

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 \_\_\_\_\_

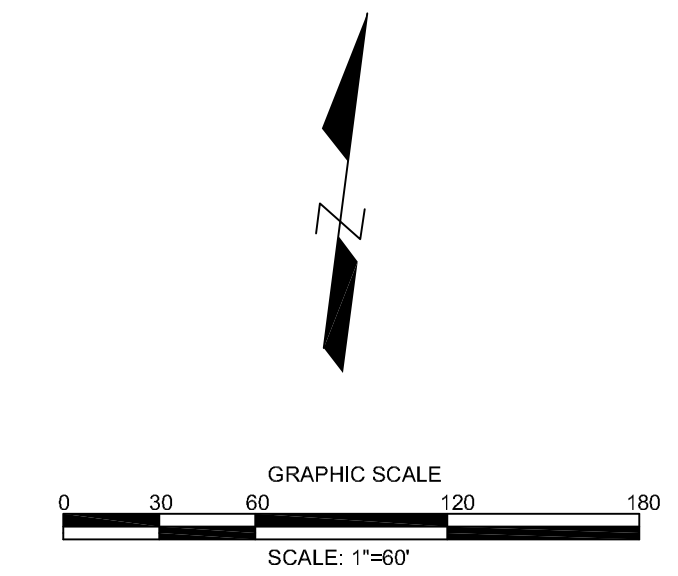
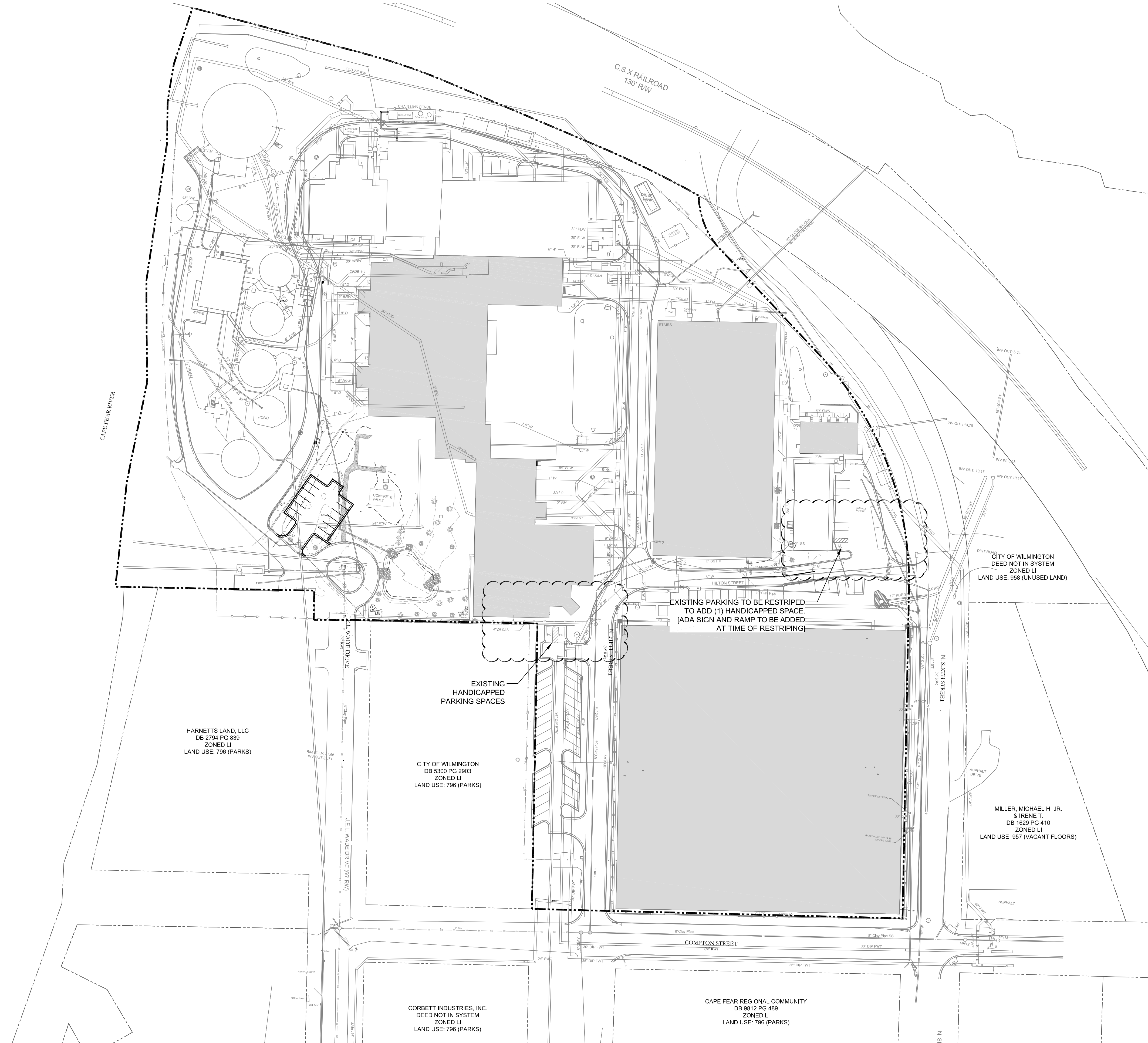
Fire \_\_\_\_\_

**CITY OF WILMINGTON**  
NORTH CAROLINA

Public Services • Engineering Division

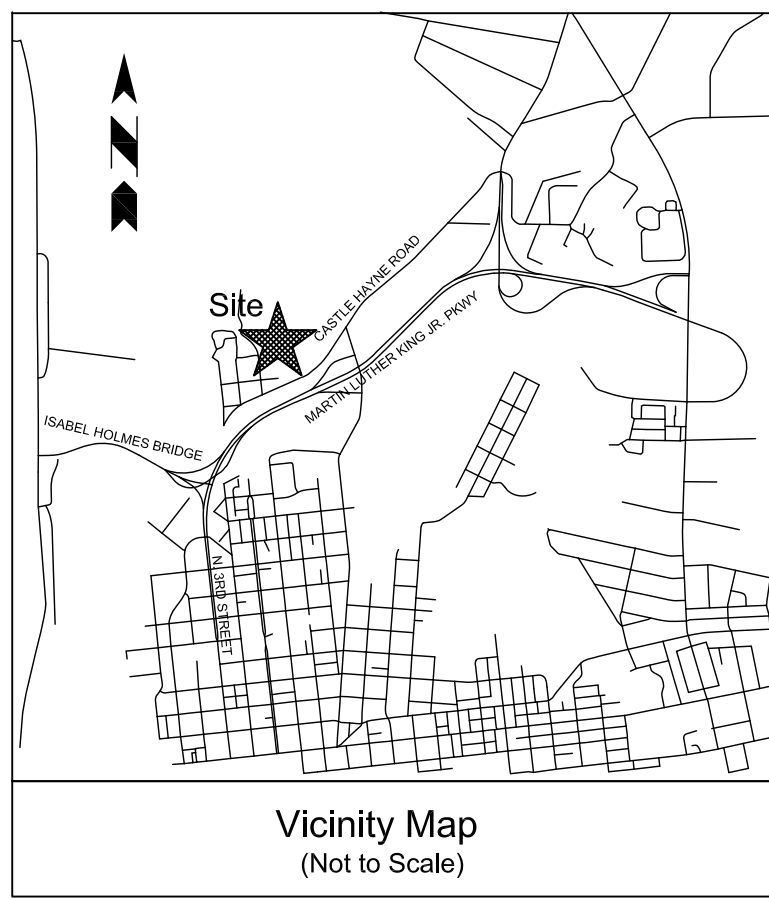
APPROVED PLAN - NO PERMIT REQUIRED

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



PRELIMINARY DESIGN - NOT RELEASED FOR CONSTRUCTION

<p>REVISIONS:</p>	
<p>CLIENT INFORMATION:</p> <p><b>Cape Fear</b> Public Utility Authority <i>Sustainable. Smart. Strong.</i></p>	
<p><b>PARAMOUNT ENGINEERING</b></p> <p>5911 Olander Drive, Suite 201 Wilmington, North Carolina 28403 (910) 791-6707 (O) (910) 791-6760 (F) NC License #: C-2846</p>	
<p>OVERALL SITE MAP SWEENEY WATER PARKING EXPANSION 1833 5th AVENUE NORTH 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: 12/11/15</p> <p>SCALE: 1"=60'</p> <p>DRAWN: GJM</p> <p>CHECKED: PBE</p>
<p>SEAL</p>	<p><b>C-2.0</b></p> <p>PEI 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): ±26,500 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)**

EXISTING DRAINAGE AREA: 52,510 SF

PREVIOUSLY PERMITTED AREA:

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

MODIFIED DRAINAGE AREA: 59,165 SF

CURRENT IMPERVIOUS AREA:

EXISTING BUILDINGS: 0 SF  
 EXISTING ASPHALT: 3,519 SF  
 EXISTING SIDEWALK: 902 SF  
 EXISTING OFFSITE: 1,796 SF  
 PROPOSED ASPHALT: 4,148 SF  
 FUTURE: 51 SF  
 TOTAL: 10,418 SF (17.6%)

**PARKING INFORMATION**

TOTAL BUILDING AREA = 84,290 SF

MINIMUM PARKING: 1 SPACE PER 1,500 SF = 56 SPACES  
 MAXIMUM PARKING: 1 SPACE PER 1,000 SF = 84 SPACES

EXISTING PARKING: 56 SPACES  
 PROPOSED PARKING: 12 SPACES  
 TOTAL PARKING: 68 SPACES

HANDICAPPED PARKING REQUIRED: 3 SPACES

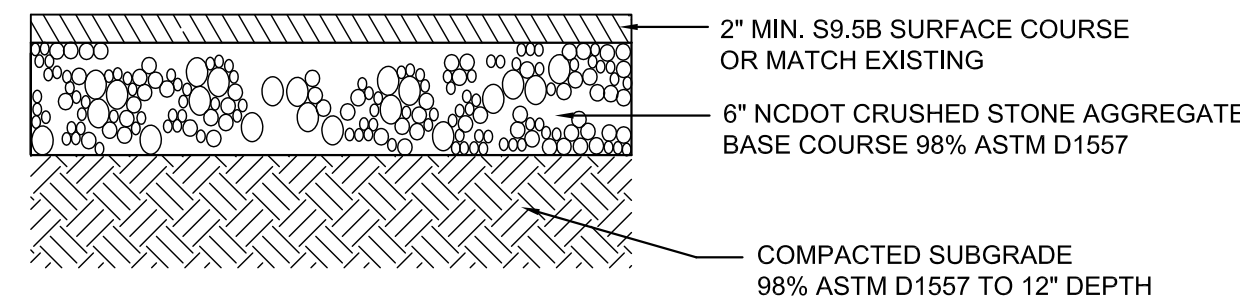
EXISTING HANDICAPPED PARKING: 2 SPACES  
 PROPOSED HANDICAPPED PARKING: 1 SPACE  
 TOTAL HANDICAPPED PARKING: 3 SPACES

**GENERAL NOTES:**

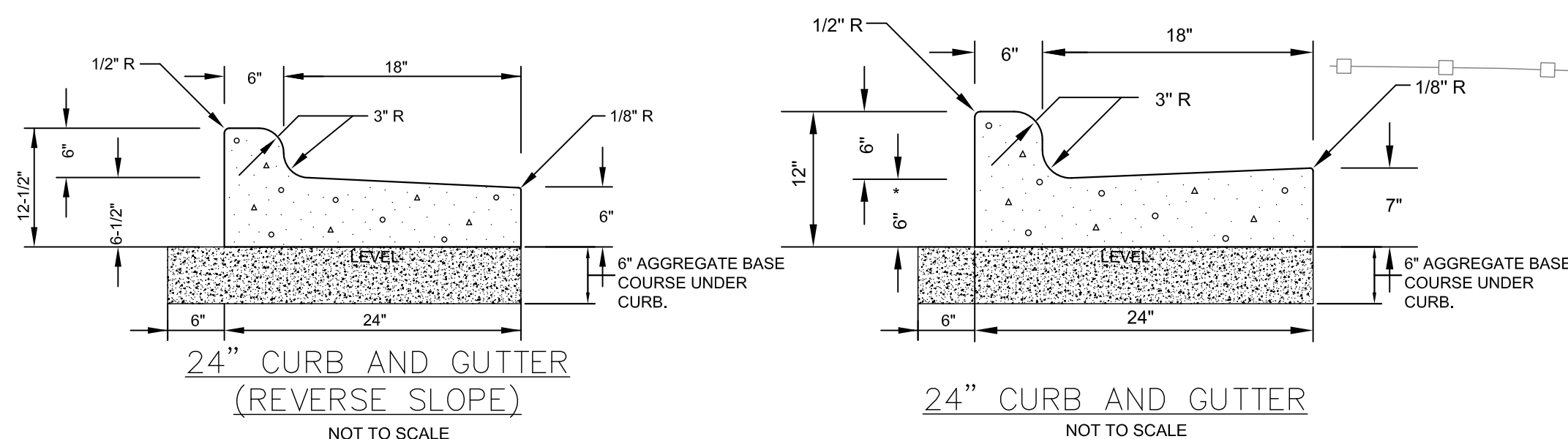
- ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND/OR NCDOT STANDARDS.
- ALL SIGNS AND PAVEMENT MARKINGS IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES) STANDARDS.
- ALL TRAFFIC CONTROL SIGNS AND MARKINGS 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 MARKING 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.



**LIGHT DUTY PAVEMENT SECTION**  
NOT TO SCALE



**24\"/>**

**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\"/>

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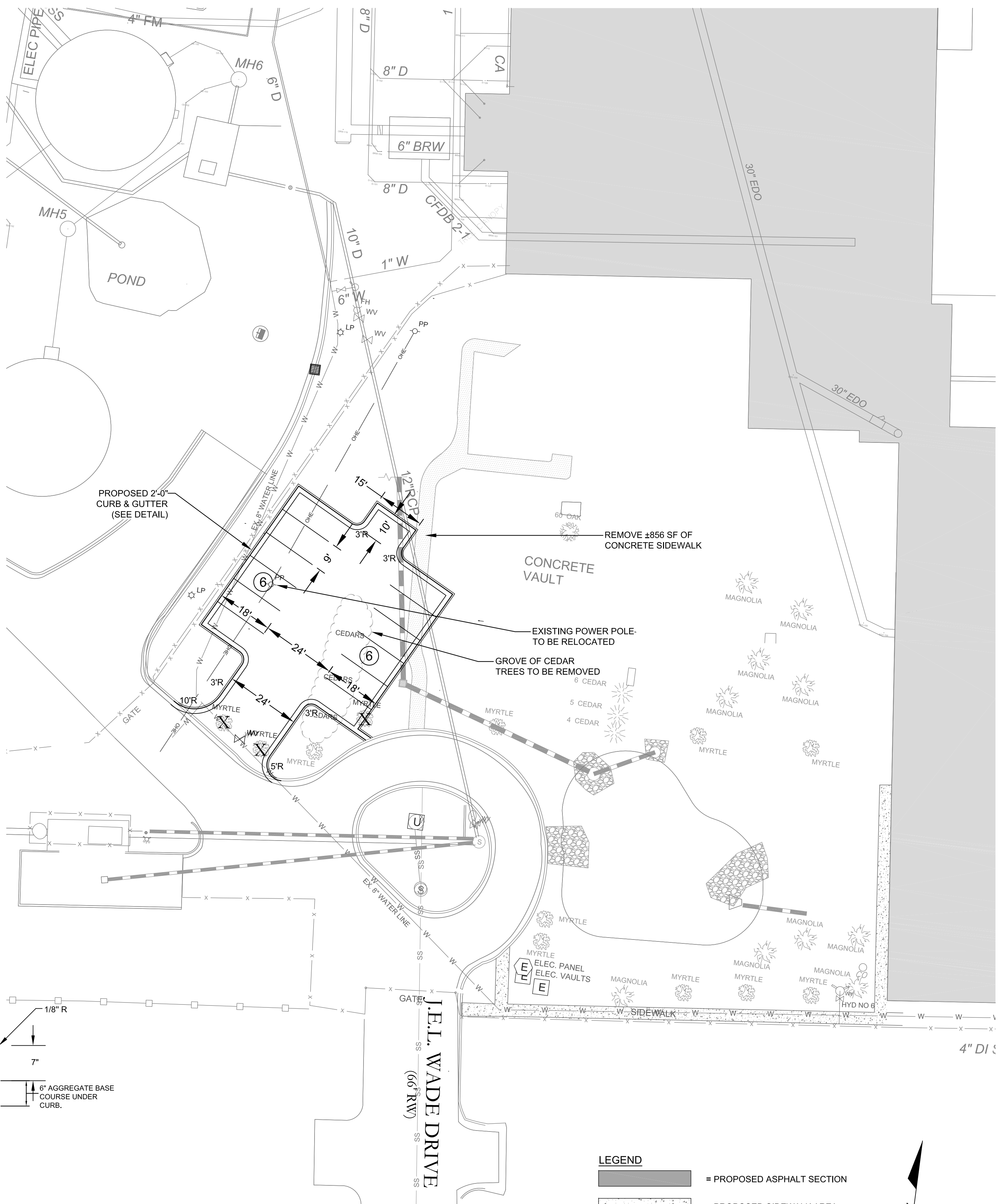
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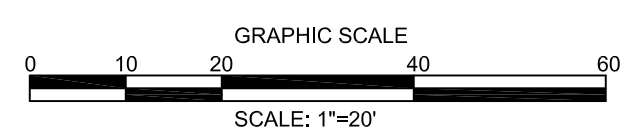


**LEGEND**

[Solid Grey Box] = PROPOSED ASPHALT SECTION

[Dotted Box] = PROPOSED SIDEWALK AREA

[X Symbol] = EXISTING TREE TO BE REMOVED



**REVISIONS:**

1.	REVISED PER CITY OF WILMINGTON TRC COMMENTS
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**CLIENT INFORMATION:**

**PARAMOUNT ENGINEERING**

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 Wilmington, North Carolina 28403  
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**DRAWING INFORMATION**

DATE: 12/01/15  
 SCALE: 1\"/>

SEAL

**C-2.1**

PEJ JOB#: 15252.PE

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