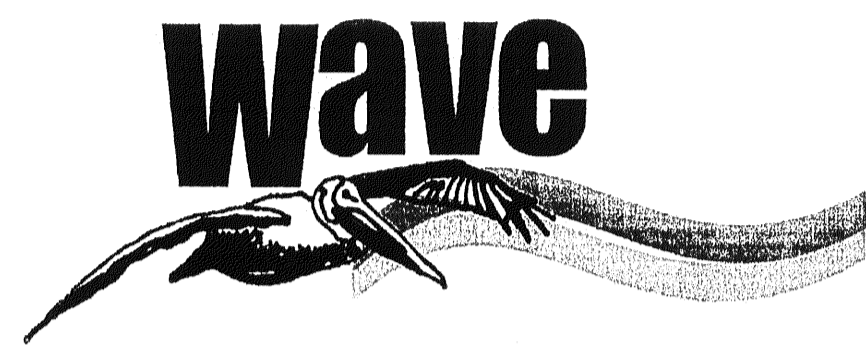


PROJECT

3RD STREET TRANSIT STATION

520 N. 3RD STREET
WILMINGTON, NORTH CAROLINA 28401

OWNER



CAPE FEAR PUBLIC TRANSIT AUTHORITY

505 CANDO STREET
WILMINGTON, NORTH CAROLINA 28405

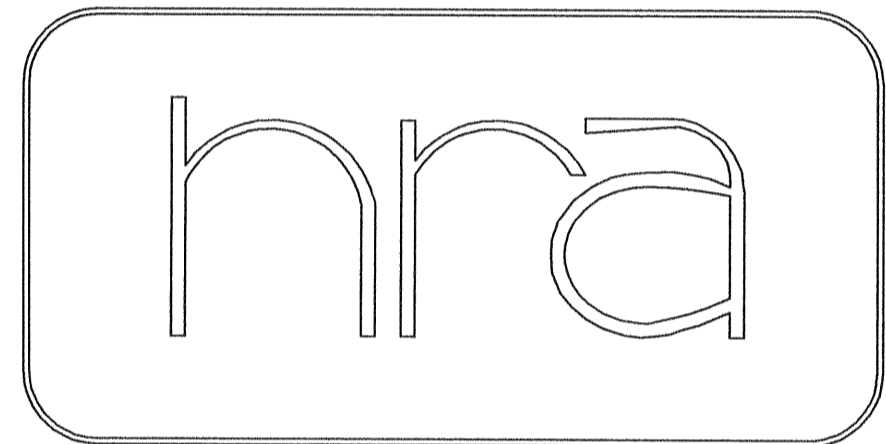
INDEX OF DRAWINGS

COVER

CIVIL

- C1 EXISTING SITE AND DEMOLITION PLAN
- C2 SITE PLAN EXISTING/NEW CONSTRUCTION
- C4 UTILITY PLAN

ARCHITECT



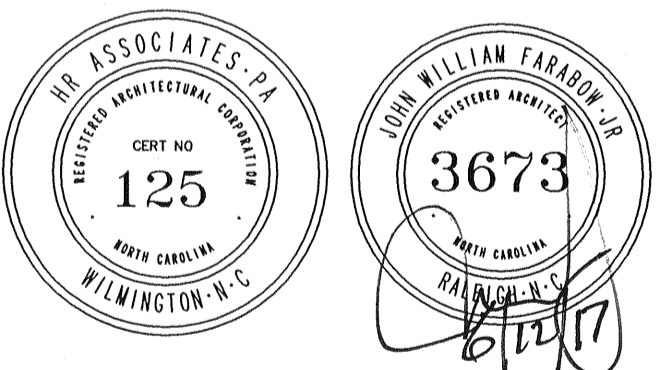
H R ASSOCIATES PA
 ARCHITECTURE PLANNING INTERIOR DESIGN
 2202 WRIGHTSVILLE AVENUE, SUITE 212
 WILMINGTON, NORTH CAROLINA 28403
 T. 910.343.6008
 RALEIGH
 T. 919.838.8304

CONSULTANTS

CRISER TROUTMAN TANNER ENGINEERS

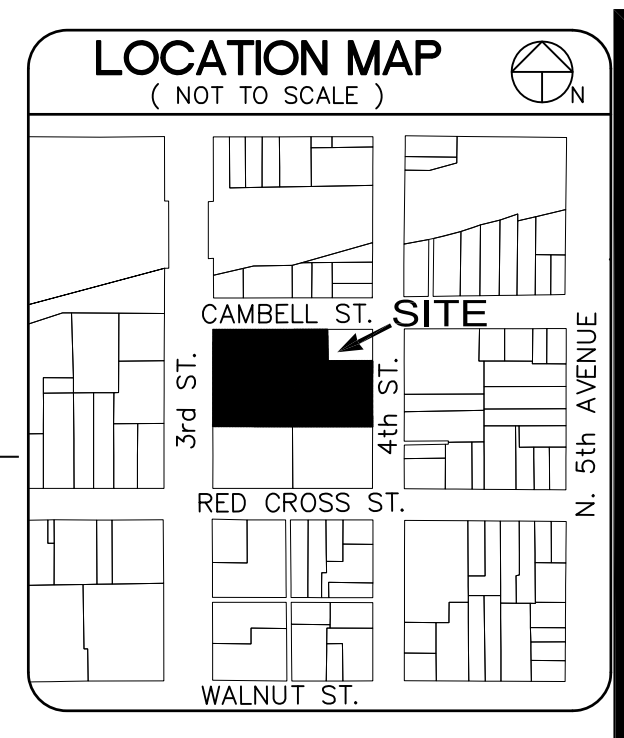
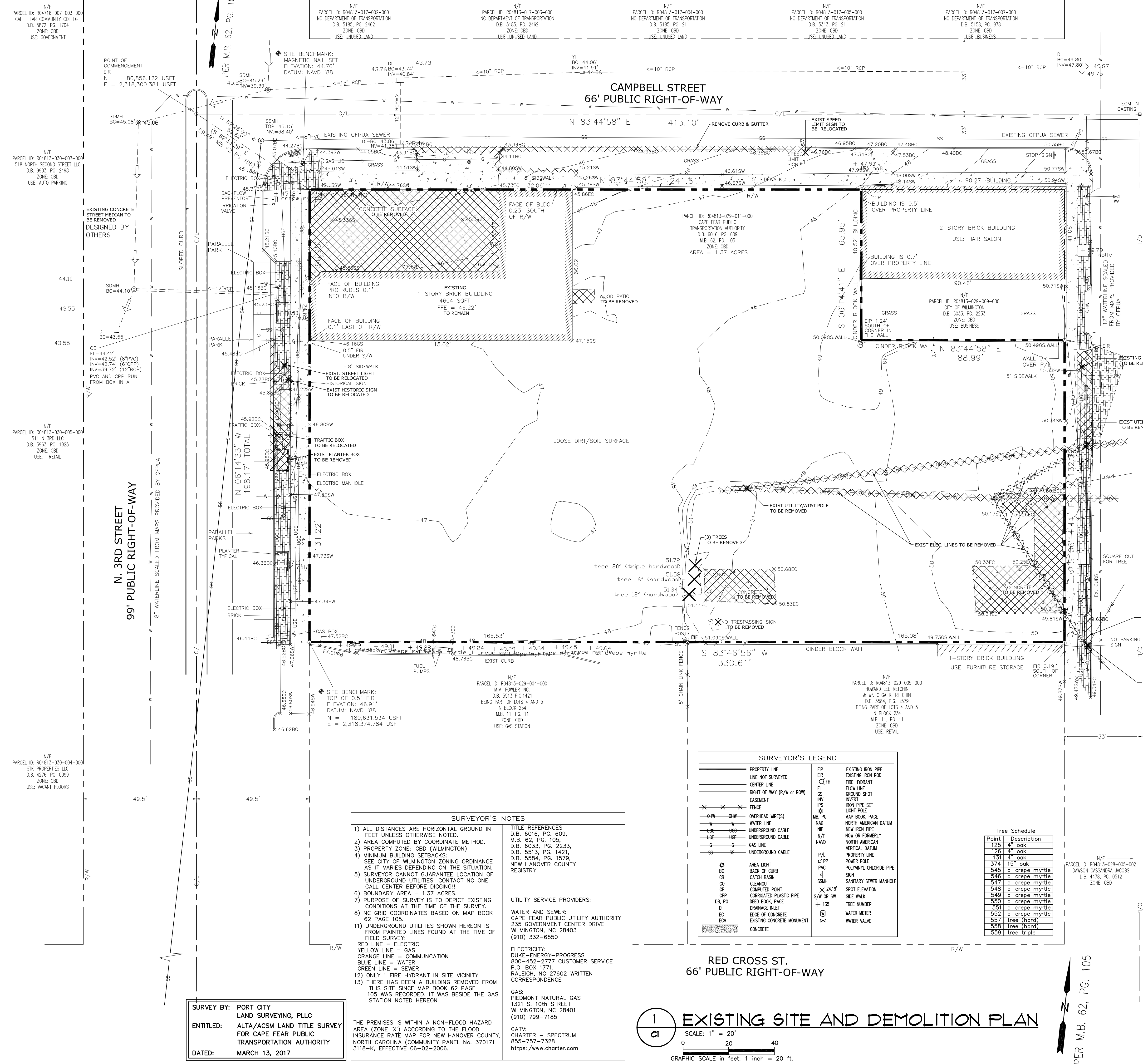
CIVIL ENGINEER

3809 PEACHTREE AVENUE, SUITE 102
WILMINGTON, NORTH CAROLINA 28403
T. 910.397.2929



PROJECT NUMBER	186716.03
DRAWING TITLE/NUMBER	COVER
12 JUNE 2017	

CITY/TRC SUBMITTAL
12 JUNE 2017



SHEET INDEX	
C1	EXISTING SITE AND DEMOLITION PLAN
C2	SITE PLAN
C3	GRADING, EROSION CONTROL, AND STORMWATER PLAN
C4	UTILITY PLAN
C5	CIVIL DETAILS
C6	CIVIL DETAILS
C7	CIVIL DETAILS
C8	DRAINAGE AREA PLAN

LEGEND	
	TREE TO BE REMOVED
	UTILITY TO BE REMOVED
	SIGNS TO BE REMOVED
	SURFACE MATERIAL TO BE REMOVED

NOTES:
 1. ALTA/ACSM SURVEY DATED MARCH 13, 2017 DID NOT SHOW ANY EXISTING EASEMENTS ON THIS PROPERTY.
 2. EXISTING TREE INFORMATION PROVIDED BY HR ASSOCIATES, PA, ON JUNE 07, 2017
 3. NO WETLANDS EXIST ON SITE.

CITY OF WILMINGTON
 NORTH CAROLINA
 Public Services • Engineering Division
 APPROVED STORMWATER MANAGEMENT PLAN

Date: _____ Permit # _____
 Signed: _____

Approved Construction Plan

Name _____ Date _____

Planning _____

Traffic _____

Fire _____

OWNER / DEVELOPER / APPLICANT
CAPE FEAR PUBLIC TRANSIT AUTHORITY (CFPTA)
 ADDRESS:
 P.O. BOX 12630
 WILMINGTON, NORTH CAROLINA 28405-0130
 PH: 910-343-0106
 Fax 910-772-7942
 Email: wavetransit@wavetransit.com

CRISER TROUTMAN TANNER
 CONSULTING ENGINEERS NC
 3809 Peachtree Ave., Suite 102
 Wilmington, NC 28403
 910.397.2929 Ph.
 910.397.2971 Fax
 www.ctengineering.com
 Firm License Number: F-0113
 7947.00

SURVEYOR'S NOTES

- ALL DISTANCES ARE HORIZONTAL GROUND IN FEET UNLESS OTHERWISE NOTED.
- AREA COMPUTED BY COORDINATE METHOD.
- PROPERTY ZONE: CBD (WILMINGTON)
- MINIMUM BUILDING SETBACKS: SEE CITY OF WILMINGTON ZONING ORDINANCE AS IT VARIES DEPENDING ON THE SITUATION.
- SURVEYOR CANNOT GUARANTEE LOCATION OF UNDERGROUND UTILITIES. CONTACT NC ONE CALL CENTER BEFORE DIGGING!!
- BOUNDARY AREA = 1.37 ACRES.
- PURPOSE OF SURVEY IS TO DEPICT EXISTING CONDITIONS AT THE TIME OF THE SURVEY.
- NC GRID COORDINATES BASED ON MAP BOOK 62 PAGE 105.
- UNDERGROUND UTILITIES SHOWN HEREON IS FROM PAINTED LINES FOUND AT THE TIME OF FIELD SURVEY:
 RED LINE = ELECTRIC
 YELLOW LINE = GAS
 ORANGE LINE = COMMUNICATION
 BLUE LINE = WATER
 GREEN LINE = SEWER
- ONLY 1 FIRE HYDRANT IN SITE VICINITY
- THERE HAS BEEN A BUILDING REMOVED FROM THIS SITE SINCE MAP BOOK 62 PAGE 105 WAS RECORDED, IT WAS BESIDE THE GAS STATION NOTED HEREON.

TITLE REFERENCES
 D.B. 6016, PG. 609, M.B. 62, PG. 105, D.B. 6033, PG. 2233, D.B. 5513, PG. 1421, D.B. 5584, PG. 1579, NEW HANOVER COUNTY REGISTRY.

UTILITY SERVICE PROVIDERS:
 WATER AND SEWER: CAPE FEAR PUBLIC UTILITY AUTHORITY 235 GOVERNMENT CENTER DRIVE WILMINGTON, NC 28403 (910) 332-6550
 ELECTRICITY: DUKE-ENERGY-PROGRESS 800-452-2777 CUSTOMER SERVICE P.O. BOX 1771, RALEIGH, NC 27662 WRITTEN CORRESPONDENCE
 GAS: PIEDMONT NATURAL GAS 1321 S. 10th STREET WILMINGTON, NC 28401 (910) 799-7185
 CATV: CHARTER - SPECTRUM 855-757-7328 https://www.charter.com

SURVEYOR'S LEGEND

—	PROPERTY LINE	EP	EXISTING IRON PIPE
- - -	LINE NOT SURVEYED	ER	EXISTING IRON ROD
—	CENTER LINE	CFH	FIRE HYDRANT
—	RIGHT OF WAY (R/W or ROW)	FL	FLOW LINE
- - -	EASEMENT	GS	GROUND SHOT
- - -	FENCE	INV	INVERT
—	OVERHEAD WIRE(S)	IPS	IRON PIPE SET
—	UNDERGROUND CABLE	MP, PG	MAP BOOK, PAGE
—	UNDERGROUND CABLE	WD	WATER LINE
—	UNDERGROUND CABLE	NIP	NEW IRON PIPE
—	UNDERGROUND CABLE	N/F	NOW OR FORMERLY
—	UNDERGROUND CABLE	NAVD	NORTH AMERICAN
—	UNDERGROUND CABLE	VP	VERTICAL DATUM
—	UNDERGROUND CABLE	P/L	PROPERTY LINE
—	UNDERGROUND CABLE	PP	POWER POLE
—	UNDERGROUND CABLE	PVC	POLYVINYL CHLORIDE PIPE
—	UNDERGROUND CABLE	SIN	SIGN
—	UNDERGROUND CABLE	SSMH	SANITARY SEWER MANHOLE
—	UNDERGROUND CABLE	S/EV	SPOT ELEVATION
—	UNDERGROUND CABLE	S/W OR SW	SIDE WALK
—	UNDERGROUND CABLE	DB, PG	DEED BOOK, PAGE
—	UNDERGROUND CABLE	D	DRAINAGE ALLEYS
—	UNDERGROUND CABLE	EC	EDGE OF CONCRETE
—	UNDERGROUND CABLE	ECM	EXISTING CONCRETE MONUMENT
—	UNDERGROUND CABLE	CONCRETE	CONCRETE
—	UNDERGROUND CABLE	EP	EXISTING IRON PIPE
—	UNDERGROUND CABLE	ER	EXISTING IRON ROD
—	UNDERGROUND CABLE	CFH	FIRE HYDRANT
—	UNDERGROUND CABLE	FL	FLOW LINE
—	UNDERGROUND CABLE	GS	GROUND SHOT
—	UNDERGROUND CABLE	INV	INVERT
—	UNDERGROUND CABLE	IPS	IRON PIPE SET
—	UNDERGROUND CABLE	MP, PG	MAP BOOK, PAGE
—	UNDERGROUND CABLE	WD	WATER LINE
—	UNDERGROUND CABLE	NIP	NEW IRON PIPE
—	UNDERGROUND CABLE	N/F	NOW OR FORMERLY
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—	UNDERGROUND CABLE	VP	VERTICAL DATUM
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—	UNDERGROUND CABLE	PVC	POLYVINYL CHLORIDE PIPE
—	UNDERGROUND CABLE	SIN	SIGN
—	UNDERGROUND CABLE	SSMH	SANITARY SEWER MANHOLE
—	UNDERGROUND CABLE	S/EV	SPOT ELEVATION
—	UNDERGROUND CABLE	S/W OR SW	SIDE WALK
—	UNDERGROUND CABLE	DB, PG	DEED BOOK, PAGE
—	UNDERGROUND CABLE	D	DRAINAGE ALLEYS
—	UNDERGROUND CABLE	EC	EDGE OF CONCRETE
—	UNDERGROUND CABLE	ECM	EXISTING CONCRETE MONUMENT
—	UNDERGROUND CABLE	CONCRETE	CONCRETE

Tree Schedule

Point	Description
125	4" oak
126	4" oak
131	4" oak
374	15" oak
545	cl crepe myrtle
546	cl crepe myrtle
547	cl crepe myrtle
548	cl crepe myrtle
549	cl crepe myrtle
550	cl crepe myrtle
551	cl crepe myrtle
552	cl crepe myrtle
557	tree (hard)
558	tree (hard)
559	tree triple

RED CROSS ST.
 66' PUBLIC RIGHT-OF-WAY

EXISTING SITE AND DEMOLITION PLAN

SCALE: 1" = 20'

GRAPHIC SCALE IN FEET: 1 inch = 20 ft.

SURVEY BY: PORT CITY LAND SURVEYING, PLLC
ENTITLED: ALTA/ACSM LAND TITLE SURVEY FOR CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY
DATED: MARCH 13, 2017

hra
 HR ASSOCIATES PA
 ARCHITECTURE
 PLANNING
 INTERIOR DESIGN
 2202 WRIGHTSVILLE AVENUE
 SUITE 212
 WILMINGTON, NC 28403
 T. 910.343.6008
 F. 910.343.8761

PRELIMINARY NOT FOR CONSTRUCTION

PROJECT ARCHITECT
 JOHN W. FARABOW, JR. AIA
PROJECT MANAGER
 M. ARCURI
CHECKED BY
 M. ARCURI
DRAWN BY
 H. LEONARD

ISSUE DATE
 4/21/2011 PRELIMINARY DESIGN/APPROVAL
 6/10/2011 CITY/TRC SUBMITTAL

REVISIONS

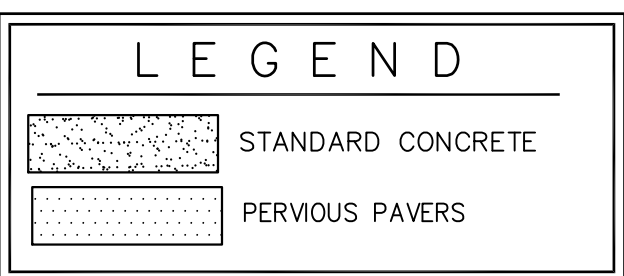
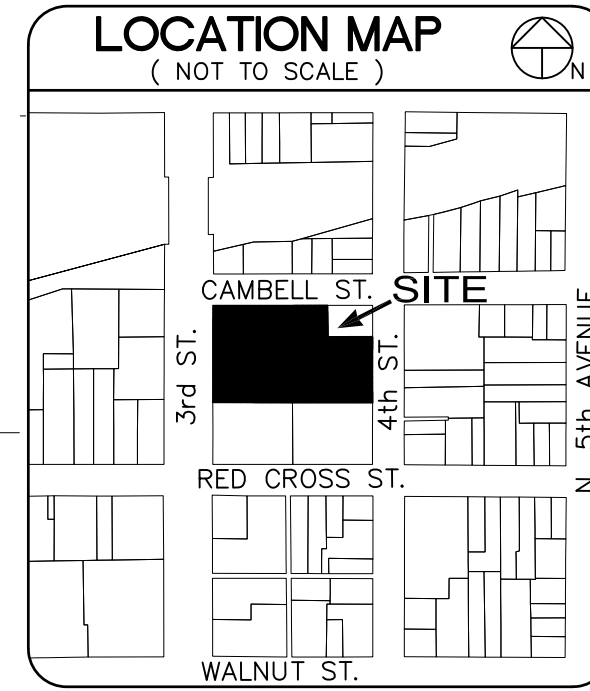
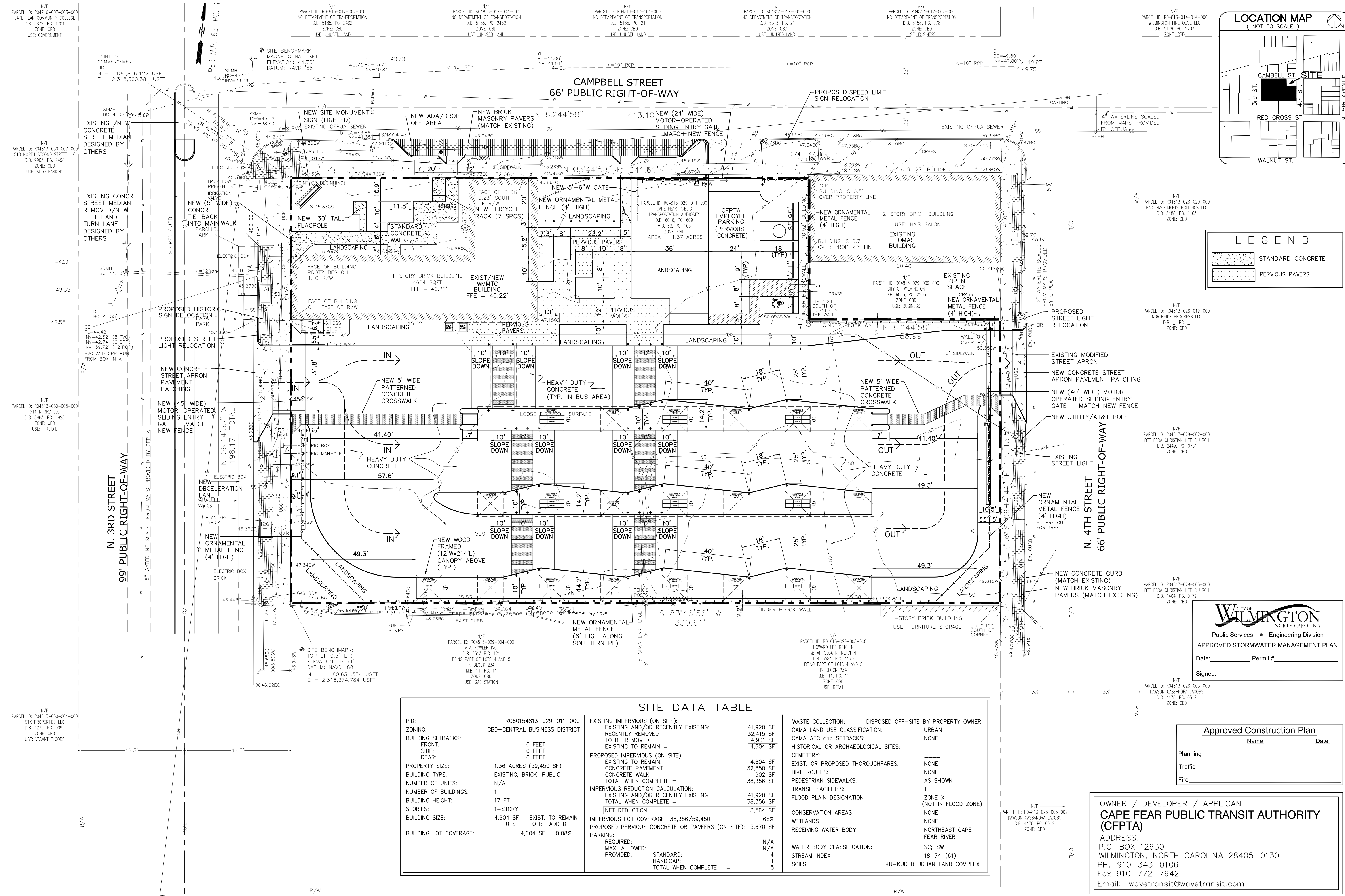
No.	Description

PROJECT NUMBER
 186716.03

DRAWING NUMBER
 EXISTING SITE AND DEMOLITION PLAN

C1
 12 JUNE 2017
 © 2011 BY H R ASSOCIATES, P.A.

CPTA 3RD STREET TRANSIT STATION - 520 N. 3RD STREET - WILMINGTON, NORTH CAROLINA 28401



PRELIMINARY NOT FOR CONSTRUCTION

PROJECT ARCHITECT
JOHN W. FARABOW, JR. AIA
PROJECT MANAGER
M. ARCURI
CHECKED BY
M. ARCURI
DRAWN BY
H. LEONARD

ISSUE DATE
4/21/2011 PRELIMINARY DESIGN/APPROVAL
6/12/2011 CITY/ARC SUBMITTAL

REVISIONS

PROJECT NUMBER
186716.03
DRAWING NUMBER
SITE PLAN

SITE DATA TABLE	
PID:	RO60154813-029-011-000
ZONING:	CBD-CENTRAL BUSINESS DISTRICT
BUILDING SETBACKS:	
FRONT:	0 FEET
SIDE:	0 FEET
REAR:	0 FEET
PROPERTY SIZE:	1.36 ACRES (59,450 SF)
BUILDING TYPE:	EXISTING, BRICK, PUBLIC
NUMBER OF UNITS:	N/A
NUMBER OF BUILDINGS:	1
BUILDING HEIGHT:	17 FT.
STORIES:	1-STORY
BUILDING SIZE:	4,604 SF - EXIST. TO REMAIN 0 SF - TO BE ADDED
BUILDING LOT COVERAGE:	4,604 SF = 0.08%
EXISTING IMPERVIOUS (ON SITE):	41,920 SF
EXISTING AND/OR RECENTLY EXISTING RECENTLY REMOVED TO BE REMOVED:	32,415 SF
EXISTING TO REMAIN =	4,901 SF
PROPOSED IMPERVIOUS (ON SITE):	4,604 SF
EXISTING TO REMAIN: CONCRETE PAVEMENT CONCRETE WALK:	4,604 SF
TOTAL WHEN COMPLETE =	38,356 SF
IMPERVIOUS REDUCTION CALCULATION:	
EXISTING AND/OR RECENTLY EXISTING TOTAL WHEN COMPLETE =	41,920 SF
NET REDUCTION =	3,564 SF
IMPERVIOUS LOT COVERAGE: 38,356/59,450	65%
PROPOSED PERVIOUS CONCRETE OR PAVEERS (ON SITE):	5,670 SF
PARKING:	
REQUIRED:	N/A
MAX. ALLOWED:	N/A
PROVIDED:	4
STANDARD: HANDICAP:	1
TOTAL WHEN COMPLETE =	5
WASTE COLLECTION:	DISPOSED OFF-SITE BY PROPERTY OWNER
CAMA LAND USE CLASSIFICATION:	URBAN
CAMA AEC AND SETBACKS:	NONE
HISTORICAL OR ARCHAEOLOGICAL SITES:	---
CEMETERY:	---
EXIST. OR PROPOSED THOROUGHFARES:	NONE
BIKE ROUTES:	NONE
PEDESTRIAN SIDEWALKS:	AS SHOWN
TRANSIT FACILITIES:	1
FLOOD PLAIN DESIGNATION:	ZONE X (NOT IN FLOOD ZONE)
CONSERVATION AREAS:	NONE
WETLANDS:	NONE
RECEIVING WATER BODY:	NORTHEAST CAPE FEAR RIVER
WATER BODY CLASSIFICATION:	SC; SW
STREAM INDEX:	18-74-(61)
SOILS:	KU-KURED URBAN LAND COMPLEX

Approved Construction Plan		
Name	Date	
Planning		
Traffic		
Fire		

OWNER / DEVELOPER / APPLICANT
CAPE FEAR PUBLIC TRANSIT AUTHORITY (CFPTA)
ADDRESS:
P.O. BOX 12630
WILMINGTON, NORTH CAROLINA 28405-0130
PH: 910-343-0106
Fax 910-772-7942
Email: wavetransit@wavetransit.com

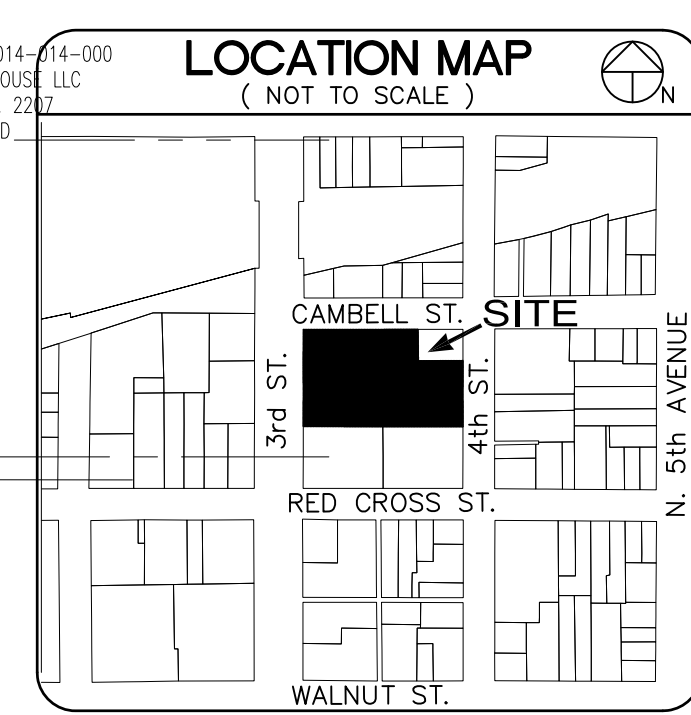
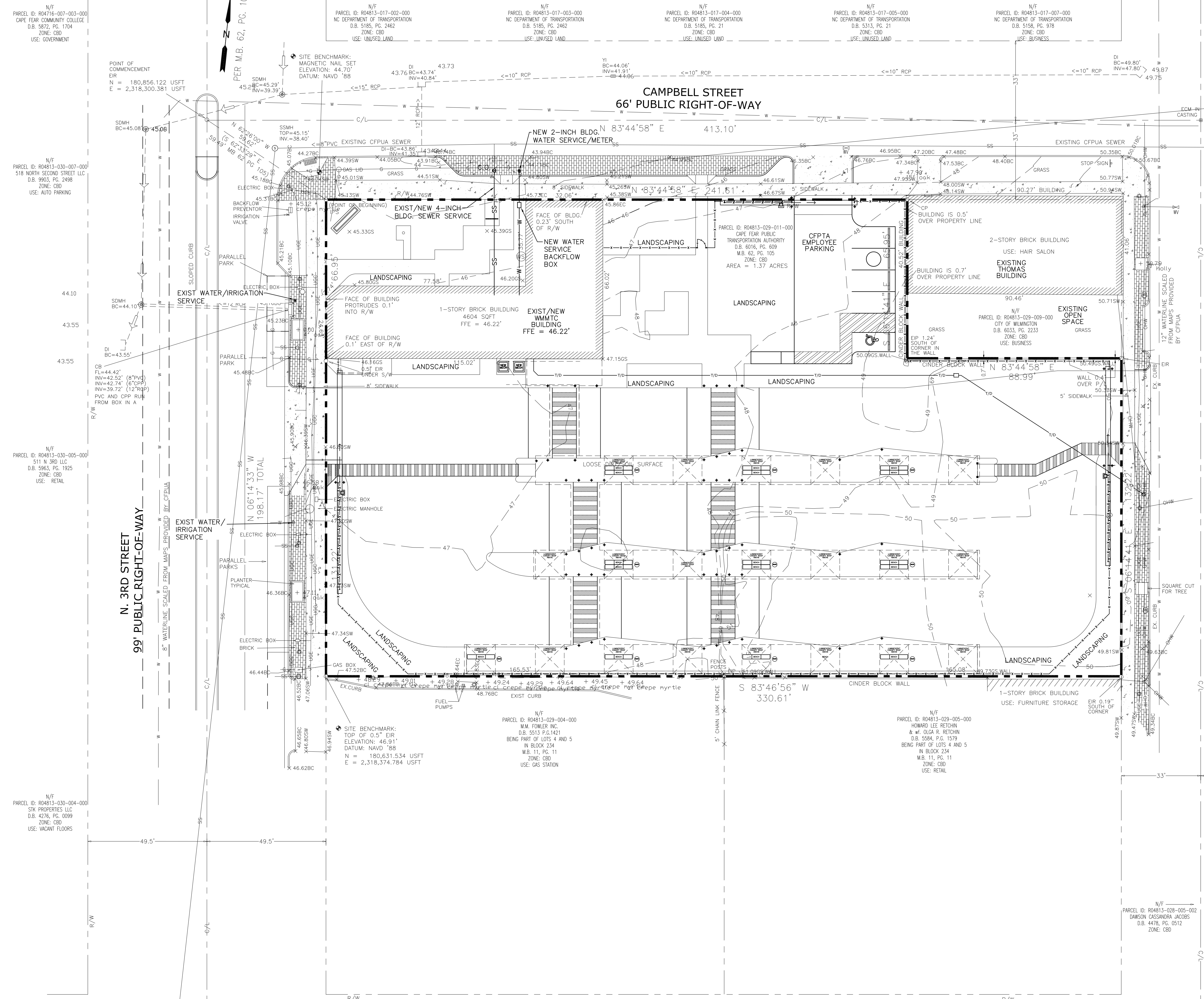
CRISER TROUTMAN TANNER
CONSULTING ENGINEERS NC
3809 Peachtree Ave., Suite 102
Wilmington, NC 28403
910.397.2929 Ph.
910.397.2971 Fax
www.ctengineering.com
Firm License Number: F-0113
7947.00

SURVEY BY: PORT CITY LAND SURVEYING, PLLC
ENTITLED: ALTA/ACSM LAND TITLE SURVEY FOR CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY
DATED: MARCH 13, 2017

RED CROSS ST.
66' PUBLIC RIGHT-OF-WAY

SITE PLAN
SCALE: 1" = 20'
GRAPHIC SCALE IN FEET: 1 inch = 20 ft.

CPTA 3RD STREET TRANSIT STATION - 520 N. 3RD STREET - WILMINGTON, NORTH CAROLINA 28401



LEGEND

SSMH	SANITARY SEWER MANHOLE
SS	SANITARY SEWER
C.O.	CLEAN OUT
SSCO	SANITARY SEWER CLEAN OUT
W	POTABLE WATER
IW	IRRIGATION WATER
TS&V	TAPPING SLEEVE & VALVE
BFP	BACK FLOW PREVENTER
IN	INVERT
WV	WATER VALVE

WILMINGTON
NORTH CAROLINA
Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN
Date: Permit #
Signed:

Approved Construction Plan

Name	Date
Planning	
Traffic	
Fire	

SURVEY BY: PORT CITY LAND SURVEYING, PLLC
ENTITLED: ALTA/ACSM LAND TITLE SURVEY FOR CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY
DATED: MARCH 13, 2017

OWNER / DEVELOPER / APPLICANT
CAPE FEAR PUBLIC TRANSIT AUTHORITY (CFPTA)
ADDRESS:
P.O. BOX 12630
WILMINGTON, NORTH CAROLINA 28405-0130
PH: 910-343-0106
Fax 910-772-7942
Email: wavetransit@wavetransit.com

CRISER TROUTMAN TANNER
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7947.00

UTILITY PLAN
SCALE: 1" = 20'
GRAPHIC SCALE IN FEET: 1 inch = 20 ft.

NOTE:
EXISTING SEWER IN CAMPBELL STREET IS CFPWA.

WATER AND SEWER CAPACITY NEEDS
WATER: 400 PASSENGER @ 5GPD/PASSENGER = 2,000 GPD
SEWER: 400 PASSENGER @ 5GPD/PASSENGER = 2,000 GPD

hra
H R ASSOCIATES PA
ARCHITECTURE
PLANNING
INTERIOR DESIGN
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SUITE 212
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PROJECT NUMBER
186716.03
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UTILITY PLAN

CFPTA 3RD STREET TRANSIT STATION - 520 N. 3RD STREET - WILMINGTON, NORTH CAROLINA 28401



C4