DATE: SEPTEMBER 8, 2022

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

LICENSE AGREEMENT FOR RAILROAD RIGHT OF WAY ENCROACHMENT

D&SC RAIL CORRIDOR, Milepost DD-16.00

AND

TOWN OF APEX

THIS LICENSE AGREEMENT (hereinafter 'Agreement") is made and entered on the last date executed below, by and between the NORTH CAROLINA DEPARTMENT OF TRANSPORTATION, an agency of the State of North Carolina (hereinafter "Department" and/or "Licensor"), and the TOWN OF APEX, a local government entity (hereinafter "Municipality" and/or "Licensee"); and each are hereinafter referred to individually as "Party" and collectively as "Parties."

WITNESSETH:

WHEREAS, the Licensor is the owner of the Rail Corridor right-of-way as described on the Exhibit A ("Premises") in Wake County as attached hereto and incorporated by reference and known as the D&SC Rail Corridor; and

WHEREAS, the Licensee desires to encroach on the Premises located in Wake County, North Carolina with the construction, maintenance, and use of a trail connector to the American Tobacco Trail (ATT) on the D&SC Railroad Corridor, as shown on Exhibit A. The trail will consist of a ten-foot (10') wide asphalt greenway connecting at a ninety-degree (90°) angle to the ATT. Removable bollards at thirty-nine-inch (39") maximum spacing shall also be installed at the ATT connection. Attached are construction plans showing the greenway connection to the American Tobacco Trail; and

WHEREAS, the Licensor is willing to grant the Licensee the privilege of making such encroachment upon the Premises subject to and in accordance with this Agreement (such privilege, the "License").

NOW, THEREFORE, IT IS AGREED that Licensor hereby grants to Licensee the privilege to make this encroachment as shown on the attached plan sheet(s), specifications, and special provisions which are incorporated by reference upon the following conditions:

1. <u>SCOPE OF WORK:</u>

This Agreement is for the construction, maintenance, and use of a trail connector to the American Tobacco Trail (ATT) on the D&SC Railroad Corridor, as shown on Exhibit A. The trail will consist of a ten-foot (10') wide asphalt greenway connecting at a ninety-degree (90°) angle to the ATT. Removable bollards at thirty-nine-inch (39'') maximum spacing shall also be installed at the ATT connection (drawing attached as Exhibit C). Attached as Exhibit A is the construction plans showing the greenway connection to the American Tobacco Trail and the project plans.

Prior to beginning work, Licensee is to contact Matthew Simmons with NCDOT Rail Division (E-mail: <u>mbsimmons@ncdot.gov</u>)

2. <u>FEES/BILLING</u>

In consideration of Licensor's granting of this privilege to encroach upon Licensor's Premises, Licensee agrees to make payment in the amount of \$0.00 to the Licensor. The Licensee shall submit said payment to the Licensor upon execution and submittal of this License Agreement to the Licensor.

3. <u>LICENSE LIMITATIONS</u>

The License is granted solely and exclusively for the installation, improvement, maintenance, and use of the encroachment for the purposes expressly set forth herein. This grant shall not be construed to convey to or otherwise vest in the Licensee any other greater interest to, right to enter upon, or estate in the Premises.

4. TRANSFER OF RESPONSIBILITIES

It is agreed between Licensor and Licensee that this license is personal to Licensee and shall not inure to the successors or assigns of Licensee, except that Licensee may, with the written consent of the Licensor and Licensee which shall not be unreasonably withheld, assign its rights and obligations hereunder to any successor developer of the real property benefitted by the encroachment upon written notice to Licensor and Licensee and as expressly provided herein. The parties understand and agree that any right or claim of Licensor created by this License Agreement shall inure to the benefit of, and be enforceable by, any successor or assignee of Licensor.

5. <u>CONDITION OF PREMISES</u>

Licensor makes no warranties or representations regarding the condition of the Premises, and this Agreement shall not be construed to make or imply any warranty. The Licensee accepts the use of the Premises "AS IS" and expressly waives any and all claims against Licensor relating to or arising from the condition of the Premises and the property surrounding the Premises, including, without limitation, any claims and costs related to environmental contamination (such as, without limitation, those claims which might arise under CERCLA, RCRA, and the North Carolina Oil Pollution and Hazardous Substances Act).

6. <u>COMPLIANCE WITH STANDARDS</u>

The installation, operation, and maintenance of the encroachment will comply with the Department of Transportation's latest RAIL CORRIDOR North Carolina PRESERVATION POLICY, POLICIES AND PROCEDURES FOR ACCOMMODATING UTILITIES ON HIGHWAY RIGHTS-OF-WAY and THE AMERICAN RAILWAY ENGINEERING AND MAINTENANCE OF WAY ASSOCIATION MANUAL, and such revisions and amendments thereto as may be in effect at the date of this agreement, all of which are hereby incorporated as terms and conditions of this agreement and may not be waived except by written agreement of all parties. Information as to these policies and procedures may be obtained from the North Carolina Department of Transportation.

7. <u>SIGNAGE</u>

The Licensee agrees to provide during construction and any subsequent maintenance proper signs, signal lights, flagger, and other warning devices for the protection of traffic in conformance with the latest <u>Manual on Uniform Traffic Control Devices for Streets and Highways</u> and amendments or supplements thereto.

8. <u>IMPROVEMENT/MAINTENANCE COSTS</u>

The Licensee shall improve and/or maintain the encroachment at Licensee's own cost and expense. The Licensor shall be exempt from any costs, charges, or assessments of any kind or character on account of or incident to the location and improvement of the encroachment within the limits of the right of way, or on account of any action or omission by the Licensee in connection therewith.

9. <u>MAINTENANCE OF FACILITIES</u>

The Licensee agrees to install and/or maintain the encroaching facilities in such safe and proper condition that they will not interfere with or endanger existing or future uses by the Licensor of said right-of-way for railroad, trail, or other transportation purposes, nor obstruct nor interfere with the proper operation and maintenance of said right-of-way or any tracks, structures, or appurtenances thereon.

10. <u>REIMBURSEMENT BY LICENSEE</u>

The Licensee will reimburse the Licensor for any costs incurred including, but not limited to costs for repairs or maintenance to the Licensor's corridor, roadways, and structures resulting from the installation and existence of Licensee's encroachment.

11. DRAINAGE

The Licensee agrees to install and maintain the encroachment in such a manner as not to interfere with the proper drainage of the roadbed and right of way. The Licensee will not allow or permit the diversion of any additional drainage into existing drainage facilities or upon the right of way, and, moreover, the Licensee will arrange its drainage system so as to prevent the ponding of water upon the right of way.

12. PROPERTY OBSTRUCTIONS

In the event Licensee deems it necessary to remove and relocate any structures or property of third persons or corporations, including, but not limited to, wire lines and poles or other supports, now located and constructed upon or near Licensor's right-of-way, the Licensee will remove and relocate or arrange for the removal or relocation of same without cost or expense to the Licensor, and in all respects in accordance with the requirements of the Licensor. Any utility changes must conform to specifications promulgated by the American Railroad Engineering and Maintenance of Way Association and the North Carolina Department of Transportation.

13. **INDEMNIFICATION**

To the extent permissible by law, Licensee shall indemnify and save harmless Licensor for any claims for payment, damages, and/or liabilities arising as a result of Licensee's actions under the terms of this Agreement.

14. <u>CONDITION OF PROPERTY</u>

The Licensee agrees to restore all areas disturbed during installation or maintenance of the encroachment to the Licensor's reasonable satisfaction. The Licensee agrees to exercise every reasonable precaution during construction or maintenance to prevent eroding of soil; silting or pollution of rivers, streams, lakes, reservoirs, other water impoundments, ground surfaces, or other property; or pollution of the air. When any installation or maintenance operation disturbs the ground surface and existing ground cover, Licensee agrees to remove and replace the sod or otherwise reestablish the grass cover to the reasonable satisfaction of the Licensor.

15. ENVIROMENTAL REGULATIONS

Licensee shall comply with applicable rules and regulations of the North Carolina Department of Environment and Natural Resources, and ordinances and regulations of various counties, municipalities, and other official agencies relating to pollution prevention and control. Licensee agrees to comply with all federal, State, and local environmental laws, rules, and regulations while subject to the terms of this agreement. None of the terms of this paragraph, or of this agreement elsewhere shall be construed as a waiver of any environmental regulations. If hazardous or any other unauthorized material is discovered, and it is determined that such material is present as a result of action by Licensee, Licensee shall be solely responsible and hold the Department harmless for all costs associated with the removal of the material and any damages caused by the existence of said material.

16. PERIOD OF PERFORMANCE/TERMINATION OF AGREEMENT

It is agreed by all parties that this agreement shall become void if actual construction of the work contemplated herein is not begun within eighteen (18) months from the date of authorization by the Licensor, unless written waiver is secured from the Licensor.

17. <u>NOTICES</u>

All notices, requests, or other communications permitted or required to be given by one Party to the other and all questions about the contract from one Party to the other shall be addressed and delivered to the other Party's Contract Administrator. The name, post office address, street address, telephone number, fax number, and email address of the Parties' respective initial Contract Administrators are set out below. Either Party may change the name, post office address, street address, telephone number, fax number, or email address of its Contract Administrator by giving timely written notice to the other Party.

For the Department/Licensor:

If Delivered by US Postal Service:	If Delivered by Any Other Means:
Matthew Simmons	Matthew Simmons
Deputy Director	Deputy Director
NCDOT Rail Division	NCDOT Rail Division
1553 Mail Service Center	1 S Wilmington Street, Room 549
Raleigh, NC 27699-1553	Raleigh, NC 27601
Telephone: 919-707-4728	
Email: <u>mbsimmons@ncdot.gov</u>	

For/Licensee:

If Delivered by US Postal Service:	If Delivered by Any Other Means:
Town of Apex	Town of Apex
Angela Reincke	Angela Reincke
Parks Planning Project Manager	Parks Planning Project Manager
PO Box 250	PO Box 250
Apex, NC 27502	Apex, NC 27502
Telephone: 919-372-7468 Email: <u>angela.reincke@apexnc.org</u>	

18. <u>NONCOMPLIANCE</u>

In the case of noncompliance with any of the terms of this agreement by Licensee, Licensor will give Licensee written notice of such noncompliance. If Licensee fails to comply to the reasonable satisfaction of the Licensor within sixty (60) days after receiving such written notice, unless written waiver is secured from the Licensor, the Licensor reserves the right to discontinue the use of the encroachment until it has been brought into compliance; or, alternatively, at no cost to the Licensor, Licensor may remove the encroachment from the right of way and require the Licensee to reimburse the Licensor for all expenses for said removal, or the Licensor, in its sole discretion, may require the Licenser to remove the encroachment within ninety (90) days of written notice from the Licensor, to the Licensor's satisfaction.

19. NOTICE OF COMPLETION

The Licensee agrees to give written notice to the Licensor within thirty (30) days of completion of all work contained herein.

20. <u>CHANGES TO ENCROACHMENT</u>

The Licensee shall make all necessary changes to the reasonable satisfaction of the Licensor, at Licensee's own cost and expense, within sixty (60) days after written notice from the Licensor, to address the safety concerns of the Licensor or to accommodate the Licensor's use of the right-of-way for railroad, trail, or other transportation purposes, unless written waiver is secured from the Licensor. Such changes include, but are not limited to, the construction of a grade-separated facility for railroad, trail, or other transportation purposes; the installation, maintenance, and upgrading of any safety devices, signs, or other facilities necessary for the Licensor's use of the corridor; and any changes of location, height, depth, or design of the encroachment, or consolidation of at-grade crossings.

21. <u>REMOVAL OF THE ENCROCHMENT FROM LICENSOR PROPERTY</u>

In the event the Licensor requires the removal of the encroachment from the right-ofway, then the Licensor shall have the right to demand such removal, and the Licensee, at its own cost and expense, within sixty (60) days after written notice from the Licensor, unless written waiver is secured from Licensor, shall discontinue the use of the same, remove the encroachment from the right-of-way, and restore the same to the condition existing prior to the location of the encroachment upon the right of way.

22. <u>UTILITY ENCROACHMENT</u>

In the case of a utility encroachment, Licensee agrees to periodically monitor and verify the depth or height of the utility in relation to the Licensor's tracks and facilities, and to relocate the utility at Licensee's own cost and expense should such relocation or change be necessary to comply with the minimum clearance requirements of this agreement or any public authority.

23. <u>ENCROACHMENT INTERFERENCE</u>

If the operation, existence, or maintenance of the encroachment causes interference, physical, magnetic, or otherwise, with train control systems or facilities, or interference in any manner with the operation, maintenance, or use of the right-of-way, tracks, structures, pole lines, devices, other property, or any appurtenances thereto for railroad, trail, or other purposes, then in either event, Licensee, within sixty (60) days after written notice from the Licensor, at Licensee's own cost and expense, shall promptly make such changes in its encroachment as may be required in the reasonable judgment of the Licensor to eliminate all such interference, unless written waiver is secured from the Licensor.

24. <u>CHANGE ORDERS</u>

If the Licensee undertakes to revise, renew, relocate, or change in any manner whatsoever all or any part of the encroachment plans, such plans shall be submitted to the Licensor for approval before any such change is made. After approval, the terms and conditions of this agreement shall apply thereto.

25. <u>EXHIBITS</u>

See drawings and forms attached as Exhibit A (Construction Plans), Exhibit B (Railroad Encroachment Application Form), and Exhibit C (Hinged Bollard) incorporated herein as reference.

26. <u>GOVERNING LAWS</u>

This Agreement shall at all times be governed by the provisions of the law of North Carolina.

27. <u>RELATIONSHIP BETWEEN PARTIES</u>

This Agreement shall not be construed to create any relationship of agency or employment between the parties hereto.

28. <u>ETHICS PROVISION</u>

N.C.G.S. § 133-32 and Executive Order 24 prohibit the offer to, or acceptance by, any State employee of any gift from anyone with a contract with the State, or from any person seeking to do business with the State. By signing this Agreement, the Licensee attests that the Licensee is not aware that any gift in violation of N.C.G.S. § 133-32 and Executive Order 24 has been offered, accepted, or promised by the Licensee (including the Licensee's employees, agents, and representatives).

29. <u>E-VERIFY</u>

E-Verify is the federal program operated by the United States Department of Homeland Security and other Federal agencies, or any successor or equivalent program, used to verify the work authorization of newly hired employees pursuant to federal law. The Parties warrant that they and any subcontractor performing work under this Agreement: (i) uses E-Verify if required to do so by North Carolina law; and (ii) otherwise complies with the requirements of Article 2 of Chapter 64 of the North Carolina General Statutes. A breach of this warranty by any Party will be considered a breach of this Agreement, which entitles the other Parties to terminate this Agreement, without penalty, upon notice to the breaching Party. IN WITNESS WHEREOF, this License Agreement has been executed the day and year heretofore set out below, on the part of the Department and the Municipality by authority duly given.

N.C.G.S. § 133-32 and Executive Order 24 prohibit the offer to, or acceptance by, any State Employee of any gift from anyone with a contract with the State, or from any person seeking to do business with the State. By execution of any response in this Agreement, you attest, for your entire organization and its employees or agents, that you are not aware that any gift in violation of N.C.G.S. § 133-32 and Executive Order 24 has been offered, accepted, or promised by any employees of your organization.

WITNESS	TOWN OF APEX
BY:	BY:
NAME:	NAME:
TITLE:	TITLE:
DATE:	DATE:
MUNICIPAL SEAL	Approved by the Town of Apex governing board as attested to by the signature of
	Clerk of the Town Council (Date)
	This instrument has been pre-audited in the manner required by the Local Government Budget and Fiscal Control Act.
	Municipal Finance Officer
	FEDERAL TAX IDENTIFICATION NUMBER
	Town of Apex
	MAILING ADDRESS Town of Apex PO Box 250 Apex, NC 27502 Attn: Angela Reincke Parks Planning Project Manager Angela.reincke@apexnc.org

IN WITNESS WHEREOF, this License Agreement has been executed the last day and year set out below, on the part of the Department and the Municipality by authority duly given.

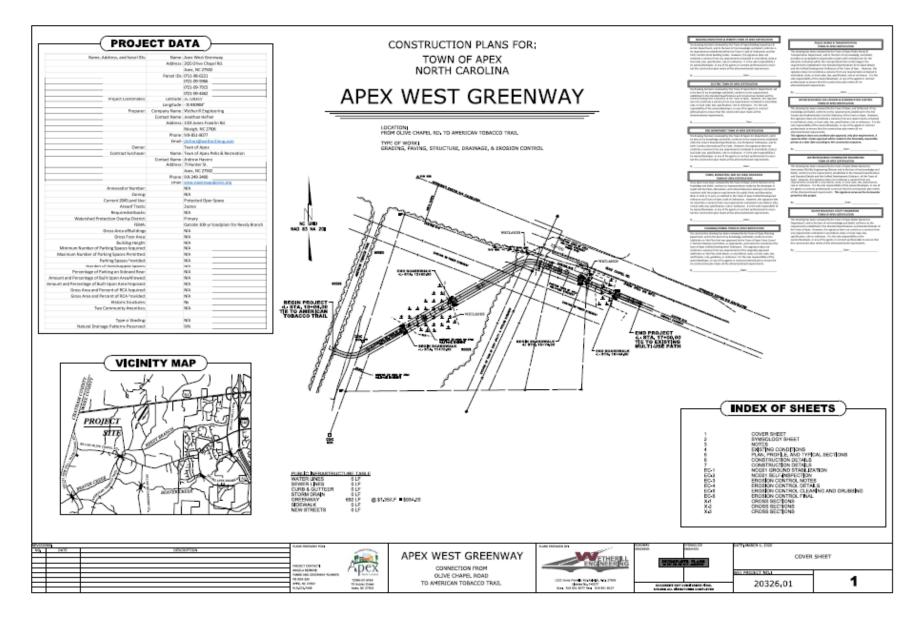
N.C.G.S. § 133-32 and Executive Order 24 prohibit the offer to, or acceptance by, any State Employee of any gift from anyone with a contract with the State, or from any person seeking to do business with the State. By execution of any response in this Agreement, you attest, for your entire organization and its employees or agents, that you are not aware that any gift in violation of N.C.G.S. § 133-32 and Executive Order 24 has been offered, accepted, or promised by any employees of your organization.

ATTEST		NORTH TRANSP	CARO ORTATI		DEPAI	RTMEN	T OF
BY:		BY:					
NAME:		NAME:		Julie	White		
TITLE:	Processing Agent	TITLE:	Deputy Transpor		y of	Multi	Modal
DATE:		DATE:					

MAILING ADDRESS

North Carolina Department of Transportation Rail Division, Operations & Facilities Branch 1553 Mail Service Center Raleigh, NC 27699-1553 ATTN: Matthew Simmons Deputy Director <u>mbsimmons@ncdot.gov</u>

EXHIBIT A



BOUNDARIES AND PROPERTY:	CONVENTION		AN SHEET SYMBC	DLS	WATER:			
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Required Site Plan Notes

- No site development activity including, but not limited to, testing, clearing, installation of S&E measures, or grading shall occur until required tree protection fencing has been installed and inspected. A Tree Protection Fencing nataliation Permit may be obtained at the Planning Department or online at http://www.apronc.org/215/Applications-Schedules.
- 31 Tree protection fencing must be placed:
- One foot away from any saved tree for each inch of diameter at breast height. Along the outside line of the 100-year floodplain and the outside edge of
 - any riperian buffer, and At least 10 feet away from any other designated RCA such as, but not
- limited to, historic buildings and structures, wetlands, and ponds.
- Additional tree protection fencing may be required in other locations close to 31 construction activity where it is deemed necessary by the soning enforcement. officer; such areas may include, but are not limited to, common property lines or near public areas (sidewalks, etc.).
- 41 If buildings are to be demolished, a copy of the Demolition Notification from the WC Health Hagard Control Unit and an asbestos inspection report from a NC accredited asbestos inspector must accompany the application for the noiltion permit which must be obtained prior to start of the demolition
- All grading and support structures associated with any retaining structure shall not encroach into any required buffer or protected area (e.g. RCA, the critical root zones of trees, public utility essements and rights-of-way), and shall be ontained entirely on site.
- Site elements required to satisfy recreational requirements such as, but not limited to, play fields, greenway trails and items typically associated with them (benches, trash containers, signs, etc.) must meet any applicable standards found in the Town of Apex Standard Specifications and Standard Details and the equirements of the Town of Ages Parks and Recreation Department.
- The screening of loading docks, roll-out trash containers, dumpsters, outdoor 71 storage, mechanical and HVAC equipment, and similar facilities on the root, ground, or building shall meet the requirements of UDO Sec. 8.2.8. Specifically, screening must be done so that:
 - It is incorporated into the overall design theme of the building and landscepe.
 - Screening materials are not different from or inferior to the principal materials of the building or landscope, and are similar in materials and colar.
 - Screened items are out of view from adjacent properties and public с. streets, and a totally opaque screen is achieved.
 - Any ground-mounted HVAC or other mechanical or utility equipment size (6) feet tail or higher must be fenced and landscaped. Dumpster enclosures must meet the above requirements plus be eight (8)
- feet tail or the height of the dumpster, whichever is greater, and be built of masonry material with opaque gates. Where practicable, shrubs or other plants must be planted outside the enclosure to visually soften the appearance. All required site elements shown within a particular phase must be installed
- **E**1 before a final Certificate of Occupancy may be issued for any building within that
- Prior to scheduling a final site inspection, all site items (e.g. lighting, landscaping, ulching, screening for dumpsters, mechanical equipment, HVAC, etc., seeding & site stabilization, and parking and pawement marking! must be completed.
- Individual signs are not approved as part of the site plan approval process. A separate sign permit must be obtained prior to installation of the sign. Multiple se lots, non-residential subdivisions and multiple tenant lots must submit a Master Sign Plan for approval.
- 110 Retaining systems providing a cumulative vertical relief greater than five feet in height within a horizontal distance of 50 feet or less, including retaining walls or mechanically stabilized earth walls, shall be designed and constructed under the responsible charge of a registered professional engineer and comply in all aspects with the NC Building Code Sec. 1610. Retaining systems meeting these criteria will require a separate building permit prior to the start of work. All retaining walls and other retention structures must be integrally tinted or stained a medium or dark brown or nast color or be covered with a masonry veneer that is a medium or dark brown or nust color.

- 13) Prior to approval of a Final Plat or issuance of a Certificate of Occupancy for any development where a Stormwater Control Measure (SCM) is required, contact the Environmental Programs Manager at 919-249-3413 to demonstrate that the required structure is in place, is operational, and complies with all relevant partians of UDO Sec. 6.1.12 Engineered Stormwater Controls. If the SOM is used as part of a temporary erosion control measure, the inspection will occur during the appropriate phase of construction.
- All water and sewer lines shall be installed with a minimum of three (3) feet of
- Maintain a minimum of 18 inches of vertical separation between utilities. Verify all illustrated utility crossings prior to construction and notify the engineer 161 if conflicts are encountered
- 171 Contractor shall coordinate utility relocation or abandonment with local utility companies as required.
- All metered connections to Town potable water shall have a Town-opproved 151 backflow prevention assembly installed
- **15**Î Water and sewer shall be at least 30 feet laterally from existing or proposed sewers. Where local conditions prevent a separation of at least 10 feet, the water main may be laid closer, provided that the elevation of the bottom of the water main is at least 18 inches above the top of the server with a horizontal separation of at least three (3) feet.
- All new public water and sewer lines contained within a Town of Apex Public 201 Utility Essement will require a Water Distribution Extension Permit and/or a Gravity Sewer Extension Permit to the release of construction drawings. All Water Distribution Extension Permit Applications shall be accompanied by a Sealed Engineer's Report per the Town of Apex Spec Book. Please contact the Engineering Division at 919-249-3394 to obtain these permit applications.
- A plumbing permit issued by the Building inspection Division is required for all plumbing systems, including storm drainage systems, installed outside the Public Right of Way or a Public Utility Easement. These systems shall be inspected and approved by the plumbing inspector prior to covering. Contact the Building inspections Director at 919-249-3381 for information including the utilization of
- a third-party inspection agency. 221 It is the responsibility of the owner or his representatively) to locate and identify all existing and proposed utilities and to clearly identify them on the approved
- 281 No private utility easements shall be allowed to be counted in the calculations for buffers, RCA, or required landscape areas.
- 341 All landscaping is required to be installed prior to a Certificate of Occupancy for the project, or in the case of phased development, for the phase of the project. If the applicant chooses to delay the installation of landscaping from April 1 through September 1, then the applicant shall provide a cash bond equal to 150% of the cost of materials and installation, based on the highest estimate received, to ensure installation of the required landscaping. Additional exceptions may be granted by the Planning Director in accordance with UDD
- Sec. 8225. Required buffers must meet the minimum opacity requirements for the particular type of buffer as described in UDO Sec. 8.2.6.
- 261 Any vegetation that is dead, substandard, unhealthy, of poor structural quality, or missing shall be replaced in conformance with Town standards.
- 271 All plant material shall be allowed to reach their mature size and maintained at their mature size. Plants shall not be cut or severely pruried so that their natural form is impaired.
- All slopes equal to 2:1 shall be stabilized with permanent slope retention or a 261 suitable combination of plantings and retention devices. Slopes steeper than 3:1 but less than 2:1 shall be stabilized with permanent 251
- aroundcover, not with turf grass. All outdoor light fixtures shall be located a minimum of 30 feet from a property 301
- or right of way line, and at least two feet away from any required perimeter or treetscape buffer and tree save area.
- Lamps for non-cutoff light figtures shall not exceed 100 watts. Wall pack light futures must be fully shielded, true cutoff type flatures with a 321
- concealed lamp/light source. The lighting must be directed downward and the wattage must not exceed 100 watts.

Before certificates of occupancy are released, the owner/builder must supply 35) the Town with a final letter of certification from the lighting engineer and/or lighting manufacturer verifying that all site lighting is installed according to Town standards, the approved plans, and any applicable conditions.

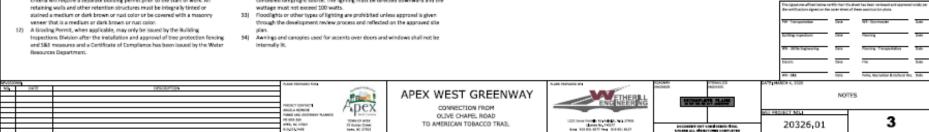
Architectural construction plans must adhere to the approved site plans. Any 363

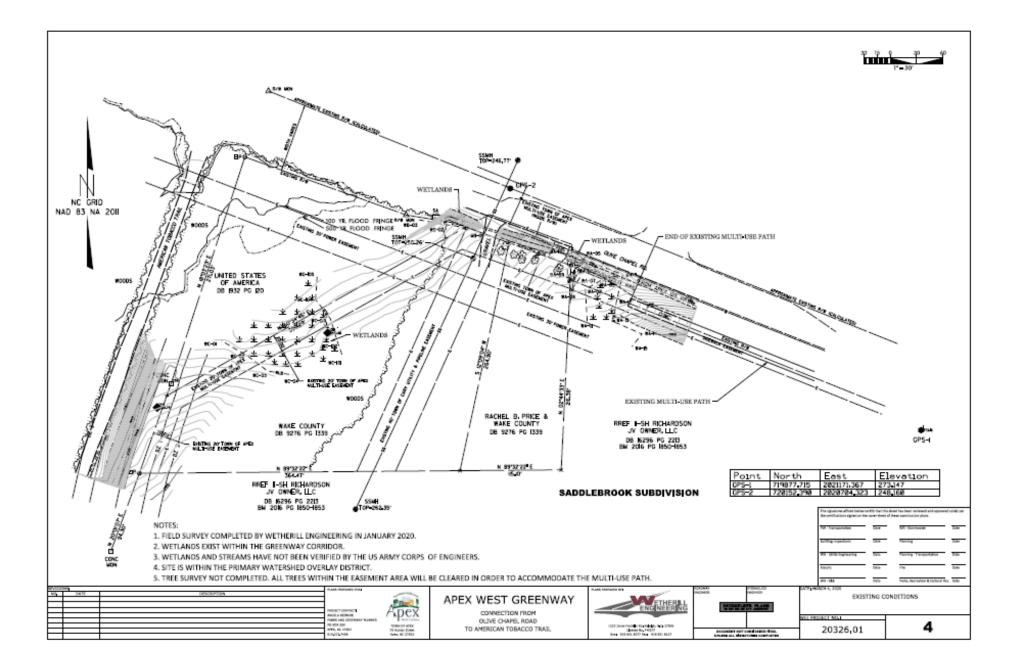
proposed changes must be submitted to the Planning Department for approval.

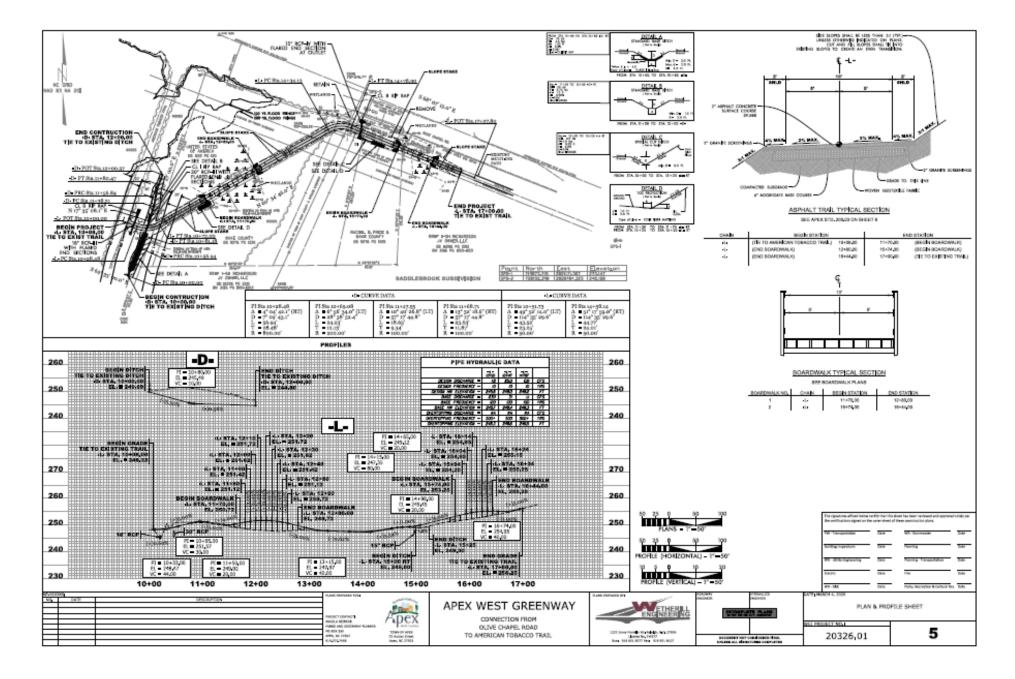
Town of Aces Construction Secures

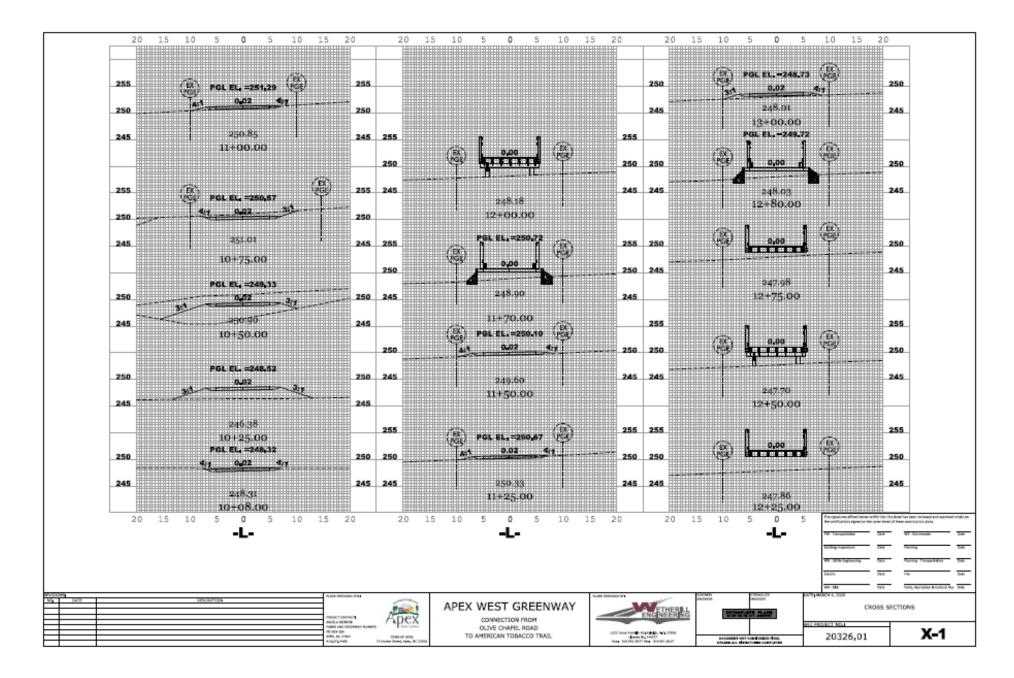
The following begins only after Construction Plans are approved, signed by Town staff and copies are received.

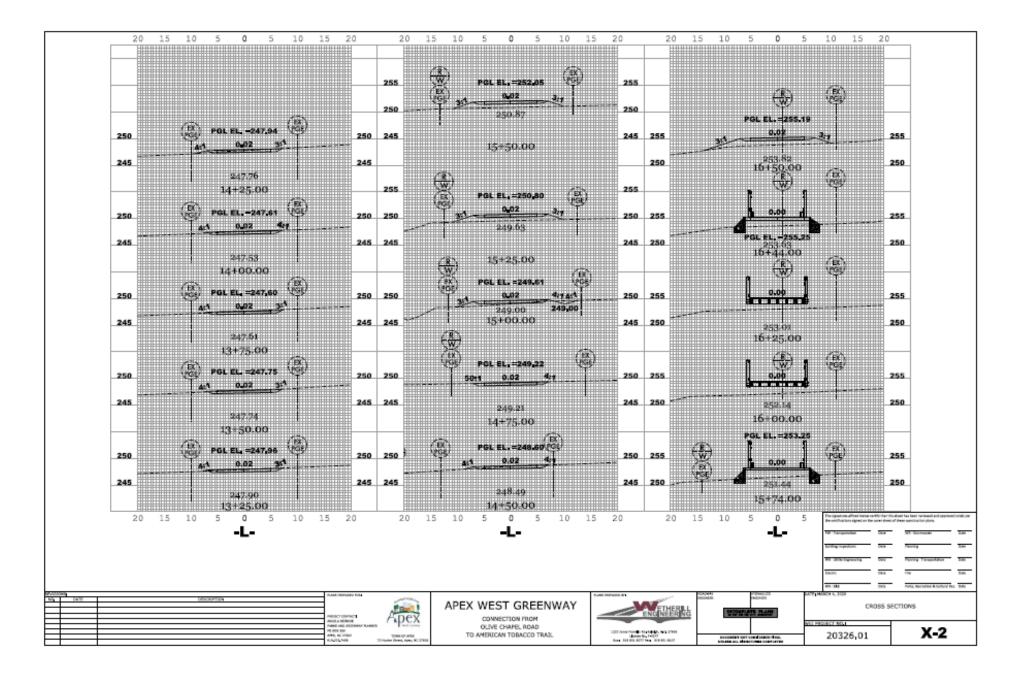
- Through the infrastructure inspections Manager at (909) 749-3385, schedule a pre-coestruction meeting with inspectors and other Town staff.
- Fill out Tree/Protection Fencing Installation Permit Application (obtain from Planning Department).
- Have a surveyor flag property lines, easements, buffers, tree protection areas, and flag the protection limits. 4. Contact on Apex Planning Department Zoning Compilance Officer at (919)249-3426 to request approval for
- tree protection fencing locations. Install approved tree protection fencing, signs, and/or any other protection measures that may be required.
- 5. Call Planning at 249-3435 for a final inspection of protection measures. Planning will forward approval to Water Resources, Erosion Control field staff.
- Submit the applicable S&E performance guarantee to the Development Services Supervisor at 249-3394 in Development Services. An invoice can be requested from Water Resources at (\$13) 352-8166. The erosion control Letter of Plan Approval will not be issued until the guarantee has been submitted.
- 7. Request a Latter of Plan Approval for submentation and erosion control measures from Water Resources staff at (919) 362-8166
- Complete and submit an electronic Notice of Intent (e-MOI) form with MCDEMLR requesting a Certificate of Coverage ICDC) under the NCGOL Construction Stamwester General Permit. Visit the following website: https://dec.nc.gov/about/divisions/energy-mineral-land-resources/energy-mineral-landpermits/stormwater-permits/construction-ew The COC must be submitted to the Town prior to the commencement of any land disturbing activity.
- Install gravel construction entrance, temporary diversions, silt fending, sediment basins, bypass channels, and/or other measures as shown on the approved plans. Clear only as necessary to install these devices. When completed, call Water Resources staff at (303) 362-8065 for an on-site inspection and to request a
- 10 Certificate of Compliance. Water Resources will also forward a copy to the Building Inspections & Permitting Department
- 11. Complete a Grading Permit Application, if required, from the Building inspections & Permitting Department. 12. Once a Grading Fermit is reviewed and issued by the Building Inspections & Fermitting Department, amange a pre-construction meeting with Rudy Baker at 249-3381 prior to any grading activities. This meeting is separate from any other pre-construction meetings required in the Construction Sequence.
- 18. Post Grading Permit prominently on site at all times.
- Begin clearing, grubbing, and roach grade of the site in accordance with the approved grading plan. 14.
- Stockpile a sufficient amount of topsoil to cover 3 inches over landscaped areas at the end of the project 15.
- install storm sewer, if applicable, and protect inlets with inlet protection devices, sediment devices, and/or other approach measures as shown on plays. Maintain S&F measures as needed.
- 17. After completion of any phase of arading or when land-disturbing activities have temporarily ceased. establish groundcover on svales and ditches and graded slopes steeper than 3:1 within 7 calendar days; slopes that are 3:1 or flatter must establish groundcover within 14 calendar days.
- Stabilize site as areas are brought up to finished grade with vegetation or paving 18.
- Prior to plat approval, all disturbed areas both public and private, must be properly stabilized. All temporary 19. attaion control measures must be installed, be functioning properly and be maintained for the entire area contained within the plat.
- 20. Flush and clean all stormwater system pipes. Clean and remove sediment from temporary sediment holding devices. Follow the SCM Construction Sequence found on the Grading and/or SCM Detail sheet on the Construction Plan set.
- 21. Remove all temporary diversions, all fencing, addment basins, etc. and provide adequate cover or pase any resulting have areas. All permanent erosion control devices should be installed at this point
- When vegetation has been established, call Water Resources staff at (919) 363-8166 for a final site inspection 22. and to request a Certificate of Completion. The S&E performance guarantee will be released with the issuance of the Certificate of Completion. Visit the State website listed above and submit an electronic Notice of Termination (e-NOT) to end coverage under the NCG01 permit.
- 23. The Property Owner/Home Owners Association will be responsible for permanent erosion control maintenance of the site.

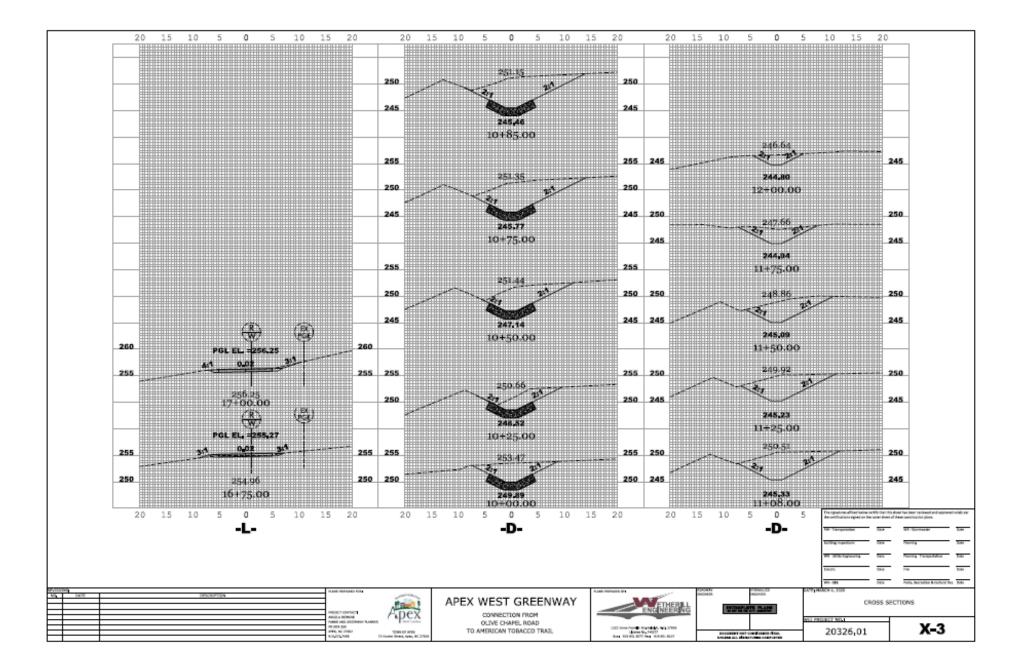












	Р	ROPO	SED]			PI	PE	DAT	AS	HEE	Г							
Date:		2/25/2020	Revised:		By:	WHE				I.D. No.:	Apex G	ireenway			Sheet	1	of	3		
Project	Desc.	Apex Greenv	vay Olive O	Chapel Ro	ad		-		_	County:	Wake		-	Designed	By:	WHE	Checke	d By:		_
										GRADE	PT. EL.:	248.40	ft	OT Elev.=	248.30	ft.		ummary	Data	
						ler											Drainage		0.43	Ac
O L 11			10.2	1-L-	Elev.:			248.30	ft	-							Design F		10	yr
Station: Skew:				0	Stream	- Ded							\				Design D	hsch.: I.W. Elev.:	1.8 245.58	cfs ft
	pe Pipe			RCP	El @ ir			_	—	/			\	- н	Stream E	Bed	Q100 Dis		240.08	π cfs
	ntrance:			d Projecting	- 1 (g 1	iner.		H.W.		6					El @ out		Q100 Ek		245.66	ft
	n of Flo		Rtt	o Lt			-	LS _o _					\rightarrow	T.W			Overtop	ing Freq.:	500 yr+	yr+
Hydrold	gical M	ethod:	Rati	onal	Inlet	t				So=	1.67%		_	_			4	oing Disch.		cfs
	-	levation:	24	6.7	Invert	Elev.:		244.90	ft	L=	24.0		Outlet I	nv. Elev.	244.50	ft		ing Elev.:	248.30	ft
									-							•				
PIPE (CULVE	ERT ANALY	SIS (Eng	glish)	•		rcp= .012	2, cmp=0.0	024				Outlet	channel:	Slope:	0.003	Lt. Side 3	Slope		3
							n=	0.012					Base=	0	n=	0.04	Rt. Side	Slope		3
	Size &	Туре	TW	q	Nat.	Allow.	Inlet	Control							Outlet Cor	ntrol	HW		Rema	arks
SIZE	# pipes	FREQ	ft	ft^3/s	H.W.	H.W.	HW/D	HW (ft)		Ke	do	(d _c +D)/2	ho	н	L*S ₀	HW	ELEV.	HW/D		
18	1	10	0.8	1.80			0.45	0.68		0.2	0.49	1.00	1.00	0.025	0.40	0.62	245.58	0.45	INLET CON	ITROL
18	1	25	0.8	2.00			0.48	0.72		0.2	0.52	1.01	1.01	0.031	0.40	0.64	245.62	0.48	INLET CON	ITROL
18	1	50	0.8	2.10			0.49	0.74		0.2	0.53	1.02	1.02	0.034	0.40	0.65	245.64	0.49	INLET CON	
18	1	100	0.8	2.20			0.51	0.76		0.2	0.54	1.02	1.02	0.038	0.40	0.66	245.66	0.51	INLET CON	TROL
18	1	Overtopping		15.0			2.27	3.40		0.2	1.50	1.50	1.50	1.756	0.40	2.86	248.30	2.27	INLET CON	
18	1	200	0.8	2.30			0.52	0.78		0.2	0.56	1.03	1.03	0.041	0.40	0.67	245.68	0.52	INLET CON	
18	1	500	0.8	2.40			0.53	0.80		0.2	0.57	1.03	1.03	0.045	0.40	0.68	245.70	0.53	INLET CON	ITROL
Notes	:																			



HW Control is HW/D-1.2 ft. = Overtopping occurs at Sta. 10+00 -L-

246.7 ft.

Elev. = 248.30 ft. which is

existing elevation of the American Tobacco centerline

C=0.7

Recommendation:

HW Control = 1.2*1.5=1.8'+244.9=246.7 Use 18" RCP V(10) partial= 5.7 fps T©=10 min

l(10)= 5.9 "/hr

18

	Ρ	ROPO	SED]			PIF	PE	E DAT	A S	HEET	Г							
Date:		2/25/2020	Revised:	WHE	By:					I.D. No.:	Apex G	ireenway			Sheet	2	of	3		
Project	Desc.	Apex Greenw	vay Olive C	hapel Ro	ad				_	County:	Wake		-	Designed	By:	WHE	Checke	d By:		_
Shoulder									GRADE	PT. EL.:	249.20	ft	OT Elev.=	248.60	ft.	Drainage		10	Ac	
Station: Skew: Size/Typ Type Er	pe Pipe		9	17 -L- 0 0" 1 Projecting	Elev.: Strean El @ ir			249.30	ft	\square				L H	Stream E El @ out		Design F Design D Design H Q100 Dis Q100 Ele	isch.: I.W. Elev.: charge:	10 25 248.02 31 248.42	yr cfs ft cfs ft
Direction Hydrolo	n of Flo gical M	w:	Rati	o Lt onal 8.5	Inlet Invert	Elev.:	-	LS。 245.46	ft	So= L=	0.58%		Outlet	T.W Inv. Elev.			Overtopp	ing Freq.: ing Disch.: ing Elev.:	500 yr 33 248.60	yr+ cfs ft
PIPE (CULVE	ERT ANALY	'SIS (Eng	glish)	•		rep= .012 n=	2, cmp=0.0 0.012					Outlet Base=	channel:	Slope: n=		Lt. Side S _Rt. Side S	Slope		
	Size &		TW	q	Nat.	Allow.		Control	Γ					1	Outlet Co	1	HW		Rema	rks
	# pipes		ft	ft^3/s	H.W.	H.W.	HW/D	HW (ft)		Ke	d _e	(d _c +D)/2	h _o	н	L*S ₀	HW	ELEV.	HW/D		
30	1	10	1.7	25.00	<u> </u>		1.02	2.56	⊢	0.2	1.72	2.11	2.11	0.559	0.14	2.53	248.02	1.02	INLET CON	
30 30	1	25 50	1.8	27.00	—	<u> </u>	1.08	2.70	⊢	0.2	1.80	2.15	2.15	0.652	0.14	2.66	248.16 248.30	1.08	INLET CON	
30	1	100		31.00				2.84	⊢	0.2		2.19	2.19	0.752		2.80	248.30		INLET CON	
30	1	Overtopping	1.9 2.0	31.00		l	1.18	2.90	⊢	0.2	1.95	2.23	2.23	0.859	0.14	3.10	248.42	1.18	INLET CON	
30	1	200	1.9	32.00		<u> </u>	1.23	3.05	⊢	0.2	1.99	2.20	2.20	0.915	0.14	3.02	248.51	1.23	INLET CON	
30	1	500	2.0	33.00			1.25	3.13	\vdash	0.2	2.02	2.26	2.26	0.974	0.14	3.10	248.59	1.25	INLET CON	
Notes	otes:																			

3

HW Control is HW/D=1.2 ft. = 10+30-L-Overtopping occurs at Sta. Elev. =

248.60 ft. which is proposed elevation of -L-

248.5 ft.

centerline

Recommendation:

Use 30" pipe. HW Control is HW/D=1.2*2.5=3' 245.46+3=248.46 V(10) partial=7.5 fps T© = 15 |=4.9 in/hr C=0.5

CREAT	E DAT	E:	3	/30/202	0			IN	ILET (COMF	PUTA	TION	I SHI	EET						
REV. D/	ATE:	_																		
I.D. NO.		_				PRO)J. NO.:			COUNTY: Wake					DES	SIGNE	D BY:	WHE		
DESCR	IPTIO	N: _	Olive	Chapel	Road A	Apex Gre	enway			REVD BY:										
			LOCA	TION			ROAD	YAWC			R	UNOF	F				INI	LET		
SYSTEM STRUCTURE	BMUN	ALIGNMENT	STATION	OFFSET	DESCRIPTION	ELEVATION (%)	(WW) BC MAD	CROSS SLOPE	DRAINAGE AREA (acres)	O COEFF.	CONC. (mh)	- RAINFALL INT. (n/h)	DISCHARGE	DISCHARGE	P DISCHARGE	SPREAD (1)	D INTERCEPT	D BYPASS (dit)	BYPASS TO INLET	REMARKS
403 04	402	L	15+00	10 Rt	DI	249.00	SAG	0.250	0.30	0.50	5.0	4.0	0.6	0.0	0.6	1.1	N/A	N/A		

EXHIBIT B

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION - RAIL DIVISION

Railroad Encroachment Application Form

Operations & Facilities Branch, 1553 Mail Service Center, Raleigh, NC 27699-1553

Instructions: Complete all applicable information below and return this form with two sets of preliminary plans, sketches, specifications, calculations, etc. to NCDOT, Rail Division, Operations & Facilities Branch, 1553 Mail Service Center, Raleigh, NC 27699-1553. Sketches and drawings should include north arrow, scale, vicinity map, landmarks and reference points. If you need additional information, please contact Andy Miller, Facilities & Properties Manager, by phone at (919) 707-4721 or by email at samiller@ncdot.gov.

Owner's (or Company's) N	ame: Town of Apex		
Mailing address: PO Box	250		
City: Apex		State: NC	Zip: 27502
Phone: 919.372.7468	Fax: 919.249.3368	e-mail: angela.reinc	ke@apexnc.org
Contact Name (e.gEnginee	r in charge, if different from above,	_{):} Jonathan Hefner	
Company Name: Wether			
Mailing address: 1223 J	ones Franklin Rd.		
_{City:} Raleigh		State: NC	Zip: 27606
Phone: 984.242.0576	_{Fax:} 919.851.8107	_{e-mail:} jhefner@we	therilleng.com

Specific Information needed for Application:

County: Wake	Rail Corridor: D&SC(ATT) Nearest Railr	road Milepost (if known): DD16.00 +/-
Location description (attach	map /sketch): See plans	
Permanent or Temporary ins	stallation? (check one) 🔳 Permanent 🗆 Tempor	rary
Type of encroachment:		
a) Driveway, Drain Pipe, etc	.: 10' wide asphalt multi-use path conne	ection to American Tobacco Trail.
b) If underground–Type: (fil	per optic, electric, water, gas, etc.)	
Dimension(s)/Size(s):		
c) If aerial–Type: (overhead	utility, conveyor belt, etc)	
Clearance above track:		
d) Other:	Dimensior	15:

Note: From information furnished on application, NCDOT will complete a more detailed specification sheet which will specify how the installation is to be made. AREMA and NCDOT Standard Specifications will be part of the encroachment agreement, and NCDOT will require signature of applicant, agreeing to the terms set forth in the specifications.

Other Information:

1. An applicable annual fee may be included in the encroachment agreement executed with NCDOT.

2. Where appropriate, additional engineered plans (or other information) may be required of applicant.

Rev. June 2016

EXHIBIT C

