIAFF.COM
SCALE: AS NOTED
DATE: 11/27/19
DESIGNED BY: MB
DRAWN BY: KB
CHECKED BY: EA
PROJECT NO. 176A.002
SHEET NO. 94 OF 176

[illegible]



1	12/2/19	EXISTING GUARDRAIL REVISION
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**NOTES:**

1. OPENING IN CONCRETE WALL SHALL BE CORED USING HIGH SPEED DIAMOND DRILL
2. ALL METAL FIXTURES SHALL BE OF STAINLESS STEEL
3. SERVICE LINE SHALL BE FLUSH WITH THE INSIDE OF THE CONCRETE PIPE OR WALL
4. IF TRUNK LINE DIAMETER IS LESS THAN 24" THEN A SADDLE TYPE CONNECTION WILL BE USED

TYPICAL FIELD CONNECTION TO LARGE CONCRETE PIPE OR
CONCRETE MANHOLE
NOT TO SCALE