



CERTIFICATE OF APPROPRIATENESS PLACARD

for Raleigh Historic Resources

Project Description:

Remove 1 diseased tree with replacement; storm drainage installation; small landscape plan

301 Pogue St

Address

Historic District

Raleigh Little
Theatre/Amphitheatre/Rose Garden

Historic Property

COA-0061-2019

Certificate Number

7/1/2019

Date of Issue

1/1/2020

Expiration Date

This card must be kept posted in a location within public view until all phases of the described project are complete. The work must conform with the code of the City of Raleigh and laws of the state of North Carolina. When your project is complete, you are required to ask for a final zoning inspection in a historic district area. Telephone the RHDC office at 832-7238 and commission staff will coordinate the inspection with the inspections Department. If you do not call for this final inspection, your Certificate of Appropriateness is null and void.

Signature, _____

Collette R. Kinnane

Raleigh Historic Development Commission

Pending the resolution of appeals, commencement of work is at your own risk.



Certificate of Appropriateness | Application

Development Services Customer Service Center • One Exchange Plaza, Suite 400 | Raleigh, NC 27601 | 919-996-2495

This form can be submitted in person or via USPS at the above address.

Type or print the following:		
Applicant name: Gary Claiborne, Raleigh Parks, Recreation and Cultural Resources		
Mailing address: 222 West Hargett Street, Suite 601		
City: Raleigh	State: NC	Zip code: 27601
Date: 5/17/2019	Daytime phone #: 919-996-2677	
Email address: gary.claiborne@raleighnc.gov		
Applicant signature:		
<input checked="" type="checkbox"/> Minor work (staff review) – one copy Major work (COA committee review) – one copy (10 copies will be required after initial staff review) <ul style="list-style-type: none"> <input type="checkbox"/> Additions > 25% of building sq. footage <input type="checkbox"/> New buildings <input type="checkbox"/> Demolition of building or structure <input type="checkbox"/> All other <input type="checkbox"/> Post approval re-review of conditions of approval	<p style="text-align: center;">Office Use Only</p> Transaction #: <u>597165</u> File #: <u>COA-0061-2019</u> (JV) Fee: <u>\$ 30⁰⁰</u> Amount paid: <u>30⁰⁰</u> Received date: <u>5-17-19</u> Received by: <u>K. Pruitt</u>	
Property street address: 2703 Everett <u>POQUE ST</u> Ave. Raleigh, NC 27607		
Historic district: N/A		
Historic property/Landmark name (if applicable): Raleigh Little Theatre/Amphitheatre/Rose Garden		
Owner name: City of Raleigh, Parks, Recreation and Cultural Resources		
Owner mailing address: 222 West Hargett St., Suite 601, Raleigh NC 27607		

For applications that require review by the COA Committee (major work), provide addressed and stamped envelopes for owners for all properties with 100 feet on all sides of the property, as well as the property owner.

Property Owner Name & Address	Property Owner Name & Address

I understand that all major work applications that require review by the Raleigh Historic Development Commission's COA Committee must be submitted by 4 p.m. on the date of the application deadline; otherwise, consideration will be delayed until the following committee meeting. An incomplete application will not be accepted.

Will you be applying for rehabilitation tax credits for this project? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Did you consult with staff prior to filing the application? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Office Use Only Type of work: <u>710, 416, 38</u>
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Design Guidelines: please cite the applicable sections of the design guidelines (www.rhdc.org).		
Section/Page	Topic	Brief description of work (attach additional sheets as needed).
1.3	Site Features	Stormwater quality improvements, see attached plans.

Minor Work Approval (office use only)	
Upon being signed and dated below by the Planning Director or designee, this application becomes the Minor Work Certificate of Appropriateness. It is valid until <u>01/01/2020</u> . Please post the enclosed placard form of the certificate as indicated at the bottom of the card. Issuance of a Minor Work Certificate shall not relieve the applicant, contractor, tenant, or property owner from obtaining any other permit required by City Code or any law. Minor Works are subject to an appeals period of 30 days from the date of approval.	
Signature (City of Raleigh) <u>Collette R K</u>	Date <u>07/01/2019</u>

	To be completed by applicant		Office Use Only		
	Yes	N/A	Yes	No	N/A
Attach 8-1/2"x11" or 11"x17" sheets with written descriptions and drawings, photographs, and other graphic information necessary to completely describe the project. Use the checklist below to be sure your application is complete. <u>Minor Work</u> (staff review) – 1 copy <u>Major Work</u> (COA Committee review) – 1 copy (10 copies will be required after initial staff review).	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1. Written description. Describe clearly and in detail the nature of your project. Include exact dimensions for materials to be used (e.g. width of siding, window trim, tree species, etc.)	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Description of materials (Provide samples, if appropriate)	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Color Photographs of existing conditions are required. Minimum image size 4" x 6" as printed. Maximum 2 images per page. Photos should be of each side of the house, fully show the yards, and include streetscapes.	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Paint Schedule (if applicable)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Site Drawings. Required for projects that include any addition, demolition, fences, walls, or other landscape work. <ul style="list-style-type: none"> • <u>Plot plan</u> showing relationship of buildings, additions, sidewalks, drives, trees, property lines, etc. • Tree survey include size, species, and critical root zone for each tree over 8" diameter when measured 4' above ground level • Tree protection plan include material staging area, construction access, limits of disturbance, location of tree protection fencing • Grading plan • Dimensions shown on drawings and/or graphic scale (required) • 11"x17" or 8-1/2"x11" reductions of full-size drawings 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Architectural Drawings showing existing and proposed work (if applicable) <ul style="list-style-type: none"> • Plan drawings • Elevation drawings showing the façade(s). For additions, deck, and porches, include the grade. • Dimensions shown on drawings and/or graphic scale (required) • 11" x 17" or 8-1/2" x 11" reductions of full-size drawings. If reduced size is so small as to be illegible, make 11" x 17" or 8-1/2" x 11" snap shots of individual drawings from the big sheet. 	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7. Stamped envelopes addressed to all property owners within 100 feet of property, on all sides of the property, as well as the property owner (required for Major Work). Use the <u>Label Creator</u> to determine the addresses.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8. Fee (See Development Fee Schedule)	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Raleigh

MEMO

TO: Raleigh Historic District Commission

FROM: Gary Claiborne, Capital Projects Manager

DEPARTMENT: Parks, Recreation, and Cultural Resources

DATE: May 16, 2019

SUBJECT: Raleigh Rose Garden Stormwater Improvements Project

In order to alleviate the negative effects of stormwater on the Rose Garden, the Raleigh Parks, Recreation and Cultural Resources Department, working in cooperation with the Stormwater Management Water Quality Division, intends to construct a new stormwater bioretention feature and provide additional improvements to the park's existing stormwater infrastructure. SEPI Engineers is the project's design consultant.

Project Background

The Raleigh Rose Garden is a unique venue within the City of Raleigh Parks, Recreation and Cultural Resources Department (PRCR). The garden was originally dedicated in 1951 and is part of the historically-designated Raleigh Little Theatre campus (landmarked 1990). The garden is composed of over 60 rose beds each displaying a unique variety. Additional perennial beds and woody plants define the perimeter of the garden. The garden is open to the public and is frequently rented for wedding and other special events. Events are managed via the Raleigh Little Theatre.

Topographically the Rose Garden is located within a low bowl. Heavy rainfall events frequently cause the garden to flood to depth of over a foot with floodwaters typically receding in 2 to 24 hours. This flooding is creating maintenance challenges for City staff (clogged grate inlets; sediment and debris; and rose and grass health issues).

PRCR started working with the Stormwater and Watershed Planning Section within Engineering Services in 2015 to evaluate the existing drainage system and develop recommendations to alleviate flooding. The report was finalized in July 2016. Below is a summary of the report.

- There are two drainage systems that contribute to the flooding at the Rose Garden. The primary drainage system is a City maintained system conveying the upstream (offsite) stormwater runoff through the property to a downstream receiving system. The secondary system is composed of roof leaders, roadside gutters, curb cuts, grassed swales, drainage inlets, drainage grates, and relatively small diameter closed pipes.
- Five design alternatives were evaluated ranging from small improvements to the secondary drainage system to bringing the City's primary drainage system up to minimum City design requirements. Two of the evaluated

Municipal Building
222 West Hargett Street
Raleigh, North Carolina 27601

One Exchange Plaza
1 Exchange Plaza,
Raleigh, North Carolina 27601

City of Raleigh
Post Office Box 590 • Raleigh
North Carolina 27602-0590
(Mailing Address)

alternatives involved making retrofit improvements to the secondary drainage system that would provide water quality benefits for the downstream watershed. These water quality retrofits were conceived to bring a water quality and educational outreach benefit to the watershed and qualify the project for the City's stormwater cost share program.

Following issuance of the report, PRCR decided to further pursue Alternative #2, described below.

- Alternative #2 focuses on improving the secondary drainage system by redirecting the runoff coming from the roof top of the Little Theatre building, the entrance road off Pogue Street, and the driveway and lower parking area.
- Stormwater flow is redirected into a bio-engineered stormwater feature that would reduce flooding in the lower bowl while providing water quality benefits for the receiving watershed.
- The bio-engineered stormwater feature was conceptualized as a relatively wide, shallow grassed swale with an underdrain system composed of well-draining soils. Overflow from the stormwater feature would tie into the existing City drainage system exiting the north side of the Garden
- This alternative would qualify the project for water quality assistance funding from the City of Raleigh's stormwater cost share program.

Existing Stormwater Infrastructure (Primary Drainage System)

The existing site drainage system is shown in the attached City of Raleigh PUMA maps. Four drain lines currently feed into an existing manhole structure located immediately beside the Garden fountain basin. The manhole is sunken and presents a physical impediment in the landscape.

- 18" drainage line feeds in from the south (Amphitheatre area and Clark Avenue)
- 12" line feeds in from the east (street drains at the intersection of Pogue Street and Everett Avenue.)
- 12" line feeds in from the west (street drain on Pogue Street)
- 12" line feeds in from the southeast (area drain in garden)
- From the structure by the fountain basin, the three lines combine into a single 24" line running north. The 24" line then ties into a 30" pipe exiting the Garden, going under Pogue Street, and into Isabella Cannon Park. This line eventually discharges into a stream close to the intersection of Bedford Avenue and Phelps Avenue.

Project Design Plans

In Fall 2018, PRCR contracted with SEPI Engineers to take the project from concept to full design, including preparation of permit and bid documents, bid services, and construction administration. SEPI based their design mainly on the recommendations in Alternative #2 in the 2016 report (described previously). The plans primarily address the secondary drainage system but also add

improvements to the primary drainage infrastructure. Project costs for both design and construction are shared between PRCR and the Stormwater cost share program. ***For additional information, see the design plans included in this application.***

Design Plan overview:

- Construction is planned start around late-November/early December 2019. Construction is expected to take 120 days (end March 2020).
- Roses within the limits of construction will be removed by PRCR horticultural and maintenance staff prior to the start of construction. Roses will be re-installed immediately after construction by PRCR staff.
- The planned stormwater bioretention feature is located on the east side of the Garden, between the rose beds and Raleigh Little Theatre building. Feature is divided into upper and lower treatment areas separated by a stone weir. The weir serves the role of slowing and containing stormwater flow. The feature will be 12" deep and designed to hold 6" of ponded water. Bioswale soil media will be installed at bottom of feature to allow for water infiltration. The media is underlaid with a layer of permeable sand and stone surrounding a perforated pipe that will connect to the primary pipe infrastructure. See details on Plan C 5.0.
- Two new drop inlets (curb and gutter) will be installed in the driveway/parking area with direct pipe connections to the bioretention feature. The outlets on the upper end of the feature are protected by a small area of riprap.
- For large storms, there will be an outlet structure at the lower end of bioretention feature. Structure will be buffered by new plantings (see last bullet below).
- A new underground drainage line network will carry stormwater device overflow as well as re-directing the existing underground drainage pipe network.
 - Overflow from the bioretention feature will be tied into a new drain line running west and across the rose beds. The drain line then wraps around the west side of the garden arbor and then runs north to connect into the existing 36" pipe exiting the north side of garden. This alignment, coordinated with PRCR arborist staff, is to avoid the critical root zones of trees.
 - The existing 18" drainage line coming up from the Amphitheatre area and the 12" line from Pogue Street (west side) will tie into the new cross garden drain line.
 - The existing 12" line from Pogue Street/Everett Avenue will be diverted short of the basin manhole and reconnect to the existing 24" line north of the basin.
 - The existing manhole by the fountain basin will no longer be needed and will be filled and abandoned (surface hatch removed). This will allow for a future paved path around the basin. (Note that this path not part of this project and is currently not funded nor designed.) The existing Garden area drain (12" line) will be abandoned as it is no longer required.
- Construction and tree protection fencing will be installed to protect the public and the critical root zones of existing trees.

- Immediately after construction completion, all roses are to be re-installed in their original locations and the beds aligned to match the existing configuration.
- For the year following construction, the bioretention feature will be planted with native perennials, grasses, and small woody plants appropriate for the Rose Garden aesthetic as well as working within the soil and site conditions of the stormwater feature.
 - Plant selection will be primarily for species considered to the native pollinators.
 - Installation will be performed by PRCR horticultural staff with the intent to integrate the new plants with the existing landscape bed located to the immediate east of the stormwater feature. This will visually create a single, large landscape bed.
 - Since a wide variety of new plants will be installed, all plants will be installed at the best time of year. Therefore, all plants may not be fully installed until a year after end of construction.
 - Note that the plant installation broadens from the grassed swale concept originally described in the 2016 report. The mix of new plantings will provide an additional layer of water quality benefits.

Pre- and Post-Construction Rose Bed Planning (PRCR staff)

Due to the alignment of the new underground drain line infrastructure, all roses within the construction limits will be removed by PRCR horticultural and gardening staff prior to the start of construction. PRCR has initially consulted with David Pike of Witherspoon Rose Culture on proper methods for rose removal, winter storage, and rose re-planting. PRCR's plan is to contract with Witherspoon Rose Culture for additional consulting and oversight as rose work is performed by PRCR staff. As described by David Pike, the removal and re-installation of the roses, along with new planting bed preparation, will be a chance to help rejuvenate the individual plants. *It should also be noted that David Pike states no roses varieties within the impacted construction area are unique and all varieties are readily available should any of the roses die in this process. David is also figuring that none of the roses are older than 40 years with many more recently installed.*

Rose removal is planned to occur in mid-November as the plants will be going into seasonal dormancy at that time. All roses will be cut back and tagged per variety and location. Roses will be carefully dug up and placed into five- or seven-gallon pots (based on root size). The current plan is to store the roses on site, outside of the construction zone, and fenced for protection. Once construction is completed, roses will be re-installed to new beds matching the existing (historic) bed layout and size. Any rose lost during winter storage will be replaced by new roses matching the original variety.

Witherspoon is currently under contract with the City of Raleigh to perform seasonal spraying and maintenance at the Rose Garden. Witherspoon's contract will be extended to include the company as professional consultants thus helping to ensure roses are tagged and received proper care.

Public Information and Outreach

The design of this project has been overseen by planning, maintenance, and horticultural staff within the PRCR as well as staff within the Office of Raleigh Arts (PRCR), Stormwater Management Division (Quality Improvement Section), and the Raleigh Little Theatre. The project is considered a

maintenance project. There will be a public outreach campaign once project permitting is completed and prior to construction bidding. PRCR Marketing staff will be coordinating with the Raleigh Little Theatre to fully inform both the local community and city at large of the project's overall site improvement needs, long-term goals, project design, and construction schedule. Information will be distributed via the PRCR project and Rose Garden websites; press releases prepared by PRCR marketing staff; and site information signage. Informational presentations will be held before the Hillsborough-Wade Citizens Advisory Council and Parks, Recreation and Greenway Advisory Board. PRCR's intent is for areas of the Rose Garden/ Raleigh Little Theatre campus, outside of the construction limits and staging areas, to remain open to the public.

Attachments

- Raleigh Rose Garden plans (SEPI), revision date April 16, 2019
- Site Photographs – Existing Conditions
- City of Raleigh PUMA stormwater utility infrastructure map of Rose Garden

Raleigh Rose Garden – Site Photographs for COA Application



Raleigh Rose Garden – Site Photographs for COA Application



Raleigh Rose Garden – Site Photographs for COA Application



Raleigh Rose Garden – Site Photographs for COA Application



Raleigh Rose Garden – Site Photographs for COA Application



Kinane, Collette

From: Claiborne, Gary
Sent: Wednesday, June 12, 2019 4:58 PM
To: Kinane, Collette
Subject: RE: minor work COA review - Raleigh Little Theater/Rose Garden
Attachments: 2019-06-11 Rose Garden RHDC COA 2nd submittal.pdf

Collette,

Thank you again for your review of the Rose Garden plans. We have had Patrick Davis, one of our PRCR ISA Certified Arborists, review the trees originally scheduled for removal. Per his email below, he is recommending the 15" tree for removal, but the 24" does not qualify. Therefore, to avoid a Major Work COA, I have asked our consultant to revise the plans to save the 24" tree (including revising the plans for less grading impact in the critical root zone). The plans (C-2.0) also show a new, replacement tree for the 15" tree.

Revised plans are attached. Please let me know if you need any additional information/clarifications to complete your review.

Thank you,

Gary Claiborne
Capital Projects Manager
City of Raleigh Parks, Recreation and Cultural Resources

From: Davis, Patrick
Sent: Friday, May 31, 2019 12:01 PM
To: Claiborne, Gary <Gary.Claiborne@raleighnc.gov>
Cc: Manor, Zachary <Zachary.Manor@raleighnc.gov>; Crum, Chris <Christopher.Crum@raleighnc.gov>
Subject: RE: minor work COA review - Raleigh Little Theater/Rose Garden

Gary,

I Inspected the 15 inch, and the 24 inch DBH red cedars this morning. The 15 inch red cedar was found to be unhealthy and hazardous. It was showing significant dieback, trunk decay and was leaning into the rose garden area. I would recommend removal.

The 24 inch red cedar does not currently meet the definition of unhealthy or hazardous. It was showing some signs of dieback in the upper crown, but it did not exceed the 30% threshold found in the cities definition of unhealthy. The tree does not currently show any signs of a structural defect that would indicate to me that the tree is a hazard.

Let me know if you have any questions.

Thanks,

Patrick Davis
ISA Certified Arborist NE-6907AM
Urban Forestry Inspector
City of Raleigh

Collette R. Kinane
Preservation Planner II

■ **Raleigh Urban Design Center**
One Exchange Plaza, Suite 300 | Raleigh, NC 27601
919-996-2649 | raleighnc.gov

Raleigh Rose Garden

301 Pogue Street | Raleigh, NC

Raleigh Historic Development Commission
Certificate of Appropriateness Application
Resubmittal: June 11, 2019



1 GLENWOOD AVE, SUITE 600 | RALEIGH, NC 27603
PHONE | 919.789.9977
11020 DAVID TAYLOR DR., SUITE 115 | CHARLOTTE, NC 28262
PHONE | 704.714.4880
5030 NEW CENTRE DR., SUITE B | WILMINGTON, NC 28403
PHONE | 910.523.5715
seplinc.com



THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE MANNER AND HAVE NOT BEEN RECONFINED HEREIN BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NOTICE:
CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. NEITHER THE OWNER NOR THE ENGINEER SHALL BE EXPECTED TO ASSUME ANY RESPONSIBILITY FOR SAFETY OF THE WORK, OF PERSONS ENGAGED IN THE WORK, OF ANY NEARBY STRUCTURES, OR OF ANY OTHER PERSONS.

PROJECT TEAM

OWNER/DEVELOPER:

CITY OF RALEIGH
PARKS, RECREATION AND CULTURAL RESOURCES
222 West Hargett Street
Raleigh, NC 27601

Contact:
Gary Claiborne
Capital Projects Manager
PH: (919) 996-2677
gary.claiborne@raleighnc.gov

CONSULTANTS:

SEPI ENGINEERING & CONSTRUCTION, INC.
1025 Wade Avenue
Raleigh, NC 27605
PH: (919) 789-9977

Landscape Architect:
Jeff Westmoreland, RLA
PH: (919) 747-5858
jwestmoreland@sepiengineering.com

S&ME
3201 Spring Forest Road
Raleigh, NC 27605
PH: (919) 872-2660

Geotechnical Engineer:
Kevin Nadeau, P.E.
PH: (919) 872-2660
knadeau@smeinc.com

GENERAL NOTES:

- UNLESS EXPLICITLY SPECIFIED ON THIS SITE PLAN, THIS PROJECT SHALL COMPLY WITH THE CITY OF RALEIGH UNIFIED DEVELOPMENT ORDINANCE (UDO) AND ALL OTHER APPLICABLE REGULATIONS AND GUIDELINES. IN THE EVENT OF A DISCREPANCY BETWEEN THIS APPROVED PLAN AND THE APPLICABLE REGULATIONS OR GUIDELINES, THE MORE STRINGENT SHALL APPLY.
- CONTRACTOR SHALL HAVE A CURRENT COPY OF CITY OF RALEIGH STANDARD DETAILS AND SPECIFICATIONS ON SITE.
- CONTRACTOR TO OBTAIN COPIES OF ALL PERMITS PRIOR TO CONSTRUCTION, COMPLY WITH ALL REQUIREMENTS LISTED THEREIN, AND COORDINATE AND OBTAIN ALL INSPECTIONS.
- ERECT AND MAINTAIN TREE PROTECTION FENCING AROUND ALL TREE CONSERVATION AND PROTECTION AREAS THROUGHOUT CONSTRUCTION.
- PROTECTION OF EXISTING VEGETATION: AT THE START OF GRADING INVOLVING THE LOWERING OF EXISTING GRADE AROUND A TREE OR STRIPPING OF TOPSOIL, A CLEAN, SHARP, VERTICAL CUT SHALL BE MADE AT THE EDGE OF THE TREE CONSERVATION AREA AT THE SAME TIME AS OTHER EROSION CONTROL MEASURES ARE INSTALLED. THE TREE PROTECTION FENCING SHALL BE INSTALLED ON THE SIDE OF THE CUT FARTHEST AWAY FROM THE TREE TRUNK AND SHALL REMAIN IN PLACE UNTIL ALL CONSTRUCTION IN THE VICINITY OF THE TREES IS COMPLETE. NO STORAGE OF MATERIALS, FILL, OR EQUIPMENT AND NO TRESPASSING SHALL BE ALLOWED WITHIN THE BOUNDARY OF THE PROTECTED AREA.
- PROTECT ALL PROPERTY MONUMENTS AND PINS. MONUMENTS AND PINS THAT WILL BE DISTURBED DURING CONSTRUCTION SHALL BE REFERENCED AND REPLACED BY A LICENSED LAND SURVEYOR AT A COST TO THE CONTRACTOR.
- BOUNDARY, TOPOGRAPHICAL AND UTILITY INFORMATION SHOWN ON THIS PLAN TAKEN FROM AN ELECTRONIC COPY OF A PARTIAL SITE SURVEY PREPARED BY THE CITY OF RALEIGH DATED 02/04/16. ADDITIONAL CONTEXTUAL INFORMATION OBTAINED FROM CITY OF RALEIGH G.I.S. / IMAPS.
- THE CONTRACTOR SHALL OBTAIN A RIGHT-OF-WAY PERMIT FROM THE TRANSPORTATION OPERATION DIVISION/PUBLIC WORKS DEPARTMENT FOR ANY WORK WHICH REQUIRES THE CLOSURE OF A TRAVEL LANE(S) AND/OR SIDEWALK.
- FIELD ADJUSTMENTS TO THIS PLAN MAY BE REQUIRED BY CITY OF RALEIGH INSPECTORS AS NEEDED DURING CONSTRUCTION.

VICINITY MAP



SHEET INDEX

- C-0.0 COVER SHEET
- C-1.0 EXISTING CONDITIONS/DEMOLITION PLAN
- C-2.0 SITE PLAN
- (C-3.0 left blank intentionally)
- C-4.0 GRADING AND STORM DRAINAGE PLAN
- C-5.0 SITE DETAILS
- C-5.1 SITE DETAILS
- C-6.0 STORM DRAINAGE DETAILS



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RALEIGH ROSE GARDEN

City of Raleigh
Parks, Recreation and Cultural Resources

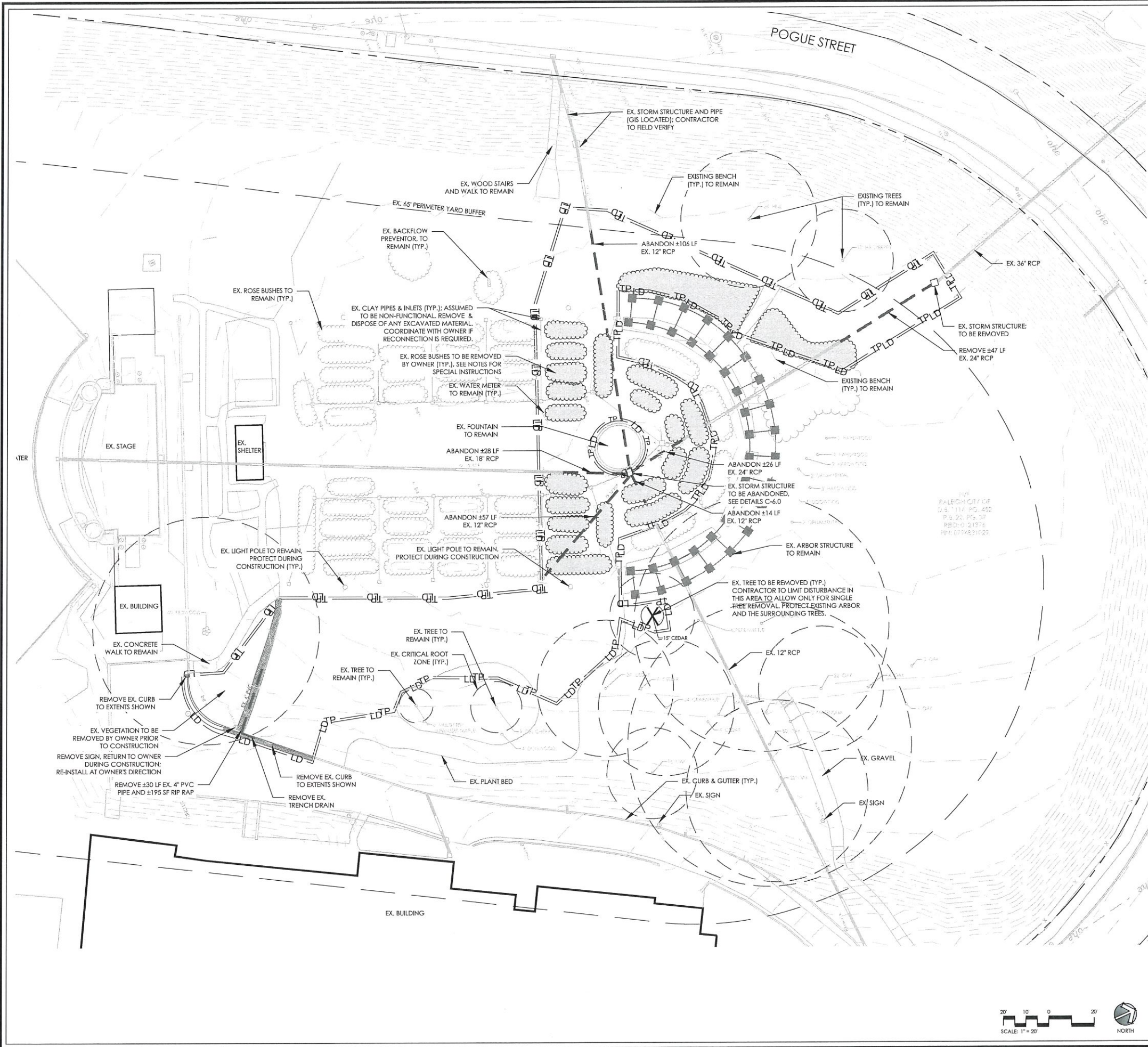
Client Contact
Gary Claiborne, City of Raleigh
Capital Projects Manager
222 W. Hargett Street
Raleigh, NC 27601
919-996-2677
gary.claiborne@raleighnc.gov

CERTIFICATE OF APPROPRIATENESS APPLICATION

PROJECT:	DATE
SE18.185	
ISSUE:	DATE
RHDC COA APPLICATION	04.16.2019
-	-
-	-
-	-
-	-
REVISIONS:	DATE
RHDC 1st Review Comments	06.11.2019
-	-
-	-
-	-
-	-
-	-
PROJ. MGR:	J. WESTMORELAND
DRAWN BY:	N. YOUNG / L. SMITH
CHECKED BY:	J. WESTMORELAND

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL CITY OF RALEIGH AND NCDOT STANDARDS AND SPECIFICATIONS

COVER
C-0.0



EXISTING CONDITIONS NOTES:

- BOUNDARY, TOPOGRAPHIC, & UTILITY INFORMATION SHOWN ON THIS PLAN TAKEN FROM AN ELECTRONIC COPY OF A SURVEY PREPARED BY THE CITY OF RALEIGH DATED 02-04-2016. ADDITIONAL CONTEXTUAL INFORMATION OBTAINED FROM WAKE COUNTY G.I.S. AND MAPS.
- INDIVIDUAL TREE LOCATIONS OBTAINED VIA HANDHELD GPS AND FIELD MEASUREMENTS.
- EXISTING UTILITIES ARE SHOWN FROM THE BEST AVAILABLE INFORMATION AND ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THESE AND OTHER UTILITIES BEFORE STARTING CONSTRUCTION. NOTIFY UTILITY LOCATING COMPANY (ONE CALL @ 1-800-632-4949) OR INDIVIDUAL UTILITY OWNERS FOR UNDERGROUND LOCATIONS AT LEAST 48 HOURS IN ADVANCE.
- EROSION CONTROL MEASURES AND TREE PROTECTION FENCE SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION ACTIVITIES.
- COORDINATES SHOWN ARE GRID COORDINATES.
- ALL BEARINGS ARE GRID BEARINGS UNLESS OTHERWISE NOTED.
- ALL DISTANCES ARE HORIZONTAL GROUND DISTANCES UNLESS OTHERWISE NOTED.

DEMOLITION NOTES:

- WORK ON THIS PROJECT SHALL CONFORM TO THE LATEST EDITIONS OF THE CITY OF RALEIGH STANDARDS AND SPECIFICATIONS, THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION (NCDOT) ROAD AND BRIDGE SPECIFICATIONS, THE NCDOT ROAD AND BRIDGE STANDARDS, THE NORTH CAROLINA EROSION AND SEDIMENT CONTROL HANDBOOK, THE NORTH CAROLINA EROSION AND SEDIMENT CONTROL REGULATIONS. THE MOST STRINGENT SHALL GOVERN.
- ANY DISCREPANCIES FOUND BETWEEN THESE DRAWINGS AND SPECIFICATIONS AND SITE CONDITIONS, OR ANY INCONSISTENCIES OR AMBIGUITIES IN DRAWINGS OR SPECIFICATIONS, SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER, IN WRITING, WHO SHALL PROMPTLY ADDRESS SUCH INCONSISTENCIES OR AMBIGUITIES. WORK DONE AFTER DISCOVERY, WITHOUT ATTEMPTING TO CONTACT THE DESIGN ENGINEER, WILL BE DONE AT THE CONTRACTOR'S RISK.
- MAINTENANCE OF TRAFFIC AND TRAFFIC CONTROL IS THE SOLE RESPONSIBILITY OF THE SITE CONTRACTOR. THESE PLANS ARE TO SERVE ONLY AS A GENERAL GUIDE AND IN NO WAY LIMITS THE SITE CONTRACTOR FROM MAINTAINING TRAFFIC CONTROL IN ACCORDANCE WITH NCDOT STANDARDS AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, OR AS DIRECTED BY THE LOCAL MUNICIPALITY.
- BEFORE STARTING ANY CONSTRUCTION OF IMPROVEMENTS WITHIN ANY NCDOT STREET OR HIGHWAY RIGHT-OF-WAY, OBTAIN ALL PERMITS AND ENCROACHMENTS. CROSS CHECK SPECIAL PROVISIONS WITH PLANS. MAINTAIN A COPY OF ALL PERMITS ON SITE. CONTACT LOCAL DISTRICT ENGINEER (919) 733-3213 24 HOURS BEFORE PLACING ANY CURB AND GUTTER WITHIN NCDOT RIGHT-OF-WAY.
- CONTRACTOR TO ACQUIRE PROPER DEMOLITION PERMITS PRIOR TO REMOVAL OF EXISTING STRUCTURES/UTILITIES.
- SITE CONTRACTOR SHALL BE RESPONSIBLE TO CONTROL AND TO INITIATE CLEAN-UP OF LITTER AND REFUSE GENERATED BY HIMSELF AND SUBCONTRACTORS. THE CLEAN-UP OF LITTER AND REFUSE SHALL BE DONE ON A REGULAR BASIS, AND SHALL INCLUDE INITIATING ACTION AND ASSUMING ANY COST IN REMEDYING THE SITUATION. ALL REFUSE AND DEBRIS SHALL BE DISPOSED OF LAWFULLY AT AN OFF-SITE LOCATION.

OTHER NOTES:

- ALL ROSE BUSHES WITHIN THE LIMITS OF DISTURBANCE SHALL BE REMOVED BY CITY OF RALEIGH PARKS, RECREATION AND CULTURAL RESOURCES (PRCR) STAFF PRIOR TO ANY CONSTRUCTION ACTIVITY.
- ALL ROSE BUSHES THAT ARE REMOVED SHALL BE STORED, AND PROTECTED BY CITY OF RALEIGH PRCR STAFF. STORAGE LOCATION FOR ROSES DURING CONSTRUCTION TO BE DETERMINED BY PRCR STAFF.
- UPON COMPLETION OF CONSTRUCTION, ORIGINAL BED LAYOUT SHALL BE RE-ESTABLISHED AND ALL ROSE BUSHES PREVIOUSLY REMOVED SHALL BE INSTALLED BY PRCR STAFF IN THEIR ORIGINAL LOCATIONS.
- SPECIAL CARE FOR THE RE-ESTABLISHMENT OF THE ROSES SHALL BE PROVIDED BY CITY OF RALEIGH PRCR STAFF.



1 GLENWOOD AVE, SUITE 600 | RALEIGH, NC 27603
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11020 DAVID TAYLOR DR., SUITE 115 | CHARLOTTE, NC 28262
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5030 NEW CENTRE DR., SUITE B | WILMINGTON, NC 28403
PHONE | 910.323.5715
seplinc.com



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06.11.19



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RALEIGH ROSE GARDEN

City of Raleigh
Parks, Recreation and Cultural Resources

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919-996-2677
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CERTIFICATE OF APPROPRIATENESS APPLICATION

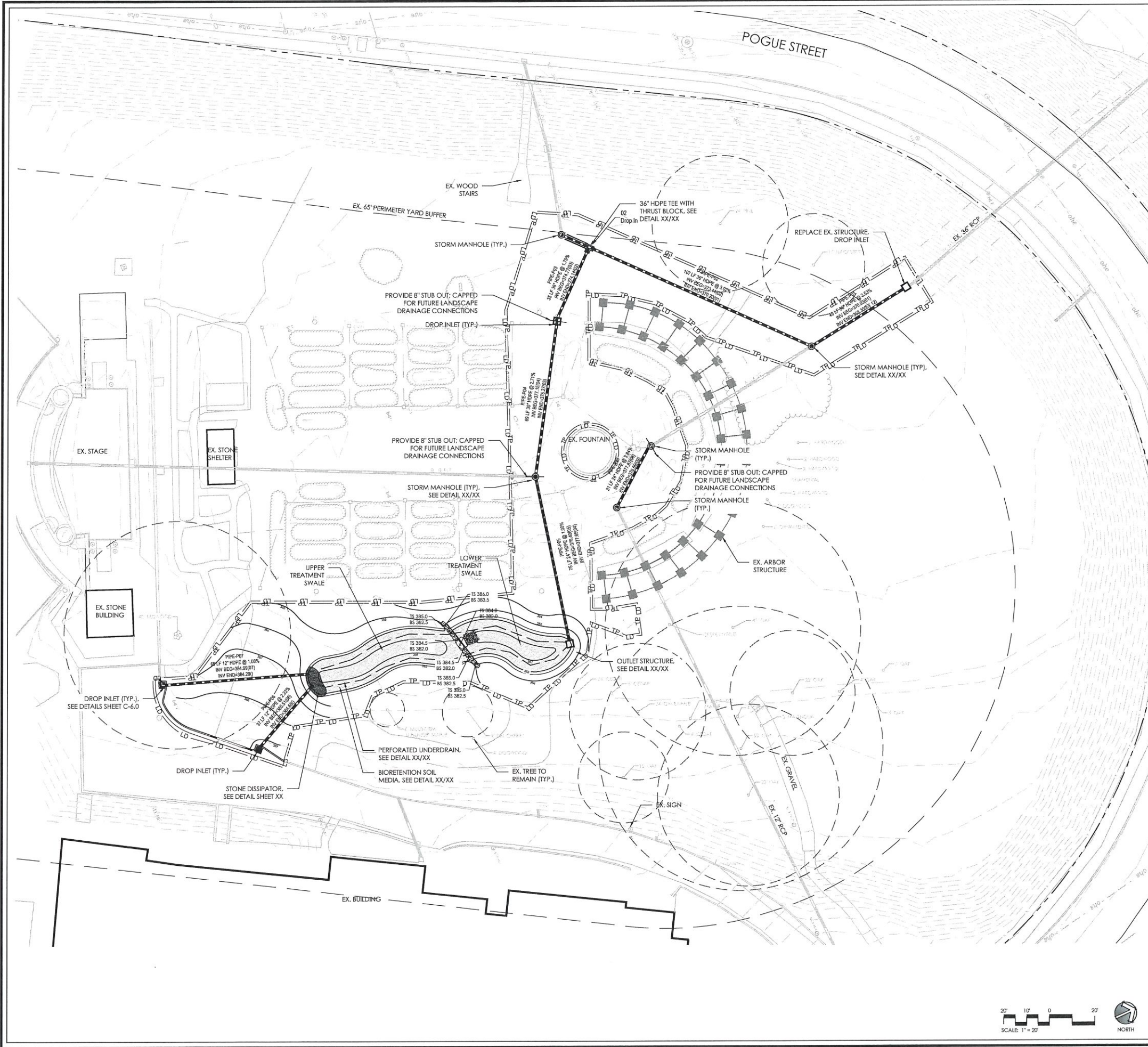
PROJECT:	DATE:
SE18.185	
ISSUE:	DATE:
RHDC COA APPLICATION	04.16.2019
REVISIONS:	DATE:
RHDC 1st Review Comments	06.11.2019

PROJ. MGR: J. WESTMORELAND
DRAWN BY: N. YOUNG / L. SMITH
CHECKED BY: J. WESTMORELAND

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL CITY OF RALEIGH AND NCDOT STANDARDS AND SPECIFICATIONS

EXISTING CONDITIONS/
DEMOLITION PLAN
C-1.0





GRADING NOTES:

- BOUNDARY, TOPOGRAPHICAL AND UTILITY INFORMATION SHOWN ON THIS PLAN TAKEN FROM AN ELECTRONIC COPY OF A PARTIAL SITE SURVEY PREPARED BY THE CITY OF RALEIGH DATED 02/04/16. ADDITIONAL CONTEXTUAL INFORMATION OBTAINED FROM CITY OF RALEIGH G.I.S. / IMAPS.
- THE TOP OF STONE (TS) AND BOTTOM OF STONE (BS) ELEVATIONS ARE GROUND ELEVATIONS AT THE FIELD PLACED BOULDERS.
- CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES BEFORE BEGINNING CONSTRUCTION.
- THE CONTRACTOR SHALL HIRE AN INDEPENDENT GEOTECHNICAL ENGINEER, LICENSED IN NORTH CAROLINA, TO PROVIDE THE FOLLOWING SERVICES (CRITICAL GEOTECHNICAL ENGINEERING ITEMS OF CONSTRUCTION MONITORING THAT REQUIRE SPECIAL INSPECTION):
 - EXAMINATION OF FOUNDATION SUBGRADE CONDITIONS
 - SUPERVISION OF SUBGRADE PREPARATION
 - SUPERVISION OF EXCAVATION AND BACKFILL PLACEMENT AND COMPACTION
 - SUPERVISION OF BEDDING, SUBGRADE AND BACKFILL CONSTRUCTION
 - FILL AND PAVEMENT MATERIALS TESTING
 - SUPERVISION OF PAVEMENT CONSTRUCTION
 - ALL TESTING NECESSARY TO ASSURE COMPLIANCE OF IN-PLACE MATERIALS.
- CONTRACTOR SHALL BLEND NEW EARTHWORK SMOOTHLY TO TRANSITION BACK TO EXISTING GRADE, WITH NO SHARP OR ABRUPT CHANGES.
- ALL FILL TO BE COMPACTED TO 95% DRY DENSITY (STANDARD PROCTOR) UNDER PAVEMENT.
- THE PROPOSED CONTOURS SHOWN ARE FINISHED ELEVATIONS. REFER TO SITE DETAILS TO ESTABLISH CORRECT SUB-BASE ELEVATIONS TO BE COMPLETED UNDER THIS CONTRACT.
- CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE SO THAT RUNOFF WILL FLOW BY GRAVITY AWAY FROM BUILDING(S) AND ACROSS NEW PAVEMENT AND/OR LANDSCAPE AREAS TO NEW OR EXISTING STORM DRAIN INLETS, SWALES, DITCHES OR OVERLAND SHEET FLOW.
- THE TREE PROTECTION FENCE SHALL BE MAINTAINED ON THE SITE UNTIL ALL SITE WORK IS COMPLETED AND THE FINAL SITE INSPECTION IS SCHEDULED. THE FENCING SHALL BE REMOVED IMMEDIATELY PRIOR TO FINAL EROSION CONTROL SITE INSPECTION.
- TURF SHALL BE ESTABLISHED IN ALL DISTURBED AREAS AND AREAS LEFT UNPAVED AND WITHOUT GRAVEL IN ACCORDANCE WITH THE SPECIFICATIONS AND LANDSCAPE PLANS.
- ROOT PROTECTION ZONE EQUALS 1 1/2 FEET OF RADIUS FOR EVERY INCH OF DIAMETER BREAST HEIGHT TREE TRUNK OF EXISTING TREES MEASURED AT 4 1/2 FEET ABOVE THE GROUND WITH THE TRUNK OF THE TREE AT THE CENTER OF THE CIRCLE, OR SEVEN FOOT RADIUS, WHICHEVER IS GREATER. NO DISTURBANCE ALLOWED WITHIN THIS AREA. AREA MUST BE PROTECTED WITH BOTH TREE PROTECTION FENCING AND WARNING SIGNS.
- AT THE START OF GRADING INVOLVING THE LOWERING OF EXISTING GRADE AROUND A TREE OR STRIPPING OF TOPSOIL, A CLEAN, SHARP, VERTICAL CUT SHALL BE MADE AT THE EDGE OF THE TREE SAVE AREA PRIOR TO OR AT THE SAME TIME AS SILT FENCE AND OTHER EROSION CONTROL MEASURES ARE INSTALLED. THE TREE PROTECTION FENCING SHALL BE INSTALLED ON THE SIDE OF THE CUT FARTHEST AWAY FROM THE TREE TRUNK AND SHALL REMAIN IN PLACE UNTIL ALL OF THE CONSTRUCTION IN THE VICINITY OF THE TREES IS COMPLETE. NO STORAGE OF MATERIALS, FILL, OR EQUIPMENT AND NO TRESPASSING SHALL BE ALLOWED WITHIN THE BOUNDARY OF THE PROTECTED AREA.
- THIS SITE IS NOT IN ANY SPECIAL FLOOD HAZARD AREAS OR FUTURE CONDITIONS FLOOD HAZARD AREAS.

PROJECT NOTE:

THE PROPOSED BIOTENTION CELL IS BEING INSTALLED TO QUALIFY FOR THE THE CITY OF RALEIGH WATER QUALITY ASSISTANCE FUNDING. THIS DEVICE IS A VOLUNTARY, NON-REGULATORY WATER QUALITY SCM AND IS NOT REQUIRED TO MEET NC DEQ'S MINIMUM DESIGN CRITERIA (MDC).



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3 WORKING DAYS BEFORE YOU DIG FOR THE LOCATION OF UNDERGROUND FACILITIES
Know what's below.
Call before you dig.

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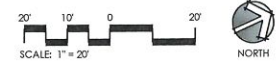
RALEIGH ROSE GARDEN

City of Raleigh
Parks, Recreation and Cultural Resources

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Capital Projects Manager
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CERTIFICATE OF APPROPRIATENESS APPLICATION

PROJECT:	SE18185	DATE
ISSUE:	RHDC COA APPLICATION	04.16.2019
REVISIONS:		
	RHDC 1st Review Comments	06.11.2019
PROJ. MGR:	J. WESTMORELAND	
DRAWN BY:	N. YOUNG / L. SMITH	
CHECKED BY:	J. WESTMORELAND	



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GRADING AND DRAINAGE PLAN C-4.0



RALEIGH ROSE GARDEN

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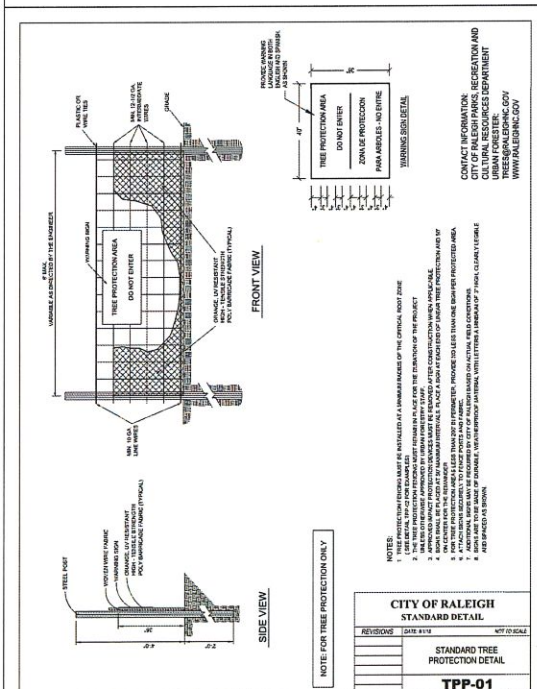
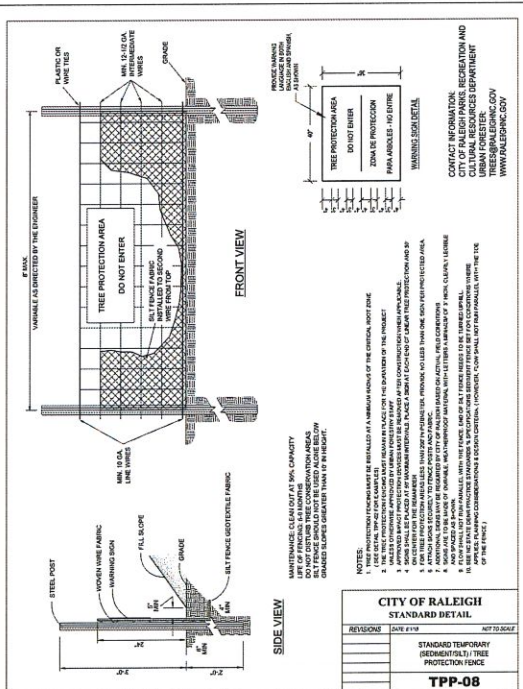
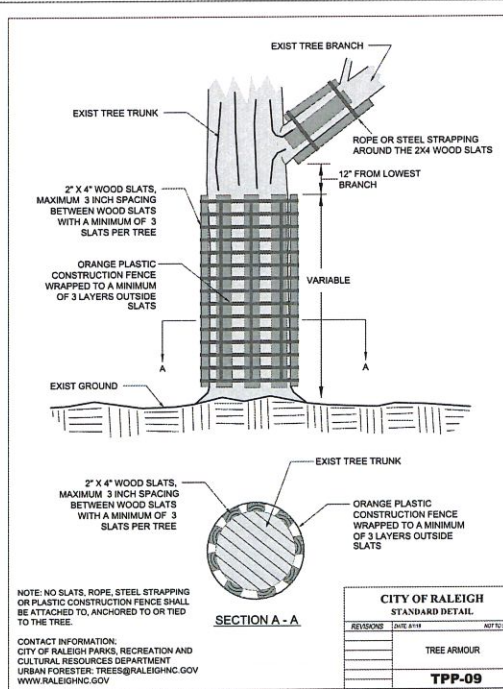
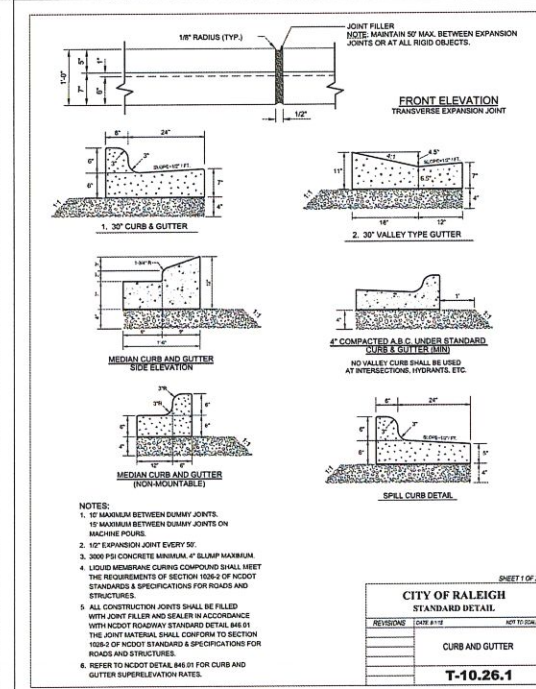
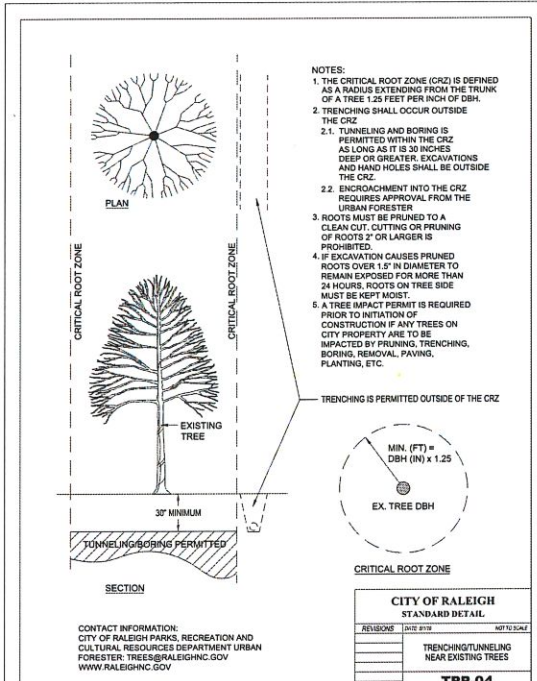
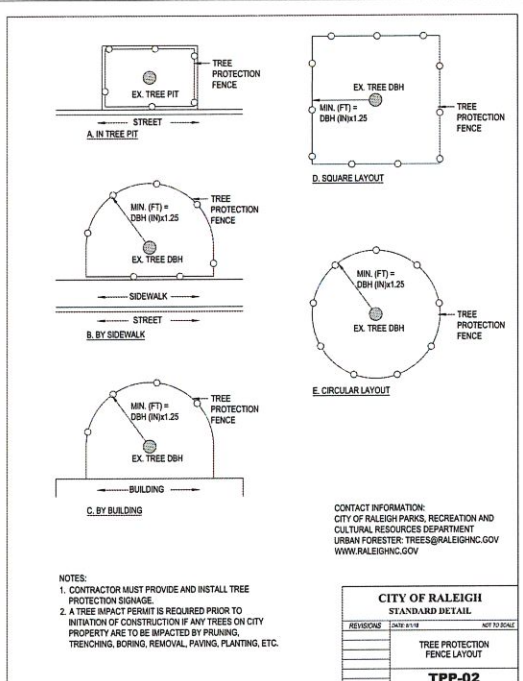
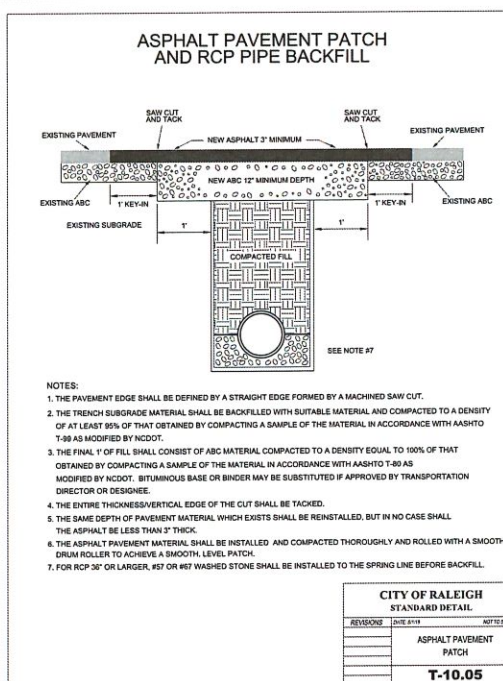
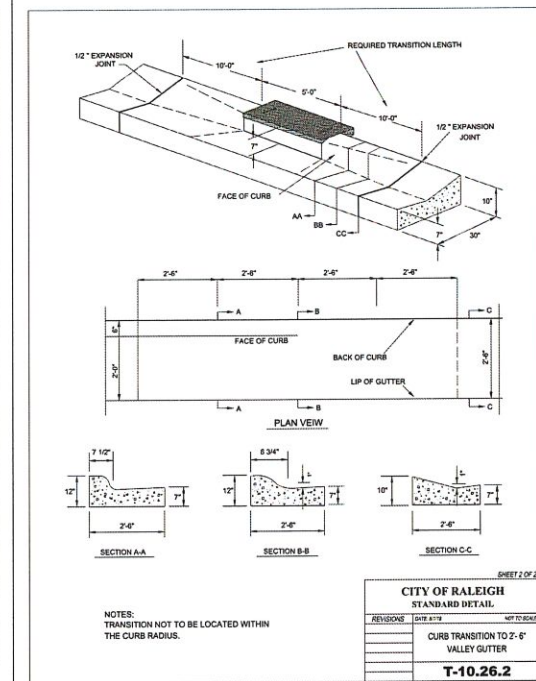
CERTIFICATE OF APPROPRIATENESS APPLICATION

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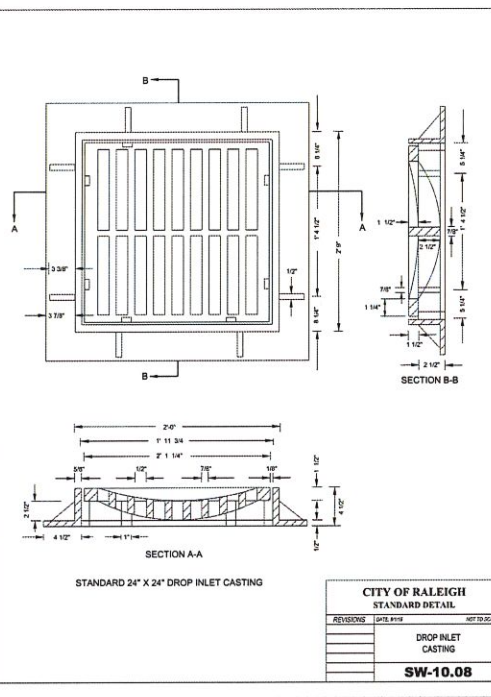
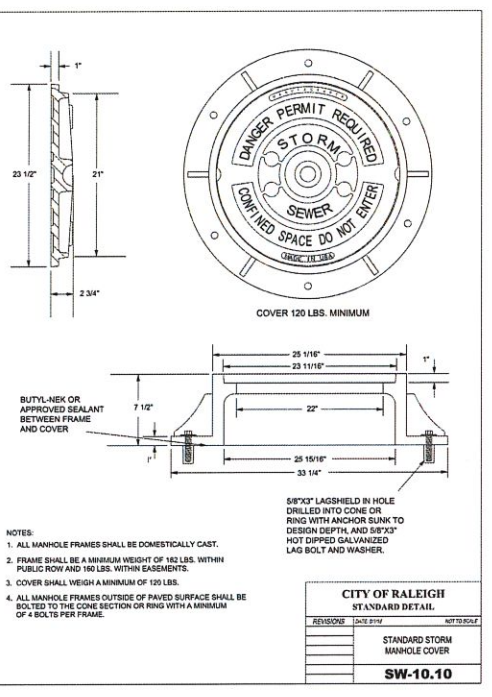
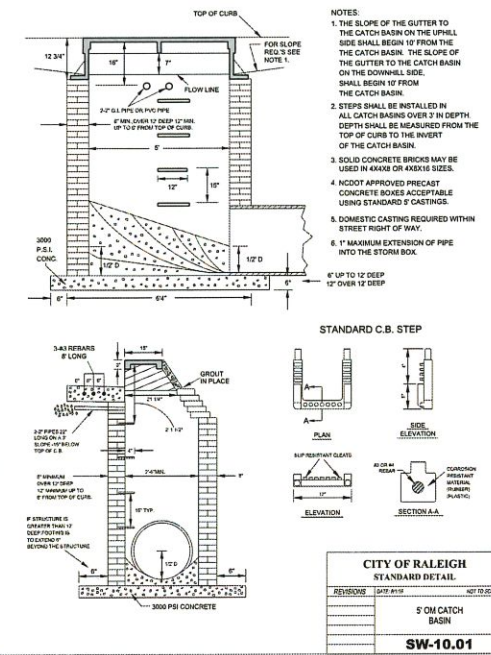
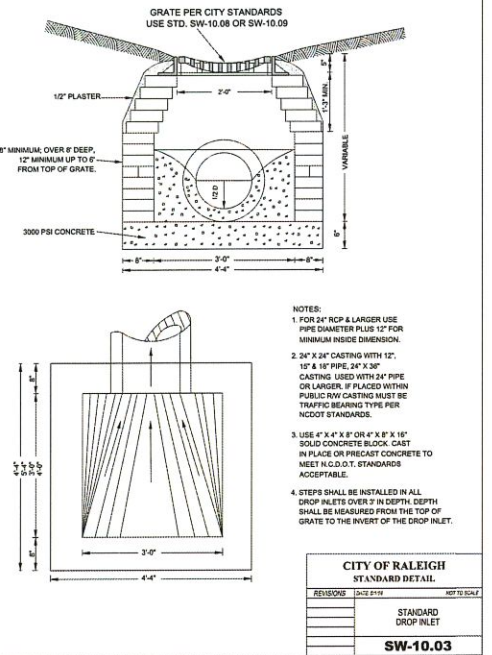
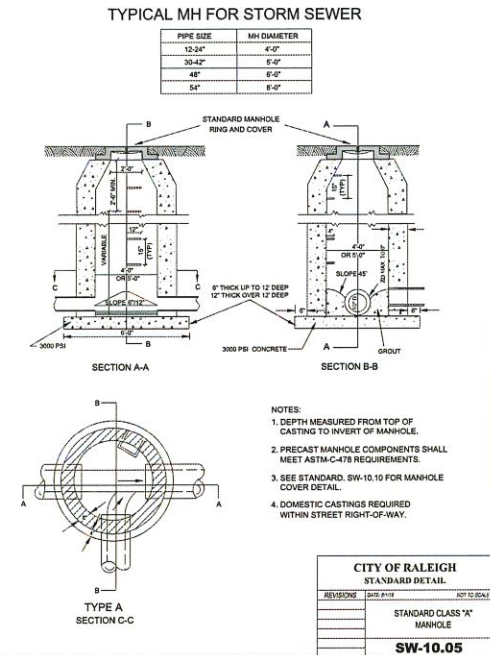
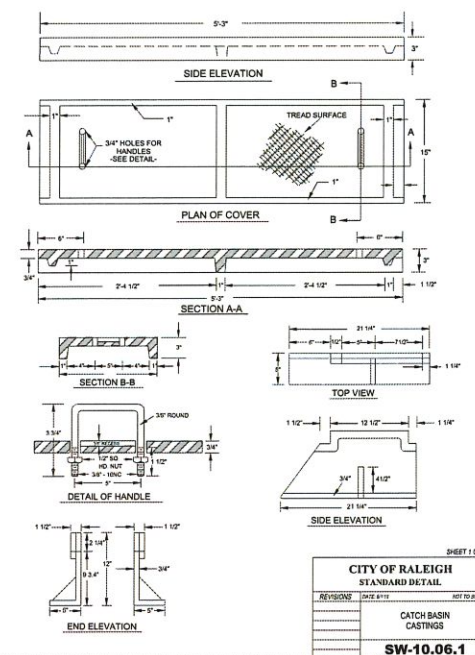
PROJ. MGR: J. WESTMORELAND
DRAWN BY: N. YOUNG / L. SMITH
CHECKED BY: J. WESTMORELAND

SITE DETAILS

C-5.1



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CERTIFICATE OF APPROPRIATENESS APPLICATION

PROJECT:	SEI8.185	DATE:	
ISSUE:	RHDC COA APPLICATION	04.16.2019	
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REVISIONS:	DATE	BY	NOT TO SCALE
RHDC 1st Review Comments	06.11.2019		
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PROJ. MGR: J. WESTMORELAND
DRAWN BY: N. YOUNG / L. SMITH
CHECKED BY: J. WESTMORELAND

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STORM DETAILS C-6.0