

STATE OF NORTH CAROLINA  
COUNTY OF WAKE

PURCHASE ORDER #  
STANDARD CONSTRUCTION CONTRACT

THIS CONTRACT is entered into this the \_\_\_\_ day of \_\_\_\_\_, 2019, by and between Bridge Point Civil, a Limited Liability Corporation with its principal business offices located at 3733 N. US Hwy 117 Goldsboro, NC 27530 (the "Contractor"), and the Town of Apex, a municipal corporation of the State of North Carolina, (the "Town"). Town and Contractor may collectively be referred to as "Parties" hereinafter.

**WITNESSETH:**

WHEREAS, Town is engaged in the planning, operation, and utilization of town facilities and infrastructure which from time to time require construction, building, design, reconfiguration, renovation, installation, evaluation, site work, landscaping, testing, and other related projects; and

WHEREAS, the professional services of contractors from time to time are needed by the Town for the services as described above; and

WHEREAS, Contractor provides services of the nature required by the Town and employs trained and experienced technical personnel possessing adequate knowledge, skills, and experience to provide such professional services to the Town; and

NOW THEREFORE, in consideration of the foregoing recitals, and the premises and mutual covenants herein contained, the receipt and adequacy of which is hereby acknowledged, the Parties,

**1. SCOPE OF SERVICES.**

The Contractor agrees to provide all materials, equipment, machinery, tools, apparatus, means of transportation and labor necessary for construction of a portion of the Middle Creek Greenway PHII as detailed in Final Construction Plans dated June 17, 2019 as prepared by Withers and Ravenel (Reunion Pointe North to Straywhite Avenue in Miramonte, Apex, NC 27502), consistent with the "Contract Documents." "Contract Documents" as used in this Contract include the following which are hereby incorporated into this Contract:

- A. This Contract
- B. Plans titled "**Middle Creek Greenway PHII**", dated **6.17.19** by **Edward Tang, P.E.**
- C. Bid Advertisement (if applicable)
- D. Instructions to Bidders
- E. Execution of Bid
- F. Bid Form
- G. Bid Form Submission
- H. Bid Bond (if applicable)
- I. Notice of Award
- J. Performance & Payment Bonds (if applicable)
- K. Notice to Proceed
- L. Special Provisions
- M. Plan Sheet
- N. Addenda

- O. Certificate(s) of Insurance
- P. Town of Apex Standard Specifications and Standard Details
- Q. NCDOT 2018 Standard Specifications for Roads and Structures
- R. NCDOT 2018 Roadway Standard Drawings
- S. US DOT Manual on Uniform Traffic Control Devices, including any NC Supplement.

## **1. TIME OF COMMENCEMENT AND COMPLETION.**

Contractor shall commence the work required in this Contract upon the issuance of a Notice to Proceed, and the Contractor shall complete entire work within **180** calendar days of the issuance of the Notice to Proceed. If Contractor has not satisfactorily commenced or completed the work within the times specified, the Town may declare such delay a material breach of contract and may pursue all available legal and equitable remedies. In the alternate, the Town in its sole discretion may for each calendar day past this contract time, receive \$500.00 per day as liquidated damages. Any changes to the schedule(s) provided in the Contract must be agreed to in writing by the Town and the Contractor.

If the Contractor is delayed at any time in the progress of his work by any act or negligence of the Town, his employees or his separate contractor, by changes ordered in the work; by abnormal weather conditions; by any causes beyond the Contractor's control or by other causes deemed justifiable by Town, then the contract time may be reasonably extended in a written order from the Town upon written request from the contractor within ten days following the cause for delay. Time extensions for weather delays, acts of God, labor disputes, fire, delays in transportation, unavoidable casualties or other delays which are beyond the control of the Town do not entitle the Contractor to compensable damages for delays. Any Contractor claim for compensable damages for delays is limited to delays caused solely by the Town or its agents.

## **2. CONSIDERATION AND PAYMENT OF SERVICES.**

In consideration of the above services, the Town will pay the Contractor the total sum of **\$303,415.82**. Contractor shall submit applications for payment reflecting work completed through the date of application. Town will process all pay applications as the project progresses. Payment shall be made within 30 days after certification of the work in an application for payment. Town has the right to require the Contractor to produce for inspection all of Contractor's records and charges to verify the accuracy of all applications for payment. Town shall pay Contractor's invoices at times set forth above unless a bona fide dispute exists between Town and Contractor concerning the accuracy of said invoice or the services covered thereby.

### Retainage:

In accordance with N.C.G.S 143-134.1, Town may withhold a percentage of payment until the project has been satisfactorily completed for projects costing more than \$100,000.00. For projects costing \$100,000.00 or more:

- a. Retainage withheld shall not exceed 5% at any time.
- b. The same terms shall apply to the general contractor and subcontractors alike.
- c. Following 50% completion of the project no further retainage will be withheld if the Contractor/subcontractor has performed satisfactorily.
- d. Town may reinstate retainage if the Contractor/subcontractor does not continue to perform satisfactorily. Following 50% completion of the project, Town is authorized to withhold additional retainage from a subsequent payment application if the amount of retainage withheld falls below 2.5%.

Final payment will be made within forty-five (45) days after acceptance of the work and the Town has received all required warranty information, "as-built" drawings as required, and receipt of the final pay request which shall include the Contractor's affidavit in the following form:

"This is to certify that all costs of materials, equipment, labor, subcontracted work, and all else entering into the accomplishment of this contract, including payrolls, have been paid in full."

The Town, or the designer with the Town's approval, may withhold payment for any of the following reasons:

- a. Faulty or defective work not corrected.
- b. The unpaid balance remaining on the contract is not sufficient to complete the work in the sole judgement and discretion of the designer.
- c. To provide a sufficient contract balance to cover liquidated damages (if applicable) that will be assessed.
- d. Evidence that subcontractors have not been paid.

Payment will be released once the grounds for withholding payments has been removed.

### **3. CHANGE ORDERS.**

- A. In the event Town has changes in the work not covered by the contract, these changes will not invalidate or relieve Contractor from any guarantee it has given in this Contract. If a bond was required these changes will not relieve the surety or sureties of said bond. Changes in work shall *not* proceed without a Change Order approved by the Town. Contractor shall provide a complete breakdown of all labor and material costs with the Change Order request. The breakdown shall include the Contractor's allowance for overhead and profit not to exceed 10% of the net cost of the change with work provided directly by the Contractor. For purposes of this Contract, "net cost" shall mean the difference between all proper cost additions and deductions. No claim for adjustments of the contract price shall be valid unless the procedure outlined in this section is followed. Any work performed pursuant to an approved change order shall be governed by the terms of this Contract.
- B. The Parties agree that there are two methods that may be utilized to determine the cost of changes:
  1. If unit prices are quoted in the proposal or bid and the additional work is covered by those unit prices, or can be subsequently agreed to by the Parties and Designer, the cost of the change shall be computed by application of the unit prices based on quantities. If this method is used no additional allowances shall be made for overhead and profit.
  2. If the additional work is not covered by unit prices, unit prices were not provided in the proposal or bid, or by the Parties mutual election, Town and Contractor may negotiate and agree upon the value of the change prior to the issuance of the change order and the change order shall identify the corresponding lump sum adjustment to the contract price.
- C. In the event concealed conditions are discovered in the performance of the work below grade, or in the event concealed or unknown conditions in an existing structure vary from the conditions indicated in the Contract Documents, the contract sum and time for completion may be adjusted by

Change Order upon claim by either party made within thirty (30) days after the condition has been identified. The cost shall be determined by one of the methods outlined in this Contract.

- D. Change Orders shall be submitted by the Contractor for the Designer and Town's review and approval. Contractor shall provide all applicable supporting data and information. Delay in approval of a Change Order due to Contractor's failure to submit proper documentation shall not be grounds for a time extension or basis of a claim. The Designer or Town shall respond to the Contractor's proposal within fourteen (14) days of receipt of the proposal. If accepted, the Designer or Town shall prepare the Change Order for the Contractor's signature. The Town shall execute the approved Change Order within seven (7) days of receipt from the Contractor. If the project requires bonding, the Contractor shall notify its bonding company that the contract has been changed by the amount of the Change Order and provide a copy of the approved Change Order to the surety. In the event a Change Order cannot be agreed upon by the Parties, nothing in this Contract shall preclude the Town from performing, or having performed, the work requested in a Change Order.

#### **4. INDEMNIFICATION.**

To the extent permitted by law, the Contractor agrees to defend, pay on behalf of, indemnify, and hold harmless the Town of Apex, its elected and appointed officials, employees, agents, and volunteers against any and all claims, demands, suits or losses, including all costs connected therewith, for any damages which may be asserted, claimed or recovered against or from the Town of Apex its elected or appointed officials, employees, agents, and volunteers by reason of personal injury, including bodily injury or death and/or property damage, including loss of use thereof, resulting from the negligence of the Contractor.

#### **5. APPLICABILITY OF LAWS AND REGULATIONS.**

The Contractor shall adhere to all laws, ordinances, and regulations of the United States, the State of North Carolina, the County of Wake, and the Town of Apex in the performance of the services outlined in this contract and any attached specifications. This Contract shall be governed by the laws of the State of North Carolina.

Contractor shall obtain all required permits and inspections and shall give all notices required by law in performance of this project. In the event Contractor observes that any drawings or specifications are not in compliance with any such rules, laws, or regulations, Contractor shall promptly notify the Town in writing. Contractor shall not perform any work knowing it to be contrary to any laws, ordinances, codes, rules or regulations.

All work under this Contract shall be performed in accordance with the North Carolina Building Code and all other applicable state or national codes.

#### **6. E-VERIFY COMPLIANCE.**

The Contractor shall comply with the requirements of Article 2 of Chapter 64 of the North Carolina General Statutes (E-Verify). Contractor shall require all of the Contractor's subcontractors to comply with the requirements of Article 2 of Chapter 64 of the North Carolina General Statutes (E-Verify).

#### **8. ANTI-HUMAN TRAFFICKING.**

The Contractor warrants and agrees that no labor supplied by the Contractor or the Contractor's subcontractors in the performance of this Agreement shall be obtained by means of deception, coercion, intimidation or force, or otherwise in violation of North Carolina law, specifically Article 10A, Subchapter 3 of Chapter 14 of the North Carolina General Statutes, Human Trafficking.

## **9. QUALITY AND WORKMANSHIP.**

Contractor shall provide services in accordance with all governing agency regulations and shall be held to the same standard and shall exercise the same degree of care, skill and judgment in the performance of services for Town as is ordinarily provided by a similar professional under the same or similar circumstances at the time in North Carolina. Contractor hereby certifies that he/she is a licensed general contractor as defined by N.C.G.S. 87-1.

## **10. PROTECTION AND RESTORATION OF SITE.**

Unless otherwise noted in the Contract Documents, Contractor shall supply all labor, transportation, tools, and apparatus necessary for the completion of this work and shall maintain and remove all equipment of the construction, and be responsible for the safe, proper and lawful construction, maintenance and use of the same. Contractor shall provide all necessary protections for the site and shall be responsible for and pay for or repair, any damage to Town property caused by Contractor's or subcontractor's actions on the site. Protections provided by Contractor shall include cover of any work that is not in progress but is accessible to the public. Any work damaged that was not properly protected shall be repaired or replaced by the Contractor. Contractor shall provide all barricades necessary to keep the public away from construction.

If at any point during the construction or completion of the work contemplated by this Contract, the conduct or behavior of any worker on the site be determined to be a nuisance to the Town, or detrimental to the Town's operations, Contractor shall immediately remove such party from the site.

Contractor shall keep the work site and surrounding area reasonably free from obstruction and debris and shall remove all such debris when requested by the Town. Before final acceptance of the project Contractor shall thoroughly clean the site and surrounding area and prepare the project site for use by the Town. Following construction the Contractor shall restore the site its original state.

## **11. INSURANCE.**

Work under this Contract shall not proceed until the Contractor has obtained all required insurance. The Contractor shall maintain valid general liability insurance in the minimum amount of \$1,000,000, commercial automobile liability insurance in the minimum amount of \$2,000,000, and provide certificates of such insurance naming the Town of Apex as an *additional insured* by endorsement to the policies. If the policy has a blanket additional insured provision, the contractor's insurance shall be primary and non-contributory to other insurance. Additionally, the contractor shall maintain and show proof of workers' compensation in accordance with the statutory limits and employer's liability insurance in the minimum amount of \$1,000,000. Contractor shall purchase and maintain Builder's Risk insurance until final acceptance of the work, upon the entire work at the site to the full insurable value thereof. The Contractor shall provide notice of cancellation, non-renewal or material change in coverage to the Town of Apex within 10 days of their receipt of notice from the insurance company. All required certificates of insurance, endorsements, and blanket additional insured policy provisions are attached and considered part of this document. Notwithstanding the foregoing, neither the requirement of Contractor to have sufficient insurance nor the requirement that Town is named as an additional insured, shall constitute waiver of the Town's governmental immunity in any respect, under North Carolina law.

## **12. PRE-PROJECT SAFETY REVIEW MEETING.**

When requested by the Town, the Contractor shall attend a pre-project safety review meeting with the contracting Department Head and Supervisors and Safety and Risk Manager prior to the start of work.

### **13. SUBCONTRACTORS.**

Contractor shall be fully responsible for his/her own acts or omissions as well as those of any subcontractor retained to perform services pursuant to this Contract. Contractor acknowledges that no contractual relationship exists between the subcontractor and the Town in regards to this Contract and that the subcontractor is acting as an agent or employee of the Contractor. Contractor acknowledges that the terms of this Contract applies to each subcontractor as it does to the Contractor and Contractor will take whatever steps necessary to bind all subcontractors working on this project to these terms.

### **14. DEFAULT.**

In the event the Contractor fails to begin the work pursuant to the Contract Documents within the time specified, or the progress of the work is not maintained on schedule, or the work is not completed within the time specified, or fails to perform the work with sufficient staff and equipment or with sufficient materials to ensure the prompt completion of said work, or shall perform the work unsuitably or shall discontinue the prosecution of the work, or if the Contractor shall become insolvent or be declared bankrupt or commit any act of bankruptcy or insolvency, or allow any final judgment to stand against him unsatisfied for a period of forty-eight (48) hours, or shall make an assignment for the benefit of creditors, or for any other cause whatsoever shall not carry on the work in an acceptable manner, the Town may give notice in writing, sent by certified mail, return receipt requested, to the Contractor and his surety (if applicable) of such delay, neglect or default, specifying the same, and if the Contractor within a period of seven (7) days after such notice shall not proceed in accordance therewith, then the Town shall, declare this Contract in default. Upon a declaration of default the following shall apply:

1. If the project was required to be bonded the surety shall promptly take over the work and complete the performance of this Contract in the manner and within the time frame specified. In the event the surety (if applicable) shall fail to take over the work to be done under this Contract within seven (7) days after being so notified and notify the Town in writing, sent by certified mail, return receipt requested, that he is taking the same over and stating that he will diligently pursue and complete the same, the Town shall have full power and authority, without violating the Contract, to take the prosecution of the work out of the hands of said Contractor, to appropriate or use any or all contract materials and equipment on the grounds as may be suitable and acceptable and may enter into an agreement, either by public letting or negotiation, for the completion of said Contract according to the terms and provisions thereof or use such other methods as in his opinion shall be required for the completion of said Contract in an acceptable manner. All costs and charges incurred by the Town, together with the costs of completing the work under Contract, shall be deducted from any monies due or which may become due said Contractor and surety. In case the expense so incurred by the Contractor shall be less than the sum which would have been payable under the Contract, if it had been completed by said Contractor, then the said Contractor and surety shall be entitled to receive the difference, but in case such expense shall exceed the sum which would have been payable under the Contract, then the Contractor and the surety shall be liable and shall pay to the Town the amount of said excess.
2. If a bond was not required and there is not surety, then the Contractor shall promptly cure the default and complete the performance of this Contract in the manner and within the time frame specified in the written notice. In the event the Contractor shall fail to cure the default within the time specified, the Town shall have full power and authority, without violating the Contract, to take the prosecution of the work out of the hands of said Contractor, to appropriate or use any or all contract materials and equipment on the grounds as may be suitable and acceptable and may enter into an agreement, either by public letting or negotiation, for the completion of said

Contract according to the terms and provisions thereof or use such other methods as in his opinion shall be required for the completion of said Contract in an acceptable manner. All costs and charges incurred by the Town, together with the costs of completing the work under contract, shall be deducted from any monies due or which may become due said Contractor. If the expense so incurred by the Town shall be less than the sum which would have been payable under the Contract, if it had been completed by said Contractor, then the said Contractor shall be entitled to receive the difference, but in case such expense shall exceed the sum which would have been payable under the Contract, then the Contractor shall be liable and shall pay to the Town the amount of said excess.

**15. TERMINATION FOR CONVENIENCE.**

Town shall have the right to terminate this Contract for the Town's convenience upon thirty (30) days written notice to Contractor. Contractor shall terminate performance of services on a schedule acceptable to the Town. Unless otherwise notified, upon termination Contractor shall discontinue all work and the placement of orders for materials and supplies in connection with this Contract. In the event of termination for convenience, the Town shall pay Contractor for all services satisfactorily performed in accordance with this Contract and such other costs actually incurred by the Contractor as approved by the Town.

**16. TOWN'S RIGHT TO PERFORM WORK**

If at any point during the performance or progress of the work, or during the period of guarantee, Contractor fails perform the work in satisfactory manner or to perform in accordance with the terms of this Contract, the Town, after seven (7) days' written notice to the Contractor from either the Town or the Designer, may perform or have performed that portion of the work. The cost of the associated work may be deducted from any amounts due or that become due to the Contractor. In the event the cost of such performance exceeds the amount due the Contractor, then the Contractor or the surety (if applicable), or both, shall be liable for and shall pay to the Town the amount of the excess.

**17. NOTICE.**

Any formal notice, demand, or request required by or made in connection with this Contract shall be deemed properly made if delivered in writing or deposited in the United States mail, postage prepaid, to the address specified below.

<p><b>TO CONTRACTOR:</b>  Jeremy Smith, Manager  Bridge Pointe Civil, LLC  3733 N. US Hwy. 117  Goldsboro, NC 27530</p>	<p><b>TO TOWN:</b>  Town of Apex  Attn: John M. Brown, Director  Parks, Recreation and Cultural  Resources  PO Box 250  Apex, NC 27502</p>
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**18. DELAY BEYOND THE CONTROL OF THE PARTIES.**

Neither Contractor nor Town shall be in default of the provisions of this Contract for delays in performance due to forces beyond the control of the parties. "Forces beyond the control of the parties" shall mean, but is not limited to, delay caused by fire, acts of God, flood, earthquakes, storms, lightning, epidemic, war, riot, and/or civil disobedience.

**19. NONWAIVER FOR BREACH.**

No breach or non-performance of any term of this Contract shall be deemed to be waived by either party unless said breach or non-performance is waived in writing and signed by the parties. No waiver of any breach or non-performance under this Contract shall be deemed to constitute a waiver of any subsequent breach or non-performance and for any such breach or non-performance each party shall be relegated to such remedies as provided by law.

**20. CONSTRUCTION.**

Should any portion of this Contract require judicial interpretation, it is agreed that the Court or Tribunal construing the same shall not apply a presumption that the terms hereof shall be more strictly construed against any one party by reason of the rule of construction that a document is to be more strictly construed against the party who prepared the documents.

**21. NO REPRESENTATIONS.**

The parties hereby warrant that no representations about the nature or extent of any claims, demands, damages, or rights that they have, or may have, against one another have been made to them, or to anyone acting on their behalf, to induce them to execute this Contract, and they rely on no such representations; that they have fully read and understood this Contract before signing their names; and that they act voluntarily and with full advice of counsel.

**22. SEVERABILITY.**

In the event for any reason that any provision or portion of this Contract shall be found to be void or invalid, then such provision or portion shall be deemed to be severable from the remaining provisions or portions of this Contract, and it shall not affect the validity of the remaining portions, which portions shall be given full effect as if the void or invalid provision or portion had not been included herein.

**23. COUNTERPARTS.**

This Contract may be executed in two or more counterparts, each of which shall be deemed an original, and all of which together shall constitute one instrument.

**24. MODIFICATION.**

This Contract contains the full understanding of the parties. Any modifications or addendums to this Contract must be in writing and executed with the same formality as this Contract.

**25. BINDING EFFECT.**

The terms of this Contract shall be binding upon the parties' heirs, successors, and assigns.

**26. ASSIGNMENT.**

Contractor shall not assign, sublet, or transfer any rights under or interest in (including, but without limitation, monies that may become due or monies that are due) this Contract without the written consent of the Town. Nothing contained in this paragraph shall prevent Contractor from employing such independent consultants, associates, and sub-contractors as it may deem appropriate to assist Contractor in the performance of services rendered.



## **27. INDEPENDENT CONTRACTOR.**

Contractor is an independent contractor and shall undertake performance of the services pursuant to the terms of this Contract as an independent contractor. Contractor shall be wholly responsible for the methods, means and techniques of performance.

## **28. NON-APPROPRIATION.**

Notwithstanding any other provisions of this Contract, the parties agree that payments due hereunder from the Town are from appropriations and monies from the Town Council and any other governmental entities. In the event sufficient appropriations or monies are not made available to the Town to pay the terms of this Contract for any fiscal year, this Contract shall terminate immediately without further obligation of the Town.

## **29. IRAN DIVESTMENT ACT CERTIFICATION.**

N.C.G.S. 147-86.60 prohibits the State of North Carolina, a North Carolina local government, or any other political subdivision of the State of North Carolina from contracting with any entity that is listed on the Final Divestment List created by the North Carolina State Treasurer pursuant to N.C.G.S. 147-86.58. N.C.G.S. 147-86.59 further requires that contractors with the State, a North Carolina local government, or any other political subdivision of the State of North Carolina must not utilize any subcontractor found on the State Treasurer's Final Divestment List. As of the date of execution of this Contract the Contractor hereby certifies that the Contractor is not listed on the Final Divestment List created by the North Carolina State Treasurer and that the Contractor will not utilize any subcontractors found on the Final Divestment List.

## **30. CONTRACTOR'S WARRANTIES.**

The Contractor, in executing this Contract, unconditionally guarantees materials and workmanship against defects arising from faulty materials, faulty workmanship or negligence for a period of twelve (12) months following the final acceptance of the work by the Town and shall replace all such defective materials or workmanship without cost to the Town. In the cases where materials or equipment carry a manufacturer's warranty for any period in excess of twelve (12) months, then the manufacturer's warranty shall apply for that specific equipment or material. During the manufacturer's warranty period the Contractor shall be responsible for the replacement of such defective equipment or materials.

Nothing in this section shall preclude the Town from bringing an action for latent defects caused by the negligence of the Contractor which is concealed, hidden, or not readily apparent to the Town at the time of final acceptance, in accordance with applicable law. Guarantees that are stipulated in the specifications or drawings shall govern those particular materials or equipment.

## **31. BOND REQUIREMENTS.**

If a bond is required by the Contract Documents, Contractor shall provide the Town of Apex with a contract payment bond and a contract performance bond by a surety company authorized to do business in North Carolina, each in an amount equal to 100 percent of the amount of the contract. All bonds shall be in conformance with N.C.G.S. 44A-33. The corporate surety furnishing the bonds shall be authorized to do business in the State of North Carolina. Failure on the part of the Contractor to file acceptable bonds within the required timeframe shall be just cause for the forfeiture of the bid bond or bid deposit and rescinding award of the Contract. Award may then be made to the next lowest responsible bidder or the work may be re-advertised.

**32. EQUAL OPPORTUNITY CLAUSE.**

The non-discrimination clause contained in Section 202 Executive Order 11246, as amended, relative to equal employment opportunity for all persons without regard to race, color, religion, sex or national origin, and the implementing rules and regulations prescribed by the Secretary of Labor, are incorporated herein.

**33. ELECTRONIC SIGNATURE.**

Pursuant to Article 40 of Chapter 66 of the North Carolina General Statutes (the Uniform Electronic Transactions Act) this Agreement and all documents related hereto containing an electronic or digitized signature are legally binding in the same manner as are hard copy documents executed by hand signature. The Parties hereby consent to use electronic or digitized signatures in accordance with the Town's Electronic Signature Policy and intend to be bound by the Agreement and any related documents. If electronic signatures are used the Agreement shall be delivered in an electronic record capable of retention by the recipient at the time of receipt.

In witness thereof, the contracting parties, by their authorized agents, affix their signatures and seals this \_\_\_\_\_ day of \_\_\_\_\_, 2019.

**Contractor BridgePoint Civil, LLC**

**Town of Apex**

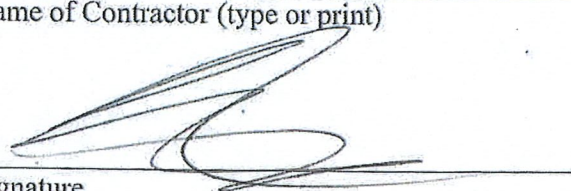
Jeremy Smith

Name of Contractor (type or print)

Andrew L. Havens

Town Manager

Signature



Attest:

President

Title

Donna B. Hosch, MMC, NCCMC

Town Clerk

Attest:

*This instrument has been preaudited in the manner required by the Local Government Budget and Fiscal Control Act.*

Secretary (if a corporation)

T. Vance Holloman

Finance Director



BridgePoint Civil has numerous General Contractor, Owner, and Vendor References, below is a sample.

Bobby Anweiler, Project Manager  
Clancy & Theys Construction Company  
516 W. Cabarrus Street  
Raleigh, NC 27603  
[robertanweiler@clancytheys.com](mailto:robertanweiler@clancytheys.com)  
919-971-3110  
Project: Northridge Elementary School

Donnie Nolf, OWASA Inspector  
Orange Water & Sewer Authority  
400 Jones Ferry Rd  
Carrboro, NC 27510  
[dnolf@owasa.org](mailto:dnolf@owasa.org)  
919.630.1604  
Project: UNC Central Campus Athletic Field  
UNC Surgical Tower

Brad Arthur  
Project Superintendent, Balfour Beatty  
406 S. McDowell Street, Suite 200  
Raleigh, NC 27601  
[barthur@balfourbeattyus.com](mailto:barthur@balfourbeattyus.com)  
919-935-9421  
Project: NCCU Student Center

Jeff Riddle  
Public Services – Construction Manager  
City of Fayetteville  
339 Alexander Street  
Fayetteville, NC 28301-5537  
[jriddle@ci.fay.nc.us](mailto:jriddle@ci.fay.nc.us)  
910-433-1661  
Project: Yadkin Road Area Storm Drain Phase 2

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PO Box 729, Pikeville, NC 27863 Office No. 919.330.1230 Fax No. 919.330.0066

[www.bpcivil.com](http://www.bpcivil.com)  
NC GC License #77634

**BID PROPOSAL**  
**GENERAL CONSTRUCTION**  
**FOR A PORTION OF THE**  
**Middle Creek Greenway Phase 2**  
**STA. 10+00 to STA. 14+92.14 (Mainline) and Spur A**  
**(the "Project")**

**ITEMIZED BID PROPOSAL**

ITEM NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
1	Mobilization	1	LS	\$10,000.00	\$10,000.00
2	Construction Staking	1	LS	\$9,000.00	\$9,000.00
3	As-Builts	1	LS	\$500.00	\$500.00
4	Construction Entrance	2	EA	\$2,500.00	\$5,000.00
5	Combination Silt Fence / Tree Fence	2,000	LF	\$7.25	\$14,500.00
6	Rip Rap 18" Thick Class B w/ Filter Fabric	140	SY	\$43.75	\$6,125.00
7	Rip Rap 12" Thick Class A w/ Filter Fabric	7	SY	\$32.50	\$227.50
8	Slope Matting	975	SY	\$15.30	\$14,917.50
9	Rip-Rap Horse Shoe - inlet protection	3	EA	\$750.00	\$2,250.00
10	Silt fence outlet	9	EA	\$250.00	\$2,250.00
11	Gravel check dam	16	EA	\$325.00	\$5,200.00
12	Gravel Inlet protection	1	EA	\$300.00	\$300.00
13	Erosion Control Maintenance	1	LS	\$15,000.00	\$15,000.00
14	Clearing and Grubbing	1	LS	\$15,000.00	\$15,000.00
15	Seeding and Mulching	1	LS	\$3,000.00	\$3,000.00
16	Comprehensive Grading	1	LS	\$109,000.00	\$109,000.00
17	Segmental Block Retaining Walls	730	SF	\$20.00	\$14,600.00
18	Split Rail Fence	420	LF	\$15.25	\$6,405.00
19	Geotextile Fabric	1,000	SY	\$3.00	\$3,000.00
20	Undercut and backfill allowance (below design grade & incl. disposal off-site)	80	CY	\$75.00	\$6,000.00
21	Yard Inlet 0-6'	1	EA	\$2,200.00	\$2,200.00
22	15" FES	1	EA	\$1,250.00	\$1,250.00
23	18" FES	2	EA	\$1,475.00	\$2,950.00
24	24" FES	2	EA	\$1,712.50	\$3,425.00
25	30" FES	2	EA	\$1,837.50	\$3,675.00
26	15" RCP	28	LF	\$40.00	\$1,120.00
27	18" RCP	17	LF	\$40.50	\$688.50
28	24" RCP	15	LF	\$55.00	\$825.00
29	30" RCP	22	LF	\$82.12	\$1,806.71
30	10' wide 2" Asphalt Greenway & 6" Base Course	925	LF	\$39.21	\$36,267.61
31	10' x 10' x 0.5' (3000 PSI) concrete approach slab	100	SF	\$16.50	\$1,650.00
32	Directional Signage	2	EA	\$1,156.50	\$2,313.00
33	Standard Bollard	2	EA	\$650.00	\$1,300.00
34	Removable Bollard	1	EA	\$950.00	\$950.00
35	3' x 6' Concrete pad for bench/Dog Station	4	SY	\$180.00	\$720.00

<b>TOTAL BID PRICE</b>	<b>\$303,415.82</b>
------------------------	---------------------

**TOTAL BID PRICE IN**

**WORDS: Three Hundred three thousand four hundred fifteen dollars and Eighty Two Cents**

Bidder BridgePoint Civil, LLC (Print)

Contract No. \_\_\_\_\_  
County Wayne

M-4

Rev. 11-1-12

**EXECUTION OF BID  
NON-COLLUSION AFFIDAVIT, DEBARMENT CERTIFICATION AND GIFT BAN CERTIFICATION  
LIMITED LIABILITY COMPANY**

The person executing the bid, on behalf of the Bidder, being duly sworn, solemnly swears (or affirms) that neither he, nor any official, agent or employee of the bidder has entered into any agreement, participated in any collusion, or otherwise taken any action which is in restraint of free competitive bidding in connection with any bid or contract, that the bidder has not been convicted of violating *N.C.G.S. § 133-24* within the last three years, and that the Bidder intends to do the work with its own bonafide employees or subcontractors and is not bidding for the benefit of another contractor.

In addition, execution of this bid in the proper manner also constitutes the Bidder's certification of status under penalty of perjury under the laws of the United States in accordance with the Debarment Certification attached, provided that the Debarment Certification also includes any required statements concerning exceptions that are applicable.

**SIGNATURE OF CONTRACTOR**

BridgePoint Civil, LLC

Full Name of Firm

3733 N US Hwy 117 Goldsboro NC 27530

Address as Prequalified

[Signature]  
Signature of Witness

[Signature]  
Signature of Member/Manager/Authorized Agent  
Select appropriate title

Path King  
Print or type Signer's name

Jeremy Smith  
Print or type Signer's Name

**AFFIDAVIT MUST BE NOTARIZED**

Subscribed and sworn to before me this the

22nd day of October 2019

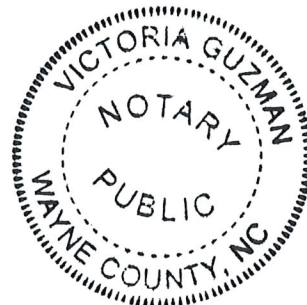
[Signature]  
Signature of Notary Public

of Wayne County

State of North Carolina

My Commission Expires: 5.23.24

**NOTARY SEAL**



**DEBARMENT CERTIFICATION**

## Conditions for certification:

1. The prequalified bidder shall provide immediate written notice to the Municipality if at any time the bidder learns that his certification was erroneous when he submitted his debarment certification or explanation filed with the Municipality, or has become erroneous because of changed circumstances.
2. The terms *covered transaction, debarred, suspended, ineligible, lower tier covered transaction, participant, person, primary covered transaction, principal, proposal, and voluntarily excluded*, as used in this provision, have the meanings set out in the Definitions and Coverage sections of the rules implementing Executive Order 12549. A copy of the Federal Rules requiring this certification and detailing the definitions and coverages may be obtained from the Municipality project representative.
3. The prequalified bidder agrees by submitting this form, that he will not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in Municipal contracts, unless authorized by the Municipality.
4. The prequalified bidder may rely upon a certification of a participant in a lower tier covered transaction that he is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless he knows that the certification is erroneous. The bidder may decide the method and frequency by which he will determine the eligibility of his subcontractors.
5. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this provision. The knowledge and information of a participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.
6. Except as authorized in paragraph 6 herein, the Municipality may terminate any contract if the bidder knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available by the Federal Government.

### DEBARMENT CERTIFICATION

The prequalified bidder certifies to the best of his knowledge and belief, that he and his principals:

- a. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
- b. Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records; making false statements; or receiving stolen property;
- c. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph b. of this certification; and
- d. Have not within a three-year period preceding this proposal had one or more public transactions (Federal, State or local) terminated for cause or default.
- e. Will submit a revised Debarment Certification immediately if his status changes and will show in his bid proposal an explanation for the change in status.

If the prequalified bidder cannot certify that he is not debarred, he shall provide an explanation with this submittal. An explanation will not necessarily result in denial of participation in a contract.

Failure to submit a non-collusion affidavit and debarment certification will result in the prequalified bidder's bid being considered non-responsive.

Check here if an explanation is attached to this certification.



# CERTIFICATE OF LIABILITY INSURANCE

 DATE (MM/DD/YYYY)  
 11/5/2019

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Commercial Lines - 800-868-8834 USI Insurance Services LLC 6100 Fairview Road Charlotte, NC 28210	CONTACT NAME: Amy Bartlett	
	PHONE (A/C, No, Ext): 704-901-8711      FAX (A/C, No): 610-537-1902 E-MAIL ADDRESS: amy.bartlett@usi.com	
INSURED BridgePoint Civil, LLC PO Box 729 Pikeville, NC 27863	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A : Phoenix Insurance Company	25623
	INSURER B : Travelers Property Casualty Co of America	25674
	INSURER C :	
	INSURER D :	
	INSURER E :	

## COVERAGES

CERTIFICATE NUMBER: 14654789

REVISION NUMBER: See below

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:	X		DT-CO-3L918083-PHX-19	10/1/2019	10/1/2020	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
B	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY	X		810-3L70239A-19-26-G	10/1/2019	10/1/2020	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
B	UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 10,000	X		CUP-4L017487-19-26	10/1/2019	10/1/2020	EACH OCCURRENCE \$ 10,000,000 AGGREGATE \$ 10,000,000 \$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		N/A	UB-3L547894-19-26-G	10/1/2019	10/1/2020	PER STATUTE   OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

RE: Middle Creek Greenway PHII Construction

Certificate holder is named as additional insured as it relates to general liability and automobile liability in accordance with the terms and conditions of the policy. Umbrella follows form as it relates to additional insureds. General liability is primary and noncontributory where required by written contract.

Certificate holder is provided 30 day notice of cancellation in accordance with the terms and conditions of the general liability, automobile, workers' compensation, and umbrella/excess liability policies.

## CERTIFICATE HOLDER

## CANCELLATION

 The Town of Apex  
 P.O. Box 250  
 Apex, NC 27502

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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## Request for Taxpayer Identification Number and Certification

**Give Form to the  
 requester. Do not  
 send to the IRS.**

▶ Go to [www.irs.gov/FormW9](http://www.irs.gov/FormW9) for instructions and the latest information.

Print or type.  
See Specific Instructions on page 3.

<b>1</b> Name (as shown on your income tax return). Name is required on this line; do not leave this line blank. BridgePoint Civil, LLC	
<b>2</b> Business name/disregarded entity name, if different from above	
<b>3</b> Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only <b>one</b> of the following seven boxes. <input type="checkbox"/> Individual/sole proprietor or single-member LLC <input type="checkbox"/> C Corporation <input checked="" type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate <input checked="" type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶ _____ <small>Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is <b>not</b> disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.</small> <input type="checkbox"/> Other (see instructions) ▶ _____	<b>4</b> Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) _____ Exemption from FATCA reporting code (if any) _____ <small>(Applies to accounts maintained outside the U.S.)</small>
<b>5</b> Address (number, street, and apt. or suite no.) See instructions. PO Box 729	Requester's name and address (optional)
<b>6</b> City, state, and ZIP code Pikeville, NC 27863	
<b>7</b> List account number(s) here (optional)	

### Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

**Note:** If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

<b>Social security number</b>										
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%; border: 1px solid black;"> </td> <td style="width: 25%; border: 1px solid black;"> </td> <td style="width: 25%; border: 1px solid black;"> </td> <td style="width: 25%; border: 1px solid black;"> </td> </tr> <tr> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> <td colspan="2"></td> </tr> </table>					-	-				
-	-									
<b>or</b>										
<b>Employer identification number</b>										
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 12.5%; border: 1px solid black;">8</td> <td style="width: 12.5%; border: 1px solid black;">1</td> <td style="width: 12.5%; border: 1px solid black;">-</td> <td style="width: 12.5%; border: 1px solid black;">1</td> <td style="width: 12.5%; border: 1px solid black;">5</td> <td style="width: 12.5%; border: 1px solid black;">8</td> <td style="width: 12.5%; border: 1px solid black;">2</td> <td style="width: 12.5%; border: 1px solid black;">0</td> <td style="width: 12.5%; border: 1px solid black;">2</td> <td style="width: 12.5%; border: 1px solid black;">6</td> </tr> </table>	8	1	-	1	5	8	2	0	2	6
8	1	-	1	5	8	2	0	2	6	

### Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

**Certification instructions.** You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

**Sign Here**

Signature of U.S. person ▶

Date ▶ 11.05.19

## General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

**Future developments.** For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to [www.irs.gov/FormW9](http://www.irs.gov/FormW9).

### Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)

- Form 1099-DIV (dividends, including those from stocks or mutual funds)
  - Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
  - Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
  - Form 1099-S (proceeds from real estate transactions)
  - Form 1099-K (merchant card and third party network transactions)
  - Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
  - Form 1099-C (canceled debt)
  - Form 1099-A (acquisition or abandonment of secured property)
- Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

*If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, later.*

# CONSTRUCTION PLANS FOR

# MIDDLE CREEK GREENWAY

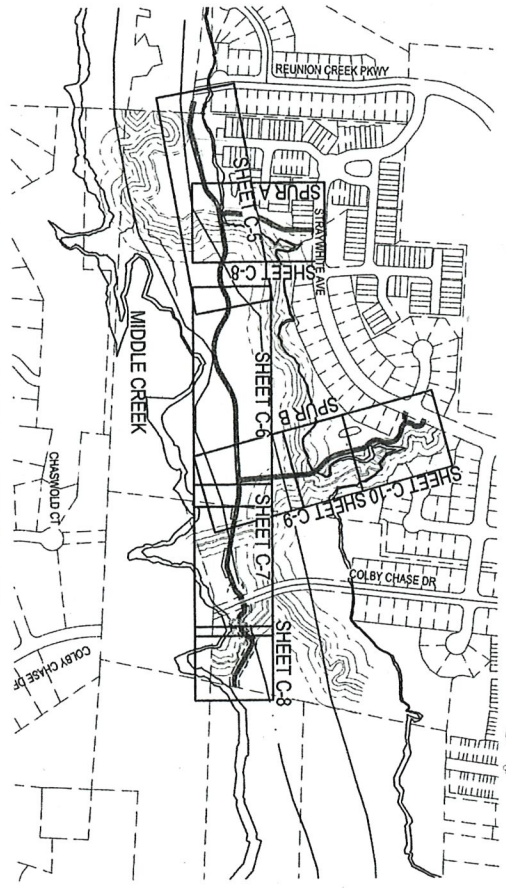
## PHASE 2

**APEX, NORTH CAROLINA**  
**CONSTRUCTION PLAN SUBMITTAL: SEPTEMBER 4, 2018**  
**FIRST SUBMITTAL: NOVEMBER 9, 2018**  
**RESUBMITTAL: NOVEMBER 9, 2018**  
**CONSTRUCTION PLAN SUBMITTAL: JANUARY 2, 2019**  
**LAND QUALITY FIRST SUBMITTAL: MARCH 6, 2019**  
**LAND QUALITY FINAL SUBMITTAL: JUNE 5, 2019**  
**FINAL CONSTRUCTION PLAN SUBMITTAL: JUNE 17, 2019**

### SITE DATA

PROJECT ADDRESS:	66 WILMERS ST. COAST CHASE DR
PROJECT COORDINATES:	LOT: 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

**GENERAL NOTES:**  
 1. THE PROJECT IS SUBJECT TO THE APPLICABLE ZONING REGULATIONS AND ORDINANCES OF THE TOWN OF APEX, NORTH CAROLINA.  
 2. THE PROJECT IS SUBJECT TO THE APPLICABLE SUBDIVISION MAP ACT AND THE APPLICABLE SUBDIVISION MAP ACT REGULATIONS.  
 3. THE PROJECT IS SUBJECT TO THE APPLICABLE ENVIRONMENTAL REGULATIONS AND ORDINANCES OF THE TOWN OF APEX, NORTH CAROLINA.  
 4. THE PROJECT IS SUBJECT TO THE APPLICABLE UTILITIES REGULATIONS AND ORDINANCES OF THE TOWN OF APEX, NORTH CAROLINA.  
 5. THE PROJECT IS SUBJECT TO THE APPLICABLE TRANSPORTATION REGULATIONS AND ORDINANCES OF THE TOWN OF APEX, NORTH CAROLINA.  
 6. THE PROJECT IS SUBJECT TO THE APPLICABLE LAND QUALITY REGULATIONS AND ORDINANCES OF THE TOWN OF APEX, NORTH CAROLINA.  
 7. THE PROJECT IS SUBJECT TO THE APPLICABLE CONSTRUCTION REGULATIONS AND ORDINANCES OF THE TOWN OF APEX, NORTH CAROLINA.  
 8. THE PROJECT IS SUBJECT TO THE APPLICABLE FINANCIAL REGULATIONS AND ORDINANCES OF THE TOWN OF APEX, NORTH CAROLINA.  
 9. THE PROJECT IS SUBJECT TO THE APPLICABLE LEGAL REGULATIONS AND ORDINANCES OF THE TOWN OF APEX, NORTH CAROLINA.  
 10. THE PROJECT IS SUBJECT TO THE APPLICABLE OTHER REGULATIONS AND ORDINANCES OF THE TOWN OF APEX, NORTH CAROLINA.



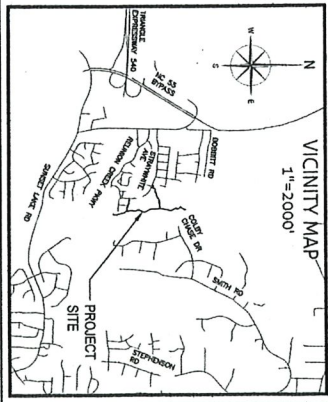
#### PUBLIC INFRASTRUCTURE TABLE

ITEM	DESCRIPTION	DATE
1	UTILITIES	01/15/19
2	ROADS	01/15/19
3	WATER	01/15/19
4	SEWER	01/15/19
5	STORMWATER	01/15/19
6	LAND QUALITY	01/15/19
7	CONSTRUCTION	01/15/19
8	FINANCIAL	01/15/19
9	LEGAL	01/15/19
10	OTHER	01/15/19

**LINEAR PROJECT STORMWATER MANAGEMENT NOTE**  
 THIS PROJECT MEETS THE REQUIREMENTS OF THE APPLICABLE SUBDIVISION MAP ACT AND THE APPLICABLE SUBDIVISION MAP ACT REGULATIONS. THE PROJECT IS SUBJECT TO THE APPLICABLE ENVIRONMENTAL REGULATIONS AND ORDINANCES OF THE TOWN OF APEX, NORTH CAROLINA. THE PROJECT IS SUBJECT TO THE APPLICABLE UTILITIES REGULATIONS AND ORDINANCES OF THE TOWN OF APEX, NORTH CAROLINA. THE PROJECT IS SUBJECT TO THE APPLICABLE TRANSPORTATION REGULATIONS AND ORDINANCES OF THE TOWN OF APEX, NORTH CAROLINA. THE PROJECT IS SUBJECT TO THE APPLICABLE LAND QUALITY REGULATIONS AND ORDINANCES OF THE TOWN OF APEX, NORTH CAROLINA. THE PROJECT IS SUBJECT TO THE APPLICABLE CONSTRUCTION REGULATIONS AND ORDINANCES OF THE TOWN OF APEX, NORTH CAROLINA. THE PROJECT IS SUBJECT TO THE APPLICABLE FINANCIAL REGULATIONS AND ORDINANCES OF THE TOWN OF APEX, NORTH CAROLINA. THE PROJECT IS SUBJECT TO THE APPLICABLE LEGAL REGULATIONS AND ORDINANCES OF THE TOWN OF APEX, NORTH CAROLINA. THE PROJECT IS SUBJECT TO THE APPLICABLE OTHER REGULATIONS AND ORDINANCES OF THE TOWN OF APEX, NORTH CAROLINA.

**PREPARED BY:**  
  
**WithersRavenel**  
 Engineers | Planners | Surveyors  
 115 Mackleham Drive | Cary, NC 27511 | 919.469.3500 | License #: C-9892 | www.withersravenel.com

**DEVELOPER/OWNER:**  
 TOWN OF APEX  
 73 HUNTER STREET  
 APEX, NC 27502  
 919-249-3400  
 ATTN: ANDELA BENOICE



### INDEX OF SHEETS

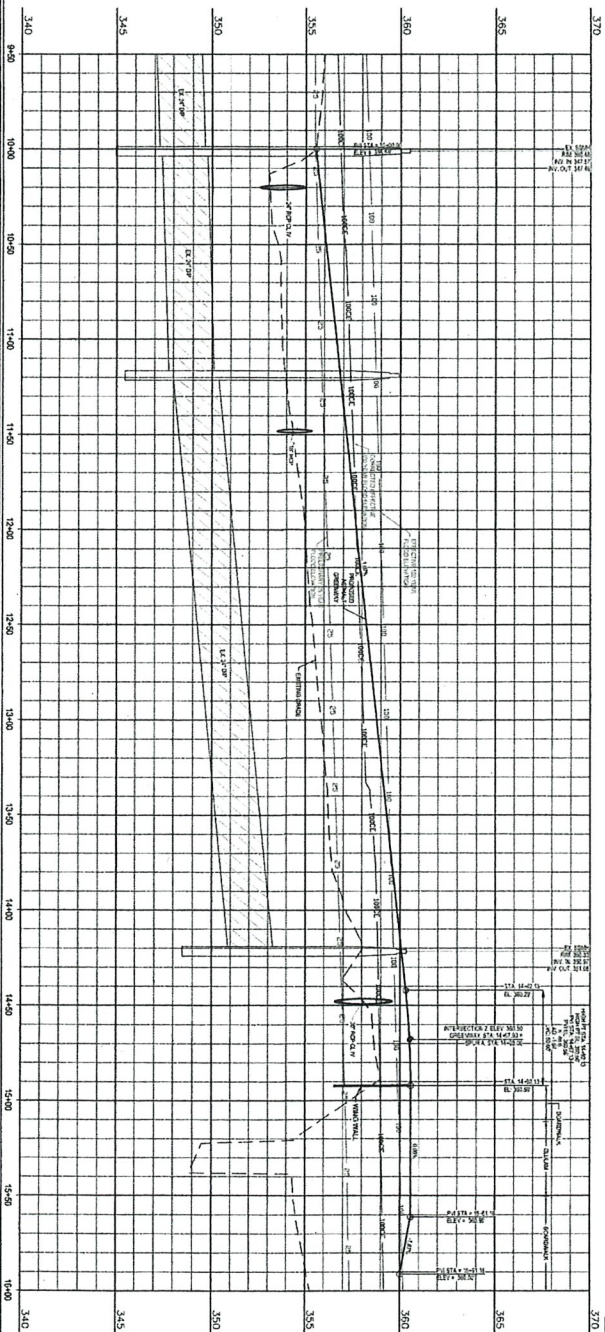
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02	GENERAL NOTE
03	EXISTING CONDITIONS
04	PROPOSED CONDITIONS
05	PROPOSED CONDITIONS
06	PROPOSED CONDITIONS
07	PROPOSED CONDITIONS
08	PROPOSED CONDITIONS
09	PROPOSED CONDITIONS
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100	PROPOSED CONDITIONS



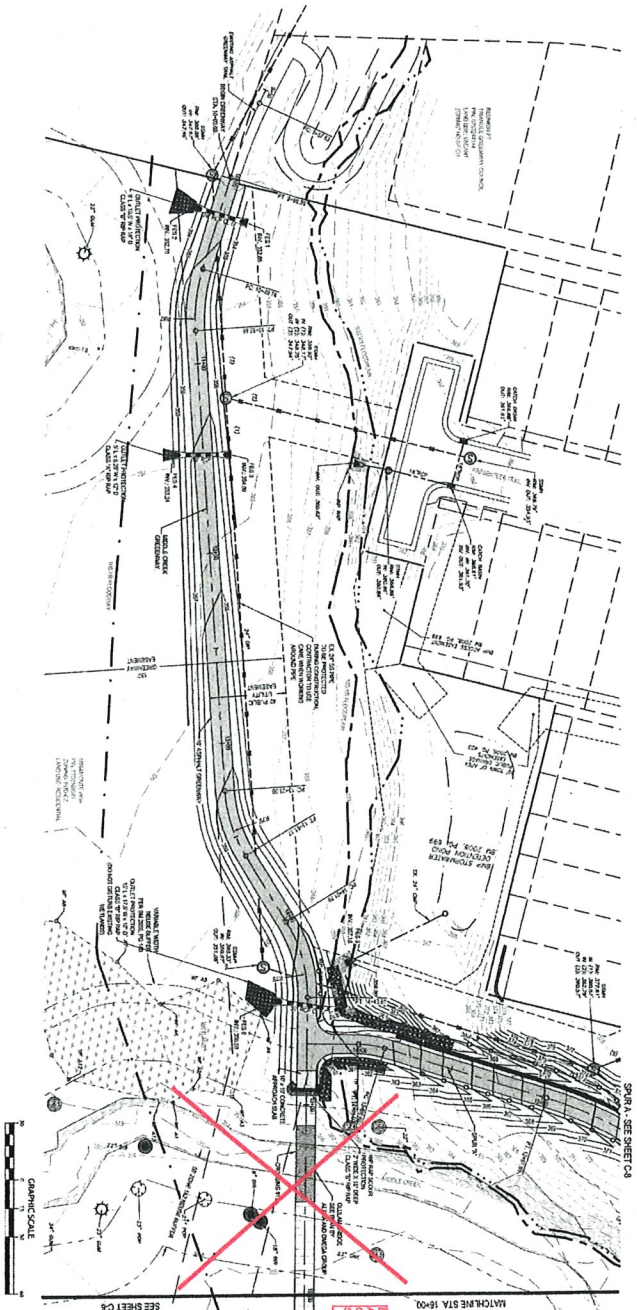








GREENWAY



DATE: 11/11/19

SCALE: 1" = 20' HORIZ. 1" = 2' VERT.

DESIGNED BY	DATE	PROJECT	SCALE
BY	DATE	PROJECT	SCALE
CHECKED BY	DATE	PROJECT	SCALE
DATE	DATE	PROJECT	SCALE

DO NOT INCLUDE ANYTHING BEYOND DRAWING LIMITS.



**C-5**

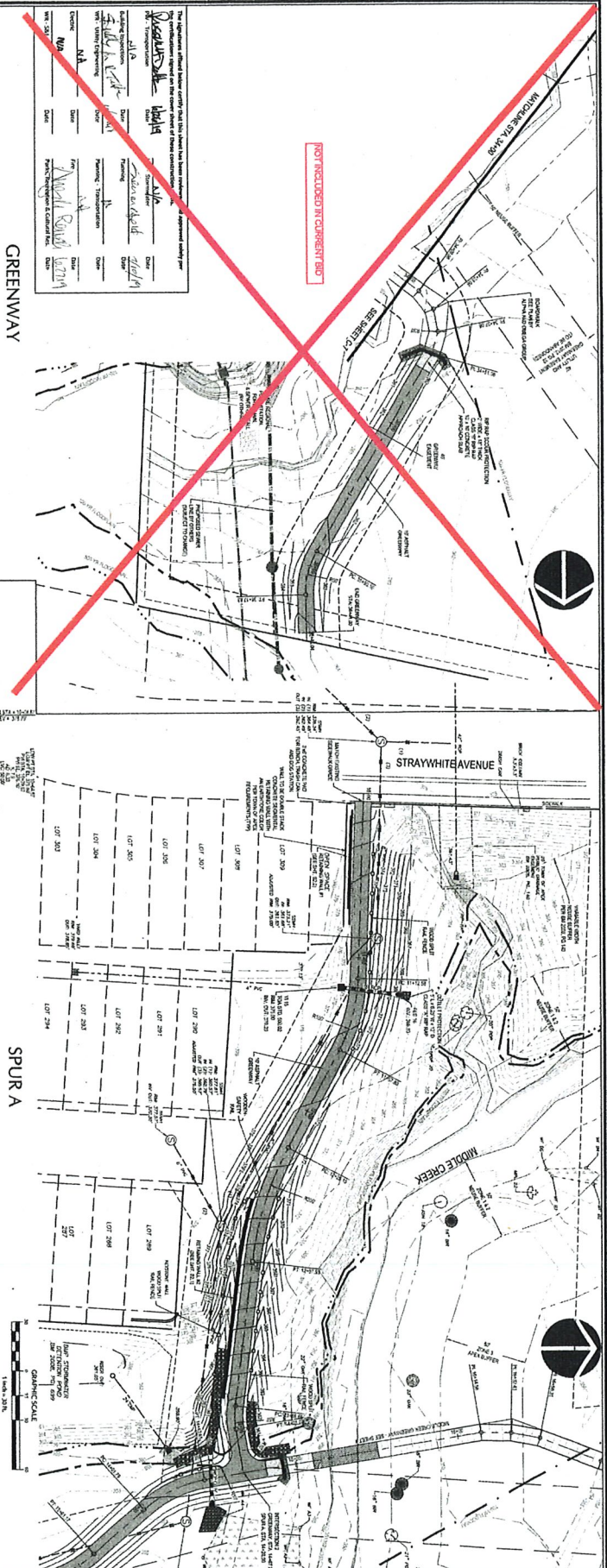
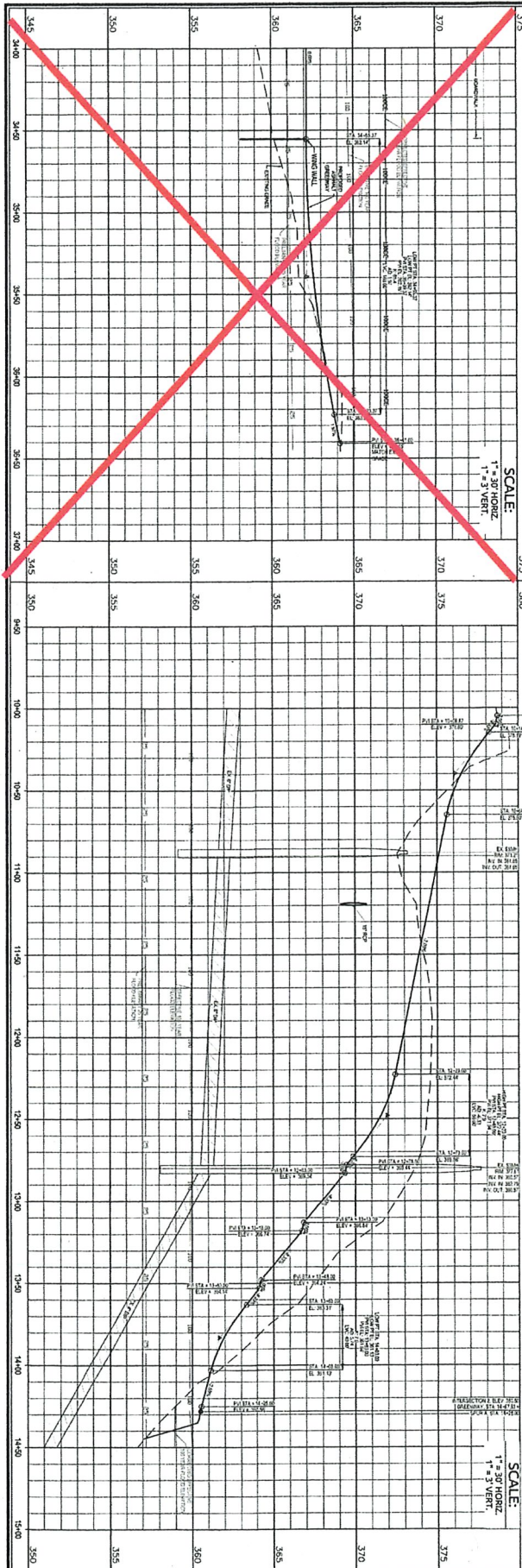
**GREENWAY**  
10+00 - 16+00  
PLAN PROFILE

**MIDDLE CREEK GREENWAY**  
PHASE 2

APEX, NC

**WithersRavenel**  
Engineers | Planners | Surveyors

1113 MacKinnon Drive | Cary, NC 27513 | L: 919.479.3342 | F: 919.479.3343 | www.withersravenel.com



NOT INCLUDED IN CURRENT BID

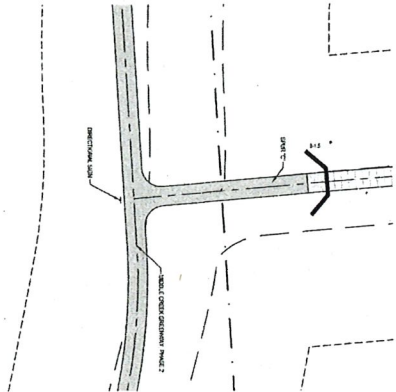
The information contained herein is for informational purposes only and does not constitute a contract. The information is provided for your information only and does not constitute a contract. The information is provided for your information only and does not constitute a contract.

Project: GREENWAY & SPUR A  
 Date: 08/23/2011  
 Drawn By: [Signature]  
 Checked By: [Signature]  
 Scale: 1" = 30' HORIZ.  
 1" = 3' VERT.

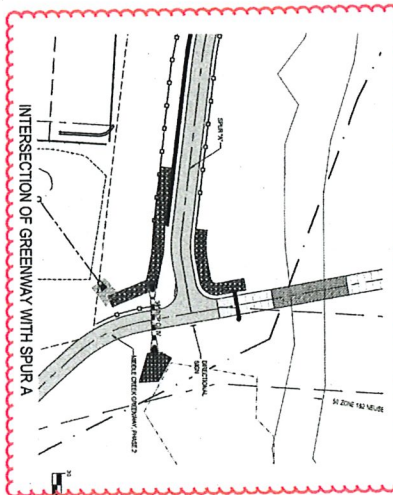
<p>C-8</p>		<p><b>GREENWAY 34+00 - 36+41 &amp; SPUR A PLAN PROFILE</b></p>	<p><b>MIDDLE CREEK GREENWAY PHASE 2</b></p> <p>APEX, NC</p>	<p><b>WithersRavenel</b> Engineers   Planners   Surveyors</p> <p>115 MacKinnon Drive   Cary, NC 27511   919.481.2342   www.wit-rav.com</p>
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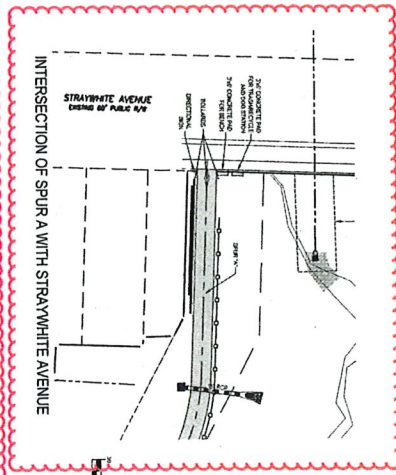
INTERSECTION OF GREENWAY WITH SPUR B



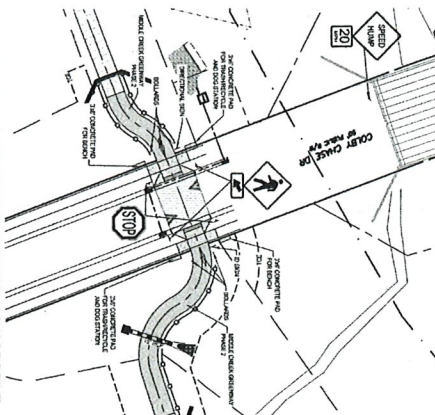
INTERSECTION OF GREENWAY WITH SPUR A



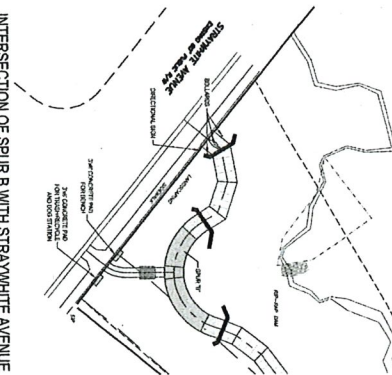
INTERSECTION OF SPUR A WITH STRAYWHITE AVENUE



INTERSECTION OF GREENWAY WITH COLBY CHASE DRIVE



INTERSECTION OF SPUR B WITH STRAYWHITE AVENUE



The information furnished herein certifies that the work has been reviewed and approved as shown. Any modifications required are the client's responsibility.

DATE	12/14/16	DATE	12/14/16
BY	M.A.	BY	M.A.
PROJECT	TRAIL MARKING AND SIGNAGE PLAN	PROJECT	TRAIL MARKING AND SIGNAGE PLAN
CLIENT	WILSON	CLIENT	WILSON
SCALE	AS SHOWN	SCALE	AS SHOWN

C-11

NO.	DATE	DESCRIPTION
1	12/14/16	ISSUED FOR PERMITTING
2	12/14/16	ISSUED FOR CONSTRUCTION
3	12/14/16	ISSUED FOR RECORD
4	12/14/16	ISSUED FOR ARCHIVE



TRAIL MARKING AND SIGNAGE PLAN

MIDDLE CREEK GREENWAY PHASE 2

APEX, NC



115 MacKinnon Drive | Cary, NC 27513 | (919) 469-2500 | Email: B. C. 01/12 | www.withersravenel.com

**TOWN OF APEX STANDARDS 2007**

**GREENWAY SECTIONS**

SHEET NO. 200.03  
SHEET OF 1

NOTE: GREENWAY SECTIONS SHALL BE SET BY THE USER AND APPROVED BY THE TOWN OF APEX COMMUNICATIONS MANAGEMENT DEPARTMENT.

- ALL CONCRETE SHALL BE FINISHED WITH CHAMFERED EDGES.
- ALL JOINTS SHALL BE PRESURE TREATED AND FINISHED FOR GREENWAY CONTACT.
- EXPANSION JOINTS SHALL BE SET AT 10' INTERVALS.
- EXPANSION JOINTS SHALL BE SET AT 10' INTERVALS.

**TOWN OF APEX STANDARDS 2007**

**GREENWAY SIGNAGE**

SHEET NO. 200.06  
SHEET OF 1

NOTE: SIGNS SHALL BE 1" THICK ALUMINUM PANEL MOUNTED TO POSTS.

**TOWN OF APEX STANDARDS 2007**

**CONCRETE SIDEWALK**

SHEET NO. 300.08  
SHEET OF 1

NOTE: TRANSVERSE EXPANSION JOINTS SHALL BE CONCRETE OR WOODWORK.

- ALL CONCRETE SHALL BE FINISHED WITH CHAMFERED EDGES.
- ALL JOINTS SHALL BE PRESURE TREATED AND FINISHED FOR GREENWAY CONTACT.
- EXPANSION JOINTS SHALL BE SET AT 10' INTERVALS.
- EXPANSION JOINTS SHALL BE SET AT 10' INTERVALS.

**TOWN OF APEX STANDARDS 2007**

**CURB RAMP**

SHEET NO. 300.09  
SHEET OF 1

NOTE: CURB RAMP SHALL BE SET BY THE USER AND APPROVED BY THE TOWN OF APEX COMMUNICATIONS MANAGEMENT DEPARTMENT.

- ALL CONCRETE SHALL BE FINISHED WITH CHAMFERED EDGES.
- ALL JOINTS SHALL BE PRESURE TREATED AND FINISHED FOR GREENWAY CONTACT.
- EXPANSION JOINTS SHALL BE SET AT 10' INTERVALS.
- EXPANSION JOINTS SHALL BE SET AT 10' INTERVALS.

**ENGLISH DETAIL DRAWING FOR CONCRETE STEPS WITH HANDRAIL**

STATE OF NORTH CAROLINA  
DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH, N. C.

SHEET 1 OF 1  
844D01

CUBIC YARDS IN STANDARD CONCRETE STEPS					
NO. OF STEPS	4" WIDE	5" WIDE	6" WIDE	7" WIDE	8" WIDE
1	0.4	0.5	0.6	0.8	1.0
2	0.8	1.0	1.2	1.6	2.0
3	1.2	1.5	1.8	2.4	3.0
4	1.6	2.0	2.4	3.2	4.0
5	2.0	2.5	3.0	4.0	5.0
6	2.4	3.0	3.6	4.8	6.0
7	2.8	3.5	4.2	5.6	7.0
8	3.2	4.0	4.8	6.4	8.0
9	3.6	4.5	5.4	7.2	9.0
10	4.0	5.0	6.0	8.0	10.0
ADDITIONAL STEP	0.2	0.2	0.2	0.3	0.3

**TOWN OF APEX STANDARDS 2007**

**STANDARD 2,000 LB BOARDWALK APPROACH**

The information contained herein was prepared by the author and is not intended to be used for any other purpose without the express written consent of the author.

Author	Checked	Date	Project
W. R. RAY	M. J.	11/19/13	844D01
W. R. RAY	M. J.	11/19/13	844D01
W. R. RAY	M. J.	11/19/13	844D01
W. R. RAY	M. J.	11/19/13	844D01

**C-12**

1. MIDDLE CREEK GREENWAY PHASE 2  
2. CONCRETE SIDEWALK  
3. CONCRETE CURB RAMP  
4. CONCRETE STEPS WITH HANDRAIL

**DETAILS**

MIDDLE CREEK GREENWAY PHASE 2  
APEX, NC

**WithersRavenel**  
Engineers | Planners | Surveyors

115 Markham Drive | Cary, NC 27511 | (919) 499-2340 | (919) 499-2342 | www.withersravenel.com

**TOWN OF APEX STANDARDS**

**GREENWAY SECTIONS**

EDD NO. 200.03  
SHEET 1 OF 1

**NOTE:**  
1. ALL CONDITIONS & SIZES OF SPREAD SHALL BE VERIFIED AND APPROVED BY THE TOWN OF APEX.  
2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE TOWN OF APEX STANDARDS.  
3. ALL MATERIALS SHALL BE PROVED, TESTED AND BATED FOR GREENWAY CONTACT.  
4. DIMENSIONS SHALL BE IN FEET AND INCHES.

**TOWN OF APEX STANDARDS**

**GREENWAY SIGNAGE**

EDD NO. 200.06  
SHEET 1 OF 1

**NOTE:**  
1. ALL SIGNAGE SHALL BE 1/2" THICK ALUMINUM PANEL MOUNTED TO POSTS.  
2. ALL SIGNAGE SHALL BE 1/2" THICK ALUMINUM PANEL MOUNTED TO POSTS.

**TOWN OF APEX STANDARDS**

**CONCRETE SIDEWALK**

EDD NO. 300.06  
SHEET 1 OF 1

**NOTE:**  
1. CONSTRUCTION JOINTS SHALL BE SPACED AT MAXIMUM 10' ON CENTER.  
2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE TOWN OF APEX STANDARDS.  
3. ALL CONCRETE SHALL BE PROVED, TESTED AND BATED FOR GREENWAY CONTACT.  
4. DIMENSIONS SHALL BE IN FEET AND INCHES.

**TOWN OF APEX STANDARDS**

**CURE RAMP**

EDD NO. 300.09  
SHEET 1 OF 1

**NOTE:**  
1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE TOWN OF APEX STANDARDS.  
2. ALL MATERIALS SHALL BE PROVED, TESTED AND BATED FOR GREENWAY CONTACT.  
3. DIMENSIONS SHALL BE IN FEET AND INCHES.

**TOWN OF APEX STANDARDS**

**STANDARD 5000 LB BOARDWALK APPROACH**

**ENGLISH DETAIL DRAWING FOR CONCRETE STEPS WITH HANDRAIL**

STATE OF NORTH CAROLINA  
DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH, N.C.

EDD NO. 844D01  
SHEET 1 OF 1

**GENERAL NOTES:**  
1. CONCRETE SHALL BE 4000 PSI STRENGTH WITH 4% AIR ENTRAINMENT.  
2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE TOWN OF APEX STANDARDS.  
3. ALL MATERIALS SHALL BE PROVED, TESTED AND BATED FOR GREENWAY CONTACT.  
4. DIMENSIONS SHALL BE IN FEET AND INCHES.

NO. OF STEPS	4" WIDE	5" WIDE	6" WIDE	7" WIDE	8" WIDE	9" WIDE	10" WIDE
1	0.4	0.5	0.6	0.7	0.8	0.9	1.0
2	0.8	1.0	1.2	1.4	1.6	1.8	2.0
3	1.2	1.5	1.8	2.1	2.4	2.7	3.0
4	1.6	2.0	2.4	2.8	3.2	3.6	4.0
5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
6	2.4	3.0	3.6	4.2	4.8	5.4	6.0
7	2.8	3.5	4.2	4.9	5.6	6.3	7.0
8	3.2	4.0	4.8	5.6	6.4	7.2	8.0
9	3.6	4.5	5.4	6.3	7.2	8.1	9.0
10	4.0	5.0	6.0	7.0	8.0	9.0	10.0

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**PROJECT:** MIDDLE CREEK GREENWAY PHASE 2

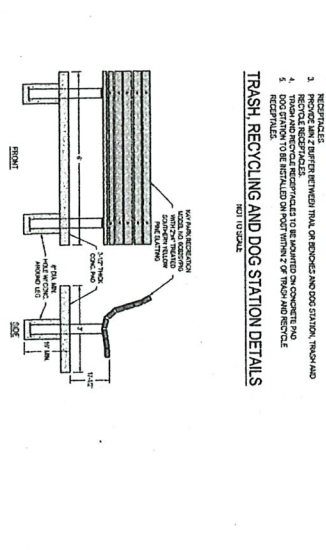
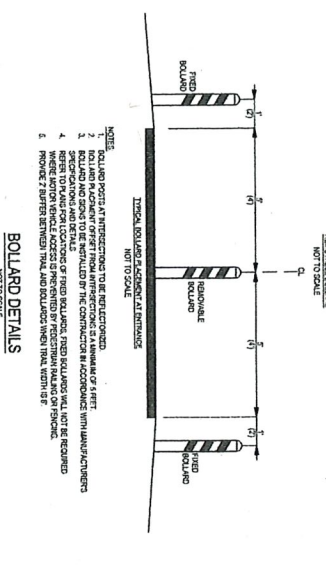
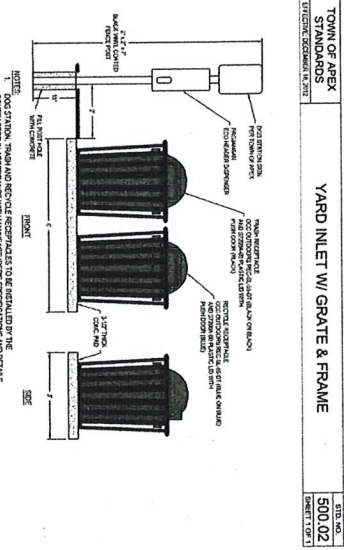
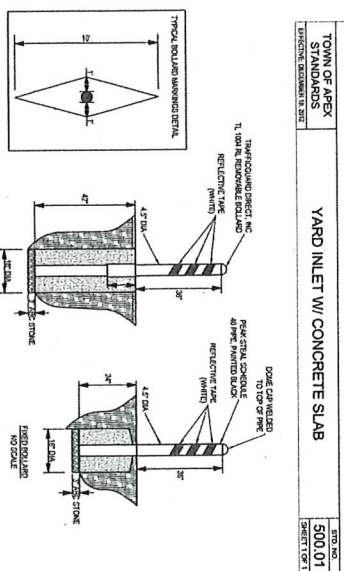
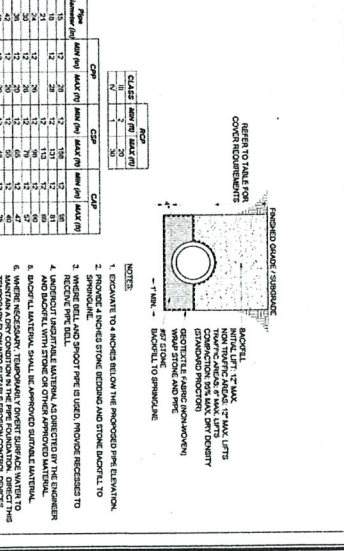
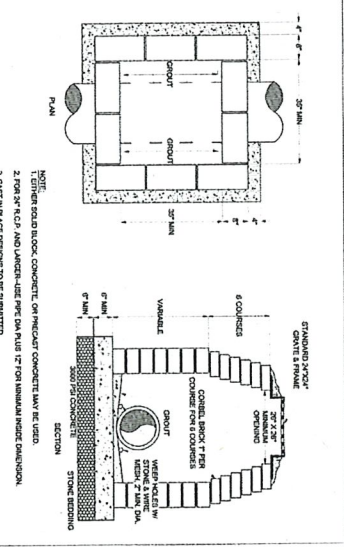
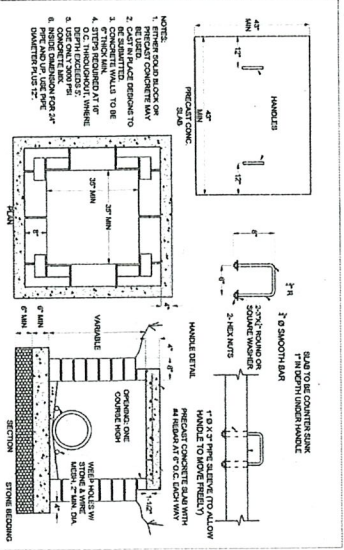
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**SCALE:** AS SHOWN

**DESIGNED BY:** [Signature]

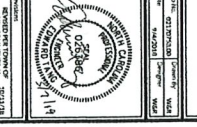
**CHECKED BY:** [Signature]

**DATE:** 11/17/2017



DATE	DATE	DATE	DATE
DESIGNED BY	CHECKED BY	APPROVED BY	DATE
DATE	DATE	DATE	DATE

**C-14**



**TOWN OF APEX**

1. APPROVED BY TOWN OF APEX  
2. APPROVED BY TOWN OF APEX  
3. APPROVED BY TOWN OF APEX  
4. APPROVED BY TOWN OF APEX

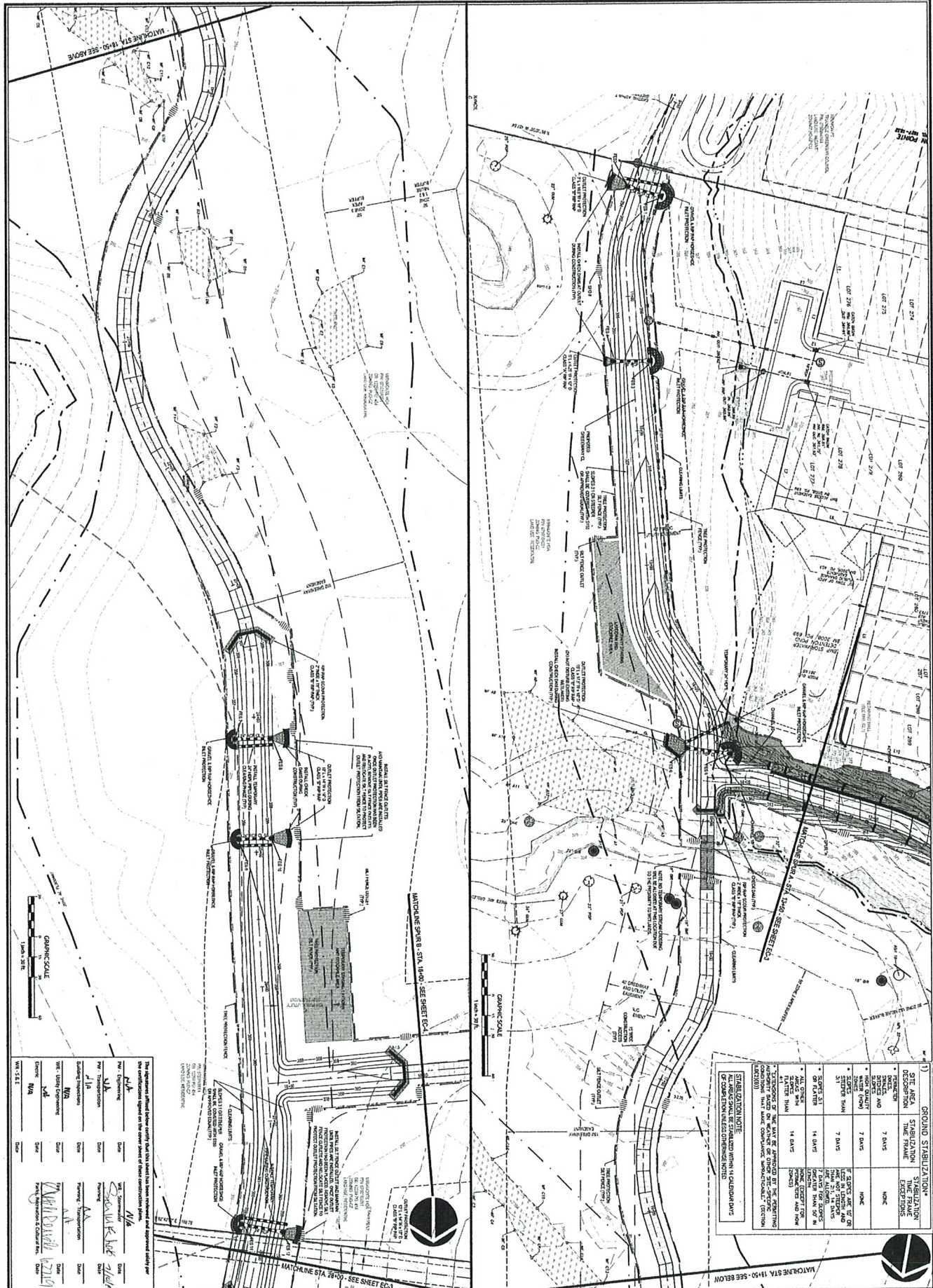
**MIDDLE CREEK GREENWAY PHASE 2**

APEX, NC

**WithersRavenel**  
Engineers | Planners | Surveyors

115 Parkhaven Drive | Cary, NC 27511 | (919) 469-2342 | License P-C-6432 | www.withersravenel.com





(1) SITE AREA DESCRIPTION	STABILIZATION TIME FRAME	STABILIZATION EXCEPTIONS
ROCK	7 DAYS	NONE
NON QUALITY ROCK (NON S1)	7 DAYS	NONE
GRAVEL	7 DAYS	EXCEPTIONS FOR GRAVEL ARE NOT APPLICABLE TO THIS PROJECT
VEGETATION	14 DAYS	NONE
VEGETATION (NON S1)	14 DAYS	NONE

STABILIZATION NOTES:  
 ALL ROADS SHOULD BE STABILIZED WITHIN 14 CALENDAR DAYS OF COMPLETION UNLESS OTHERWISE NOTED.  
 \* 75% OF THE MAT OF GRASS AT THE EROSION CONTROL STRUCTURE SHOULD BE ESTABLISHED WITHIN 14 CALENDAR DAYS OF COMPLETION UNLESS OTHERWISE NOTED.  
 \*\* 75% OF THE MAT OF GRASS AT THE EROSION CONTROL STRUCTURE SHOULD BE ESTABLISHED WITHIN 14 CALENDAR DAYS OF COMPLETION UNLESS OTHERWISE NOTED.

PREPARED BY	DATE	DESIGNED BY	DATE
CHKD BY	DATE	DRWN BY	DATE
APP'D BY	DATE	PROJ. MGR.	DATE
DATE	DATE	DATE	DATE

THE ENGINEER AND/OR DESIGNER CERTIFY THAT THIS DRAWING HAS BEEN PREPARED AND APPROVED AND THAT THE VERIFICATION REQUIRED BY THE OWNER HAS BEEN COMPLETED.

PROJECT NO. **EC-2**

**GREENWAY 9+00 - 28+00  
EROSION CONTROL**

**MIDDLE CREEK GREENWAY  
PHASE 2**

**WithersRavenel**  
Engineers | Planners | Surveyors

1. PREPARED BY: [Name]

2. CHECKED BY: [Name]

3. DESIGNED BY: [Name]

4. DRAWN BY: [Name]

5. DATE: [Date]

APEX, NC

1118 McKean Drive | Cary, NC 27511 | 919.439.2340 | krc@wr.com | www.wr.com

**TOWN OF APEX STANDARDS**  
 DIVISION: EROSION CONTROL  
 SHEET NO. 400.01  
 SHEET OF 1

**TEMPORARY SILT FENCE**

**NOTES:**

- USE 1/2" RADIUS CURVE WHEN EXCESSIVE LOSSES ARE NOT IN FLOW.
- THROWING STONES NEED TO BE AVOIDED.
- MAINTAIN THE SILT FENCE AROUND THE PERIMETER OF THE DISTURBED AREA. ALL SILT FENCES MUST HAVE A MINIMUM 4' HIGH STONE WALL FROM THE FENCE HYDRANT.
- USE 4" DIA. WASHED STONE FOR HYDRANT. ALL SILT FENCES MUST BE DIRECTED BY ENGINEER.

**INSTALLATION NOTES:**

- SEE PLAN FOR LOCATION OF STRUCTURES.
- USE 4" DIA. WASHED STONE FOR HYDRANT.
- USE 4" DIA. WASHED STONE FOR APRON.
- USE 4" DIA. WASHED STONE FOR HYDRANT.
- USE 4" DIA. WASHED STONE FOR APRON.

**TOWN OF APEX STANDARDS**  
 DIVISION: EROSION CONTROL  
 SHEET NO. 400.05  
 SHEET OF 1

**CHECK DAM**

**NOTES:**

- CONSTRUCT CHECK DAMS AT THE DOWN-SLOPE END OF DISTURBED AREAS.
- CONSTRUCT CHECK DAMS AT THE DOWN-SLOPE END OF DISTURBED AREAS.
- CONSTRUCT CHECK DAMS AT THE DOWN-SLOPE END OF DISTURBED AREAS.

**TOWN OF APEX STANDARDS**  
 DIVISION: EROSION CONTROL  
 SHEET NO. 400.11  
 SHEET OF 2

**TEMPORARY STREAM CROSSING**

**INSTALLATION NOTES:**

- SEE PLAN FOR LOCATION OF STRUCTURES.
- USE 4" DIA. WASHED STONE FOR HYDRANT.
- USE 4" DIA. WASHED STONE FOR APRON.
- USE 4" DIA. WASHED STONE FOR HYDRANT.
- USE 4" DIA. WASHED STONE FOR APRON.

**TOWN OF APEX STANDARDS**  
 DIVISION: EROSION CONTROL  
 SHEET NO. 400.02  
 SHEET OF 1

**TEMPORARY SILT FENCE OUTLET**

**NOTES:**

- USE 1/2" RADIUS CURVE WHEN EXCESSIVE LOSSES ARE NOT IN FLOW.
- THROWING STONES NEED TO BE AVOIDED.
- MAINTAIN THE SILT FENCE AROUND THE PERIMETER OF THE DISTURBED AREA. ALL SILT FENCES MUST HAVE A MINIMUM 4' HIGH STONE WALL FROM THE FENCE HYDRANT.
- USE 4" DIA. WASHED STONE FOR HYDRANT. ALL SILT FENCES MUST BE DIRECTED BY ENGINEER.

**TOWN OF APEX STANDARDS**  
 DIVISION: EROSION CONTROL  
 SHEET NO. 400.06  
 SHEET OF 2

**CONSTRUCTION ENTRANCE**

**NOTES:**

- CONSTRUCT CONSTRUCTION ENTRANCES AT THE DOWN-SLOPE END OF DISTURBED AREAS.
- CONSTRUCT CONSTRUCTION ENTRANCES AT THE DOWN-SLOPE END OF DISTURBED AREAS.
- CONSTRUCT CONSTRUCTION ENTRANCES AT THE DOWN-SLOPE END OF DISTURBED AREAS.

**TOWN OF APEX STANDARDS**  
 DIVISION: EROSION CONTROL  
 SHEET NO. 400.15  
 SHEET OF 1

**RIP RAP LINED CHANNELS**

**NOTES:**

- TO BE USED WHERE EXCESSIVE EROSION OCCURS.
- TO BE USED WHERE EXCESSIVE EROSION OCCURS.
- TO BE USED WHERE EXCESSIVE EROSION OCCURS.

**TOWN OF APEX STANDARDS**  
 DIVISION: EROSION CONTROL  
 SHEET NO. 400.04  
 SHEET OF 1

**CATCH BASIN & YARD INLET PROTECTION**

**NOTES:**

- CONSTRUCT CATCH BASINS AT THE DOWN-SLOPE END OF DISTURBED AREAS.
- CONSTRUCT CATCH BASINS AT THE DOWN-SLOPE END OF DISTURBED AREAS.
- CONSTRUCT CATCH BASINS AT THE DOWN-SLOPE END OF DISTURBED AREAS.

**TOWN OF APEX STANDARDS**  
 DIVISION: EROSION CONTROL  
 SHEET NO. 400.10  
 SHEET OF 1

**PIPE INLET PROTECTION (PLYWOOD & STONE)**

**NOTES:**

- CONSTRUCT PIPE INLET PROTECTION AT THE DOWN-SLOPE END OF DISTURBED AREAS.
- CONSTRUCT PIPE INLET PROTECTION AT THE DOWN-SLOPE END OF DISTURBED AREAS.
- CONSTRUCT PIPE INLET PROTECTION AT THE DOWN-SLOPE END OF DISTURBED AREAS.

**TOWN OF APEX STANDARDS**  
 DIVISION: EROSION CONTROL  
 SHEET NO. 400.11  
 SHEET OF 2

**TEMPORARY STREAM CROSSING**

**INSTALLATION NOTES:**

- SEE PLAN FOR LOCATION OF STRUCTURES.
- USE 4" DIA. WASHED STONE FOR HYDRANT.
- USE 4" DIA. WASHED STONE FOR APRON.
- USE 4" DIA. WASHED STONE FOR HYDRANT.
- USE 4" DIA. WASHED STONE FOR APRON.

DATE	BY	CHKD	APP'D
11/17/16	W. J. [Signature]	W. J. [Signature]	W. J. [Signature]
11/17/16	W. J. [Signature]	W. J. [Signature]	W. J. [Signature]
11/17/16	W. J. [Signature]	W. J. [Signature]	W. J. [Signature]
11/17/16	W. J. [Signature]	W. J. [Signature]	W. J. [Signature]
11/17/16	W. J. [Signature]	W. J. [Signature]	W. J. [Signature]
11/17/16	W. J. [Signature]	W. J. [Signature]	W. J. [Signature]
11/17/16	W. J. [Signature]	W. J. [Signature]	W. J. [Signature]
11/17/16	W. J. [Signature]	W. J. [Signature]	W. J. [Signature]
11/17/16	W. J. [Signature]	W. J. [Signature]	W. J. [Signature]

**EC-5**

1. APPROVED BY THE TOWN OF APEX  
 2. APPROVED BY THE TOWN OF APEX  
 3. APPROVED BY THE TOWN OF APEX  
 4. APPROVED BY THE TOWN OF APEX  
 5. APPROVED BY THE TOWN OF APEX

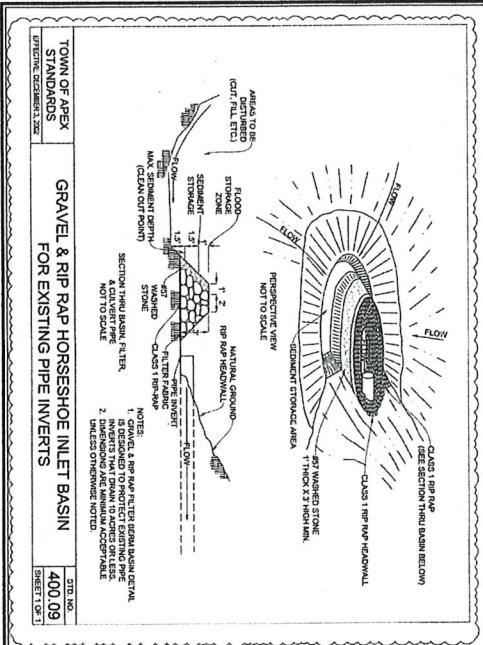
**EROSION CONTROL DETAILS**

MIDDLE CREEK GREENWAY PHASE 2

APEX, NC

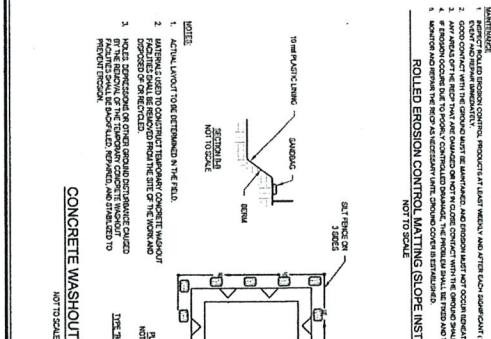
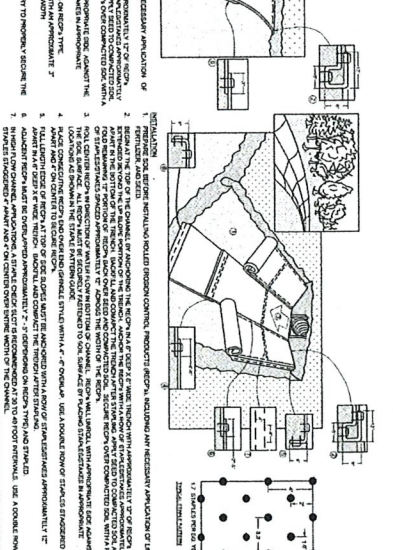
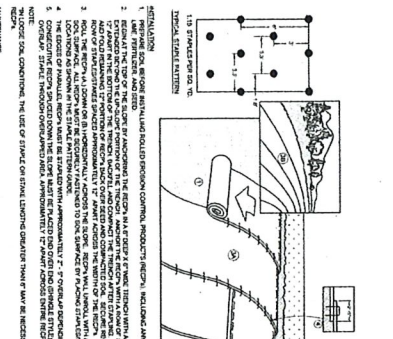
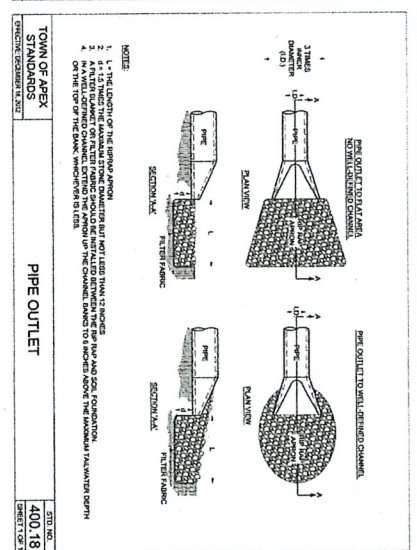
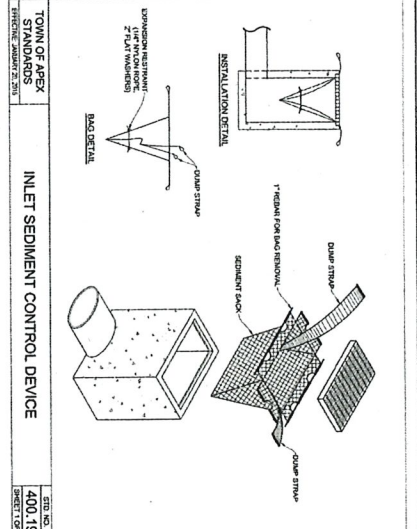
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115 Mackay Drive | Cary, NC 27511 | P: 919 417 3300 | I: 919 417 3301 | www.withersravenel.com



**TABLE 1: ROLLER EROSION CONTROL PRODUCTS**

PROPERTY / FUNCTIONAL	TEST METHOD	LA	LB	LC	LD	LE	LF	LG	LH	LI
MINIMUM FLOW RATE	LA	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
MINIMUM FLOW RATE	LB	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
MINIMUM FLOW RATE	LC	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
MINIMUM FLOW RATE	LD	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
MINIMUM FLOW RATE	LE	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
MINIMUM FLOW RATE	LF	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
MINIMUM FLOW RATE	LG	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
MINIMUM FLOW RATE	LH	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
MINIMUM FLOW RATE	LI	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
MINIMUM FLOW RATE	LA	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
MINIMUM FLOW RATE	LB	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
MINIMUM FLOW RATE	LC	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
MINIMUM FLOW RATE	LD	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
MINIMUM FLOW RATE	LE	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
MINIMUM FLOW RATE	LF	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
MINIMUM FLOW RATE	LG	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
MINIMUM FLOW RATE	LH	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
MINIMUM FLOW RATE	LI	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
MINIMUM FLOW RATE	LA	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
MINIMUM FLOW RATE	LB	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
MINIMUM FLOW RATE	LC	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
MINIMUM FLOW RATE	LD	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
MINIMUM FLOW RATE	LE	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
MINIMUM FLOW RATE	LF	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
MINIMUM FLOW RATE	LG	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
MINIMUM FLOW RATE	LH	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
MINIMUM FLOW RATE	LI	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5



**REVISIONS**

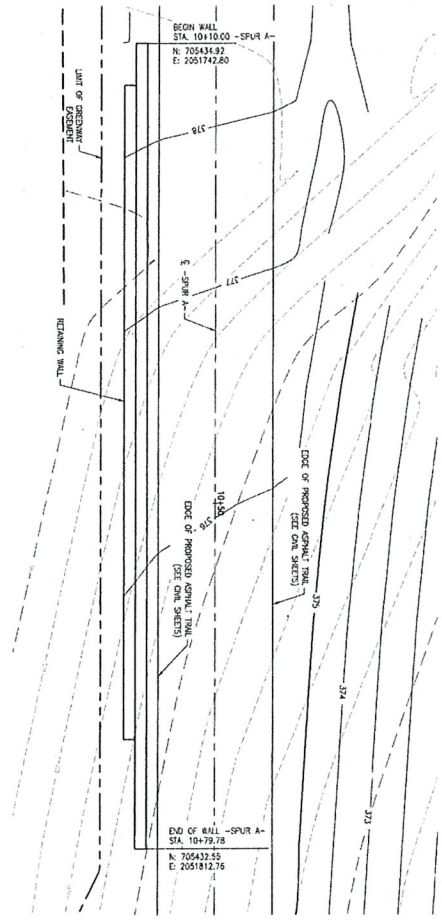
NO.	DATE	DESCRIPTION
1	11/11/18	ISSUED FOR BIDDING
2	07/27/19	REVISIONS PER COMMENTS
3	07/27/19	REVISIONS PER COMMENTS
4	08/14/19	REVISIONS PER COMMENTS

**DESIGNED BY:** M. J. ...  
**CHECKED BY:** M. J. ...  
**DATE:** 08/14/19

**EC-6**

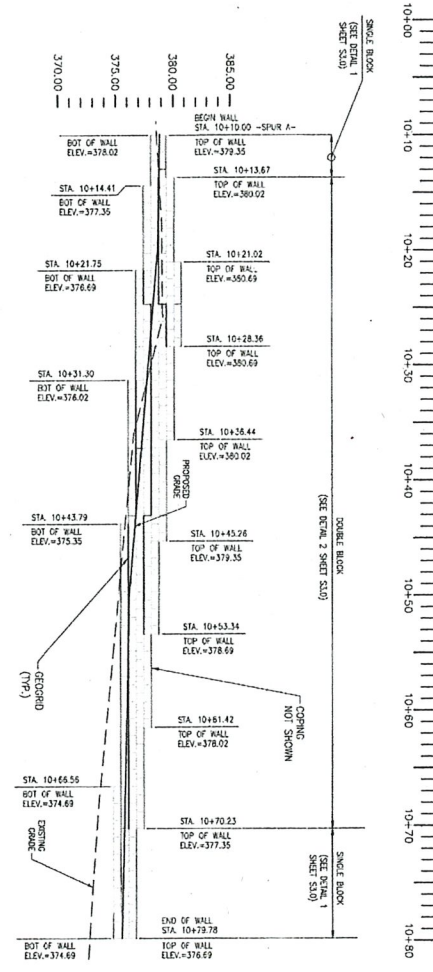






PLAN

PROFILE ALONG C OF SPUR A



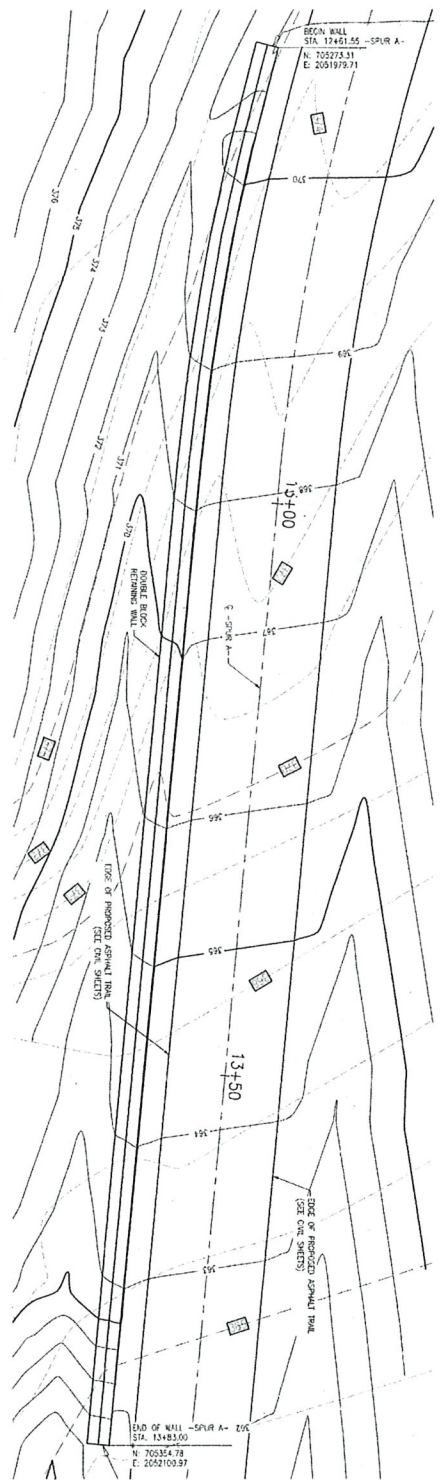
The information shown below certifies that the design has been reviewed and approved solely for the information shown on the plan and profile of this construction plan.	
Author	NA
Checker	NA
Reviewer	NA
Permit/Transportation	NA
Professional Engineer	NA
Professional Surveyor	NA
Date	05/20/25

ALPHA & OMEGA GROUP  
 CIVIL & SURVEYING  
 1500 S. MAIN ST., SUITE 100  
 DENVER, CO 80202  
 PHONE: 303.733.1100  
 FAX: 303.733.1101  
 www.alphaandomega.com

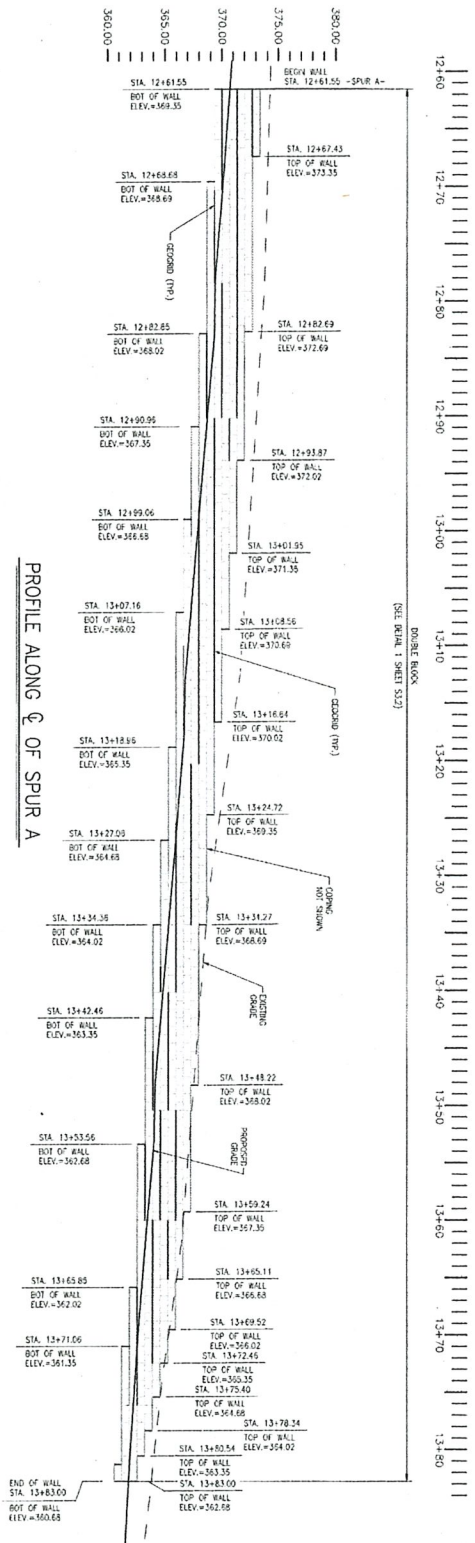
Sheet No.	52.0
Project Name	MIDDLE CREEK GREENWAY PHASE 2
Sheet Title	CONCRETE SEGMENTAL BLOCK RETAINING WALL NO.1 PLAN & PROFILE
Scale	1/4" = 1'-0"
Date	05/20/25
Author	NA
Checker	NA
Reviewer	NA
Permit/Transportation	NA
Professional Engineer	NA
Professional Surveyor	NA
Date	05/20/25

**CONCRETE SEGMENTAL BLOCK RETAINING WALL NO.1 PLAN & PROFILE**  
 MIDDLE CREEK GREENWAY PHASE 2

**WithersRavenel**  
 Engineers | Planners | Surveyors  
345 Midway Drive | Denver, CO 80202 | Phone: 303.733.1100 | Fax: 303.733.1101 | www.withersravenel.com



PLAN



PROFILE ALONG C OF SPUR A

The signatories and dates certify that this project has been reviewed and approved under the authority of the Professional Engineer or Professional Surveyor as indicated on this drawing.

DATE	DATE	DATE	DATE
1/1/2010	1/1/2010	1/1/2010	1/1/2010
1/1/2010	1/1/2010	1/1/2010	1/1/2010
1/1/2010	1/1/2010	1/1/2010	1/1/2010

**ALPHA & OMEGA GROUP**  
 CIVIL ENGINEERING & SURVEYING  
 1000 W. 10th Street, Suite 100  
 Fort Collins, CO 80521  
 Phone: 970.226.1100  
 Fax: 970.226.1101  
 Web: www.alpha-omega.com

**PLANNED BY:**  
 DATE: 1/1/2010

**DESIGNED BY:**  
 DATE: 1/1/2010

**CHECKED BY:**  
 DATE: 1/1/2010

**APPROVED BY:**  
 DATE: 1/1/2010

NO.	DATE	DESCRIPTION

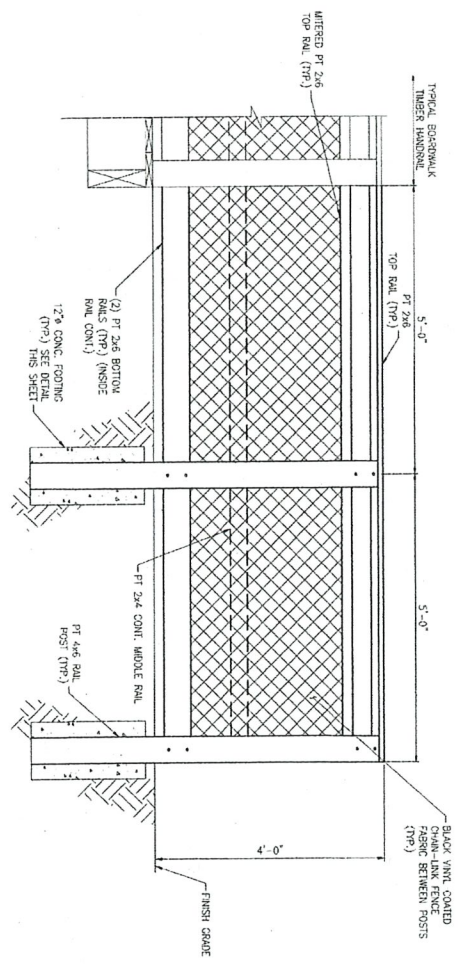
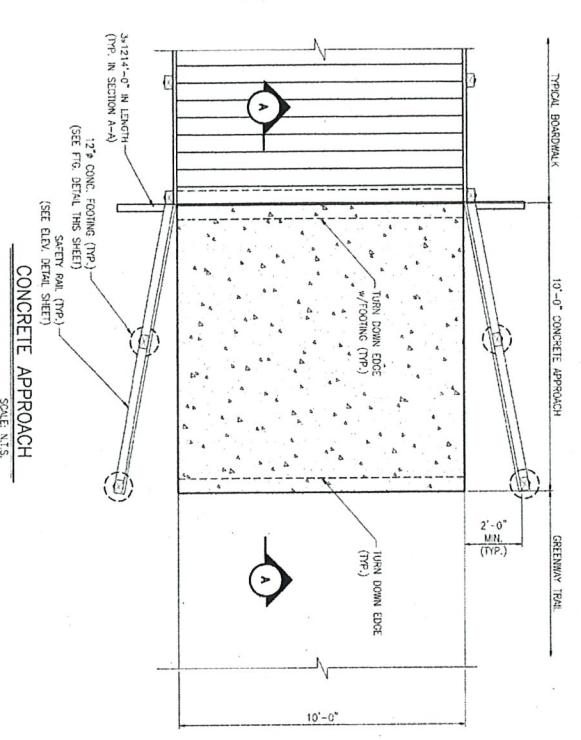
**CONCRETE SEGMENTAL BLOCK RETAINING WALL NO.2**  
 PLAN & PROFILE

**MIDDLE CREEK GREENWAY PHASE 2**

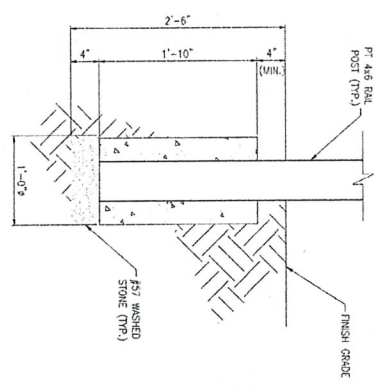
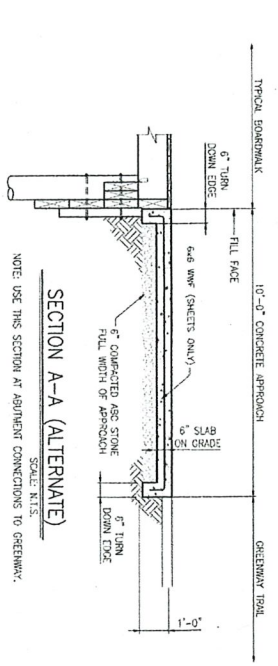
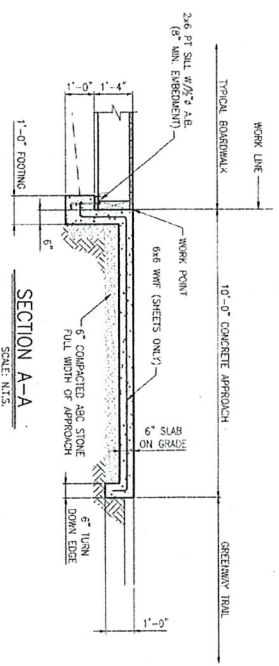
**WithersRavenel**  
 Engineers | Planners | Surveyors

1815 Market Street, Suite 200 | Fort Collins, CO 80521 | Phone: 970.226.1100 | www.withersravenel.com





**SAFETY RAIL ELEVATION**  
SCALE: N.T.S.



**CONCRETE FOOTING DETAIL**  
SCALE: N.T.S.

The Engineer certifies that the design has been reviewed and approved under the professional seal of the Engineer. The Engineer is not responsible for any errors or omissions in the design or construction of the project.

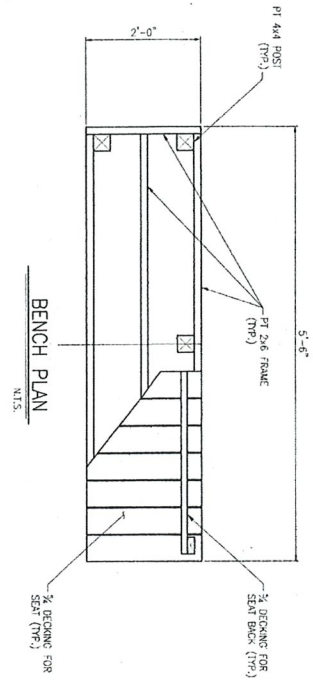
Permit/Approval	Date	Signature	Date
Professional Engineer		<i>[Signature]</i>	
Author/Designer		<i>[Signature]</i>	
Checker		<i>[Signature]</i>	
Permit/Approval		<i>[Signature]</i>	
Author/Designer		<i>[Signature]</i>	
Checker		<i>[Signature]</i>	
Permit/Approval		<i>[Signature]</i>	
Author/Designer		<i>[Signature]</i>	
Checker		<i>[Signature]</i>	

**ALPHA & OMEGA GROUP**  
 CIVIL ENGINEERING & ARCHITECTURE  
 2777163  
 1155 W. 17th Street, Suite 100  
 Denver, CO 80202  
 303.733.1111  
 www.alpha-omega.com

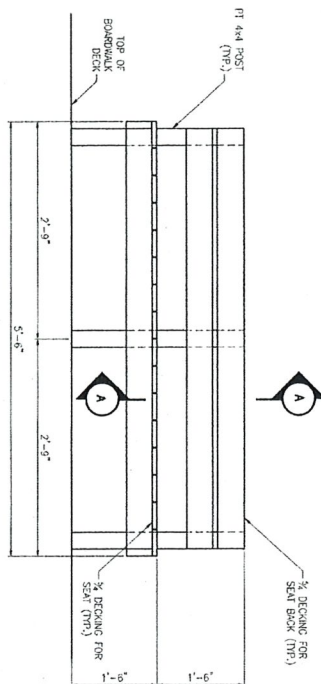
MISCELLANEOUS DETAILS

MIDDLE CREEK GREENWAY  
 PHASE 2

**WithersRavenel**  
 Engineers | Planners | Surveyors

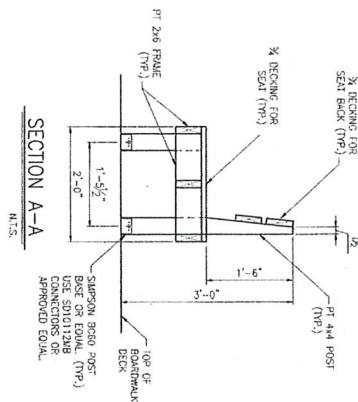


**BENCH PLAN**  
N.T.S.



**BENCH ELEVATION**  
N.T.S.

NOTE: ADD ADDITIONAL 2x2 BLOCKS UNDER BENCH LEGS AND DESIGNS WHERE NEEDED.



**SECTION A-A**  
N.T.S.

NO.	DESCRIPTION	DATE	BY	CHECKED
1	ISSUED FOR PERMIT	2/27/2020	SA	SA
2	ISSUED FOR PERMIT	2/27/2020	SA	SA
3	ISSUED FOR PERMIT	2/27/2020	SA	SA
4	ISSUED FOR PERMIT	2/27/2020	SA	SA
5	ISSUED FOR PERMIT	2/27/2020	SA	SA
6	ISSUED FOR PERMIT	2/27/2020	SA	SA
7	ISSUED FOR PERMIT	2/27/2020	SA	SA
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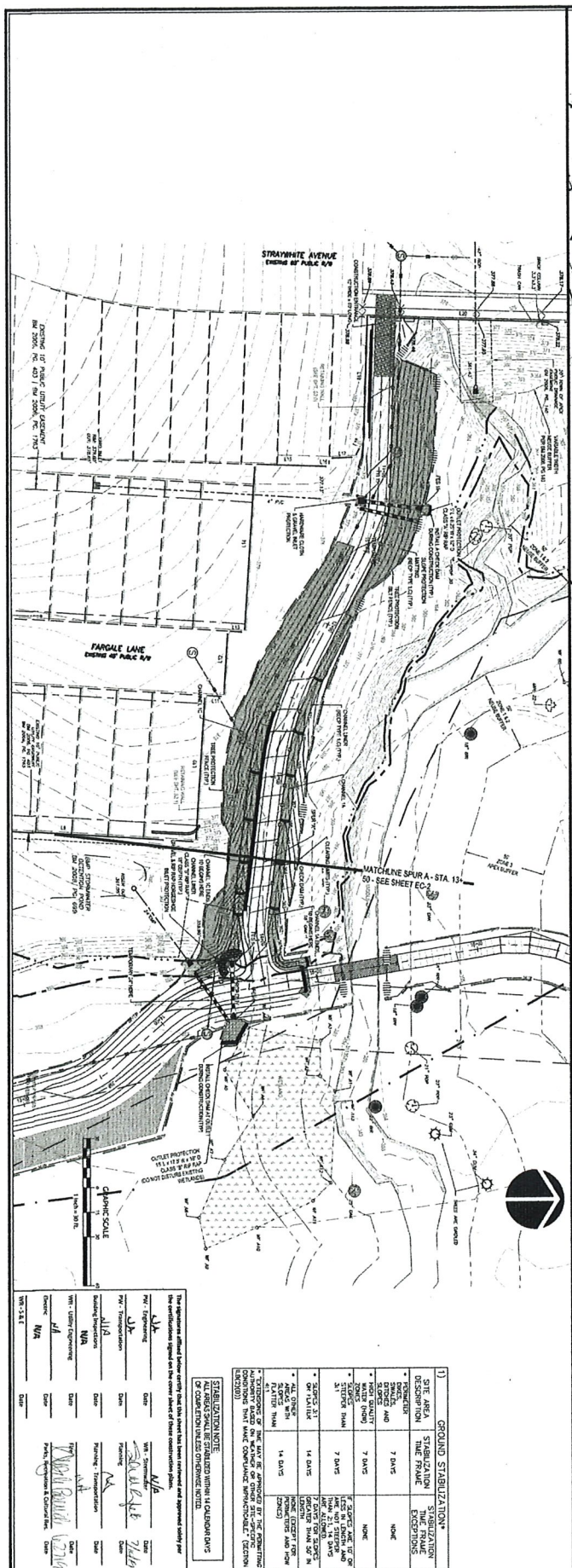
PLANNED BY:

**ALPHA & OMEGA GROUP**  
CIVIL | ARCHITECTURE | MECHANICAL | ELECTRICAL | PLUMBING | INTERIORS

2/27/2020

PROJECT # 2019-001

<p>DATE: 2/27/2020</p> <p>PROJECT: 2019-001</p> <p>SCALE: AS SHOWN</p>	<p><b>MISCELLANEOUS DETAILS</b></p>	<p><b>MIDDLE CREEK GREENWAY PHASE 2</b></p>	<p><b>WithersRavenel</b> Engineers   Planners   Surveyors</p>
<p><b>56.1</b></p>	<p>1177 Hudson Drive, Cary, NC 27513   919.454.8300   www.wr.com   E-MAIL: info@withersravenel.com</p>		



**GENERAL NOTES:**

1) ALL ROADS SHALL BE STABILIZED WITHIN 14 CALENDAR DAYS OF COMPLETION UNLESS OTHERWISE NOTED.

2) THE STABILIZATION SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.

3) THE STABILIZATION SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.

4) THE STABILIZATION SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.

5) THE STABILIZATION SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.

6) THE STABILIZATION SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.

7) THE STABILIZATION SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.

8) THE STABILIZATION SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.

9) THE STABILIZATION SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.

10) THE STABILIZATION SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.

NO.	DESCRIPTION	DATE	BY	CHECKED
1	DESIGN	10/11/17	JL	MA
2	REVISED	10/11/17	JL	MA
3	REVISED	10/11/17	JL	MA
4	REVISED	10/11/17	JL	MA
5	REVISED	10/11/17	JL	MA
6	REVISED	10/11/17	JL	MA
7	REVISED	10/11/17	JL	MA
8	REVISED	10/11/17	JL	MA
9	REVISED	10/11/17	JL	MA
10	REVISED	10/11/17	JL	MA

**PROJECT INFORMATION**

PROJECT: GREENWAY 28+00 - 36+41 & SPUR A EROSION CONTROL

LOCATION: MIDDLE CREEK GREENWAY PHASE 2, APEX, NC

DATE: 10/11/17

SCALE: 1" = 40'

PROJECT NO.: 17-0111

CLIENT: WITHERSRAVENEL

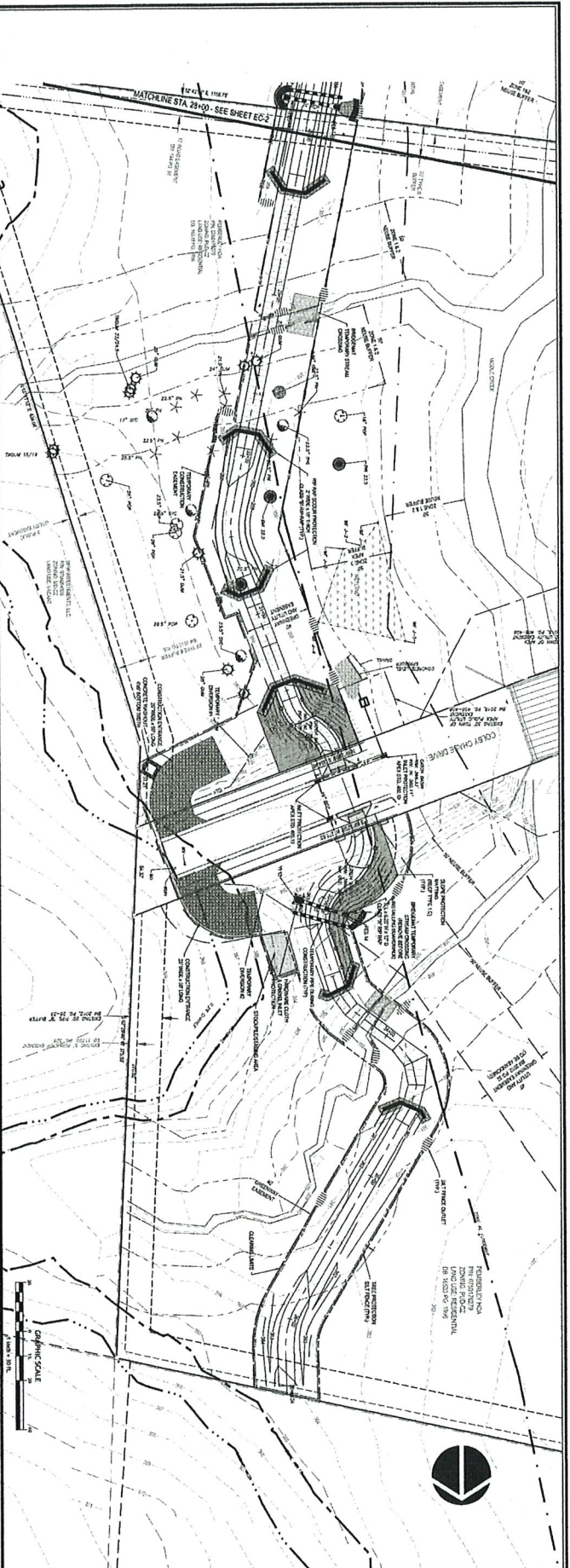
DESIGNER: WITHERSRAVENEL

CHECKED: MA

DATE: 10/11/17

**GROUND STABILIZATION\***

SITE AREA DESCRIPTION	STABILIZATION TIME FRAME	STABILIZATION EXCEPTIONS
ROADS	7 DAYS	NONE
ROADS	7 DAYS	NONE
ROADS	7 DAYS	NONE
ROADS	7 DAYS	NONE
ROADS	7 DAYS	NONE
ROADS	7 DAYS	NONE
ROADS	7 DAYS	NONE
ROADS	7 DAYS	NONE
ROADS	7 DAYS	NONE
ROADS	7 DAYS	NONE



**GENERAL NOTES:**

1) ALL ROADS SHALL BE STABILIZED WITHIN 14 CALENDAR DAYS OF COMPLETION UNLESS OTHERWISE NOTED.

2) THE STABILIZATION SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.

3) THE STABILIZATION SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.

4) THE STABILIZATION SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.

5) THE STABILIZATION SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.

6) THE STABILIZATION SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.

7) THE STABILIZATION SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.

8) THE STABILIZATION SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.

9) THE STABILIZATION SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.

10) THE STABILIZATION SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.

NO.	DESCRIPTION	DATE	BY	CHECKED
1	DESIGN	10/11/17	JL	MA
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4	REVISED	10/11/17	JL	MA
5	REVISED	10/11/17	JL	MA
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7	REVISED	10/11/17	JL	MA
8	REVISED	10/11/17	JL	MA
9	REVISED	10/11/17	JL	MA
10	REVISED	10/11/17	JL	MA

**PROJECT INFORMATION**

PROJECT: GREENWAY 28+00 - 36+41 & SPUR A EROSION CONTROL

LOCATION: MIDDLE CREEK GREENWAY PHASE 2, APEX, NC

DATE: 10/11/17

SCALE: 1" = 40'

PROJECT NO.: 17-0111

CLIENT: WITHERSRAVENEL

DESIGNER: WITHERSRAVENEL

CHECKED: MA

DATE: 10/11/17

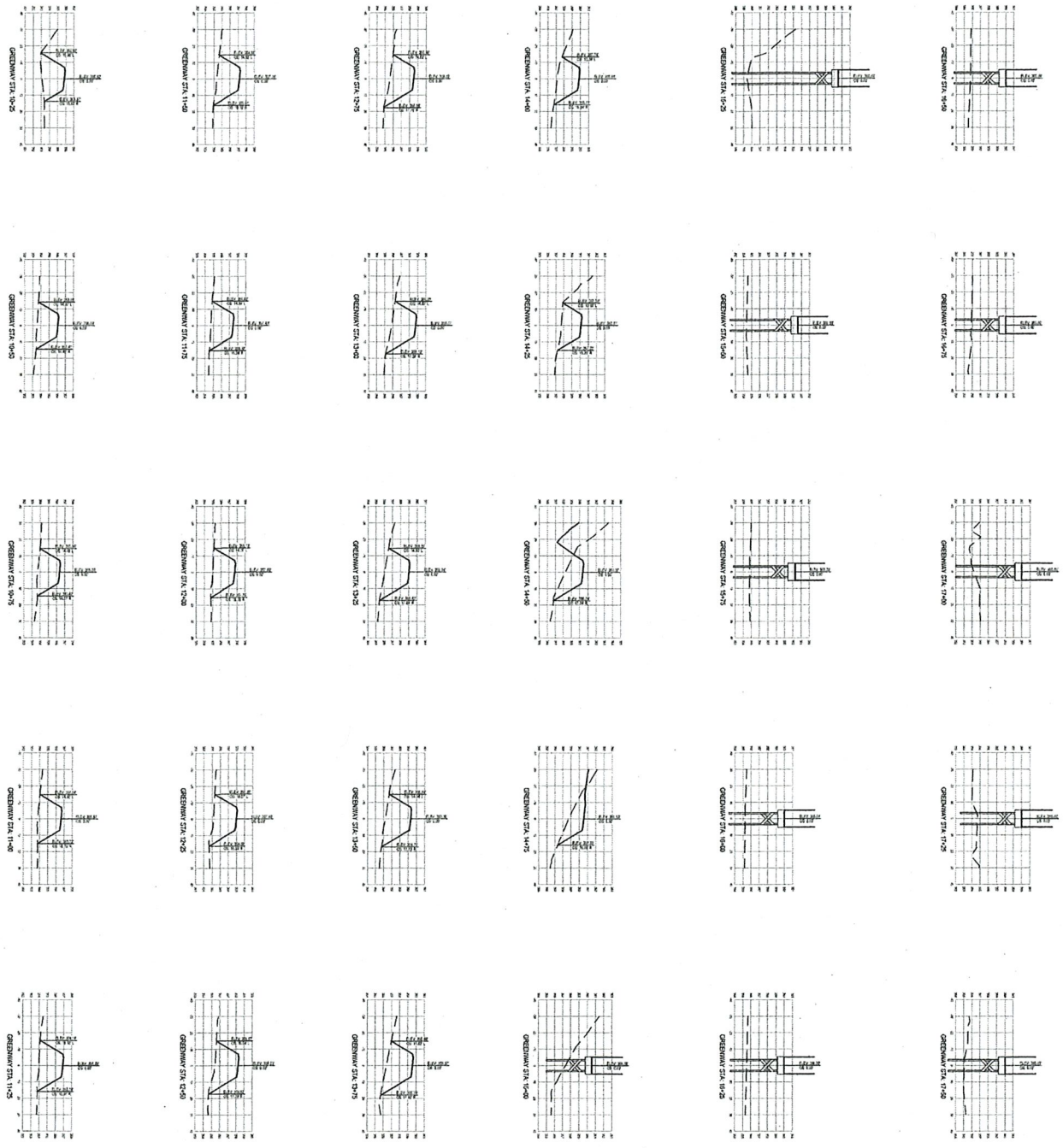
**GREENWAY 28+00 - 36+41 & SPUR A EROSION CONTROL**

**MIDDLE CREEK GREENWAY PHASE 2**

APEX, NC

**WithersRavenel**  
Engineers | Planners | Surveyors

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SCALE:  
1" = 30' HORIZ.  
1" = 8' VERT.

The signatures and/or other markings on this sheet have been reviewed and approved solely per the specifications listed on the cover sheet of these construction plans.

DATE	DATE	DATE	DATE	DATE	DATE
11/17/17	11/17/17	11/17/17	11/17/17	11/17/17	11/17/17
11/17/17	11/17/17	11/17/17	11/17/17	11/17/17	11/17/17
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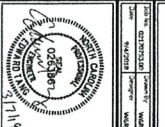
**SCALE:**  
1" = 30' HORIZ.  
1" = 8' VERT.

**REVISIONS:**

NO.	DESCRIPTION	DATE
1	ISSUED FOR REVIEW OF DESIGN	11/17/17
2	APPROVED FOR CONSTRUCTION	11/17/17
3	CONSTRUCTION	11/17/17
4	FINAL CONSTRUCTION	11/17/17

**PROJECT INFORMATION:**

PROJECT: MIDDLE CREEK GREENWAY PHASE 2  
 LOCATION: APEX, NC  
 DRAWING NO.: X1



**CROSS SECTIONS**

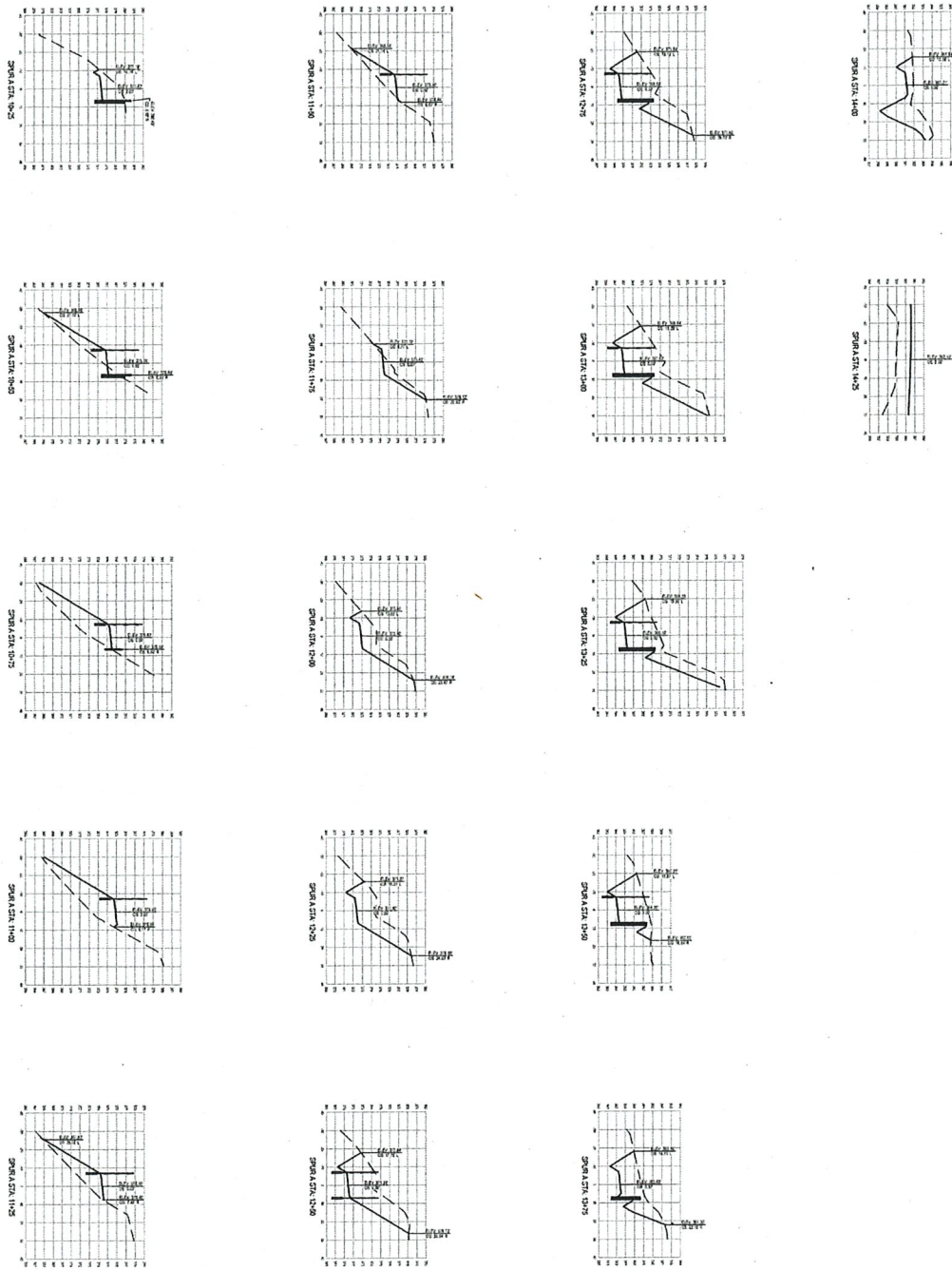
**MIDDLE CREEK GREENWAY  
PHASE 2**

APEX, NC

**WithersRavenel**  
Engineers | Planners | Surveyors

115 McRaman Drive | Cary, NC 27511 | (919) 687-5590 | Email: R | C-6822 | www.withersravenel.com





**RETAINING WALL NOTE:**  
 1. WALL IN CROSS SECTION ARE FOR REFERENCE ONLY. REFER TO STRUCTURAL DRAWINGS FOR EXACT WALL LOCATION, DIMENSIONS AND ELEVATIONS.

**SCALE:**  
 1" = 30' HORIZ.  
 1" = 6' VERT.

The information contained herein is the property of WithersRavenel and is not to be used for any other project without the written consent of WithersRavenel.

DATE	BY	DATE	BY
11/12/2019	dh	11/12/2019	dh
11/12/2019	dh	11/12/2019	dh
11/12/2019	dh	11/12/2019	dh
11/12/2019	dh	11/12/2019	dh
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DATE: 11/12/2019 BY: dh  
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**REVISIONS**

NO.	DATE	DESCRIPTION
1	11/12/2019	ISSUED FOR PERMIT
2	11/12/2019	ISSUED FOR PERMIT
3	11/12/2019	ISSUED FOR PERMIT
4	11/12/2019	ISSUED FOR PERMIT

SCALE: 1" = 30' HORIZ. / 1" = 6' VERT.

DATE: 11/12/2019 BY: dh

**CROSS SECTIONS**

**MIDDLE CREEK GREENWAY  
 PHASE 2**

APEX, NC

**WithersRavenel**  
 Engineers | Planners | Surveyors

115 MackKnut Drive | Cary, NC 27513 | (919) 469-3300 | (fax) (919) 469-3302 | www.withersravenel.com

Bid	Bidder Name	Bid Amount (as from bid form) (Prior to tabulation of actual numbers)	Alternate Price (Prior to tabulation of actual numbers)	Total Base Bid + Alternate	Addendum 1-3	GC License #	Bid Bond	DBE Form
1	Bridgepoint Civil, LLC.*	\$303,415.82				77634	N/A	N/A
2	Lanier Construction	\$443,865.00				18152	N/A	N/A
3	Fred Smith Co.	\$321,500.00				43848	N/A	N/A
4	Narron Contracting	\$316,632.75				62426	N/A	N/A
5	Pacos Construction Co.* Engineer's Opinion of Cost	\$505,991.25 \$289,722.00				DID NOT PROVIDE	N/A	N/A

*Edward Tang*  
Edward Tang, PE  
PROFESSIONAL ENGINEER  
NORTH CAROLINA  
SEAL

\*Denotes that a mathematical error was found when the bid tabulations were checked by me

This is to certify bids tabulated herein were received on the above date at the Town of Apex Community Center at 53 N. Hunter Street, Apex, NC 27502