# 17TH STREET STORAGE 1101 S. 17TH STREET WILMINGTON, NORTH CAROLINA 28401



Public Services 

Engineering Division

APPROVED STORMWATER MANAGEMENT PLAN
Date: \_\_\_\_\_\_ Permit #\_\_\_\_\_\_

Signer

Approved Construction Plan

Planning

Fraffic \_\_\_\_\_\_

	For each open utility cut of					
	City streets, a \$325 permit					
	shall be required from the					
1	City prior to occupancy					
	and/or project acceptance.					
	NCDENR PWSS WATER PERMIT	#:				
	WATER CAPACI	ΓY: _				GPD
	DWQ SEWER PERMIT	#:				
	SEWER CAPACI	ΓY: _				GPD
	SEWER SHED # AND PLAN	NT: _				
	SEWER TO FLOW THROUGH N	EI:	YES or	NO	(CIRCLE	ONE)

#### NOTICE REQUIRED

Date

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

2.) 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.

3.) CONTRACTOR SHALL CONTACT AT&T PRIOR TO ANY DEMOLITION TO ALLOW FOR AT&T TO DISCONNECT COMMUNICATIONS CABLES COMING INTO THE SITE.

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

#### CONTACT THESE UTILITIES

CITY OF WILMINGTON DEVELOPMENT SERVICES ATTN: BRIAN CHAMBERS PH: 910-342-2782

PIEDMONT NATURAL GAS ATTN: CARL PAQUET PH: 910-350-2242

EMERGENCY DIAL 911 POLICE - FIRE - RESCUE CAPE FEAR PUBLIC UTILITY AUTHORITY (WATER & SEWER) ATTN: MATTHEW TRIBETT PH: 910-332-6674

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

AT&T ATTN: STEVE DAYVAULT (BUILDING ENGINEER) PH: 910-341-0741 ATTN: JAMES BATSON (OFF-SITE COMMUNICATIONS ENGINEER) PH: 910-341-1621

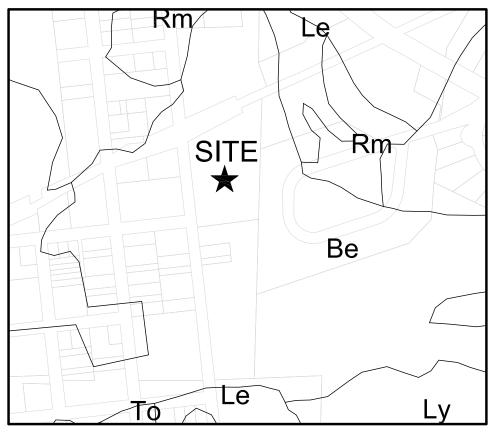
TIME WARNER CABLE PH: 910-763-4638

## DESIGN DOCUMENTS FEBRUARY 2017

PROJECT ADDRESS: 1101 S. 17TH STREET WILMINGTON, NC 28401



VICINITY MAP SCALE: 1"=1000'



SCALE: 1"=500'

OWNER:

GHK CAPE FEAR DEVELOPMENT 1051 MILITARY CUTOFF RD., STE. 200 WILMINGTON, NORTH CAROLINA 28405 ATTN: MIKE BROWN (910) 344-1010

ENGINEER (CIVIL): PARAMOUNTE ENGINEERING, INC. 122 CINEMA DRIVE WILMINGTON, NORTH CAROLINA 28403 ATTN: ROB BALLAND, P.E. (910) 791-6707

SHEET INDEX				
SHEET NUMBER	SHEET TITLE			
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C-1.0	GENERAL NOTES			
C-2.0	SITE LAYOUT TREE REMOVAL PLAN			
C-2.1				
C-3.0	GRADING-DRAINAGE-EC PLAN			
C-4.0-4.1	DETAILS			
L-1.0	LANDSCAPE PLAN			

Know what's below. Call before you dig. PREPARED BY: **PARAMOUNTE** 122 Cinema Drive Wilmington, North Carolina 28403 (910) 791-6707 (O) (910) 791-6760 (F) NC License #: C-2846

**PROJECT # 16132.PE** 

PRELIMINARY DESIGN - NOT RELEASED FOR CONSTRUCTION

#### COORDINATION NOTES: THE CONTRACTOR IS REQUIRED TO OBTAIN ANY/ALL PERMITS REQUIRED FOR CONSTRUCTION OF THESE PLANS. 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. 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). 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 CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS BY OTHERS FOR ALL BUILDING DIMENSIONS AND DETAILS. GENERAL NOTES: TREE INVENTORY AND TOPOGRAPHIC SURVEY COMPLETED BY PARAMOUNTE ENGINEERING, INC. THE SURVEY SHALL BE FIELD VERIFIED BY CONTRACTOR AND ANY DISCREPANCIES REPORTED TO THE OWNER AND ENGINEER. 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 ACHIEVED 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 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. 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 PAYMENT). UNIFORM TRAFFIC CONTROL DEVICES" BY THE USDOT. 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 ALL WORK BY THE CONTRACTOR SHALL BE WARRANTED BY THE CONTRACTOR FOR A PERIOD OF ONE YEAR AFTER THE OWNER ACCEPTS THE WORK. DEMOLITION NOTES: CONTRACTOR SHALL CALL THE NORTH CAROLINA ONE-CALL CENTER AT 811 AN ALLOW THE CENTER TO LOCATE EXISTING UTILITIES BEFORE DIGGING. 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. CONTRACTOR SHALL MAINTAIN THE SITE IN A MANNER SO THAT WORKMEN AND PUBLIC SHALL BE PROTECTED FROM INJURY, AND ADJOINING PROPERTY PROTECTED FROM DAMAGE. ACCESS TO UTILITIES, FIRE HYDRANTS, STREET LIGHTING, ETC., SHALL REMAIN UNDISTURBED, UNLESS COORDINATED WITH THE RESPECTIVE UTILITY. . DO NOT SCALE THIS DRAWING AS IT IS A REPRODUCTION AND SUBJECT TO DISTORTION. THE GENERAL CONTRACTOR SHALL REMOVE ALL DEBRIS FROM THE SITE UPON COMPLETION OF THE PROJECT AND AT LEAST ONCE A WEEK DURING CONSTRUCTION. THE GENERAL CONTRACTOR SHALL KEEP THE AREA OUTSIDE THE "CONSTRUCTION LIMITS" BROOM OWNER. CLEAN AT ALL TIMES. 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 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. 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 DOCUMENTS SHALL BE MADE WITHOUT THE PERMISSION OF THE OWNER, THE CITY OF WILMINGTON, NEW HANOVER COUNTY, OR CFPUA. RESPECTIVELY. 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 11. CONTACTING ALL NONSUBSCRIBING UTILITIES. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL INSPECTIONS, CERTIFICATIONS, EQUIPMENT, 12. ETC., THAT MAY BE REQUIRED. 19. 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. 20. ALL LOT STRIPING AND DIRECTIONAL ARROWS TO BE REFLECTIVE MARKINGS AND SHALL CONFORM TO MUTCD. ALL PARKING STALL MARKINGS AND LANE ARROWS WITHIN THE PARKING AREAS SHALL BE WHITE. 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

22. ALL DIMENSIONS AND RADII ARE TO OUTSIDE FACE OF BUILDING OR TO FACE OF CURB UNLESS OTHERWISE NOTED.

ENTRANCE/EXIT LOCATIONS PER LOCAL STANDARDS.

#### GENERAL EROSION AND SEDIMENT CONTROL NOTES:

- 1. THE EROSION CONTROL PLAN SHALL INCLUDE PROVISIONS FOR GROUNDCOVER PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES AND ALL SLOPES STEE CALENDAR DAYS FROM THE LAST LAND DISTURBING ACTIVITY. GROUND COVER ALL OTHER DISTURBED AREAS WITHIN 14 CALENDAR DAYS FROM THE LAST LAND
- 2. UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AN MEASURES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH TH STANDARDS AND SPECIFICATIONS OF THE NORTH CAROLINA EROSION AND SEDIM HANDBOOK, (NO SEPARATE PAYMENT),
- 3. THE CONTRACTOR SHALL NOTIFY PLAN APPROVING AUTHORITY ONE WEEK PRIOR PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF ACTIVITY, AND ONE WEEK PRIOR TO FINAL INSPECTION.
- 4. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO LAND DISTURBANCE.
- 5. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN AND PERMIT ON THE SITE AT ALL TIMES.
- 6. PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INC PLANS (INCLUDING, BUT NOT LIMITED TO OFF-SITE BORROW OR WASTE AREAS ST. AREAS), THE CONTRACTOR SHALL PREPARE AND SUBMIT A SUPPLEMENTARY ERC TO THE OWNER FOR REVIEW AND TO NEW HANOVER COUNTY FOR APPROVAL. CO ALL FEES REQUIRED AND SHALL INSTALL NECESSARY MEASURES AT NO SEPARAT CONTRACTOR SHALL PROVIDE THE OWNER AND THE ENGINEER A COPY OF THE A
- 7. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROS MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMI REVIEWING AGENCY OR THE ENGINEER. (NO SEPARATE PAYMENT).
- 8. ALL DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASU DURING LAND DISTURBING ACTIVITIES AND DURING SITE DEVELOPMENT UNTIL FIN
- 9. ALL AREAS DISTURBED BY CONSTRUCTION UNLESS OTHERWISE IMPROVED SHALI SEEDED AS INDICATED AND STABILIZED.
- 10. DURING DEWATERING OPERATIONS, WATER SHALL BE PUMPED INTO AN APPROVE PRIOR TO DISCHARGE TO RECEIVING OUTLET.
- 11. THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODIC/ RUNOFF-PRODUCING EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTA OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY.
- 12. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED BY CONTRA STABILIZATION OR A SUFFICIENT GROUND COVER HAS BEEN ESTABLISHED OR AS ENGINEER. (NO SEPARATE PAYMENT). NCDENR'S FINAL APPROVAL IS REQUIRED.
- 13. TEMPORARY GRAVEL CONSTRUCTION ENTRANCE SHALL BE REQUIRED AT ALL CO AREA ENTRANCES AND ALL CONSTRUCTION ACCESS LOCATIONS INTO NON-PAVED
- 14. WHEN CROSSING CREEK OR DRAINAGE-WAY, THE DIVISION OF WATER QUALITY SI PRIOR TO DISTURBING A CREEK. THE CONTRACTOR SHALL INSTALL RIP-RAP WITH DISTURBED BANKS AND CHANNEL AND RESTORE SLOPES TO ORIGINAL CONTOUR THAN 2:1 MAXIMUM. DISTURBED CREEK AREA SHALL BE STABILIZED IMMEDIATELY.
- CONTRACTOR TO COORDINATE WITH THE OWNER TO PROPERLY MAINTAIN OR SERVICE CONNECTIONS WHEN NECESSARY.
- CONTRACTOR IS TO WALK THE SITE AND BECOME FAMILIAR WITH THE SCOPE ( REQUIRED. ALL DEMOLITION WORK REQUIRED TO CONSTRUCT NEW SITE IMPR PERFORMED BY THE CONTRACTOR AND WILL BE CONSIDERED UNCLASSIFIED I
- DEMOLITION SHALL INCLUDE BUT IS NOT LIMITED TO THE EXCAVATION, HAULIN DISPOSAL OF CONCRETE PADS, CONCRETE DITCHES, FOUNDATIONS, SLABS, S STRUCTURES; ABANDONED UTILITIES, BUILDINGS, PAVEMENTS AND ALL MATER STRIPPED TO THE EXTENT NECESSARY AS DIRECTED BY THE GEOTECHNICAL I INSTALLATION OF THE NEW IMPROVEMENTS AND WITHIN THE LIMITS OF CLEAR AS SHOWN ON THESE PLANS.
- THE CONTRACTOR SHALL PROTECT ALL ADJACENT PROPERTY, STRUCTURES / PROPERTY NOT TO BE DEMOLISHED. DAMAGE TO PROPERTIES OF OTHERS DU CONTRACTOR'S ACTIVITIES SHALL BE REPLACED IN KIND BY THE CONTRACTOR
- ELECTRIC, TELEPHONE, SANITARY SEWER, WATER AND STORM SEWER UTILITI OFF-SITE PROPERTIES SHALL BE MAINTAINED DURING THE CONSTRUCTION PR CONTRACTOR.
- THE CONTRACTOR SHALL PRODUCE A PHOTOGRAPHIC RECORD (DIGITAL) OF COMMENCING WITH A RECORD OF THE SITE AS IT APPEARS BEFORE DEMOLIT AFTERWARDS, A PHOTOGRAPHIC RECORD SHALL BE MAINTAINED WEEKLY DU AND ENDING WITH A PHOTOGRAPHIC RECORD OF THE DEVELOPMENT AS IT AP DEMOLITION. THIS RECORD SHALL BE DELIVERED TO THE OWNER.
- EXISTING CURB AND GUTTER, LIGHTS, SIDEWALK, AND UTILITIES NOT INTENDED SHALL BE MAINTAINED, PROTECTED AND UNDISTURBED DURING DEMOLITION.
- ALL EXISTING IMPROVEMENTS INDICATED OR REQUIRED TO BE DEMOLISHED S FROM THE PROPERTY AND PROPER DISPOSAL.
- CONTRACTOR SHALL COORDINATE RELOCATION OF ALL EXISTING OVERHEAD UTILITIES INCLUDING CABLE, GAS, TELEPHONE AND ELECTRIC AND ANY OTHER THE SITE WITH THE RESPECTIVE COMPANIES.
- CONTRACTOR SHALL MAINTAIN REQUIRED DISTANCES FROM HIGH VOLTAGE O REMOVE TREES SO THEY DO NOT FALL TOWARDS OVERHEAD ELECTRICITY.
- PROVIDE SMOOTH SAW CUT OF EXISTING PAVEMENTS, CURBS AND GUTTERS A DEMOLISHED.
- ALL DEMOLITION WORK SHALL BE DONE IN STRICT ACCORDANCE WITH LOCAL, REGULATIONS AS WELL AS OSHA REGULATIONS.
- 13. EXISTING FIRE HYDRANTS ON OR NEAR THE SITE ARE TO REMAIN IN SERVICE.
- INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM A BUT THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATION

#### TRAFFIC NOTES:

- ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY & FOR DRIVEWAY(S) ARE & MEET CITY OF WILMINGTON AND/OR NCDOT STANDARDS.
- TRAFFIC CONTROL DEVICES (INCLUDING SIGNS AND PAVEMENT MARKINGS) IN TRAFFIC ARE TO MEET MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVIC
- 3. ALL TRAFFIC CONTROL SIGNS AND MARKINGS NOT WITHIN THE PUBLIC RIGHT-C MAINTAINED BY THE PROPERTY OWNER IN ACCORDANCE WITH MUTCD STANDA
- 4. ALL PARKING STALL MARKINGS AND LANE ARROWS WITHIN THE PARKING AREAS SHALL BE WHITE.
- 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 RIGHT OF WAY.
- 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.

	ERO	SION CONTROL AND SEQUEN	ICE OF CONSTRUC	TION NOTES:					
ON ALL EXPOSED EPER THAN 3:1 WITHIN 7 SHALL BE PROVIDED ON DISTURBING ACTIVITY.	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 DISTURBANCE IS STABILIZED AND ALL IMPROVEMENTS WITHIN THE DISTURBANCE LIMITS ARE COMPLETE.								
ND SEDIMENT CONTROL IE MINIMUM MENT CONTROL		CONSTRUCT TEMPORARY ( DISTURBANCE, TREE PROT							
R TO THE OF LAND DISTURBING		CLEAR AND REMOVE FROM WITHIN THE DESIGNATED C		DESIGNATED, ROOTS, R	COOT MAT, ETC. FROM THE A	AREA			
D CLEARING AND/OR		INSTALL REMAINING EROSI DISTURBED. ALL EROSION CONSTRUCTION.			I THE PLANS WITHIN THE AR ED BEFORE COMMENCING	EA			
T SHALL BE MAINTAINED		PLANT GRASS OVER ALL GI ACTIVITY.	RADED AREAS WI	THIN 14 WORKING DAYS	S OF CEASE OF ANY GRADIN	IG			
DICATED ON THESE		IMMEDIATELY UPON THE INSTALLATION OF ANY STORM DRAINAGE CATCH BASIN, DROP INLET, ETC., THE CONTRACTOR SHALL INSTALL INLET PROTECTION TO PREVENT SEDIMENT FROM ENTERING THE DRAINAGE SYSTEM.							
OSION CONTROL PLAN DNTRACTOR SHALL PAY TE PAYMENT. THE MENDED PERMIT.		THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING AND RESTORING TO PRE-CONSTRUCTION CONDITIONS ANY AREAS OUTSIDE THE PROJECT LIMITS THAT MAY INADVERTENTLY BE DAMAGED DUE TO THE FAILURE OF THE EROSION CONTROL MEASURES.							
SION CONTROL IINED BY EITHER THE	l	THE FAILURE OF THE EROSION CONTROL MEASURES. DURING GRADING AND AFTER GRADING HAS BEEN COMPLETE, THE CONTRACTOR SHALL CONTINUE TO MAINTAIN PERMANENT AND TEMPORARY EROSION CONTROL MEASURES UNTIL FINAL APPROVAL BY ENGINEER OR EROSION CONTROL INSPECTOR.							
JRES AT ALL TIMES NAL STABILIZATION IS		UPON RECEIVING FINAL AP MEASURES.	PROVAL, THE COM	NTRACTOR CAN REMO	/E TEMPORARY EROSION CO	ONTROL			
L BE SODDED OR		THE CONTRACTOR SHALL ( AREAS UNTIL ALL CONSTRI			ND MAINTAIN GRASS & PLAI	NTED			
ED FILTERING DEVICE									
ALLY AND AFTER EACH		SION CONTROL MAINTENAN			ED FOR STABILITY AND OPE				
IN THE EFFECTIVENESS	F	OLLOWING EVERY RUNOFI	F- PRODUCING RA	INFALL BUT IN NO CAS	E LESS THAN ONCE EVERY L PRACTICES AS DESIGNED	WEEK.			
ACTOR ONCE 5 DIRECTED BY THE -	C				SED WITH AN ADDITIONAL 2 S TRACKED INTO THE STREE				
DNSTRUCTION STAGING D AREA. (NO SEPARATE	F	ENCE. THE SEDIMENT FEN ENCE STAKES MUST BE ST	CE WILL BE BE RE TEEL, AND SPACEI	PAIRED AS NECESSAR D 6 FEET MAX. WITH EX	IT BECOMES HALF-FILLED A Y TO MAINTAIN A BARRIER. TRA STRENGTH FABRIC ANI	SILT D NO WIRE			
HALL BE CONTACTED H FABRIC ALONG S, BUT NOT STEEPER	E	BACKING ARE USED. IF ROC	K FILTERS (OR E) K OR WATTLE WIL	(CELSIOR WATTLES) AF L BE REPAIRED OR REI	STRENGTH FABRIC AND WIR RE DESIGNED AT LOW POINT PLACED IF IT BECOMES HAL	IN THE			
	S				Y, AND MULCHED ACCORDIN S TO MAINTAIN A VIGOROUS				
R RELOCATE EXISTING	HALF OF THE DEPTH OF THE ROCK TO PROVIDE ADEQUATE FLOW FOR SUBSEQUENT RAINS. TAKE CARE NOT TO DAMAGE OR UNDERCUT THE WIRE MESH DURING SEDIMENT REMOVAL. REPLACE STONE AS								
OF DEMOLITION NEEDED. ROVEMENTS WILL BE EXCAVATION. 6. SEDIMENT BASIN/SEDIMENT TRAPS - REMOVE SEDIMENT AND RESTORE THE BASIN TO ITS ORIGINAL DIMENSIONS WHEN IT ACCUMULATES TO WITHIN ONE HALF OF THE DESIGN DEPTH. PLACE SEDIMENT									
NG AND OFFSITE	0	DAMAGE, PIPING, AND SETT	LEMENT. MAKE A	LL NECESSARY REPAIR	LWAYS, AND OUTLET FOR E RS IMMEDIATELY. REMOVE /				
STEPS, AND RIALS CLEARED AND									
ENGINEER FOR THE RING AND GRADING AND	ר ר	THE INTAKE MECHANISM, O THE BASIN IS DRY, MAKE SU	RIFICE, OR DISCH	ARGE PIPE IS NOT CLO GETATION GROWING O	EACH RAINFALL TO MAKE SU OGGED WITH TRASH OR SED IN THE BOTTOM IS NOT HOLI INT THE SKIMMER FROM PLU	IMENT. IF DING THE			
AND UTILITIES ON THE		WITH ICE.							
R AT NO COST TO	C F	DR GREATER) RAINFALL EV PLACE, OR IF STONES HAVE	ENTS TO SEE IF A	NY EROSION AROUND	EKLY AND AFTER SIGNIFICA OR BELOW THE RIP RAP HAS ALL NEEDED REPAIRS TO F	S TÄKEN			
IES THAT SERVICE ROCESS BY THE	9. E	FURTHER DAMAGE. 9. EMERGENCY SPILLWAY / FOREBAY PROTECTION - AFTER EVERY HIGH-WATER EVENT INSPECT THE INTEGRITY OF THE LINED SPILLWAY AND THE ADJACENT EARTHEN BANKS. IMMEDIATELY MAKE ALL							
DEVELOPMENT		NEEDED REPAIRS TO PREVI RE-ESTABLISH ANY LOOSE			DIDS IN THE RIP RAP LINED A	PRONS.			
ION HAS BEGUN. IRING CONSTRUCTION PPEARS AFTER	E	BEEN ESTABLISHED INSPEC	T THE SWALES P	ERIODICALLY AND AFTE	NFALL EVENT. AFTER GRAS	ł			
ED FOR DEMOLITION	GREATER) RAINFALL EVENT AND REPAIR IMMEDIATELY. INSPECT THE CHANNEL OUTLET AND ALL ROAD CROSSINGS FOR BANK STABILITY AND EVIDENCE OF PIPING OR SCOUR HOLES. REMOVE ALL SIGNIFICANT SEDIMENT ACCUMULATIONS TO MAINTAIN THE DESIGNED CARRYING CAPACITY. KEEP THE								
SHALL INCLUDE REMOVAL									
AND UNDERGROUND R UTILITIES THROUGH		PERMANENT SEE		TIME OF	FERTILIZER				
OVERHEAD LINES AND			LBS/ ACRE	SEEDING	LIMESTONE				
AND SIDEWALKS TO BE		BERMUDA, HULLED BERMUDA, UNHULLED	10-20 35	MARCH - AUGUST SEPT FEB.	BY SOIL TEST				
, STATE AND FEDERAL		CENTIPEDE	10	MARCH - AUGUST	(NO HIGH PH)				
		TALL FESCUE (COASTAL CULTIVAR RECOMMENDED)	50	MARCH - AUGUST	300 LB/AC 10-20-20 OR BY SOIL TEST				
AVAILABLE RECORDS, ONS.		SLOPES >= 2:1 CENTIPEDE SERICEA LESPEDEZA	5 20	JAN - DEC	BY SOIL TEST				
		TEMPORARY SEE	DING						
E TO BE THERMOPLASTIC		GRASS TYPE	LBS/ ACRE	TIME OF SEEDING	FERTILIZER LIMESTONE				
AREAS OPEN TO PUBLIC CES) STANDARDS.		RYE GRAIN	50	OCT APR.	400 LBS/AC. 10-20-20				
OF-WAY ARE TO BE		SWEET SUDAN	50	JUNE - AUGUST	400 LBS/AC. 10-20-20				
ARDS.		GRASS							

STRAW MULCH AS NEEDED

## CACCESSIBILITY NOTES

- 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 THEY ARE BIDDING FHE 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 ADDITIONA INFORMATION.
- ACCESSIBLE ROUTE NOTES:
- 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 RANSPORTATION 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.
- 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\*
- 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.
- 0. 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:

- 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.
- 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 NO 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.
- 0. 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.

NEW HANOVER COUNTY LAND QUALITY STABILIZATION TIME FRAME NOT DENUDED AREAS MUST BE STABILIZED WITH FIFTEEN (15) WORKING DAYS OF CEASE OF ANY PHASE OF ACTIVITY. ALL SLOPES MUST BE STABILIZED WITHIN TWENTY-ONE (21) CALENDAR DAYS OF CEASE OF ANY PHASE OF ACTIVITY. THIS INCLUDES SLOPES, SWALES, CHANNELS AND STOCKPILES.

NPDES WATER QUALITY STABILIZATION TIME FRAMES

STABILIZATION

NONE

NONE

7 DAYS

7 DAYS

7 DAYS

14 DAYS

TIMEERAME EXCEPTIONS

IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE

NOT STEEPER THAN 2.1. 14 DAYS ARE ALLOWED

14 DAYS NONE, EXCEPT FOR PERIMETERS AND HQW ZONES

7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH

\*IN THE EVENT THAT THE GOVERNING AGENCIES TIMEFRAME FOR STABILIZATION VARY,

CONTRACTOR SHALL MEET THE MORE STRINGENT REQUIREMENT.

SITE AREA DESCRIPTION

ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1

PERIMETER DIKES, SWALES, DITCHES AND SLOPES

HIGH QUALITY WATER (HQW) ZONES

SLOPES STEEPER THAN 3:1

SLOPES 3:1 OR FLATTER

GERMAN O JUNE - AUGUST | 400 LBS/AC. 10-20-20 50 BROWNTOP MILLET 4,000

NC ACCESSIBILITY NOTES CONTD. PARKING SPACE NOTES:

- 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.
- 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.
- 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-FIGHT (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:
- PASSENGER LOADING ZONES SHALL PROVIDE VEHICULAR PULL-UP SPACE NINETY-SIX (96) INCHES WIDE MINIMUM AND TWENTY (20) FEET LONG MINIMUM.
- 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
- 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
- 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.
- 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 STORM SEWER 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.
- BEDDING FOR ALL STORM SEWER PIPE SHALL BE AS SPECIFIED ON THE 2. DRAWINGS.
- 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.
- ROOF DRAIN NOTE:
- PROPOSED BUILDING SHALL DIVERT ROOF DRAINAGE TO STORMWATER COLLECTION SYSTEM.

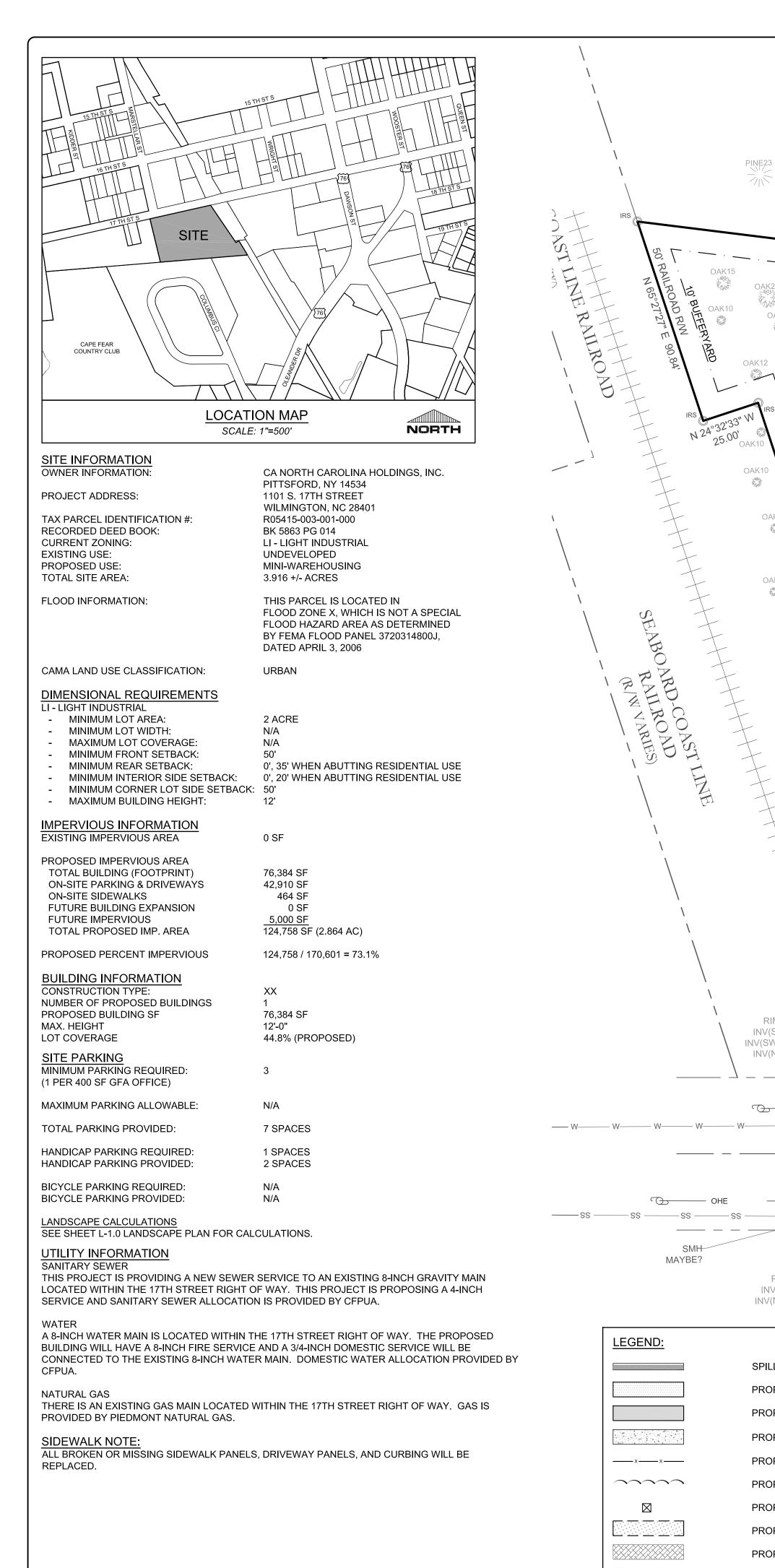
#### EXISTING UTILITY NOTES:

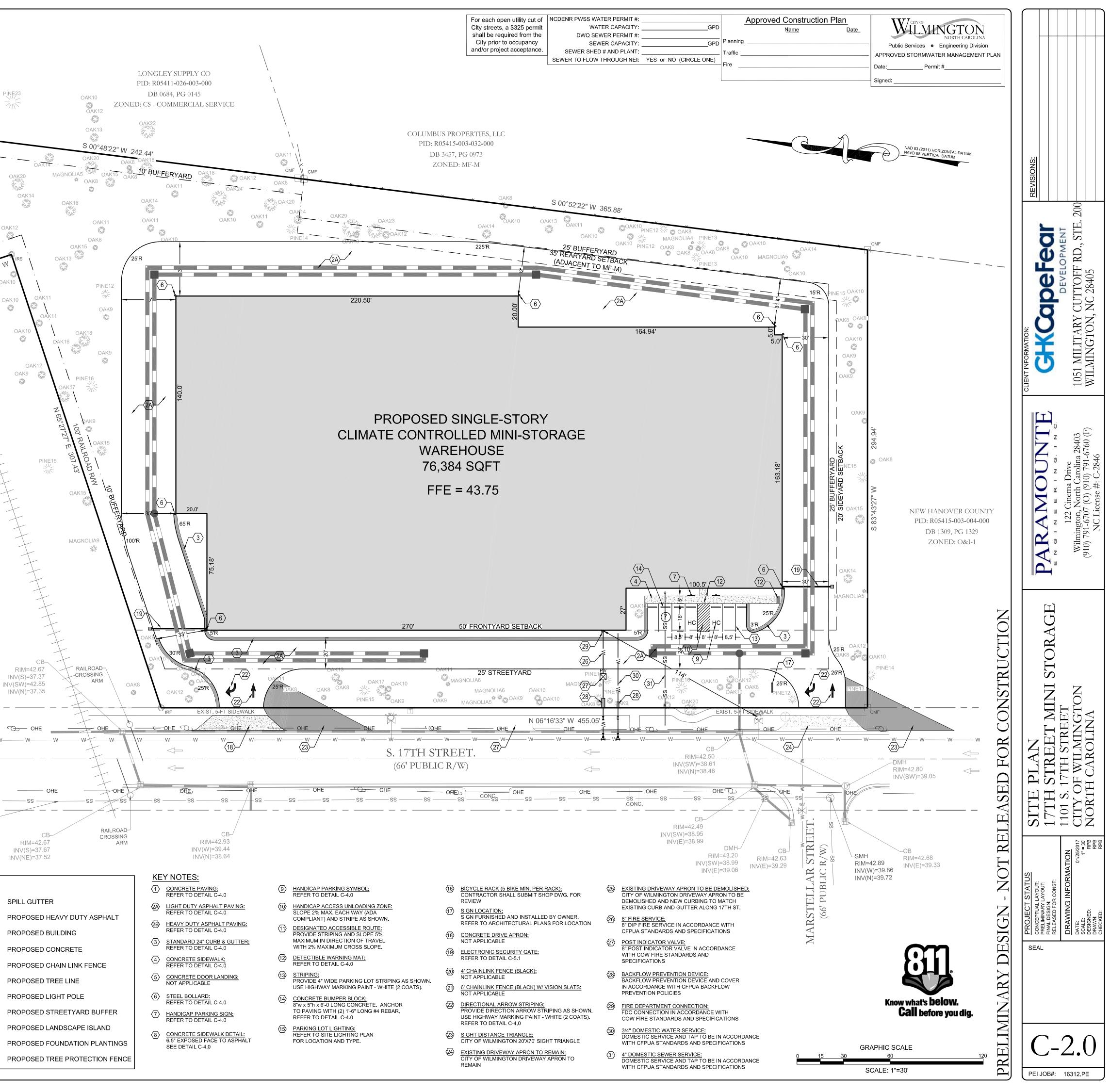
- IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO VERIFY THE ACTUAL LOCATION AND AVAILABILITY OF ALL EXISTING AND PROPOSED UTILITIES IN THE FIELD PRIOR TO GROUND BREAKING.
- EXISTING UTILITIES AND STRUCTURES SHOWN, BOTH UNDERGROUND AND 2. ABOVE GROUND, ARE BASED ON A FIELD SURVEY AND THE BEST AVAILABLE 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.

#### WETLAND NOTES:

- THERE ARE NO WETLANDS FLAGGED AND SURVEYED ON THE PROPERTY.
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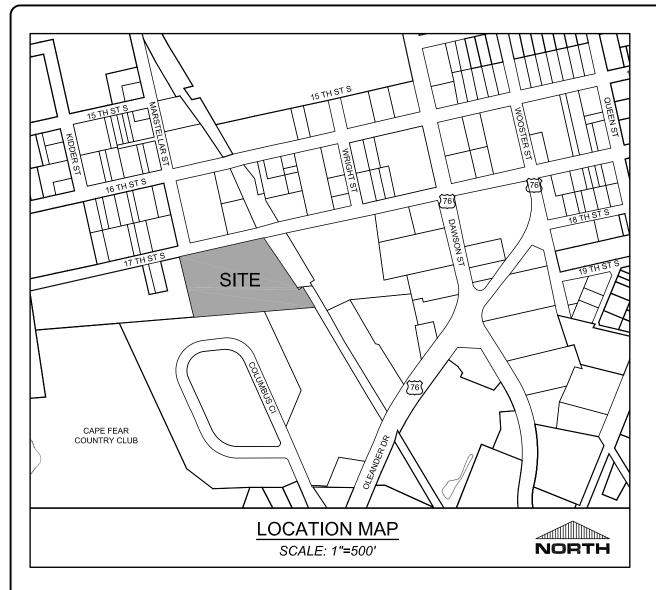
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#### SITE INFORMATION OWNER INFORMATION:

PROJECT ADDRESS: TAX PARCEL IDENTIFICATION #: R05415-003-001-000 RECORDED DEED BOOK: CURRENT ZONING: EXISTING USE: PROPOSED USE:

CA NORTH CAROLINA HOLDINGS, INC. PITTSFORD, NY 14534 1101 S. 17TH STREET WILMINGTON, NC 28401 BK 5863 PG 014 LI - LIGHT INDUSTRIAL UNDEVELOPED MINI-WAREHOUSING 3.916 +/- ACRES

FLOOD INFORMATION:

TOTAL SITE AREA:

THIS PARCEL IS LOCATED IN FLOOD ZONE X, WHICH IS NOT A SPECIAL FLOOD HAZARD AREA AS DETERMINED BY FEMA FLOOD PANEL 3720314800J, DATED APRIL 3, 2006

CAMA LAND USE CLASSIFICATION: URBAN

TREE MITIGATION NOTES:

1. EXISTING TREES TO REMAIN WILL COUNT TOWARD CREDIT AGAINST MITIGATION AS PER TABLE 1 'CREDIT FOR PRESERVED TREES' IN SECTION 18-448 OF THE CITY OF WILMINGTON LDC.

- 2. CREDIT CALCULATIONS ARE AS FOLLOWS: 331 CAL. INCHES OF PRESERVED TREES / 6 (AS PER TABLE 1) = 55 TREES FOR CREDIT
- 3. TREE PROTECTION FENCING WILL BE INSTALLED AS PER CITY OF WILMINGTON STANDARDS AND BE PRESENT BEFORE AND DURING CONSTRUCTION TO PREVENT EQUIPMENT AND PERSONNEL FROM DAMAGING PRESERVED TREES.

#### TREE REMOVAL NOTES:

PRIOR TO ANY CLEARING, GRADING, OR CONSTRUCTION ACTIVITY, TREE PROTECTION FENCING WILL BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES. NO CONSTRUCTION WORKERS, TOOLS, MATERIALS OR VEHICLES ARE PERMITTED WITHIN TREE PROTECTION FENCING.

2. ALL TREES TO BE REMOVED SHALL BE DUE TO ESSENTIAL SITE IMPROVEMENTS. MITIGATION FOR ANY TREE REMOVAL SHALL ONLY BE APPLICABLE TO SIGNIFICANT TREES REMOVED.

	rive Tree Remova Caliper Inches/ Tree	-	Tree Type	% Mitigation	Total Cal. Inche
Significant Tre			<u>, , , , , , , , , , , , , , , , , , , </u>	0	1
Category I Mitigati					
2	24	ОАК	ornamental flowering	100	48
1	28	OAK	ornamental flowering	100	28
1	31	OAK	hardwood	100	31
 Category II Mitigat		<b>.</b>			
2	8	MAGNOLIA	ornamental flowering	75	16
1	9	MAGNOLIA	ornamental flowering	75	9
Category III Mitigat	tion (50%)				
1	24	PINE	conifer	50	24
1	27	PINE	conifer	50	27
	•	Total Significant Tree	Caliper Inches to be Re	moved on Site	183
Regulated Tree	26	0	•		
Category   Mitigati					
36	8	ΟΑΚ	hardwood	100	288
<u>30</u>	9	OAK	hardwood	100	171
33	10	OAK	hardwood	100	330
15	10	OAK	hardwood	100	165
22	11	OAK	hardwood	100	264
21	13	OAK	hardwood	100	273
17	14	OAK	hardwood	100	238
14	15	OAK	hardwood	100	210
4	16	OAK	hardwood	100	64
4	17	OAK	hardwood	100	68
3	18	ОАК	hardwood	100	54
3	20	OAK	hardwood	100	60
Category II Mitigat					
1	4	MAGNOLIA	ornamental flowering	75	4
6	5	MAGNOLIA	ornamental flowering	75	30
1	6	MAGNOLIA	ornamental flowering	75	6
1	7	MAGNOLIA	ornamental flowering	75	7
Category III Mitigat	tion (50%)				
1	9	PINE	conifer	50	9
1	10	PINE	conifer	50	10
1	11	PINE	conifer	50	11
26	12	PINE	conifer	50	312
18	13	PINE	conifer	50	234
18	14	PINE	conifer	50	252
6	15	PINE	conifer	50	90
6	16	PINE	conifer	50	96
1	17	PINE	conifer	50	17
2	18	PINE	conifer	50	36
1	19	PINE	conifer	50	19
2	20	PINE	conifer	50	40
			e Caliper Inches to be Re		1
Total Significant Caliper Inches to be Removed on Site					183
		Tota	l Caliper Inches to be Re	moved on Site	3482

### LEGEND: $\sim\sim\sim\sim$ PROPOSED TREE LINE $\boxtimes$ PROPOSED LIGHT POLE \_o\_\_o\_\_o\_\_o\_\_\_ Х

PINE23

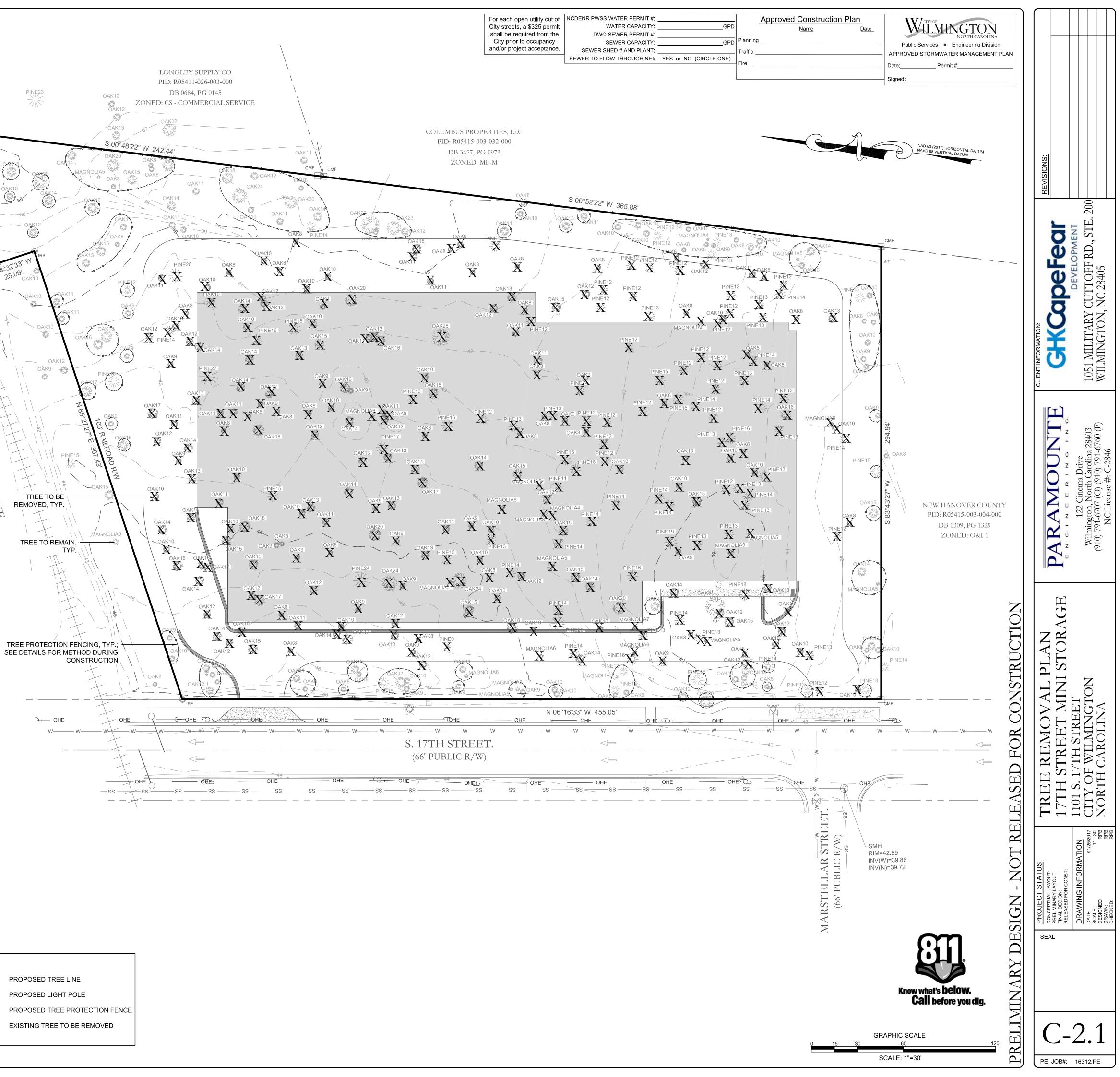
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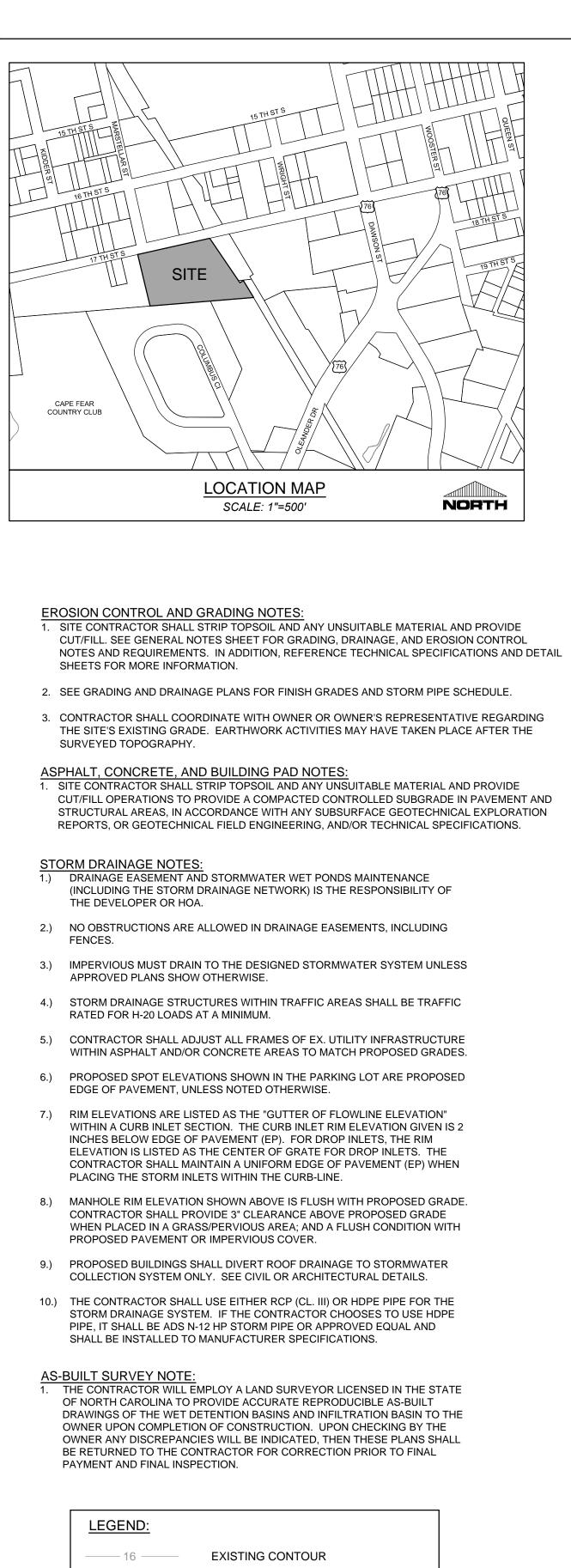
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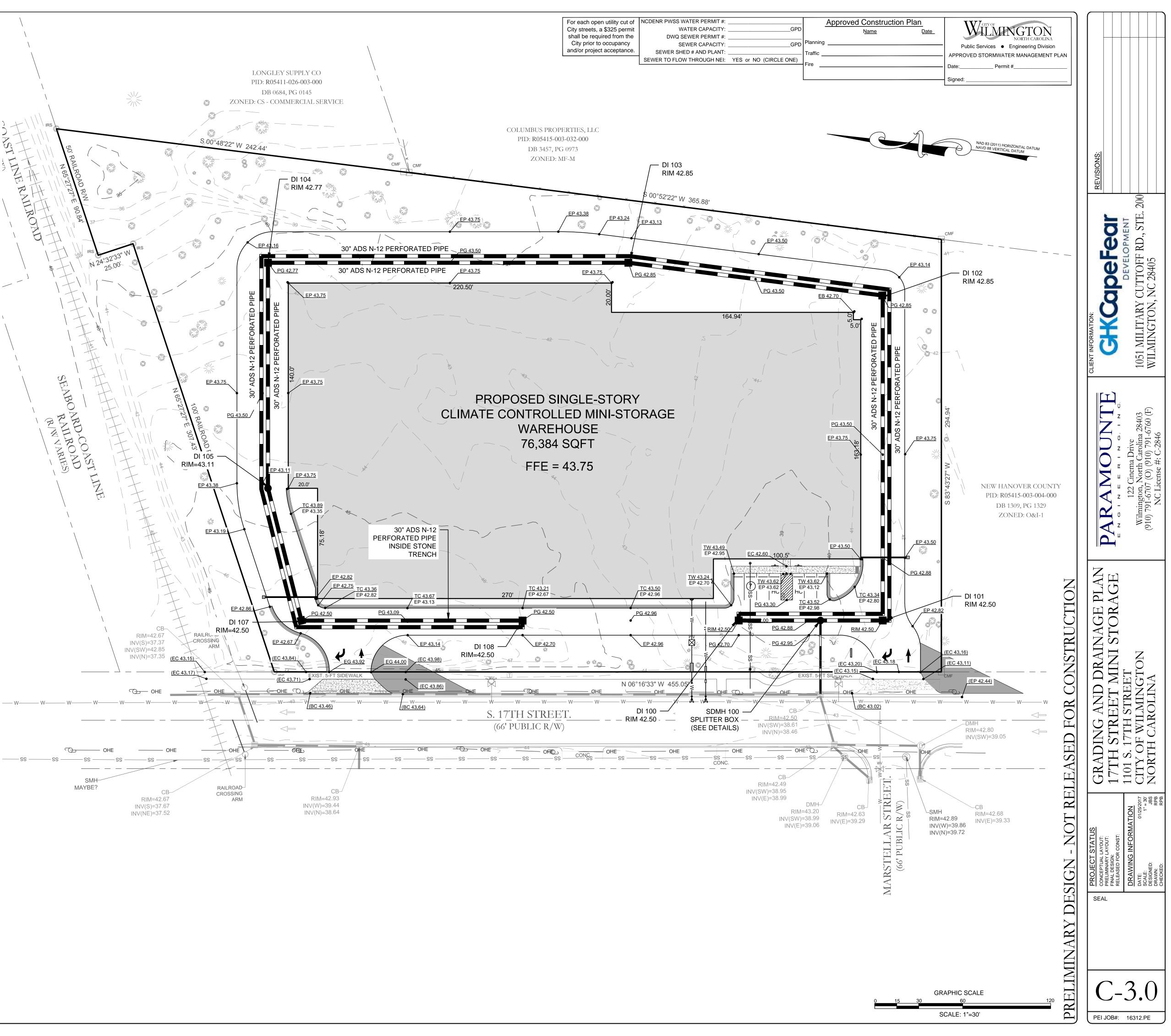
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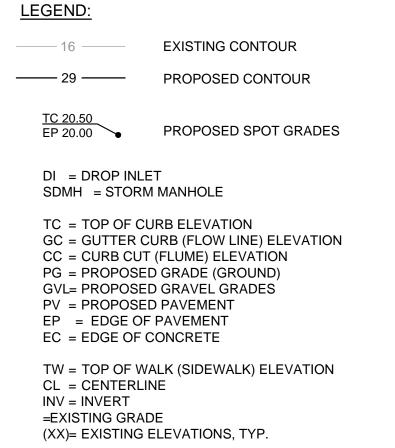
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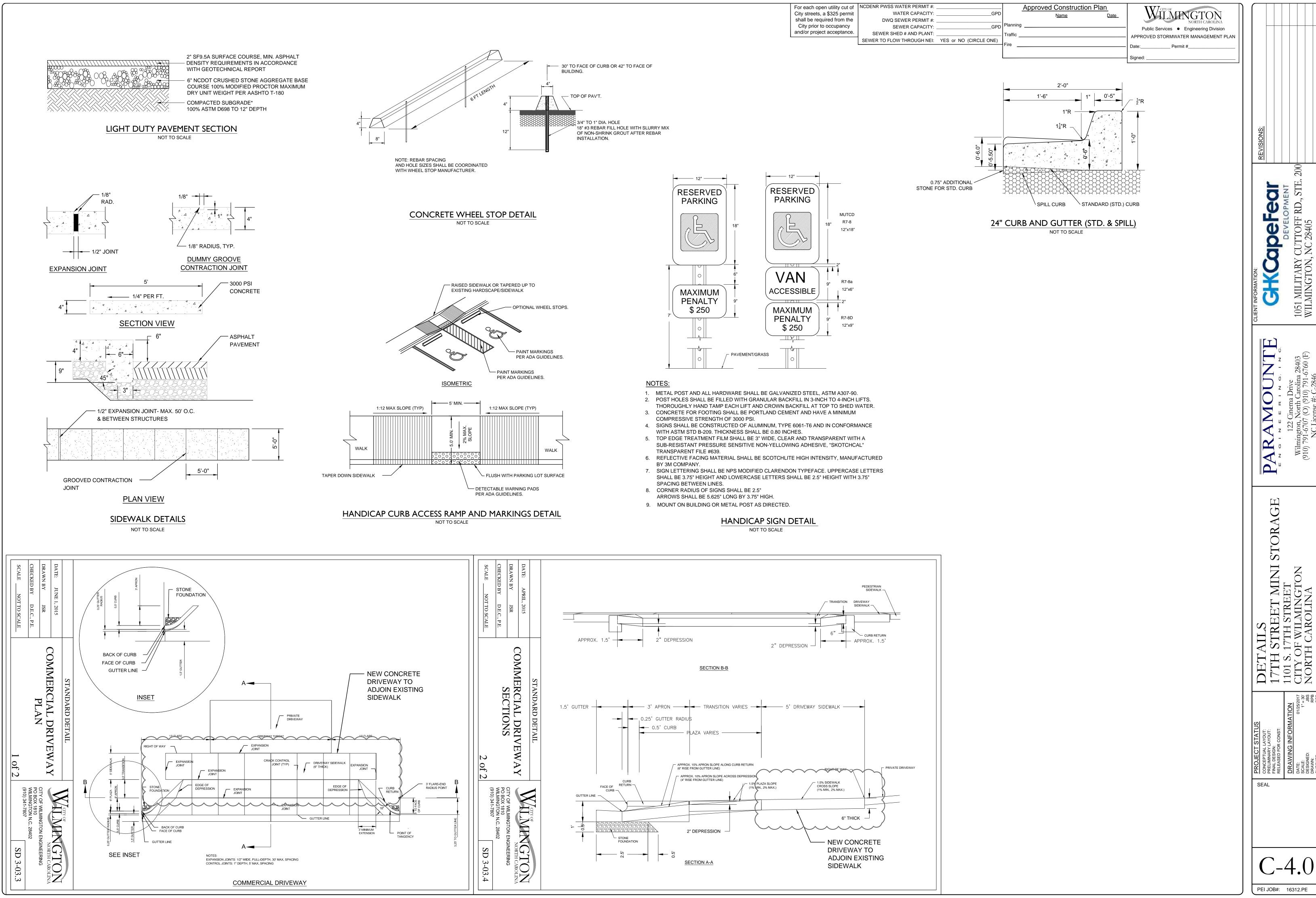
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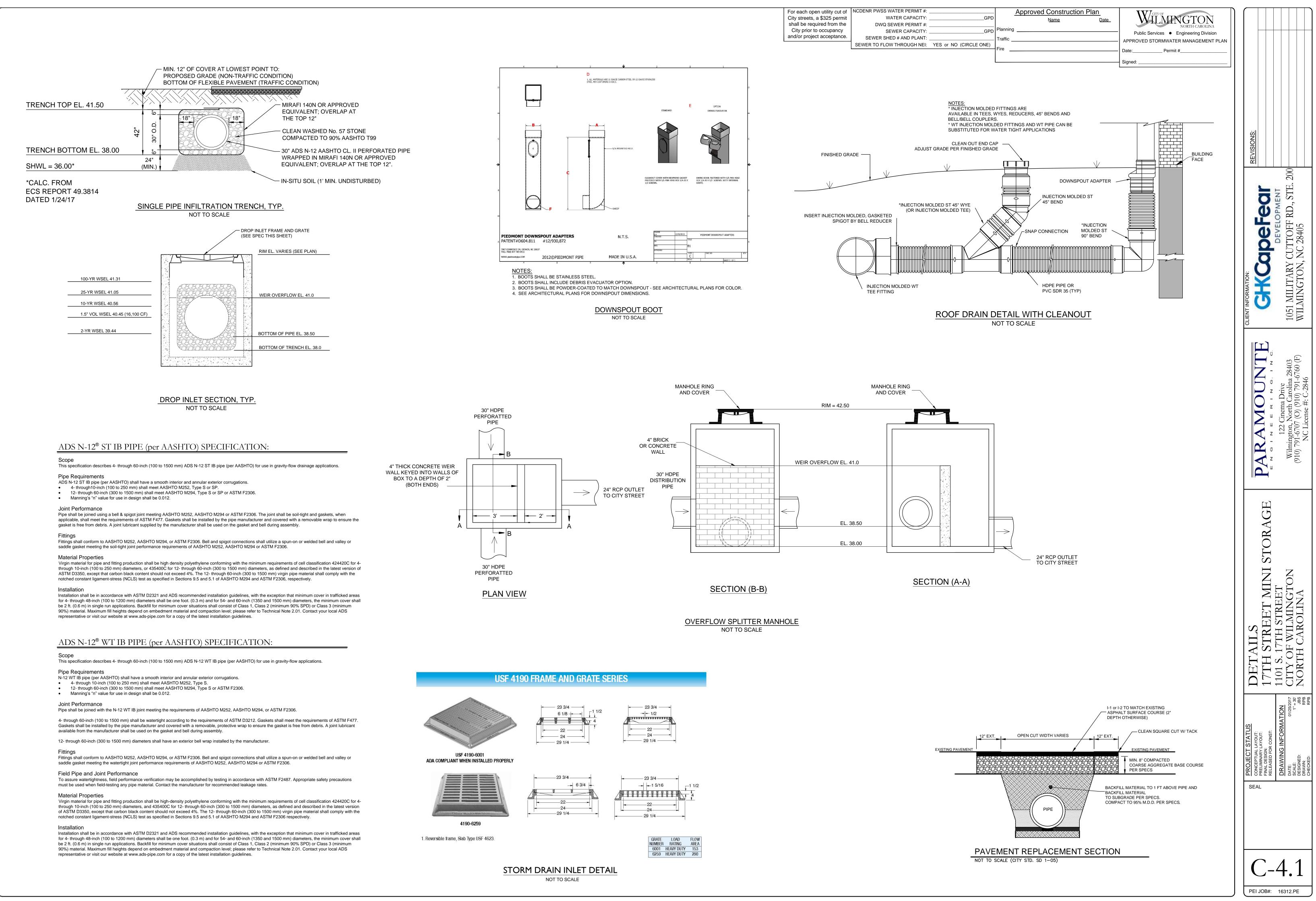
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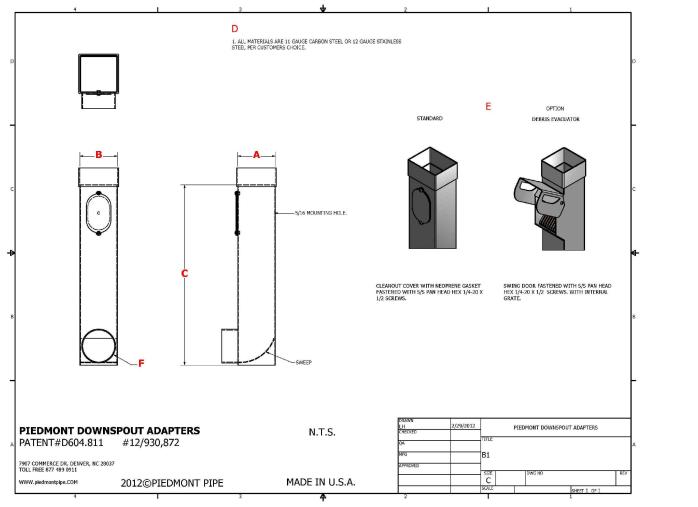
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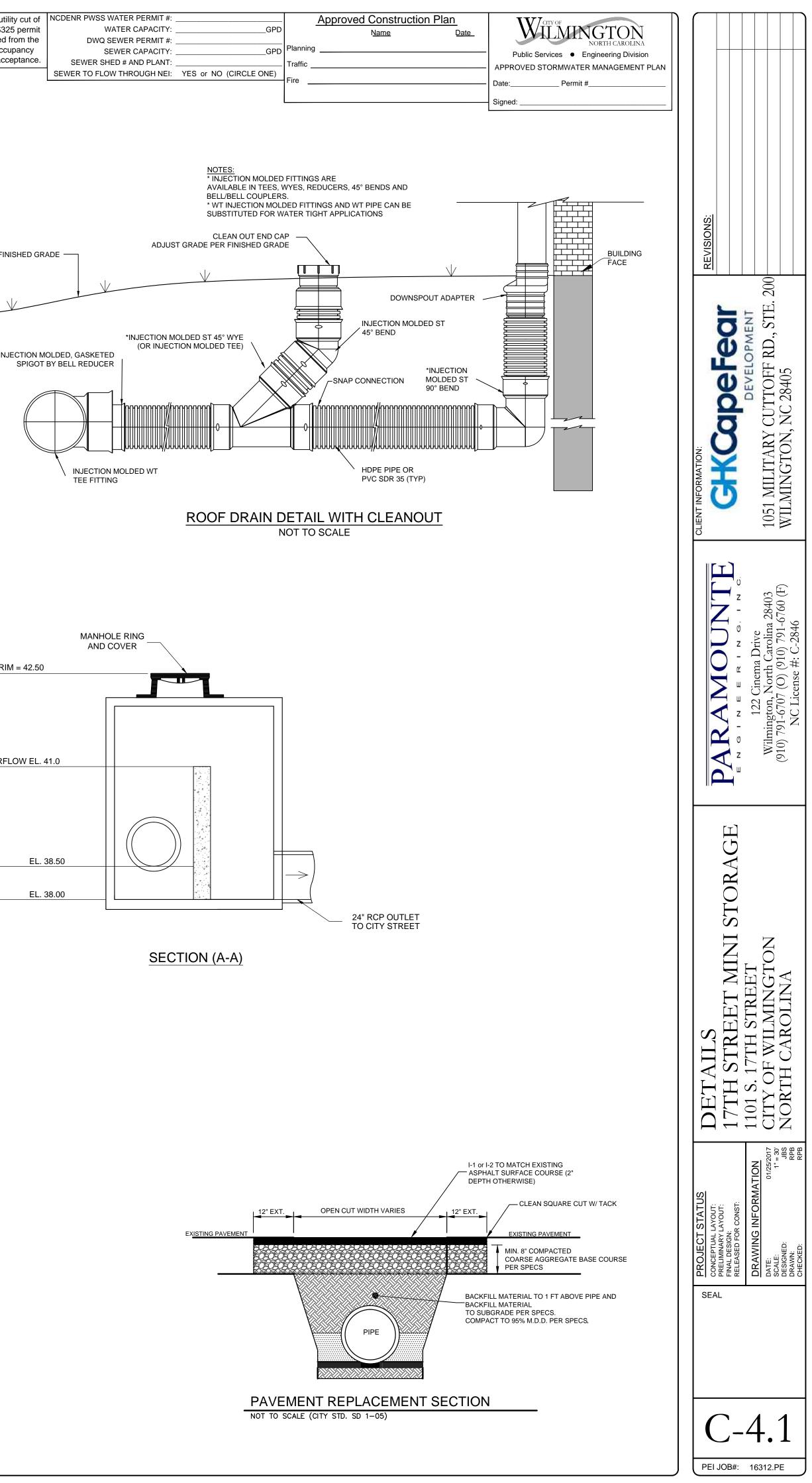
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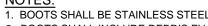
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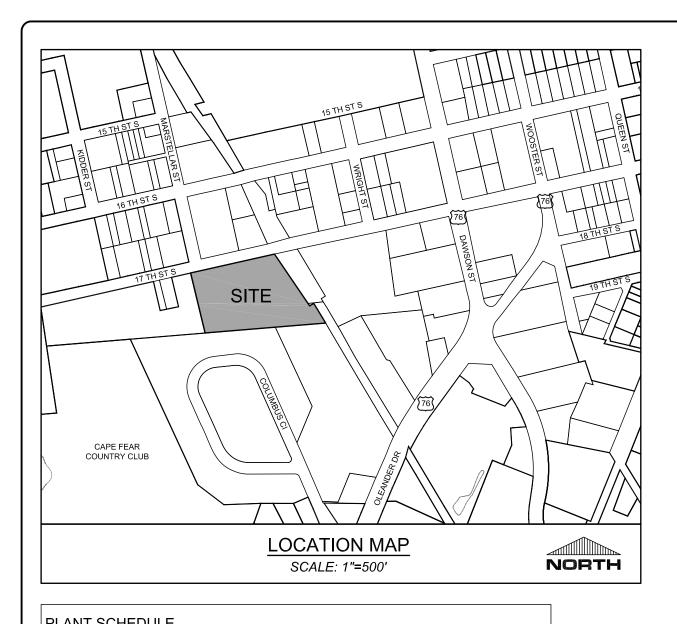
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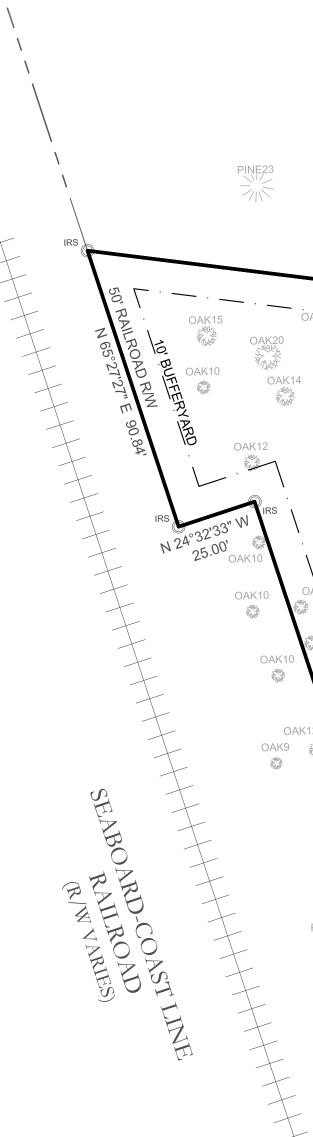








TREES	CODE	BOTANICAL NAME	SIZE	QTY
	LO	QUERCUS VIRGINIANA Southern Live Oak	2.5" CAL	3
ORNAMENTAL TREES	CODE	BOTANICAL NAME	SIZE	QTY
$\bigcirc$	JM	ACER PALMATUM `EMPEROR I` Emperor I Japanese Maple	2.5" CAL - 8` H	8
A A A A A A A A A A A A A A A A A A A	КС	PRUNUS SERRULATA `KWANZAN` Flowering Cherry	2.5" CAL - 8` H	5
SHRUBS	CODE	BOTANICAL NAME	CONT	QTY
$\langle \cdot \rangle$	FA	AZALEA I. 'FORMOSA' Formosa Azalea	3 GAL	74
E O	RRA	AZALEA `RED RUFFLES` Red Ruffles Azalea	3 GAL	27
(+) ,	DBH	ILEX CORNUTA 'BURFORDII NANA' Dwarf Burford Holly	3 GAL	21
(+)	вн	ILEX VOMITORIA `BORDEAUX` Bordeaux Holly	3 GAL	38
یں ۲۰۰۶ ۲۰۰۶	WM	MYRICA CERIFERA Wax Myrtle	7 GAL	36
$\otimes$	PV	PITTOSPORUM T. `VARIEGATA` Variegated Mock Orange	3 GAL	41



LANDSCAPE NOTES:

ALL PLANT BEDS SHALL RECEIVE PINE STRAW MULCH 3" DEPTH MIN. - 4" DEPTH MAX
 SEED ALL DISTURBED AREAS OUTSIDE OF MULCH AREAS WITH BERMUDA 'BLACKJACK'

#### SITE INFORMATION OWNER INFORMATION:

PROJECT ADDRESS: TAX PARCEL IDENTIFICATION #: RECORDED DEED BOOK: CURRENT ZONING: EXISTING USE:

PROPOSED USE: TOTAL SITE AREA:

FLOOD INFORMATION:

CAMA LAND USE CLASSIFICATION: BUILDING INFORMATION CONSTRUCTION TYPE: NUMBER OF PROPOSED BUILDINGS PROPOSED BUILDING SF MAX. HEIGHT LOT COVERAGE PITTSFORD, NY 14534 1101 S. 17TH STREET WILMINGTON, NC 28401 R05415-003-001-000 BK 5863 PG 014 LI - LIGHT INDUSTRIAL UNDEVELOPED MINI-WAREHOUSING 3.916 +/- ACRES THIS PARCEL IS LOCATED IN FLOOD ZONE X, WHICH IS NOT A SPECIAL FLOOD HAZARD AREA AS DETERMINED

BY FEMA FLOOD PANEL 3720314800J,

CA NORTH CAROLINA HOLDINGS, INC.

URBAN

XX 1 76,384 SF 12'-0" 44.8% (PROPOSED)

DATED APRIL 3, 2006

#### LANDSCAPE CALCULATIONS:

STREETYARDS 17TH STREET 393 LF * 25 = 9,825 SF 9,825 SF / 600 SF = 16.375	1 CANOPY / 600 SF 6 SHRUBS / 600 SF	<u>REQ'D</u> 9,825 SF 17 102	<u>PROV</u> 10,056 SF EXISTING 105
	7 SF EACH = 1,414 SF PPY SHADE = 1,790 SF	<u>REQ'D</u> 2,710 SF	<u>PROV</u> 3,204 SF
FOUNDATION PLANTINGS 397.5 LF * 12 FT HGT = 4,770 S	SF * 0.12	<u>REQ'D</u> 572 SF	PROV 764 SF
BUFFER PLANTINGS 365 LF OF BOUNDARY ADJAC	<u>REQ'D</u> 13 8' TREES	<u>PROV</u> 13 8' TREES	
OVERALL SITE TREE PLAN 3.916 AC * 15 TREES / AC	<u>REQ'D</u> 59	PROV	
PROTECTED MITIGATION TRI (183 CAL. INCHES / 2.5")	74		
	TOTAL TREES REQ.	133	
CREDITS	55		
2.5" CAL M	16		
TOTAL TREES PROVIDED			

CLIENT WILL PAY IN LIEU OF 62 TREE SHORTFALL

#### BUFFER LANDSCAPE CALCULATIONS: BUFFER REQUIREMENTS:

- LOCATED BETWEEN ANY RESIDENTIAL AND NON RESIDENTIAL USE
  100% OPAQUE WITHIN 3 YRS OF PLANTING
  EXISTING VEGETATION TO REMAIN UNDISTURBED WITHIN BUFFER AREAS. BUFFER AREAS TO BE AUGMENTED WHERE DEEMED UNSUITABLE BY CITY OF WILMINGTON 6
- PLANNING STAFF.
  BUFFERS TO BE AUGMENTED BY PLANTING AS FOLLOWS:
  1. SHADE TREES TO BE A MINIMUM OF 2.5" CAL., UNDERSTORY AND MULTI-STEM TREES TO BE A MINIMUM OF 8' - 10' HGT., AND SHRUBS TO BE A MINIMUM OF 12"
- HGT.
  PLANT TYPES ARE TO BE CONSISTENT WITH THOSE PROPOSED ON THIS PLAN OR AS EXISTING WITHIN THOSE BUFFER AREAS AS APPROPRIATE.
  BUFFER WIDTH = 50% OF BUILDING SETBACK, NOT LESS THAN 20'. LEFT (NORTH): N/A (ADJACENT TO RAILROAD) RIGHT (SOUTH): N/A (ADJACENT TO O&I PROPERTY) REAR (EAST): 25' WIDE (ADJACENT TO MF-M PROPERTY)

N/A (ADJACENT TO CS PROPERTY)

