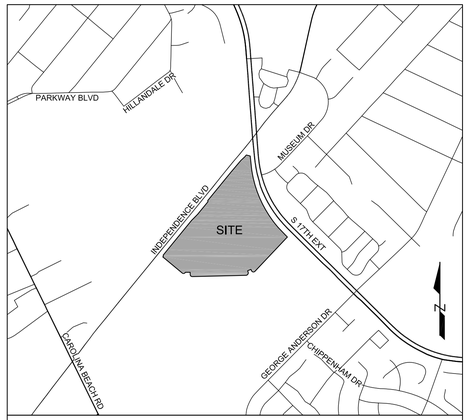
# GALLERY PARK
# PHASE 1

## WILMINGTON, NORTH CAROLINA

### MAJOR SITE PLAN TRC/SRB SUBMITTAL SET
### JUNE 2015

PROJECT ADDRESS:
3401 INDEPENDENCE BLVD
Wilmington, NC 28412



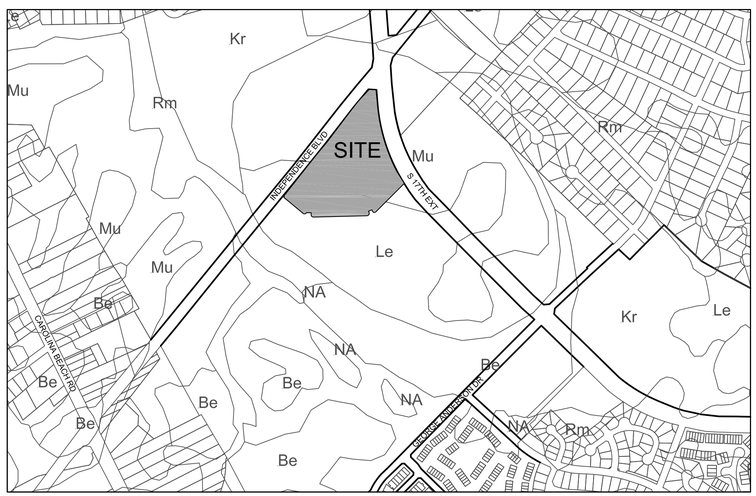

VICINITY MAP
SCALE: 1' = 1000'

| | |
|---|---|
| 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-5.3 | UTILITY PLAN |
| C-6.0 | EROSION CONTROL DETAILS |
| C-7.0 | DETAILS |

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

PRELIMINARY DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:
Rev 1 per TRC comments 06/14/15
Rev 2 per TRC comments 06/29/15

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

COVER SHEET
THE POINTE AT BARCLAY
CITY OF WILMINGTON
NORTH CAROLINA

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

DRAWING INFORMATION
DATE: 06/29/15
SCALE: AS NOTED
DESIGNED: DRW
DRAWN: JDW
CHECKED: AHE

SEAL

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. CLEAR AND REMOVE FROM SITE ALL TREES (ONLY ONES TO BE REMOVED), ROOTS, ROOT MAT, ETC. FROM THE AREA WITHIN THE DESIGNATED CLEARING LIMITS.
3. INSTALL REMAINING EROSION CONTROL MEASURES AS SHOWN ON THE PLANS WITHIN THE AREA DISTURBED. ALL EROSION CONTROL MEASURES MUST BE INSTALLED BEFORE COMMENCING CONSTRUCTION.
4. PLANT GRASS OVER ALL GRADED AREAS WITHIN 14 WORKING DAYS OF CEASE OF ANY GRADING ACTIVITY.
5. 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.
6. 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.
7. DURING GRADING AND AFTER GRADING HAS BEEN COMPLETED, THE CONTRACTOR SHALL CONTINUE TO MAINTAIN PERMANENT AND TEMPORARY EROSION CONTROL MEASURES UNTIL FINAL APPROVAL.
8. UPON RECEIVING FINAL APPROVAL, THE CONTRACTOR CAN REMOVE TEMPORARY EROSION CONTROL MEASURES.
9. 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 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 WIRE AND ROCK INLET PROTECTION AT LEAST ONCE A WEEK AND AFTER EACH SIGNIFICANT ($\frac{1}{2}$ INCH OR GREATER) RAINFALL EVENT AND REPAIR IMMEDIATELY. REMOVE SEDIMENT AND RESTORE THE SEDIMENT STORAGE AREA TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH OF THE TRAP. PLACE THE SEDIMENT THAT IS REMOVED IN THE DESIGNATED DISPOSAL AREA AND REPLACE THE CONTAMINATED PART OF THE GRAVEL FACING.

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 |

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.

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)

PRELIMINARY 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:

| | |
|---|---|
| Rev 1 per TRC comments | 08/14/15 |
| Rev 2 per TRC comments | 08/28/15 |

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
CITY OF WILMINGTON
NORTH CAROLINA

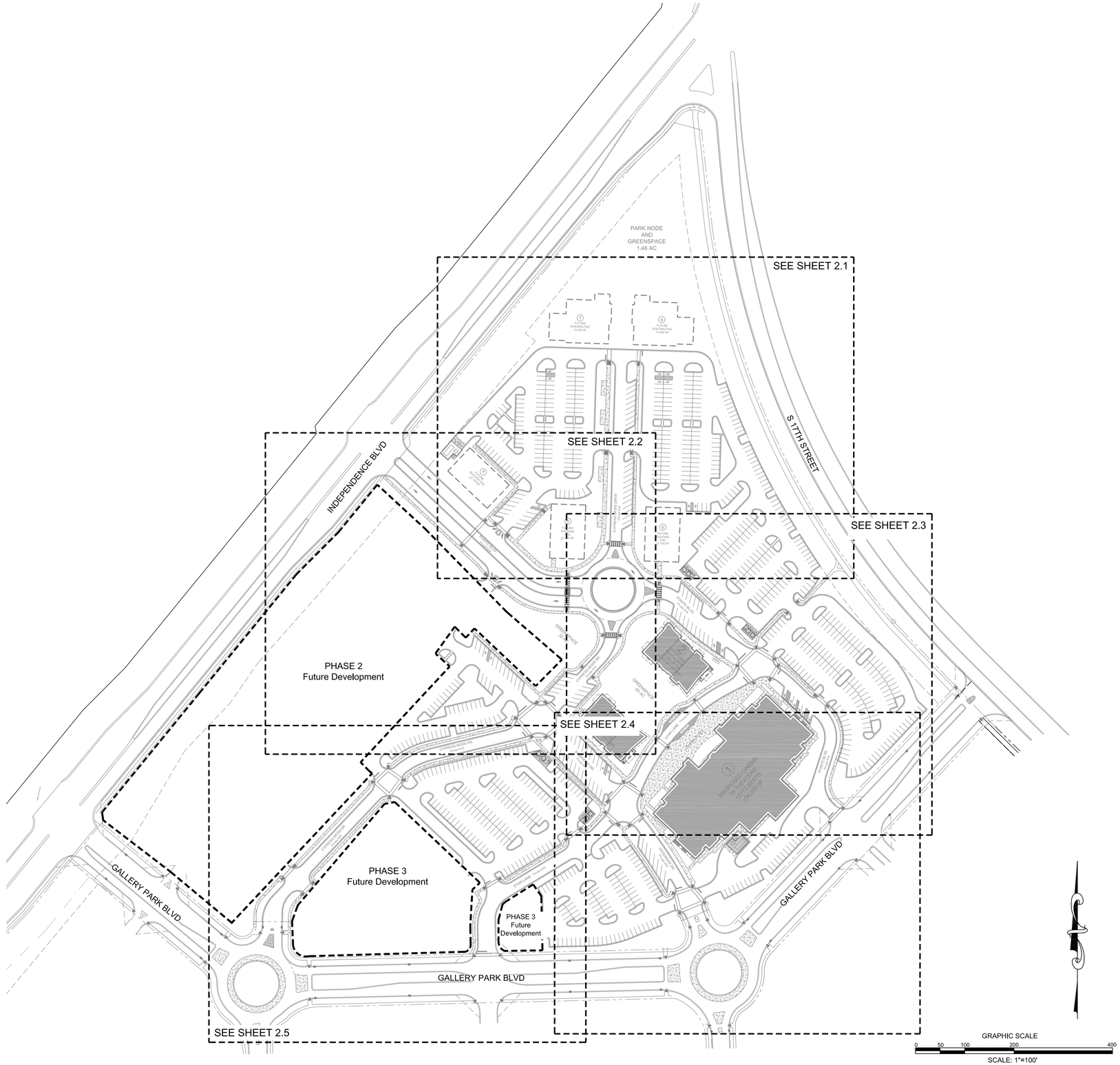
PROJECT STATUS
CONCEPTUAL LAYOUT:
PRELIMINARY LAYOUT:
FINAL DESIGN:
RELEASED FOR CONST:

DRAWING INFORMATION
DATE: 06/10/15
SCALE: 1" = 100'
DESIGNED: DHW
DRAWN: JCM
CHECKED: AHE

SEAL

C-1.0

PEI JOB#: 14222.PE




PRELIMINARY DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:

| | |
|---|---|
| Rev 1 per TRC comments | 06/14/15 |
| Rev 2 per TRC comments | 06/29/15 |

CLIENT INFORMATION:

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

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(910) 791-6707 (O) (910) 791-6760 (F)
NC License #: C-2846

SITE PLAN

THE POINTE AT BARCLAY
CITY OF WILMINGTON
NORTH CAROLINA

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

DRAWING INFORMATION

| | |
|---|---|
| DATE: | 06/11/15 |
| SCALE: | 1" = 100' |
| DESIGNED: | DMW |
| DRAWN: | JCM |
| CHECKED: | AME |

SEAL

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<br>1201 GLEN MEADE RD<br>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: | BEFORE: 0 AC.<br>AFTER: 24.57 AC. |
| ZONING ACREAGE: | RB-CD: 34.12 AC<br>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

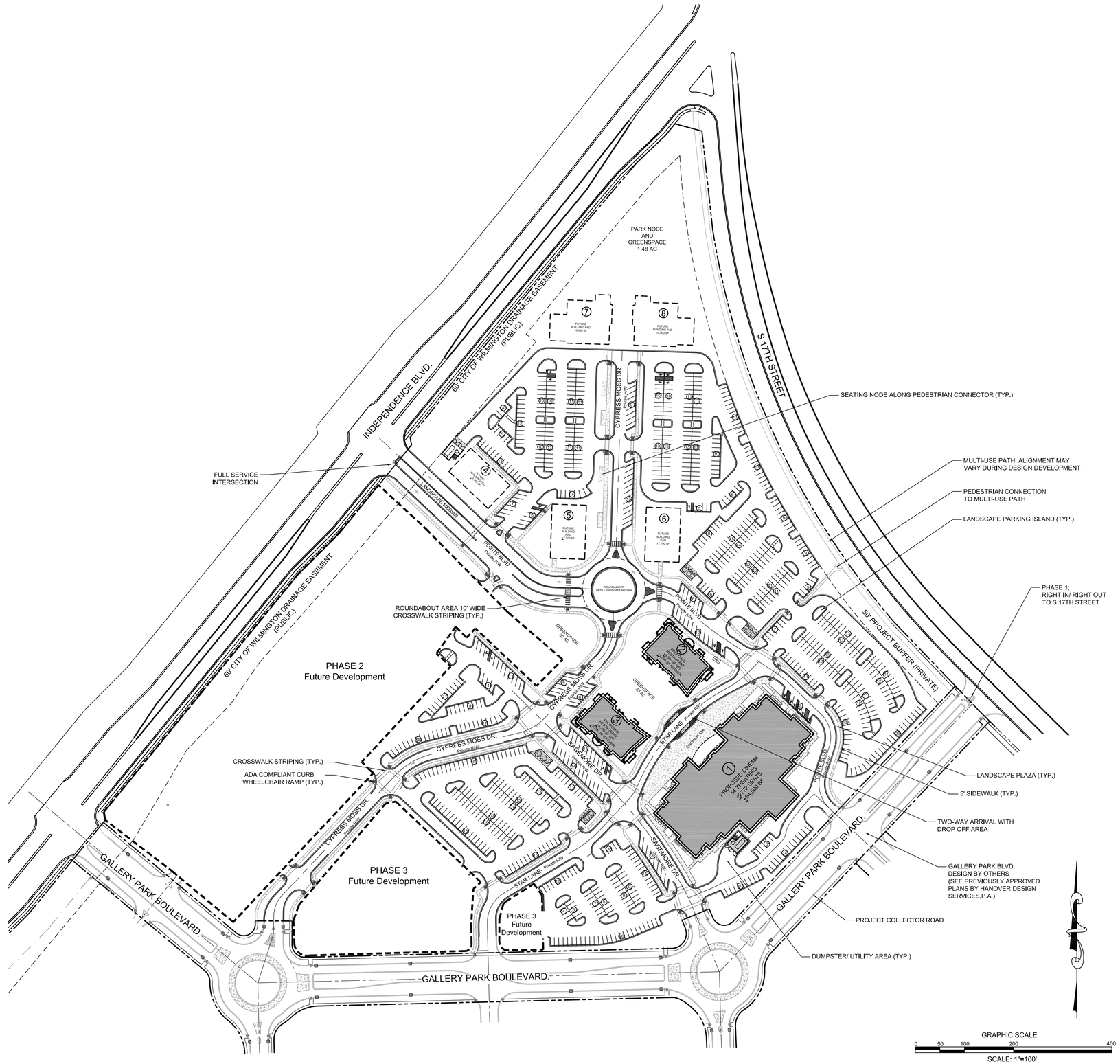
| | |
|---|---|
| - MINIMUM LOT AREA: | 1 ACRE |
| - MINIMUM LOT WIDTH: | 100' |
| - MAXIMUM LOT COVERAGE: | 40% |
| - MINIMUM FRONT SETBACK: | 0' (RB-CD) |
| - MINIMUM REAR SETBACK: | 15' |
| - MINIMUM INTERIOR SIDE SETBACK: | 0' |
| - MINIMUM CORNER LOT SIDE SETBACK: | 25' |
| - MAXIMUM BUILDING HEIGHT: | 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: | | 903 SPACES |
| THEATER PARKING REQUIRED: | 1 SPACE/ 4 SEATS; 2,772 SEATS/4 = | 693 SPACES |
| RESTAURANT PARKING REQUIRED: | 1 SPACE/ 80 SF - KITCHEN AREA;<br>18,600 SF - 6,000 SF = 12,600 SF/ 60 SF = | 210 SPACES |
| TOTAL PROVIDED: | | 967 SPACES |
| TOTAL HANDICAP SPACES REQUIRED: | 19 SPACES INCLUDING 3 VAN SPACES | |
| TOTAL PROVIDED: | 19 SPACES INCLUDING 6 VAN SPACES | |
| TOTAL BIKE PARKING REQUIRED: | 20 SPACES PER CITY ORDINANCE SECTION 18-528F | |
| TOTAL BIKE PARKING PROVIDED: | 20 SPACES PROVIDED | |




PRELIMINARY DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:

| | |
|---|---|
| Rev 1 per TRC comments | 06/14/15 |
| Rev 2 per TRC comments | 06/29/15 |

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
CITY OF WILMINGTON
NORTH CAROLINA

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

DRAWING INFORMATION
DATE: 06/10/15
SCALE: 1" = 100'
DESIGNED: DMW
DRAWN: JCM
CHECKED: AHE

SEAL

C-2.0

PEI JOB#: 14222.PE

INDEPENDENCE BLVD. MEDIAN

INDEPENDENCE BLVD.

60' CITY OF WILMINGTON DRAINAGE EASEMENT (PUBLIC)

7 FUTURE BUILDING PAD 10,000 SF

8 FUTURE BUILDING PAD 10,000 SF

SPECIALTY PAVERS FOR PARK NODE ENTRY

HANDICAPPED PARKING SIGN (TYP.)

ADA COMPLIANT PARKING (TYP.)

ADA COMPLIANT WHEELCHAIR RAMP (TYP.)

8' COLLECTOR SIDEWALK

SEATING NODE (TYP).

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

CONCRETE DRAINAGE FLUME (TYP.)

5' SIDEWALK (TYP.)

PEDESTRIAN CROSSING STRIPED (TYP.)

50' PROJECT BUFFER (PRIVATE)

17TH STREET

17TH STREET MEDIAN

4 FUTURE BUILDING PAD ±1,150 SF

5 FUTURE BUILDING PAD ±7,700 SF

STRIPED AT-GRADE MEDIAN

6 FUTURE BUILDING PAD ±7,700 SF

CYPRESS MOSS DRIVE Private R/W

POINTE BLVD. Private R/W

10' PEDESTRIAN CROSSING ADJACENT TO ROUNDABOUT

ROUNDABOUT

DUMPSTER & ENCLOSURE WITH CONCRETE PAD (TYP.)

MULTI-USE PATH

PEDESTRIAN CONNECTION TO MULTI-USE PATH

SEE SHEET 2.2

SEE SHEET 2.3

GRAPHIC SCALE

0 15 30 60 120

SCALE: 1"=30'

PRELIMINARY DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:

| | |
|---|---|
| Rev 1 per TRC comments | 06/14/15 |
| Rev 2 per TRC comments | 06/29/15 |

CLIENT INFORMATION:

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Wilmington, NC

PARAMOUNTE ENGINEERING
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NC License #: C-2846

SITE PLAN

THE POINTE AT BARCLAY
CITY OF WILMINGTON
NORTH CAROLINA

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

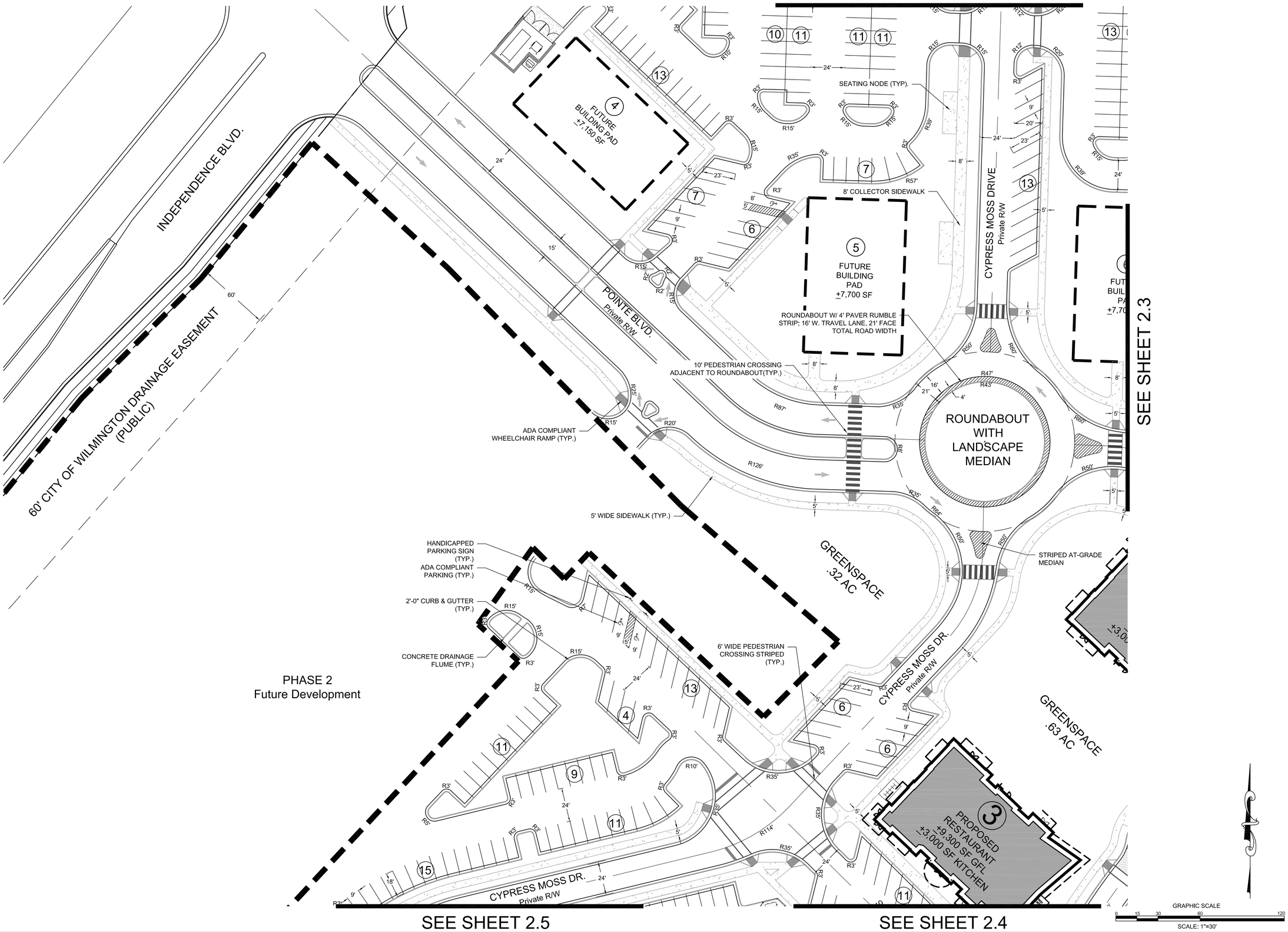
DRAWING INFORMATION

| | |
|---|---|
| DATE: | 06/10/15 |
| SCALE: | 1" = 30' |
| DESIGNED: | DHW |
| DRAWN: | AJM |
| CHECKED: | AHE |

SEAL

C-2.1

PEI JOB#: 14222.PE




PRELIMINARY DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:

| | |
|---|---|
| Rev 1 per TRC comments | 08/14/15 |
| Rev 2 per TRC comments | 08/28/15 |

CLIENT INFORMATION:

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

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Wilmington, North Carolina 28403
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NC License #: C-2846

SITE PLAN

THE POINTE AT BARCLAY
CITY OF WILMINGTON
NORTH CAROLINA

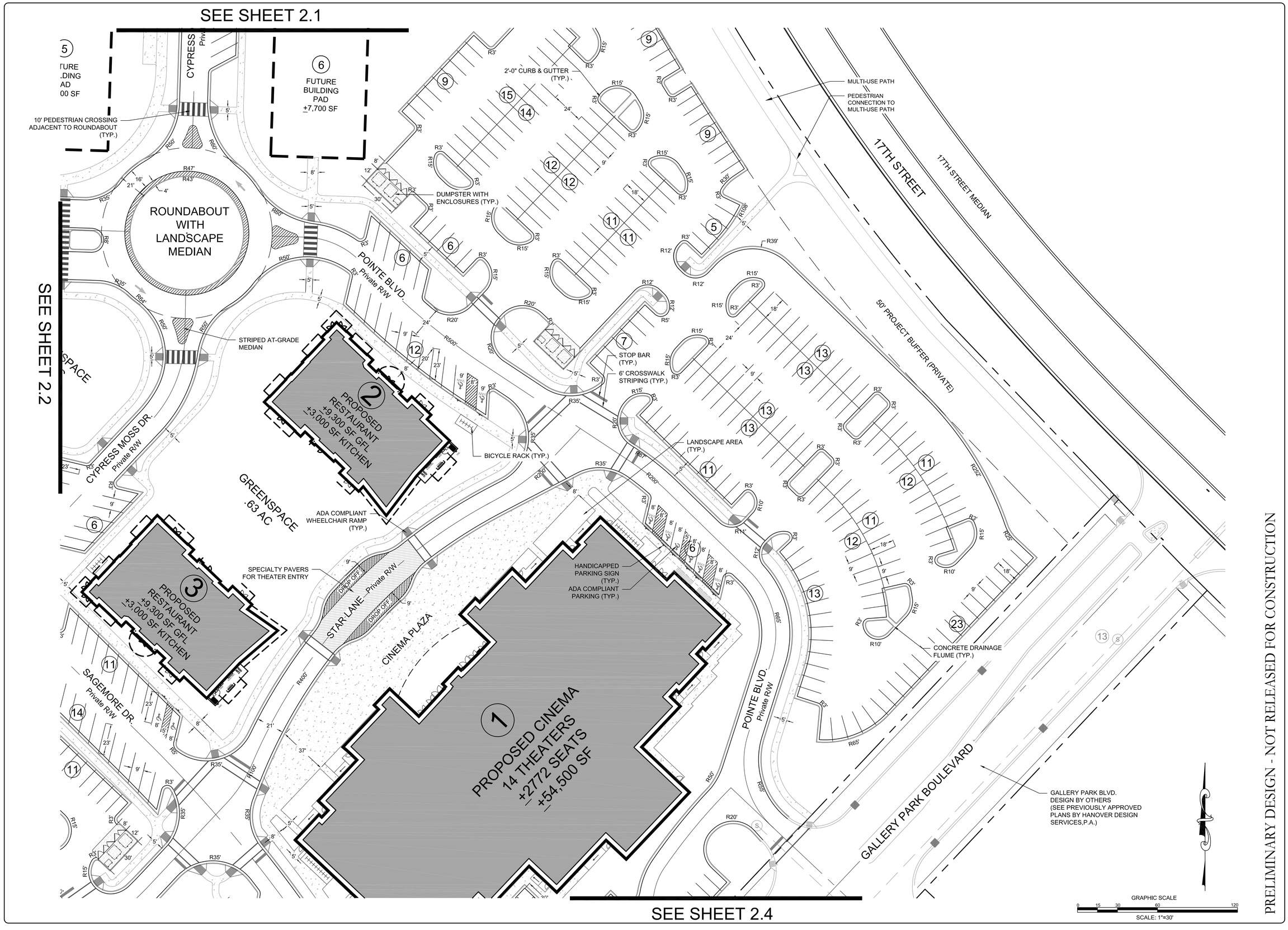
PROJECT STATUS
CONCEPTUAL LAYOUT:
PRELIMINARY LAYOUT:
FINAL DESIGN:
RELEASED FOR CONST:

DRAWING INFORMATION
DATE: 06/10/15
SCALE: 1" = 100'
DESIGNED: DHW
DRAWN: JCM
CHECKED: AHE

SEAL

C-2.2

PEI JOB#: 14222.PE




PRELIMINARY DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:

| | |
|---|---|
| Rev. 1 per TRC comments | 06/14/15 |
| Rev. 2 per TRC comments | 06/29/15 |

CLIENT INFORMATION:

Collett - Cameron Properties
25208 Independence Blvd. Suite 202
Wilmington, NC

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

SITE PLAN

THE POINTE AT BARCLAY
CITY OF WILMINGTON
NORTH CAROLINA

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

DRAWING INFORMATION
DATE: 06/19/15
SCALE: 1" = 30'
DESIGNED: DMW
DRAWN: JCG
CHECKED: AME

SEAL

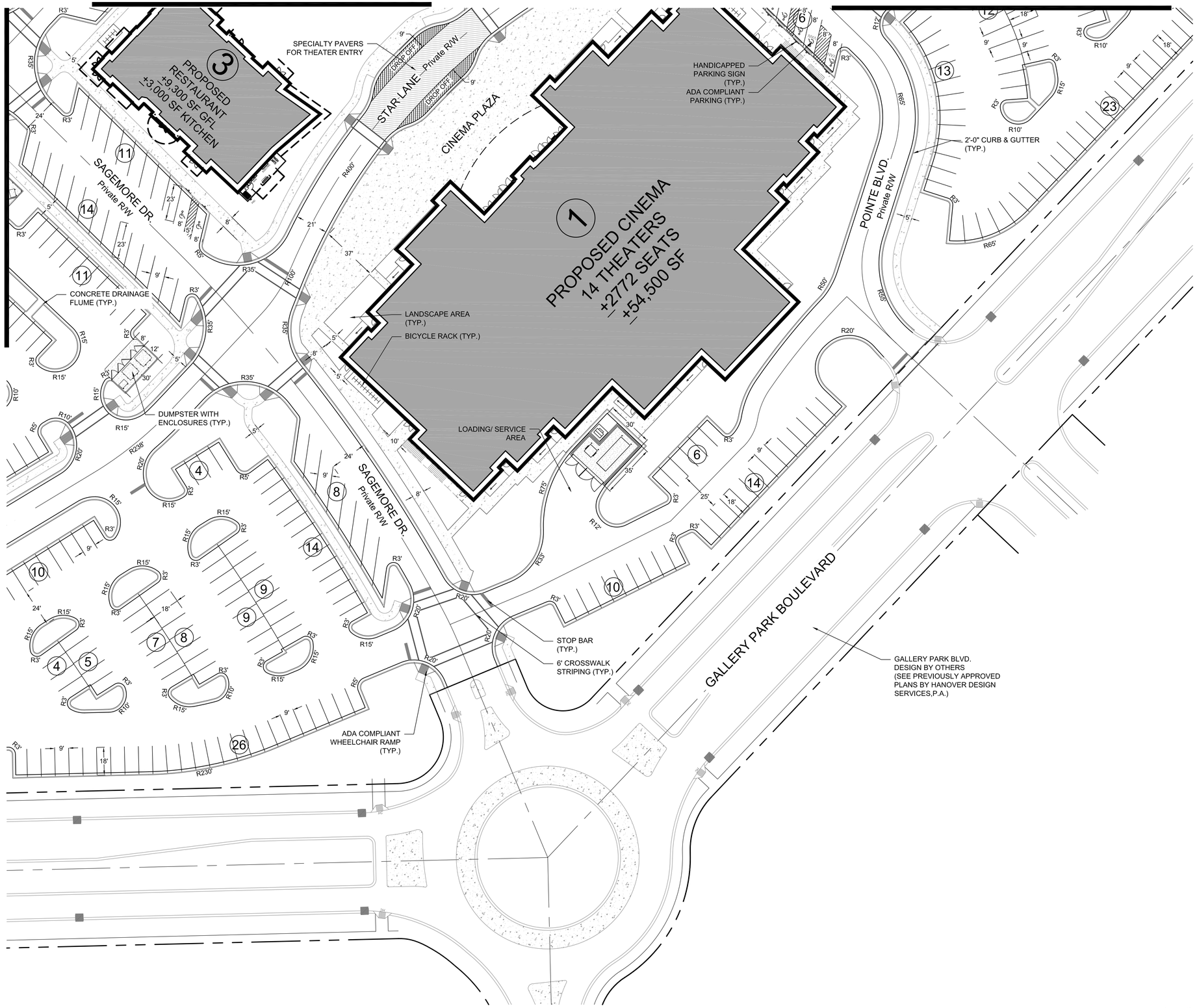
C-2.3

PEI JOB#: 14222.PE

SEE SHEET 2.2

SEE SHEET 2.3

SEE SHEET 2.5




GRAPHIC SCALE

0 15 30 60 120

SCALE: 1"=30'

PRELIMINARY DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:

| | |
|---|---|
| Rev. 1 per TRC comments | 06/14/15 |
| Rev. 2 per TRC comments | 06/29/15 |

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


SITE PLAN

THE POINTE AT BARCLAY
CITY OF WILMINGTON
NORTH CAROLINA

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

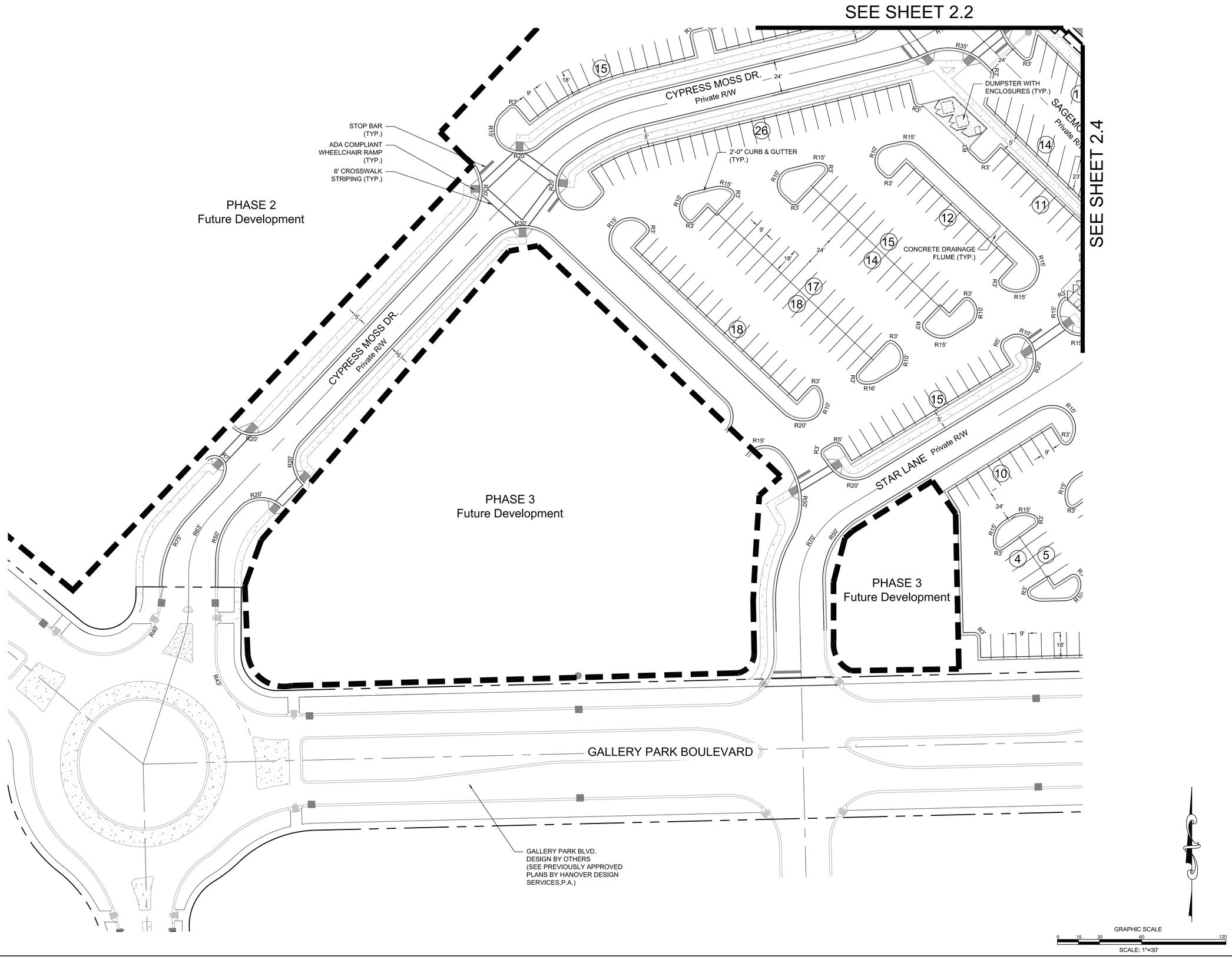
DRAWING INFORMATION

| | |
|---|---|
| DATE: | 06/10/15 |
| SCALE: | 1" = 30' |
| DESIGNED: | DMW |
| DRAWN: | T. JOY |
| CHECKED: | AHE |

SEAL

C-2.4

PEI JOB#: 14222.PE




PRELIMINARY DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:

| | |
|---|---|
| Rev 1 per TRC comments | 08/14/15 |
| Rev 2 per TRC comments | 08/28/15 |

CLIENT INFORMATION:

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

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Wilmington, North Carolina 28403
(910) 791-6707 (O) (910) 791-6760 (F)
NC License #: C-2846

SITE PLAN

THE POINTE AT BARCLAY
CITY OF WILMINGTON
NORTH CAROLINA

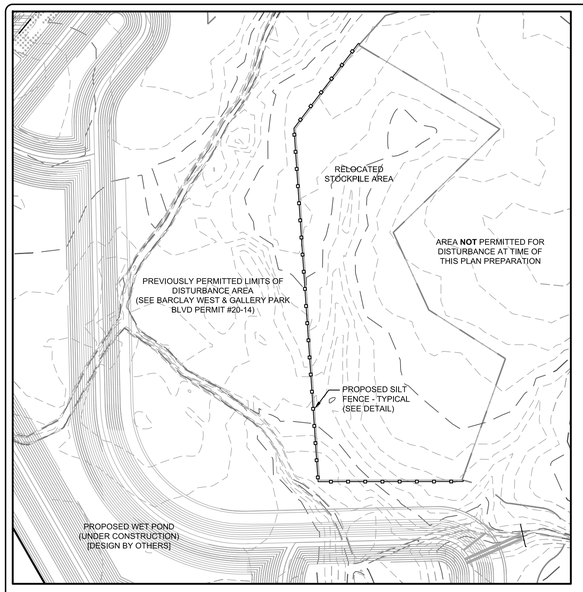
PROJECT STATUS
CONCEPTUAL LAYOUT:
PRELIMINARY LAYOUT:
FINAL DESIGN:
RELEASED FOR CONST:

DRAWING INFORMATION
DATE: 06/10/15
SCALE: 1" = 100'
DESIGNED: DHW
DRAWN: JCM
CHECKED: AHE

SEAL

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 = | 21.70 AC |
| TOTAL = | 68.15 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.

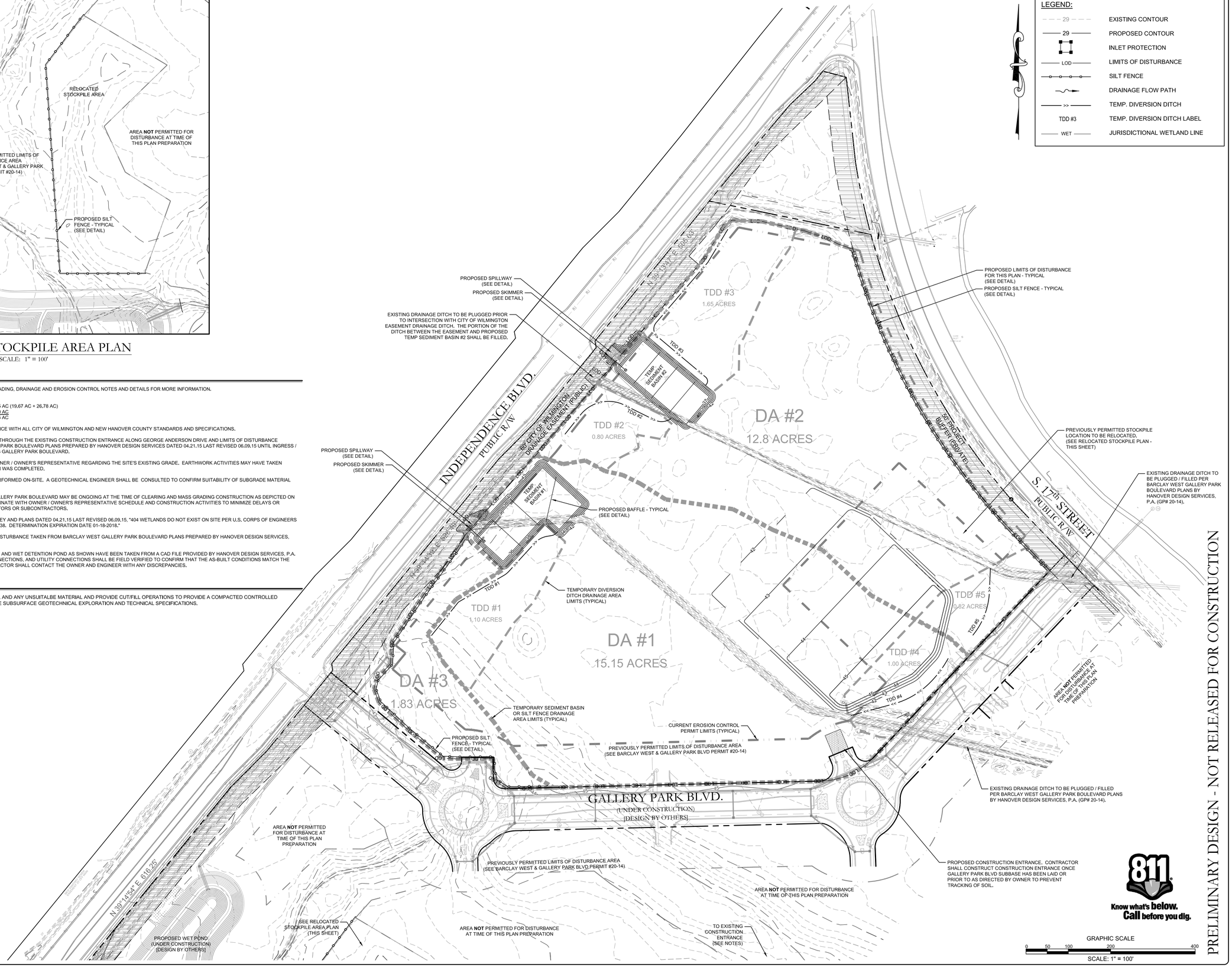
8.) PER HANOVER DESIGN SERVICES, P.A. SURVEY AND PLANS DATED 04.21.15 LAST REVISED 06.09.15, "404 WETLANDS DO NOT EXIST ON SITE PER U.S. CORPS OF ENGINEERS DETERMINATION. SEE ACTION SAW-2012-01938. DETERMINATION EXPIRATION DATE 01-18-2018."

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.




PRELIMINARY DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:

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 I

THE POINTE AT BARCLAY
CITY OF WILMINGTON
NORTH CAROLINA

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

DRAWING INFORMATION
DATE: 06.04.15
DESIGNED: DJF
DRAWN: BJB
CHECKED: TGC

SEAL

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.

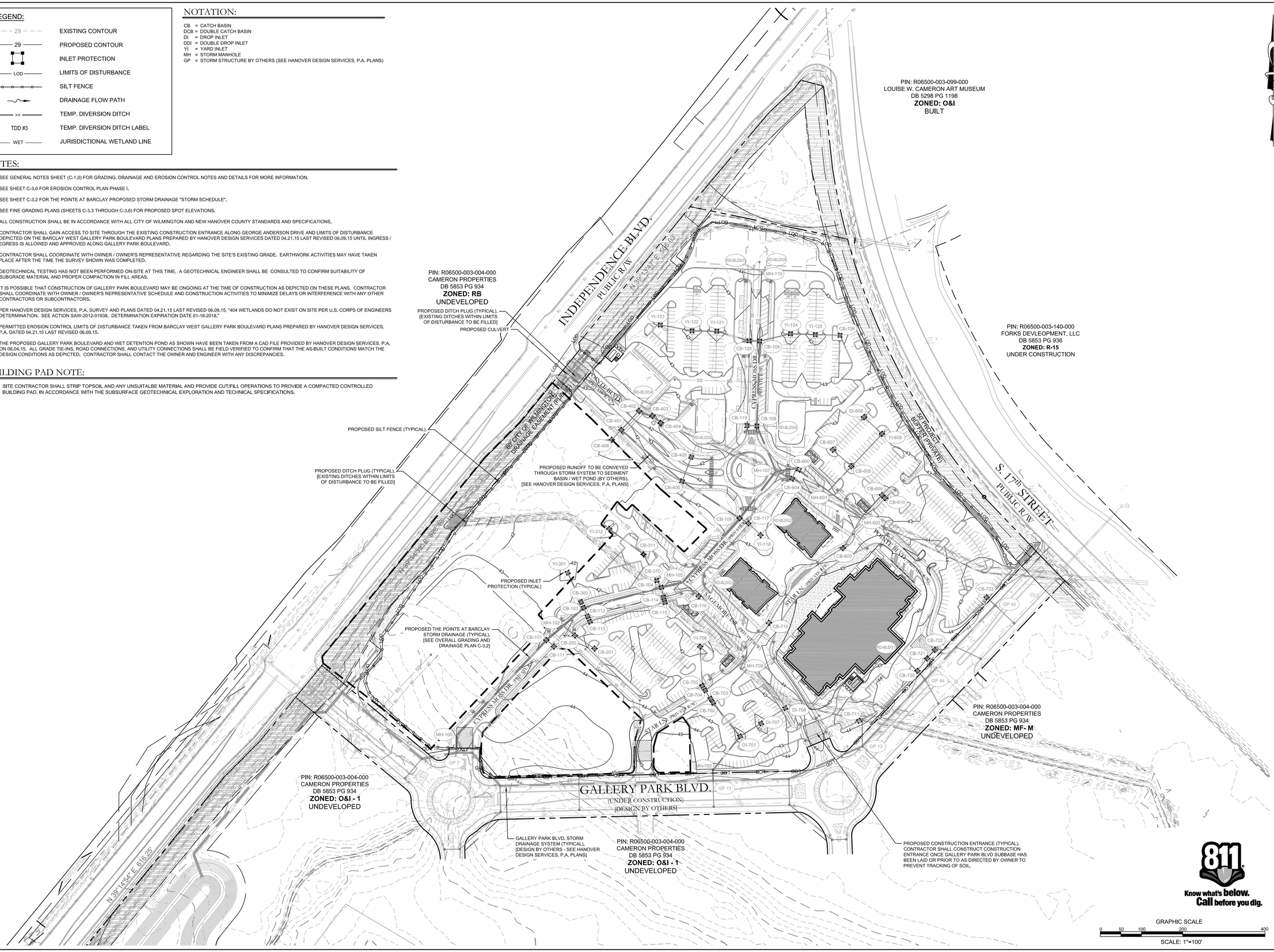
10.) PER HANOVER DESIGN SERVICES, P.A. SURVEY AND PLANS DATED 04.21.15 LAST REVISED 06.09.15. "404 WETLANDS DO NOT EXIST ON SITE PER U.S. CORPS OF ENGINEERS DETERMINATION. SEE ACTION SAW-2012-01938. DETERMINATION EXPIRATION DATE 01-18-2018."

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.

## 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.




PRELIMINARY DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:

CLIENT INFORMATION:

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


PARAMOUNTE ENGINEERING
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(910) 791-6707 (O) (910) 791-6760 (F)
NC License #: C-2846


EROSION CONTROL PLAN
PHASE II

THE POINTE AT BARCLAY
CITY OF WILMINGTON
NORTH CAROLINA

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

DRAWING INFORMATION
DATE: 06.26.15
SCALE: 1" = 100'
DESIGNED: DJF
DRAWN: DJF
CHECKED: TGC

SEAL

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 | 34.10 | 33.31 | 318 | 0.25 | 42.25 | 43.75 | RCP III |
| MH-102 | CB-101 | 60 | 34.24 | 34.10 | 52 | 0.25 | 42.07 | 42.25 | RCP III |
| CB-103 | MH-102 | 60 | 34.40 | 34.24 | 66 | 0.25 | 41.60 | 42.07 | RCP III |
| CB-104 | CB-103 | 60 | 34.89 | 34.40 | 195 | 0.25 | 41.72 | 41.60 | 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 | 37.69 | 37.19 | 168 | 0.30 | 43.80 | 41.91 | RCP III |
| CB-111 | CB-101 | 18 | 38.00 | 37.75 | 24 | 1.02 | 42.25 | 42.25 | RCP III |
| CB-112 | CB-103 | 18 | 37.62 | 37.38 | 24 | 0.99 | 41.59 | 41.60 | RCP III |
| CB-113 | CB-112 | 15 | 38.00 | 37.87 | 13 | 1.01 | 41.53 | 41.59 | 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 | 36.82 | 36.69 | 13 | 1.00 | 41.55 | 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 | 15 | 37.86 | 37.45 | 41 | 1.00 | 43.09 | 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-200 | MH-102 | 24 | 37.69 | 37.32 | 37 | 1.00 | 41.72 | 42.07 | RCP III |
| CB-201 | CB-200 | 15 | 38.50 | 37.94 | 56 | 0.99 | 42.00 | 41.72 | RCP III |
| CB-300 | CB-103 | 30 | 35.40 | 35.35 | 15 | 0.30 | 41.50 | 41.60 | RCP III |
| YI-301 | CB-300 | 30 | 35.63 | 35.40 | 79 | 0.30 | 41.75 | 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 | 42.32 | 41.51 | RCP III |
| CB-312 | CB-311 | 24 | 36.53 | 36.21 | 104 | 0.30 | 41.75 | 42.32 | 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 |
| CB-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 IV |
| CB-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 |
| CB-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 |
| CB-608 | CB-606 | 15 | 38.14 | 37.99 | 60 | 0.25 | 41.90 | 41.90 | RCP III |
| CB-609 | MH-602 | 24 | 37.70 | 37.52 | 70 | 0.25 | 41.75 | 43.27 | RCP III |
| CB-610 | CB-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 |
| CB-701 | MH-700 | 36 | 36.39 | 36.08 | 105 | 0.30 | 41.71 | 45.50 | RCP III |
| CB-702 | CB-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 | 37.64 | 37.35 | 95 | 0.30 | 41.50 | 41.92 | RCP III |
| DI-707 | CB-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 |
| CB-723 | GP 45 | 18 | 37.94 | 37.80 | 29 | 0.50 | 42.00 | 42.53 | RCP IV |
| RD-BLDG1 | CB-720 | 24 | 38.26 | 37.94 | 63 | 0.50 | 44.32 | 42.60 | RCP III |
| RD-BLDG2 | YI-118 | 12 | 38.48 | 38.11 | 37 | 1.00 | 43.04 | 43.09 | HDPE |
| RD-BLDG3 | CB-116 | 12 | 37.89 | 37.50 | 39 | 1.00 | 43.57 | 41.84 | RCP III |
| 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 | 38.61 | 38.42 | 37 | 0.51 | 44.50 | 43.80 | HDPE |
| RD-BLDG8 | MH-110 | 12 | 38.50 | 38.42 | 15 | 0.53 | 44.50 | 43.80 | HDPE |

## 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)

## 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.

## 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."

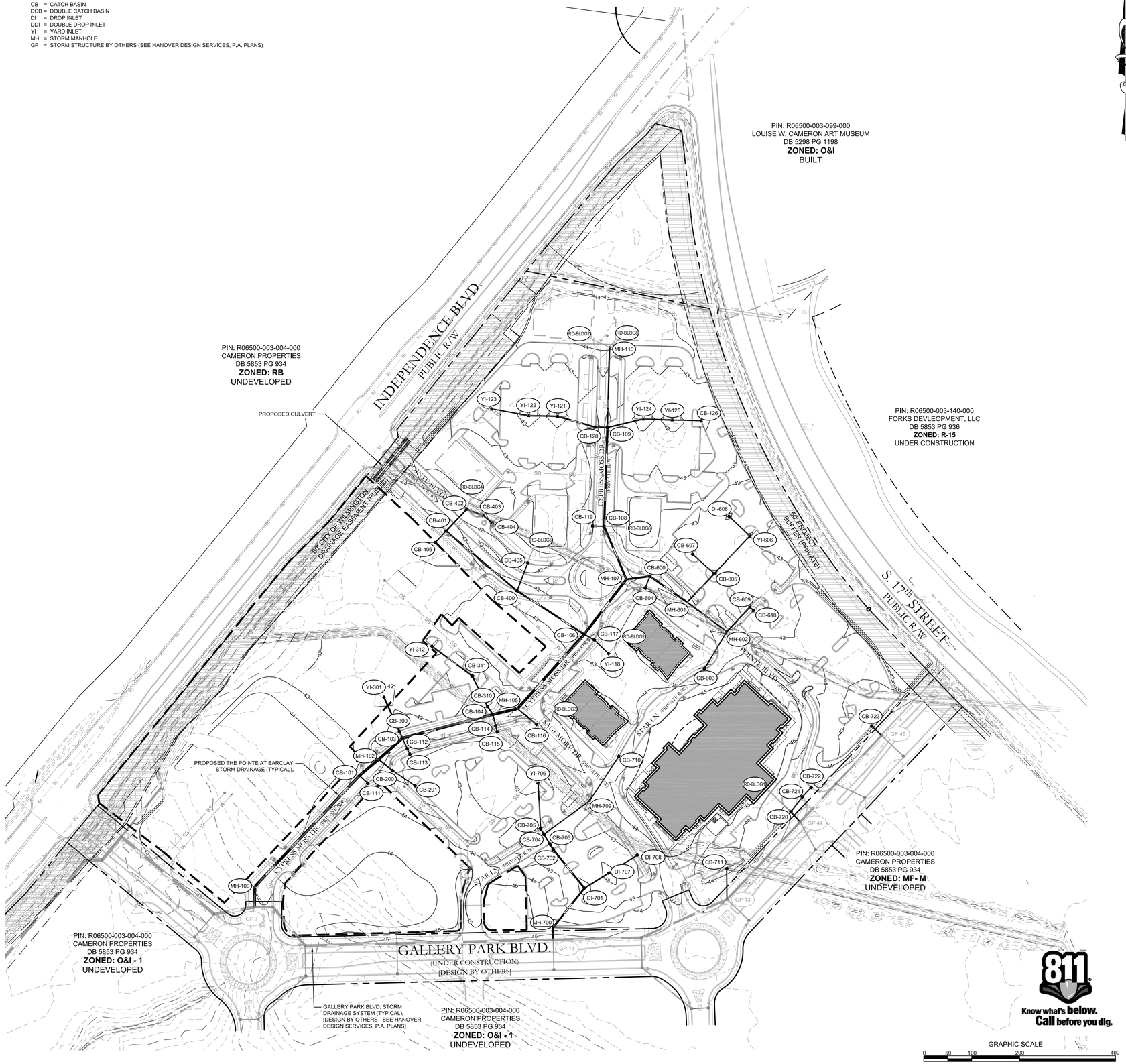
8.) THE PROPOSED GALLERY PARK BOULEVARD AND WET DETENTION POND AS SHOWN HAVE BEEN TAKEN FROM A CAD FILE PROVIDED BY HANOVER DESIGN SERVICES, P.A. ON 06.04.15. ALL GRADE TIE-INS, ROAD CONNECTIONS, AND UTILITY CONNECTIONS SHALL BE FIELD VERIFIED TO CONFIRM THAT THE AS-BUILT CONDITIONS MATCH THE DESIGN 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.




PRELIMINARY DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:

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 GRADING & DRAINAGE PLAN
THE POINTE AT BARCLAY
CITY OF WILMINGTON
NORTH CAROLINA

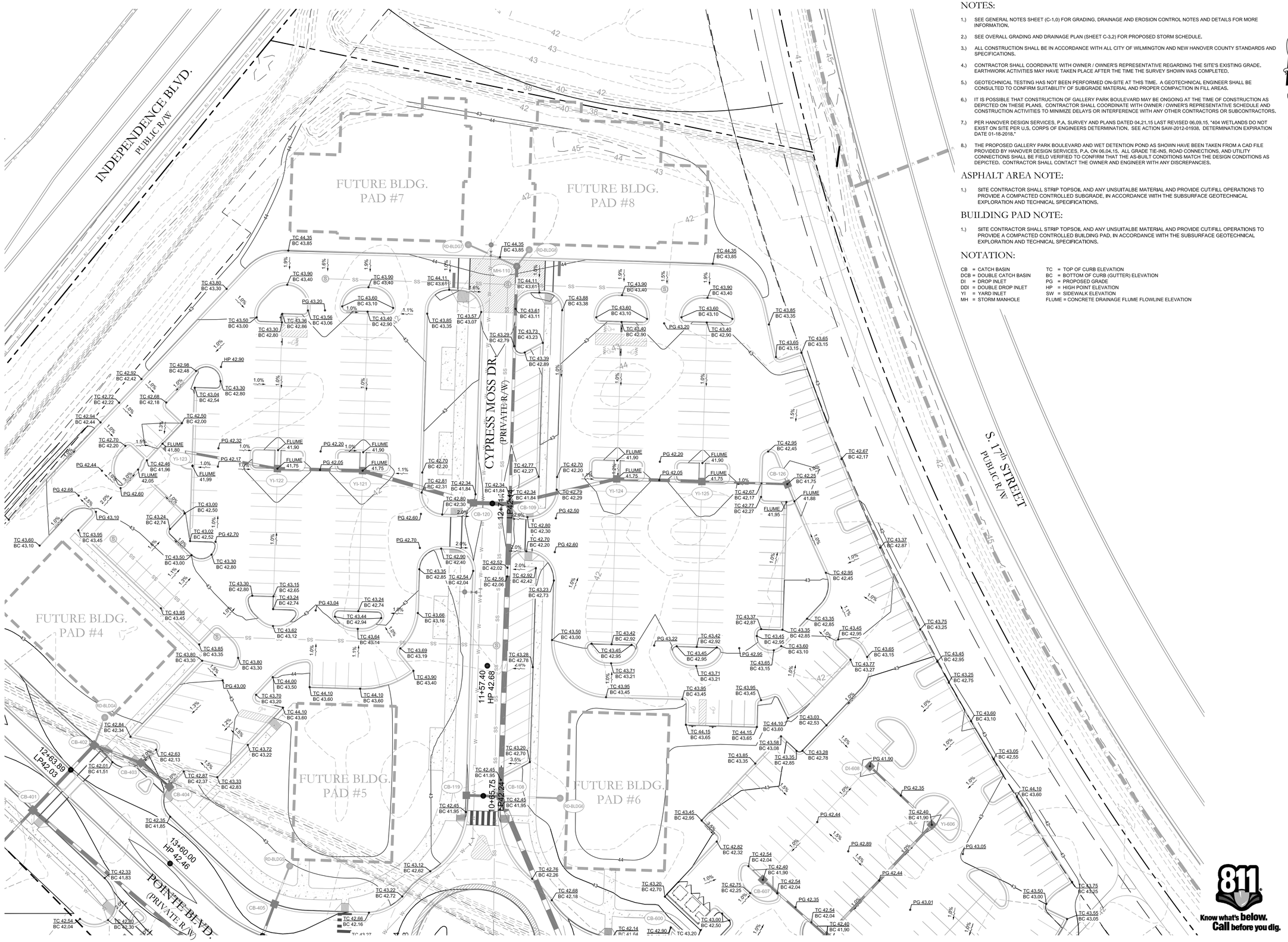
PROJECT STATUS
CONCEPTUAL LAYOUT:
PRELIMINARY LAYOUT:
FINAL DESIGN:
RELEASED FOR CONST:

DRAWING INFORMATION
DATE: 06.26.15
SCALE: 1" = 100'
DESIGNED: DJF
DRAWN BY: TGC
CHECKED:

SEAL

C-3.2

PEI JOB#: 14222.PE




SEE SHEET C-3.4

SEE SHEET C-3.5

## 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.

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:

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## 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

PRELIMINARY DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:

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
CITY OF WILMINGTON
NORTH CAROLINA

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

DRAWING INFORMATION
DATE: 06.29.15
SCALE: 1" = 30'
DESIGNED: DJF
DRAWN: JLP
CHECKED: TGC

SEAL

C-3.3

PEI JOB#: 14222.PE

SEE SHEET C-3.3

## REFERENCE:

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

GRAPHIC SCALE

0 15 30 60 120

SCALE: 1"=30'

Know what's below. Call before you dig.

PRELIMINARY DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:

CLIENT INFORMATION:

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


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FINE GRADING PLAN

THE POINTE AT BARCLAY
CITY OF WILMINGTON
NORTH CAROLINA

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

DRAWING INFORMATION
DATE: 06-25-15
SCALE: 1"=30'
DESIGNED: DJF
DRAWN: DJF
CHECKED: TCC

SEAL

C-3.4

PEI JOB#: 14222.PE

SEE SHEET C-3.3

REFERENCE:

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

Know what's below. Call before you dig.

GRAPHIC SCALE

0 15 30 60 120

SCALE: 1"=30'

PRELIMINARY DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:

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
CITY OF WILMINGTON
NORTH CAROLINA

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

DRAWING INFORMATION
DATE: 05-29-15
SCALE: 1"=30'
DESIGNED: DJF
DRAWN: DJF
CHECKED: TGC

SEAL

C-3.5

PEI JOB#: 14222.PE

SEE SHEET C-3.5

SEE SHEET C-3.4

REFERENCE:

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

Know what's below. Call before you dig.

GRAPHIC SCALE

0 15 30 60 120

SCALE: 1"=30'

PRELIMINARY DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:

CLIENT INFORMATION:

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

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FINE GRADING PLAN

THE POINTE AT BARCLAY
CITY OF WILMINGTON
NORTH CAROLINA

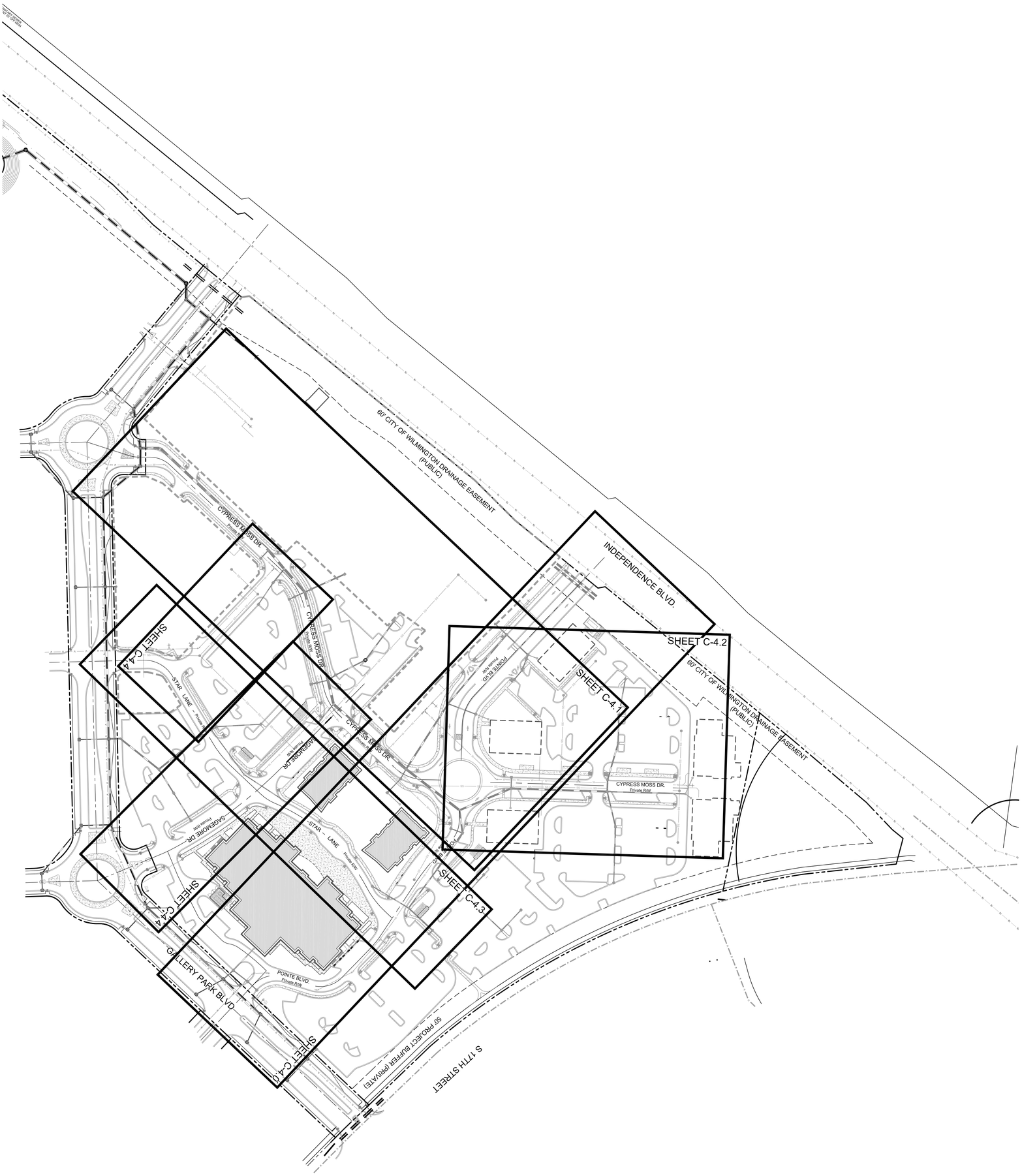
PROJECT STATUS
CONCEPTUAL LAYOUT:
PRELIMINARY LAYOUT:
FINAL LAYOUT:
RELEASED FOR CONST:

DRAWING INFORMATION
DATE: 08.26.15
SCALE: 1"=30'
DESIGNED: DJF
DRAWN: JS
CHECKED: TGC

SEAL

C-3.6

PEI JOB#: 14222.PE




GRAPHIC SCALE

SCALE: 1"=100'

PRELIMINARY DESIGN - NOT RELEASED FOR CONSTRUCTION

INDEX

PEI JOB#: 14222-TE

SEAL

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

| DRAWING INFORMATION | |
|---|---|
| DATE: | 8/24/15 |
| SCALE: | 1"=100' |
| DESIGNED: | DJF |
| DRAWN: | DJF |
| CHECKED: | DJF |

PLAN & PROFILES

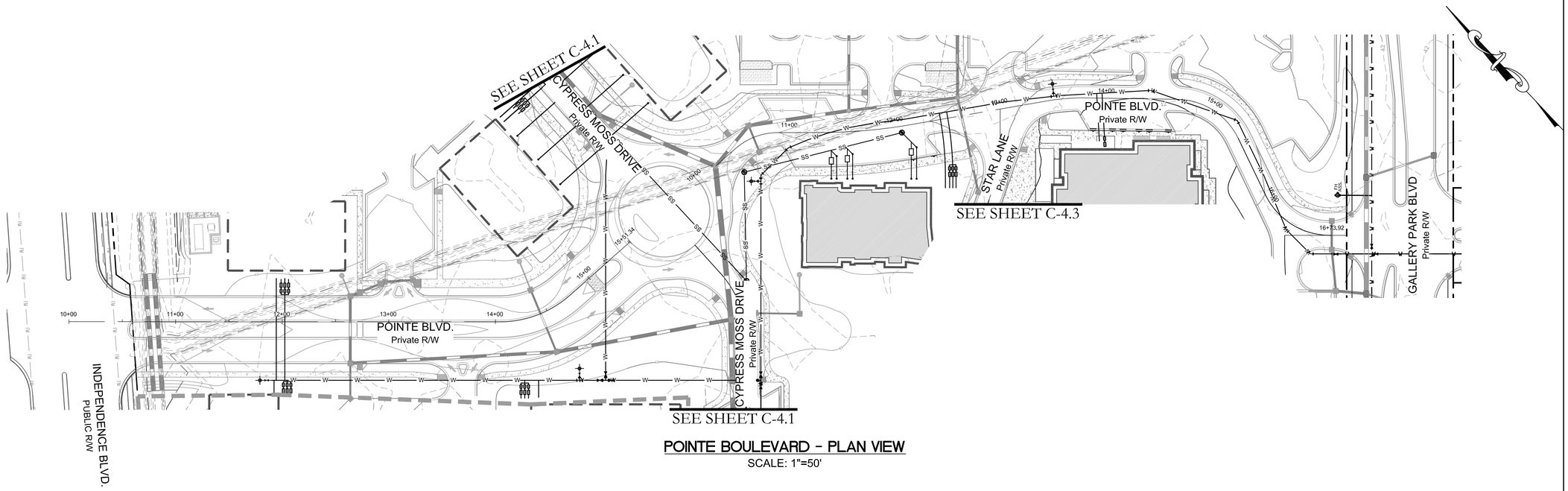
THE POINTE
CITY OF WILMINGTON
NEW HANOVER COUNTY, NC

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

CLIENT INFORMATION:

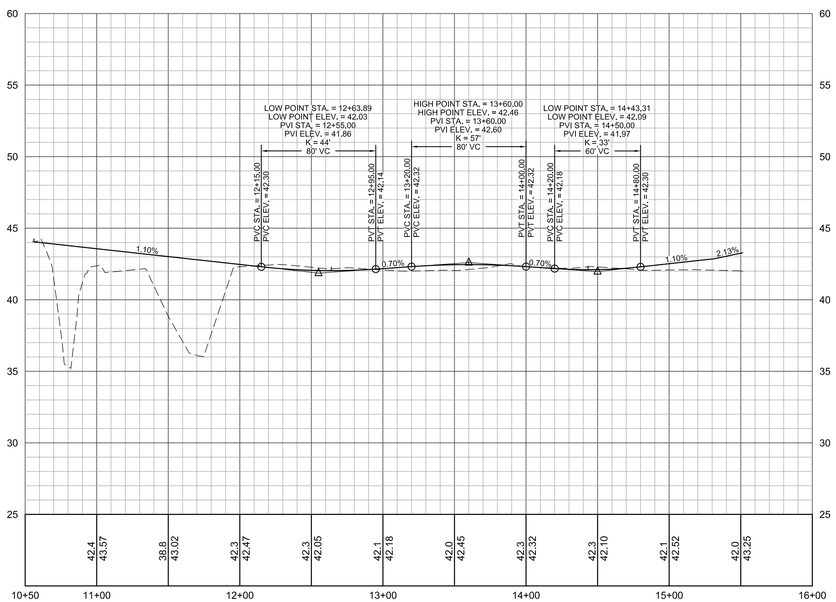
Collett - Cameron Properties
2508 Independence Blvd. Suite 202
Wilmington, NC

REVISIONS:




## POINTE BOULEVARD - PLAN VIEW

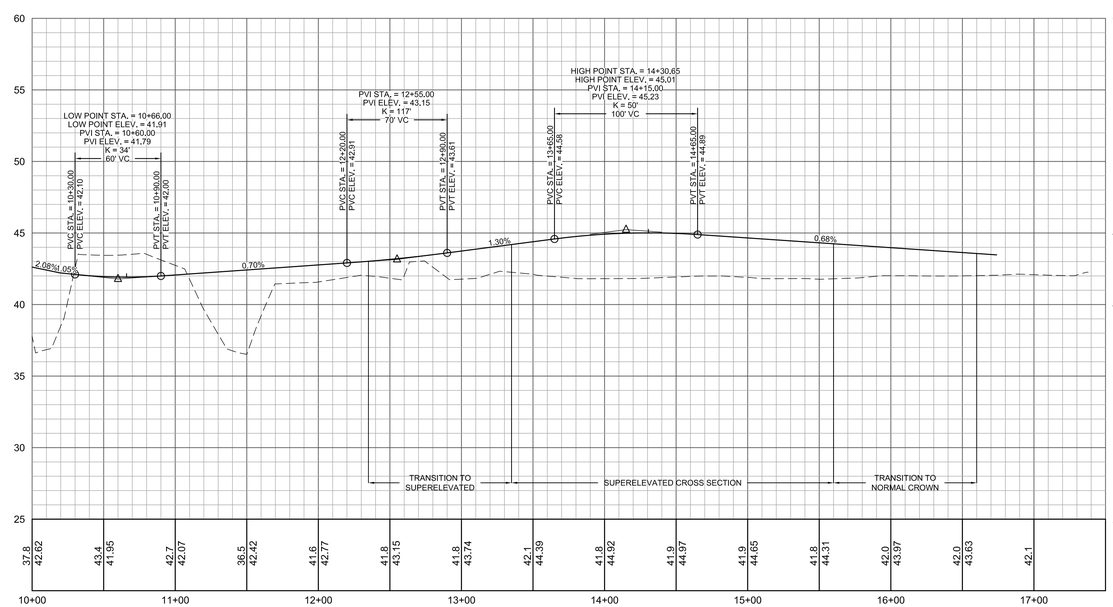
SCALE: 1"=50'




## POINTE BOULEVARD - PROFILE VIEW

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

Know what's below. Call before you dig.




## 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'

PRELIMINARY DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:

CLIENT INFORMATION:
Collett - Cameron Properties
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Wilmington, NC

PARAMOUNTE ENGINEERING, INC.
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NC License #: C-2846

PLAN AND PROFILES
POINTE BOULEVARD

THE POINTE AT BARCLAY
CITY OF WILMINGTON
NORTH CAROLINA

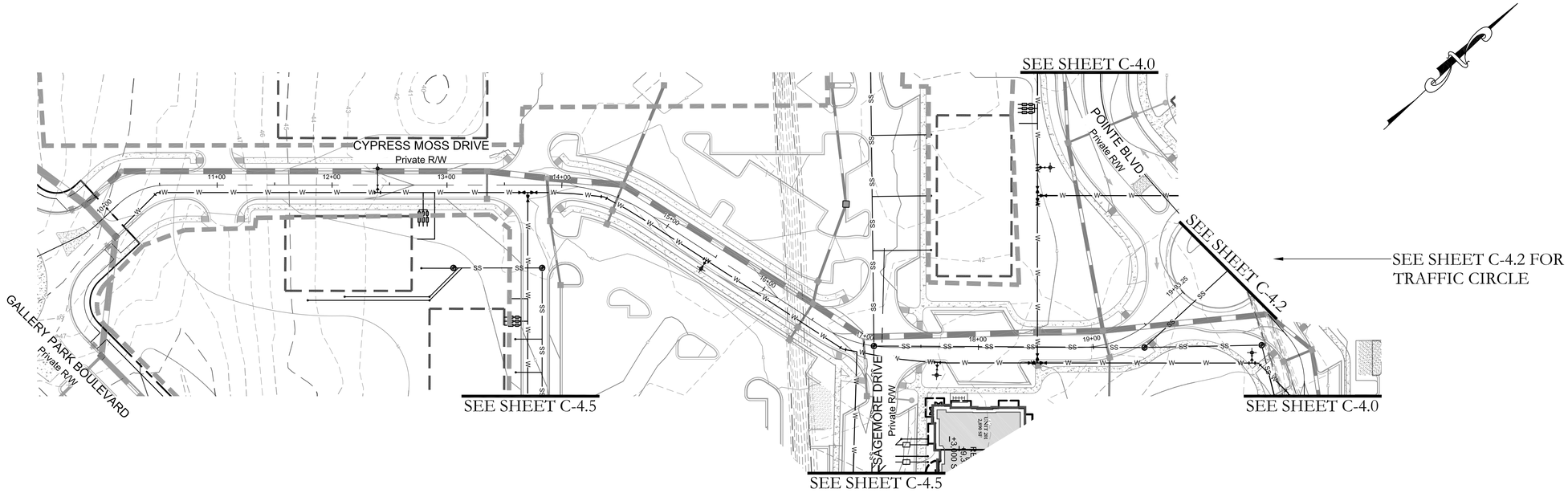
PROJECT STATUS
CONCEPTUAL LAYOUT:
PRELIMINARY LAYOUT:
FINAL DESIGN:
RELEASED FOR CONST:

DRAWING INFORMATION
DATE: 06.26.15
SCALE: 1" = 50'
DESIGNED: DJF
DRAWN: DJF
CHECKED: TGC

SEAL

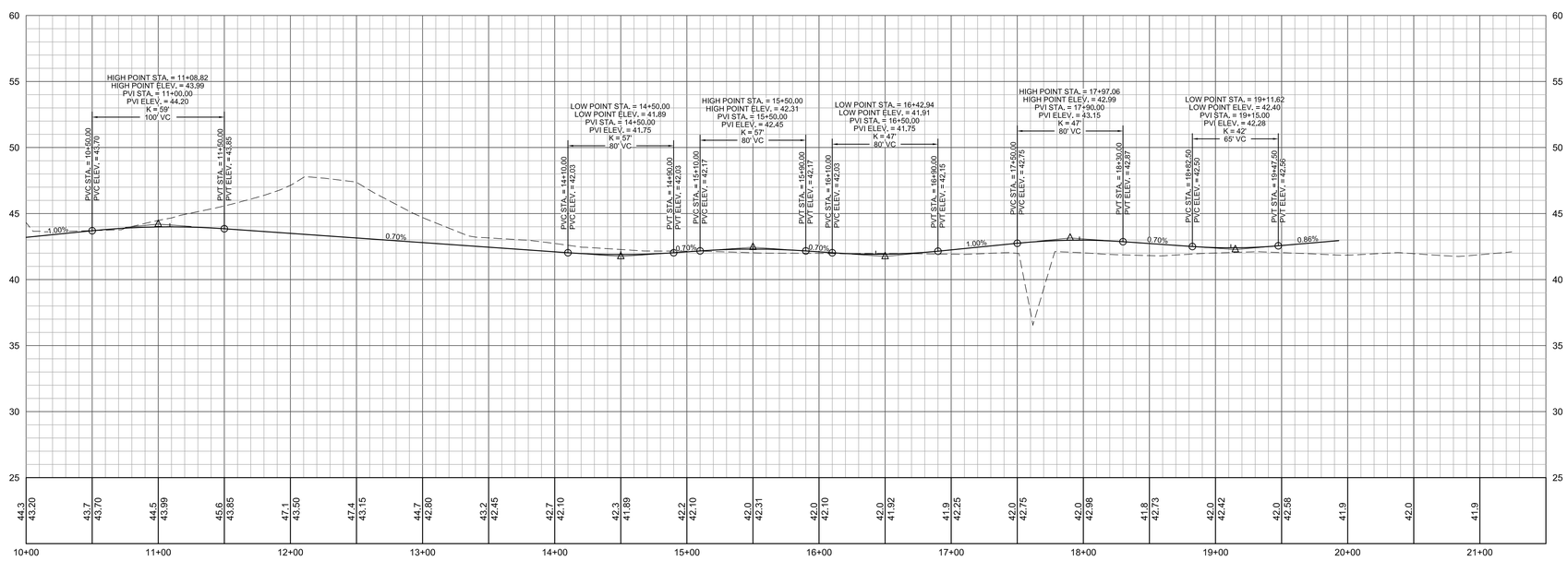
C-4.0

PEI JOB#: 14222.PE




## CYPRESS MOSS DRIVE - PLAN VIEW

SCALE: 1"=50'




## CYPRESS MOSS DRIVE - PROFILE VIEW

(GALLERY PARK BLVD. TO TRAFFIC CIRCLE)

HORIZONTAL SCALE: 1"=50'

VERTICAL SCALE: 1"=5'

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

GRAPHIC SCALE

0 25 50 100 200

SCALE: 1"=50'

PRELIMINARY DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:

CLIENT INFORMATION:

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

PARAMOUNTE ENGINEERING
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Wilmington, North Carolina 28403
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NC License #: C-2846

PLAN AND PROFILES
CYPRESS MOSS DRIVE

THE POINTE AT BARCLAY
CITY OF WILMINGTON
NORTH CAROLINA

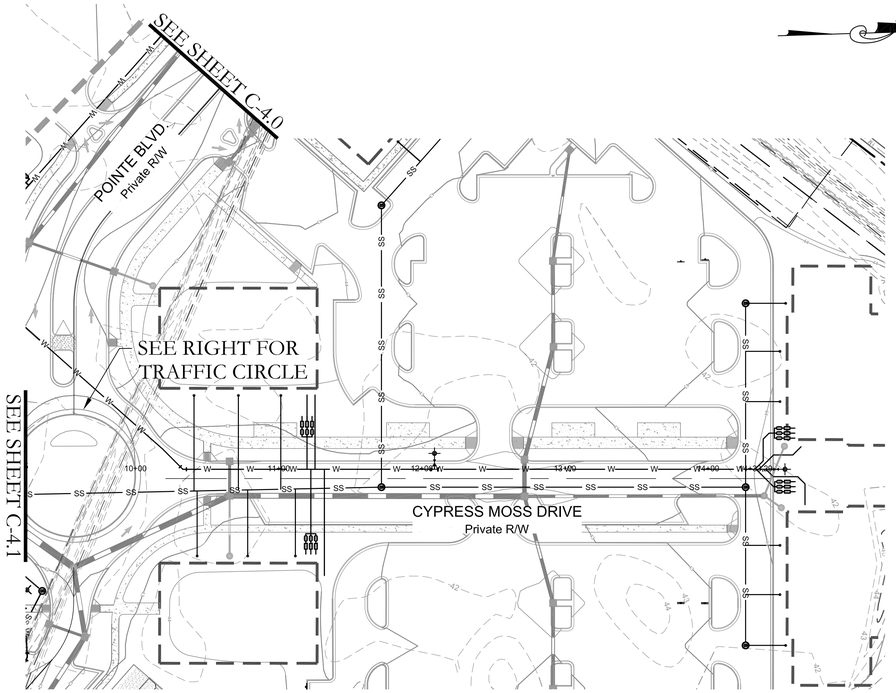
PROJECT STATUS
CONCEPTUAL LAYOUT:
PRELIMINARY LAYOUT:
FINAL DESIGN:
RELEASED FOR CONST:

DRAWING INFORMATION
DATE: 06.26.15
SCALE: 1" = 50'
DESIGNED: DJF
DRAWN: DJF
CHECKED: TGC

SEAL

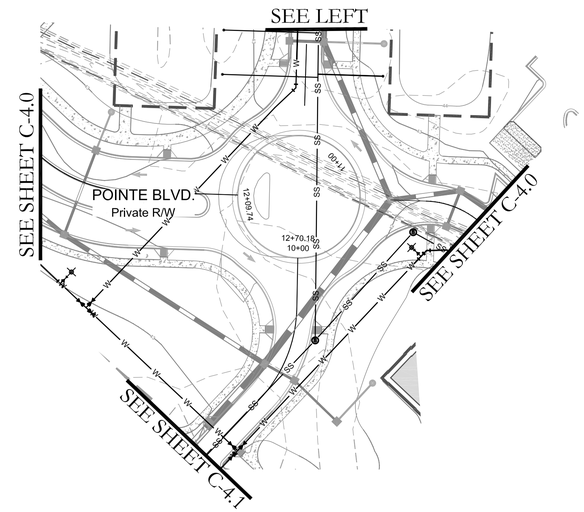
C-4.1

PEI JOB#: 14222.PE



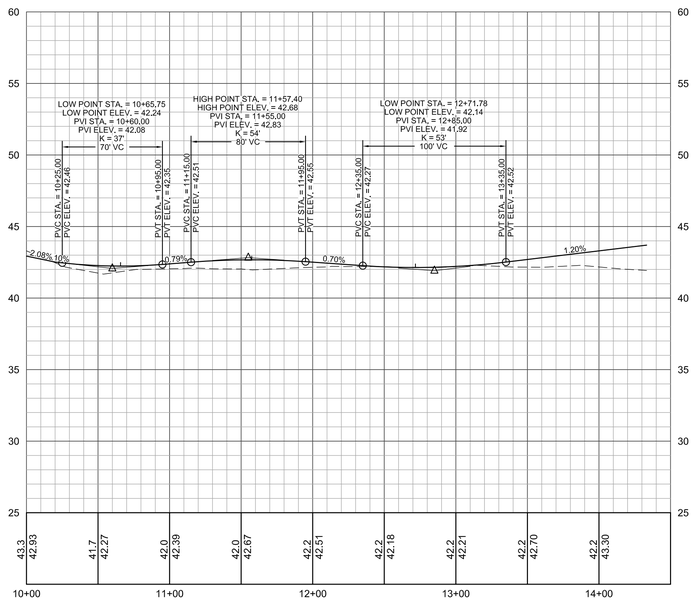

## CYPRESS MOSS DRIVE - PLAN VIEW

SCALE: 1"=50'



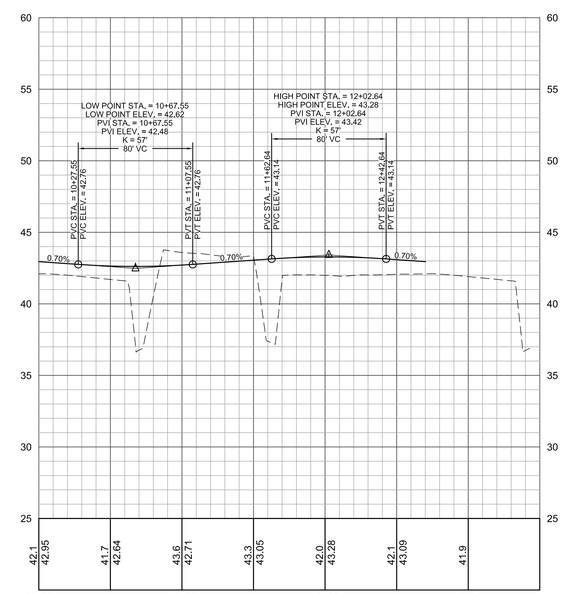

## TRAFFIC CIRCLE - PLAN VIEW

SCALE: 1"=50'




## CYPRESS MOSS DRIVE - PROFILE VIEW

(TRAFFIC CIRCLE TO END)
HORIZONTAL SCALE: 1"=50'
VERTICAL SCALE: 1"=5'




## TRAFFIC CIRCLE - PROFILE VIEW

HORIZONTAL SCALE: 1"=50'
VERTICAL SCALE: 1"=5'

Know what's below. Call before you dig.

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

PRELIMINARY DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:

CLIENT INFORMATION:
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PLAN AND PROFILES
CYPRESS MOSS DRIVE & TRAFFIC CIRCLE

THE POINTE AT BARCLAY
CITY OF WILMINGTON
NORTH CAROLINA

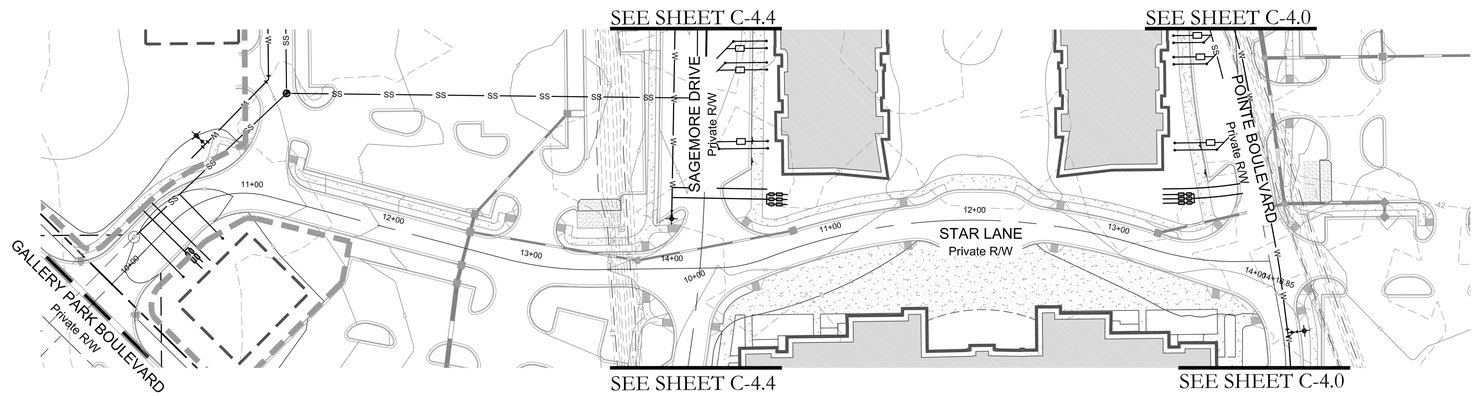
PROJECT STATUS
CONCEPTUAL LAYOUT:
PRELIMINARY LAYOUT:
FINAL DESIGN:
RELEASED FOR CONST:

DRAWING INFORMATION
DATE: 06.26.15
SCALE: 1" = 50'
DESIGNED: DJF
DRAWN: DJF
CHECKED: TGC

SEAL

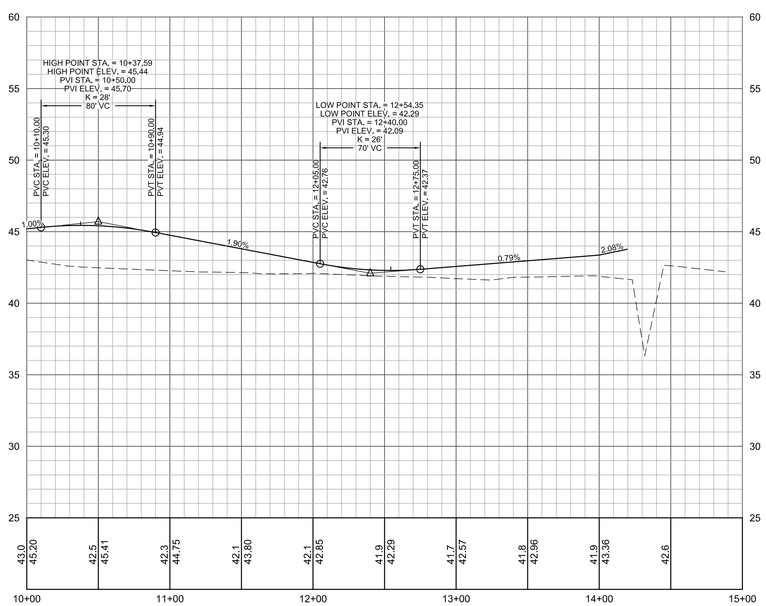
C-4.2

PEI JOB#: 14222.PE




## STAR LANE - PLAN VIEW

SCALE: 1"=50'

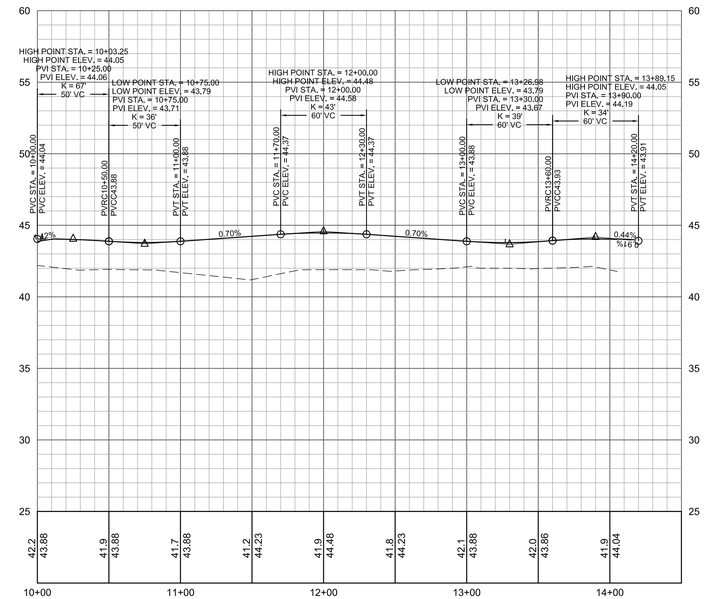



## STAR LANE - PROFILE VIEW

(GALLERY PARK BLVD. TO SAGEMORE DRIVE)

HORIZONTAL SCALE: 1"=50'

VERTICAL SCALE: 1"=5'




## STAR LANE - PROFILE VIEW

(SAGEMORE DRIVE TO POINTE BOULEVARD)

HORIZONTAL SCALE: 1"=50'

VERTICAL SCALE: 1"=5'

Know what's below. Call before you dig.

GRAPHIC SCALE

0 25 50 100 200

SCALE: 1"=50'

PRELIMINARY DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:

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
STAR LANE

THE POINTE AT BARCLAY
CITY OF WILMINGTON
NORTH CAROLINA

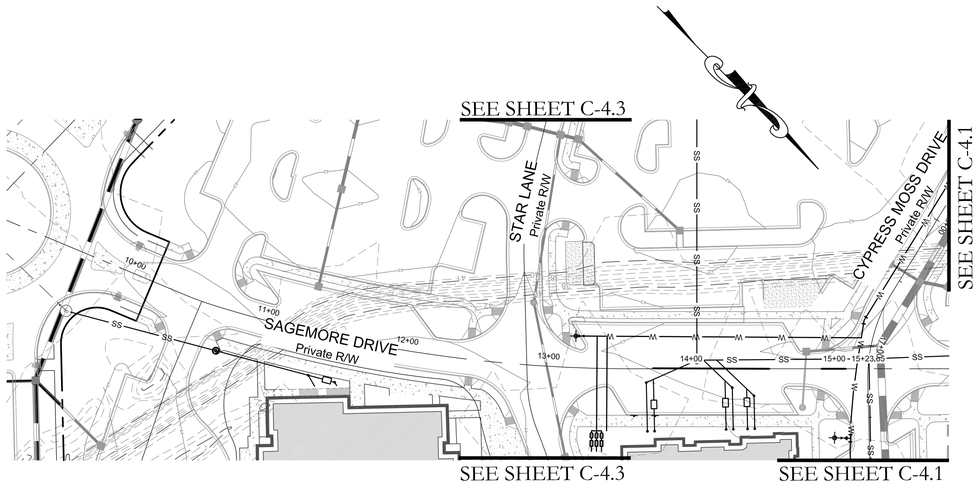
PROJECT STATUS
CONCEPTUAL LAYOUT:
PRELIMINARY LAYOUT:
FINAL DESIGN:
RELEASED FOR CONST:

DRAWING INFORMATION
DATE: 06.26.15
SCALE: 1" = 50'
DESIGNED: DJF
DRAWN: DJF
CHECKED: TGC

SEAL

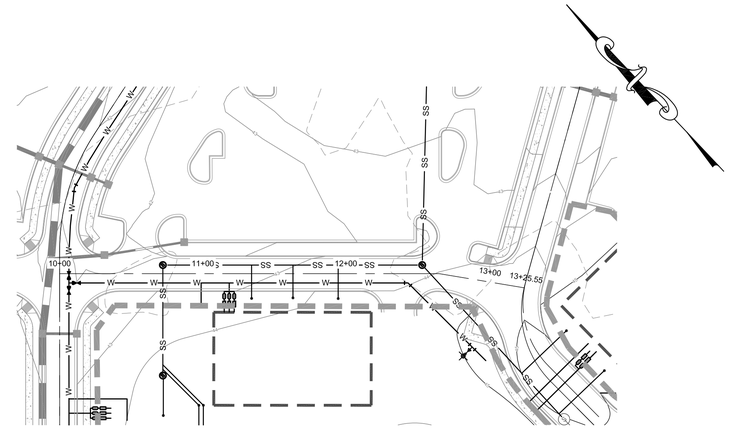
C-4.3

PEI JOB#: 14222.PE



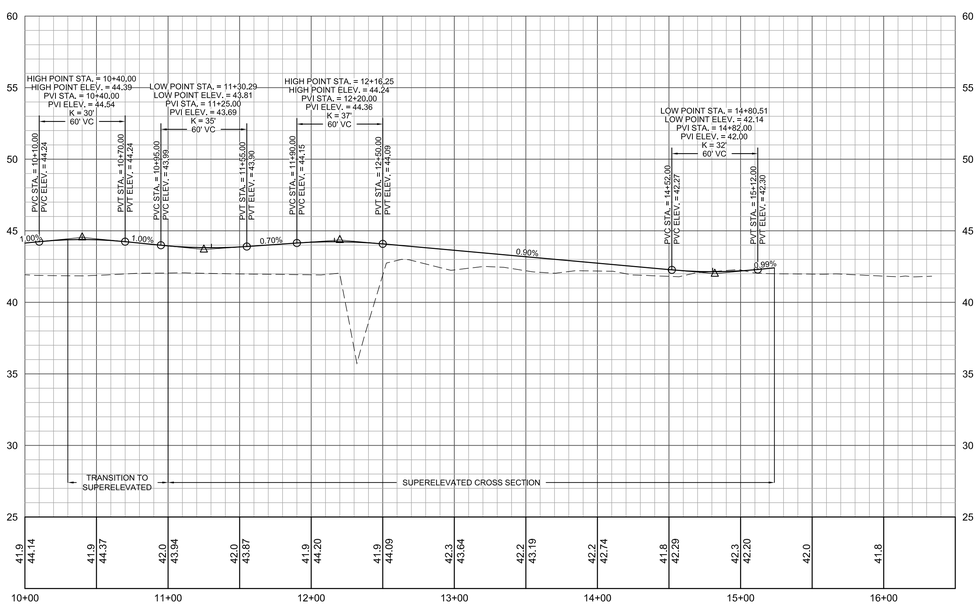

## SAGEMORE DRIVE - PLAN VIEW

SCALE: 1"=50'




## ROAD H - PLAN VIEW

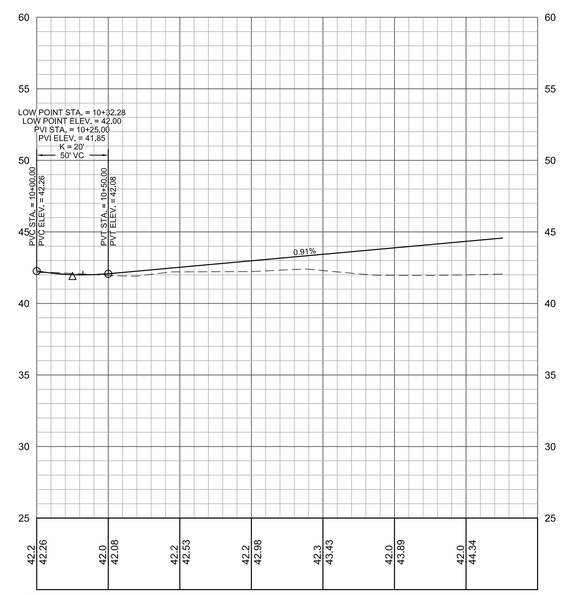
SCALE: 1"=50'




## SAGEMORE DRIVE - PROFILE VIEW

HORIZONTAL SCALE: 1"=50'

VERTICAL SCALE: 1"=5'




## ROAD H - PROFILE VIEW

HORIZONTAL SCALE: 1"=50'

VERTICAL SCALE: 1"=5'

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

GRAPHIC SCALE

0 25 50 100 200

SCALE: 1"=50'

PRELIMINARY DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:

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
SAGEMORE DRIVE & ROAD H

THE POINTE AT BARCLAY
CITY OF WILMINGTON
NORTH CAROLINA

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

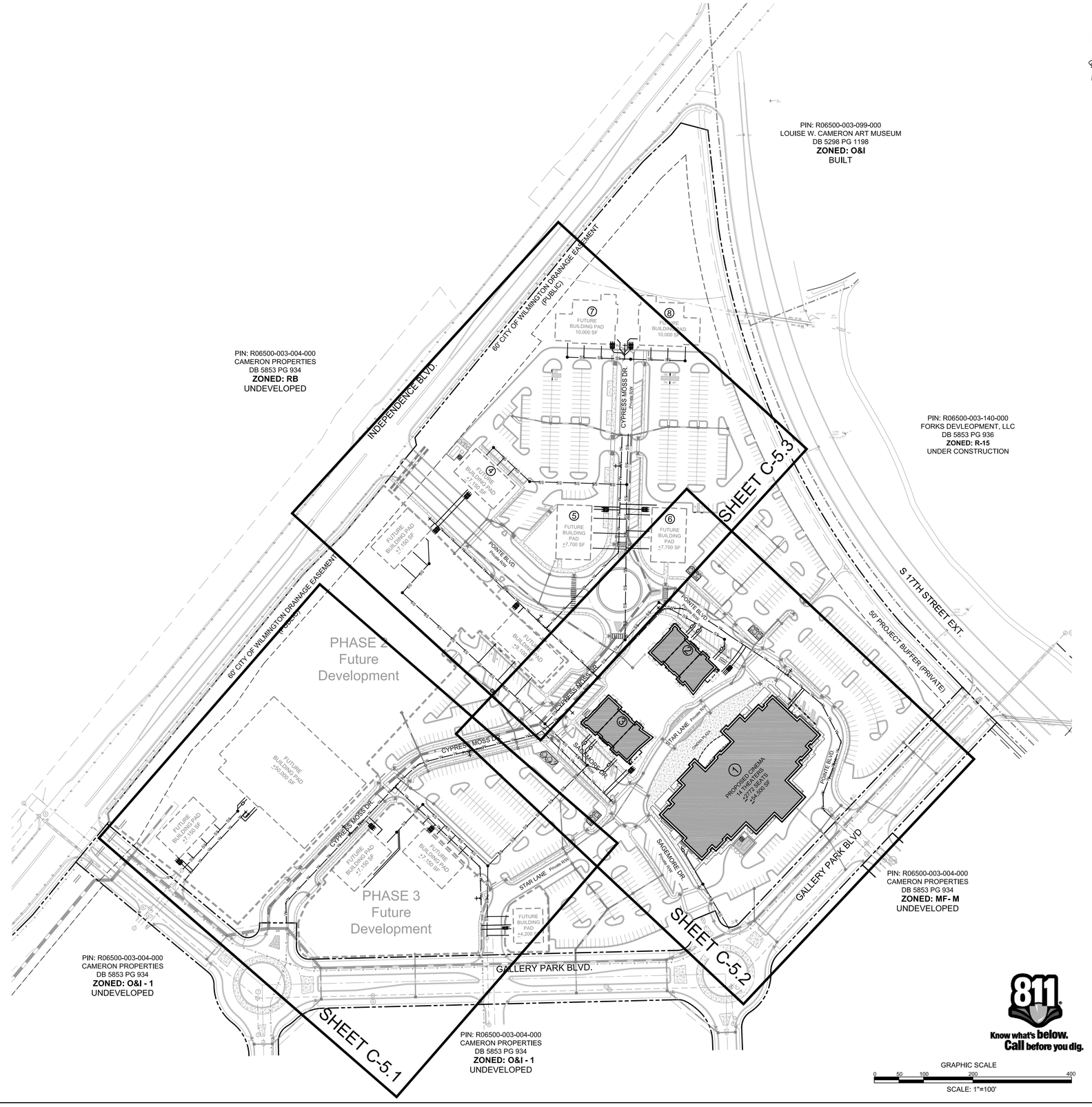
DRAWING INFORMATION
DATE: 08.26.15
SCALE: 1" = 50'
DESIGNED: DJF
DRAWN: DJF
CHECKED: TGC

SEAL

C-4.4

PEI JOB#: 14222.PE

VICINITY MAP
SCALE: 1' = 1000'




PRELIMINARY DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:

CLIENT INFORMATION:

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

PARAMOUNTE ENGINEERING
5911 Oleander Drive, Suite 201
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NC License #: C-2846

OVERALL UTILITY PLAN

THE POINTE AT BARCLAY
CITY OF WILMINGTON
NORTH CAROLINA

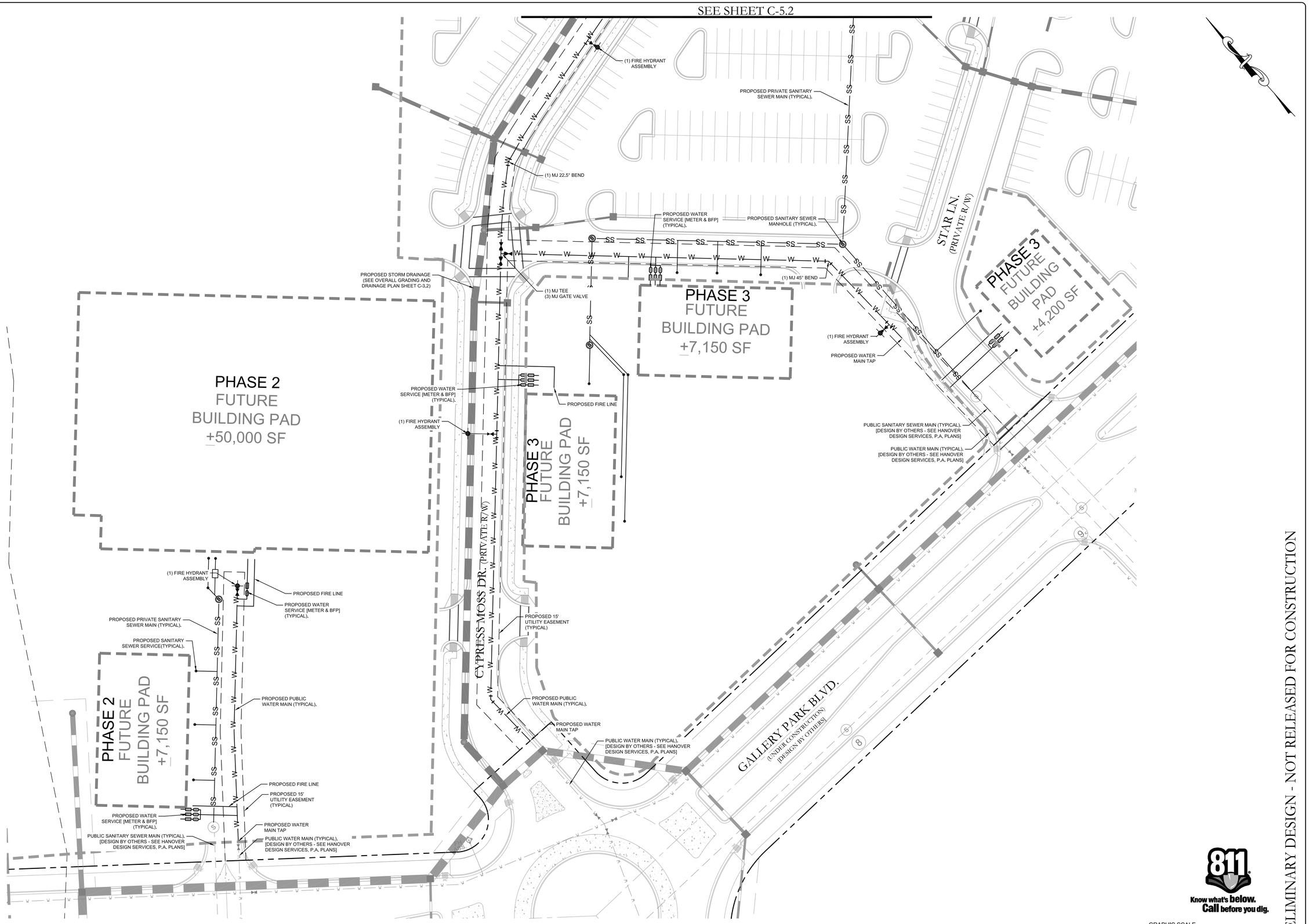
PROJECT STATUS
CONCEPTUAL LAYOUT:
PRELIMINARY LAYOUT:
FINAL DESIGN:
RELEASED FOR CONST.:

DRAWING INFORMATION
DATE: 06.28.19
SCALE: 1" = 100'
DESIGNED: DJF
DRAWN: TCG
CHECKED:

SEAL

C-5.0

PEI JOB#: 14222.PE




PRELIMINARY DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:

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

UTILITY PLAN
CYPRESS MOSS DR & PHASE 2 & 3

THE POINTE AT BARCLAY
CITY OF WILMINGTON
NORTH CAROLINA

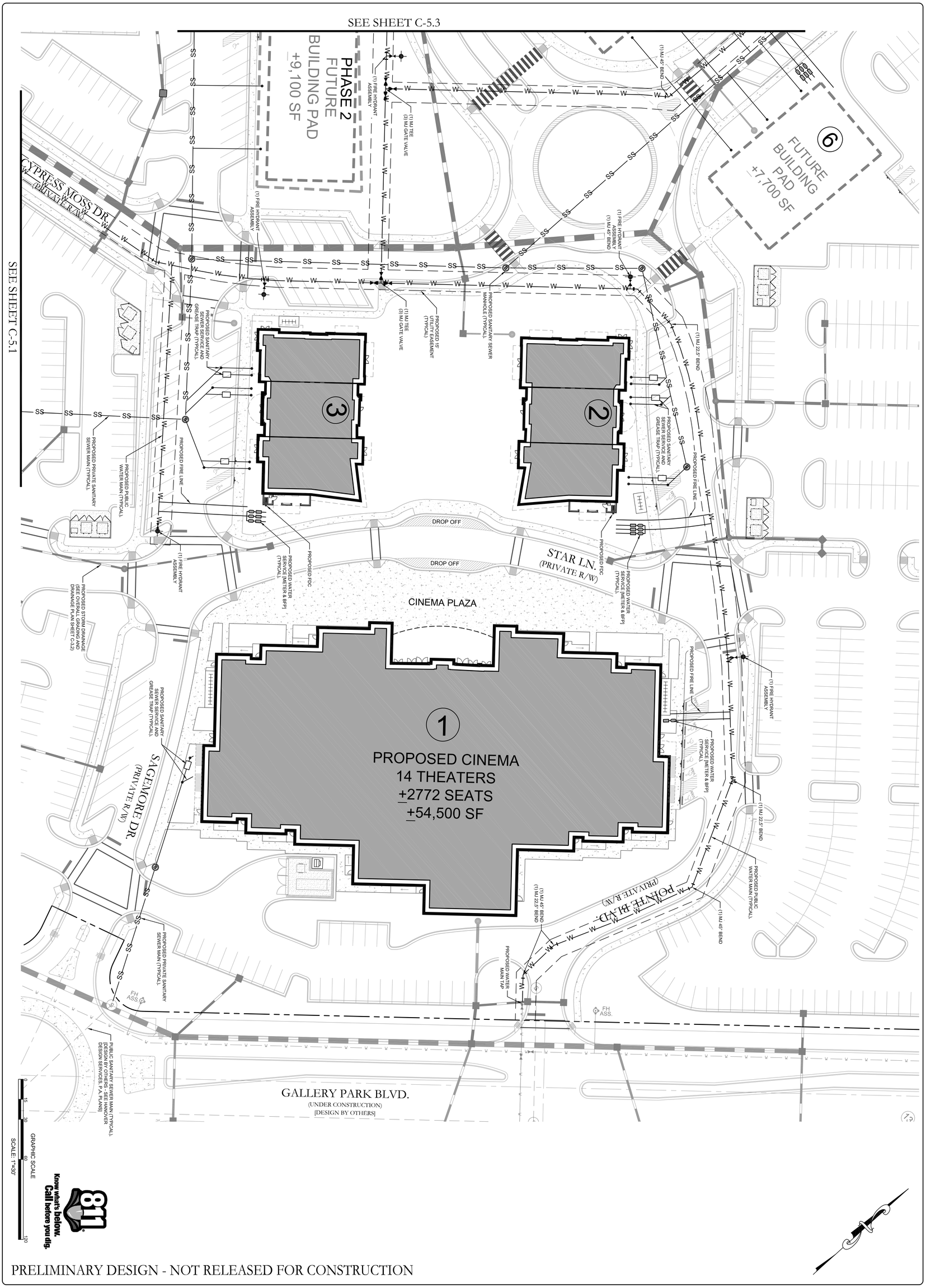
PROJECT STATUS
CONCEPTUAL LAYOUT:
PRELIMINARY LAYOUT:
FINAL DESIGN:
RELEASED FOR CONST:

DRAWING INFORMATION
DATE: 06.26.15
SCALE: 1"=30'
DESIGNED: DJF
DRAWN: DJF
CHECKED: TGC

SEAL

C-5.1

PEI JOB#: 14222.PE




PRELIMINARY DESIGN - NOT RELEASED FOR CONSTRUCTION

PEI JOB#: 14222.PE

C-5.2

SEAL

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

DRAWING INFORMATION

| | |
|---|---|
| DATE: | 08.26.15 |
| SCALE: | 1" = 30' |
| DESIGNED: | DJF |
| DRAWN: | DJF |
| CHECKED: | TGC |

UTILITY PLAN
BUILDINGS 1, 2 & 3

THE POINTE AT BARCLAY
CITY OF WILMINGTON
NORTH CAROLINA

PARAMOUNTE
ENGINEERING, INC.
5911 Oleander Drive, Suite 201
Wilmington, North Carolina 28403
(910) 791-6707 (O) (910) 791-6760 (F)
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CLIENT INFORMATION:

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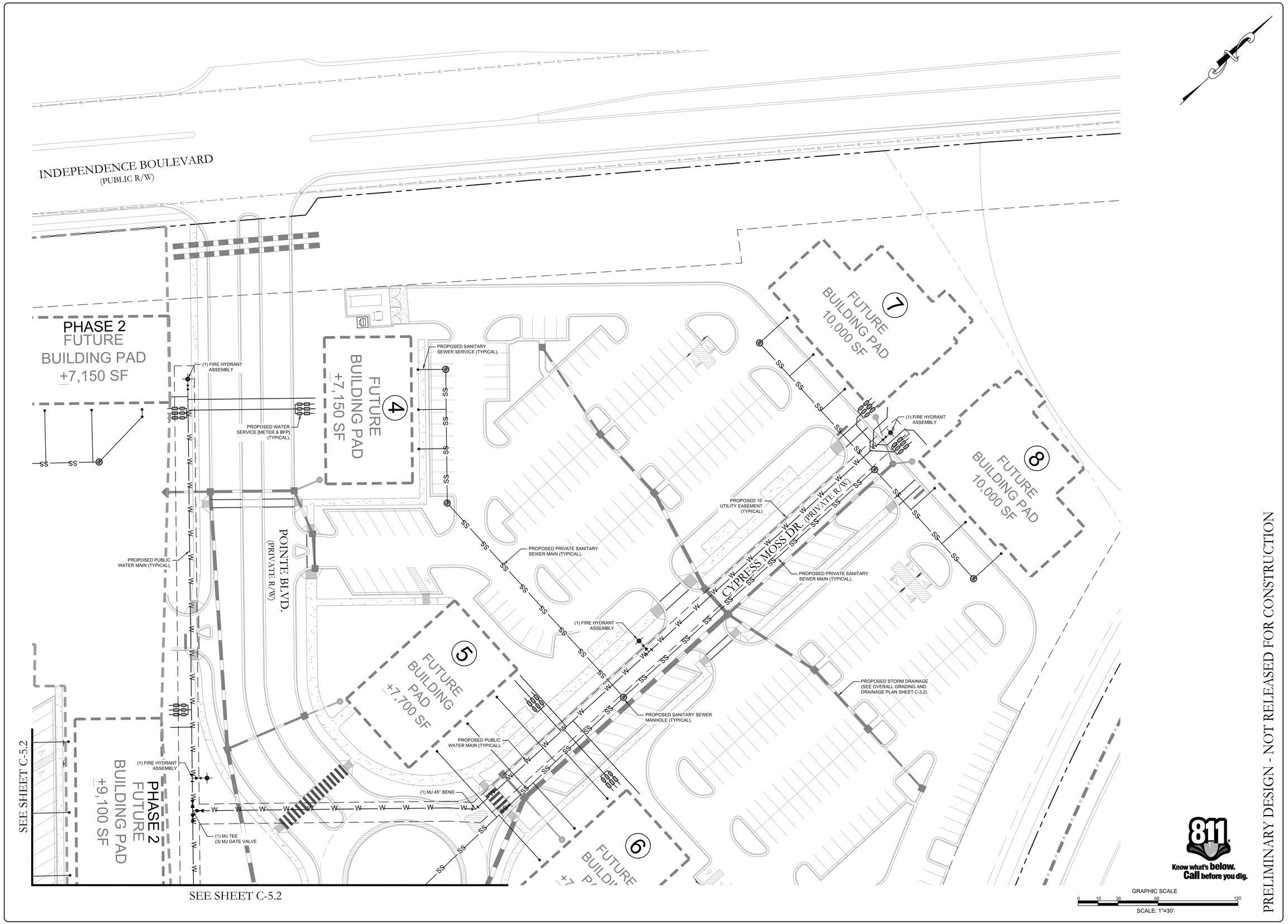
Wilmington, NC

REVISIONS:




PRELIMINARY DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:

CLIENT INFORMATION:

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


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


UTILITY PLAN
BUILDINGS 4, 5, 6, 7 & 8

THE POINTE AT BARCLAY
CITY OF WILMINGTON
NORTH CAROLINA

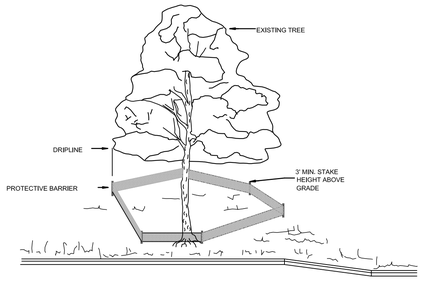
PROJECT STATUS
CONCEPTUAL LAYOUT:
PRELIMINARY LAYOUT:
FINAL DESIGN:
RELEASED FOR CONST:

DRAWING INFORMATION
DATE: 08.26.15
SCALE: 1" = 30'
DESIGNED: DJF
DRAWN: DJF
CHECKED: TGC

SEAL

C-5.3

PEI JOB#: 14222.PE

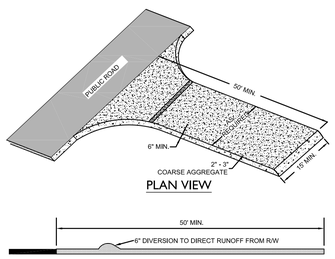



NOTE:

TREES TO BE SAVED WILL BE CLEARLY MARKED PRIOR TO CONSTRUCTION AND A PROTECTIVE BARRIER IS TO BE INSTALLED AT THE DRIPLINE.
DRIP LINE - THE AREA OF SOIL DIRECTLY BENEATH THE TREE EXTENDING OUT TO THE TIPS OF THE OUTERMOST BRANCHES.

## METHOD OF TREE PROTECTION DURING CONSTRUCTION

NOT TO SCALE

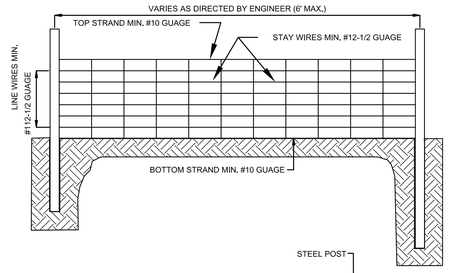


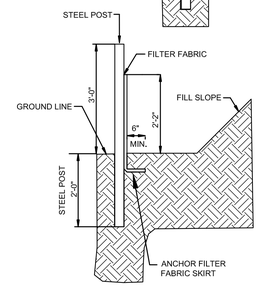

PLAN VIEW

SECTION VIEW

## TEMPORARY CONSTRUCTION ENTRANCE

NOT TO SCALE



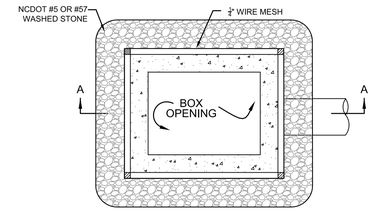



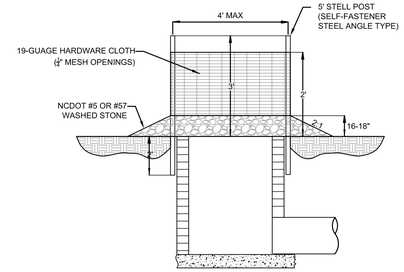

NOTES:

1. WIRE SHALL BE A MINIMUM OF 32" IN WIDTH AND SHALL HAVE A MINIMUM OF 6 LINE WIRES W/12" STAY SPACING
2. FILTER FABRIC SHALL BE A MINIMUM OF 36" IN WIDTH AND SHALL BE FASTENED ADEQUATELY TO THE WIRE AS DIRECTED BY THE ENGINEER
3. STEEL POST SHALL BE 5' 0" IN HEIGHT AND BE OF SELF FASTENER ANGLE STEEL TYPE

## GUIDELINES FOR TEMPORARY SILT FENCE DETAIL

NOT TO SCALE



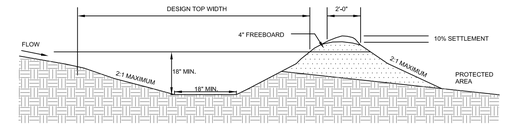

## SECTION A - A

NOTE:

FOR CURB INLETS AND DROP INLETS

## INLET PROTECTION

NOT TO SCALE




NOTES:
BUILD RIDGE HIGHER THAN DESIGN AND COMPACT WITH WHEELS OF CONSTRUCTION EQUIPMENT. COMPACTED RIDGE MUST AT OR ABOVE DESIGN GRADE AT ALL POINTS. CHANNEL MUST BE CONSTRUCTED ON DESIGN GRADE. LEAVE SUFFICIENT AREA ALONG DIVERSION TO PERMIT CLEANOUT AND REGRADING.

*PROVIDE TEMPORARY LINING - NA GREEN S75 (STAPLE PATTERN D) OR APPROVED EQUAL FOR TDD #1.

## TEMPORARY DIVERSION DITCH

NOT TO SCALE

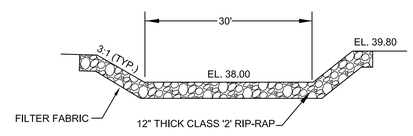
| TDD # | LENGTH (FT) | INV UP | INV DN | SLOPE (FT/FT) |
|---|---|---|---|---|
| 1 | 395 | 43.00 | 38.00 | 0.013 |
| 2 | 300 | 40.50 | 39.00 | 0.005 |
| 3 | 490 | 40.50 | 38.00 | 0.005 |
| 4 | 280 | 40.50 | 39.00 | 0.005 |
| 5 | 170 | 40.50 | 39.50 | 0.006 |

**Gallery Park**

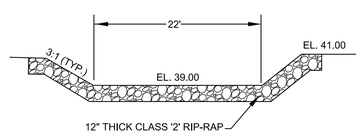
**Temporary Sediment Fence**

**Requirement = 100 ft per 0.25 acres disturbed**

| DA # | Disturbed area (ac) | Total drainage area (ac) | Silt Fence Required (ft) | Silt Fence Provided (ft) |
|---|---|---|---|---|
| 3 | 1.83 ac | 1.83 ac | 732 | 955 |



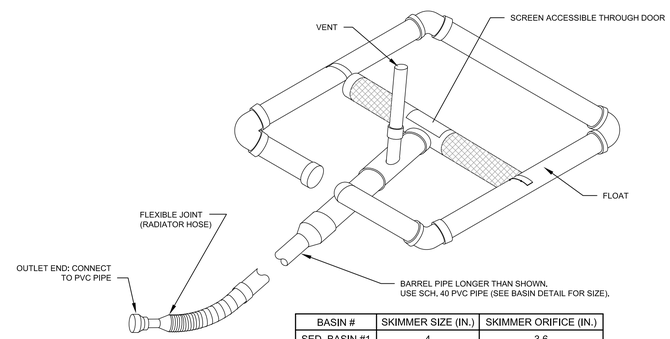

BASIN #1




BASIN #2

## TEMP SEDIMENT BASIN 1 SPILLWAY DETAIL

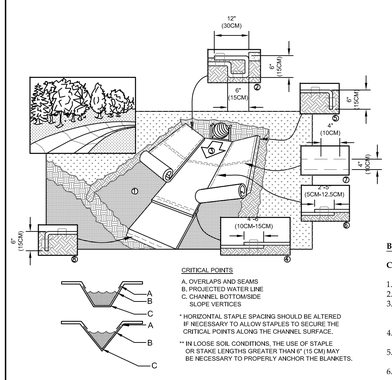
*NOT TO SCALE*




| BASIN # | SKIMMER SIZE (IN.) | SKIMMER ORIFICE (IN.) |
|---|---|---|
| SED. BASIN #1 | 4 | 3.6 |
| SED. BASIN #2 | 3 | 3.0 |

## FAIRCLOTH SKIMMER DETAIL

NOT TO SCALE




CRITICAL POINTS

A. OVERLAPS AND SEAMS
B. PROJECTED WATER LINE
C. CHANNEL BOTTOM/SIDE SLOPE VERTICES

* HORIZONTAL STAPLE SPACING SHOULD BE ALTERED IF NECESSARY TO ALLOW STAPLES TO SECURE THE CRITICAL POINTS ALONG THE CHANNEL SURFACE.

** IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15 CM) MAY BE NECESSARY TO PROPERLY ANCHOR THE BLANKETS.

NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DO NOT SCALE DRAWINGS.

## ROLLED EROSION CONTROL LINING

*NOT TO SCALE*

**BAFFLES**

**CONSTRUCTION SPECIFICATION**

1. Grade the basin so that the bottom is level front to back and side to side.
2. Install posts or saw horses across the width of the sediment trap (Practice 6.62, *Sediment Fence*).
3. Steel posts should be driven to a depth of 24 inches, spaced a maximum of 4 feet apart, and installed up the side of the basin as well. The top of the fabric should be 6 inches higher than the invert of the spillway. Tops of baffles should be 2 inches lower than the top of the berms.
4. Install at least three rows of baffles between the inlet and outlet discharge point. Basins less than 20 feet in length may use 2 baffles.
5. When using posts, add a support wire or rope across the top of the measure to prevent sagging.
6. Wrap jute, backed by coir material, over a sawhorse or the top wire. Hammer rebar into the sawhorse legs for anchoring. The fabric should have five to ten percent openings in the weave. Attach fabric to a rope and a support structure with zip ties, wire or staples.
7. The bottom and sides of the fabric should be anchored in a trench or pinned with 8-inch erosion control matting staples.
8. Do not splice the fabric, but use a continuous piece across the basin.

**MAINTENANCE**

Inspect baffles at least once a week and after each rainfall. Make any required repairs immediately.

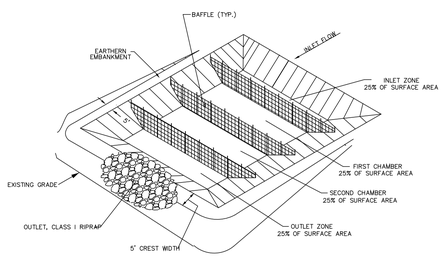
Be sure to maintain access to the baffles. Should the fabric of a baffle collapse, tear, decompose, or become ineffective, replace it promptly.

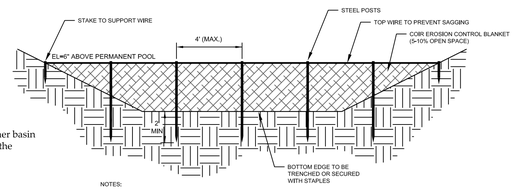
Remove sediment deposits when it reaches half full to provide adequate storage volume for the next rain and to reduce pressure on the baffles. Take care to avoid damaging the baffles during cleanout. Sediment depth should never exceed half the designed storage depth.

After the contributing drainage area has been properly stabilized, remove all baffle materials and unstable sediment deposits, bring the area to grade, and stabilize it.

NOTE:

Porous baffles shall be installed inside all temporary sediment traps, rock dams, skimmer basin or sediment basins to reduce the velocity and turbulence of the water flowing through the measure, and facilitate the settling of sediment from the water before discharge.



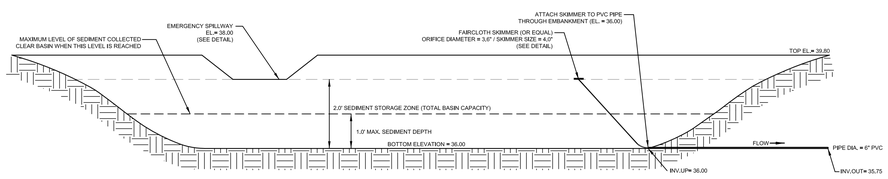




NOTES:

1. INSTALL ONE CONTINUOUS PIECE OF FABRIC ACROSS THE ENTIRE BASIN--DO NOT SPLICE.

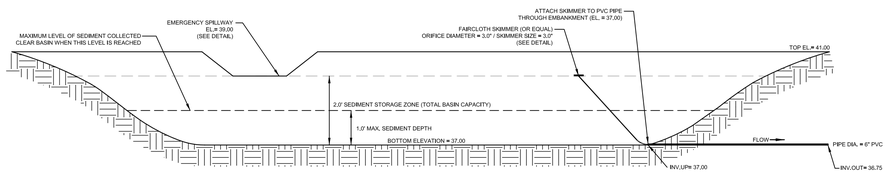
## BAFFLE DETAIL

NOT TO SCALE




## TEMP. SEDIMENT BASIN #1 DETAIL

NOT TO SCALE




## TEMP. SEDIMENT BASIN #2 DETAIL

NOT TO SCALE

PRELIMINARY DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:

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 DETAILS

THE POINTE AT BARCLAY
CITY OF WILMINGTON
NORTH CAROLINA

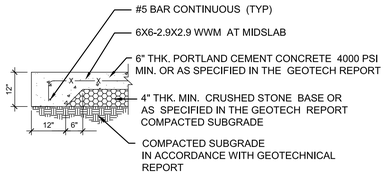
PROJECT STATUS
CONCEPTUAL LAYOUT:
PRELIMINARY LAYOUT:
PRELIMINARY PLAT:
RELEASED FOR CONST:

DRAWING INFORMATION
DATE: MARCH 15
SCALE: AS NOTED
DESIGNED: D.JF
DRAWN: D.JF
CHECKED: TGC

SEAL

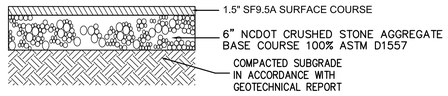
C-6.0

PEI JOB#: 14222.PE



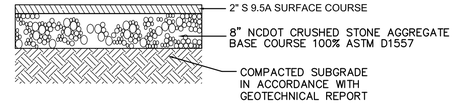

CONCRETE PAVING SECTION

NOT TO SCALE




LIGHT DUTY ASPHALT PAVING SECTION

NOT TO SCALE

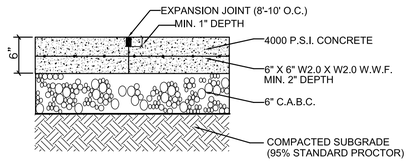



Note: Proposed on project roadways

HEAVY DUTY ASPHALT PAVING SECTION

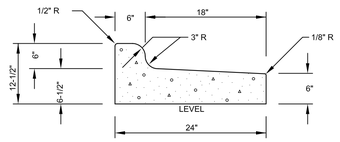
NOT TO SCALE

FOR USE WHERE SUBJECTED TO VEHICULAR TRAFFIC




REINFORCED CONCRETE DETAIL

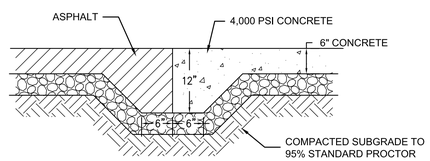
NOT TO SCALE




(TO BE USED WHEN PAVEMENT IS SLOPED AWAY FROM ISLAND OR AS SPECIFIED BY THE APPROPRIATE CITY/COUNTY ENGINEERING DEPARTMENT OR THE DESIGN ENGINEER.)

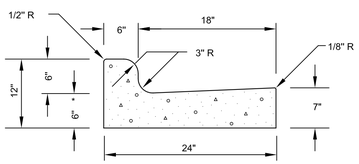
24" CURB AND GUTTER (REVERSE SLOPE)

NOT TO SCALE



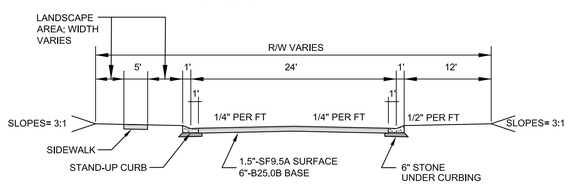

ASPHALT TO CONCRETE PAVEMENT TRANSITION

NOT TO SCALE




24" CURB AND GUTTER

NOT TO SCALE

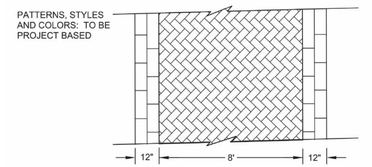


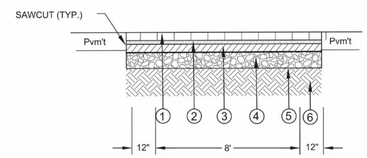

TYPICAL PRIVATE ROAD CROSS SECTION

NOT TO SCALE

GENERAL NOTES:

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



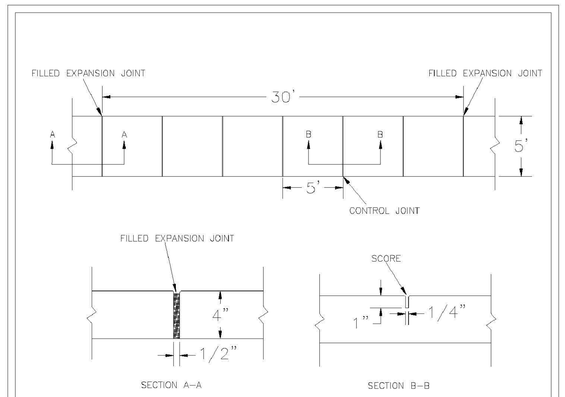

1. 3-1/8" PAVER BLOCK (DUST TOP W / SAND)
2. 1" THICK 1:10 DRY CEMENT TO SAND RATIO MIX
3. 6" 3,000 P.S.I. CONCRETE W / FIBER
4. 8" CRUSHER RUN #21B BASE MATERIAL
5. GEOTEXTILE FABRIC, TURNED UP ALONG PERIMETER
6. COMPACTED SOIL SUB-GRADE (ASTM D1557 TO 95%)

NOTES:

1. GEOTEXTILE FABRIC IS TO BE AMOCO PROPEX 2002 OR APPROVED EQUAL.

PAVERS IN VEHICULAR AREAS

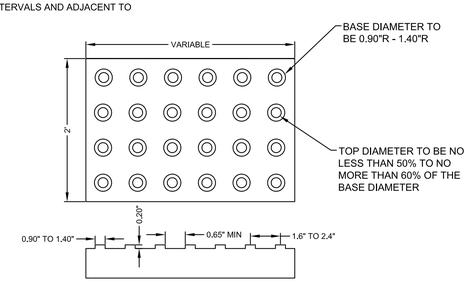
NOT TO SCALE




NOTES:

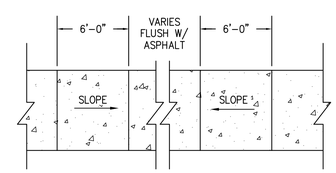
1. JOINT MATERIAL TO COMPLY WITH CURRENT NCDOT STANDARDS.
2. SANITARY SEWER CLEAN-OUTS, WATER METERS, MANHOLES, AND VALVE LIDS TO BE LOCATED OUTSIDE SIDEWALK WHERE FEASIBLE.
3. MINIMUM SIDEWALK WIDTH TO BE 6' MINIMUM IF PLACED AT BACK OF CURB.
4. CONCRETE FOR ALL SIDEWALKS (EXCEPT ANY PORTION CONTAIN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

| | | |
|---|---|---|
| DATE: OCTOBER, 2010 | STANDARD DETAIL | CITY OF WILMINGTON NORTH CAROLINA |
| DRAWN: PB/JSR | SIDEWALK | CITY OF WILMINGTON ENGINEERING PO BOX 1810 WILMINGTON N.C. 28402 (910) 341–7807 |
| CHECKED: DEC | | |
| SCALE NOT TO SCALE | | SD 3-10 |



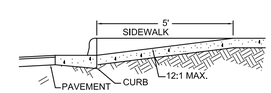

DETECTABLE WARNING MAT

NOT TO SCALE

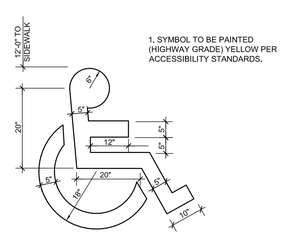



WHEELCHAIR RAMP (FLUSH PAVING)

NOT TO SCALE



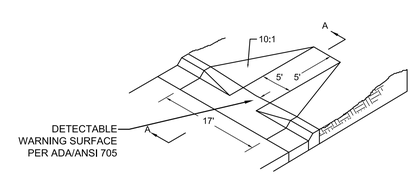

SECTION A-A




1. SYMBOL TO BE PAINTED (HIGHWAY GRADE) YELLOW PER ACCESSIBILITY STANDARDS.

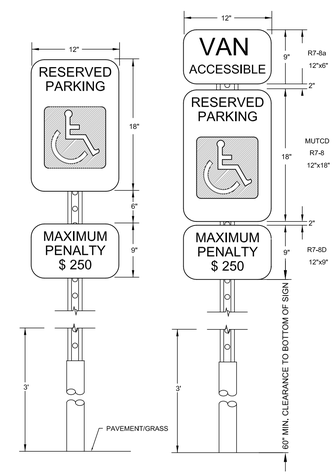
HANDICAPPED PARKING SYMBOL

NOT TO SCALE




WHEELCHAIR RAMP (DROP CURB)

NOT TO SCALE

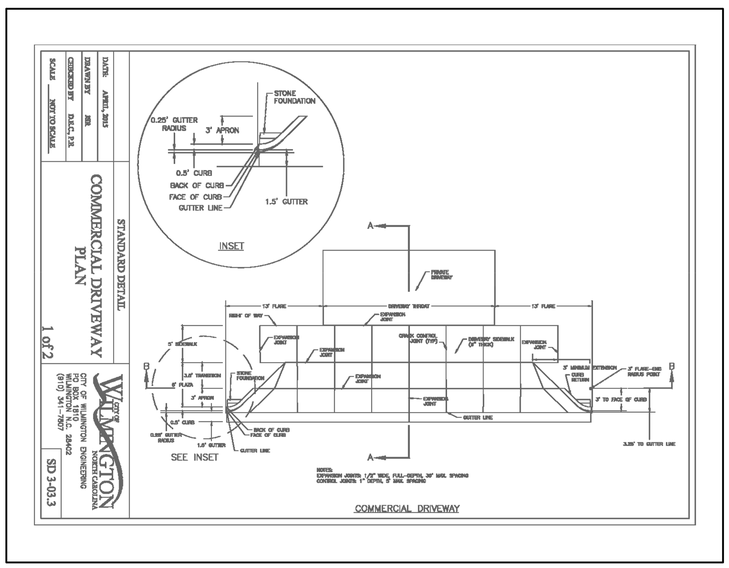



NOTES:

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

ADA COMPLIANT PARKING SIGN

NOT TO SCALE




PRELIMINARY DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:

| | |
|---|---|
| Rev 1 per TRC comments | 06/14/15 |
| Rev 2 per TRC comments | 06/29/15 |

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

DETAILS

THE POINTE AT BARCLAY
CITY OF WILMINGTON
NORTH CAROLINA

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

DRAWING INFORMATION
DATE: 06/10/15
SCALE: 1" = 20'-0"
DESIGNED: DHW
DRAWN: DHW
CHECKED: AHE

SEAL

C-7.0

PEI JOB#: 14222.PE