

SITE INFORMATION
 PARCEL ID: R06500-003-004-000
 CURRENT ZONING: RB-CD & O&I-1-CD
 PROPOSED USE: MIXED USE
 TOTAL SITE AREA: 34.98 ACRES
 OWNER INFORMATION: BARCLAY COMMONS RETAIL, LLC
 111 METROPOLITAN AVE, SUITE 700
 CHARLOTTE, NC 28204
 THIS PARCEL IS LOCATED IN FLOOD ZONE X, WHICH IS NOT A SPECIAL FLOOD HAZARD AREA AS DETERMINED BY FEMA FLOOD PANEL 3720312500J, DATED APRIL 3, 2006

FLOOD INFORMATION:
 FEMA FLOOD PANEL 3720312500J, DATED APRIL 3, 2006
 URBAN
 MB 51 PG 9-13

CAMA LAND USE CLASSIFICATION:
 DRAINAGE EASEMENTS:
 TOTAL IMPERVIOUS AREA:
 EXISTING (GALLERY PARK BLVD PLANS): 2,177 SF
 BUILDINGS & OUTDOOR COURTYARDS: 74,395 SF
 PAVEMENT: 524,718 SF
 SIDEWALKS: 61,738 SF
 FUTURE: 421,465 SF
TOTAL: 1,084,491 SF (24.9 AC, 71.2%)

ZONING ACREAGE:
 RB-CD: 34.21 AC
 O&I-1-CD: 0.77 AC

PHASE 1 TABULATIONS
 - TOTAL PH 1 AREA: 27.75 AC
 - TOTAL BUILDING SF: ± 74,101 SF
 - THEATER SF: ± 55,501 SF
 - BUILDING 1: ± 9,300 SF
 - BUILDING 2: ± 9,300 SF
 - BUILDING COVERAGE: ± 28 AC / 74,101 SF = 17% COVERAGE

DIMENSIONAL REQUIREMENTS
 RB - REGIONAL BUSINESS
 - MINIMUM LOT AREA: 1 ACRE
 - MINIMUM LOT WIDTH: 100'
 - MAXIMUM LOT COVERAGE: 40%
 - MINIMUM FRONT SETBACK: 0' (RB-CD)
 - MINIMUM REAR SETBACK: 15'
 - MINIMUM INTERIOR SIDE SETBACK: 0'
 - MINIMUM CORNER LOT SIDE SETBACK: 25'
 - MAXIMUM BUILDING HEIGHT: 35'

O&I-1 - OFFICE & INSTITUTIONAL 1
 - MINIMUM LOT AREA: 15,000 SF
 - MAXIMUM LOT COVERAGE: 40%
 - MINIMUM LOT WIDTH: 80'
 - MINIMUM FRONT SETBACK: 20'
 - MINIMUM REAR SETBACK: 20'
 - MINIMUM INTERIOR SIDE SETBACK: 10'
 - MINIMUM CORNER LOT SIDE SETBACK: 20'
 - MAXIMUM BUILDING HEIGHT: 45'

PHASE 1 PARKING DATA
TOTAL PH 1 PARKING REQUIRED: 863 SPACES
 THEATER PARKING REQUIRED: 1 SPACE / 4 SEATS; 2,822 SEATS/4 = 705 SPACES
 BLDG 2 & 3 RESTAURANT PARKING REQUIRED: 1 SPACE/ 80 SF - KITCHEN AREA: 18,600 SF - 6,000 SF = 12,600 SF/ 80 SF = 158 SPACES

TOTAL PH 1 PARKING PROVIDED SPACES: 940 SPACES
 19 SPACES INCLUDING 3 VAN SPACES
 (940 - 2% = 19 SPACES; 116 SPACES = 3 VAN SPACES)
 TOTAL ADA COMPLIANT SPACES PROVIDED: 20 SPACES INCLUDING 6 VAN SPACES
 (DISTRIBUTED TO SHARE PARKING ACROSS PH 1)

PHASE 1 TRACT BREAK OUT PARKING SUMMARY:

TRACT 1
 TOTAL BUILDING SF: 61,150 SF (ESTIMATED)
 BLDG 2 & 3: 18,600 SF
 FUTURE BLDG 4-8: 42,550 SF (FUTURE BLDG SF ESTIMATED)
 TRACT 1 PARKING SPACES PROVIDED: 404 SPACES (PLANNED IN PHASE 1 CONSTRUCTION TO BLDG 2,3 AND SHARE PARKING WITH CINEMA)

TRACT 2 (CINEMA)
 BUILDING 1 SF: 55,501 SF
 PARKING SPACES: 536 SPACES

TOTAL ESTIMATED PH 1 BUILDING SF: 116,651 SF TOTAL
 TOTAL PARKING SPACES: 940 SPACES TOTAL

TOTAL HANDICAP SPACES REQUIRED: 19 SPACES INCLUDING 3 VAN SPACES
 TOTAL PROVIDED: 20 SPACES INCLUDING 6 VAN SPACES
 (DISTRIBUTED TO SHARE PARKING ACROSS PH 1)

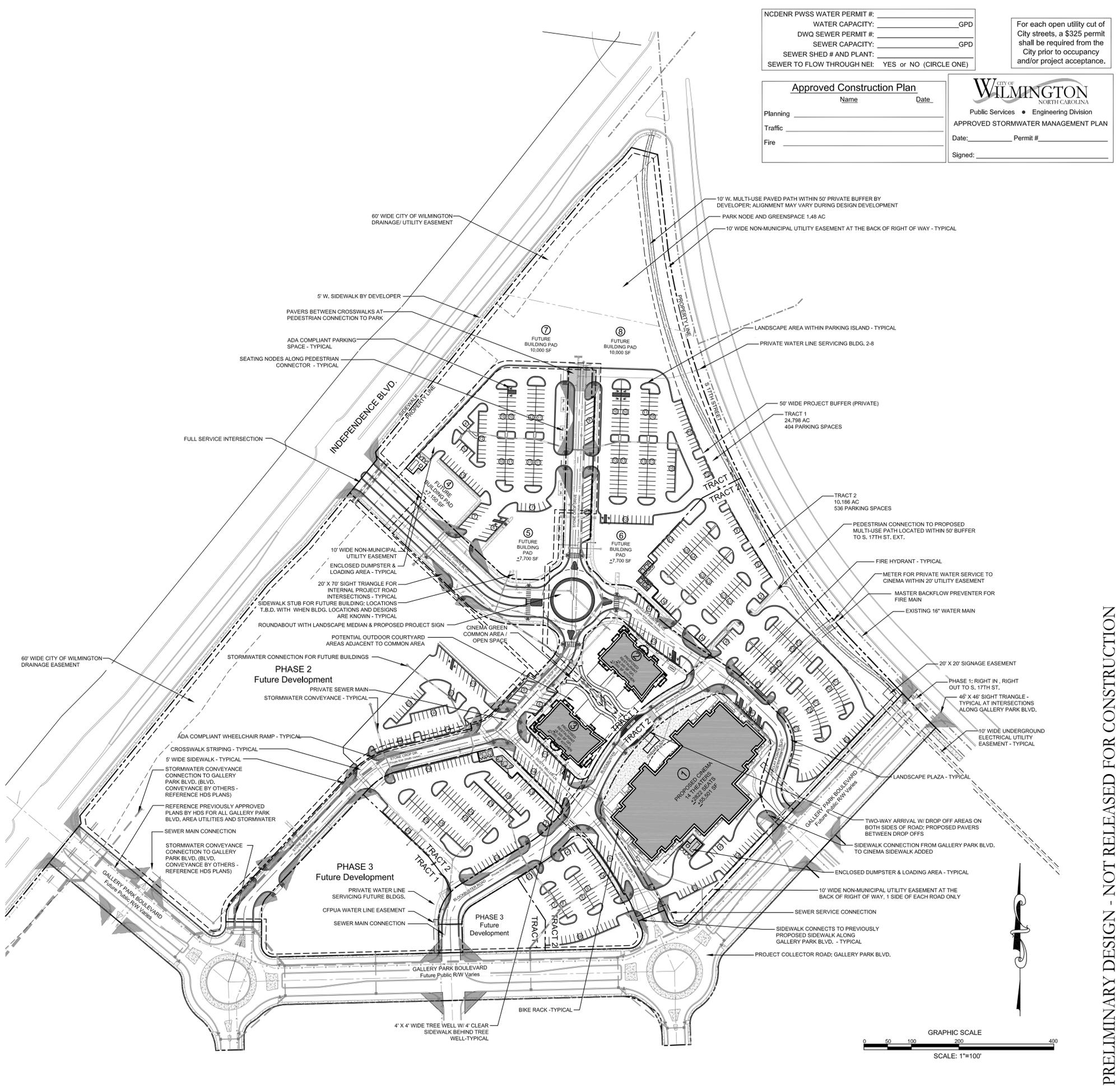
TOTAL BIKE PARKING REQUIRED: 20 SPACES PER CITY ORDINANCE SECTION 18-526F
 TOTAL BIKE PARKING PROVIDED: 20 SPACES PROVIDED

GENERAL ZONING AND PERMITTING NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL CITY OF WILMINGTON AND NEW HANOVER COUNTY APPROVED PLANS, STANDARDS, AND SPECIFICATIONS.
- LIMITS OF DISTURBANCE:
 PREVIOUSLY PERMITTED = 46.45 AC (19.67 AC + 26.78 AC)
 ADDITIONAL = 24.71 AC (21.70 AC + 3.01 AC)
 TOTAL = 71.16 AC PERMITTED WITH APPROVED EROSION CONTROL PLANS
- CONTRACTOR SHALL GAIN ACCESS TO SITE THROUGH THE EXISTING CONSTRUCTION ENTRANCE ALONG GEORGE ANDERSON DRIVE AND LIMITS OF DISTURBANCE DEPICTED ON THE BARCLAY WEST GALLERY PARK BOULEVARD PLANS PREPARED BY HANOVER DESIGN SERVICES DATED 04.21.15 LAST REVISED 06.09.15 UNTIL INGRESS / EGRESS IS ALLOWED AND APPROVED ALONG FUTURE GALLERY PARK BOULEVARD.
- IT IS POSSIBLE THAT CONSTRUCTION OF GALLERY PARK BOULEVARD MAY BE ONGOING AT THE TIME OF CLEARING AND MASS GRADING CONSTRUCTION AS DEPICTED ON THESE PLANS. CONTRACTOR SHALL COORDINATE WITH OWNER / OWNER'S REPRESENTATIVE SCHEDULE AND CONSTRUCTION ACTIVITIES TO MINIMIZE DELAYS OR INTERFERENCE WITH ANY OTHER CONTRACTORS OR SUBCONTRACTORS.
- PER HANOVER DESIGN SERVICES, P.A. SURVEY AND PLANS DATED 04.21.15 LAST REVISED 06.09.15, *404 WETLANDS DO NOT EXIST ON SITE PER U.S. CORPS OF ENGINEERS DETERMINATION. SEE ACTION SAW-2012-01938. DETERMINATION EXPIRATION DATE 01-19-2018.
- PERMITTED EROSION CONTROL LIMITS OF DISTURBANCE TAKEN FROM BARCLAY WEST GALLERY PARK BOULEVARD PLANS PREPARED BY HANOVER DESIGN SERVICES, P.A. DATED 04.21.15 LAST REVISED 06.09.15.
- THE PROPOSED GALLERY PARK BOULEVARD AND WET DETENTION POND AS SHOWN HAVE BEEN TAKEN FROM A CAD FILE PROVIDED BY HANOVER DESIGN SERVICES, P.A. ON 06.04.15. ALL GRADE TIE-INS, ROAD CONNECTIONS, AND UTILITY CONNECTIONS SHALL BE FIELD VERIFIED TO CONFIRM THAT THE AS-BUILT CONDITIONS MATCH THE DESIGN CONDITIONS AS DEPICTED. CONTRACTOR SHALL CONTACT THE OWNER AND ENGINEER WITH ANY DISCREPANCIES.
- FOR ADDITIONAL INFORMATION PERTAINING TO THE COMMERCIAL TRACTS, REFERENCE PARAMOUNT ENGINEERING PLANS PREVIOUSLY SUBMITTED TO THE CITY OF WILMINGTON INCLUDING: TRC PLANS, STORMWATER PLANS, CFPWA UTILITY PLANS, AND EROSION CONTROL PLANS.

CITY STANDARD NOTES

- 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.
- ANY TREES AND/OR AREAS DESIGNATED TO BE PROTECTED MUST BE PROPERLY BARRICADED WITH FENCING AND PROTECTED THROUGHOUT CONSTRUCTION TO INSURE THAT NO CLEARING, GRADING OR STAGING OF MATERIALS WILL OCCUR IN THOSE AREAS.
- NO EQUIPMENT IS ALLOWED ON SITE UNTIL ALL TREE PROTECTION FENCING AND SILT FENCING IS INSTALLED AND APPROVED. PROTECTIVE FENCING IS TO BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT, AND CONTRACTORS SHALL RECEIVE ADEQUATE INSTRUCTION ON TREE PROTECTION METHODS.
- ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND /OR NCDOT STANDARDS.
- ONCE STREETS ARE OPEN TO TRAFFIC, CONTACT TRAFFIC ENGINEERING TO REQUEST INSTALLATION OF TRAFFIC AND STREET NAME SIGNS. PROPOSED STREET NAMES MUST BE APPROVED PRIOR TO INSTALLATION OF STREET NAME SIGNS.
- TRAFFIC CONTROL DEVICES (INCLUDING SIGNS AND PAVEMENT MARKINGS) IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES) STANDARDS.
- CONTACT TRAFFIC ENGINEERING AT 341-7888 TO ENSURE THAT ALL TRAFFIC SIGNAL FACILITIES AND EQUIPMENT ARE SHOWN ON THE PLAN.
- CALL TRAFFIC ENGINEERING AT 341-7888 FORTY-EIGHT HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT-OF-WAY.
- TRAFFIC ENGINEERING MUST APPROVE OF PAVEMENT MARKING PRIOR TO ACTUAL STRIPING.
- ALL PARKING STALL MARKINGS AND LANE ARROWS WITHIN THE PARKING AREAS SHALL BE WHITE.
- ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT-OF-WAY ARE TO BE MAINTAINED BY THE OWNER IN ACCORDANCE WITH MUTCD STANDARDS.
- STOP SIGNS AND STREET SIGNS TO REMAIN IN PLACE DURING CONSTRUCTION.
- TACTILE WARNING MATS WILL BE INSTALLED ON ALL WHEELCHAIR RAMPS.
- A UTILITY CUT PERMIT IS REQUIRED FOR EACH OPEN CUT OF A CITY STREET. IN CERTAIN CASES ENTIRE RESURFACING OF THE OPEN CUT AREA MAY BE REQUIRED.
- ANY BROKEN OR MISSING SIDEWALK OR DRIVEWAY PANELS OR CURBING WILL BE REPLACED.
- CONTACT THE CITY AT 341-7888 TO DISCUSS STREET LIGHTING OPTIONS.
- WATER AND SEWER SERVICE SHALL MEET CAPE FEAR PUBLIC UTILITY AUTHORITY (CFPUA) DETAILS AND SPECIFICATIONS.
- PROJECT SHALL COMPLY WITH CAPE FEAR PUBLIC UTILITY AUTHORITY CROSS CONNECTION CONTROL REGULATIONS. WATER METERS CANNOT BE RELEASED UNTIL ALL REQUIREMENTS ARE MET AND THE STATE HAS GIVEN THEIR FINAL APPROVAL. CALL 343-3910 FOR INFORMATION.
- IF THE CONTRACTOR DESIRES CFPWA WATER FOR CONSTRUCTION HE SHALL APPLY IN ADVANCE FOR THIS SERVICE AND MUST PROVIDE A REDUCED PRESSURE ZONE (RPZ) BACKFLOW PREVENTION DEVICE ON THE DEVELOPER'S SIDE OF THE WATER METER BOX.
- ANY IRRIGATION SYSTEM SUPPLIED BY CFPWA WATER SHALL COMPLY WITH CFPWA CROSS CONNECTION CONTROL REGULATIONS. CALL 343-3910 FOR INFORMATION.
- ANY IRRIGATION SYSTEM SHALL BE EQUIPPED WITH A RAIN AND FREEZER SENSOR.
- ANY BACKFLOW PREVENTION DEVICES REQUIRED BY CFPWA WILL NEED TO BE ON THE LIST OF APPROVED DEVICES BY USCFOCCR OR ASSE.
- CONTRACTOR TO FIELD VERIFY EXISTING WATER AND SEWER SERVICE LOCATION, SIZES AND MATERIALS PRIOR TO CONSTRUCTION. ENGINEER TO BE NOTIFIED OF ANY CONFLICTS.
- CONTRACTOR SHALL MAINTAIN ALL-WEATHER ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING CONSTRUCTION.
- UNDERGROUND FIRE LINES MUST BE PERMITTED AND INSPECTED BY THE WILMINGTON FIRE DEPARTMENT FROM THE PUBLIC RIGHT-OF-WAY TO THE BUILDING. CONTACT THE WILMINGTON FIRE DEPARTMENT DIVISION OF FIRE AND LIFE SAFETY AT 910.341.0688.
- NO OBSTRUCTIONS ARE PERMITTED IN THE SPACE BETWEEN THIRTY (30) INCHES AND TEN (10) FEET ABOVE THE GROUND WITHIN THE TRIANGULAR SIGHT DISTANCE.
- CONTACT THE NORTH CAROLINA ONE CALL CENTER AT 1-800-632-4849 PRIOR TO ANY DIGGING, CLEARING OR GRADING.
- ANY PVC MAINS ARE TO BE MARKED WITH NO.10 INSULATED COPPER WIRE INSTALLED THE ENTIRE LENGTH AND STRAPPED TO THE PIPE WITH DUCT TAPE, AND STRIPPED TO BARE WIRE AND SECURED TO ALL VALVES AND FITTINGS, ACCESSIBLE IN ALL VALVE AND METER BOXES. ALL WATER MAINS ARE TO HAVE A MINIMUM OF 3' COVER.



NCDENR PWSS WATER PERMIT #: _____
 WATER CAPACITY: _____ GPD
 DWQ SEWER PERMIT #: _____
 SEWER CAPACITY: _____ GPD
 SEWER SHED # AND PLANT: _____
 SEWER TO FLOW THROUGH NEI: YES or NO (CIRCLE ONE)

Approved Construction Plan
 Name _____ Date _____
 Planning _____
 Traffic _____
 Fire _____

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

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

REVISIONS:

08/14/15	Rev 1 per TRC comments
08/26/15	Rev 2 per TRC comments
12/28/15	Rev 3 per TRC comments & SRB approval conditions
1/5/16	Rev 4 per TRC comments & SRB approval conditions

CLIENT INFORMATION:
Barclay Commons Retail, LLC
 111 Metropolitan Ave, Suite 700
 Charlotte, NC 28204

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

OVERALL SITE PLAN
THE POINT AT BARCLAY
'BARCLAY WEST TRACT B'
CITY OF WILMINGTON
NORTH CAROLINA

PROJECT STATUS
 CONCEPTUAL LAYOUT: _____
 FINAL DESIGN: _____
 RELEASED FOR CONSTRUCTION: _____

DRAWING INFORMATION
 DATE: 08/14/15
 SCALE: 1" = 100'
 DESIGNED: _____
 CHECKED: _____

SEAL

C-2.0

PEJ JOB#: 14222.PE

PRELIMINARY DESIGN - NOT RELEASED FOR CONSTRUCTION

NCDENR PWSS WATER PERMIT #: _____
 WATER CAPACITY: _____ GPD
 DWQ SEWER PERMIT #: _____
 SEWER CAPACITY: _____ GPD
 SEWER SHED # AND PLANT: _____
 SEWER TO FLOW THROUGH NEI: YES OR NO (CIRCLE ONE)

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 STORMWATER MANAGEMENT PLAN

Date: _____ Permit #: _____
 Signed: _____

REVISIONS:	DATE	DESCRIPTION
Rev 1 per TRC comments	08/14/15	
Rev 2 per TRC comments	08/26/15	
Rev 3 per TRC comments & SRB approval conditions	12/28/15	
Rev 4 per TRC comments & SRB approval conditions	1/5/16	

CLIENT INFORMATION:
Barclay Commons Retail, LLC
 111 Metropolitan Ave, Suite 700
 Charlotte, NC 28204

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

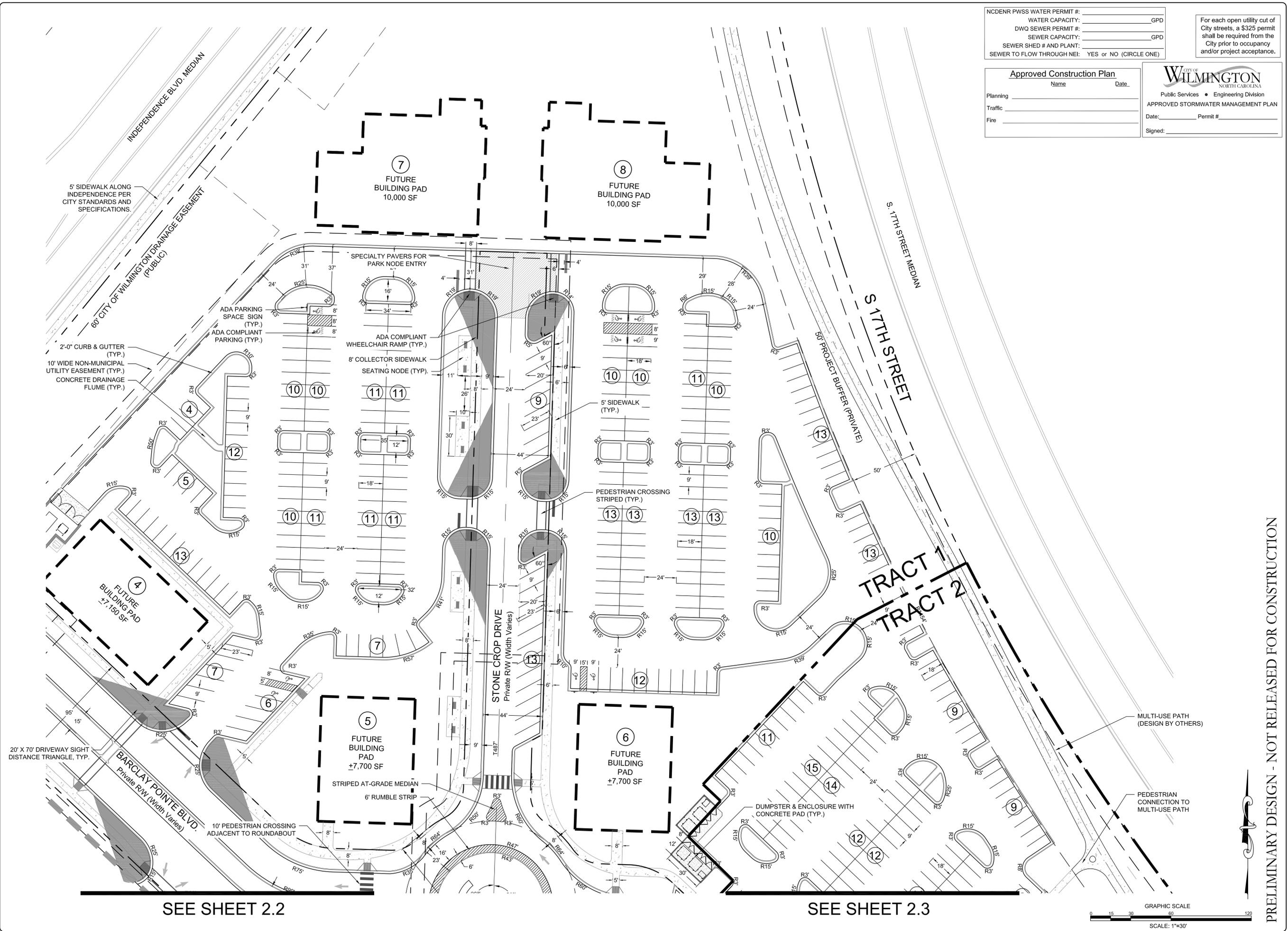
SITE PLAN
 THE POINTE AT BARCLAY
 'BARCLAY WEST TRACT B'
 CITY OF WILMINGTON
 NORTH CAROLINA

PROJECT STATUS	DATE	DESCRIPTION
CONCEPTUAL LAYOUT	08/14/15	
RELEASED FOR CONSTRUCTION	08/26/15	

SEAL

C-2.1

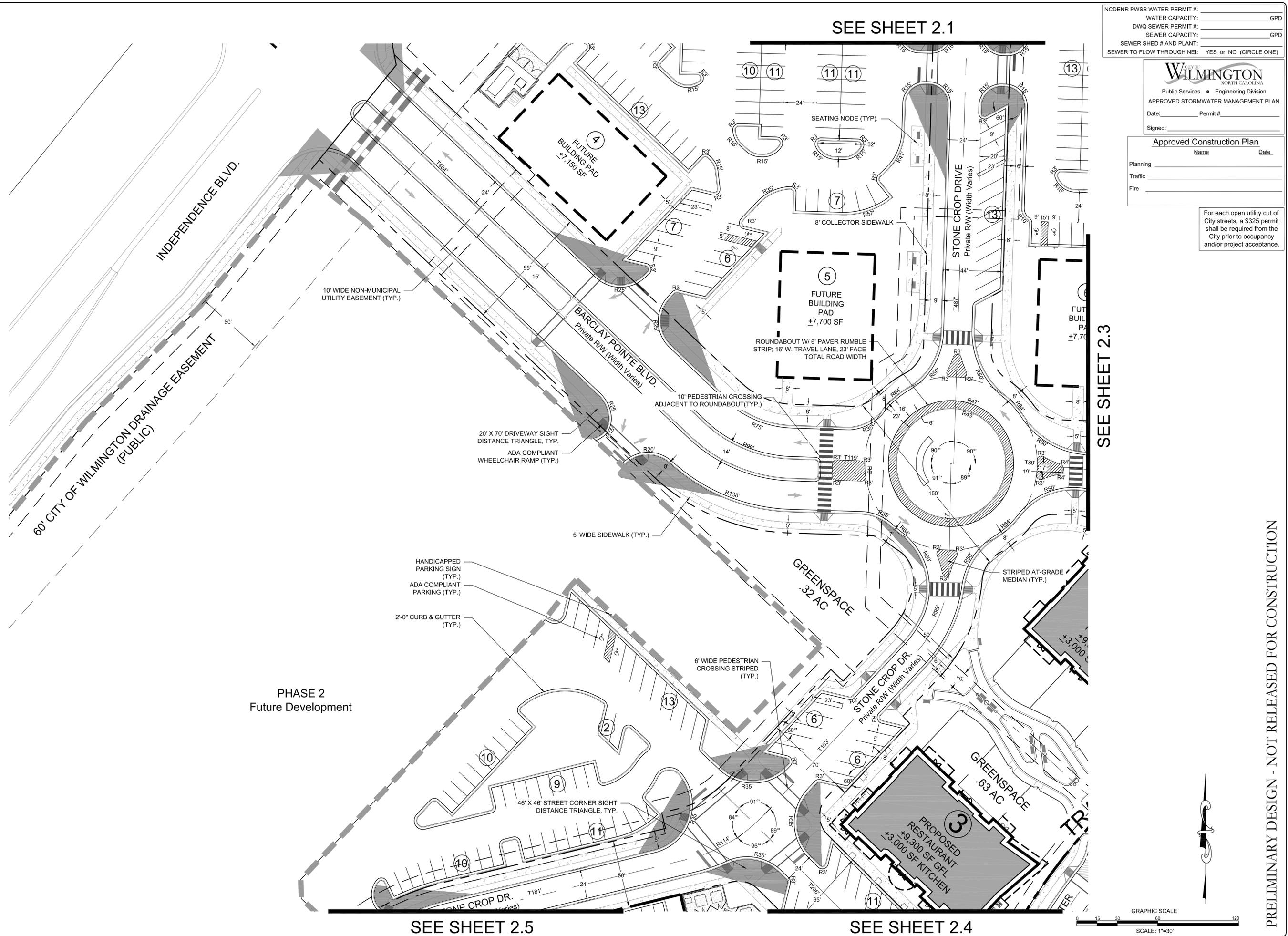
PEI JOB#: 14222.PE



SEE SHEET 2.2

SEE SHEET 2.3

PRELIMINARY DESIGN - NOT RELEASED FOR CONSTRUCTION



SEE SHEET 2.1

NC DENR PWSS WATER PERMIT #:	
WATER CAPACITY:	GPD
DWQ SEWER PERMIT #:	
SEWER CAPACITY:	GPD
SEWER SHED # AND PLANT:	
SEWER TO FLOW THROUGH NEI:	YES or NO (CIRCLE ONE)

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

Approved Construction Plan
 Name _____ Date _____
 Planning _____
 Traffic _____
 Fire _____

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

REVISIONS:
Rev 1 per TRC comments
Rev 2 per TRC comments
Rev 3 per TRC comments & SRB approval conditions
Rev 4 per TRC comments & SRB approval conditions

CLIENT INFORMATION:
Barclay Commons Retail, LLC
 111 Metropolitan Ave, Suite 700
 Charlotte, NC 28204

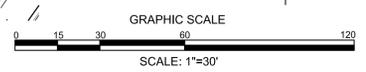
PARAMOUNT ENGINEERING
 5911 Olander Drive, Suite 201
 Wilmington, North Carolina 28403
 (910) 791-6707 (O) (910) 791-6700 (F)
 NC License # C-2846

SITE PLAN
 THE POINT AT BARCLAY
 BARCLAY WEST TRACT 'B'
 CITY OF WILMINGTON
 NORTH CAROLINA

PROJECT STATUS
CONCEPTUAL LAYOUT:
FINAL DESIGN LAYOUT:
RELEASED FOR CONSTRUCTION:
DRAWING INFORMATION
DATE:
SCALE:
DESIGNED:
CHECKED:

SEAL
C-2.2
 PEI JOB#: 14222.PE

PRELIMINARY DESIGN - NOT RELEASED FOR CONSTRUCTION



PHASE 2
 Future Development

SEE SHEET 2.5

SEE SHEET 2.4

SEE SHEET 2.3

SEE SHEET 2.1

NCDENR PWSS WATER PERMIT #:	
WATER CAPACITY:	_____ GPD
DWO SEWER PERMIT #:	
SEWER CAPACITY:	_____ GPD
SEWER SHED # AND PLANT:	
SEWER TO FLOW THROUGH NEI:	YES OR NO (CIRCLE ONE)

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 STORMWATER MANAGEMENT PLAN

Date: _____ Permit # _____

Signed: _____

08/14/15	REVISED
08/26/15	Rev 1 per TRC comments
12/28/15	Rev 2 per TRC comments & SRB approval conditions
1/5/16	Rev 3 per TRC comments & SRB approval conditions
	Rev 4 per TRC comments & SRB approval conditions

CLIENT INFORMATION:

Barclay Commons Retail, LLC
111 Metropolitan Ave, Suite 700
Charlotte, NC 28204

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

THE POINTE AT BARCLAY
BARCLAY WEST TRACT 'B'
CITY OF WILMINGTON
NORTH CAROLINA

CONCEPTUAL LAYOUT:	
FINAL DESIGN LAYOUT:	
RELEASED FOR CONSTRUCTION:	
DRAWING INFORMATION:	
DATE:	08/14/15
SCALE:	1" = 30'
DESIGNED:	
DRAWN:	
CHECKED:	

SEAL

C-2.3

PEJ JOB#: 14222.PE

5 FUTURE BUILDING PAD 00 SF

6 FUTURE BUILDING PAD +7,700 SF

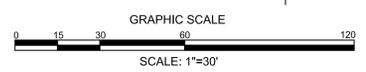
2 PROPOSED RESTAURANT +9,300 SF GFL +3,000 SF KITCHEN

3 PROPOSED RESTAURANT +9,300 SF GFL +3,000 SF KITCHEN

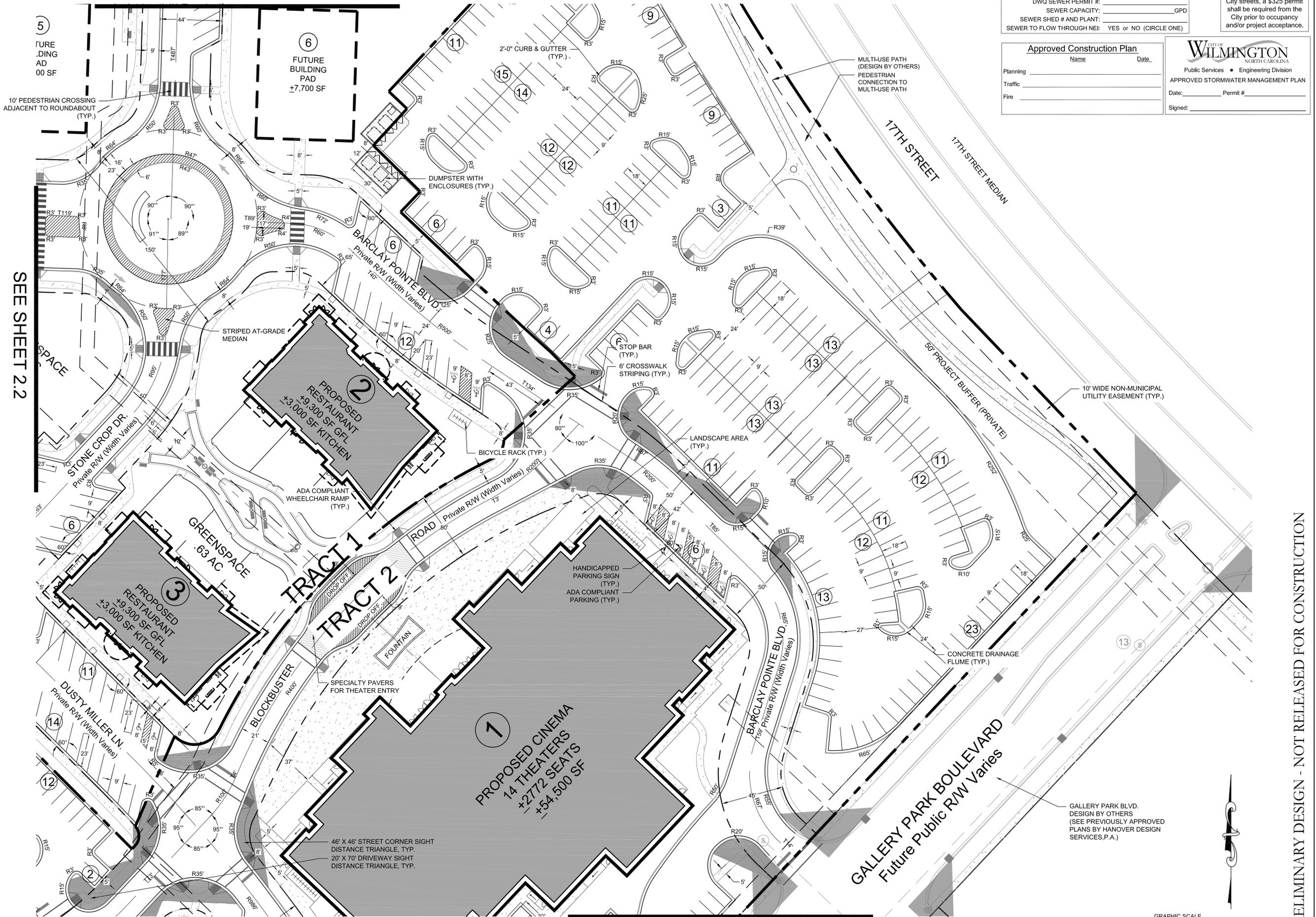
1 PROPOSED CINEMA 14 THEATERS +2772 SEATS +54,500 SF

SEE SHEET 2.2

SEE SHEET 2.4



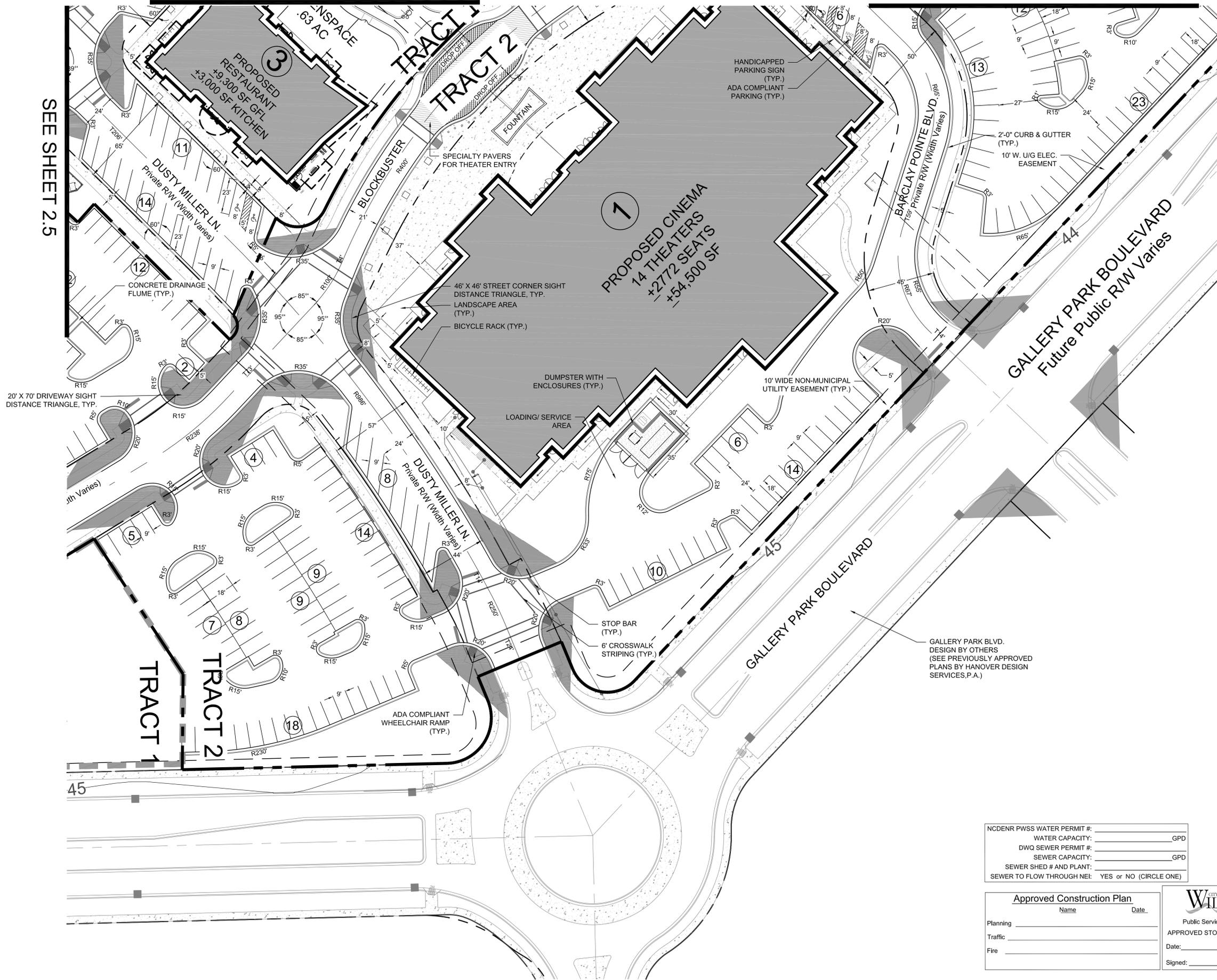
PRELIMINARY DESIGN - NOT RELEASED FOR CONSTRUCTION



SEE SHEET 2.2

SEE SHEET 2.3

SEE SHEET 2.5



NC DENR PWSS WATER PERMIT #:	_____
WATER CAPACITY:	_____ GPD
DWQ SEWER PERMIT #:	_____
SEWER CAPACITY:	_____ GPD
SEWER SHED # AND PLANT:	_____
SEWER TO FLOW THROUGH NEI:	YES or NO (CIRCLE ONE)

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 _____	_____

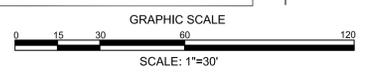
WILMINGTON
NORTH CAROLINA

Public Services • Engineering Division

APPROVED STORMWATER MANAGEMENT PLAN

Date: _____ Permit # _____

Signed: _____



REVISIONS:

08/14/15	Rev 1 per TRC comments
08/26/15	Rev 2 per TRC comments
12/28/15	Rev 3 per TRC comments & SRS approval conditions
1/5/16	Rev 4 per TRC comments & SRS approval conditions

CLIENT INFORMATION:

Barclay Commons Retail, LLC
111 Metropolitan Ave, Suite 700
Charlotte, NC 28204

PARAMOUNT ENGINEERING
5011 Oleander Drive, Suite 201
Wilmington, North Carolina 28403
(910) 791-6707 (O) (910) 791-6700 (F)
NC License #: C-2846

SITE PLAN

THE POINTE AT BARCLAY
BARCLAY WEST TRACT 'B'
CITY OF WILMINGTON
NORTH CAROLINA

PROJECT STATUS

CONCEPTUAL LAYOUT:	_____
FINAL DESIGN LAYOUT:	_____
RELEASED FOR CONSTRUCTION:	_____

DRAWING INFORMATION

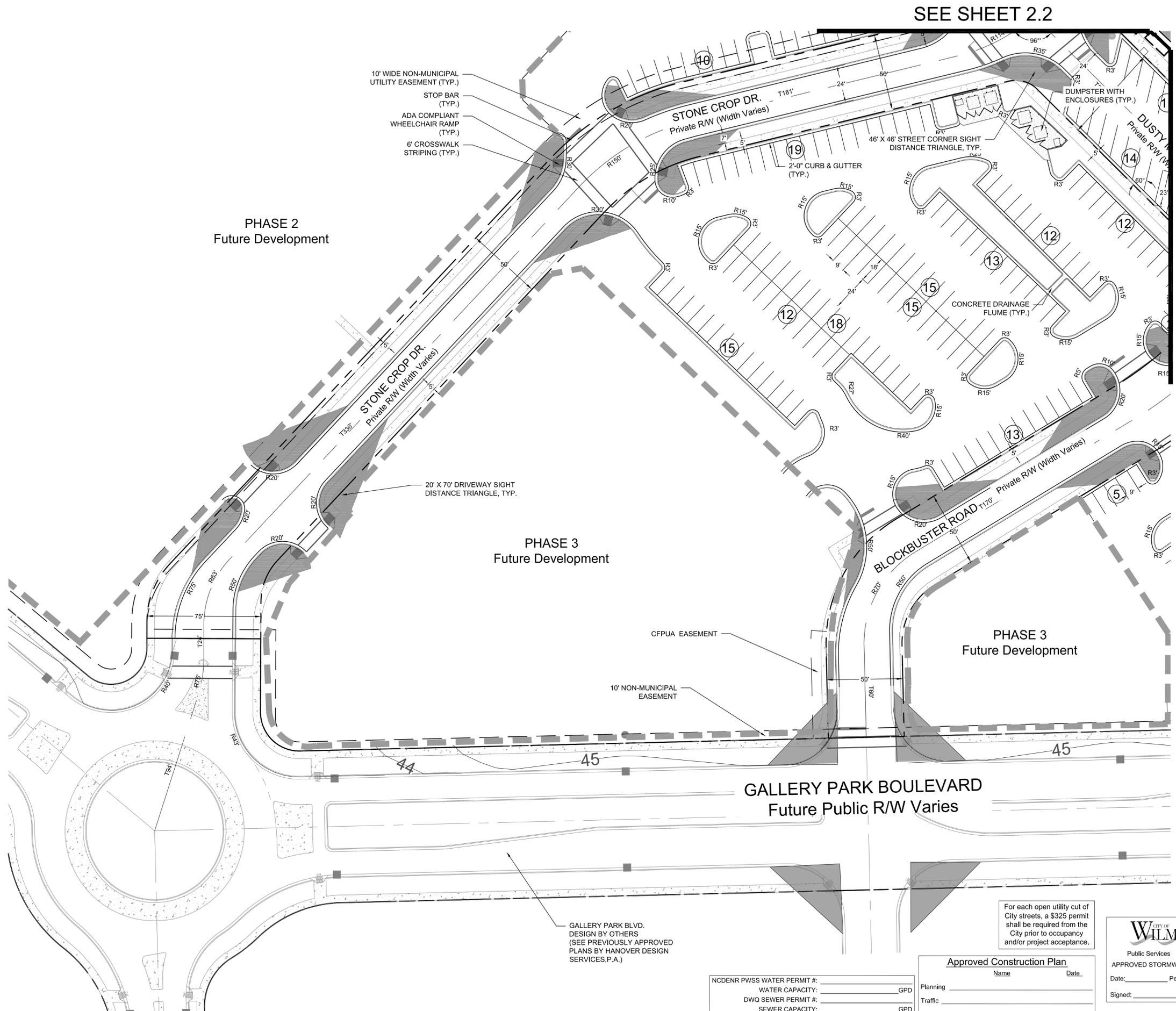
DATE:	08/14/15
SCALE:	1"=30'
DESIGNED:	_____
CHECKED:	_____

SEAL

C-2.4

PEI JOB#: 14222.PE

PRELIMINARY DESIGN - NOT RELEASED FOR CONSTRUCTION



SEE SHEET 2.2

SEE SHEET 2.4

PHASE 2
Future Development

PHASE 3
Future Development

PHASE 3
Future Development

GALLERY PARK BOULEVARD
Future Public R/W Varies

- 10' WIDE NON-MUNICIPAL UTILITY EASEMENT (TYP.)
- STOP BAR (TYP.)
- ADA COMPLIANT WHEELCHAIR RAMP (TYP.)
- 6' CROSSWALK STRIPING (TYP.)

20' X 70' DRIVEWAY SIGHT DISTANCE TRIANGLE, TYP.

CFPUA EASEMENT
10' NON-MUNICIPAL EASEMENT

GALLERY PARK BLVD.
DESIGN BY OTHERS
(SEE PREVIOUSLY APPROVED PLANS BY HANOVER DESIGN SERVICES, P.A.)

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

NCDENR PWSS WATER PERMIT #: _____ GPD

WATER CAPACITY: _____ GPD

DWQ SEWER PERMIT #: _____ GPD

SEWER CAPACITY: _____ GPD

SEWER SHED # AND PLANT: _____

SEWER TO FLOW THROUGH NEI: YES or NO (CIRCLE ONE)

Approved Construction Plan

Name _____ Date _____

Planning _____

Traffic _____

Fire _____

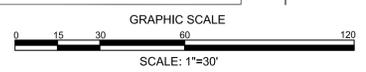
WILMINGTON
NORTH CAROLINA

Public Services • Engineering Division

APPROVED STORMWATER MANAGEMENT PLAN

Date: _____ Permit # _____

Signed: _____



REVISIONS:
08/14/15 Rev 1 per TRC comments
08/26/15 Rev 2 per TRC comments
12/28/15 Rev 3 per TRC comments & SRB approval conditions
1/5/16 Rev 4 per TRC comments & SRB approval conditions

CLIENT INFORMATION:
Barclay Commons Retail, LLC
111 Metropolitan Ave, Suite 700
Charlotte, NC 28204

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
THE POINTE AT BARCLAY
BARCLAY WEST TRACT 'B'
CITY OF WILMINGTON
NORTH CAROLINA

PROJECT STATUS
CONCEPTUAL LAYOUT: _____
RELEASED FOR CONSTRUCTION: _____
DATE: _____
SCALE: _____
DESIGNED: _____
CHECKED: _____

SEAL

C-2.5

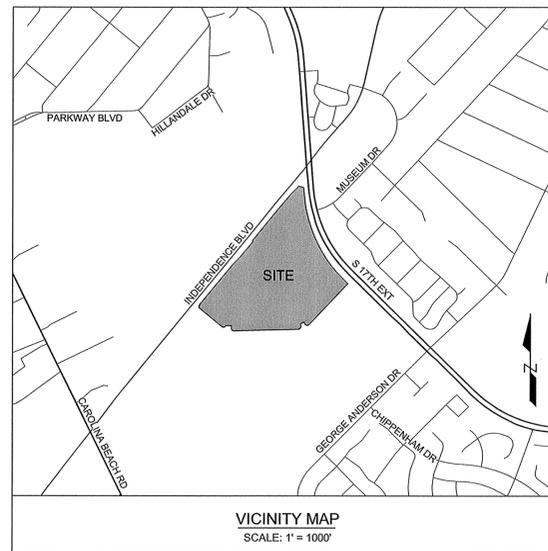
PEJ JOB#: 14222.PE

PRELIMINARY DESIGN - NOT RELEASED FOR CONSTRUCTION

THE POINTE AT BARCLAY 'BARCLAY WEST TRACT B' - PHASE I

WILMINGTON, NORTH CAROLINA ENGINEERING SUBMITTAL SET SEPTEMBER 2015

PROJECT ADDRESS:
3401 INDEPENDENCE BLVD
Wilmington, NC 28412



OWNER:

COLLETT - CAMERON PROPERTIES
2508 INDEPENDENCE BLVD, SUITE 202
WILMINGTON, NORTH CAROLINA 28412
ATTN: ED GOODWIN

CIVIL ENGINEERS, LAND PLANNERS & LANDSCAPE ARCHITECTS:

PARAMOUNTE ENGINEERING, INC.
5911 OLEANDER DRIVE, SUITE 201
WILMINGTON, NORTH CAROLINA 28403
ATTN: DAN WEEKS, RLA (910) 791-6707

SHEET INDEX	
SHEET NUMBER	SHEET TITLE
C-0.0	COVER SHEET
C-1.0	GENERAL NOTES
INDEX	SITE PLAN
C-2.0	OVERALL SITE PLAN
C-2.1 - C-2.5	SITE PLAN
C-3.0	EROSION CONTROL PLAN PH 1
C-3.1	EROSION CONTROL PLAN PH 2
C-3.2	OVERALL GRADING & DRAINAGE
C-3.3 - C-3.6	FINE GRADING PLAN
INDEX	PLAN & PROFILE
C-4.0 - 4.4	PLAN & PROFILE
C-5.0	OVERALL UTILITY PLAN
C-5.1 - C-5.4	UTILITY PLAN
C-5.5	SANITARY SEWER PROFILES
C-6.0	EROSION CONTROL DETAILS
C-7.0 - C-7.7	DETAILS
EXH1.0 - EXH1.3	TREE OVERLAY EXHIBIT

PREPARED BY:
PARAMOUNTE
ENGINEERING, INC.
5911 Oleander Drive, Suite 201
Wilmington, North Carolina 28403
(910) 791-6707 (F) (910) 791-6700 (P)
NC License #: C-2846
PROJECT # 14222.PE



Know what's below.
Call before you dig.

NC DENR PWSS WATER PERMIT #: _____
WATER CAPACITY: _____ GPD
DWQ SEWER PERMIT #: _____
SEWER CAPACITY: _____ GPD
SEWER SHED # AND PLANT: _____
SEWER TO FLOW THROUGH NEI: YES or NO (CIRCLE ONE)

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

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

Approved Construction Plan

Name	Date
Planning _____	_____
Traffic _____	_____
Fire _____	_____

NOTICE REQUIRED

ALL EXISTING UNDERGROUND UTILITIES SHALL BE PHYSICALLY LOCATED PRIOR TO THE BEGINNING OF ANY CONSTRUCTION IN THE VICINITY OF SAID UTILITIES.

CONTRACTORS SHALL NOTIFY OPERATORS WHO MAINTAIN UNDERGROUND UTILITY LINES IN THE AREA OF PROPOSED EXCAVATION AT LEAST TWO WORKING DAYS, BUT NOT MORE THAN TEN WORKING DAYS PRIOR TO COMMENCEMENT OF EXCAVATION OR DEMOLITION.

CONTACT "CAROLINA ONE CALL" AT
1-800-632-4949

CONTACT THESE UTILITIES

CITY OF WILMINGTON, DEVELOPMENT SERVICES
ATTN: JIM DEPENDROCK
PH: 910-341-5257
PIEDMONT NATURAL GAS
ATTN: CARL PAQUET
PH: 910-350-2242

EMERGENCY DIAL 911
POLICE - FIRE - RESCUE

CAPE FEAR PUBLIC UTILITY AUTHORITY (WATER & SEWER)
ATTN: FRANK STYERS
PH: 910-332-8870

DUKE ENERGY PROGRESS
ATTN: KEVIN LEATHERWOOD
PH: 910-602-4394

BELL SOUTH
ATTN: STEVE DAYVAULT
PH: 910-392-8712

TIME WARNER CABLE
PH: 910-765-4638

REVISIONS:

NO.	DESCRIPTION	DATE
1)	PER CITY OF WILMINGTON ENGINEERING COMMENTS	11.23.15
2)	PER CITY OF WILMINGTON TRC COMMENTS	01.05.16

CLIENT INFORMATION:
Collett - Cameron Properties
2508 Independence Blvd. Suite 202
Wilmington, NC

PARAMOUNTE
ENGINEERING, INC.
5911 Oleander Drive, Suite 201
Wilmington, North Carolina 28403
(910) 791-6707 (F) (910) 791-6700 (P)
NC License #: C-2846

COVER SHEET
THE POINTE AT BARCLAY
'BARCLAY WEST TRACT B'
CITY OF WILMINGTON
NORTH CAROLINA

PROJECT STATUS:

CONCEPTUAL LAYOUT:	_____
PRELIMINARY LAYOUT:	_____
RELEASED FOR CONSTRUCTION:	_____

DRAWING INFORMATION:

DATE:	09.14.15
SCALE:	AS SHOWN
DESIGNED:	_____
CHECKED:	_____



C-0.0

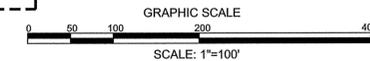
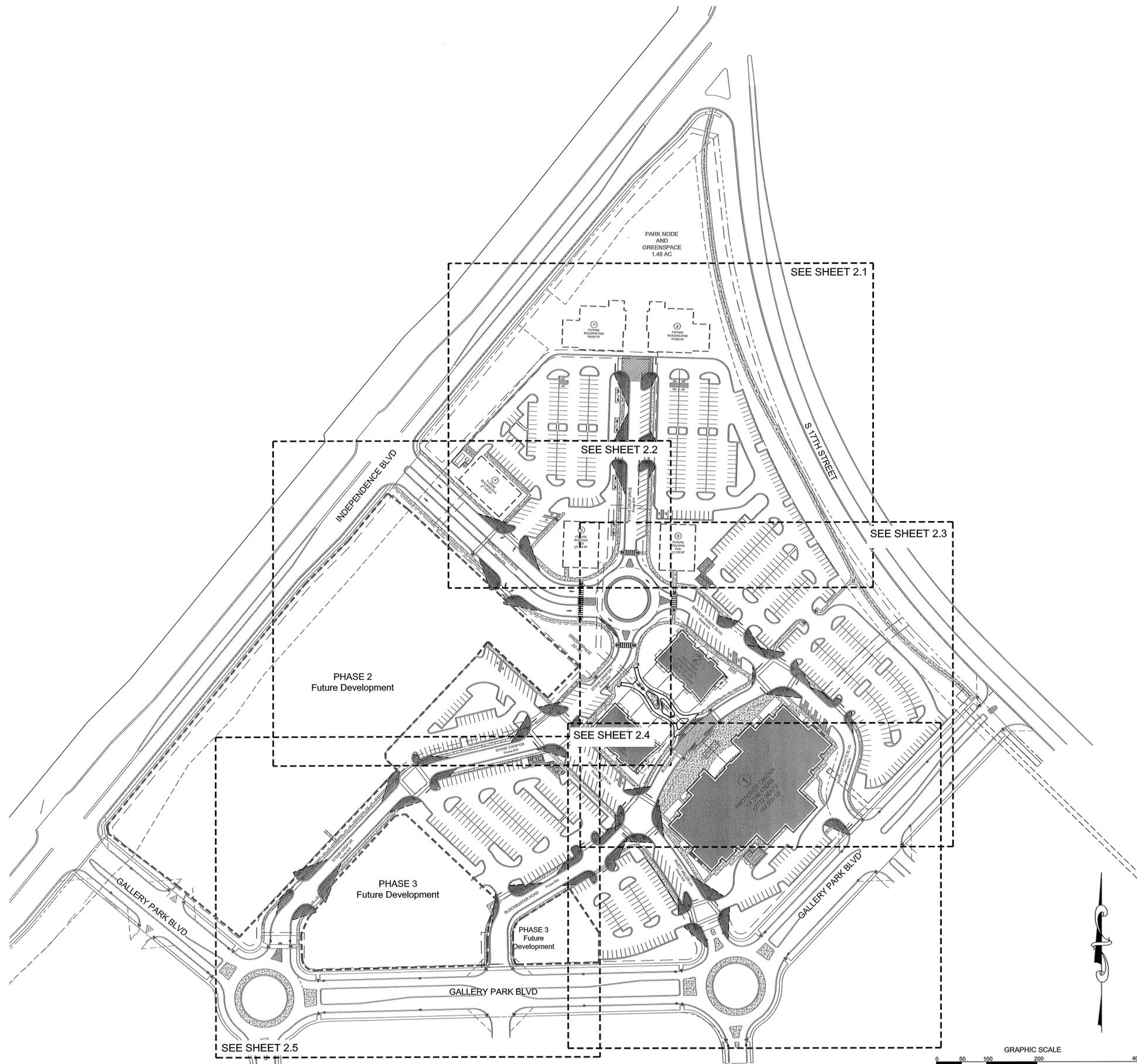
FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

NCDENR PWSS WATER PERMIT #: _____
 WATER CAPACITY: _____ GPD
 DWQ SEWER PERMIT #: _____
 SEWER CAPACITY: _____ GPD
 SEWER SHED # AND PLANT: _____
 SEWER TO FLOW THROUGH NEI: YES or NO (CIRCLE ONE)

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 _____


 Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN
 Date: _____ Permit # _____
 Signed: _____



FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

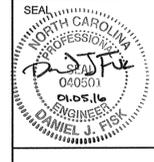
REVISIONS:	DATE
1) PER CITY OF WILMINGTON ENGINEERING COMMENTS	11.23.15
2) PER CITY OF WILMINGTON TRC COMMENTS	01.06.16

CLIENT INFORMATION:
Collett - Cameron Properties
 2508 Independence Blvd, Suite 202
 Wilmington, NC

PARAMOUNT ENGINEERING, INC.
 5911 Oleander Drive, Suite 201
 Wilmington, North Carolina 28403
 (910) 791-6707 (O) (910) 791-6760 (F)
 NC License #: C-2846

SITE PLAN
 INDEX SHEET
 THE POINTE AT BARCLAY
 BARCLAY WEST TRACT B
 CITY OF WILMINGTON
 NORTH CAROLINA

PROJECT STATUS:
 FINAL DESIGN: _____
 PRELIMINARY LAYOUT: _____
 RELEASED FOR CONST: _____
 DRAWING INFORMATION:
 DATE: 08.14.15
 SCALE: 1" = 100'
 DRAWN BY: JON AHE
 CHECKED: _____



INDEX
 PEI JOB#: 14222.PE

SITE INFORMATION

PARCEL ID: R06500-003-004-000
 CURRENT ZONING: RB-CD & O&I -1-CD
 PROPOSED USE: MIXED USE
 TOTAL SITE AREA: 34.98 ACRES
 OWNER INFORMATION: COLLETT - CAMERON PROPERTIES
 1201 GLEN MEADE RD
 WILMINGTON NC, 28401
 FLOOD INFORMATION: THIS PARCEL IS LOCATED IN FLOOD ZONE X, WHICH IS NOT A SPECIAL FLOOD HAZARD AREA AS DETERMINED BY FEMA FLOOD PANEL 3720312500J, DATED APRIL 3, 2006
 CAMA LAND USE CLASSIFICATION: URBAN
 DRAINAGE EASEMENTS: MB 51 PG 9-13
 TOTAL IMPERVIOUS AREA:
 EXISTING (GALLERY PARK BLVD PLANS): 2,177 SF
 BUILDINGS: 74,395 SF
 PAVEMENT: 511,993 SF
 SIDEWALKS: 68,753 SF
 FUTURE: 427,173 SF
TOTAL: 1,084,491 SF

ZONING ACREAGE: RB-CD: 34.12 AC
 O&I 1: 0.77 AC

PHASE 1 TABULATIONS

TOTAL PH 1 AREA: 27.75 AC
 - TOTAL BUILDING SF: + 73,100 SF
 - THEATER SF: ± 54,500 SF
 - BUILDING 1: ± 9,300 SF
 - BUILDING 2: ± 9,300 SF
 - BUILDING COVERAGE: 27.75 AC/ 73,100 SF = 17% COVERAGE

DIMENSIONAL REQUIREMENTS

RB - REGIONAL BUSINESS
 - MINIMUM LOT AREA: 1 ACRE
 - MINIMUM LOT WIDTH: 100'
 - MAXIMUM LOT COVERAGE: 40%
 - MINIMUM FRONT SETBACK: 0' (RB-CD)
 - MINIMUM REAR SETBACK:
 - MINIMUM INTERIOR SIDE SETBACK: 0'
 - MINIMUM CORNER LOT SIDE SETBACK: 25'
 - MAXIMUM BUILDING HEIGHT: 35'

O&I-1 - OFFICE & INSTITUTIONAL 1
 - MINIMUM LOT AREA: 15,000 SF
 - MAXIMUM LOT COVERAGE: 40%
 - MINIMUM LOT WIDTH: 80'
 - MINIMUM FRONT SETBACK: 20'
 - MINIMUM REAR SETBACK: 20'
 - MINIMUM INTERIOR SIDE SETBACK: 10'
 - MINIMUM CORNER LOT SIDE SETBACK: 20'
 - MAXIMUM BUILDING HEIGHT: 45'

PHASE 1 PARKING DATA

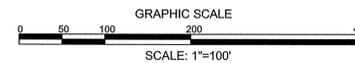
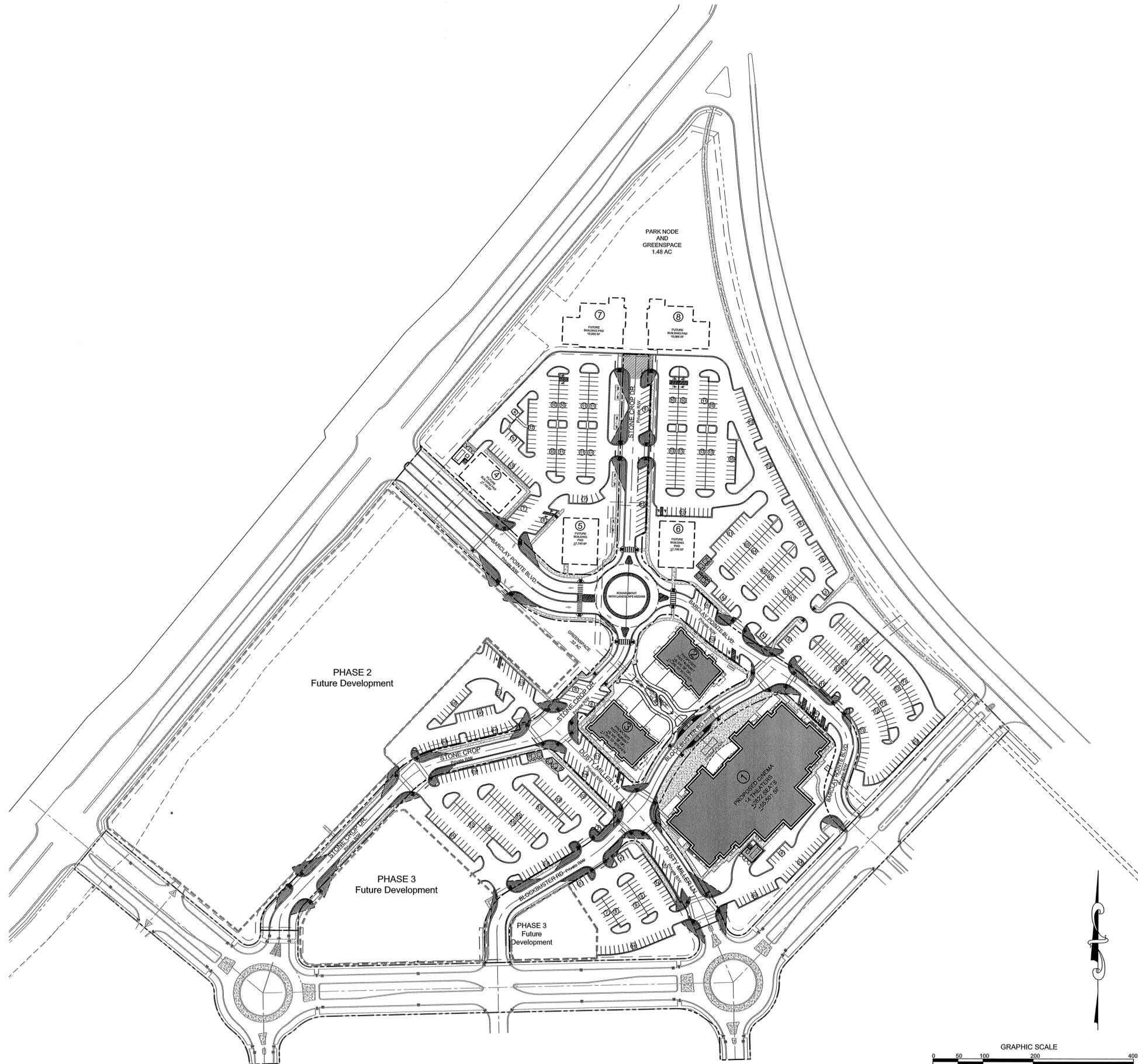
TOTAL REQUIRED: 915 SPACES
 THEATER PARKING REQUIRED: 1 SPACE/ 4 SEATS; 2,822 SEATS/4 = 705 SPACES
 RESTAURANT PARKING REQUIRED: 1 SPACE/ 80 SF - KITCHEN AREA; 18,600 SF - 6,000 SF = 12,600 SF/ 60 SF = 210 SPACES
TOTAL PROVIDED: 944 SPACES
 TOTAL HANDICAP SPACES REQUIRED: 19 SPACES INCLUDING 3 VAN SPACES
 TOTAL PROVIDED: 22 SPACES INCLUDING 6 VAN SPACES
 TOTAL BIKE PARKING REQUIRED: 20 SPACES PER CITY ORDINANCE SECTION 18-528F
 TOTAL BIKE PARKING PROVIDED: 20 SPACES PROVIDED

NCNDEN PWSS WATER PERMIT #: _____
 WATER CAPACITY: _____ GPD
 DWQ SEWER PERMIT #: _____
 SEWER CAPACITY: _____ GPD
 SEWER SHED # AND PLANT: _____
 SEWER TO FLOW THROUGH NEI: YES or NO (CIRCLE ONE)

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 _____

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



REVISIONS:

1) PER CITY OF WILMINGTON ENGINEERING COMMENTS	11.28.15
2) PER CITY OF WILMINGTON TRG COMMENTS	01.08.16

CLIENT INFORMATION:
Collett - Cameron Properties
 2508 Independence Blvd, Suite 202
 Wilmington, NC

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

OVERALL SITE PLAN
 THE POINTE AT BARCLAY
 'BARCLAY WEST TRACT B'
 CITY OF WILMINGTON
 NORTH CAROLINA

PROJECT STATUS
 CONCEPTUAL LAYOUT: _____
 PRELIMINARY LAYOUT: _____
 RELEASED FOR CONST: _____
 DRAWING INFORMATION
 04.14.16
 1' DWG
 SCALE: _____
 DESIGNED: _____
 CHECKED: _____



C-2.0
 PEI JOB#: 14222.PE

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

NCDENR PWSS WATER PERMIT #: _____
 WATER CAPACITY: _____ GPD
 DWQ SEWER PERMIT #: _____
 SEWER CAPACITY: _____ GPD
 SEWER SHED # AND PLANT: _____
 SEWER TO FLOW THROUGH NEI: YES or NO (CIRCLE ONE)

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 _____

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

REVISIONS:	11/23/15
1) PER CITY OF WILMINGTON ENGINEERING COMMENTS	01/05/16
2) PER CITY OF WILMINGTON TRC COMMENTS	

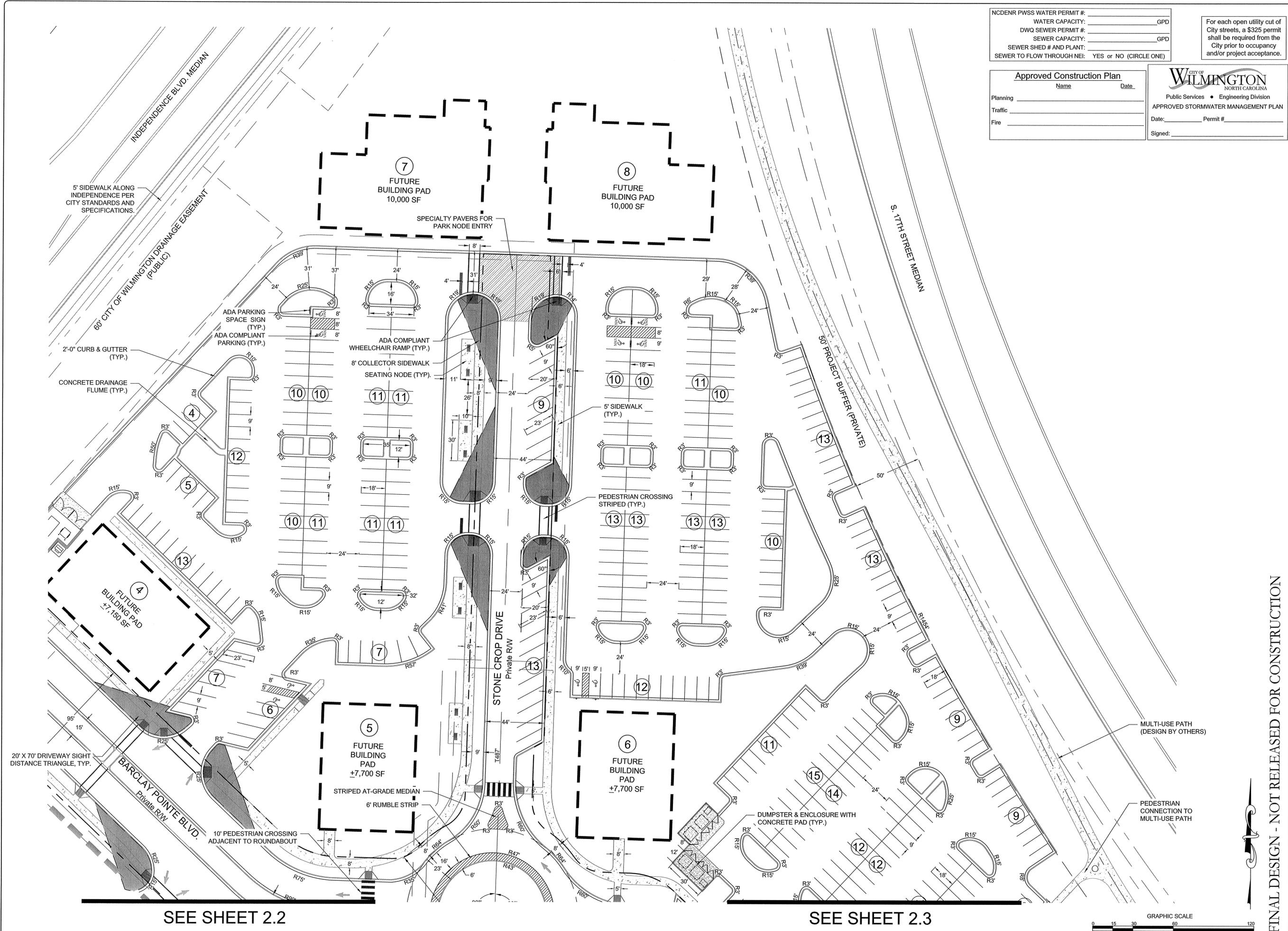
CLIENT INFORMATION:
Collett - Cameron Properties
 2508 Independence Blvd., Suite 202
 Wilmington, NC

PARAMOUNT ENGINEERING, INC.
 5911 Oleander Drive, Suite 201
 Wilmington, North Carolina 28403
 (910) 791-6707 (O) (910) 791-6760 (F)
 NC License #: C-2846

SITE PLAN
 THE POINTE AT BARCLAY
 'BARCLAY WEST TRACT B'
 CITY OF WILMINGTON
 NORTH CAROLINA

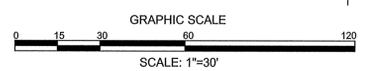
PROJECT STATUS:
 CONCEPTUAL LAYOUT:
 PRELIMINARY LAYOUT:
 RELEASED FOR CONST:
 DRAWING INFORMATION:
 DATE: 09/14/15
 DESIGNED: [Signature]
 DRAWN: [Signature]
 CHECKED: [Signature]

C-2.1
 PEI JOB#: 14222.PE

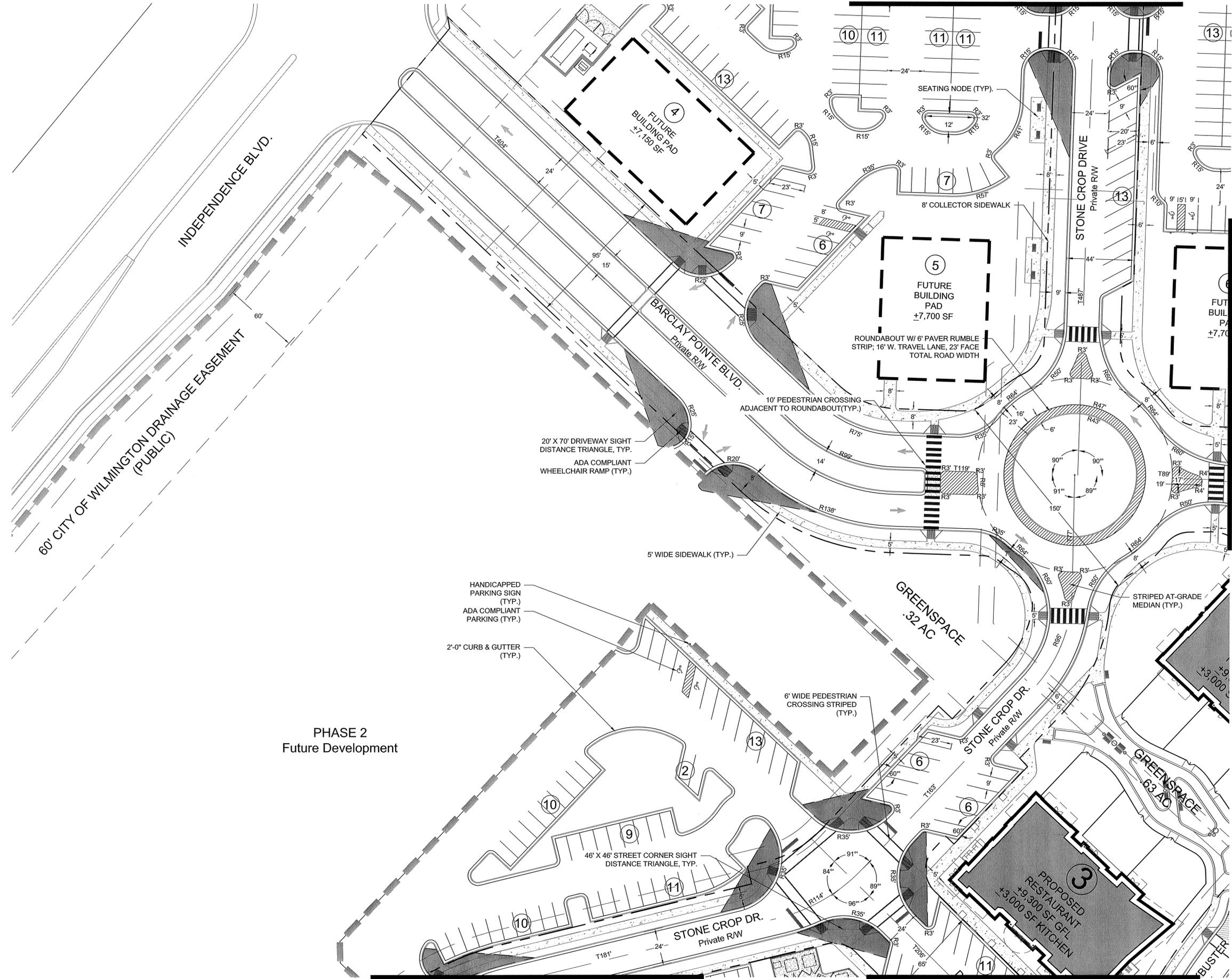


SEE SHEET 2.2

SEE SHEET 2.3



FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION



SEE SHEET 2.1

NC DENR PWSS WATER PERMIT #:	
WATER CAPACITY:	_____ GPD
DWQ SEWER PERMIT #:	
SEWER CAPACITY:	_____ GPD
SEWER SHED # AND PLANT:	
SEWER TO FLOW THROUGH NEI:	YES or NO (CIRCLE ONE)

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

Approved Construction Plan
 Name _____ Date _____
 Planning _____
 Traffic _____
 Fire _____

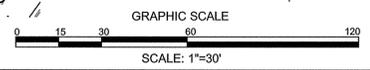
For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

SEE SHEET 2.3

PHASE 2
 Future Development

SEE SHEET 2.5

SEE SHEET 2.4



FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

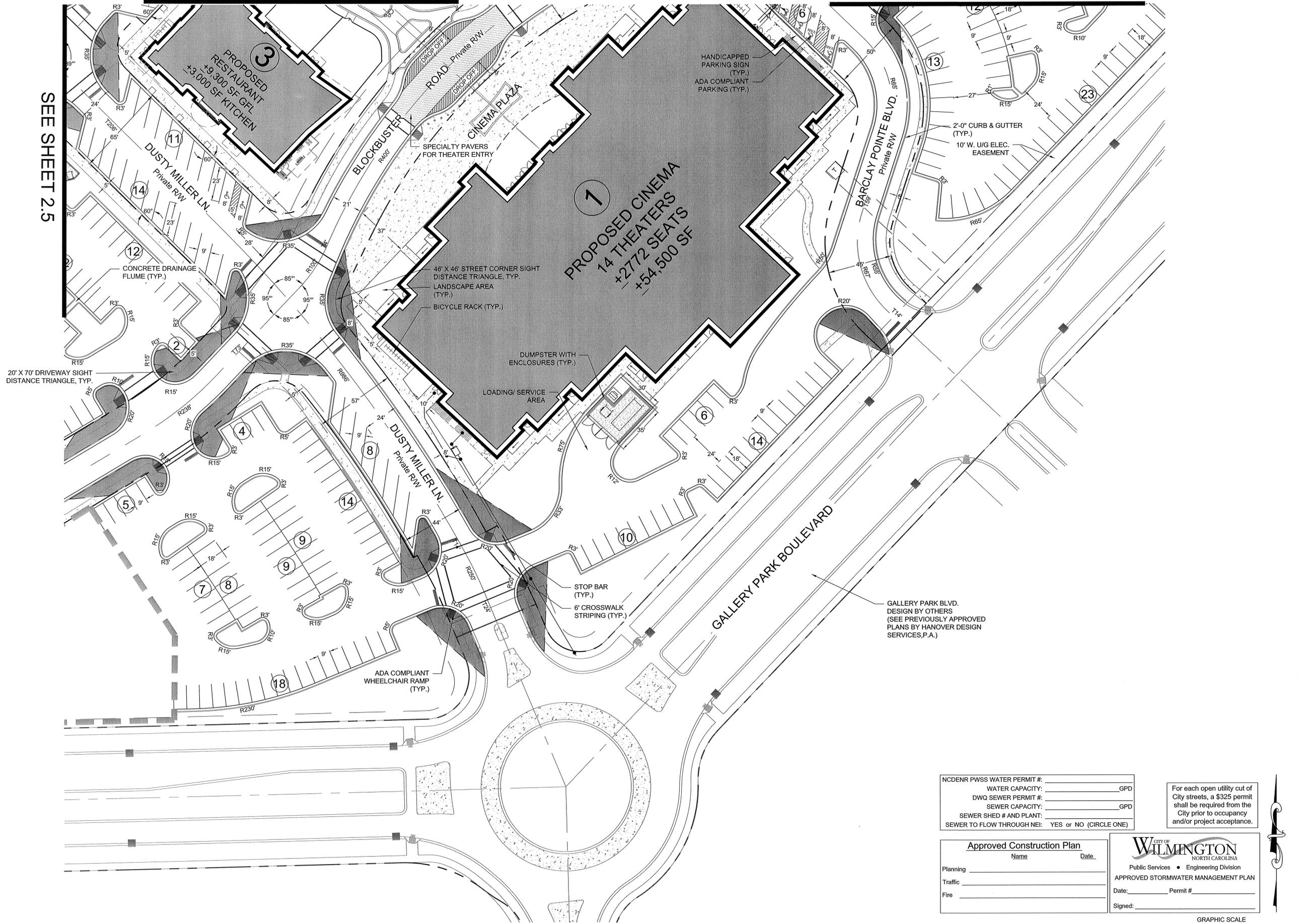
REVISIONS: 1) PER CITY OF WILMINGTON ENGINEERING COMMENTS 2) PER CITY OF WILMINGTON TRC COMMENTS	11.23.15	
	01.05.16	
CLIENT INFORMATION: Collett - Cameron Properties 2508 Independence Blvd. Suite 202 Wilmington, NC		
PARAMOUNT ENGINEERING 5911 Oleander Drive, Suite 201 Wilmington, North Carolina 28403 (910) 791-6707 (O) (910) 791-6760 (F) NC License #: C-2846		
PROJECT STATUS: CONCEPTUAL LAYOUT: _____ FINAL DESIGN: _____ RELEASED FOR CONST: _____		
DRAWING INFORMATION: DATE: 01.05.16 SCALE: 1"=30' DESIGNER: _____ CHECKED: _____		
SEAL: 		
C-2.2 PEI JOB#: 14222.PE		

SITE PLAN
 THE POINTE AT BARCLAY
 'BARCLAY WEST TRACT B'
 CITY OF WILMINGTON
 NORTH CAROLINA

SEE SHEET 2.2

SEE SHEET 2.3

SEE SHEET 2.5



NCDENR PWSS WATER PERMIT #:	
WATER CAPACITY:	_____ GPD
DWQ SEWER PERMIT #:	
SEWER CAPACITY:	_____ GPD
SEWER SHED # AND PLANT:	
SEWER TO FLOW THROUGH NEI:	YES OR NO (CIRCLE ONE)

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 _____

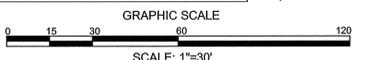
Fire _____

WILMINGTON
NORTH CAROLINA
Public Services • Engineering Division

APPROVED STORMWATER MANAGEMENT PLAN

Date: _____ Permit # _____

Signed: _____



REVISIONS:

11/23/15	1) PER CITY OF WILMINGTON ENGINEERING COMMENTS
01/05/16	2) PER CITY OF WILMINGTON TRC COMMENTS

CLIENT INFORMATION:
Collett - Cameron Properties
2508 Independence Blvd. Suite 202
Wilmington, NC

PARAMOUNT ENGINEERING
5911 Oleander Drive, Suite 201
Wilmington, North Carolina 28403
(910) 791-6707 (C) (910) 791-6760 (F)
NC License #: C-2846

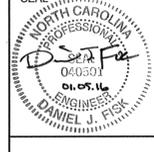
SITE PLAN
THE POINTE AT BARCLAY
BARCLAY WEST TRACT 'B'
CITY OF WILMINGTON
NORTH CAROLINA

PROJECT STATUS:

CONCEPTUAL LAYOUT:	09/14/15
PRELIMINARY LAYOUT:	09/14/15
RELEASED FOR CONST.:	09/14/15

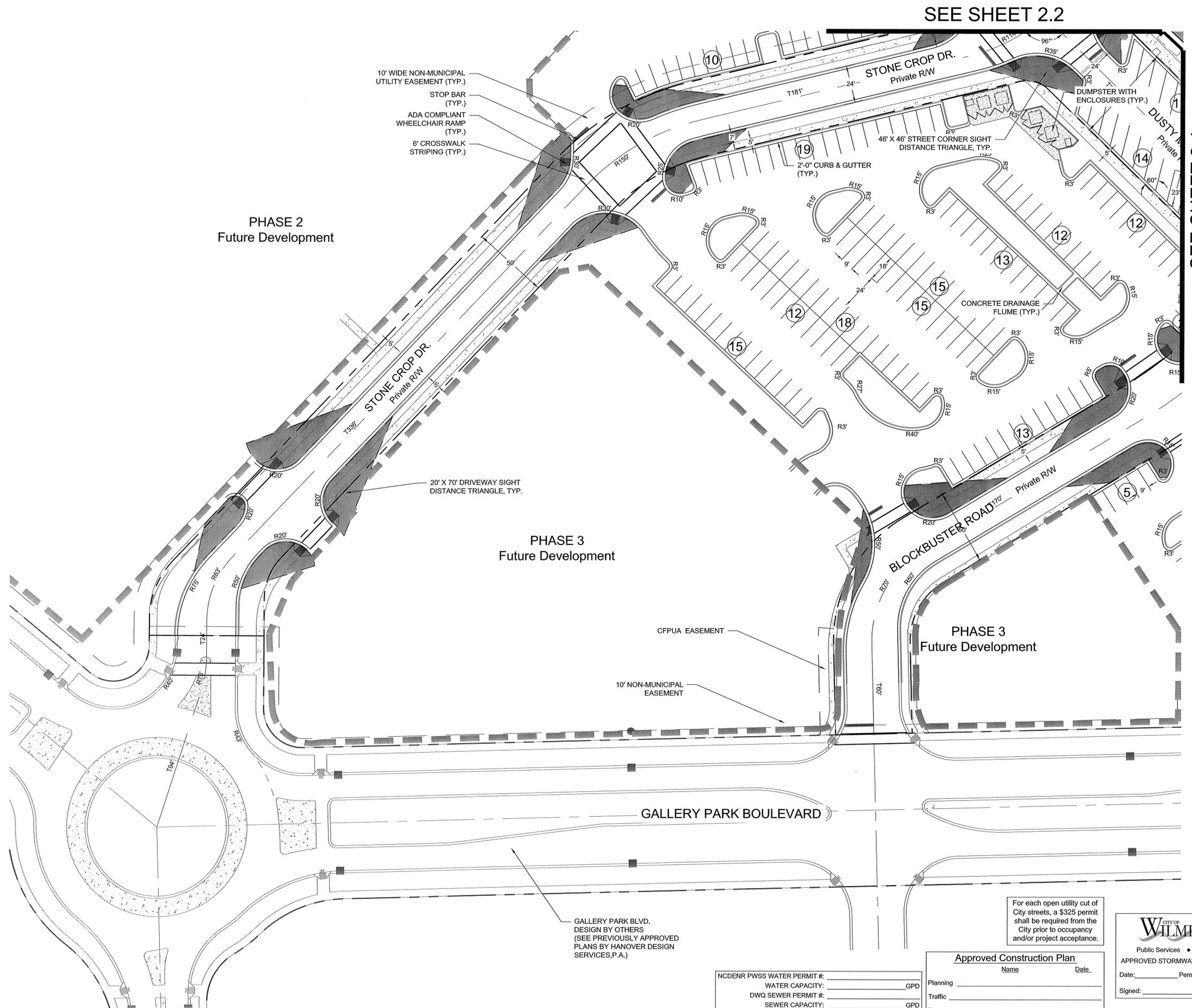
DRAWING INFORMATION:

DATE:	09/14/15
DESIGNED:	DAVID
DRAWN:	DAVID
CHECKED:	DAVID



C-2.4
PEI JOB#: 14222.PE

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION



SEE SHEET 2.2

SEE SHEET 2.4

PHASE 2
Future Development

PHASE 3
Future Development

PHASE 3
Future Development

- 10' WIDE NON-MUNICIPAL UTILITY EASEMENT (TYP.)
- STOP BAR (TYP.)
- ADA COMPLIANT WHEELCHAIR RAMP (TYP.)
- 6' CROSSWALK STRIPING (TYP.)

20' X 70' DRIVEWAY SIGHT DISTANCE TRIANGLE, TYP.

CFPUA EASEMENT

10' NON-MUNICIPAL EASEMENT

GALLERY PARK BLVD. DESIGN BY OTHERS (SEE PREVIOUSLY APPROVED PLANS BY HANOVER DESIGN SERVICES, P.A.)

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

NCDENR PWSS WATER PERMIT #:	
WATER CAPACITY:	_____ GPD
DWQ SEWER PERMIT #:	
SEWER CAPACITY:	_____ GPD
SEWER SHED # AND PLANT:	
SEWER TO FLOW THROUGH NEI:	YES or NO (CIRCLE ONE)

Approved Construction Plan

Name _____ Date _____

Planning _____

Traffic _____

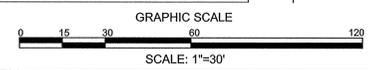
Fire _____

WILMINGTON
NORTH CAROLINA
Public Services • Engineering Division

APPROVED STORMWATER MANAGEMENT PLAN

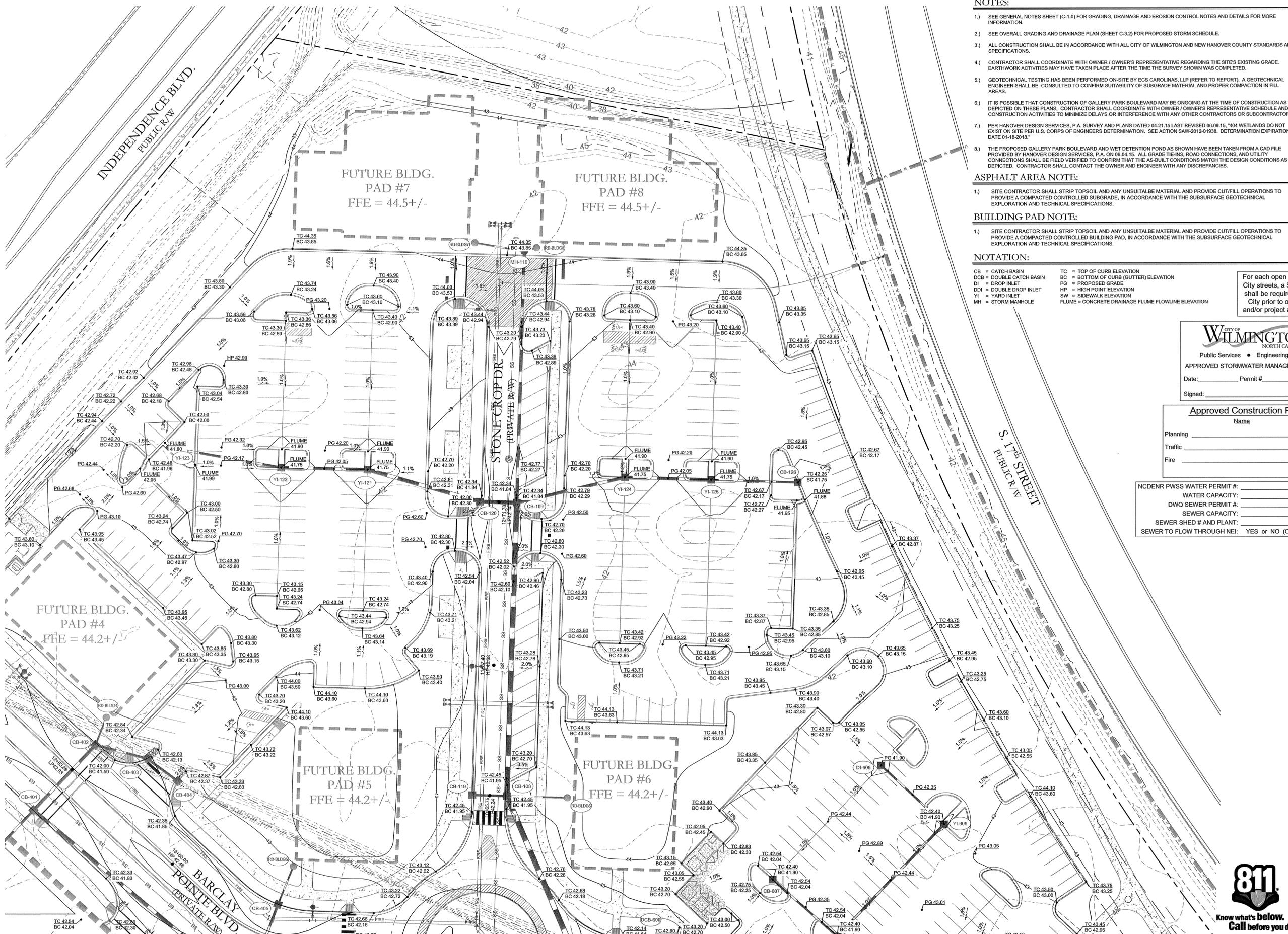
Date: _____ Permit # _____

Signed: _____



FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

<p>REVISIONS:</p> <table border="1"> <tr> <td>1)</td> <td>PER CITY OF WILMINGTON ENGINEERING COMMENTS</td> <td>11.23.15</td> </tr> <tr> <td>2)</td> <td>PER CITY OF WILMINGTON TRC COMMENTS</td> <td>01.05.16</td> </tr> </table>	1)	PER CITY OF WILMINGTON ENGINEERING COMMENTS	11.23.15	2)	PER CITY OF WILMINGTON TRC COMMENTS	01.05.16	<p>CLIENT INFORMATION:</p> <p>Collett - Camerton Properties 2508 Independence Blvd., Suite 202 Wilmington, NC</p>
1)	PER CITY OF WILMINGTON ENGINEERING COMMENTS	11.23.15					
2)	PER CITY OF WILMINGTON TRC COMMENTS	01.05.16					
<p>PARAMOUNT ENGINEERING, INC. 5911 Oleander Drive, Suite 201 Wilmington, North Carolina 28403 (910) 791-6707 (O) (910) 791-6760 (F) NC License #: C-2846</p>	<p>SITE PLAN</p> <p>THE POINTE AT BARCLAY 'BARCLAY WEST TRACT B' CITY OF WILMINGTON NORTH CAROLINA</p>						
<p>PROJECT STATUS: CONCEPTUAL LAYOUT: PRELIMINARY LAYOUT: RELEASED FOR CONST:</p>	<p>DRAWING INFORMATION DATE: 08.14.15 DRAWN BY: JDM DESIGNED BY: JDM CHECKED BY: JDM</p>						
<p>SEALED NORTH CAROLINA PROFESSIONAL ENGINEER 046501 01.05.16 DANIEL J. FISHER</p>	<p>C-2.5</p> <p>PEI JOB#: 14222.PE</p>						



- NOTES:**
- SEE GENERAL NOTES SHEET (C-1.0) FOR GRADING, DRAINAGE AND EROSION CONTROL NOTES AND DETAILS FOR MORE INFORMATION.
 - SEE OVERALL GRADING AND DRAINAGE PLAN (SHEET C-3.2) FOR PROPOSED STORM SCHEDULE.
 - ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL CITY OF WILMINGTON AND NEW HANOVER COUNTY STANDARDS AND SPECIFICATIONS.
 - CONTRACTOR SHALL COORDINATE WITH OWNER / OWNER'S REPRESENTATIVE REGARDING THE SITE'S EXISTING GRADE. EARTHWORK ACTIVITIES MAY HAVE TAKEN PLACE AFTER THE TIME THE SURVEY SHOWN WAS COMPLETED.
 - GEOTECHNICAL TESTING HAS BEEN PERFORMED ON-SITE BY ECS CAROLINAS, LLP (REFER TO REPORT). A GEOTECHNICAL ENGINEER SHALL BE CONSULTED TO CONFIRM SUITABILITY OF SUBGRADE MATERIAL AND PROPER COMPACTION IN FILL AREAS.
 - IT IS POSSIBLE THAT CONSTRUCTION OF GALLERY PARK BOULEVARD MAY BE ONGOING AT THE TIME OF CONSTRUCTION AS DEPICTED ON THESE PLANS. CONTRACTOR SHALL COORDINATE WITH OWNER / OWNER'S REPRESENTATIVE SCHEDULE AND CONSTRUCTION ACTIVITIES TO MINIMIZE DELAYS OR INTERFERENCE WITH ANY OTHER CONTRACTORS OR SUBCONTRACTORS.
 - PER HANOVER DESIGN SERVICES, P.A. SURVEY AND PLANS DATED 04.21.15 LAST REVISED 06.09.15, *404 WETLANDS DO NOT EXIST ON SITE PER U.S. CORPS OF ENGINEERS DETERMINATION. SEE ACTION SAW-2012-01938. DETERMINATION EXPIRATION DATE 01-18-2018.
 - THE PROPOSED GALLERY PARK BOULEVARD AND WET DETENTION POND AS SHOWN HAVE BEEN TAKEN FROM A CAD FILE PROVIDED BY HANOVER DESIGN SERVICES, P.A. ON 06.04.15. ALL GRADE TIE-INS, ROAD CONNECTIONS, AND UTILITY CONNECTIONS SHALL BE FIELD VERIFIED TO CONFIRM THAT THE AS-BUILT CONDITIONS MATCH THE DESIGN CONDITIONS AS DEPICTED. CONTRACTOR SHALL CONTACT THE OWNER AND ENGINEER WITH ANY DISCREPANCIES.

ASPHALT AREA NOTE:

- SITE CONTRACTOR SHALL STRIP TOPSOIL AND ANY UNSUITABLE MATERIAL AND PROVIDE CUT/FILL OPERATIONS TO PROVIDE A COMPACTED CONTROLLED SUBGRADE, IN ACCORDANCE WITH THE SUBSURFACE GEOTECHNICAL EXPLORATION AND TECHNICAL SPECIFICATIONS.

BUILDING PAD NOTE:

- SITE CONTRACTOR SHALL STRIP TOPSOIL AND ANY UNSUITABLE MATERIAL AND PROVIDE CUT/FILL OPERATIONS TO PROVIDE A COMPACTED CONTROLLED BUILDING PAD, IN ACCORDANCE WITH THE SUBSURFACE GEOTECHNICAL EXPLORATION AND TECHNICAL SPECIFICATIONS.

- NOTATION:**
- CB = CATCH BASIN
 - DCB = DOUBLE CATCH BASIN
 - DI = DROP INLET
 - DDI = DOUBLE DROP INLET
 - YI = YARD INLET
 - MH = STORM MANHOLE
 - TC = TOP OF CURB ELEVATION
 - BC = BOTTOM OF CURB (GUTTER) ELEVATION
 - PG = PROPOSED GRADE
 - HP = HIGH POINT ELEVATION
 - SW = SIDEWALK ELEVATION
 - FLUME = CONCRETE DRAINAGE FLUME FLOWLINE ELEVATION

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

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

Approved Construction Plan

Name _____ Date _____

Planning _____

Traffic _____

Fire _____

NODENR PWSS WATER PERMIT #: _____

WATER CAPACITY: _____ GPD

DWQ SEWER PERMIT #: _____

SEWER CAPACITY: _____ GPD

SEWER SHED # AND PLANT: _____

SEWER TO FLOW THROUGH NEI: YES or NO (CIRCLE ONE)

SEE SHEET C-3.4

SEE SHEET C-3.5



FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:

11.23.15	1) PER CITY OF WILMINGTON ENGINEERING COMMENTS
01.05.16	2) PER CITY OF WILMINGTON TRG COMMENTS

CLIENT INFORMATION:

Collett - Cameron Properties
2508 Independence Blvd. Suite 202
Wilmington, NC

PARAMOUNT ENGINEERING
5911 Oleander Drive, Suite 201
Wilmington, North Carolina 28403
(910) 791-6707 (O) / (910) 791-6760 (F)
NC License #: C-2846

FINE GRADING PLAN

THE POINTE AT BARCLAY
BARCLAY WEST TRACT B
CITY OF WILMINGTON
NORTH CAROLINA

PROJECT STATUS:
CONCEPTUAL LAYOUT: _____
PRELIMINARY LAYOUT: _____
RELEASED FOR CONSTRUCTION: _____

DRAWING INFORMATION:
DATE: 06/14/15
1" DWF
DESIGNED: _____
DRAWN: _____
CHECKED: _____

SEALED NORTH CAROLINA PROFESSIONAL ENGINEER:
DANIEL J. PISK
040501
01.05.16

C-3.3

PEI JOB#: 14222.PE

SEE SHEET C-3.3



SEE SHEET C-3.6

REFERENCE:
SEE SHEET C-3.3 FOR ALL REFERENCES, NOTES AND NOTATION.

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

NCDENR PWSS WATER PERMIT #:	
WATER CAPACITY:	_____ GPD
DWQ SEWER PERMIT #:	
SEWER CAPACITY:	_____ GPD
SEWER FLOW # AND PLANT:	
SEWER TO THROUGH NEI:	YES or NO (CIRCLE ONE)

Approved Construction Plan

Name _____ Date _____

Planning _____

Traffic _____

Fire _____

CITY OF WILMINGTON
NORTH CAROLINA

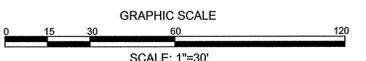
Public Services • Engineering Division

APPROVED STORMWATER MANAGEMENT PLAN

Date: _____ Permit # _____

Signed: _____

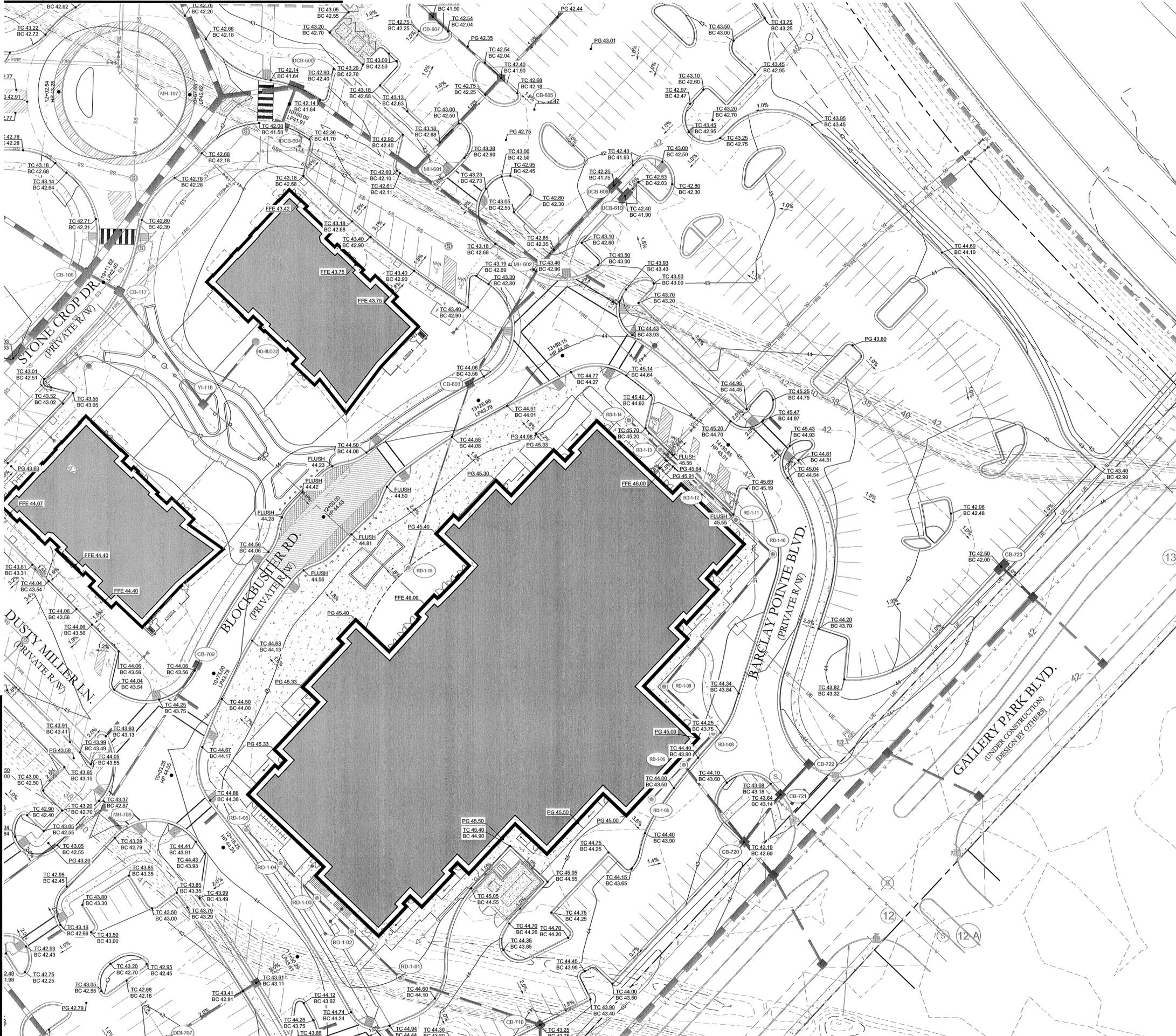
SEE SHEET C-3.5



FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS: 1) PER CITY OF WILMINGTON ENGINEERING COMMENTS 2) PER CITY OF WILMINGTON TRC COMMENTS	11.23.15 01.05.16
	CLIENT INFORMATION: Collett - Cameron Properties 2508 Independence Blvd., Suite 202 Wilmington, NC
PARAMOUNT ENGINEERING 5911 Oleander Drive, Suite 201 Wilmington, North Carolina 28403 (910) 791-6707 (O) (910) 791-6760 (F) NC License #: C-2846	PARAMOUNT ENGINEERING THE POINTE AT BARCLAY BARCLAY WEST TRACT B CITY OF WILMINGTON NORTH CAROLINA
PROJECT STATUS: CONCEPTUAL LAYOUT: PRELIMINARY LAYOUT: RELEASED FOR CONST:	DRAWING INFORMATION: DATE: 09.14.15 1"=30' D.J.F. D.S.C. D.S.C.
SEALED NORTH CAROLINA PROFESSIONAL ENGINEER 040501 09.05.15 DANIEL J. FISK	C-3.4 PEI JOB#: 14222.PE

SEE SHEET C-3.3



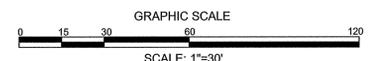
REFERENCE:
SEE SHEET C-3.3 FOR ALL REFERENCES, NOTES AND NOTATION.

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

NCDENR PWSS WATER PERMIT #: _____ GPD
 WATER CAPACITY: _____ GPD
 DWQ SEWER PERMIT #: _____ GPD
 SEWER CAPACITY: _____ GPD
 SEWER SHED # AND PLANT: _____
 SEWER TO FLOW THROUGH NEI: YES or NO (CIRCLE ONE)

Approved Construction Plan
 Name _____ Date _____
 Planning _____
 Traffic _____
 Fire _____

Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN
 Date: _____ Permit # _____
 Signed: _____



REVISIONS:

1) PER CITY OF WILMINGTON ENGINEERING COMMENTS	11.23.15
2) PER CITY OF WILMINGTON TRC COMMENTS	01.05.16

CLIENT INFORMATION:
Collett - Camerton Properties
 2508 Independence Blvd, Suite 202
 Wilmington, NC

PARAMOUNT ENGINEERING
 5911 Oleander Drive, Suite 201
 Wilmington, North Carolina 28403
 (910) 791-6707 (O) (910) 791-6760 (F)
 NC License #: C-2846

FINE GRADING PLAN
THE POINTE AT BARCLAY
 BARCLAY WEST TRACT B
 CITY OF WILMINGTON
 NORTH CAROLINA

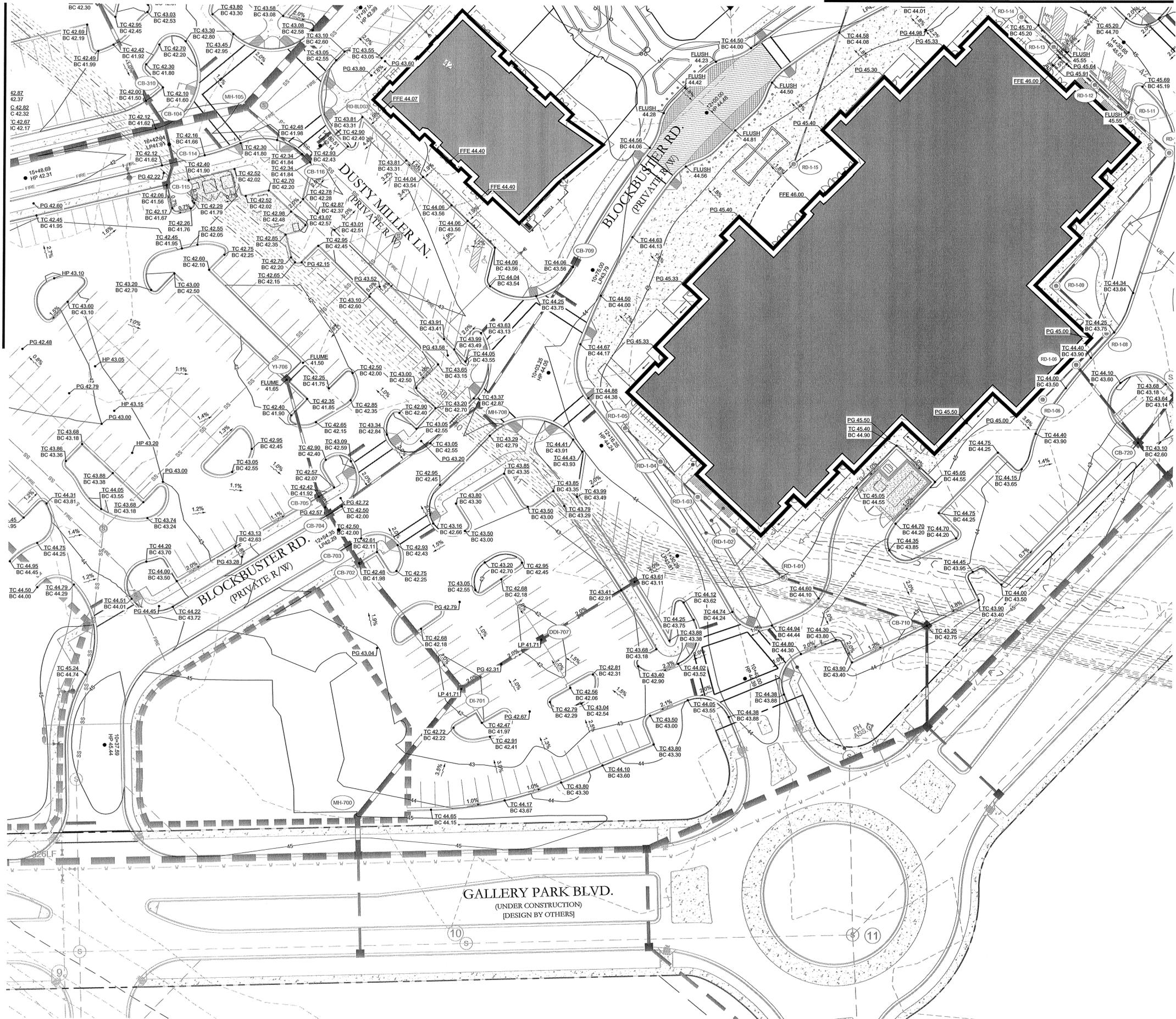
PROJECT STATUS:
 CONCEPTUAL LAYOUT: _____
 PRELIMINARY LAYOUT: _____
 RELEASED FOR CONST: _____
DRAWING INFORMATION:
 DATE: 08.14.15
 DRAWN BY: D.J.F.
 CHECKED: D.J.F.

C-3.5
 PEI JOB#: 14222.PE

SEE SHEET C-3.6

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION





REFERENCE:
SEE SHEET C-3.3 FOR ALL REFERENCES, NOTES AND NOTATION.

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

NC DENR PWSS WATER PERMIT #:	
WATER CAPACITY:	_____ GPD
DWQ SEWER PERMIT #:	
SEWER CAPACITY:	_____ GPD
SEWER SHED # AND PLANT:	
SEWER TO FLOW THROUGH NEI:	YES or NO (CIRCLE ONE)

Approved Construction Plan

Name _____ Date _____

Planning _____

Traffic _____

Fire _____

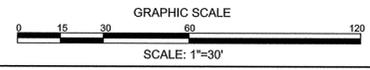
WILMINGTON
NORTH CAROLINA

Public Services • Engineering Division

APPROVED STORMWATER MANAGEMENT PLAN

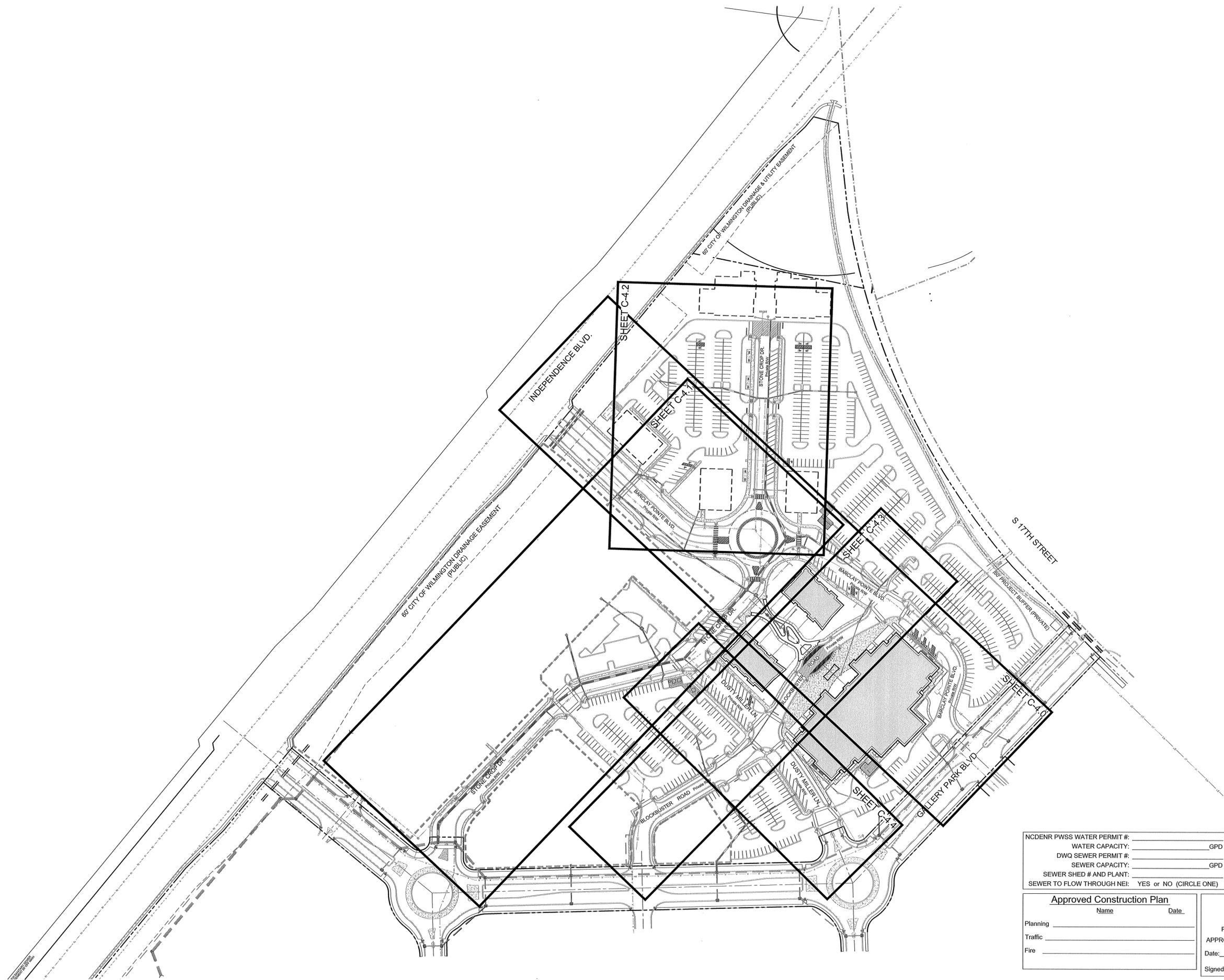
Date: _____ Permit # _____

Signed: _____



FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:	1) PER CITY OF WILMINGTON ENGINEERING COMMENTS	11.23.19
	2) PER CITY OF WILMINGTON TRC COMMENTS	01.03.19
CLIENT INFORMATION:	PARAMOUNT ENGINEERING 5911 Oleander Drive, Suite 201 Wilmington, North Carolina 28403 (910) 791-6707 (O) (910) 791-6760 (F) NC License #: C-2946	
PROJECT STATUS:	CONCEPTUAL LAYOUT: PRELIMINARY LAYOUT: RELEASED FOR CONST:	
DRAWING INFORMATION:	DATE: 09.14.19 DESIGNED: J. FISHER CHECKED: J. FISHER	
PROJECT STATUS:	PARAMOUNT ENGINEERING THE POINTE AT BARCLAY BARCLAY WEST TRACT B CITY OF WILMINGTON NORTH CAROLINA	
SEAL:		
C-3.6	PEI JOB#: 14222.PE	



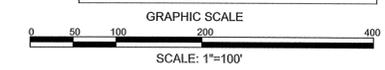
NCDENR PWSS WATER PERMIT #: _____
 WATER CAPACITY: _____ GPD
 DWQ SEWER PERMIT #: _____
 SEWER CAPACITY: _____ GPD
 SEWER SHED # AND PLANT: _____
 SEWER TO FLOW THROUGH NEI: YES or NO (CIRCLE ONE)

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

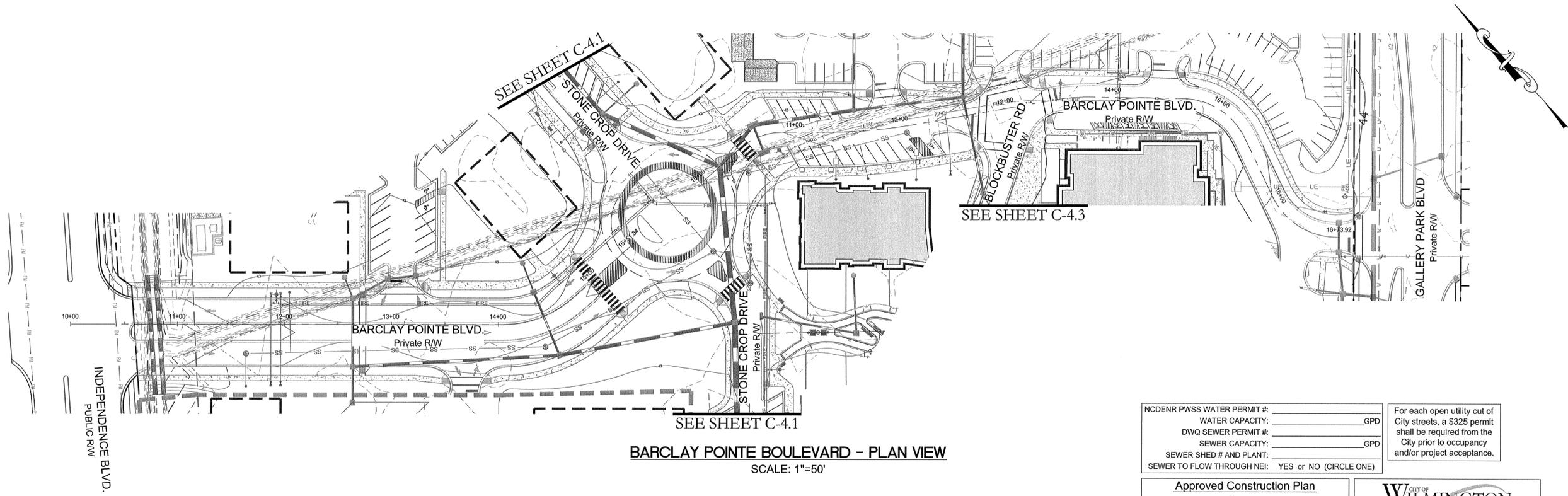
Name	Date
Planning _____	_____
Traffic _____	_____
Fire _____	_____


 Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN
 Date: _____ Permit # _____
 Signed: _____



FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

<p>REVISIONS:</p> <p>1) PER CITY OF WILMINGTON ENGINEERING COMMENTS</p> <p>2) PER CITY OF WILMINGTON TRC COMMENTS</p>	<p>CLIENT INFORMATION:</p> <p>Collett - Cameron Properties 2508 Independence Blvd. Suite 202 Wilmington, NC</p>	<p>PARAMOUNT ENGINEERING</p> <p>5911 Oleander Drive, Suite 201 Wilmington, North Carolina 28403 (910) 791-6707 (O) (910) 791-6760 (F) NC License #: C-2846</p>	<p>PLAN AND PROFILES</p> <p>INDEX SHEET THE POINTE AT BARCLAY 'BARCLAY WEST TRACT B' CITY OF WILMINGTON NORTH CAROLINA</p>	<p>PROJECT STATUS:</p> <p>CONCEPTUAL LAYOUT: _____ PRELIMINARY LAYOUT: _____ RELEASED FOR CONST: _____</p> <p>DRAWING INFORMATION:</p> <p>DATE: 08.14.15 1" = 100' DESIGNED: _____ DRAWN: _____ CHECKED: _____</p>	<p>SEALED BY PROFESSIONAL ENGINEER</p> <p>DUSTRE</p> <p>08.14.15 04.03.15 01.05.16</p> <p>DANIEL J. FISHER ENGINEER</p>	<p>INDEX</p> <p>PEI JOB#: 14222.PE</p>
--	--	--	---	--	---	---



BARCLAY POINTE BOULEVARD - PLAN VIEW
SCALE: 1"=50'

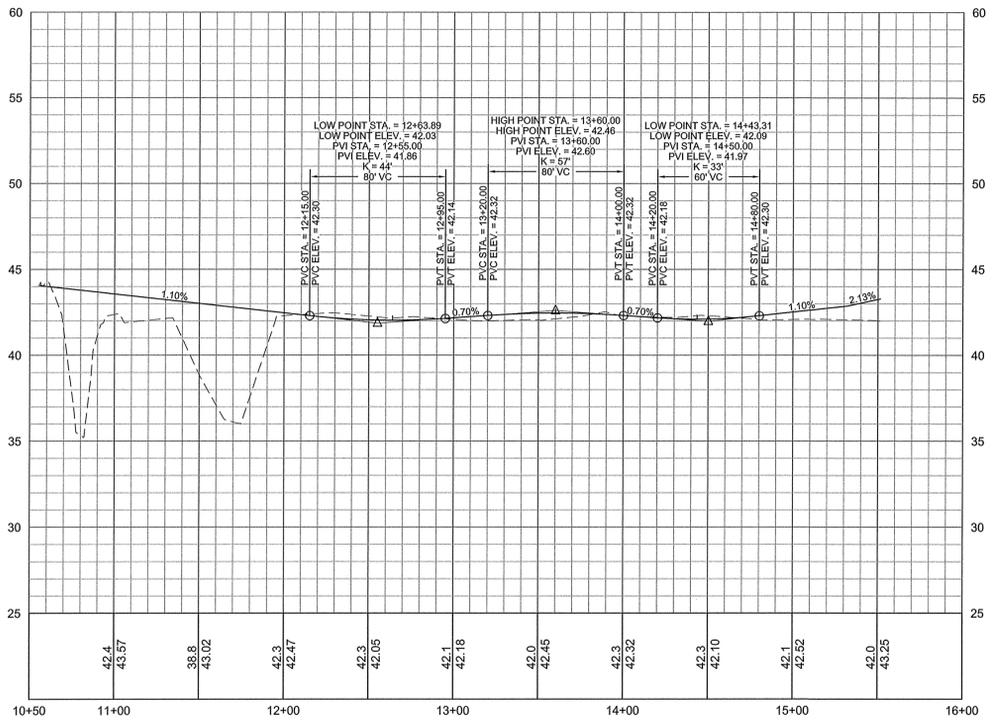
NCDENR PWSS WATER PERMIT #: _____
 WATER CAPACITY: _____ GPD
 DWQ SEWER PERMIT #: _____
 SEWER CAPACITY: _____ GPD
 SEWER SHED # AND PLANT: _____
 SEWER TO FLOW THROUGH NEI: YES or NO (CIRCLE ONE)

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

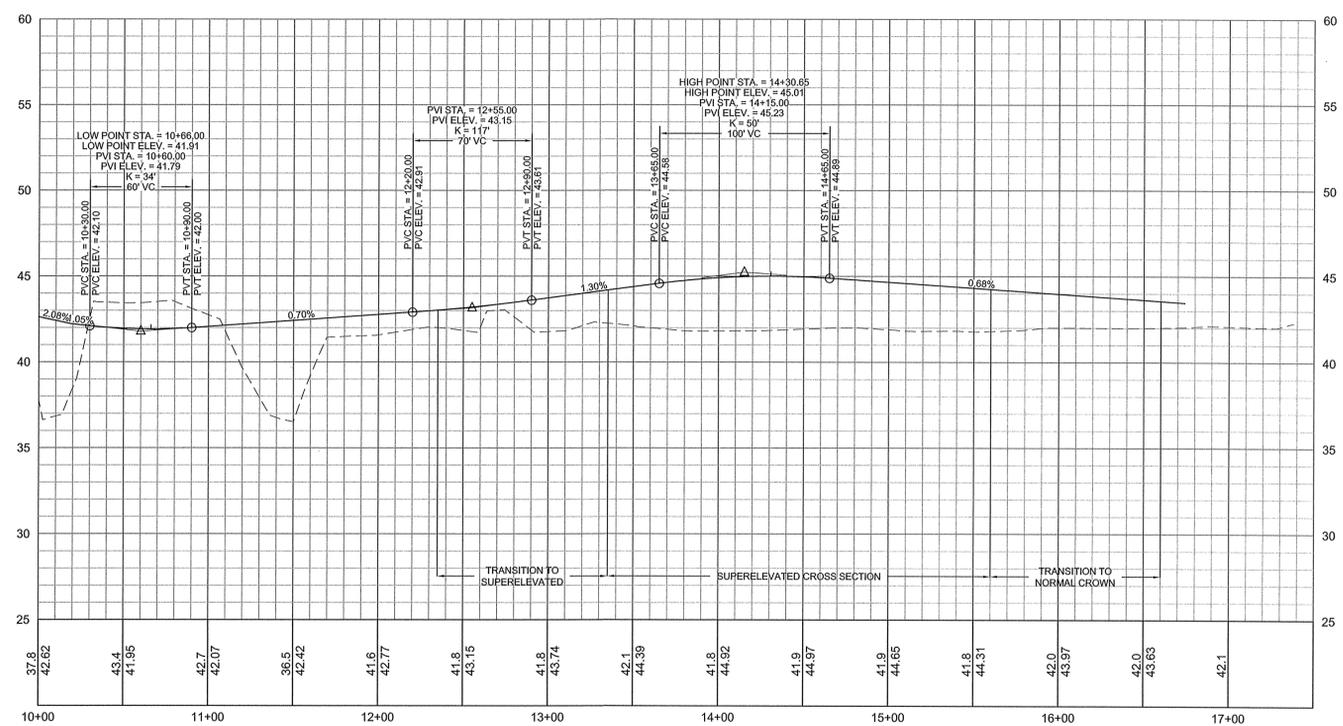
Approved Construction Plan

Name	Date
Planning _____	_____
Traffic _____	_____
Fire _____	_____

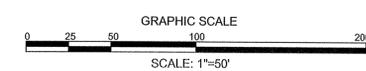
WILMINGTON
NORTH CAROLINA
Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN
Date: _____ Permit # _____
Signed: _____



BARCLAY POINTE BOULEVARD - PROFILE VIEW
(INDEPENDENCE BLVD. TO TRAFFIC CIRCLE)
HORIZONTAL SCALE: 1"=50'
VERTICAL SCALE: 1"=5'



BARCLAY POINTE BOULEVARD - PROFILE VIEW
(TRAFFIC CIRCLE TO GALLERY PARK BLVD.)
HORIZONTAL SCALE: 1"=50'
VERTICAL SCALE: 1"=5'



REVISIONS:

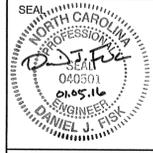
1) PER CITY OF WILMINGTON ENGINEERING COMMENTS	11.23.15
2) PER CITY OF WILMINGTON TRC COMMENTS	01.05.16

CLIENT INFORMATION:
Collett - Cameron Properties
 2508 Independence Blvd. Suite 202
 Wilmington, NC

PARAMOUNT ENGINEERING
 5911 Oleander Drive, Suite 201
 Wilmington, North Carolina 28403
 (910) 791-6707 (O) (910) 791-6760 (F)
 NC License #: C-2846

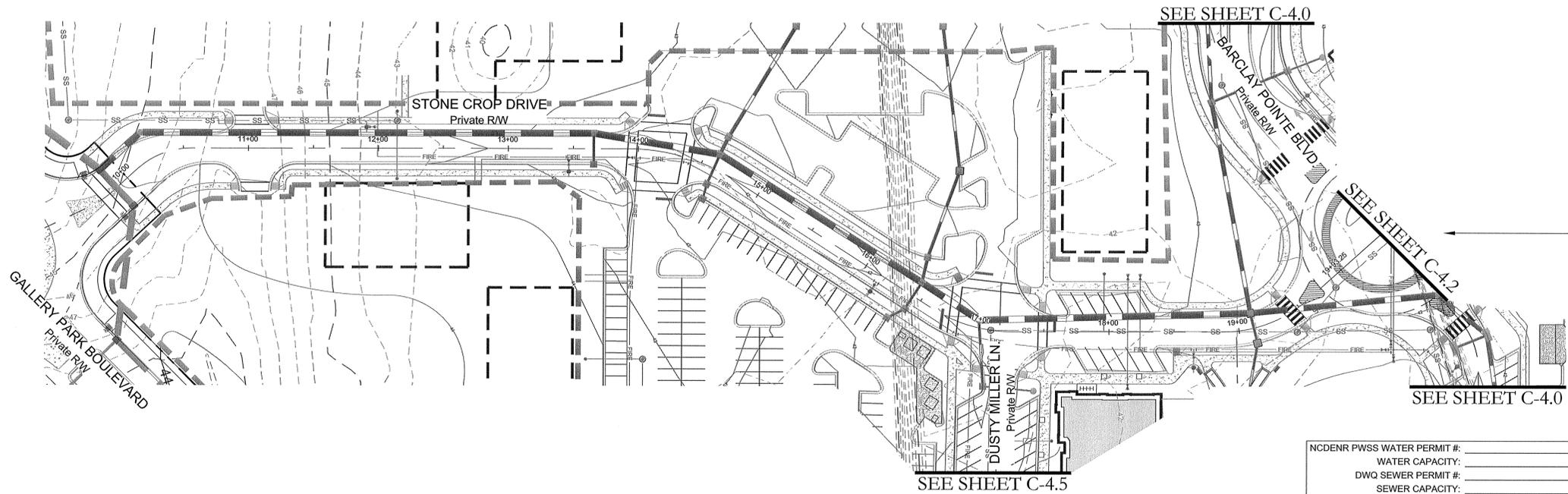
PLAN AND PROFILES
 BARCLAY POINTE BOULEVARD
 THE POINTE AT BARCLAY
 BARCLAY WEST TRACT 'B'
 CITY OF WILMINGTON
 NORTH CAROLINA

PROJECT STATUS
 CONCEPTUAL LAYOUT:
 PRELIMINARY LAYOUT:
 RELEASED FOR CONSTRUCTION:
 DRAWING INFORMATION
 DATE: 09.14.15
 DESIGNED BY: D.J.F.
 DRAWING: D.J.F.
 CHECKED: D.J.F.



C-4.0
 PEI JOB#: 14222.PE

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION



STONE CROP DRIVE - PLAN VIEW
SCALE: 1"=50'

NCDENR PWSS WATER PERMIT #:	
WATER CAPACITY:	GPD
DWQ SEWER PERMIT #:	
SEWER CAPACITY:	GPD
SEWER SHED # AND PLANT:	
SEWER TO FLOW THROUGH NEI:	YES or NO (CIRCLE ONE)

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 _____

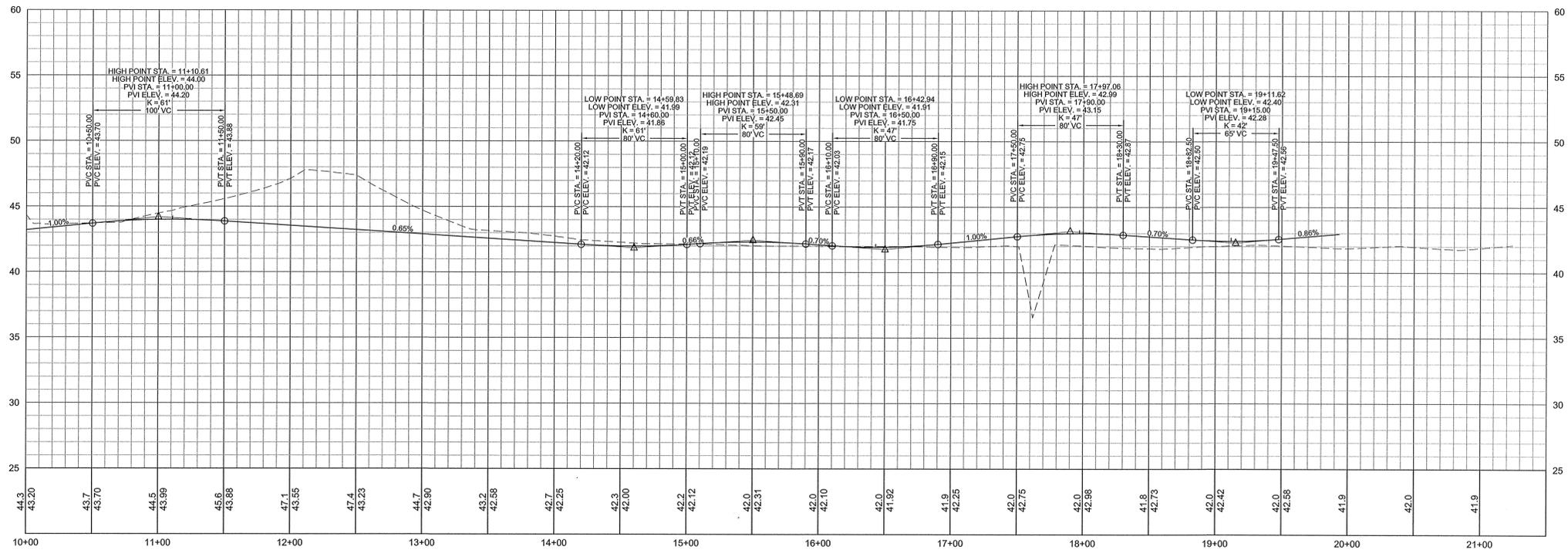
CITY OF WILMINGTON
NORTH CAROLINA

Public Services • Engineering Division

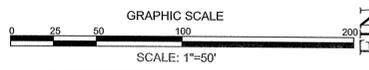
APPROVED STORMWATER MANAGEMENT PLAN

Date: _____ Permit # _____

Signed: _____



STONE CROP DRIVE - PROFILE VIEW
(GALLERY PARK BLVD. TO TRAFFIC CIRCLE)
HORIZONTAL SCALE: 1"=50'
VERTICAL SCALE: 1"=5'



REVISIONS:

1) PER CITY OF WILMINGTON ENGINEERING COMMENTS	11.23.15
2) PER CITY OF WILMINGTON TRC COMMENTS	01.05.16

CLIENT INFORMATION:
Collett - Cameron Properties
2508 Independence Blvd., Suite 202
Wilmington, NC

PARAMOUNT ENGINEERING
5911 Oleander Drive, Suite 201
Wilmington, North Carolina 28403
(910) 791-6707 (O) (910) 791-6760 (F)
NC License #: C-2846

PLAN AND PROFILES
STONE CROP DRIVE
THE POINTE AT BARCLAY
BARCLAY WEST TRACT B
CITY OF WILMINGTON
NORTH CAROLINA

PROJECT STATUS

CONCEPTUAL LAYOUT: _____

PRELIMINARY LAYOUT: _____

RELEASED FOR CONST: _____

DRAWING INFORMATION

DATE: 08.14.15

DESIGNED: D.F.F.

DRAWN: D.F.F.

CHECKED: D.F.F.

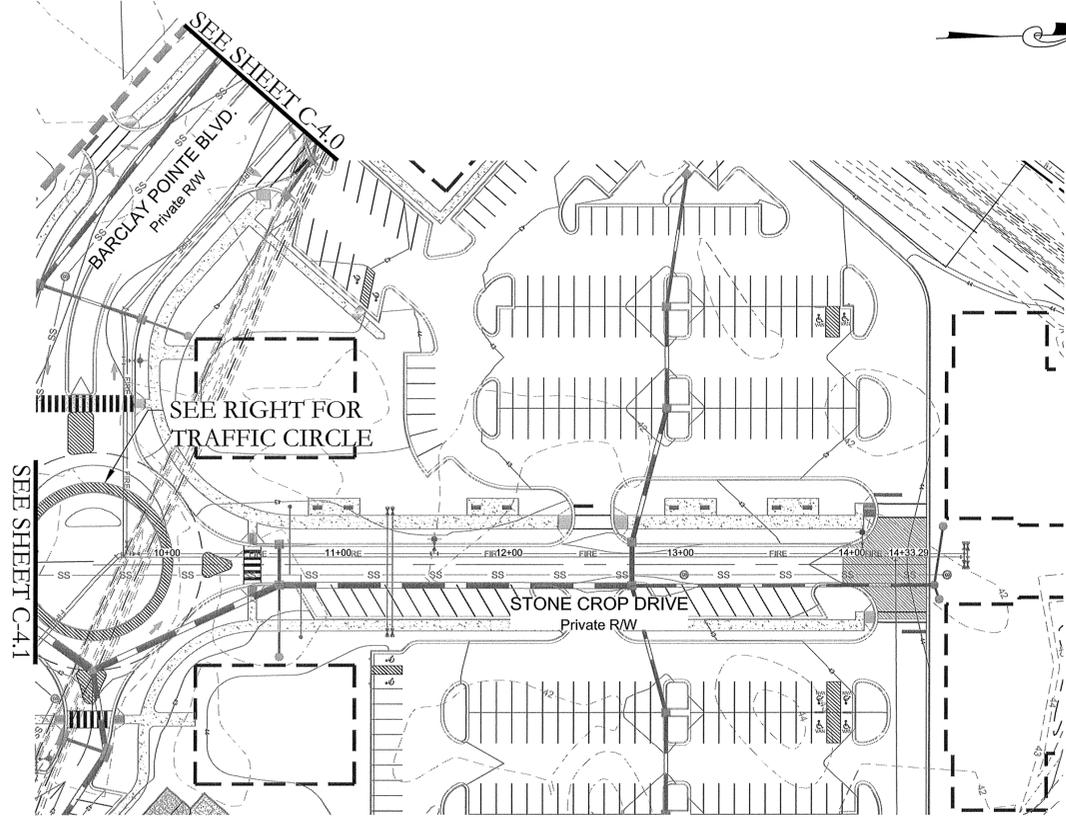
PREPARED: D.F.F.



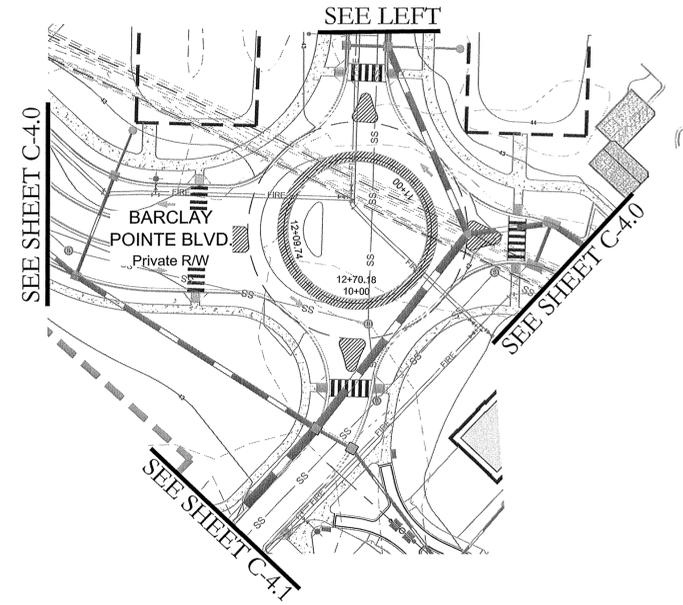
C-4.1

PEI JOB#: 14222.PE

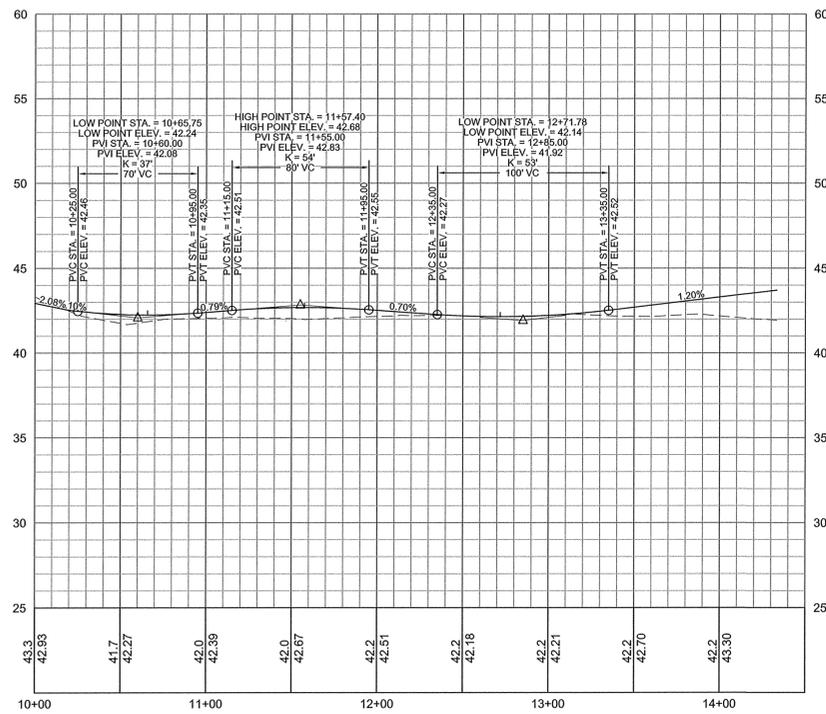
FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION



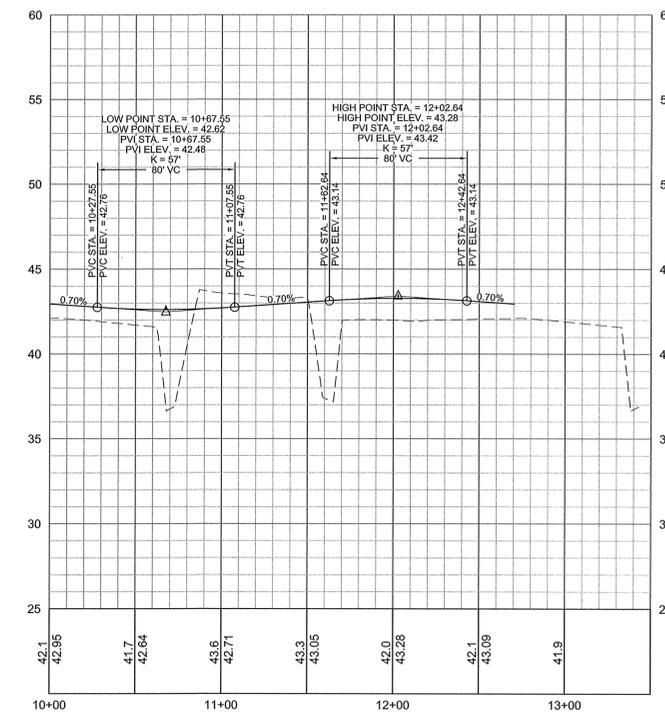
STONE CROP DRIVE - PLAN VIEW
SCALE: 1"=50'



TRAFFIC CIRCLE - PLAN VIEW
SCALE: 1"=50'



STONE CROP DRIVE - PROFILE VIEW
(TRAFFIC CIRCLE TO END)
HORIZONTAL SCALE: 1"=50'
VERTICAL SCALE: 1"=5'



TRAFFIC CIRCLE - PROFILE VIEW
HORIZONTAL SCALE: 1"=50'
VERTICAL SCALE: 1"=5'

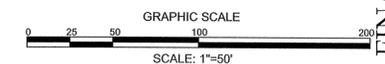
NCDENR PWSS WATER PERMIT #: _____
 WATER CAPACITY: _____ GPD
 DWQ SEWER PERMIT #: _____
 SEWER CAPACITY: _____ GPD
 SEWER SHED # AND PLANT: _____
 SEWER TO FLOW THROUGH NEI: YES or NO (CIRCLE ONE)

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

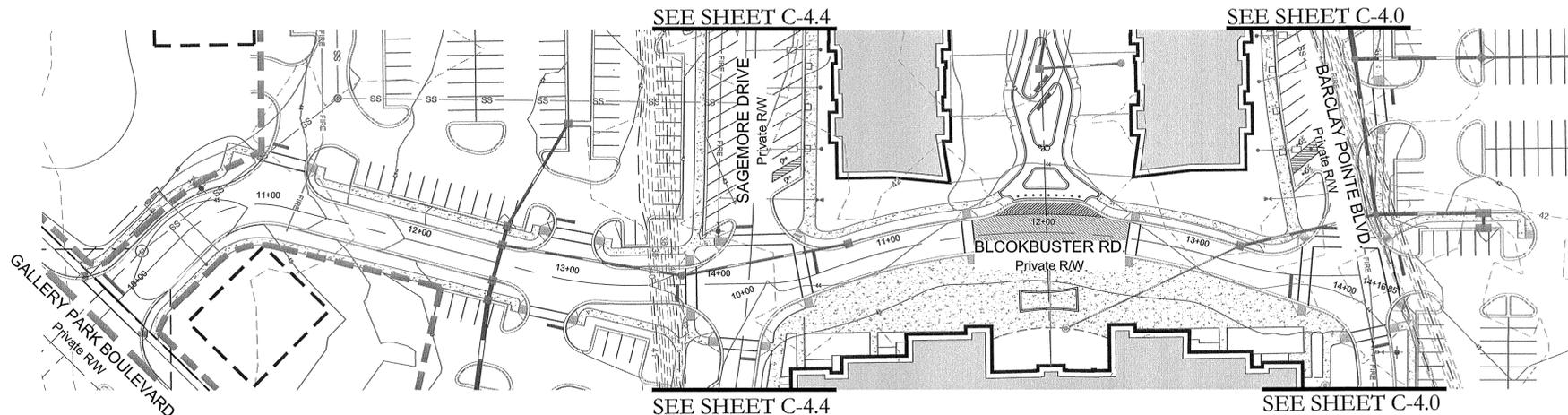
Name	Date
Planning _____	_____
Traffic _____	_____
Fire _____	_____

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



FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS: 1) PER CITY OF WILMINGTON ENGINEERING COMMENTS 2) PER CITY OF WILMINGTON TRC COMMENTS	CLIENT INFORMATION: Collett - Cameron Properties 2508 Independence Blvd, Suite 202 Wilmington, NC
PARAMOUNT ENGINEERING 5911 Oleander Drive, Suite 201 Wilmington, North Carolina 28403 (910) 791-6707 (O) (910) 791-6760 (F) NC License #: C-2846	PLAN AND PROFILES STONE CROP DRIVE & TRAFFIC CIRCLE THE POINTE AT BARCLAY BARCLAY WEST TRACT 'B' CITY OF WILMINGTON NORTH CAROLINA
PROJECT STATUS: CONCEPTUAL LAYOUT: PRELIMINARY LAYOUT: RELEASED FOR CONSTRUCTION:	DRAWING INFORMATION: DATE: 09.14.15 DESIGNED: T.D.F. DRAWN: D.F. CHECKED: P.S.
	C-4.2 PEI JOB#: 14222.PE



BLOCKBUSTER ROAD - PLAN VIEW
SCALE: 1"=50'

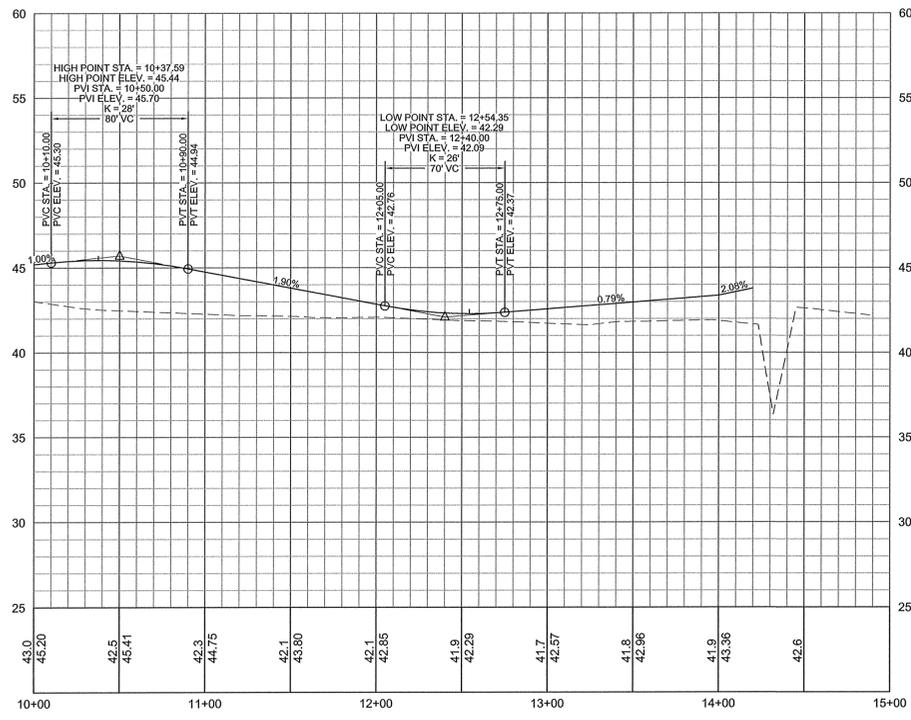
NC DENR PWSS WATER PERMIT #: _____ GPD
 WATER CAPACITY: _____
 DWQ SEWER PERMIT #: _____ GPD
 SEWER CAPACITY: _____
 SEWER SHED # AND PLANT: _____
 SEWER TO FLOW THROUGH NEI: YES or NO (CIRCLE ONE)

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

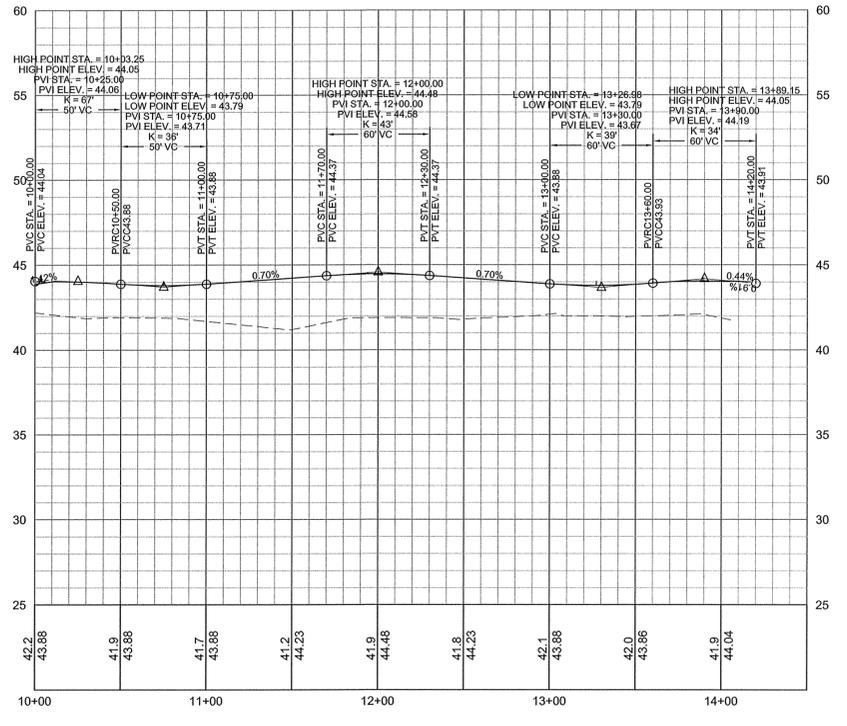
Approved Construction Plan

Name	Date
Planning _____	_____
Traffic _____	_____
Fire _____	_____

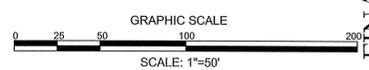
WILMINGTON NORTH CAROLINA
Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN
 Date: _____ Permit # _____
 Signed: _____



BLOCKBUSTER ROAD - PROFILE VIEW
(GALLERY PARK BLVD. TO SAGEMORE DRIVE)
HORIZONTAL SCALE: 1"=50'
VERTICAL SCALE: 1"=5'



BLOCKBUSTER ROAD - PROFILE VIEW
(SAGEMORE DRIVE TO POINTE BOULEVARD)
HORIZONTAL SCALE: 1"=50'
VERTICAL SCALE: 1"=5'



REVISIONS:
 11.23.15 1) PER CITY OF WILMINGTON ENGINEERING COMMENTS
 01.05.16 2) PER CITY OF WILMINGTON TRC COMMENTS

CLIENT INFORMATION:
Collett - Cameron Properties
 2508 Independence Blvd., Suite 202
 Wilmington, NC

PARAMOUNT ENGINEERING
 5911 Oleander Drive, Suite 201
 Wilmington, North Carolina 28403
 (910) 791-6707 (O) (910) 791-6760 (F)
 NC License #: C-2846

PLAN AND PROFILES
 BLOCKBUSTER ROAD
 THE POINTE AT BARCLAY
 BARCLAY WEST TRACT 'B'
 CITY OF WILMINGTON
 NORTH CAROLINA

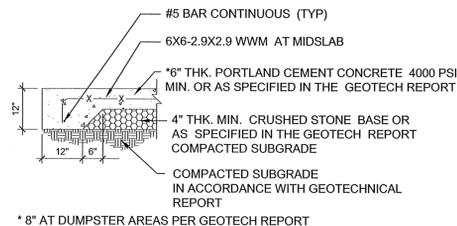
PROJECT STATUS:
 CONCEPTUAL LAYOUT:
 PRELIMINARY LAYOUT:
 RELEASED FOR CONSTRUCTION

DRAWING INFORMATION
 DATE: 09.14.16
 1"=50' DWF
 DESIGNED: DANIEL J. FISHER
 DRAWN: DANIEL J. FISHER
 CHECKED: TSC

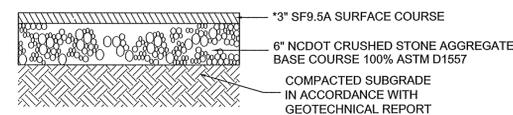
SEAL:
 NORTH CAROLINA PROFESSIONAL ENGINEER
 040801
 DANIEL J. FISHER
 ENGINEER

C-4.3
 PEI JOB#: 14222.PE

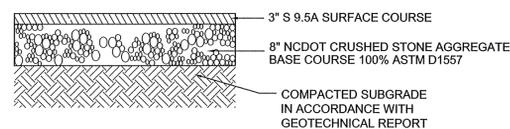
FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION



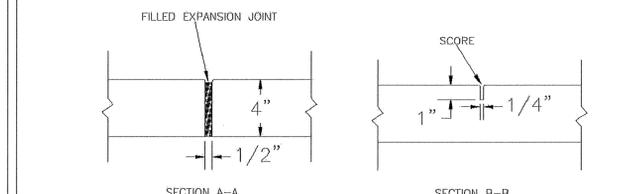
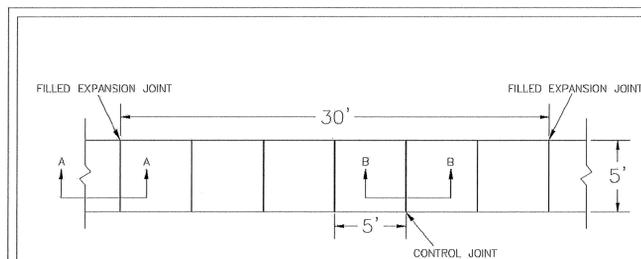
CONCRETE PAVING SECTION
NOT TO SCALE



LIGHT DUTY ASPHALT PAVING SECTION
NOT TO SCALE

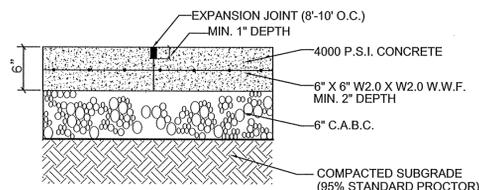


HEAVY DUTY ASPHALT PAVING SECTION
NOT TO SCALE

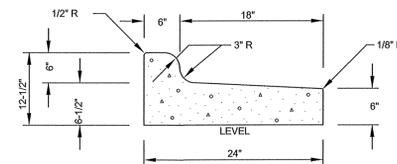


- NOTES:**
1. JOINT MATERIAL TO COMPLY WITH CURRENT NCDOT STANDARDS.
 2. SANITARY SEWER CLEAN-OUTS, WATER METERS, MANHOLES, AND VALVE LIDS TO BE LOCATED OUTSIDE SIDEWALK WHERE FEASIBLE.
 3. MINIMUM SIDEWALK WIDTH TO BE 6' MINIMUM IF PLACED AT BACK OF CURB.
 4. CONCRETE FOR ALL SIDEWALKS (EXCEPT ANY PORTION CONTAIN WITHIN A DRIVEWAY APRON) SHALL BE CLASS "A" - 3,000 PSI.
 5. MINIMUM REPLACEMENT FOR REPAIRS IS A 5' X 5' PANEL.
 6. 4" STONE BASE MAY BE REQUIRED FOR POOR SOIL CONDITIONS.
 7. MINIMUM DEPTH FOR TUNNELING BELOW SIDEWALK IS 12"
 8. MAX ADJACENT GROUND SLOPE WITHOUT RAILING IS 2:1
 9. MIN GRADE FOR PROPER DRAINAGE IS 1% IN AT LEAST 1 DIRECTION. MAX CROSS SLOPE IS 2%. MAX LONGITUDINAL SLOPE IS 8.3%, 10% IF LIMITED BY EXISTING CONDITIONS, OR NO GREATER THAN THE SLOPE OF THE EXISTING ADJACENT ROAD.

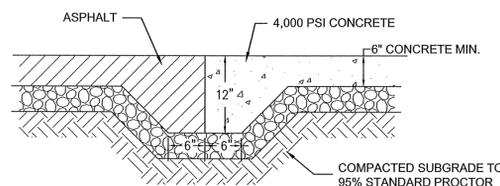
DATE: OCTOBER, 2010	STANDARD DETAIL	<p>CITY OF WILMINGTON ENGINEERING PO BOX 1810 WILMINGTON N.C. 28402 (910) 341-7807</p>
DRAWN: PBU/SR	SIDEWALK	
CHECKED: DEC		
SCALE: NOT TO SCALE		



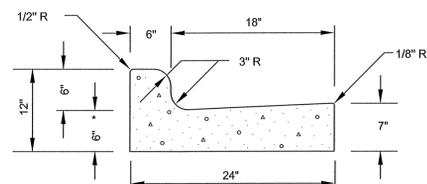
REINFORCED CONCRETE DETAIL
NOT TO SCALE



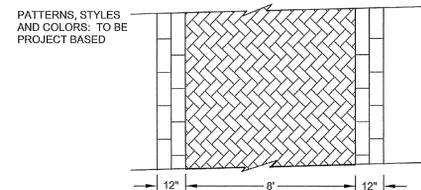
24\"/>



ASPHALT TO CONCRETE PAVEMENT TRANSITION
NOT TO SCALE



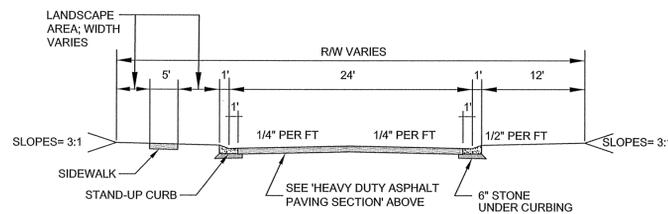
24\"/>



- SAWCUT (TYP.)**
1. 3-1/8" PAVER BLOCK (DUST TOP W / SAND)
 2. 1" THICK 1:10 DRY CEMENT TO SAND RATIO MIX
 3. 6" 3,000 P.S.I. CONCRETE W / FIBER
 4. 8" CRUSHER RUN #21B BASE MATERIAL
 5. GEOTEXTILE FABRIC, TURNED UP ALONG PERIMETER
 6. COMPACTED SOIL SUB-GRADE (ASTM D1557 TO 95%)

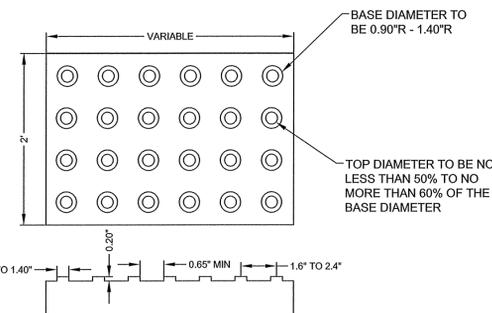
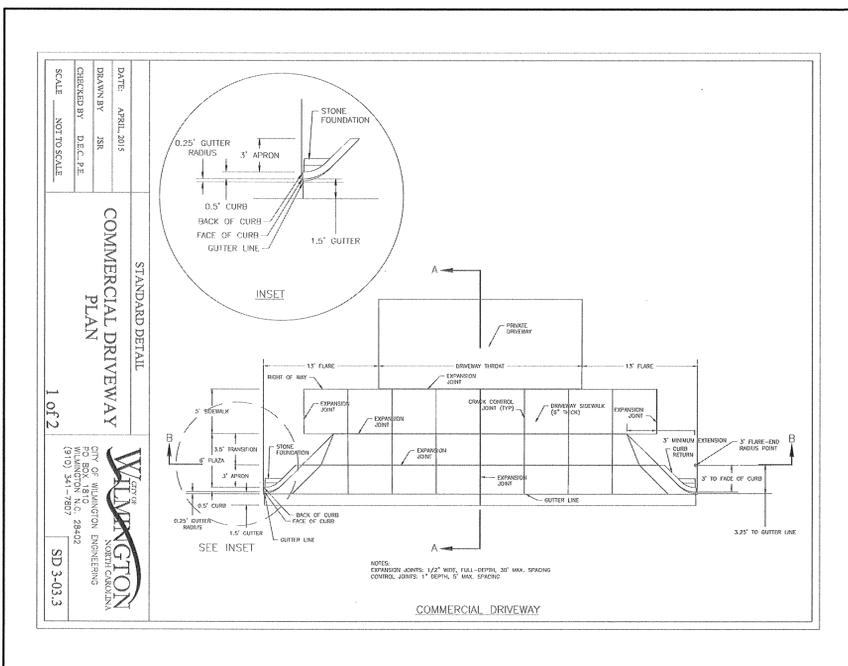
- NOTES:**
1. GEOTEXTILE FABRIC IS TO BE AMOCO PROPEX 2002 OR APPROVED EQUAL.

PAVERS IN VEHICULAR AREAS
NOT TO SCALE

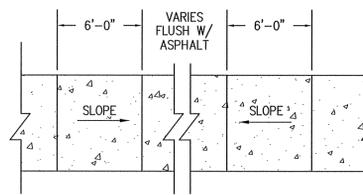


TYPICAL PRIVATE ROAD CROSS SECTION
NOT TO SCALE

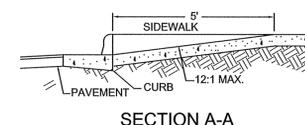
GENERAL NOTES:
CONTRACTION JOINTS SHALL BE SPACED AT MAX. 10' INTERVALS, EXCEPT THAT A 15 FOOT SPACING MAY BE USED WHEN A MACHINE IS USED OR WHEN SATISFACTORY SUPPORT FOR THE FACE FORM CAN BE OBTAINED WITHOUT THE USE OF TEMPLATES AT 10 FOOT INTERVALS. JOINT SPACING MAY BE ALTERED BY THE ENGINEER TO PREVENT 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.



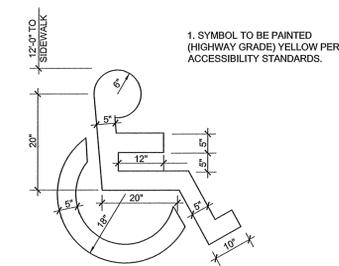
DETECTABLE WARNING MAT
NOT TO SCALE



WHEELCHAIR RAMP (FLUSH PAVING)
NOT TO SCALE



SECTION A-A

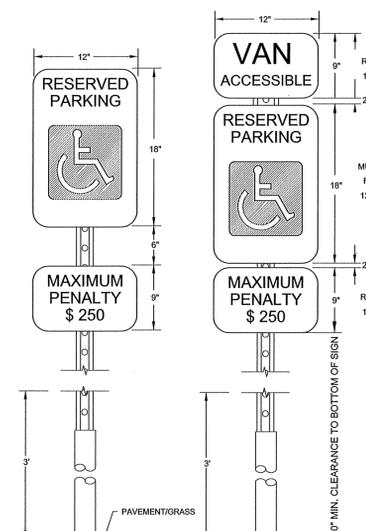


HANDICAPPED PARKING SYMBOL
NOT TO SCALE

DETECTABLE WARNING SURFACE PER ADA/ANSI 705



WHEELCHAIR RAMP (DROP CURB)
NOT TO SCALE



ADA COMPLIANT PARKING SIGN
NOT TO SCALE

- NOTES:**
1. METAL POST AND ALL HARDWARE SHALL BE GALVANIZED STEEL, ASTM A307-90.
 2. POST HOLES SHALL BE FILLED WITH GRANULAR BACKFILL IN 3-INCH TO 4-INCH LIFTS. THOROUGHLY HAND TAMP EACH LIFT AND CROWN BACKFILL AT TOP TO SHED WATER.
 3. CONCRETE FOR FOOTING SHALL BE PORTLAND CEMENT AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI.
 4. SIGNS SHALL BE CONSTRUCTED OF ALUMINUM, TYPE 6061-T6 AND IN CONFORMANCE WITH ASTM STD B-209. THICKNESS SHALL BE 0.80 INCHES.
 5. TOP EDGE TREATMENT FILM SHALL BE 3" WIDE, CLEAR AND TRANSPARENT WITH A SUB-RESISTANT PRESSURE SENSITIVE NON-YELLOWING ADHESIVE, "SKOTCHCAL" TRANSPARENT FILE #639 OR APPROVED EQUAL.
 6. REFLECTIVE FACING MATERIAL SHALL BE SCOTCHLITE HIGH INTENSITY, MANUFACTURED BY 3M COMPANY OR APPROVED EQUAL.
 7. SIGN LETTERING SHALL BE NPS MODIFIED CLARENDON TYPEFACE. UPPERCASE LETTERS SHALL BE 3.75" HEIGHT AND LOWERCASE LETTERS SHALL BE 2.5" HEIGHT WITH 3.75" SPACING BETWEEN LINES.
 8. CORNER RADIUS OF SIGNS SHALL BE 2.5" ARROWS SHALL BE 5.625" LONG BY 3.75" HIGH.
 9. MOUNT ON BUILDING OR METAL POST AS DIRECTED.

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

NCDENR PWSS WATER PERMIT #: _____
WATER CAPACITY: _____ GPD
DWQ SEWER PERMIT #: _____
SEWER CAPACITY: _____ GPD
SEWER SHED # AND PLANT: _____
SEWER TO FLOW THROUGH NEI: YES or NO (CIRCLE ONE)

Approved Construction Plan

Name: _____ Date: _____

Planning: _____
Traffic: _____
Fire: _____

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

Date: _____ Permit #: _____
Signed: _____

REVISIONS:

11/23/15	1) PER CITY OF WILMINGTON ENGINEERING COMMENTS
01/04/16	2) PER CITY OF WILMINGTON TRC COMMENTS

CLIENT INFORMATION:

PARAMOUNT ENGINEERING
5911 Oleander Drive, Suite 201
Wilmington, North Carolina 28403
(910) 791-6707 (O) (910) 791-6760 (F)
NC License #: C-2846

DETAILS

THE POINTE AT BARCLAY
"BARCLAY WEST TRACT B"
CITY OF WILMINGTON
NORTH CAROLINA

PROJECT STATUS:
CONCEPTUAL LAYOUT: _____
PRELIMINARY LAYOUT: _____
RELEASED FOR CONST: _____

DRAWING INFORMATION:
DATE: 01/04/16
DESIGNED: J. J. [Signature]
CHECKED: [Signature]

SEAL

WILMINGTON NORTH CAROLINA
Professional Engineer Seal

C-7.0

PEI JOB#: 14222.PE

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

