

For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

**Approved Construction Plan**

Name \_\_\_\_\_ Date \_\_\_\_\_

Planning \_\_\_\_\_

Traffic \_\_\_\_\_

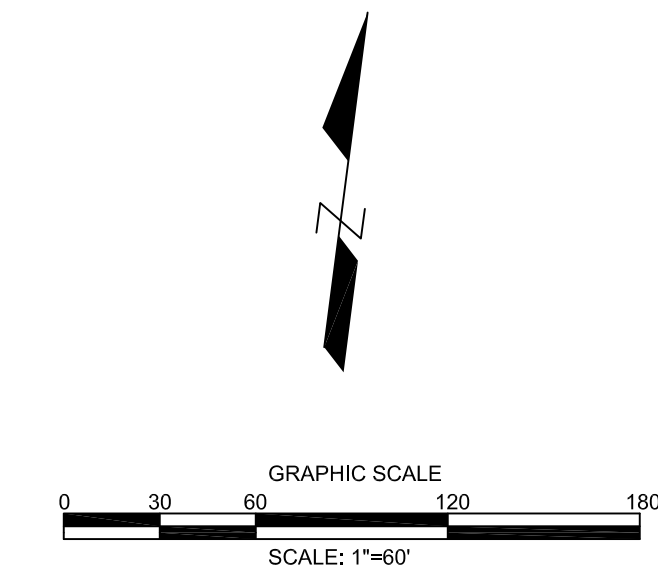
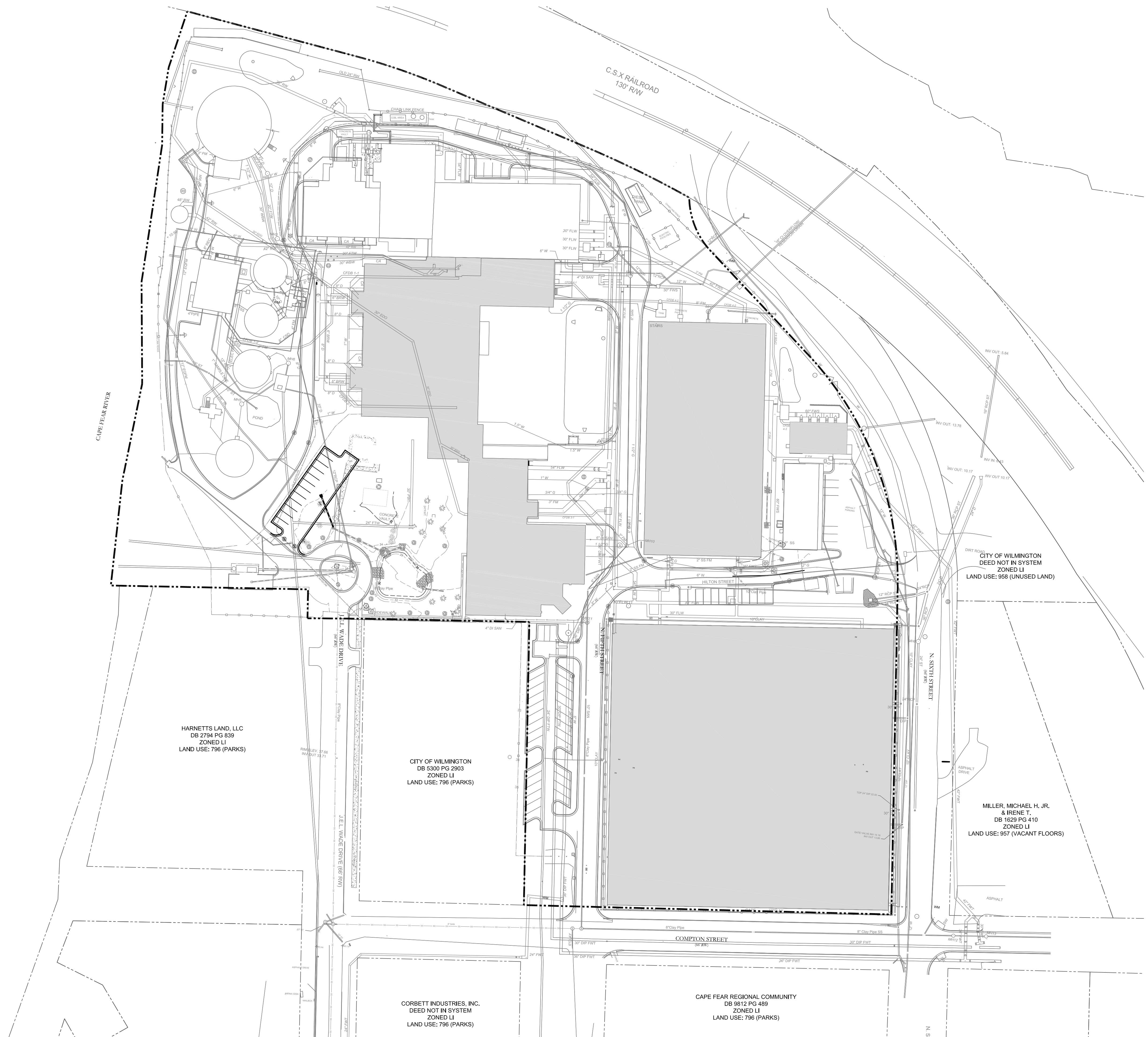
Fire \_\_\_\_\_

**CITY OF WILMINGTON**  
NORTH CAROLINA

Public Services • Engineering Division

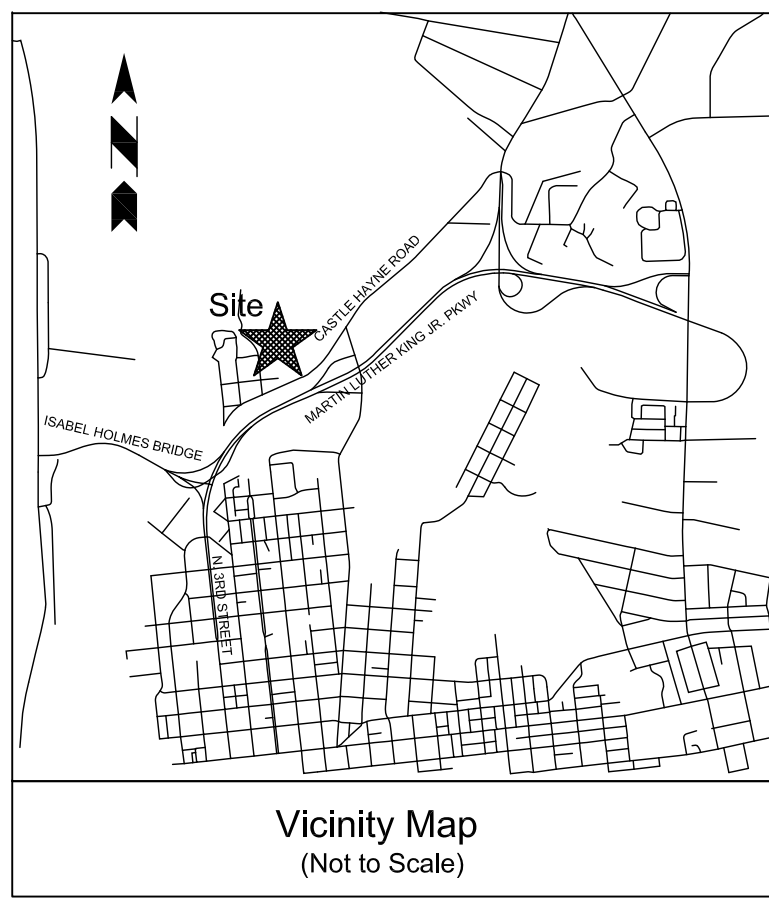
APPROVED PLAN - NO PERMIT REQUIRED

Signed: \_\_\_\_\_



PRELIMINARY DESIGN - NOT RELEASED FOR CONSTRUCTION

<p>REVISIONS:</p>	
<p>CLIENT INFORMATION:</p>	
<p><b>PARAMOUNT ENGINEERING</b> 5911 Oleander Drive, Suite 201 Wilmington, North Carolina 28403 (910) 791-6707 (O) (910) 791-6700 (F) NC License #: C-2846</p>	
<p>OVERALL SITE MAP</p>	
<p>SWEENEY WATER PLANT CITY OF WILMINGTON NEW HANOVER COUNTY, NC</p>	
<p>PROJECT STATUS</p> <p>CONCEPTUAL LAYOUT: _____</p> <p>FINAL DESIGN LAYOUT: _____</p> <p>RELEASED FOR CONST: _____</p>	<p>DRAWING INFORMATION</p> <p>DATE: 10/20/15</p> <p>SCALE: 1"=60'</p> <p>DESIGNED: GJM</p> <p>CHECKED: RBE</p>
<p>SEAL</p>	
<p><b>C-2.0</b></p>	
<p>PEJ JOB#: 15252.PE</p>	



**SITE DATA**

PROJECT NAME: SWEENEY WATER PLANT  
 ADDRESS: 1833 5th AVENUE NORTH  
 OWNER: CAPE FEAR PUBLIC UTILITY AUTHORITY  
 TAX PARCEL IDENTIFICATION #: R04117-001-001-000  
 EXISTING USE: WATER PLANT  
 CURRENT ZONING: LI (LIGHT INDUSTRIAL)  
 TOTAL SITE AREA: 14,03 SF  
 CAMA LAND CLASSIFICATION: URBAN

**BUILDING INFORMATION**

EXISTING BUILDINGS (5): 426,500 SF  
 LOT COVERAGE: 4.3%

**REQUIRED SETBACKS**

FRONTYARD SETBACK 50'  
 SIDEYARD SETBACK 0'  
 REARYARD SETBACK 0'

PROPOSED SETBACKS: NO BUILDING EXPANSION IS PROPOSED; SETBACKS WILL REMAIN THE SAME AS CURRENTLY EXIST

**IMPERVIOUS INFORMATION (DRAINAGE AREA #4)**

TOTAL DRAINAGE AREA (MOD): 59,165 SF

PREVIOUSLY PERMITTED AREA:

BUILDINGS:	479 SF
ASPHALT:	3,256 SF
SIDEWALKS:	3,088 SF
OFFSITE:	3,595 SF
TOTAL:	10,418 SF

CURRENT IMPERVIOUS AREA:

EXISTING ASPHALT:	3,900 SF
EXISTING SIDEWALK:	1,220 SF
PROPOSED ASPHALT:	5,323 SF
SIDEWALK TO BE REMOVED:	-25 SF
TOTAL:	10,418 SF (17.6%)

IMPERVIOUS AREA PERMITTED (SW8 910330 MOD) 10,418 SF

**PARKING INFORMATION**

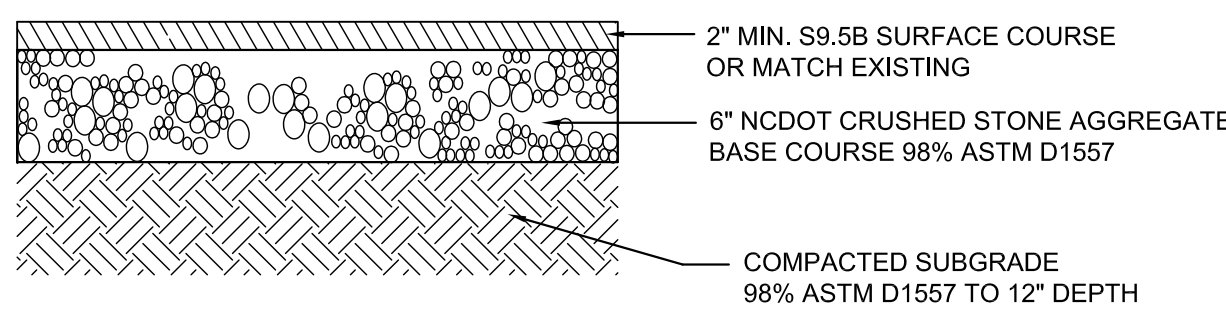
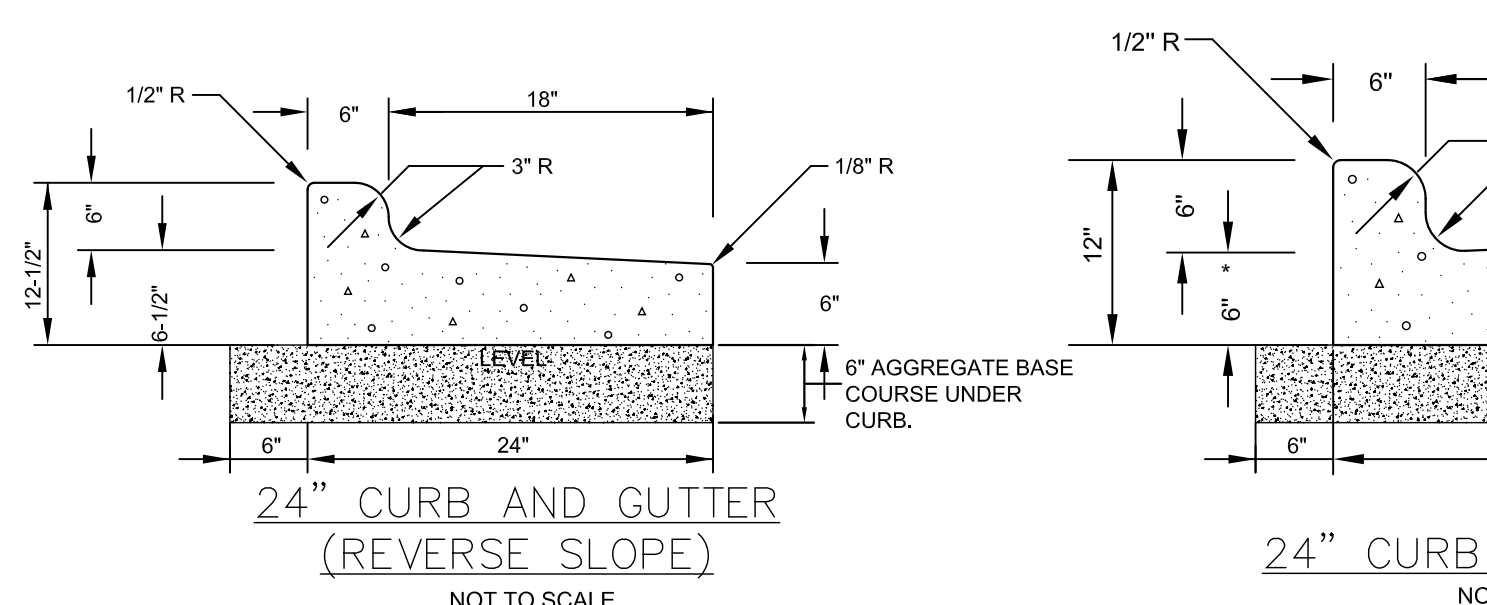
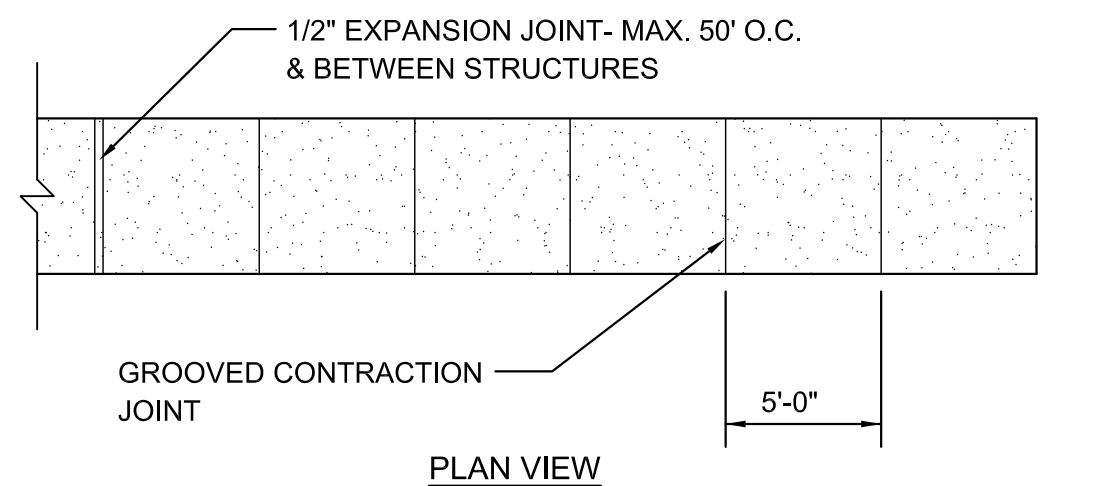
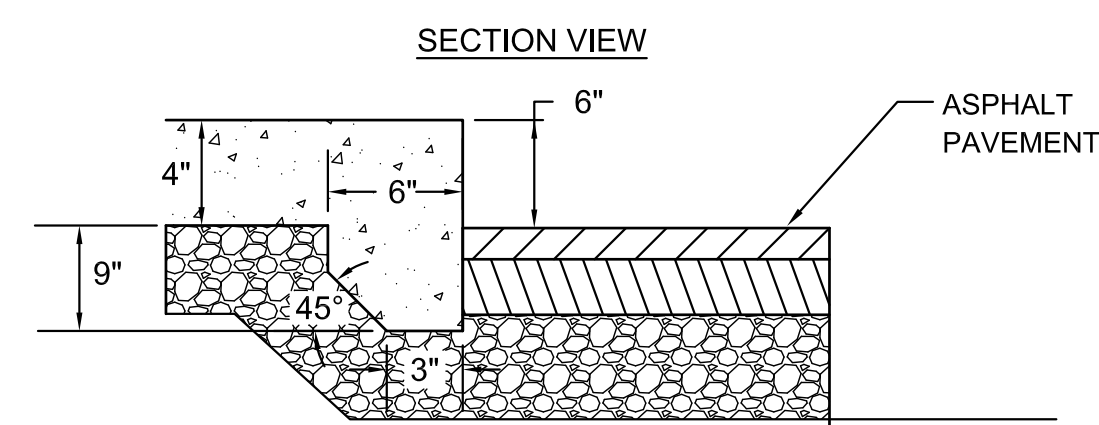
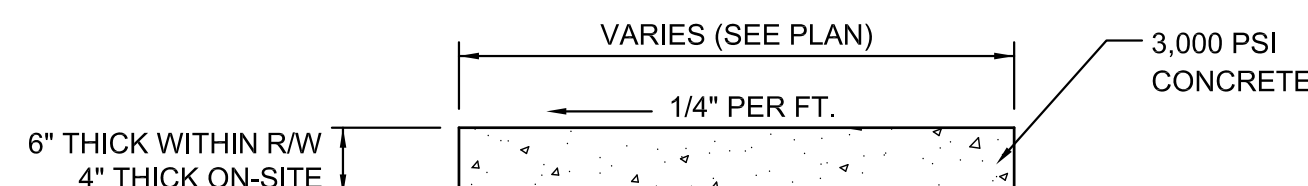
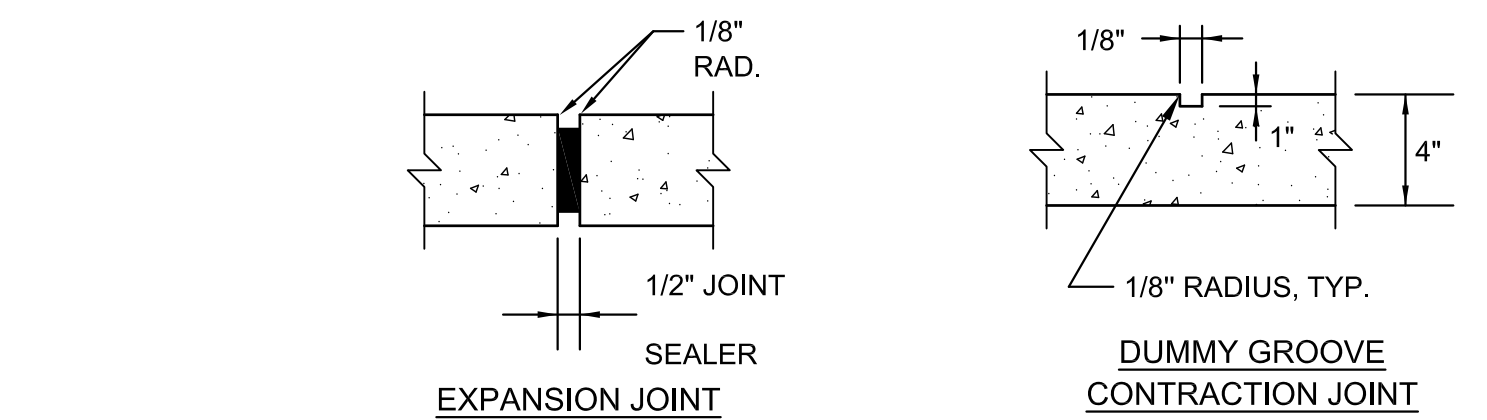
MINIMUM REQUIRED: 12 EMPLOYEE SPACES (PER CPPIA)  
 PROVIDED PARKING: 12 ADDITIONAL SPACES

**GENERAL NOTES:**

- ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND/OR NCDOT STANDARDS.
- ALL SIGNS AND PAVEMENT MARKINGS IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES) STANDARDS.
- ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT-OF-WAY ARE TO BE MAINTAINED BY THE PROPERTY OWNER IN ACCORDANCE WITH MUTCD STANDARDS.
- ALL PARKING STALL MARKINGS AND LANE ARROWS WITHIN THE PARKING AREAS SHALL BE WHITE.
- A UTILITY CUT PERMIT IS REQUIRED FOR EACH OPEN CUT OF A CITY STREET. NOTE THIS ON THE PLAN AND CONTACT 341-5888 FOR MORE DETAILS. IN CERTAIN CASES AN ENTIRE RESURFACING OF THE AREA BEING OPEN CUT MAY BE REQUIRED.
- INSTALL REFLECTORS PER CITY AND NCDOT STANDARDS. TRAFFIC ENGINEERING MUST APPROVE OF PAVEMENT MARKINGS LAYOUT PRIOR TO ACTUAL STRIPING.
- ANY BROKEN OR MISSING SIDEWALK PANELS, DRIVEWAY PANELS AND CURBING WILL BE REPLACED.
- A LANDSCAPING PLAN INDICATING THE LOCATION OF REQUIRED STREET TREES SHALL BE SUBMITTED TO THE CITY OF WILMINGTON TRAFFIC ENGINEERING DIVISION AND PARKS AND RECREATION DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO THE RECORDING OF THE FINAL PLAN.
- CONTACT TRAFFIC ENGINEERING AT 341-7888 FORTY-EIGHT HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT OF WAY.

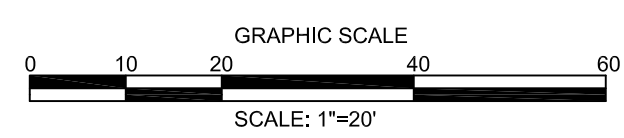
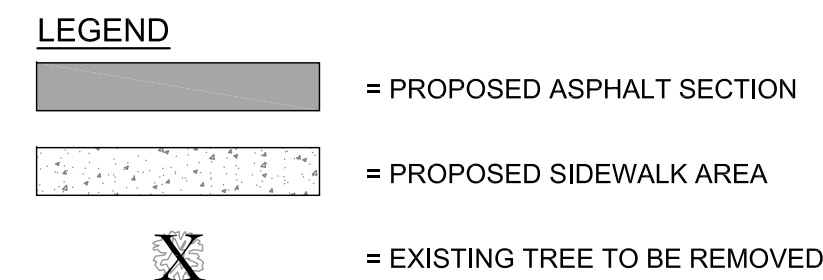
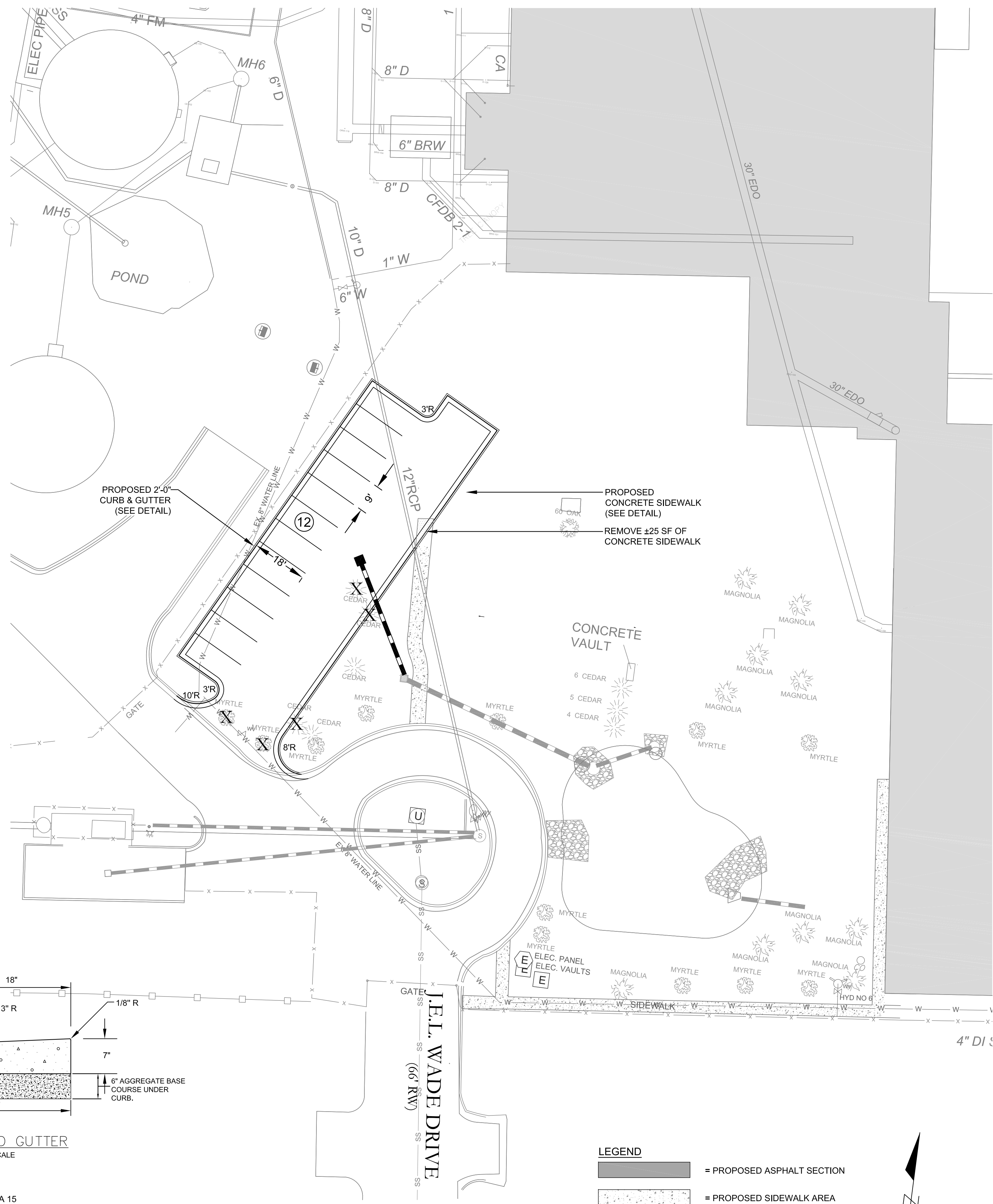
**TREE PRESERVATION NOTES:**

- TREE PRESERVATION / REMOVAL PERMIT IS REQUIRED PRIOR TO CLEARING & LAND DISTURBANCE.
- PRIOR TO ANY CLEARING, GRADING OR CONSTRUCTION ACTIVITY, TREE PROTECTION FENCING WILL BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES AND NO CONSTRUCTION WORKERS, TOOLS, MATERIALS, OR VEHICLES ARE PERMITTED WITHIN THE TREE PROTECTION FENCING.
- PROTECTIVE FENCING IS TO BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT. LAND CLEARING AND CONSTRUCTION CONTRACTORS SHALL RECEIVE ADEQUATE INSTRUCTION ON TREE PROTECTION REQUIREMENTS AND METHODS.



**GENERAL NOTES:**

CONTRACTION JOINTS SHALL BE SPACED AT MAX. 10' INTERVALS, EXCEPT THAT A 15 FOOT SPACING MAY BE USED WHEN A MACHINE IS USED OR WHEN SATISFACTORY SUPPORT FOR THE FACE FORM CAN BE OBTAINED WITHOUT THE USE OF TEMPLATES AT 10 FOOT INTERVALS. JOINT SPACING MAY BE ALTERED BY THE ENGINEER TO PREVENT UNCONTROLLED CRACKING. CONTRACTION JOINTS MAY BE INSTALLED BY THE USE OF TEMPLATES OR FORMED BY OTHER APPROVED METHODS. WHERE SUCH JOINTS ARE NOT FORMED BY TEMPLATES, A MINIMUM DEPTH OF 1-1/2" SHALL BE OBTAINED. ALL CONTRACTION JOINTS EXCEPT IN 8" X 6" MEDIAN CURB SHALL BE FILLED WITH JOINT SEALER. EXPANSION JOINTS SHALL BE SPACED AT 90' INTERVALS AND ADJACENT TO ALL RIGID OBJECTS.



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Signed: \_\_\_\_\_

REVISIONS:

**CLIENT INFORMATION:**

**Cape Fear**  
 Public Utility Authority

**PARAMOUNT ENGINEERING**

5911 Olander Drive, Suite 201  
 Wilmington, North Carolina 28403  
 (910) 791-6707 (O) (910) 791-6700 (F)  
 NC License #: C-2846

**SITE PLAN**

SWEENEY WATER PLANT  
 CITY OF WILMINGTON  
 NEW HANOVER COUNTY, NC

**PROJECT STATUS**

CONCEPTUAL LAYOUT: \_\_\_\_\_  
 FINAL LAYOUT: \_\_\_\_\_  
 RELEASED FOR CONSTRUCTION: \_\_\_\_\_

**DRAWING INFORMATION**

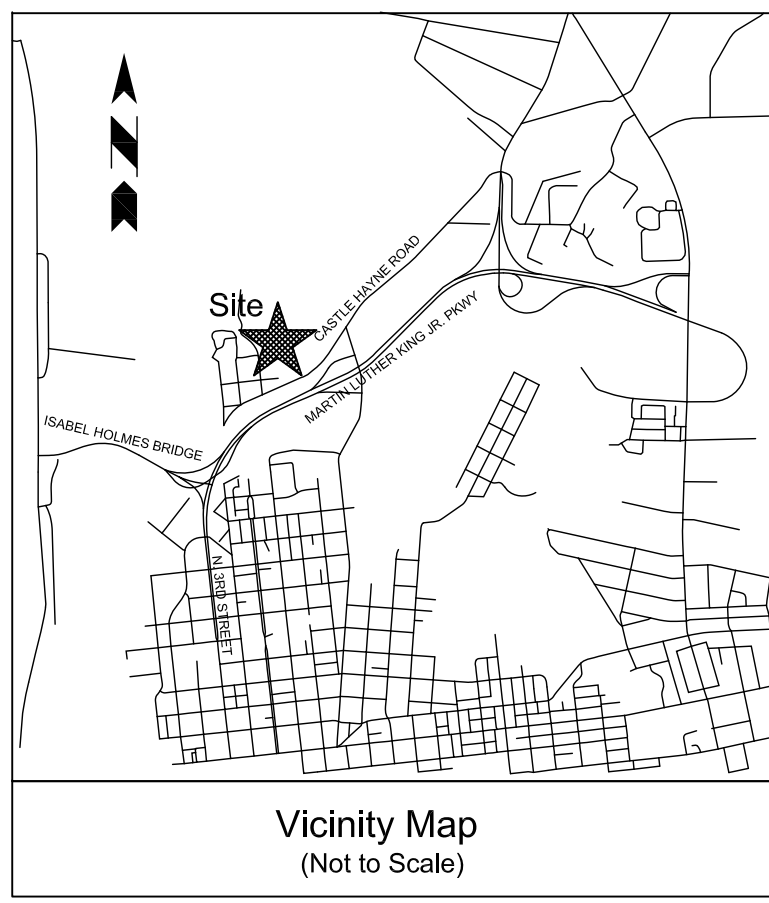
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SEAL

**C-2.1**

PEJ JOB#: 15252.PE

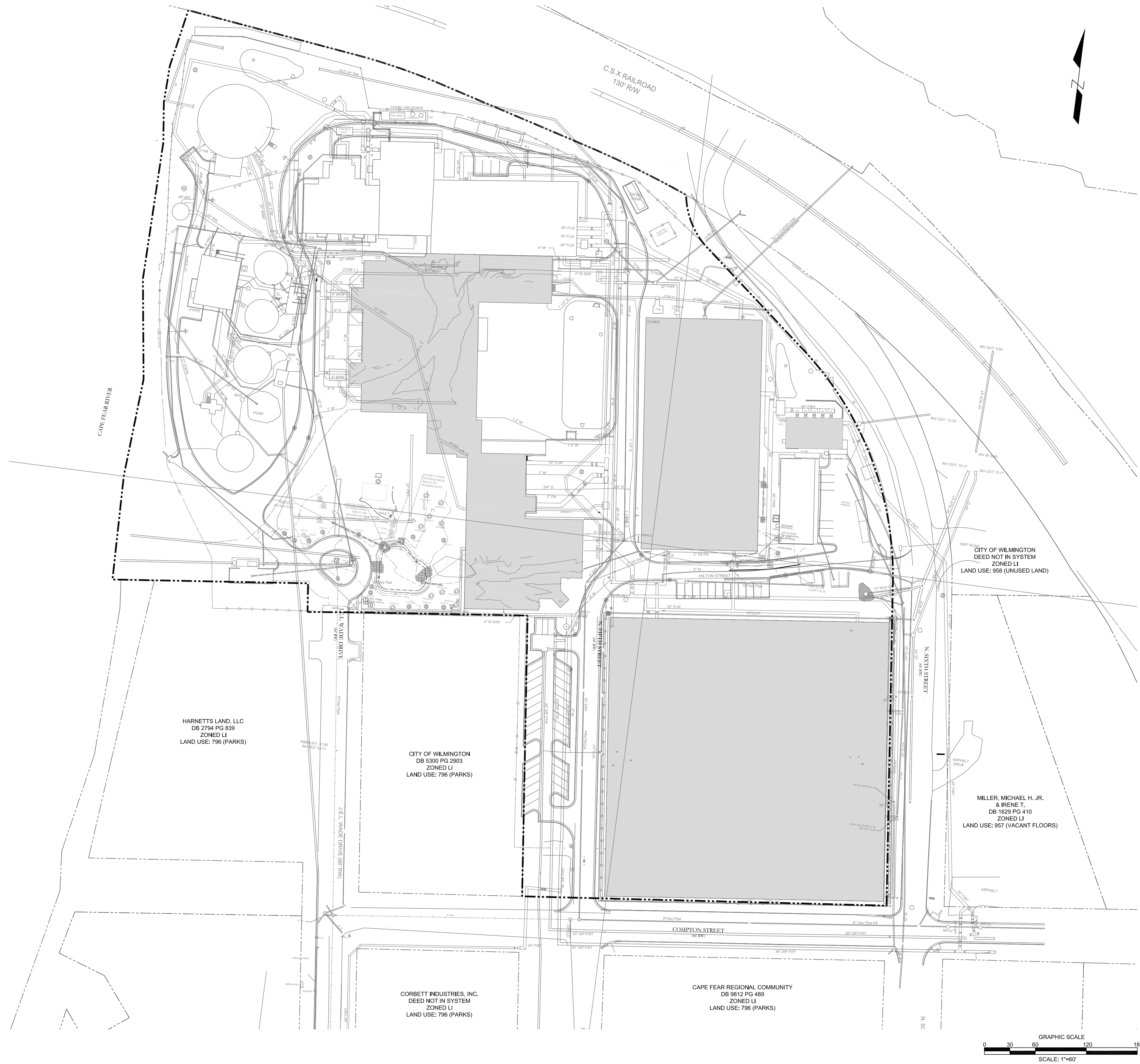
PRELIMINARY DESIGN - NOT RELEASED FOR CONSTRUCTION



Vicinity Map  
(Not to Scale)

**SITE INVENTORY DATA**

1. PREPARER OF THE PLAN:	PARAMOUNTE ENGINEERING 5911 OLEANDER DRIVE, SUITE 201 WILMINGTON, NC 28403
2. APPLICANT NAME:	CAPE FEAR PUBLIC UTILITY AUTHORITY
3. SITE ADDRESS:	1833 5th AVENUE NORTH WILMINGTON, NC
4. PROPERTY OWNER:	CAPE FEAR PUBLIC UTILITY AUTHORITY
5. DEVELOPER:	CAPE FEAR PUBLIC UTILITY AUTHORITY
6. PROPERTY BOUNDARY:	SEE PLAN
7. ZONING:	LI
8. ADJACENT PROPERTY INFORMATION (OWNER AND ZONING):	SEE PLAN
9. VICINITY MAP:	SEE MAP ABOVE
10. TOPOGRAPHY:	SEE PLAN
11. 100 YEAR FLOOD PLAIN BOUNDARY:	SITE IS NOT LOCATED IN THE 100 YEAR FLOOD PLAIN
12. LOCATION OF EXISTING DITCHES, CREEKS, AND STREAMS:	SEE PLAN
13. SOILS:	GOLDSBORO, ONSLOW, PANTEGO, & RAINS
14. CAMA AEC & ASSOCIATED SETBACKS:	N/A
15. CAMA LAND CLASSIFICATION:	URBAN
16. CONSERVATION RESOURCES:	N/A
17. LOCAL, STATE, OR FEDERAL HISTORIC OR ARCHAEOLOGICAL SITE:	N/A
18. LOCATION OF CEMETERIES, BURIAL SITES, OR BURIAL GROUNDS:	N/A
19. SQUARE FOOTAGE OF FORESTED AREA, HABITAT, AND DOMINANT SPECIES:	N/A
20. SECTION 404 WETLANDS AND SECTION 10 WATERS:	N/A
21. PROTECTED SPECIES OR HABITAT:	N/A
22. THOROUGHFARES, BIKE ROUTES, SIDEWALKS, TRANSIT FACILITIES (EXISTING OR PROPOSED):	N/A



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SITE INVENTORY MAP

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CITY OF WILMINGTON  
NEW HANOVER COUNTY, NC

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CHECKED:	REB

SEAL

**C-2.2**

PEJ JOB#: 15252.PE

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