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
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 & OUTDOOR COURTYARDS:	74,395 SF
PAVEMENT:	524,716 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**
TOTAL ADA COMPLIANT SPACES REQUIRED:	19 SPACES INCLUDING 3 VAN SPACES (940 x 2%=19 SPACES; 1/6 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)

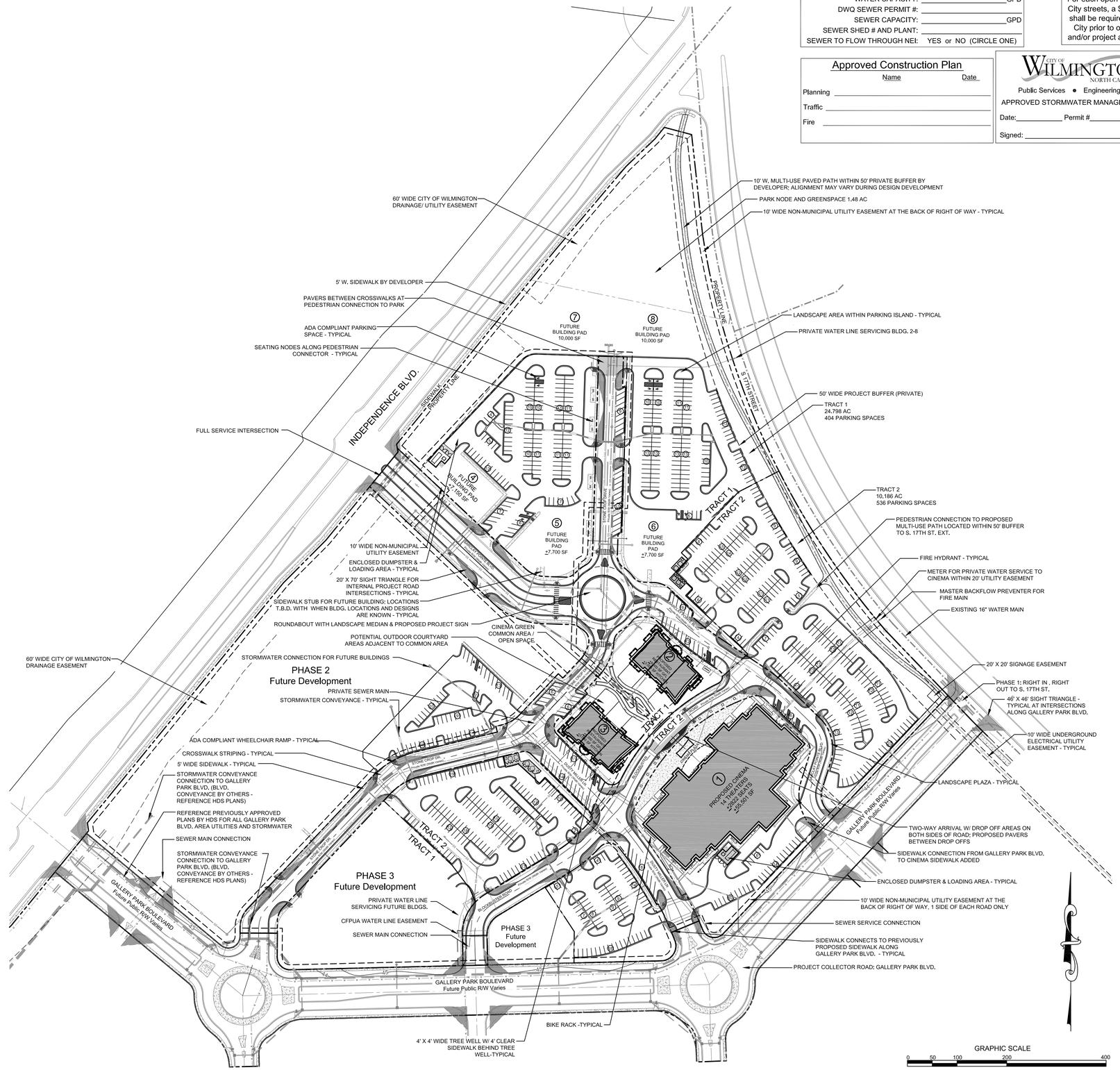
BUILDING 1 SF:	55,501 SF
PARKING SPACES:	536 SPACES
TOTAL ESTIMATED PH 1 BUILDING SF:	116,651 SF TOTAL
TOTAL PARKING SPACES:	940 SPACES TOTAL
TOTAL HANDICAP SPACES REQUIRED:	19 SPACES INCLUDING 3 VAN SPACES
TOTAL PROVIDED:	20 SPACES INCLUDING 6 VAN SPACES (DISTRIBUTED TO SHARE PARKING ACROSS PH 1)
TOTAL BIKE PARKING REQUIRED:	20 SPACES PER CITY ORDINANCE SECTION 18-528F
TOTAL BIKE PARKING PROVIDED:	20 SPACES PROVIDED

GENERAL ZONING AND PERMITTING NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL CITY OF WILMINGTON AND NEW HANOVER COUNTY APPROVED PLANS, STANDARDS, AND SPECIFICATIONS.
2. 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
3. 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.
4. 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 / OWNERS REPRESENTATIVE SCHEDULE AND CONSTRUCTION ACTIVITIES TO MINIMIZE DELAYS OR INTERFERENCE WITH ANY OTHER CONTRACTORS OR SUBCONTRACTORS.
5. 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,"
6. 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.
7. 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.
8. FOR ADDITIONAL INFORMATION PERTAINING TO THE COMMERCIAL TRACTS, REFERENCE PARAMOUNTE ENGINEERING PLANS PREVIOUSLY SUBMITTED TO THE CITY OF WILMINGTON INCLUDING: TRC PLANS, STORMWATER PLANS, CFPUA UTILITY PLANS, AND EROSION CONTROL PLANS.

CITY STANDARD NOTES

1. 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.
2. 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.
3. 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.
4. ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND /OR NCDOT STANDARDS.
5. 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.
6. 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.
7. CONTACT TRAFFIC ENGINEERING AT 341-7888 TO ENSURE THAT ALL TRAFFIC SIGNAL FACILITIES AND EQUIPMENT ARE SHOWN ON THE PLAN.
8. CALL TRAFFIC ENGINEERING AT 341-7888 FORTY-EIGHT HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT-OF-WAY.
9. TRAFFIC ENGINEERING MUST APPROVE OF PAVEMENT MARKING PRIOR TO ACTUAL STRIPING.
10. ALL PARKING STALL MARKINGS AND LANE ARROWS WITHIN THE PARKING AREAS SHALL BE WHITE.
11. ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT-OF-WAY ARE TO BE MAINTAINED BY THE OWNER IN ACCORDANCE WITH MUTCD STANDARDS.
12. STOP SIGNS AND STREET SIGNS TO REMAIN IN PLACE DURING CONSTRUCTION.
13. TACTILE WARNING MATS WILL BE INSTALLED ON ALL WHEELCHAIR RAMPS
14. 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.
15. ANY BROKEN OR MISSING SIDEWALK OR DRIVEWAY PANELS OR CURBING WILL BE REPLACED.
16. CONTACT THE CITY AT 341-7888 TO DISCUSS STREET LIGHTING OPTIONS.
17. WATER AND SEWER SERVICE SHALL MEET CAPE FEAR PUBLIC UTILITY AUTHORITY (CFPUA) DETAILS AND SPECIFICATIONS.
18. PROJECT SHALL COMPLY WITH CAPE FEAR PUBLIC UTILITY AUTHORITY CROSS CONNECTION CONTROL REQUIREMENTS. WATER METERS CANNOT BE RELEASED UNTIL ALL REQUIREMENTS ARE MET AND THE STATE HAS GIVEN THEIR FINAL APPROVAL. CALL 343-3910 FOR INFORMATION.
19. IF THE CONTRACTOR DESIRES CFPUA 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.
20. ANY IRRIGATION SYSTEM SUPPLIED BY CFPUA WATER SHALL COMPLY WITH CFPUA CROSS CONNECTION CONTROL REGULATIONS, CALL 343-3910 FOR INFORMATION.
21. ANY IRRIGATION SYSTEM SHALL BE EQUIPPED WITH A RAIN AND FREEZER SENSOR.
22. ANY BACKFLOW PREVENTION DEVICES REQUIRED BY CFPUA WILL NEED TO BE ON THE LIST OF APPROVED DEVICES BY USCFCCCHR OR ASSE.
23. CONTRACTOR TO FIELD VERIFY EXISTING WATER AND SEWER SERVICE LOCATION, SIZES AND MATERIALS PRIOR TO CONSTRUCTION. ENGINEER TO BE NOTIFIED OF ANY CONFLICTS.
24. CONTRACTOR SHALL MAINTAIN ALL-WEATHER ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING CONSTRUCTION.
25. 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 910.341.0698.
26. NO OBSTRUCTIONS ARE PERMITTED IN THE SPACE BETWEEN THIRTY (30) INCHES AND TEN (10) FEET ABOVE THE GROUND WITHIN THE TRIANGULAR SIGHT DISTANCE.
27. CONTACT THE NORTH CAROLINA ONE CALL CENTER AT 1-800-632-4949 PRIOR TO ANY DIGGING, CLEARING OR GRADING.
28. 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)

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:
- Rev 1 per TRC comments 08/14/15
- Rev 2 per TRC comments 08/28/15
- Rev 3 per TRC comments & SRB approval conditions 12/28/15

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

PARAMOUNTE ENGINEERING, INC.
5911 Oleander Drive, Suite 201
Wilmington, North Carolina 28403
(910) 791-6707 (O) (910) 791-6760 (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:
PLANS:
RELEASED FOR CONST:

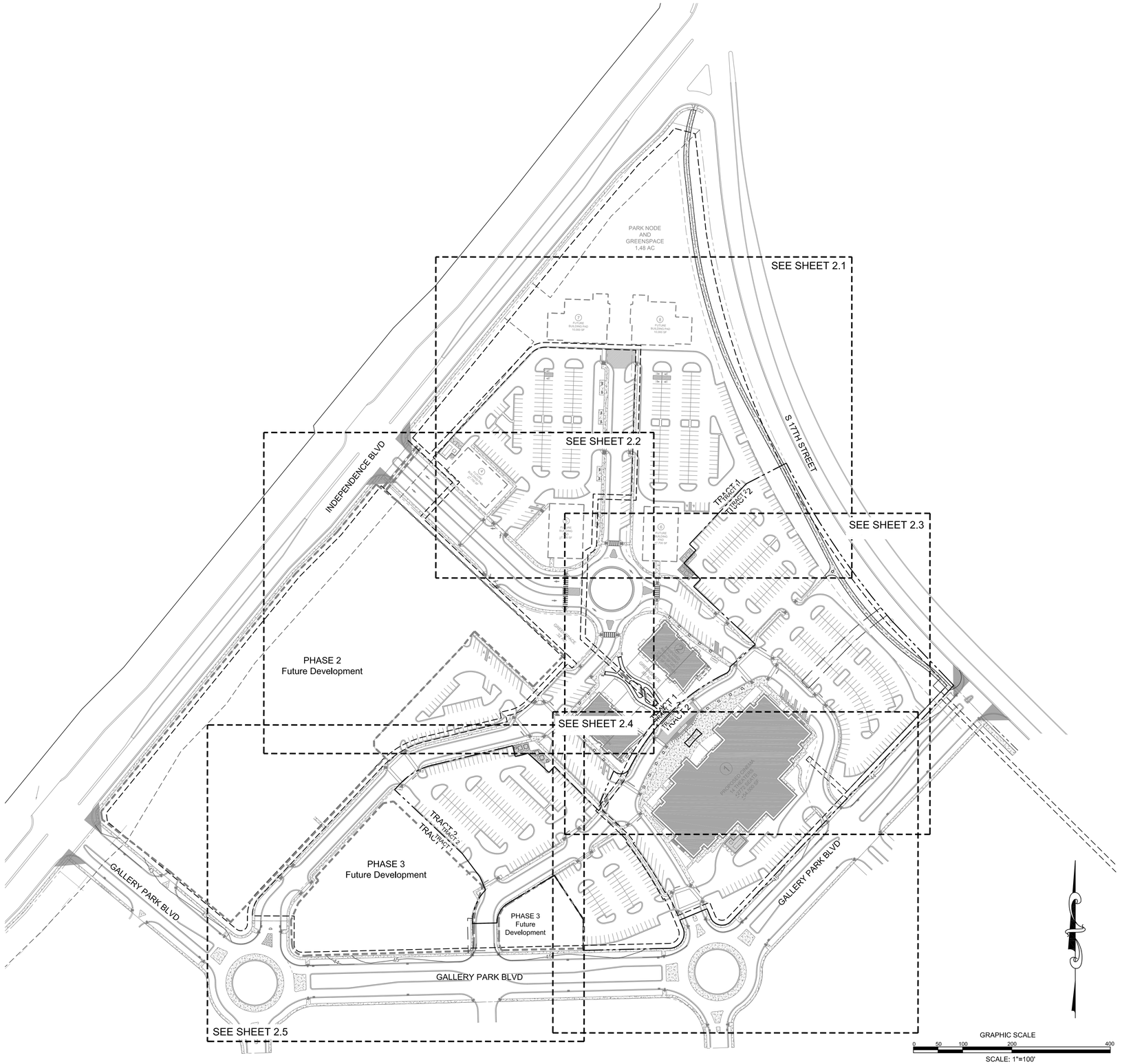
DRAWING INFORMATION
DATE: 06.10.15
SCALE: 1"=100'
DESIGNED: DHW
DRAWN: AHE
CHECKED:

SEAL

C-2.0

PEI JOB#: 14222.PE

PRELIMINARY DESIGN - NOT RELEASED FOR CONSTRUCTION



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	Name	Date
Planning		
Traffic		
Fire		

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

REVISIONS:

Rev 1 per TRC comments	08/14/15
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SITE PLAN
INDEX SHEET
THE POINTE AT BARCLAY
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CITY OF WILMINGTON
NORTH CAROLINA

PROJECT STATUS
CONCEPTUAL LAYOUT:
PRELIMINARY LAYOUT:
FINAL PLAT:
RELEASED FOR CONST:

DRAWING INFORMATION
DATE: 09.14.15
SCALE: 1" = 100'
DESIGNED: DHW
DRAWN: AHE
CHECKED:

SEAL

INDEX

PEI JOB#: 14222.PE

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WATER CAPACITY: _____ GPD
DWQ SEWER PERMIT #: _____
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	Name	Date
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Traffic		
Fire		

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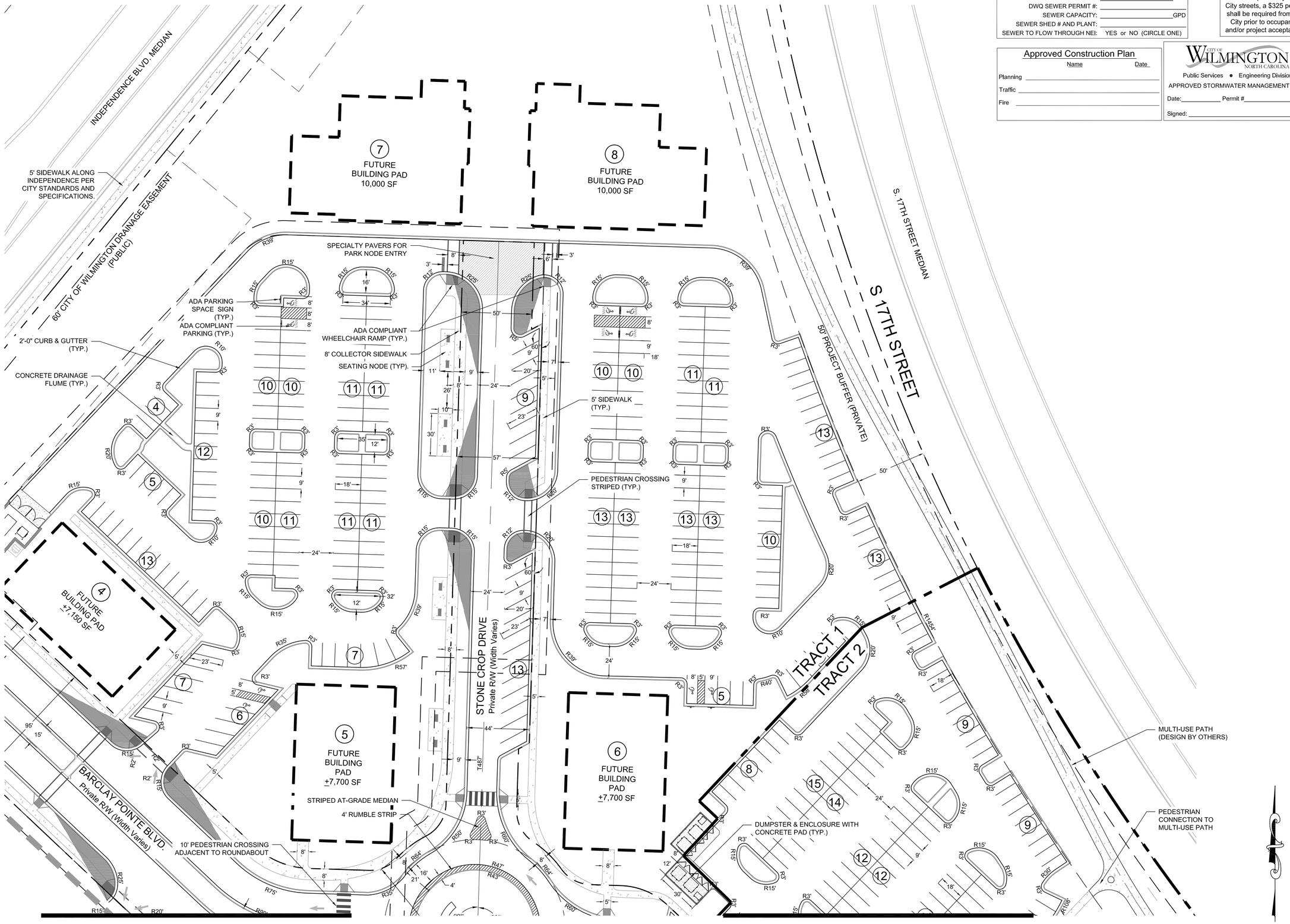
Signed: _____



SEE SHEET 2.2

SEE SHEET 2.3

GRAPHIC SCALE
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SCALE: 1"=30'

PRELIMINARY DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:

Rev 1 per TRC comments	08/14/15
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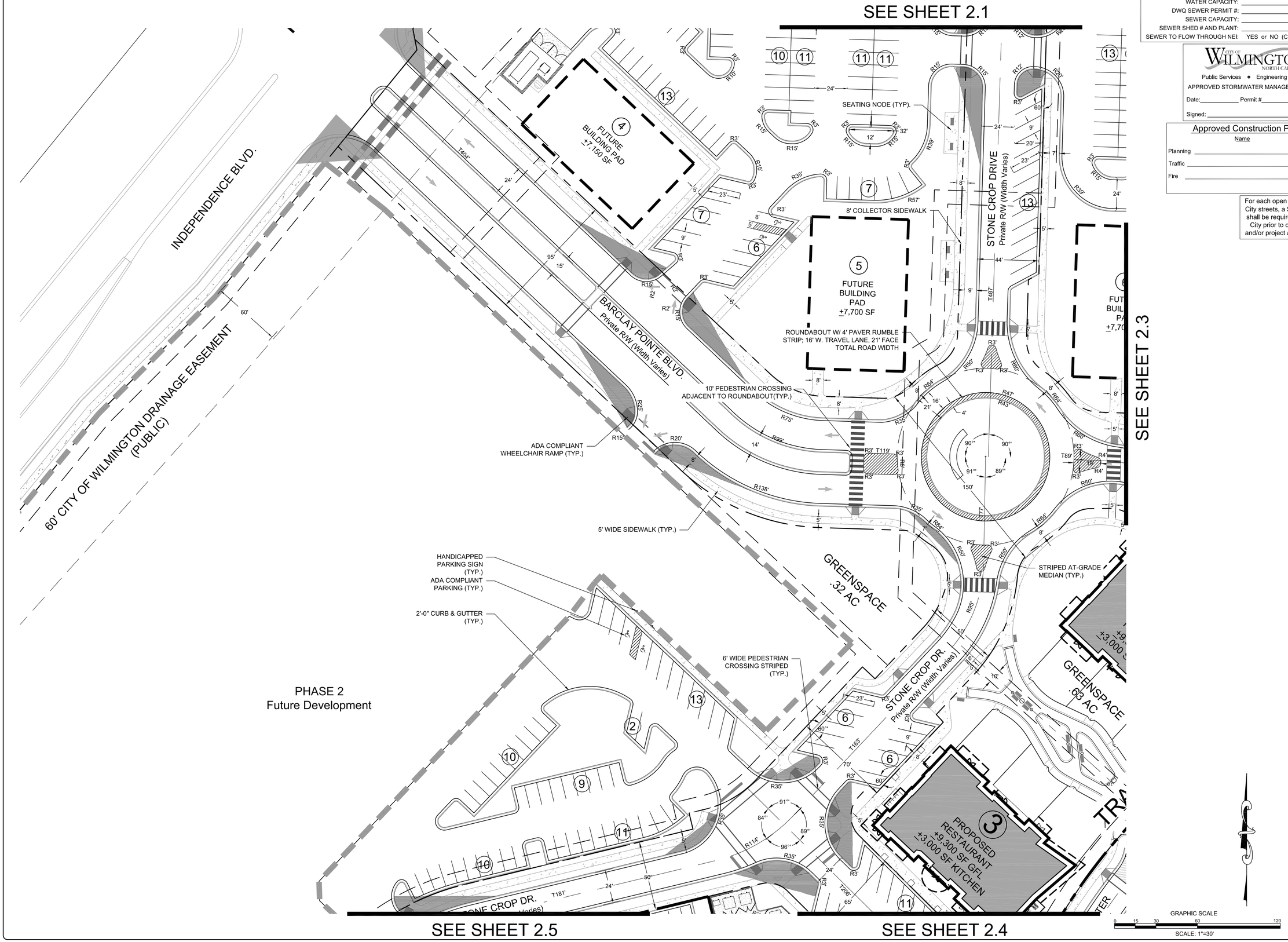
C-2.1

PEI JOB#: 14222.PE



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CITY OF WILMINGTON NORTH CAROLINA
Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN
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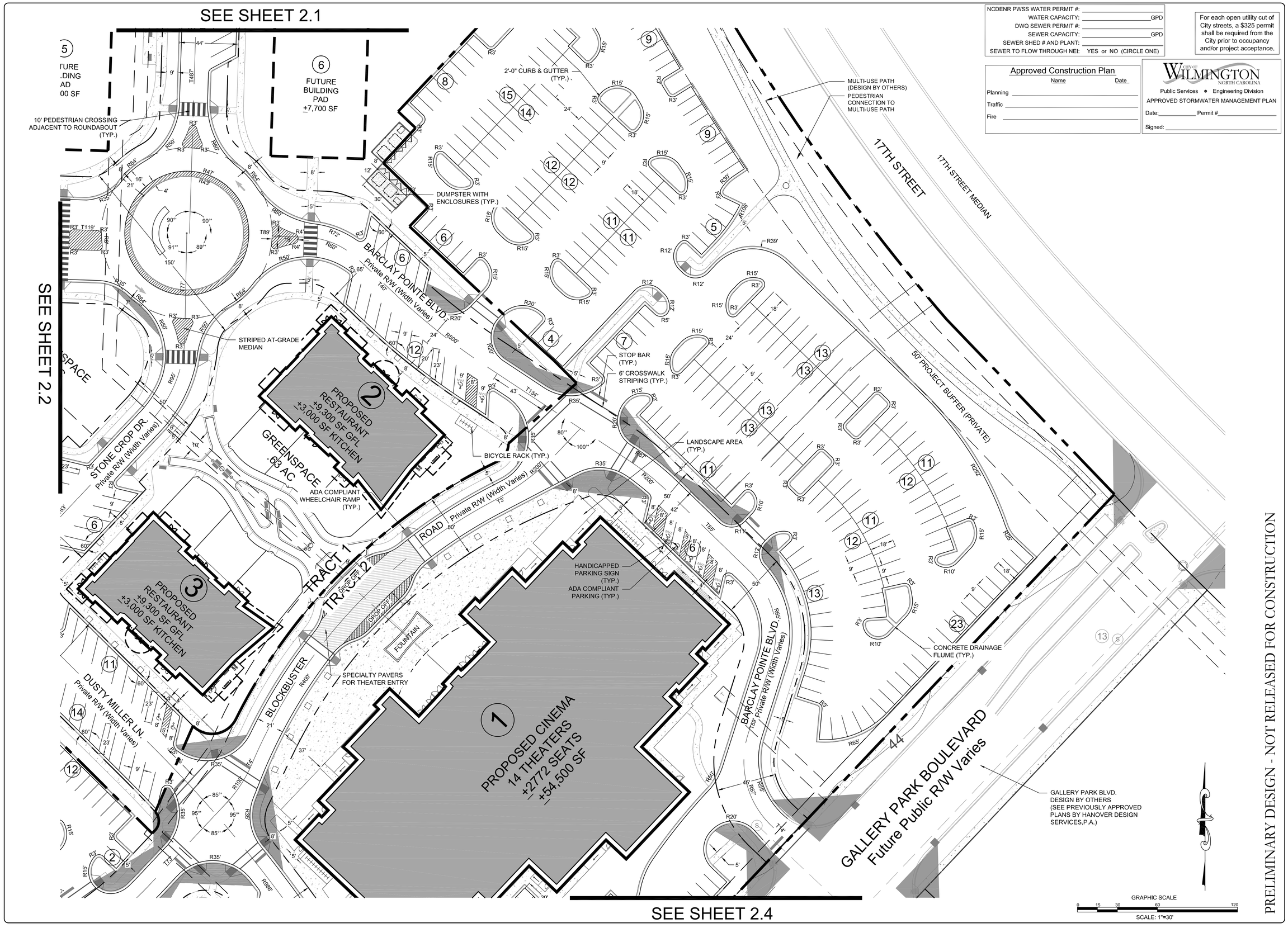
C-2.2

PEI JOB#: 14222.PE



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	Name	Date
Planning		
Traffic		
Fire		

CITY OF WILMINGTON NORTH CAROLINA
Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN
Date: _____ Permit # _____
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FINAL DESIGN:
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DESIGNED: DHW
DRAWN: JCM
CHECKED: AHE

SEAL

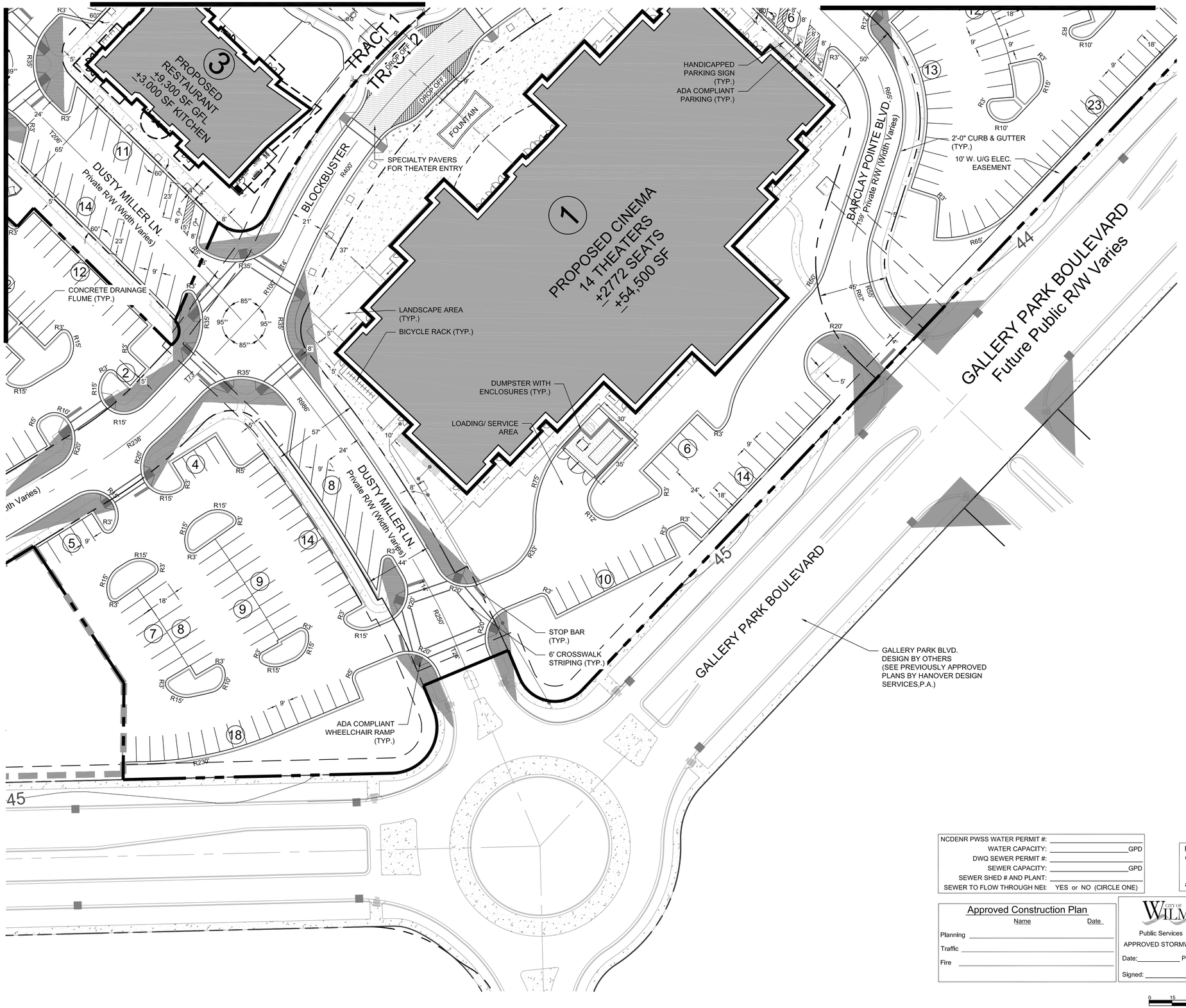
C-2.3

PEI JOB#: 14222.PE

SEE SHEET 2.2

SEE SHEET 2.5

SEE SHEET 2.3



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Approved Construction Plan

	Name	Date
Planning		
Traffic		
Fire		

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

GRAPHIC SCALE
0 15 30 60 120
SCALE: 1"=30'

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REVISIONS:

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SITE PLAN

THE POINTE AT BARCLAY
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NORTH CAROLINA

PROJECT STATUS
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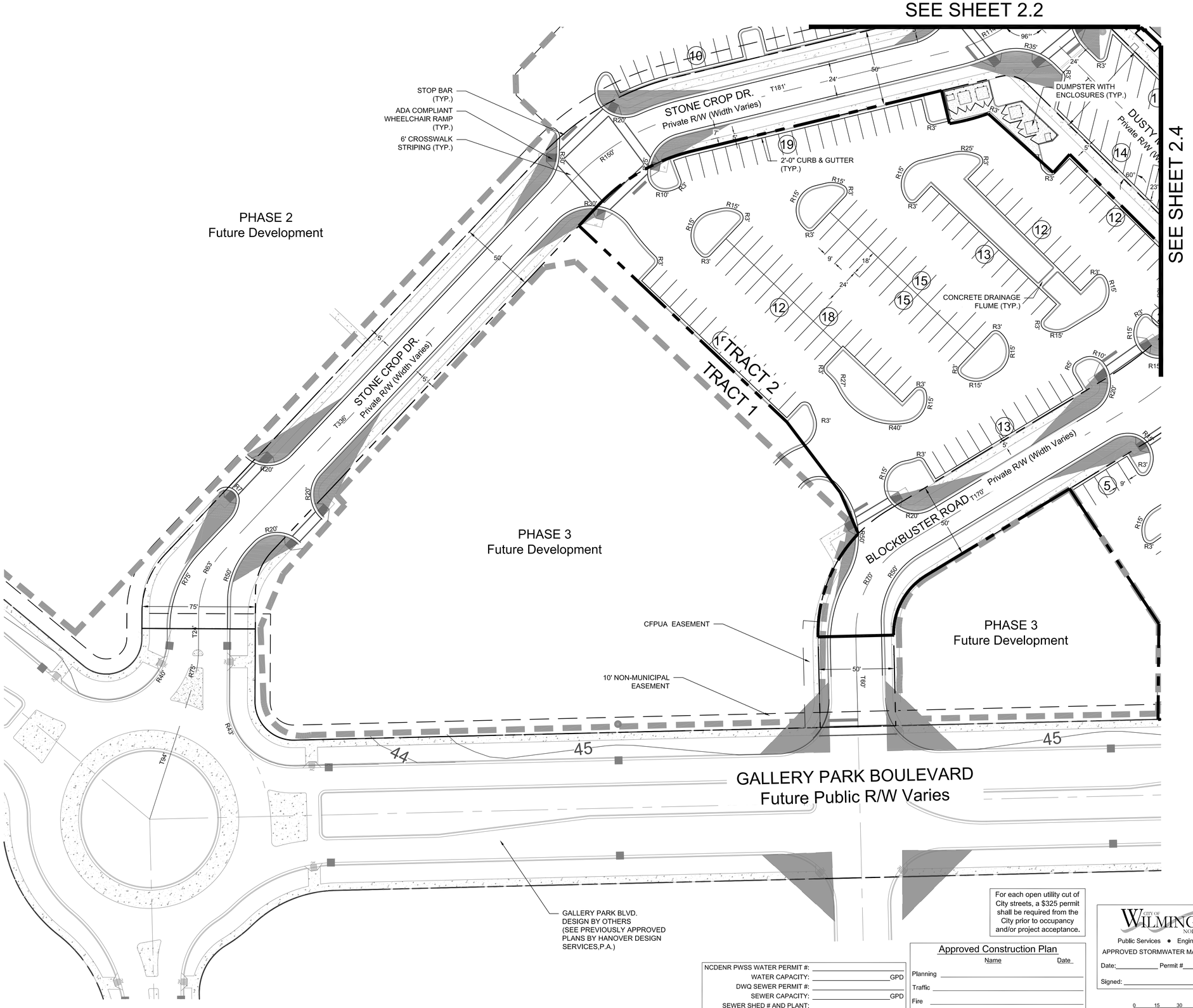
PLANS SUBMITTED:
RELEASED FOR CONST:

DRAWING INFORMATION
SCALE: 1" = 30'
DESIGNED: DMW
DRAWN: AHE
CHECKED:

SEAL

C-2.4

PEI JOB#: 14222.PE



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	Name	Date
Planning		
Traffic		
Fire		

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

GRAPHIC SCALE
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SCALE: 1"=30'

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SITE PLAN

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CITY OF WILMINGTON
NORTH CAROLINA

PROJECT STATUS
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PRELIMINARY LAYOUT:
PERMITTING:
RELEASED FOR CONST:

DRAWING INFORMATION
DATE: 08.14.15
SCALE: 1" = 30'
DESIGNED: DHW
DRAWN BY: JDM
CHECKED: AHE

SEAL

C-2.5

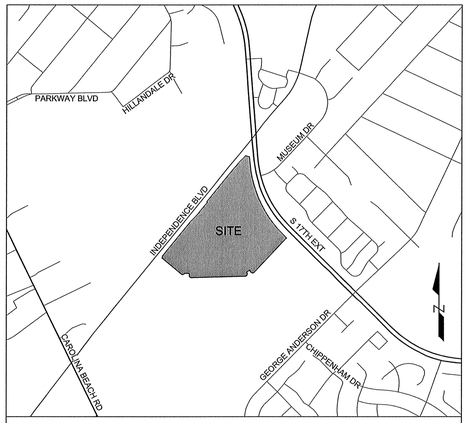
PEI JOB#: 14222.PE

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



VICINITY MAP
SCALE: 1" = 1000'

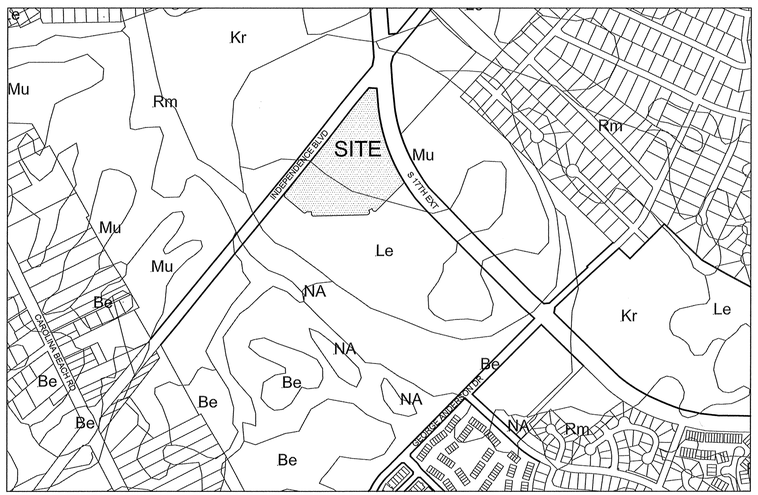
NCDENR PWSS WATER PERMIT #:	
WATER CAPACITY:	GPD
DWQ SEWER PERMIT #:	
SEWER CAPACITY:	GPD
SEWER SHED # AND PLANT:	
SEWER TO FLOW THROUGH NEI:	YES or NO (CIRCLE ONE)

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

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

Approved Construction Plan

	Name	Date
Planning		
Traffic		
Fire		



SOILS MAP
SCALE: 1"=500'

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 DIEPENBROCK
PH: 910-341-3257

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: 910-332-6670

DUKE ENERGY PROGRESS
ATTN: KEVIN LEATHERWOOD
PH: 910-602-4304

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

TIME WARNER CABLE
PH: 910-763-4638

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
5911 Oleander Drive, Suite 201
Wilmington, North Carolina 28403
(910) 791-6707 (O) (910) 791-6760 (F)
NC License #: C-2846
PROJECT # 14222.PE

811 Know what's below. Call before you dig.

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:
1) PER CITY OF WILMINGTON ENGINEERING COMMENTS 11.23.15

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

PARAMOUNTE ENGINEERING
5911 Oleander Drive, Suite 201
Wilmington, North Carolina 28403
(910) 791-6707 (O) (910) 791-6760 (F)
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:
PLAT:
RELEASED FOR CONST:

DRAWING INFORMATION
DATE: 09.14.15
SCALE: AS NOTED
DESIGNED: DJF
DRAWN BY: TGC
CHECKED:

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 040076 11.23.15 ENGINEER DANIEL J. FISK

C-0.0

PEI JOB#: 14222.PE

COORDINATION NOTES:

1. THE CONTRACTOR IS REQUIRED TO OBTAIN ANY/ALL PERMITS REQUIRED FOR CONSTRUCTION OF THESE PLANS.
2. ALL CONSTRUCTION TO BE IN ACCORDANCE WITH PERMITS ISSUED AND WITH THE CITY OF WILMINGTON, NEW HANOVER COUNTY, CAPE FEAR PUBLIC UTILITY AUTHORITY (CFPUA), AND THE STATE OF NORTH CAROLINA.
3. THE CONTRACTOR IS TO ESTABLISH AND CHECK ALL HORIZONTAL AND VERTICAL CONTROLS TO BE USED WITH THE PROJECT. IN ADDITION, THE CONTRACTOR IS TO COMPUTE THE LAYOUT OF THE ENTIRE SITE PLAN IN ADVANCE OF BEGINNING ANY WORK ASSOCIATED WITH THE SUBJECT PLANS. CONTRACTOR SHALL EMPLOY A PROFESSIONAL SURVEYOR TO PERFORM SITE IMPROVEMENT STAKEOUT(S).
4. ANYTIME WORK IS PERFORMED OFF-SITE OR WITHIN AN EXISTING EASEMENT, THE CONTRACTOR IS TO NOTIFY THE HOLDER OF SAID EASEMENT AS TO THE NATURE OF PROPOSED WORK, AND TO FOLLOW ANY GUIDELINES OR STANDARDS WHICH ARE ASSOCIATED WITH OR REFERENCED IN THE RECORDED EASEMENT.
5. CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS BY OTHERS FOR ALL BUILDING DIMENSIONS AND DETAILS.

GENERAL NOTES:

1. TREE INVENTORY AND TOPOGRAPHIC SURVEY COMPLETED BY HANOVER DESIGN SERVICES, P.A. THE SURVEY SHALL BE FIELD VERIFIED BY CONTRACTOR AND ANY DISCREPANCIES REPORTED TO THE OWNER, OWNERS REPRESENTATIVE AND/OR PARAMOUNTE ENGINEERING, INC. IMMEDIATELY.
2. REASONABLE CARE HAS BEEN EXERCISED IN SHOWING THE LOCATION OF EXISTING UTILITIES ON THE PLANS. THE EXACT LOCATION OF ALL EXISTING UTILITIES IS NOT KNOWN IN ALL CASES. THE CONTRACTOR SHALL EXPLORE THE AREA AHEAD OF DITCHING OPERATIONS BY OBSERVATIONS, ELECTRONIC DEVICES, HAND DIGGING AND BY PERSONAL CONTACT WITH THE UTILITY COMPANIES. IN ORDER TO LOCATE EXISTING UTILITIES IN ADVANCE OF TRENCHING OPERATIONS SO AS TO ELIMINATE OR MINIMIZE DAMAGE TO EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS RESULTING FROM ANY DAMAGE TO THE EXISTING UTILITY LINES INCLUDING LOSS OF UTILITY REVENUES. CONTRACTOR SHALL ARRANGE FOR TEMPORARY SUPPORT OF EXISTING UTILITIES, SUCH AS POLES, CONDUITS, FIBER OPTIC CABLES, TELEPHONE CABLES, WATER LINES, ETC.
3. CONTRACTOR SHALL COMPLY WITH THE LATEST REVISIONS AND INTERPRETATIONS OF THE DEPARTMENT OF LABOR SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION PROMULGATED UNDER THE OCCUPATIONAL SAFETY AND HEALTH ACT.
4. CONTRACTOR SHALL PLAN AND CONSTRUCT WORK SO AS TO CAUSE MINIMUM INCONVENIENCE TO THE OWNER AND THE PUBLIC. THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN AT ALL TIMES DURING THE PROGRESS OR TEMPORARY SUSPENSION OF WORK, SUITABLE BARRIERS, FENCES, SIGNS OR OTHER ADEQUATE PROTECTION, INCLUDING FLAGMEN AND WATCHMEN AS NECESSARY TO INSURE THE SAFETY OF THE PUBLIC AS WELL AS THOSE ENGAGED IN THE CONSTRUCTION WORK. CONSTRUCTION SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF "CONSTRUCTION AND MAINTENANCE OPERATIONS SUPPLEMENT TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" BY THE DOT.
5. ALL MATERIAL CLEARED OR DEMOLISHED BY THE CONTRACTOR IN ORDER TO CONSTRUCT THE WORK SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE PROPERLY DISPOSED OF OFF-SITE.
6. ALL WORK BY THE CONTRACTOR SHALL BE WARRANTEED BY THE CONTRACTOR FOR A PERIOD OF ONE YEAR AFTER THE OWNER ACCEPTS THE WORK.
7. CONTRACTOR SHALL CALL THE NORTH CAROLINA ONE-CALL CENTER AT 1 (800) 632-4949 AN ALLOW THE CENTER TO LOCATE EXISTING UTILITIES BEFORE DIGGING.

DEMOLITION NOTES:

1. CONTRACTOR TO COORDINATE WITH THE OWNER TO PROPERLY MAINTAIN OR RELOCATE EXISTING SERVICE CONNECTIONS WHEN NECESSARY.
2. CONTRACTOR IS TO WALK THE SITE AND BECOME FAMILIAR WITH THE SCOPE OF DEMOLITION REQUIRED. ALL DEMOLITION WORK REQUIRED TO CONSTRUCT NEW SITE IMPROVEMENTS WILL BE PERFORMED BY THE CONTRACTOR AND WILL BE CONSIDERED UNCLASSIFIED EXCAVATION.
3. DEMOLITION SHALL INCLUDE BUT IS NOT LIMITED TO THE EXCAVATION, HAULING AND OFFSITE DISPOSAL OF CONCRETE PADS, CONCRETE DITCHES, FOUNDATIONS, SLABS, STEPS, AND STRUCTURES; ABANDONED UTILITIES, BUILDINGS, PAVEMENTS AND ALL MATERIALS CLEARED AND STRIPPED TO THE EXTENT NECESSARY AS DIRECTED BY THE SOILS ENGINEER FOR THE INSTALLATION OF THE NEW IMPROVEMENTS AND WITHIN THE LIMITS OF CLEARING AND GRADING AND AS SHOWN ON THESE PLANS.
4. THE CONTRACTOR SHALL PROTECT ALL ADJACENT PROPERTY, STRUCTURES AND UTILITIES ON THE PROPERTY NOT TO BE DEMOLISHED. DAMAGE TO PROPERTIES OF OTHERS DUE TO THE CONTRACTOR'S ACTIVITIES SHALL BE REPLACED IN KIND BY THE CONTRACTOR AT NO COST TO OWNER.
5. ELECTRIC, TELEPHONE, SANITARY SEWER, WATER AND STORM SEWER UTILITIES THAT SERVICE OFF-SITE PROPERTIES SHALL BE MAINTAINED DURING THE CONSTRUCTION PROCESS BY THE CONTRACTOR.
6. THE CONTRACTOR SHALL PRODUCE A PHOTOGRAPHIC RECORD (DIGITAL) OF DEVELOPMENT COMMENCING WITH A RECORD OF THE SITE AS IT APPEARS BEFORE DEMOLITION HAS BEGUN. AFTERWARDS, A PHOTOGRAPHIC RECORD SHALL BE MAINTAINED WEEKLY DURING CONSTRUCTION AND ENDING WITH A PHOTOGRAPHIC RECORD OF THE DEVELOPMENT AS IT APPEARS AFTER DEMOLITION. THIS RECORD SHALL BE DELIVERED TO THE OWNER.
7. EXISTING CURB AND GUTTER, LIGHTS, SIDEWALK, AND UTILITIES NOT INTENDED FOR DEMOLITION SHALL BE MAINTAINED, PROTECTED AND UNDISTURBED DURING DEMOLITION.
8. ALL EXISTING IMPROVEMENTS INDICATED OR REQUIRED TO BE DEMOLISHED SHALL INCLUDE REMOVAL FROM THE PROPERTY AND PROPER DISPOSAL.
9. CONTRACTOR SHALL COORDINATE RELOCATION OF ALL EXISTING OVERHEAD AND UNDERGROUND UTILITIES INCLUDING CABLE, GAS, TELEPHONE AND ELECTRIC AND ANY OTHER UTILITIES THROUGH THE SITE WITH THE RESPECTIVE COMPANIES.
10. PROVIDE SMOOTH SAW CUT OF EXISTING PAVEMENTS, CURBS AND GUTTERS AND SIDEWALKS TO BE DEMOLISHED.
11. ALL DEMOLITION WORK SHALL BE DONE IN STRICT ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS AS WELL AS OSHA REGULATIONS.
12. EXISTING FIRE HYDRANTS ON OR NEAR THE SITE ARE TO REMAIN IN SERVICE.
13. INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS, BUT THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATIONS OF THE MAINS BY DIGGING TEST PITS BY HAND.

TRAFFIC NOTES:

1. ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY & FOR DRIVEWAY(S) ARE TO BE THERMOPLASTIC & MEET CITY AND/OR NCDOT STANDARDS.
2. 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.
3. ALL TRAFFIC CONTROL SIGNS AND MARKINGS NOT WITHIN THE PUBLIC RIGHT-OF-WAY ARE TO BE MAINTAINED BY THE PROPERTY OWNER IN ACCORDANCE WITH MUTCD STANDARDS.
4. ALL PARKING STALL MARKINGS AND LANE ARROWS WITHIN THE PARKING AREAS SHALL BE WHITE.
5. ANY OPEN CUTTING OF A CITY STREET REQUIRES A UTILITY CUT PERMIT. CONTACT 341-5888 FOR MORE DETAILS. IN CERTAIN CASES, AN ENTIRE RESURFACING OF THE AREA BEING OPEN CUT MAY BE REQUIRED.
6. CONTACT TRAFFIC ENGINEERING, AT 341-7888 TO ENSURE THAT ALL TRAFFIC SIGNAL FACILITIES AND EQUIPMENT ARE SHOWN ON THE PLAN. CALL TRAFFIC ENGINEERING FORTY-EIGHT (48) HOURS PRIOR TO ANY EXCAVATION IN THE R/W.
7. ANY BROKEN OR MISSING SIDEWALK PANELS, DRIVEWAY PANELS AND/OR CURBING SHALL BE REPLACED.
8. TACTILE WARNING MATS TO BE INSTALLED AT ALL WHEELCHAIR RAMPS.
9. A LANDSCAPING PLAN, INDICATING THE LOCATION OF REQUIRED STREET- YARD PLANTINGS SHALL BE PROVIDED FOR REVIEW OF SIGHT DISTANCES AND ANY OTHER REQUIREMENTS OF TRAFFIC ENGINEERING.
10. ALL SIGNS AND PAVEMENT MARKINGS IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD STANDARDS.

EROSION CONTROL AND SEQUENCE OF CONSTRUCTION NOTES:

NOTE: THESE EROSION CONTROL AND SEQUENCE OF CONSTRUCTION NOTES ARE INTENDED FOR EACH "PHASE" OF CONSTRUCTION. THE ORDER AND STEPS TAKEN MUST BE IMPLEMENTED AS EACH PART OF THE PROJECT IS DEVELOPED; WHETHER AS A WHOLE OR IN PHASES. ANY EROSION CONTROL DEVICES/MEASURES MUST REMAIN IN PLACE UNTIL THE ENTIRE BASIN DESIGNED TO HANDLE SEDIMENTATION AND EROSION IS STABILIZED AND ALL IMPROVEMENTS WITHIN THE BASIN ARE COMPLETE.

1. CONSTRUCT TEMPORARY GRAVEL CONSTRUCTION ENTRANCE(S), ESTABLISH THE LIMITS OF DISTURBANCE, AND TEMPORARY SILT FENCE.
2. CONSTRUCT TEMPORARY SEDIMENT BASINS AND ASSOCIATED SKIMMER, OUTLET PIPE, SPILLWAY, ETC.
3. CONSTRUCT TEMPORARY DIVERSION DITCHES.
4. CLEAR AND REMOVE FROM SITE ALL TREES (ONLY ONES TO BE REMOVED), ROOTS, ROOT MAT, ETC. FROM THE AREA WITHIN THE DESIGNATED CLEARING LIMITS.
5. INSTALL REMAINING EROSION CONTROL MEASURES AS SHOWN ON THE PLANS WITHIN THE AREA DISTURBED. ALL EROSION CONTROL MEASURES MUST BE INSTALLED BEFORE COMMENCING CONSTRUCTION.
6. PLANT GRASS OVER ALL GRADED AREAS WITHIN 14 WORKING DAYS OF CEASE OF ANY GRADING ACTIVITY.
7. IMMEDIATELY UPON THE INSTALLATION OF ANY STORM DRAINAGE CATCH BASIN, DROP INLET, ETC., THE CONTRACTOR SHALL INSTALL INLET PROTECTION TO STOP ANY SEDIMENT FROM ENTERING THE DRAINAGE SYSTEM.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING AND RESTORING TO PRE-CONSTRUTION CONDITIONS ANY AREAS OUTSIDE THE PROJECT LIMITS THAT MAY INADVERTENTLY BE DAMAGED DUE TO THE FAILURE OF THE EROSION CONTROL MEASURES.
9. DURING GRADING AND AFTER GRADING HAS BEEN COMPLETED, THE CONTRACTOR SHALL CONTINUE TO MAINTAIN PERMANENT AND TEMPORARY EROSION CONTROL MEASURES UNTIL FINAL APPROVAL.
10. UPON RECEIVING FINAL APPROVAL, THE CONTRACTOR CAN REMOVE TEMPORARY EROSION CONTROL MEASURES.
11. THE CONTRACTOR SHALL CONTINUE TO WATER, FERTILIZE, MOW AND MAINTAIN SPRIGGED, SODDED, AND PLANTED AREAS UNTIL ALL CONSTRUCTION IS COMPLETE.

GENERAL EROSION AND SEDIMENT CONTROL NOTES:

1. THE EROSION CONTROL PLAN SHALL INCLUDE PROVISIONS FOR GROUNDCOVER ON ALL EXPOSED PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3:1 WITHIN 7 CALENDAR DAYS FROM THE LAST LAND DISTURBING ACTIVITY. GROUND COVER SHALL BE PROVIDED ON ALL OTHER DISTURBED AREAS WITHIN 14 CALENDAR DAYS FROM THE LAST LAND DISTURBING ACTIVITY.
2. UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE NORTH CAROLINA EROSION AND SEDIMENT CONTROL HANDBOOK. (NO SEPARATE PAYMENT).
3. THE CONTRACTOR SHALL NOTIFY PLAN APPROVING AUTHORITY ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITY, AND ONE WEEK PRIOR TO FINAL INSPECTION.
4. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO CLEARING AND/OR LAND DISTURBANCE.
5. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN AND PERMIT SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
6. PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING, BUT NOT LIMITED TO OFF-SITE BORROW OR WASTE AREAS STAGING OR STORAGE AREAS), THE CONTRACTOR SHALL PREPARE AND SUBMIT A SUPPLEMENTARY EROSION CONTROL PLAN TO THE OWNER FOR REVIEW AND TO NEW HANOVER COUNTY FOR APPROVAL. CONTRACTOR SHALL PAY ALL FEES REQUIRED AND SHALL INSTALL NECESSARY MEASURES AT NO SEPARATE PAYMENT. THE CONTRACTOR SHALL PROVIDE THE OWNER AND THE ENGINEER A COPY OF THE AMENDED PERMIT.
7. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY EITHER THE REVIEWING AGENCY OR THE ENGINEER. (NO SEPARATE PAYMENT).
8. ALL DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASURES AT ALL TIMES DURING LAND DISTURBING ACTIVITIES AND DURING SITE DEVELOPMENT UNTIL FINAL STABILIZATION IS ACHIEVED.
9. ALL AREAS DISTURBED BY CONSTRUCTION UNLESS OTHERWISE IMPROVED SHALL BE SODDED OR SEEDED AS INDICATED AND STABILIZED.
10. DURING DEWATERING OPERATIONS, WATER SHALL BE PUMPED INTO AN APPROVED FILTERING DEVICE PRIOR TO DISCHARGE TO RECEIVING OUTLET.

GENERAL EROSION AND SEDIMENT CONTROL NOTES (CONT.):

11. THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUNOFF-PRODUCING EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY.
12. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED BY CONTRACTOR ONCE STABILIZATION OR A SUFFICIENT GROUND COVER HAS BEEN ESTABLISHED OR AS DIRECTED BY THE ENGINEER. (NO SEPARATE PAYMENT). NCDENR'S FINAL APPROVAL IS REQUIRED.
13. TEMPORARY GRAVEL CONSTRUCTION ENTRANCE SHALL BE REQUIRED AT ALL CONSTRUCTION STAGING AREA ENTRANCES AND ALL CONSTRUCTION ACCESS LOCATIONS INTO NON-PAVED AREA. (NO SEPARATE PAYMENT).
14. WHEN CROSSING CREEK OR DRAINAGE-WAY, THE DIVISION OF WATER QUALITY SHALL BE CONTACTED PRIOR TO DISTURBING A CREEK. THE CONTRACTOR SHALL INSTALL RIP-RAP WITH FABRIC ALONG DISTURBED BANKS AND CHANNEL AND RESTORE SLOPES TO ORIGINAL CONTOURS, BUT NOT STEEPER THAN 2:1 MAXIMUM. DISTURBED CREEK AREA SHALL BE STABILIZED IMMEDIATELY.

MAINTENANCE PLAN:

1. ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF-PRODUCING RAINFALL BUT IN NO CASE LESS THAN ONCE EVERY WEEK. ANY NEEDED REPAIRS WILL BE MADE IMMEDIATELY TO MAINTAIN ALL PRACTICES AS DESIGNED.
2. ALL CONSTRUCTION ENTRANCES WILL BE PERIODICALLY TOP DRESSED WITH AN ADDITIONAL 2 INCHES OF #4 STONE TO MAINTAIN PROPER DEPTH. ANY SEDIMENT THAT IS TRACKED INTO THE STREET WILL BE IMMEDIATELY REMOVED.
3. SEDIMENT WILL BE REMOVED BEHIND THE SEDIMENT FENCE WHEN IT BECOMES 0.5 FEET DEEP AT THE FENCE. THE SEDIMENT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER. SILT FENCE STAKES WILL BE SPACED 6 FEET APART UNLESS A WIRE BACKING IS USED WITH 8 FOOT STAKE SPACING.
4. ALL SEEDED AREAS WILL BE FERTILIZED, RESEEDED AS NECESSARY, AND MULCHED ACCORDING TO SPECIFICATIONS IN THE VEGETATIVE PLAN TO MAINTAIN A VIGOROUS, DENSE VEGETATIVE COVER.
5. INLET PROTECTION - INSPECT INLETS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (½ INCH OR GREATER) RAINFALL EVENT. CLEAR THE MESH WIRE OF ANY DEBRIS OR OTHER OBJECTS TO PROVIDE ADEQUATE FLOW FOR SUBSEQUENT RAINS. TAKE CARE NOT TO DAMAGE OR UNDERCUT THE WIRE MESH DURING SEDIMENT REMOVAL. REPLACE STONE AS NEEDED.
6. SEDIMENT BASIN/SEDIMENT TRAPS - REMOVE SEDIMENT AND RESTORE THE BASIN TO ITS ORIGINAL DIMENSIONS WHEN IT ACCUMULATES TO WITHIN ONE HALF OF THE DESIGN DEPTH. PLACE SEDIMENT IN AREA WITH SEDIMENT CONTROLS. CHECK THE EMBANKMENT, SPILLWAYS, AND OUTLET FOR EROSION DAMAGE, PIPING, AND SETTLEMENT. MAKE ALL NECESSARY REPAIRS IMMEDIATELY. REMOVE ALL TRASH AND OTHER DEBRIS FROM THE RISER AND POOL AREA.
7. SKIMMER - INSPECT SKIMMER AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL TO MAKE SURE THAT THE INTAKE MECHANISM, ORIFICE, OR DISCHARGE PIPE IS NOT CLOGGED WITH TRASH OR SEDIMENT. IF THE BASIN IS DRY, MAKE SURE THAT ANY VEGETATION GROWING ON THE BOTTOM IS NOT HOLDING THE SKIMMER DOWN. TAKE SPECIAL PRECAUTION IN WINTER TO PREVENT THE SKIMMER FROM PLUGGING WITH ICE.
8. OUTLET PROTECTION - INSPECT RIP RAP OUTLET STRUCTURES WEEKLY AND AFTER SIGNIFICANT (½ INCH OR GREATER) RAINFALL EVENTS TO SEE IF ANY EROSION AROUND OR BELOW THE RIP RAP HAS TAKEN PLACE, OR IF STONES HAVE BEEN DISLODGED. IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE.
9. EMERGENCY SPILLWAY / FOREBAY PROTECTION - AFTER EVERY HIGH-WATER EVENT INSPECT THE INTEGRITY OF THE LINED SPILLWAY AND THE ADJACENT EARTHEN BANKS. IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE. REPAIR ANY VOIDS IN THE RIP RAP LINED APRONS. RE-ESTABLISH ANY LOOSE STONES, AND FIX GAPS IN THE ADJACENT VEGETATIVE COVER.
10. GRASS SWALES - INSPECT SWALES WEEKLY AND AFTER EVERY RAINFALL EVENT. AFTER GRASS HAS BEEN ESTABLISHED INSPECT THE SWALES PERIODICALLY AND AFTER EVERY HEAVY (½ INCH OR GREATER) RAINFALL EVENT AND REPAIR IMMEDIATELY. INSPECT THE CHANNEL OUTLET AND ALL ROAD CROSSINGS FOR BANK STABILITY AND EVIDENCE OF PIPING OR SCOUR HOLES. REMOVE ALL SIGNIFICANT SEDIMENT ACCUMULATIONS TO MAINTAIN THE DESIGNED CARRYING CAPACITY. KEEP THE GRASS IN A HEALTHY, VIGOROUS CONDITION AT ALL TIMES, SINCE IT IS THE PRIMARY EROSION PROTECTION FOR THE CHANNEL.

PERMANENT SEEDING SCHEDULE - MIXTURE 5CP

Seeding Mixture

SPECIES	RATE (LB/ACRE)
CENTIPEDE GRASS	10-20

Seeding Dates
MARCH - JUNE

Soil Amendments
APPLY LIME AND FERTILIZER ACCORDING TO SOIL TESTS, OR APPLY 300 LB/ACRE 10-10-10 FERTILIZER.

Mulch
DO NOT MULCH.

Maintenance
FERTILIZE VERY SPARINGLY--20 LB/ACRE NITROGEN IN SPRING WITH NO PHOSPHORUS. CENTIPEDE GRASS CANNOT TOLERATE HIGH PH OR EXCESS FERTILIZER.

TEMPORARY SEEDING-LATE WINTER/EARLY SPRING

Seeding Mixture

WINTER AND EARLY SPRING

SPECIES	RATE (LB/ACRE)
RYE (GRAIN)	120
ANNUAL LESPEDEZA (KOBE IN PIEDMONT AND COASTAL PLAIN, KOREAN IN MOUNTAINS)	50

OMIT ANNUAL LESPEDEZA WHEN DURATION OF TEMPORARY COVER IS NOT TO EXTEND BEYOND JUNE.

SUMMER

SPECIES	RATE (LB/ACRE)
GERMAN MILLET	40

FALL

SPECIES	RATE (LB/ACRE)
RYE (GRAIN)	120

Seeding dates
COASTAL PLAIN - DEC.1-APR. 15 - LATE WINTER AND EARLY SPRING
APRIL 15 - AUG. 15 - SUMMER
AUG. 15 - DEC. 30 - FALL

Soil amendments
FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 750 LB/ACRE 10-10-10 FERTILIZER.

Mulch
APPLY 4,000 LB/ACRE STRAW. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

Maintenance
REFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, REFERTILIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

SITE NOTES :

1. ANY DISCREPANCY IN THIS PLAN AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER PRIOR TO START OF CONSTRUCTION. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL SETBACKS, EASEMENTS AND DIMENSIONS SHOWN HEREON BEFORE BEGINNING CONSTRUCTION.
2. CONTRACTOR SHALL MAINTAIN THE SITE IN A MANNER SO THAT WORKMEN AND PUBLIC SHALL BE PROTECTED FROM INJURY, AND ADJOINING PROPERTY PROTECTED FROM DAMAGE.
3. ACCESS TO UTILITIES, FIRE HYDRANTS, STREET LIGHTING, ETC., SHALL REMAIN UNDISTURBED, UNLESS COORDINATED WITH THE RESPECTIVE UTILITY.
4. DO NOT SCALE THIS DRAWING AS IT IS A REPRODUCTION AND SUBJECT TO DISTORTION.
5. THE GENERAL CONTRACTOR SHALL REMOVE ALL DEBRIS FROM THE SITE UPON COMPLETION OF THE PROJECT AND AT LEAST ONCE A WEEK DURING CONSTRUCTION.
6. THE GENERAL CONTRACTOR SHALL KEEP THE AREA OUTSIDE THE "CONSTRUCTION LIMITS" BROOM CLEAN AT ALL TIMES.
7. ALL UTILITIES TO SERVICE PROPOSED STRUCTURE SHALL BE UNDERGROUND ON SITE.
8. ALL STREET SURFACES, DRIVEWAYS, CULVERTS, CURB AND GUTTERS, ROADSIDE DRAINAGE DITCHES AND OTHER STRUCTURES THAT ARE DISTURBED OR DAMAGED IN ANY MANNER AS A RESULT OF CONSTRUCTION SHALL BE REPLACED OR REPAIRED IN ACCORDANCE WITH THE SPECIFICATIONS.
9. CONTRACTOR SHALL MAINTAIN AN "AS-BUILT" SET OF DRAWINGS TO RECORD THE EXACT LOCATION OF ALL PIPING PRIOR TO CONCEALMENT. DRAWINGS SHALL BE GIVEN TO THE OWNER UPON COMPLETION OF THE PROJECT WITH A COPY OF THE TRANSMITTAL LETTER TO THE ENGINEER.
10. IF DEPARTURES FROM THE SPECIFICATIONS OR DRAWINGS ARE DEEMED NECESSARY BY THE CONTRACTOR, DETAILS OF SUCH DEPARTURES AND REASONS THEREOF SHALL BE GIVEN TO THE OWNER FOR REVIEW, NO DEPARTURES FROM THE CONTRACT DOCUMENT SHALL BE MADE WITHOUT THE PERMISSION OF THE OWNER, THE CITY OF WILMINGTON, NEW HANOVER COUNTY, OR CFPUA, RESPECTIVELY.
11. CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES. THE LOCATION OF ALL EXISTING UTILITIES ARE NOT NECESSARILY SHOWN ON PLANS AND WHERE SHOWN ARE ONLY APPROXIMATE. THE CONTRACTOR SHALL ON HIS INITIATIVE AND AT NO EXTRA COST HAVE LOCATED ALL UNDERGROUND LINES AND STRUCTURES AS NECESSARY. NO CLAIMS FOR DAMAGES OR EXTRA COMPENSATION SHALL ACCRUE TO THE CONTRACTOR FROM THE PRESENCE OF SUCH PIPE OTHER OBSTRUCTIONS OR FROM DELAY DUE TO REMOVAL OR REARRANGEMENT OF THE SAME. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO UNDERGROUND STRUCTURES. CONTACT NORTH CAROLINA ONE CALL" TOLL FREE 1-800-632-4949 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL NONSUBSCRIBING UTILITIES.
12. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL INSPECTIONS, CERTIFICATIONS, EQUIPMENT, ETC., THAT MAY BE REQUIRED.
13. THE ENGINEER AND/OR OWNER DISCLAIM ANY ROLE IN THE CONSTRUCTION MEANS AND METHODS ASSOCIATED WITH THE PROJECT AS SET FORTH IN THESE PLANS.
14. ALL LOT STRIPING AND DIRECTIONAL ARROWS TO BE REFLECTIVE MARKINGS AND SHALL CONFORM TO NCDOT. ALL PARKING STALL MARKINGS AND LANE ARROWS WITHIN THE PARKING AREAS SHALL BE WHITE.
15. ALL PARKING LOT DIMENSIONS ARE FROM FACE OF CURB UNLESS NOTED OTHERWISE.
16. LANDSCAPE PLANTINGS AT ENTRANCE/ EXITS WILL BE INSTALLED AND MAINTAINED SO AS NOT TO INTERFERE WITH SIGHT DISTANCE NEEDS OF DRIVERS IN THE PARKING AREA AND AT ENTRANCE/EXIT LOCATIONS PER LOCAL STANDARDS.
17. SEEDING TO BE INSTALLED TO LOCAL REQUIREMENTS & STANDARD PRACTICES.
18. ALL DIMENSIONS AND RADII ARE TO OUTSIDE FACE OF BUILDING OR TO FACE OF CURB UNLESS OTHERWISE NOTED.

NC ACCESSIBILITY NOTES:

GENERAL NOTES:

1. SPECIAL ATTENTION SHALL BE GIVEN TO COMPLIANCE WITH AMERICANS WITH DISABILITIES ACT (2010 ADA STANDARDS), THE NORTH CAROLINA BUILDING CODE/ANSI A117.1, AND APPLICABLE LOCAL LAWS & REGULATIONS.
2. IT IS ESSENTIAL THAT CONTRACTORS ARE AWARE OF THE SITE ACCESSIBILITY REQUIREMENTS. PARAMOUNTE ENGINEERING HAS DEVELOPED THESE NOTES AND DETAILS TO ASSURE THAT CONTRACTORS ARE AWARE OF THE REQUIREMENTS AT THE POINT IN TIME WHEN THEYARE BIDDING THE PROJECT. IN ADDITION, PARAMOUNTE ENGINEERING HAS MADE A POINT IN THESE NOTES AND DETAILS, AS WELL AS IN OUR DRAWINGS, TO PROVIDE SLOPES / GRADES AND DIMENSIONS THAT COMPLY WITH THE AMERICANS WITH DISABILITIES ACT (2010 ADA STANDARDS), THE NORTH CAROLINA BUILDING CODE/ANSI A117.1 AND APPLICABLE LOCAL LAWS & REGULATIONS. IF THESE SLOPES / GRADES AND DIMENSIONS ARE NOT ACHIEVABLE, THE CONTRACTOR IS REQUIRED TO CONTACT THE OWNER IMMEDIATELY AND BEFORE MOVING FORWARD WITH THE WORK.
3. THE CONTRACTOR SHALL NOTIFY PARAMOUNTE ENGINEERING IMMEDIATELY OF ANY CONFLICT BETWEEN THESE NOTES AND DETAILS AND OTHER PROJECT DRAWINGS, WHETHER BY PARAMOUNTE ENGINEERING OR OTHERS. THE CONTRACTOR SHALL NOT PROCEED WITH THE WORK FOR WHICH THE ALLEGED CONFLICT HAS BEEN DISCOVERED UNTIL SUCH ALLEGED CONFLICT HAS BEEN RESOLVED. NO CLAIM SHALL BE MADE BY THE CONTRACTOR FOR DELAY OR DAMAGES AS A RESULT OF RESOLUTION OF ANY SUCH CONFLICT(S).
4. THESE ACCESSIBILITY NOTES AND DETAILS ARE INTENDED TO DEPICT SLOPE AND DIMENSIONAL REQUIREMENTS ONLY. REFER TO SIDEWALK, CURBING, AND PAVEMENT DETAILS FOR ADDITIONAL INFORMATION.

ACCESSIBLE ROUTE NOTES:

1. AT LEAST ONE ACCESSIBLE ROUTE SHALL BE PROVIDED WITHIN THE SITE FROM ACCESSIBLE PARKING SPACES AND ACCESSIBLE PASSENGER LOADING ZONES; PUBLIC STREETS OR SIDEWALKS; AND PUBLIC TRANSPORTATION STOPS TO THE ACCESSIBLE BUILDING OR FACILITY ENTRANCE THEY SERVE.
2. AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT ACCESSIBLE BUILDINGS, ACCESSIBLE FACILITIES, ACCESSIBLE ELEMENTS, AND ACCESSIBLE SPACES THAT ARE ON THE SAME SITE.
3. WALKING SURFACES THAT ARE PART OF AN ACCESSIBLE ROUTE SHALL HAVE A MAXIMUM RUNNING SLOPE OF 5.0% AND A MAXIMUM CROSS SLOPE OF 2.0%.
4. ANY WALKING SURFACE THAT IS PART OF AN ACCESSIBLE ROUTE WITH A RUNNING SLOPE GREATER THAN 5.0% IS A RAMP AND SHALL COMPLY WITH THE GUIDELINES FOR RAMPS OR CURB RAMPS.
5. TRANSITIONS BETWEEN RAMPS, WALKS, LANDINGS, GUTTERS OR STREETS SHALL BE FLUSHAND FREE OF ABRUPT VERTICAL CHANGES (1/4 INCH MAXIMUM VERTICAL CHANGE IN LEVEL PERMITTED).
6. FLOOR SURFACES SHALL BE STABLE, FIRM AND SLIP RESISTANT.
7. THE MINIMUM CLEAR WIDTH OF EXTERIOR ACCESSIBLE ROUTES SHALL BE FORTY-EIGHT (48) INCHES MINIMUM MEASURED BETWEEN HANDRAILS WHERE HANDRAILS ARE PROVIDED (NC BUILDING CODE 1104.1 & 1104.2).
8. WHERE AN ACCESSIBLE ROUTE MAKES A 180 DEGREE TURN AROUND AN OBJECT THAT IS LESS THAN FORTY-EIGHT (48) INCHES IN WIDTH, CLEAR WIDTH SHALL BE FORTY-TWO (42) INCHES MINIMUM APPROACHING THE TURN, FORTY-EIGHT (48) INCHES MINIMUM DURING THE TURN, AND FORTY-TWO (42) INCHES MINIMUM LEAVING THE TURN. THE CLEAR WIDTH APPROACHING AND LEAVING THE TURN MAY BE THIRTY-SIX (36) INCHES MINIMUM WHEN THE CLEAR WIDTH AT THE TURN IS SIXTY (60) INCHES MINIMUM. .* SEE NOTE 7 ABOVE FOR NC CLEAR WIDTH OF EXTERIOR ACCESSIBLE ROUTES*
9. AN ACCESSIBLE ROUTE WITH A CLEAR WIDTH LESS THAN SIXTY (60) INCHES SHALLPROVIDE PASSING SPACES AT INTERVALS OF TWO HUNDRED (200) FEET MAXIMUM. PASSING SPACES SHALL BE EITHER A SIXTY (60) INCH MINIMUM BY SIXTY (60) INCH MINIMUM SPACE; OR AN INTERSECTION OF TWO (2) WALKING SURFACES THAT PROVIDE A COMPLIANT T-SHAPED TURNING SPACE, PROVIDED THE BASE AND ARMS OF THE T-SHAPED SPACE EXTEND FORTY-EIGHT (48) INCHES MINIMUM BEYOND THE INTERSECTION.
10. DOORS, DOORWAYS AND GATES THAT ARE PART OF AN ACCESSIBLE ROUTE SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT (2010 ADA STANDARDS), THE NORTH CAROLINA BUILDING CODE/ ANSI A117.1, AND APPLICABLE LOCAL LAWS & REGULATIONS.
11. DIRECTIONAL SIGNAGE INDICATING THE ROUTE TO THE NEAREST ACCESSIBLE BUILDING ENTRANCE SHALL BE PROVIDED AT INACCESSIBLE BUILDING ENTRANCES.
12. WHERE POSSIBLE, DRAINAGE INLETS SHALL NOT BE LOCATED ON AN ACCESSIBLE ROUTE. IN THE EVENT THAT A DRAINAGE INLET MUST BE LOCATED ON AN ACCESSIBLE ROUTE, THE GRATE SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT (2010 ADA STANDARDS), A117.1, THE NC BUILDING CODE, AND APPLICABLE LOCAL LAWS & REGULATIONS

RAMP NOTES:

1. ANY PART OF AN ACCESSIBLE ROUTE WITH A RUNNING SLOPE GREATER THAN 5% SHALL BE CONSIDERED A RAMP.
2. THE MAXIMUM RUNNING SLOPE FOR A RAMP SHALL BE 8.33% AND THE MAXIMUM CROSS SLOPE SHALL BE 2.0%.
3. THE CLEAR WIDTH OF AN EXTERIOR RAMP RUN SHALL BE FORTY EIGHT INCHES (NC BUILDING CODE 1104.1). WHERE HANDRAILS ARE PROVIDED ON THE RAMP RUN, THE CLEAR WIDTH SHALL BE MEASURED BETWEEN THE HANDRAILS.
4. THE RISE FOR ANY RAMP RUN SHALL BE THIRTY (30) INCHES MAXIMUM.
5. LANDINGS SHALL BE PROVIDED AT THE TOP AND BOTTOM OF RAMPS. LANDINGS SHALL HAVE A SLOPE NOT STEEPER THAN 2.0% IN ANY DIRECTION. THE LANDING CLEAR WIDTH SHALL BE AT LEAST AS WIDE AS THE WIDEST RAMP RUN LEADING TO THE LANDING. THE LANDING CLEAR LENGTH SHALL BE SIXTY (60) INCHES LONG MINIMUM. RAMPS THAT CHANGE DIRECTION BETWEEN RUNS AT LANDINGS SHALL HAVE A CLEAR LANDING OF SIXTY (60) INCHES BY SIXTY (60) INCHES MINIMUM.
6. RAMP RUNS WITH A RISE GREATER THAN SIX (6) INCHES SHALL HAVE HANDRAILS ON BOTH SIDES COMPLYING WITH THE AMERICANS WITH DISABILITIES ACT (2010 ADA STANDARDS), THE NC BUILDING CODE/ANSI A117.1, AND APPLICABLE LOCAL LAWS & REGULATIONS.
7. FLOOR SURFACES OF RAMPS AND LANDINGS SHALL BE STABLE, FIRM AND SLIP RESISTANT.
8. EDGE PROTECTION COMPLYING WITH AMERICANS WITH DISABILITIES ACT (2010 ADA STANDARDS), THE NC BUILDING CODE/ANSI A117.1, AND APPLICABLE LOCAL LAWS & REGULATIONS SHALL BE PROVIDED ON EACH SIDE OF RAMP RUNS AND ON EACH SIDE OF RAMP LANDINGS.
9. WHERE DOORWAYS ARE LOCATED ADJACENT TO A RAMP LANDING, MANEUVERING CLEARANCES REQUIRED BY THE AMERICANS WITH DISABILITIES ACT (2010 ADA STANDARDS), THE NC BUILDING CODE/ANSI A117.1 SHALL BE PERMITTED TO OVERLAP THE REQUIRED LANDING AREA. WHERE DOORS THAT ARE SUBJECT TO LOCKING ARE ADJACENT TO A RAMP LANDING, LANDINGS SHALL BE SIZED TO PROVIDE A COMPLIANT TURNING SPACE.

CURB RAMP NOTES:

1. THE MAXIMUM RUNNING SLOPE OF A CURB RAMP SHALL BE 8.33% AND THE MAXIMUM CROSS SLOPE SHALL BE 2.0%.
2. COUNTER SLOPES OF ADJOINING GUTTERS AND ROAD SURFACES IMMEDIATELY ADJACENT TO THE CURB RAMP SHALL NOT BE STEEPER THAN 5%. THE ADJACENT SURFACES AT TRANSITIONS AT CURB RAMPS TO WALKS, GUTTERS AND STREETS SHALL BE AT THE SAME LEVEL.
3. THE CLEAR WIDTH OF A CURB RAMP SHALL BE 36 INCHES (36) MINIMUM, EXCLUSIVE OF FLARED SIDES, IF PROVIDED. *NOTE NC BUILDING CODE REQUIRES EXTERIOR ACCESSIBLE ROUTES TO BE 48 INCHES MINIMUM WIDE (1104.1 & 1104.2).*
4. LANDINGS SHALL BE PROVIDED AT THE TOP OF CURB RAMPS. THE CLEAR LENGTH OF THE LANDING SHALL BE THIRTY-SIX (36) INCHES MINIMUM. THE CLEAR WIDTH OF THE LANDING SHALL BE AT LEAST AS WIDE AS THE CURB RAMP, EXCLUDING FLARED SIDES, LEADING TO THE LANDING. LANDINGS SHALL HAVE A SLOPE NOT STEEPER THAN 2% IN ANY DIRECTION.
5. IF A CURB RAMP IS LOCATED WHERE PEDESTRIANS MUST WALK ACROSS THE RAMP, OR WHERE IT IS NOT PROTECTED BY HANDRAILS OR GUARDRAILS, IT SHALL HAVE FLARED SIDES.
6. WHERE PROVIDED, CURB RAMP FLARES SHALL NOT EXCEED 10%.
7. CURB RAMPS AND THE FLARED SIDES OF CURB RAMPS SHALL BE LOCATED SO THAT THEY DO NOT PROJECT INTO VEHICULAR TRAFFIC LANES, PARKING SPACES OR PARKING ACCESS AISLES. CURBS AT MARKED CROSSINGS SHALL BE WHOLLY CONTAINED WITHIN THE MARKINGS, EXCLUDING ANY FLARED SIDES.
8. CURB RAMPS SHALL BE LOCATED OR PROTECTED TO PREVENT THEIR OBSTRUCTION BY PARKED VEHICLES.
9. IT IS RECOMMENDED TO PROVIDE CURB RAMPS WITH A TWENTY-FOUR (24) INCH DEEP DETECTABLE WARNING COMPLYING WITH 406.12 A117.1, EXTENDING THE FULL WIDTH OF THE RAMP. REFERTO DETECTABLE WARNING DETAILS AND NOTES FOR PLACEMENT, ORIENTATION AND NOTES. THE NC BUILDING CODE DOES NOT CURRENTLY REQUIRE DETECTABLE WARNINGS AT CURB RAMPS, NOR DO THE 2010 ADA STANDARDS - HOWEVER US DOT ADA REGULATIONS DO REQUIRE THESE.
10. FLOOR SURFACES OF CURB RAMPS SHALL BE DEEP GROOVED, ½ INCH WIDE BY ¼ INCH DEEP, ONE (1) INCH CENTERS TRANSVERSE TO THE RAMP.
11. WHERE PROVIDED, STOP LINES SHALL BE LOCATED IN ADVANCE OF CURB RAMP.
12. WHERE PROVIDED, PEDESTRIAN ACTIVATED SIGNALS SHALL BE LOCATED ADJACENT TO THE SIDEWALK AND NOT ON THE SIDEWALK.
13. WHERE PROVIDED, DRAINAGE INLETS SHALL BE LOCATED UPSTREAM OF CURB RAMPS AND NOT IN THE RAMP AREA.
14. CURB RAMP TYPE AND LOCATION ARE PER PLAN.

PARKING SPACE NOTES:

1. ACCESSIBLE PARKING SPACES SHALL BE LOCATED ON THE SHORTEST ACCESSIBLE ROUTES OF TRAVEL FROM ADJACENT PARKING TO AN ACCESSIBLE BUILDING ENTRANCE.
2. ACCESSIBLE PARKING SPACES SHALL BE AT LEAST NINETY-SIX (96) INCHES WIDE. ACCESS AISLES SHALL BE 60 INCHES WIDE. ONE OF SIX ACCESSIBLE SPACES SHOULD PROVIDE A VAN ACCESSIBLE AISLE. THE AISLE SHOULD BE 96 INCHES WIDE (OR ACCESSIBLE SPACE IS 11 FEET AND ACCESS AISLE IS FIVE FEET). WHERE PARKING SPACES AND ACCESS AISLES ARE MARKED WITH LINES, THE WIDTH MEASUREMENTS SHALL BE MADE FROM CENTERLINE OF THE MARKINGS. WHERE PARKING SPACES OR ACCESS AISLES ARE NOT ADJACENT TO ANOTHER PARKING SPACE OR ACCESS AISLES, MEASUREMENTS SHALL BE PERMITTED TO INCLUDE THE FULL WIDTH OF THE LINE DEFINING THE PARKING SPACE OR ACCESS AISLE.
3. PARKING ACCESS AISLES SHALL BE PART OF AN ACCESSIBLE ROUTE TO THE BUILDING OR FACILITY ENTRANCE AND SHALL COMPLY WITH PROVISIONS FORACCESSIBLE ROUTES. MARKED CROSSINGS SHALL BE PROVIDED WHERE THE ACCESSIBLE ROUTE MUST CROSS VEHICULAR TRAFFIC LANES. WHERE POSSIBLE, IT IS PREFERABLE THAT THE ACCESSIBLE ROUTE NOT PASS BEHIND PARKED VEHICLES.
4. TWO (2) ACCESSIBLE PARKING SPACES MAY SHARE A COMMON ACCESS AISLE.
5. ACCESS AISLES SHALL EXTEND THE FULL LENGTH OF THE PARKING SPACE THEY SERVE.
6. ACCESS AISLES SHALL BE MARKED SO AS TO DISCOURAGE PARKING IN THEM.
7. ACCESS AISLES SHALL NOT OVERLAP THE VEHICULAR WAY. ACCESS AISLES SHALL BE PERMITTED TO BE PLACED ON EITHER SIDE OF THE PARKING SPACE EXCEPTFOR ANGLED VAN PARKING SPACES WHICH SHALL HAVE ACCESS AISLES LOCATED ON THE PASSENGER SIDE OF THE PARKING SPACES.
8. FLOOR SURFACES OF PARKING SPACES AND ACCESS AISLES SERVING THEM SHALL BE STABLE, FIRM AND SLIP RESISTANT. ACCESS AISLES SHALL BE AT THE SAME LEVEL AS THE PARKING SPACES THEY SERVE. CHANGES IN LEVEL ARE NOT PERMITTED.
9. PARKING SPACES AND ACCESS AISLES SHALL BE LEVEL WITH SURFACE SLOPES NOT EXCEEDING 2.0% IN ALL DIRECTIONS.
10. PARKED VEHICLE OVERHANGS SHALL NOT REDUCE THE REQUIRED CLEAR WIDTH OF AN ACCESSIBLE ROUTE.
11. PARKING SPACES FOR VANS AND ACCESS AISLES AND VEHICULAR ROUTES SERVING THEM SHALL PROVIDE A VERTICAL CLEARANCE OF NINETY-EIGHT (98) INCHES MINIMUM. SIGNS SHALL BE PROVIDED AT ENTRANCES TO PARKING FACILITIES INFORMING DRIVERS OF CLEARANCES AND THE LOCATION OF VAN ACCESSIBLE PARKING SPACES.
12. EACH ACCESSIBLE PARKING SPACE SHALL BE PROVIDED WITH SIGNAGE DISPLAYING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY. SIGNS SHALL BE INSTALLED AT A MINIMUM CLEAR HEIGHT OF SIXTY (60) INCHES ABOVE GRADE AND SHALL NOT INTERFERE WITH AN ACCESSIBLE ROUTE FROM AN ACCESS AISLE. SIGNS LOCATED WHERE THEY MAY BE HIT BY VEHICLES BEING PARKED SHALL BE INSTALLED WITH BOLLARD PROTECTION.
13. SIGNAGE AT ACCESSIBLE PARKING SPACES REQUIRED BY THE NC BUILDING CODE SECTION 1106.1SHALL COMPLY WITH THE REQUIREMENTS OF NORTH CAROLINA GENERAL STATUTE 20-37.6 AND 136-30 AND THE NCDOT UNIFORM MANUAL ON TRAFFIC CONTROL DEVICES. A SEPARATE SIGN IS REQUIRED FOR EACH SPACE. SIGNS TO INDICATE THE MAXIMUM PENALTY MUST BE PROVIDED AT EACH ACCESSIBLE SPACE.
14. ACCESSIBLE PARKING SPACE, ACCESS AISLE STRIPING, AND INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE PAINTED BLUE (OR ANOTHER COLOR THAT CAN BE DISTINGUISHED FROM PAVEMENT).

PASSENGER LOADING ZONE NOTES:

1. PASSENGER LOADING ZONES SHALL PROVIDE VEHICULAR PULL-UP SPACE NINETY-SIX (96) INCHES WIDE MINIMUM AND TWENTY (20) FEET LONG MINIMUM.
2. PASSENGER LOADING ZONES SHALL PROVIDE A CLEARLY MARKED ACCESS AISLE THAT IS SIXTY (60) INCHES WIDE MINIMUM AND EXTENDS THE FULL LENGTH OF THE VEHICLE PULL-UP SPACE THEY SERVE.
3. ACCESS AISLE SHALL ADJOIN AN ACCESSIBLE ROUTE AND NOT OVERLAP THE VEHICULAR WAY.
4. VEHICLE PULL-UP SPACES AND ACCESS AISLES SERVING THEM SHALL BE LEVEL WITH SURFACE SLOPES NOT EXCEEDING 2.0% IN ALL DIRECTIONS. ACCESS AISLES SHALL BE AT THE SAME LEVEL AS THE VEHICLE PULL-UP SPACE THEY SERVE. CHANGES IN LEVEL ARE NOT PERMITTED.
5. FLOOR SURFACES OF VEHICLE PULL-UP SPACES AND ACCESS AISLES SERVING THEM SHALL BE STABLE, FIRM AND SLIP RESISTANT.
6. VEHICLE PULL-UP SPACES, ACCESS AISLES SERVING THEM AND A VEHICULAR ROUTE FROM AN ENTRANCE TO THE PASSENGER LOADING ZONE, AND FROM THE PASSENGER LOADING ZONE TO A VEHICULAR EXIT SERVING THEM, SHALL PROVIDE A VERTICAL CLEARANCE OF ONE HUNDRED FOURTEEN (114) INCHES MINIMUM.

ACCESSIBLE ENTRANCE NOTES:

1. ACCESSIBLE ENTRANCES SHALL BE PROVIDED AS REQUIRED BY THE AMERICANS WITH DISABILITIES ACT (2010 ADA STANDARDS) AND THE NORTH CAROLINA BUILDING CODE, AND APPLICABLE LOCAL LAWS & REGULATIONS.
2. ENTRANCE DOORS, DOORWAYS AND GATES SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT (2010 ADA STANDARDS) THE NC BUILDING CODE/ANSI A117.1 AND SHALL BE ON AN ACCESSIBLE ROUTE.

GENERAL UTILITY NOTES

1. ALL STORM SEWERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF WILMINGTON REQUIREMENTS AS SPECIFIED ON THE DRAWINGS AND IN THE PROJECT SPECIFICATIONS.
2. BEDDING FOR ALL STORM SEWER PIPE SHALL BE AS SPECIFIED ON THE DRAWINGS.
3. ALL STORM SEWER PIPES SHOWN AS RCP ON THE PLANS SHALL BE REINFORCED CONCRETE PIPE CONFORMING TO ASTM C-76, UNLESS INDICATED OTHERWISE ON PLANS.

STORM WATER NOTES

1. TOTAL SITE AREA = 1,523,729 SF (34.98 AC)
2. DISTURBED AREA = 1,523,729 SF (34.98 AC)
3. IMPERVIOUS AREA DRAINING TO STORMWATER SYSTEM = 1,070,270 SF (24.57 AC)

WETLAND NOTES:

1) NO WETLANDS EXISTS ON THIS SITE.

ROOF DRAIN NOTE:

1) PROPOSED BUILDING SHALL DIVERT ROOF DRAINAGE TO STORMWATER COLLECTION SYSTEM.

EXISTING UTILITY NOTES:

1. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO VERIFY THE ACTUAL LOCATION AND AVAILABILITY OF ALL EXISTING AND PROPOSED UTILITIES IN THE FIELD PRIOR TO GROUND BREAKING.
2. EXISTING UTILITIES AND STRUCTURES SHOWN, BOTH UNDERGROUND AND ABOVE GROUND, ARE BASED ON A FIELD SURVEY AND THE BEST AVAILABLE RECORD DRAWINGS. THE CONTRACTOR SHALL FIELD VERIFY FIELD CONDITIONS PRIOR TO BEGINNING RELATED CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE IMMEDIATELY.

LEGEND

- WET = EXISTING WETLANDS
- = EXISTING PROPERTY LINE
- 24 = EXISTING CONTOURS
- IPF = IRON PIPE FOUND
- IRF = IRON ROD FOUND
- CMF = CONCRETE MONUMENT
- = TELEPHONE PEDESTAL
- UT = UNDERGROUND TELEPHONE
- TR = TRANSFORMER PEDESTAL (PAD)
- = PROPOSED DROP INLET
- = PROPOSED CURB INLET
- = PROPOSED STORM SEWER
- D = PROPOSED STORM DRAIN MANHOLE
- CI-8 = PROPOSED CURB INLET
- DI-8 = PROPOSED DROP INLET
- MH-8 = PROPOSED STORM DRAIN MANHOLE
- PG=49.90 = PROPOSED SPOT ELEVATIONS
- 35 = PROPOSED CONTOUR
- = PROPOSED DRAINAGE AREAS
- = PROPOSED SILT FENCE
- LOD = PROPOSED LIMITS OF DISTURBANCE
- = PROPOSED TREE PROTECTION FENCING
- = PROPOSED INLET PROTECTION
- = PROPOSED TRAFFIC ARROW
- = PROPOSED WOOD SHADOWBOX FENCE
- = PROPOSED SIGN
- SS = PROPOSED SANITARY SEWER SERVICE
- C.O. = PROPOSED SANITARY SEWER CLEANOUT
- = EX. ASPHALT AREA TO BE MILLED 1-INCH AND OVERLAYED
- = PROPOSED ASPHALT PAVEMENT SECTION
- = PROPOSED CONCRETE CURB & GUTTER

STABILIZATION TIME FRAMES:
*IN THE EVENT THAT THE GOVERNING AGENCIES TIMEFRAME FOR STABILIZATION VARY, CONTRACTOR SHALL MEET THE MORE STRINGENT REQUIREMENT.

NEW HANOVER COUNTY LAND QUALITY STABILIZATION TIME FRAME NOTE:
DENUDED AREAS MUST BE STABILIZED WITH FIFTEEN (15) WORKING DAYS OF CEASE OF ANY PHASE OF ACTIVITY. ALL SLOPES MUST BE STABILIZED WITHIN TWENTY-ONE (21) CALENDAR DAYS OF CEASE OF ANY PHASE OF ACTIVITY. THIS INCLUDES SLOPES, SWALES, CHANNELS AND STOCKPILES.

NPDES WATER QUALITY STABILIZATION TIME FRAMES		
SITE AREA DESCRIPTION	STABILIZATION	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HQW ZONES

Approved Construction Plan

	Name	Date
Planning		
Traffic		
Fire		

CITY OF 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.

Know what's **below.**
Call before you dig.

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)

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

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

REVISIONS:
1) PER CITY OF WILMINGTON ENGINEERING COMMENTS 11.23.15

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 (O) (910) 791-6760 (F)
NC License #: C-2846

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

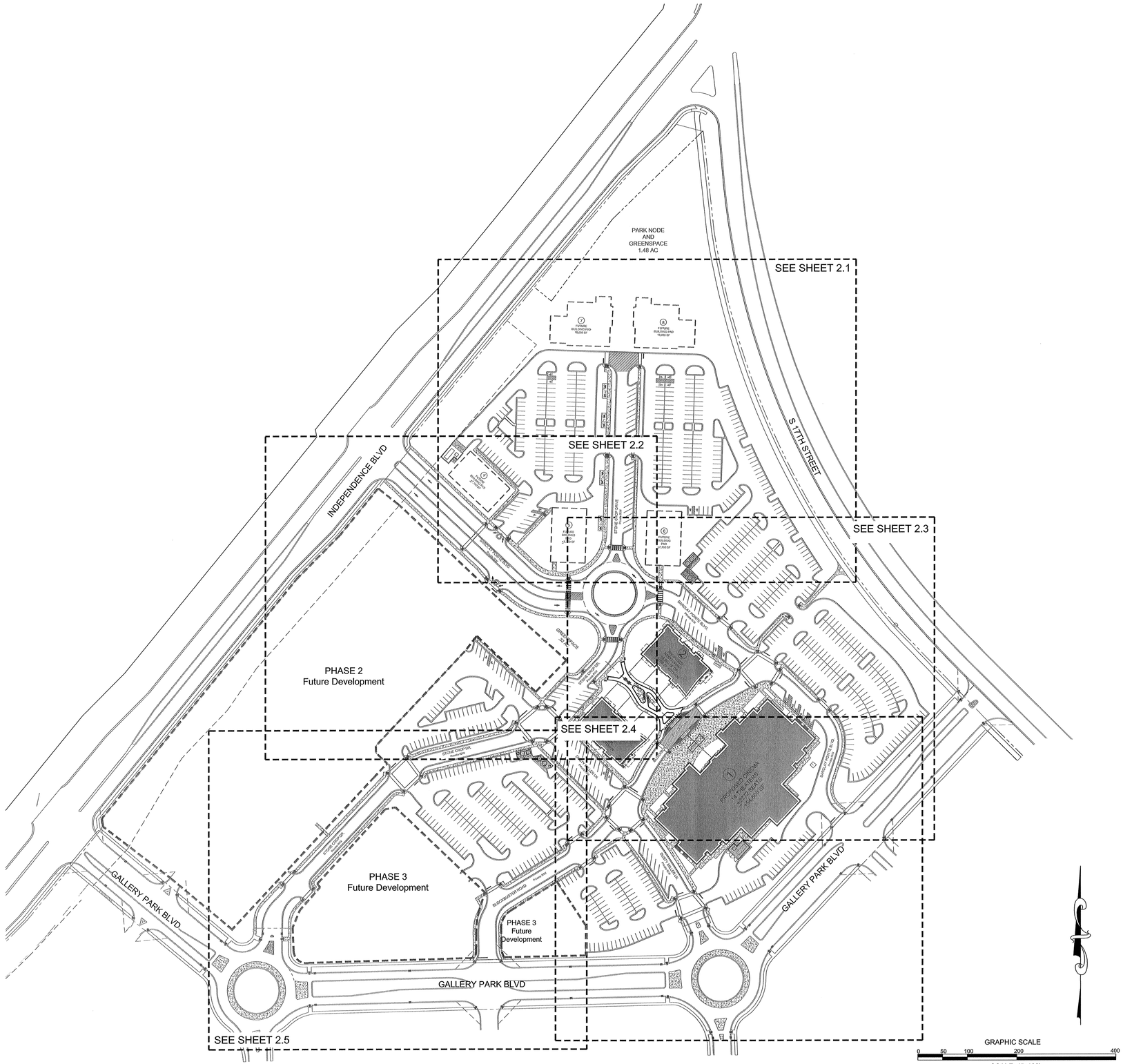
PROJECT STATUS
CONCEPTUAL LAYOUT:
PRELIMINARY LAYOUT:
FINAL DESIGN:
RELEASED FOR CONST:

DRAWING INFORMATION
DATE: 09.14.15
SCALE: AS NOTED
DESIGNED: DJF
DRAWN: DJF
CHECKED: TGC

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 040501 ENGINEER DANIEL J. FISK 11.23.15

C-1.0

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		

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	11.23.15

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NC License #: C-2846

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

PROJECT STATUS
CONCEPTUAL LAYOUT:
PRELIMINARY LAYOUT:
FINAL DESIGN:
RELEASED FOR CONST:

DRAWING INFORMATION
DATE: 09.14.15
SCALE: 1" = 100'
DESIGNED: DHW
DRAWN: CW
CHECKED: AHE

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 040501 11.23.15 ENGINEER DANIEL J. PISK

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:	510,247 SF
SIDEWALKS:	68,273 SF
FUTURE:	429,399 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

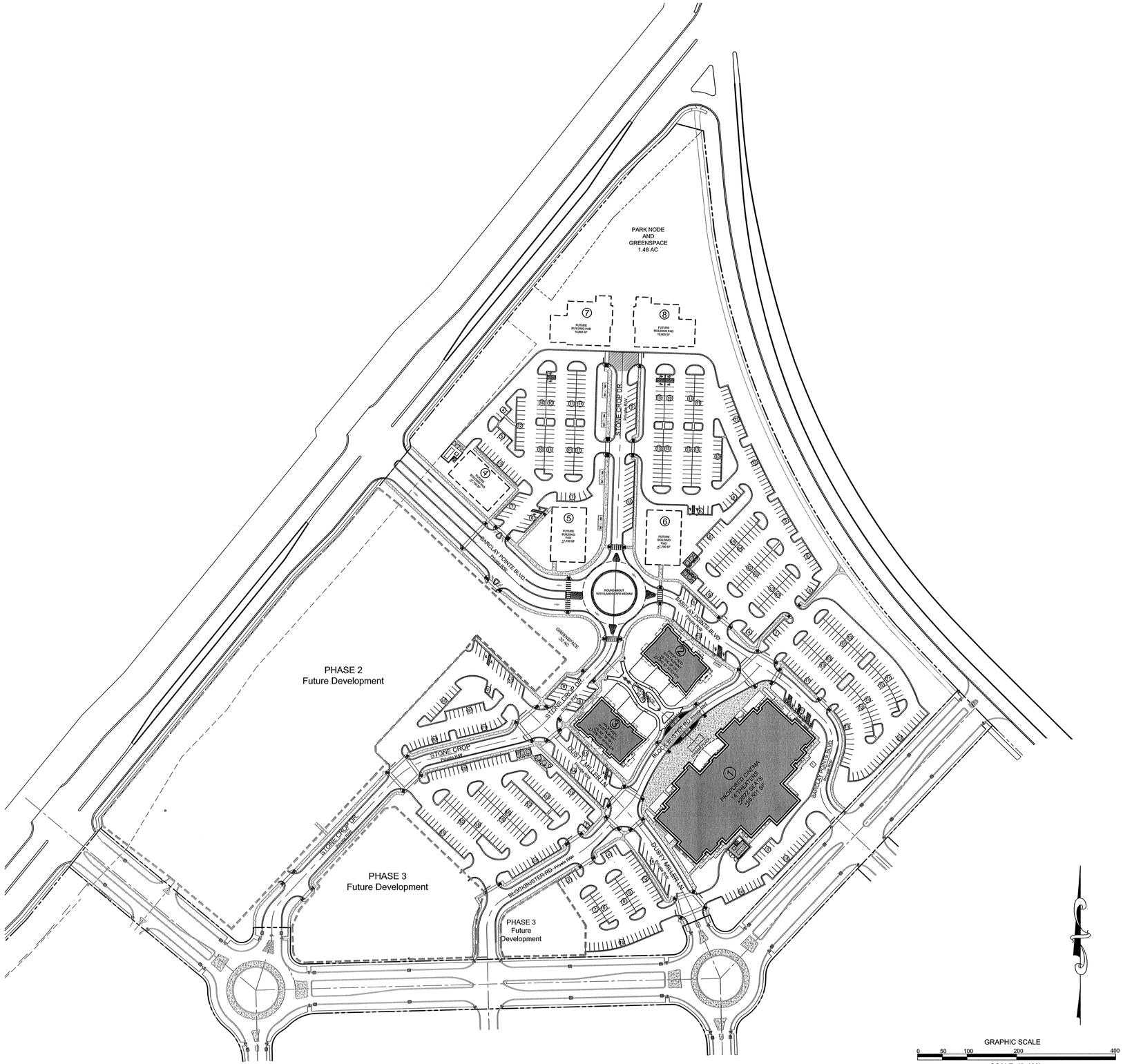
- MINIMUM LOT AREA:	1 ACRE
- MINIMUM LOT WIDTH:	100'
- MAXIMUM LOT COVERAGE:	40%
- MINIMUM FRONT SETBACK:	0' (RB-CD)
- MINIMUM REAR SETBACK:	15'
- MINIMUM INTERIOR SIDE SETBACK:	0'
- MINIMUM CORNER LOT SIDE SETBACK:	25'
- MAXIMUM BUILDING HEIGHT:	35'

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 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	



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		

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

REVISIONS:

1) PER CITY OF WILMINGTON ENGINEERING COMMENTS	11.23.15

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

PARAMOUNTE ENGINEERING
5911 Oleander Drive, Suite 201
Wilmington, North Carolina 28403
(910) 791-6707 (O) (910) 791-6760 (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
DATE: 09.14.15
SCALE: 1" = 100'
DESIGNED: DHV
DRAWN: ACM
CHECKED: AJE

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 040501 11-23-15 DANIEL J. FISK

C-2.0

PEI JOB#: 14222.PE

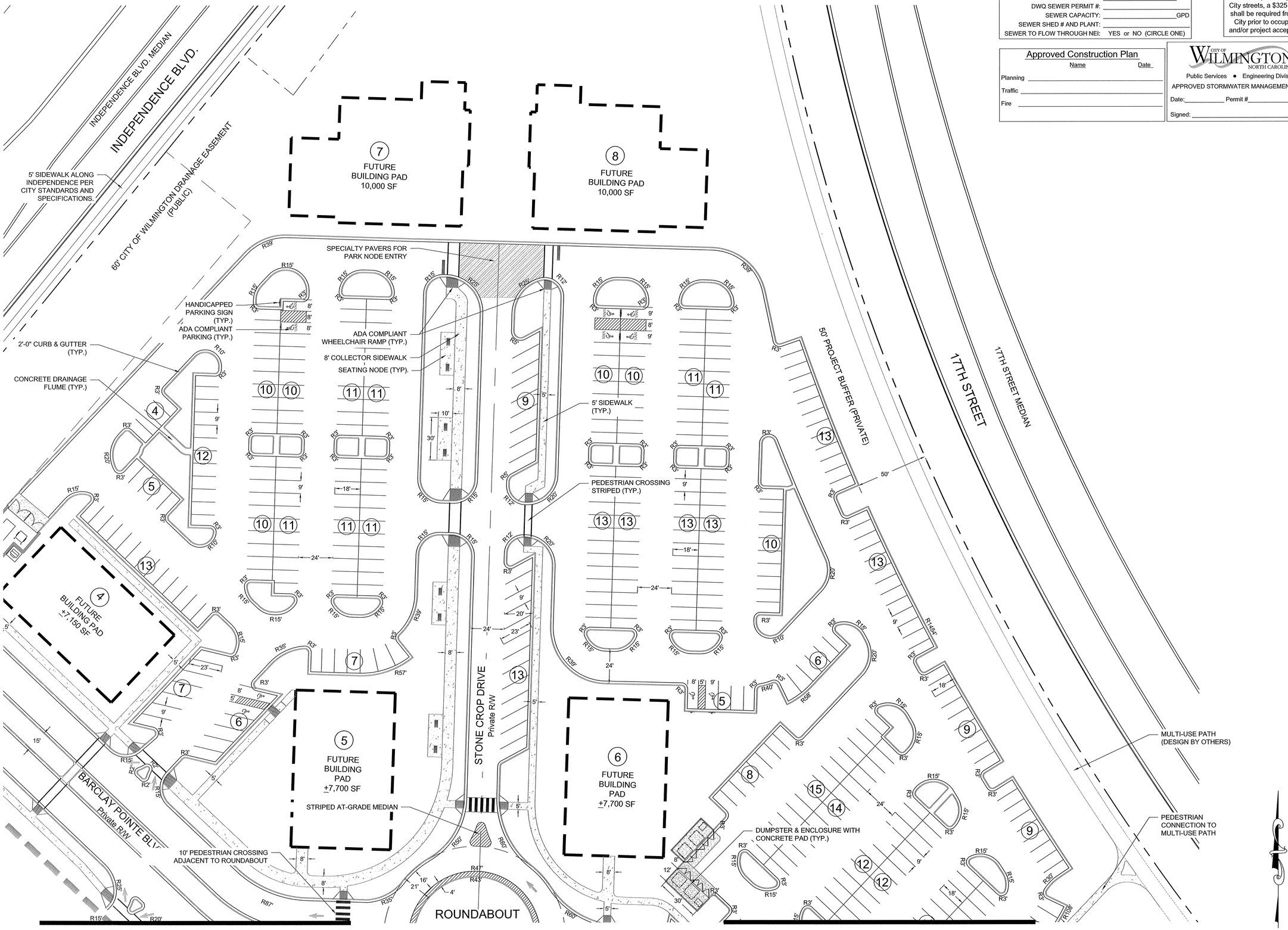
NCDENR PWSS WATER PERMIT #: _____
WATER CAPACITY: _____ GPD
DWQ SEWER PERMIT #: _____
SEWER CAPACITY: _____ GPD
SEWER SHED # AND PLANT: _____
SEWER TO FLOW THROUGH NEI: YES or NO (CIRCLE ONE)

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		

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



SEE SHEET 2.2

SEE SHEET 2.3

GRAPHIC SCALE
0 15 30 60 120
SCALE: 1"=30'

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:
1) PER CITY OF WILMINGTON ENGINEERING COMMENTS 11.23.15

CLIENT INFORMATION:
Collett - Cameron Properties
2508 Independence Blvd. Suite 202
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SITE PLAN
THE POINTE AT BARCLAY
'BARCLAY WEST TRACT B'
CITY OF WILMINGTON
NORTH CAROLINA

PROJECT STATUS
CONCEPTUAL LAYOUT:
PRELIMINARY LAYOUT:
FINAL DESIGN:
RELEASED FOR CONST:

DRAWING INFORMATION
DATE: 09.14.15
SCALE: 1" = 30'
DESIGNED: DHW
DRAWN: JCM
CHECKED: AHE

SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 040301 11.23.15 DANIEL J. FISK

C-2.1

PEI JOB#: 14222.PE

SEE SHEET 2.1

SEE SHEET 2.3

SEE SHEET 2.5

SEE SHEET 2.4

INDEPENDENCE BLVD.

60' CITY OF WILMINGTON DRAINAGE EASEMENT (PUBLIC)

FUTURE BUILDING PAD ±7,150 SF

FUTURE BUILDING PAD ±7,700 SF

BARCLAY POINTE BLVD. Private R/W

STONE CROP DRIVE Private R/W

SEATING NODE (TYP.).

8' COLLECTOR SIDEWALK

ROUNDABOUT W/ 4' PAVER RUMBLE STRIP; 16' W. TRAVEL LANE, 21' FACE TOTAL ROAD WIDTH

10' PEDESTRIAN CROSSING ADJACENT TO ROUNDABOUT(TYP.)

ROUNDABOUT WITH LANDSCAPE MEDIAN

ADA COMPLIANT WHEELCHAIR RAMP (TYP.)

5' WIDE SIDEWALK (TYP.)

GREENSPACE .32 AC

HANDICAPPED PARKING SIGN (TYP.)

ADA COMPLIANT PARKING (TYP.)

2'-0" CURB & GUTTER (TYP.)

6' WIDE PEDESTRIAN CROSSING STRIPED (TYP.)

STRIPED AT-GRADE MEDIAN (TYP.)

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

GREENSPACE .63 AC

PHASE 2
Future Development

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

GRAPHIC SCALE
0 15 30 60 120
SCALE: 1"=30'

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)

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:
1) PER CITY OF WILMINGTON ENGINEERING COMMENTS 11.23.15

CLIENT INFORMATION:
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SITE PLAN

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

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

DRAWING INFORMATION
DATE: 09.14.15
SCALE: 1" = 30'
DESIGNED: DHW
DRAWN: ADB
CHECKED: AHB

SEAL
NORTH CAROLINA PROFESSIONAL 040501 ENGINEER DANIEL J. ISK 11.25.15

C-2.2

PEI JOB#: 14222.PE

SEE SHEET 2.1

SEE SHEET 2.2

SEE SHEET 2.4

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: _____

5 FUTURE BUILDING PAD 00 SF

6 FUTURE BUILDING PAD +7,700 SF

10' PEDESTRIAN CROSSING ADJACENT TO ROUNDABOUT (TYP.)

ROUNDABOUT WITH LANDSCAPE MEDIAN

STONE CROP DR. Private R/W

BARCLAY POINTE BLVD. Private R/W

STRIPED AT-GRADE MEDIAN

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

BICYCLE RACK (TYP.)

2'-0" CURB & GUTTER (TYP.)

DUMPSTER WITH ENCLOSURES (TYP.)

STOP BAR (TYP.)

6' CROSSWALK STRIPING (TYP.)

LANDSCAPE AREA (TYP.)

MULTI-USE PATH (DESIGN BY OTHERS)

PEDESTRIAN CONNECTION TO MULTI-USE PATH

17TH STREET

17TH STREET MEDIAN

50' PROJECT BUFFER (PRIVATE)

GREENSPACE .63 AC

ADA COMPLIANT WHEELCHAIR RAMP (TYP.)

SPECIALTY PAVERS FOR THEATER ENTRY

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

BLOCKBUSTER ROAD Private R/W

CINEMA PLAZA

HANDICAPPED PARKING SIGN (TYP.)

ADA COMPLIANT PARKING (TYP.)

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

DUSTY MILLER LN. Private R/W

CONCRETE DRAINAGE FLUME (TYP.)

GALLERY PARK BOULEVARD

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

GRAPHIC SCALE
0 15 30 60 120
SCALE: 1"=30'

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:
1) PER CITY OF WILMINGTON ENGINEERING COMMENTS 11.23.15

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SITE PLAN

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

PROJECT STATUS
CONCEPTUAL LAYOUT:
PRELIMINARY LAYOUT:
FINAL DESIGN:
RELEASED FOR CONST:

DRAWING INFORMATION
DATE: 09.14.15
SCALE: 1" = 30'
DESIGNED: DHW
DRAWN: JSE
CHECKED: AJE

SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER 04050 11.23.15 DANIEL J. FISK

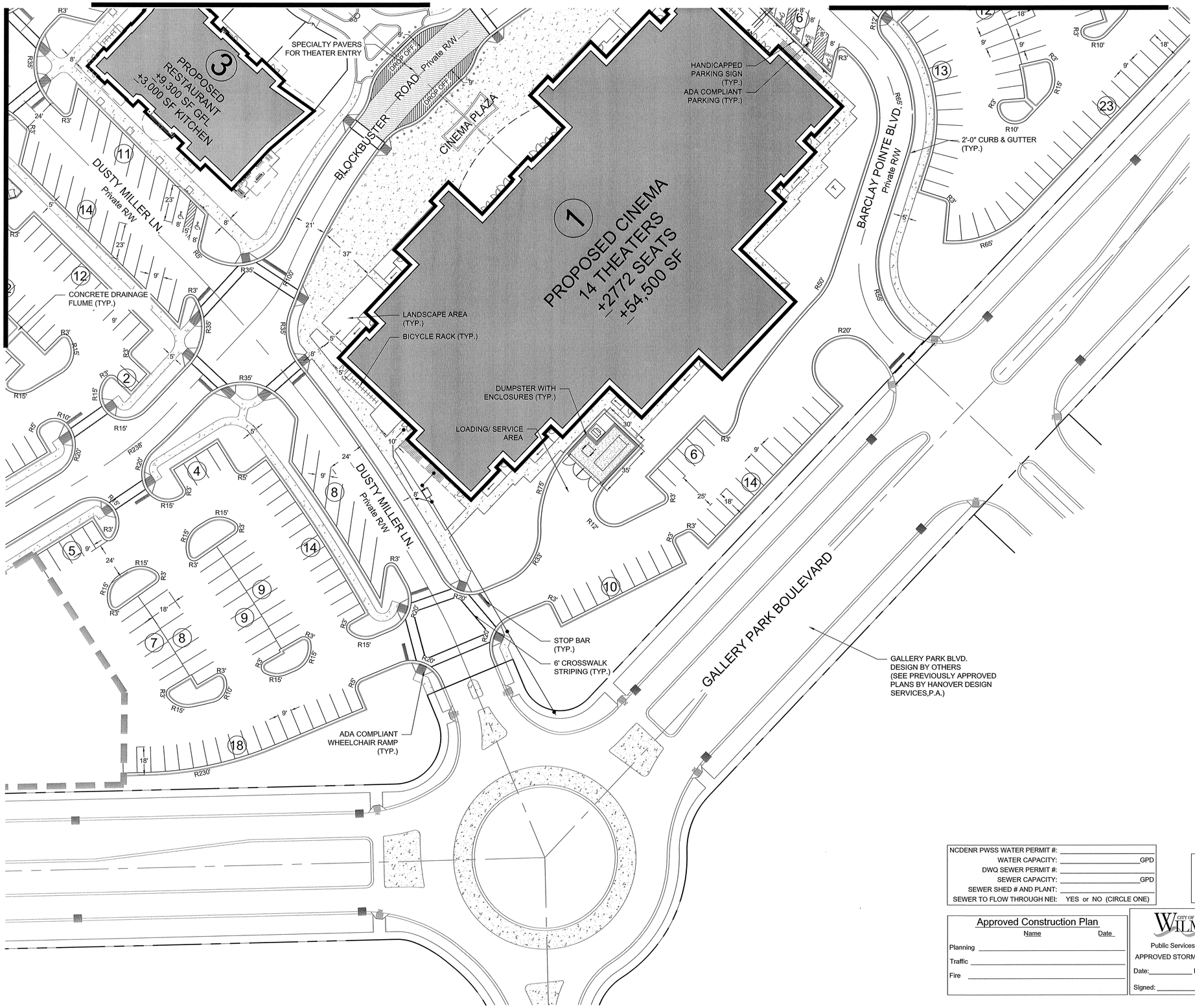
C-2.3

PEI JOB#: 14222.PE

SEE SHEET 2.2

SEE SHEET 2.3

SEE SHEET 2.5



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WATER CAPACITY: _____GPD
DWQ SEWER PERMIT #: _____
SEWER CAPACITY: _____GPD
SEWER SHED # AND PLANT: _____
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Approved Construction Plan

	Name	Date
Planning		
Traffic		
Fire		

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

GRAPHIC SCALE
0 15 30 60 120
SCALE: 1"=30'

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

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'BARCLAY WEST TRACT B'
CITY OF WILMINGTON
NORTH CAROLINA

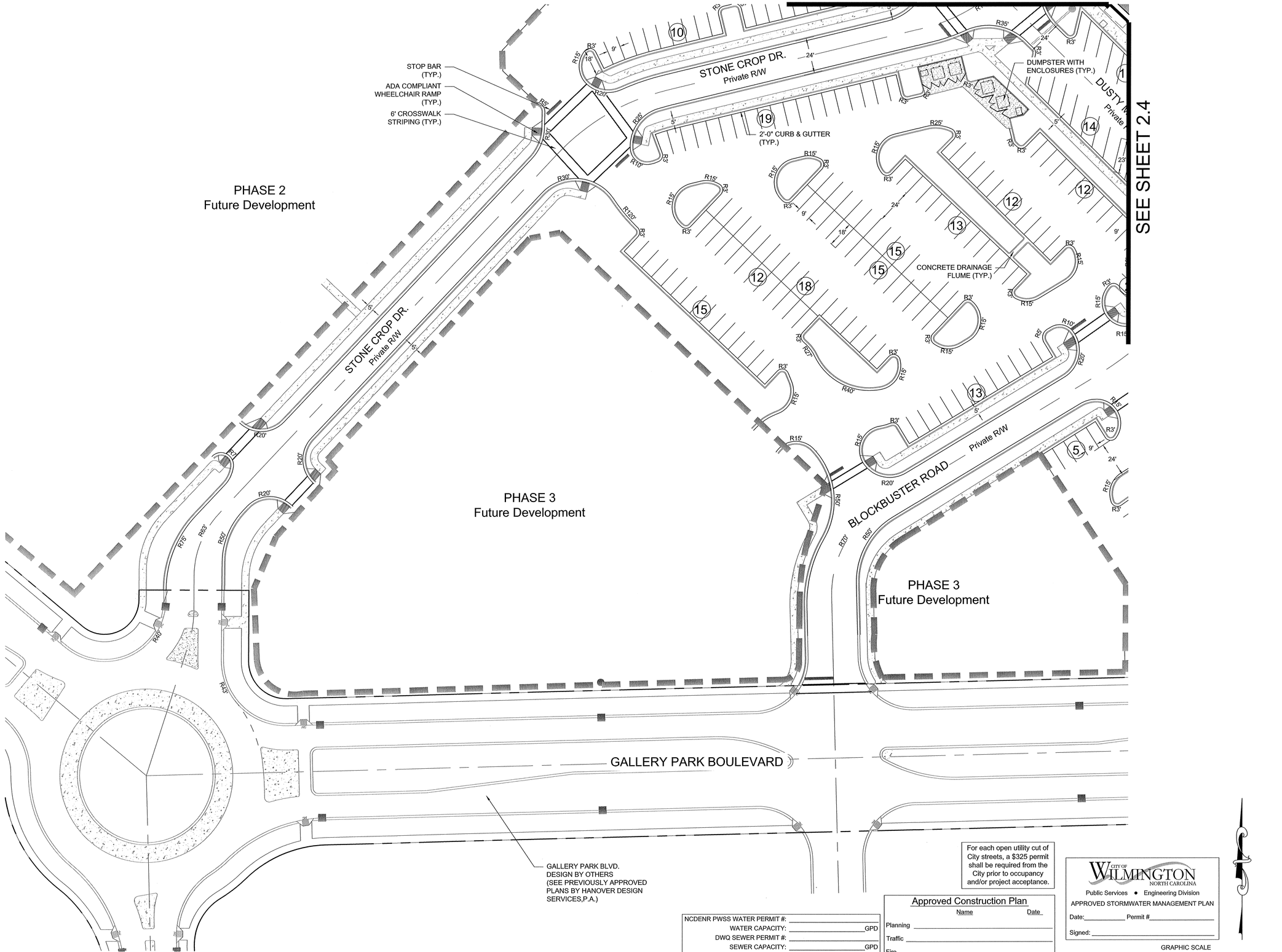
PROJECT STATUS
CONCEPTUAL LAYOUT:
PRELIMINARY LAYOUT:
FINAL DESIGN:
RELEASED FOR CONST:

DRAWING INFORMATION
DATE: 09.14.15
SCALE: 1" = 30'
DESIGNED: DHW
DRAWN: JDH
CHECKED: AHE

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 040501 11.23.15 DANIEL J. FISK

C-2.4

PEI JOB#: 14222.PE



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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: _____

GRAPHIC SCALE
0 15 30 60 120
SCALE: 1"=30'

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:
1) PER CITY OF WILMINGTON ENGINEERING COMMENTS 11.23.15

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SITE PLAN

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

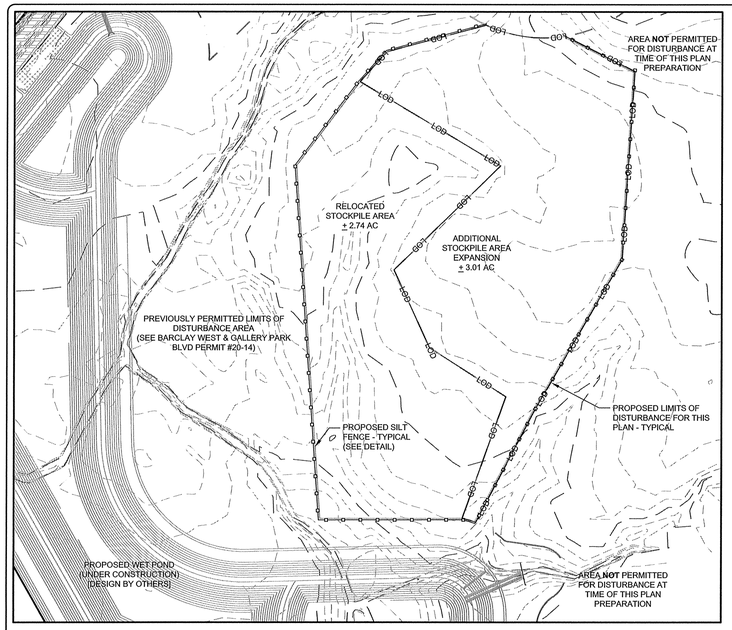
PROJECT STATUS
CONCEPTUAL LAYOUT:
PRELIMINARY LAYOUT:
FINAL DESIGN:
READY FOR PERMIT/CONST:

DRAWING INFORMATION
DATE: 08.14.15
SCALE: 1" = 30'
DESIGNED: DHW
DRAWN: JCM
CHECKED: AJE

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 040501 11.23.15 DANIEL J. FISK

C-2.5

PEI JOB#: 14222.PE



RELOCATED STOCKPILE AREA PLAN

SCALE: 1" = 100'

NOTES:

1.) SEE GENERAL NOTES SHEET (C-1.0) FOR GRADING, DRAINAGE AND EROSION CONTROL NOTES AND DETAILS FOR MORE INFORMATION.

2.) 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

3.) ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL CITY OF WILMINGTON AND NEW HANOVER COUNTY STANDARDS AND SPECIFICATIONS.

4.) 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 GALLERY PARK BOULEVARD.

5.) 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.

6.) GEOTECHNICAL TESTING HAS NOT BEEN PERFORMED ON-SITE. A GEOTECHNICAL ENGINEER SHALL BE CONSULTED TO CONFIRM SUITABILITY OF SUBGRADE MATERIAL AND PROPER COMPACTION IN FILL AREAS.

7.) 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.

8.) 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."

9.) 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.

10.) 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.

BUILDING PAD NOTE:

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

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.

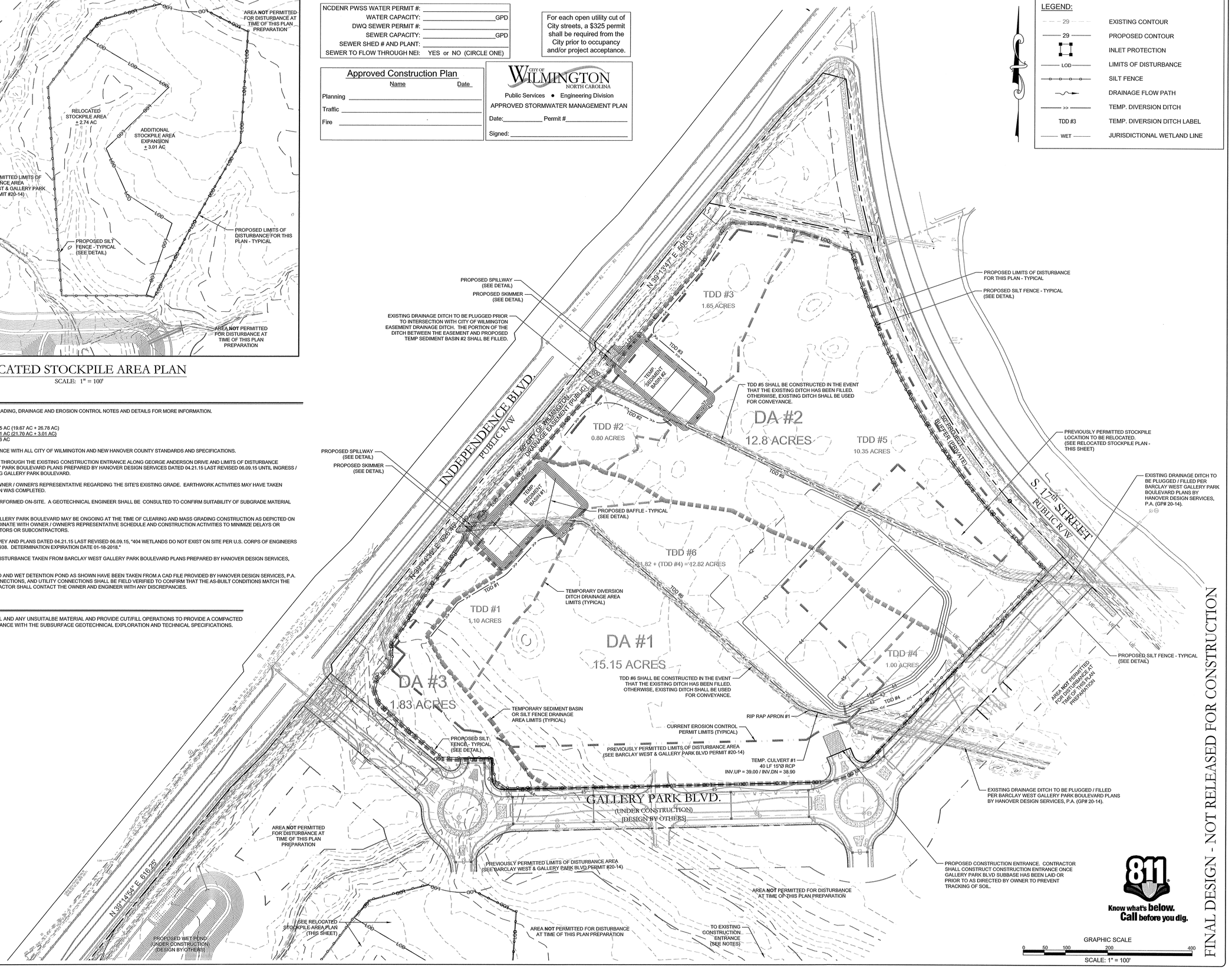
Approved Construction Plan

	Name	Date
Planning		
Traffic		
Fire		

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

LEGEND:

29	EXISTING CONTOUR
29	PROPOSED CONTOUR
	INLET PROTECTION
LOD	LIMITS OF DISTURBANCE
	SILT FENCE
	DRAINAGE FLOW PATH
>>	TEMP. DIVERSION DITCH
TDD #3	TEMP. DIVERSION DITCH LABEL
WET	JURISDICTIONAL WETLAND LINE



GRAPHIC SCALE
0 50 100 200 400
SCALE: 1" = 100'

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:

1) PER NHC COMMENTS	09.02.15
2) ADDED "ADDITIONAL STOCKPILE AREA EXPANSION"	10.21.15
3) PER CITY OF WILMINGTON ENGINEERING COMMENTS	11.23.15

CLIENT INFORMATION:
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Wilmington, NC

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NC License #: C-2846

EROSION CONTROL PLAN
PHASE I
THE POINTE AT BARCLAY
'BARCLAY WEST TRACT B'
CITY OF WILMINGTON
NORTH CAROLINA

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

DRAWING INFORMATION
DATE: 04.21.15
SCALE: 1" = 100'
DESIGNED: DJF
DRAWN: DJF
CHECKED: TGC

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER 040501 11.23.15 DANIEL J. FISK

Know what's below. Call before you dig.

C-3.0

PEI JOB#: 14222.PE

LEGEND:

29	EXISTING CONTOUR
29	PROPOSED CONTOUR
	INLET PROTECTION
LOD	LIMITS OF DISTURBANCE
	SILT FENCE
	DRAINAGE FLOW PATH
>>	TEMP. DIVERSION DITCH
TDD #3	TEMP. DIVERSION DITCH LABEL
WET	JURISDICTIONAL WETLAND LINE

NOTATION:

CB = CATCH BASIN
DCB = DOUBLE CATCH BASIN
DI = DROP INLET
DDI = DOUBLE DROP INLET
YI = YARD INLET
MH = STORM MANHOLE
GP = STORM STRUCTURE BY OTHERS (SEE HANOVER DESIGN SERVICES, P.A. PLANS)

NOTES:

1.) SEE GENERAL NOTES SHEET (C-1.0) FOR GRADING, DRAINAGE AND EROSION CONTROL NOTES AND DETAILS FOR MORE INFORMATION.

2.) SEE SHEET C-3.0 FOR EROSION CONTROL PLAN PHASE I.

3.) SEE SHEET C-3.2 FOR THE POINTE AT BARCLAY PROPOSED STORM DRAINAGE "STORM SCHEDULE".

4.) SEE FINE GRADING PLANS (SHEETS C-3.3 THROUGH C-3.6) FOR PROPOSED SPOT ELEVATIONS.

5.) ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL CITY OF WILMINGTON AND NEW HANOVER COUNTY STANDARDS AND SPECIFICATIONS.

6.) 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 GALLERY PARK BOULEVARD.

7.) 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.

8.) GEOTECHNICAL TESTING HAS NOT BEEN PERFORMED ON-SITE AT THIS TIME. A GEOTECHNICAL ENGINEER SHALL BE CONSULTED TO CONFIRM SUITABILITY OF SUBGRADE MATERIAL AND PROPER COMPACTION IN FILL AREAS.

9.) 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.

10.) 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."

11.) 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.

12.) 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:

1.) SITE CONTRACTOR SHALL STRIP TOPSOIL AND ANY UNSUITALBE 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:

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

SEDIMENT BASIN NOTE:

TRACT B IS A PORTION OF THE OVERALL (107+/- ACRE) DRAINAGE AREA THAT FLOWS TO THE BARCLAY WEST SEDIMENT BASIN. THE SEDIMENT BASIN WAS DESIGNED AND PERMITTED THROUGH PLANS PREPARED BY HANOVER DESIGN SERVICES, PA AND SIGNED AND SEALED BY DAVID S. HOLLIS, PE (NCPE 20007).

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: _____

PIN: R06500-003-099-000
LOUISE W. CAMERON ART MUSEUM
DB 5298 PG 1198
ZONED: O&I
BUILT

PIN: R06500-003-004-000
CAMERON PROPERTIES
DB 5853 PG 934
ZONED: RB
UNDEVELOPED

PIN: R06500-003-140-000
FORKS DEVLEOPMENT, LLC
DB 5853 PG 936
ZONED: R-15
UNDER CONSTRUCTION

PIN: R06500-003-004-000
CAMERON PROPERTIES
DB 5853 PG 934
ZONED: MF- M
UNDEVELOPED

PIN: R06500-003-004-000
CAMERON PROPERTIES
DB 5853 PG 934
ZONED: O&I - 1
UNDEVELOPED

PIN: R06500-003-004-000
CAMERON PROPERTIES
DB 5853 PG 934
ZONED: O&I - 1
UNDEVELOPED

INDEPENDENCE BLVD. PUBLIC R/W
S. 17TH STREET PUBLIC R/W
GALLERY PARK BLVD. (UNDER CONSTRUCTION) [DESIGN BY OTHERS]
STONE CROP DR. (PRIVATE)
BLOCKSTER RD. (PRIVATE)
BARCLAY POINTE BLVD. (PRIVATE)
HUNT MILLER RUN (PRIVATE)
PROPOSED SILT FENCE (TYPICAL).
PROPOSED DITCH PLUG (TYPICAL). [EXISTING DITCHES WITHIN LIMITS OF DISTURBANCE TO BE FILLED]
PROPOSED CULVERT
PROPOSED RUNOFF TO BE CONVEYED THROUGH STORM SYSTEM TO SEDIMENT BASIN / WET POND (DESIGNED BY OTHERS). [SEE HANOVER DESIGN SERVICES, P.A. PLANS]
PROPOSED INLET PROTECTION (TYPICAL).
PROPOSED BARCLAY WEST 'TRACT B' STORM DRAINAGE (TYPICAL). [SEE OVERALL GRADING AND DRAINAGE PLAN C-3.2]
SEDIMENT BASIN (DESIGN BY OTHERS) [SEE PLANS AND CALCULATIONS BY HANOVER DESIGN SERVICES, PA]
GALLERY PARK BLVD. STORM DRAINAGE SYSTEM (TYPICAL). [DESIGN BY OTHERS - SEE HANOVER DESIGN SERVICES, P.A. PLANS]
PROPOSED CONSTRUCTION ENTRANCE (TYPICAL). CONTRACTOR SHALL CONSTRUCT CONSTRUCTION ENTRANCE ONCE GALLERY PARK BLVD SUBBASE HAS BEEN LAID OR PRIOR TO AS DIRECTED BY OWNER TO PREVENT TRACKING OF SOIL.
INVERSE BUFFER (PRIVATE)

Know what's below. Call before you dig.

GRAPHIC SCALE
0 50 100 200 400
SCALE: 1"=100'

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:	
11 PER CITY OF WILMINGTON ENGINEERING COMMENTS	11.23.15

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

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

EROSION CONTROL PLAN
PHASE II
THE POINTE AT BARCLAY
'BARCLAY WEST TRACT B'
CITY OF WILMINGTON
NORTH CAROLINA

PROJECT STATUS
CONCEPTUAL LAYOUT:
PRELIMINARY LAYOUT:
FULL DESIGN:
RELEASED FOR CONST:

DRAWING INFORMATION
DATE: 09.14.15
SCALE: 1" = 100'
DESIGNED: DJF
DRAWN: TGC
CHECKED:

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 040501 DANIEL J. FOX 11.23.15

C-3.1

PEI JOB#: 14222.PE

STORM SCHEDULE:

Upstream Node	Downstream Node	Diameter (In)	Upstream Invert	Downstream Invert	Pipe Length (ft)	Slope (%)	Upstream Rim Elev	Downstream Rim Elev	Pipe Material
MH-100	GP 7	60	33.31	33.20	42	0.25	43.75	42.70	RCP III
CB-101	MH-100	60	34.18	33.31	349	0.25	42.17	43.75	RCP III
CB-103	CB-101	60	34.43	34.18	98	0.25	41.70	42.17	RCP III
CB-104	CB-103	60	34.89	34.43	185	0.25	41.72	41.70	RCP IV
MH-105	CB-104	60	35.02	34.89	53	0.25	42.11	41.72	RCP IV
CB-106	MH-105	60	35.54	35.02	208	0.25	42.10	42.11	RCP IV
MH-107	CB-106	54	35.90	35.54	144	0.25	42.12	42.10	RCP IV
CB-108	MH-107	42	36.20	35.90	120	0.25	41.94	42.12	RCP III
CB-109	CB-108	42	36.72	36.20	206	0.25	41.91	41.94	RCP IV
MH-110	CB-109	24	37.75	37.22	177	0.30	44.40	41.91	RCP III
CB-111	CB-101	18	38.00	37.75	24	1.04	42.17	42.17	RCP III
CB-112	CB-103	18	37.63	37.38	25	1.02	41.60	41.70	RCP III
CB-113	CB-112	15	38.00	37.88	12	1.00	41.50	41.60	RCP III
CB-114	CB-104	18	36.69	36.44	25	1.02	41.61	41.72	RCP III
CB-115	CB-114	18	36.84	36.69	15	1.00	41.56	41.61	RCP III
CB-116	MH-105	18	37.00	36.48	52	1.01	41.84	42.11	RCP III
CB-117	CB-106	18	37.20	36.96	24	1.01	42.11	42.10	RCP III
YI-118	CB-117	18	37.66	37.20	92	0.50	42.00	42.11	RCP III
CB-119	CB-108	18	38.00	37.76	24	0.99	41.94	41.94	RCP III
CB-120	CB-109	30	37.25	37.18	26	0.28	42.00	41.91	RCP III
YI-121	CB-120	30	37.45	37.25	81	0.25	41.75	42.00	RCP III
YI-122	YI-121	24	37.66	37.50	60	0.26	41.75	41.75	RCP III
YI-123	YI-122	18	38.00	37.81	79	0.25	41.75	41.75	RCP III
YI-124	CB-109	24	37.38	37.19	77	0.25	41.75	41.91	RCP III
YI-125	YI-124	24	37.53	37.38	60	0.25	41.75	41.75	RCP III
CB-126	YI-125	15	38.25	38.10	60	0.25	41.75	41.75	RCP III
CB-300	CB-103	30	35.40	35.35	15	0.33	41.50	41.70	RCP III
YI-301	CB-300	30	35.70	35.40	100	0.30	41.50	41.50	RCP III
CB-310	CB-104	24	36.00	35.80	20	1.01	41.51	41.72	RCP III
CB-311	CB-310	24	36.21	36.00	71	0.30	42.62	41.51	RCP III
YI-312	CB-311	24	36.55	36.21	113	0.30	41.50	42.62	RCP III
CB-400	CB-106	36	36.43	36.01	167	0.25	41.53	42.10	RCP III
CB-401	CB-400	30	36.91	36.43	194	0.25	41.47	41.53	RCP III
CB-402	CB-401	24	37.25	37.06	63	0.30	41.47	41.47	RCP III
CB-403	CB-402	18	37.85	37.75	35	0.30	41.85	41.47	RCP III
CB-404	CB-403	18	37.93	37.85	26	0.30	42.08	41.85	RCP III
CB-405	CB-400	18	37.79	37.48	63	0.50	41.53	41.53	RCP III
DI-406	CB-401	18	37.75	37.65	33	0.30	41.50	41.47	RCP III
DCB-600	MH-107	36	36.48	36.35	49	0.25	41.61	42.12	RCP IV
MH-601	CB-600	36	36.71	36.48	95	0.25	42.79	41.61	RCP IV
MH-602	MH-601	24	37.52	37.26	103	0.25	43.27	42.79	RCP III
CB-603	MH-602	18	38.29	38.02	91	0.30	43.56	43.27	RCP III
DCB-604	CB-600	18	37.80	37.53	27	1.02	41.55	41.61	RCP IV
CB-605	MH-601	24	36.97	36.76	82	0.25	41.90	42.79	RCP III
YI-606	CB-605	18	37.74	37.47	108	0.25	41.90	41.90	RCP III
CB-607	CB-605	15	37.87	37.72	60	0.25	41.90	41.90	RCP III
DI-608	CB-606	15	38.14	37.99	60	0.25	41.90	41.90	RCP III
DCB-609	MH-602	24	37.70	37.52	70	0.25	41.75	43.27	RCP III
DCB-610	DCB-609	18	38.22	38.20	10	0.25	41.90	41.75	RCP III
MH-700	GP 11	36	36.08	36.00	25	0.30	45.50	44.12	RCP III
DI-701	MH-700	36	36.39	36.08	105	0.30	41.71	45.50	RCP III
CB-702	DI-701	36	36.70	36.39	104	0.30	41.98	41.71	RCP III
CB-703	CB-702	30	36.74	36.70	13	0.28	41.98	41.98	RCP III
CB-704	CB-703	24	36.81	36.74	24	0.30	41.98	41.98	RCP III
CB-705	CB-704	24	36.85	36.81	13	0.32	41.92	41.98	RCP III
YI-706	CB-705	18	37.59	37.35	78	0.30	41.65	41.92	RCP III
DI-707	DI-701	24	37.07	36.89	60	0.30	41.71	41.71	RCP III
CB-708	DI-707	18	37.78	37.57	70	0.30	43.11	41.71	RCP III
MH-709	CB-704	15	38.95	38.36	119	0.50	43.05	41.98	RCP III
CB-710	MH-709	15	39.51	38.95	111	0.50	43.55	43.05	RCP III
CB-711	GP 13	18	37.22	36.90	65	0.50	42.75	43.69	RCP III
CB-720	GP 44	24	37.94	37.80	29	0.50	42.60	42.86	RCP III
CB-721	CB-720	18	38.64	38.44	39	0.50	43.14	42.60	RCP III
CB-722	CB-721	18	38.77	38.64	27	0.50	43.14	43.14	RCP III
DCB-723	GP 45	18	37.94	37.80	29	0.50	42.00	42.53	RCP IV
RD-1-01	CB-711	18	38.19	37.22	97	1.00	44.73	42.75	HDPE
RD-1-02	RD-1-01	15	40.30	39.86	44	0.99	45.20	44.73	HDPE
RD-1-03	RD-1-02	15	40.61	40.30	32	1.00	45.20	45.20	HDPE
RD-1-04	RD-1-03	12	41.19	40.86	33	1.00	45.00	45.20	HDPE
RD-1-05	RD-1-04	8	41.83	41.52	31	1.00	45.00	45.00	HDPE
RD-1-06	CB-720	18	38.89	38.44	64	0.70	44.26	42.60	HDPE
RD-1-07	RD-1-06	8	39.93	39.74	31	0.60	44.20	44.26	HDPE
RD-1-08	RD-1-06	15	39.31	39.14	28	0.60	44.40	44.26	HDPE
RD-1-09	RD-1-08	15	39.58	39.31	44	0.60	45.00	44.40	HDPE
RD-1-10	RD-1-09	15	40.24	39.58	112	0.60	45.35	45.00	HDPE
RD-1-11	RD-1-10	15	40.44	40.24	33	0.60	45.60	45.35	HDPE
RD-1-12	RD-1-11	15	40.63	40.44	32	0.60	45.60	45.60	HDPE
RD-1-13	RD-1-12	12	41.10	40.88	36	0.60	45.60	45.60	HDPE
RD-1-14	RD-1-13	12	41.27	41.10	28	0.60	45.60	45.60	HDPE
RD-1-15	CB-603	8	39.75	39.12	125	0.50	44.78	43.56	HDPE
RD-BLDG2	YI-118	15	38.18	37.91	53	0.50	43.25	42.00	HDPE
RD-BLDG3	CB-116	12	37.89	37.50	39	1.00	43.57	41.84	HDPE
RD-BLDG4	CB-402	12	38.35	38.25	21	0.50	42.75	41.47	HDPE
RD-BLDG5	CB-405	12	38.44	38.29	29	0.50	42.57	41.53	HDPE
RD-BLDG6	CB-108	12	39.00	38.58	42	0.99	43.14	41.94	HDPE
RD-BLDG7	MH-110	12	38.59	38.42	35	0.50	44.50	44.40	HDPE
RD-BLDG8	MH-110	12	38.46	38.42	9	0.51	44.50	44.40	HDPE

SEE SHEET C-3.5 FOR BUILDING #1 ROOF DRAIN SYSTEM LABELS.

NOTATION:

CB = CATCH BASIN
DI = DROP INLET
YI = YARD INLET
GP = STORM STRUCTURE BY OTHERS (SEE HANOVER DESIGN SERVICES, P.A. PLANS)
DCB = DOUBLE CATCH BASIN
DDI = DOUBLE DROP INLET
MH = STORM MANHOLE

STORMWATER MANAGEMENT WET POND NOTE:

TRACT B IS A PORTION OF THE OVERALL (107+/- ACRE) DRAINAGE AREA THAT FLOWS TO THE BARCLAY WEST WET POND NO. 1. THE WET POND WAS DESIGNED AND PERMITTED THROUGH PLANS PREPARED BY HANOVER DESIGN SERVICES, PA AND SIGNED AND SEALED BY DAVID S. HOLLIS, PE (NCPE 20007).

NOTES:

1.) SEE GENERAL NOTES SHEET (C-1.0) FOR GRADING, DRAINAGE AND EROSION CONTROL NOTES AND DETAILS FOR MORE INFORMATION.

2.) SEE FINE GRADING PLANS (SHEETS C-3.3 THROUGH C-3.6) FOR PROPOSED SPOT ELEVATIONS.

3.) ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL CITY OF WILMINGTON AND NEW HANOVER COUNTY STANDARDS AND SPECIFICATIONS.

4.) 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.

5.) GEOTECHNICAL TESTING HAS NOT BEEN PERFORMED ON-SITE AT THIS TIME. A GEOTECHNICAL ENGINEER SHALL BE CONSULTED TO CONFIRM SUITABILITY OF SUBGRADE MATERIAL AND PROPER COMPACTION IN FILL AREAS.

6.) 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.

7.) 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."

8.) 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:

1.) SITE CONTRACTOR SHALL STRIP TOPSOIL AND ANY UNSUITALBE 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:

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

DRAINAGE NOTES:

1.) DRAINAGE EASEMENT AND STORMWATER SYSTEM MAINTENANCE IS THE RESPONSIBILITY OF THE DEVELOPER OR HOA, INCLUDING PONDS, PIPES, AND INFILTRATION BASINS AND TRENCHES.

2.) ALL IMPERVIOUS MUST DRAIN TO THE DESIGNED STORMWATER SYSTEM, PER THE APPROVED PLANS.

3.) NO OBSTRUCTIONS ARE ALLOWED IN DRAINAGE EASEMENTS, INCLUDING FENCES.

4.) ALL STORM DRAINAGE STRUCTURES SHALL MEET NCDOT STANDARDS AND SPECIFICATIONS AND SHALL BE TRAFFIC RATED FOR H-20 LOADS AT A MINIMUM.

5.) ALL CATCH BASIN (CB) RIM ELEVATIONS AND YARD INLET (YI) THROAT ELEVATIONS ARE LISTED AS THE "GUTTER OF FLOWLINE ELEVATION" WITHIN THE CURB SECTION. THE CONTRACTOR SHALL MAINTAIN A UNIFORM EDGE OF PAVEMENT (EOP) WHEN PLACING THE STORM INLETS WITHIN THE CURB-LINE (SEE "CURB TRANSITION" DETAIL). FOR CATCH BASINS WITHIN A TRANSITION FROM 24" STANDARD CURB & GUTTER, THE RIM ELEVATION GIVEN IS 1 INCH BELOW EOP.

6.) MANHOLE RIM ELEVATION SHOWN ABOVE IS FLUSH WITH PROPOSED GRADE. CONTRACTOR SHALL PROVIDE 6" CLEARANCE ABOVE PROPOSED GRADE WHEN PLACED IN A GRASS/PERVIOUS AREA; AND A FLUSH CONDITION WITH PROPOSED PAVEMENT OR IMPERVIOUS COVER.

7.) PROPOSED BUILDINGS SHALL DIVERT ROOF DRAINAGE TO STORMWATER COLLECTION SYSTEM.

8.) CONTRACTOR SHALL ADJUST ALL FRAMES OF EX. UTILITY INFRASTRUCTURE WITHIN ASPHALT OVERLAY AREAS TO MATCH PROPOSED GRADES.

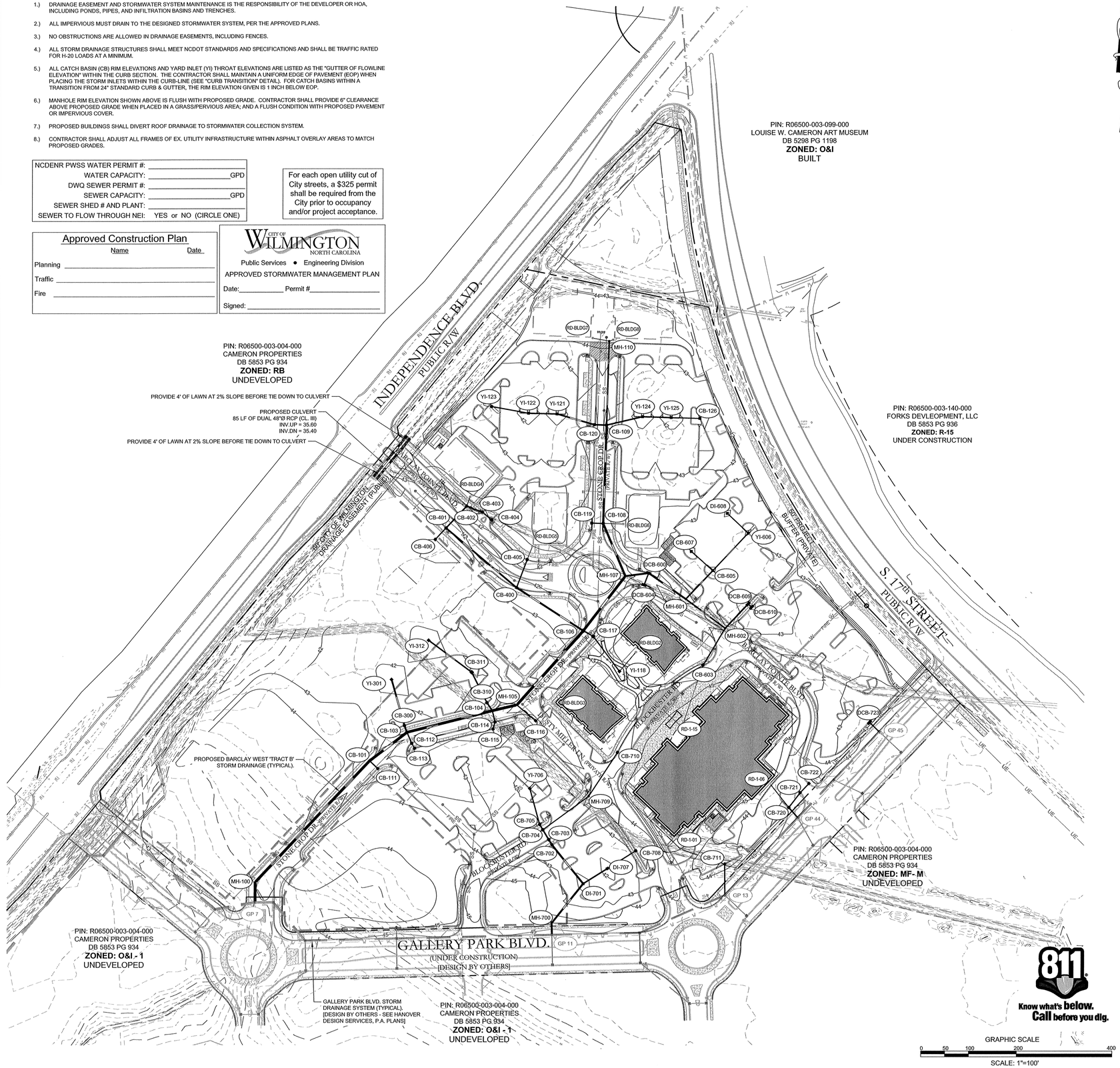
NCDENR PWSS WATER PERMIT #: _____
WATER CAPACITY: _____GPD
DWQ SEWER PERMIT #: _____
SEWER CAPACITY: _____GPD
SEWER SHED # AND PLANT: _____
SEWER TO FLOW THROUGH NEI: YES or NO (CIRCLE ONE)

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 11.23.15

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

OVERALL GRADING & DRAINAGE PLAN
THE POINTE AT BARCLAY
'BARCLAY WEST TRACT B'
CITY OF WILMINGTON
NORTH CAROLINA

PROJECT STATUS
CONCEPTUAL LAYOUT:
PRELIMINARY LAYOUT:
FINAL DESIGN:
RELEASED FOR CONST:

DRAWING INFORMATION
DATE: 04.14.15
SCALE: 1" = 100'
DESIGNED: DJF
DRAWN: DJF
CHECKED: TGC

SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 040501 11-23-15 DANIEL J. FISK

C-3.2

PEI JOB#: 14222.PE

NOTES:

1.) SEE GENERAL NOTES SHEET (C-1.0) FOR GRADING, DRAINAGE AND EROSION CONTROL NOTES AND DETAILS FOR MORE INFORMATION.

2.) SEE OVERALL GRADING AND DRAINAGE PLAN (SHEET C-3.2) FOR PROPOSED STORM SCHEDULE.

3.) ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL CITY OF WILMINGTON AND NEW HANOVER COUNTY STANDARDS AND SPECIFICATIONS.

4.) 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.

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7.) 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."

8.) 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:

1.) SITE CONTRACTOR SHALL STRIP TOPSOIL AND ANY UNSUITALBE 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:

1.) SITE CONTRACTOR SHALL STRIP TOPSOIL AND ANY UNSUITALBE 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		

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)

FUTURE BLDG. PAD #7 FFE = 44.5+/-

FUTURE BLDG. PAD #8 FFE = 44.5+/-

FUTURE BLDG. PAD #4 FFE = 44.2+/-

FUTURE BLDG. PAD #5 FFE = 44.2+/-

FUTURE BLDG. PAD #6 FFE = 44.2+/-

INDEPENDENCE BLVD. PUBLIC R/W

STONE CROP DR. (PRIVATE R/W)

BARCLAY POINTE BLVD (PRIVATE R/W)

S. 17th STREET PUBLIC R/W

SEE SHEET C-3.4

SEE SHEET C-3.5

GRAPHIC SCALE
0 15 30 60 120
SCALE: 1"=30'

Know what's below. Call before you dig. 811

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:
1) PER CITY OF WILMINGTON ENGINEERING COMMENTS 11.23.15

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

PARAMOUNTE 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:
FINAL DESIGN:
RELEASED FOR CONST:

DRAWING INFORMATION
DATE: 06.14.15
SCALE: 1" = 30'
DESIGNED: DJF
DRAWN: TCC
CHECKED:

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER
040501
11.25.15
DANIEL J. FISK

C-3.3

PEI JOB#: 14222.PE

SEE SHEET C-3.3

SEE SHEET C-3.5

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 SHED # AND PLANT: _____
SEWER TO FLOW 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: _____

811 Know what's below. Call before you dig.

GRAPHIC SCALE
0 15 30 60 120
SCALE: 1"=30'

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:
1) PER CITY OF WILMINGTON ENGINEERING COMMENTS 11.23.15

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Wilmington, North Carolina 28403
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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:
FINAL DESIGN:
RELEASED FOR CONST:

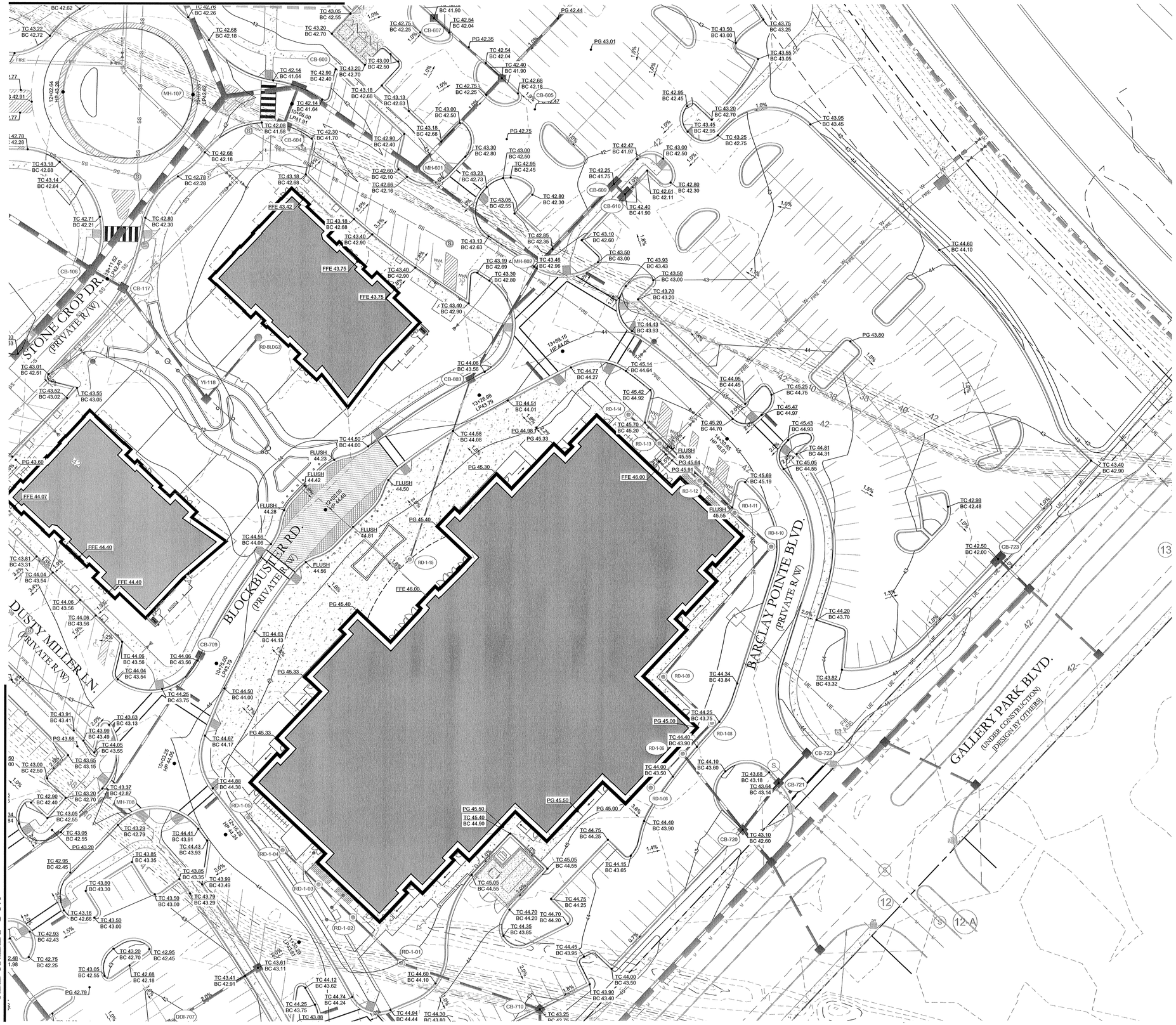
DRAWING INFORMATION
DATE: 09.14.15
SCALE: 1" = 30'
DESIGNED: DJF
DRAWN: DJF
CHECKED: TGC

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 040501 DANIEL J. FISK 11.23.15

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 #:	
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		

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

Know what's below. Call before you dig.

GRAPHIC SCALE
0 15 30 60 120
SCALE: 1"=30'

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:
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CLIENT INFORMATION:
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FINE GRADING PLAN

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

PROJECT STATUS
CONCEPTUAL LAYOUT:
PRELIMINARY LAYOUT:
FINAL DESIGN:
RELEASED FOR CONST:

DRAWING INFORMATION
DATE: 08.14.15
SCALE: 1" = 30'
DESIGNED: DJF
DRAWN: DJF
CHECKED: TPC

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 060501 11-23-15 DANIEL J. FISH

C-3.5

PEI JOB#: 14222.PE

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.

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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		

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

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GRAPHIC SCALE
0 15 30 60 120
SCALE: 1"=30'

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

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FINE GRADING PLAN
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'BARCLAY WEST TRACT B'
CITY OF WILMINGTON
NORTH CAROLINA

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CONCEPTUAL LAYOUT:
PRELIMINARY LAYOUT:
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RELEASED FOR CONST:

DRAWING INFORMATION
DATE: 09.14.15
SCALE: 1"=30'
DESIGNED: DJF
DRAWN: DJF
CHECKED: TGC

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 040501 DANIEL J. FISK 11.23.15

C-3.6

PEI JOB#: 14222.PE

811 Know what's below. Call before you dig.

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: _____

GRAPHIC SCALE
0 50 100 200 400
SCALE: 1"=100'

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

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

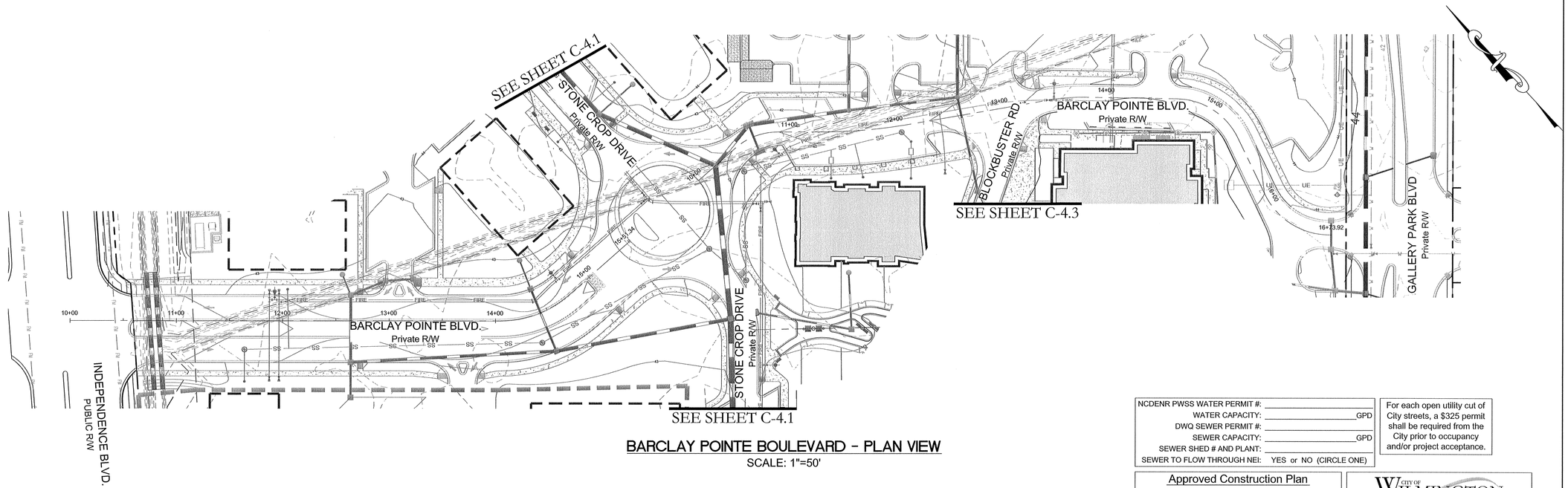
PROJECT STATUS
CONCEPTUAL LAYOUT:
PRELIMINARY LAYOUT:
FINAL DESIGN:
RELEASED FOR CONST.: ✓

DRAWING INFORMATION
DATE: 09.14.15
SCALE: 1" = 100'
DESIGNED: DJF
DRAWN: DJF
CHECKED: TGC

SEAL
NORTH CAROLINA PROFESSIONAL 040501 ENGINEER DANIEL J. FISK
11.23.15

INDEX

PEI JOB#: 14222.PE



BARCLAY POINTE BOULEVARD - PLAN VIEW

SCALE: 1"=50'

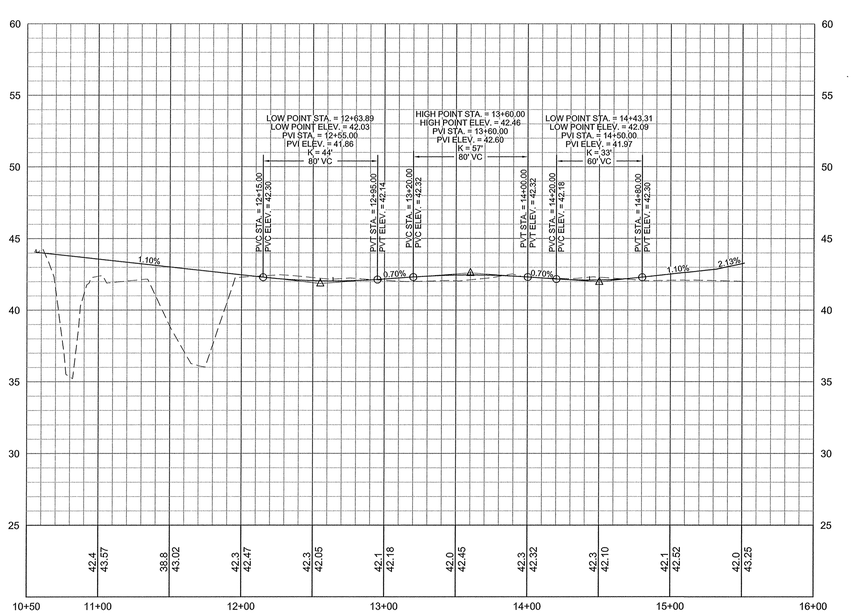
NCDENR PWSS WATER PERMIT #:	
WATER CAPACITY:	GPD
DWQ SEWER PERMIT #:	
SEWER CAPACITY:	GPD
SEWER SHED # AND PLANT:	
SEWER TO FLOW THROUGH NEI:	YES or NO (CIRCLE ONE)

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		

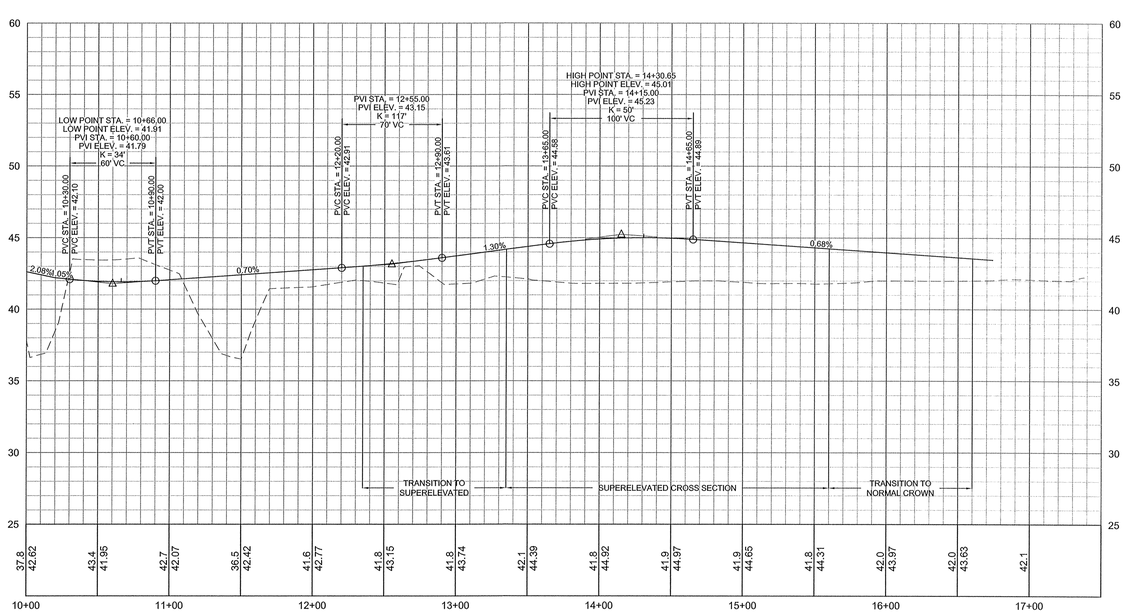
CITY OF WILMINGTON NORTH CAROLINA
Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN
Date: Permit #
Signed:



BARCLAY POINTE BOULEVARD - PROFILE VIEW

(INDEPENDANCE BLVD. TO TRAFFIC CIRCLE)
HORIZONTAL SCALE: 1"=50'
VERTICAL SCALE: 1"=5'

811 Know what's below. Call before you dig.



BARCLAY POINTE BOULEVARD - PROFILE VIEW

(TRAFFIC CIRCLE TO GALLERY PARK BLVD.)
HORIZONTAL SCALE: 1"=50'
VERTICAL SCALE: 1"=5'

GRAPHIC SCALE
0 25 50 100 200
SCALE: 1"=50'

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

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

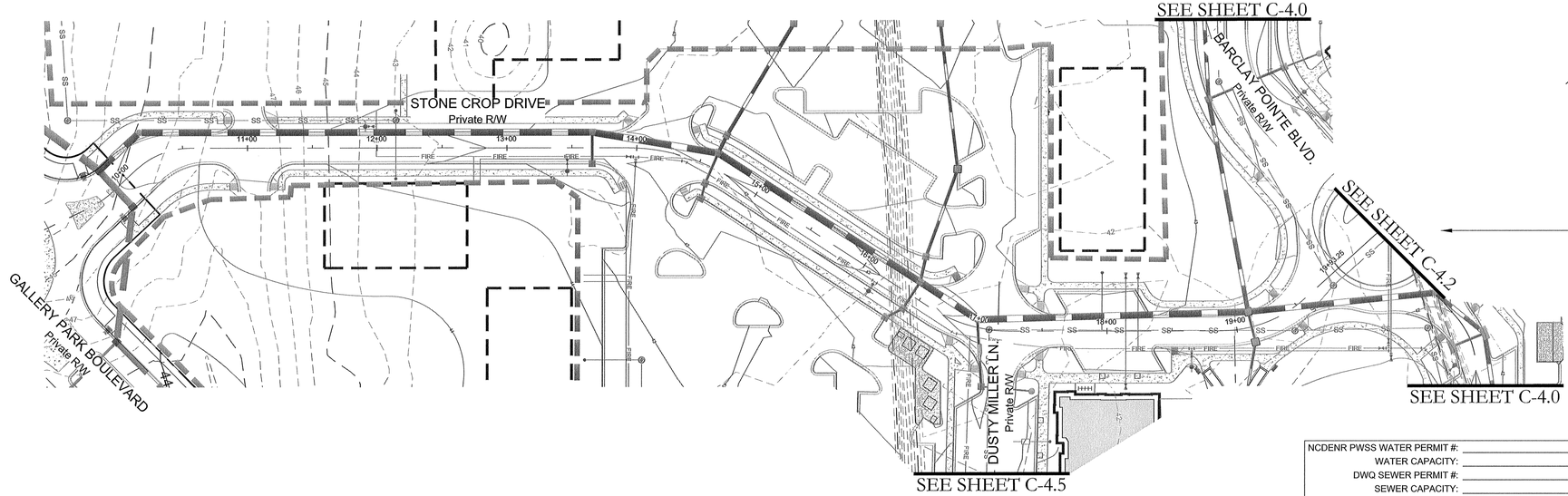
PROJECT STATUS
CONCEPTUAL LAYOUT:
PRELIMINARY LAYOUT:
FULL DESIGN:
RELEASED FOR CONST:

DRAWING INFORMATION
DATE: 09.14.15
SCALE: 1" = 50'
DESIGNED: DJF
DRAWN: TGC
CHECKED:

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER
040501
11.23.15
DANIEL J. FISK

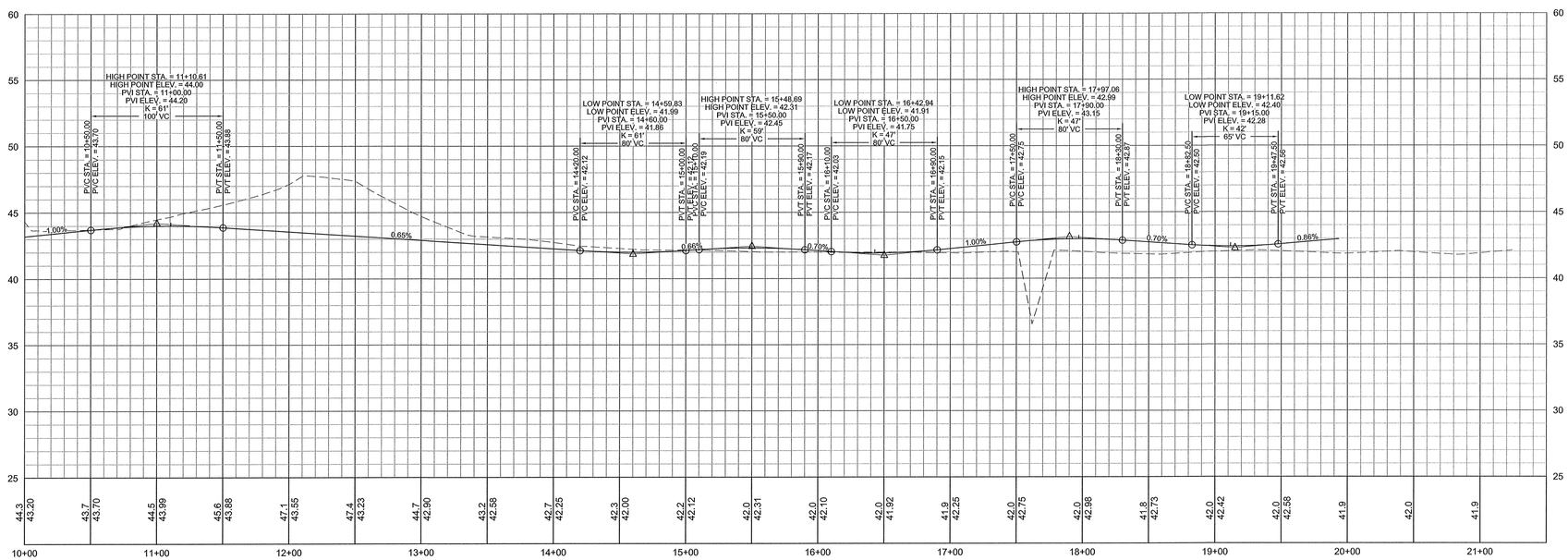
C-4.0

PEI JOB#: 14222.PE



STONE CROP DRIVE - PLAN VIEW

SCALE: 1"=50'



STONE CROP DRIVE - PROFILE VIEW

(GALLERY PARK BLVD. TO TRAFFIC CIRCLE)

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)

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Approved Construction Plan

	Name	Date
Planning		
Traffic		
Fire		

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

811 Know what's below. Call before you dig.

GRAPHIC SCALE
0 25 50 100 200
SCALE: 1"=50'

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:
1) PER CITY OF WILMINGTON ENGINEERING COMMENTS 11.23.15

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

PARAMOUNTE 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

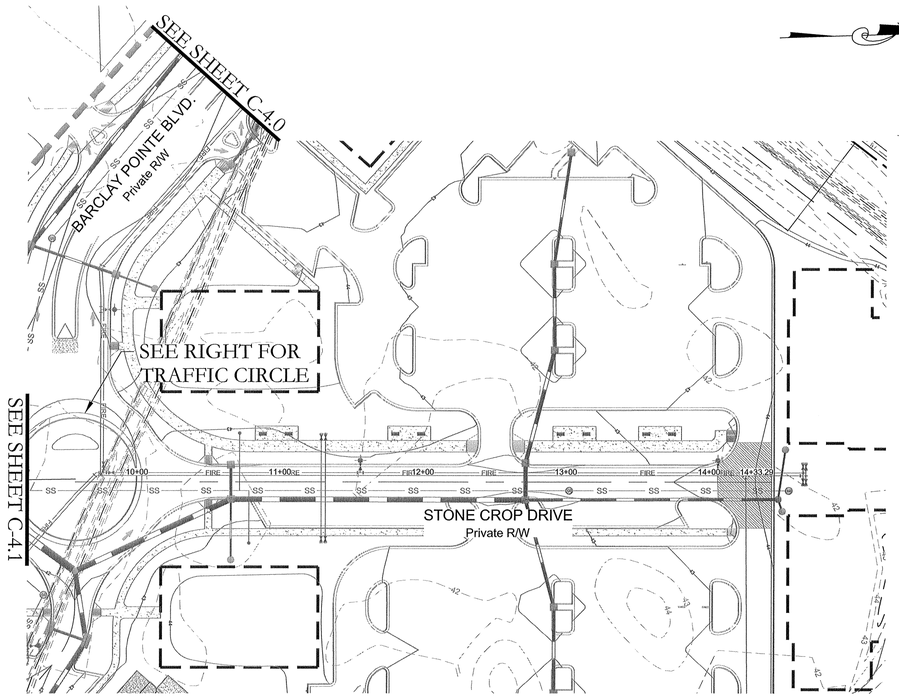
PROJECT STATUS
CONCEPTUAL LAYOUT:
PRELIMINARY LAYOUT:
FINAL DESIGN:
RELEASED FOR CONST:

DRAWING INFORMATION
DATE: 09.14.15
SCALE: 1" = 50'
DESIGNED: DJF
DRAWN: DJF
CHECKED: TGC

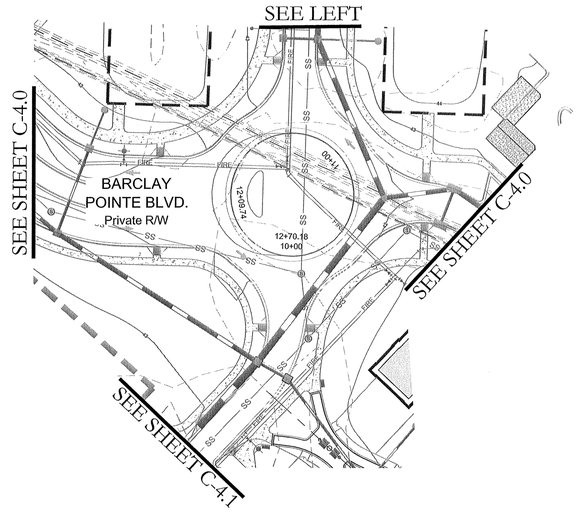
SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 040501 11.23.15 REGISTERED DANIEL J. FISK

C-4.1

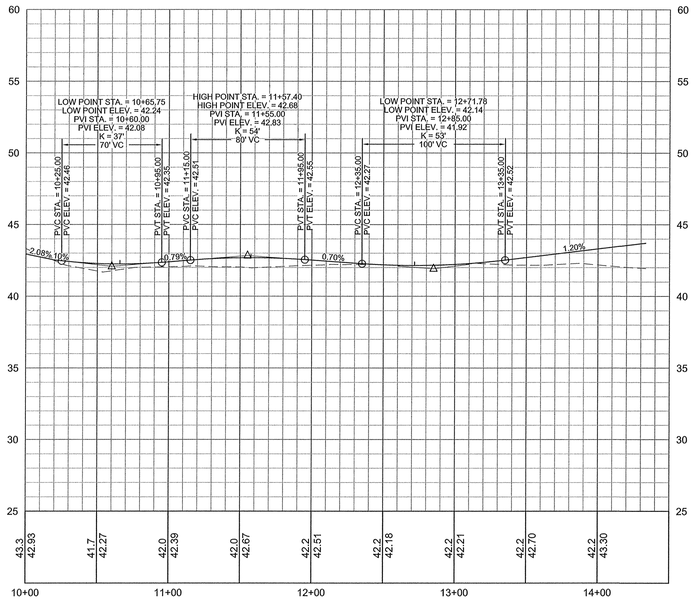
PEI JOB#: 14222.PE



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'

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)

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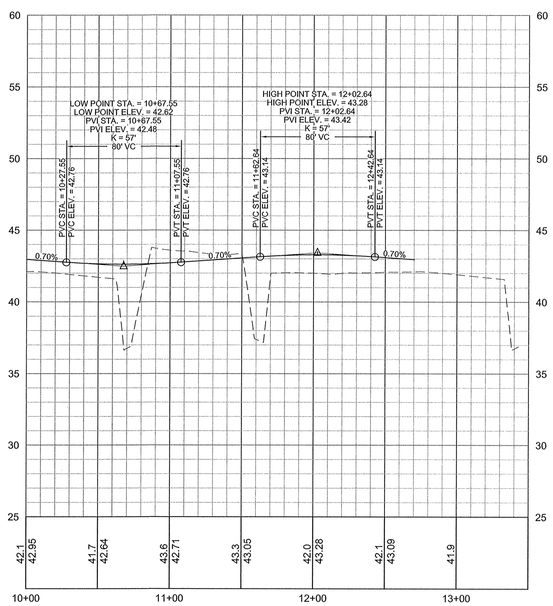
Approved Construction Plan

	Name	Date
Planning		
Traffic		
Fire		

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

811
Know what's below.
Call before you dig.



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

GRAPHIC SCALE
0 25 50 100 200
SCALE: 1"=50'

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

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

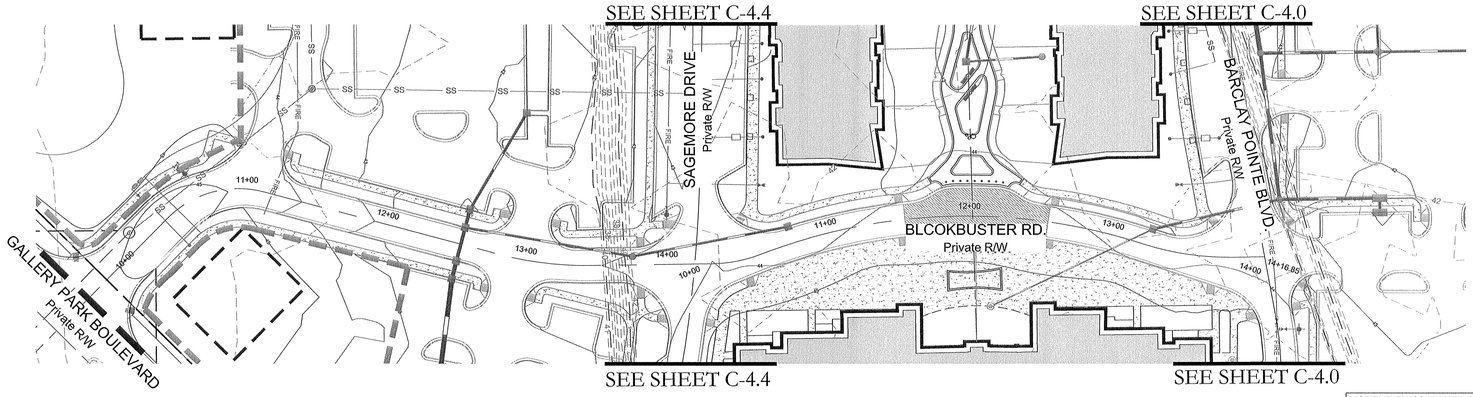
PROJECT STATUS
PRELIMINARY LAYOUT:
PRELIMINARY LAYOUT:
FINAL DESIGN:
RELEASED FOR CONST:

DRAWING INFORMATION
DATE: 09.14.15
SCALE: 1" = 50'
SURVEYED: DJF
DRAWN: DJF
CHECKED: TDC

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 040501 11.23.15 ENGINEER DANIEL J. FISK

C-4.2

PEI JOB#: 14222.PE



BLOCKBUSTER ROAD - 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)

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	Name	Date
Planning		
Traffic		
Fire		

CITY OF WILMINGTON
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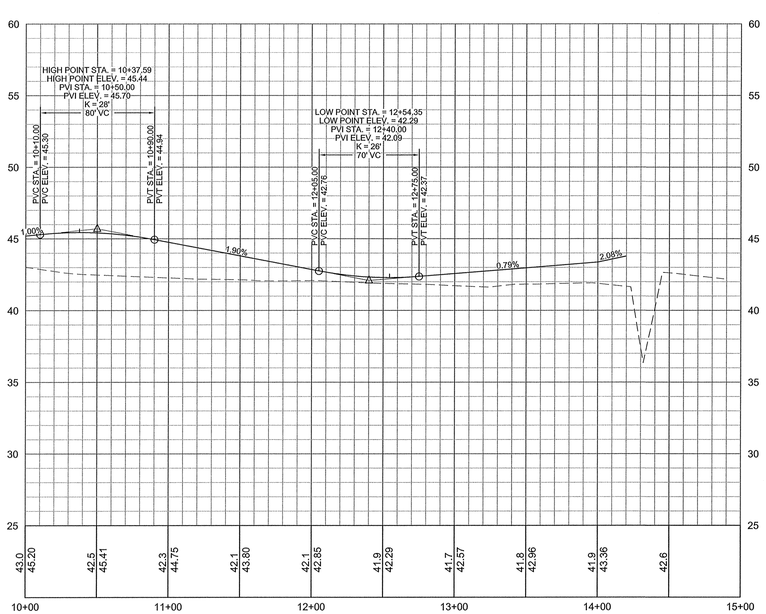


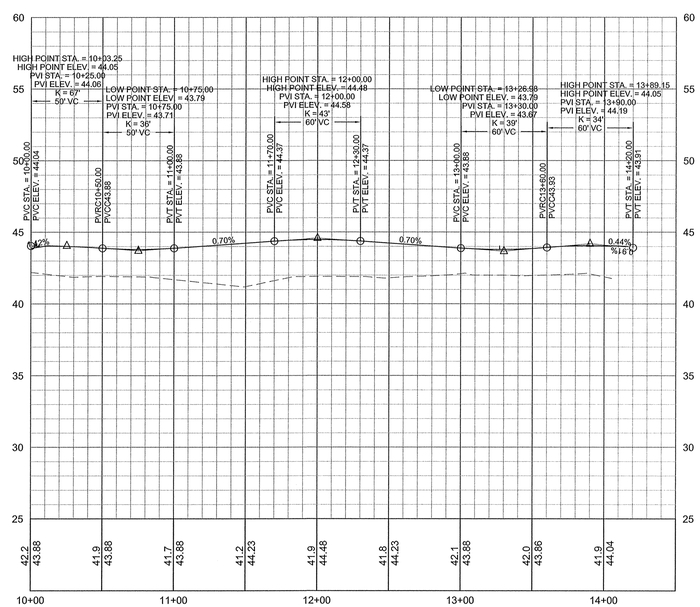
BLOCKBUSTER ROAD - PROFILE VIEW

(GALLERY PARK BLVD. TO SAGEMORE DRIVE)

HORIZONTAL SCALE: 1"=50'

VERTICAL SCALE: 1"=5'

Know what's below. Call before you dig.



BLOCKBUSTER ROAD - PROFILE VIEW

(SAGEMORE DRIVE TO POINTE BOULEVARD)

HORIZONTAL SCALE: 1"=50'

VERTICAL SCALE: 1"=5'

GRAPHIC SCALE
0 25 50 100 200
SCALE: 1"=50'

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:
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NC License #: C-2846

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

PROJECT STATUS
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FINAL DESIGN:
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DRAWING INFORMATION
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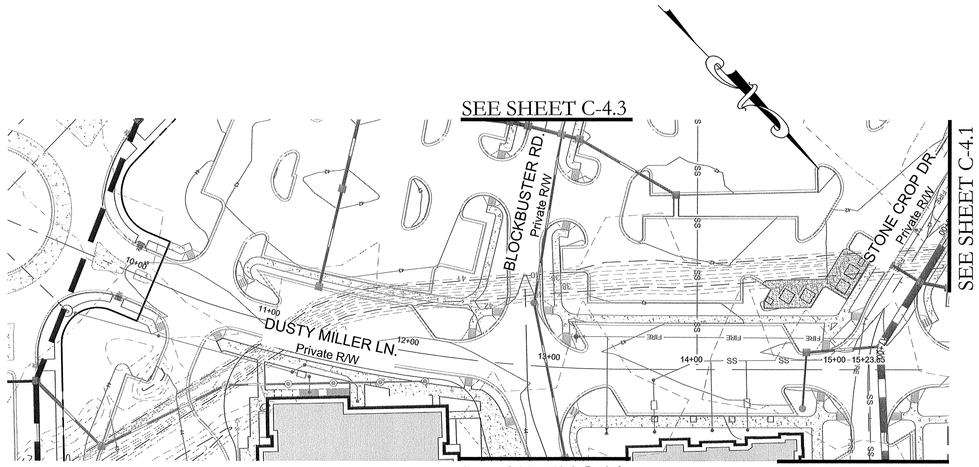
SCALE: 1" = 50'
DESIGNED: DJF
DRAWN: DJF
CHECKED: TGC

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER
040501
11.23.15
ENGINEER DANIEL J. FISK

C-4.3

PEI JOB#: 14222.PE



DUSTY MILLER LANE - PLAN VIEW

SCALE: 1"=50'

DUSTY MILLER LANE - PROFILE VIEW

HORIZONTAL SCALE: 1"=50'

VERTICAL SCALE: 1"=5'

811 Know what's below. Call before you dig.

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: _____

GRAPHIC SCALE

0 25 50 100 200

SCALE: 1"=50'

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:

1) PER CITY OF WILMINGTON ENGINEERING COMMENTS	11.23.15

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 (O) (910) 791-6760 (F)
NC License #: C-2846

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

PROJECT STATUS
CONCEPTUAL LAYOUT:
PRELIMINARY LAYOUT:
FINAL DESIGN:
RELEASED FOR CONST.:

DRAWING INFORMATION
DATE: 09.14.15
SCALE: 1" = 50'
DESIGNED: MF
DRAWN: DJF
CHECKED: TGC

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER
040501
11.23.15
ENGINEER
DANIEL J. FISK

C-4.4

PEI JOB#: 14222.PE