## GENERAL NOTES:

- 1. GENERAL BUILDING DIMENSIONS ARE SHOWN, FOR SPECIFIC DIMENSIONS REFER TO ARCHITECTURAL DRAWINGS.
- 2. ALL DIMENSIONS ARE TO BACK OF CURB UNLESS NOTED OTHERWISE.
- 3. ALL CURB OUTSIDE OF PUBLIC RIGHT OF WAYS TO BE 24".
- 4. WHERE SIDEWALKS OR WALKWAYS ABUT PARKING SPACES, UNLESS NOTED OTHERWISE WITH CURB AND GUTTER. ARE TO BE A MINIMUM OF SIX (6.0) FEET WIDE (DIMENSIONED FROM BACK OF CURB TO BACK OF WALK) WITH RAMPS PROVIDED AT INTERVALS TO ALLOW ADEQUATE ACCESS TO THE PARKING LOT. 5. DOORS ARE INDICATED ON ALL BUILDINGS FOR WHICH ARCHITECTURAL DESIGN HAS
- OCCURRED.

NOTED IN THESE PLANS.

- 6. REFER TO SHEET C5.2 FOR SITE DETAILS. 7. ALL ACCESSIBLE ROUTES MUST COMPLY WITH THE LATEST VERSION OF THE NC
- ACCESSIBILITY CODE. (CHAPTER 11 OF 2009 NC BUILDING CODE)
- 8. ALL SIDEWALKS TO BE CONSTRUCTED OF CONCRETE. 9. WORK IN THIS PROJECT SHALL CONFORM TO THESE PLANS, THE LATEST EDITIONS OF THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION (NCDOT) ROAD AND BRIDGE SPECIFICATIONS, THE NCDOT ROAD AND BRIDGE STANDARDS, THE NORTH CAROLINA EROSION AND SEDIMENT CONTROL HANDBOOK. THE NORTH CAROLINA EROSION AND SEDIMENT CONTROL REGULATIONS CHATHAM COUNTY DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS, THE FINAL GEOTECHNICAL REPORT, AND GENERAL DESIGN STANDARDS. IN THE EVENT OF CONFLICT BETWEEN ANY OF THESE STANDARDS, SPECIFICATIONS, OR PLANS, THE MOST STRINGENT SHALL GOVERN UNLESS OTHERWISE
- 10. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL JOBSITE SAFETY, INCLUDING BUT NOT LIMITED TO TRENCH SAFETY, DURING ALL PHASES OF CONSTRUCTION. ALL WORK SHALL COMPLY WITH ALL TOWN, COUNTY AND STATE REGULATIONS AND CODES AND O.S.H.A. STANDARDS.
- 11. THE LOCATION AND SIZE OF EXISTING UTILITIES AS SHOWN IS APPROXIMATE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR HORIZONTALLY AND VERTICALLY LOCATING AND PROTECTING ALL PUBLIC OR PRIVATE UTILITIES (SHOWN OR NOT SHOWN) WHICH LIE IN OR ADJACENT TO THE CONSTRUCTION SITE. AT LEAST 48 HOURS PRIOR TO ANY DEMOLITION, GRADING, OR CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL CALL "811" FOR PROPER IDENTIFICATION OF EXISTING UTILITIES WITHIN THE SITE, OR PROVIDE PRIVATE LOCATE TO MEET THIS STANDARD.
- 12. THE CONTRACTOR SHALL PROTECT ALL SIGNS, MANHOLES, TELEPHONE RISERS, WATER VALVES, ETC. DURING ALL CONSTRUCTION PHASES. THE CONTRACTOR SHALL REPAIR, AT HIS OWN EXPENSE, ANY EXISTING UTILITIES DAMAGED DURING CONSTRUCTION. ALL PROPOSED UTILITIES ON-SITE SHALL BE UNDERGROUND.
- 13. TRAFFIC CONTROL ON PUBLIC STREETS IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE IN CONFORMANCE WITH THESE PLANS, THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES," AND AS FURTHER DIRECTED BY THE COUNTY AND NCDOT.
- 14. ALL MANUFACTURERS' PRODUCTS SPECIFIED IN THESE PLANS OR USED AS APPROVED ALTERNATES SHALL BE INSTALLED PER THE MANUFACTURERS' SPECIFICATIONS. 15. ANY DISCREPANCIES FOUND BETWEEN THE DRAWINGS AND SPECIFICATIONS AND SITE
- CONDITIONS OR ANY INCONSISTENCIES OR AMBIGUITIES IN DRAWINGS OR SPECIFICATIONS SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER, IN WRITING, WHO SHALL PROMPTLY ADDRESS SUCH INCONSISTENCIES OR AMBIGUITIES. WORK DONE BY THE CONTRACTOR AFTER THE DISCOVERY OF SUCH DISCREPANCIES, INCONSISTENCIES, OR AMBIGUITIES SHALL BE DONE AT THE CONTRACTOR'S RISK.
- 16. CONSTRUCTION STAKEOUT FOR THIS PROJECT MAY BE PERFORMED BY THE CONTRACTOR, USING A DIGITAL (CADD) FILE PROVIDED BY THE ENGINEER THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES FOUND BETWEEN THE DIGITAL FILE AND THE CRITICAL STAKING DIMENSIONS SHOWN ON THIS PLAN (I.E. PAVEMENT WIDTHS, CURB RADII, BUILDING SETBACKS, BUILDING FOOTPRINTS, ETC.). ANY MODIFICATIONS MADE BY OTHERS TO THE DIGITAL FILE PROVIDED BY THE ENGINEER SHALL RENDER IT VOID.
- 17. A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL ARRANGE THE MEETING WITH CHATHAM COUNTY STAFF, ENGINEER AND OWNER.
- 18. CONTRACTOR IS RESPONSIBLE FOR VERIFYING OR OBTAINING ALL REQUIRED PERMITS AND 22. FIRE LANES SHALL BE MARKED THROUGHOUT THE SITE INCLUDING THE FRONT AND REAR OF APPROVALS PRIOR TO COMMENCING CONSTRUCTION.
- WATER MAIN, GAS AND WIRE UTILITY STRUCTURES SHALL BE ADJUSTED TO MATCH PROPOSED FINISHED ELEVATIONS AND SLOPES. 20. ROADWAYS AND BUILDINGS MUST BE CAPABLE OF SUPPORTING FIRE APPARATUS DURING
- CONSTRUCTION. 21. TOPOGRAPHIC. UTILITY AND OFF-SITE ROADWAY INFORMATION WAS TAKEN FROM SURVEY
- PREPARED BY WITHERS AND RAVENEL DATED 3/9/2020.
- 22. SURVEY WAS PREPARED BY MCKIM & CREED DATED 10/14/2019 23. WETLAND / BUFFER DELINEATION PERFORMED BY WITHERSRAVENEL ON 02/12/2020
- 24. CONTRACTOR SHALL PROTECT ALL MONUMENTS, IRON PINS AND PROPERTY CORNERS
- DURING CONSTRUCTION.
- 25. ANY REFERENCE TO A RETAINING WALL WITHIN THE PLAN SET IS FOR APPROVAL PERTAINING TO LOCATION, APPEARANCE, AND SIZE ONLY. ALL RETAINING WALLS MUST BE DESIGNED IN ACCORDANCE WITH REQUIRED BUILDING CODES.
- 26. HANDRAILS ARE REQUIRED AT ALL STAIRS WITH MORE THAN ONE RISER IN ACCORDANCE WITH NC BUILDING CODE.
- 27. LANDINGS ARE REQUIRED AT THE TOP OF ALL CURB RAMPS IN ACCORDANCE WITH NC BUILDING CODE, SLOPES IN ALL DIRECTIONS SHALL NOT BE STEEPER THAN 1:48.
- 28. LANDINGS ARE REQUIRED AT THE TOP AND BOTTOM OF ALL STAIRS IN ACCORDANCE WITH THE NC BUILDING CODE, LATEST VERSION.

#### UTILITY NOTES:

- 1. ALL FILL MATERIAL IS TO BE IN PLACE AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
- CONTRACTOR SHALL NOTIFY THE CHATHAM COUNTY UTILITY INSPECTORS 72-HOURS BEFORE CONNECTING TO ANY EXISTING LINE.
- SANITARY SEWER PIPE SHALL BE AS FOLLOWS: 8" PVC SDR35 PER ASTM D 3034, FOR PIPES LESS THAN 12' DEEP FOR SEWER MAINS 8" PVC SDR26 PER ASTM D 3034, FOR PIPES MORE THAN 12' DEEP FOR SEWER MAINS 6" PVC SCHEDULE 40 FOR SEWER SERVICES ONLY DUCTILE IRON PIPE PER AWWA C150 AND AWWA C151 FOR MAINS, LAYING CONDITION TYPE 2
- 4. WATER LINES SHALL BE AS FOLLOWS: 6" AND LARGER - DUCTILE IRON PIPE
- 5. MINIMUM TRENCH WIDTH AT THE TOP OF PIPE SHALL BE AT LEAST 18 INCHES GREATER THAN THE OUTSIDE DIAMETER OF THE PIPE.
- 6. PVC SANITARY SEWER SERVICES WHICH ARE 3' TO 14' DEEP SHALL REQUIRE BEDDING IN ACCORDANCE WITH DETAIL 7000.10 AND 7000.13 FOR PVC PIPE. PVC SERVICES WHICH ARE GREATER THAN 14' AND LESS THAN 20' SHALL REQUIRE CLASS A BEDDING IN ACCORDANCE WITH DETAIL 7000.13. ANY SERVICES (LESS THAN 6" IN DIAMETER) OVER 20' LONG AND LESS
- THAN 3' DEEP REQUIRE DIP. 7. ALL UTILITIES SHOULD BE KEPT 10' APART (PARALLEL) OR WHEN CROSSING 18" VERTICAL
- CLEARANCE (OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE OF PIPE).
- 8. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 3'-0" COVER ON ALL WATER MAINS. IN THE EVENT OF A VERTICAL CONFLICT BETWEEN WATERLINES, SANITARY LINES, STORM LINES AND GAS LINES (EXISTING AND PROPOSED), THE SANITARY LINE SHALL BE DUCTILE IRON PIPE WITH MECHANICAL JOINTS AT LEAST 10' ON BOTH SIDES OF CROSSING. THE WATERLINE SHALL HAVE MECHANICAL JOINTS WITH APPROPRIATE THRUST BLOCKING AS REQUIRED TO PROVIDE A MINIMUM OF 18" CLEARANCE. MEETING REQUIREMENTS OF ANSI A21.10 OR ANSI 21.11 (AWWA C-151) (CLASS 50). THE VERTICAL SEPARATION DISTANCE BETWEEN STORM SEWERS AND SANITARY SEWERS SHALL BE A MINIMUM OF 24".
- 10. LINES UNDERGROUND SHALL BE INSTALLED, INSPECTED AND APPROVED BEFORE
- BACKFILLING. 11. ALL CONCRETE FOR ENCASEMENTS SHALL HAVE A MINIMUM 28 DAY COMPRESSION STRENGTH
- AT 3000 PSI.
- 12. DRAWINGS DO NOT PURPORT TO SHOW ALL EXISTING UTILITIES. 13. EXISTING UTILITIES SHALL BE VERIFIED IN FIELD PRIOR TO INSTALLATION OF ANY NEW LINES.
- 14. REFER TO ARCHITECTURAL DRAWINGS FOR TIE-IN LOCATION AND ELEVATION OF ALL UTILITIES.
- CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THE SPECIFICATIONS OF THE NCDEQ WITH REGARDS TO MATERIALS, INSTALLATION, AND TESTING OF THE WATER AND SEWER LINES
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES. AND WHERE POSSIBLE. MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY
- EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. 17. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES CHARTED OR UNCHARTED WHICH MIGHT CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
- 18. ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS AND/OR TESTING REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO ANNOUNCED BUILDING POSSESSION AND THE FINAL CONNECTION OF SERVICE.
- 19. CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES FOR INSTALLATION REQUIREMENTS AND SPECIFICATIONS.
- A MINIMUM HORIZONTAL SEPARATION OF 10' AND A MINIMUM VERTICAL SEPARATION OF 2' BETWEEN STORM DRAINAGE AND SEWER AND 1' BETWEEN STORM DRAINAGE AND WATER
- UTILITIES MUST BE PROVIDED. 21. NO STRUCTURAL COMPONENT OF ANY RETAINING WALL CAN BE LOCATED WITHIN A
- RIGHT-OF-WAY OR EASEMENT.
- BUILDINGS AND IN FRONT OF FIRE HYDRANTS AND FDC'S.
- 19. THE FRAMES AND COVERS OF ALL EXISTING AND PROPOSED DRAINAGE, SANITARY SEWER, 23. ALL BUILDINGS SHALL HAVE BUILDING ADDRESSES POSTED ON THE BUILDING, IN A CLEARLY VISIBLE LOCATION.
  - 24. ALL GAS METERS AND ELECTRICAL EQUIPMENT SUBJECT TO VEHICLE IMPACT WILL BE PROTECTED BY BOLLARDS.
  - 25. NO PLANTS OR TREES WITHIN 3 FEET OF ALL FIRE DEPARTMENT EQUIPMENT.
  - 26. SEWER LINE EASEMENTS SHALL BE GRADED SMOOTH, FREE FROM ROCKS, BOULDERS, ROOTS, STUMPS, AND OTHER DEBRIS, AND SEEDED AND MULCHED UPON THE COMPLETION OF CONSTRUCTION.
  - 27. EASEMENTS ACROSS SLOPED AREAS SHALL BE GRADED UNIFORMLY ACROSS THE SLOPE TO NO STEEPER THAN A 5 TO 1 RATIO.
  - 28. ALL VALVES SHALL BE RESTRAINED IN BOTH DIRECTIONS IN A MANNER CONSISTENT WITH OPERATION AS A DEAD END USING STAINLESS STEEL RODDING AND BLOCKING ACCORDING TO
  - 29. SANITARY SEWER CLEANOUTS OUTSIDE OF PAVED AREAS MAY BE FINISHED WITH A THREADED PLASTIC PLUG UPON APPROVAL BY THE UTILITY INSPECTOR HAVING JURISDICTION.

# GRADING NOTES

- 1. REFER TO SITE CONSTRUCTION PLANS FOR CLEARING LIMITS AND TEMPORARY EROSION CONTROL DEVICES TO BE INSTALLED PRIOR TO COMMENCING CONSTRUCTION. 2. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED CONTINUOUSLY,
- RELOCATED WHEN AND AS NECESSARY. AND SHALL BE CHECKED AFTER EVERY RAINFALL SEEDED AREAS SHALL BE CHECKED REGULARLY AND SHALL BE WATERED, FERTILIZED, RESEEDED, AND MULCHED AS NECESSARY TO OBTAIN A DENSE STAND OF GRASS.
- 3. ALL AREAS SHALL BE GRADED FOR POSITIVE DRAINAGE, AND AS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL MAINTAIN ADEQUATE SITE DRAINAGE DURING ALL PHASES OF CONSTRUCTION. IN ADDITION TO THE MEASURES SHOWN IN THESE PLANS, THE CONTRACTOR SHALL USE INTERIM SILT FENCES, DIVERSION DITCHES, BERMS, OR OTHER METHODS AS REQUIRED TO DIRECT DRAINAGE AS SHOWN ON THESE PLANS AND TO PREVENT SILT AND CONSTRUCTION DEBRIS FROM FLOWING ONTO ADJACENT PROPERTIES. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE STATE AND LOCAL EROSION, CONSERVATION, AND SILTATION ORDINANCES. CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL DEVICES UPON COMPLETION OF PERMANENT DRAINAGE FACILITIES AND THE ESTABLISHMENT OF A STAND OF GRASS OR OTHER GROWTH TO PREVENT EROSION.
- 4. GRADING CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES FOR ANY REQUIRED UTILITY ADJUSTMENTS AND/OR RELOCATIONS.
- 5. ALL MATERIALS USED FOR BACKFILL SHALL BE FREE OF WOOD, ROOTS, ROCKS, BOULDERS, OR ANY OTHER NON-COMPATIBLE SOIL TYPE MATERIAL. UNSATISFACTORY MATERIALS ALSO INCLUDE MAN-MADE FILLS AND REFUSE DEBRIS DERIVED FROM ANY SOURCE.
- 6. MATERIALS USED TO CONSTRUCT EMBANKMENTS FOR ANY PURPOSE, BACKFILL AROUND DRAINAGE STRUCTURES, OR IN UTILITY TRENCHES FOR ANY OTHER DEPRESSION REQUIRING FILL OR BACKFILL SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY AS DETERMINED BY THE STANDARD PROCTOR TEST AS SET OUT IN ASTM STANDARD D-698. THE CONTRACTOR SHALL, PRIOR TO ANY OPERATIONS INVOLVING FILLING OR BACKFILLING. SUBMIT THE RESULTS OF THE PROCTOR TEST TOGETHER WITH A CERTIFICATION THAT THE SOIL TESTED IS REPRESENTATIVE OF THE MATERIALS TO BE USED ON THE PROJECT. TESTS SHALL BE CONDUCTED BY A CERTIFIED MATERIALS TESTING LABORATORY AND THE CERTIFICATIONS MADE BY A LICENSED PROFESSIONAL ENGINEER REPRESENTING THE LABORATORY.
- 7. ALL DEMOLITION DEBRIS AND OTHER EXCESS MATERIAL SHALL BE HAULED OF-SITE AS DIRECTED BY THE OWNER AND PROPERLY DISPOSED OF. \*AT OWNER'S DISCRETION, UTILIZE MATERIALS AT NON-STRUCTURAL EMBANKMENTS.
- 8. REFERENCE STRUCTURAL DRAWINGS AND SPECIFICATIONS AND GEOTECHNICAL REPORT FOR BUILDING PAD AND PAVING SUB GRADE INFORMATION.
- 9. ALL SPOT GRADE ELEVATIONS IN CURB AND GUTTER REPRESENT EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- 10. PROPOSED CONTOURS AND GUTTER GRADIENTS ARE APPROXIMATE. PROPOSED SPOT ELEVATIONS ARE TO BE USED IN CASE OF DISCREPANCY. 11. THE CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED FOR BLASTING ROCK IF BLAST
- ROCK IS ENCOUNTERED. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL BLASTING AND SAFETY REQUIREMENTS. 12. THE CONTRACTOR SHALL INCLUDE IN THE CONTRACT PRICE ANY DEWATERING NECESSARY
- TO CONSTRUCT THE PROJECT AS SHOWN ON PLANS. 13. ACCESSIBLE ROUTES AND PARKING AREAS MUST BE PROVIDED IN ACCORDANCE WITH THE CURRENT ADA REQUIREMENTS (CHAPTER 11 OF THE 2018 BUILDING CODE). THE RUNNING SLOPE OF WALKING SURFACES CANNOT BE STEEPER THAN 1:20 AND CROSS SLOPE OF WALKING SURFACES CANNOT BE STEEPER THAN 1:48. WHICH INCLUDES CROSSWALKS. ADDITIONALLY, ACCESSIBLE PARKING SPACES MUST BE PROPERLY DESIGNED TO SHOW THAT FULL COMPLIANCE IS BEING PROVIDED TO THE CURRENT ADA REQUIREMENTS (NUMBER, LOCATION, ETC.).
- 14. THE PLACEMENT OF ANY FILL MATERIAL MUST BE CONDUCTED UNDER THE OBSERVATION OF A QUALIFIED LICENSED GEOTECHNICAL ENGINEER AND UPON COMPLETION OF THE FARTHWORK ACTIVITIES THE TOWN MUST BE PROVIDED WITH A FINAL GRADING REPORT THAT INCLUDES THE CORRESPONDING COMPACTION TEST RESULTS AND CERTIFIES THE TYPE OF FILL MATERIAL AND ITS PROPER PLACEMENT.
- 15. FEMA FLOODPLAIN EXISTS ONSITE AND SHOWN PER FEMA FIRM #3720074500J, PANEL 0745, EFFECTIVE DATE MAY 2, 2006.

## PAVING/CURBING NOTES

- 1. WHERE PROPOSED CURB AND GUTTER TIES TO EXISTING CURB OR CURB AND GUTTER, A TRANSITION OF 10' SHALL BE MADE TO CONFORM TO THE EXISTING HEIGHTS AND SHAPES. 2. BEFORE ANY EARTHWORK IS DONE, THE CONTRACTOR SHALL STAKE OUT AND MARK THE
- LIMITS OF PAVEMENT AND OTHER ITEMS ESTABLISHED IN THE PLANS. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SURVEYING FOR LINE AND GRADE CONTROL POINTS RELATED TO EARTHWORK.
- ALL PAVEMENT SUB GRADES SHALL BE SCARIFIED TO A DEPTH OF 8 INCHES AND COMPACTED TO A MINIMUM DENSITY OF 100 PERCENT OF ASTM D-1557 DENSITY AT OPTIMUM MOISTURE CONTENT UNLESS OTHERWISE SHOWN ON THE CONSTRUCTION PLANS OR AS DIRECTED BY THE GEOTECHNICAL ENGINEER. FILL SHALL BE PLACED AND COMPACTED IN MAXIMUM 8" LIETS IN AREAS WHERE ROCK IS ENCOUNTERED AT FINAL SUB GRADE FLEVATION THE EXPOSED ROCK SHALL BE TOPPED WITH A LEVELING COURSE OF SANDY CLAY OR CLAYEY SAND (P.I. BETWEEN 4 AND 15) AS NEEDED TO PROVIDE A SMOOTH SURFACE FOR PAVING.
- 4. ALL CURB JOINTS SHALL EXTEND THROUGH THE CURB. MINIMUM LENGTH OF OFFSET JOINTS AT RADIUS POINTS IS 1.5 FEET. ALL JOINTS SHALL BE SEALED WITH JOINT SEALANT.
- 5. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL SOIL TESTING IS PERFORMED AND THE RESULTS FORWARDED TO THE ENGINEER AND OWNER.
- 6. CONTRACTOR SHALL FURNISH AND INSTALL ALL PAVEMENT MARKINGS FOR FIRE LANES. PARKING STALLS, HANDICAPPED PARKING SYMBOLS, AND MISCELLANEOUS STRIPING WITHIN PARKING LOT AND AROUND BUILDINGS AS SHOWN ON THE PLANS. ALL PAINT FOR PAVEMENT MARKINGS SHALL ADHERE TO NCDOT STANDARDS.
- 7. ALL HANDICAP RAMPING, STRIPING AND PAVEMENT MARKINGS SHALL CONFORM TO ADA REQUIREMENTS AND THE "2009 NORTH CAROLINA STATE BUILDING CODE, CHAPTER 11" 8. TESTING OF MATERIAL REQUIRED FOR THE CONSTRUCTION OF THE PARKING IMPROVEMENTS SHALL BE PERFORMED BY AN APPROVED AGENCY FOR TESTING MATERIALS. THE
- NOMINATION OF THE TESTING LAB AND THE PAYMENT OF EACH TESTING SERVICES SHALL BE MADE BY THE OWNER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SHOW, BY STANDARD TESTING PROCEDURES, THAT THE WORK CONSTRUCTED MEETS THE REQUIREMENTS OF THE NCDOT AND COUNTY SPECIFICATIONS.

#### STORM DRAINAGE NOTES:

- THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS SHOWN, INCLUDING THE HORIZONTAL AND VERTICAL LOCATION OF CURB INLETS AND GRATE INLETS AND ALL UTILITIES CROSSING THE STORM SEWER.
- 2. THE SITE UTILITY CONTRACTOR SHALL PROVIDE ALL MATERIALS AND APPURTENANCES NECESSARY FOR COMPLETE INSTALLATION OF THE STORM SEWER.
- 3. ALL RCP SEWER MAINS AND LATERALS SHALL BE MINIMUM CLASS III REINFORCED CONCRETE PIPE, UNLESS OTHERWISE NOTED.
- 4. THE LOCATIONS OF STORM SEWER STRUCTURES SHOWN ON THESE PLANS ARE APPROXIMATE. WHERE PROPOSED STORM SEWER PIPING TIE TO EXISTING STRUCTURES, PIPES, SWALES, ETC., THE CONTRACTOR SHALL FIELD ADJUST PROPOSED STORM SEWERS TO MATCH THE LOCATIONS OF THESE EXISTING FEATURES.
- 5. UPON COMPLETION OF A PROJECT, AND BEFORE A CERTIFICATE OF OCCUPANCY SHALL BE GRANTED. THE APPLICANT SHALL CERTIFY THAT THE COMPLETED PROJECT IS IN ACCORDANCE WITH THE APPROVED STORMWATER MANAGEMENT PLANS AND DESIGNS, AND SHALL SUBMIT ACTUAL "AS BUILT" PLANS FOR ALL STORMWATER MANAGEMENT FACILITIES OR PRACTICES AFTER FINAL CONSTRUCTION IS COMPLETED."

## PERMITTING NOTES:

- 1. CHATHAM COUNTY WATER AND SEWER PERMITS REQUIRED PRIOR TO COMMENCING UTILITY WORK.
- 2. NCDEQ LAND DISTURBANCE PERMIT AND CERTIFICATE OF COMPLIANCE REQUIRED PRIOR TO COMMENCING GRADING OPERATIONS
- 3. STREAM IMPACT PERMITS SHALL BE SECURED VIA THE STATE AND THE ARMY CORP. OF ENGINEERS PRIOR TO ANY STREAM DISTURBANCE OCCURS.
- 4. NCDOT UTILITY ENCROACHMENTS AND DRIVEWAY PERMITS (TEMPORARY AND PERMANENT) MUST BE SECURED PRIOR TO STARTING ANY WORK WITHIN THE RENAISSANCE DRIVE R/W

STANDARD SPECIFICATIONS UNLESS OTHERWISE SHOWN ON THE PLANS.

# LEGEND

RADIUS

SLOPE

SOUTH STORM DRAIN

STATION SPACE

TYPICAL

VERTICAL

WEST

SANITARY SEWER

SEWER MANHOLE

SINGLE WHITE LINE

TO BE DETERMINED

REINFORCED CONCRETE PIPE

SEDIMENT AND EROSION CONTROL

RCP

SS

SMH

SWL

STA

TBD

TYP

VERT

W.

S OR SO

EXISTING	DESCRIPTION	PROPOSED	DESCRIPTION	SYMBOL
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	PROPERTY/KOW		TREE PROTECTION FENCE	TP
	SEIBACK		SILT FENCE	SF
	EASEMENT		DIVERSION SWALE	>TD
	CENTERLINE		CONSTRUCTION ENTRANCE	
	MONUMENT		CONSTRUCTION LIMIT	
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<u> عللد</u>	WETLANDS	<u>- 34/2</u>	STRUCTURE TO BE	
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::: <u></u>	EDGE WATER	:::	CONSTRUCTION ENTRANCE	2029
	TREELINE		PAVEMENT MARKING DIRECTIONAL ARROW	s →
— — —25— — —	CONTOURS (MAJOR)	25	PROPOSED CONCRETE	1
22 <u></u>	CONTOURS (MINOR)	22	TYPICAL FOR SIMILAR AREAS	(TYP)
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w	WATER	w		-
SS 12" RCP	SEWER	SS		-= =-= •
	STORM DRAIN			
FM	FORCE MAIN	FM	TOP OF WALL SPOT ELEVATION	TW 405.00
——— Е —— ——— ОНЕ———	UNDERGROUND ELEC OVERHEAD ELEC	E 	BOTTOM OF WALL SPOT ELEVATION	BW 405.00
UT	UNDERGROUND TEL	UT	END OF WALL SPOT ELEVATION TOP OF CURB SPOT ELEVATION	• <u>EW 405.00</u>
ΓT	TRANSFORMER PAD	ΓT	FINISHED GRADE SPOT ELEVATION	405.00
	GATE VALVE	M	FINISHED GRADE SLOPE	-1.25%
181	POST INDICATOR VALVE	8		
¢	LIGHT POLE	*		
-0-	UTILITY POLE	<b>.</b>		
-Q-	FIRE HYDRANT	*		
	CATCH BASIN	=	ARREVIATION LIST	
ഀൕ	MANHOLE	•	APPROX - APP	ROXIMATE
Ŵ		M	AD - ANG BPE - BUIL	GLE DEVIATION DING PAD ELEVATION
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