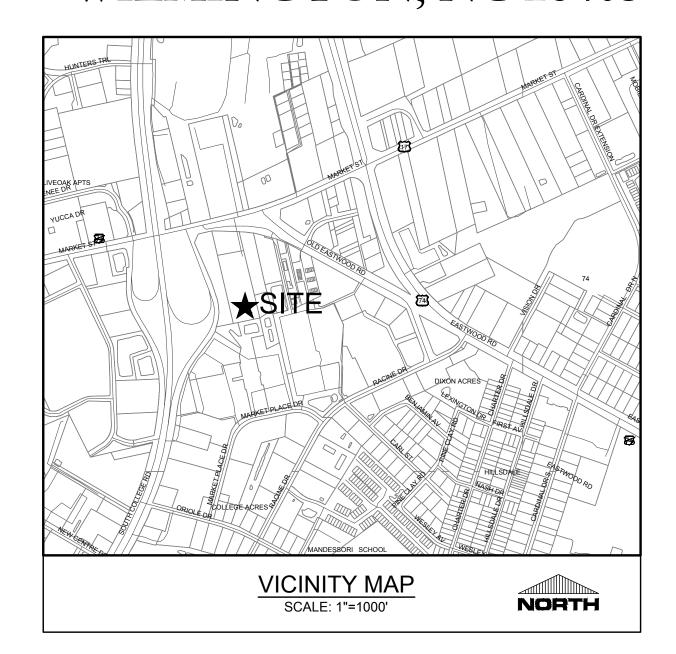
GARRIS ROAD LOT 3 STORAGE

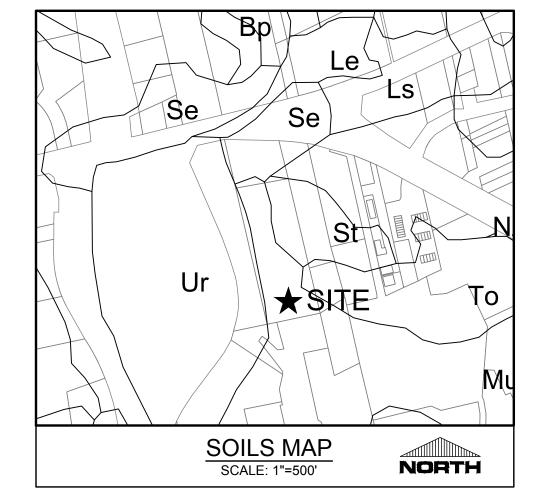
20 GARRIS ROAD WILMINGTON, NORTH CAROLINA 28403

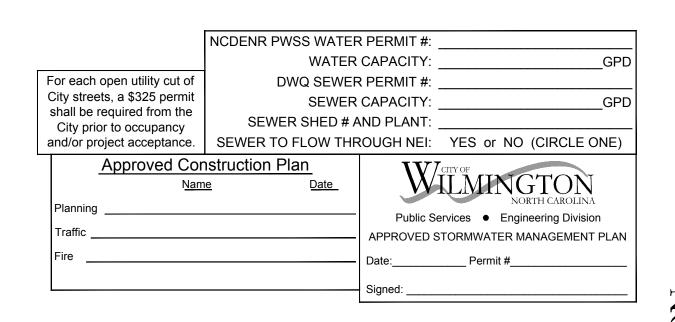
DESIGN DOCUMENTS

MAY 2018

PROJECT ADDRESS: 20 GARRIS ROAD WILMINGTON, NC 28403







OWNER / DEVELOPER: GARRIS ROAD STORAGE HOLDINGS II, LLC 11111 CARAMEL COMMONS BLVD., STE. 207 CHARLOTTE, NORTH CAROLINA 28226 ATTN: CHARLES BERRY (704) 496-9617

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

	SHEET INDEX
SHEET NUMBER	SHEET TITLE
C-0.0	COVER SHEET
C-1.0	GENERAL NOTES
C-2.0-C-2.1	SITE INVENTORY PLAN & SITE PLAN
C-2.2	TREE REMOVAL PLAN
FIG 1	AUTOTURN FIGURE
C-3.0 & C-3.1	GRADING-DRAINAGE-EC PLAN
C-3.2	INLET AREA MAP
C-4.0	UTILITY PLAN
C-5.0	DETAILS
L-1.0	LANDSCAPE PLAN

PREPARED BY:



122 Cinema Drive Wilmington, North Carolina 28403 (910) 791-6707 (O) (910) 791-6760 (F) NC License #: C-2846 **PROJECT # 17402.PE**

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

CONTACT THESE UTILITIES

CITY OF WILMINGTON PLANNING & **DEVELOPMENT**

ATTN: ERYN MOLLER, PLANNER PH: 910-341-4695 ATTN: ZONING INSPECTIONS

PIEDMONT NATURAL GAS ATTN: CATHY PLEASANT PH: 910-251-2827

PH: 910-254-0900

EMERGENCY DIAL 911 POLICE - FIRE - RESCUE ATTN: CITY OF WILMINGTON FIRE & LIFE SAFETY PH: 910-343-0696

CAPE FEAR PUBLIC UTILITY AUTHORITY (WATER & SEWER)

PH: 910-332-6560

ATTN: STEVE DAYVAULT (BUILDING ENGINEERING) PH: 910-341-0741

ATTN: JAMES BATSON, ENGINEERING PH: 910-341-1621

TIME WARNER CABLE

PH: 910-763-4638

NOTICE REQUIRED

OF EXCAVATION OR DEMOLITION.

CONTRACTORS SHALL CONTACT OVERHEAD ELECTRIC PROVIDER TO COMPLY WITH FEDERAL OSHA 1910.333 MINIMUM APPROACH DISTANCE TO ENERGIZED POWERLINES AND OSH 29 CFR 1926.1407-1411 MUST BE FOLLOWED.

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

ENGINEERING/INSPECTIONS

OPERATIONS/MAINTENANCE PH: 910-322-6550

DUKE ENERGY

DISTRIBUTION CONSTRUCTION SERVICE DEP CSC PH: 1-800-452-2777

TRANSMISSION AGENT BILL WILDER PH: 910-772-4903

AT&T/BELL SOUTH



IMPROVEMENT STAKEOUT(S).

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

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

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 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 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

ALL WORK BY THE CONTRACTOR SHALL BE WARRANTED BY THE CONTRACTOR FOR A PERIOD OF ONE YEAR AFTER THE OWNER ACCEPTS THE WORK.

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

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.

2. THE GENERAL CONTRACTOR SHALL REMOVE ALL DEBRIS FROM THE SITE UPON COMPLETION OF THE PROJECT AND AT LEAST ONCE A WEEK DURING CONSTRUCTION.

13. THE GENERAL CONTRACTOR SHALL KEEP THE AREA OUTSIDE THE "CONSTRUCTION LIMITS" BROOM CLEAN AT ALL TIMES

I. 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.

3. 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 CEPUA 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 CONTACTING ALL NONSUBSCRIBING UTILITIES.

. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL INSPECTIONS, CERTIFICATIONS, EQUIPMENT, ETC., THAT MAY BE REQUIRED.

). THE ENGINEER AND/OR OWNER DISCLAIM ANY ROLE IN THE CONSTRUCTION MEANS AND METHODS ASSOCIATED WITH THE PROJECT AS SET FORTH IN THESE PLANS.

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

1. 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.

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

GENERAL EROSION AND SEDIMENT CONTROL NOTES:

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 PROJECT IS DEVELOPED; WHETHER AS A WHOLE OR IN PHASES. ANY EROSION CONTROL ALL OTHER DISTURBED AREAS WITHIN 14 CALENDAR DAYS FROM THE LAST LAND DISTURBING ACTIVITY.

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)

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.

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

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

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).

CONTRACTOR SHALL PROVIDE THE OWNER AND THE ENGINEER A COPY OF THE AMENDED PERMIT

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

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.

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

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.

CONTRACTOR TO COORDINATE WITH THE OWNER TO PROPERLY MAINTAIN OR RELOCATE EXISTING SERVICE CONNECTIONS WHEN NECESSARY.

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.

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 GEOTECHNICAL ENGINEER FOR THE INSTALLATION OF THE NEW IMPROVEMENTS AND WITHIN THE LIMITS OF CLEARING AND GRADING AND AS SHOWN ON THESE PLANS

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

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

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.

EXISTING CURB AND GUTTER, LIGHTS, SIDEWALK, AND UTILITIES NOT INTENDED FOR DEMOLITION SHALL BE MAINTAINED, PROTECTED AND UNDISTURBED DURING DEMOLITION.

ALL EXISTING IMPROVEMENTS INDICATED OR REQUIRED TO BE DEMOLISHED SHALL INCLUDE REMOVAL FROM THE PROPERTY AND PROPER DISPOSAL. CONTRACTOR SHALL COORDINATE RELOCATION OF ALL EXISTING OVERHEAD AND UNDERGROUND

THE SITE WITH THE RESPECTIVE COMPANIES 10. CONTRACTOR SHALL MAINTAIN REQUIRED DISTANCES FROM HIGH VOLTAGE OVERHEAD LINES AND REMOVE TREES SO THEY DO NOT FALL TOWARDS OVERHEAD ELECTRICITY.

UTILITIES INCLUDING CABLE, GAS, TELEPHONE AND ELECTRIC AND ANY OTHER UTILITIES THROUGH

PROVIDE SMOOTH SAW CUT OF EXISTING PAVEMENTS, CURBS AND GUTTERS AND SIDEWALKS TO BE

DEMOLISHED. 12. ALL DEMOLITION WORK SHALL BE DONE IN STRICT ACCORDANCE WITH LOCAL, STATE AND FEDERAL

REGULATIONS AS WELL AS OSHA REGULATIONS.

13. EXISTING FIRE HYDRANTS ON OR NEAR THE SITE ARE TO REMAIN IN SERVICE.

14. INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS, BUT THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATIONS.

TRAFFIC NOTES.

ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY & FOR DRIVEWAY(S) ARE TO BE THERMOPLASTIC & MEET CITY OF WILMINGTON AND/OR NCDOT STANDARDS.

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

6. CONTACT TRAFFIC ENGINEERING, AT 341-7888 TO ENSURE THAT ALL TRAFFIC SIGNAL FACILITIES AND QUIPMENT 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

8. TACTILE WARNING MATS TO BE INSTALLED AT ALL WHEELCHAIR RAMPS.

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

INCLUDES SLOPES, SWALES, CHANNELS AND STOCKPILES.

EROSION CONTROL AND SEQUENCE OF CONSTRUCTION NOTES:

DISTURBANCE, TREE PROTECTION FENCING, AND TEMPORARY SILT FENCE.

IMPROVEMENTS WITHIN THE DISTURBANCE LIMITS ARE COMPLETE.

THE FAILURE OF THE EROSION CONTROL MEASURES.

ENGINEER OR EROSION CONTROL INSPECTOR.

AREAS UNTIL ALL CONSTRUCTION IS COMPLETE.

SEDIMENT, NO LONGER DRAINS AS DESIGNED OR IS DAMAGED.

EROSION CONTROL MAINTENANCE PLAN:

INFILTRATION TRENCH NOTES.

PERMANENT SEEDING

GRASS TYPE

BERMUDA, HULLED

BERMUDA, UNHULLED

CENTIPEDE

TALL FESCUE

(COASTAL CULTIVAR

RECOMMENDED)

SLOPES >= 2:1 CENTIPEDE SERICEA

LESPEDEZA

GRASS TYPE

RYE GRAIN

SWEET SUDAN

GRASS

GERMAN or

BROWNTOP MILLET

STRAW MUI CH

AS NEEDED

TEMPORARY SEEDING

LBS/ ACRE

10-20

35

50

LBS/ ACRE

4,000

WITHIN THE DESIGNATED CLEARING LIMITS.

NOTE: THESE EROSION CONTROL AND SEQUENCE OF CONSTRUCTION NOTES ARE INTENDED FOR EACH

DEVICES/MEASURES MUST REMAIN IN PLACE UNTIL THE ENTIRE DISTURBANCE IS STABILIZED AND ALL

2. CLEAR AND REMOVE FROM SITE TREES AS DESIGNATED, ROOTS, ROOT MAT, ETC. FROM THE AREA

3. INSTALL REMAINING EROSION CONTROL MEASURES AS SHOWN ON THE PLANS WITHIN THE AREA

DISTURBED. ALL EROSION CONTROL MEASURES MUST BE INSTALLED BEFORE COMMENCING

4. PLANT GRASS OVER ALL GRADED AREAS WITHIN 14 WORKING DAYS OF CEASE OF ANY GRADING

CONTRACTOR SHALL INSTALL INLET PROTECTION TO PREVENT SEDIMENT FROM ENTERING THE

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING AND RESTORING TO PRE-CONSTRUCTION

7. DURING GRADING AND AFTER GRADING HAS BEEN COMPLETE, THE CONTRACTOR SHALL CONTINUE TO

MAINTAIN PERMANENT AND TEMPORARY EROSION CONTROL MEASURES UNTIL FINAL APPROVAL BY

8. UPON RECEIVING FINAL APPROVAL, THE CONTRACTOR CAN REMOVE TEMPORARY EROSION CONTROL

9. THE CONTRACTOR SHALL CONTINUE TO WATER, FERTILIZE, MOW AND MAINTAIN GRASS & PLANTED

1. ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CHECKED FOR STABILITY AND OPERATION

ANY NEEDED REPAIRS WILL BE MADE IMMEDIATELY TO MAINTAIN ALL PRACTICES AS DESIGNED.

FOLLOWING EVERY RUNOFF- PRODUCING RAINFALL BUT IN NO CASE LESS THAN ONCE EVERY WEEK.

ALL CONSTRUCTION ENTRANCES WILL BE PERIODICALLY TOP DRESSED WITH AN ADDITIONAL 2 INCHES

SEDIMENT WILL BE REMOVED BEHIND THE SEDIMENT FENCE WHEN IT BECOMES HALF-FILLED AT THE

FENCE. THE SEDIMENT FENCE WILL BE BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER. SILT

BACKING. STAKE SPACING WILL BE 8 FEET MAX. WHEN STANDARD STRENGTH FABRIC AND WIRE

ALL SEEDED AREAS WILL BE FERTILIZED, RESEEDED AS NECESSARY, AND MULCHED ACCORDING TO

5. INLET PROTECTION - INSPECT INLETS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (\$\frac{1}{2}\$ INCH OR

NEEDED. USE DANDY SACKS ON INLETS AND REPLACE IF BROKEN OR NOT FUNCTIONING. SEE

OF #4 STONE TO MAINTAIN PROPER DEPTH. ANY SEDIMENT THAT IS TRACKED INTO THE STREET WILL BE

FENCE STAKES MUST BE STEEL AND SPACED 6 FEET MAX WITH EXTRA STRENGTH FABRIC AND NO WIRE

BACKING ARE USED. IF ROCK FILTERS (OR EXCELSIOR WATTLES) ARE DESIGNED AT LOW POINTS IN THE

SEDIMENT FENCE THE ROCK OR WATTLE WILL BE REPAIRED OR REPLACED IF IT BECOMES HALF FULL OF

SPECIFICATIONS ON THESE PLANS AND CONTRACT SPECIFICATIONS TO MAINTAIN A VIGOROUS, DENSE

GREATER) RAINFALL EVENT. CLEAR THE MESH WIRE OF ANY SEDIMENT AND DEBRIS WHEN IT REACHES

HALF OF THE DEPTH OF THE ROCK TO PROVIDE ADEQUATE FLOW FOR SUBSEQUENT RAINS. TAKE CARE

SEEDING

MARCH - AUGUST

SEPT. - FEB.

MARCH - AUGUST

MARCH - AUGUST

JAN - DEC

TIME OF

SEEDING

OCT. - APR.

JUNE - AUGUST

JUNE - AUGUST

FERTILIZER

LIMESTONE

BY SOIL TEST

BY SOIL TEST

(NO HIGH PH)

300 LB/AC 10-20-20

OR BY SOIL TEST

BY SOIL TEST

FERTILIZER

LIMESTONE

400 LBS/AC. 10-20-20

400 LBS/AC. 10-20-20

400 LBS/AC. 10-20-20

NOT TO DAMAGE OR UNDERCUT THE WIRE MESH DURING SEDIMENT REMOVAL. REPLACE STONE AS

5. IMMEDIATELY UPON THE INSTALLATION OF ANY STORM DRAINAGE CATCH BASIN, DROP INLET, ETC., THE

CONDITIONS ANY AREAS OUTSIDE THE PROJECT LIMITS THAT MAY INADVERTENTLY BE DAMAGED DUE TO

1. CONSTRUCT TEMPORARY GRAVEL CONSTRUCTION ENTRANCE(S), ESTABLISH THE LIMITS OF

NPDES WATER QUA	ALITY STABILIZA	TION 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

NEW HANOVER COUNTY LAND QUALITY STABILIZATION TIME FRAME NOTE

DENUDED AREAS MUST BE STABILIZED WITH FIFTEEN (15) WORKING DAYS OF

CEASE OF ANY PHASE OF ACTIVITY. ALL SLOPES MUST BE STABILIZED WITHIN

TWENTY-ONE (21) CALENDAR DAYS OF CEASE OF ANY PHASE OF ACTIVITY. THIS

NC ACCESSIBILITY NOTES:

"PHASE" OF CONSTRUCTION. THE ORDER AND STEPS TAKEN MUST BE IMPLEMENTED AS EACH PART OF THE 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 &

> 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 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).

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).

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

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

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

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:

VEHICLES.

1. THE MAXIMUM RUNNING SLOPE OF A CURB RAMP SHALL BE 8.33% AND THE MAXIMUM CROSS SLOPE

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

8. CURB RAMPS SHALL BE LOCATED OR PROTECTED TO PREVENT THEIR OBSTRUCTION BY PARKED

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, $\frac{1}{2}$ INCH WIDE BY $\frac{1}{4}$ 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.

NC ACCESSIBILITY NOTES CONTD.

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 ROLLTES. 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

10. PARKED VEHICLE OVERHANGS SHALL NOT REDUCE THE REQUIRED CLEAR WIDTH OF AN ACCESSIBLE

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

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

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,

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 8 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

GENERAL STORM SEWER NOTES:

ALL STORM SEWERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF WILMINGTON REQUIREMENTS AS SPECIFIED ON THE DRAWINGS AND IN THE PROJECT

BEDDING FOR ALL STORM SEWER PIPE SHALL BE AS SPECIFIED ON THE 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:

SYSTEM

PROPOSED BUILDING SHALL DIVERT ROOF DRAINAGE TO STORMWATER COLLECTION

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 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

1) THERE ARE NO WETLANDS FLAGGED AND SURVEYED ON THE PROPERTY.



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

Approved Construction Plan Public Services • Engineering Division PPROVED STORMWATER MANAGEMENT PLAN

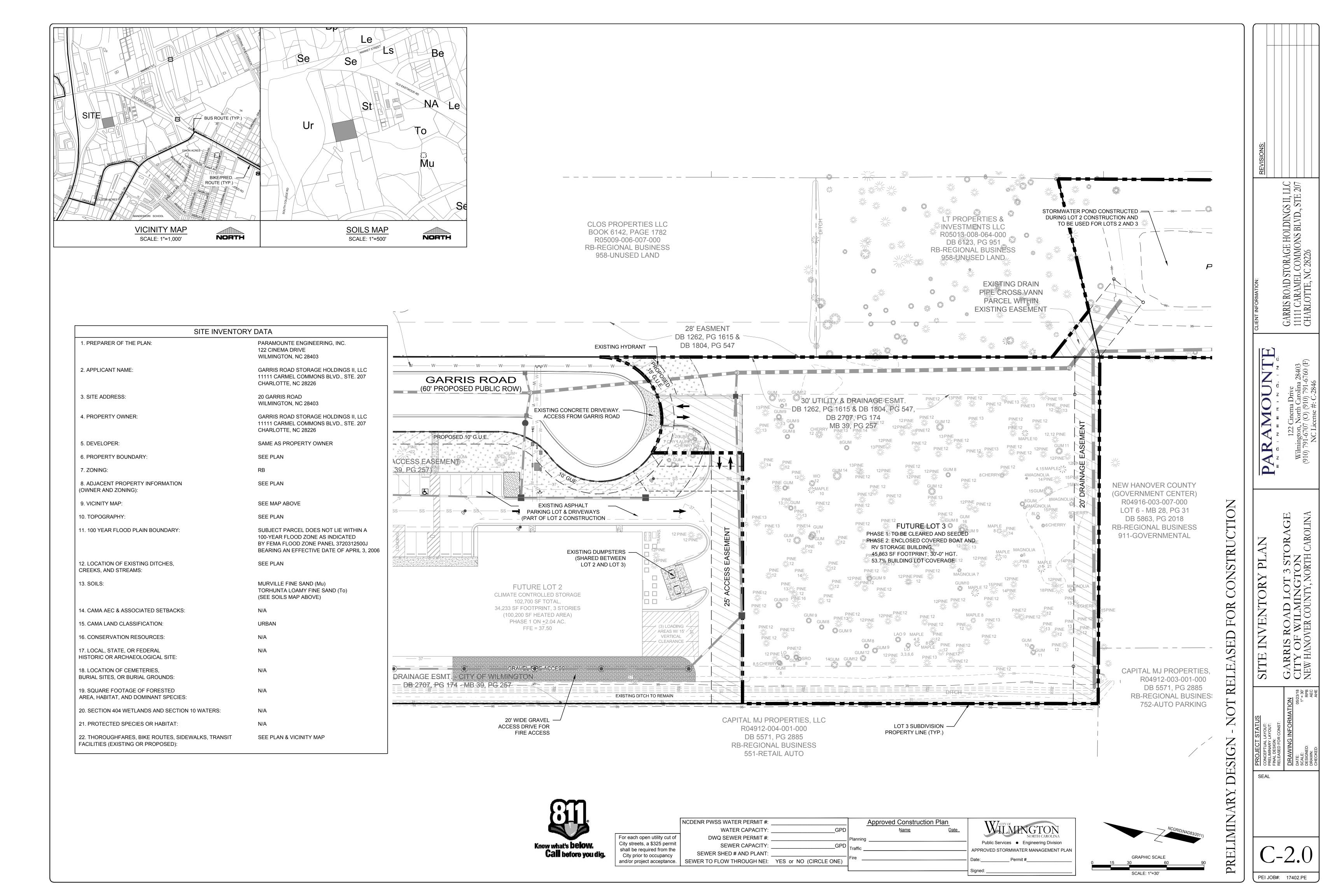
D STORAGE HOLDINGS II, L. IEL COMMONS BLVD., STE 2 NC 28226

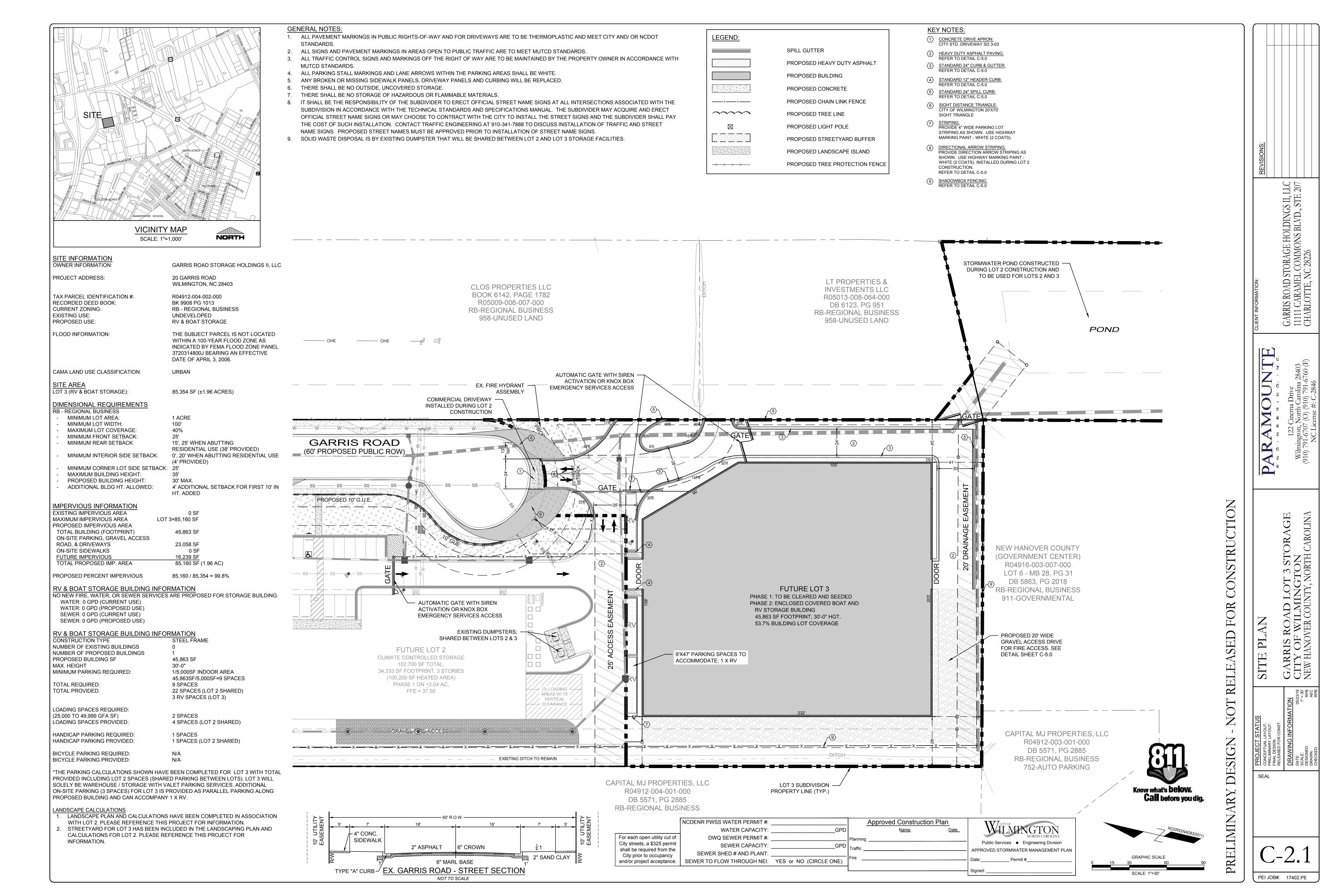
GARRIS

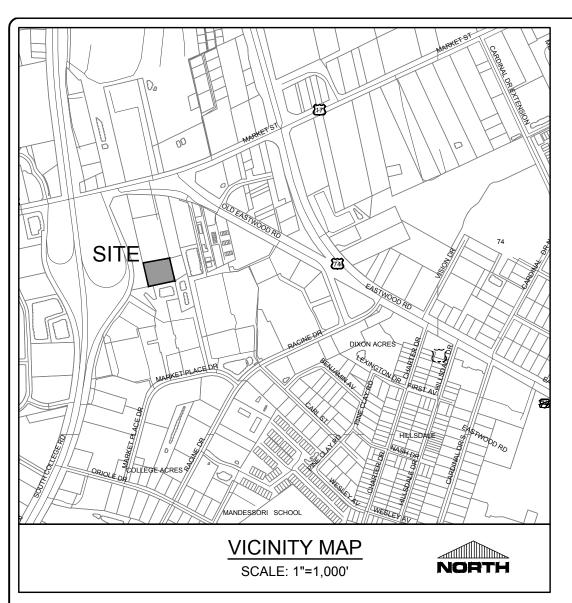
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PEI JOB#: 17402.PE

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SITE INFORMATION **OWNER INFORMATION:** PROJECT ADDRESS:

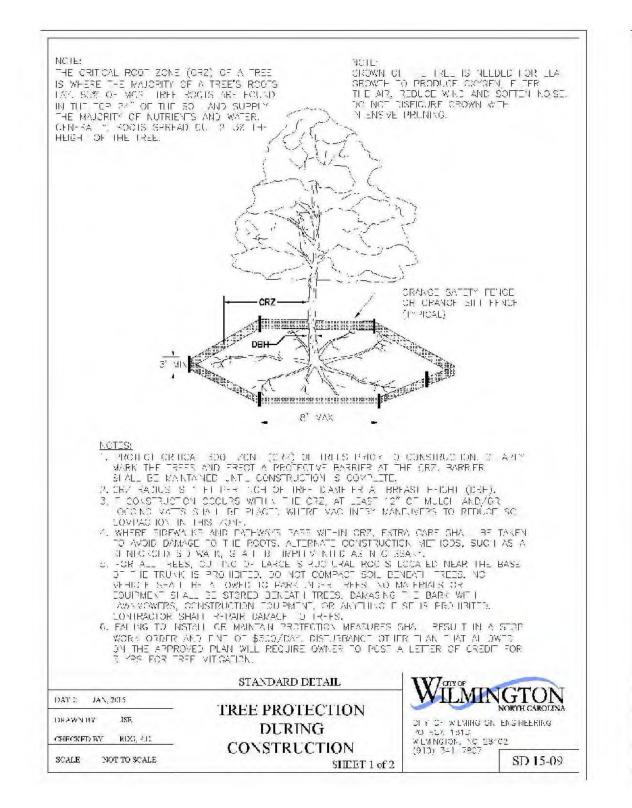
TAX PARCEL IDENTIFICATION #: RECORDED DEED BOOK: **CURRENT ZONING: EXISTING USE:** PROPOSED USE:

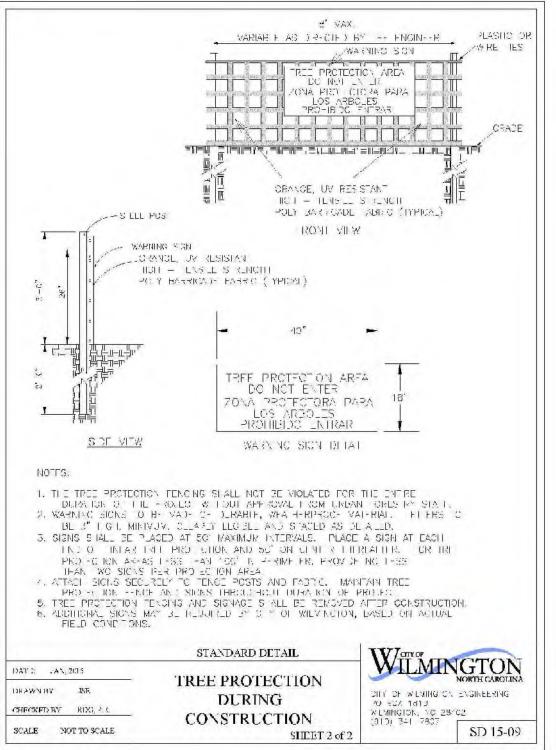
GARRIS ROAD STORAGE HOLDINGS II, LLC 20 GARRIS ROAD WILMINGTON, NC 28403 R04912-004-002-000 BK 9908 PG 1013 RB - REGIONAL BUSINESS UNDEVELOPED **RV STORAGE**

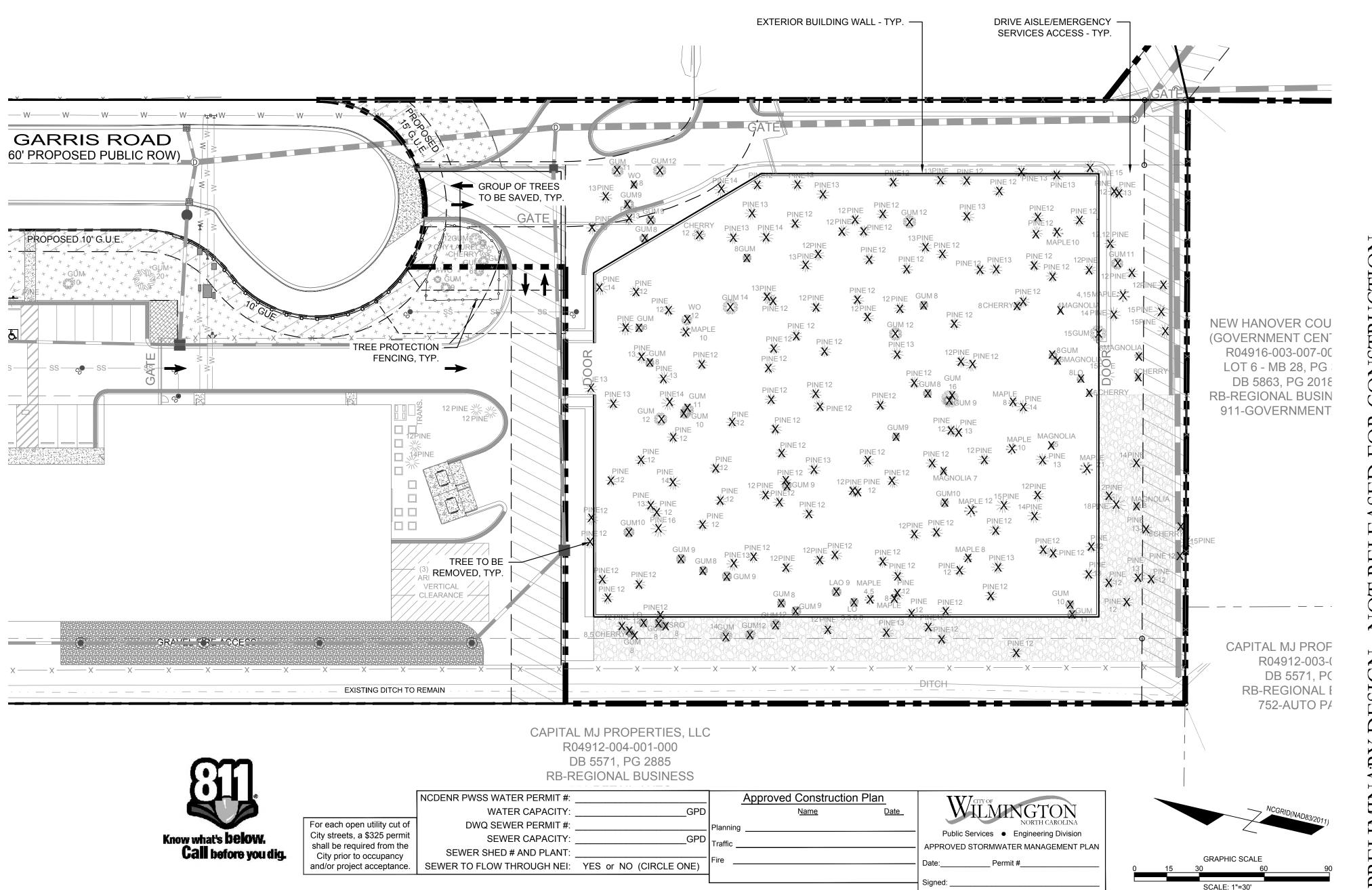
TREE REMOVAL NOTES

- 1. 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. CONTRACTOR SHALL CONTACT THE CITY OF WILMINGTON FOR TREE PROTECTION FENCING REVIEW AND APPROVAL PRIOR TO BEGINNING CONSTRUCTION.

Qty of Trees	Caliper Inches*	Calipe	ers Al		unk dividual nks	Tree Common Name	City Tree Type Classification	Total Cal. Inches to be Removed	% Mitigation	Significant	Total Qty. of Mitigation Tree Required
ote: * All listed	d as total calip	er inc	hes f	oren	tire tree	cluster or single tree trunk cal	iper in compliance with City	of Wilmington Land Devel	opment Code de	efinition for " o	liameter at
reast height"						artigo	W W. esk	1 3 32			
ssential Site Im	nprovements	: It is	antici	pated	that al	I trees will be removed for esse		only significant trees requ	ire mitigation		
						REGULA	TED & SIGNIFICANT TREES				
ategory 1 (1009	% Mitigation)							-			
1	4	4				MAG	ornamental flowering	4	100%	no	1
1	5	5				MAG MAG	ornamental flowering	5 6	100%	no	2
1	6 7	7				MAG	ornamental flowering ornamental flowering	7	100% 100%	no	2
2	8	0				MAG	ornamental flowering	16	100%	no	11
1	19	Δ	15			MAP (RED MAPLE)	hardwood	19	100%	yes no	6
1	9		5			MAP (RED MAPLE)	hardwood	9	100%	no	3
3	8				Thomas (MAP (RED MAPLE)	hardwood	24	100%	no	8
3	10					MAP (RED MAPLE)	hardwood	30	100%	no	10
1	12	12				MAP (RED MAPLE)	hardwood	12	100%	no	4
1	21	21				MAP (RED MAPLE)	hardwood	21	100%	no	7
1	18	3	3	6 6		OAK (LIVE OAK)	hardwood	18	100%	no	6
1	8	8	1			OAK (LIVE OAK)	hardwood	8	100%	no	3
1	12	12				OAK (LIVE OAK)	hardwood	12	100%	no	4
1	9	9				OAK (LAUREL OAK)	hardwood	9	100%	no	3
1	8	8				OAK (SOUTHERN RED OAK)	hardwood	8	100%	no	3
1	8	8				WATER OAK	hardwood	8	100%	no	3
1	12	12				WATER OAK	hardwood	12	100%	no	4
ententalisti eterejalist sinalisti piatetetetetetetetetetetetetetetetetetete								Total Category 1 Signific	ant Trees Mitiga	tion Required	: 11
							Total Category 1 Regulated				
					4.41		Total Category 1 Regulated				
ategory 2 (75%	6 Mitigation)						Total Category 1 Regulated				
ategory 2 (75% 11	8					GUM (SWEETGUM)	Total Category 1 Regulated	Trees To Be Removed with	h Essential Site II		
	8 9	9				GUM (SWEETGUM)		Trees To Be Removed with 88 72	75%	mprovements:	22 18
11 8 4	8 9 10	9				GUM (SWEETGUM) GUM (SWEETGUM)	hardwood hardwood hardwood	Trees To Be Removed with 88 72 40	75% 75% 75%	mprovements: no	22 18 10
11 8 4 4	8 9 10 11	9				GUM (SWEETGUM) GUM (SWEETGUM) GUM (SWEETGUM)	hardwood hardwood hardwood hardwood	Trees To Be Removed with 88 72 40 44	75% 75% 75% 75% 75%	no no no no	22 18 10 11
11 8 4 4	8 9 10 11 12	9 10 11 12				GUM (SWEETGUM) GUM (SWEETGUM) GUM (SWEETGUM) GUM (SWEETGUM)	hardwood hardwood hardwood hardwood hardwood	88 72 40 44 72	75% 75% 75% 75% 75% 75% 75%	no no no no no	22 18 10 11 18
11 8 4 4	8 9 10 11 12 14	9 10 11 12 14				GUM (SWEETGUM) GUM (SWEETGUM) GUM (SWEETGUM) GUM (SWEETGUM) GUM (SWEETGUM)	hardwood hardwood hardwood hardwood hardwood	88 72 40 44 72 28	75% 75% 75% 75% 75% 75% 75% 75%	no no no no no no	22 18 10 11 18 7
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11 8 4 4	8 9 10 11 12 14	9 10 11 12 14 15				GUM (SWEETGUM) GUM (SWEETGUM) GUM (SWEETGUM) GUM (SWEETGUM) GUM (SWEETGUM)	hardwood hardwood hardwood hardwood hardwood	88 72 40 44 72 28 15	75% 75% 75% 75% 75% 75% 75% 75% 75%	no no no no no no no no	22 18 10 11 18 7 4
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11 8 4 4	8 9 10 11 12 14 15	9 10 11 12 14 15				GUM (SWEETGUM) GUM (SWEETGUM) GUM (SWEETGUM) GUM (SWEETGUM) GUM (SWEETGUM) GUM (SWEETGUM)	hardwood hardwood hardwood hardwood hardwood hardwood	88 72 40 44 72 28 15 16	75% 75% 75% 75% 75% 75% 75% 75% 75% 75%	no n	22 18 10 11 18 7 4 4 4
11 8 4 4 6 2 1	8 9 10 11 12 14 15 16	9 10 11 12 14 15				GUM (SWEETGUM) GUM (SWEETGUM) GUM (SWEETGUM) GUM (SWEETGUM) GUM (SWEETGUM) GUM (SWEETGUM)	hardwood hardwood hardwood hardwood hardwood hardwood hardwood hardwood	88 72 40 44 72 28 15 16	75% 75% 75% 75% 75% 75% 75% 75% 75% 75%	no n	22 18 10 11 18 7 4 4 4
11 8 4 4 6 2 1 1	8 9 10 11 12 14 15 16 Mitigation)	9 10 11 12 14 15				GUM (SWEETGUM)	hardwood hardwood hardwood hardwood hardwood hardwood hardwood hardwood Total Category 2 Regulated	88 72 40 44 72 28 15 16 Tota	75% 75% 75% 75% 75% 75% 75% 75% 75% 75%	no n	22 18 10 11 18 7 4 4 • 0 94
11 8 4 4 6 2 1 1 1 ategory 3 (50%	8 9 10 11 12 14 15 16 6 Mitigation)	9 10 11 12 14 15 16				GUM (SWEETGUM) PINE (LOBLOLLY)	hardwood hardwood hardwood hardwood hardwood hardwood hardwood hardwood Total Category 2 Regulated	88 72 40 44 72 28 15 16 Tota Trees To Be Removed with	75% 75% 75% 75% 75% 75% 75% 75% 75% 75%	no n	22 18 10 11 18 7 4 4 • 0 94
11 8 4 4 6 2 1 1 1 ategory 3 (50%	8 9 10 11 12 14 15 16 6 Mitigation) 12 13	9 10 11 12 14 15 16				GUM (SWEETGUM) PINE (LOBLOLLY)	hardwood hardwood hardwood hardwood hardwood hardwood hardwood hardwood Total Category 2 Regulated conifer conifer	88 72 40 44 72 28 15 16 Tota Trees To Be Removed with	75% 75% 75% 75% 75% 75% 75% 75% 75% 75%	no n	22 18 10 11 18 7 4 4 • • • • • 94
11 8 4 4 6 2 1 1 1	8 9 10 11 12 14 15 16 6 Mitigation) 12 13	9 10 11 12 14 15 16				GUM (SWEETGUM) PINE (LOBLOLLY) PINE (LOBLOLLY)	hardwood hardwood hardwood hardwood hardwood hardwood hardwood hardwood Total Category 2 Regulated conifer conifer conifer	88 72 40 44 72 28 15 16 Tota Trees To Be Removed with	75% 75% 75% 75% 75% 75% 75% 75% 75% 75%	no n	22 18 10 11 18 7 4 4 4 • • • • • 94
11 8 4 4 6 2 1 1 1 ategory 3 (50%	8 9 10 11 12 14 15 16 Mitigation) 12 13 14 15	9 10 11 12 14 15 16				GUM (SWEETGUM) PINE (LOBLOLLY) PINE (LOBLOLLY) PINE (LOBLOLLY)	hardwood hardwood hardwood hardwood hardwood hardwood hardwood hardwood Total Category 2 Regulated conifer conifer conifer conifer	88 72 40 44 72 28 15 16 Tota Trees To Be Removed with 1200 390 126 105	75% 75% 75% 75% 75% 75% 75% 75% 75% 75%	no n	22 18 10 11 18 7 4 4 4 • 0 94
11 8 4 4 6 2 1 1 1 ategory 3 (50%	8 9 10 11 12 14 15 16 Mitigation) 12 13 14 15 16	9 10 11 12 14 15 16				GUM (SWEETGUM) PINE (LOBLOLLY) PINE (LOBLOLLY) PINE (LOBLOLLY) PINE (LOBLOLLY) PINE (LOBLOLLY)	hardwood hardwood hardwood hardwood hardwood hardwood hardwood hardwood Total Category 2 Regulated conifer conifer conifer conifer conifer conifer	88 72 40 44 72 28 15 16 Tota Trees To Be Removed with 1200 390 126 105 16	75% 75% 75% 75% 75% 75% 75% 75% 75% 75%	no n	22 18 10 11 18 7 4 4 • 0 • 94 200 65 21 18 3
11 8 4 4 6 2 1 1 1 ategory 3 (50%	8 9 10 11 12 14 15 16 Mitigation) 12 13 14 15 16 18	9 10 11 12 14 15 16 12 13 14 15 16 18	12			GUM (SWEETGUM) PINE (LOBLOLLY) PINE (LOBLOLLY) PINE (LOBLOLLY) PINE (LOBLOLLY) PINE (LOBLOLLY) PINE (LOBLOLLY)	hardwood hardwood hardwood hardwood hardwood hardwood hardwood hardwood Total Category 2 Regulated conifer conifer conifer conifer conifer conifer conifer conifer	88 72 40 44 72 28 15 16 Tota Trees To Be Removed with 1200 390 126 105 16 18	75% 75% 75% 75% 75% 75% 75% 75% 75% 75%	no n	22 18 10 11 18 7 4 4 • 0 • 94 200 65 21 18 3
11 8 4 4 6 2 1 1 1 ategory 3 (50%	8 9 10 11 12 14 15 16 Mitigation) 12 13 14 15 16 18 24	9 10 11 12 14 15 16 12 13 14 15 16 18 12	12			GUM (SWEETGUM) PINE (LOBLOLLY)	hardwood hardwood hardwood hardwood hardwood hardwood hardwood hardwood Total Category 2 Regulated conifer conifer conifer conifer conifer conifer conifer conifer conifer	88 72 40 44 72 28 15 16 Tota Trees To Be Removed with 1200 390 126 105 16 18 24	75% 75% 75% 75% 75% 75% 75% 75% 75% 75%	no n	22 18 10 11 18 7 4 4 • • • • • • • • • • • • • • • • • • •
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11 8 4 4 6 2 1 1 1 ategory 3 (50%	8 9 10 11 12 14 15 16 Mitigation) 12 13 14 15 16 18 24 6 8 12	9 10 11 12 14 15 16 12 13 14 15 16 18 12 6 8	12			GUM (SWEETGUM) PINE (LOBLOLLY) PINE (LOBLOLLY) PINE (LOBLOLLY) PINE (LOBLOLLY) PINE (LOBLOLLY) PINE (LOBLOLLY) CHERRY (BLACK CHERRY) CHERRY (BLACK CHERRY)	hardwood hardwood hardwood hardwood hardwood hardwood hardwood hardwood hardwood Total Category 2 Regulated conifer conifer conifer conifer conifer conifer conifer ornamental flowering ornamental flowering ornamental flowering Total Category 2 Regulated	88 72 40 44 72 28 15 16 Tota Trees To Be Removed with 1200 390 126 105 16 18 24 12 16 12 13 Tota Tota	75% 75% 75% 75% 75% 75% 75% 75% 75% 75%	no n	22 18 10 11 18 7 4 4 4 5 94 200 65 21 18 3 3 4 2 5 4 4 2 5 4 4 2 5 4 4 2 5 4 4 4 2 4 4 4 4 4 4 4 4 4 4 4 4 4







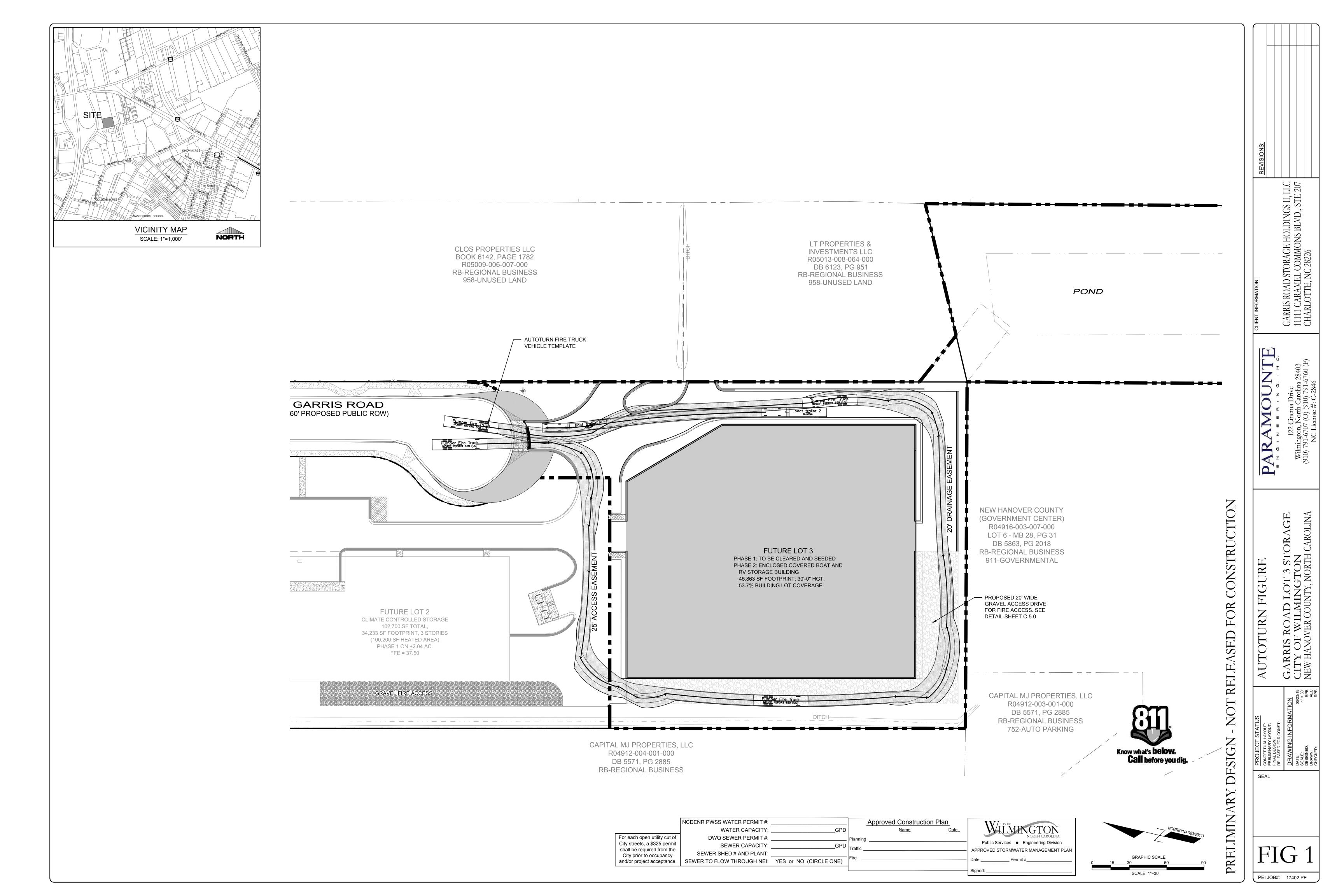
STRUC **RELEA** DESIGN

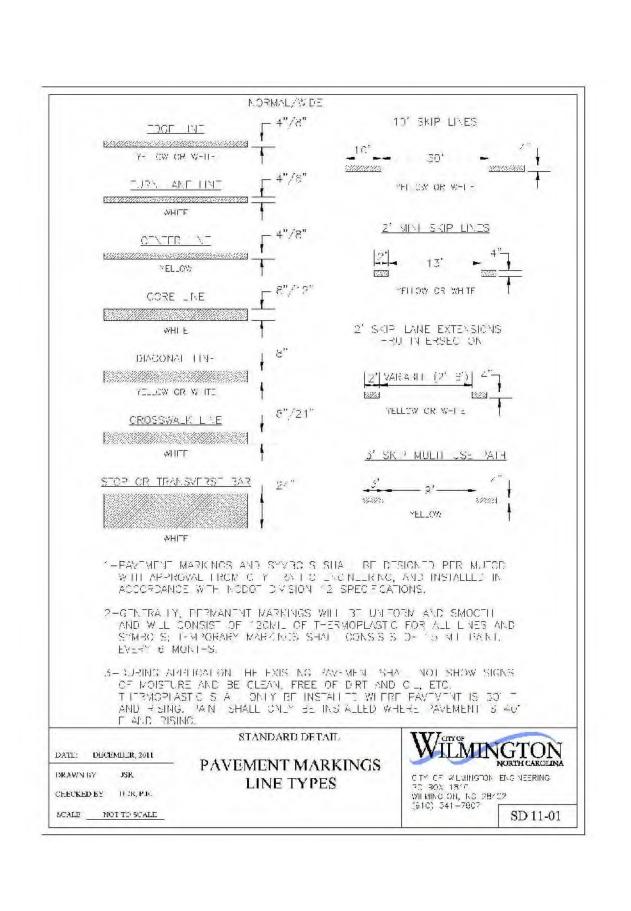
PRELIMINARY

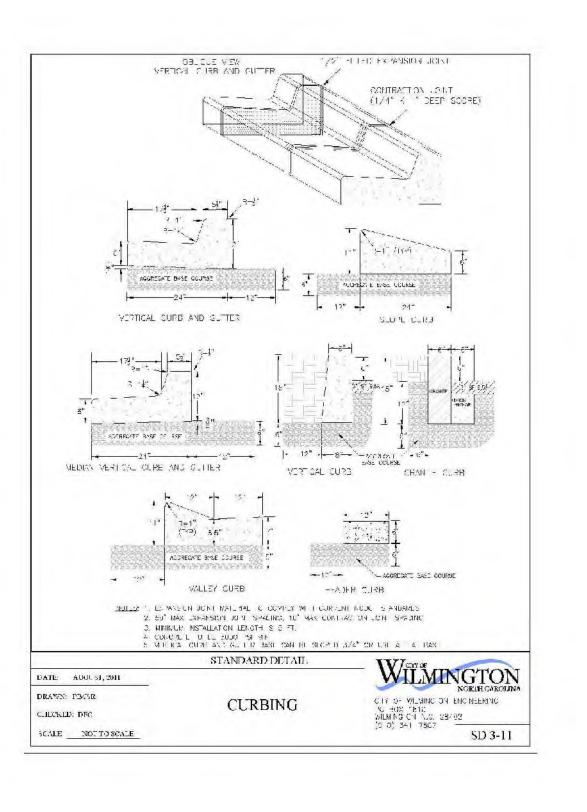
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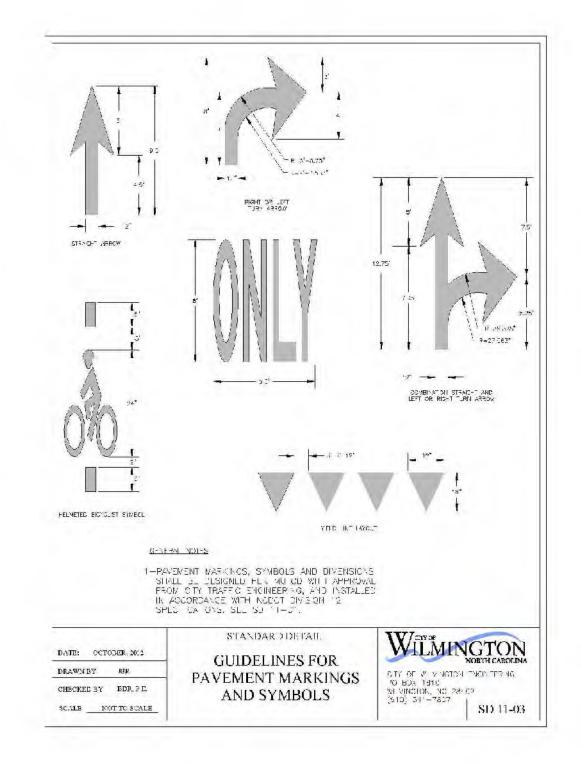
GARRIS ROAD STORAGE HOLDINGS II, LLC 11111 CARAMEL COMMONS BLVD., STE 207 CHARLOTTE, NC 28226

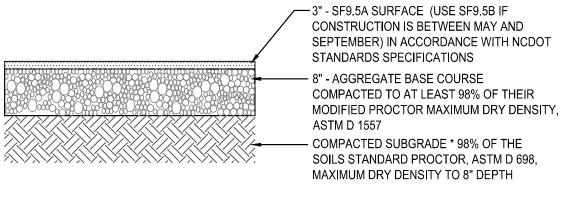
RRIS ROAD LOT 3 STORAGE Y OF WILMINGTON HANOVER COUNTY, NORTH CAROLINA



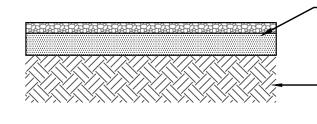








HEAVY DUTY ASPHALT PAVEMENT SECTION N.T.S.



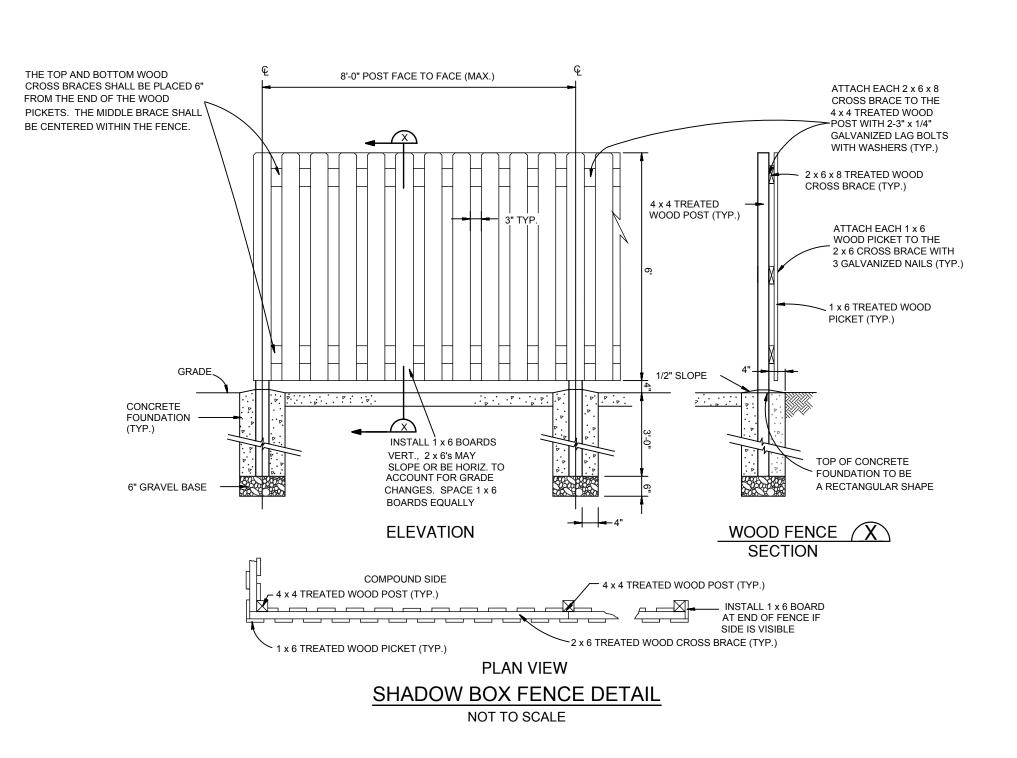
MIRAFI 600X FILTER FABRIC COVERED WITH 6" OF WASHED #57 STONE. COMPACTED TO AT LEAST 98% OF THEIR MODIFIED PROCTOR MAXIMUM DRY DENSITY, ASTM D 1557
 COMPACTED SUBGRADE * 98% OF THE

SOILS STANDARD PROCTOR, ASTM D 698,
MAXIMUM DRY DENSITY TO 8" DEPTH

20' GRAVEL FIRE ACCESS DRIVE

SECTION

N.T.S.



NCDENR PWSS WATER PERMIT #: WATER CAPACITY: GPD DWQ SEWER PERMIT #: SEWER CAPACITY: GPD SEWER SHED # AND PLANT: SEWER TO FLOW THROUGH NEI: YES or NO (CIRCLE ONE) Approved Construction Plan Public Services • Engineering Division APPROVED STORMWATER MANAGEMENT PLAN For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

DETAILS

PARAMOUNT]

PARAMOUNT]

PARAMOUNT]

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E N G N N G N N C LICENSE # 1.0 C OF WILMINGTON

Wilmington, North Carolina 28403

WILMINGTON

WILMINGTON

(910) 791-6707 (O) (910) 791-6760 (F)

NC License #: C-2846

CONSTRUCTION

- NOT RELEASED FOR

DESIGN

PRELIMINARY

GARRIS ROAD STORAGE HOLDINGS II, LLC 11111 CARAMEL COMMONS BLVD., STE 207 CHARLOTTE, NC 28226

C-5.0

PEI JOB#: 17402.PE