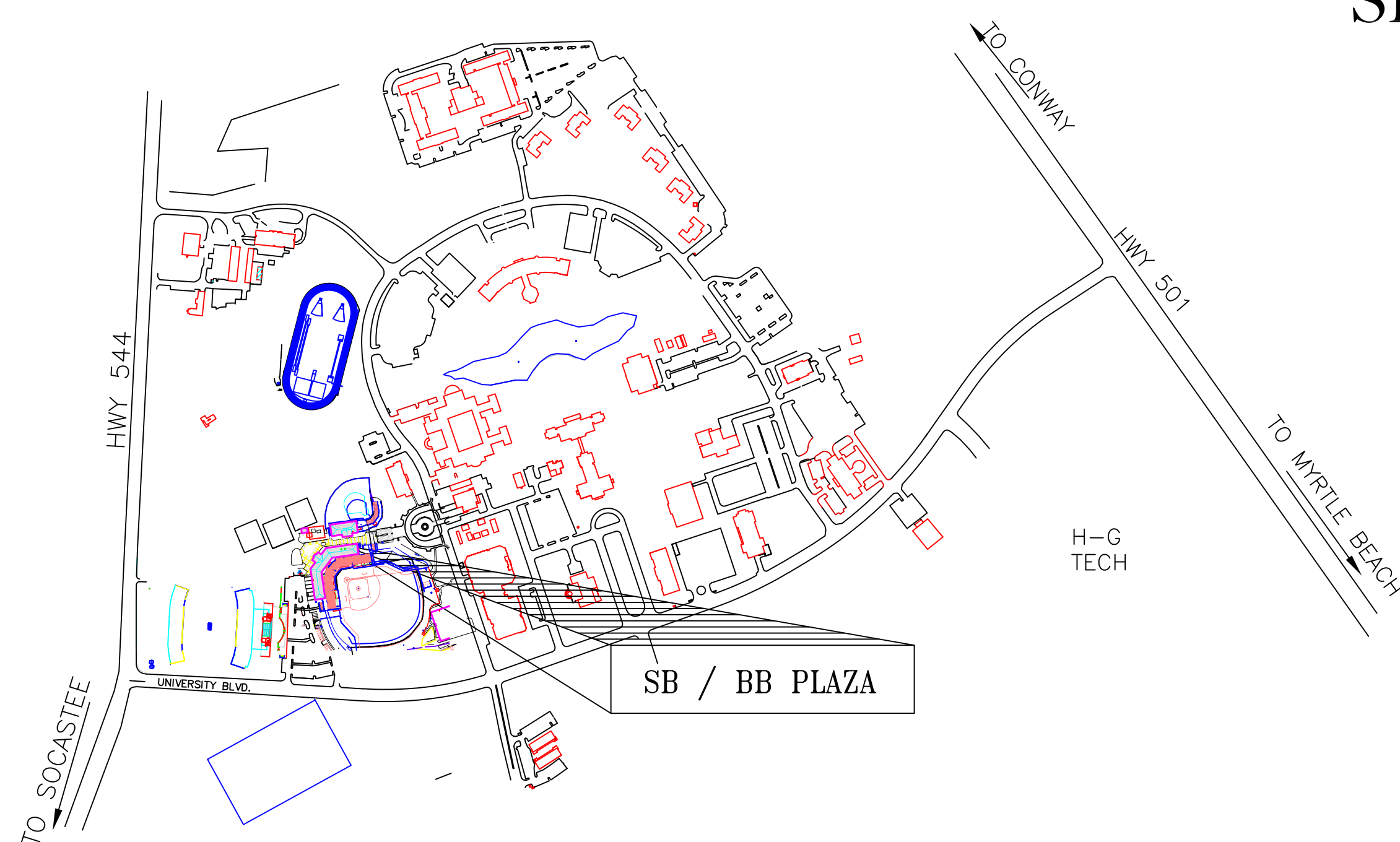




# COASTAL CAROLINA UNIVERSITY

## SB / BB PLAZA DRAINPIPE REPLACEMENT H17-N128-MJ

APRIL 28, 2021



VICINITY MAP

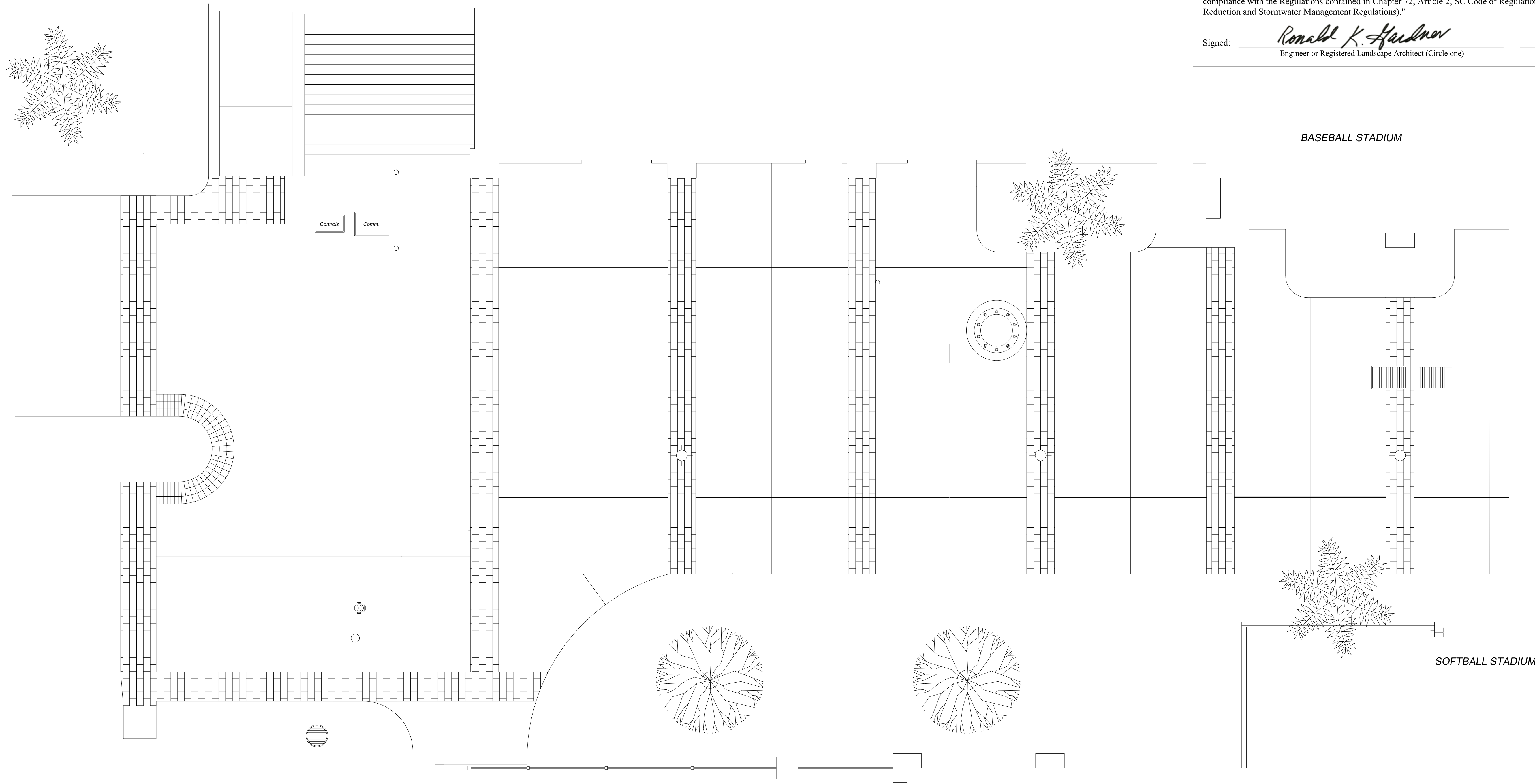
DRAWING INDEX	
SHEET #	NAME
1 OF 5	EXISTING SITE CONDITIONS
2 OF 5	PIPE REMOVAL LOCATIONS AND DEMOLITION NOTES
3 OF 5	CONCRETE & BRICK PAVER DEMOLITION PLAN
4 OF 5	NEW RCP AND CATCH BASINS PLAN
5 OF 5	DETAILS

REVISION	DATE

**EROSION AND SEDIMENT REDUCTION /STORMWATER MANAGAMENT**

Designer's Certification:  
 "I hereby certify that the measures in this plan are designed to control erosion, retain sediment on the site, and manage stormwater in a manner that neither any on-site nor off-site damage or problem is caused or increased, that all structural measures are designed to the minimum standards for health and safety, and that all the provisions of the plan are in compliance with the Regulations contained in Chapter 72, Article 2, SC Code of Regulations (Erosion and Sediment Reduction and Stormwater Management Regulations)."

Signed: *Ronald K. Friedman*      May 4, 2021  
 Engineer or Registered Landscape Architect (Circle one)      Date



**GENERAL NOTES**

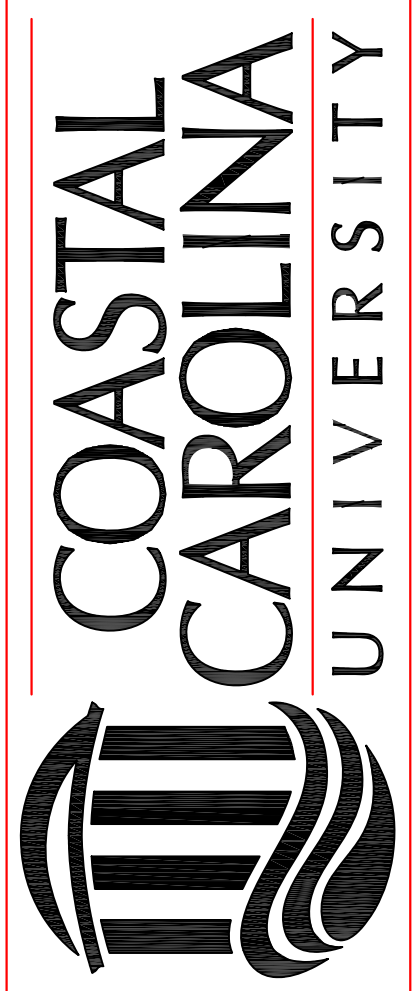
- Contractor is fully responsible for the coordination of the different parts of the project and how they fit together. Failure to coordinate by the general contractor will not be reason for change order work that has been done.
- The contractor will be fully responsible for keeping existing facilities in full service while they complete the work. Should work need to be done that would require the shutdown of such facilities, then it shall be done after hours, at night, or on weekends at no additional cost to the Owner.
- The materials specified shall be new and of quality called out in the drawings, specifications unless noted to be reused. The contractor shall provide the exact materials and place them in accordance with the documents and regulatory agency requirements.
- Reference to regulatory requirements and specifications shall mean they are as much a part of this design as those that are in the plans and specs and shall be followed as if they were fully enumerated in those documents. If there is a conflict between these documents and those of the regulatory agency, then the more restrictive of the two shall govern the construction unless the requirements are waived by the Owner by providing a letter from the Owner excepting deviation from the plans and assuming all risks associated there with the use of such deviations.

**EROSION CONTROL NOTES:**

- Contractor is responsible for properly disposing of excess material off-site or at the direction of the Owner.
- Contractor shall install and maintain throughout the construction project all erosion control counter measures shown on plans in accordance with applicable standards from the South Carolina Erosion and Sediment Control Regulations.
- During construction of the project, soil stockpiles and borrow areas shall be stabilized or protected with sediment trapping measures. The applicant is responsible for the temporary protection and permanent stabilization of all soil stockpiles on site as well as borrow areas and soil intentionally transported from the project site.
- Where construction vehicles access routes intersect paved or public roads, provisions shall be made to minimize the transport of sediment by vehicular tracking onto the paved surface. Where sediment is transported onto a paved or public road surface, the road surface shall be cleaned thoroughly at the end of each day. Sediment shall be removed from the roads by sweeping and transported to a sediment control disposal area. Street washing shall be allowed only after sediment is removed in this manner.
- All erosion control measures shall be constructed in accordance with the South Carolina Erosion and Sediment Control Regulations, US Department of Agriculture, and US Soil Conservation Service.

**SB / BB PLAZA DRAINPIPE REPLACEMENT**  
 H17-N128-MJ  
 EXISTING SITE LAYOUT

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 Conway, SC 29528

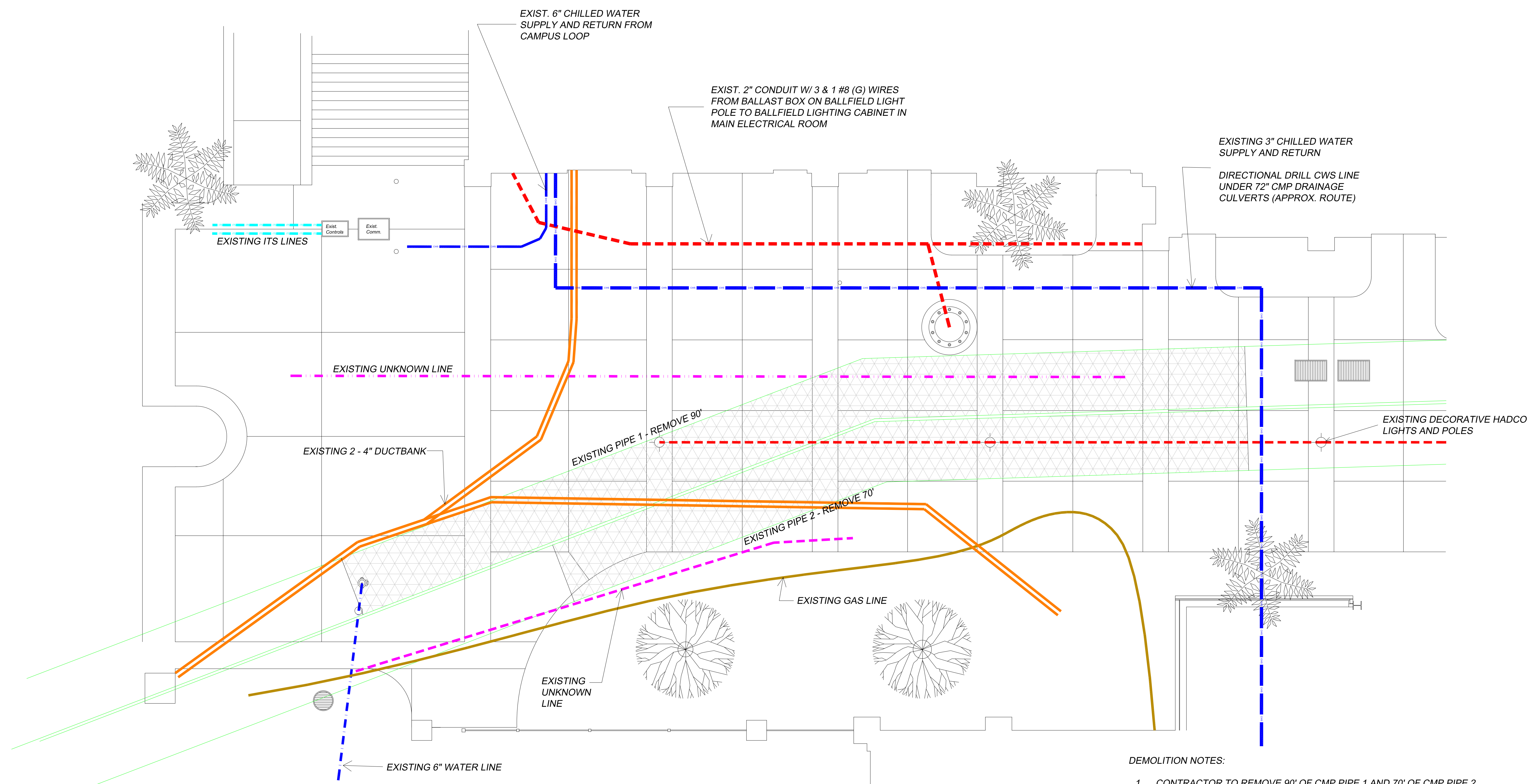


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**EXISTING UTILITY NOTE:**

THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE EXISTING UNDERGROUND UTILITIES ARE BEING INDEPENDENTLY VERIFIED BY THE OWNER AND NOTED AS SUCH. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING ANY WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE WHICH MAY OCCUR DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PROTECT ANY AND ALL UNDERGROUND UTILITIES.

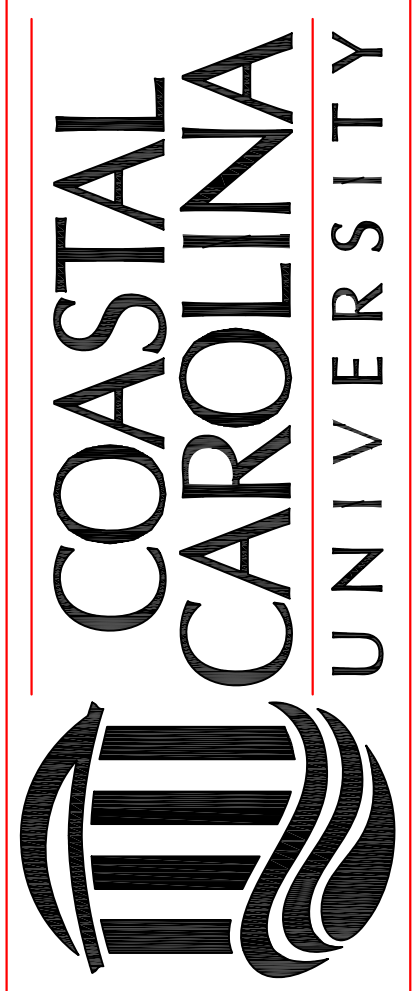
- DEMOLITION NOTES:**
1. CONTRACTOR TO REMOVE 90' OF CMP PIPE 1 AND 70' OF CMP PIPE 2
  2. CONTRACTOR TO REMOVE BRICK PAVERS AT LOCATIONS OF DEMOLITION AND RE-USE.
  3. CONTRACTOR TO REMOVE EXISTING DECORATIVE HADCO POLES AND LIGHTS AND STORE FOR RE-INSTALLATION.
  4. ALL CONCRETE AT DEMOLITION LOCATIONS TO BE REMOVED FROM SITE BY CONTRACTOR.
  5. REMOVED SOIL BELOW CONCRETE AND AROUND EXISTING PIPES TO REMAIN ON SITE AND TO BE RE-USED. CONTRACTOR TO BRING IN NEW SUITABLE SOIL AS NEEDED TO COMPLETE THE PROJECT.
  6. ALL UTILITIES LOCATED AND NOTED ON PLAN ARE FROM LOCATES AND ARE APPROXIMATELY NOTED ON THE PLAN.
  7. CONTRACTOR TO INSTALL SAFETY DEVICES TO PREVENT GENERAL PUBLIC FROM WALKING IN AREA DURING CONSTRUCTION.
  8. CAUSE NO DAMAGE TO EXISTING CONSTRUCTION TO REMAIN. TAKE CARE NOT TO ENCROACH ON ADJACENT OCCUPIED AREAS OR AREAS NOT WITHIN THE SCOPE OF WORK.



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PIPE REMOVAL LOCATIONS AND DEMOLITION NOTES

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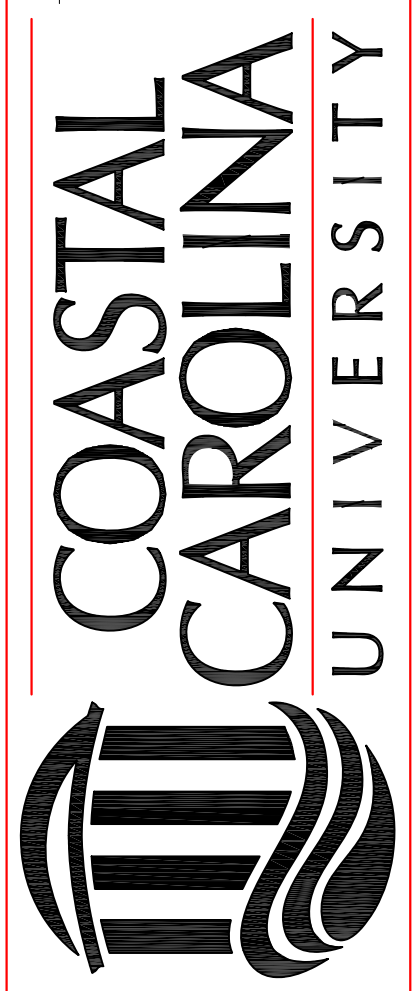
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REPLACEMENT**  
H17-N128-MJ  
CONCRETE AND BRICK PAVER DEMOLITION PLAN

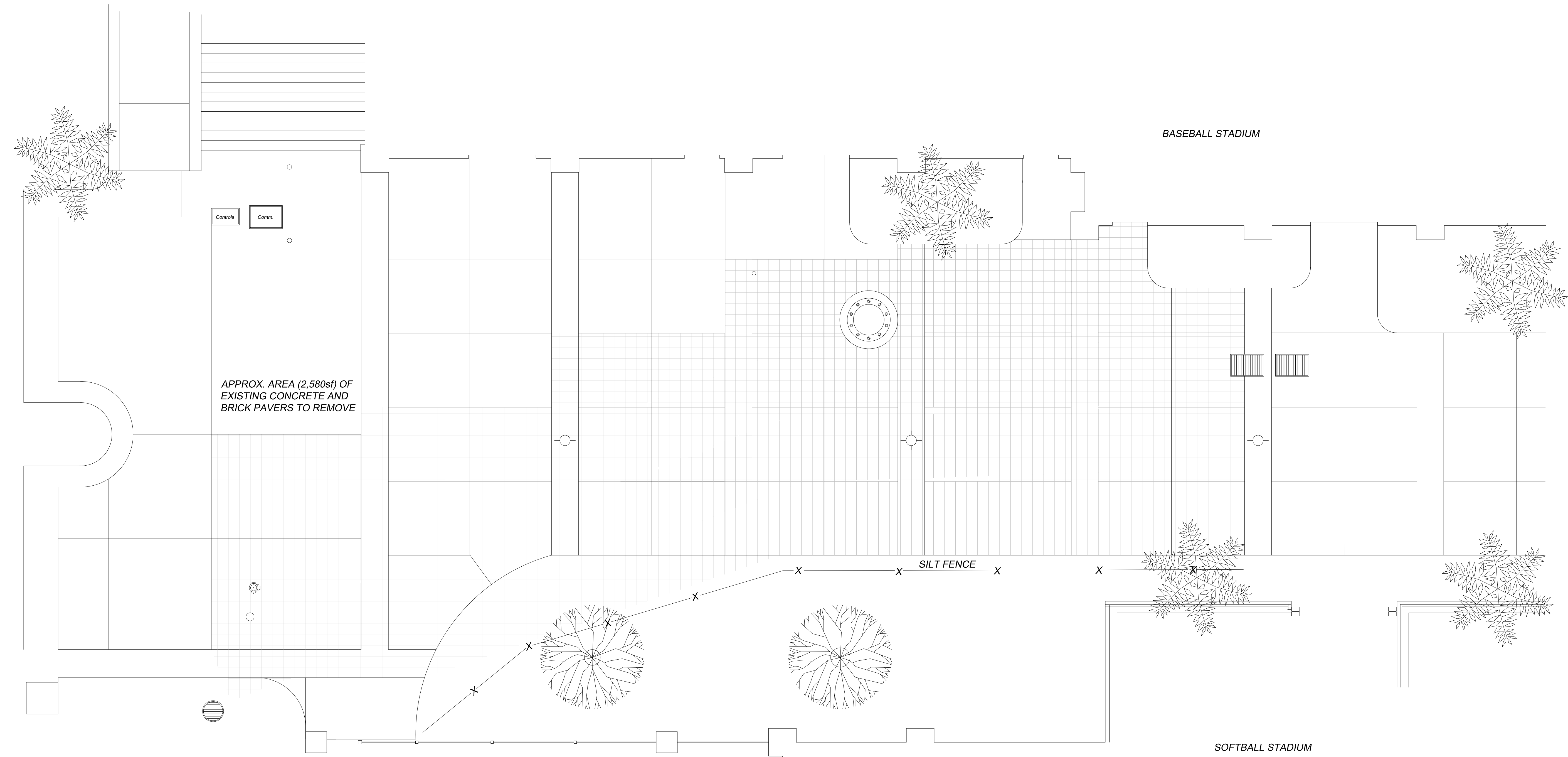
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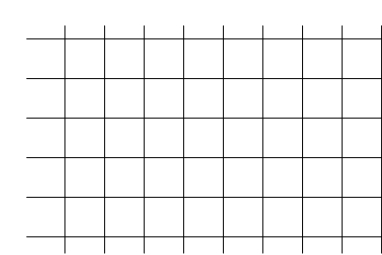
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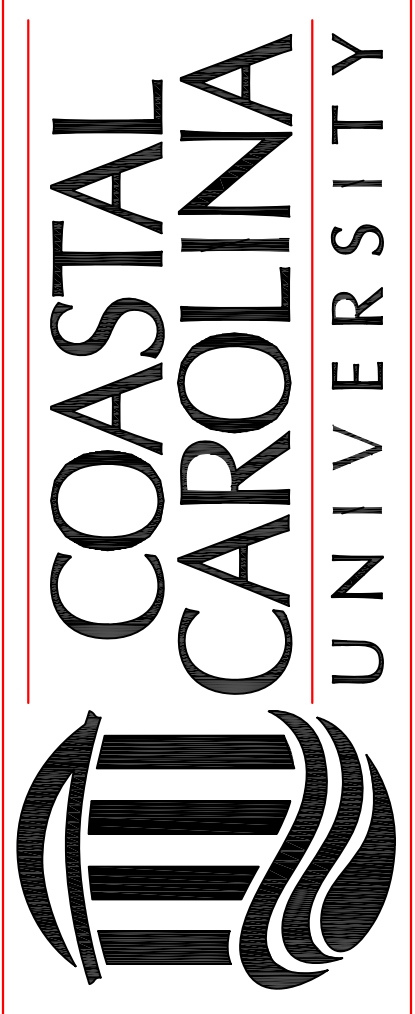
LEGEND

 AREA OF EXISTING CONCRETE AND BRICK PAVERS TO BE REMOVE

REVISION	DATE

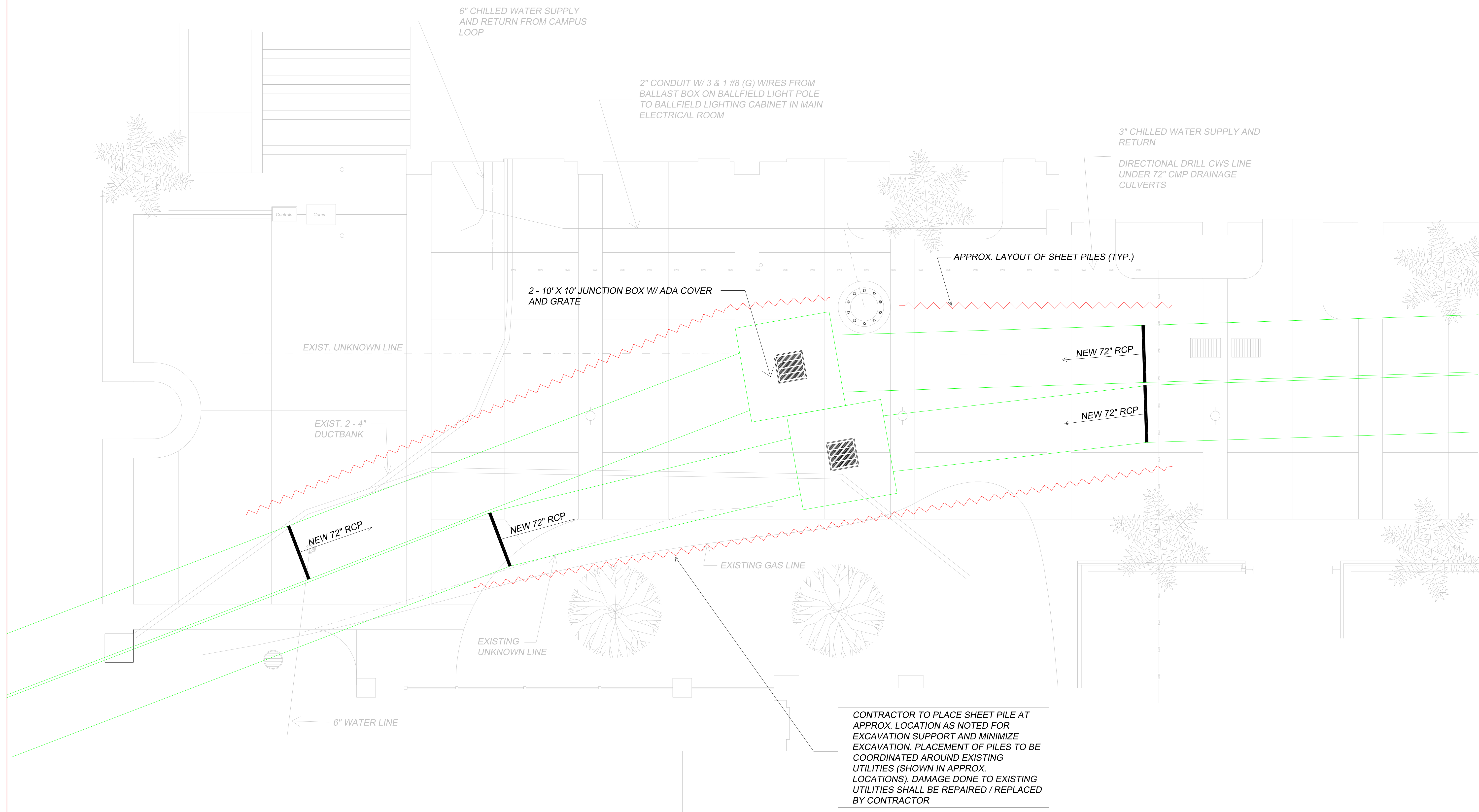
**SB / BB PLAZA DRAINPIPE REPLACEMENT**  
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NEW RCP AND CATCH BASINS PLAN

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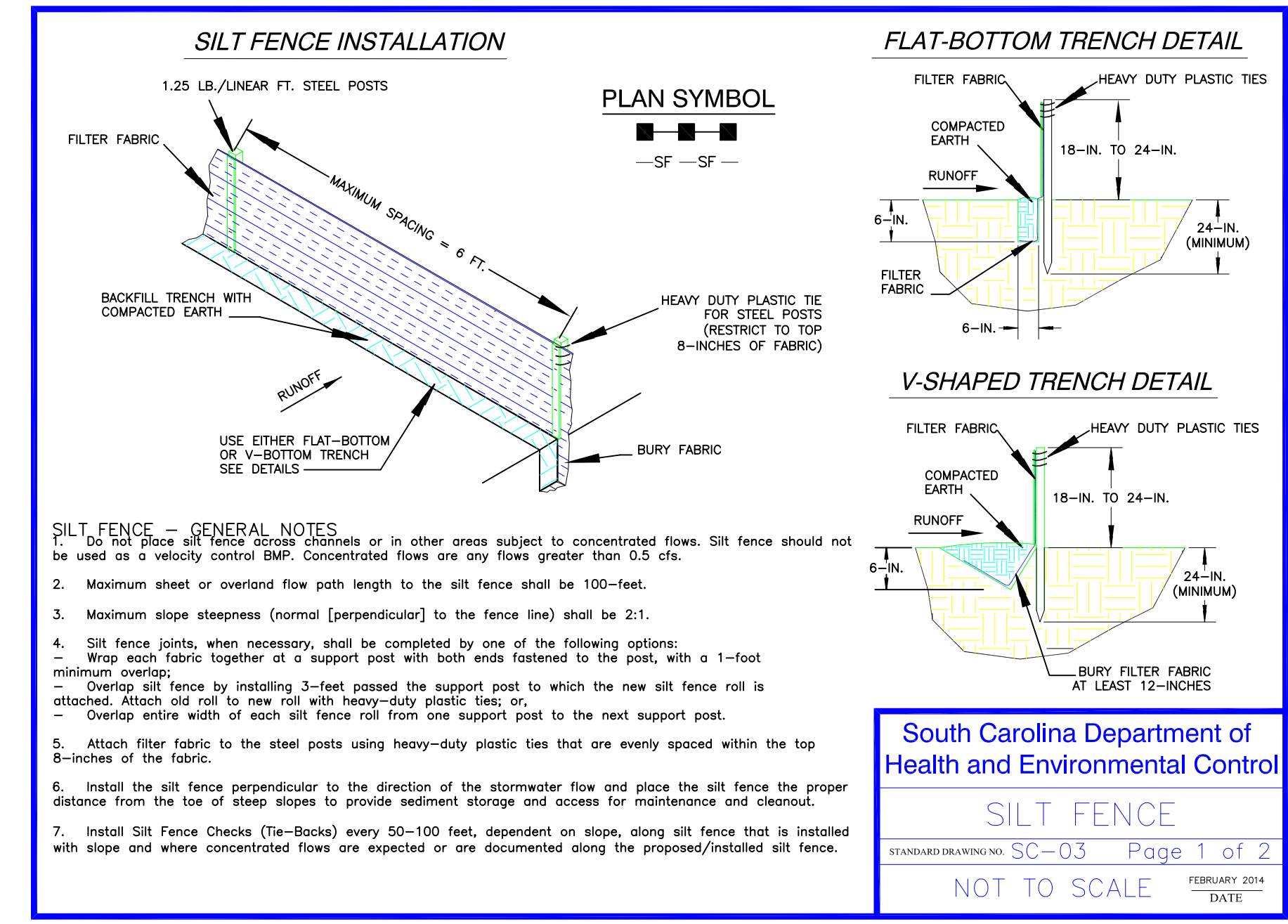
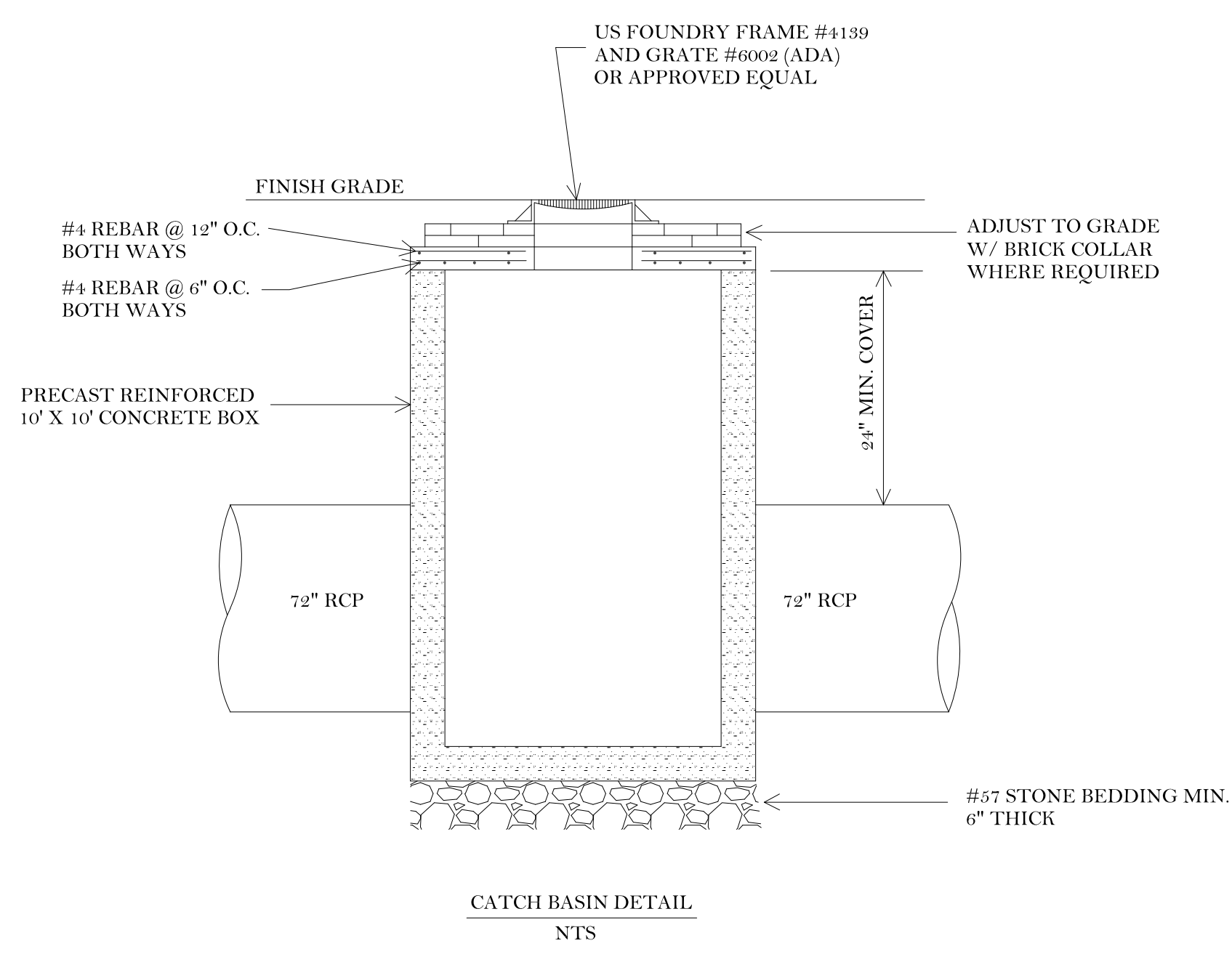
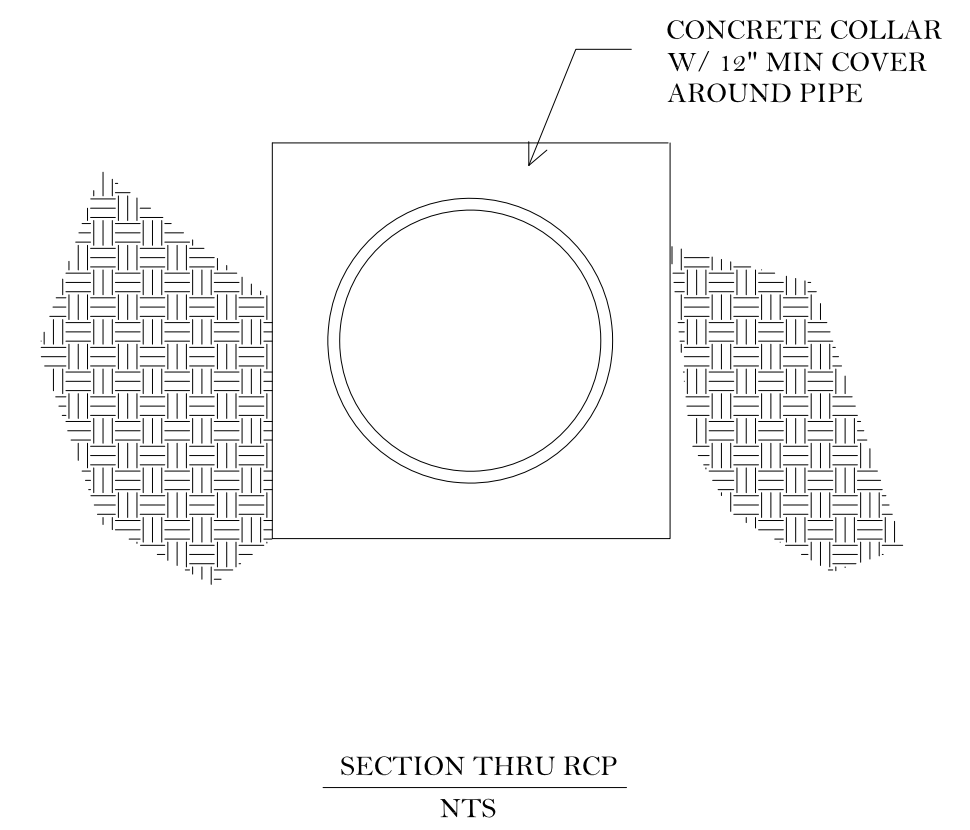
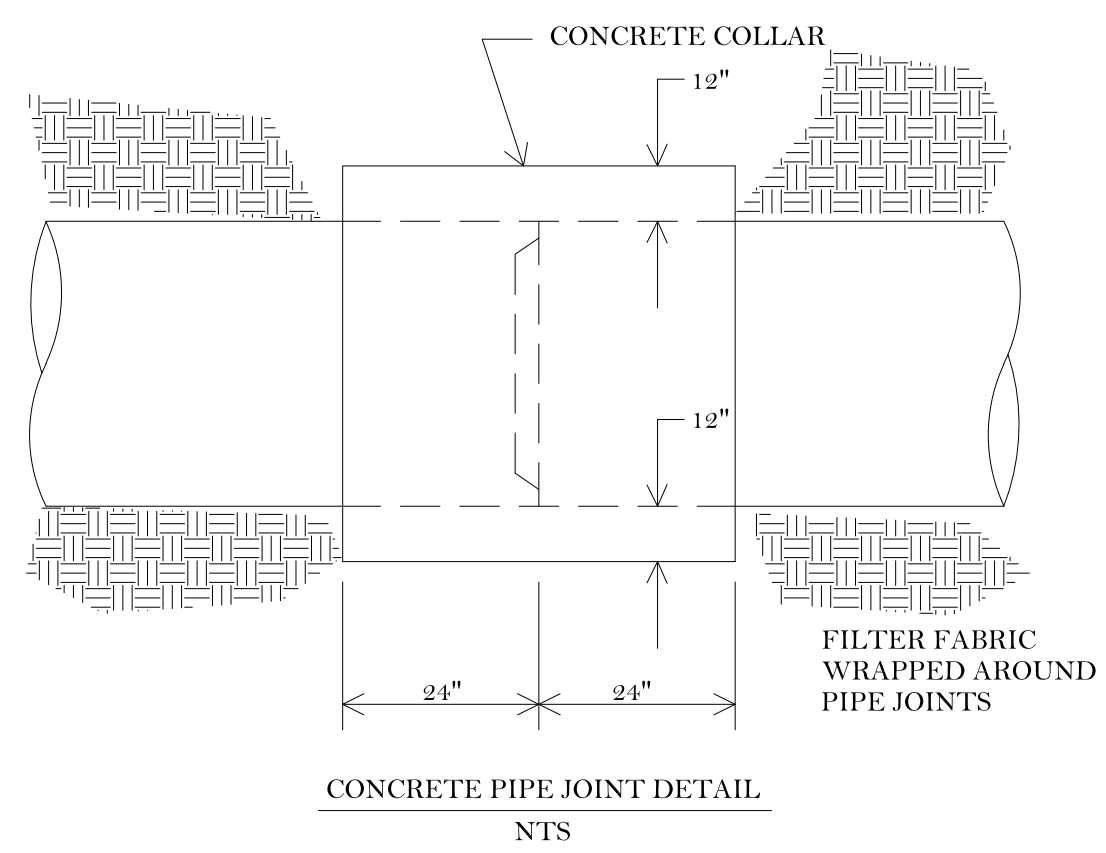
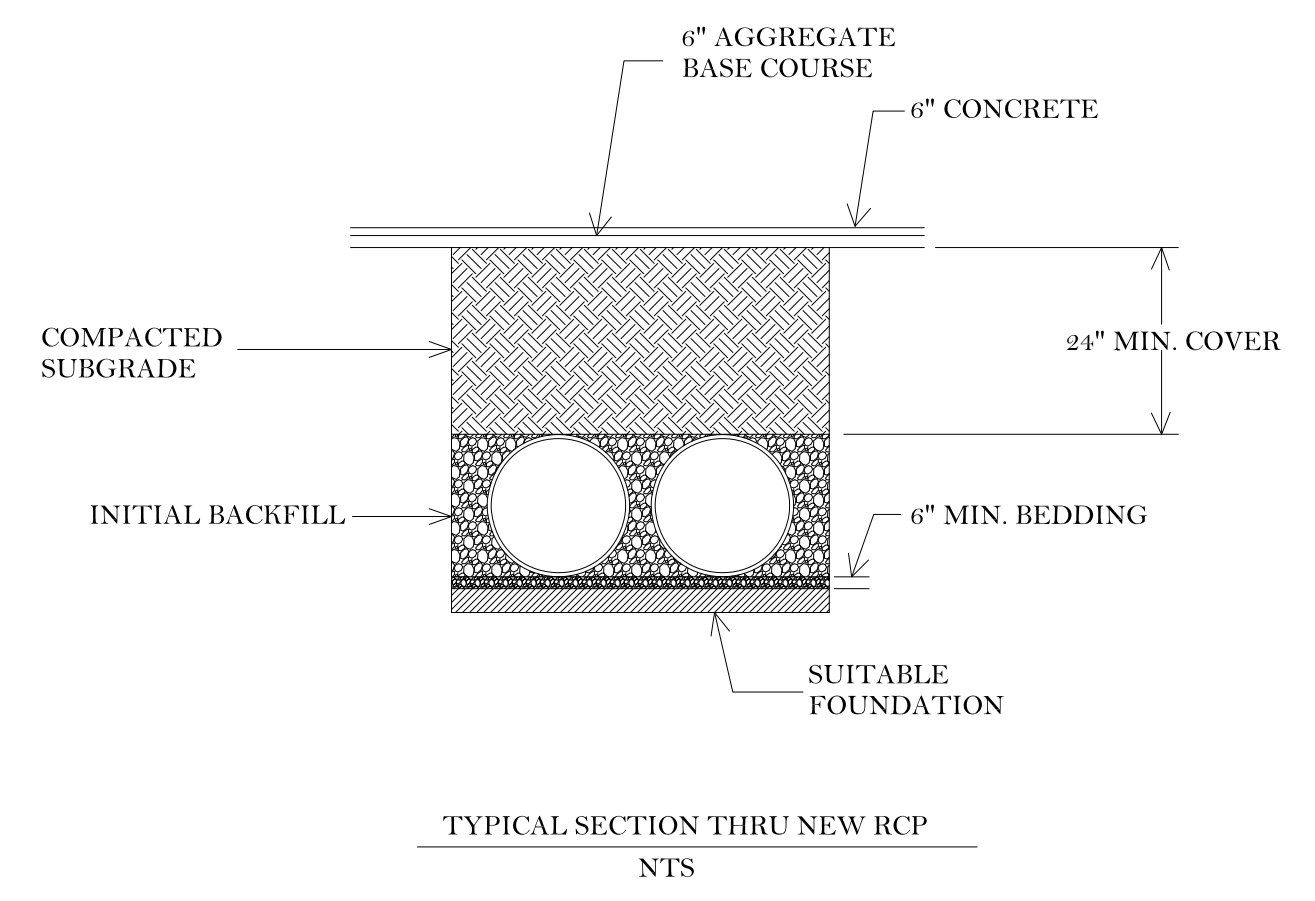
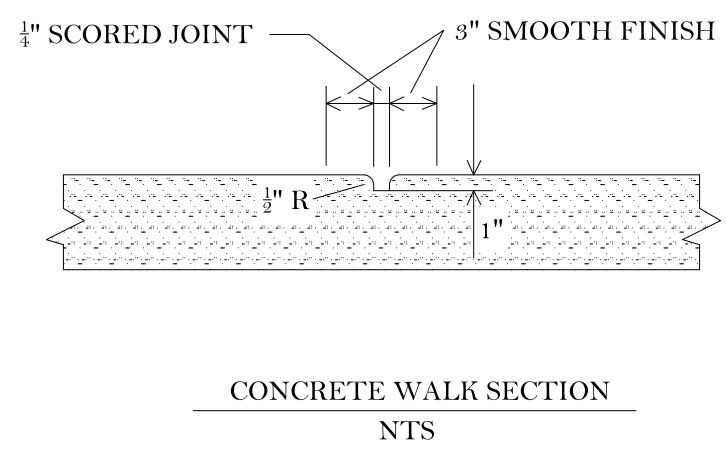
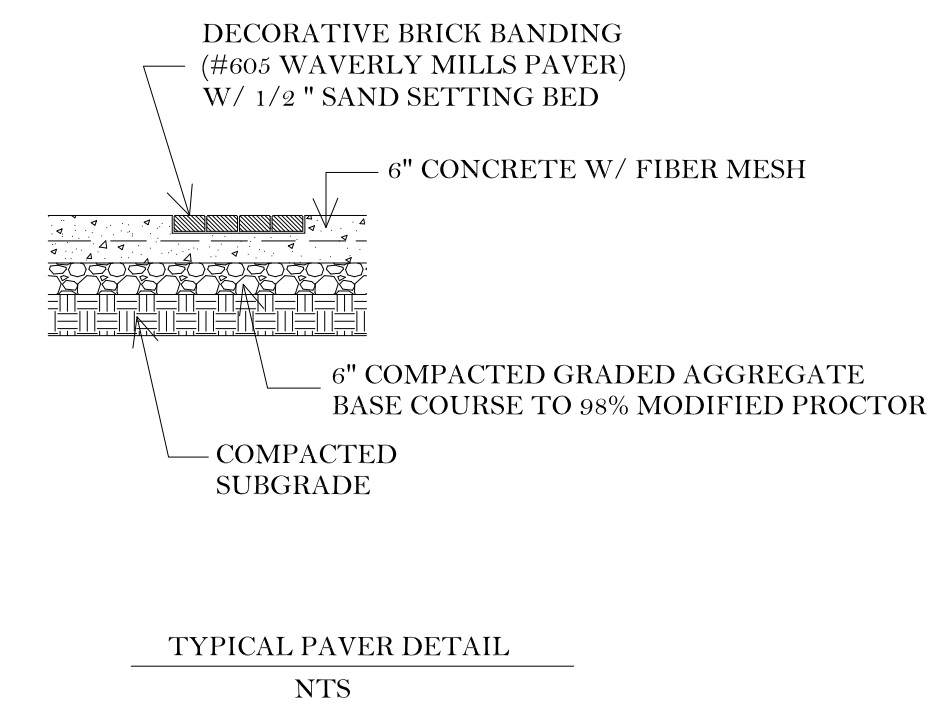


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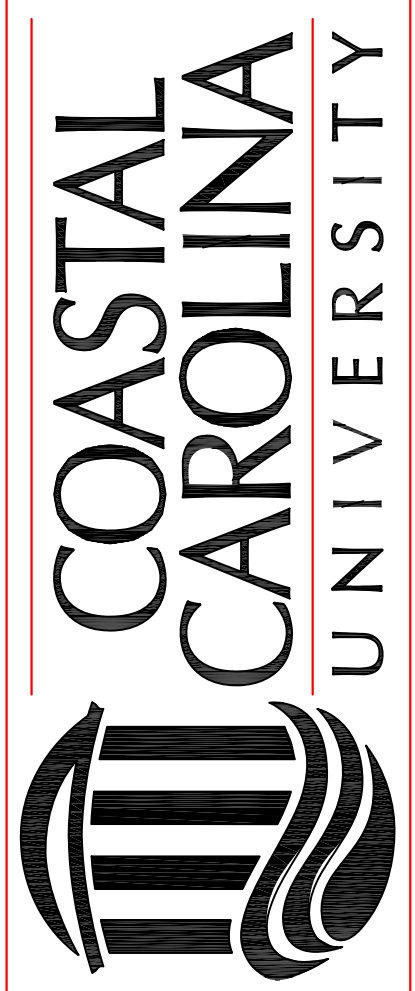
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- NOTES:
- ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM C655-19a, "STANDARD SPECIFICATION FOR REINFORCED CONCRETE D-LOAD CULVERT, STORM DRAIN AND SEWER PIPE", LATEST ADDITION.
  - MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL WHEN REQUIRED.
  - FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER, AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING GEOTEXTILE MATERIAL.
  - BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II OR III. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 6".
  - INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II OR III IN THE PIPE ZONE EXTENDING TO THE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2921, LATEST EDITION.
  - MINIMUM COVER: MINIMUM COVER OF 24" FOR 72" PIPE MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.
  - CONTRACTOR SHALL POUR A CONCRETE COLLAR AT EACH PIPE CONNECTION.
  - CONTRACTOR SHALL INCLUDE SHORING AND BYPASS PUMPING TO PROJECT

**SB / BB PLAZA DRAINPIPE REPLACEMENT**  
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 DETAILS

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