



TOWN OF YORKTOWN
BID AND SPECIFICATIONS
FOR
STONY STREET INTERCHANGE IMPROVEMENTS
BID #24-3

Edward Lachterman
Deputy Town Supervisor

Daniel A. Ciarcia, P.E.
Town Engineer

Dated: January 2024

**TOWN OF YORKTOWN
SERVICES AND PUBLIC WORKS CONTRACTS BID**

INSTRUCTIONS TO BIDDERS

NOTICE IS HERE GIVEN that sealed bids will be received by the Town Clerk, Town of Yorktown, Yorktown, NY until **10:00 A.M. on Thursday, February 29, 2024** at Town Hall, 363 Underhill Avenue, Yorktown Heights, N.Y. 10598 for **Stony Street Interchange Improvements, Bid #24-3**. Copies of the Bid Documents will be available in the office of the Town of Yorktown Town Clerk located at 363 Underhill Avenue, Yorktown Heights, NY 10598. A completed Bid Proposal Form must be returned to the Town Clerk, 363 Underhill Avenue, Yorktown Heights, NY 10598, marked: **“Bid: Stony Street Interchange Improvements, Bid #24-3.”**

The Bid Documents consists of the following documents:

1. **Instructions to Bidders**
2. **Part One** Bid Proposal Form
3. **Part Two** General Terms and Conditions of Bid
4. **Part Three** Specifications
5. **Part Four** Prevailing Wage Rates
6. **Part Five** Addenda, if any
7. **Part Six** **Non-Collusive Bidding Certificate**

Wherever in the Bid Documents any section or paragraph is stamped "VOID", only the section(s) or paragraph(s) so stamped are void. All other sections(s) and paragraph(s) remain in full force and effect.

A submitted bid will consist of

1. one original completed **Bid Proposal Form**, signed on behalf of Bidder with information for all blanks supplied, and a detailed listing of any exceptions taken by Bidder; and
2. a signed and notarized Non-Collusive Bidding Certificate.

Diana L. Quast, Town Clerk
Master Municipal Clerk
Town of Yorktown

**TOWN OF YORKTOWN
STONY STREET INTRSECTION IMPROVEMENTS
BID # 24-3**

PART ONE

BID PROPOSAL FORM

The Town of Yorktown seeks bids from qualified parties:

BIDDER’S OFFICIAL CORPORATE NAME (required, if bidder is a corporation):

BIDDER’S D/B/A NAME (if any) _____

ITEM	DESCRIPTION	UNIT	EST. QTY	UNIT PRICE	EXT. PRICE
1	Mobilization/demobilization	LS	1		
2	Maint. and Protection of Traffic	LS	1		
3	Demolition and Disposal	LS	1		
4	Road Widening	LS	1		
5	Concrete curbs	LS	1		
6	Concrete Sidewalk	LS	1		
7	Mill and Pave Asphalt	LS	1		
8	Line Striping	LS	1		
9	Miscellaneous work allowance	LS	1	\$10,000	\$10,000
	TOTAL AMOUNT BID		TOTAL AMOUNT BID		

Base Bid Dollar Amount: \$ _____

Amount in words: _____

The price(s) set forth above shall remain valid for one (1) year from the date of bid award.

Prices in the bid must cover all of bidder’s costs. There shall be no additional charges to the Town for delivery, training, set-up, etc.

Name of person authorized to submit bid for bidder:

Signed: _____

[Signature of authorized person, if not a corporate officer, attach corporate resolution authorizing submission of bid.]

TITLE of authorized person: _____

BIDDER'S CORPORATE NAME:

BIDDER CONTACT INFORMATION:

PRINT NAME: _____

TITLE: _____

Address: _____ State: _____ Zip: _____

Phone: _____

Fax: _____

Email: _____@_____

-END OF BID PROPOSAL FORM-

**TOWN OF YORKTOWN
SERVICES AND PUBLIC WORKS CONTRACTS BID**

PART TWO

General Terms and Conditions of Bid

<u>Section Numbers</u>	<u>Heading</u>
Section 1.	Bid Proposal Form
Section 2.	Pre-Bid Site Inspection
Section 3.	Quality and Samples
Section 4.	Request for information and/or clarification of the Bid Documents
Section 5.	Non-Collusion
Section 6.	Late Bids
Section 7.	Bid Opening
Section 8.	Acceptance and Rejection
Section 9.	Appeal of Determination of Non-Responsiveness and Non-Responsibility
Section 10.	Award
Section 11.	Notice of Award
Section 12.	Performance And Payment Bond
Section 13.	Assignment Prohibited
Section 14.	Special Requirements
Section 15.	Purchase of Additional Quantities of Bid Items
Section 16.	Contractor's Subcontracts and Material Lists
Section 17.	Representative Always Present
Section 18.	Performance
Section 19.	Insurance Requirements
Section 20.	Indemnification

<u>Section Numbers</u>	<u>Heading</u>
Section 21.	Delivery Point
Section 22.	Date of Delivery
Section 23.	Damages
Section 24.	Warranty/Guarantee
Section 25.	Breach of Contract/Termination
Section 26.	Prevailing Wage Rates and Supplements
Section 27.	Estimates and Payments
Section 28.	Payments to Subcontractors and Materialmen by Contractor
Section 29.	Change in Contract Price
Section 30.	Proper Method of Work and Materials
Section 31.	Utilities and Service Lines
Section 32.	Protection, Existing Structures
Section 33.	Acceleration of the Work
Section 34.	Stopping Work
Section 35.	Change in the Contract Time
Section 36.	Disputed Work – Notice of Claims For Damages

Section 1. Bid Proposal Form

- 1.1** The bidder shall complete the Bid Proposal Form by filling in the unit price and the total price in the appropriate designated spaces. Unit price and total price of each item bid shall be written legibly in ink, or typed. All bids shall be signed in ink. Any erasures or alterations shall be initialed in ink by the signer. The completed Bid Proposal Form shall be submitted, along with any documentation in support of the bid proposal if required by the Bid Documents, in a sealed envelope addressed as required in the Invitation to Bidders on or before the time and at the place so designated. Any Bid Proposal Form which has been materially altered in any way may render the bid nonresponsive and the bid rejected.
- 1.2** In the event of a discrepancy between the unit price and the total price of the Bid Proposal Form, the unit price will prevail. In the event of a discrepancy between the written bid amount and the numerical bid amount, the written amount will take precedence and be controlling as to the amount of the Bid. All items not bid shall be indicated as “not bid” in the total price space. When bids are requested on a lump sum basis, bidder must bid on each item in the lump sum group. Any bidder desiring to bid “no charge” on an item in a group must so indicate.
- 1.3** Failure to comply with the provisions of this section may be grounds for rejection of the bid proposal.
- 1.4** Correction or withdrawal of a bid because of an inadvertent, non-judgmental mistake in the Bid Proposal Form requires careful consideration to protect the integrity of the competitive bidding process, and to ensure fairness. If the mistake is attributable to an error in judgment, the Bid Proposal Form may not be corrected. Bid correction or withdrawal by reason of the non-judgmental mistake is permissible at the sole discretion of the Town Clerk, but only to the extent that it is not contrary to the interests of the Town or the fair treatment of other bidders.
- 1.5** By signing the Bid Proposal Form, the bidder certifies that:
 - i.** the person whose signature appears below is legally empowered to bind the bidder;
 - ii.** the bidder has read the complete Bid Documents and understands and agrees to all terms and conditions set forth in the Bid Documents;
 - iii.** if accepted by the Town, the bid is guaranteed as written and will be implemented as stated;
 - iv.** By submission of the bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid each party thereto certifies as to its own organization, under penalty of perjury, that to the best of its knowledge and belief that each bidder is not on the list created pursuant to paragraph (b) of subdivision 3 of section 165-a of the New York State

- 1.6 The bidder understands and agrees that quantities shown on the Bid Proposal Form opposite items of the work for which unit prices have been requested are approximate estimated quantities, and that during the progress of the work the Town may find it advisable and shall have the right to omit portions of the work, and to increase or decrease the shown approximate estimated quantities, or the scope of the whole work; and that the Town reserves the right to add to or take from the total amount of the work up to a limit of thirty (30%) percent of the total amount of the contract based upon the executed contract price for all the specified work.
- 1.7 The bidder shall make no claim for anticipated profits or loss of profits, because of any difference between the quantities of the various classes of work actually done, or of the materials actually furnished, and the original specified scope of work and the shown approximate estimated quantities.
- 1.8 All prices bid include a sum sufficient for the preparation and submission of approved final “As-builts”, record drawings, guarantees, warranties, and operations and maintenance manuals.
- 1.9 All plans and other like records compiled by the contractor in completing the work under this contract shall become the property of the Town. The Contractor may retain copies of each such plan or record for its own use.
- 1.10 The contractor shall secure and pay for all necessary permits for the proper executing and completion of work.
- 1.11 The Town is exempt from all federal, state and local taxes.

Section 2. Pre-Bid Site Inspection

- 2.1 The bidder shall satisfy itself by personal examination of the location of the proposed work and surroundings thereof, and by such other means as it may prefer, as to the scope of the work and the accuracy of the approximate estimated quantities; and shall not at any time after submission of the bid dispute such approximate estimated quantities or assert that there was any misrepresentation by the Town or any misunderstanding by the bidder in regard to the quantity or kind of materials to be furnished, or work to be done. Failure to do so will not relieve a successful bidder contractor (“contractor”) of the obligation to furnish all material and labor necessary to carry out the provisions of the contract documents and to complete the contemplated work for the consideration set forth in its bid.
- 2.2 Unless otherwise stated, the bidder is free and encouraged to examine the work site during normal work hours preceding the submission of the bid. For those bidders requesting further clarification of the conditions, an appointment with the Town's

¹ List found at <http://ogs.ny.gov/about/regs/docs/ListofEntities.pdf>.

representative may be requested by contacting the Town Clerk.

- 2.3 At the time of the opening of bids each bidder will be presumed to have inspected the sites and to have read and to be thoroughly familiar with the Bid Documents.

Section 3. Quality and Samples

- 3.1 All equipment, material and supplies bid upon must conform to the description and specifications set forth in the in the Bid Documents, or their reasonable equivalent.
- 3.2 References in the Bid Documents to type, style, brand or trade name, and catalog are intended to be descriptive only and not restrictive.

Section 4. Request for information or interpretation and/or clarification of the Bid Documents

- 4.1 The bidder shall have seven (7) business days prior to the bid opening date to notify the Town Clerk in writing of any errors or defects in the Bid Documents which would prevent the bidder from providing a responsive bid.
- 4.2 No interpretation of the Bid Documents will be made to any bidder orally by any representative of the Town.
- 4.3 Any request for information or interpretation and/or clarification of the Bid Documents must be addressed in writing to Diana Quast, Yorktown Town Clerk, 363 Underhill Avenue, Yorktown Height, NY 10598, and be submitted not later than five (5) business days prior to the date fixed for the opening of bids.
- 4.4 Any written response to a request for information or interpretation and/or clarification of the Bid Documents shall be issued by Town Clerk and will be incorporated into and made part of the Bid Documents and will be made available in the same manner and method as the Bid Documents. The Town Clerk's decision shall be final and binding on all parties. The failure of any bidder to receive such Addenda will not relieve the contractor of any obligation to comply with the terms and conditions of the Addenda.
- 4.5 The Bid Documents, including the drawings, have been prepared with care and are intended to show as clearly as is practicable the work required to be done. The bidder must realize however, that construction details cannot always be accurately anticipated and that in executing the work, field conditions may require reasonable modifications in the details of the plans and quantities of work involved. Work under all items in the contract must be carried out to meet these field conditions to the satisfaction of the Town and in accordance with the Bid Documents. The bidder shall not take advantage of any apparent errors or omission in the Bid Documents. In the event the contractor discovers an error or omission in the Bid Documents, it shall immediately notify the Town. The Town will then make such corrections and interpretations as may be deemed necessary for fulfilling the intent of the Bid Documents.
- 4.6 A bidder's failure to request a clarification, interpretation, etc. of any portion of the Bid Documents or to point out any inconsistency therein will preclude such

bidder from thereafter claiming any ambiguity, inconsistency, or error which should have been discovered by a reasonably prudent bidder and from asserting any claim for damages arising directly or indirectly therefrom.

Section 5. Non-Collusion

- 5.1 The bidder shall certify that it has complied with all of the requirements stated in the non-collusive bidding certificate by signing the form included in the Bid Documents. Failure by the bidder to complete and sign the non-collusive bidding certificate will constitute grounds for rejection of the bid.

Section 6. Late Bids

- 6.1 All bids received after the deadline date and time stated in the Instructions to Bidders will not be considered and will be returned to the bidder unopened. The bidder assumes the risk of any delay in the mail and the handling of the mail by the employees of the Town. Whether sent by mail or by means of personal delivery, the bidder assumes all responsibility for having the bid delivered on time and to the place specified above.

Section 7. Bid Opening

- 7.1 Sealed bids will be publicly opened on the date and time specified in the Instructions to Bidders. Bids may be read aloud to those persons present when practicable. Any bidder may request to review any submitted Bid Proposal Forms by arranging a mutually convenient time with the Town Clerk.
- 7.2 The prices stated in the Bid Proposal Form are irrevocable until the Notice of Award is issued, unless the bid is withdrawn only after the expiration of sixty (60) days from the bid opening and only in writing received by the Town Clerk and in advance of the issuance of the Notice of Award.

Section 8. Acceptance or Rejection

- 8.1 A responsive bid is one that complies with all material terms and conditions of the Bid Documents.
- 8.2 If the lowest price bid or proposal is found non-responsive, a determination setting in detail and with specificity the reasons for such finding shall be issued by the Town Clerk. A copy of such determination shall be mailed to the non-responsive bidder no later than two (2) business days after the determination is made.
- 8.3 The Town reserves the sole right to waive any informality that is a matter of form rather than substance without prejudice to other bidders and what is in the best interests of the Town. The Town's decision shall be final and binding.
- 8.4 Any corporation not incorporated under the Laws of New York State, must furnish a copy of its certificate of authority, from the New York State Secretary of State, to do business in the State of New York, in accordance with Article 13 of the New York State Business Corporation Law.

8.5 The Town will consider the qualifications of all bidders and may conduct such investigation as it deems necessary to assist in the evaluation of any bid. The Town reserves the right to reject any bid if the evidence submitted by, or the investigation of such bidder fails to satisfy the Town, in the Town's sole discretion, that it is properly qualified to carry out the obligations of the contract and to complete the contemplated work. In evaluating a bidder's responsibility the Town may consider the following factors:

- i.** financial resources;
- ii.** technical qualifications;
- iii.** experience;
- iv.** organization, material, equipment, facilities, and personnel resources and expertise (or the ability to obtain them) necessary to carry out the work and to comply with required delivery or performance schedules, taking into consideration other business commitments;
- v.** a satisfactory record of performance;
- vi.** a satisfactory record of business integrity;
- vii.** where the contract includes provisions for reimbursement of contractor costs, the existence of accounting and auditing procedures adequate to control property funds, or other assets, accurately delineate costs, and attribute them to their causes; and
- viii.** compliance with requirements for the utilization of small, minority-owned, and women-owned businesses as subcontractors.

8.6 The Town reserves the right to require additional information as it deems appropriate concerning the history of any bidder's performance of prior contracts. The final determination of whether the bidder possesses the requisite experience rests in the sole discretion of the Town. Failure of a bidder to provide relevant information specifically requested by the Town may be grounds for a determination of non-responsive and/or non-responsible.

Section 9. Appeal of Determination of Non-Responsiveness or Non-Responsible

9.1 Any determination that a bid is non-responsive or a bidder is non-responsible may be appealed as set forth herein.

9.2 Time Limit; A bidder shall have five (5) business days from receipt of the determination of non-responsiveness or non-responsible to file an appeal with the Town Clerk. Receipt of notice by the bidder shall be deemed to be no later than five (5) business days from the date of mailing or upon delivery, if delivered. Filing of the appeal shall be accomplished by actual delivery of the appeal document to the Town Clerk. The bidder shall also send a copy of its appeal, for informational purposes, to the Town Attorney.

9.3 Form and Content: The appeal shall be in writing and shall briefly state all the facts or other basis upon which the bidder contests the finding of non-responsiveness or non-responsible. Supporting documentation, if any, shall be included.

9.4 Stay of Award of Contract Pending. Award of the contract shall be stayed pending the determination of the Town Clerk unless the Town Clerk makes a determination that proceeding with the award without delay is necessary to protect substantial Town's interests. Where such a determination is made, the bidder shall be advised of this action in the determination of non-responsiveness or, if the stay is removed at any time after the bidder has been notified of determination of non-responsiveness or non-responsible, notification shall be provided to the bidder no later than two (2) business days after such determination is made. The Town Clerk shall consider the appeal, and may, in his or her sole discretion, meet with the bidder to discuss the merits of the appeal. The Town Clerk shall make a prompt determination with respect to the merits of the appeal, a copy of which shall be sent to the bidder. The Town Clerk's determination shall be final.

Section 10. Award

10.1 Town reserves the right to make an award within sixty (60) days after the date of the bid opening, during which period bids may not be withdrawn.

10.2 The Award will be made to the responsible and responsive bidder submitting the lowest bid that fully complies with all the specifications stated in the Bid documents.

10.3 Town reserves the right to reject all bids and to purchase any or all items on contracts awarded by agencies or departments of the State of New York or of the Town, if such items can be obtained on substantially the same terms, conditions, specifications, and at a lower price.

Section 11. Notice of Award

11.1 If the bid is awarded by Town, a written Notice of Award will be issued by the Town Clerk to the contractor. Such Notice of Award will constitute a binding enforceable contract between the contractor and the Town of Yorktown. These General Terms and Conditions shall be incorporated into the contract as material terms.

11.2 The Town may issue a Notice of Award based on either Lowest Responsible Bid or Best Value, in accordance with the 2012 amendments to General Municipal Law § 103, as implemented by Yorktown Town Code Chapter 78 entitled *Procurement for Goods and Services*.

11.3 Upon receipt of the Notice of Award the contractor will be required to submit to the Town Clerk a completed W-9 form in addition to any other information or documents required by the Town. Failure to supply a completed W-9 form or such other information or documents required by the Town will invalidate the bid.

Section 12. Performance and Payment Bond

- 12.1** If a Performance and Payment bond is required in accordance with the Instruction to Bidders, the “Bid Bond and Consent of Surety” Form must be executed by the contractor’s Surety Company and submitted to the Town.

Section 13. Assignment Prohibited

- 13.1** The contractor shall not assign, transfer, convey or otherwise dispose of the contract or any part of it or any monies due and payable under the contract, without prior written approval of the Town. If such approvals are granted by the Town, they shall in no way relieve the contractor or from any obligations under the terms of the contract.

Section 14. Special Requirements

- 14.1** Special requirements for any bid may supersede and/or be added to any provision contained in these General Terms and Conditions.

Section 15. Purchase of Additional Quantities of Bid Items

- 15.1** The Town may purchase additional quantities of the bid items at any time during the contract period, for the same price and under the same terms and conditions as set in the Bid Proposal Form.

Section 16. Contractor's Subcontracts and Material Lists

- 16.1** Within fifteen (15) days after execution of the Contract, the contractor shall submit to the Town for approval a list of the subcontractors, materialmen and materials that the contractor plans to use in the performance of the work and statements of the work they are to perform. The format and content of the list shall be in accordance with directives from the Town. No part of the work may be sublet until after the contractor has received the Town’s approval. The contractor shall be fully responsible for all acts and omissions of its subcontractors and persons directly or indirectly employed by them, and the Town’s approval to sublet parts of the work will in no way relieve the contractor of any of its obligations under the Contract. All dealings of the Town with the subcontractors shall be through the contractor.

- 16.2** The contractor shall insert appropriate clauses in all subcontracts to bind the subcontractors to the contractor by all applicable provisions of the contract documents executed between the contractor and the Town, but this shall not be construed as creating any contractual relationships between subcontractors and the Town. Prior to approval of the subcontractors, the Town has the right to review and recommend changes in the subcontracts. The Town reserves the right to reject any subcontractor proposed by the contractor if in the reasonable opinion of the Town such subcontractor lacks the experience or capability to perform its subcontract work or is otherwise non-responsible.

- 16.3** The contractor shall insert appropriate clauses in each subcontract that require that if the contractor is terminated by the Town either for default or convenience that at

the sole option of the Town the subcontract shall automatically attorn to the Town and the subcontractor shall continue without delay or interruption to fully perform all of the obligations required by its subcontract.

Section 17. Representative Always Present

- 17.1 The contractor in case of its absence from the work shall have a competent representative or foreman present, who shall obey without delay, all instructions of the Town in the prosecution and completion of the work in conformity with the contract, and shall have full authority to supply labor and material immediately.
- 17.2 The contractor, or its superintendent, shall attend job meetings with the Town for the purpose of discussing expedition, execution and coordination of the work. Job meetings will be scheduled periodically (the first to be prior to commencement of construction) at a time and place designated by the Town.
- 17.3 The contractor shall not commence any work prior to the first (pre-construction) meeting between the contractor, Town, and other concerned governmental and utility company representatives.

Section 18. Performance

- 18.1 All work performed and all materials furnished shall be in reasonably close conformity with the lines, grades, cross sections, dimensions and materials requirements, including tolerances, shown in the Bid Documents.
- 18.2 Plan dimensions and contract specification values are to be considered as the target value to be strived for and complied with as the design value from which any deviations are allowed. It is the intent of the specifications that the materials and workmanship shall be uniform in character and shall conform as nearly as realistically possible to the prescribed target value or to the middle portion of the tolerance range. The purpose of the tolerance range is to accommodate occasional minor variations from the median zone that are unavoidable for practical reasons. When a maximum or minimum value is specified, the production and processing of the material and the performance of the work shall be so controlled that material or work shall not be preponderantly of borderline quality or dimension.
- 18.3 Figured dimensions on the plans shall be given preference over scaled dimensions, but shall be checked by the contractor before starting construction. Information and data on the contract documents shall take precedence in the following order (1) Drawing; Details, Sections, Plans, Notes, General Notes, (2) Technical Specifications, (3) General Specifications. Any errors, omissions or discrepancies shall be brought to the attention of the Town whose decision thereon shall be final.
- 18.4 In the event that the Town determines that the materials or the finished product in which the materials used are not within reasonably close conformity with the Bid Documents but that reasonably acceptable work had been produced, the Town shall then make a determination if the work shall be accepted and remain in place. In

this event, the Town will document the basis of acceptance by contract modification, subject to the approval of the Town Board, which will provide for an appropriate adjustment in the contract price for such work or materials as deems necessary.

- 18.5** In the event that the Town determines that the materials or the finished product in which the materials used are not within reasonably close conformity with the Bid Documents and have resulted in an inferior or unsatisfactory product, the work or materials shall be removed and replaced or otherwise corrected by and at the expense of the contractor.
- 18.6** All traffic control devices (signs, signals, markings, and devices placed by the authority of a public body or official having jurisdiction for the purpose of regulating, warning or guiding traffic) shall be in conformity with the latest edition of the New York State Manual of Uniform Traffic Control Devices or other such standard as directed by the Town.
- 18.7** Time being of the essence, the contractor shall take notice that the timely completion of the work called for under the contract is of the greatest importance. The contractor shall commence its work within ten (10) days after "Notice of Award" has been given it by the Town (unless a definite starting date is otherwise stated). Prior to commencing its work, the contractor shall notify the Town, at least forty-eight (48) hours prior to the planned date of its "start".

Section 19. Insurance Requirements

- 19.1** The contractor, upon award of the contract, shall provide at its own cost and expense the following insurance to the Town from insurance companies licensed in the State of New York, carrying a Best's financial rating of "A" or better, which insurance shall be evidenced by certificates and/or policies as determined by the Town.
- 19.2** Each certificate or policy shall require that, thirty (30) days prior to cancellation or material change in the policies, notice thereof shall be given to the Town Clerk by registered mail, return receipt requested, for all of the following stated insurance policies. All such notices shall name the contractor and identify the contract number or description.
- 19.3** All policies and certificates of insurance shall be approved by the Town prior to the inception of any work.
- i.** Workmen's Compensation: The contractor shall evidence compliance with Workers' Compensation Law, or as otherwise directed by the Town.
 - ii.** Commercial General Liability Insurance with minimum limits of liability per occurrence of \$1,000,000 with the Town named as an additional insured.
 - iii.** Automobile Liability Insurance with minimum limits of liability per occurrence of \$1,000,000 with the Town named as an additional insured.

- iv. Additional insurance may be required on an individual basis for extra hazardous contracts and specific service agreements. If such additional insurance is required for a specific contract, that requirement will be described in the Special Requirements of the contract specifications.
- v. If any of the insurance requirements are not complied with at their renewal dates, payments to the contractor will be withheld until those requirements have been met, or at the option of the Town, the Town may pay the Renewal Premium and withhold such payments from any monies due the contractor.
- vi. If at any time any of the foregoing policies shall be or become unsatisfactory to the Town, as to form or substance, or if a company issuing any such policy shall be or become unsatisfactory to the Town, the contractor shall upon notice to that effect from the Town, promptly obtain a new policy, submit the same to the Town for approval and submit a certificate thereof as herein above provided. Upon failure of the contractor to furnish, deliver and maintain such insurance as above provided, the contract, at the election of the Town, may be forthwith declared suspended, discontinued or terminated. Failure of the contractor to secure and/or maintain or the taking out and/or maintenance of any required insurance, shall not relieve the contractor from any liability under the contract, nor shall the insurance requirements be construed to conflict with or otherwise limit the obligations of the contractor concerning indemnification.
- vii. In the event that claims in excess of the insured amounts provided herein, are filed by reason of any operations under the contract, the amount of excess of such claims or any portion thereof, may be withheld from payment due or to become due the contractor until such time as the contractor shall furnish such additional security covering such claims as may be determined by the Town.

Section 20. Indemnification

- 20.1 The contractor hereby agrees to indemnify and save harmless the Town, its officers, employees, elected officials, and agents from and against all liability, loss or damage the Town may suffer, arising directly or indirectly out of the contract between the contractor and the Town. The Contractor further agrees to provide defense for and defend any claims or causes of action of any kind or character directly or indirectly arising out of this Agreement at its sole expense and agrees to bear all other costs and expenses relating thereto. The foregoing provisions shall not be construed to cause the contractor to indemnify the Town, its officers, elected officials, agents or employees from its or their sole negligence.
- 20.2 Neither the acceptance of the completed work nor payment therefore shall release the Contractor from its obligation under this section.

Section 21. Delivery Point

21.1 Shipping of any products shall be FOB Destination. Delivery shall be at the location set forth in the Specifications except on national, state or local holidays when Town buildings are closed. Bidder shall be responsible to verify that the appropriate Town building for delivery is open prior to delivering items. All bid items shall be unloaded and placed within the particular Town building, at points of delivery, and in quantities, as directed by the Town. Any costs incurred by the Town or bidder due to the failure of bidder to comply with this requirement will be the responsibility of bidder. Bidder should be prepared to furnish proof of delivery, if requested by Town. Deliveries shall be made in accordance with the specifications, and shall be made Monday through Friday from 8 a.m. to 2 p.m. unless otherwise stated in the Specific Specifications.

21.2 If bidder is shipping bid items to Town using a third-party carrier (US Postal Service, UPS, FedEx), there shall be no additional shipping charge to the Town.

21.3 Delivery will not be complete until the goods are inspected and accepted by the Town.

Section 22. Date of Delivery

22.1 Delivery of all materials included under this bid shall be made not later than the date specified in the Bid Documents or Project Schedule. If contractor cannot meet the delivery date specified in Bid Documents or Project Schedule, contractor shall state on the bid form the proposed date of delivery and such date will be considered when determining responsiveness in awarding the bid.

Section 23. Damages

23.1 The contractor shall be fully responsible for shipping and delivery of materials specified in the Bid Documents or Project Schedule in an undamaged condition. Town will not consider the carrier responsible for damaged or delayed deliveries. Any bid item damaged or broken when delivered to Town shall be replaced immediately by contractor at no cost to the Town.

Section 24. Warranty/Guarantee

24.1 It is the intent of the Bid Documents to require first-class work and materials and any work not fully covered herein Bid Documents shall be interpreted to require first-class work and materials, and such interpretations shall be binding upon the Contractor. The contractor shall be fully responsible for performance of work in a satisfactory manner with satisfactory results in the discretion of the Town quality materials.

24.2 Contractor is deemed to warrant and guarantee all work performed under this agreement.

24.3 Unless otherwise stated in other parts of the specifications, all work performed or goods supplied under the contract shall be guaranteed by the contractor against all defects resulting from the use of inferior materials, equipment or workmanship, for a period of one (1) year from the date of final completion and acceptance of the work, which shall be defined as the date of the Town's approval of the final

Certificate for Payment or from the date the Town takes possession and makes full use of the constructed facility.

24.4 Any goods furnished must be standard, new, latest model of the regular stock product, as required by the specifications, with parts regularly used for the type of equipment offered.

24.5 No attachment or part will be substituted or applied contrary to manufacturer's recommended and standard practice. All regularly manufactured stock electrical items must bear the label of the Underwriters Laboratories, Inc. Any equipment, part or constructed item which is or becomes defective during the guarantee period shall be replaced or redone by the contractor, including all labor at no additional charge to the Town. All replacements shall carry the same guarantee as the original equipment. The contractor shall make any such replacement promptly upon receiving written notice from Town.

Section 25. Breach of Contract/Termination

25.1 If contractor fails to deliver as ordered, or within the time specified, or within reasonable time as interpreted by Town, or fails to make replacement of rejected or defective goods, whether so requested immediately or as directed by Town, that shall constitute a breach of the contract, and Town may arrange to have the work performed from other sources to take the place of the work product found defective or not delivered. Without limiting the foregoing, Town reserves the right to terminate the contract upon breach upon within ten (10) days written notice provided to the contractor.

Section 26. Prevailing Wage Rates And Supplements

26.1 Wages to be Paid and Supplements to be Provided

- i. The contractor shall, at its own cost and expense, comply with all provisions of the Labor Law (i.e. prevailing rate of wages and supplements), Lien Law, Workmen's Compensation Law and all other laws and ordinances affecting the contract or order, either Federal, State or local.

26.2 Records to be kept on Site

The contractor, subcontractors at any tier shall certify their payrolls and keep them on site and available, in addition to the following informative records:

- i. Record of hours worked by each workman, laborer and mechanic on each day;
- ii. Record of days worked each week by each workman, laborer and mechanic;
- iii. Schedule of occupation or occupations at which each workman, laborer and mechanic on the project is employed during each work day and week;
- iv. Schedule of hourly wage rates paid to each workman, laborer and mechanic for each occupation.
- v. A statement or declaration signed by each workman, laborer and mechanic attesting that they have been provided with a written notice,

informing them of the prevailing wage rates and supplements requirement for the contract.

Section 27. Estimates and Payments

- 27.1** As the work progresses but not more often than once a month and then on such days as the Town shall direct, the contractor will submit a requisition in writing of the amount and value of the work performed and the materials and equipment provided to the date of the requisition, less any amount previously paid to the contractor.
- 27.2** From each requisition, the Town will retain five percent (5%) plus one hundred fifty percent (150%) of the amount necessary to satisfy any claims, liens or judgments against the contractor that have not been suitably discharged. The Town will thereupon cause the balance of the requisition therein to be paid to the contractor.
- 27.3** As a condition to the making of any progress payment as set forth in this paragraph, the Town, in its sole discretion may require the contractor to submit such document as may be reasonably required to establish that the contractor and its subcontractors have timely and properly paid their respective subcontractors and materialmen at any tier.
- 27.4** When the work or major portion thereof, as contemplated by the terms of the contract are substantially completed in the judgment of the Town, the contractor shall submit a requisition for the remainder of the contract balance. An amount equal to two (2) times the value of the remaining items to be completed plus one hundred fifty percent (150%) of the amount that the Town deems necessary to satisfy to satisfy any claims, liens or judgments against the contractor which have not been suitably discharged shall be deducted from the requisition. As the remaining items of work are satisfactorily completed or corrected, the Town will, upon receipt of a requisition, pay for these items less one hundred fifty percent (150%) of the amount necessary to satisfy any claims, liens or judgments.
- 27.5** All estimates will be made for actual quantities for work performed and materials and equipment incorporated in the work as determined by the measurements of the Town, and this determination shall be accepted as final, conclusive and binding upon the contractor. All estimates will be subject to correction in any succeeding estimate.
- 27.6** Payment will be made only upon the written request of the contractor. Payment requests shall be processed by the Town no more than one (1) time per month. Payment will be made for materials pertinent to the project which have been delivered to the site or off-site by the contractor suitably stored and secured in first-class condition as required by the Town. The contractor must submit certified copies of the manufacturer's or vendor's invoices or statements establishing the true purchase value of the material or equipment; freight bills, release of liens and certificate of insurance covering all equipment and materials.
- 27.7** The Contractor shall be responsible for safeguarding stored equipment and materials against loss or damage of any nature whatsoever, shall retain title until incorporated into the work and acceptance by the Town and in case of loss or

damage, the contractor shall replace such lost or damaged equipment and materials at no cost to the Town. After receipt of payment, the contractor shall not remove from the site equipment and materials for which such payment was made without written authorization from the Town.

27.8 Within thirty (30) days after receiving written notice from the Contractor of substantial completion of the work under this Agreement, the Town will cause an inspection to be made of the work done under the contract. If, upon such inspection, the Town determines that the work is substantially complete, a Substantial Completion Payment to the contractor for the work done under the contract, less any and all deductions authorized to be made by the Town under the contract or by law, will be issued.

27.9 As a condition precedent to receiving payment therefore, the Contractor must have received Town approval of all Shop Drawing submittals, the Operation and Maintenance Manuals, and As-Built Drawing(s).

27.10 Together with its application for substantial completion payment the Contractor shall also deliver to the Town a verified statement certifying that all claims or liabilities arising from the completed work, including all charges for Extra Work, Change Orders, additional time, damages or credits (collectively referred to as “claims”) have been presented to the Town. All such claims shall be described in sufficient detail so as to be easily identified. The contractor’s failure to submit the verified statement shall constitute a full and final waiver of all claims against the Town from the beginning of the project through the date of substantial completion as established by the Town. The presentation of the verified statement to the Town shall not constitute an acknowledgement by the Town that any such claim is valid. The Town expressly reserves its right to assert that any such claim(s) is waived or precluded by reason of other provisions of the contract documents. Only claims particularly identified on the contractor’s verified statement shall be preserved; all other claims whatever nature shall be deemed waived and released. It shall also submit proof of title of the materials and equipment covered by the contract. The contractor shall also, prior to the issuance of said Substantial Completion Payment, supply to the Town affidavits and certificates for labor, material and equipment (where applicable).

27.11 Within ten (10) days after receiving written notice from the contractor of completion of all the work, the Town will make a final inspection. If upon inspection the Town determines that no further work is needed, the Town will request that the Town approve the completion of the project and authorize payment of the Final Estimate.

Section 28. Payments To Subcontractors And Materialmen By Contractor

28.1 Within fifteen (15) calendar days of the receipt of any payment from the Town, the contractor shall pay each of its subcontractors and materialmen the proceeds from the payment representing the value of the work performed and/or materials furnished by the subcontractor and/or materialmen as reflected in the payment from the Town less an amount necessary to satisfy any claims, liens or judgment against the subcontractor or materialman which have not been suitably discharged

and less any retained amount as hereafter described.

- 28.2** Nothing provided herein shall create any obligation on the part of the Town to pay or to see the payment of any moneys to any subcontractor or materialman from any contractor nor shall anything provided herein serve to create any relationship in contract or otherwise, implied or expressed between the subcontractor or materialman and the Town. Notwithstanding anything to the foregoing, the Town may tender payments to the Contractor in the form of joint or dual payee checks.

Section 29. Change in the Contract Price

- 29.1** The Contract Price constitutes the total compensation (subject to authorized adjustments) payable to the contractor for performing the work pursuant to the contract. All duties, responsibilities and obligations assigned to or undertaken by the contractor shall be at its expense without change in the Contract Price.
- 29.2** The Contract Price may only be changed by a Change Order. Any claim for an increase in the Contract Price shall be based on written notice delivered to Town within fifteen (15) days of the occurrence of the event giving rise to the claim. Notice of the amount of the claim with supporting data shall be delivered within twenty (20) days of such occurrence unless the Town allows an additional period of time to ascertain accurate cost data. Any change in the Contract Price resulting from any such claim shall be incorporated in a Change Order. All change orders are subject to the determination and approval of the Town Board.

Section 30. Proper Method of Work And Proper Materials

- 30.1** The Town shall have the power in general to direct the order and sequence of the work, which will be such as to permit the entire work under the contract to be begun and to proceed as rapidly as possible, and such as to bring the several parts of the work to a successful completion at about the same time.
- 30.2** If at any time before the commencement or during the progress of the work the materials and appliances used or to be used appear to the Town as insufficient or improper for securing the quality of work required, or the required rate of progress, he may order the contractor to increase its efficiency or to improve their character, and the contractor shall promptly conform to such order; but the failure of the Town to demand any increase of such efficiency or improvement shall not release the Contractor from its obligation to secure the quality of work or the rate of progress specified.\
- 30.3** The Contractor will establish the lines, grades and measurements necessary in his opinion to properly locate the work, by setting suitably marked offset or reference stakes. These stakes are referenced to the control points, coordinates and similar data that may be shown on the contract drawings, but the Town reserves the right to modify that information.
- 30.4** The Contractor shall carefully and properly preserve all stakes, pins and markers required at no additional costs to the Town. All existing property lines and survey monuments which may, of necessity have to be disturbed during the construction work, will be property tied to fixed points and reset by the Contractor at no cost to

the Town.

Section 31. Utilities and Service Lines

- 31.1** The Contractor is hereby warned that a reasonable opportunity is to be given the municipalities and public service corporations to alter and install pipes, conduits or other structures prior to placing to pavement. No guarantee is given that public utility structures and service lines herein shown are correctly located. Locations given are from the best available information.

Section 32. Protection, Existing Structures

- 32.1** The Contractor, at his expense, shall protect adjacent and other property or premises from damage of any kind during the progress of the work and shall erect and maintain guards around his work in such a way as to afford protection to the public. The Contractor shall be held responsible for improper, illegal, or negligent conduct of himself, his subcontractors, employees and agents in and about said work or in the execution of the work covered by this Contract.
- 32.2** The Contractor shall, at his expense, sustain in their places and permanently protect from direct or indirect injury any and all pipelines, subways, pavements, sidewalks, curbs, railways, buildings, trees, poles, wells, and other property in the vicinity of his work, whether over-or underground, or which appear within the trench or excavations, and he shall assume all costs and expenses for direct or indirect damage which may be occasioned by injury to any of them.
- 32.3** The Contractor's liability shall also include the damage or injury sustained by any structure whatsoever due to settlement of trenches or excavations or to settlement or lateral movement of the sides of such trenches or excavations, whether such movement occurs during or after excavation or backfilling of such trenches or excavations. His liability to so support and protect all such structures from damage or injury shall continue without limitation, throughout the Contract period and during the period of guarantee.
- 32.4** The Contractor shall at all times have on the ground suitable and sufficient material and shall use the same as may be necessary or required for sustaining and supporting any and all such structures which are uncovered, undermined, weakened, endangered, threatened, or otherwise materially affected.
- 32.5** In case injury occurs to any portion of a pipeline or structure, or to the material surrounding or supporting the same, through blasting or similar operations, the Contractor shall immediately notify the Engineer, and, at his expense, shall remove such injured work and shall rebuild the pipeline or structure and shall replace the material surrounding the same, or shall furnish such material and perform such work of repairs or replacement as the Town may order. Any damage whatsoever shall be promptly, completely, and satisfactorily repaired by the Contractor at his expense.

Section 33. Acceleration of the Work

- 33.1** The Town may, at its sole discretion and as circumstances reasonably require,

require the contractor to accelerate the schedule of performance by providing overtime, extended day, extra crews, Saturday, Sunday and/or holiday work and/or by having all or any subcontractors designated by the Town provide overtime, extended day, extra crews, Saturday, Sunday or holiday work by the contractor's or his subcontractor's own forces.

33.2 The Town, pursuant to a validly issued written change order, may reimburse the contractor for the direct cost to the contractor of the premium time for the labor utilized by the contractor in such overtime, extended day, extra crews, Saturday, Sunday or holiday work (but not for the straight time costs of such labor) together with any social security and state or federal unemployment insurance taxes in connection with such premium time. However, no overhead, supervision costs, commissions, profit or other costs and expenses of any nature whatsoever, including impact costs or costs associated with lost efficiency or productivity, shall be payable in connection therewith.

33.3 Anything to the foregoing notwithstanding, in the event that the contractor has fallen behind schedule or in the Town's judgment appears likely to fall behind schedule, Town shall have the absolute right to direct the contractor to accelerate the performance of its work, including that of its subcontractors, and the full costs for such acceleration shall be borne solely by the contractor.

Section 34. Stopping Work

34.1 Town May Suspend Work:

- i. The Town may, at any time and without cause, suspend the work or any portion thereof for a period of not more than ninety (90) days by notice in writing to the contractor which shall fix the date on which work shall be resumed. The contractor shall resume the Work on the date so fixed. Subject to the approval of the Town Board, the contractor may be allowed an increase in the Contract Price or an extension of the Contract Time, or both, directly attributable to any suspension.

34.2 The Town May Terminate:

A. Upon the occurrence of any one or more of the following events:

1. If the contractor is adjudged bankrupt or insolvent,
2. If the contractor makes a general assignment for the benefit of creditors,
3. If a trustee or receiver is appointed for the contractor or for any of the contractor's property,
4. If the contractor files a petition to take advantage of any debtor's act, or to reorganize under the bankruptcy or similar laws,
5. If the contractor repeatedly fails to supply sufficient skilled workers or suitable materials or equipment,

6. If the contractor repeatedly fails to make prompt payments to Subcontractors or for labor, materials or equipment,
 7. If the contractor disregards laws, ordinances, rules, regulations or orders of any public body having jurisdiction,
 8. If the contractor disregards the authority of the Town, or
 9. If the contractor otherwise violates in any substantial way any provisions of the Bid Documents or the Contract. The Town may after giving the contractor and its Surety seven (7) days written notice, terminate the services of the contractor, exclude the contractor from the site, incorporate in the Work all materials and equipment stored at the site or for which Town has paid the contractor but which are stored elsewhere, and finish the Work as Town may deem expedient. In such case the contractor shall not be entitled to receive any further payment until the work is finished. If the unpaid balance of the Contract Price exceeds the direct and indirect costs of completing the work, including compensation for additional professional services, such excess shall be paid to the contractor. If such costs exceed such unpaid balance, the contractor shall pay the difference to the Town.
- B.** Where the contractor's services have been so terminated by the Town, the termination shall not affect any rights of Town against the contractor then existing or which may thereafter accrue. Any retention or payment of moneys due the contractor by Town will not release the contractor from liability.
- C.** Upon seven (7) days written notice to the contractor, Town may, without cause and without prejudice to any other right or remedy, elect to abandon the work and terminate the Agreement. In such case, the contractor shall be paid (without duplication of any items):
1. For completed and acceptable Work executed in accordance with the Contract Documents prior to the effective date or termination, including fair and reasonable sum of overhead and profit on such work;
 2. For expenses sustained prior to effective date of termination in performing services and furnishing labor, materials or equipment as required by the Contract Documents in connection with uncompleted Work, plus fair and reasonable sums for overhead and profit on such expenses;
 3. For amounts paid in settlement of terminated contracts with Subcontractors, manufacturers, fabricators, suppliers or distributors and others; and
 4. For reasonable expenses directly attributable to termination. contractor shall not be paid on account of loss of anticipated profits or revenue or other economic loss or any consequential damages arising out of such termination.

Section 35. Change in the Contract Time

- 35.1** The contractor agrees that it will make no claim against the Town or any of its representatives for damages for delay, interference or disruption in the performance of its Contract occasioned by any act or omission to act by the Town or any of its representatives, or occasioned by any act or omission of any other contractor and further agrees that any such claim shall be fully compensated for by an extension of time to complete the performance of the work as provided herein.
- 35.2** The Contract Time may only be changed by a Change Order. Any claim for an extension in the Contract Time shall be based on written notice delivered to Town within fifteen (15) days of the occurrence of the event giving rise to the claim. Notice of the extent of the claim with supporting data shall be delivered within twenty (20) days of such occurrence unless the Town allows an additional period of time to ascertain more accurate data. Any change in the Contract Time resulting from any such claim shall be incorporated in a Change Order.
- 35.3** The Contract Time will be extended in an amount equal to time lost due to delays beyond the control of the contractor. Such delays shall include, but not be limited to, acts or neglect by Town, or to fires, floods, labor disputes, epidemics, abnormal weather conditions, or acts of God. No extension of the Contract Time will be granted where the delay is attributable to a subcontractor, manufacturer, fabricator, supplier or distributor or any other party performing services or furnishing material or equipment on behalf of the contractor unless such party's delay is attributable to one of the above enumerated causes.
- 35.4** The time limits concerning Substantial Completion and final completion as stated in the Contract Documents are of the essence. The provisions of this section shall not exclude recovery for damages (including compensation for additional professional services) for delay by either party, provided, however that the contractor shall not be entitled to damages for any delay occurring as a consequence of a delay if the performance of said additional work was noted in the Contract Documents and the delay (by others) was not directly caused by the fault of the Town.

Section 36 Disputed Work - Notice of Claims For Damages

- 36.1** If the contractor is of the opinion that any work required, necessitated, or ordered violates or conflicts with or is not required by the terms and provisions of the contract, he must promptly, within five (5) calendar days after being directed to perform such work, notify the Town, in writing, of its contentions with respect thereto and request a final determination thereon. If the Town determines that the work in question is contract and not extra work, or that the order complained of is proper, he will direct the Contractor in writing to proceed and the Contractor shall promptly comply. In order, however, to preserve its right to claim compensation for such work or damages resulting from such compliance, the Contractor must, within seven (7) calendar days after receiving notice of the Town's determination and direction, notify the Town, in writing that the work is being performed or that the determination and direction is being complied with, under protest. Failure of the Contractor to so notify shall be deemed as a waiver of claim for extra compensation or damages therefore.

- 36.2** The contractor is bound by the provisions of all applicable laws, including but not limited to the General Municipal Law and the Town Law, as related to the presentation of claims.
- 36.3** While the contractor is performing disputed work or complying with a determination or order under protest in accordance with this Article, in each such case the contractor shall furnish the Town daily with three copies of written statements signed by the Contractor's representatives at the site showing:
- i.** the name of each workman employed on such work or engaged in complying with such determination or order, the number of hours employed thereon, and the character of the work each is doing; and
 - ii.** the nature and quantity of any materials, plant and equipment furnished or used in connection with the performance of such work or compliance with such order, and from whom purchased or rented.
- 36.4** The contractor shall carry on the work and maintain the progress schedule during all disputes or disagreements with the Town. No work shall be delayed or postponed pending resolution of any disputes or disagreements, except as the contractor and Town may otherwise agree in writing.
- 36.5** Before final acceptance of the work by the Town, all matters of dispute must be adjusted to the mutual satisfaction of the parties thereto. Determinations and decisions in case any question shall arise, shall constitute a condition precedent to the right of the Contractor to receive the money therefore, until the matter in question has been adjusted.

PART THREE

GENERAL SPECIFICATIONS

ITEM 304.11000008 - SUBBASE COURSE (MODIFIED)

DESCRIPTION:

All the provisions of Section 304 pertaining to Subbase Course, Type 1 shall apply. The contractor may at their option substitute Subbase Course, Type 2. If Subbase Course, Type 2 is substituted all the provisions of Section 304 pertaining to Subbase Course, Type 2 shall apply.

ITEM 608.0105NN09 –CURB RAMP

DESCRIPTION

The work shall consist of constructing curb ramps, turning spaces, and associated curbing in accordance with the applicable Standard Sheets and Specifications, and in accordance with the Contract Documents.

The fifth and sixth number to the right of the decimal place (NN), in the item number, is a serialized number to match the different types of curb ramp configurations depicted in the US Customary Standard Sheets 608-01.

The work shall include demolition, saw cutting, disposal, fill, compaction, construction of the new curb ramps, turning spaces and associated curbing. Also included are detectable warning units (supplied and installed where required), repairs to affected asphalt and concrete (as necessary), topsoil, establishing turf (on disturbed areas), and finish work. All material and labor required to perform these tasks is included. Any required adjustments to utilities shall be performed under the specifications for that work.

MATERIAL

Materials required for this work shall comply with, but are not limited to, the following Sections: 402-2, 502-2, 503-2, 608-2, 609-2, and 610-2.

CONSTRUCTION DETAILS

The work shall be in conformance with the US Customary Standard Sheets 608-01 and 608-03. The work performed shall comply with, but is not limited to, the following Sections of the Standard Specifications: 401-3, 402-3, 502-3, 503-3, 608-3, 609-3, and 610-3.

Any existing utility facilities not indicated to be removed that are damaged by the Contractor's operations performing this work, shall be repaired by the Contractor, to the satisfaction of the Engineer, at no additional cost.

Survey Requirements

The contractor shall be responsible for field verifying all elevations, slopes, and dimensions to ensure that the final layout of sidewalks and curb ramps meet ADA requirements prior to pouring concrete or placing asphalt or pavers. A Contract Control Plan is not necessary for work limited to sidewalks and curb ramps.

METHOD OF MEASUREMENT

Payment will be made at the unit price bid for each type of curb ramp (as shown in the US Customary Standard Sheets 608-01), satisfactorily installed, in accordance with the Contract Documents.

BASIS OF PAYMENT

The unit price bid shall include the cost of furnishing all labor, material, and equipment necessary to satisfactorily complete the work, to the satisfaction of the Engineer. Excavation and disposal under curb ramps and subbase course under curb ramps will be paid for separately. Sidewalk

ITEM 608.0105NN09 –CURB RAMP

beyond the upper grade break or turning space, as shown in the US Customary Standard Sheets 608-01, will be paid for separately. Any required Survey shall be paid for separately under the lump sum price bid for survey operations. Any incidental asphalt and concrete materials shall be included in work and not paid separately.

Payment will be made under:

<u>Item Number</u>	<u>Description</u>	<u>Pay unit</u>
608.01050009	Curb Ramp as shown in project details	Each
608.01050109	Curb Ramp Configuration Type 1	Each
608.01050209	Curb Ramp Configuration Type 2	Each
608.01050309	Curb Ramp Configuration Type 3	Each
608.01050409	Curb Ramp Configuration Type 4	Each
608.01050509	Curb Ramp Configuration Type 5	Each
608.01050609	Curb Ramp Configuration Type 6	Each
608.01050709	Curb Ramp Configuration Type 7	Each
608.01050809	Curb Ramp Configuration Type 8	Each
608.01050909	Curb Ramp Configuration Type 9	Each
608.01051009	Curb Ramp Configuration Type 10	Each
608.01051109	Curb Ramp Configuration Type 11	Each
608.01051209	Curb Ramp Configuration Type 12	Each
608.01051309	Curb Ramp Configuration Type 13	Each
608.01051409	Curb Ramp Configuration Type 14	Each

ITEM 627.50140008 - CUTTING PAVEMENT

DESCRIPTION:

The contractor shall cut existing asphalt pavement, concrete pavement, asphalt surface course, or asphalt concrete overlay on concrete pavement at the locations indicated and detailed on the plans and as directed by the Engineer.

MATERIALS:

None specified.

CONSTRUCTION DETAILS:

Existing pavement and overlay shall be cut perpendicular to the roadway surface along neat lines, and to the depth indicated on the plans and typical sections, using appropriate equipment. After the pavement has been cut through, the Contractor may use pry bars, pneumatic tools or other methods, to pry loose the pavement to be removed from the pavement that is to remain. A pavement breaker may be used to break up the pavement to be removed after the pavement has been completely cut through and completely free from the pavement to remain.

When pavement cutting is called for in the Contract documents, if a neat vertical face with minimal shatter is obtained by performing an adjacent operation (such as milling) which eliminates the need to perform a separate pavement cutting operation, payment will be made for both the pavement cutting item and the item for the adjacent operation.

Any existing pavements and curbs not indicated to be removed that are damaged by the contractor's operations, shall be repaired at no additional cost to the State. Pavement cutting that the contractor chooses to do for his/her own convenience shall not receive any additional payment from the State.

METHOD OF MEASUREMENT:

The quantity to be measured will be the number of linear feet of pavement cutting satisfactorily completed.

BASIS OF PAYMENT:

The unit price bid per linear foot of pavement cutting shall include the cost of all labor, materials, and equipment necessary to satisfactorily complete the work.

Payment for prying, breaking, removal and disposal of cut pavement shall be made through other appropriate items.

ITEM 660.6500NN01 - ALTERING UTILITY MANHOLES AND VAULTS

DESCRIPTION:

The work shall consist of the alteration of existing utility manholes and vaults in accordance with the contract plans.

MATERIALS:

Materials used for the alteration of utility manholes and vaults shall meet the requirements of §604-2.01 and shall be as indicated on the contract plans. Structures originally constructed with concrete block, common brick, or concrete brick shall be altered with Precast Concrete Pavers, §704-13, unless indicated otherwise on the contract plans.

CONSTRUCTION DETAILS:

Excavation shall be in conformance with the construction details of Subsection 206-3, Trench Culvert and Structure Excavation.

Reconstruction and adjustment of existing utility manholes and vaults shall be as detailed and specified on the contract plans. Construction with cast-in-place concrete shall conform to the requirements of Section 555, Structural Concrete.

Frames and covers to be reused shall be removed, cleaned, and reset at the required elevations. New frames and manhole covers shall be installed when specified.

No structure shall be backfilled until all the mortar has completely set. The requirements of Subsection 203-3.15, Fill and Backfill at Structures, Culverts, Pipes Conduits, Direct Burial Cable, shall apply.

METHOD OF MEASUREMENT:

Altering utility manholes and vaults will be measured by the number of structures altered.

BASIS OF PAYMENT:

The unit price bid for each shall include the cost of all materials, labor, and equipment necessary to satisfactorily complete the work, including all necessary cleaning, excavation, backfill, and replacement of any pavement, shoulder, and sidewalk courses, subcourses, curbs, drives, lawns, and any other surface. Frames and covers to be reused that are broken by the Contractor's operations shall be replaced in-kind at the Contractor's expense. New frames and covers will be paid for under the appropriate payment items for Frames and Grates in Section 655.

Payment will be made under:

<u>ITEM NO.</u>	<u>ITEM DESCRIPTION</u>	<u>PAY UNIT</u>
660.6500NN01	Altering Utility Manholes and Vaults	Each

NN = Serialized 01 to 99

NON-COLLUSIVE BIDDING CERTIFICATION

This Non-Collusive Bidding Certificate is made pursuant to Section 103-d of the General Municipal Law of the State of New York.

By submission of this bid, Bidder and each person signing on behalf of Bidder certifies, and in the case of a joint bid each party thereto certifies as to its own organization, under penalty of perjury, that to the best of his or her knowledge and belief:

The prices in this bid have been arrived at independently without collusion, consultation, communication, or agreement for the purpose of restricting competition, as to any matter relating to such prices with any other Bidder or with any competitor;

Unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by Bidder and will not knowingly be disclosed by Bidder prior to opening, directly or indirectly, to any other bidder or to any competitor; and

No attempt has been made or will be made by the bidder to induce any other person, partnership or corporation to submit or not to submit a bid for the purpose of restricting competition.

A bid shall not be considered for award nor shall any award be made where (1) (2) and (3) above, have not been complied with; provided, however, that if in any case Bidder cannot make the foregoing certification, Bidder shall so state and shall furnish with the bid a signed statement which sets forth in detail the reasons therefore. Where (1) (2) and (3) above have not been complied with, the bid shall not be considered for award nor shall any award be made unless the head of the purchasing unit of the political subdivision, public department, agency or official thereof to which the bid is made, or his designee, determines that such disclosure was not made for the purpose of restricting competition.

Dated: _____

Bidder: _____
(Legal name of person, firm or corporation)

By: _____
(Signature)

(Please Print Name)

(Title)

State of New York)
Town of _____)ss.:

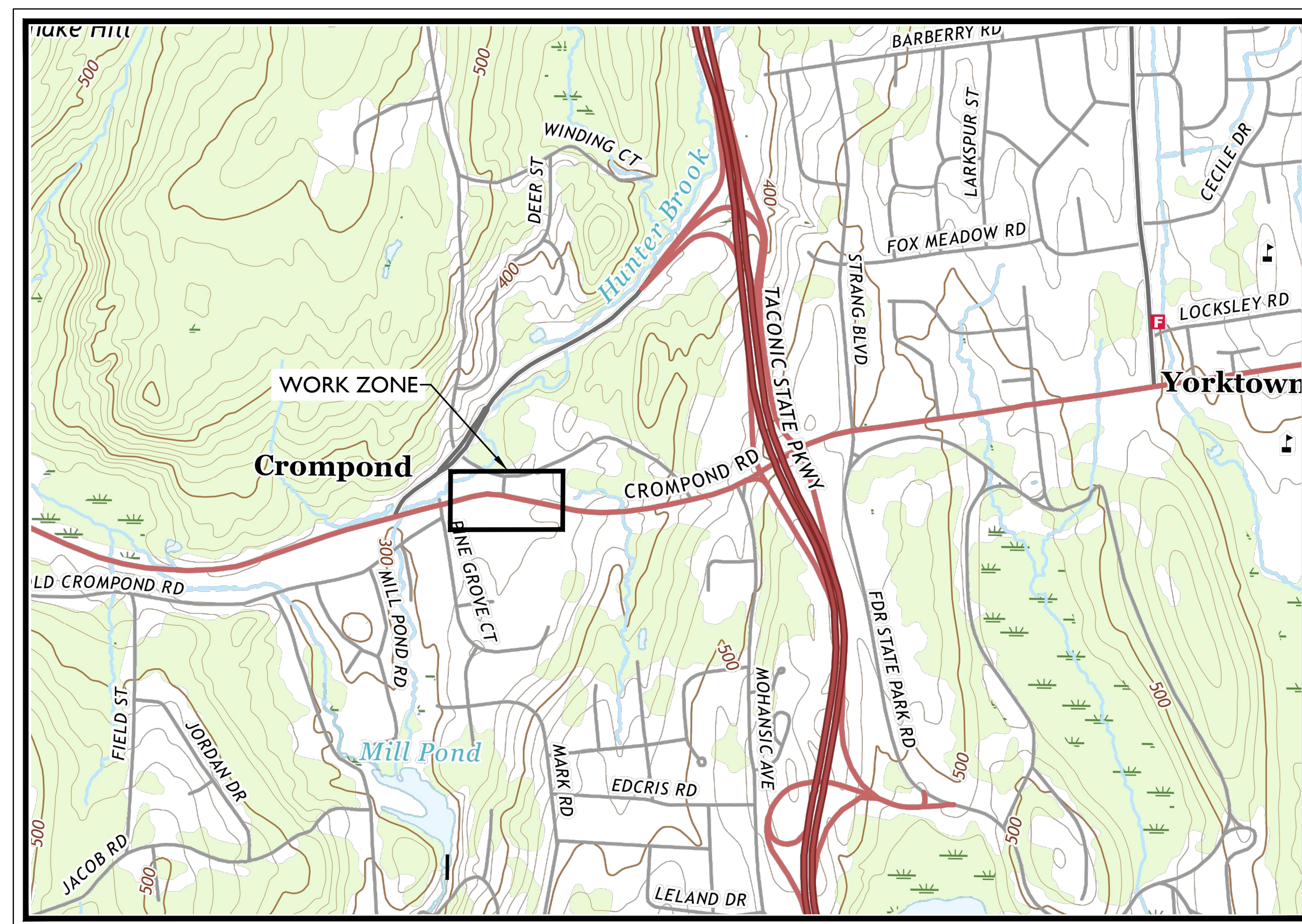
On the ____ day of _____ in the year 2024 before me, the undersigned, personally appeared _____, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

(Notary Public)

TOWN OF YORKTOWN ROADWAY IMPROVEMENT PLANS

FOR STONY STREET AT OLD CROMPOND ROAD

TOWN OF YORKTOWN WESTCHESTER COUNTY, NEW YORK



LOCATION MAP

SCALE: 1" = 1000'

THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS,
LATEST REVISION, TO GOVERN.

NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SHEETS DATED,
LATEST REVISION, ARE APPLICABLE TO THIS PROJECT.

INDEX OF SHEETS		
NUMBER OF SHEETS	SHEET NUMBERS	DESCRIPTION
1	1	COVER SHEET
1	2	GENERAL NOTES AND LEGEND
3	3 - 5	CONSTRUCTION AND SIDEWALK DETAILS
1	6	TYPICAL SECTIONS
1	7	CONSTRUCTION PLAN
1	8	GRADING AND DRAINAGE PLAN
1	9	SIGNING AND STRIPING PLAN
1	10	WORK ZONE TRAFFIC CONTROL PLAN
10		



Colliers
Engineering
& Design


www.colliersengineering.com

Copyright © 2023, Colliers Engineering & Design All Rights Reserved. This drawing and all the information contained herein is authorized for use only by the party for whom the services were contracted or to whom it is rendered. This drawing may not be copied, reused, distorted, distributed or relied upon for any other purpose without the express written consent of Colliers Engineering & Design.

Doing Business as 

811 PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE
Know what's below.
Call before you dig.
FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM


REV.	DATE	DRAWN BY	DESCRIPTION
1	04/19/2024	REG	REVISED PER NYSDOT COMMENTS DATED 4/2/2020
2	03/24/21	REG	REVISED PER NYSDOT SIGNAL COMMENTS RECEIVED 3/23/21 ADDED DRAINAGE MAINTENANCE NOTE
3	04/22	MJA	SEPARATED TOWN WORKS & DOT WORK
4	12/22/22	MJA	MODIFIED OLD CROMPOND ROAD GRADING
5	01/12/23	PTV	REVISED PER TOWN COMMENTS
6	02/23/23	REG	REVISED PER TOWN MEETING COMMENTS



Philip John Grealy
NEW YORK LICENSED PROFESSIONAL ENGINEER
LICENSE NUMBER: 059858-1
COLLIERS ENGINEERING & DESIGN CT, P.C.
N.Y. C.O.A. #: 0017609

**TOWN OF YORKTOWN
ROADWAY IMPROVEMENT
PLANS**
FOR
**STONY STREET AT
OLD CROMPOND
ROAD**

**TOWN OF YORKTOWN
WESTCHESTER COUNTY
NEW YORK**



WESTCHESTER
400 Columbus Avenue,
Suite 180E
Valhalla, NY 10595
Phone: 914.347.7500

COLLIERS ENGINEERING & DESIGN CT, P.C.
DOING BUSINESS AS MASER CONSULTING
ENGINEERING & LAND SURVEYING

SCALE: AS SHOWN	DATE: 12/24/19	DRAWN BY: J.F.M.	CHECKED BY: R.G.D.
PROJECT NUMBER: 18009103A	DRAWING NAME: R-PL01-COVER		
SHEET TITLE: COVER SHEET			
SHEET NUMBER: 1 of 10			

201810001 (0A) TransportationTown Plans&R-PL01-COVER.dwg, PLOT DATE: 04/19/2024, BY: JGANDREIA

UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY OR ENGINEERING MAP BEARING A LICENSED LAND SURVEYOR OR PROFESSIONAL ENGINEER IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2, OF THE NEW YORK STATE EDUCATION LAW. ONLY MAPS WITH THE LAND SURVEYOR OR PROFESSIONAL ENGINEER'S SEAL ARE GENUINE TRUE AND CORRECT COPIES OF THE LAND SURVEYOR OR PROFESSIONAL ENGINEER'S ORIGINAL WORK AND OPINION.

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

GENERAL NOTES

- 1. TOPOGRAPHIC SURVEY INFORMATION HAS BEEN OBTAINED FROM A SURVEY PREPARED BY THE LAURO GROUP DATED SEPTEMBER 23, 2019.
2. THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE NEW YORK STATE DEPT. OF TRANSPORTATION (NYSDOT) STANDARD SPECIFICATIONS...
3. CONTRACTOR SHALL FIELD VERIFY EXISTING GRADES, EXISTING STRUCTURE LOCATIONS AND OTHER EXISTING CONDITIONS PRIOR TO CONSTRUCTION...
4. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT OTHER CONTRACTOR'S MAY BE WORKING IN THE AREA ON OTHER CONSTRUCTION AT THE SAME TIME THAT WORK IS PERFORMED UNDER THIS CONTRACT...

TRAFFIC CONTROL NOTES

- 1. GENERAL
THE CONTRACTOR SHALL MAINTAIN TRAFFIC THROUGHOUT THE LENGTH OF THE CONTRACT IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 619 OF THE STANDARD SPECIFICATIONS...
2. CONSTRUCTION EQUIPMENT
CONSTRUCTION EQUIPMENT SHOULD BE REMOVED 30' FROM THE EDGE OF PAVEMENT DURING NON-WORKING HOURS.
3. CONSTRUCTION MATERIAL
NO MATERIAL IS TO BE PLACED ON THE SHOULDER, OR WITHIN 30' FROM THE EDGE OF THE PAVEMENT...
4. PARKING VEHICLES
PRIVATE VEHICLES OWNED BY THE CONTRACTOR OR HIS WORKERS SHALL NOT BE PARKED ON THE PAVEMENT OR SHOULDERS...
5. ADVANCE WARNING SIGNS
DIAMOND SHAPED ADVANCE WARNING SIGNS SHALL BE USED FOR ALL ADVANCE WARNING SIGNS THAT MAY BE EITHER DIAMOND OR RECTANGULAR SHAPED.
6. WORK ZONES
WORK ZONES SHALL BE LIMITED TO ONE SIDE OF THE TRAVELED WAY AT A TIME...
7. OVERLAPPING WORK AREAS
THE CONTRACTOR SHALL COORDINATE HIS WORK SO THERE IS NO CONFLICT IN CONSTRUCTION SIGNING IN OVERLAPPING WORK AREAS...
8. CONES, DRUMS, BARRICADES AND MARKERS
ALL CONES, DRUMS AND MARKERS ARE TO BE PLACED SO AS TO PROVIDE A MINIMUM 2' CLEARANCE TO THE TRAVELED WAY...
9. VEHICLE RESTRICTIONS
WHENEVER CONSTRUCTION CONDITIONS RESTRICT PASSAGE BY OVERSIZED VEHICLES, THE CONTRACTOR SHALL GIVE WRITTEN NOTICE TO THE REGIONAL PERMIT ENGINEER...
10. TAPER LENGTHS
TAPER LENGTHS FOR CLOSURES AND LATERAL SHIFTS OF TRAVEL LANES SHALL CONFORM TO FIGURE DWG. 619-11 OF THE STANDARD DETAIL SHEETS...
11. TEMPORARY PAVEMENT MARKINGS
THE CONTRACTOR SHALL PROVIDE TEMPORARY PAVEMENT MARKINGS AT ALL TIMES ON ALL PAVEMENT, WHETHER EXISTING, TEMPORARY OR NEW...

- 12. SIGNS
THE CORRECT SEQUENCE AND PACING OF SIGNS, WHETHER PERMANENT, TEMPORARY OR CONSTRUCTION, MUST BE MAINTAINED AT ALL TIMES IN ACCORDANCE WITH THE MUTCD. ALL SIGNS INCLUDING GUIDE SIGNS SHALL INDICATE ACTUAL CONDITIONS AT ALL TIMES AND SHALL BE COVERED, MOVED, REMOVED, RELOCATED OR CHANGED IMMEDIATELY AS DIRECTED BY THE ENGINEER.
APPROPRIATE WARNING SIGNS IN ACCORDANCE WITH THE MUTCD, THE PLANS, AND/OR AS DIRECTED BY THE ENGINEER SHALL PRECEDE EACH WORK AREA.
ALL SIGNS NECESSARY FOR THE MAINTENANCE AND PROTECTION OF TRAFFIC (INCLUDING RELOCATION AND/OR MODIFICATION AND/OR RESTORATION OF EXISTING SIGN PANELS) AS NOTED IN THE SPECIFICATIONS...
13. GUIDE RAIL WORK
WHERE IT EXISTS, ANY FREE ENDS OF GUIDE RAIL SHALL BE ADEQUATELY PROTECTED FROM IMPACT...
14. PRELIMINARY WORK
PRIOR TO THE START OF ANY CONSTRUCTION PHASE, ALL PROPOSED MAINTENANCE AND PROTECTION OF TRAFFIC RELATED WORK FOR THAT PHASE, AS DETERMINED BY THE ENGINEER, SHALL BE COMPLETE.
15. MISCELLANEOUS
IN THE EVENT THE CONTRACTOR SHUTS DOWN HIS OPERATION FOR THE WINTER MONTHS, THE ENTIRE HIGHWAY SYSTEM SHALL BE OPENED TO TRAFFIC...
16. FLAGGER
IN ADDITION TO THE FLAG PERSON REQUIREMENTS SPECIFIED IN SECTION 619 OF THE STANDARD SPECIFICATIONS, FLAGGERS SHALL BE PROVIDED AS NEEDED...
17. LANE CLOSURES
THE CONTRACTORS SHALL MAINTAIN AT LEAST ONE LANE OF TRAFFIC IN EACH DIRECTION AND SHALL PROVIDE FLAG PERSONS AS NECESSARY AS ORDERED BY THE ENGINEER...
18. PUBLIC INGRESS AND EGRESS
THE CONTRACTOR SHALL PROVIDE PROPERTY OWNERS WITH PROPER ACCESS TO AND MINIMUM WIDTHS FOR THEIR DRIVEWAYS...
19. CONSTRUCTION INGRESS AND EGRESS
THE CONTRACTOR SHALL KEEP TO A MINIMUM MOVEMENTS IN AND OUT OF DESIGNATED TRAVEL LANES WITH CONSTRUCTION VEHICLES AND EQUIPMENT...
20. DELINEATORS
DOUBLE DELINEATORS (WHITE ON MOTORISTS RIGHT AND YELLOW ON MOTORISTS LEFT) SHALL BE INSTALLED AT 40 FOOT INTERVALS...
21. SHOULDER DROPS
A DROP-OFF OF GREATER THAN 24 INCHES WITHIN 10 FEET FROM THE EDGE OF THE TRAVELED WAY TO REMAIN AT THE END OF THE WORK SHIFT SHALL BE SEPARATED FROM TRAFFIC WITH TEMPORARY OR PERMANENT BARRIER...

SPECIAL NOTES

- 1. MAINTENANCE AND PROTECTION OF TRAFFIC IS THE RESPONSIBILITY OF THE PERMITEE. ANY SUBCONTRACTORS WORKING FOR THE PERMITEE MUST HAVE A COPY OF THE HIGHWAY WORK PERMIT ON THE SITE AND MUST BE FAMILIAR WITH THE TRAFFIC CONTROL REQUIREMENTS...
2. TRAFFIC CONTROL SCHEMES MUST BE IN PLACE AND MAINTAINED THROUGHOUT THE DURATION OF WORK.
3. ALL MAINTENANCE AND PROTECTION OF TRAFFIC IS TO BE IN ACCORDANCE WITH THE FEDERAL MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND THE NYS SUPPLEMENT.
4. ANYONE WORKING WITHIN THE HIGHWAY R.O.W. SHALL WEAR HIGH-VISIBILITY APPAREL MEETING THE ANSI 107 CLASS II STANDARDS AND AN OSHA APPROVED HARD HAT.
5. AT THE START OF WORK ON THE PROJECT ALL WORK ZONE TRAFFIC CONTROL DEVICES SHALL APPEAR IN "ACCEPTABLE CONDITION. THESE DEVICES SHALL NOT BE ALLOWED TO FALL BELOW THE "MARGINAL" CONDITION AT ANY TIME DURING THE LIFE OF THE PROJECT...
6. FLAGGER SIGNS ARE TO BE USED ONLY WHEN A FLAGGER IS ACTUALLY PRESENT AND VISIBLE TO THE MOTORIST...
7. NO LOW-MOUNTED SIGNS SHALL BE PERMITTED, EXCEPT FOR FLEXIBLE PANELS MEETING THE CURRENT SPECIFICATION REQUIREMENTS.
8. NO WORK WITHIN THE TOWN ROW SHALL COMMENCE WITHOUT A PRE-CONSTRUCTION MEETING WITH TOWN REPRESENTATIVES PRESENT.
9. AS-BUILT PLANS SHALL BE SENT TO THE TOWN IN HARD COPY AND ELECTRONIC FORMAT COMPATIBLE WITH THE SYSTEM CURRENTLY USED BY TOWN.
10. THE PERMITEE IS RESPONSIBLE FOR HIRING AN INSPECTOR TO BE ONSITE DURING ALL CONSTRUCTION OPERATIONS ON THE TOWN ROW TO ENSURE ALL WORK IS PERFORMED IN ACCORDANCE TO NYSDOT SPECIFICATIONS.

EXCAVATION SPECIAL NOTES

- 1. TRANSVERSE UTILITY CROSSINGS UNDER TOWN PAVEMENT SHALL BE A MINIMUM OF FIVE (5) FEET BETWEEN THE TOP OF THE PAVEMENT AND THE TOP OF UTILITY.
2. LONGITUDINAL UTILITY RUNS OUTSIDE THE PAVEMENT LIMITS MUST BE A MINIMUM OF THREE (3) FEET FROM TOP OF GRADE TO TOP OF UTILITY...
3. LONGITUDINAL UTILITY RUNS SHOULD BE KEPT AS CLOSE TO THE RIGHT OF WAY LINE OR AS FAR FROM THE PAVEMENT AS POSSIBLE.
4. ANY EXCAVATION WHICH EXCEEDS FIVE FEET IN DEPTH AND HAS LIVE TRAFFIC OR UTILITIES WITHIN 1x1/4th PROJECTION FROM THE BOTTOM EXCAVATION SHALL UTILIZE A SHEETING/SHORING SYSTEM WHICH PROVIDES DIRECT CONTACT AND SUPPORT OF THE EXCAVATION SIDES...
5. DESIGN DOCUMENTS FOR PREFABRICATED "SHEETING BOX," WHERE USED, SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NEW YORK.

REQUIRED TREATMENT FOR PAVEMENT EDGE DROP-OFFS

TABLE 619-4 PAVEMENT EDGE DROP-OFF PROTECTION
Table with columns: DROP-OFF HEIGHT, EDGE LINE PAVEMENT MARKINGS, DRUM SPACING (FT.), VERTICAL PANEL SPACING (FT.), TUBULAR MARKER SPACING (FT.), TALL CONE SPACING (FT.), SIGNS. Includes sections for WITHIN 4 FT. FROM TRAVEL LANE and SHOULDER WIDTH < 4 FT.

NOTES

- A DROP-OFF IS AN ABRUPT DIFFERENCE IN SURFACE ELEVATION OF MORE THAN 2 INCHES AT APPROXIMATELY 1V:3H OR STEEPER...
THE CONTRACTOR SHALL PROVIDE PAVEMENT EDGE DROP-OFF PROTECTION IN ACCORDANCE WITH TABLE 619-3 PAVEMENT EDGE DROP OFF PROTECTION...
A DROP-OFF OF GREATER THAN 24 INCHES WITHIN 10 FEET FROM THE EDGE OF THE TRAVELED WAY TO REMAIN AT THE END OF THE WORK SHIFT SHALL BE SEPARATED FROM TRAFFIC WITH TEMPORARY OR PERMANENT BARRIER...
UNLESS OTHERWISE NOTED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL BEGIN WORK TO ELIMINATE UNPROTECTED DROP-OFFS CREATED BY CONTRACT WORK WITHIN 7 CALENDAR DAYS OF THE COMPLETION OF THE WORK...
WHERE PAVEMENT EDGE LINES ARE PROVIDED, CHANNELIZING DEVICES SHALL BE PRECEDED BY SHOULDER DROP-OFF (WB-17) SIGNS...
SIGNING SHALL BE REPEATED EVERY 1/2 MILE AND SUPPLEMENTED WITH NEXT [X] MILES (W7-3AP) PLAQUE WHERE APPLICABLE.

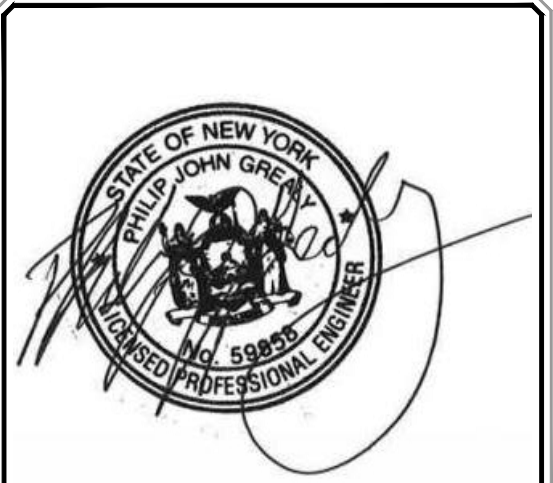
DROP-OFFS

THE CONTRACTOR SHALL FURNISH, ERECT, MOVE, MAINTAIN AND REMOVE DELINEATORS, CHANNELIZING DEVICES, AND TRAFFIC BARRIER AS REQUIRED BY THE CONTRACT DOCUMENTS AND AS DIRECTED BY THE ENGINEER. IN AREAS WHERE GRADING IS BEING DONE, A SAFE AND EASILY TRAVELED ROADWAY SHALL BE PROPERLY MARKED AT ALL TIMES EITHER BY THE USE OF DELINEATION AND CHANNELIZING DEVICES OR FLAGGERS...
USAGE, PLACEMENT AND DESIGN OF CHANNELIZING DEVICES SHALL BE CONSISTENT WITH THE MUTCD. CHANNELIZING DEVICES CONSISTING OF CONES, PLASTIC DRUMS, TUBULAR MARKERS, TYPE II BARRICADES, OR VERTICAL PANELS SHALL BE USED TO MARK THE LIMITS OF THE TRAVELED WAY AVAILABLE FOR USE BY TRAFFIC...
ALL CHANNELIZING DEVICES SHALL BE MAINTAINED UPRIGHT, IN PROPER ALIGNMENT AND POSITION OF THE DEVICES, IT SHALL CONSIST OF DRY SAND PLACED AT GROUND LEVEL...
IF POST-MOUNTED DELINEATORS ARE USED, THEY SHALL BE SECURELY MOUNTED AND PLACED IN ACCORDANCE WITH THE REQUIREMENTS OF MUTCD...
FOR DROP-OFFS WITHIN TEN (10) FEET OF TRAVEL LANES, THE CONTRACTOR SHALL PROVIDE TRAFFIC PROTECTION IN ACCORDANCE WITH THE PROVISIONS OF TABLE 619-4...

Colliers Engineering & Design
www.colliersengineering.com
Copyright © 2023, Colliers Engineering & Design All Rights Reserved. This drawing and all the information contained herein is authorized for use only by the party for whom the services were contracted and is not to be used, copied, revised, or otherwise reproduced without the express written consent of Colliers Engineering & Design.

Doing Business as MASER
PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE
Call before you dig
FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

Table with columns: REV, DATE, DRAWN BY, DESCRIPTION. Includes revision history for comments and design changes.



Philip John Grealy
NEW YORK LICENSED PROFESSIONAL ENGINEER
LICENSE NUMBER: 059858-1
COLLIERS ENGINEERING & DESIGN CT, P.C.
N.Y. C.O.A.#: 0017609

TOWN OF YORKTOWN GENERAL NOTES

- A. ALL CONSTRUCTION IS TO BE DONE IN ACCORDANCE WITH THIS CHAPTER AND CHAPTER 195, LAND DEVELOPMENT.
B. PERMANENT SURVEY MONUMENTS TIED TO THE NEW YORK STATE COORDINATE SYSTEM (NAD 83) SHALL BE LOCATED WHERE SPECIFIED BY THE TOWN ENGINEER.
C. BENCH MARKS USING USGS DATUM SHALL BE LOCATED ON THE NORTHWEST NUT OF THE TOP FLANGE OF FIRE HYDRANTS WHERE SPECIFIED BY THE TOWN ENGINEER.
D. LOCATION OF GAS AND WATER VALVES, ELECTRIC AND TELEPHONE POLES ARE TO BE DETERMINED BY PROPER AUTHORITIES AND APPROVED AS TO LOCATION BY THE TOWN ENGINEER.
E. EACH DWELLING CONSTRUCTED HEREON SHALL BE OF SUCH AN ELEVATION THAT THE GROUND WILL SLOPE AWAY FROM IT IN ALL DIRECTIONS.
F. ROOF LEADERS AND FOOTING DRAINS SHALL EMPTY INTO CURTAIN DRAINS AND OTHER TOWN STORM DRAINAGE SYSTEMS WHEREVER POSSIBLE...
G. ALL EXISTING UNDERGROUND DRAINS ENCOUNTERED DURING CONSTRUCTION OF PROPOSED ROADS ARE TO BE CONNECTED TO PROPOSED DRAINAGE IMPROVEMENTS.
H. INTERCEPTOR DRAINS ARE TO BE INSTALLED WHERE REQUIRED BY THE TOWN ENGINEER DURING ROAD CONSTRUCTION.
I. MINIMUM SIZE OF STORM DRAINS SHALL BE 15 INCHES IN DIAMETER, REINFORCED CONCRETE, CORRUGATED METAL ALUMINIZED STEEL TYPE 2 OR ALUMINUM...
J. ALL HYDRANTS SHALL REQUIRE TWO COATS OF ELECTRO FARROTHANE, PLASTIC FINISH NO. 44 RED PAINT...
K. STREET SIGNS SHALL BE EXTRUDED ALUMINUM .091 INCH THICK, 6 3/4 INCHES HIGH, 30 INCHES LONG, GREEN WITH WHITE LETTERS...
L. ALL SITE UTILITY LINES SHALL BE PLACED UNDERGROUND.
M. NO TOPSOIL SHALL BE REMOVED FROM THE SITE.
N. TWO TREES PER LOT SHALL BE PROVIDED BY THE DEVELOPER.
O. EROSION AND SEDIMENTATION CONTROL DURING CONSTRUCTION SHALL CONFORM TO WESTCHESTER COUNTY, NEW YORK, BEST MANAGEMENT PRACTICES MANUAL ON CONSTRUCTION RELATED ACTIVITIES.
P. STREET OPENING PERMITS FROM THE YORKTOWN HIGHWAY DEPARTMENT WILL BE REQUIRED FOR INSTALLATIONS AND DRIVEWAY CONNECTIONS.
Q. ALL TRENCH OPENINGS IN TOWN ROADS WILL BE BACKFILLED WITH EITHER K-CRETE AND TWO INCHES OF ASPHALTIC CONCRETE TOP OR COMPACTED ITEM NO. 4 AND THREE INCHES OF ASPHALTIC CONCRETE BINDER AND TWO INCHES OF ASPHALTIC CONCRETE TOP (SEE DETAIL).
R. TOWN ENGINEERING DEPARTMENT SHALL BE NOTIFIED 48 HOURS BEFORE CONSTRUCTION IS STARTED.

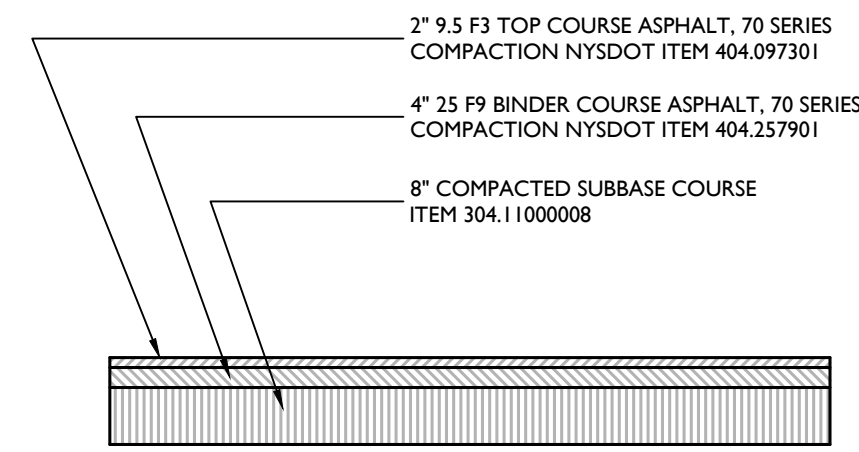
TOWN OF YORKTOWN ROADWAY IMPROVEMENT PLANS FOR STONY STREET AT OLD CROMPOD ROAD

TOWN OF YORKTOWN WESTCHESTER COUNTY NEW YORK

Colliers Engineering & Design
400 Columbus Avenue, Suite 1806, Valhalla, NY 10595
Phone: 914.347.7500
SCALE: AS SHOWN, DATE: 12/24/19, DRAWN BY: J.F.M., CHECKED BY: R.G.D.
PROJECT NUMBER: 18009103A, DRAWING NAME: R-PL02-GENLG
SHEET TITLE: GENERAL NOTES AND LEGEND
SHEET NUMBER: 2 of 10

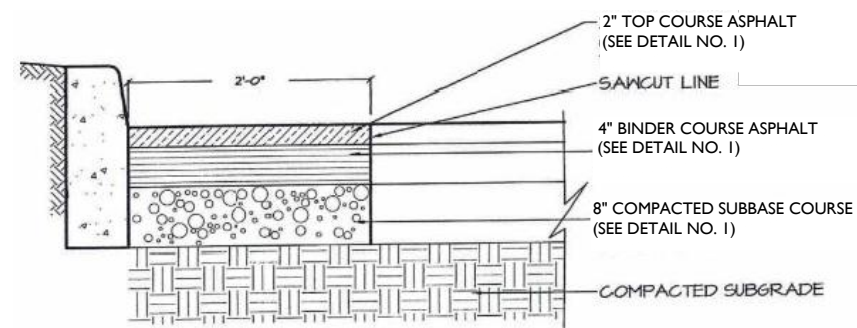
NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION

UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY OR ENGINEERING MAP BEARING A LICENSED LAND SURVEYOR OR PROFESSIONAL ENGINEER IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2, OF THE NEW YORK STATE EDUCATION LAW. ONLY MAPS WITH THE LAND SURVEYOR OR PROFESSIONAL ENGINEER'S SEAL ARE GENUINE TRUE AND CORRECT COPIES OF THE LAND SURVEYOR OR PROFESSIONAL ENGINEER'S ORIGINAL WORK AND OPINION.

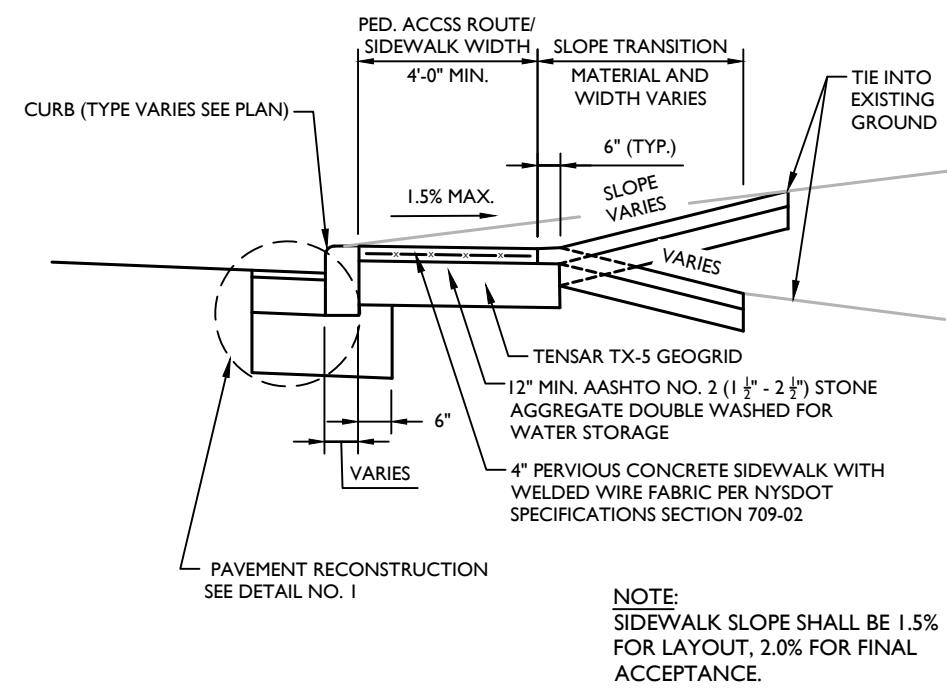


PAVEMENT LAYER THICKNESS SHOWN ARE MINIMUM VALUES AND SHALL MATCH EXISTING IF GREATER

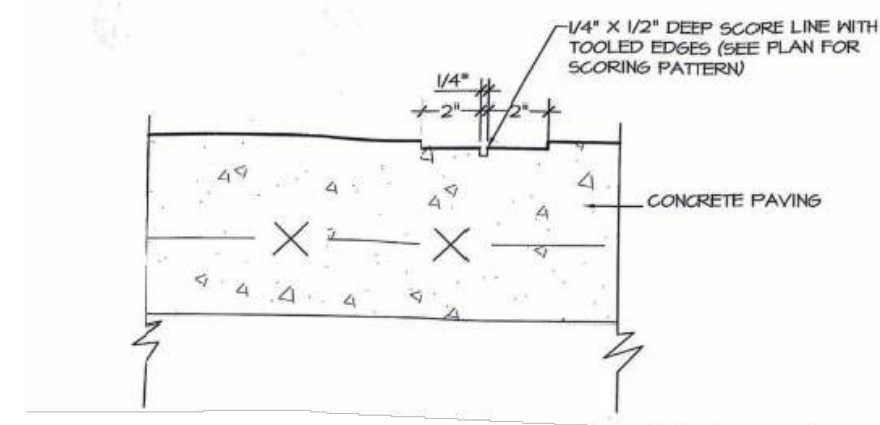
1 TOWN OF YORKTOWN FULL DEPTH PAVEMENT SECTION DETAIL



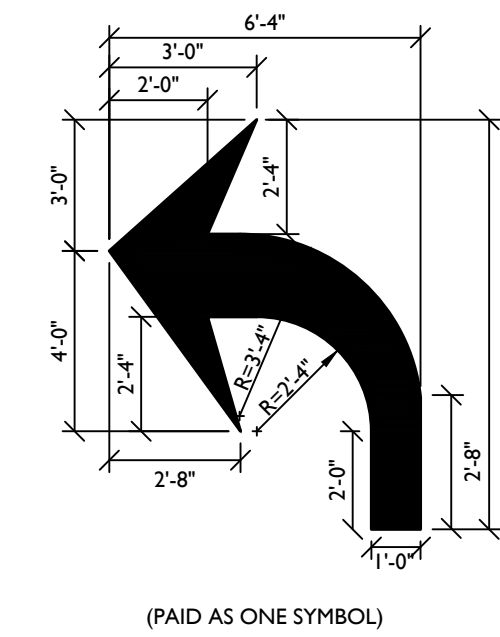
2 TOWN OF YORKTOWN SAWCUT ASPHALT PAVEMENT AT CURBS



3 POROUS CONCRETE SIDEWALK TYPICAL CROSS SECTION

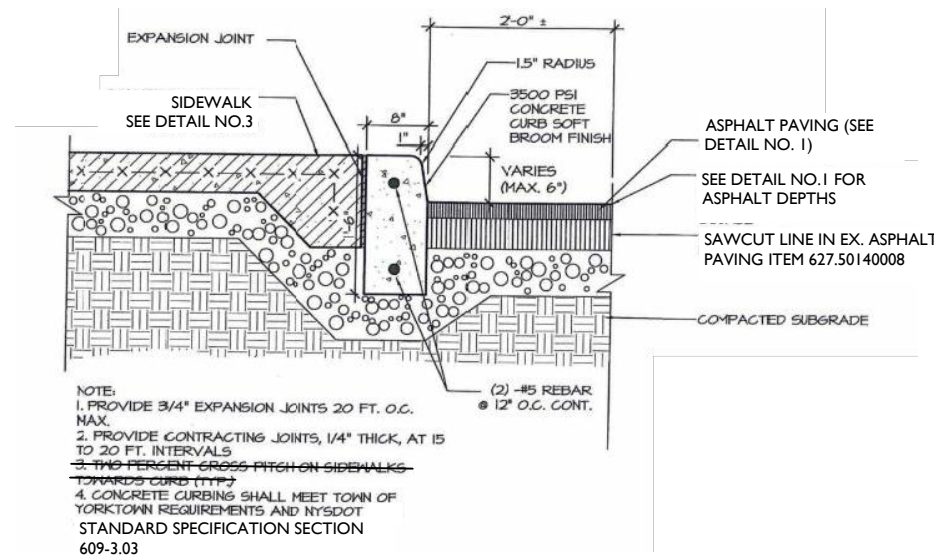


4 TOWN OF YORKTOWN TOOLED SCORE LINE

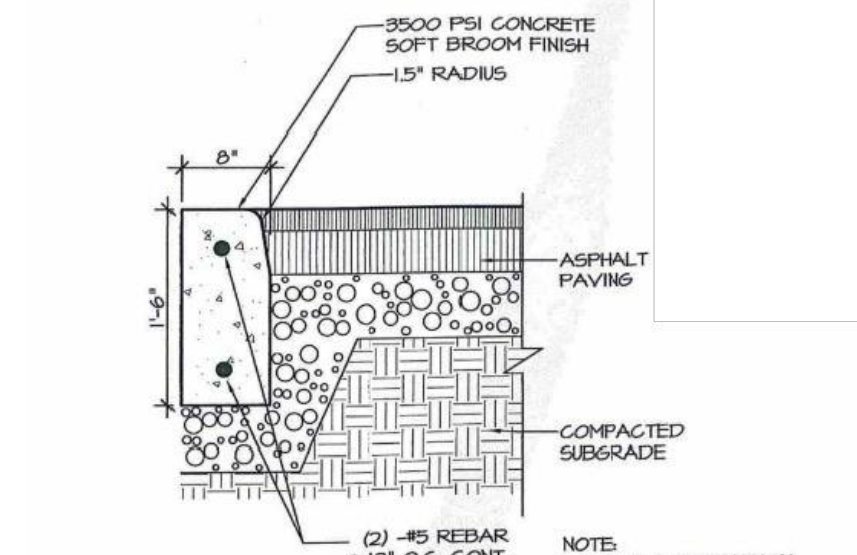


PER NYSDOT STANDARD SHEET 685-01 (SHEET 8 OF 9)

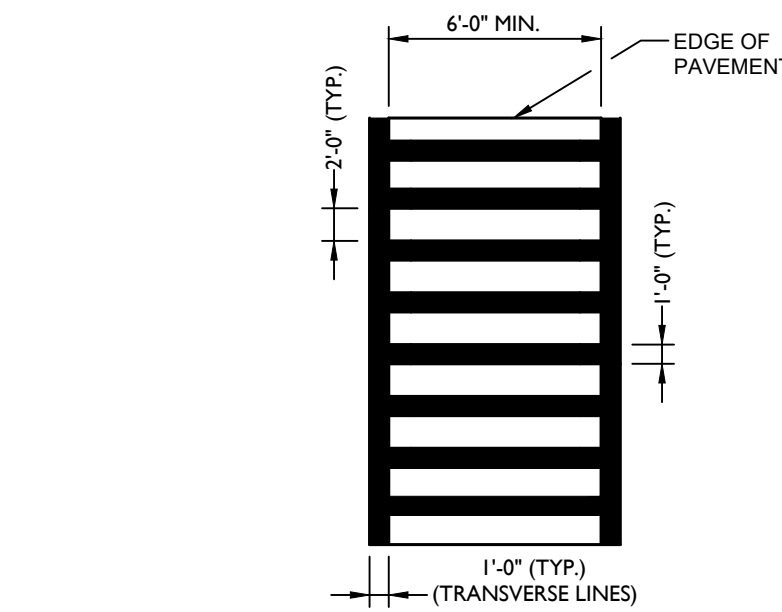
5 TURNING ARROW



6 TOWN OF YORKTOWN CONCRETE CURB

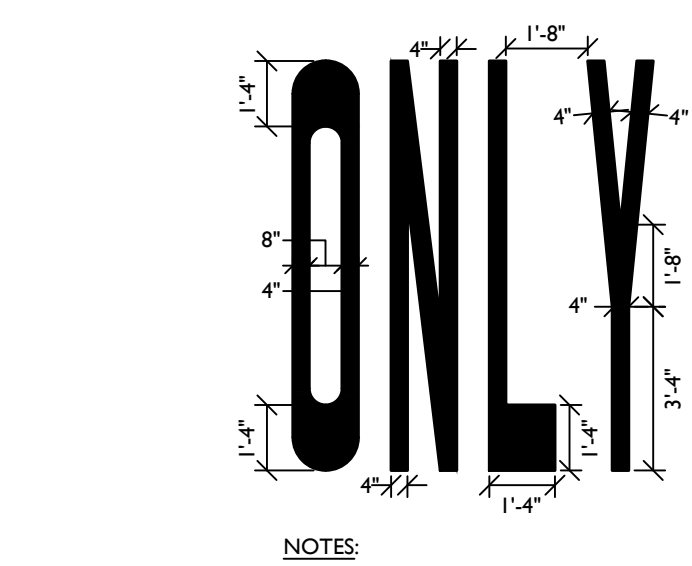


7 TOWN OF YORKTOWN DROP CURB AT RAMPS



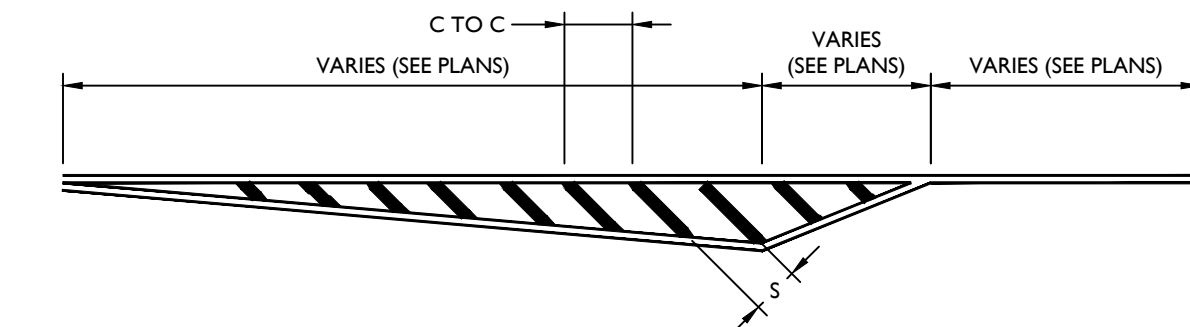
PER NYSDOT STANDARD SHEET 685-01 (SHEET 2 OF 9)

8 COMBINED TYPE 'LS' CROSSWALK



PER NYSDOT STANDARD SHEET 685-01 (SHEET 8 OF 9)

9 "ONLY" LETTERS



CRITERIA FOR HATCHED LINES			
WIDTH OF LINE	ANGLE WITH ADJACENT LANE	SPACE BETWEEN ADJACENT LINES	CENTER TO CENTER DISTANCE PARALLEL TO ADJACENT LANE
24"	45°	6'	11'-4"

PER NYSDOT STANDARD SHEET 685-01 (SHEET 1 OF 9)

10 HATCHED ISLAND DETAIL

NOTES:

- REFER TO NYSDOT STANDARD SHEET 685 STANDARD PAVEMENT MARKINGS.

Colliers

Engineering & Design

www.colliersengineering.com

Copyright © 2023, Colliers Engineering & Design All Rights Reserved. This drawing and all the information contained herein is authorized for use only by the party for whom the services were contracted or to whom it is rendered. This drawing may not be copied, revised, disclosed, distributed or relied upon for any other purpose without the express written consent of Colliers Engineering & Design.

Doing Business as M.A.S.E.R. CONSULTANTS

811 PROTECT YOURSELF ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE. Know what's below. Call before you dig. FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

REV.	DATE	DRAWN BY	DESCRIPTION
1	04/19/2024	RGD	REVISED PER NYSDOT COMMENTS DATED 4/27/2020
2	03/24/21	RGD	REVISED PER NYSDOT SIGNAL COMMENTS RECEIVED 3/23/21 ADDED: DRAINAGE MAINTENANCE NOTE
3	04/22	M.J.A.	SEPARATED TOWN WORK & DOT WORK
4	12/22/22	M.J.A.	MODIFIED OLD COMPOND ROAD GRADING
5	01/12/23	PTV	REVISED PER TOWN COMMENTS
6	02/23/23	RGD	REVISED PER TOWN MEETING COMMENTS



Philip John Grealy
NEW YORK LICENSED PROFESSIONAL ENGINEER
LICENSE NUMBER: 059858-1
COLLIERS ENGINEERING & DESIGN CT, P.C.
N.Y. C.O.A. #: 0017609

TOWN OF YORKTOWN
ROADWAY IMPROVEMENT
PLANS
FOR
STONY STREET AT
OLD COMPOND
ROAD

TOWN OF YORKTOWN
WESTCHESTER COUNTY
NEW YORK

WESTCHESTER
400 Columbus Avenue,
Suite 180E
Valhalla, NY 10595
Phone: 914.347.7500
COLLIERS ENGINEERING & DESIGN CT, P.C.
DOING BUSINESS AS MASER CONSULTANTS
ENGINEERING & LAND SURVEYING

SCALE: AS SHOWN	DATE: 12/24/19	DRAWN BY: J.F.M.	CHECKED BY: R.G.D.
PROJECT NUMBER: 18009103A	DRAWING NAME: R-PL03-DT15		

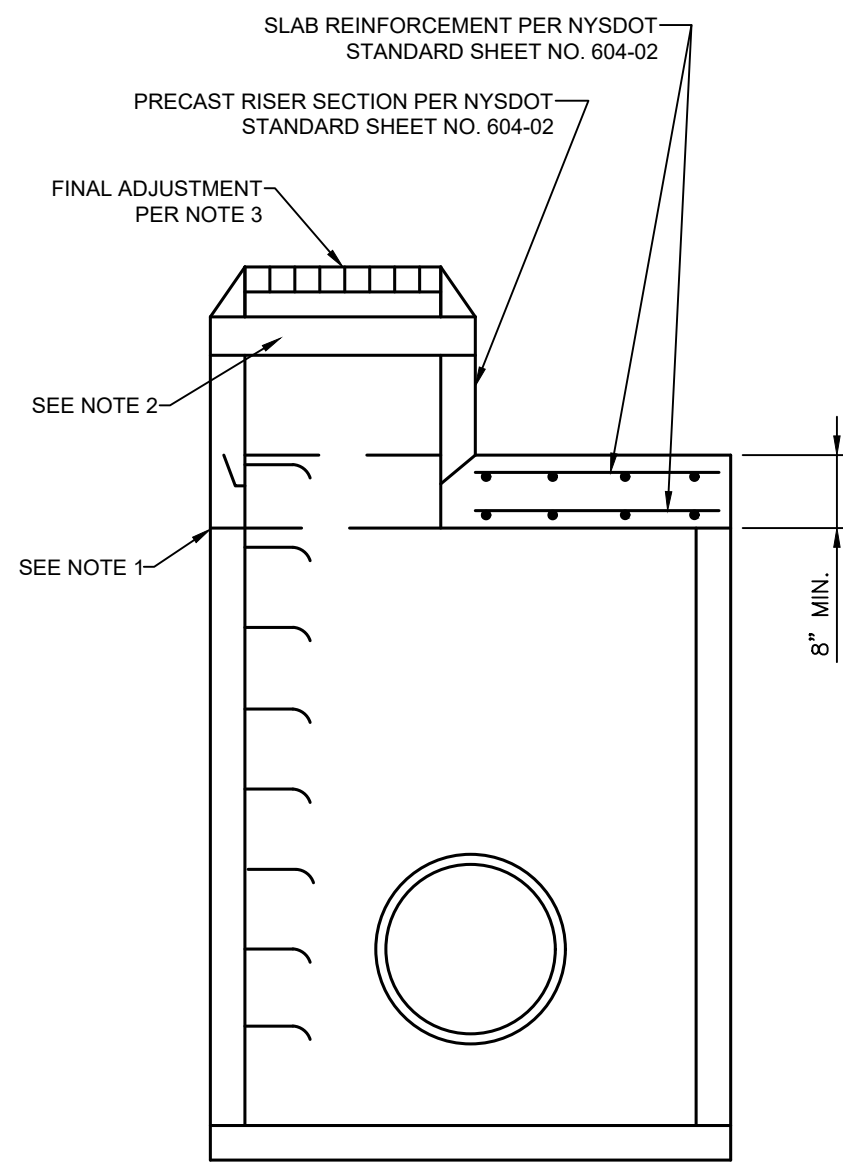
SHEET TITLE:
CONSTRUCTION DETAILS

SHEET NUMBER:
3 of 10

20181000110A\Transportation\Town Plans\03-DT15.dwg, PLO3-DT15 By: 60AN02BA

UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY OR ENGINEERING MAP BEARING A LICENSED LAND SURVEYOR OR PROFESSIONAL ENGINEER IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2, OF THE NEW YORK STATE EDUCATION LAW. ONLY MAPS WITH THE LAND SURVEYOR OR PROFESSIONAL ENGINEER'S SEAL ARE GENUINE TRUE AND CORRECT COPIES OF THE LAND SURVEYOR OR PROFESSIONAL ENGINEER'S ORIGINAL WORK AND OPINION.

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



- NOTE:
1. REMOVE EXISTING STRUCTURE TO DEPTH NECESSARY TO PROVIDE STABLE FOUNDATION FOR NEW PRECAST CONCRETE SLAB. THE SIZE OF THE EXISTING STRUCTURE SHOWN ON THE PLANS IS APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING ALL CRITICAL DIMENSIONS PRIOR TO BEGINNING FABRICATION OF ANY PRECAST ELEMENTS. THE WORKING DRAWINGS SHALL CLEARLY SHOW ALL FIELD MEASUREMENTS, SIZES OF EXISTING AND PROPOSED PIPES AND THE LOCATION OF THE SLAB OPENING/CASTING.
 2. SLAB OPENING/CASTING SHALL BE LOCATED TO PROVIDE ACCESS TO STEPS. COST FOR STEP INSTALLATION SHALL BE INCLUDED IN THE PRICE BID FOR ALTERING DRAINAGE STRUCTURES.
 3. USE PRECAST RISER SECTION(S) AND PREFABRICATED ADJUSTMENT RINGS TO ADJUST NEW MANHOLE FRAME AND GRATE TO FINISHED GRADE ELEVATION. FRAME SHALL BE SET IN A FULL BED OF MORTAR.
 4. SEE GRADING AND DRAINAGE PLANS FOR FINISHED GRADE ELEVATION AND FOR DISPOSITION OF EXISTING PIPES.

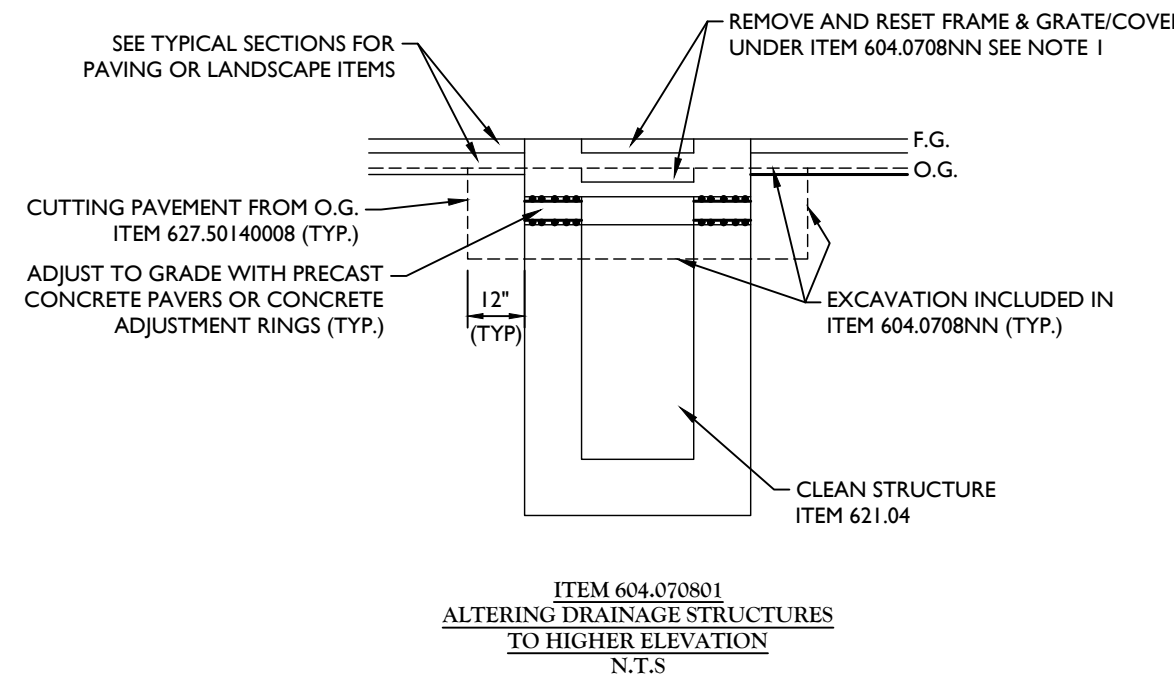
**ALTERING DRAINAGE STRUCTURES
CONVERT CATCH BASIN TO MANHOLE ITEM 604.070802**

11

NOT TO SCALE

11A

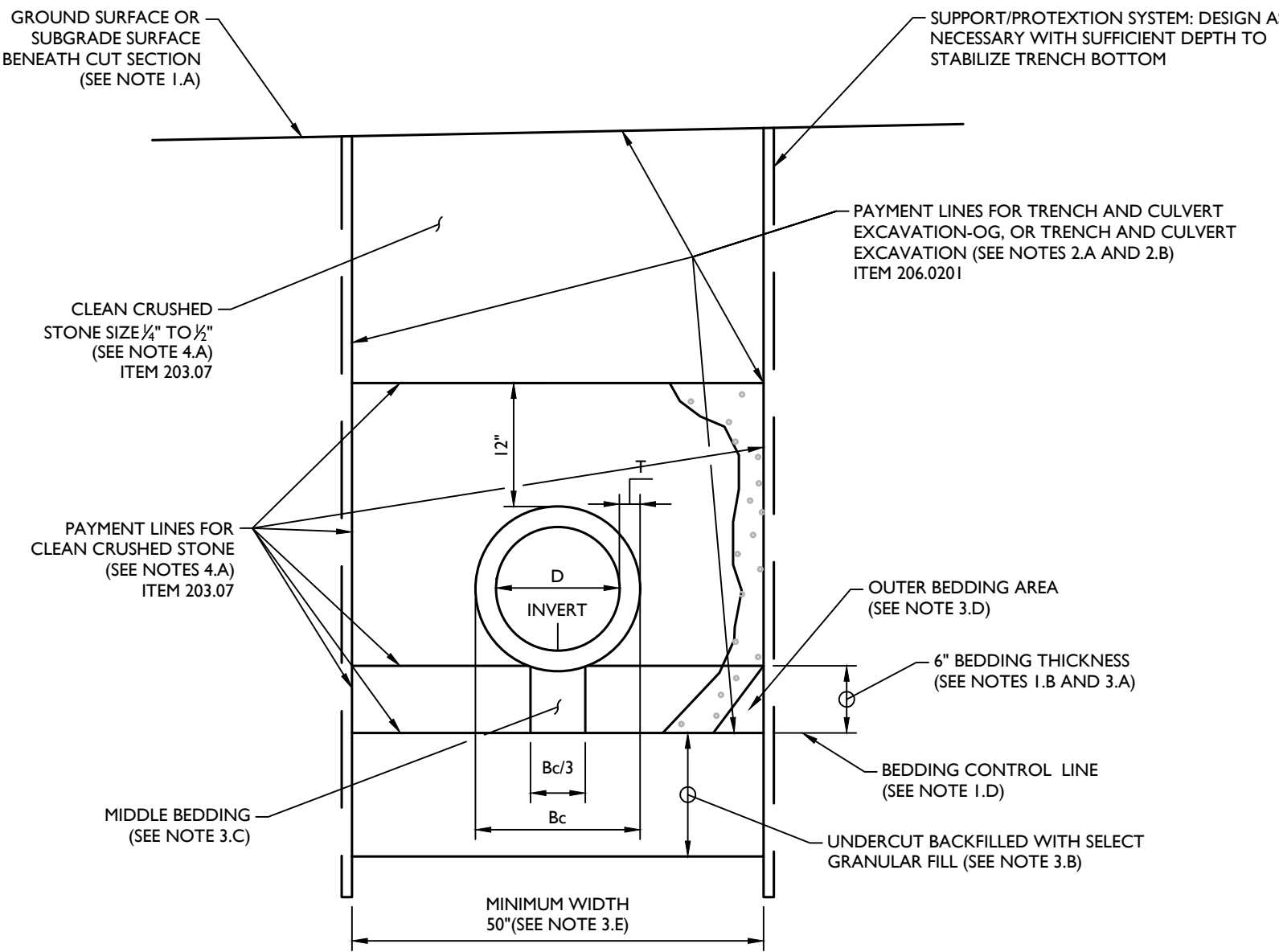
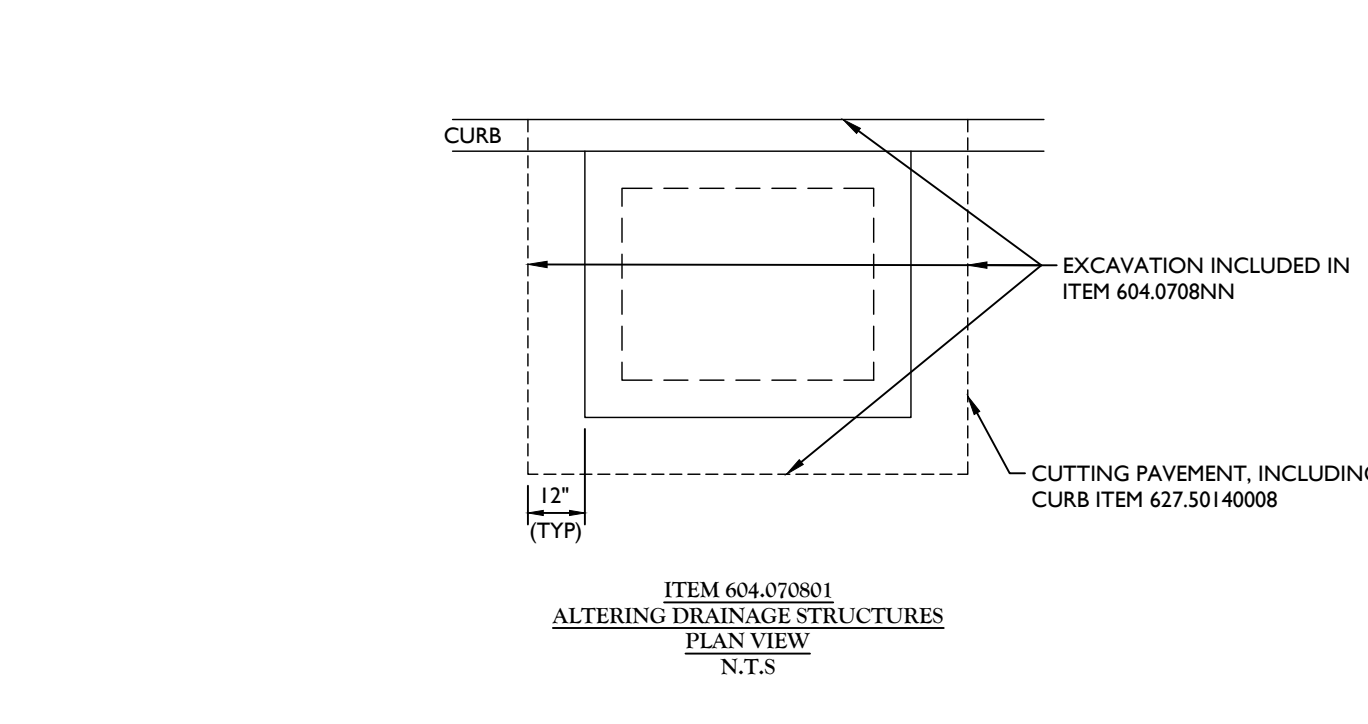
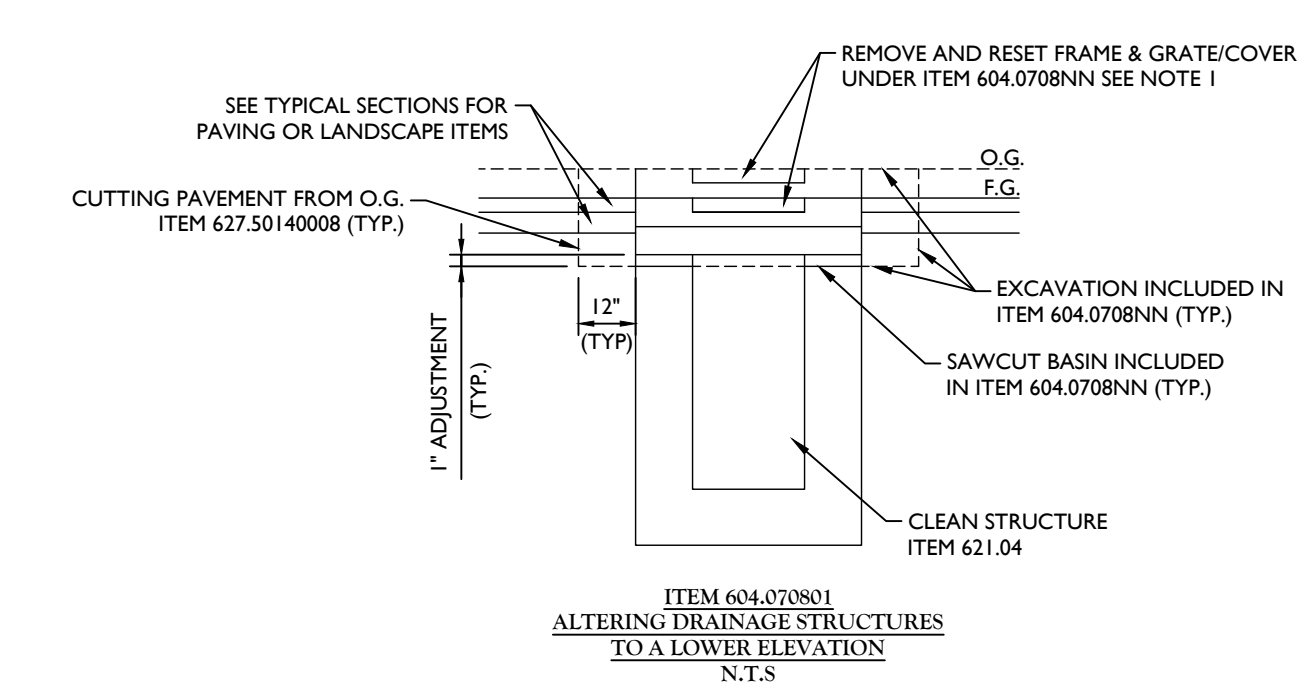
NOT TO SCALE



- NOTE:
1. THE USE OF UNDAMAGED EXISTING FRAMES & GRATES IS REQUIRED, HOWEVER IF IT IS NECESSARY TO REPLACE THE FRAME & GRATE, SUBSTITUTION SHALL BE MADE AND PAID FOR UNDER THE APPROPRIATE ITEMS FOR NEW FRAMES & GRATES.
 2. TOP SLAB AND/OR FRAME & GRATE ADJUSTMENT
A MINIMUM OF HALF INCH OF BEDDING MORTAR FOR CONCRETE SHALL BE PLACED BETWEEN RISER AND PRECAST TOP SLABS WHEN ORDERED BY THE ENGINEER. FOR ALL DRAINAGE STRUCTURES, A MAXIMUM OF 6 INCHES OF PRECAST CONCRETE PAVERS AND MORTAR FOR CONCRETE, OR A MAXIMUM OF 2 INCHES OF MORTAR FOR CONCRETE ALONE, OR RECYCLED RUBBER RINGS, APPROVED BY THE DIRECTOR MATERIALS BUREAU, INSTALLED PER MANUFACTURER INSTRUCTIONS, TO A MAXIMUM OF 2 INCHES, OR RECYCLED HDPE RINGS, APPROVED BY THE DIRECTOR MATERIALS BUREAU, INSTALLED PER MANUFACTURER INSTRUCTIONS, TO A MAXIMUM OF 3 INCHES, OR ALTERNATE GRADE ADJUSTMENT DEVICES APPROVED BY THE DIRECTOR MATERIALS BUREAU, SHALL BE USED FOR TOP SLAB AND/OR FRAME AND GRATE ADJUSTMENT. FOR ADJUSTMENTS OVER 6 INCHES AND NOT TO EXCEED 12 INCHES, CAST IN PLACE CONCRETE OR A PRECAST CONCRETE ADJUSTMENT ELEMENT SHALL BE USED. A MAXIMUM OF 2 INCHES OF MORTAR FOR CONCRETE SHALL BE ALLOWED ON BOTH THE TOP AND BOTTOM OF THE PRECAST DEVICES.
 3. FOR DRAINAGE STRUCTURE ADJUSTMENTS OVER 12 INCHES, CAST IN PLACE CONCRETE OR A PRECAST CONCRETE ADJUSTMENT ELEMENT SHALL BE USED. ALTERING METHOD SHALL BE APPROVED BY ENGINEER OR OWNER AND ALL COST SHALL BE INCLUDED UNDER THE RESPECTIVE ALTERING STRUCTURES ITEM 604.070801.
 4. A MINIMUM OF ONE AND HALF INCH OF BEDDING MORTAR FOR CONCRETE SHALL BE REQUIRED BETWEEN THE TOP OF CUT-DOWN RISER AND TOP SLAB FOR CORROSION PROTECTION. PAYMENT SHALL BE INCLUDED UNDER THE RESPECTIVE ALTERNATE STRUCTURES ITEM 604.070801.
 5. THE COST OF MINOR (LESS THAN 25% OF THE INSIDE WALL AREA) REPAIRS AND REPOINTING OF WALLS TO BE RETAINED (AS ORDERED BY THE ENGINEER) SHALL BE INCLUDED IN THE BID PRICE FOR ITEM 604.070801.

**ALTERING DRAINAGE STRUCTURES
ITEM 604.070801**

NYDT-STRM-1008



REINFORCED CONCRETE PIPE INSTALLATION NOTES:

1. GENERAL NOTES
 - 1.A. FOR ADDITIONAL INFORMATION REGARDING INSTALLATION OF REINFORCED CONCRETE PIPE SEE NYSDOT STANDARD SHEET 203-04
 - 1.B. SEE CHAP. 8, APP. A OF THE HIGHWAY DESIGN MANUAL FOR MAXIMUM ALLOWABLE HEIGHT OF COVER.
 - 1.C. THE BEDDING CONTROL LINE (BCL) IS A HORIZONTAL LINE LOCATED BELOW THE INVERT WHICH REPRESENTS THE BOTTOM ELEVATION FOR BEDDING MATERIAL PLACEMENT AND THE TOP ELEVATION OF UNDERCUT BACKFILL WHERE REQUIRED. THE BCL IS ALSO USED FOR QUANTITY PAYMENT PURPOSES FOR "TRENCH AND CULVERT EXCAVATION" ITEMS. BEDDING MATERIAL PLACEMENT, AND UNDERCUT MATERIAL PLACEMENT, THE LOCATION OF THE BCL AND THE ACTUAL BEDDING THICKNESS VARY WITH PIPE SIZE AND WALL THICKNESS. SEE BEDDING THICKNESS TABLE ON NYSDOT STANDARD SHEET 203-04.
2. EXCAVATION NOTES
 - 2.A. WHERE A GENERAL EXCAVATION OF UNSUITABLE OR UNSTABLE MATERIAL IS REQUIRED TO EXTEND BEYOND THE LATERAL AND DEPTH LIMITS INDICATED FOR METHOD A-1, THE EXCAVATION WITHIN THE LIMITS SHOWN WILL BE PAID AS "UNCLASSIFIED EXCAVATION AND DISPOSAL" AND THIS QUANTITY WILL BE DEDUCTED FROM THE RESPECTIVE CONTRACT QUANTITIES FOR "TRENCH AND CULVERT EXCAVATION-O.G." OR "TRENCH AND CULVERT EXCAVATION". INSTALL THE CULVERT IN ACCORDANCE WITH DETAILS FOR METHOD B-1 OR B-2 AS SHOWN ON NYSDOT STANDARD SHEET 203-04.
 - 2.B. FOR PIPE INSTALLED IN A ROCK TRENCH, SIDE PAYMENT LINES FOR TRENCH EXCAVATION ARE THE SAME AS SHOWN FOR INSTALLATION METHOD A-1. THE PAYMENT LINE FOR DEPTH OF EXCAVATION IS THE DEPTH NEEDED TO PLACE THE BEDDING MATERIAL AND THE UNDERCUT BACKFILL MATERIAL. SELECT GRANULAR FILL.
3. BEDDING NOTES
 - 3.A. THE LOCATION OF THE BEDDING CONTROL LINE (BCL) AND THE MINIMUM BEDDING THICKNESS FOR THE 36\"/>
4. BACKFILL NOTES
 - 4.A. COMPACT IN ACCORDANCE WITH REQUIREMENTS OF STANDARD SPECIFICATIONS §203-3.15.

PER NYSDOT STANDARD SHEET 203-04

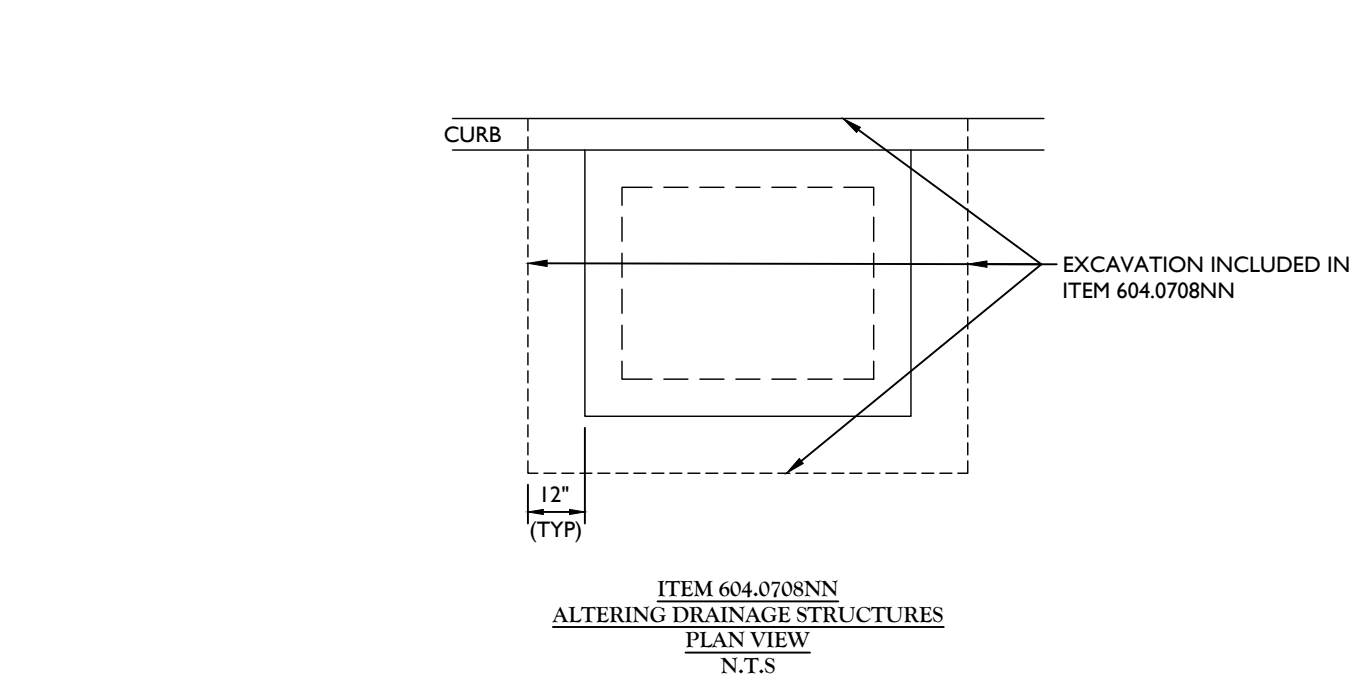
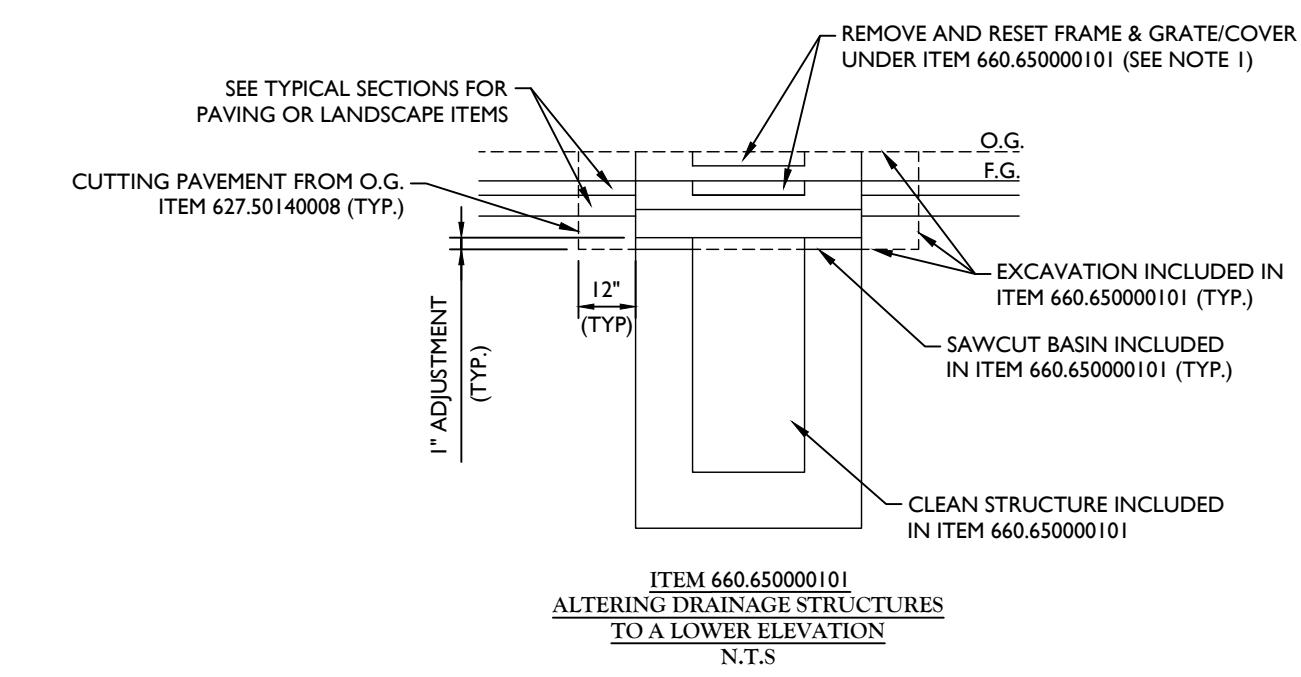
**STORM DRAINAGE PIPE INSTALLATION METHOD A-1:
TRENCH AREA BENEATH ROADWAYS, PAVEMENTS, AND SURFACE LOADS**

12

NOT TO SCALE

13

NOT TO SCALE



**ALTERING UTILITY MANHOLE
ITEM 660.650000101**

NYDT-STRM-1008

01/31/22

01/31/22



Engineering & Design

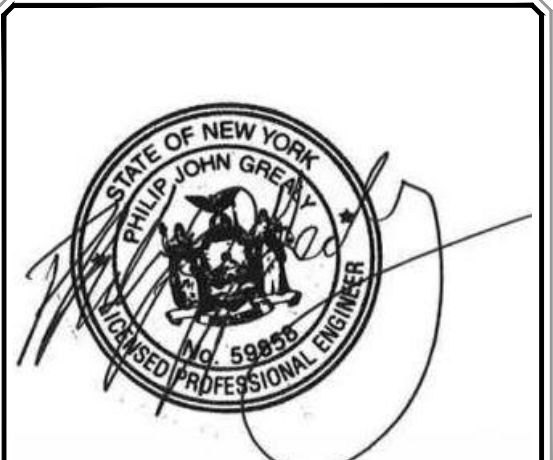
www.colliersengineering.com

Copyright © 2022, Colliers Engineering & Design All Rights Reserved. This drawing and all the information contained herein is authorized for use only by the party for whom the services were contracted or to whom it is rendered. This drawing may not be copied, revised, disclosed, distributed or relied upon for any other purpose without the express written consent of Colliers Engineering & Design.

Doing Business as **MASER**

811 PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF EXCAVATIONS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE.
Know what's below.
Call before you dig.
FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

REV.	DATE	DRAWN BY	DESCRIPTION
1	04/19/2024	RGD	REVISED PER NYSDOT COMMENTS DATED 4/22/2020
2	09/24/21	RGD	REVISED PER NYSDOT SIGNAL COMMENTS RECEIVED 3/23/21 ADDED: DRAINAGE MAINTENANCE NOTE
3	04/22	M.J.A.	SEPARATED TOWN WORKS & DOT WORK
4	12/22/22	M.J.A.	MODIFIED OLD CROMPOUND ROAD GRADING
5	01/23	P.T.V.	REVISED PER TOWN COMMENTS
6	02/23	RGD	REVISED PER TOWN MEETING COMMENTS



Philip John Grealy
NEW YORK LICENSED PROFESSIONAL ENGINEER
LICENSE NUMBER: 059858-1
COLLIERS ENGINEERING & DESIGN CT, P.C.
N.Y. C.O.A.#: 0017609

**TOWN OF YORKTOWN
ROADWAY IMPROVEMENT
PLANS
FOR
STONY STREET AT
OLD CROMPOUND
ROAD**

**TOWN OF YORKTOWN
WESTCHESTER COUNTY
NEW YORK**

Colliers
Engineering & Design
400 Columbus Avenue, Suite 1806
Valhalla, NY 10595
Phone: 914.347.7500
COLLIERS ENGINEERING & DESIGN CT, P.C.
DOING BUSINESS AS MASER CONSULTING ENGINEERING & LAND SURVEYING

SCALE: AS SHOWN	DATE: 12/24/19	DRAWN BY: J.F.M.	CHECKED BY: R.G.D.
PROJECT NUMBER: 18009103A	DRAWING NAME: R-PL03-DTLS		

SHEET TITLE:
CONSTRUCTION DETAILS

SHEET NUMBER:
4 of 10

20181000110A01TranspositionTown PlansR-PL03-DTLS.dwg R:PL03-DTLS

UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY OR ENGINEERING MAP BEARING A LICENSED LAND SURVEYOR OR PROFESSIONAL ENGINEER IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2, OF THE NEW YORK STATE EDUCATION LAW. ONLY MAPS WITH THE LAND SURVEYOR OR PROFESSIONAL ENGINEER'S SEAL ARE GENUINE TRUE AND CORRECT COPIES OF THE LAND SURVEYOR OR PROFESSIONAL ENGINEER'S ORIGINAL WORK AND OPINION.

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

SIDEWALK CURB RAMP NOTES

GNRL-NOTE-STND-GRID 02/05/20

GENERAL NOTES:

- THESE SHEETS ARE IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA), AND THE REQUIREMENTS OF THE 2011 PROPOSED ACCESSIBILITY GUIDELINES FOR PEDESTRIAN FACILITIES IN THE PUBLIC RIGHT-OF-WAY (PROWAG).
- THE DIMENSIONS SHOWN IN THE DETAILS AS MINIMUMS AND MAXIMUMS ARE THE LIMITS FOR DESIGN AND FIELD LAYOUT. FOR WORK ACCEPTANCE VALUES SEE "CRITICAL ELEMENTS FOR THE DESIGN, LAYOUT, AND ACCEPTANCE OF PEDESTRIAN FACILITIES" ON SHEET 11 OF 12 AND SHEET 12 OF 12.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL ELEVATIONS AND DIMENSIONS TO ENSURE THAT THE FINAL LAYOUT OF PEDESTRIAN FACILITIES MEETS ADA REQUIREMENTS. ANY SURVEY WORK NECESSARY TO MEET THESE REQUIREMENTS SHALL BE PAID FOR UNDER ITEM 625.01 - SURVEY OPERATIONS.
- FACILITIES THAT CANNOT BE CONSTRUCTED TO MEET THE DESIGN STANDARDS, DUE TO DESIGN CONSTRAINTS, SHALL BE CONSTRUCTED TO MEET THE STANDARDS TO THE GREATEST EXTENT PRACTICABLE. FEATURES THAT CANNOT MEET THE VALUES FOR WORK ACCEPTANCE SHALL BE JUSTIFIED AS NONSTANDARD PER HIGHWAY DESIGN MANUAL CHAPTER 2.
- TO CHECK FIELD LAYOUT AND TO VERIFY WORK ACCEPTANCE, ALL MEASUREMENTS SHALL BE MADE IN ACCORDANCE WITH THE "NOTES ON INSPECTION METHODS (MEASUREMENT)" ON SHEET 11 OF 12.
- JOINTS BETWEEN SIDEWALKS, CURB RAMP, TURNING SPACES AND ROADWAYS SHALL BE FLUSH AND FREE FROM ABRUPT VERTICAL CHANGES GREATER THAN 1/8". VERTICAL SURFACE DISCONTINUITIES BETWEEN "X" AND "Y" SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:2. THE BEVEL SHALL BE APPLIED ACROSS THE ENTIRE JOINT. SEE "VERTICAL SURFACE DISCONTINUITIES" DETAIL ON SHEET 2 OF 12.
- SIDEWALKS ARE CONNECTED TO ROADWAYS BY BLENDED TRANSITIONS OR CURB RAMP. BLENDED TRANSITIONS ARE CONNECTIONS BETWEEN THE SIDEWALK LEVEL AND THE ROADWAY LEVEL THAT HAVE A MAXIMUM GRADE (RUNNING SLOPE) OF 5%. CONNECTIONS WITH A MAXIMUM GRADE (RUNNING SLOPE) GREATER THAN 5% ARE CONSIDERED CURB RAMP.
- CURB RAMP AND BLENDED TRANSITIONS MAY REQUIRE THE INSTALLATION OF DETECTABLE WARNINGS. SEE ADDITIONAL "DETECTABLE WARNING NOTES" ON THIS SHEET, AND THE DETAILS ON SHEET 2 OF 12 FOR DIMENSIONS AND ORIENTATION.
- GRADE BREAKS WITHIN THE PEDESTRIAN ACCESS ROUTE SHOULD BE PERPENDICULAR TO THE DIRECTION OF TRAVEL AND SHALL NOT BE ROUNDED. VERTICAL ALIGNMENT SHALL BE GENERALLY PLANAR.
- MATERIAL DEPTHS SHOWN ON THESE SHEETS ARE TYPICAL MINIMUM VALUES AND MAY BE DIFFERENT IN THE CONTRACT DOCUMENTS.
- SIDEWALK GRADE (RUNNING SLOPE) SHALL NOT EXCEED 4.5% FOR DESIGN AND LAYOUT OR 5% FOR WORK ACCEPTANCE, EXCEPT WHEN MATCHING INTO EXISTING SIDEWALK OR WHEN THE ADJACENT HIGHWAY GRADE IS STEEPER THAN 5%. WHEN THE ADJACENT HIGHWAY GRADE IS GREATER THAN 5%, THE SIDEWALK GRADE SHALL NOT EXCEED THE HIGHWAY GRADE.
- THE CROSS SLOPE OF PEDESTRIAN ACCESS ROUTES SHALL BE 1.5% MAXIMUM FOR DESIGN AND LAYOUT, AND 2% MAXIMUM FOR WORK ACCEPTANCE. THE FOLLOWING EXCEPTIONS ARE ALLOWED:
 - WHERE PEDESTRIAN STREET CROSSINGS ARE PROVIDED AT INTERSECTIONS WITHOUT YIELD OR STOP CONTROL, OR WHERE THERE IS ANY TRAFFIC SIGNAL WITHOUT A FLASHING RED, THE CROSS SLOPE OF A PEDESTRIAN ACCESS ROUTE CONTAINED WITHIN A STREET CROSSING SHALL BE 4.5% MAXIMUM FOR DESIGN AND LAYOUT, AND 5% MAXIMUM FOR WORK ACCEPTANCE.
 - WHERE MIDBLOCK PEDESTRIAN STREET CROSSINGS ARE PROVIDED, THE CROSS SLOPE OF A PEDESTRIAN ACCESS ROUTE CONTAINED WITHIN A MIDBLOCK STREET CROSSING SHALL BE PERMITTED TO EQUAL THE STREET OR HIGHWAY GRADE.
- THE MINIMUM CLEAR WIDTH FOR PEDESTRIAN ACCESS ROUTES IS 4'-0", EXCLUSIVE OF THE CURB. THE DEPARTMENT'S PREFERRED CLEAR WIDTH IS 5'-0". WHEN WALKWAY WIDTHS ARE LESS THAN 5'-0", 5'-0" x 5'-0" PASSING SPACES (SHOWN IN DETAIL A OR B ON THIS SHEET), OR A FEATURE OF EQUAL OR GREATER DIMENSIONS THAT MEETS THE SLOPE AND SURFACE CRITERIA, SHALL BE PROVIDED AT A MAXIMUM INTERVAL OF 200'. EXISTING DRIVEWAYS AND STREET CROSSINGS MAY SERVE AS PASSING SPACES, PROVIDED THEY MEET SLOPE AND SURFACE REQUIREMENTS FOR A PEDESTRIAN ACCESS ROUTE.
- THE BUFFER ZONE IS A PHYSICAL DISTANCE SEPARATING THE PEDESTRIAN ACCESS ROUTE FROM THE VEHICLE TRAVELED WAY. THE BUFFER ZONE MAY BE PLANTED OR PAVED. WHERE THE BUFFER ZONE WIDTH EXCLUDES OF CURB, IS LESS THAN 3'-0", THE SURFACE SHOULD BE PAVED OR CONSTRUCTED WITH HARDCAPE MATERIALS.
- THE MAXIMUM RECOMMENDED CROSS SLOPE OF A TURN BUFFER ZONE OR SLOPE TRANSITION BEHIND SIDEWALK IS 25% BUFFER ZONES WITH A CROSS SLOPE GREATER THAN 25% SHOULD BE PAVED, PLANTED OR CONSTRUCTED WITH HARDCAPE MATERIALS.
- WHEN CROSSING DRIVEWAYS, THE WORK SHALL BE IN CONFORMANCE WITH STANDARD SHEET 608-03.
- FOR PEDESTRIAN SIGNALS AND PEDESTRIAN PUSH BUTTONS, REFER TO SHEET 12 OF 12 AND STANDARD SHEET 680-10 FOR DETAILS.
- WHERE EXISTING ROADWAYS ARE SAWCUT TO INSTALL CURBING AND/OR SIDEWALK, THE ROADWAY SHOULD BE SAWCUT AT LEAST 2'-0" FROM THE PROPOSED CURB LINE TO ALLOW FOR ADEQUATE COMPACTION OF ASPHALT. IF THE SAWCUT IS LESS THAN 2'-0" FROM THE PROPOSED CURB LINE, THE ROADWAY SHALL BE REBUILT USING CLASS A, C, OR D CONCRETE. SEE DETAILS ON SHEET 9 OF 12.

CURB RAMP NOTES:

- THE MINIMUM CLEAR WIDTH OF A CURB RAMP SHALL BE 4'-0". THE DEPARTMENT'S PREFERRED CLEAR WIDTH IS 5'-0".
- THE MAXIMUM GRADE (RUNNING SLOPE) FOR DESIGN AND LAYOUT OF A CURB RAMP SHALL BE 7.5%. THE GRADE FOR WORK ACCEPTANCE SHALL BE A MAXIMUM OF 8.3%.
- WHERE THE TERRAIN DOES NOT ALLOW CONSTRUCTION OF A CURB RAMP WITH A GRADE (RUNNING SLOPE) OF 8.3%, OR LESS WITHIN 15'-0", THE RAMP LENGTH SHALL NOT BE REQUIRED TO EXCEED 15'-1" FOR DESIGN AND LAYOUT OR 15'-0" FOR WORK ACCEPTANCE.
- THE CROSS SLOPE OF THE CURB RAMP SHALL BE AS FLAT AS POSSIBLE AND STILL PROVIDE POSITIVE DRAINAGE. THE CROSS SLOPE OF A CURB RAMP SHALL BE 1.5% MAXIMUM FOR DESIGN AND LAYOUT, AND 2% MAXIMUM FOR WORK ACCEPTANCE. THE FOLLOWING EXCEPTIONS ARE ALLOWED:
 - WHERE PEDESTRIAN STREET CROSSINGS ARE PROVIDED AT INTERSECTIONS WITHOUT YIELD OR STOP CONTROL, WHERE THERE IS ANY TRAFFIC SIGNAL WITHOUT A FLASHING RED, OR AT MIDBLOCK CROSSINGS, THE CROSS SLOPE OF THE CURB RAMP SHALL BE PERMITTED TO EQUAL THE STREET OR HIGHWAY GRADE.
- WHERE THE EXISTING ROADWAY GRADE EXCEEDS THE MAXIMUM ALLOWABLE CROSS SLOPE FOR A CURB RAMP, AND CANNOT BE CORRECTED WITHIN THE SCOPE OF THE PROJECT, THE RAMP SHOULD BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE "CURB RAMP CROSS SLOPE TRANSITION" DETAIL ON SHEET 8 OF 12. THE RAMP MAY NEED TO BE JUSTIFIED AS A NONSTANDARD FEATURE. SEE NOTE 3 ON THIS SHEET.

- RAMP SIDE OPTIONS ARE DETAILED ON SHEET 3 OF 12. WHERE A PEDESTRIAN CIRCULATION PATH CROSSES THE CURB RAMP, FLARED SIDES SHALL BE INSTALLED WITH A MAXIMUM SLOPE OF 9.5% FOR DESIGN AND LAYOUT, AND 10% MAXIMUM FOR WORK ACCEPTANCE. A PEDESTRIAN CIRCULATION PATH IS ASSUMED TO CROSS THE CURB RAMP WHEN AREA ADJACENT TO THE RAMP IS PAVED AND FREE OF VERTICAL OBSTRUCTIONS THAT WOULD PREVENT PEDESTRIAN PASSAGE. THERE IS NO MAXIMUM FLARE SLOPE FOR A RAMP THAT IS NOT CROSSED BY A PEDESTRIAN CIRCULATION PATH.
- THE BACK SIDE OF A PARALLEL RAMP SHOULD BE GRADED TO A MAXIMUM SLOPE OF 25% TO MATCH EXISTING TERRAIN, UNLESS OTHERWISE SHOWN IN THE CONTRACT DOCUMENTS. WHERE GRADING IS NOT FEASIBLE DUE TO LIMITED ROW OR PHYSICAL CONSTRAINTS, A BACK CURB MAY BE INSTALLED. SEE DETAILS ON SHEET 3 OF 12 AND SHEET 9 OF 12.
- THE DEPARTMENT'S PREFERENCE IS TO INSTALL TWO SEPARATE CURB RAMP AT A STREET CORNER THAT SERVES TWO SEPARATE PEDESTRIAN CROSSINGS, WITH EACH RAMP ALIGNED TO THE CROSSING THAT IT SERVES. WHERE EXISTING PHYSICAL CONSTRAINTS PREVENT SEPARATE RAMP, A SINGLE CURB RAMP (I.E., A DIAGONAL CURB RAMP) IS PERMITTED TO SERVE BOTH PEDESTRIAN CROSSINGS.
- WHERE A CHANGE IN DIRECTION IS REQUIRED TO UTILIZE A CURB RAMP, A TURNING SPACE SHALL BE PROVIDED AT THE BASE OR THE TOP OF CURB RAMP, AS APPLICABLE. TURNING SPACES SHALL BE PERMITTED TO OVERLAP CLEAR SPACES.
- WHERE THERE ARE NO VERTICAL CONSTRAINTS AT THE BACK OF SIDEWALK, (E.G., VERTICAL CURBS, BUILDINGS, FENCES) THE TURNING SPACE DIMENSIONS SHALL BE 4'-0" x 4'-0" MINIMUM. WHERE THE TURNING SPACE IS CONSTRAINED AT THE BACK OF SIDEWALK, THE TURNING SPACE SHALL BE 4'-0" x 5'-0" MINIMUM. THE 5'-0" DIMENSION SHALL BE IN THE DIRECTION OF THE RAMP RUN.
- TURNING SPACES SHALL NOT BE DESIGNED WITH A SLOPE GREATER THAN 1.5% IN ANY DIRECTION, WHILE PROVIDING POSITIVE DRAINAGE. THE MAXIMUM SLOPE FOR WORK ACCEPTANCE IS 2.0%.
- BELOW THE BOTTOM GRADE BREAK OF A CURB RAMP, A CLEAR SPACE OF 4'-0" x 4'-0" MINIMUM SHALL BE PROVIDED WITHIN THE WIDTH OF THE PEDESTRIAN CROSSWALK, AND OUTSIDE THE PARALLEL VEHICLE TRAVEL LANE. THE CLEAR SPACE MAY OVERLAP TURNING SPACES, DETECTABLE WARNING SURFACES, AND DROP CURBS.

DETECTABLE WARNING NOTES:

- DETECTABLE WARNING SURFACES (DWS) SHALL BE PROVIDED AT THE FOLLOWING LOCATIONS ON PEDESTRIAN ACCESS ROUTES:
 - CURB RAMP AND BLENDED TRANSITIONS AT PEDESTRIAN STREET CROSSINGS.
 - PEDESTRIAN REFUGE ISLANDS (WHERE THE LENGTH OF THE PEDESTRIAN ACCESS ROUTE ACROSS THE REFUGE ISLAND IS GREATER THAN OR EQUAL TO 6').
 - PEDESTRIAN AT-GRADE RAIL CROSSINGS NOT LOCATED WITHIN A STREET OR HIGHWAY.
- DETECTABLE WARNING SURFACES SHALL BE PROVIDED WHERE THE PEDESTRIAN ACCESS ROUTE CROSSES DRIVEWAYS WITH SIGNAL, YIELD OR STOP CONTROL. DETECTABLE WARNING SURFACES SHALL NOT BE PROVIDED AT CROSSINGS OF UNCONTROLLED DRIVEWAYS.
- WITH THE EXCEPTION OF THE DETECTABLE WARNING SURFACE TRUNCATED DOME DETAILS ON SHEET 2 OF 12, DETECTABLE WARNING DOMES ARE NOT DEPICTED TO SCALE ON THESE SHEETS.
- DETECTABLE WARNING FIELDS SHALL EXTEND 24" MINIMUM IN THE DIRECTION OF PEDESTRIAN TRAVEL ACROSS THE FULL WIDTH OF THE CURB RAMP OR FLUSH SURFACE, EXCLUDING ANY FLARED SIDES.
- SOME DETECTABLE WARNING PRODUCTS REQUIRE A CONCRETE BORDER FOR PROPER INSTALLATION. IF REQUIRED, THE BORDER SHALL NOT EXCEED 2". WHERE THE BACK OF THE CURB EDGE IS TOOLED TO PROVIDE RADIUS, THE BORDER SHALL NOT EXCEED 2". WHERE THE BACK OF THE CURB EDGE IS TOOLED TO PROVIDE A RADIUS, THE BORDER DIMENSION SHALL BE MEASURED FROM THE INSIDE EDGE OF THE CURB RADIUS. BORDERS CANNOT BE INCLUDED AS PART OF THE 24" MINIMUM DIMENSION DESCRIBED IN NOTE 33.
- WHERE CURB IS NOT USED, THE EDGE OF PAVEMENT SHALL BE SUBSTITUTED FOR THE BACK OF CURB FOR PLACEMENT OF DETECTABLE WARNINGS.
- ON SLOPES OF 5% OR GREATER, THE ROWS OF DOMES SHALL BE ALIGNED TO BE PERPENDICULAR OR RADIAL TO THE LOWER GRADE BREAK ON THE RAMP RUN. WHERE DOMES ARE ARRANGED RADIALLY, THEY MAY DIFFER IN DIAMETER AND CENTER-TO-CENTER SPACING WITHIN THE RANGES SPECIFIED ON SHEET 2 OF 12. DOME ALIGNMENT THAT IS PERPENDICULAR OR RADIAL TO THE LOWER GRADE BREAK IS NOT REQUIRED ON SLOPES OF LESS THAN 5%.
- THE DETECTABLE WARNING FIELD SHALL BE THE COLOR SPECIFIED IN THE CONTRACT DOCUMENTS OR MEET THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS. DETECTABLE WARNING SURFACES SHALL CONTRAST VISUALLY WITH ADJACENT GUTTER, STREET OR HIGHWAY, OR PEDESTRIAN ACCESS ROUTE SURFACE, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT.

DEFINITION OF TERMS:

ACCESSIBLE ROUTE: SEE "PEDESTRIAN ACCESS ROUTE", BELOW.

CLEAR SPACE: AN UNOBSTRUCTED FLOOR OR GROUND SPACE THAT WILL ACCOMMODATE A SINGLE, STATIONARY WHEELCHAIR AND OCCUPANT.

CROSS SLOPE: THE GRADE THAT IS PERPENDICULAR TO THE DIRECTION OF PEDESTRIAN TRAVEL.

PARALLEL CURB RAMP: A CURB RAMP WITH THE RAMP SLOPE ORIENTED PARALLEL TO THE CURB OR EDGE OF PAVEMENT.

PEDESTRIAN ACCESS ROUTE (PAR): A CONTINUOUS AND UNOBSTRUCTED PATH OF TRAVEL PROVIDED FOR PEDESTRIANS WITH DISABILITIES WITHIN OR COINCIDING WITH A PEDESTRIAN CIRCULATION PATH.

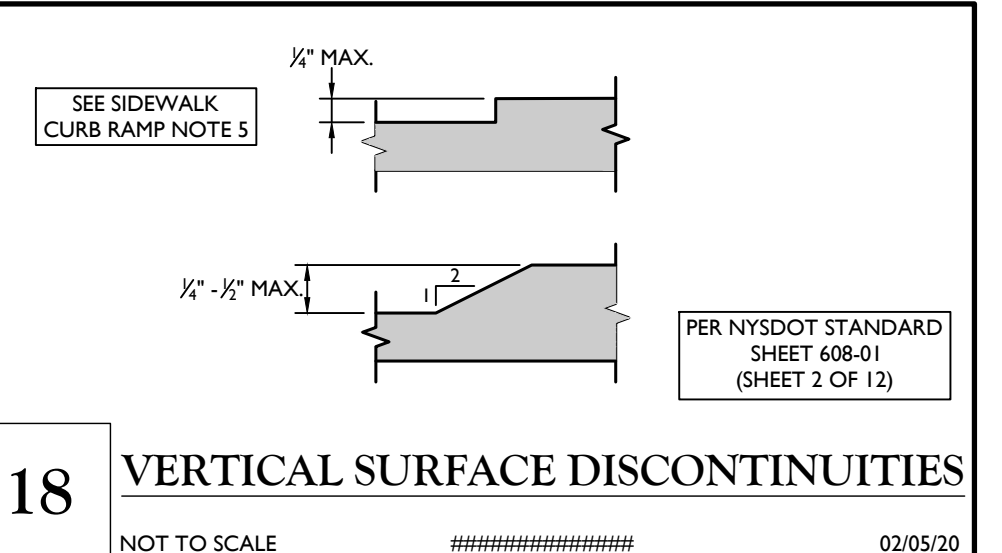
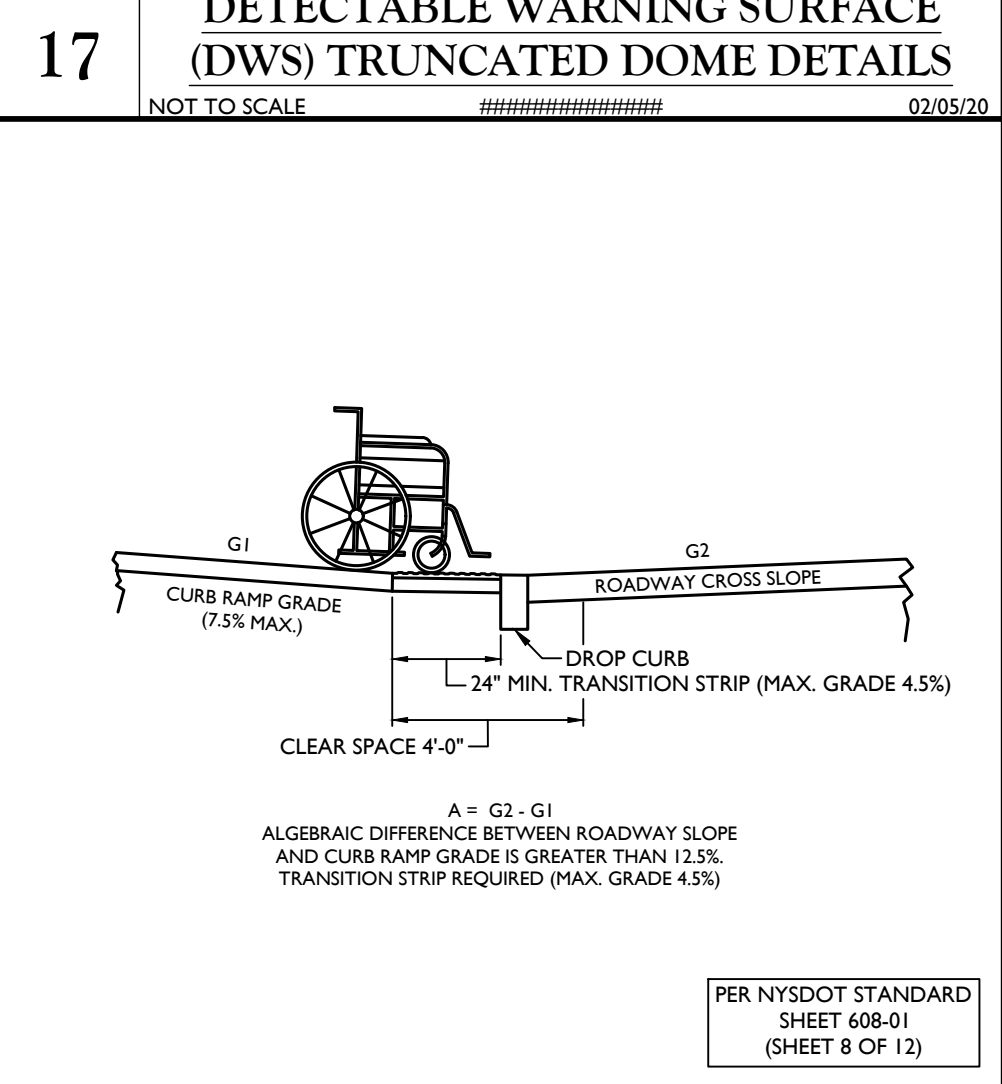
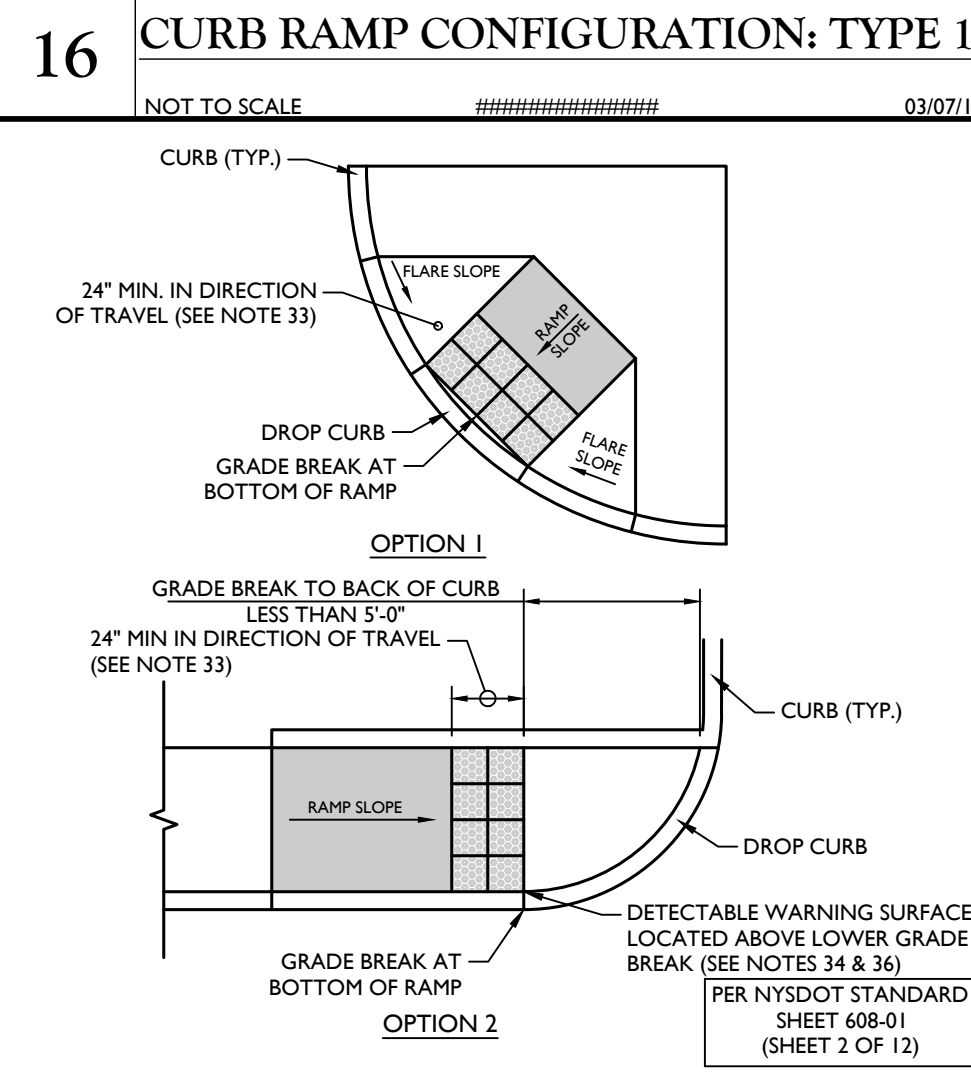
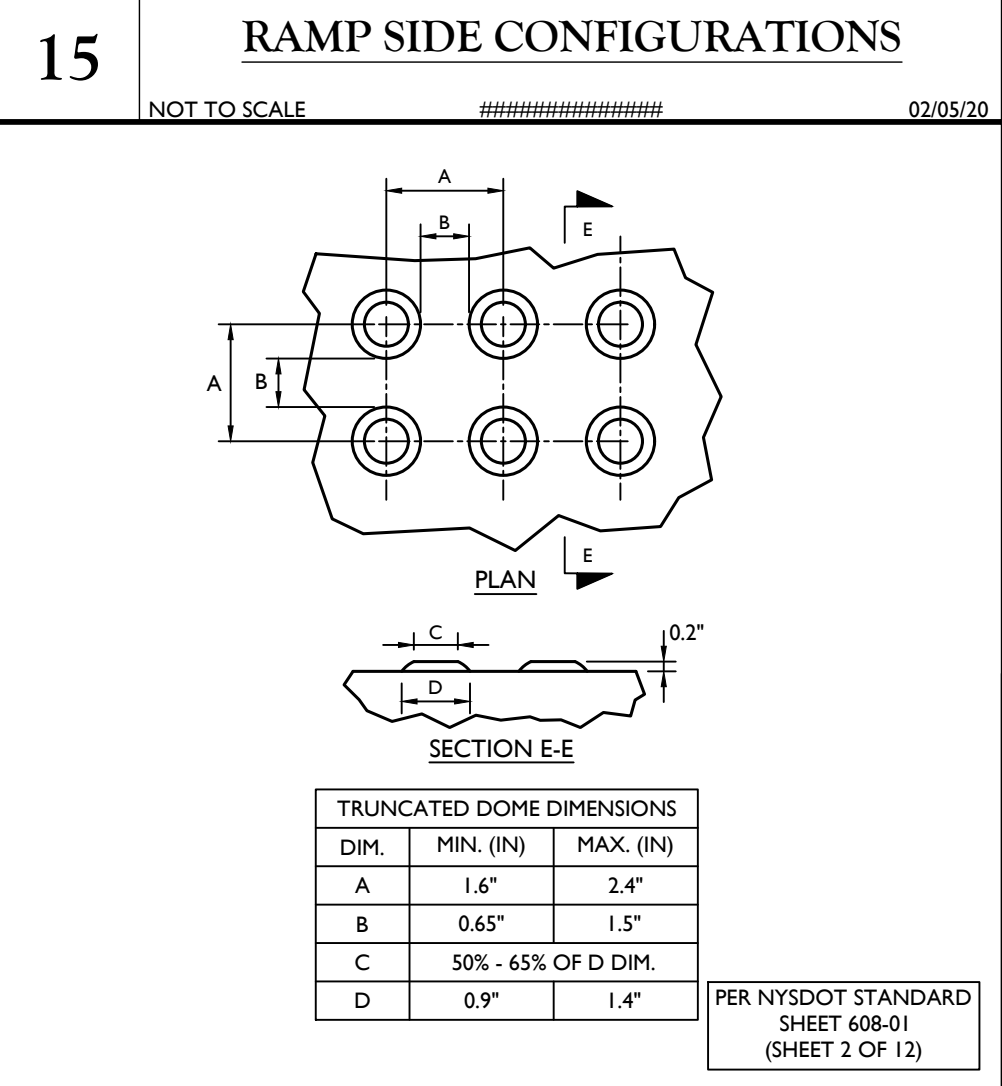
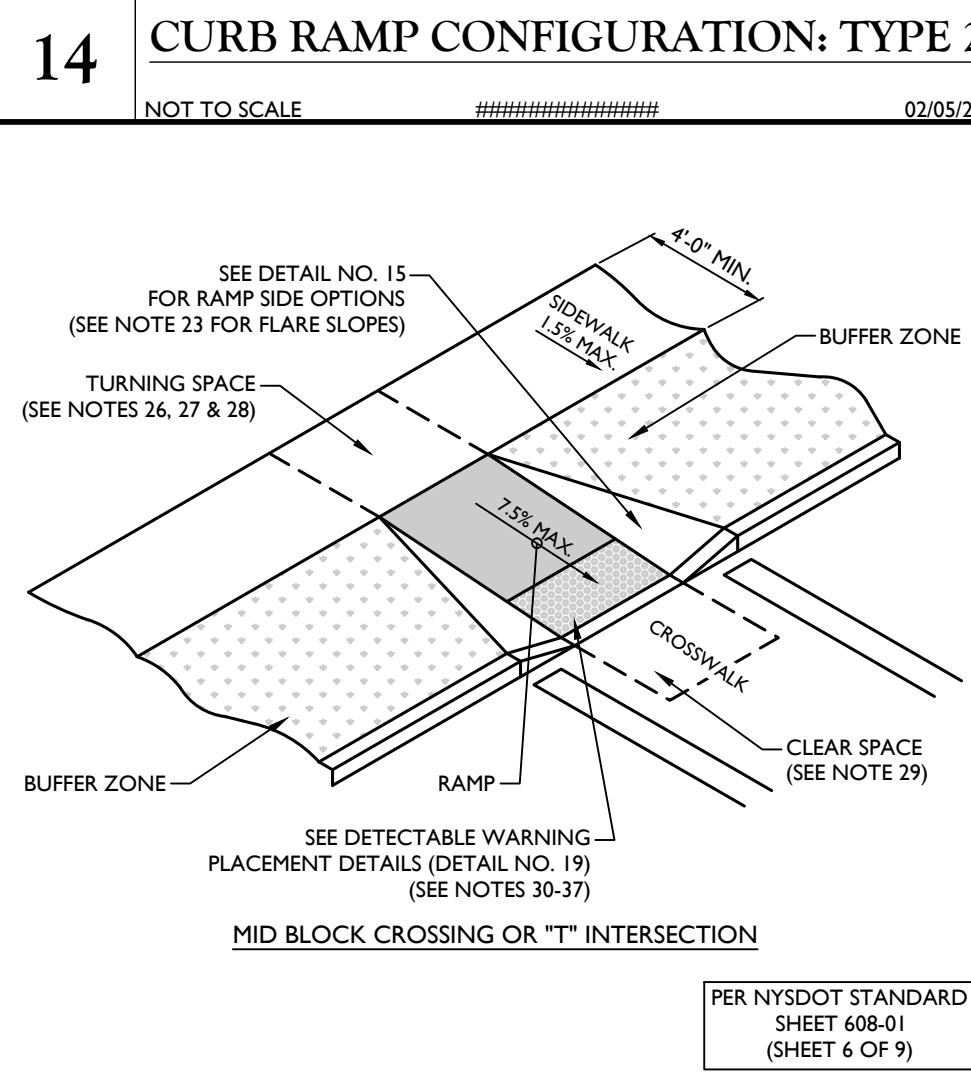
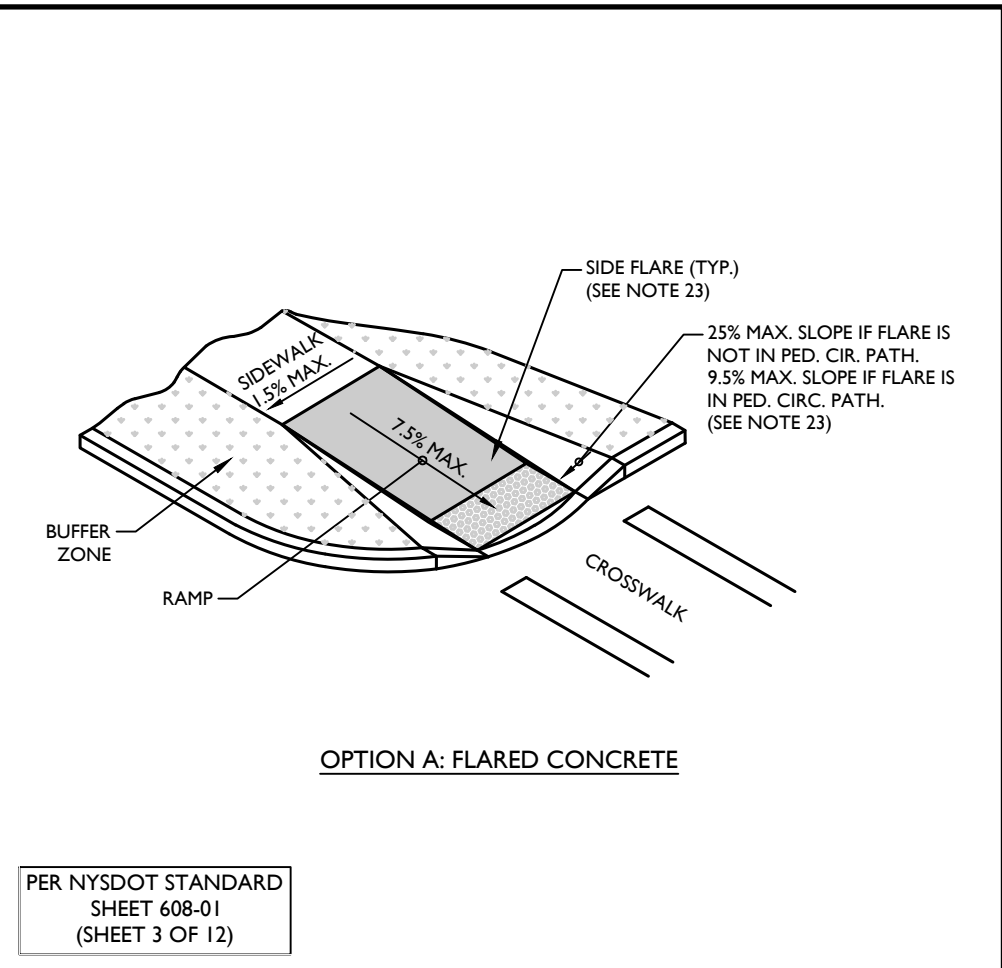
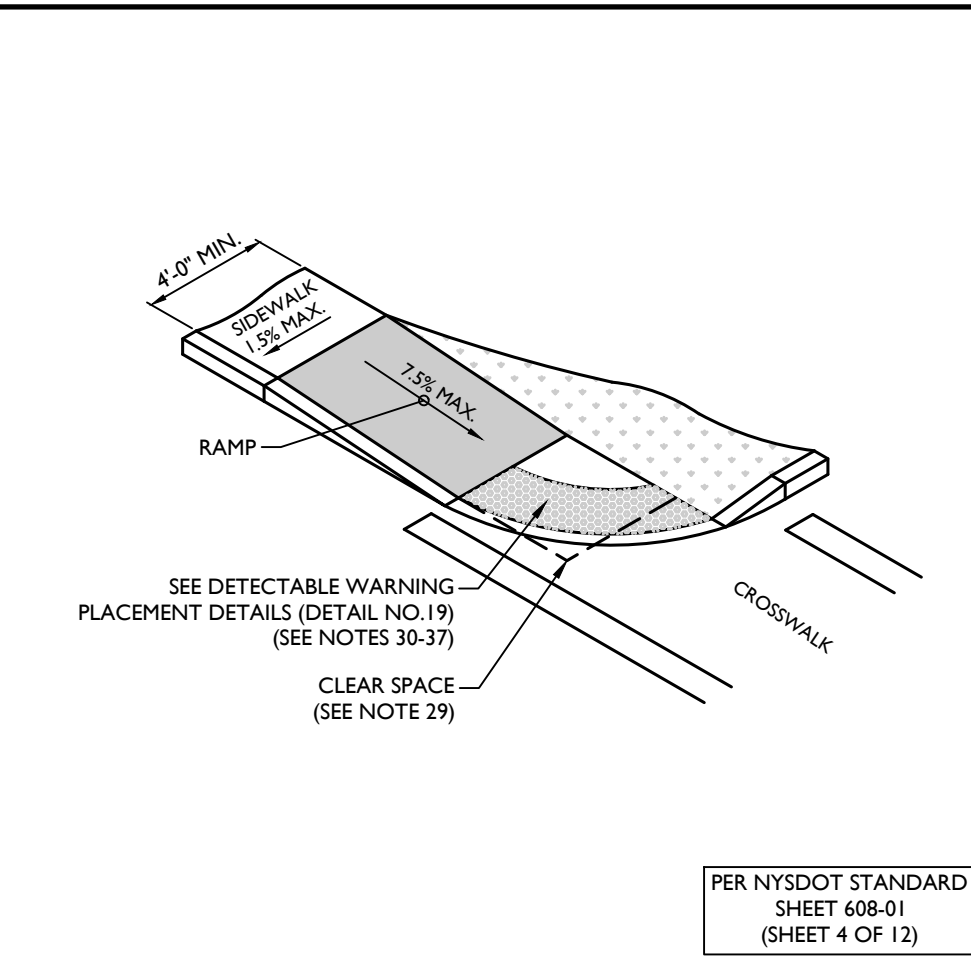
PEDESTRIAN CIRCULATION PATH: A PREPARED EXTERIOR OR INTERIOR SURFACE PROVIDED FOR PEDESTRIAN TRAVEL IN THE PUBLIC RIGHT-OF-WAY.

PERPENDICULAR CURB RAMP: A CURB RAMP WITH THE RAMP SLOPE ORIENTED PERPENDICULAR TO THE CURB OR EDGE OF PAVEMENT.

RUNNING SLOPE: THE GRADE THAT IS PARALLEL TO THE DIRECTION OF TRAVEL.

STOP, OR YIELD-CONTROLLED LOCATION, AN INTERSECTION, DRIVEWAY OR PEDESTRIAN CROSSING WHERE VEHICULAR TRAFFIC IS CONTROLLED BY A YIELD SIGN, A STOP SIGN, OR A TRAFFIC SIGNAL THAT FLASHES RED. VEHICULAR TRAFFIC DOES NOT PASS THROUGH A STOP, OR YIELD-CONTROLLED LOCATION WITHOUT STOPPING OR SLOWING.

TURNING SPACE: A RELATIVELY LEVEL SPACE PROVIDED WHERE A TURNING MANUEVER IS REQUIRED FOR A PEDESTRIAN TO ORIENT TO A CURB RAMP OR STREET CROSSING.



NOTES:

- REFER TO NYSDOT STANDARD SHEET 608-01 SHEETS 1 THROUGH 12 FOR ADDITIONAL SIDEWALK DETAILS AND NOTES.

REV.	DATE	DESCRIPTION	DRAWN BY	DATE	DESCRIPTION
1	04/19/2024	REVISED PER NYSDOT COMMENTS DATED 4/27/2020	RGD		
2	03/24/21	REVISED PER NYSDOT SIGNAL COMMENTS RECEIVED 3/23/21 ADDED: DRAINAGE MAINTENANCE NOTE	RGD		
3	04/22	SEPARATED TOWN WORK & DOT WORK	MJA		
4	12/22/22	MODIFIED OLD CROMPOUND ROAD GRADING	MJA		
5	01/23	REVISED PER TOWN COMMENTS	PTV		
6	02/23	REVISED PER TOWN MEETING COMMENTS	RGD		



Philip John Grealy
NEW YORK LICENSED PROFESSIONAL ENGINEER
LICENSE NUMBER: 059858-1
COLLIERS ENGINEERING & DESIGN CT, P.C.
N.Y. C.O.A.#: 0017609

**TOWN OF YORKTOWN
ROADWAY IMPROVEMENT
PLANS
FOR
STONY STREET AT
OLD CROMPOUND
ROAD**

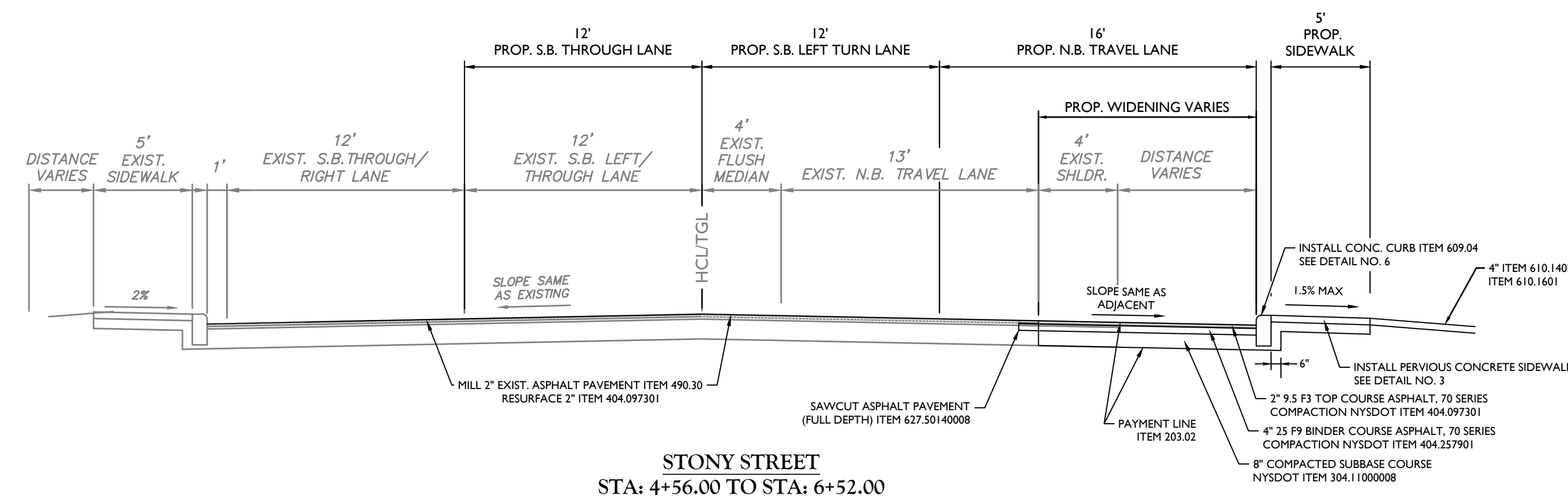
**TOWN OF YORKTOWN
WESTCHESTER COUNTY
NEW YORK**

Colliers
Engineering & Design
400 Columbus Avenue,
Suite 180E
Valhalla, NY 10595
Phone: 914.347.7500
COLLIERS ENGINEERING & DESIGN CT, P.C.
DOING BUSINESS AS MASER CONSULTING
ENGINEERING & LAND SURVEYING

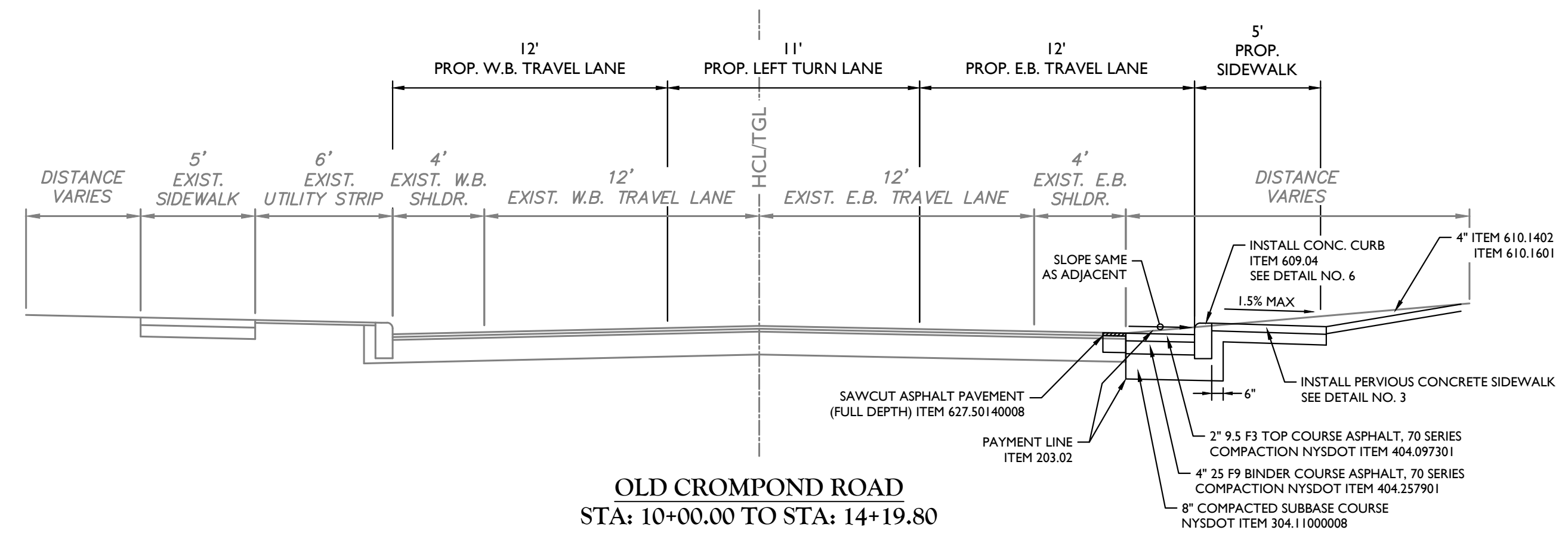
SCALE:	DATE:	DRAWN BY:	CHECKED BY:
AS SHOWN	12/24/19	J.F.M.	R.G.D.

SIDEWALK DETAILS

SHEET NUMBER:
5 of 10



STONY STREET
STA: 4+56.00 TO STA: 6+52.00



OLD CROMPOND ROAD
STA: 10+00.00 TO STA: 14+19.80

TYPICAL SECTION NOTES:

1. STRAIGHT TACK COAT ITEM 407.0103 SHALL BE APPLIED BETWEEN EACH ASPHALT COURSE/LIFT.
2. WHERE CONCRETE PAVEMENT IS LOCATED UNDER ASPHALT OVERLAY AND IS LOCATED WITHIN 3 FT. OF THE PROPOSED WIDENING SECTION, THE WIDENING SHALL EXTEND TO LIMIT OF CONCRETE PAVEMENT.
3. ROLL OVER BETWEEN SHOULDER AND TRAVEL LANE SHALL NOT EXCEED 8%.
4. TRUING AND LEVELING COURSE, ITEM 402.018904 MAY BE REQUIRED TO ACHIEVE UNIFORM CROSS SLOPE. CONTRACTOR SHALL VERIFY IF SUCH NEED IS REQUIRED AND CONFER WITH E.I.C. PRIOR TO COMMENCEMENT OF PAVING OPERATIONS.
5. IF EXISTING BOTTOM OF SUBBASE IS FOUND TO BE BELOW PROPOSED BOTTOM OF SUBBASE DEPTH OF SUBBASE MATERIAL SHALL BE INCREASED TO MATCH EXISTING ADJACENT BOTTOM OF SUBBASE MATERIAL.

ITEMS

203.02
304.11000008
402.018904
404.097301
404.257901
407.0103
490.30
609.04
610.1402
610.1601
627.50140008

DESCRIPTION

UNCLASSIFIED EXCAVATION AND DISPOSAL
COMPACTED SUBBASE COURSE (MODIFIED)
TRUE & LEVELING F9, SUPERPAVE HMA, 80 SERIES COMPACTION
9.5 F3 TOP COURSE ASPHALT, 70 SERIES COMPACTION
25 F9 BINDER COURSE ASPHALT, 70 SERIES COMPACTION
STRAIGHT TACK COAT
MISCELLANEOUS COLD MILLING
CAST-IN-PLACE CONCRETE CURB (AS DETAILED) - SEE DETAIL NO. 6
TOPSOIL - ROADSIDE
TURF ESTABLISHMENT -ROADSIDE
SAWCUT ASPHALT PAVEMENT



Philip John Grealy
NEW YORK LICENSED PROFESSIONAL ENGINEER
LICENSE NUMBER: 059858-1
COLLIERS ENGINEERING & DESIGN CT, P.C.
N.Y. C.O.A #: 0017609

**TOWN OF YORKTOWN
ROADWAY IMPROVEMENT
PLANS
FOR
STONY STREET AT
OLD CROMPOND
ROAD**

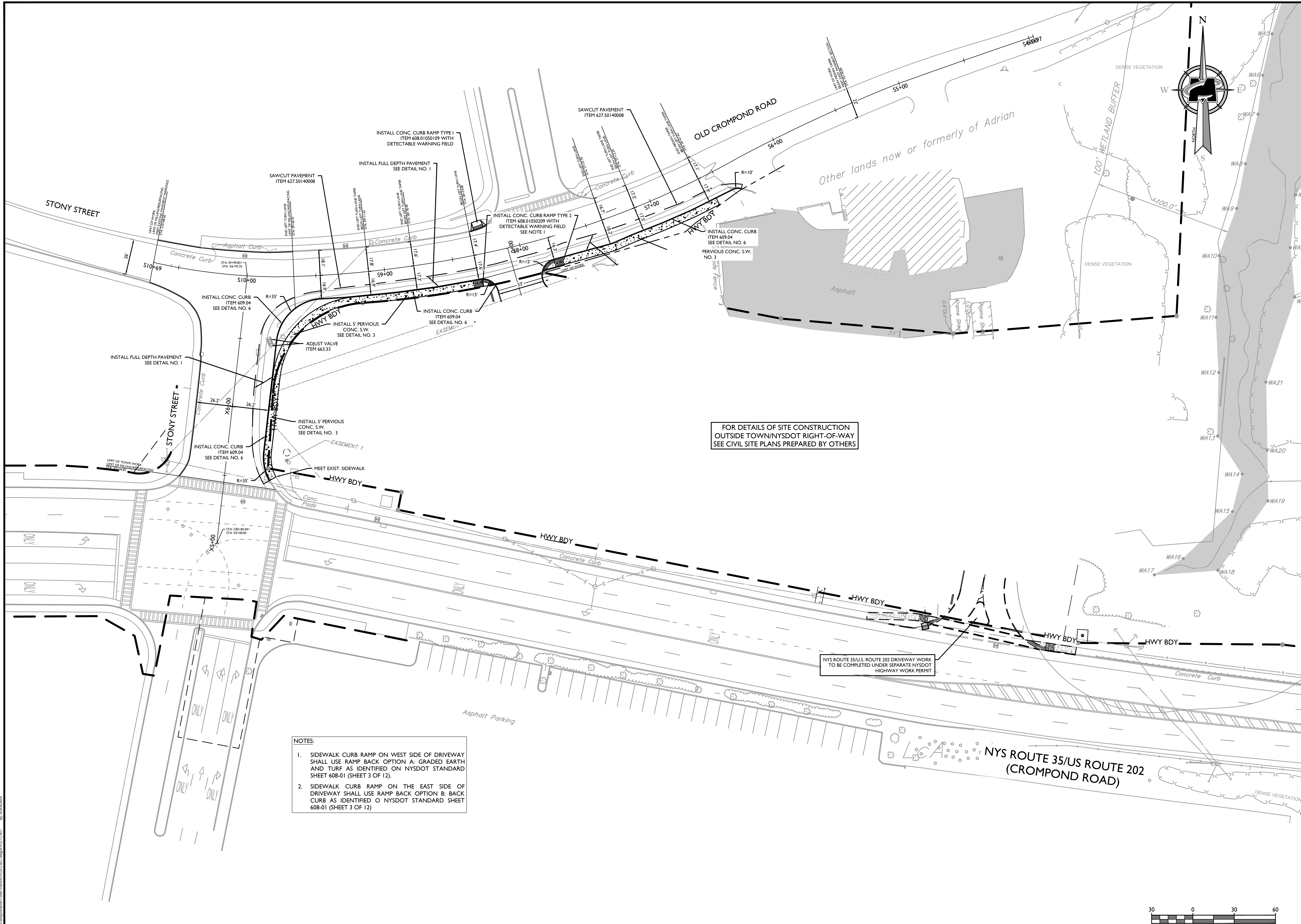
TOWN OF YORKTOWN
WESTCHESTER COUNTY
NEW YORK

Colliers Engineering & Design
400 Columbus Avenue, Suite 1806
Valhalla, NY 10595
Phone: 914.347.7500
COLLIERS ENGINEERING & DESIGN CT, P.C.
DOING BUSINESS AS MASER CONSULTING ENGINEERING & LAND SURVEYING

SCALE: AS SHOWN	DATE: 12/24/19	DRAWN BY: J.F.M.	CHECKED BY: R.G.D.
PROJECT NUMBER: 18009103A	DRAWING NAME: R-PL04-TTYS		

TYPICAL SECTIONS

201910001 (04) Transportation Town Plans R-PL04-TTYS.dwg R:G.D. 12/24/19



FOR DETAILS OF SITE CONSTRUCTION
OUTSIDE TOWN/NYS DOT RIGHT-OF-WAY
SEE CIVIL SITE PLANS PREPARED BY OTHERS

NYS ROUTE 35/US ROUTE 202 DRIVEWAY WORK
TO BE COMPLETED UNDER SEPARATE NYS DOT
HIGHWAY WORK PERMIT

- NOTES:**
1. SIDEWALK CURB RAMP ON WEST SIDE OF DRIVEWAY SHALL USE RAMP BACK OPTION A: GRADED EARTH AND TURF AS IDENTIFIED ON NYS DOT STANDARD SHEET 608-01 (SHEET 3 OF 12).
 2. SIDEWALK CURB RAMP ON THE EAST SIDE OF DRIVEWAY SHALL USE RAMP BACK OPTION B: BACK CURB AS IDENTIFIED ON NYS DOT STANDARD SHEET 608-01 (SHEET 3 OF 12)

Colliers
Engineering & Design
www.colliersengineering.com

Doing Business as **MASER**
811 PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF EXCAVATIONS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE
Know what's below.
Call before you dig.
FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

REV.	DATE	DRAWN BY	DESCRIPTION
1	04/19/2024	REG	REVISED PER NYS DOT COMMENTS DATED 4/22/2024
2	03/24/21	REG	REVISED PER NYS DOT SIGNAL COMMENTS RECEIVED 3/23/21 ADDED: DRAINAGE MAINTENANCE NOTE
3	04/22	MJA	SEPARATED TOWN WORK & DOT WORK
4	12/22/22	MJA	MODIFIED OLD CROMPOND ROAD GRADING
5	01/12/23	PTV	REVISED PER TOWN COMMENTS
6	02/23/23	REG	REVISED PER TOWN MEETING COMMENTS

Philip John Grealy
NEW YORK LICENSED PROFESSIONAL ENGINEER
LICENSE NUMBER: 059858-1
COLLIERS ENGINEERING & DESIGN CT, P.C.
N.Y. C.O.A.#: 0017609

**TOWN OF YORKTOWN
ROADWAY IMPROVEMENT
PLANS
FOR
STONY STREET AT
OLD CROMPOND
ROAD**

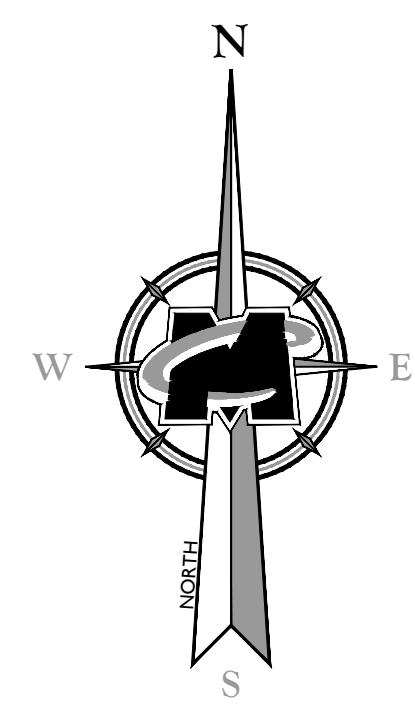
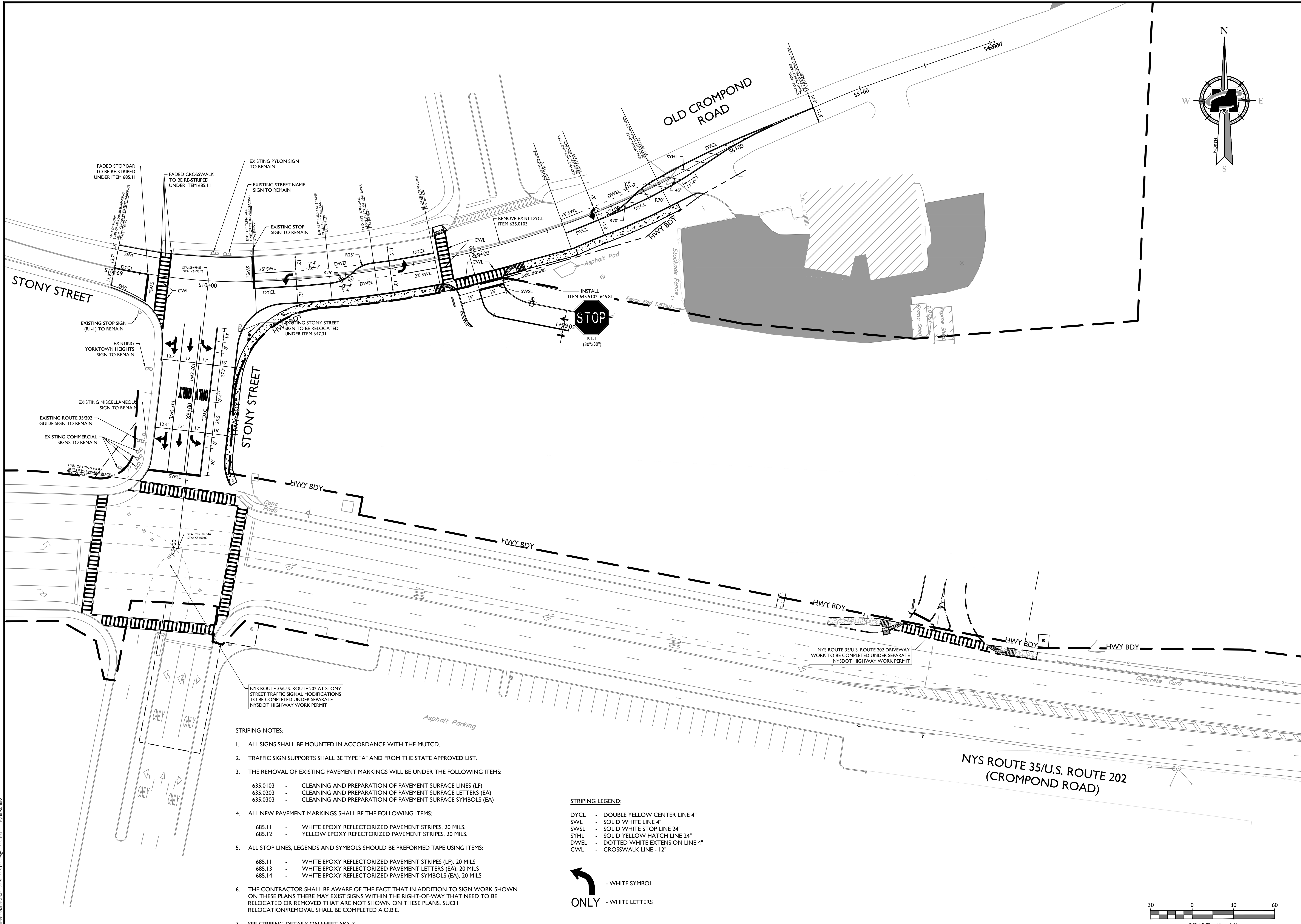
TOWN OF YORKTOWN
WESTCHESTER COUNTY
NEW YORK

Colliers
Engineering & Design
400 Columbus Avenue,
Suite 180E
Valhalla, NY 10595
Phone: 914.347.7500
COLLIERS ENGINEERING & DESIGN CT, P.C.
DOING BUSINESS AS MASER CONSULTING
ENGINEERING & LAND SURVEYING

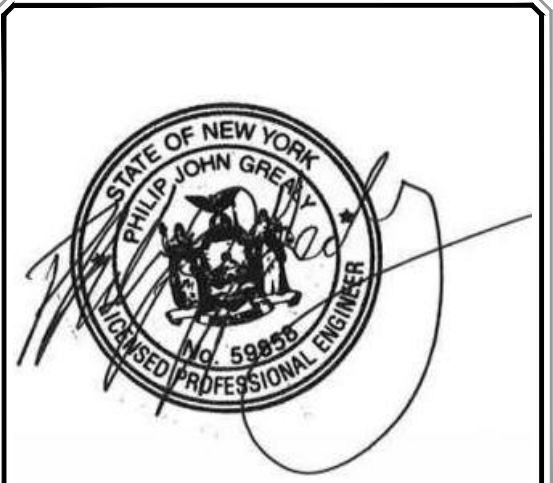
SCALE: AS SHOWN DATE: 12/24/19 DRAWN BY: J.F.M. CHECKED BY: R.G.D.
PROJECT NUMBER: 18009103A DRAWING NAME: R-PL05-CNST
SHEET TITLE: CONSTRUCTION PLAN
SHEET NUMBER: 7 of 10

UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY OR ENGINEERING MAP BEARING A LICENSED LAND SURVEYOR OR PROFESSIONAL ENGINEER IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2, OF THE NEW YORK STATE EDUCATION LAW. ONLY MAPS WITH THE LAND SURVEYOR OR PROFESSIONAL ENGINEER'S SEAL ARE GENUINE TRUE AND CORRECT COPIES OF THE LAND SURVEYOR OR PROFESSIONAL ENGINEER'S ORIGINAL WORK AND OPINION.

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



REV.	DATE	DRAWN BY	DESCRIPTION
1	06/19/2024	REG	REVISED PER NYSDOT COMMENTS DATED 4/27/2020
2	03/24/21	REG	REVISED PER NYSDOT SIGNAL COMMENTS RECEIVED 3/23/21 ADDED: DRAINAGE MAINTENANCE NOTE
3	04/22	MJA	SEPARATED TOWN WORKS & DOT WORK
4	12/22/21	MJA	MODIFIED OLD CROMPOND ROAD GRADING
5	01/23	PTV	REVISED PER TOWN COMMENTS
6	02/23	REG	REVISED PER TOWN MEETING COMMENTS



Philip John Grealy
NEW YORK LICENSED PROFESSIONAL ENGINEER
LICENSE NUMBER: 059858-1
COLLIERS ENGINEERING & DESIGN CT, P.C.
N.Y. C.O.A.#: 0017609

**TOWN OF YORKTOWN
ROADWAY IMPROVEMENT
PLANS
FOR
STONY STREET AT
OLD CROMPOND
ROAD**

TOWN OF YORKTOWN
WESTCHESTER COUNTY
NEW YORK

Colliers WESTCHESTER
400 Columbus Avenue,
Suite 180E
Valhalla, NY 10595
Phone: 914.347.7500
Engineering & Design
COLLIERS ENGINEERING & DESIGN CT, P.C.
DOING BUSINESS AS MASER CONSULTING
ENGINEERING & LAND SURVEYING

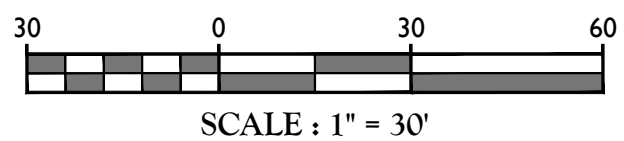
SCALE:	DATE:	DRAWN BY:	CHECKED BY:
AS SHOWN	12/24/19	J.F.M.	R.G.D.
PROJECT NUMBER:	DRAWING NAME:		
18009103A	R-PL06-TSSP		

**SIGNING AND STRIPING
PLAN**

SHEET NUMBER:
9 of 10

- STRIPING NOTES:**
- ALL SIGNS SHALL BE MOUNTED IN ACCORDANCE WITH THE MUTCD.
 - TRAFFIC SIGN SUPPORTS SHALL BE TYPE "A" AND FROM THE STATE APPROVED LIST.
 - THE REMOVAL OF EXISTING PAVEMENT MARKINGS WILL BE UNDER THE FOLLOWING ITEMS:
635.0103 - CLEANING AND PREPARATION OF PAVEMENT SURFACE LINES (LF)
635.0203 - CLEANING AND PREPARATION OF PAVEMENT SURFACE LETTERS (EA)
635.0303 - CLEANING AND PREPARATION OF PAVEMENT SURFACE SYMBOLS (EA)
 - ALL NEW PAVEMENT MARKINGS SHALL BE THE FOLLOWING ITEMS:
685.11 - WHITE EPOXY REFLECTORIZED PAVEMENT STRIPES, 20 MILS.
685.12 - YELLOW EPOXY REFLECTORIZED PAVEMENT STRIPES, 20 MILS.
 - ALL STOP LINES, LEGENDS AND SYMBOLS SHOULD BE PERFORMED TAPE USING ITEMS:
685.11 - WHITE EPOXY REFLECTORIZED PAVEMENT STRIPES (LF), 20 MILS
685.13 - WHITE EPOXY REFLECTORIZED PAVEMENT LETTERS (EA), 20 MILS
685.14 - WHITE EPOXY REFLECTORIZED PAVEMENT SYMBOLS (EA), 20 MILS
 - THE CONTRACTOR SHALL BE AWARE OF THE FACT THAT IN ADDITION TO SIGN WORK SHOWN ON THESE PLANS THERE MAY EXIST SIGNS WITHIN THE RIGHT-OF-WAY THAT NEED TO BE RELOCATED OR REMOVED THAT ARE NOT SHOWN ON THESE PLANS. SUCH RELOCATION/REMOVAL SHALL BE COMPLETED A.O.B.E.
 - SEE STRIPING DETAILS ON SHEET NO. 3

- STRIPING LEGEND:**
- DYCL - DOUBLE YELLOW CENTER LINE 4"
 - SWL - SOLID WHITE LINE 4"
 - SWSL - SOLID WHITE STOP LINE 24"
 - SYHL - SOLID YELLOW HATCH LINE 24"
 - DWEL - DOTTED WHITE EXTENSION LINE 4"
 - CWL - CROSSWALK LINE - 12"
- WHITE SYMBOL
 - WHITE LETTERS



UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY OR ENGINEERING MAP BEARING A LICENSED LAND SURVEYOR OR PROFESSIONAL ENGINEER IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2, OF THE NEW YORK STATE EDUCATION LAW. ONLY MAPS WITH THE LAND SURVEYOR OR PROFESSIONAL ENGINEER'S SEAL ARE GENUINE TRUE AND CORRECT COPIES OF THE LAND SURVEYOR OR PROFESSIONAL ENGINEER'S ORIGINAL WORK AND OPINION.

REV	DATE	DRAWN BY	DESCRIPTION
1	04/19/2024	REG	REVISED PER NYSDOT COMMENTS DATED 4/22/2024
2	03/24/21	REG	REVISED PER NYSDOT SIGNAL COMMENTS RECEIVED 3/23/21 ADDED: DRAINAGE MAINTENANCE NOTE
3	04/22	MJA	SEPARATED TOWN WORK & DOT WORK
4	12/22/21	MJA	REVISED PER TOWN COMMENTS
5	01/23	PTV	MODIFIED OLD CROMPOUND ROAD GRADING
6	02/23	REG	REVISED PER TOWN MEETING COMMENTS



Philip John Grealy
NEW YORK LICENSED PROFESSIONAL ENGINEER
LICENSE NUMBER: 059858-1
COLLIERS ENGINEERING & DESIGN CT, P.C.
N.Y. C.O.A.#: 0017609

**TOWN OF YORKTOWN
ROADWAY IMPROVEMENT
PLANS
FOR
STONY STREET AT
OLD CROMPOUND
ROAD**

**TOWN OF YORKTOWN
WESTCHESTER COUNTY
NEW YORK**

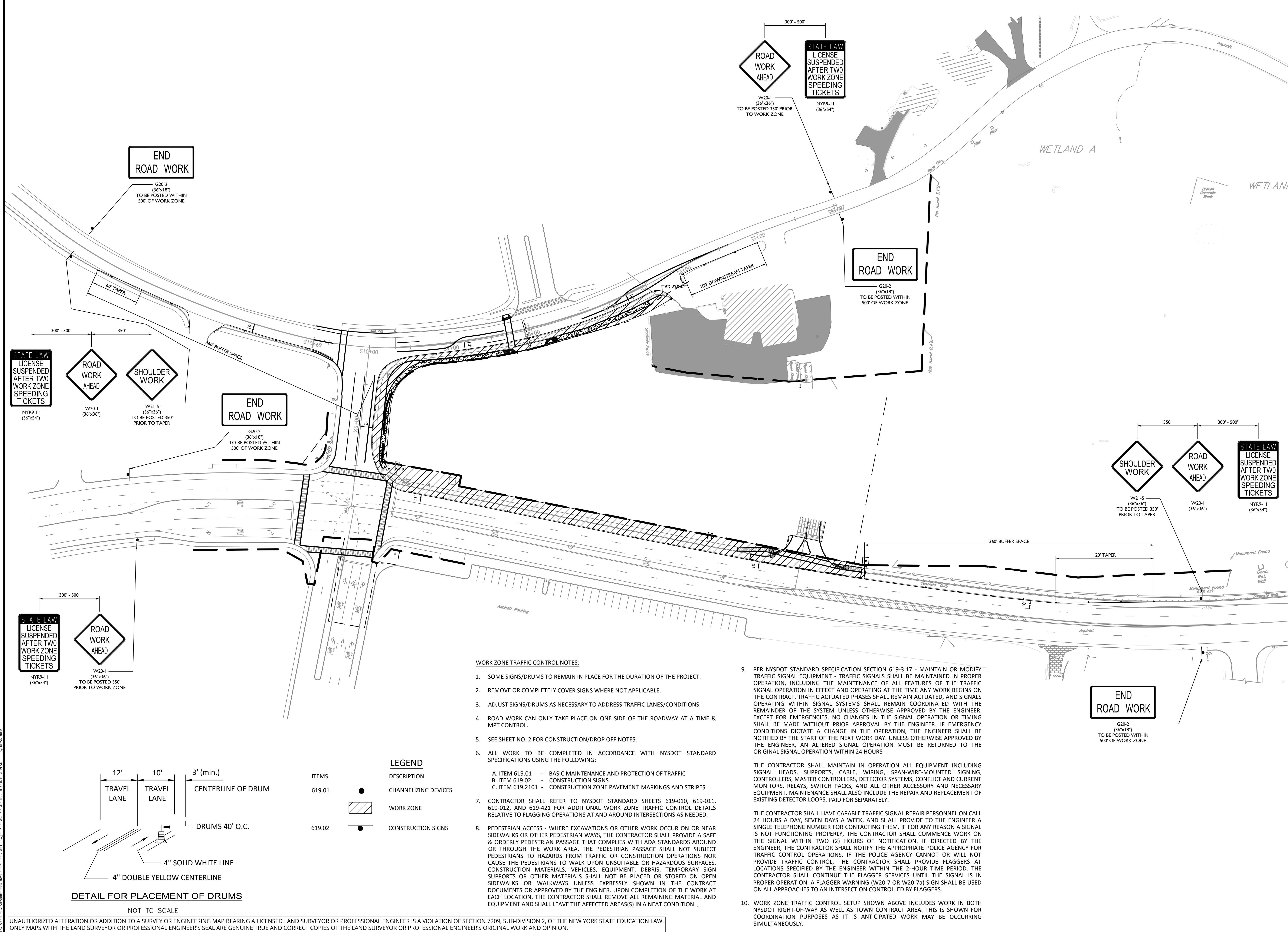
Colliers WESTCHESTER
400 Columbus Avenue,
Suite 180E
Valhalla, NY 10595
Phone: 914.347.7500
COLLIERS ENGINEERING & DESIGN CT, P.C.
DOING BUSINESS AS MASER
ENGINEERING & LAND SURVEYING

SCALE:	DATE:	DRAWN BY:	CHECKED BY:
AS SHOWN	12/24/19	J.F.M.	R.G.D.

PROJECT NUMBER: 18009103A DRAWING NAME: R-PL07-WZTC

**WORK ZONE
TRAFFIC CONTROL PLAN**

SHEET NUMBER:
10 of 10

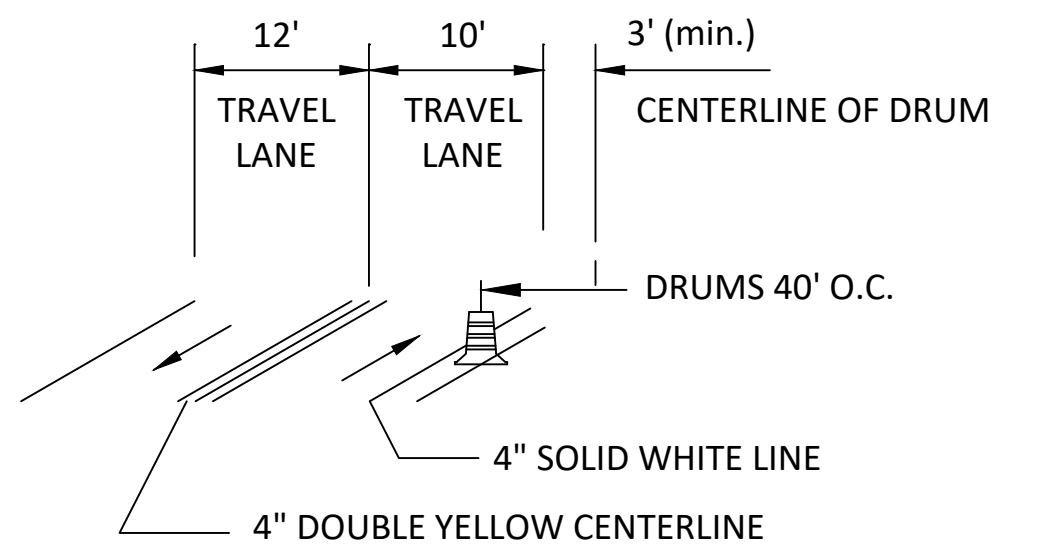


WORK ZONE TRAFFIC CONTROL NOTES:

- SOME SIGNS/DRUMS TO REMAIN IN PLACE FOR THE DURATION OF THE PROJECT.
- REMOVE OR COMPLETELY COVER SIGNS WHERE NOT APPLICABLE.
- ADJUST SIGNS/DRUMS AS NECESSARY TO ADDRESS TRAFFIC LANES/CONDITIONS.
- ROAD WORK CAN ONLY TAKE PLACE ON ONE SIDE OF THE ROADWAY AT A TIME & MPT CONTROL.
- SEE SHEET NO. 2 FOR CONSTRUCTION/DROP OFF NOTES.
- ALL WORK TO BE COMPLETED IN ACCORDANCE WITH NYSDOT STANDARD SPECIFICATIONS USING THE FOLLOWING:
 - A. ITEM 619.01 - BASIC MAINTENANCE AND PROTECTION OF TRAFFIC
 - B. ITEM 619.02 - CONSTRUCTION SIGNS
 - C. ITEM 619.2101 - CONSTRUCTION ZONE PAVEMENT MARKINGS AND STRIPES
- CONTRACTOR SHALL REFER TO NYSDOT STANDARD SHEETS 619-010, 619-011, 619-012, AND 619-421 FOR ADDITIONAL WORK ZONE TRAFFIC CONTROL DETAILS RELATIVE TO FLAGGING OPERATIONS AT AND AROUND INTERSECTIONS AS NEEDED.
- PEDESTRIAN ACCESS - WHERE EXCAVATIONS OR OTHER WORK OCCUR ON OR NEAR SIDEWALKS OR OTHER PEDESTRIAN WAYS, THE CONTRACTOR SHALL PROVIDE A SAFE & ORDERLY PEDESTRIAN PASSAGE THAT COMPLIES WITH ADA STANDARDS AROUND OR THROUGH THE WORK AREA. THE PEDESTRIAN PASSAGE SHALL NOT SUBJECT PEDESTRIANS TO HAZARDS FROM TRAFFIC OR CONSTRUCTION OPERATIONS NOR CAUSE THE PEDESTRIANS TO WALK UPON UNSUITABLE OR HAZARDOUS SURFACES. CONSTRUCTION MATERIALS, VEHICLES, EQUIPMENT, DEBRIS, TEMPORARY SIGN SUPPORTS OR OTHER MATERIALS SHALL NOT BE PLACED OR STORED ON OPEN SIDEWALKS OR WALKWAYS UNLESS EXPRESSLY SHOWN IN THE CONTRACT DOCUMENTS OR APPROVED BY THE ENGINEER. UPON COMPLETION OF THE WORK AT EACH LOCATION, THE CONTRACTOR SHALL REMOVE ALL REMAINING MATERIAL AND EQUIPMENT AND SHALL LEAVE THE AFFECTED AREA(S) IN A NEAT CONDITION.
- PER NYSDOT STANDARD SPECIFICATION SECTION 619-3.17 - MAINTAIN OR MODIFY TRAFFIC SIGNAL EQUIPMENT - TRAFFIC SIGNALS SHALL BE MAINTAINED IN PROPER OPERATION, INCLUDING THE MAINTENANCE OF ALL FEATURES OF THE TRAFFIC SIGNAL OPERATION IN EFFECT AND OPERATING AT THE TIME ANY WORK BEGINS ON THE CONTRACT. TRAFFIC ACTUATED PHASES SHALL REMAIN ACTUATED, AND SIGNALS OPERATING WITHIN SIGNAL SYSTEMS SHALL REMAIN COORDINATED WITH THE REMAINDER OF THE SYSTEM UNLESS OTHERWISE APPROVED BY THE ENGINEER. EXCEPT FOR EMERGENCIES, NO CHANGES IN THE SIGNAL OPERATION OR TIMING SHALL BE MADE WITHOUT PRIOR APPROVAL BY THE ENGINEER. IF EMERGENCY CONDITIONS DICTATE A CHANGE IN THE OPERATION, THE ENGINEER SHALL BE NOTIFIED BY THE START OF THE NEXT WORK DAY. UNLESS OTHERWISE APPROVED BY THE ENGINEER, AN ALTERED SIGNAL OPERATION MUST BE RETURNED TO THE ORIGINAL SIGNAL OPERATION WITHIN 24 HOURS.
- THE CONTRACTOR SHALL MAINTAIN IN OPERATION ALL EQUIPMENT INCLUDING SIGNAL HEADS, SUPPORTS, CABLE, WIRING, SPAN-WIRE-MOUNTED SIGNING, CONTROLLERS, MASTER CONTROLLERS, DETECTOR SYSTEMS, CONFLICT AND CURRENT MONITORS, RELAYS, SWITCH PACKS, AND ALL OTHER ACCESSORY AND NECESSARY EQUIPMENT. MAINTENANCE SHALL ALSO INCLUDE THE REPAIR AND REPLACEMENT OF EXISTING DETECTOR LOOPS, PAID FOR SEPARATELY.
- THE CONTRACTOR SHALL HAVE CAPABLE TRAFFIC SIGNAL REPAIR PERSONNEL ON CALL 24 HOURS A DAY, SEVEN DAYS A WEEK, AND SHALL PROVIDE TO THE ENGINEER A SINGLE TELEPHONE NUMBER FOR CONTACTING THEM. IF FOR ANY REASON A SIGNAL IS NOT FUNCTIONING PROPERLY, THE CONTRACTOR SHALL COMMENCE WORK ON THE SIGNAL WITHIN TWO (2) HOURS OF NOTIFICATION. IF DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE POLICE AGENCY FOR TRAFFIC CONTROL OPERATIONS. IF THE POLICE AGENCY CANNOT OR WILL NOT PROVIDE TRAFFIC CONTROL, THE CONTRACTOR SHALL PROVIDE FLAGGERS AT LOCATIONS SPECIFIED BY THE ENGINEER WITHIN THE 2-HOUR TIME PERIOD. THE CONTRACTOR SHALL CONTINUE THE FLAGGER SERVICES UNTIL THE SIGNAL IS IN PROPER OPERATION. A FLAGGER WARNING (W20-7 OR W20-7a) SIGN SHALL BE USED ON ALL APPROACHES TO AN INTERSECTION CONTROLLED BY FLAGGERS.
- WORK ZONE TRAFFIC CONTROL SETUP SHOWN ABOVE INCLUDES WORK IN BOTH NYSDOT RIGHT-OF-WAY AS WELL AS TOWN CONTRACT AREA. THIS IS SHOWN FOR COORDINATION PURPOSES AS IT IS ANTICIPATED WORK MAY BE OCCURRING SIMULTANEOUSLY.

LEGEND

ITEMS	DESCRIPTION
619.01	CHANNELIZING DEVICES
619.02	WORK ZONE
	CONSTRUCTION SIGNS



DETAIL FOR PLACEMENT OF DRUMS

NOT TO SCALE

UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY OR ENGINEERING MAP BEARING A LICENSED LAND SURVEYOR OR PROFESSIONAL ENGINEER IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2, OF THE NEW YORK STATE EDUCATION LAW. ONLY MAPS WITH THE LAND SURVEYOR OR PROFESSIONAL ENGINEER'S SEAL ARE GENUINE TRUE AND CORRECT COPIES OF THE LAND SURVEYOR OR PROFESSIONAL ENGINEER'S ORIGINAL WORK AND OPINION.