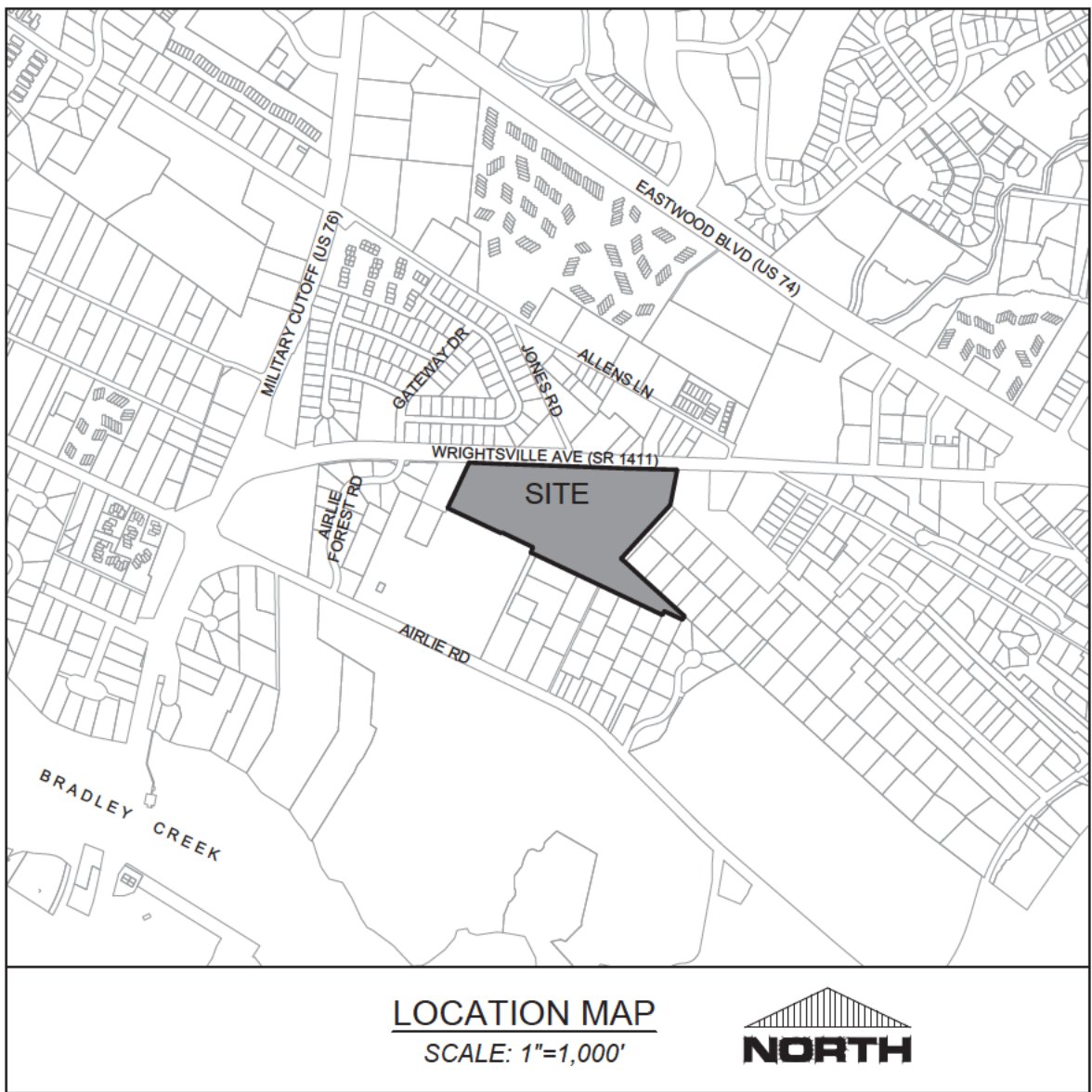


THE GALLERIA  
WRIGHTSVILLE AVENUE  
CITY OF WILMINGTON, NORTH CAROLINA

CIVIL SITE DESIGN DOCUMENTS  
NOVEMBER 2020

STATE STREET-GALLERIA, LLC  
P.O. BOX 12477  
CHARLOTTE, NC 28220



NOTICE REQUIRED

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

CONTRACTORS SHALL NOTIFY OPERATORS WHO MAINTAIN UNDERGROUND UTILITY LINES IN THE AREA OF PROPOSED EXCAVATION AT LEAST TWO WORKING DAYS, BUT NOT MORE THAN TEN WORKING DAYS PRIOR TO COMMENCEMENT OF EXCAVATION OR DEMOLITION.

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.

CONTACT THESE UTILITIES

CITY OF WILMINGTON PLANNING & DEVELOPMENT  
ATTN: BRIAN CHAMBERS, PLANNER  
PH: 910-342-2782

ATTN: ZONING INSPECTIONS  
PH: 910-254-0800

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

EMERGENCY DIAL 911  
POLICE - FIRE - RESCUE

CAPE FEAR PUBLIC UTILITY AUTHORITY (WATER & SEWER)  
ENGINEERING/INSPECTIONS  
PH: 910-332-6560

OPERATIONS/MAINTENANCE  
PH: 910-332-6550

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

TRANSMISSION AGENT  
BILL WILDER  
PH: 910-772-4903

AT&T/BELL SOUTH  
ATTN: STEVE DAYVAULT (BUILDING ENGINEERING)  
PH: 910-341-0741

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

SPECTRUM  
PH: 910-763-4638



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

THE GALLERIA

PROJECT # 19351.PE NOVEMBER 2, 2020

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SHEET NUMBER	SHEET TITLE
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C-2.0	OVERALL SITE PLAN
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C-2.2A	DEMOLITION PLAN
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**DEVELOPER**  
STATE STREET COMPANIES  
PO BOX 12477  
CHARLOTTE, NORTH CAROLINA 28220  
ATTN: DAVID NOVOTNY  
PHONE: (910) 443-0149  
Email: dnovotny@statestreetco.com  
Email: jkentner@statestreetco.com

**CIVIL ENGINEER AND SURVEYOR:**  
PARAMOUNTE ENGINEERING, INC.  
122 CINEMA DRIVE  
WILMINGTON, NORTH CAROLINA 28403  
ATTN: DANIEL FISK, P.E.  
PHONE: (910) 791-6707  
Email: dfisk@paramounte-eng.com

**LANDSCAPE ARCHITECT:**  
LAND DESIGN  
223 N. GRAHAM STREET  
CHARLOTTE, NORTH CAROLINA 28202  
ATTN: RICHARD PETERSHEIM, R.L.A.  
PHONE: (704) 333-0325  
Email: rpetersheim@landdesign.com

Approved Construction Plan	
Name _____	Date _____
Planning _____	
Traffic _____	
Fire _____	
Date: _____ Permit #: _____	
Signed: _____	

PREPARED BY:

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

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION



COORDINATION NOTES:

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

GENERAL NOTES:

1. TREE INVENTORY AND TOPOGRAPHIC SURVEY COMPLETED BY MICHAEL UNDERWOOD SURVEYING & PARAMOUNT ENGINEERING, INC. THE SURVEY SHALL BE FIELD VERIFIED BY CONTRACTOR AND ANY DISCREPANCIES REPORTED TO THE OWNER AND ENGINEER.
2. REASONABLE CARE HAS BEEN EXERCISED IN SHOWING THE LOCATION OF EXISTING UTILITIES ON THE PLANS. THE EXACT LOCATION OF ALL EXISTING UTILITIES IS NOT KNOWN IN ALL CASES. THE CONTRACTOR SHALL EXPLORE THE AREA AHEAD OF DITCHING OPERATIONS BY OBSERVATIONS, ELECTRONIC DEVICES, HAND DIGGING AND BY PERSONAL CONTACT WITH THE UTILITY COMPANIES. IN ORDER TO LOCATE EXISTING UTILITIES IN ADVANCE OF TRENCHING OPERATIONS SO AS TO ELIMINATE OR MINIMIZE DAMAGE TO EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS RESULTING FROM ANY DAMAGE TO THE EXISTING UTILITY LINES INCLUDING LOSS OF UTILITY REVENUES. CONTRACTOR SHALL ARRANGE FOR TEMPORARY SUPPORT OF EXISTING UTILITIES, SUCH AS POLES, CONDUITS, FIBER OPTIC CABLES, TELEPHONE CABLES, WATER LINES, ETC.
3. CONTRACTOR SHALL COMPLY WITH THE LATEST REVISIONS AND INTERPRETATIONS OF THE DEPARTMENT OF LABOR SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION PROMULGATED UNDER THE OCCUPATIONAL SAFETY AND HEALTH ACT.
4. CONTRACTOR SHALL PLAN AND CONSTRUCT WORK SO AS TO CAUSE MINIMUM INCONVENIENCE TO THE OWNER AND THE PUBLIC. THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN AT ALL TIMES DURING THE PROGRESS OR TEMPORARY SUSPENSION OF WORK, SUITABLE BARRIERS, FENCES, SIGNS OR OTHER ADEQUATE PROTECTION, INCLUDING FLAGMEN AND WATCHMEN AS NECESSARY TO INSURE THE SAFETY OF THE PUBLIC AS WELL AS THOSE ENGAGED IN THE CONSTRUCTION WORK. CONSTRUCTION SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF "CONSTRUCTION AND MAINTENANCE OPERATIONS SUPPLEMENT TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" BY THE USDOT.
5. ALL MATERIAL CLEARED OR DEMOLISHED BY THE CONTRACTOR IN ORDER TO CONSTRUCT THE WORK SHALL BE PROPERLY DISPOSED OF OFF-SITE.
6. ALL WORK BY THE CONTRACTOR SHALL BE WARRANTED BY THE CONTRACTOR FOR A PERIOD OF ONE YEAR AFTER THE OWNER ACCEPTS THE WORK.
7. CONTRACTOR SHALL CALL THE NORTH CAROLINA ONE-CALL CENTER AT 811 AN ALLOW THE CENTER TO LOCATE EXISTING UTILITIES BEFORE DIGGING.
8. 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 SERVICES, EASEMENTS AND DIMENSIONS SHOWN HEREON BEFORE BEGINNING CONSTRUCTION.
9. CONTRACTOR SHALL MAINTAIN THE SITE IN A MANNER SO THAT WORKMEN AND PUBLIC SHALL BE PROTECTED FROM INJURY, AND ADJOINING PROPERTY PROTECTED FROM DAMAGE.
10. ACCESS TO UTILITIES, FIRE HYDRANTS, STREET LIGHTING, ETC., SHALL REMAIN UNDISTURBED, UNLESS COORDINATED WITH THE RESPECTIVE UTILITY.
11. DO NOT SCALE THIS DRAWING AS IT IS A REPRODUCTION AND SUBJECT TO DISTORTION.
12. 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.
14. 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.
15. CONTRACTOR SHALL MAINTAIN AN "AS-BUILT" SET OF DRAWINGS TO RECORD THE EXACT LOCATION OF ALL PIPING PRIOR TO CONSTRUCTION. DRAWINGS SHALL BE GIVEN TO THE OWNER UPON COMPLETION OF THE PROJECT WITH A COPY OF THE TRANSMITTAL LETTER TO THE ENGINEER.
16. 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 CPFA, RESPECTIVELY.
17. 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 1-800-432-4449 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL NONSUBSCRIBING UTILITIES.
18. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL INSPECTIONS, CERTIFICATIONS, EQUIPMENT, 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.
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.
21. 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.
22. ALL DIMENSIONS AND RADII ARE TO OUTSIDE FACE OF BUILDING OR TO FACE OF CURB UNLESS OTHERWISE NOTED.

TRAFFIC NOTES:

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

GENERAL EROSION AND SEDIMENT CONTROL NOTES:

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

DEMOLITION NOTES:

1. CONTRACTOR TO COORDINATE WITH THE OWNER TO PROPERLY MAINTAIN OR RELOCATE EXISTING SERVICE CONNECTIONS WHEN NECESSARY.
2. CONTRACTOR IS TO WALK THE SITE AND BECOME FAMILIAR WITH THE SCOPE OF DEMOLITION REQUIRED. ALL DEMOLITION WORK REQUIRED TO CONSTRUCT NEW SITE IMPROVEMENTS WILL BE PERFORMED BY THE CONTRACTOR AND WILL BE CONSIDERED UNCLASSIFIED EXCAVATION.
3. DEMOLITION SHALL INCLUDE BUT IS NOT LIMITED TO THE EXCAVATION, HAULING AND OFFSITE DISPOSAL OF CONCRETE PADOS, 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.
4. THE CONTRACTOR SHALL PROTECT ALL ADJACENT PROPERTY, STRUCTURES AND UTILITIES ON THE PROPERTY NOT TO BE DEMOLISHED. DAMAGE TO PROPERTIES OF OTHERS DUE TO THE CONTRACTOR'S ACTIVITIES SHALL BE REPLACED IN KIND BY THE CONTRACTOR AT NO COST TO OWNER.
5. ELECTRIC, TELEPHONE, SANITARY SEWER, WATER AND STORM SEWER UTILITIES THAT SERVICE OFF-SITE PROPERTIES SHALL BE MAINTAINED DURING THE CONSTRUCTION PROCESS BY THE CONTRACTOR.
6. THE CONTRACTOR SHALL PRODUCE A PHOTOGRAPHIC RECORD (DIGITAL) OF DEVELOPMENT COMMENCING WITH A RECORD OF THE SITE AS IT APPEARS BEFORE DEMOLITION HAS BEGUN. AFTERWARDS, A PHOTOGRAPHIC RECORD SHALL BE MAINTAINED WEEKLY DURING CONSTRUCTION AND ENDING WITH A PHOTOGRAPHIC RECORD OF THE DEVELOPMENT AS IT APPEARS AFTER DEMOLITION. THIS RECORD SHALL BE DELIVERED TO THE OWNER.
7. EXISTING CURB AND GUTTER, LINES, SIDEWALK, AND UTILITIES NOT INTENDED FOR DEMOLITION SHALL BE MAINTAINED, PROTECTED AND UNDISTURBED DURING DEMOLITION.
8. ALL EXISTING IMPROVEMENTS INDICATED OR REQUIRED TO BE DEMOLISHED SHALL INCLUDE REMOVAL FROM THE PROPERTY AND PROPER DISPOSAL.
9. CONTRACTOR SHALL COORDINATE DISCONNECTION & ABANDONING ALL EXISTING OVERHEAD AND UNDERGROUND UTILITIES INCLUDING CABLE, GAS, TELEPHONE AND ELECTRIC AND ANY OTHER UTILITIES WITH OWNER UNLESS OTHERWISE NOTED. ALL EXISTING UTILITIES ASSOCIATED PIPING SHALL BE PROPERLY ABANDONED AND REMOVED AS REQUIRED. COORDINATE WITH OWNER.
10. CONTRACTOR SHALL MAINTAIN REQUIRED DISTANCES FROM HIGH VOLTAGE OVERHEAD LINES AND REMOVE TREES SO THEY DO NOT FALL TOWARDS OVERHEAD ELECTRICITY.
11. 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.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROLLING DUST GENERATED BY SITE TRAFFIC AND RELATED OPERATIONS.

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

EXISTING UTILITY NOTES:

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

EROSION CONTROL AND SEQUENCE OF CONSTRUCTION NOTES:

- NOTE: THESE EROSION CONTROL AND SEQUENCE OF CONSTRUCTION NOTES ARE INTENDED FOR EACH "PHASE" OF CONSTRUCTION. THE ORDER AND STEPS TAKEN MUST BE IMPLEMENTED AS EACH PART OF THE PROJECT IS DEVELOPED; WHETHER AS A WHOLE OR IN PHASES. ANY EROSION CONTROL MEASURES MUST REMAIN IN PLACE UNTIL THE ENTIRE DISTURBANCE IS STABILIZED AND ALL IMPROVEMENTS WITHIN THE DISTURBANCE LIMITS ARE COMPLETE.
1. CONSTRUCT TEMPORARY GRAVEL CONSTRUCTION ENTRANCE(S), ESTABLISH THE LIMITS OF DISTURBANCE, TREE PROTECTION FENCING, AND TEMPORARY SILT FENCE.
2. CLEAR AND REMOVE FROM SITE TREES AS DESIGNATED, ROOTS, ROOT MAT, ETC. FROM THE AREA WITHIN THE DESIGNATED CLEARING LIMITS.
3. CONSTRUCT TEMPORARY SEDIMENT BASIN(S) AND ASSOCIATED SKIMMER, OUTLET PIPE, SPILLWAY, ETC.
4. INSTALL REMAINING EROSION CONTROL MEASURES AS SHOWN ON THE PLANS WITHIN THE AREA DISTURBED. ALL EROSION CONTROL MEASURES MUST BE INSTALLED BEFORE COMMENCING CONSTRUCTION.
5. PLANT GRASS OVER ALL GRADED AREAS WITHIN 14 WORKING DAYS OF CEASE OF ANY GRADING ACTIVITY.
6. 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.
7. 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.
8. 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.
9. UPON RECEIVING FINAL APPROVAL, THE CONTRACTOR CAN REMOVE TEMPORARY EROSION CONTROL MEASURES.
10. THE CONTRACTOR SHALL CONTINUE TO WATER, FERTILIZE, MOW AND MAINTAIN GRASS & PLANTED AREAS UNTIL ALL CONSTRUCTION IS COMPLETE.

EROSION CONTROL MAINTENANCE PLAN:

1. ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY 1/2 INCH OR GREATER RAINFALL BUT IN NO CASE LESS THAN ONCE EVERY WEEK. ANY NEEDED REPAIRS WILL BE MADE IMMEDIATELY TO MAINTAIN ALL PRACTICES AS DESIGNED.
2. ALL CONSTRUCTION ENTRANCES WILL BE PERIODICALLY TOP DRESSED WITH AN ADDITIONAL 2 INCHES OF #4 STONE TO MAINTAIN PROPER DEPTH. ANY SEDIMENT THAT IS TRACKED INTO THE STREET WILL BE IMMEDIATELY REMOVED.
3. SEDIMENT FENCE / SEDIMENT FENCE OUTLETS - SEDIMENT WILL BE REMOVED BEHIND THE SEDIMENT FENCE WHEN IT BECOMES HALF FILLED. THE SEDIMENT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER. STAKES MUST BE STEEL, AND SPACED 6 FEET WITH EXTRA STRENGTH FABRIC AND NO WIRE BACKING. STAKE SPACING CAN BE 8 FEET WHEN STANDARD STRENGTH FABRIC AND WIRE BACKING ARE USED. IF ROCK FILTERS (OR EXCELSEOR WATTLES) ARE DESIGNED AT LOW POINTS IN THE SEDIMENT FENCE, THE ROCK OR WATTLE WILL BE REPAIRED OR REPLACED IF IT BECOMES FULL FULL OF SEDIMENT, NO LONGER DRAINS, OR IS DAMAGED.
4. ALL SEEDED AREAS WILL BE FERTILIZED, RESEEDED AS NECESSARY, AND MULCHED ACCORDING TO SPECIFICATIONS ON THESE PLANS AND CONTRACT SPECIFICATIONS TO MAINTAIN A VIGOROUS, DENSE VEGETATIVE COVER.
5. INLET PROTECTION - SEDIMENT SHALL BE REMOVED FROM HARDWARE CLOTH AND GRAVEL, BLOCK AND GRAVEL, OR ROCK-PIPE INLETS, WHEN IT REACHES HALF-FILLED. ROCK WILL BE CLEANED OR REPLACED WHEN NO LONGER DRAINS. SILT SACKS, BEAVER DAMS, SANDY SACKS, AND SOCKS NEED CHECKING EVERY WEEK AND AFTER RAIN.
6. SEDIMENT BASIN/SEDIMENT TRAPS - REMOVE SEDIMENT AND RESTORE THE BASIN TO ITS ORIGINAL DIMENSIONS WHEN IT ACCUMULATES TO WITHIN ONE HALF OF THE DESIGN DEPTH. PLACE SEDIMENT IN AREA WITH SEDIMENT CONTROLS. CHECK THE EMBANKMENT, SPILLWAYS, AND OUTLET FOR EROSION DAMAGE, PIPING, AND SETTLEMENT. MAKE ALL NECESSARY REPAIRS IMMEDIATELY. REMOVE ALL TRASH AND OTHER DEBRIS FROM THE RISER AND POOL AREA. BAFFLES WILL BE REPAIRED OR REPLACED IF THEY COLLAPSE, TEAR, DECOMPOSE, ETC.
7. SKIMMER - INSPECT SKIMMER AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL TO MAKE SURE THAT THE INTAKE MECHANISM, ORIFICE, OR DISCHARGE PIPE IS NOT CLOGGED WITH TRASH OR SEDIMENT. IF THE BASIN IS DRY, MAKE SURE THAT ANY VEGETATION GROWING ON THE BOTTOM IS NOT HOLDING THE SKIMMER DOWN. TAKE SPECIAL PRECAUTION IN WINTER TO PREVENT THE SKIMMER FROM PLUGGING WITH ICE.
8. OUTLET PROTECTION - INSPECT RIP RAP OUTLET STRUCTURES WEEKLY AND AFTER RAINFALL EVENTS TO SEE IF ANY EROSION AROUND OR BELOW THE RIP RAP HAS TAKEN PLACE, OR IF STONES HAVE BEEN DISLOADED. IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER OFFSITE SEDIMENTATION.
9. EMERGENCY SPILLWAY / FOREBAY PROTECTION - AFTER EVERY HIGH-WATER EVENT INSPECT THE INTEGRITY OF THE LINED SPILLWAY AND THE ADJACENT EARTHEN BANKS. IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE. REPAIR ANY VOIDS IN THE RIP RAP LINED APRONS. RE-ESTABLISH ANY LOOSE STONES, AND FIX GAPS IN THE ADJACENT VEGETATIVE COVER.
10. DIVERSION DITCHES / GRASS SWALES - 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. DIVERSIONS SHALL BE LINED OR STABILIZED AS NOTED ON THE PLANS. IF THE DIVERSION WILL BECOME PERMANENT GRASS SWALES, THEN GROW GRASS INTO A HEALTHY, VIGOROUS CONDITION.
11. CHECK DAMS - EXCELSEOR OR RIP RAP - SEDIMENT SHALL BE REMOVED FROM THE DAM WHEN IT REACHES HALF-FILLED. CHECK DAMS SHALL BE REPAIRED OR REPLACED, AND CHANNEL SHALL BE REPAIRED OF RUTS, PIPING, AND SETTLEMENT AROUND THE DAMS AS NEEDED.
12. CONCRETE WASHOUTS - CONCRETE WASHOUTS SHOULD BE INSPECTED DAILY AND AFTER HEAVY RAINS. DAMAGES SHOULD BE REPAIRED PROMPTLY. IF FILLED TO OVER 75% CAPACITY WITH RAIN WATER IT SHOULD BE VACUUMED OR ALLOWED TO EVAPORATE TO AVOID OVERFLOWS. BEFORE HEAVY RAINS THE CONTAINERS LIQUID LEVEL SHOULD BE LOWERED OR THE CONTAINER COVERED TO AVOID AN OVER FLOW DURING RAIN. WHEN SOLIDS HAVE HARDENED THEY SHOULD BE REMOVED AND RECYCLED.

PERMANENT SEEDING			
GRASS TYPE	LBS/ ACRE	TIME OF SEEDING	FERTILIZER LIMESTONE
BERMUDA, HULLED	10-20	MARCH - AUGUST	
BERMUDA, UNHULLED	35	SEPT. - FEB.	BY SOIL TEST
CENTPEDEE	10	MARCH - AUGUST	BY SOIL TEST (NO HIGH PH)
TALL FESCUE (COASTAL CULTIVAR RECOMMENDED)	50	MARCH - AUGUST	300 LBS/AC 10-20-20 OR BY SOIL TEST
SLOPES >= 2:1 CENTPEDEE, SERICEA LESPEDEZA	5 20	JAN - DEC	BY SOIL TEST

TEMPORARY SEEDING			
GRASS TYPE	LBS/ ACRE	TIME OF SEEDING	FERTILIZER LIMESTONE
RYE GRAIN	50	OCT. - APR.	400 LBS/AC. 10-20-20
SWEET SUDAN GRASS	50	JUNE - AUGUST	400 LBS/AC. 10-20-20
GERMAN OR BROWNTOP MILLET	50	JUNE - AUGUST	400 LBS/AC. 10-20-20
STRAW MULCH AS NEEDED	4,000		

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

Approved Construction Plan

Name \_\_\_\_\_ Date \_\_\_\_\_

Planning \_\_\_\_\_

Traffic \_\_\_\_\_

Fire \_\_\_\_\_

City of WILMINGTON NORTH CAROLINA

Public Services • Engineering Division

APPROVED STORMWATER MANAGEMENT PLAN

Date: \_\_\_\_\_ Permit #: \_\_\_\_\_

Signed: \_\_\_\_\_

NC ACCESSIBILITY NOTES:

GENERAL NOTES:

1. SPECIAL ATTENTION SHALL BE GIVEN TO COMPLIANCE WITH AMERICANS WITH DISABILITIES ACT (2010 ADA STANDARDS), THE NORTH CAROLINA BUILDING CODE/ANSI A117.1, AND APPLICABLE LOCAL LAWS & REGULATIONS.
2. IT IS ESSENTIAL THAT CONTRACTORS ARE AWARE OF THE SITE ACCESSIBILITY REQUIREMENTS. PARAMOUNT 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, PARAMOUNT 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 PARAMOUNT ENGINEERING IMMEDIATELY OF ANY CONFLICT BETWEEN THESE NOTES AND DETAILS AND OTHER PROJECT DRAWINGS, WHETHER BY PARAMOUNT ENGINEERING OR OTHERS. THE CONTRACTOR SHALL NOT PROCEED WITH THE WORK FOR WHICH THE ALLEGED CONFLICT HAS BEEN DISCOVERED UNTIL SUCH ALLEGED CONFLICT HAS BEEN RESOLVED. NO CLAIM SHALL BE MADE BY THE CONTRACTOR FOR DELAY OR DAMAGES AS A RESULT OF RESOLUTION OF ANY SUCH CONFLICT(S).
4. THESE ACCESSIBILITY NOTES AND DETAILS ARE INTENDED TO DEPICT SLOPE AND DIMENSIONAL REQUIREMENTS ONLY. REFER TO SIDEWALK, CURBING, AND PAVEMENT DETAILS FOR ADDITIONAL INFORMATION.

ACCESSIBLE ROUTE NOTES:

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

RAMP NOTES:

1. ANY PART OF AN ACCESSIBLE ROUTE WITH A RUNNING SLOPE GREATER THAN 5% SHALL BE CONSIDERED A RAMP.
2. THE MAXIMUM RUNNING SLOPE FOR A RAMP SHALL BE 8.33% AND THE MAXIMUM CROSS SLOPE SHALL BE 2.0%.
3. THE CLEAR WIDTH OF AN EXTERIOR RAMP RUN SHALL BE FORTY EIGHT INCHES (NC BUILDING CODE 1104.1). WHERE HANDRAILS ARE PROVIDED ON THE RAMP RUN, THE CLEAR WIDTH SHALL BE MEASURED BETWEEN THE HANDRAILS.
4. THE RISE FOR ANY RAMP RUN SHALL BE THIRTY (30) INCHES MAXIMUM.
5. LANDINGS SHALL BE PROVIDED AT THE TOP AND BOTTOM OF RAMPS. LANDINGS SHALL HAVE A SLOPE NOT STEEPER THAN 2.0% IN ANY DIRECTION. THE LANDING CLEAR WIDTH SHALL BE AT LEAST AS WIDE AS THE WIDEST RAMP RUN LEADING TO THE LANDING. THE LANDING CLEAR LENGTH SHALL BE SIXTY (60) INCHES LONG MINIMUM. RAMPS THAT CHANGE DIRECTION BETWEEN RUNS AT LANDINGS SHALL HAVE A CLEAR LANDING OF SIXTY (60) INCHES BY SIXTY (60) INCHES MINIMUM.
6. RAMP RUNS WITH A RISE GREATER THAN SIX (6) INCHES SHALL HAVE HANDRAILS ON BOTH SIDES COMPLYING WITH THE AMERICANS WITH DISABILITIES ACT (2010 ADA STANDARDS), THE NC BUILDING CODE/ANSI A117.1, AND APPLICABLE LOCAL LAWS & REGULATIONS.
7. FLOOR SURFACES OF RAMPS AND LANDINGS SHALL BE STABLE, FIRM AND SLIP RESISTANT.
8. EDGE PROTECTION COMPLYING WITH AMERICANS WITH DISABILITIES ACT (2010 ADA STANDARDS), THE NC BUILDING CODE/ANSI A117.1, AND APPLICABLE LOCAL LAWS & REGULATIONS SHALL BE PROVIDED ON EACH SIDE OF RAMP RUNS AND ON EACH SIDE OF RAMP LANDINGS.
9. WHERE DOORWAYS ARE LOCATED ADJACENT TO A RAMP LANDING, MANEUVERING CLEARANCES REQUIRED BY THE AMERICANS WITH DISABILITIES ACT (2010 ADA STANDARDS), THE NC BUILDING CODE/ANSI A117.1 SHALL BE PERMITTED TO OVERLAP THE REQUIRED LANDING AREA, WHERE DOORS THAT ARE SUBJECT TO LOOKING 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 LANDINGS 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 COMPLIING WITH 408.12 A117.1, EXTENDING THE FULL WIDTH OF THE RAMP. REFER TO 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, ¼ 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.

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 ADJACENT PARKING SPACES, 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 FOR ACCESSIBLE 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 EXCEPTOR ANGLED VAN PARKING SPACES WHICH SHALL HAVE ACCESS AISLES LOCATED ON THE PASSENGER SIDE OF THE PARKING SPACES.
8. FLOOR SURFACES OF PARKING SPACES AND ACCESS AISLES SERVING THEM SHALL BE STABLE, FIRM AND SLIP RESISTANT. ACCESS AISLES SHALL BE AT THE SAME LEVEL AS THE PARKING SPACES THEY SERVE. CHANGES IN LEVEL ARE NOT PERMITTED.
9. PARKING SPACES AND ACCESS AISLES SHALL BE LEVEL WITH SURFACE SLOPES NOT EXCEEDING 2.0% IN ALL DIRECTIONS.
10. PARKED VEHICLE OVERHANGS SHALL NOT REDUCE THE REQUIRED CLEAR WIDTH OF AN ACCESSIBLE ROUTE.
11. PARKING SPACES FOR VANS AND ACCESS AISLES AND VEHICULAR ROUTES SERVING THEM SHALL PROVIDE A VERTICAL CLEARANCE OF NINETY-EIGHT (98) INCHES MINIMUM. SIGNS SHALL BE PROVIDED AT ENTRANCES TO PARKING FACILITIES INFORMING DRIVERS OF CLEARANCES AND THE LOCATION OF VAN ACCESSIBLE PARKING SPACES.
12. EACH ACCESSIBLE PARKING SPACE SHALL BE PROVIDED WITH SIGNAGE DISPLAYING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY. SIGNS SHALL BE INSTALLED AT A MINIMUM CLEAR HEIGHT OF SIXTY (60) INCHES ABOVE GRADE AND SHALL NOT INTERFERE WITH AN ACCESSIBLE ROUTE FROM AN ACCESS AISLE. SIGNS LOCATED WHERE THEY MAY BE HIT BY VEHICLES BEING PARKED SHALL BE INSTALLED WITH BOLLARD PROTECTION.
13. SIGNAGE AT ACCESSIBLE PARKING SPACES REQUIRED BY THE NC BUILDING CODE SECTION 1108.1 SHALL COMPLY WITH THE REQUIREMENTS OF NORTH CAROLINA GENERAL STATUTE 20-37.6 AND 136-30 AND THE NCDOT UNIFORM MANUAL ON TRAFFIC CONTROL DEVICES. A SEPARATE SIGN IS REQUIRED FOR EACH SPACE. SIGNS TO INDICATE THE MAXIMUM PENALTY MUST BE PROVIDED AT EACH ACCESSIBLE SPACE.
14. ACCESSIBLE PARKING SPACE, ACCESS AISLE STRIPING, AND INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE PAINTED BLUE (OR ANOTHER COLOR THAT CAN BE DISTINGUISHED FROM PAVEMENT).

PASSENGER LOADING ZONE NOTES:

1. PASSENGER LOADING ZONES SHALL PROVIDE VEHICULAR PULL-UP SPACE NINETY-SIX (96) INCHES WIDE MINIMUM AND TWENTY (20) FEET LONG MINIMUM.
2. PASSENGER LOADING ZONES SHALL PROVIDE A FULLY MARKED ACCESS AISLE THAT IS SIXTY (60) INCHES WIDE MINIMUM AND EXTENDS THE FULL LENGTH OF THE VEHICLE PULL-UP SPACE THEY SERVE.
3. ACCESS AISLE SHALL ADJOIN AN ACCESSIBLE ROUTE AND NOT OVERLAP THE VEHICULAR WAY.
4. VEHICLE PULL-UP SPACES AND ACCESS AISLES SERVING THEM SHALL BE LEVEL WITH SURFACE SLOPES NOT EXCEEDING 2.0% IN ANY DIRECTION. 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 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.



**GROUND STABILIZATION AND MATERIALS HANDLING PRACTICES FOR COMPLIANCE WITH THE NCG01 CONSTRUCTION GENERAL PERMIT**

Implementing the details and specifications on this plan sheet will result in the construction activity being considered compliant with the Ground Stabilization and Materials Handling sections of the NCG01 Construction General Permit (Sections E and F, respectively). The permittee shall comply with the Erosion and Sediment Control plan approved by the delegated authority having jurisdiction. All details and specifications shown on this sheet may not apply depending on site conditions and the delegated authority having jurisdiction.

**SECTION E: GROUND STABILIZATION**

Required Ground Stabilization Timeframes		
Site Area Description	Stabilize within this many calendar days after ceasing land disturbance	Timeframe variations
(a) Perimeter dikes, swales, ditches, and perimeter slopes	7	None
(b) High Quality Water (HOW) Zones	7	None
(c) Slopes steeper than 3:1	7	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed
(d) Slopes 3:1 to 4:1	14	-7 days for slopes greater than 50' in length and with slopes steeper than 4:1 -7 days for perimeter dikes, swales, ditches, perimeter slopes and HOW Zones -10 days for Falls Lake Watershed
(e) Areas with slopes flatter than 4:1	14	-7 days for perimeter dikes, swales, ditches, perimeter slopes and HOW Zones -10 days for Falls Lake Watershed unless there is zero slope

**Note:** After the permanent cessation of construction activities, any areas with temporary ground stabilization shall be converted to permanent ground stabilization as soon as practicable but in no case longer than 90 calendar days after the last land disturbing activity. Temporary ground stabilization shall be maintained in a manner to render the surface stable against accelerated erosion until permanent ground stabilization is achieved.

**GROUND STABILIZATION SPECIFICATION**

Stabilize the ground sufficiently so that rain will not dislodge the soil. Use one of the techniques in the table below:

Temporary Stabilization	Permanent Stabilization
<ul style="list-style-type: none"><li>Temporary grass seed covered with straw or other mulches and tackifiers</li><li>Hydroseeding</li><li>Roller erosion control products with or without temporary grass seed</li><li>Appropriately applied straw or other mulch</li><li>Plastic sheeting</li></ul>	<ul style="list-style-type: none"><li>Permanent grass seed covered with straw or other mulches and tackifiers</li><li>Geotextile fabrics such as permanent soil reinforcement matting</li><li>Hydroseeding</li><li>Shrubs or other permanent plantings covered with mulch</li><li>Uniform and evenly distributed ground cover sufficient to restrain erosion</li><li>Structural methods such as concrete, asphalt or retaining walls</li><li>Roller erosion control products with grass seed</li></ul>

**POLYACRYLAMIDES (PAMS) AND FLOCCULANTS**

- Select flocculants that are appropriate for the soils being exposed during construction, selecting from the *NC DWR List of Approved PAMS/Flocculants*.
- Apply flocculants at or before the inlets to Erosion and Sediment Control Measures.
- Apply flocculants at the concentrations specified in the *NC DWR List of Approved PAMS/Flocculants* and in accordance with the manufacturer's instructions.
- Provide ponding area for containment of treated Stormwater before discharging offsite.
- Store flocculants in leak-proof containers that are kept under storm-resistant cover or surrounded by secondary containment structures.

**EQUIPMENT AND VEHICLE MAINTENANCE**

- Maintain vehicles and equipment to prevent discharge of fluids.
- Provide drip pans under any stored equipment.
- Identify leaks and repair as soon as feasible, or remove leaking equipment from the project.
- Collect all spent fluids, store in separate containers and properly dispose as hazardous waste (recycle when possible).
- Remove leaking vehicles and construction equipment from service until the problem has been corrected.
- Bring used fuels, lubricants, coolants, hydraulic fluids and other petroleum products to a recycling or disposal center that handles these materials.

**LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE**

- Never bury or burn waste. Place litter and debris in approved waste containers.
- Provide a sufficient number and size of waste containers (e.g. dumpster, trash receptacle) on site to contain construction and domestic wastes.
- Locate waste containers at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- Locate waste containers on areas that do not receive substantial amounts of runoff from upland areas and does not drain directly to a storm drain, stream or wetland.
- Cover waste containers at the end of each workday and before storm events or provide secondary containment. Repair or replace damaged waste containers.
- Anchor all lightweight items in waste containers during times of high winds.
- Empty waste containers as needed to prevent overflow. Clean up immediately if containers overflow.
- Dispose waste off-site at an approved disposal facility.
- On business days, clean up and dispose of waste in designated waste containers.

**PAINT AND OTHER LIQUID WASTE**

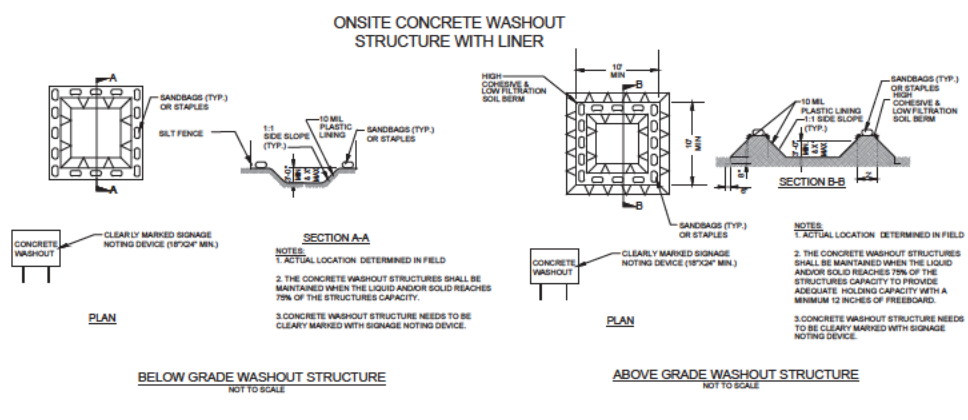
- Do not dump paint and other liquid waste into storm drains, streams or wetlands.
- Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- Contain liquid wastes in a controlled area.
- Containment must be labeled, sized and placed appropriately for the needs of site.
- Prevent the discharge of soaps, solvents, detergents and other liquid wastes from construction sites.

**PORTABLE TOILETS**

- Install portable toilets on level ground, at least 50 feet away from storm drains, streams or wetlands unless there is no alternative reasonably available. If 50 foot offset is not attainable, provide relocation of portable toilet behind silt fence or place on a gravel pad and surround with sand bags.
- Provide staking or anchoring of portable toilets during periods of high winds or in high foot traffic areas.
- Monitor portable toilets for leaking and properly dispose of any leaked material. Utilize a licensed sanitary waste hauler to remove leaking portable toilets and replace with properly operating unit.

**EARTHEN STOCKPILE MANAGEMENT**

- Show stockpile locations on plans. Locate earthen-material stockpile areas at least 50 feet away from storm drain inlets, sediment basins, perimeter sediment controls and surface waters unless it can be shown no other alternatives are reasonably available.
- Protect stockpile with silt fence installed along toe of slope with a minimum offset of five feet from the toe of stockpile.
- Provide stable stone access point when feasible.
- Stabilize stockpile within the timeframes provided on this sheet and in accordance with the approved plan and any additional requirements. Soil stabilization is defined as vegetative, physical or chemical coverage techniques that will restrain accelerated erosion on disturbed soils for temporary or permanent control needs.



**CONCRETE WASHOUTS**

- Do not discharge concrete or cement slurry from the site.
- Dispose of, or recycle settled, hardened concrete residue in accordance with local and state solid waste regulations and at an approved facility.
- Manage washout from mortar mixers in accordance with the above item and in addition place the mixer and associated materials on impervious barrier and within lot perimeter silt fence.
- Install temporary concrete washouts per local requirements, where applicable. If an alternate method or product is to be used, contact your approval authority for review and approval. If local standard details are not available, use one of the two types of temporary concrete washouts provided on this detail.
- Do not use concrete washouts for dewatering or storing defective curb or sidewalk sections. Stormwater accumulated within the washout may not be pumped into or discharged to the storm drain system or receiving surface waters. Liquid waste must be pumped out and removed from project.
- Locate washouts at least 50 feet from storm drain inlets and surface waters unless it can be shown that no other alternatives are reasonably available. At a minimum, install protection of storm drain inlet(s) closest to the washout which could receive spills or overflow.
- Locate washouts in an easily accessible area, on level ground and install a stone entrance pad in front of the washout. Additional controls may be required by the approving authority.
- Install at least one sign directing concrete trucks to the washout within the project limits. Post signage on the washout itself to identify this location.
- Remove leavings from the washout when at approximately 75% capacity to limit overflow events. Replace the tarp, sand bags or other temporary structural components when no longer functional. When utilizing alternative or proprietary products, follow manufacturer's instructions.
- At the completion of the concrete work, remove remaining leavings and dispose of in an approved disposal facility. Fill pit, if applicable, and stabilize any disturbance caused by removal of washout.

**HERBICIDES, PESTICIDES AND RODENTICIDES**

- Store and apply herbicides, pesticides and rodenticides in accordance with label restrictions.
- Store herbicides, pesticides and rodenticides in their original containers with the label, which lists directions for use, ingredients and first aid steps in case of accidental poisoning.
- Do not store herbicides, pesticides and rodenticides in areas where flooding is possible or where they may spill or leak into wells, stormwater drains, ground water or surface water. If a spill occurs, clean area immediately.
- Do not stockpile these materials onsite.

**HAZARDOUS AND TOXIC WASTE**

- Create designated hazardous waste collection areas on-site.
- Place hazardous waste containers under cover or in secondary containment.
- Do not store hazardous chemicals, drums or bagged materials directly on the ground.

**NCG01 GROUND STABILIZATION AND MATERIALS HANDLING**

EFFECTIVE: 04/01/19

**PART III  
SELF-INSPECTION, RECORDKEEPING AND REPORTING**

**SECTION A: SELF-INSPECTION**

Self-inspections are required during normal business hours in accordance with the table below. When adverse weather or site conditions would cause the safety of the inspection personnel to be in jeopardy, the inspection may be delayed until the next business day on which it is safe to perform the inspection. In addition, when a storm event of equal to or greater than 1.0 inch occurs outside of normal business hours, the self-inspection shall be performed upon the commencement of the next business day. Any time when inspections were delayed shall be noted in the Inspection Record.

Inspect	Frequency (during normal business hours)	Inspection records must include:
(1) Rain gauge maintained in good working order	Daily	Daily rainfall amounts. If no daily rain gauge observations are made during weekend or holiday periods, and no individual-day rainfall information is available, record the cumulative rain measurement for those unattended days (and this will determine if a site inspection is needed). Days on which no rainfall occurred shall be recorded as "zero." The permittee may use another rain-monitoring device approved by the Division.
(2) E&SC Measures	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	1. Identification of the measures inspected, 2. Date and time of the inspection, 3. Name of the person performing the inspection, 4. Indication of whether the measures were operating properly, 5. Description of maintenance needs for the measure, 6. Description, evidence, and date of corrective actions taken.
(3) Stormwater discharge outfalls (SDOs)	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	1. Identification of the discharge outfalls inspected, 2. Date and time of the inspection, 3. Name of the person performing the inspection, 4. Evidence of indicators of stormwater pollution such as oil sheen, floating or suspended solids or discoloration, 5. Indication of visible sediment leaving the site, 6. Description, evidence, and date of corrective actions taken.
(4) Perimeter of site	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	If visible sedimentation is found outside site limits, then a record of the following shall be made: 1. Actions taken to clean up or stabilize the sediment that has left the site limits, 2. Description, evidence, and date of corrective actions taken, and 3. An explanation as to the actions taken to control future releases.
(5) Streams or wetlands onsite or effluve (where accessible)	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	If the stream or wetland has increased visible sedimentation or a stream channel has increased turbidity from the construction activity, then a record of the following shall be made: 1. Description, evidence and date of corrective actions taken, and 2. Records of the required reports to the appropriate Division Regional Office per Part I, Section C, Item (2)(a) of this permit of this permit.
(6) Ground stabilization measures	After each phase of grading	1. The phase of grading (installation of perimeter E&SC measures, clearing and grubbing, installation of storm drainage facilities, completion of all land-disturbing activity, construction or redevelopment, permanent ground cover). 2. Documentation that the required ground stabilization measures have been provided within the required timeframe or an assurance that they will be provided as soon as possible.

NOTE: The rain inspection resets the required 7 calendar day inspection requirement.

**PART III  
SELF-INSPECTION, RECORDKEEPING AND REPORTING**

**SECTION B: RECORDKEEPING**

**1. E&SC Plan Documentation**  
The approved E&SC plan as well as any approved deviation shall be kept on the site. The approved E&SC plan must be kept up-to-date throughout the coverage under this permit. The following items pertaining to the E&SC plan shall be documented in the manner described:

Item to Document	Documentation Requirements
(a) Each E&SC Measure has been installed and does not significantly deviate from the locations, dimensions and relative elevations shown on the approved E&SC Plan.	Initial and date each E&SC Measure on a copy of the approved E&SC Plan or complete, date and sign an inspection report that lists each E&SC Measure shown on the approved E&SC Plan. This documentation is required upon the initial installation of the E&SC Measures or if the E&SC Measures are modified after initial installation.
(b) A phase of grading has been completed.	Initial and date a copy of the approved E&SC Plan or complete, date and sign an inspection report to indicate completion of the construction phase.
(c) Ground cover is located and installed in accordance with the approved E&SC Plan.	Initial and date a copy of the approved E&SC Plan or complete, date and sign an inspection report to indicate compliance with approved ground cover specifications.
(d) The maintenance and repair requirements for all E&SC Measures have been performed.	Complete, date and sign an inspection report.
(e) Corrective actions have been taken to E&SC Measures.	Initial and date a copy of the approved E&SC Plan or complete, date and sign an inspection report to indicate the completion of the corrective action.

**2. Additional Documentation**

- In addition to the E&SC Plan documents above, the following items shall be kept on the site and available for agency inspectors at all times during normal business hours, unless the Division provides a site-specific exemption based on unique site conditions that make this requirement not practical:
- This general permit as well as the certificate of coverage, after it is received.
  - Records of inspections made during the previous 30 days. The permittee shall record the required observations on the Inspection Record Form provided by the Division or a similar inspection form that includes all the required elements. Use of electronically-available records in lieu of the required paper copies will be allowed if shown to provide equal access and utility as the hard-copy records.
  - All data used to complete the Notice of Intent and older inspection records shall be maintained for a period of three years after project completion and made available upon request. [40 CFR 122.41]

**PART III  
SELF-INSPECTION, RECORDKEEPING AND REPORTING**

**SECTION C: REPORTING**

**1. Occurrences that must be reported**

- Permittees shall report the following occurrences:
- Visible sediment deposition in a stream or wetland.
  - Oil spills if:
    - They are 25 gallons or more,
    - They are less than 25 gallons but cannot be cleaned up within 24 hours,
    - They cause sheen on surface waters (regardless of volume), or
    - They are within 100 feet of surface waters (regardless of volume).
  - Releases of hazardous substances in excess of reportable quantities under Section 311 of the Clean Water Act (Ref: 40 CFR 110.3 and 40 CFR 117.3) or Section 102 of CERCLA (Ref: 40 CFR 302.4) or G.S. 143-215.85.
  - Anticipated bypasses and unanticipated bypasses.
  - Noncompliance with the conditions of this permit that may endanger health or the environment.

**2. Reporting Timeframes and Other Requirements**

After a permittee becomes aware of an occurrence that must be reported, he shall contact the appropriate Division regional office within the timeframes and in accordance with the other requirements listed below. Occurrences outside normal business hours may also be reported to the Division's Emergency Response personnel at (800) 662-7956, (800) 858-0368 or (919) 733-3300.

Occurrence	Reporting Timeframes (After Discovery) and Other Requirements
(a) Visible sediment deposition in a stream or wetland	<ul style="list-style-type: none"><li><b>Within 24 hours</b>, an oral or electronic notification.</li><li><b>Within 7 calendar days</b>, a report that contains a description of the sediment and actions taken to address the cause of the deposition. Division staff may waive the requirement for a written report on a case-by-case basis.</li><li>If the stream is named on the <b>NC 303(d) list</b> as impaired for sediment-related causes, the permittee may be required to perform additional monitoring, inspections or apply more stringent practices if staff determine that additional requirements are needed to assure compliance with the federal or state impaired-waters conditions.</li></ul>
(b) Oil spills and release of hazardous substances per Item 1(b)(c) above	<ul style="list-style-type: none"><li><b>Within 24 hours</b>, an oral or electronic notification. The notification shall include information about the date, time, nature, volume and location of the spill or release.</li></ul>
(c) Anticipated bypasses [40 CFR 122.43(m)(3)]	<ul style="list-style-type: none"><li><b>A report at least ten days before the date of the bypass, if possible.</b> The report shall include an evaluation of the anticipated quality and effect of the bypass.</li></ul>
(d) Unanticipated bypasses [40 CFR 122.43(m)(3)]	<ul style="list-style-type: none"><li><b>Within 24 hours</b>, an oral or electronic notification.</li><li><b>Within 7 calendar days</b>, a report that includes an evaluation of the quality and effect of the bypass.</li></ul>
(e) Noncompliance with the conditions of this permit that may endanger health or the environment [40 CFR 122.41(i)(7)]	<ul style="list-style-type: none"><li><b>Within 24 hours</b>, an oral or electronic notification.</li><li><b>Within 7 calendar days</b>, a report that contains a description of the noncompliance, and its causes; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time noncompliance is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance. [40 CFR 122.41(i)(6).</li><li>Division staff may waive the requirement for a written report on a case-by-case basis.</li></ul>

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

**CITY OF WILMINGTON**  
NORTH CAROLINA  
Public Services • Engineering Division  
APPROVED STORMWATER MANAGEMENT PLAN

Date: \_\_\_\_\_ Permit #: \_\_\_\_\_  
Signed: \_\_\_\_\_

**Approved Construction Plan**

Name \_\_\_\_\_ Date \_\_\_\_\_

Planning \_\_\_\_\_  
Traffic \_\_\_\_\_  
Fire \_\_\_\_\_

**NCG01 SELF-INSPECTION, RECORDKEEPING AND REPORTING**

EFFECTIVE: 04/01/19

**REVISIONS:**

**CLIENT INFORMATION:**

**PARAMOUNT ENGINEERING, INC.**  
122 Cinema Drive  
Wilmington, North Carolina 28403  
(910) 791-6707 (O) (910) 791-6760 (F)  
NC License # - C-2846

**NPDES NCG01 NOTES**

**THE GALLERIA**  
CITY OF WILMINGTON  
NEW HANOVER CO. NORTH CAROLINA

**PROJECT STATUS**  
CONCEPTUAL LAYOUT: \_\_\_\_\_  
FINAL DESIGN: \_\_\_\_\_  
RELEASED FOR CONSTRUCTION: \_\_\_\_\_

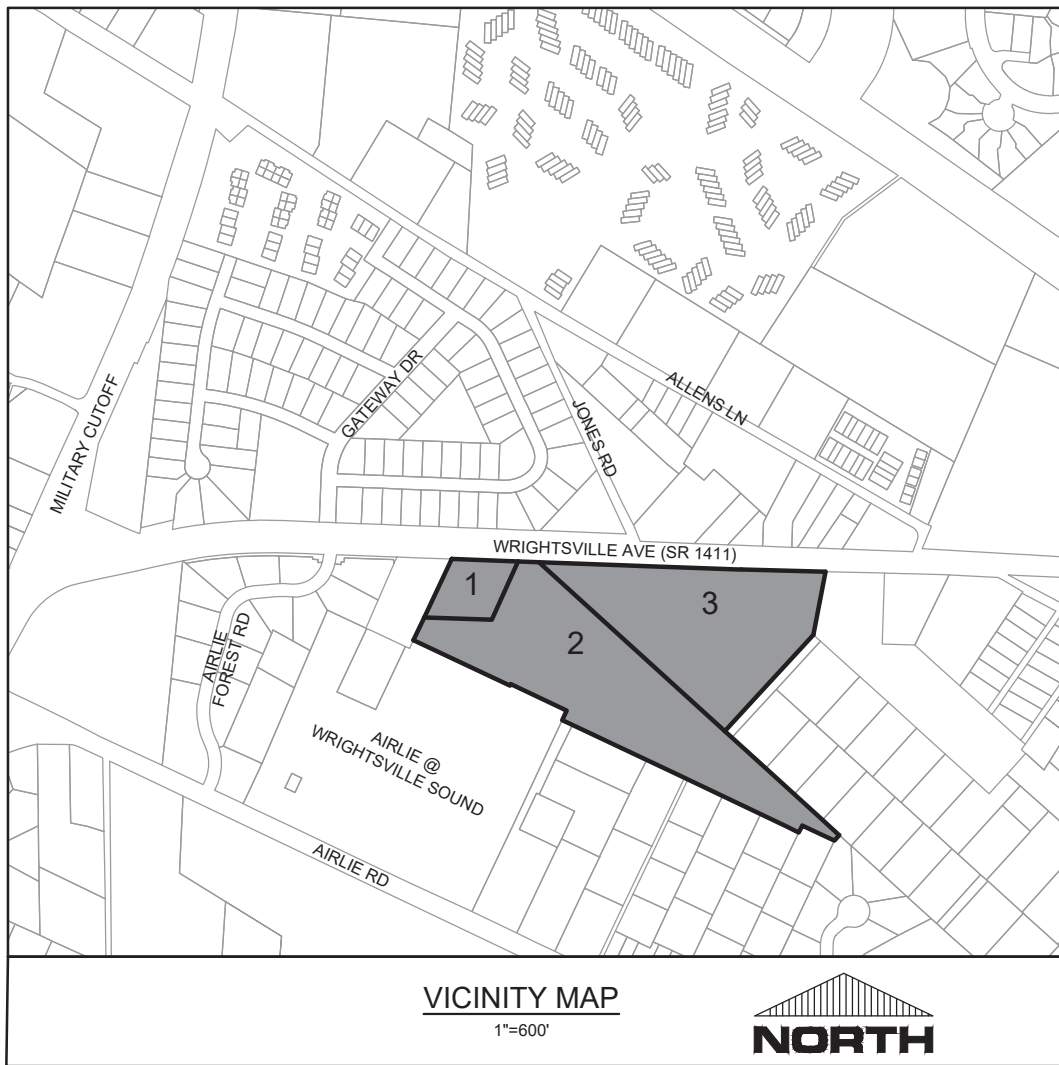
**DRAWING INFORMATION**  
DATE: 11/02/20  
SCALE: AS NOTED  
DRAWN: ASR  
CHECKED: TGC

**C-1.1**

PEI JOB#: 19351.PE

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION





#### SITE INFORMATION

PROJECT ADDRESS:

OWNER INFORMATION:  
STATE STREET-GALLERIA, LLC

TAX PARCEL ID # 1:  
TAX PARCEL ID # 2:  
TAX PARCEL ID # 3:

6800 WRIGHTSVILLE AVE  
WILMINGTON, NC 28403

PO BOX 12477  
CHARLOTTE, NC 28220

R05700-006-042-000 (6730 WRIGHTSVILLE AVE) (ABC)  
R05700-006-036-001 (6800 WRIGHTSVILLE AVE) (GALLERIA A)  
R05700-006-020-000 (6800 WRIGHTSVILLE AVE) (GALLERIA B)

#### BUILDING INFO

BUILDING INFO TO BE PROVIDED WITH FUTURE SUBMITTALS TO SECURE  
CORRESPONDING SITE PLAN APPROVAL.

#### FIRE & LIFE SAFETY NOTES:

- LANDSCAPE OR PARKING CANNOT BLOCK OR IMPEDE FIRE HYDRANTS. A 3-FOOT CLEAR SPACE SHALL BE MAINTAINED AROUND THE CIRCUMFERENCE OF HYDRANTS.
- ADDITIONAL FIRE PROTECTION AND/OR ACCESSIBILITY REQUIREMENTS MAY BE REQUIRED DUE TO ANY SPECIAL CIRCUMSTANCES CONCERNING THE PROJECT.

#### ZONING

CURRENT ZONING:  
EXISTING USE:  
PROPOSED USE:  
TOTAL SITE AREA:

UMX - URBAN MIXED-USE GENERAL DISTRICT  
VACANT RETAIL STORE AND VACANT PARCELS  
MIXED-USE  
13.88 ACRES

#### FLOOD INFORMATION:

CAMA LAND USE CLASSIFICATION:  
SPECIAL HIGHWAY OVERLAY DISTRICT:

THESE PARCELS ARE NOT LOCATED IN A SPECIAL FLOOD HAZARD AREA AS  
DETERMINED BY FEMA FLOOD PANEL 3720315700K, DATED AUGUST 28, 2018  
URBAN  
NA

#### SITE PARKING

MINIMUM PARKING REQUIRED:  
MAXIMUM PARKING REQUIRED:  
TOTAL PARKING PROVIDED:

NONE  
NONE  
22 - PARALLEL ON-STREET

HANDICAP PARKING WILL BE PROVIDED WITHIN ACTUAL BUILDING DESIGN PLANS AND  
NOT ON-STREET; BICYCLE PARKING WILL BE PROVIDED AS WELL ONCE THE BUILDING  
SQUARE FOOTAGES ARE DETERMINED.

ALL COMPONENTS OF FUTURE STREET IMPROVEMENTS TO BE POSITIONED  
IN RIGHT-OF-WAY

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

#### Approved Construction Plan

Name	Date
Planning	
Traffic	
Fire	

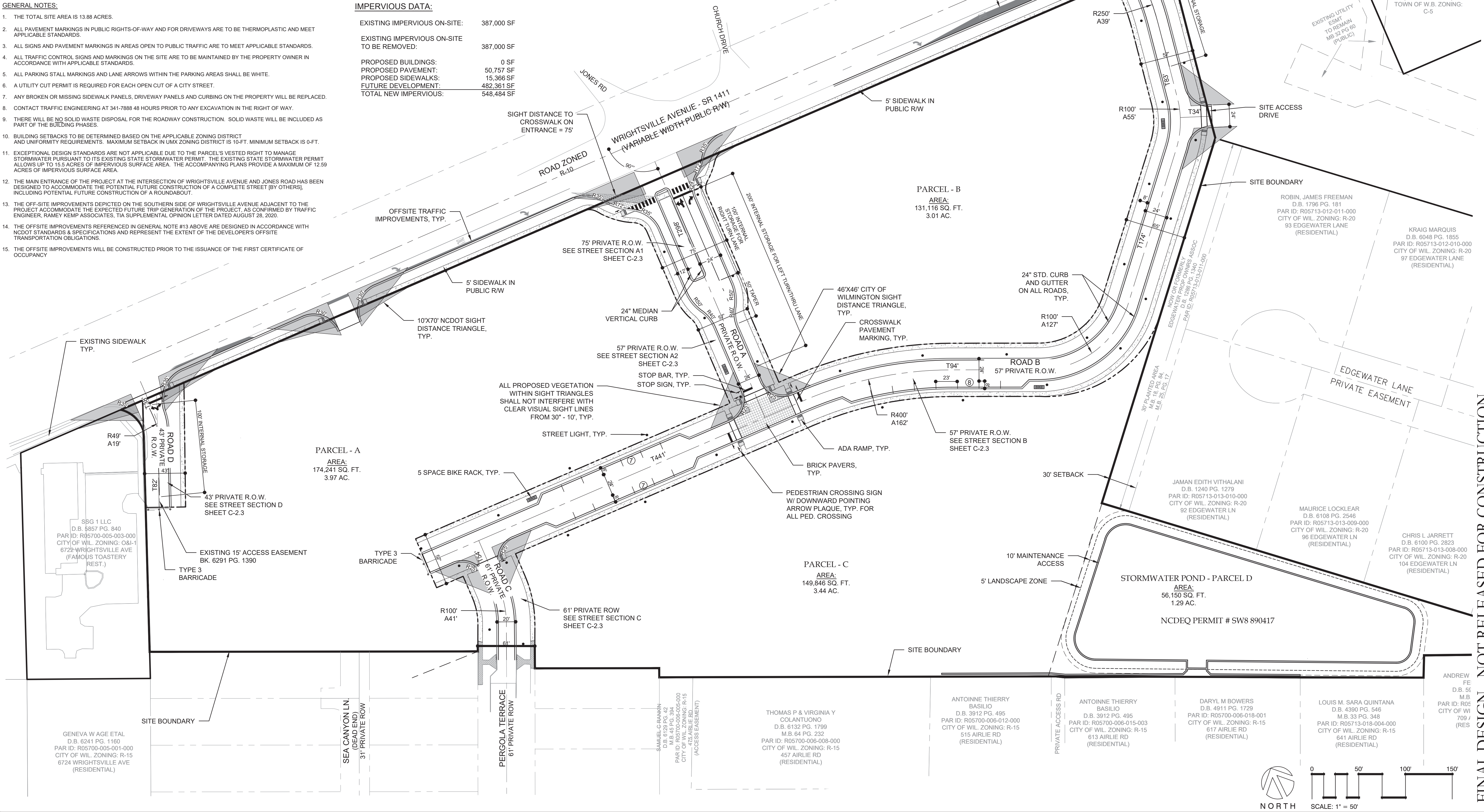
CITY OF WILMINGTON NORTH CAROLINA Public Services • Engineering Division	
APPROVED STORMWATER MANAGEMENT PLAN	
Date:	Permit #
Signed:	

#### GENERAL NOTES:

- THE TOTAL SITE AREA IS 13.88 ACRES.
- ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET APPLICABLE STANDARDS.
- ALL SIGNS AND PAVEMENT MARKINGS IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET APPLICABLE STANDARDS.
- ALL TRAFFIC CONTROL SIGNS AND MARKINGS ON THE SITE ARE TO BE MAINTAINED BY THE PROPERTY OWNER IN ACCORDANCE WITH APPLICABLE STANDARDS.
- ALL PARKING STALL MARKINGS AND LANE ARROWS WITHIN THE PARKING AREAS SHALL BE WHITE.
- A UTILITY CUT PERMIT IS REQUIRED FOR EACH OPEN CUT OF A CITY STREET.
- ANY BROKEN OR MISSING SIDEWALK PANELS, DRIVEWAY PANELS AND CURBING ON THE PROPERTY WILL BE REPLACED.
- CONTACT TRAFFIC ENGINEERING AT 341-7888 48 HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT OF WAY.
- THERE WILL BE NO SOLID WASTE DISPOSAL FOR THE ROADWAY CONSTRUCTION. SOLID WASTE WILL BE INCLUDED AS PART OF THE BUILDING PHASES.
- BUILDING SETBACKS TO BE DETERMINED BASED ON THE APPLICABLE ZONING DISTRICT AND UNIFORMITY REQUIREMENTS. MAXIMUM SETBACK IN UMX ZONING DISTRICT IS 10-FT. MINIMUM SETBACK IS 0-FT.
- EXCEPTIONAL DESIGN STANDARDS ARE NOT APPLICABLE DUE TO THE PARCEL'S VESTED RIGHT TO MANAGE STORMWATER PURSUANT TO ITS EXISTING STATE STORMWATER PERMIT. THE EXISTING STATE STORMWATER PERMIT ALLOWS UP TO 15.5 ACRES OF IMPERVIOUS SURFACE AREA. THE ACCOMPANYING PLANS PROVIDE A MAXIMUM OF 12.59 ACRES OF IMPERVIOUS SURFACE AREA.
- THE MAIN ENTRANCE OF THE PROJECT AT THE INTERSECTION OF WRIGHTSVILLE AVENUE AND JONES ROAD HAS BEEN DESIGNED TO ACCOMMODATE THE POTENTIAL FUTURE CONSTRUCTION OF A COMPLETE STREET (BY OTHERS), INCLUDING POTENTIAL FUTURE CONSTRUCTION OF A ROUNDABOUT.
- THE OFF-SITE IMPROVEMENTS DEPICTED ON THE SOUTHERN SIDE OF WRIGHTSVILLE AVENUE ADJACENT TO THE PROJECT ACCOMMODATE THE EXPECTED FUTURE TRIP GENERATION OF THE PROJECT, AS CONFIRMED BY TRAFFIC ENGINEER, RAMEY KEMP ASSOCIATES, TIA SUPPLEMENTAL OPINION LETTER DATED AUGUST 28, 2020.
- THE OFFSITE IMPROVEMENTS REFERENCED IN GENERAL NOTE #13 ABOVE ARE DESIGNED IN ACCORDANCE WITH NCDOT STANDARDS & SPECIFICATIONS AND REPRESENT THE EXTENT OF THE DEVELOPER'S OFFSITE TRANSPORTATION OBLIGATIONS.
- THE OFFSITE IMPROVEMENTS WILL BE CONSTRUCTED PRIOR TO THE ISSUANCE OF THE FIRST CERTIFICATE OF OCCUPANCY.

#### IMPERVIOUS DATA:

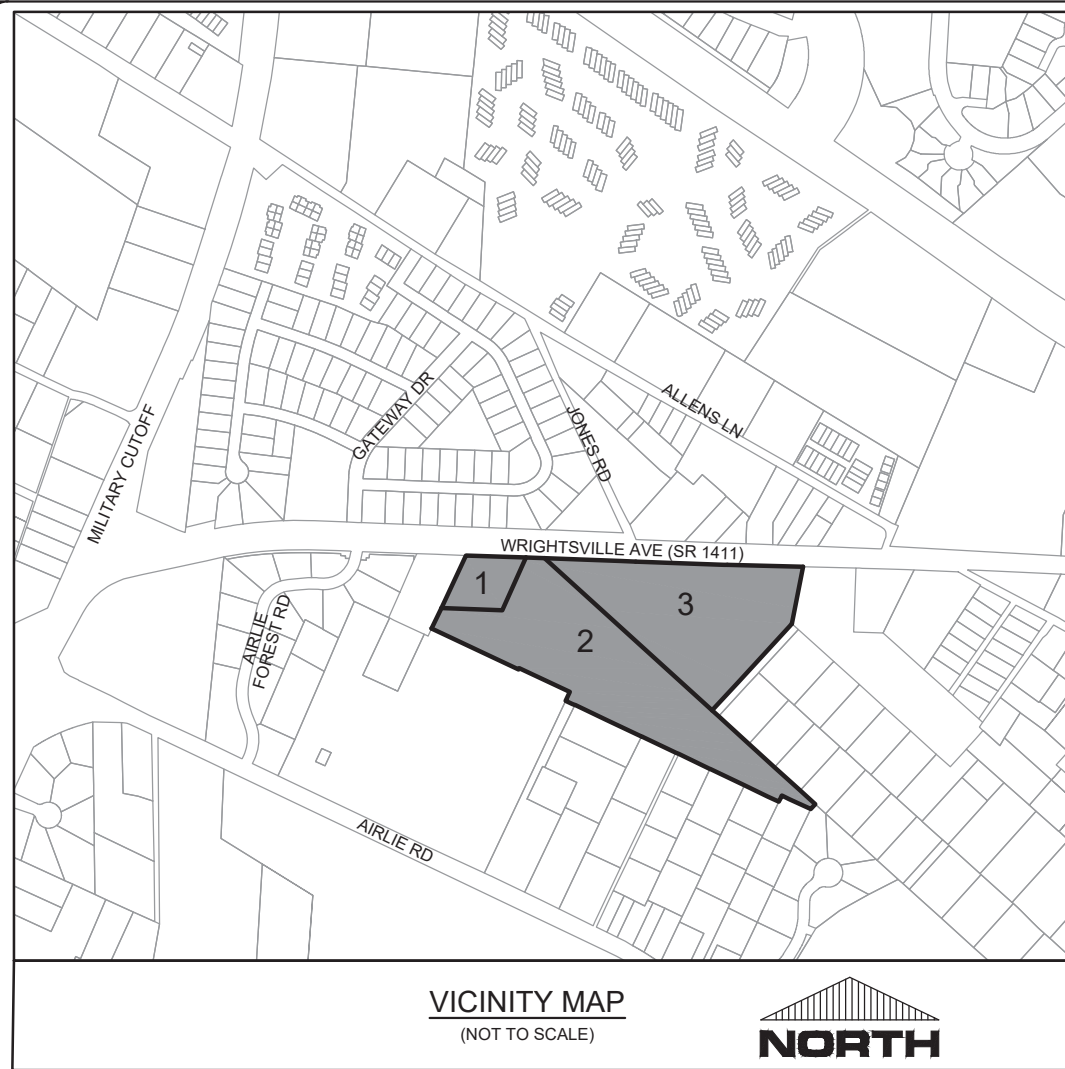
EXISTING IMPERVIOUS ON-SITE:	387,000 SF
EXISTING IMPERVIOUS ON-SITE TO BE REMOVED:	387,000 SF
PROPOSED BUILDINGS:	0 SF
PROPOSED PAVEMENT:	50,757 SF
PROPOSED SIDEWALKS:	15,366 SF
FUTURE DEVELOPMENT:	482,361 SF
TOTAL NEW IMPERVIOUS:	548,484 SF



FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:	CLIENT INFORMATION:	OVERALL SITE PLAN	PROJECT STATUS: CONCEPT LAYOUT: FINAL DESIGN: RELEASED FOR CONSTRUCTION:
	STATE STREET-GALLERIA, LLC PO BOX 12477 CHARLOTTE, NC 28220	THE GALLERIA CITY OF WILMINGTON NEW HANOVER CO. NORTH CAROLINA	9/20/19 9/20/19
	PARAMOUNT ENGINEERING, INC. 122 Cinema Drive Wilmington, North Carolina 28403 (910) 791-6707 (O) (910) 791-6760 (F) NC License # C-2846		DRAWING INFORMATION: DATE: 11/02/20 SCALE: 1" = 50' DRAWN: ASR CHECKED: TGC
			PEI JOB#: 19351.PE





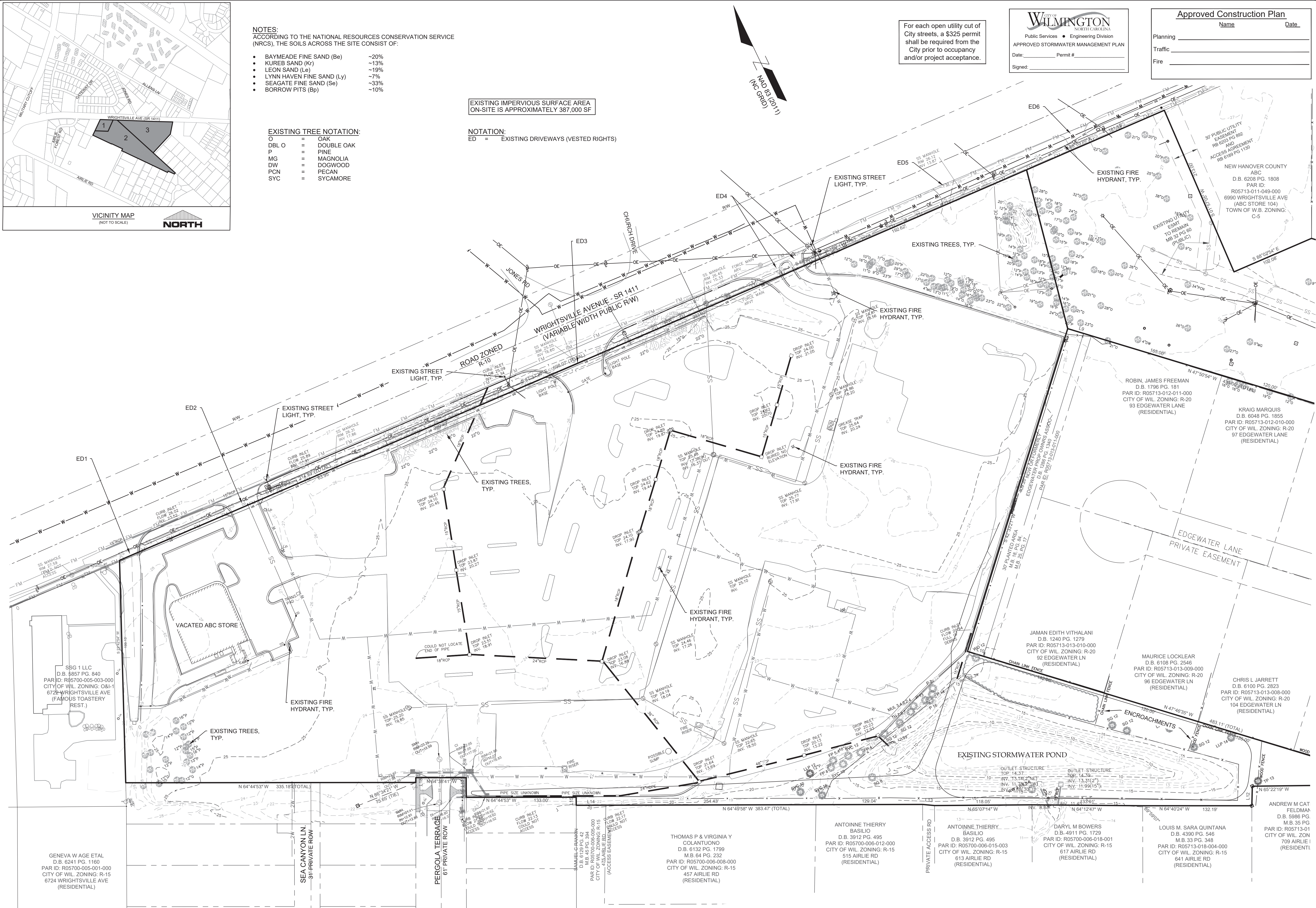
NOTES:  
ACCORDING TO THE NATIONAL RESOURCES CONSERVATION SERVICE (NRCS), THE SOILS ACROSS THE SITE CONSIST OF:

- BAYMEADE FINE SAND (Be) ~20%
- KUREB SAND (Kr) ~13%
- LEON SAND (Le) ~19%
- LYNN HAVEN FINE SAND (Ly) ~7%
- SEAGATE FINE SAND (Se) ~33%
- BORROW PITS (Bp) ~10%

EXISTING TREE NOTATION:  
O = OAK  
DBL O = DOUBLE OAK  
P = PINE  
MG = MAGNOLIA  
DW = DOGWOOD  
PCN = PECAN  
SYC = SYCAMORE

EXISTING IMPERVIOUS SURFACE AREA  
ON-SITE IS APPROXIMATELY 387,000 SF

NOTATION:  
ED = EXISTING DRIVEWAYS (VESTED RIGHTS)



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

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

Approved Construction Plan

Name \_\_\_\_\_ Date \_\_\_\_\_  
Planning \_\_\_\_\_  
Traffic \_\_\_\_\_  
Fire \_\_\_\_\_

REVISIONS:

CLIENT INFORMATION:

PARAMOUNT ENGINEERING, INC.  
122 Cinema Drive  
Wilmington, North Carolina 28413  
(910) 791-6707 (O) (910) 791-6760 (F)  
NC License # C-2846

SITE INVENTORY PLAN

THE GALLERIA  
CITY OF WILMINGTON  
NEW HANOVER CO. NORTH CAROLINA

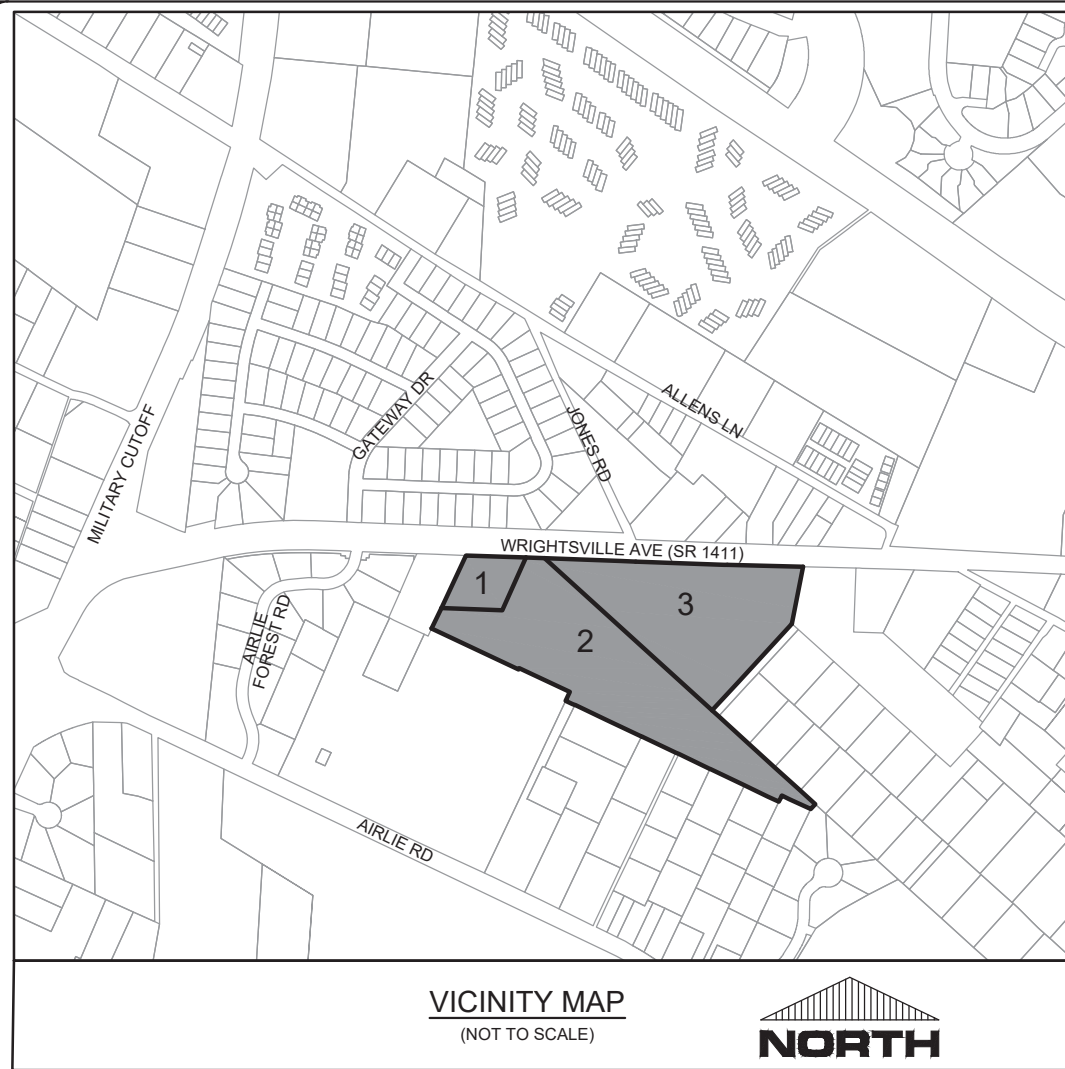
PROJECT STATUS  
CONCEPT LAYOUT:  
FINAL DESIGN: 08/15/19  
RELEASED FOR CONSTRUCTION: 08/15/19

DRAWING INFORMATION  
DATE: 11/02/20  
SCALE: 1" = 50'  
DRAWN: ASR  
CHECKED: TCC

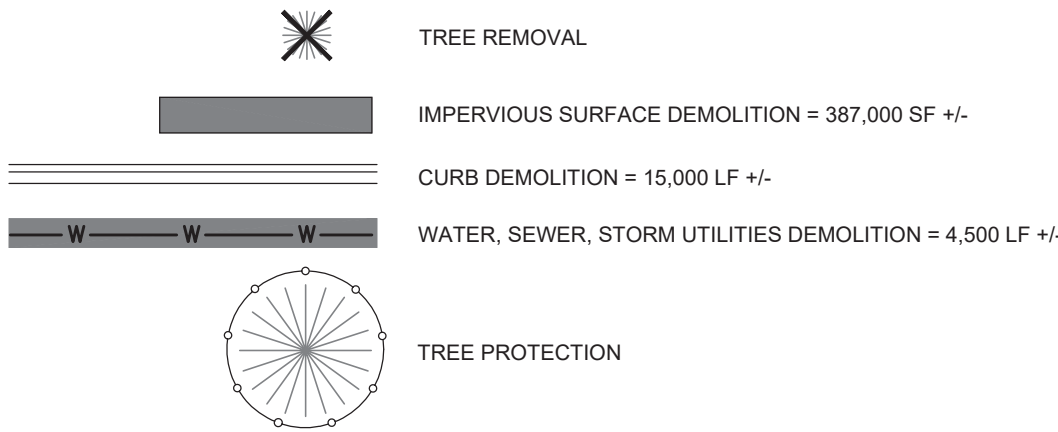
PEI JOB#: 19351.PE

C-2.1





DEMOLITION SCHEDULE:



(4) EXISTING 12-18" LIVE OAKS TO BE REMOVED TO ALLOW FOR SIDEWALK CONSTRUCTION OF WRIGHTSVILLE AVE PROJECT.

(3) EXISTING 12-18" LAUREL OAKS TO BE REMOVED ALLOW FOR SIDEWALK CONSTRUCTION OF WRIGHTSVILLE AVE PROJECT.

WRIGHTSVILLE AVENUE - SR 1411  
(VARIABLE WIDTH PUBLIC RW)

ISLANDS TO BE REMOVED

UTILITIES TO BE REMOVED

STORM DRAIN TO BE REMOVED

CURBS TO BE REMOVED

VACATED ABC STORE

TREE PROTECTION [TYPICAL]

EXISTING HYDRANT TO REMAIN

TREES TO BE REMOVED [TYPICAL]

Approved Construction Plan

Name \_\_\_\_\_ Date \_\_\_\_\_

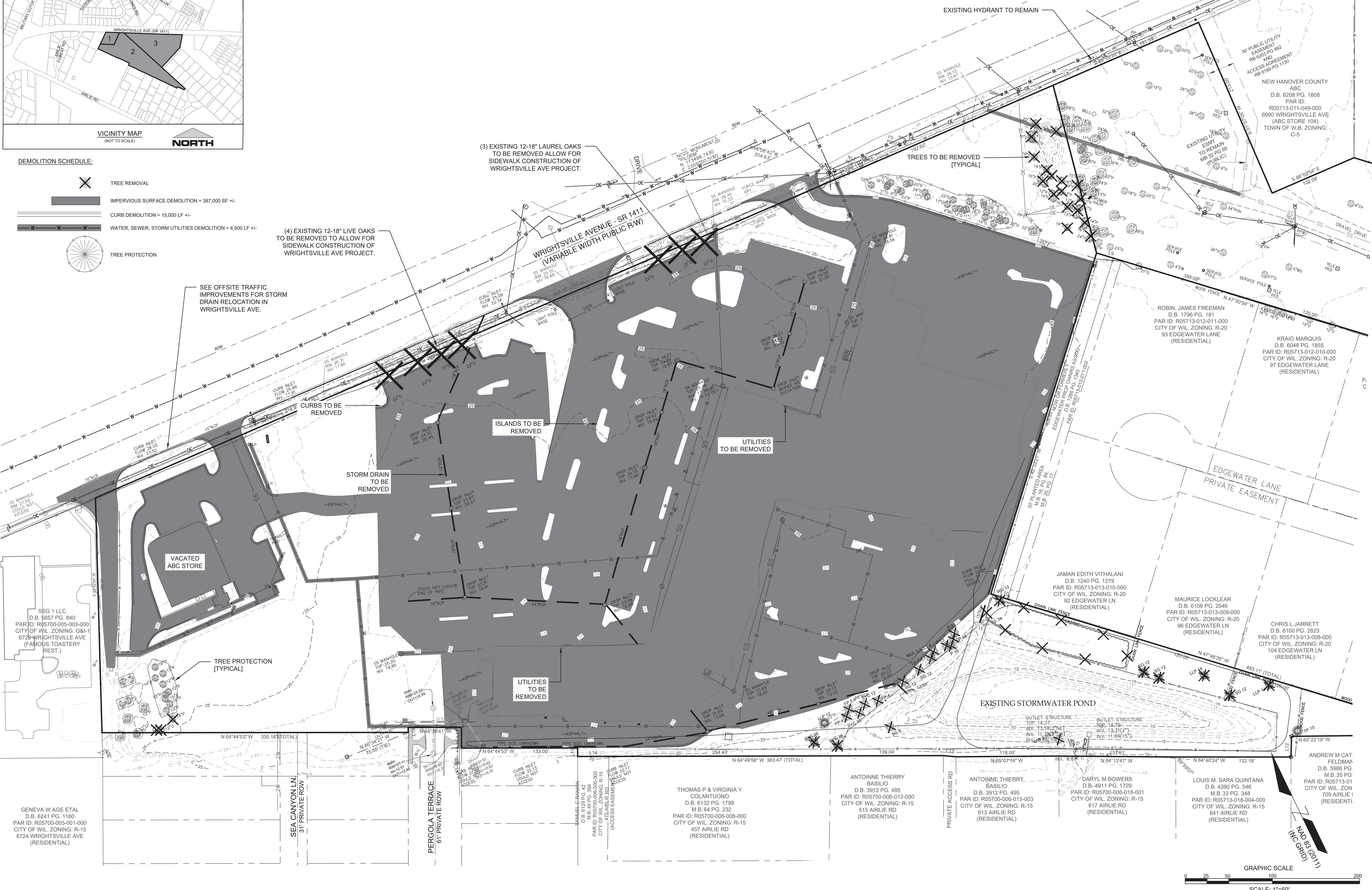
Planning \_\_\_\_\_

Traffic \_\_\_\_\_

Fire \_\_\_\_\_

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

WILMINGTON  
Public Services • Engineering Division  
APPROVED STORMWATER MANAGEMENT PLAN  
Date: \_\_\_\_\_ Permit #: \_\_\_\_\_  
Signed: \_\_\_\_\_



REVISIONS:

CLIENT INFORMATION:

STATE STREET-GALLERIA, LLC  
PO BOX 12477  
CHARLOTTE, NC 28220

PARAMOUNT ENGINEERING, INC.

122 Cinema Drive  
Wilmington, North Carolina 28403  
(910) 791-6707 (O) (910) 791-6700 (F)  
N.C. License # C-2846

DEMOLITION PLAN

THE GALLERIA  
CITY OF WILMINGTON  
NEW HANOVER CO. NORTH CAROLINA

PROJECT STATUS:

8/20/19  
CONCEPT LAYOUT: 8/20/19  
FINAL DESIGN: 8/20/19  
RELEASED FOR CONSTRUCTION: 8/20/19

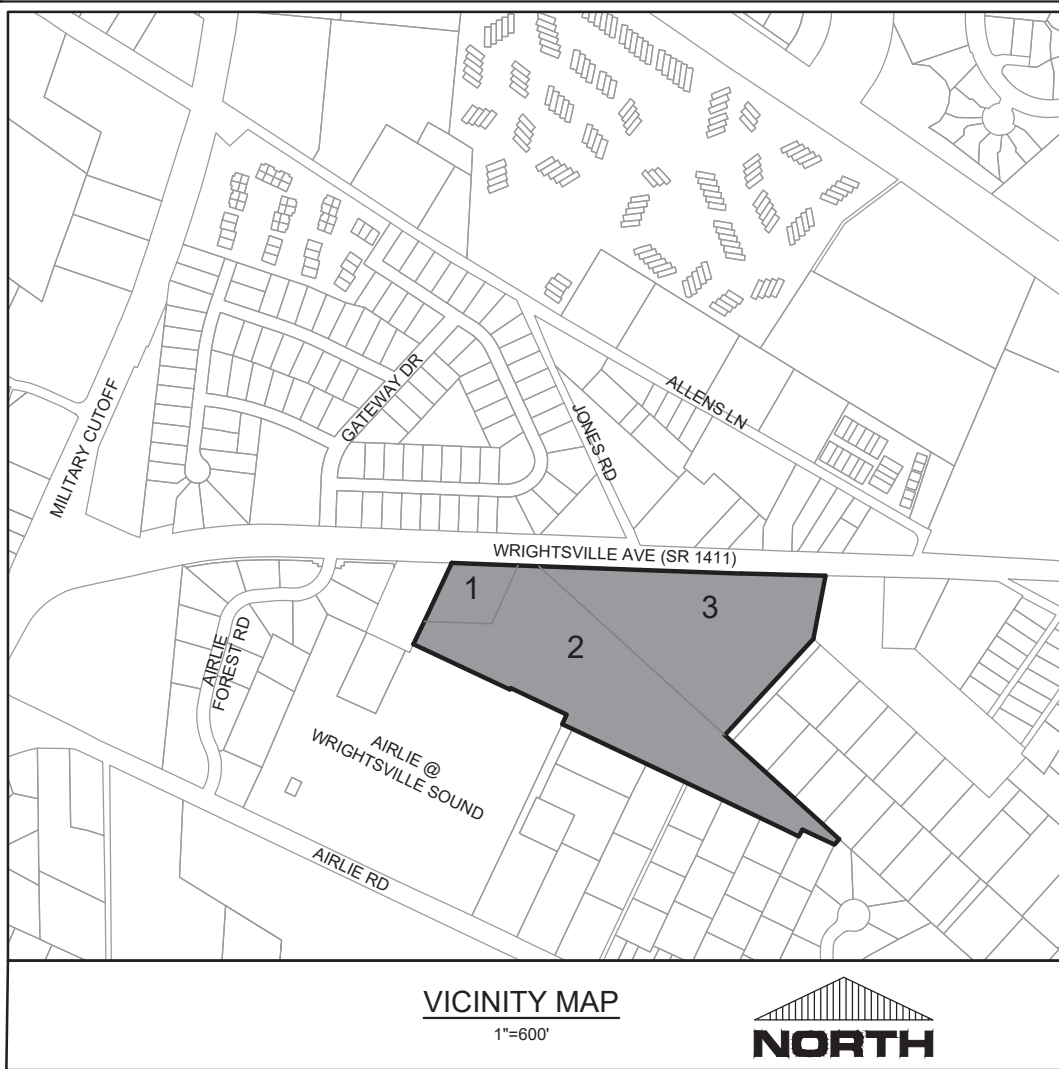
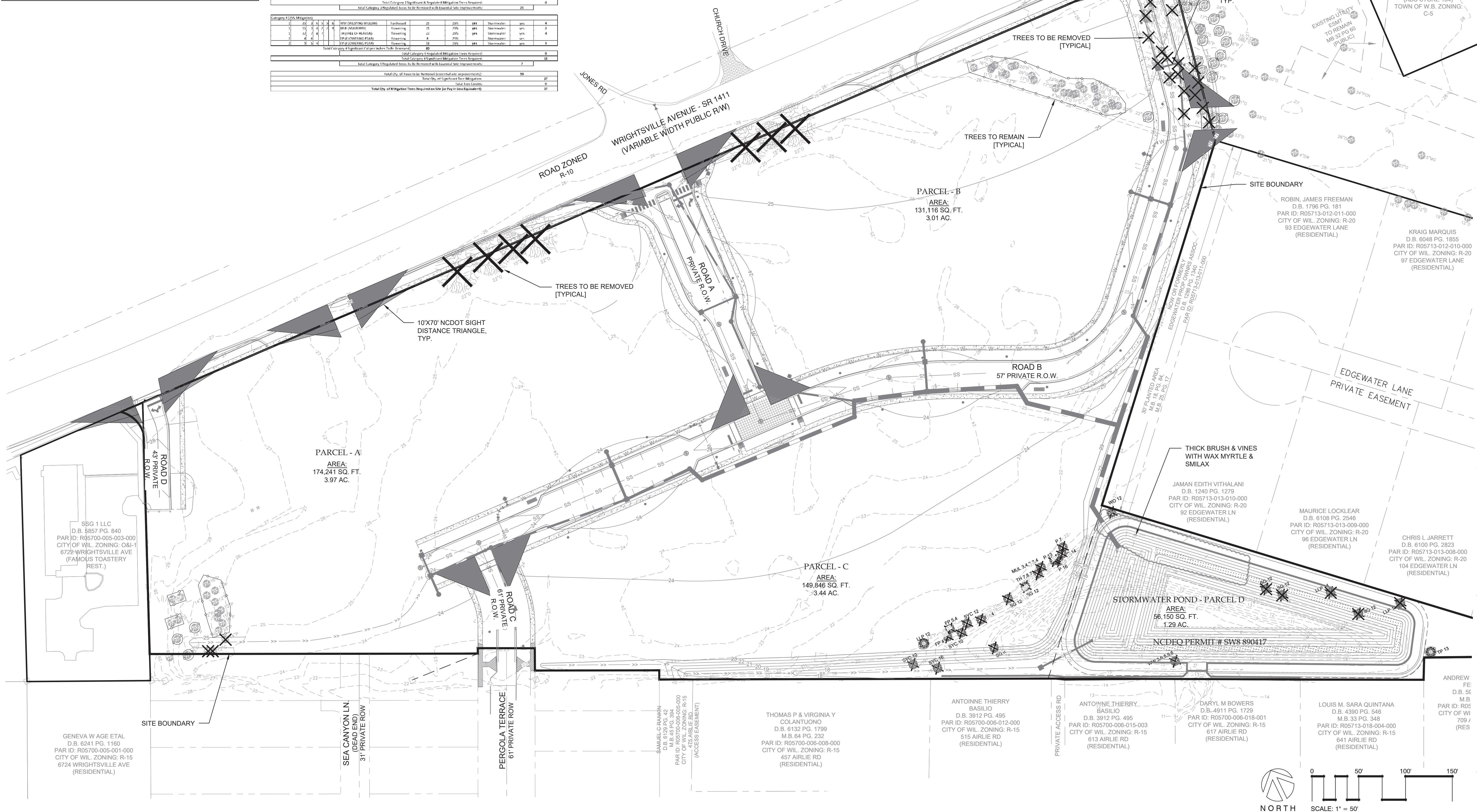
DRAWING INFORMATION:

DATE: 11/02/20  
SCALE: 1" = 50'  
DRAWN: ASR  
CHECKED: TCC

C-2.2A

PEI JOB#: 19351.PE



[illegible]

**EXISTING TREE NOTATION:**

FP	=	FLOWERING PEAR
O	=	OAK
DBL O	=	DOUBLE OAK
P	=	LOBLOLLY PINE
MG	=	MAGNOLIA
DW	=	DOGWOOD
LLP	=	LONGLEAF PINE
LO	=	LIVE OAK
PCN	=	PECAN
SG	=	SWEET GUM
SYC	=	SYCAMORE
TH	=	TREE OF HEAVEN
TP	=	TULIP POPLAR
WO	=	WATER OAK
WW	=	WEeping willow

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

Approved Construction Plan

Name \_\_\_\_\_ Date \_\_\_\_\_

Planning \_\_\_\_\_

Traffic \_\_\_\_\_

Fire \_\_\_\_\_

  
CITY OF  
**WILMINGTON**  
NORTH CAROLINA

Public Services • Engineering Division

**APPROVED STORMWATER MANAGEMENT PLAN**

Date: \_\_\_\_\_ Permit # \_\_\_\_\_

Signed: \_\_\_\_\_

REVISIONS:

**CLIENT INFORMATION:**

PARAMOUNT®

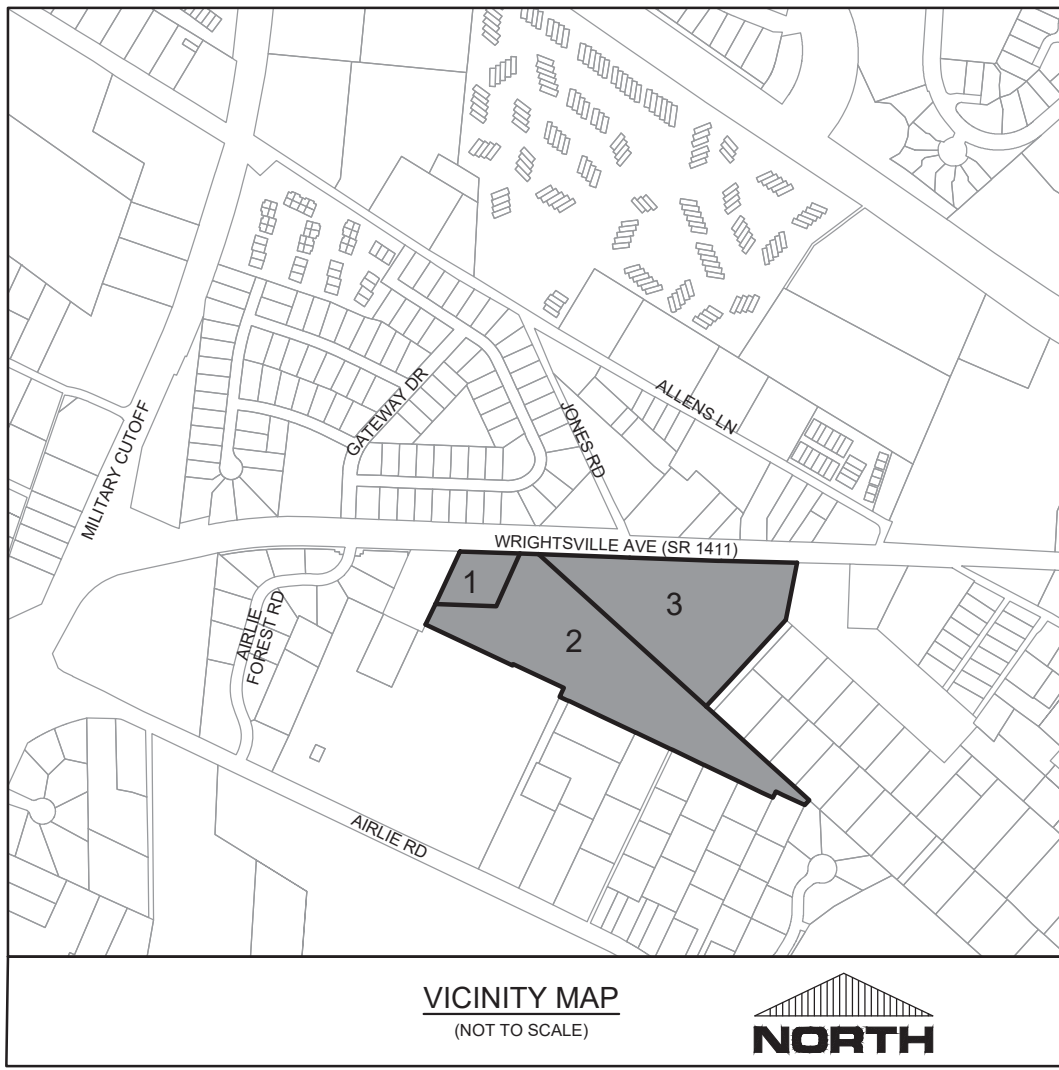
## TREE REMOVAL PLAN

THE GALLERIA  
CITY OF WILMINGTON  
NEW HANOVER CO. NORTH CAROLINA

PROJECT STATUS	
CONCEPTUAL LAYOUT:	8/30/19
PRELIMINARY LAYOUT:	9/18/19
FINAL DESIGN:	

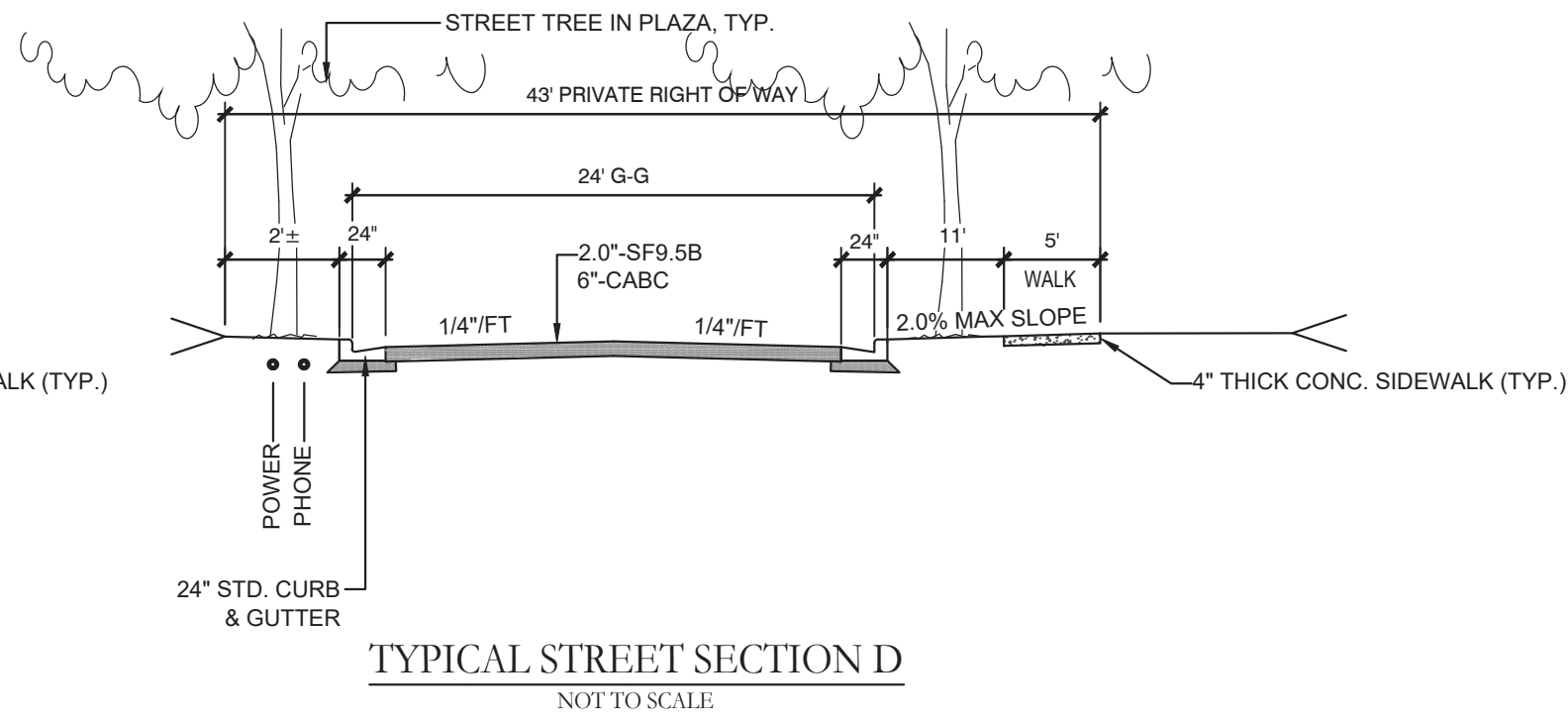
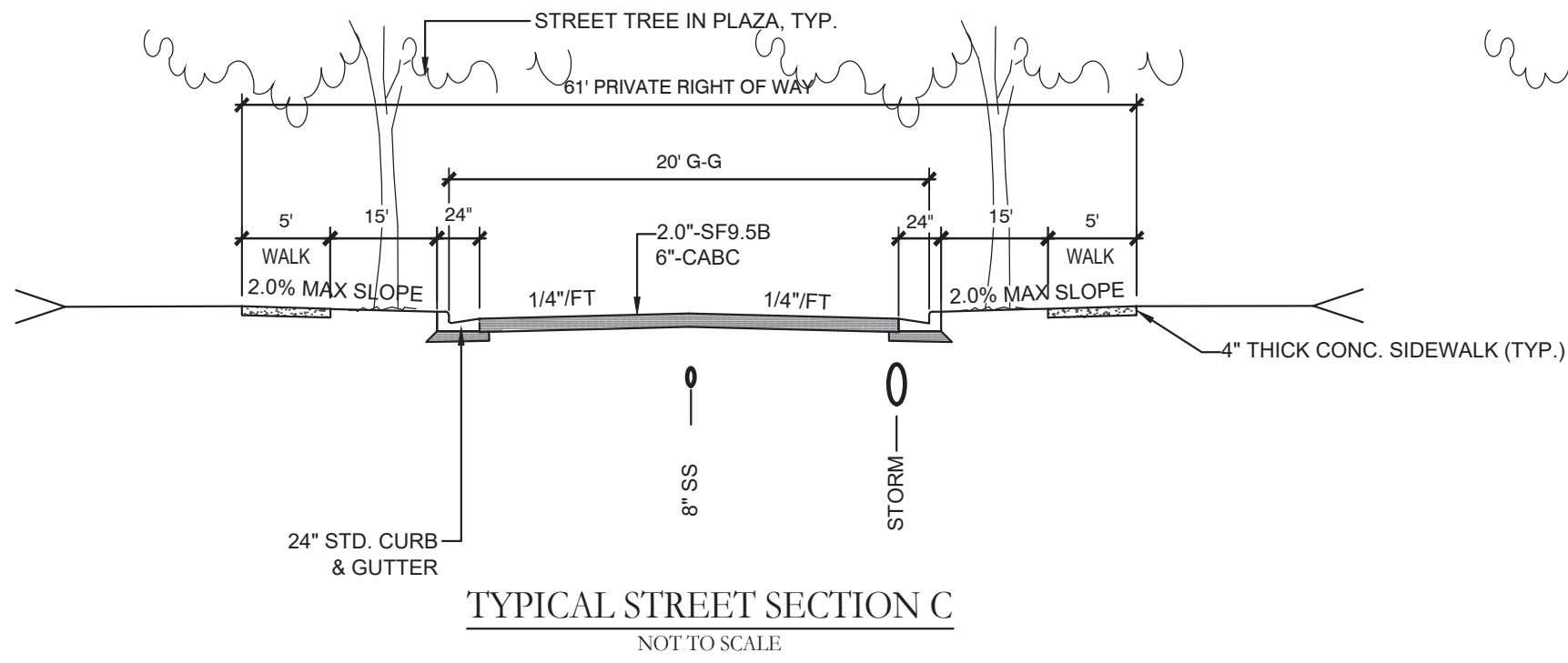
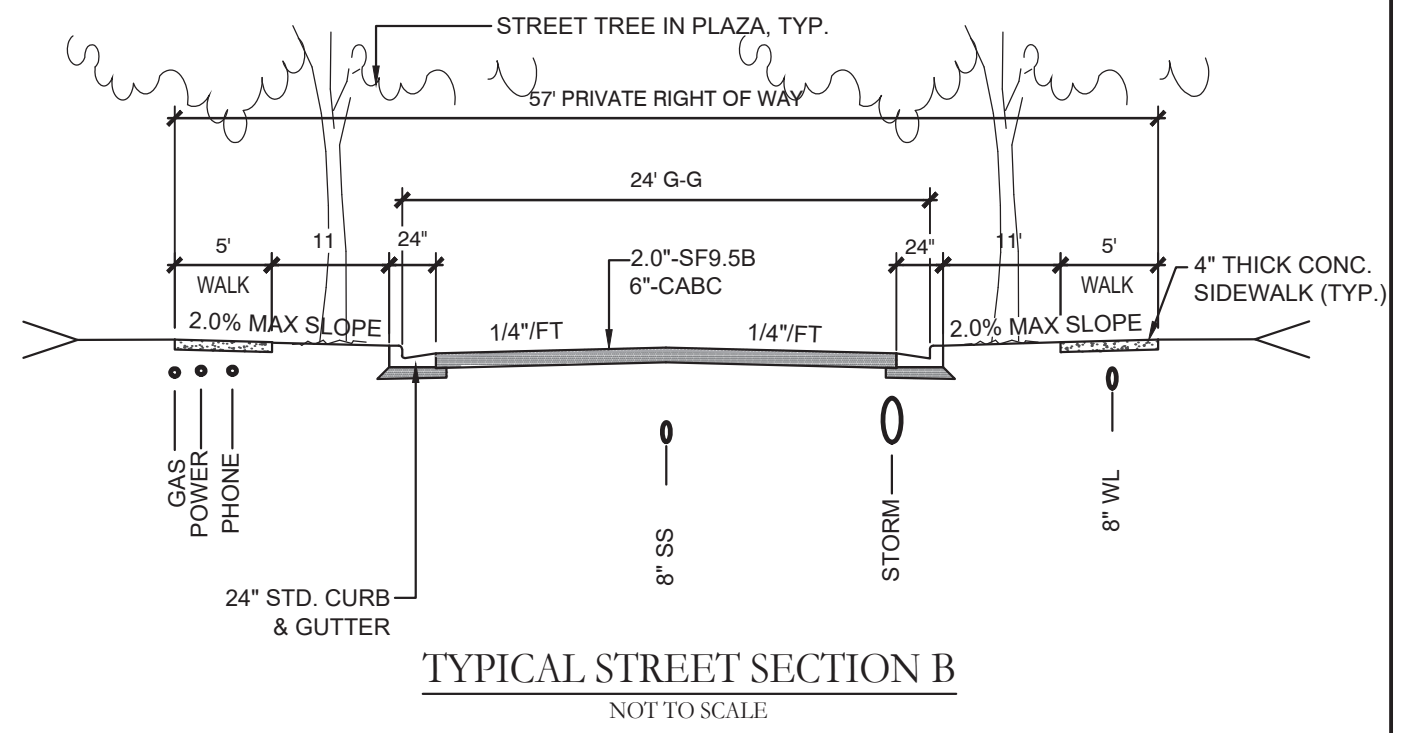
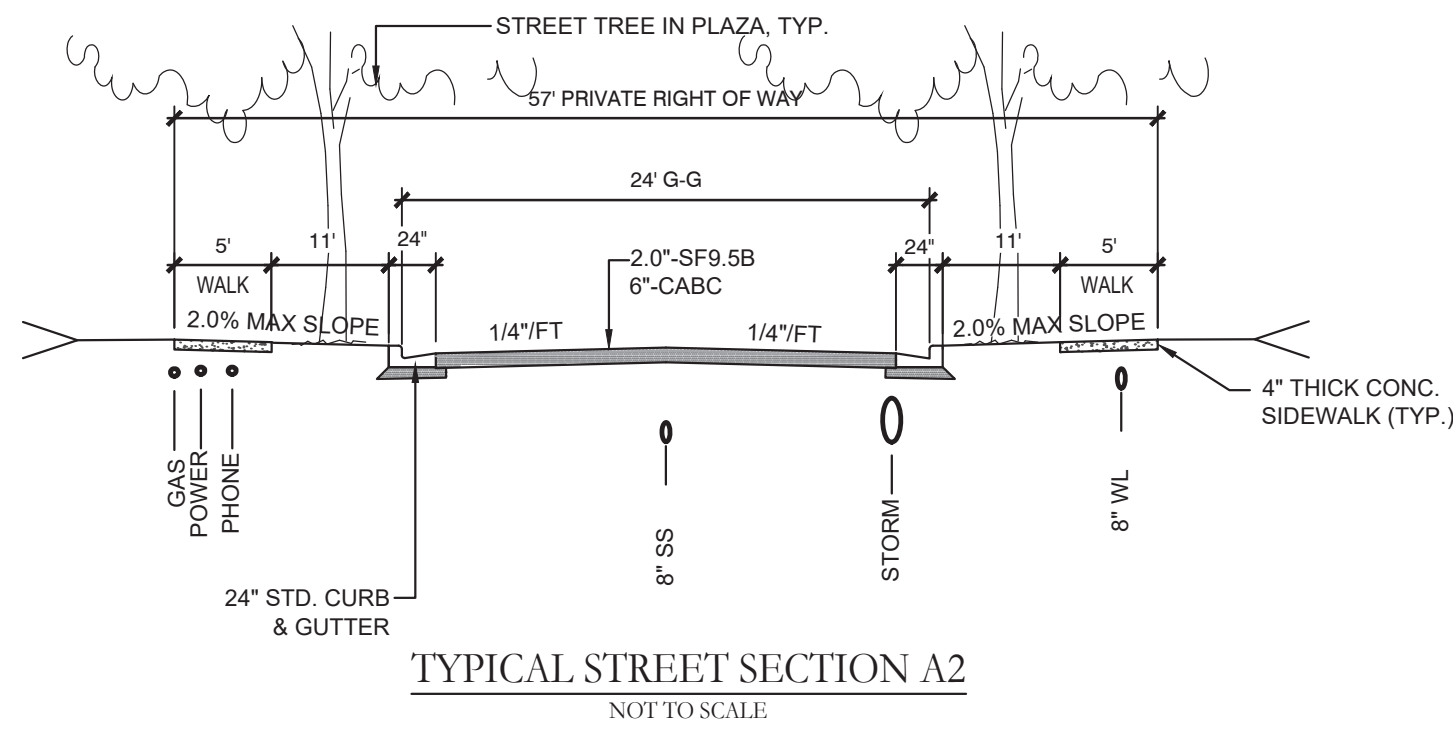
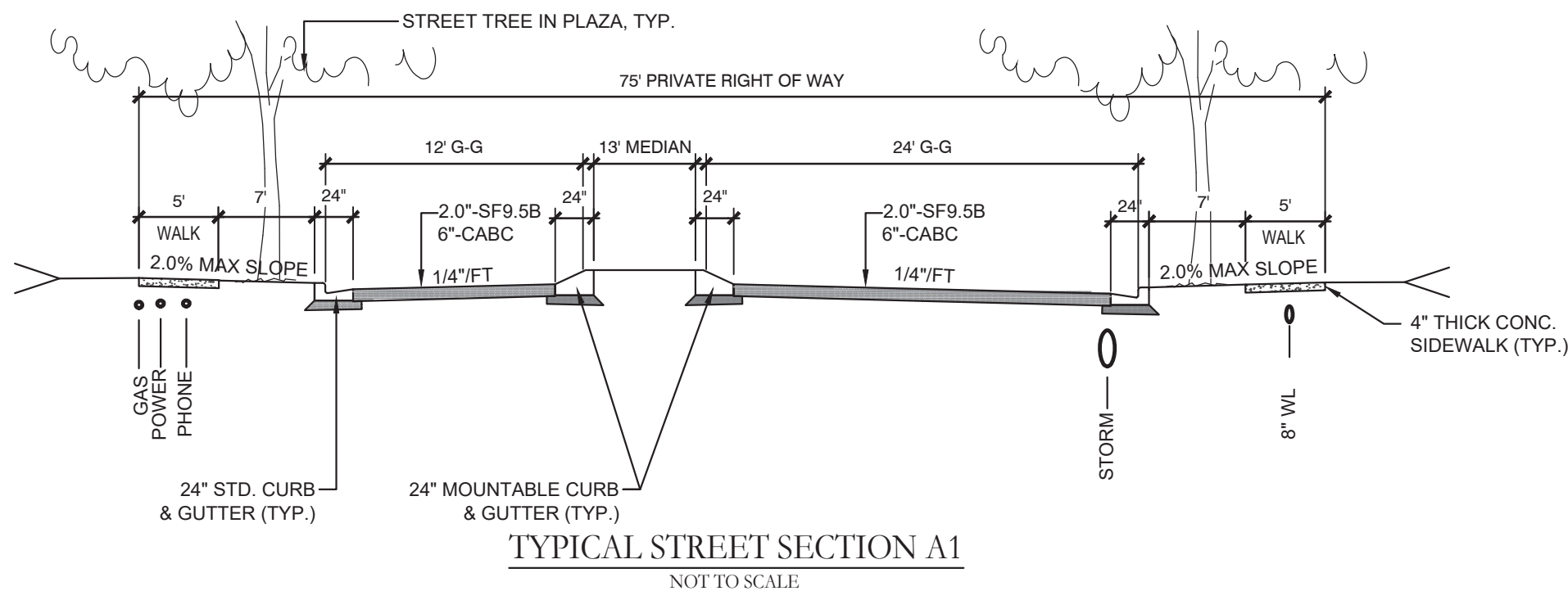
FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION





GENERAL ONSITE TRANSPORTATION NOTES:

- SEE TYPICAL INTERNAL STREET CROSS-SECTIONS FOR INTERNAL STREETS "A1", "A2", "B", "C", & "D".
- PERMANENT ACCESS POINTS FOR THE PROJECT ARE IDENTIFIED ON THE PLANS AS EXISTING ACCESS POINT, AP1, AP2, AND AP3.
- THE ACCESS POINTS WILL BE CONSTRUCTED IN THIS PHASE OF DEVELOPMENT, IF APPLICABLE. THE DEVELOPER MAY CHOOSE TO CLOSE THE ACCESS POINTS TO BE ABANDONED DURING THIS OR A FUTURE PHASE OF CONSTRUCTION.
- THE FOLLOWING CITY OF WILMINGTON TECHNICAL STANDARDS HAVE BEEN GRANTED CONDITIONAL VARIANCES (PER SRB FILE NO: SRB-6-620) AS PART OF THIS PROJECT'S CITY OF WILMINGTON PERMIT DOCUMENTATION:
  - HORIZONTAL CENTERLINE RADIUS
  - RADIUS OF ROADWAY EDGE AT CORNERS
  - STREET WIDTHS / RIGHT-OF-WAY WIDTHS
  - 500' / 800' RULE
  - DISTANCE BETWEEN CENTERLINE OF INTERSECTIONS (400' MIN.)
  - PROPERTY LINE OFFSET FOR DRIVEWAYS ALONG A MAJOR THOROUGHFARE
  - ALLOWING A MULTI-FAMILY DEVELOPMENT WHICH CONTAINS 50 OR MORE UNITS OR HAS A PRINCIPAL STRUCTURE MORE THAN 500 FEET AWAY FROM ANY EXISTING PUBLIC STREETS TO NOT REQUIRE A PUBLIC STREET OR STREETS
  - TANGENT LENGTHS BETWEEN HORIZONTAL CURVES (100')
  - 10' NON-MUNICIPAL EASEMENTS
  - 6.5' PROPERTY LINE OFFSET
  - 250' SEPARATION BETWEEN DRIVEWAYS
  - 10' MAINTENANCE ACCESS & 5' LANDSCAPE ZONE AROUND POND



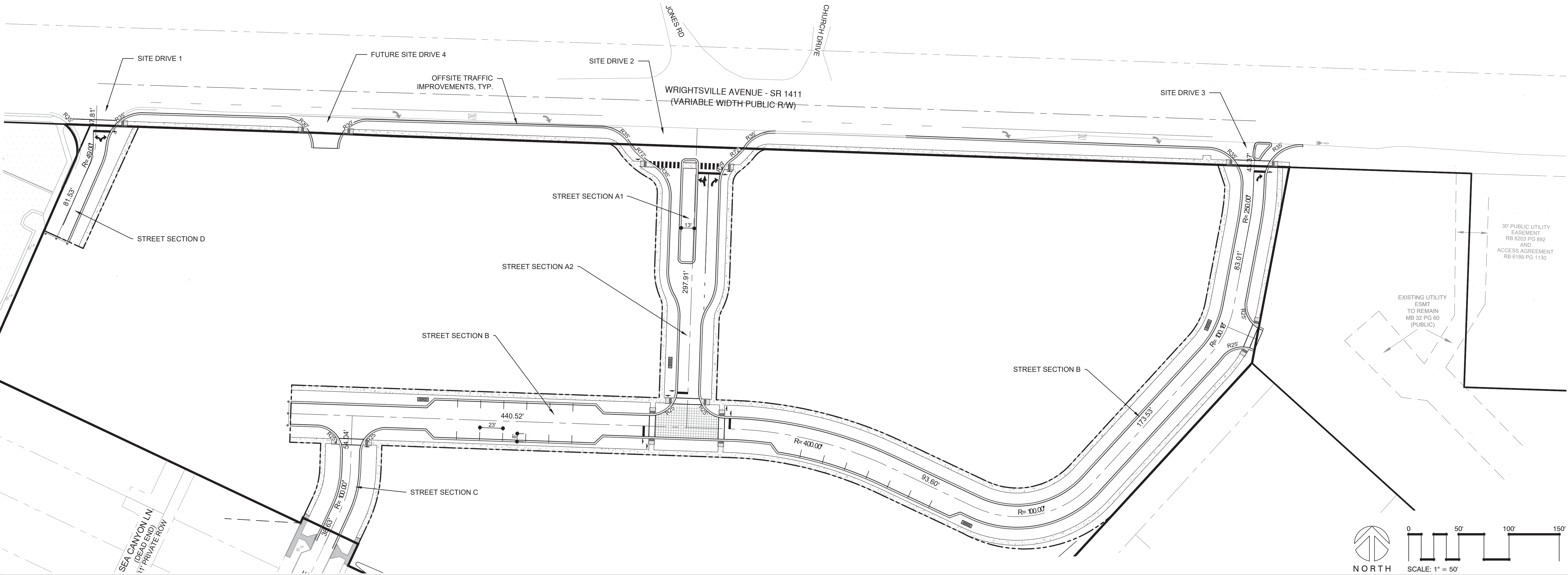
Approved Construction Plan

Name	Date
Planning	
Traffic	
Fire	

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

Date: \_\_\_\_\_ Permit # \_\_\_\_\_  
Signed: \_\_\_\_\_

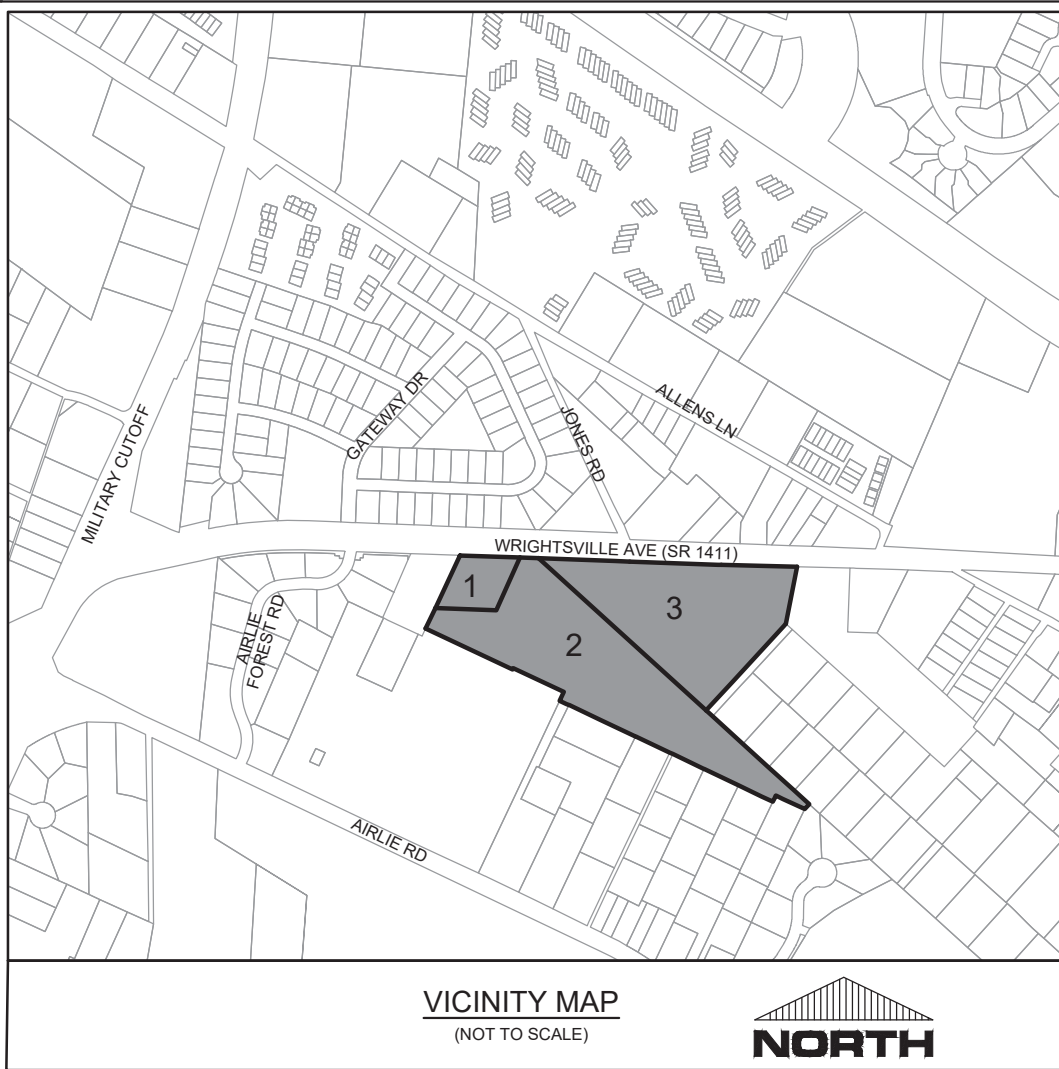
For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.



FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:	CLIENT INFORMATION:	STATE STREET-GALLERIA, LLC PO BOX 12477 CHARLOTTE, NC 28220
	PARAMOUNT ENGINEERING, INC. 122 Cinema Drive Wilmington, North Carolina 28403 (910) 791-6707 (O) (910) 791-6760 (F) NC License # C-2846	
PROJECT STATUS: CONCEPT LAYOUT: 8/26/19 FINAL DESIGN: 9/18/19 RELEASED FOR CONSTRUCTION: 10/02/20	DRAWING INFORMATION: DATE: 10/02/20 SCALE: 1" = 50' DRAWN: ASR CHECKED: TGC	THE GALLERIA CITY OF WILMINGTON NEW HANOVER CO. NORTH CAROLINA
C-2.3A		
PEI JOB#: 19351.PE		





**Approved Construction Plan**

Name \_\_\_\_\_ Date \_\_\_\_\_

Planning \_\_\_\_\_

Traffic \_\_\_\_\_

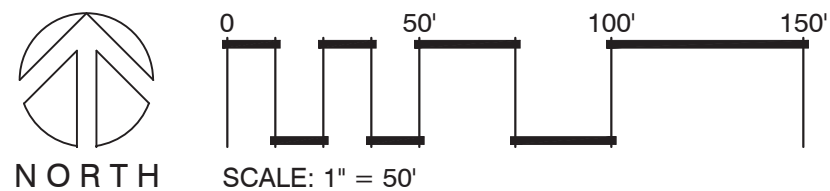
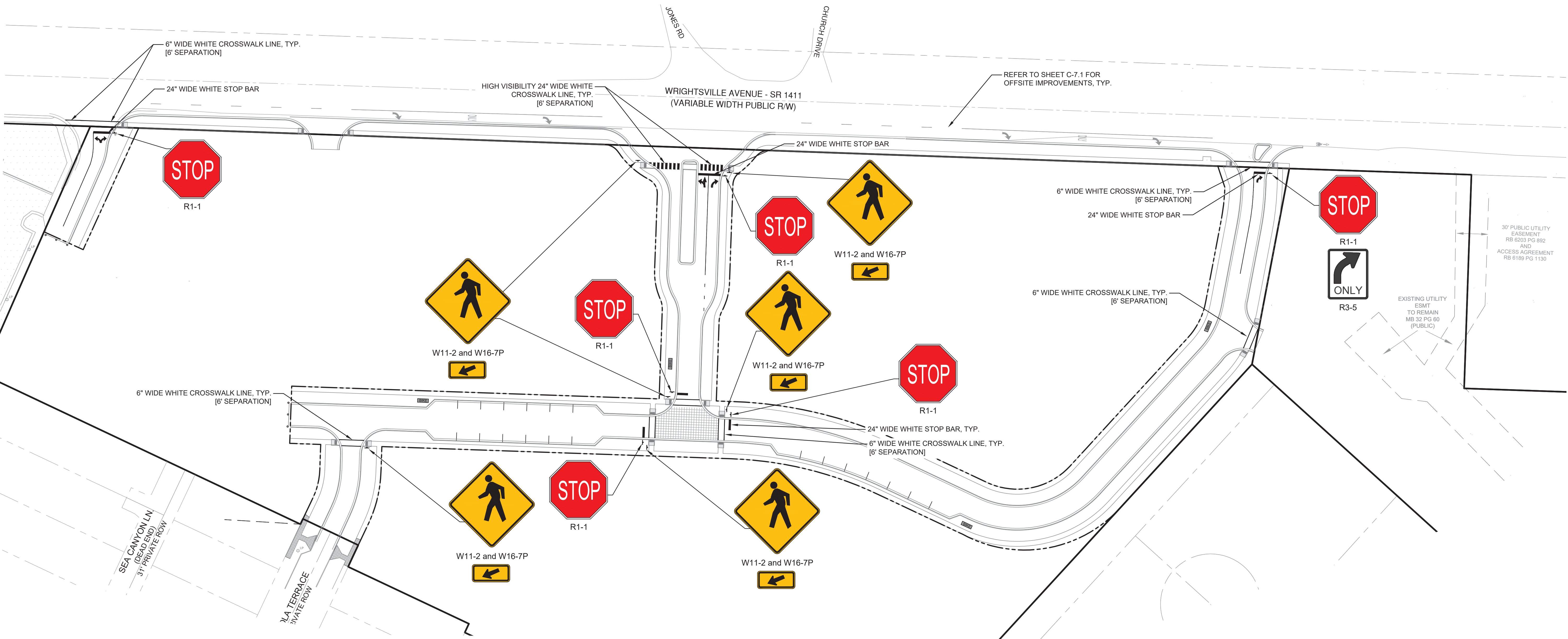
Fire \_\_\_\_\_

**WILMINGTON**  
NORTH CAROLINA  
Public Services • Engineering Division  
APPROVED STORMWATER MANAGEMENT PLAN

Date: \_\_\_\_\_ Permit # \_\_\_\_\_

Signed: \_\_\_\_\_

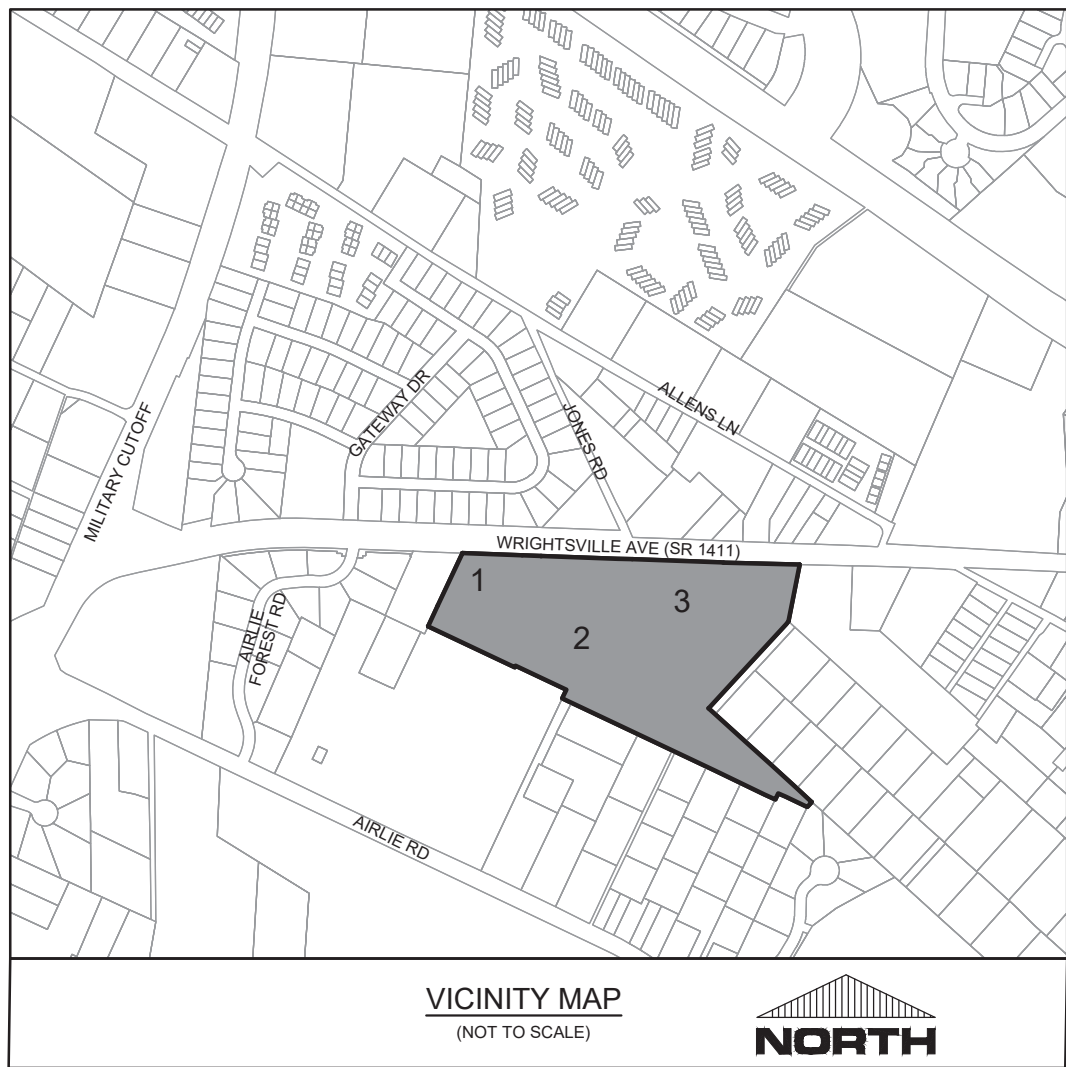
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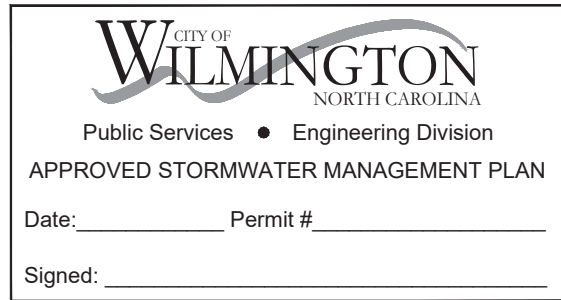
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<b>REVISIONS:</b>	CLIENT INFORMATION:	STATE STREET-GALLERIA, LLC PO BOX 12477 CHARLOTTE, NC 28220	<b>PARAMOUNT ENGINEERING, INC.</b> 122 Cinema Drive Wilmington, North Carolina 28403 (910) 791-6707 (O) (910) 791-6760 (F) NC License # C-2846	<b>PAVEMENT MARKING &amp; SIGNAGE PLAN</b> THE GALLERIA CITY OF WILMINGTON NEW HANOVER CO. NORTH CAROLINA	<b>PROJECT STATUS:</b> CONCEPT LAYOUT: 8/20/19 FINAL DESIGN: 9/18/19 RELEASED FOR CONSTRUCTION: 11/02/20	<b>DRAWING INFORMATION:</b> DATE: 11/02/20 SCALE: 1" = 50' DRAWN: ASR CHECKED: TGC
					<b>C-2.3B</b>	PEI JOB#: 19351.PE





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



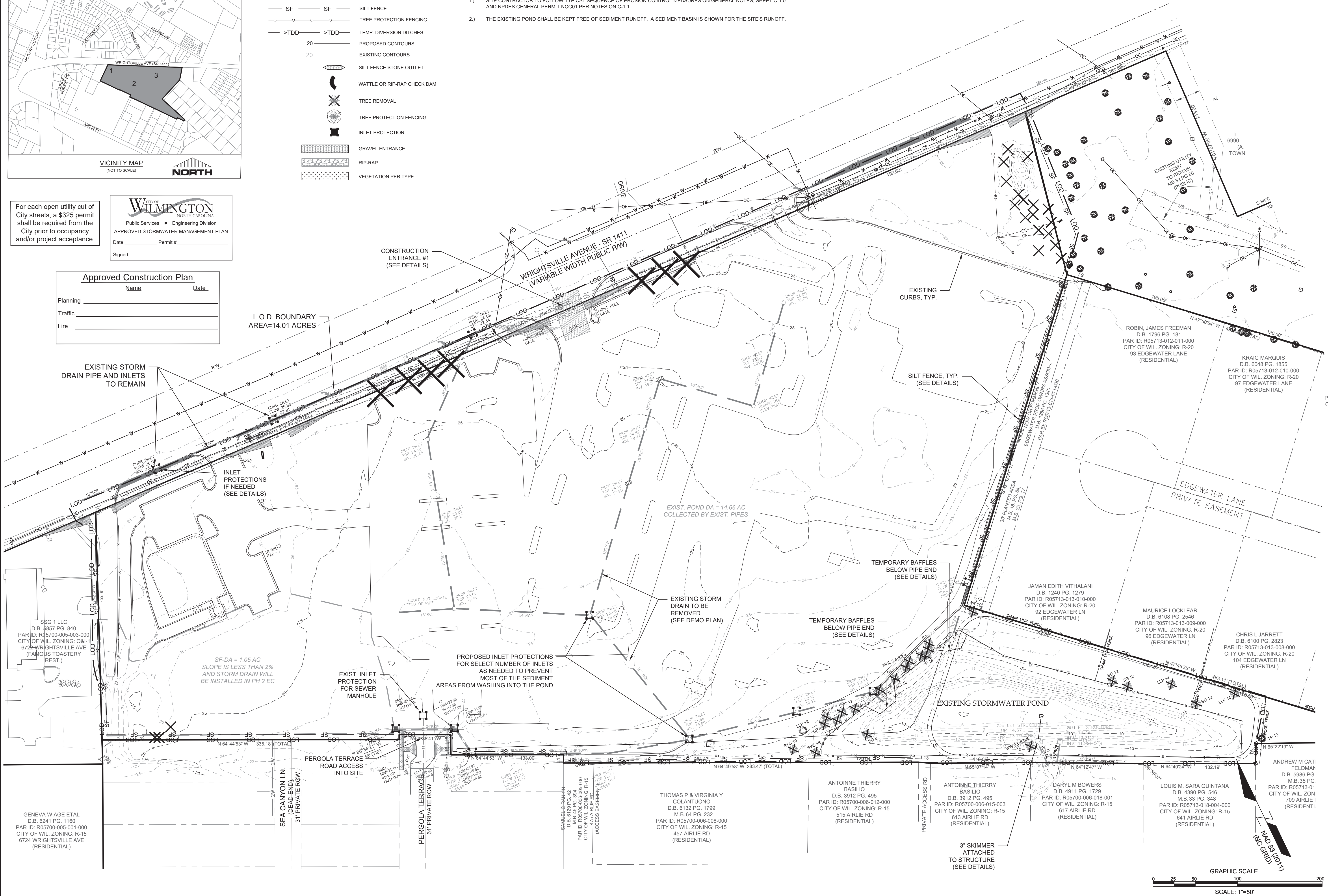
**Approved Construction Plan**

	Name	Date
Planning		
Traffic		
Fire		

- EROSION CONTROL LEGEND:**
- LOD — LOD — LIMITS OF DISTURBANCE
  - SF — SF — SILT FENCE
  - >TDD— >TDD— TREE PROTECTION FENCING
  - 20 — 20 — TEMP. DIVERSION DITCHES
  - 20 — 20 — PROPOSED CONTOURS
  - 20 — 20 — EXISTING CONTOURS
  - S — S — SILT FENCE STONE OUTLET
  - W — W — WATTLE OR RIP-RAP CHECK DAM
  - X — X — TREE REMOVAL
  - F — F — TREE PROTECTION FENCING
  - I — I — INLET PROTECTION
  - G — G — GRAVEL ENTRANCE
  - R — R — RIP-RAP
  - V — V — VEGETATION PER TYPE

**PHASE I EROSION CONTROL NOTES:**

- 1.) SITE CONTRACTOR TO FOLLOW TYPICAL SEQUENCE OF EROSION CONTROL MEASURES ON GENERAL NOTES, SHEET C-1.0 AND NPDES GENERAL PERMIT NCG01 PER NOTES ON C-1.1.
- 2.) THE EXISTING POND SHALL BE KEPT FREE OF SEDIMENT RUNOFF. A SEDIMENT BASIN IS SHOWN FOR THE SITE'S RUNOFF.



FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:	

CLIENT INFORMATION:	
STATE STREET-GALLERIA, LLC PO BOX 12477 CHARLOTTE, NC 28220	

PARAMOUNTE ENGINEERING, INC.	
122 Cinema Drive Wilmington, North Carolina 28403 (910) 791-6707 (O) (910) 791-6760 (F) N.C. License # C-2846	

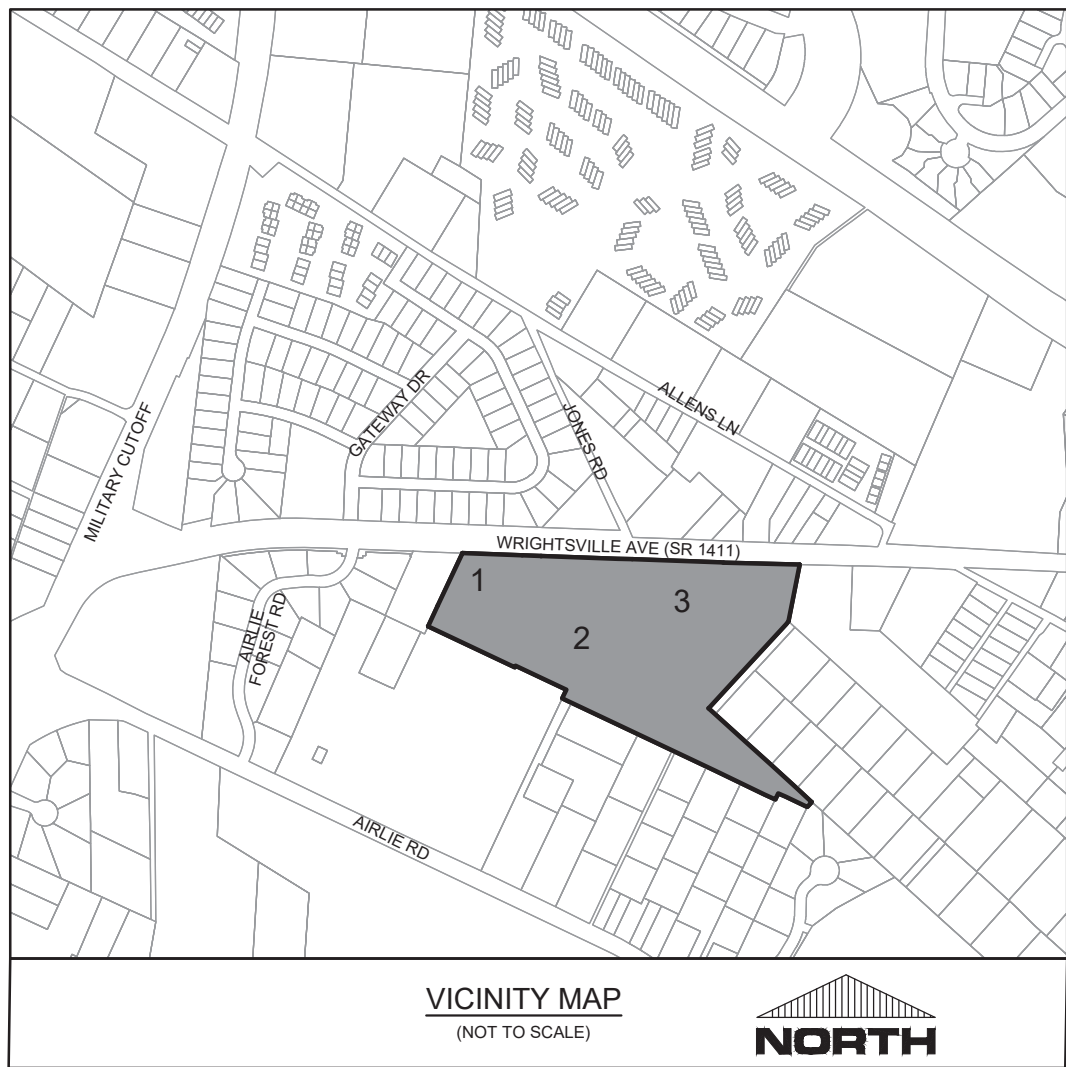
PHASE I EROSION CONTROL PLAN	
THE GALLERIA CITY OF WILMINGTON NEW HANOVER CO. NORTH CAROLINA	

PROJECT STATUS	
8/20/19	CONCEPTUAL LAYOUT
9/18/19	FINAL DESIGN
9/18/19	RELEASED FOR CONSTRUCTION

DRAWING INFORMATION	
DATE:	11/02/20
SCALE:	1" = 50'
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CHECKED:	TGC

C-3.0	
PEI JOB#: 19351.PE	





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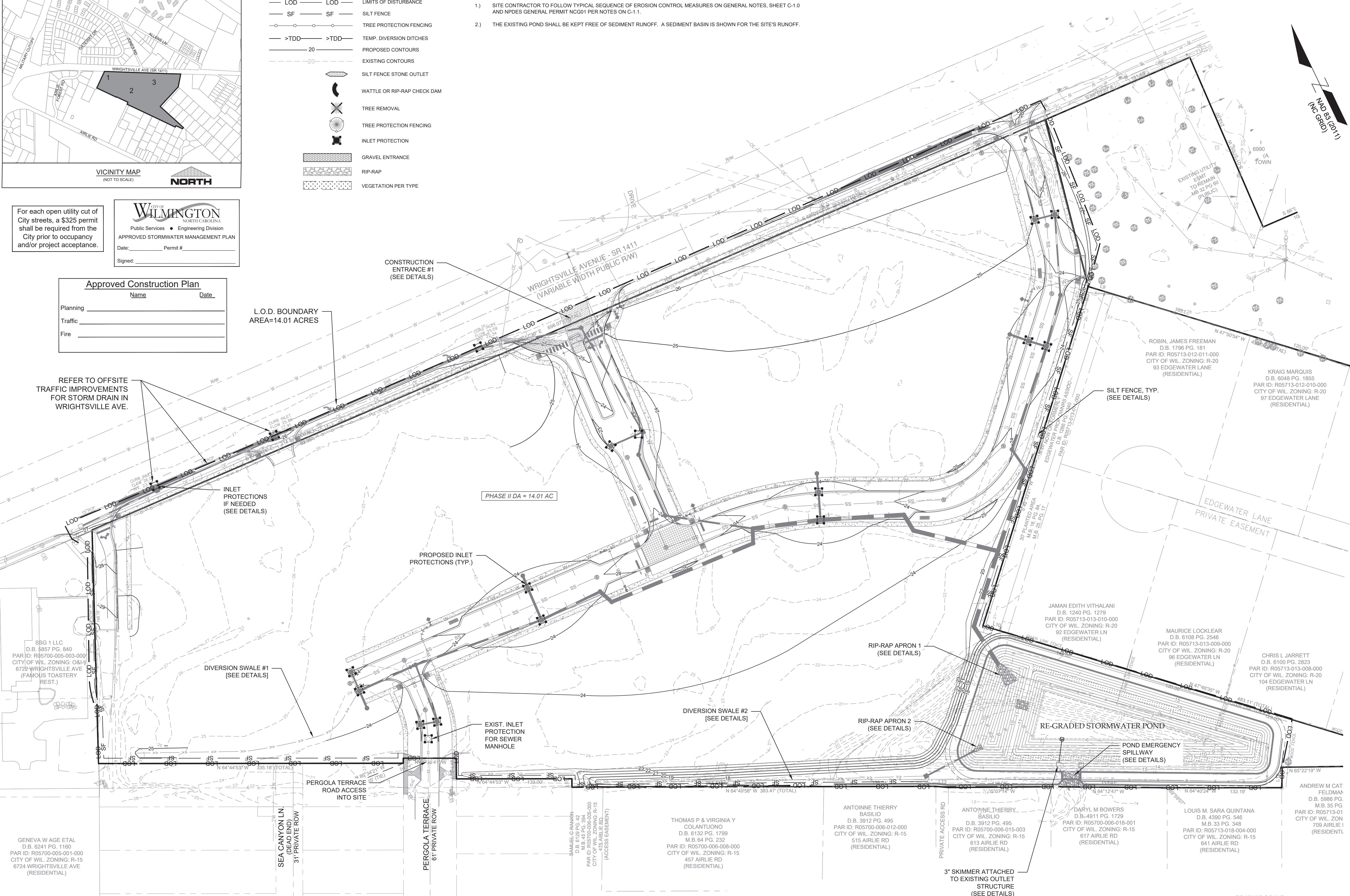
**CITY OF WILMINGTON**  
Public Services • Engineering Division  
APPROVED STORMWATER MANAGEMENT PLAN  
Date: \_\_\_\_\_ Permit # \_\_\_\_\_  
Signed: \_\_\_\_\_

**Approved Construction Plan**  
Name \_\_\_\_\_ Date \_\_\_\_\_  
Planning \_\_\_\_\_  
Traffic \_\_\_\_\_  
Fire \_\_\_\_\_

- EROSION CONTROL LEGEND:**
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  - G — G — GRAVEL ENTRANCE
  - R — R — RIP-RAP
  - V — V — VEGETATION PER TYPE

**PHASE II EROSION CONTROL NOTES:**

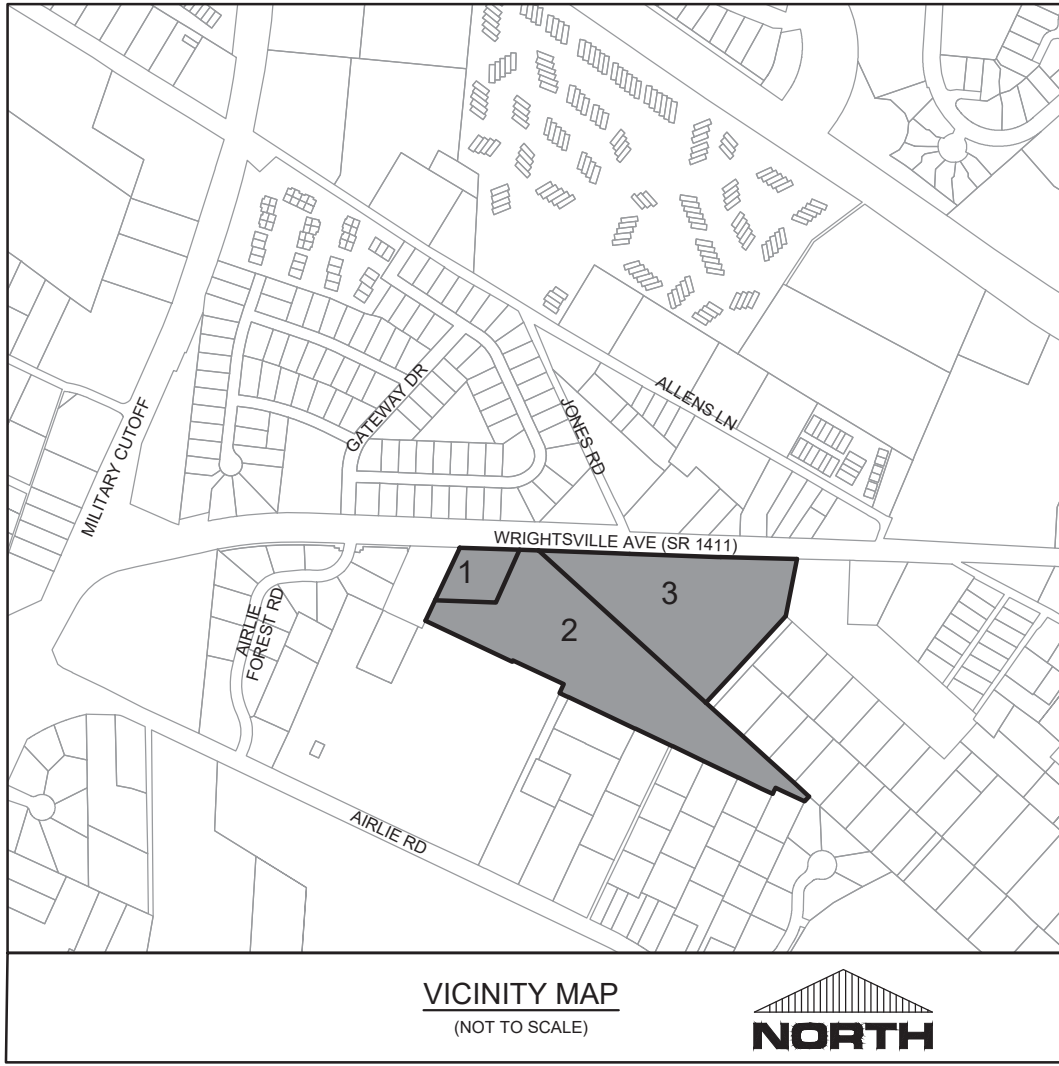
- 1.) SITE CONTRACTOR TO FOLLOW TYPICAL SEQUENCE OF EROSION CONTROL MEASURES ON GENERAL NOTES, SHEET C-1.0 AND NPDES GENERAL PERMIT NCG01 PER NOTES ON C-1.1.
- 2.) THE EXISTING POND SHALL BE KEPT FREE OF SEDIMENT RUNOFF. A SEDIMENT BASIN IS SHOWN FOR THE SITE'S RUNOFF.



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PHASE II EROSION CONTROL PLAN	
THE GALLERIA CITY OF WILMINGTON NEW HANOVER CO. NORTH CAROLINA	
PROJECT STATUS: CONCEPTUAL LAYOUT: FINAL DESIGN: RELEASED FOR CONSTRUCTION:	DRAWING INFORMATION: DATE: 11/02/20 SCALE: 1"=50' DRAWN: ASR CHECKED: TCC
C-3.1	
PEI JOB#: 19351.PE	





STORMWATER NOTES:

- 1.) THE SUBJECT PROPERTY HAS VESTED RIGHTS PURSUANT TO THE FOLLOWING STATE STORMWATER PERMITS: (A) SW8 890417 AND (B) SW8 010230 WHICH ARE APPLICABLE TO PARCELS 1, 2, & 3. BOTH PERMITS ARE ACTIVE AND IN COMPLIANCE WITH ALL APPLICABLE STATE REQUIREMENTS.
- 2.) THIS PROJECT IS OBLIGATED TO MAINTAIN COMPLIANCE WITH THE EXISTING PERMITS.
- 3.) THE EXISTING PERMITS ALLOW FOR 15.5 ACRES OF IMPERVIOUS SURFACE AREA. THE PROPOSED IMPROVEMENTS WILL NOT CREATE IMPERVIOUS SURFACE AREA ("BUA") IN EXCESS OF 15.5 ACRES.

DRAINAGE NOTES:

- 1.) DRAINAGE EASEMENT AND STORMWATER SYSTEM MAINTENANCE IS THE RESPONSIBILITY OF THE DEVELOPER OR HOA, INCLUDING PONDS, AND PIPES AS PERMITTED WITH NCDEQ AND THE CITY OF WILMINGTON.
- 2.) ALL IMPERVIOUS MUST DRAIN TO THE DESIGNED STORMWATER SYSTEM UNLESS THE APPROVED PLANS SHOW OTHERWISE.
- 3.) NO OBSTRUCTIONS ARE ALLOWED IN DRAINAGE EASEMENTS.
- 4.) PRIVATE DRAINAGE SYSTEMS SHALL BE PER APPROVED PLANS AND SPECIFICATIONS - ALL CATCH BASINS SHALL BE TRAFFIC RATED FOR H-20 LOADS AT A MINIMUM.
- 5.) ALL CATCH BASIN (CB) RIM ELEVATIONS ARE LISTED AS THE "OUTTER OF FLOWLINE ELEVATION" WITHIN THE CURB SECTION. THE CONTRACTOR SHALL MAINTAIN A UNIFORM EDGE OF PAVEMENT (EOP) WHEN PLACING THE STORM INLETS WITHIN THE CURB-LINE (SEE "CURB TRANSITION" DETAIL). FOR CATCH BASINS WITHIN A TRANSITION FROM 24" STANDARD CURB & GUTTER, THE RIM ELEVATION GIVEN IS 1 INCH BELOW EOP. FOR MODIFIED VALLEY, THE RIM ELEVATION GIVEN IS 1/2 INCH BELOW EOP.
- 6.) MANHOLE RIM ELEVATION SHOWN ABOVE IS FLUSH WITH PROPOSED GRADE. CONTRACTOR SHALL PROVIDE 6" CLEARANCE ABOVE PROPOSED GRADE WHEN PLACED IN A GRASS/PERVIOUS AREA; AND A FLUSH CONDITION WITH PROPOSED PAVEMENT OR IMPERVIOUS COVER.
- 7.) CONTRACTOR SHALL ADJUST ALL FRAMES OF EX. UTILITY INFRASTRUCTURE WITHIN ASPHALT OVERLAY AREAS TO MATCH PROPOSED GRADES.
- 8.) THE CONTRACTOR SHALL USE EITHER RCP (CL. III) OR HDPE PIPE FOR THE STORM DRAINAGE SYSTEM. IF THE CONTRACTOR CHOOSES TO USE HDPE PIPE, IT SHALL BE ADS HP (WT) STORM PIPE OR APPROVED EQUAL AND SHALL BE INSTALLED TO MANUFACTURER SPECIFICATIONS. IN ADDITION, THE CONTRACTOR SHALL BE SURE TO PROVIDE CONCRETE COLLARS AROUND EACH F.E.S. TO PREVENT FLOATATION IF HDPE PIPE IS CHOSEN.

STORM SCHEDULE:

Upstream Node	Downstream Node	Diameter (in)	Upstream Invert	Downstream Invert	Pipe Length (ft)	Slope (%)	Upstream Rim Elev	Downstream Rim Elev	Pipe Material
MH-001	FES-000	54	11.16	11.00	52	0.30	21.25	11.00	RCP III OR HP (WT)
MH-002	MH-001	54	11.60	11.16	91	0.49	22.00	21.25	RCP III OR HP (WT)
MH-003	MH-002	54	11.90	11.50	100	0.30	24.75	22.00	RCP III OR HP (WT)
MH-004	MH-003	54	11.96	11.90	21	0.30	23.77	24.75	RCP III OR HP (WT)
CI-005	MH-004	54	12.25	11.96	96	0.30	23.10	23.77	RCP III OR HP (WT)
CI-006	CI-005	24	19.95	19.79	32	0.50	23.27	23.10	RCP III OR HP (WT)
MH-016	CI-006	24	20.06	19.95	22	0.50	24.15	23.27	RCP III OR HP (WT)
MH-007	CI-005	54	12.49	12.25	79	0.30	23.63	23.10	RCP III OR HP (WT)
MH-008	MH-007	48	12.54	12.49	17	0.32	24.67	23.63	RCP III OR HP (WT)
MH-009	MH-008	48	13.67	12.54	176	0.30	24.72	24.67	RCP III OR HP (WT)
MH-010	MH-009	48	13.12	13.07	18	0.30	23.57	24.72	RCP III OR HP (WT)
CI-011	MH-010	30	12.35	12.12	75	0.30	23.10	23.57	RCP III OR HP (WT)
MH-013	CI-011	24	12.81	12.35	154	0.30	23.98	23.10	RCP III OR HP (WT)
CI-014	MH-013	18	13.02	12.81	70	0.30	22.94	23.98	RCP III OR HP (WT)
CI-015	CI-014	18	18.25	18.15	20	0.49	22.94	22.94	RCP III OR HP (WT)
CI-016	MH-013	24	18.15	17.94	71	0.30	23.85	23.98	RCP III OR HP (WT)
MH-017	CI-016	24	18.26	18.15	22	0.50	24.65	23.85	RCP III OR HP (WT)
CI-017	CI-016	18	20.35	20.23	24	0.48	23.85	23.85	RCP III OR HP (WT)
CI-012	CI-011	30	18.60	18.40	40	0.51	23.10	23.10	RCP III OR HP (WT)
MH-014	CI-012	30	18.68	18.60	15	0.50	24.12	23.10	RCP III OR HP (WT)
MH-018	MH-007	21	19.65	19.35	102	0.30	23.95	23.63	RCP III OR HP (WT)
MH-019	MH-018	21	19.88	19.65	77	0.30	23.23	23.95	RCP III OR HP (WT)
CI-020	MH-019	21	19.99	19.88	27	0.41	23.48	23.23	RCP III OR HP (WT)
MH-022	CI-020	18	20.41	19.99	139	0.30	25.33	23.48	RCP III OR HP (WT)
EX-1	MH-022	18	22.25	20.41	120	1.53	26.50	25.33	RCP III OR HP (WT)
CI-021	CI-020	18	20.16	19.99	41	0.43	23.65	23.48	RCP III OR HP (WT)
MH-023	MH-002	54	11.90	11.60	99	0.30	23.50	22.00	RCP III OR HP (WT)
MH-024	MH-023	30	11.98	11.90	27	0.31	23.99	23.50	RCP III OR HP (WT)
CI-025	MH-024	30	12.36	11.98	125	0.30	23.16	23.99	RCP III OR HP (WT)
MH-027	CI-025	24	12.54	12.36	61	0.30	23.35	23.16	RCP III OR HP (WT)
CI-028	MH-027	18	12.82	12.54	93.21	0.3	24.54	23.35	RCP III OR HP (WT)
CI-029	CI-028	18	18.98	18.86	24	0.52	24.54	24.54	RCP III OR HP (WT)
CI-026	CI-025	24	18.50	18.39	22	0.52	23.16	23.16	RCP III OR HP (WT)
MH-025	CI-026	24	18.61	18.50	23	0.50	24.21	23.16	RCP III OR HP (WT)
DI-030	FES-001	18	13.50	9.50	59	6.79	17.00	11.00	RCP III OR HP (WT)

SPOT GRADE LEGEND:

PG = PROPOSED GRADE (GROUND)  
(EG) = EXISTING GRADE  
EP = EDGE OF PAVEMENT  
EC = EDGE OF CONCRETE  
TS = TOP OF SIDEWALK  
B/C/T/C = TOP OF CURB ELEVATION

RIM = CENTER OF GRATE  
CB = CATCH BASIN  
DI = DROP INLET  
YI = YARD INLET  
MH = STORM MANHOLE  
CS = CENTERLINE  
INV = INVERT  
C/O = TOP OF CLEANOUT  
TW = TOP OF WALL  
BW = BOTTOM OF WALL  
(EG) = EXISTING ELEVATIONS, TYP.

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Public Services • Engineering Division  
APPROVED STORMWATER MANAGEMENT PLAN  
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Signed: \_\_\_\_\_

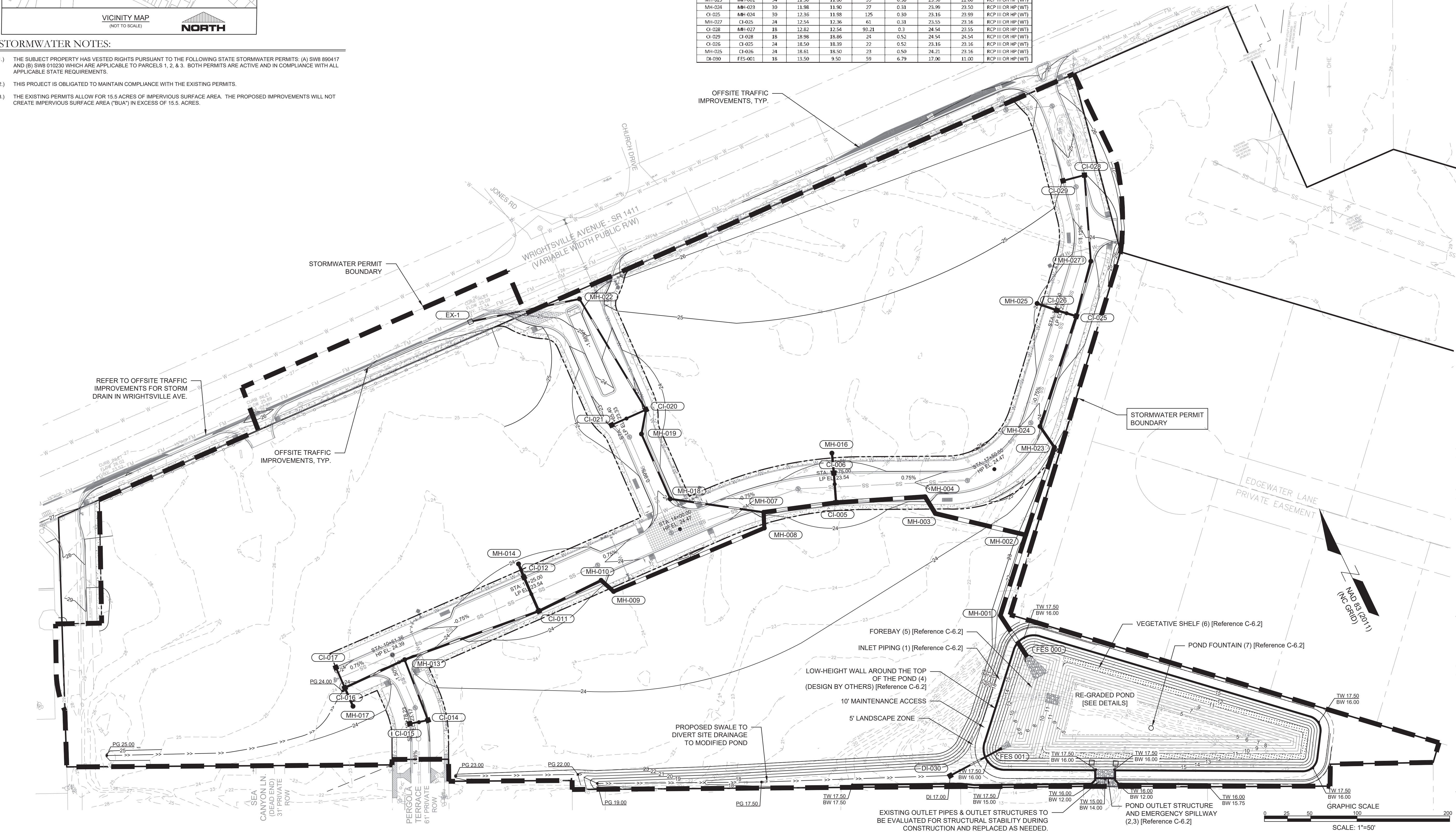
Approved Construction Plan

Name \_\_\_\_\_ Date \_\_\_\_\_

Planning \_\_\_\_\_

Traffic \_\_\_\_\_

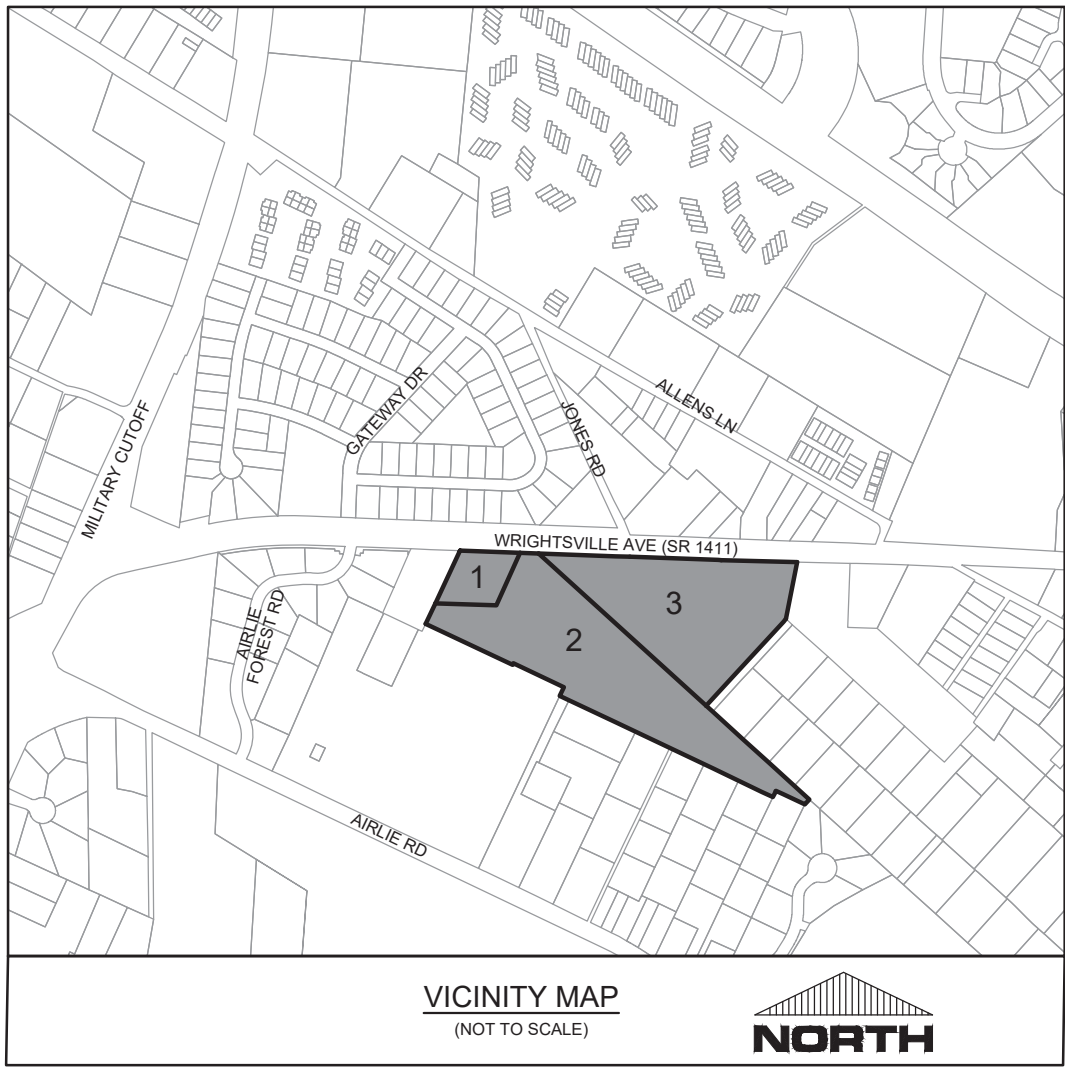
Fire \_\_\_\_\_











CAPE FEAR PUBLIC UTILITY AUTHORITY STANDARD NOTES:

- SEWER GUARDS REQUIRED AT ALL MANHOLES. STAINLESS STEEL SEWER GUARDS REQUIRED AT MANHOLES LOCATED IN TRAFFIC AREAS.
- SERVICES SHALL BE PERPENDICULAR TO MAIN AND TERMINATE AT R/W LINE. SERVICES IN CUL-DE-SACS ARE REQUIRED TO BE PERPENDICULAR, OR MUST ORIGINATE IN MANHOLE AND TERMINATE AT RIGHT-OF-WAY LINE.
- ALL SERVICES TYING INTO DUCTILE IRON MAINS SHALL BE CONSTRUCTED OF CLASS 50, DIP, WITH PROTECTO 401 CERAMIC EPOXY LINING.
- NO FLEXIBLE COUPLINGS SHALL BE USED.
- ALL STAINLESS STEEL FASTENERS SHALL BE 316.

UTILITY MAIN NOTES (NCAC 15A.02T.0305/T15A.18C.0906:

- WATER MAINS SHALL BE LAID SO AS TO PROVIDE A MINIMUM HORIZONTAL SEPARATION OF 10 FEET FROM SEWERS. IF CONDITIONS EXIST SUCH THAT THIS SEPARATION CANNOT BE ACHIEVED, THE WATER MAIN CAN BE INSTALLED AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER, EITHER IN A SEPARATE TRENCH, OR IN THE SAME TRENCH ON A BENCH OF UNDISTURBED EARTH.
- WHEN CROSSING A WATER MAIN OVER A SEWER, THE WATER MAIN SHALL BE LAID AT LEAST 18 INCHES ABOVE THE SEWER. IF CONDITIONS EXIST SUCH THAT THIS SEPARATION CANNOT BE ACHIEVED, BOTH THE WATER MAIN AND SEWER SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE WITH JOINTS THAT MEET WATER MAIN STANDARDS. THE DUCTILE IRON PIPE SHALL EXTEND 10 FEET ON EACH SIDE OF THE CROSSING WITH A SECTION OF WATER MAIN PIPE CENTERED ON THE CROSSING.
- CROSSING A WATER MAIN UNDER A SEWER, WHENEVER IT IS NECESSARY FOR A WATER MAIN TO CROSS UNDER A SEWER, BOTH THE WATER MAIN AND THE SEWER SHALL BE CONSTRUCTED OF FERROUS MATERIALS AND WITH JOINTS EQUIVALENT TO WATER MAIN STANDARDS FOR A DISTANCE OF 10 FEET ON EACH SIDE OF THE POINT OF CROSSING. A SECTION OF WATER MAIN PIPE SHALL BE CENTERED AT THE POINT OF CROSSING.
- WHERE VERTICAL CLEARANCE IS LESS THAN 24" BETWEEN SANITARY SEWER AND STORM DRAIN, SANITARY SEWER SHALL BE DUCTILE IRON PIPE FOR A MINIMUM OF 10' EITHER SIDE OF CROSSING AND STORM DRAIN SHALL BE WATERTIGHT REINFORCED CONCRETE PIPE JOINTS.
- WHERE VERTICAL CLEARANCE IS LESS THAN 18" BETWEEN WATER MAIN AND STORM DRAIN, WATER MAIN SHALL BE DUCTILE IRON PIPE FOR A MINIMUM OF 10' EITHER SIDE OF CROSSING AND STORM DRAIN SHALL BE WATERTIGHT REINFORCED CONCRETE PIPE JOINTS.

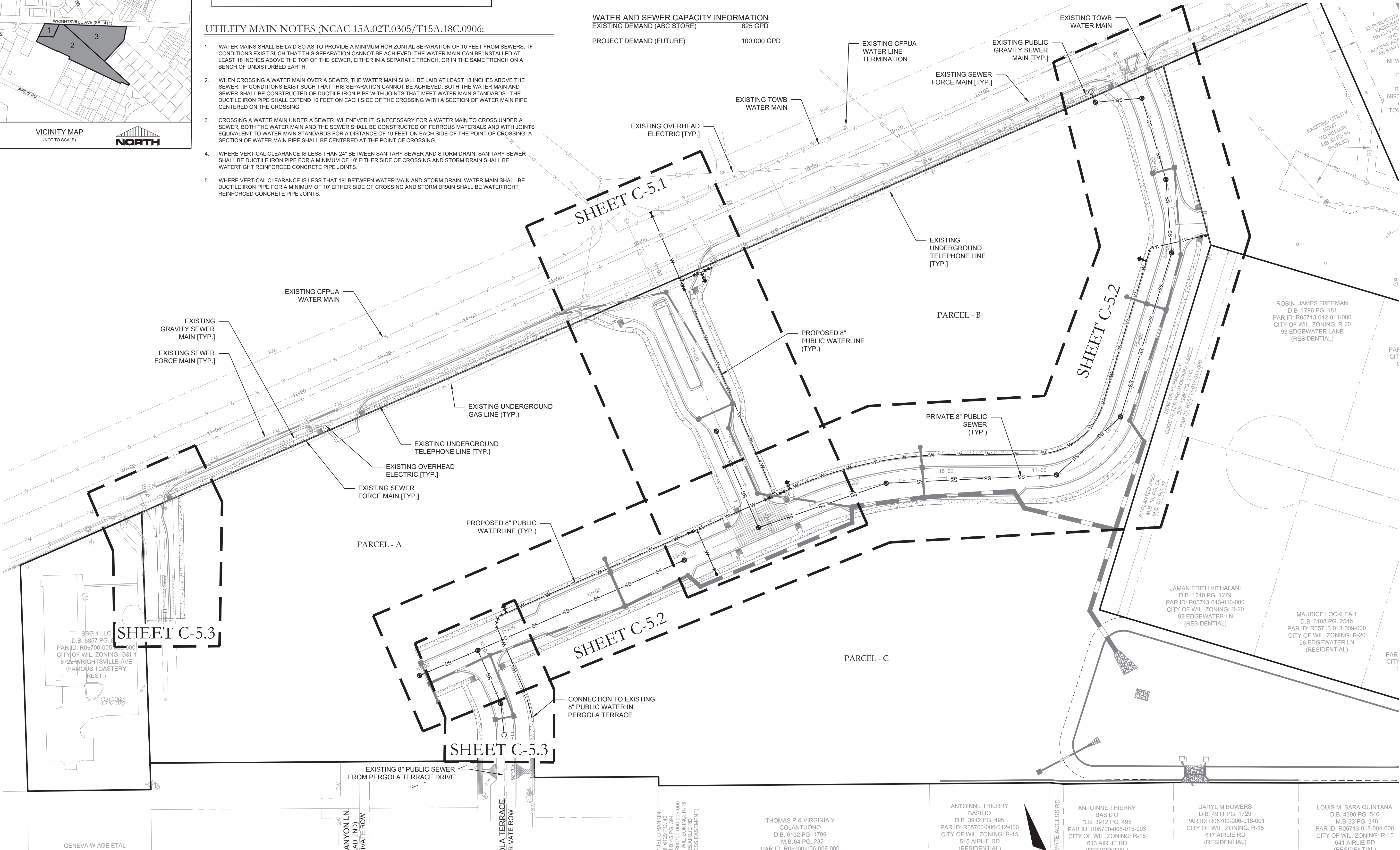
UTILITY NOTE:

PURSUANT TO THE INTERLOCAL AGREEMENTS BETWEEN THE CITY OF WILMINGTON AND THE TOWN OF WRIGHTSVILLE BEACH DATED JUNE 19, 2014 AND AUGUST 10, 2017, RESPECTIVELY, THE CITY OF WILMINGTON ASSUMED THE EXPRESS OBLIGATION TO PROVIDE ALL MUNICIPAL SERVICES TO PARCELS 1, 2 AND 3. CITY OF WILMINGTON AS THE ANNEXING MUNICIPALITY, AT ITS EXPENSE, SHALL ENGAGE CFPWA TO INSTALL (A) WATER SERVICE TO THE GALLERIA AND (B) WATER METERS ON THE GALLERIA, SIZED TO A CAPACITY OF 23.5 INCHES, IN ORDER TO REPLACE THE WATER SERVICE PREVIOUSLY PROVIDED BY THE TOWN OF WRIGHTSVILLE BEACH PRIOR TO THE DE-ANNEXATION/ANNEXATION, WHICH WERE EFFECTIVE JUNE 30, 2014 AND JUNE 30, 2018, RESPECTIVELY. THE EXTENSION OF WATER SERVICE TO THE GALLERIA WILL BE ACCOMPLISHED BY EXTENDING THE EXISTING CFPWA WATER LINE ON THE NORTH SIDE OF WRIGHTSVILLE AVENUE TO THE NORTHERN BOUNDARY OF THE GALLERIA ON THE SOUTH SIDE OF WRIGHTSVILLE AVENUE. THE WATER LINE EXTENSION IS DEPICTED ON THIS SHEET.

WATER AND SEWER CAPACITY INFORMATION

EXISTING DEMAND (ABC STORE) 625 GPD

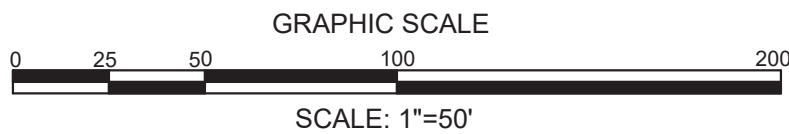
PROJECT DEMAND (FUTURE) 100,000 GPD



WILMINGTON  
NORTH CAROLINA  
Public Services • Engineering Division  
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Approved Construction Plan

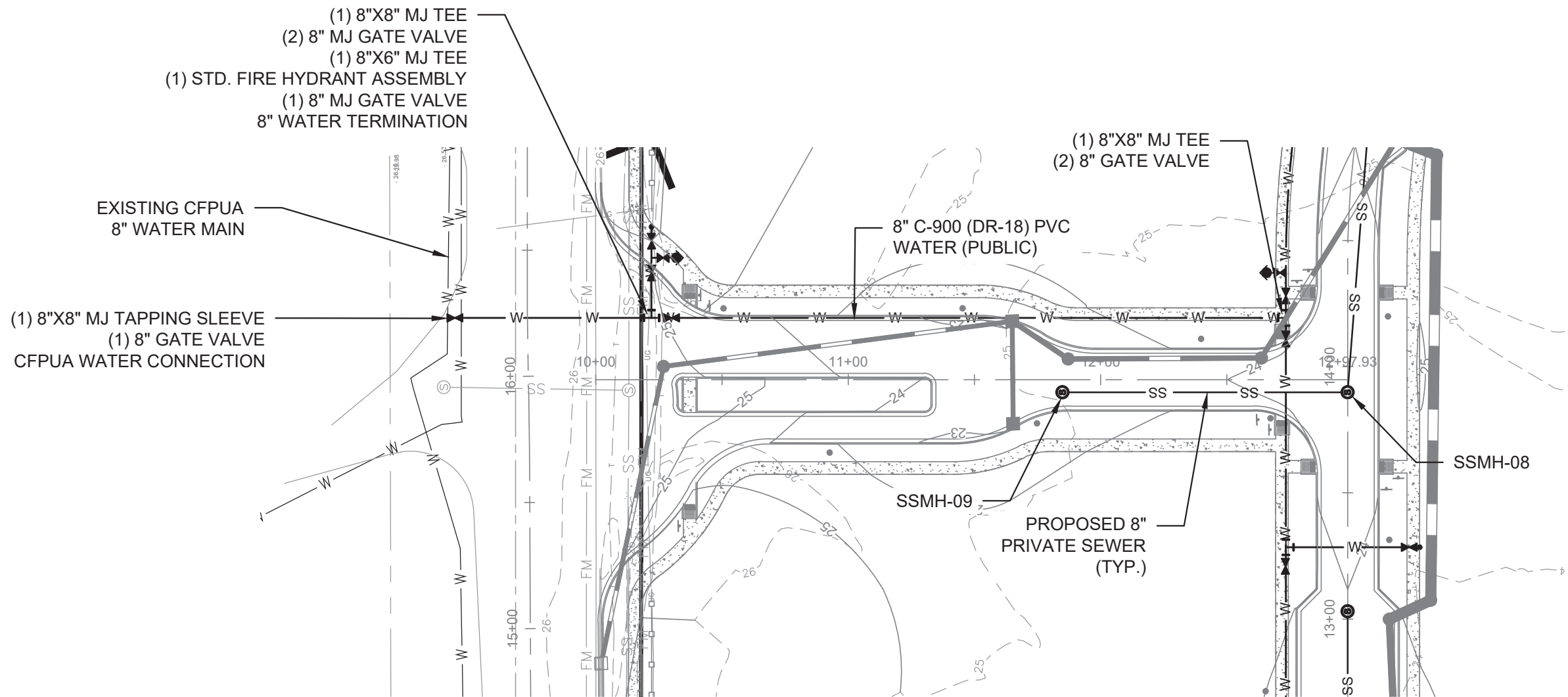
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Traffic	
Fire	



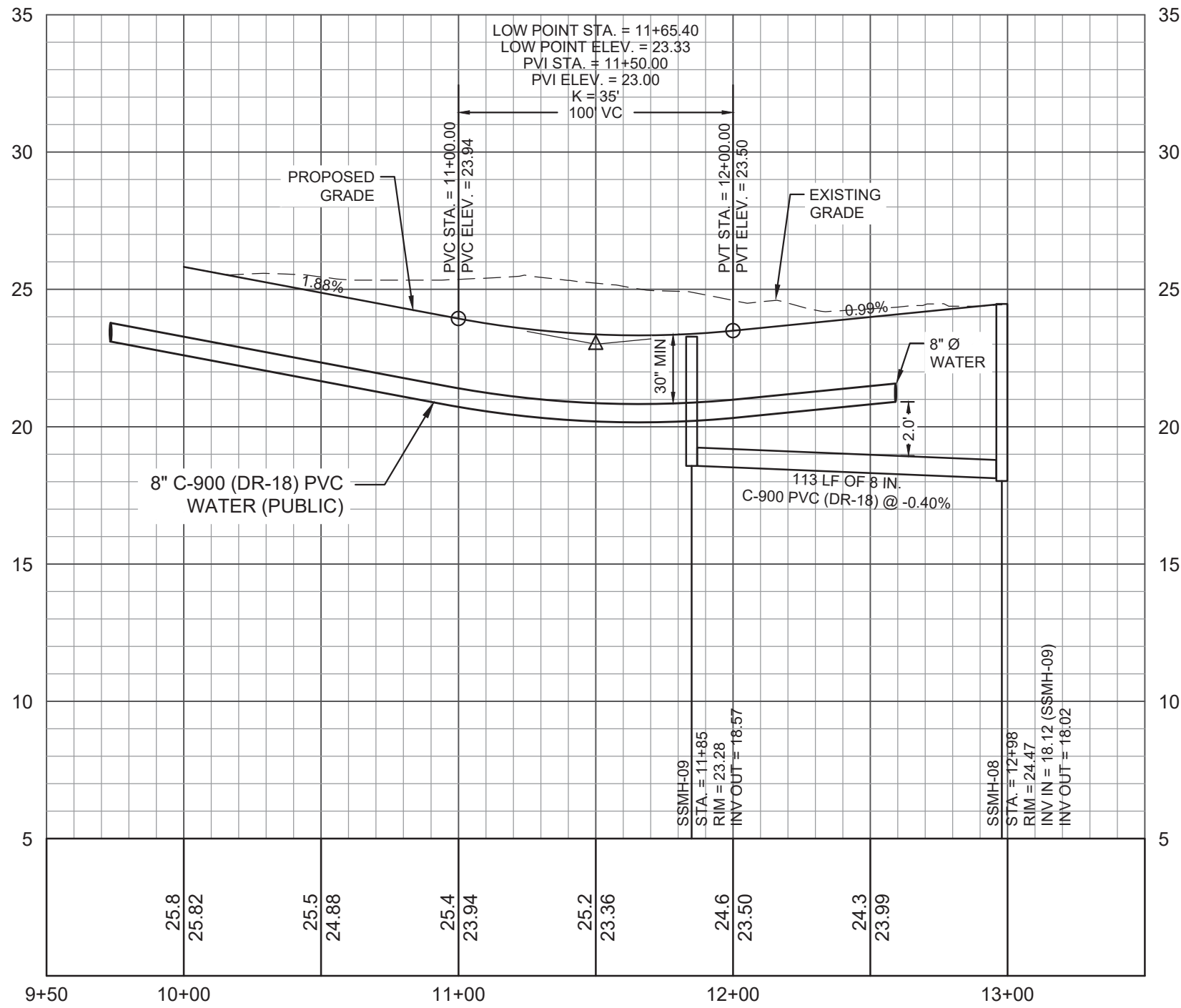
FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:	CLIENT INFORMATION:	OVERALL UTILITY PLAN INDEX SHEET	PROJECT STATUS CONCEPTUAL LAYOUT: 8/26/19 FINAL DESIGN: 9/16/19 RELEASED FOR CONSTRUCTION: 11/02/20
	STATE STREET-GALLERIA, LLC PO BOX 12477 CHARLOTTE, NC 28220	THE GALLERIA CITY OF WILMINGTON NEW HANOVER CO. NORTH CAROLINA	DRAWING INFORMATION DATE: 11/02/20 SCALE: SEE SHEET DRAWN: ASR CHECKED: TCC
	PARAMOUNT ENGINEERING, INC. 122 Cinema Drive Wilmington, North Carolina 28403 (910) 791-6707 (O) (910) 791-6760 (F) NC License # C-2846		
			C-5.0
			PEI JOB#: 19351.PE





ROAD A - PLAN VIEW  
SCALE: 1" = 50'



ROAD A - PROFILE VIEW  
HORIZONTAL SCALE: 1" = 50'  
VERTICAL SCALE: 1" = 5'

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

City of WILMINGTON  
Public Services • Engineering Division  
APPROVED STORMWATER MANAGEMENT PLAN  
Date: \_\_\_\_\_ Permit # \_\_\_\_\_  
Signed: \_\_\_\_\_

Approved Construction Plan  
Name \_\_\_\_\_ Date \_\_\_\_\_  
Planning \_\_\_\_\_  
Traffic \_\_\_\_\_  
Fire \_\_\_\_\_

- CAPE FEAR PUBLIC UTILITY AUTHORITY STANDARD NOTES:
- SEWER GUARDS REQUIRED AT ALL MANHOLES. STAINLESS STEEL SEWER GUARDS REQUIRED AT MANHOLES LOCATED IN TRAFFIC AREAS.
  - SERVICES SHALL BE PERPENDICULAR TO MAIN AND TERMINATE AT R/W LINE. SERVICES IN CUL-DE-SACS ARE REQUIRED TO BE PERPENDICULAR, OR MUST ORIGINATE IN MANHOLE AND TERMINATE AT RIGHT-OF-WAY LINE.
  - ALL SERVICES TYING INTO DUCTILE IRON MAINS SHALL BE CONSTRUCTED OF CLASS 50, DIP, WITH PROTECTO 401 CERAMIC EPOXY LINING.
  - NO FLEXIBLE COUPLINGS SHALL BE USED.
  - ALL STAINLESS STEEL FASTENERS SHALL BE 316.

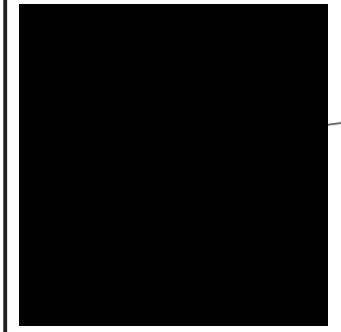
REVISIONS:	

CLIENT INFORMATION:  
STATE STREET-GALLERIA, LLC  
PO BOX 12477  
CHARLOTTE, NC 28220

PARAMOUNT ENGINEERING, INC.  
122 Cinema Drive  
Wilmington, North Carolina 28403  
(910) 791-6707 (O) (910) 791-6760 (F)  
NC License # - C-2846

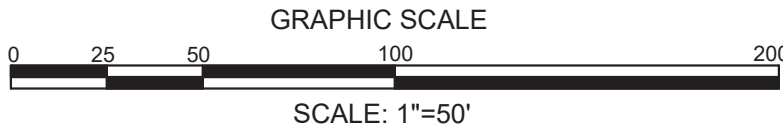
UTILITY PLAN & PROFILE  
ROAD A  
THE GALLERIA  
CITY OF WILMINGTON  
NEW HANOVER CO. NORTH CAROLINA

PROJECT STATUS DESIGN LAYOUT: 8/20/19 DESIGN LAYOUT: 9/18/19 FINAL DESIGN: 10/01/19 RELEASED FOR CONSTRUCTION: 10/01/19	DRAWING INFORMATION DATE: 11/02/20 SCALE: SEE SHEET DRAWN: ASR CHECKED: TGC
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C-5.1  
PEI JOB#: 19351.PE

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION





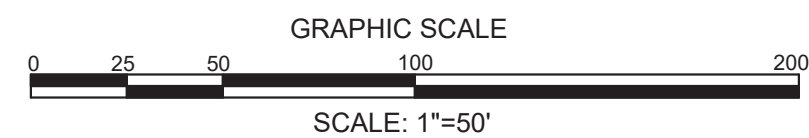




**WILMINGTON**  
CITY OF  
NORTH CAROLINA  
Public Services • Engineering Division  
APPROVED STORMWATER MANAGEMENT PLAN  
Date: \_\_\_\_\_ Permit # \_\_\_\_\_  
Signed: \_\_\_\_\_

<u>Approved Construction Plan</u>	
<u>Name</u>	<u>Date</u>
Planning _____	
Traffic _____	
Fire _____	

1. SEWER GUARDS REQUIRED AT ALL MANHOLES. STAINLESS STEEL SEWER GUARDS REQUIRED AT MANHOLES LOCATED IN TRAFFIC AREAS.
2. SERVICES SHALL BE PERPENDICULAR TO MAIN AND TERMINATE AT R/W LINE. SERVICE IN CUL-DE-SACS ARE REQUIRED TO BE PERPENDICULAR, OR MUST ORIGINATE IN MANHOLE AND TERMINATE AT RIGHT-OF-WAY LINE
3. ALL SERVICES TYING INTO DUCTILE IRON MAINS SHALL BE CONSTRUCTED OF CLASS 50, DIP, WITH PROTECTO 401 CERAMIC EPOXY LINING.
4. NO FLEXIBLE COUPLINGS SHALL BE USED.
5. ALL STAINLESS STEEL FASTENERS SHALL BE 316.



FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:

**CLIENT INFORMATION:**

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

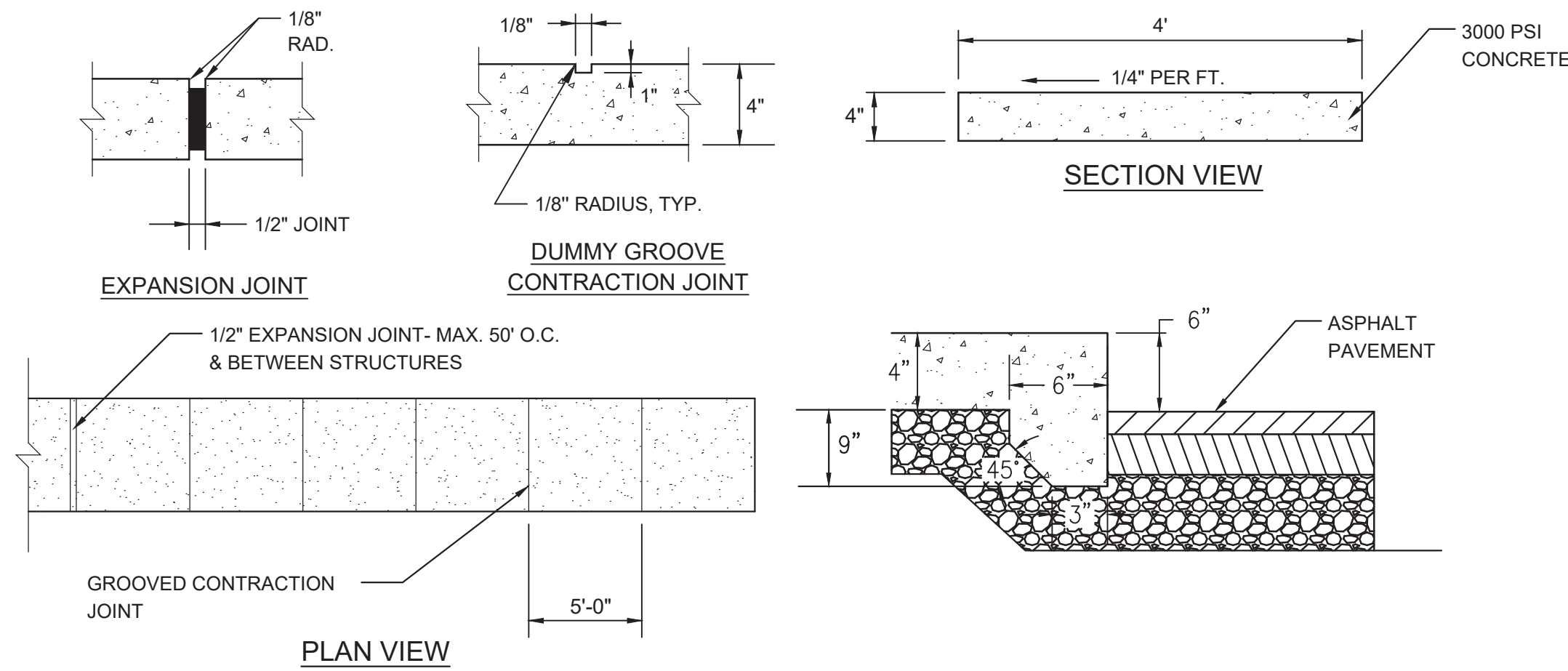
UTILITY PLAN & PROFILE  
ROADS C & D  
THE GALLERIA  
CITY OF WILMINGTON  
NEW HANOVER CO. NORTH CAROLINA

<b>PROJECT STATUS</b> CONCEPTUAL LAYOUT: 8/30/19 PRELIMINARY LAYOUT: 9/18/19 FINAL DESIGN: RELEASED FOR CONST:	<b>DRAWING INFORMATION</b> DATE: 11.02.20 SCALE: SEE SHEET DESIGNED: ASR DRAWN: ASR CHECKED: TGC
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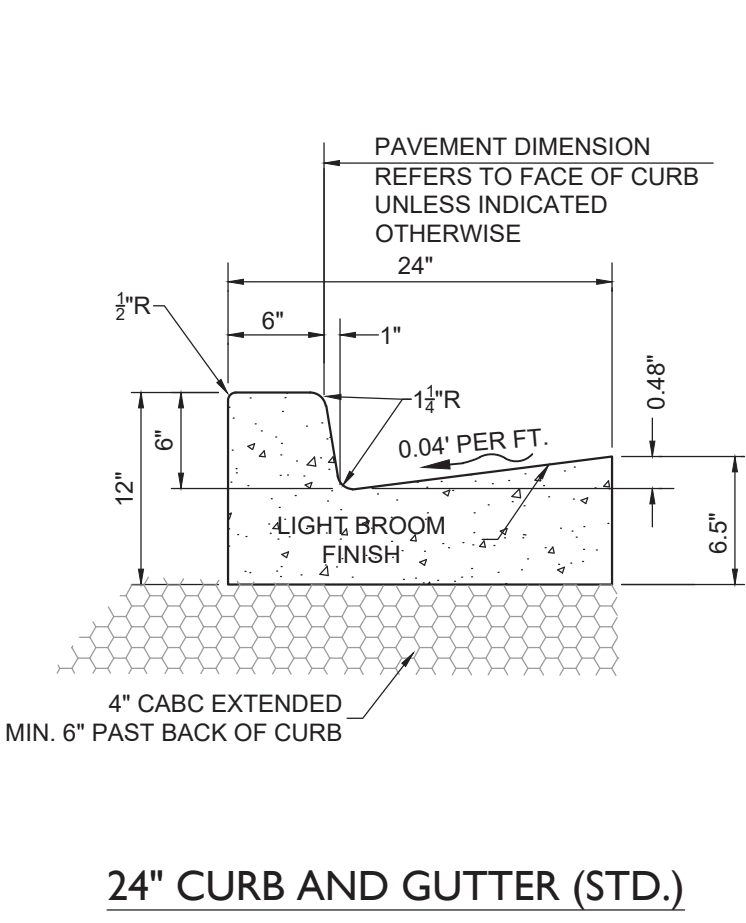
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PEI JOB#: 19351.PE

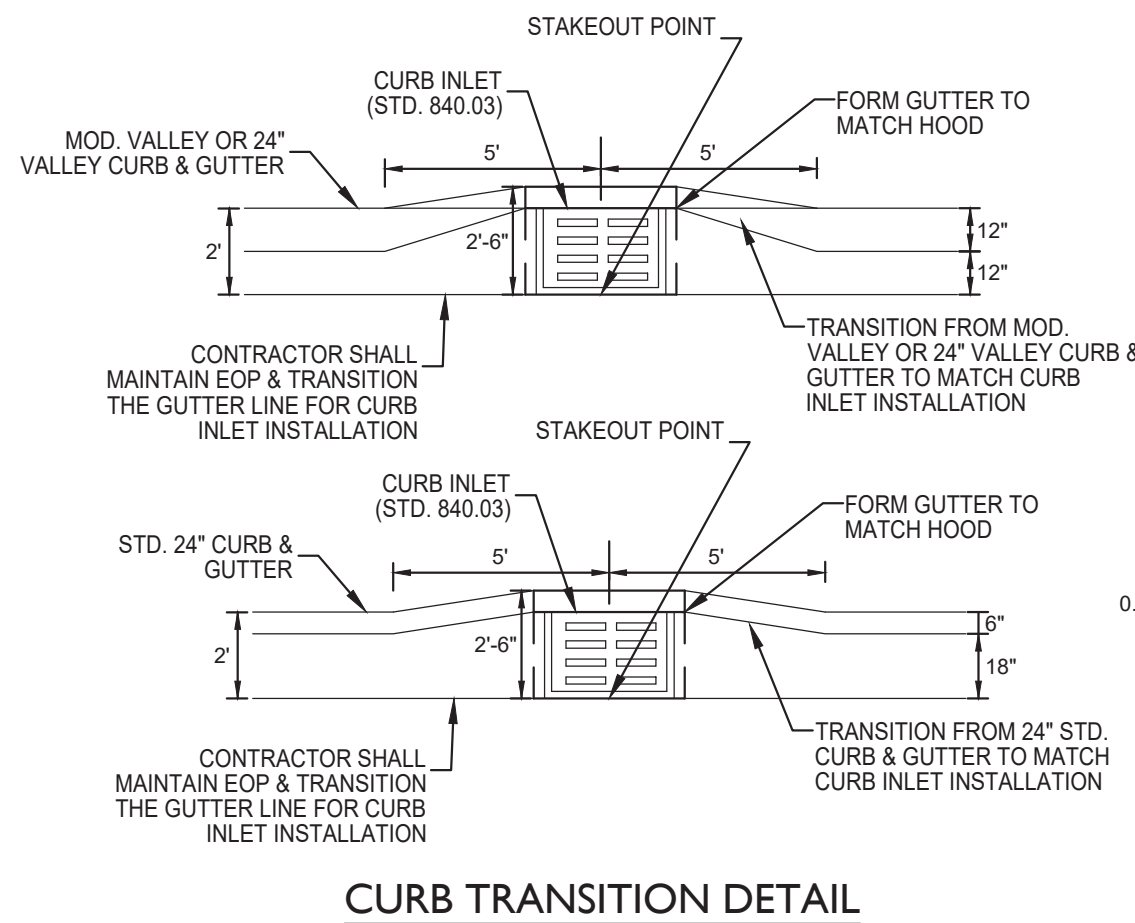




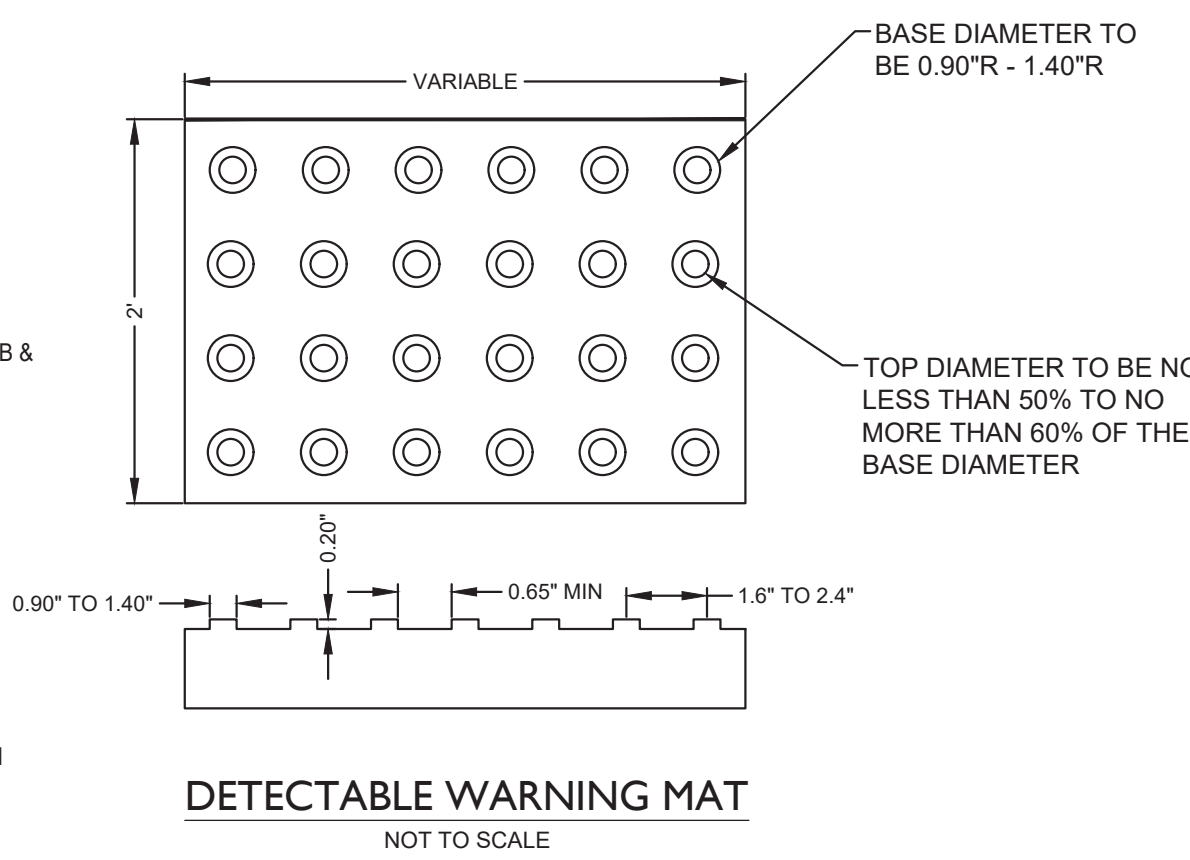
SIDEWALK DETAILS  
NOT TO SCALE



24" CURB AND GUTTER (STD.)  
NOT TO SCALE

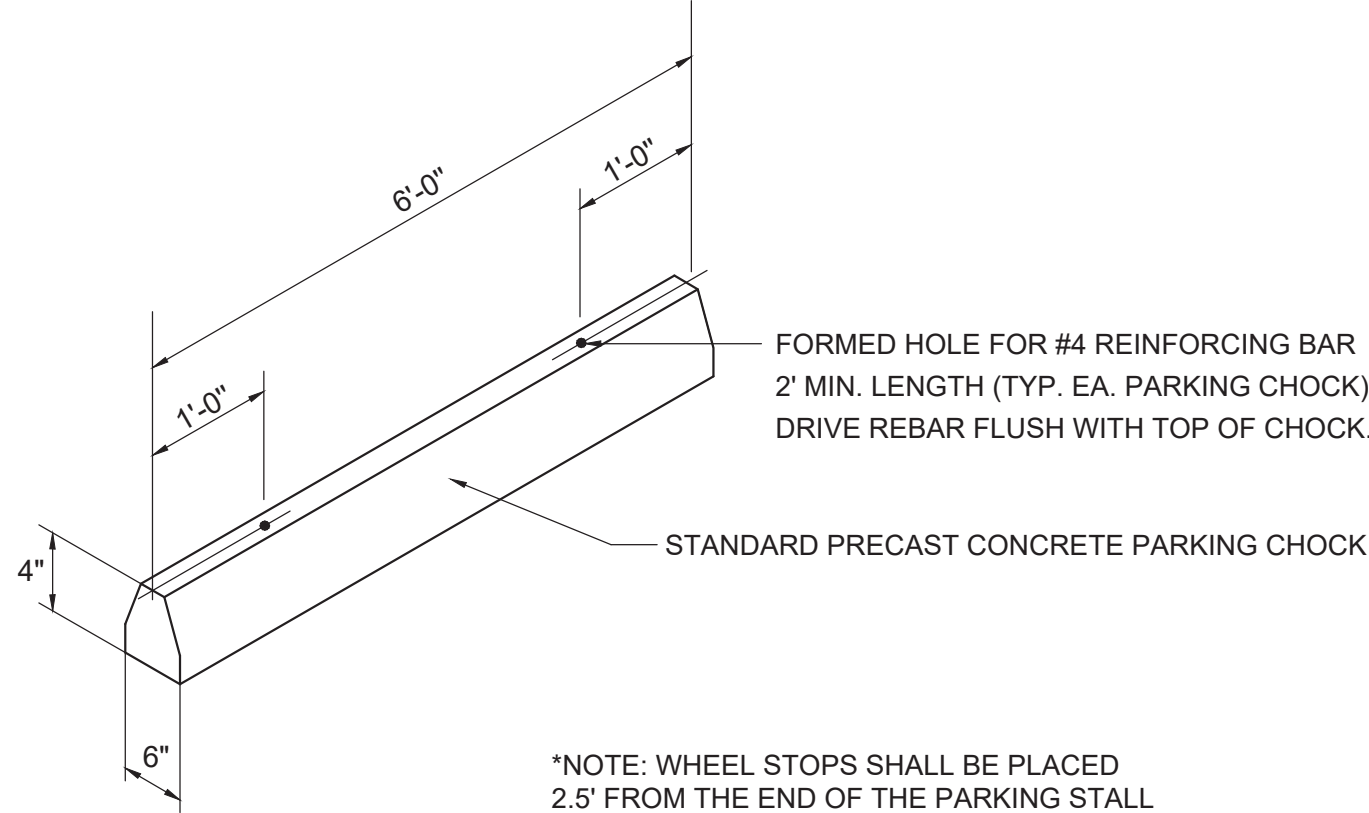


CURB TRANSITION DETAIL  
NOT TO SCALE

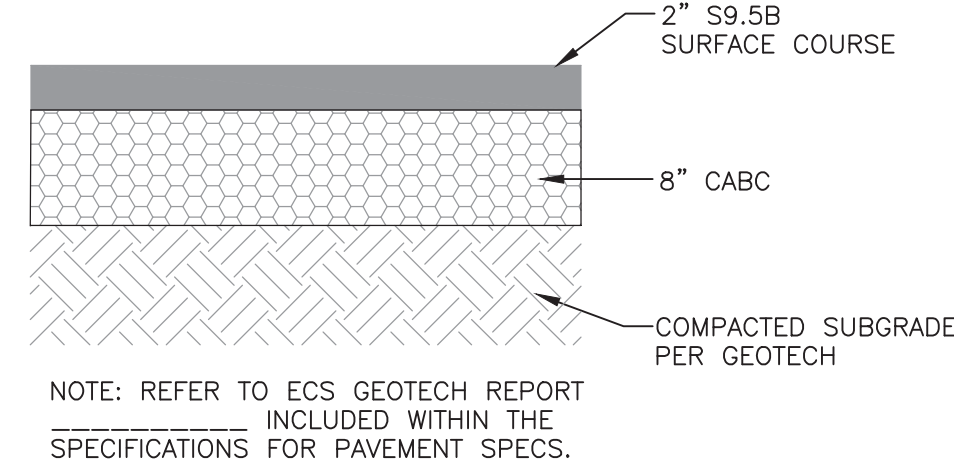


DETECTABLE WARNING MAT  
NOT TO SCALE

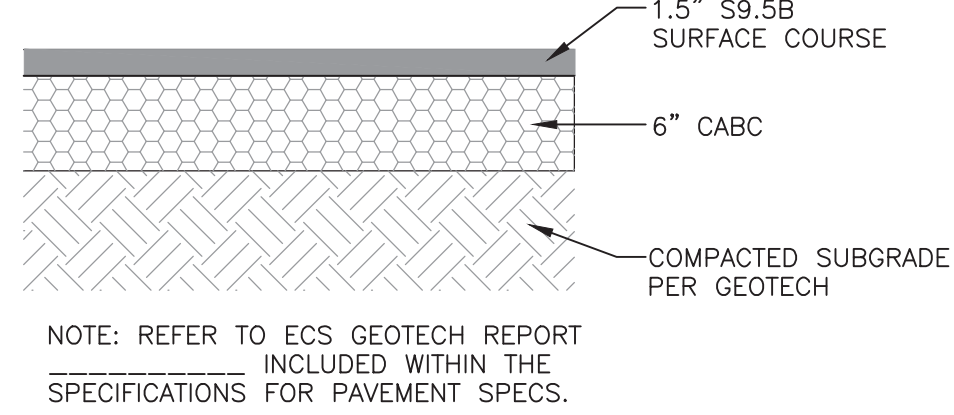
- PAVER TYPE AND COLOR BY LANDSCAPE ARCHITECT
- 2" LEVELING COURSE - ASTM #8 AGGREGATE
- BEDDING AND SUBBASED COURSE- STONE BY MANUFACTURER
- 12"x14" CONCRETE HEADER CURB (3,000 PSI)
- MIRFAI 140N NONWOVEN GEOTEXTILE
- SUBGRADE COMPACTED PER GEOTECH REPORT



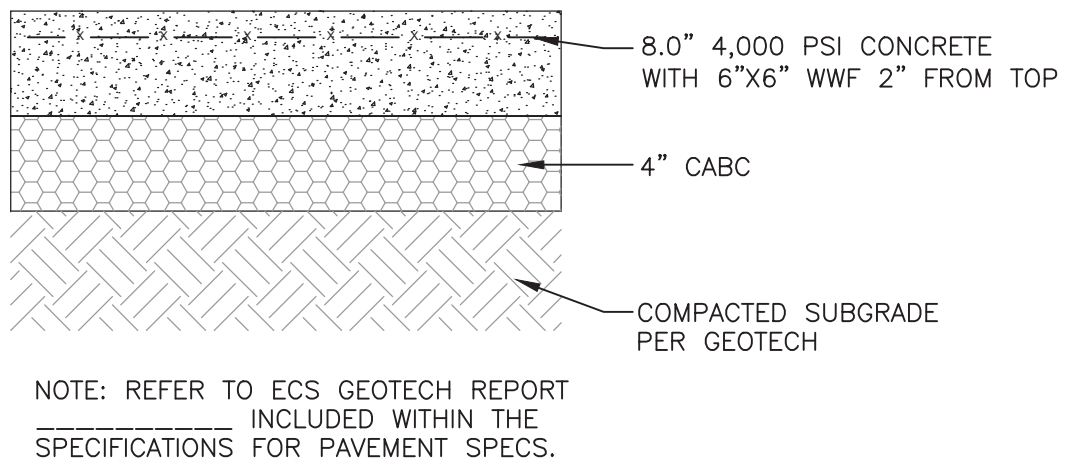
WHEEL STOP  
NOT TO SCALE



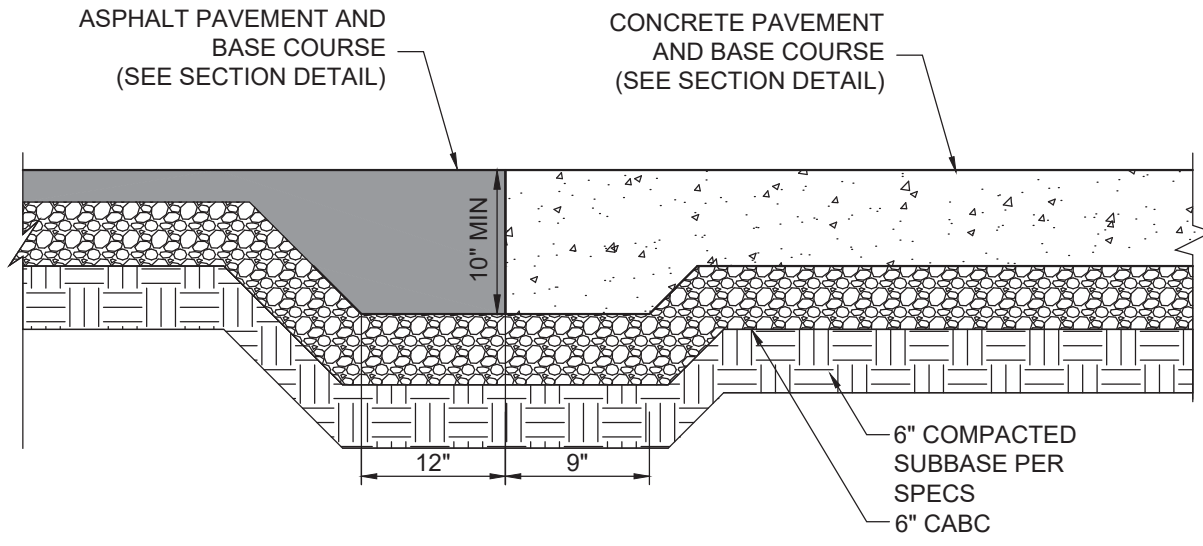
ASPHALT PAVEMENT SECTION  
(HEAVY DUTY DRIVES)



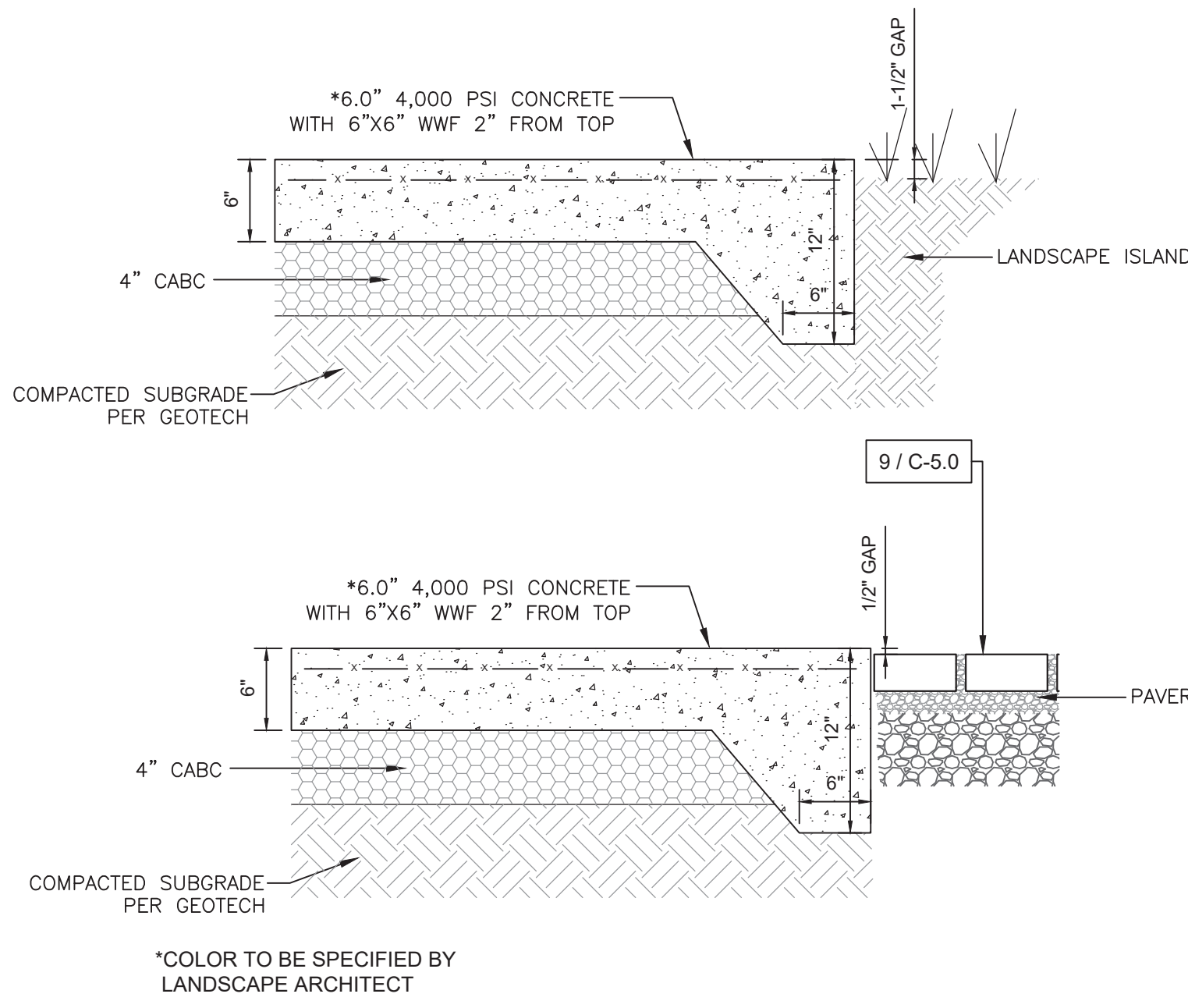
ASPHALT PAVEMENT SECTION  
(LIGHT DUTY PARKING AREAS)



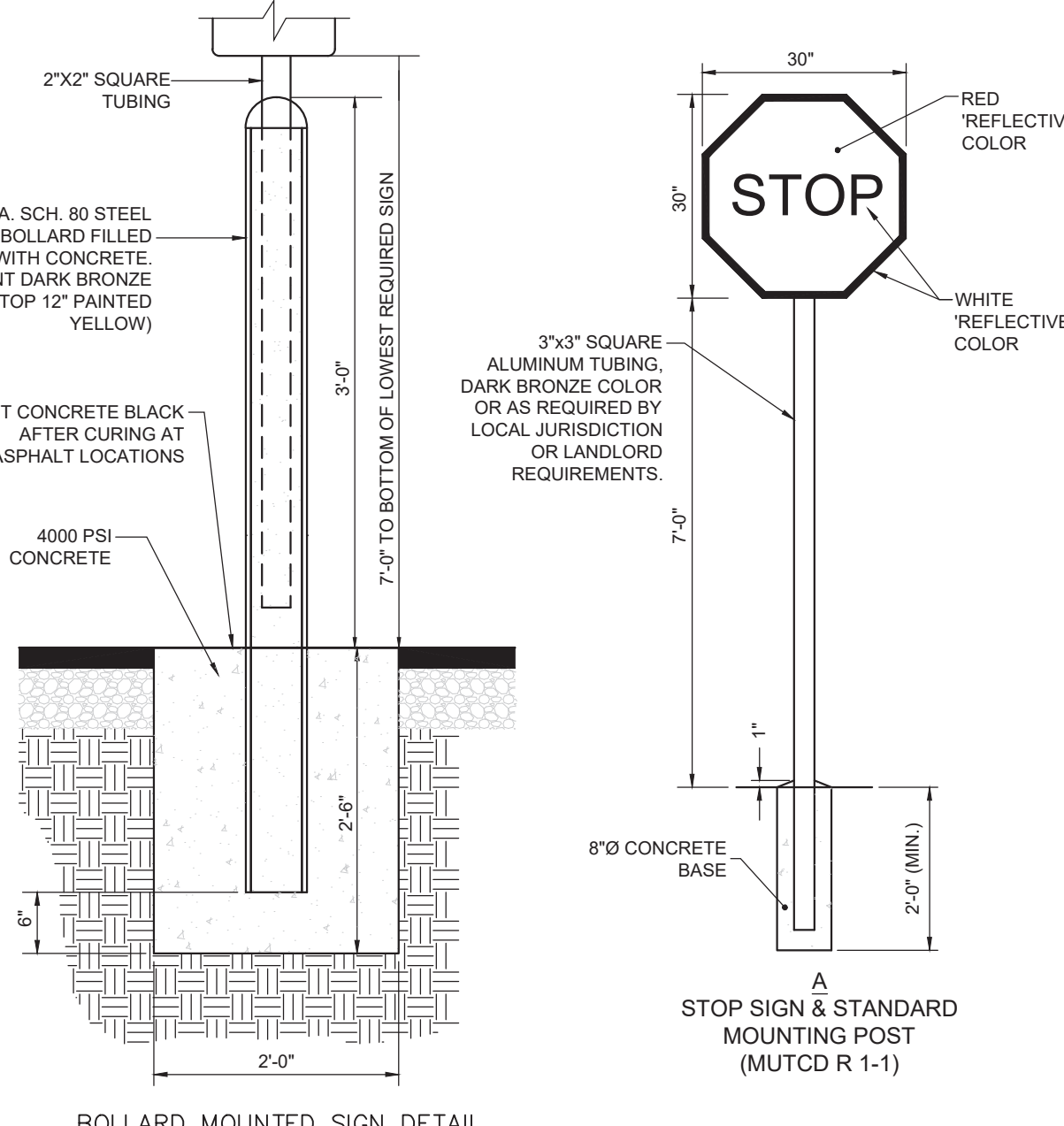
CONCRETE PAVEMENT SECTION  
(HEAVY DUTY PAVEMENT)



ASPHALT TO CONCRETE TRANSITION  
(TYPICAL)



CONCRETE PAVEMENT AND TURN DOWN EDGE CONDITIONS  
NOT TO SCALE



DIRECTIONAL SIGNAGE  
NOT TO SCALE

Approved Construction Plan

Name \_\_\_\_\_ Date \_\_\_\_\_

Planning \_\_\_\_\_

Traffic \_\_\_\_\_

Fire \_\_\_\_\_

City of Wilmington North Carolina

Public Services • Engineering Division

APPROVED STORMWATER MANAGEMENT PLAN

Date: \_\_\_\_\_ Permit # \_\_\_\_\_

Signed: \_\_\_\_\_

REVISIONS:

CLIENT INFORMATION:  
STATE STREET-GALLERIA, LLC  
PO BOX 12477  
CHARLOTTE, NC 28220

PARAMOUNT ENGINEERING, INC.  
122 Cinema Drive  
Wilmington, North Carolina 28403  
(910) 791-6707 (O) (910) 791-6760 (F)  
NC License # C-2846

CIVIL DETAILS  
THE GALLERIA  
CITY OF WILMINGTON  
NEW HANOVER CO. NORTH CAROLINA

PROJECT STATUS  
CONCEPT LAYOUT: 8/29/19  
FINAL DESIGN: 9/18/19  
RELEASED FOR CONSTRUCTION: 9/18/19

DRAWING INFORMATION  
DATE: 11/02/20  
SCALE: AS NOTED  
DRAWN: ASB  
CHECKED: TCC

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

Approved Construction Plan

City of Wilmington North Carolina

Public Services • Engineering Division

APPROVED STORMWATER MANAGEMENT PLAN

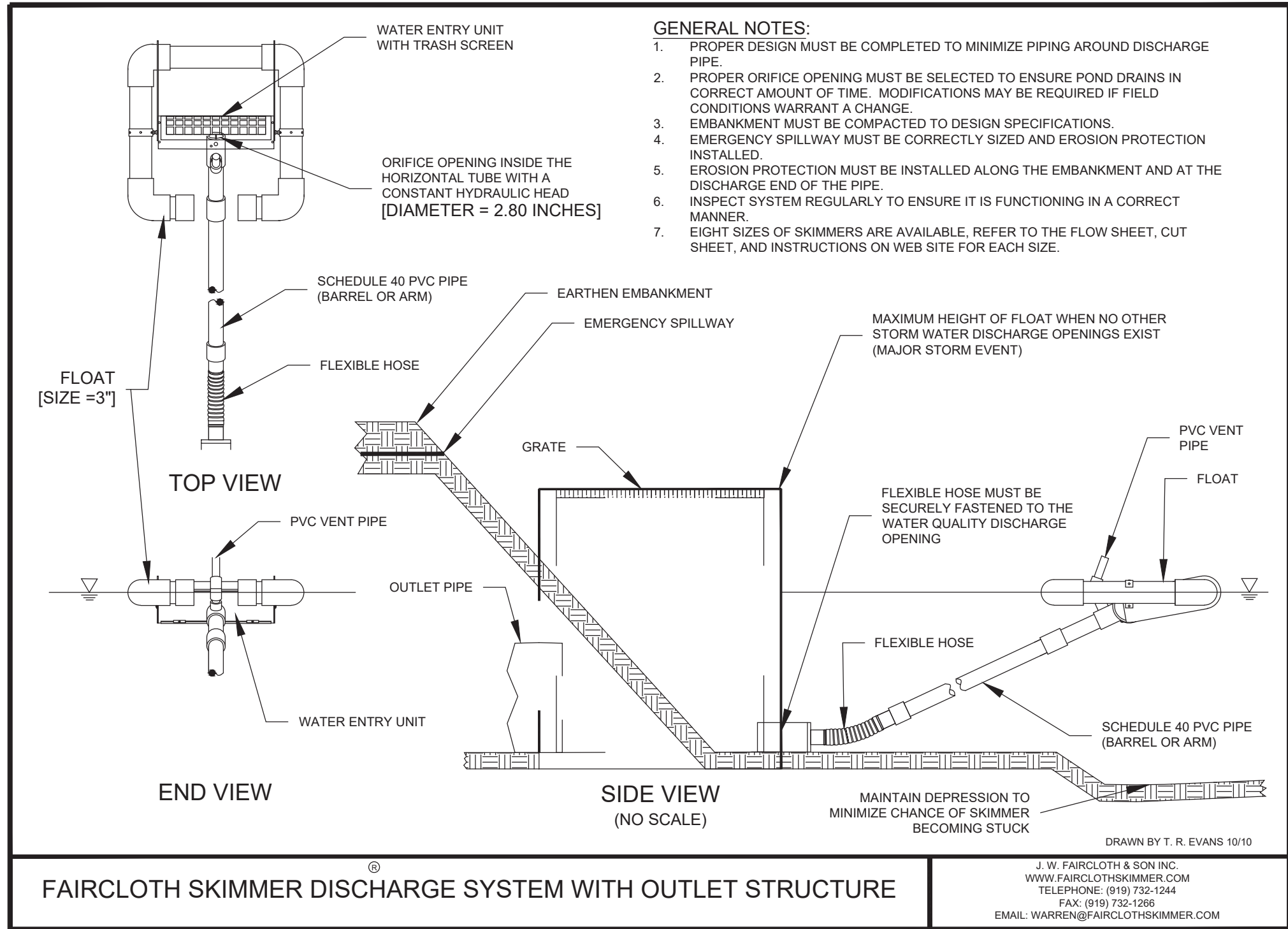
Date: \_\_\_\_\_ Permit # \_\_\_\_\_

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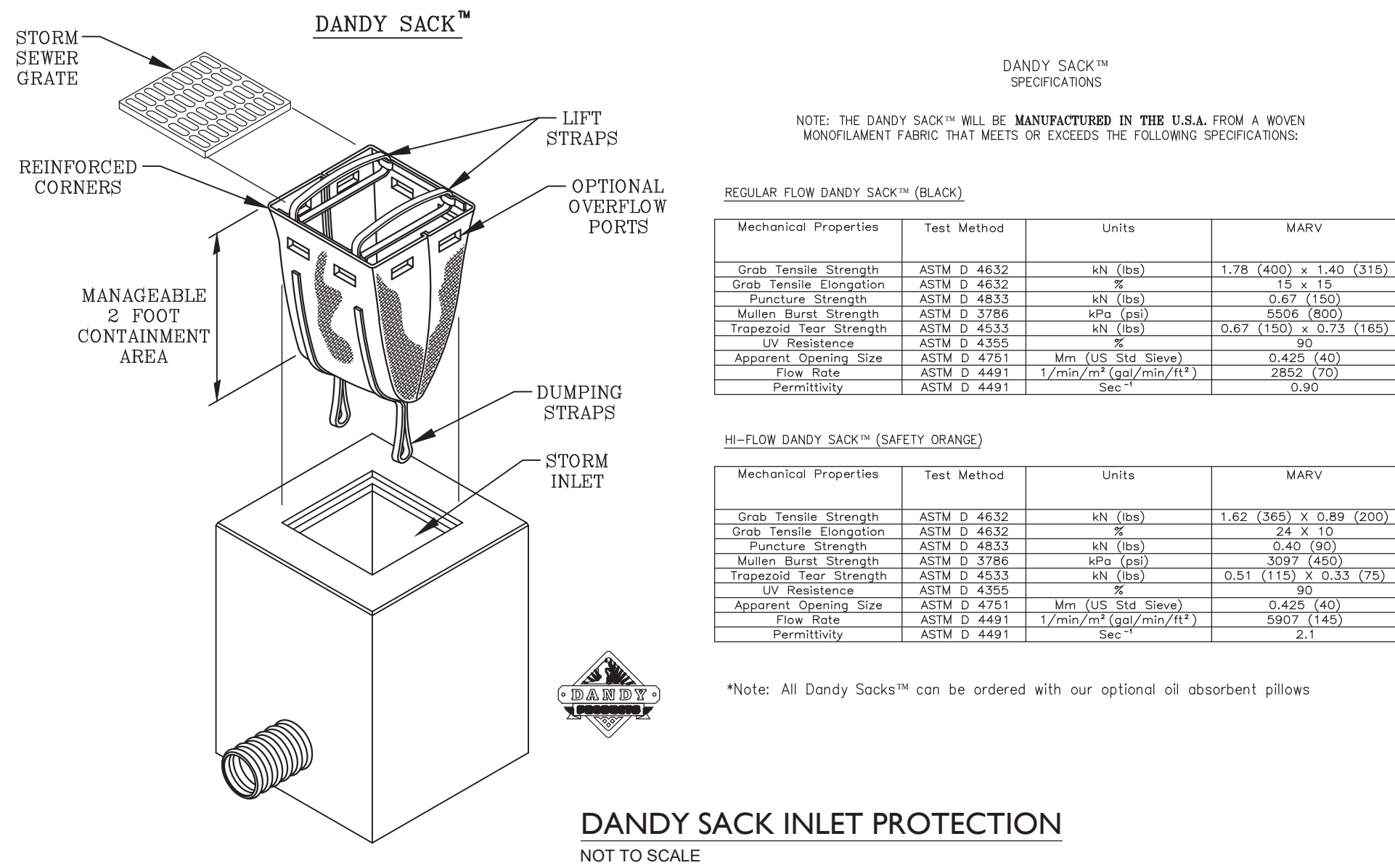
C-6.0

PEI JOB#: 19351.PE

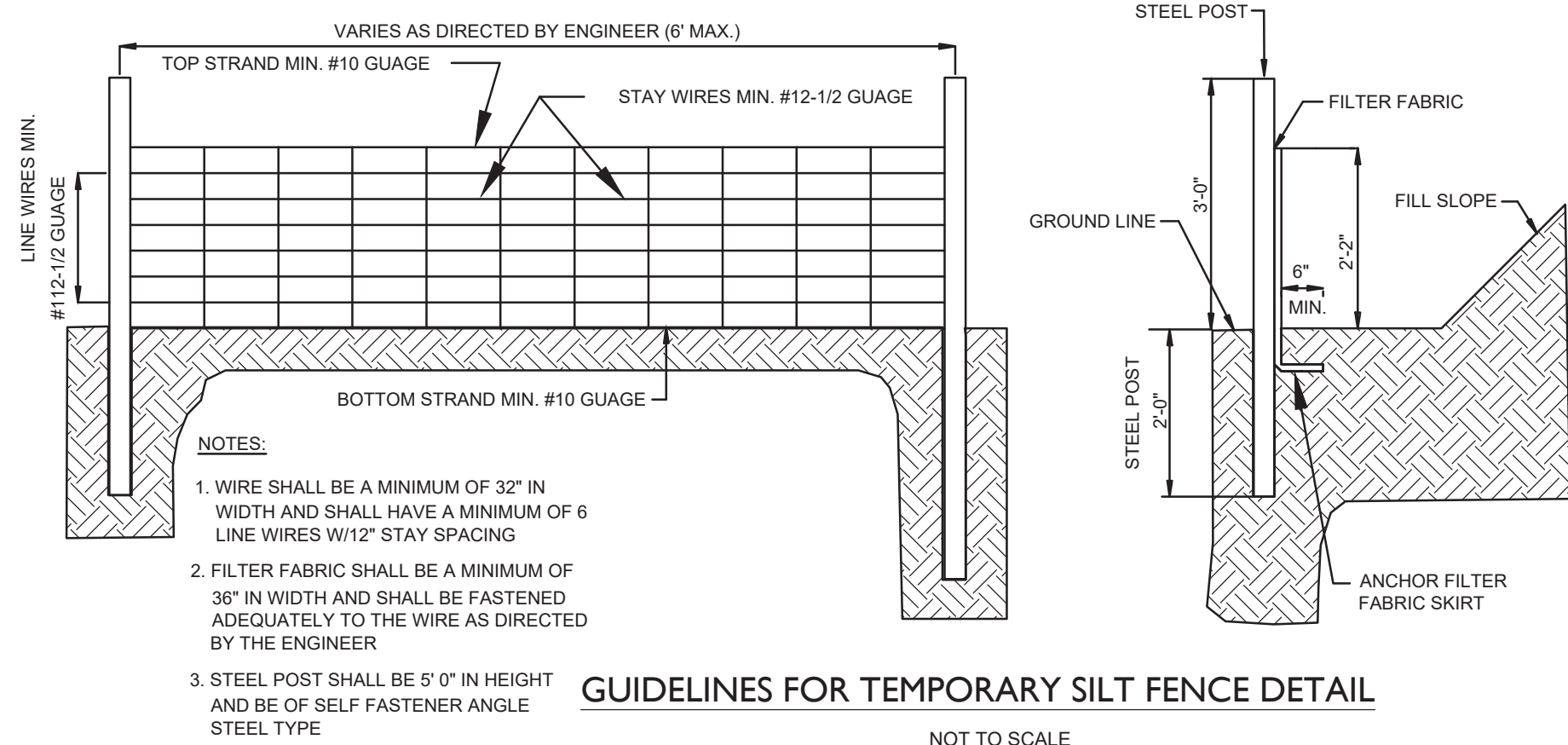




**TEMPORARY SKIMMER ATTACHED TO POND OUTLET BOX**  
NOT TO SCALE



**DANDY SACK INLET PROTECTION**  
NOT TO SCALE



#### BAFFLES

##### CONSTRUCTION SPECIFICATION

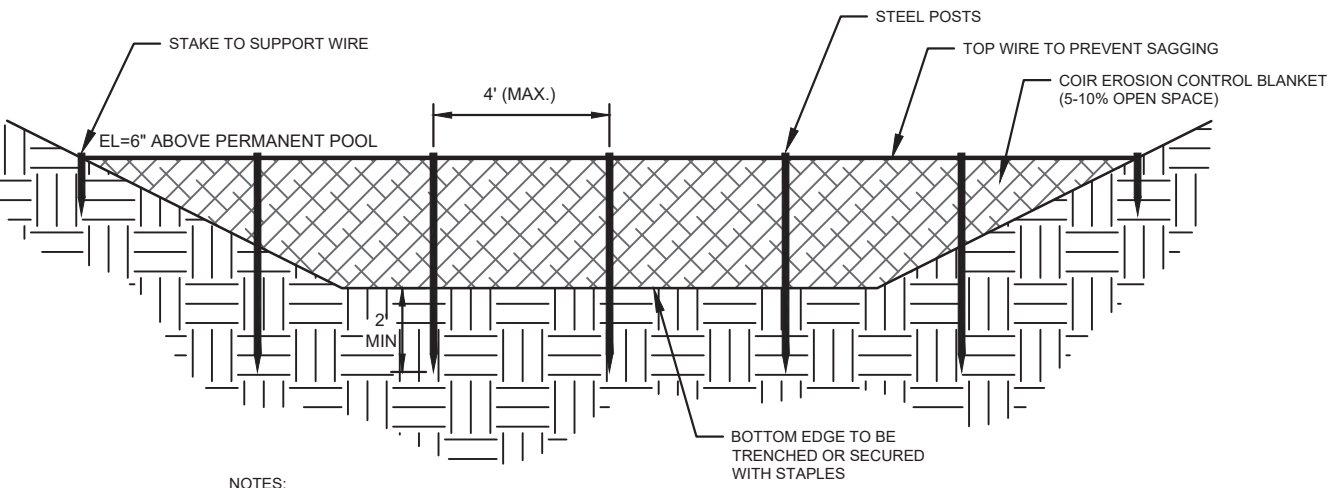
1. Grade the basin so that the bottom is level front to back and side to side.
2. Install posts or saw horses across the width of the sediment trap (Practice 6.62, *Sediment Fence*).
3. Steel posts should be driven to a depth of 24 inches, spaced a maximum of 4 feet apart, and installed up the side of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

##### MAINTENANCE

Inspect baffles at least once a week and after each rainfall. Make any required repairs immediately. Be sure to maintain access to the baffles. Should the fabric of a baffle collapse, tear, decompose, or become ineffective, replace it promptly.

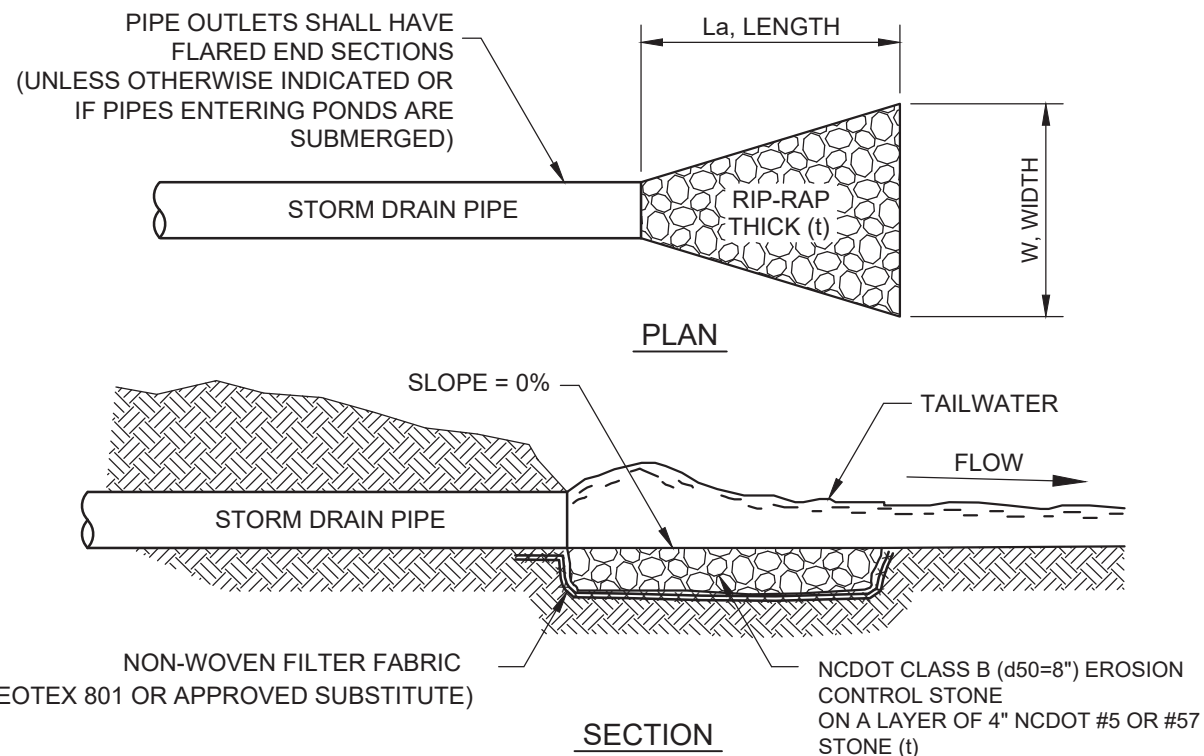
Remove sediment deposits when it reaches half full to provide adequate storage volume for the next rain and to reduce pressure on the baffles. Take care to avoid damaging the baffles during cleanup. Sediment depth should never exceed half the designed storage depth.

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



#### BAFFLE DETAIL

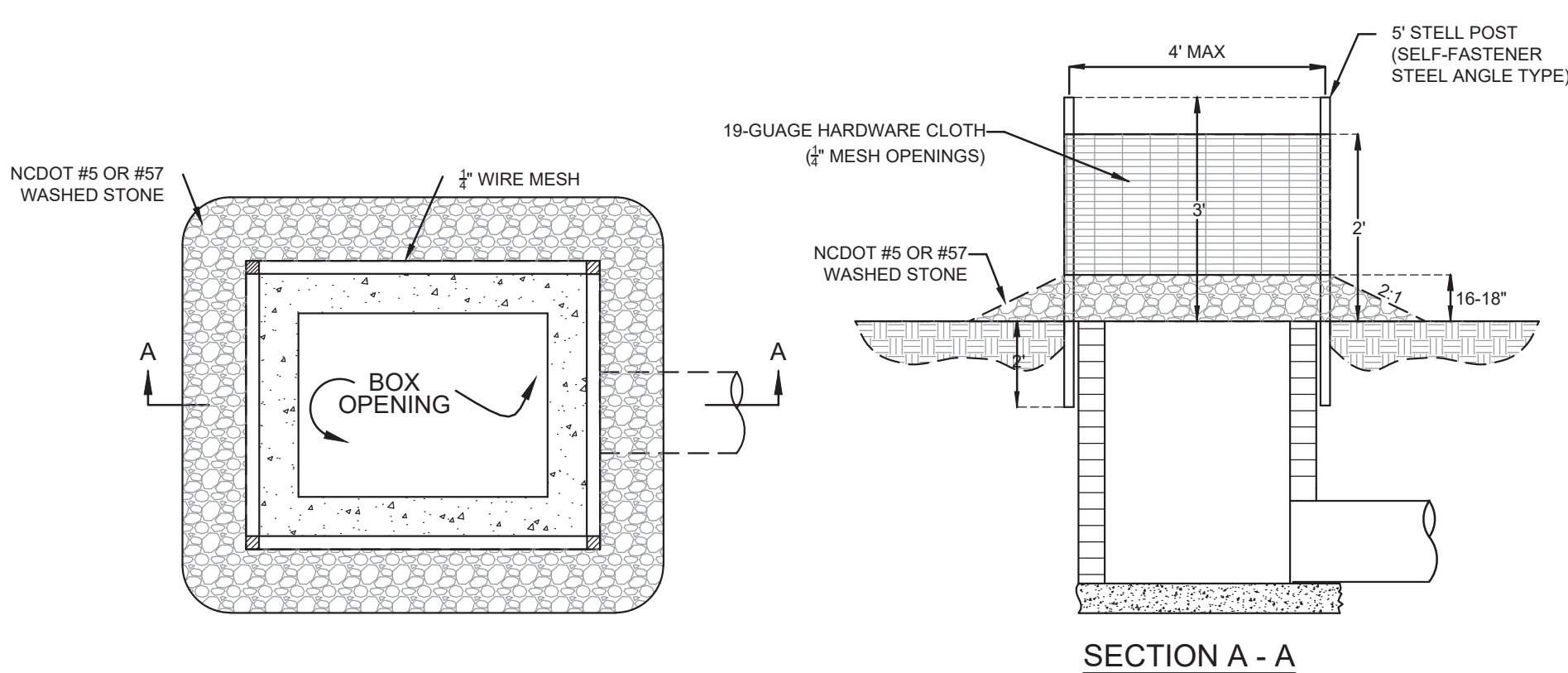
NOT TO SCALE



RIP-RAP APRON SCHEDULE					
RIPRAP LOCATIONS	PIPE DIA. (IN.)	LENGTH, La (ft)	PIPE OUTLET WIDTH (FT.)	DOWNSWSTREAM WIDTH, W (FT.)	STONE THICKNESS t (IN.)
RRA-1	54	20.0	13.5	12.5	13.5"
RRA-2	18	9.0	4.5	5.0	13.5"

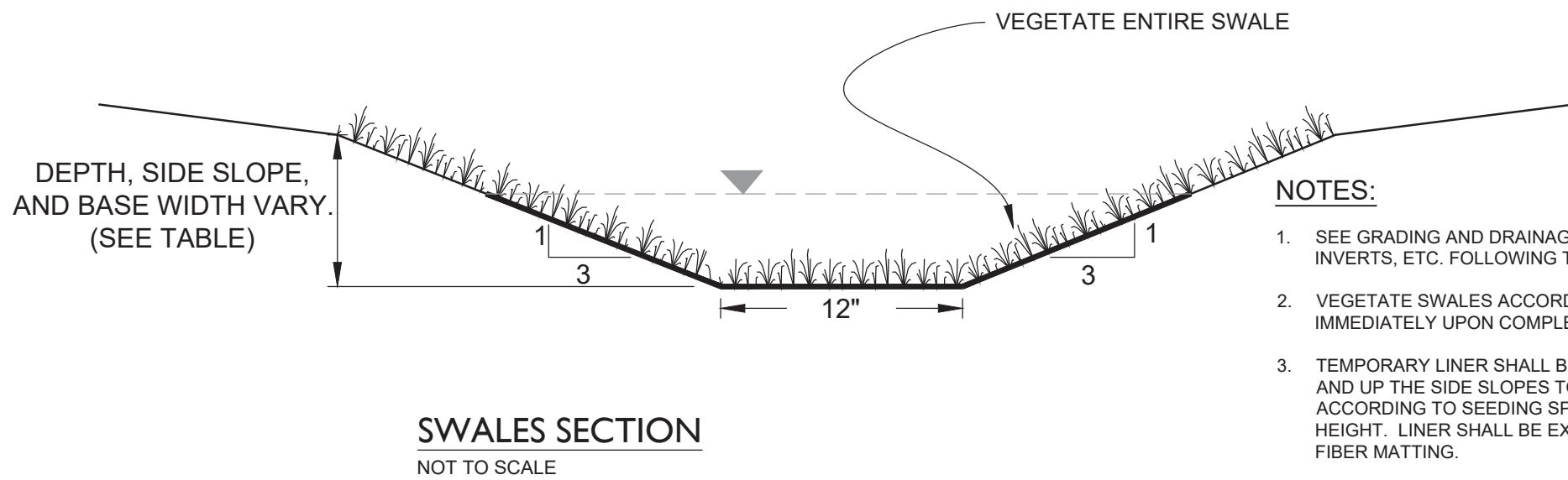
#### RIP-RAP APRON DETAIL

NOT TO SCALE



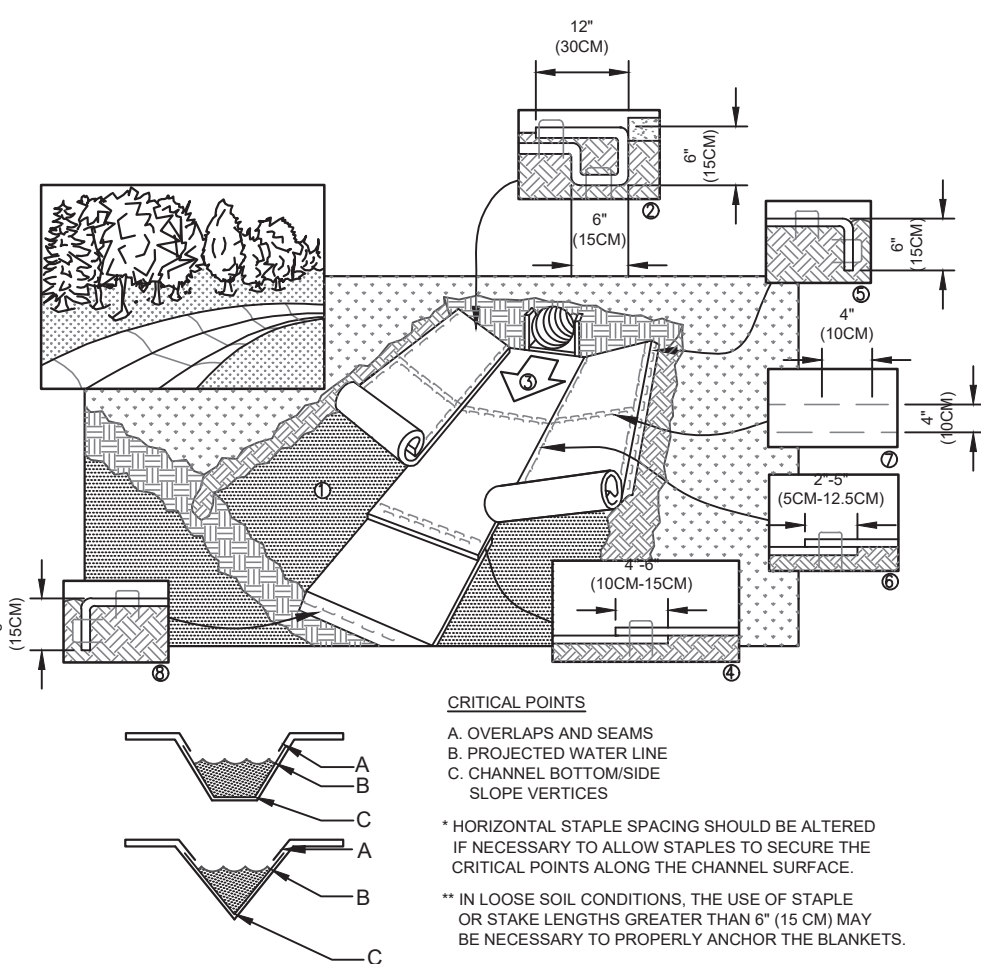
**NOTE:**  
FOR CURB INLETS AND DROP INLETS

#### INLET PROTECTION



#### SWALE SCHEDULE

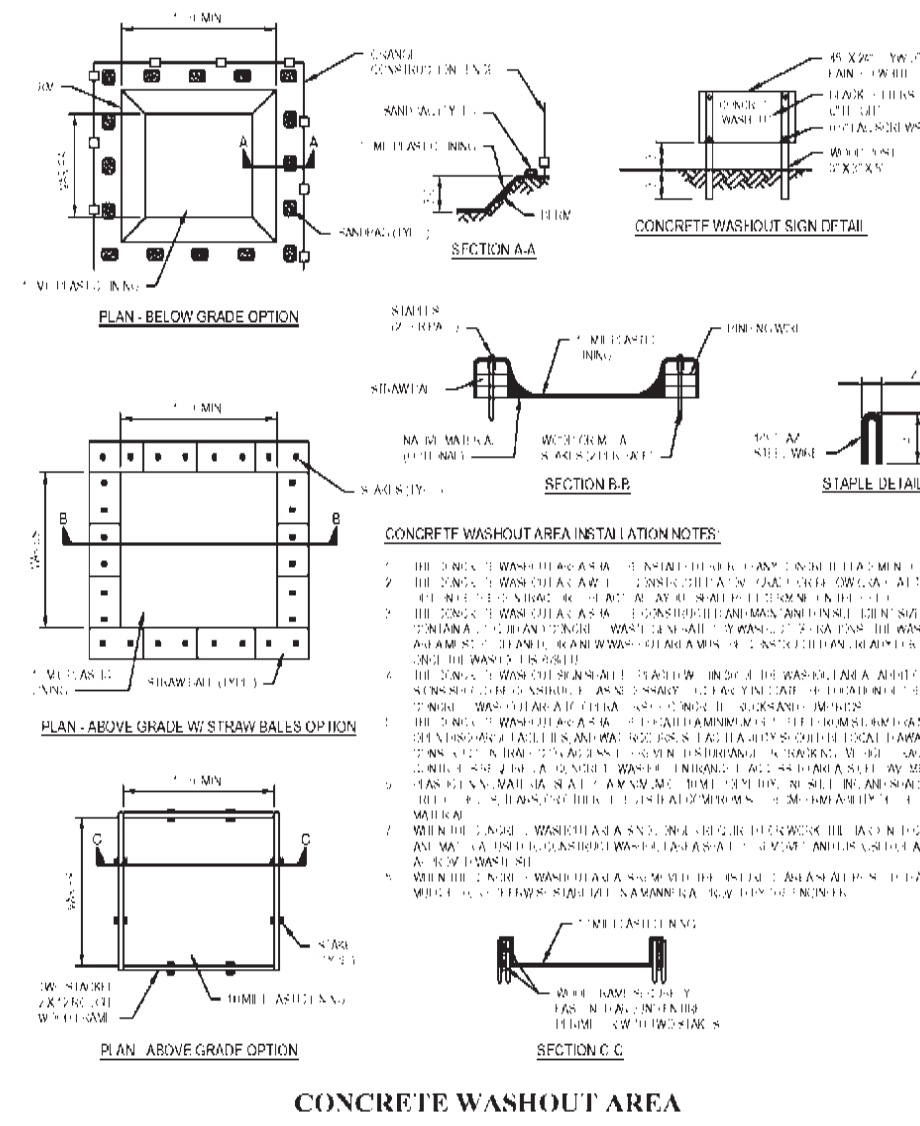
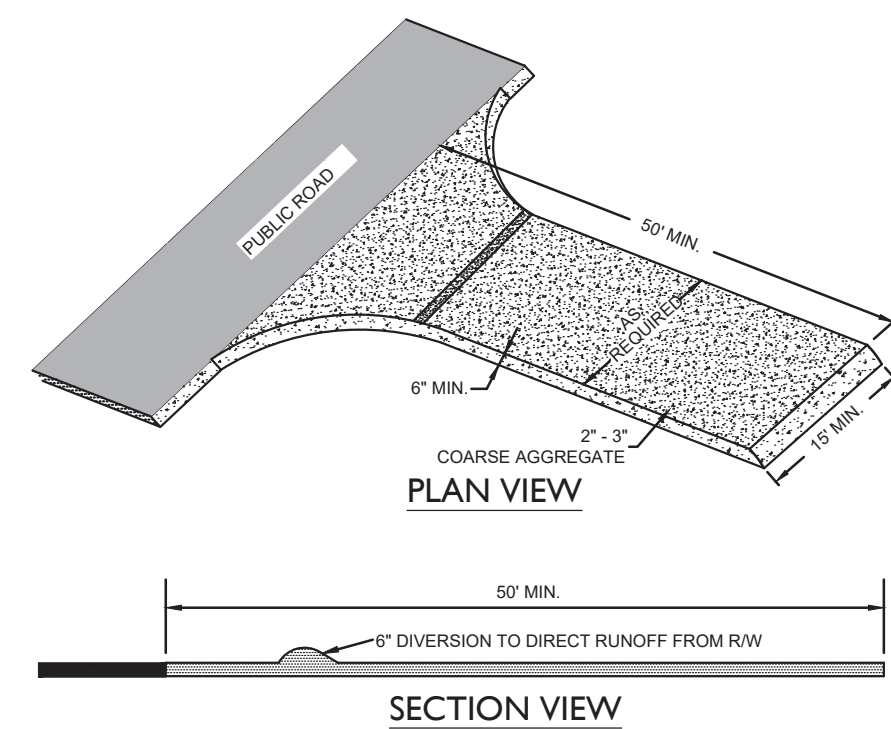
SWALE #	RUNOFF			Length (ft)	Inv Up (ft)	Inv Dwn (ft)	S (ft/ft)	d (ft)	A <sub>s</sub> (sq ft)	P (ft)	R (ft)	CHANNEL			Adequate Capacity? (Y/N)	Lining Required? (Y/N)
	A <sub>d</sub> (acres)	C	Q <sub>design</sub> (cfs)									V <sub>actual</sub> (fps)	Q <sub>actual</sub> (cfs)			
1	1.16	0.35	2.86	280	25.00	24.00	0.004	0.75	1.88	4.35	0.43	2.03	3.81	0.43	Y	N
2	2.82	0.35	6.96	536	23.00	17.00	0.011	0.85	2.30	4.80	0.48	3.85	8.84	0.48	Y	N



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

#### ROLLED EROSION CONTROL LINING

NOT TO SCALE



#### CONCRETE WASHOUT AREA

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#### Approved Construction Plan

Name \_\_\_\_\_ Date \_\_\_\_\_

Planning \_\_\_\_\_

Traffic \_\_\_\_\_

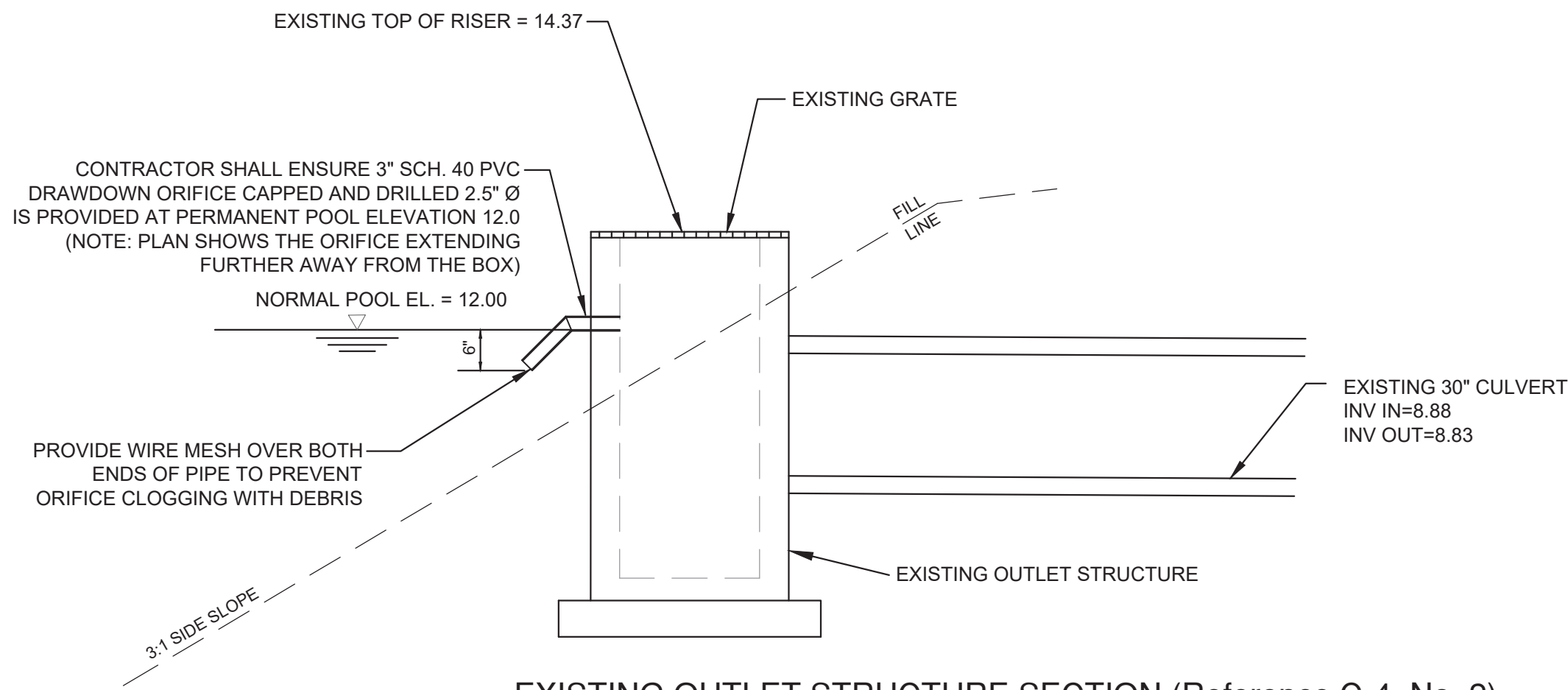
Fire \_\_\_\_\_

**CITY OF WILMINGTON**  
NORTH CAROLINA  
Public Services • Engineering Division  
APPROVED STORMWATER MANAGEMENT PLAN

Date: \_\_\_\_\_ Permit # \_\_\_\_\_

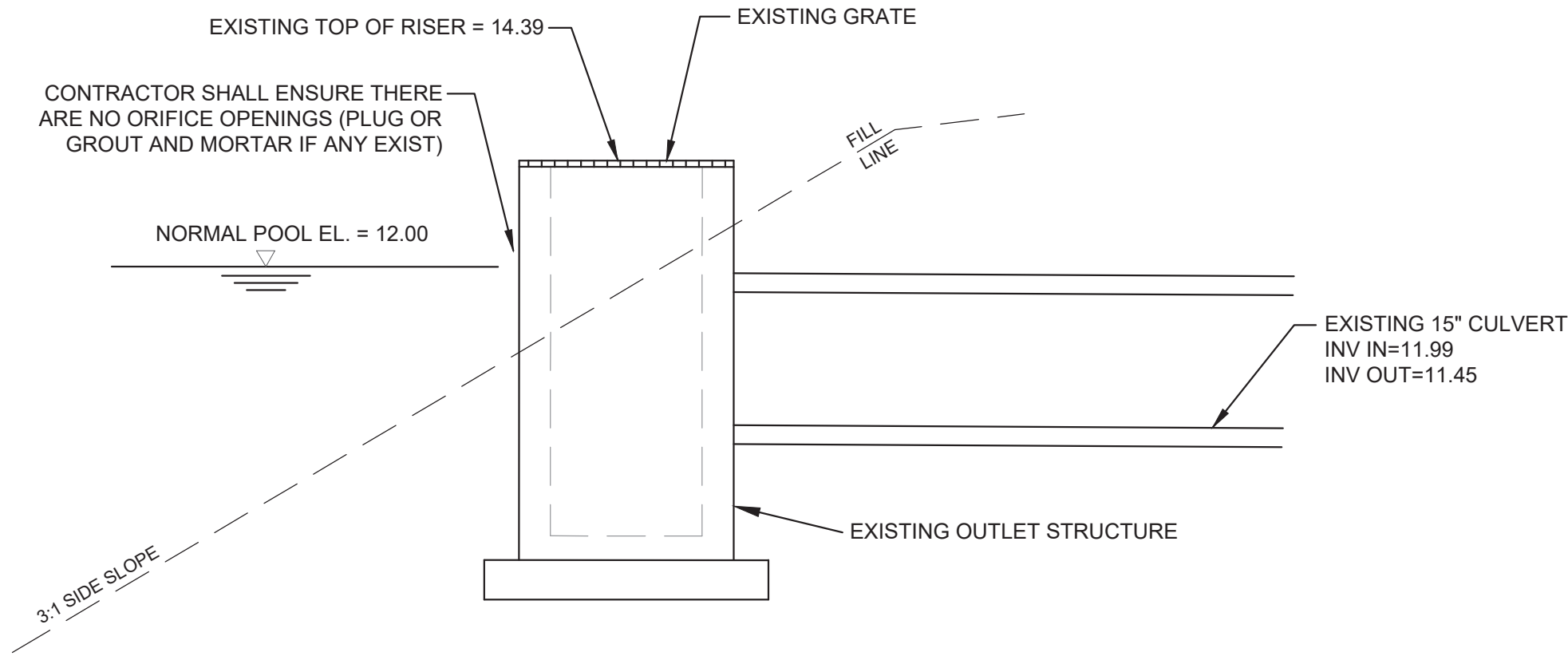
Signed: \_\_\_\_\_





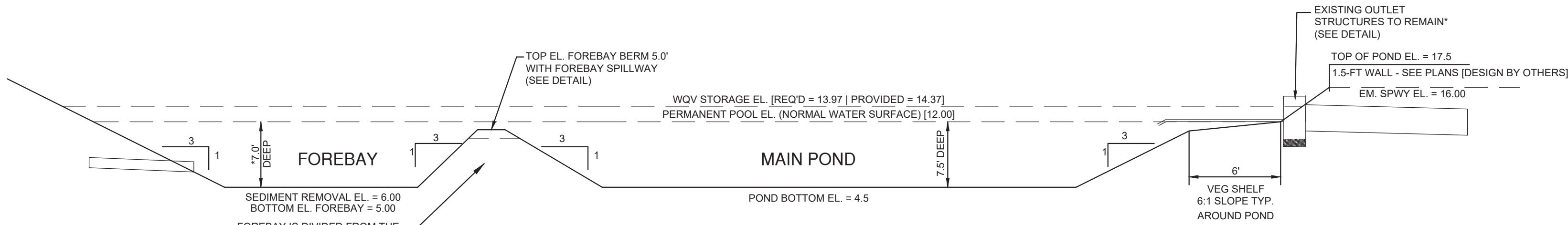
EXISTING OUTLET STRUCTURE SECTION (Reference C-4, No. 2)

NOT TO SCALE  
\*EVALUATE FOR STRUCTURAL STABILITY DURING CONSTRUCTION AND REPLACE AS NEEDED.



EXISTING SECONDARY STRUCTURE SECTION (Reference C-4, No. 2)

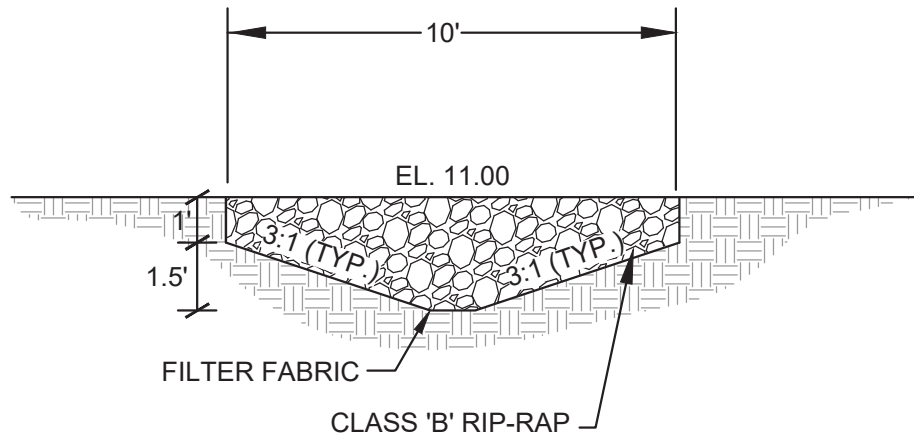
NOT TO SCALE  
\*EVALUATE FOR STRUCTURAL STABILITY DURING CONSTRUCTION AND REPLACE AS NEEDED.



FOREBAY AND STORAGE POND SECTION (Reference C-4, No. 5)

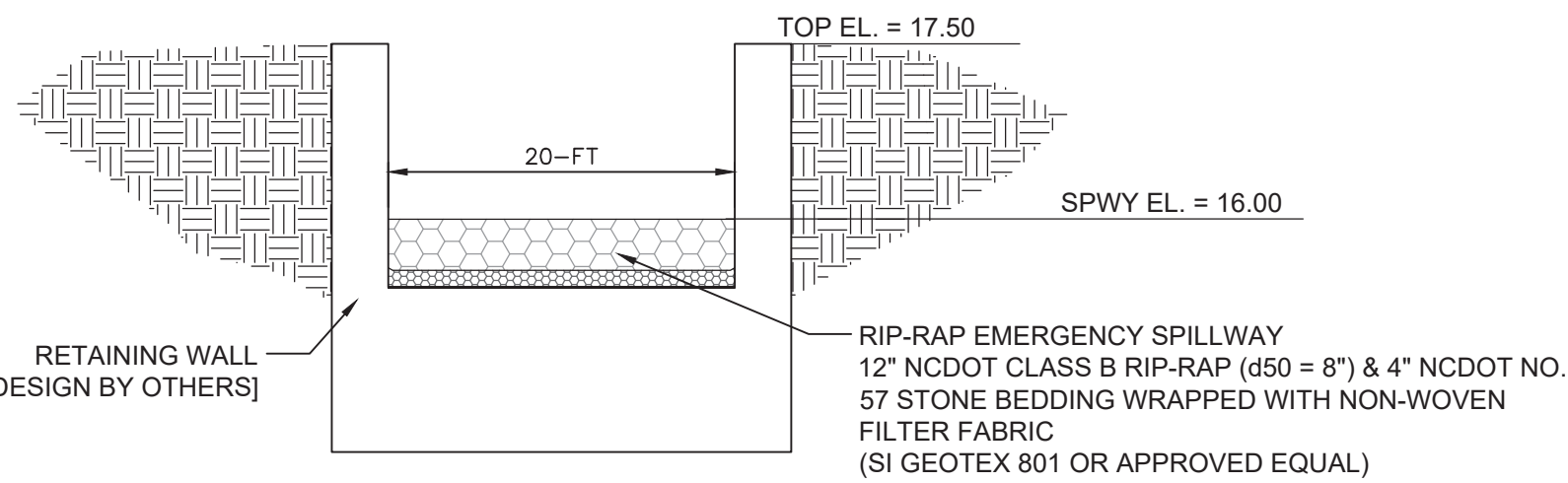
NOT TO SCALE

STRUCTURAL BERM FILL SATISFACTORY SOILS:  
SOILS WITH ORGANICS LESS THAN 2% WITH BETWEEN 30% AND 60% PASSING THE NO. 200 SIEVE WITH A PLASTICITY INDEX AND LIQUID LIMIT OF LESS THAN 20 AND 50 PERCENT, RESPECTIVELY WITH A UNIFIED SOIL CLASSIFICATION OF SC OR CL; FREE OF ROCK OR GRAVEL LARGER THAN 2" IN ANY DIMENSION, ROOTS, DEBRIS, WASTE, FROZEN MATERIALS, VEGETATION, AND OTHER DELETERIOUS MATTER AS INDICATED BY ENGINEER. COMPACT TO MIN. 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY PER ASTM D 698; SOIL SHOULD BE MOISTURE CONDITIONED BY THE CONTRACTOR BY DRYING OR WETTING THE MATERIAL TO WITHIN +/- 3 PERCENT OF THE MATERIALS OPTIMUM MOISTURE CONTENT.



FOREBAY SPILLWAY DETAIL

NOT TO SCALE

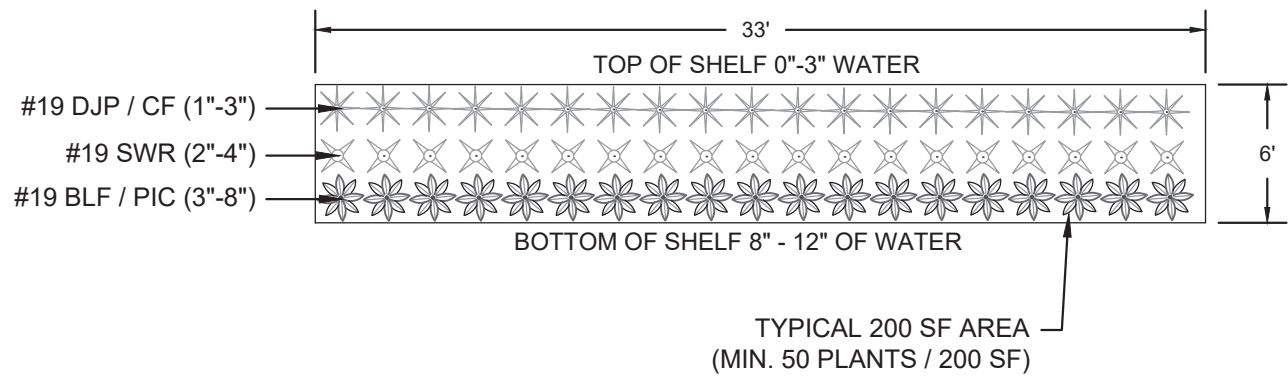


EMEREGENCY SPILLWAY DETAIL (Reference C-4, No. 3)

NOT TO SCALE

POND MINOR MODIFICATION NOTE:

WET POND PERMANENT POOL ELEVATION, DEPTH, AND SURFACE AREA MATCH THE SW8 890417 PERMIT DESIGN.

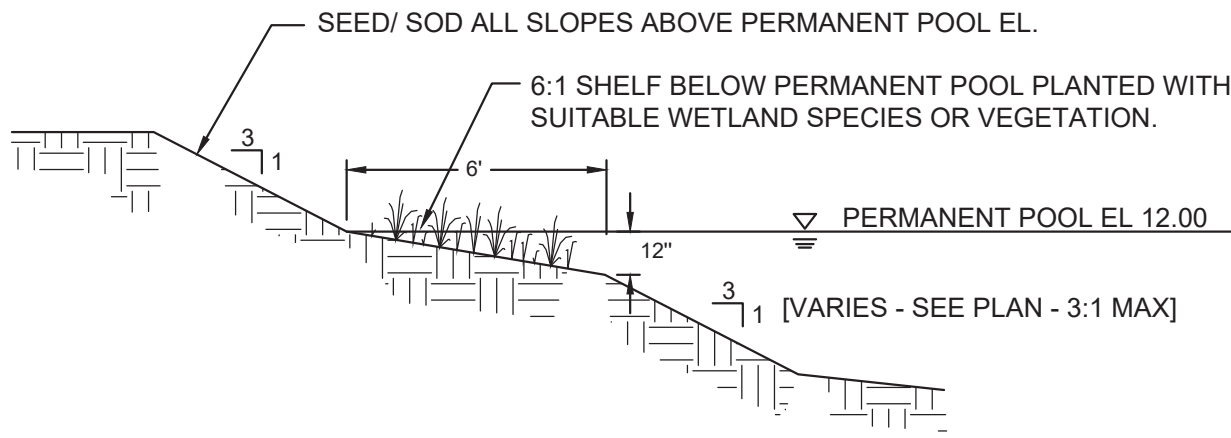


POND SHELF PLANTING  
CONTRACTOR TO INSTALL ON THE 6:1 SLOPED SHELF PLANTS AS DETAILED. MIN. THREE SPECIES MUST BE PLANTED. TRIANGULAR SPACING @ 20" O.C.  
TOTAL QUANTITY OF REQUIRED PLANTINGS: 885

SUITABLE PLANTS (PLANT SIZE = 2" PLUGS)  
PIC - PICKERELWEED (PONTEDERIA CORDATA)  
DJP - DWARF JOE PYE WEED (EUPATORIADAPHNUS DUBIOUS)  
SWR - SWAMP ROSE (HIBISCUS MOSHEUTOS)  
BLF - BLUE FLAG (IRIS VIRGINICA)  
CF - CARDINAL FLOWER (LOBELIA CARDINALIS)

VEGETATIVE SHELF PLANTING SECTION (Reference C-4, No. 6)

NOT TO SCALE



POND SECTION (Reference C-4, No. 6)

NOT TO SCALE

FOUNTAIN (REFERENCE C-4, No. 7):

OASE 1/4 HP Floating Fountain with Lights

Aerates and decorates large ponds

Includes three fountain nozzles (Trumpet, 3-Tier & Single Tier)

Includes three LED Lights with dusk-to-dawn sensor

Includes float and three 25' mooring lines

50' power cord length

3 year warranty

Dimensions: (Diameter x Height) 14.3" x 18.9"

Voltage: 115V / 60 Hz

Watts: 130

Max Flow Rate: 2300 GPH

Max Head Height: 21'

Max Fountain Height: 10'

Single Tier Display Dimensions: 16" diameter x 10' height

3-Tier Display Dimensions: 6.5" diameter x 10' height

Trumpet Display Dimensions: 15.75" diameter x 3.6" height (Adjustable)

Cord Length: 50'

Minimum Operating Depth: 2.5'

Warranty: 3 Years (2 Years + 1 Year Extension upon Product Registration)



FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:	

CLIENT INFORMATION:

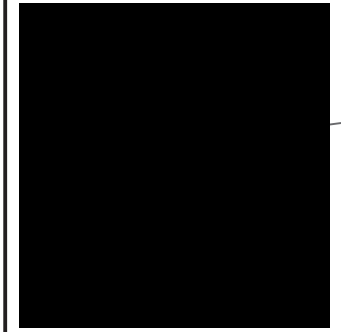
STATE STREET-GALLERIA, LLC  
PO BOX 12477  
CHARLOTTE, NC 28220

PARAMOUNT ENGINEERING, INC.  
122 Cinema Drive  
Wilmington, North Carolina 28403  
(910) 791-6707 (O) (910) 791-6760 (F)  
NC License # - C-2846

CIVIL DETAILS

THE GALLERIA  
CITY OF WILMINGTON  
NEW HANOVER CO. NORTH CAROLINA

PROJECT STATUS	8/26/19 CONCEPT LAYOUT: 8/26/19 FINAL DESIGN: 8/26/19 RELEASED FOR CONSTRUCTION: 8/26/19
DRAWING INFORMATION	DATE: 11/02/20 SCALE: AS NOTED DRAWN: DJF CHECKED: DJF



C-6.2

PEI JOB#: 19351.PE

Approved Construction Plan	
Name _____	Date _____
Planning _____	
Traffic _____	
Fire _____	



Public Services • Engineering Division

APPROVED STORMWATER MANAGEMENT PLAN

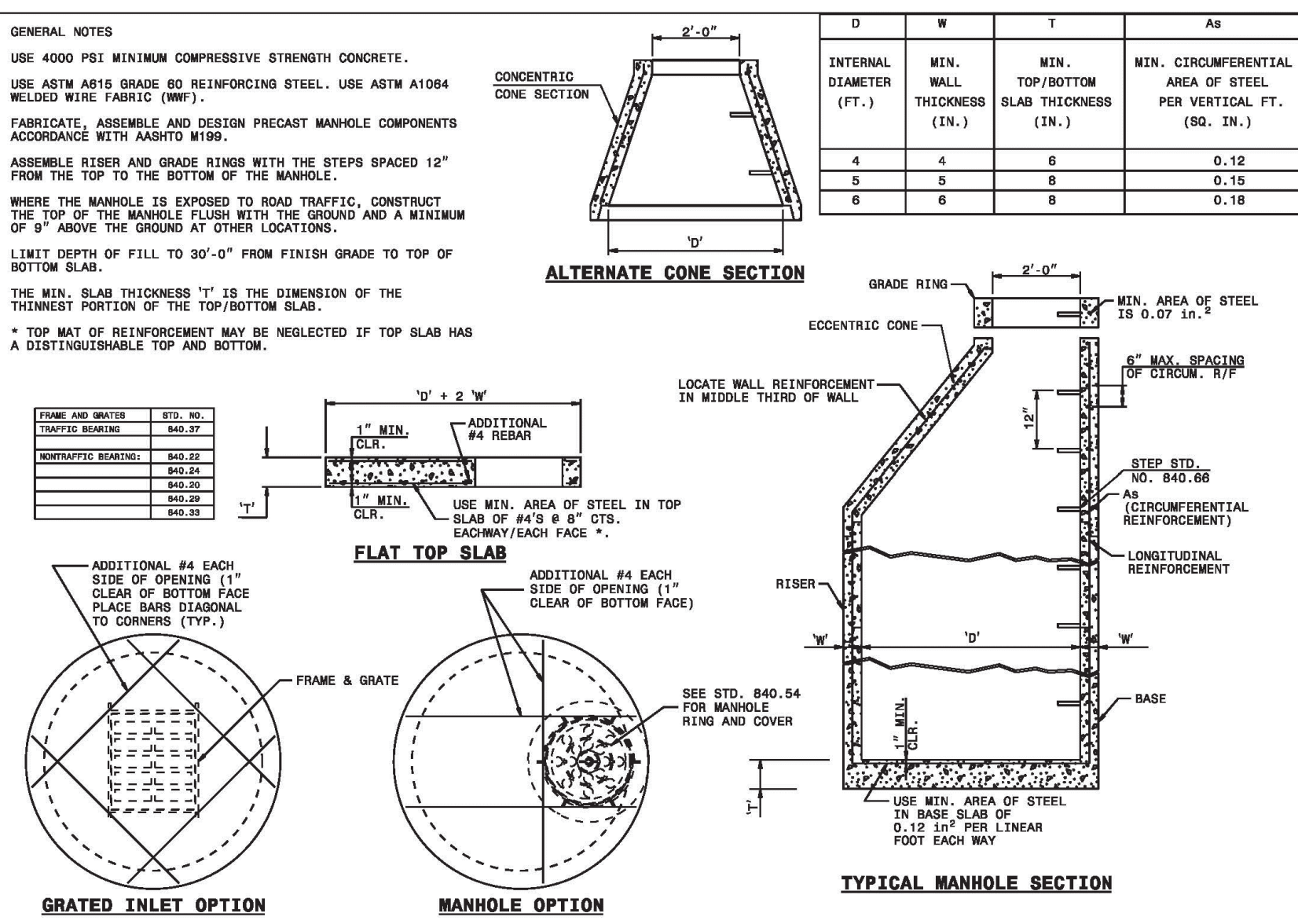
Date: \_\_\_\_\_ Permit # \_\_\_\_\_

Signed: \_\_\_\_\_

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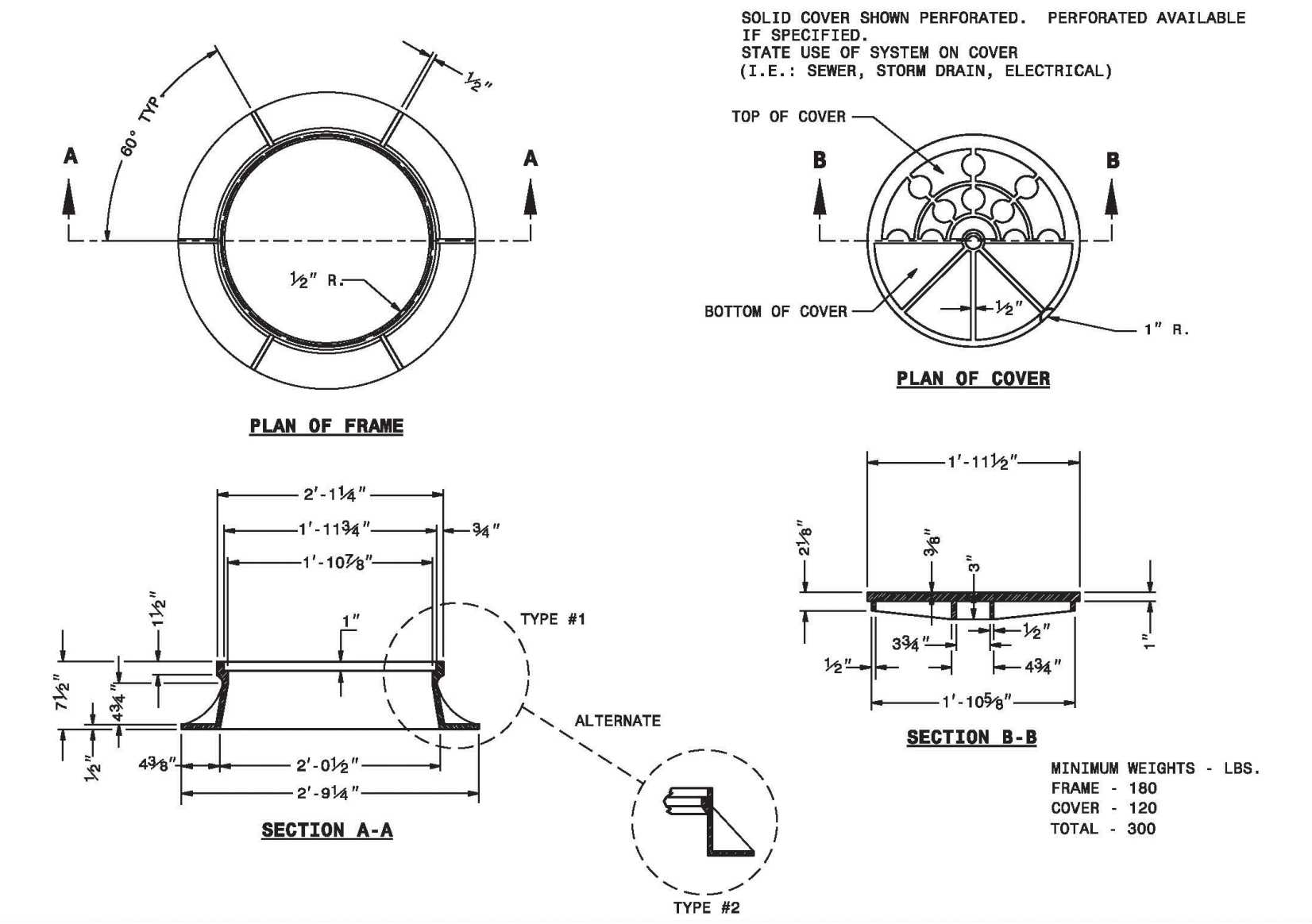
GENERAL NOTES:  
USE 4000 PSI MINIMUM COMPRESSIVE STRENGTH CONCRETE.  
USE ASTM A615 GRADE 60 REINFORCING STEEL. USE ASTM A106 WELDED WIRE FABRIC (WFF).  
FABRICATE, ASSEMBLE AND DESIGN PRECAST MANHOLE COMPONENTS ACCORDANCE WITH AASHTO M190.  
ASSEMBLE RISER AND GRADE RISER WITH THE STEPS SPACED 12" FROM THE TOP TO THE BOTTOM OF THE MANHOLE.  
WHERE THE MANHOLE IS EXPOSED TO ROAD TRAFFIC, CONSTRUCT THE TOP OF THE MANHOLE FLUSH WITH THE GROUND AND A MINIMUM OF 9" ABOVE THE GROUND AT OTHER LOCATIONS.  
LIMIT DEPTH OF FILL TO 30'-0" FROM FINISH GRADE TO TOP OF BOTTOM SLAB.  
THE MIN. SLAB THICKNESS "1" IS THE DIMENSION OF THE THINNEST PORTION OF THE TOP/BOTTOM SLAB.  
\* TOP WAY OF REINFORCEMENT MAY BE NEGLECTED IF TOP SLAB HAS A DISTINGUISHABLE TOP AND BOTTOM.



STATE OF NORTH CAROLINA  
DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH, N.C.

ROADWAY STANDARD DRAWING FOR  
PRECAST MANHOLE 4', 5' AND 6' DIAMETER  
12" THRU 48" PIPE

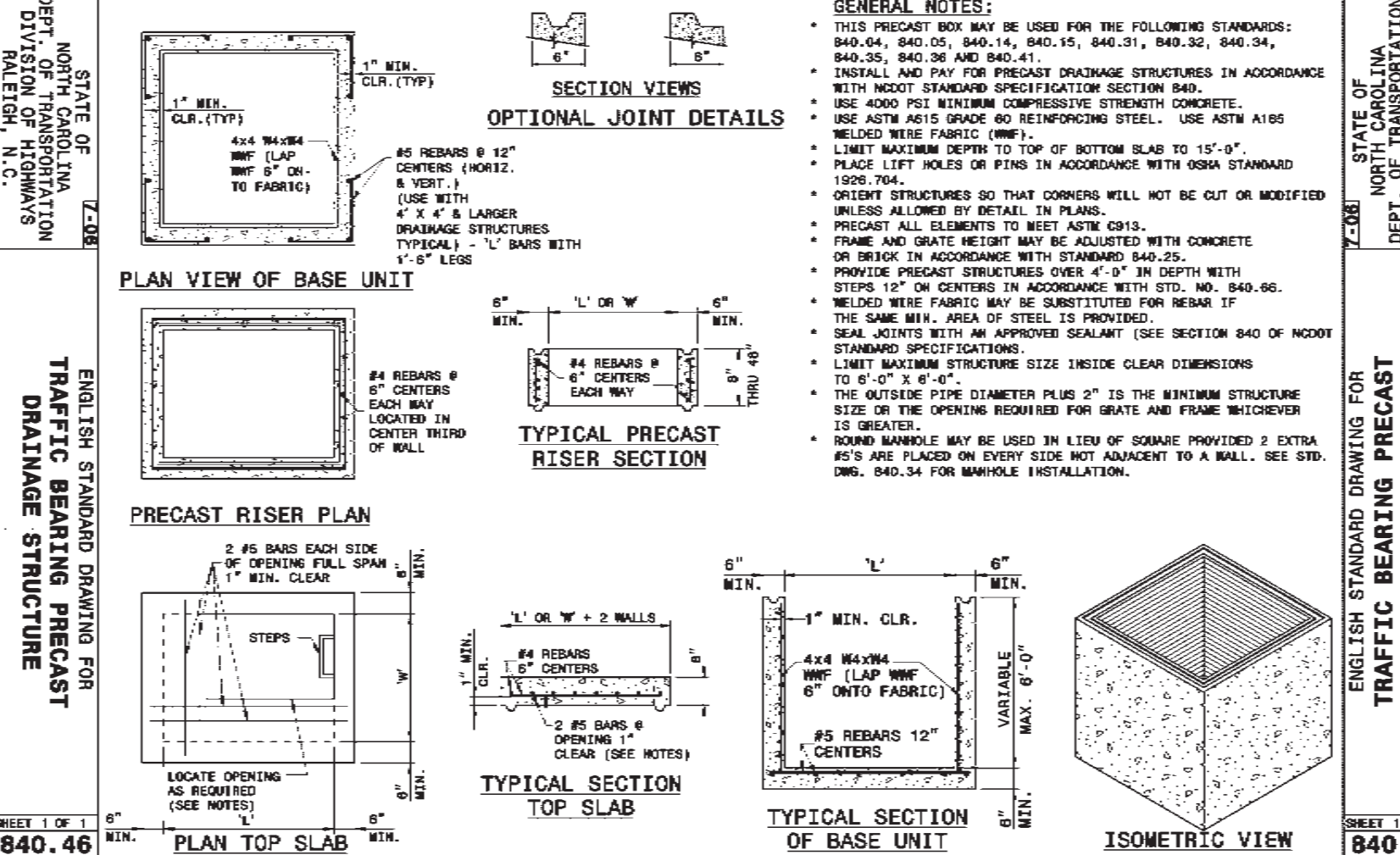
SHEET 1 OF 1  
840.52



STATE OF NORTH CAROLINA  
DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH, N.C.

ROADWAY STANDARD DRAWING FOR  
MANHOLE FRAME AND COVER

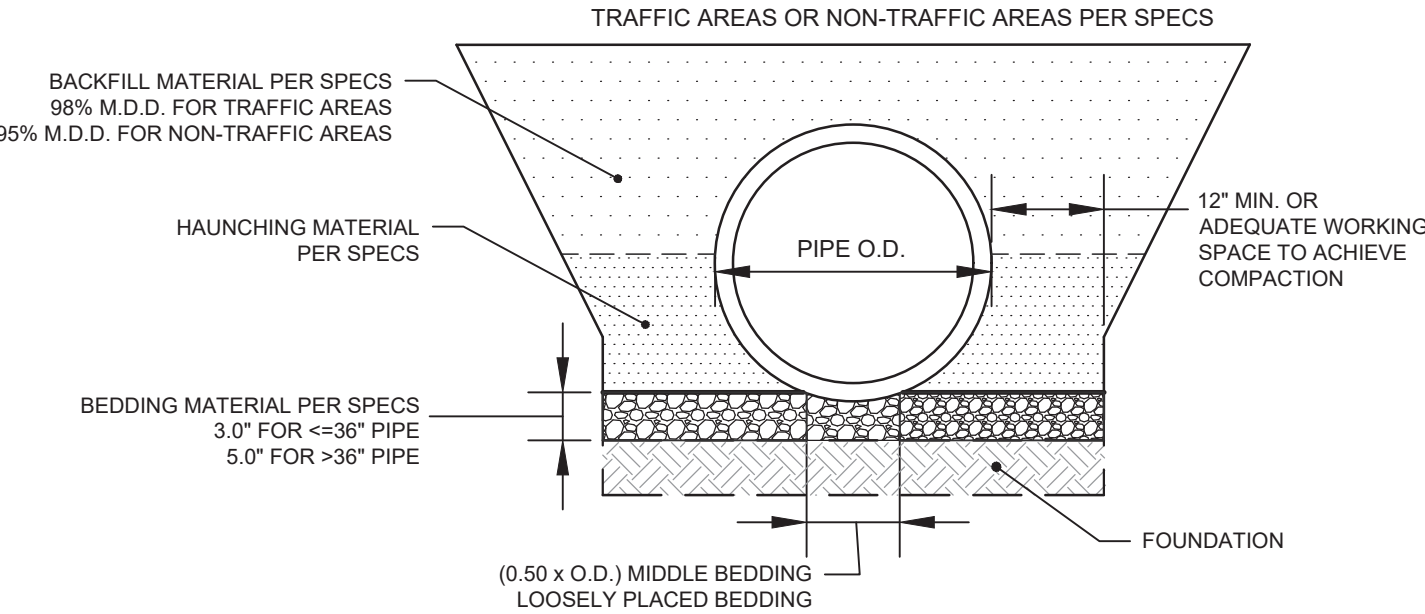
SHEET 1 OF 1  
840.54



STATE OF NORTH CAROLINA  
DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH, N.C.

ENGLISH STANDARD DRAWING FOR  
TRAFFIC BEARING PRECAST DRAINAGE STRUCTURE

SHEET 1 OF 1  
840.46

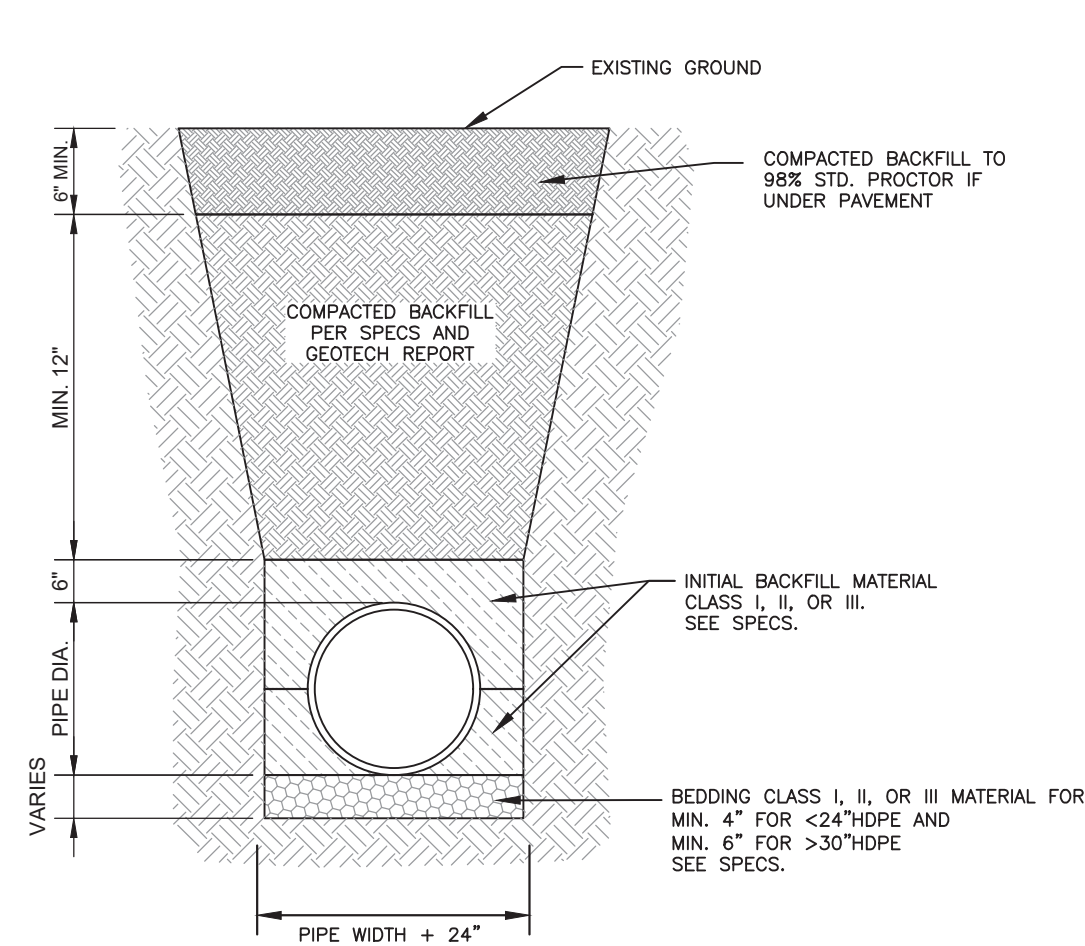


NOTES:

1. INSTALLATION DETAIL REFERENCES ASTM C-1479, "STANDARD PRACTICE FOR INSTALLATION OF CONCRETE SEWER, STORM DRAIN, AND CULVERT PIPE USING STANDARD INSTALLATIONS," LATEST EDITION.
2. EXCAVATION FOR STORM DRAINAGE PIPE SHALL BE TO THE LINES AND GRADES AS SHOWN ON THE DRAWINGS.
3. THE BEDDING SHALL PROVIDE A FIRM FOUNDATION OF UNIFORM DENSITY ALONG THE ENTIRE LENGTH OF PIPE. RECESSES SHALL BE MADE TO ACCOMMODATE BELLS AND JOINTS.
4. WHERE UNSUITABLE SOILS ARE ENCOUNTERED AS DEFINED PER THE SPECIFICATIONS, UNSUITABLE SOILS MUST BE UNDERCUT AND FILLED WITH SUITABLE SOIL AND COMPACTED TO NOT LESS THAN 95 PERCENT OF MAXIMUM DRY UNIT WEIGHT IN ACCORDANCE WITH ASTM D 698.

STORM DRAIN CONCRETE PIPE TRENCH

NOT TO SCALE



STORM DRAIN HDPE/HP PIPE TRENCH

NOT TO SCALE

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

Approved Construction Plan

Name \_\_\_\_\_ Date \_\_\_\_\_

Planning \_\_\_\_\_

Traffic \_\_\_\_\_

Fire \_\_\_\_\_



Public Services • Engineering Division

APPROVED STORMWATER MANAGEMENT PLAN

Date: \_\_\_\_\_ Permit # \_\_\_\_\_

Signed: \_\_\_\_\_

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

PROJECT STATUS

8/26/19  
CONCEPT LAYOUT:  
8/16/19  
FINAL DESIGN: COT  
RELEASED FOR CONSTRUCTION

DRAWING INFORMATION

DATE: 11/02/2020  
SCALE: AS NOTED  
DRAWN: ASB  
CHECKED: TOC

CIVIL DETAILS

THE GALLERIA  
CITY OF WILMINGTON  
NEW HANOVER CO. NORTH CAROLINA

PARAMOUNT ENGINEERING, INC.  
122 Cinema Drive  
Wilmington, North Carolina 28403  
(910) 791-6707 (O) (910) 791-6760 (F)  
N.C. License # - C-2846

CLIENT INFORMATION:

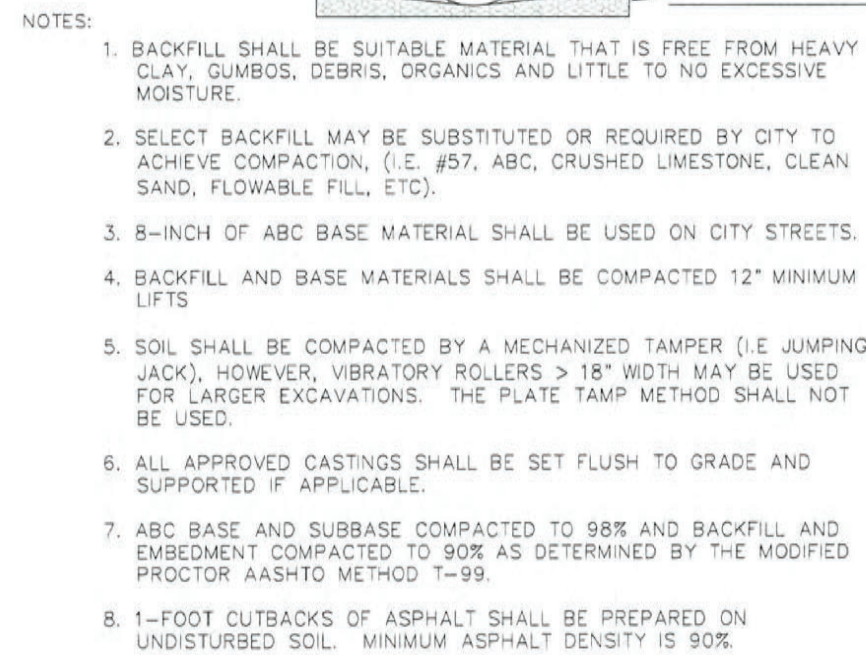
STATE STREET-GALLERIA, LLC  
PO BOX 12477  
CHARLOTTE, NC 28220

REVISIONS:

NO.	DATE	DESCRIPTION

PEI JOB#: 19351.PE

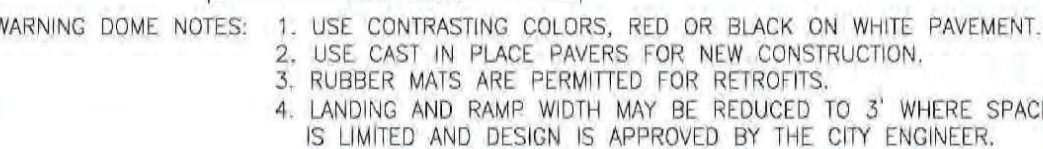




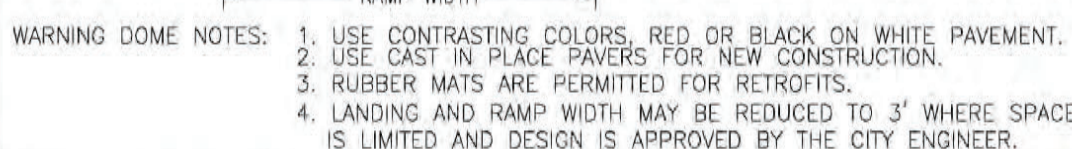
**CITY OF WILMINGTON**  
NORTH CAROLINA

CITY OF WILMINGTON  
ENGINEERING OFFICE  
114 CHESTNUT STREET  
WILMINGTON, N.C. 28401  
(910) 341-7807


**SD 1-05**



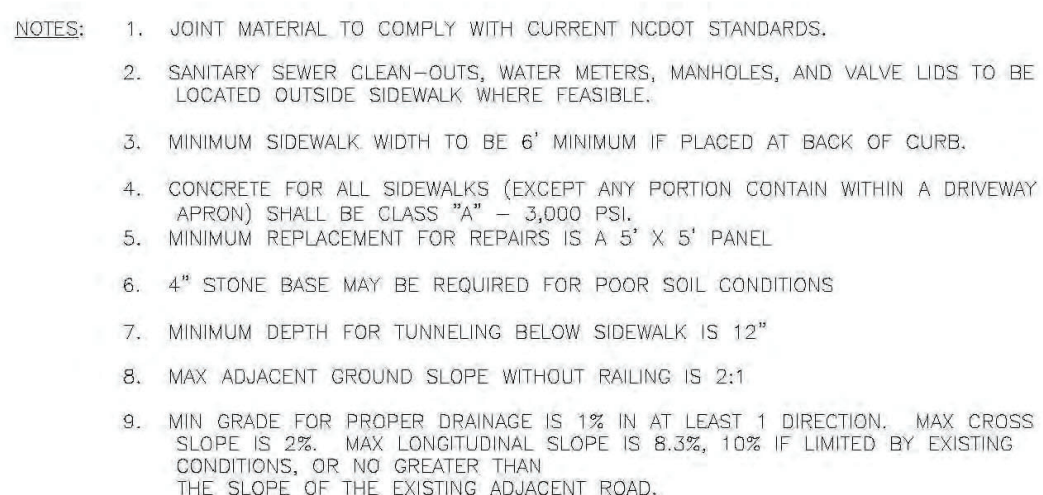
**W**<sup>CITY OF</sup>  
**WILMINGTON**  
NORTH CAROLINA  
CITY OF WILMINGTON ENGINEERING  
PO BOX 1810  
WILMINGTON N.C. 28402  
(910) 341-7807



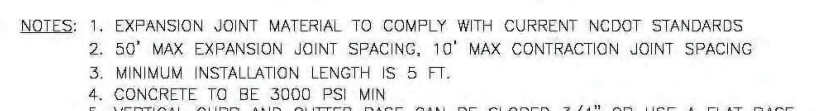
**W**<sup>CITY OF</sup>  
**WILMINGTON**  
NORTH CAROLINA  
CITY OF WILMINGTON ENGINEERING  
PO BOX 1810  
WILMINGTON N.C. 28402  
(910) 341-7807



CITY OF WILMINGTON  
NORTH CAROLINA  
CITY OF WILMINGTON ENGINEERING  
PO BOX 1810  
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**W**<sup>CITY OF</sup>  
**WILMINGTON**  
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**WILMINGTON**  
CITY OF  
NORTH CAROLINA  
CITY OF WILMINGTON ENGINEERING  
PO BOX 1810  
WILMINGTON, N.C. 28402  
(910) 341-7807

REVISIONS:

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PARAMOUNT

<b>PROJECT STATUS</b>	8/30/19	11.02.2019
CONCEPTUAL LAYOUT:	9/18/19	AS NOTED
PRELIMINARY LAYOUT:		AS R
FINAL DESIGN:		AS R
RELEASED FOR CONST:		DU
<b>DRAWING INFORMATION</b>		
DATE:		
SCALE:		
DESIGNED:		
DRAWN:		
CHECKED:		

PEI JOB#: 19351.PE

11

C-6.4

Approved Construction Plan

Name \_\_\_\_\_ Date \_\_\_\_\_

\_\_\_\_\_

Planning	
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Traffic \_\_\_\_\_

Fire

File \_\_\_\_\_

[illegible]

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CITY OF  
WILMINGTON  
NORTH CAROLINA

Public Services • Engineering Division

APPROVED STORMWATER MANAGEMENT PLAN

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Journal compilation © 2006 Blackwell Publishing Ltd

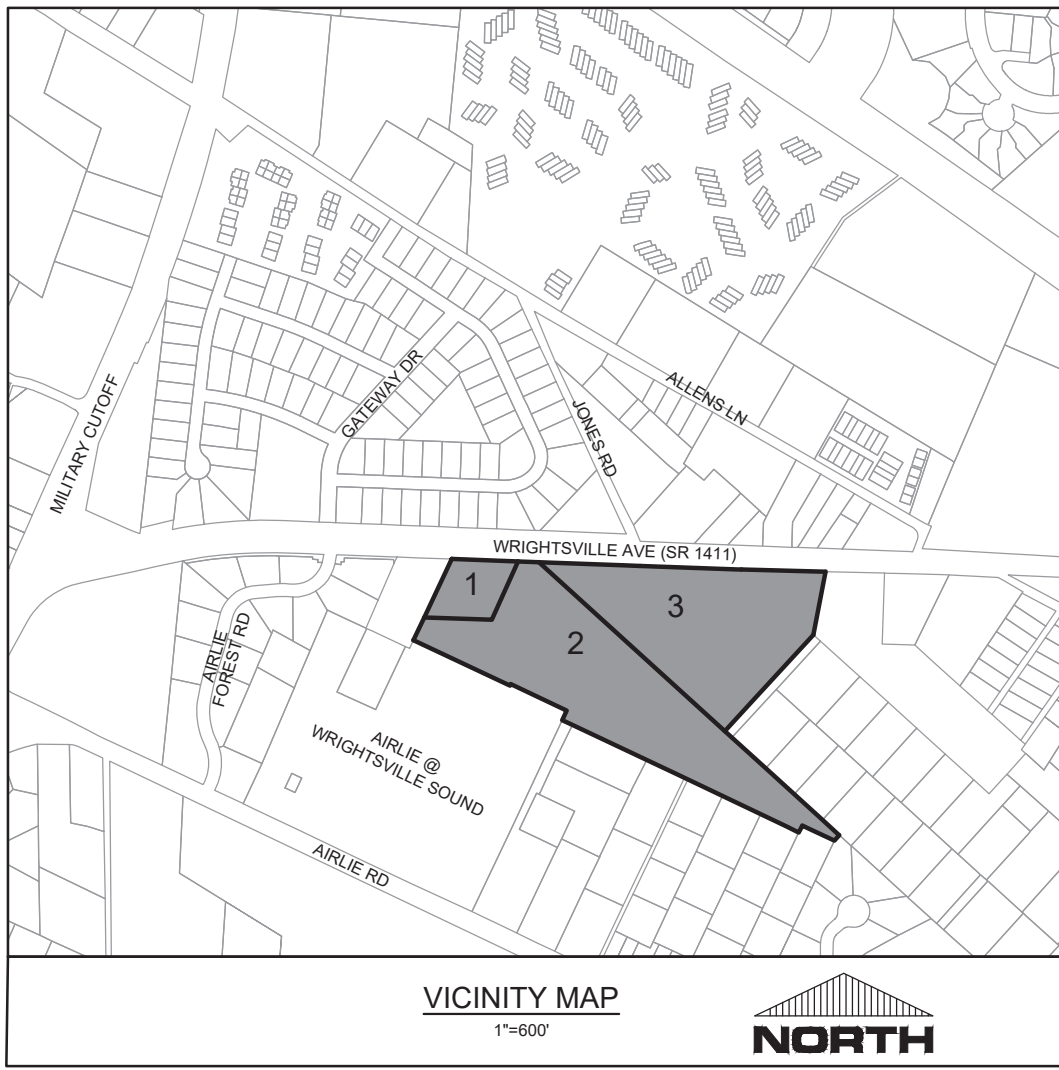
Date: \_\_\_\_\_ Permit # \_\_\_\_\_

Signed: \_\_\_\_\_

Signature \_\_\_\_\_

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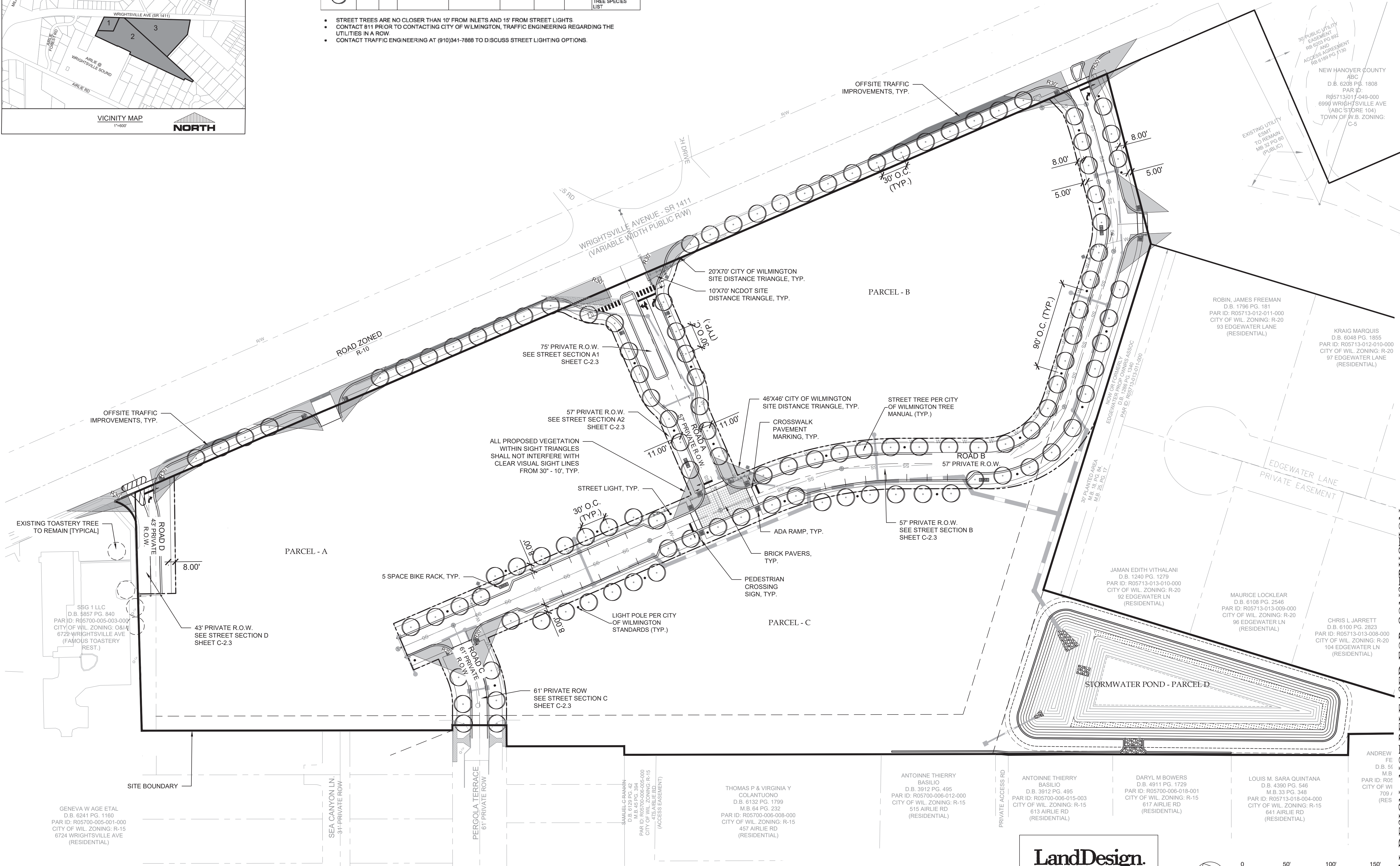
PLANT SCHEDULE							
TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	MIN. CONT.	MIN. CAL.	MIN. HT.
	CACA	115	Carpinus caroliniana	American Hornbeam	8/8	2"	10-12'
OR APPROVED EQUAL PER CITY OF WILMINGTON TREE SPECIES LIST							

- STREET TREES ARE NO CLOSER THAN 10' FROM INLETS AND 15' FROM STREET LIGHTS.
- CONTACT 811 PRIOR TO CONTACTING CITY OF WILMINGTON, TRAFFIC ENGINEERING REGARDING THE UTILITIES IN A ROW.
- CONTACT TRAFFIC ENGINEERING AT (910)341-7888 TO DISCUSS STREET LIGHTING OPTIONS.

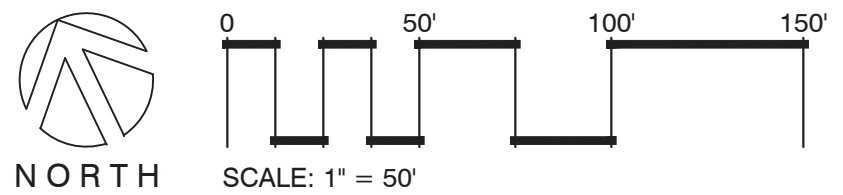
For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

**CITY OF WILMINGTON**  
Public Services • Engineering Division  
APPROVED STORMWATER MANAGEMENT PLAN  
Date: \_\_\_\_\_ Permit #: \_\_\_\_\_  
Signed: \_\_\_\_\_

**Approved Construction Plan**  
Name \_\_\_\_\_ Date \_\_\_\_\_  
Planning \_\_\_\_\_  
Traffic \_\_\_\_\_  
Fire \_\_\_\_\_



**LandDesign.**  
223 NORTH GRAHAM STREET  
CHARLOTTE, NC 28202  
704.333.0325  
WWW.LANDESIGN.COM



REVISIONS:

CLIENT INFORMATION:

**PARAMOUNT ENGINEERING, INC.**  
122 Cinema Drive  
Wilmington, North Carolina 28403  
(910) 791-6707 (O) (910) 791-6760 (F)  
NC License # C-2846

LANDSCAPE PLAN

**THE GALLERIA**  
CITY OF WILMINGTON  
NEW HANOVER CO. NORTH CAROLINA

PROJECT STATUS	DATE
CONCEPT LAYOUT	8/26/19
FINAL DESIGN	9/18/19
RELEASED FOR CONSTRUCTION	11/02/20

DRAWING INFORMATION  
DATE: 11/02/20  
SCALE: 1" = 50'  
DRAWN: ASR  
CHECKED: TCC

SEAL

L-1.0

PEI JOB#: 19351.PE

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION



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

City of Wilmington

Public Services

Engineering Division

APPROVED STORMWATER MANAGEMENT PLAN

Date: \_\_\_\_\_

Permit # \_\_\_\_\_

Signed: \_\_\_\_\_

Approved Construction Plan

Name \_\_\_\_\_

Date \_\_\_\_\_

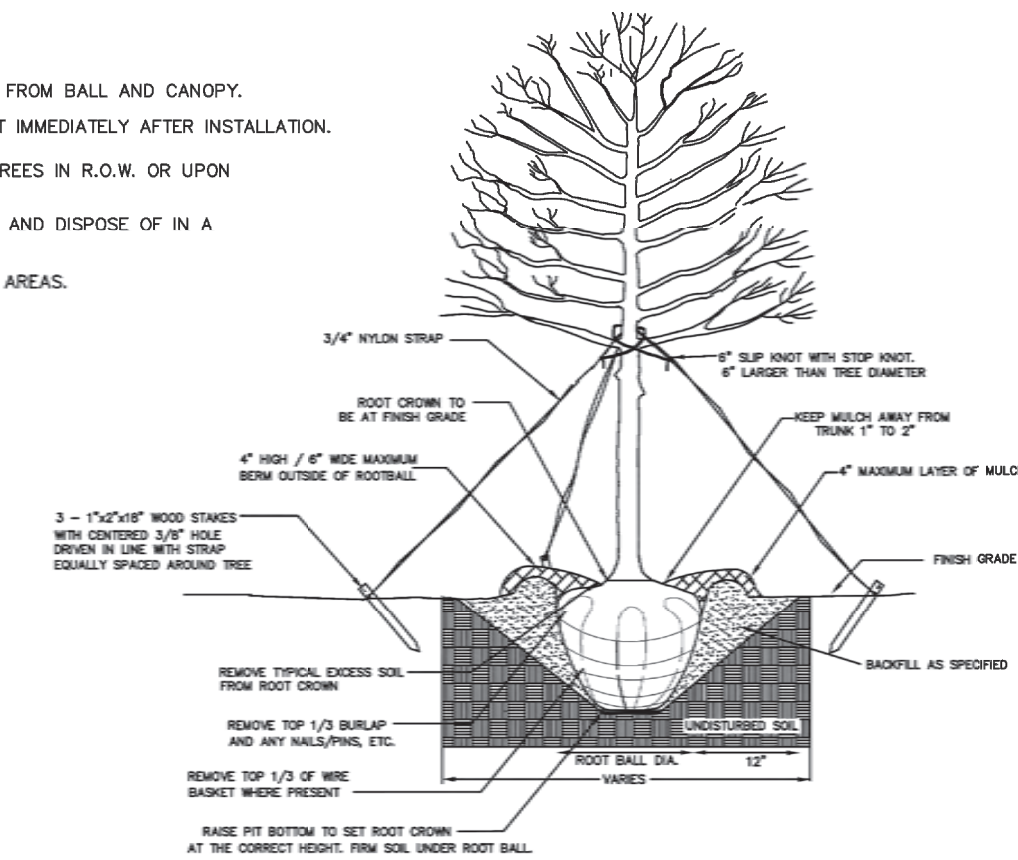
Planning \_\_\_\_\_

Traffic \_\_\_\_\_

Fire \_\_\_\_\_

NOTES:

1. REMOVE WIRE AND NYLON TWINE FROM BALL AND CANOPY.
2. SOAK ROOT BALL AND PLANT PIT IMMEDIATELY AFTER INSTALLATION.
3. STAKING IS REQUIRED FOR ALL TREES IN R.O.W. OR UPON REQUEST OF ARBORIST.
4. REMOVE EXCESS SOIL FROM SITE AND DISPOSE OF IN A LEGAL MANNER.
5. RESEED UNMULCHED, DISTURBED AREAS.



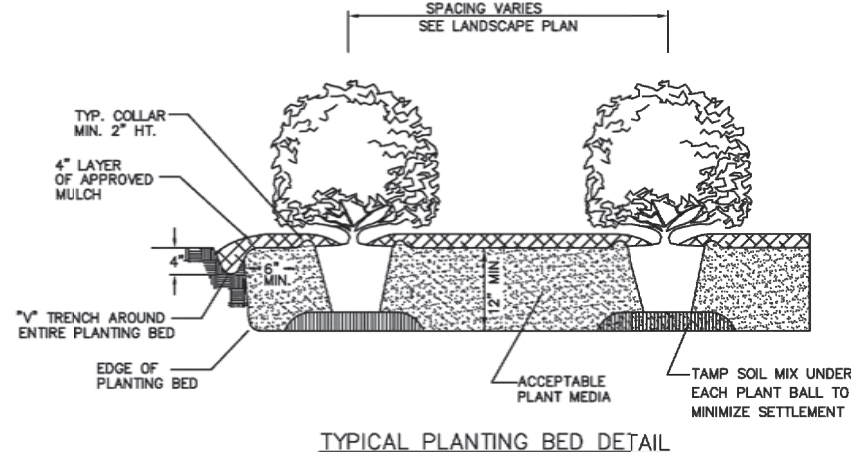
ALL TREES SHALL MEET AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1-2004)  
FOR EXAMPLE:

CALIPER	HEIGHT (RANGE)	MAX. HEIGHT	MIN. ROOT BALL DIA.	MIN. ROOT BALL DEPTH
2"	12-14'	18'	24"	18"
4"	14-16'	22'	36"	24"

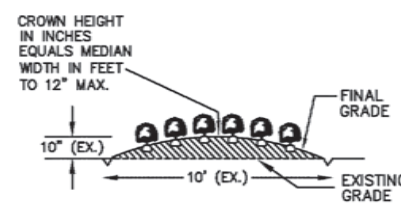
NOT TO SCALE

NOTES:

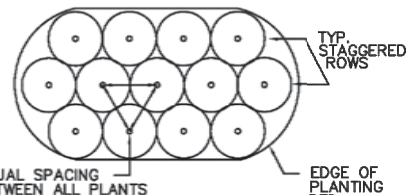
1. SCARIFY ROOT MASS OF CONTAINERIZED PLANT MATERIAL.
2. INSTALL CONTAINERIZED PLANTS AT FINISHED GRADE.
3. TAMP PLANTING MIX FIRMLY AS PIT IS FILLED AROUND EACH PLANT BALL.
4. OMIT COLLAR AROUND EACH SHRUB WHEN IRRIGATION SYSTEM IS PRESENT.
5. SOAK EACH PLANT BALL AND PIT IMMEDIATELY AFTER INSTALLATION.



TYPICAL PLANTING BED DETAIL



TYPICAL BED CROWNING



TYPICAL PLANTING BED PLAN

1. No plantings over thirty (30) inches in height allowed in vision clearance.
2. Protection from vehicular traffic provided around all landscaping with a minimum height of six (6) inches.
3. Owner is responsible for maintenance to ensure plant material lives and prospers.
4. Planting plans shall be approved by Landscape Designer prior to installation.
5. Landscaping shall be required at the ends of all parking rows.
6. A low buffer shall be required where parking is within fifty (50) feet of the Right-of-Way.
7. Landscaped islands shall be a minimum width of twelve (12) feet (back of curb to back of curb) and a minimum of two hundred and sixteen (216) square feet.
8. A minimum of fifteen (15) trees 2 inches or greater in diameter as measured 6 inches above ground per **disturbed** acre.
9. For recommended Plant List see "Landscape" T-10.4.

STANDARD DETAIL	
DATE: APRIL, 2008	<div><div>City of Wilmington</div><div>City of Wilmington Engineering</div><div>PO BOX 1810</div><div>WILMINGTON, NC 28402</div><div>(910) 341-7807</div></div> <div>SD 15-14</div>
DRAWN BY JSR	
CHECKED BY B.P., P.E.	
SCALE NOT TO SCALE	

LANDSCAPE NOTES

NTS

TREE PLANTING

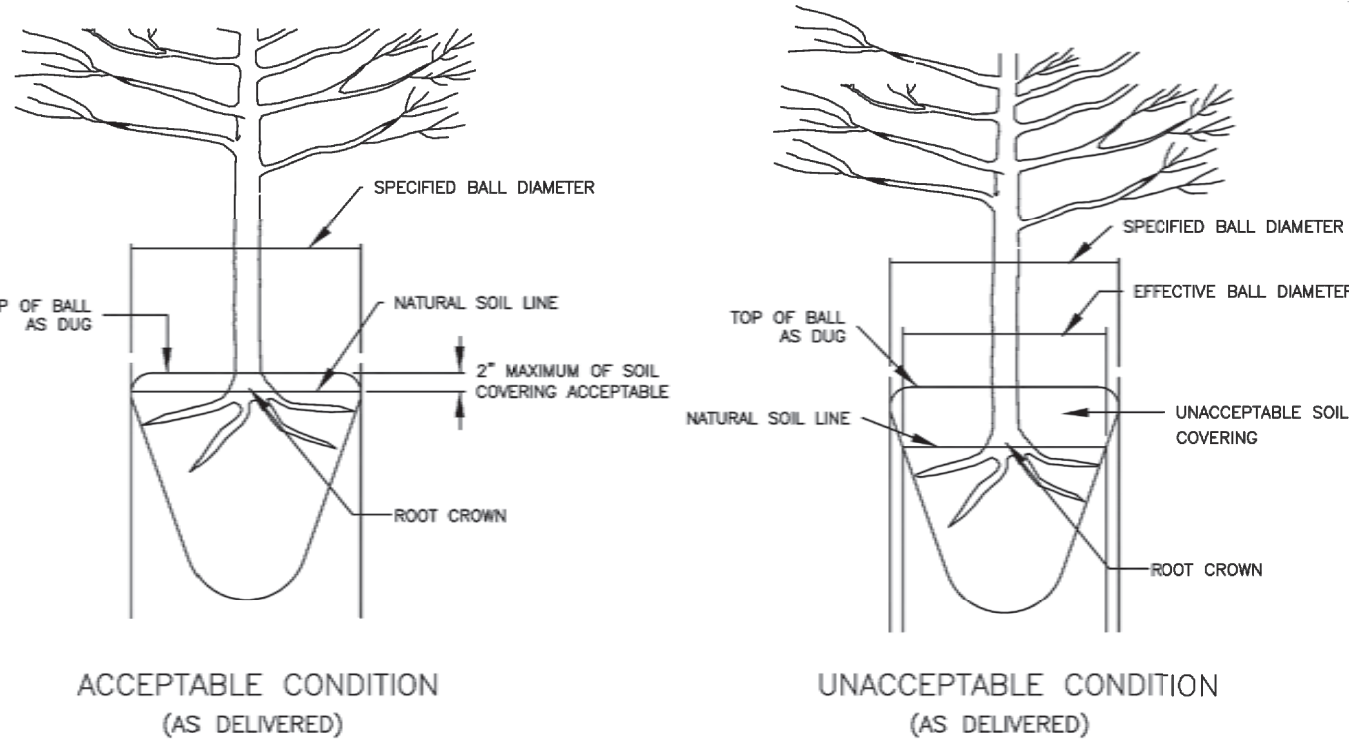
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NTS

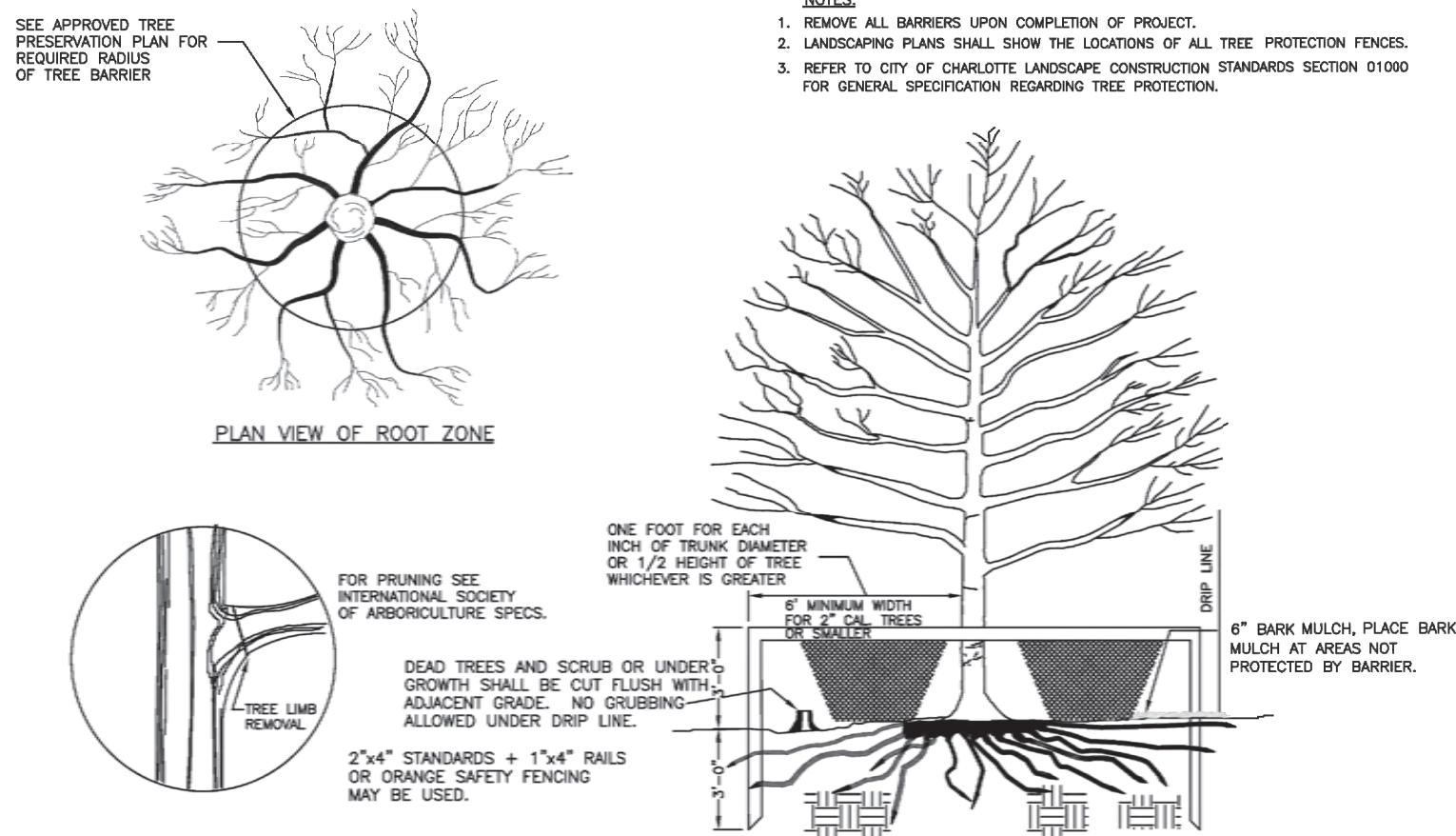
SHRUB PLANTING BED

1.1

NTS



NOTE:  
A ROOT FLARE EXCAVATION FOR ALL TREES SPECIFIED WILL BE DONE BY THE CITY ARBORIST TO ENSURE THAT TREES WERE NOT PLANTED/GROWN TOO DEEPLY AT SOURCE (NURSERY). LANDSCAPE CONTRACTOR SHALL HAVE SUPPLIER MARK GROUND LEVEL LINE ABOVE ROOT BALL. IF CITY ARBORIST DETERMINES THAT THERE IS EXCESSIVE SOIL OVER THE ROOT CROWN, THESE TREES WILL BE REJECTED.



- NOTES:
1. REMOVE ALL BARRIERS UPON COMPLETION OF PROJECT.
  2. LANDSCAPING PLANS SHALL SHOW THE LOCATION OF ALL TREE PROTECTION FENCES.
  3. REFER TO CITY OF CHARLOTTE LANDSCAPE CONSTRUCTION STANDARDS SECTION 0100 FOR GENERAL SPECIFICATION REGARDING TREE PROTECTION.

TREE PROTECTION DETAIL

1.1

NTS

LANDSCAPE NOTES

1.1

NTS

LandDesign.

223 NORTH GRAHAM STREET  
CHARLOTTE, NC 28202  
704.333.0325  
WWW.LANDDESIGN.COM

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

PARAMOUNT ENGINEERING, INC.

122 Cinema Drive  
Wilmington, North Carolina 28403  
(910) 791-6707 (O) (910) 791-6766 (F)  
NC License #: C-2846

LANDSCAPE DETAILS

THE GALLERIA  
CITY OF WILMINGTON  
NEW HANOVER CO. NORTH CAROLINA

PROJECT STATUS  
CONCEPT LAYOUT:  
PRELIMINARY LAYOUT:  
RELEASED FOR CONST:

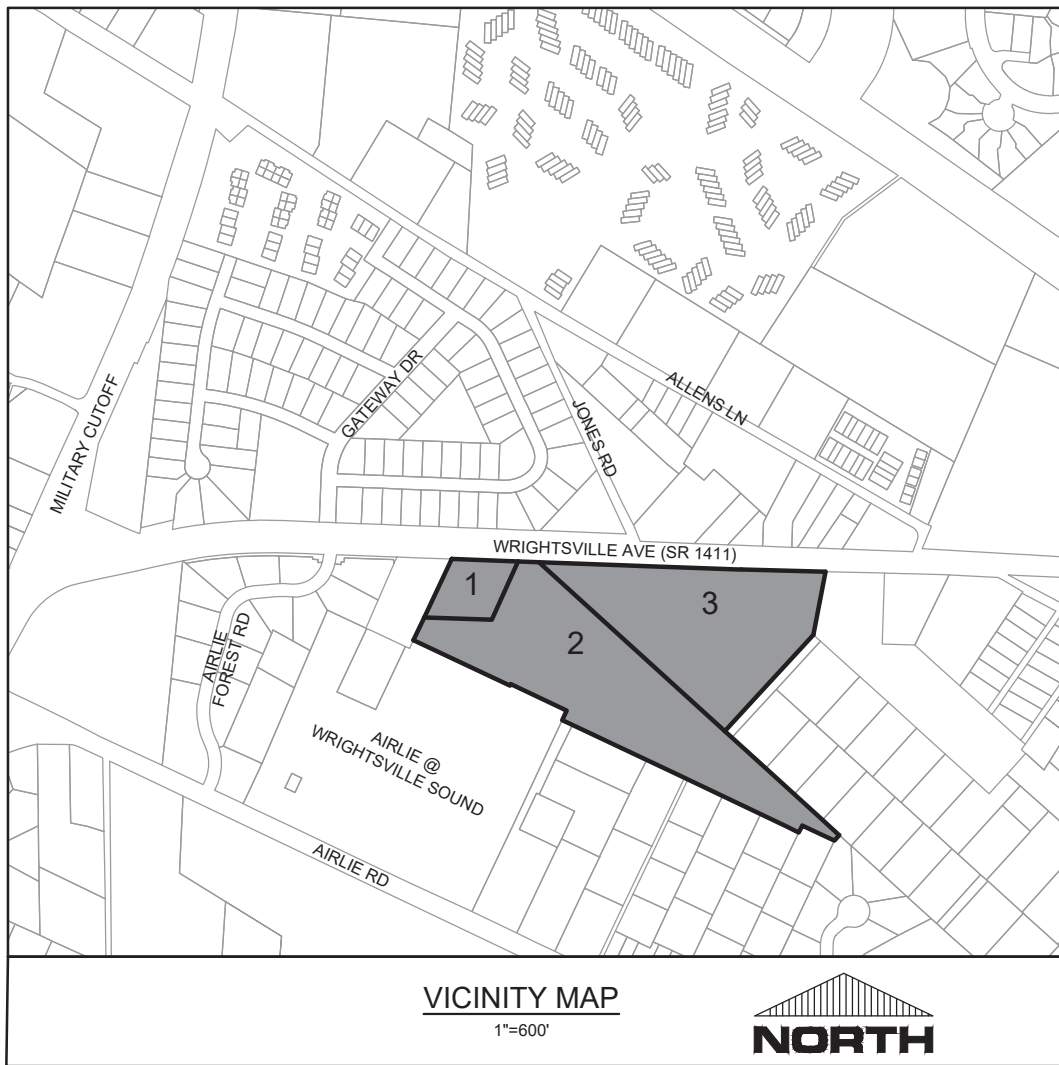
DRAWING INFORMATION  
DATE: 11/02/20  
DESIGNED BY: B.P., P.E.  
DRAWN BY: B.P., P.E.  
CHECKED BY: B.P., P.E.

SEAL

L-2.0

PEI JOB#: 19351.PE





THE CITY OF WILMINGTON'S FIRE TRUCK  
STANDARD LENGTH IS 48.10', WHICH IS  
USED AS THE VEHICLE IN THIS EXHIBIT.

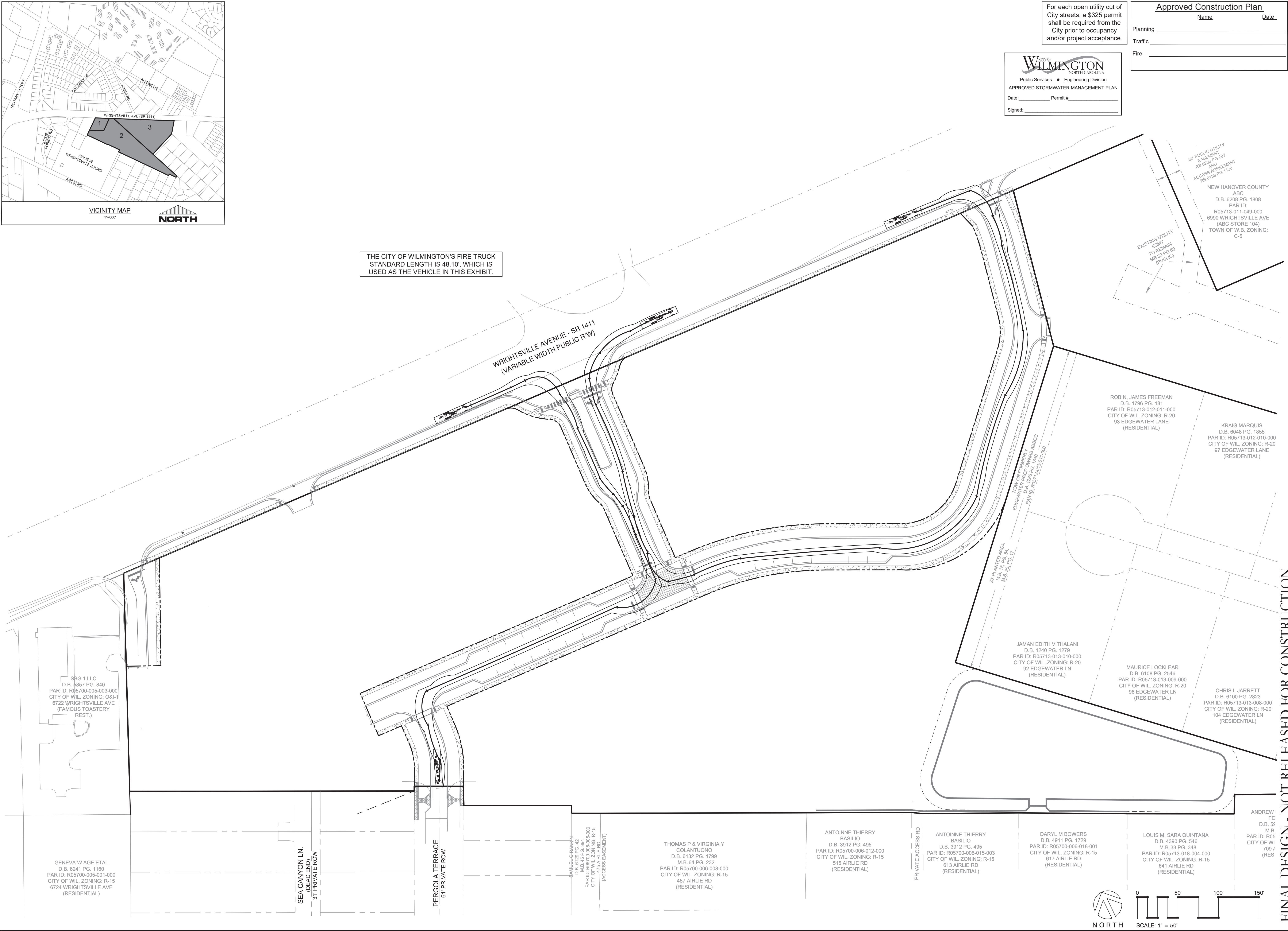
For each open utility cut of  
City streets, a \$325 permit  
shall be required from the  
City prior to occupancy  
and/or project acceptance.

**CITY OF WILMINGTON**  
NORTH CAROLINA  
Public Services • Engineering Division  
APPROVED STORMWATER MANAGEMENT PLAN

Date: \_\_\_\_\_ Permit #: \_\_\_\_\_  
Signed: \_\_\_\_\_

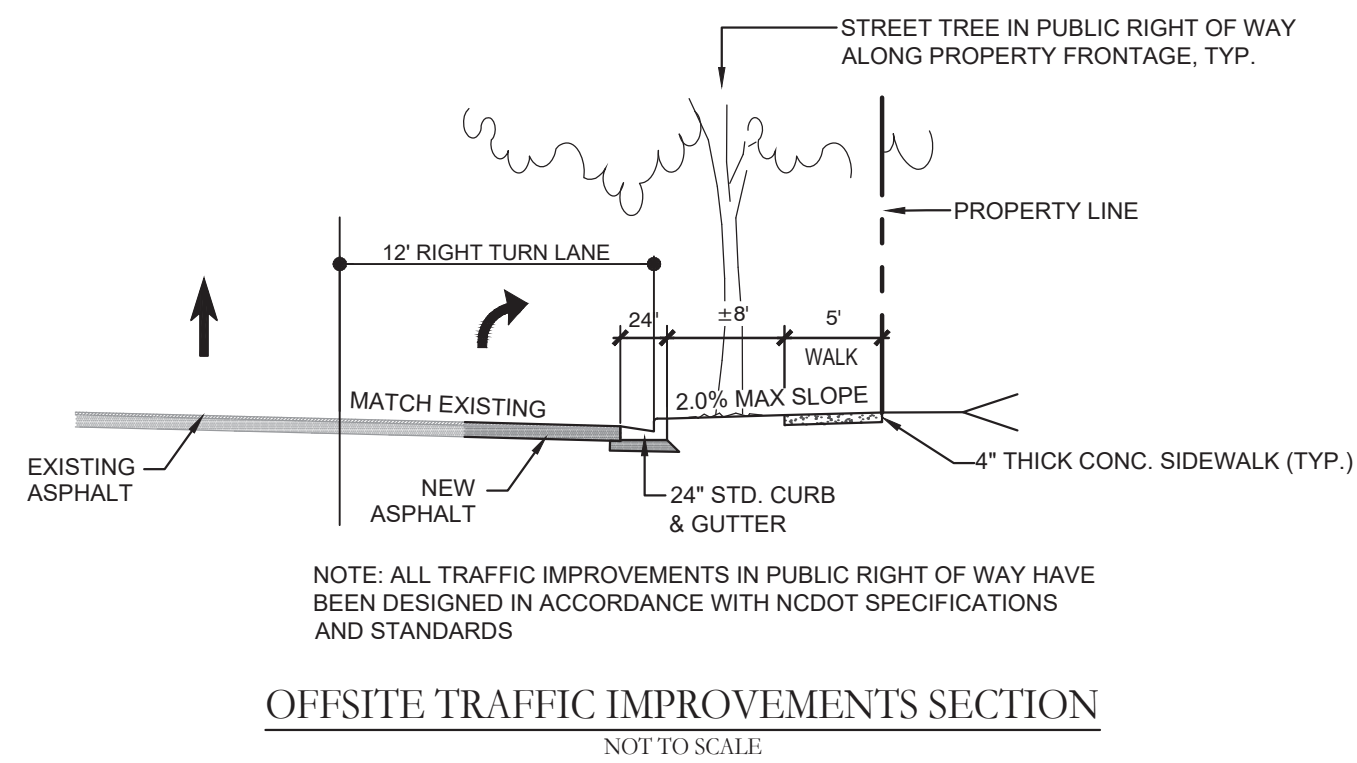
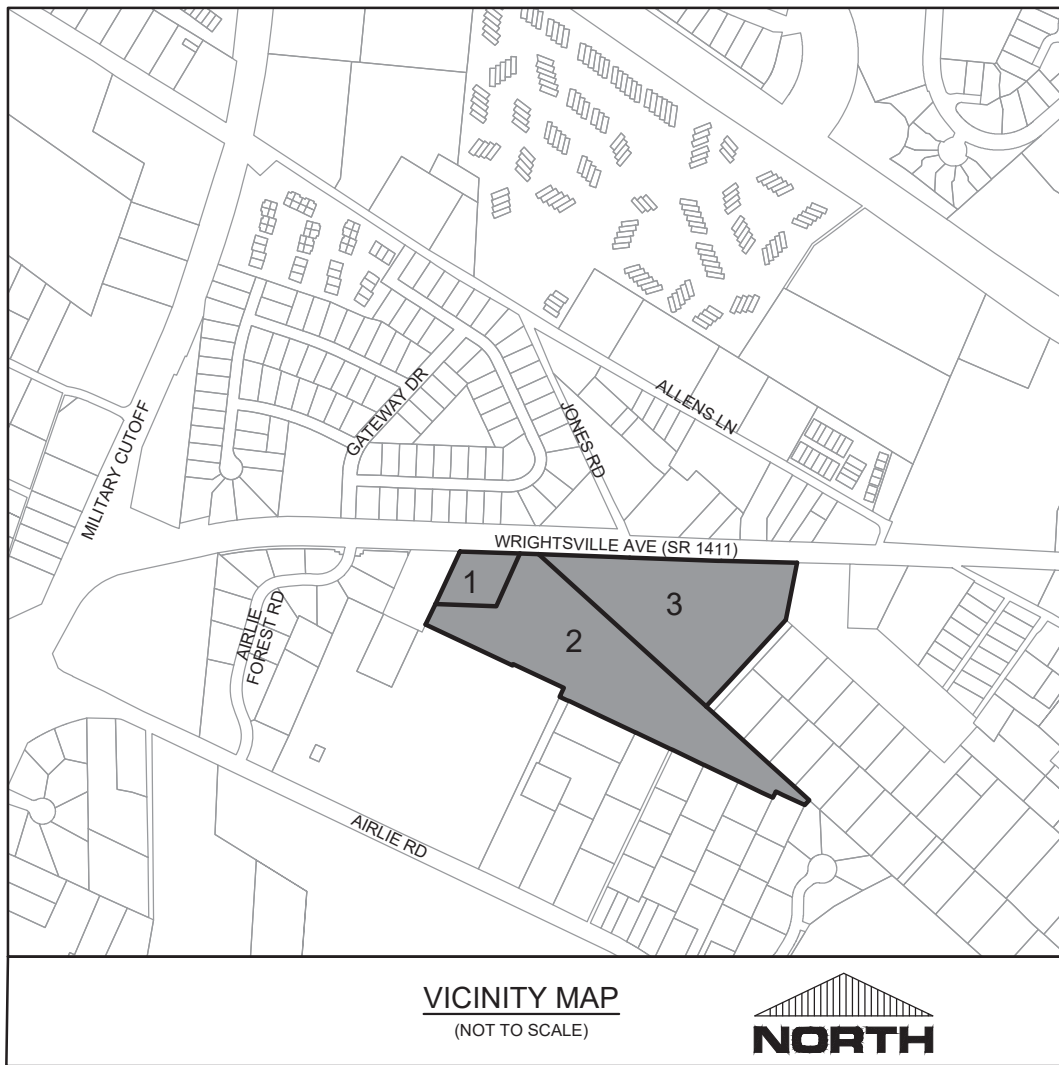
**Approved Construction Plan**

Name	Date
Planning	_____
Traffic	_____
Fire	_____



REVISIONS:	
CLIENT INFORMATION:	
STATE STREET-GALLERIA, LLC PO BOX 12477 CHARLOTTE, NC 28220	
PARAMOUNT ENGINEERING, INC. 122 Cinema Drive Wilmington, North Carolina 28403 (910) 791-6707 (O) (910) 791-6760 (F) NC License # C-2846	
AUTOTURN EXHIBIT CITY FIRE TRUCK THE GALLERIA CITY OF WILMINGTON NEW HANOVER CO. NORTH CAROLINA	
PROJECT STATUS CONCEPT LAYOUT: 8/20/19 FINAL DESIGN LAYOUT: 9/18/19 RELEASED FOR CONSTRUCTION: 11/02/20	DRAWING INFORMATION DATE: 11/02/20 SCALE: 1" = 50' DRAWN: ASR CHECKED: TCC
EXH-2.0	
PEI JOB#: 19351.PE	



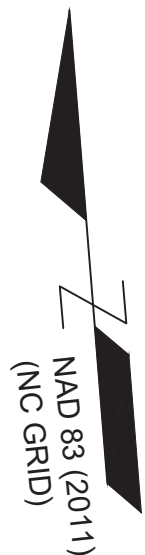
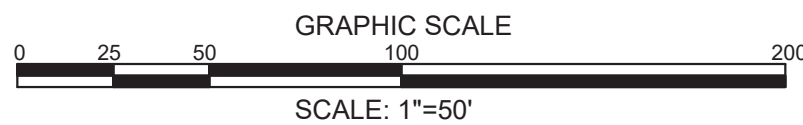
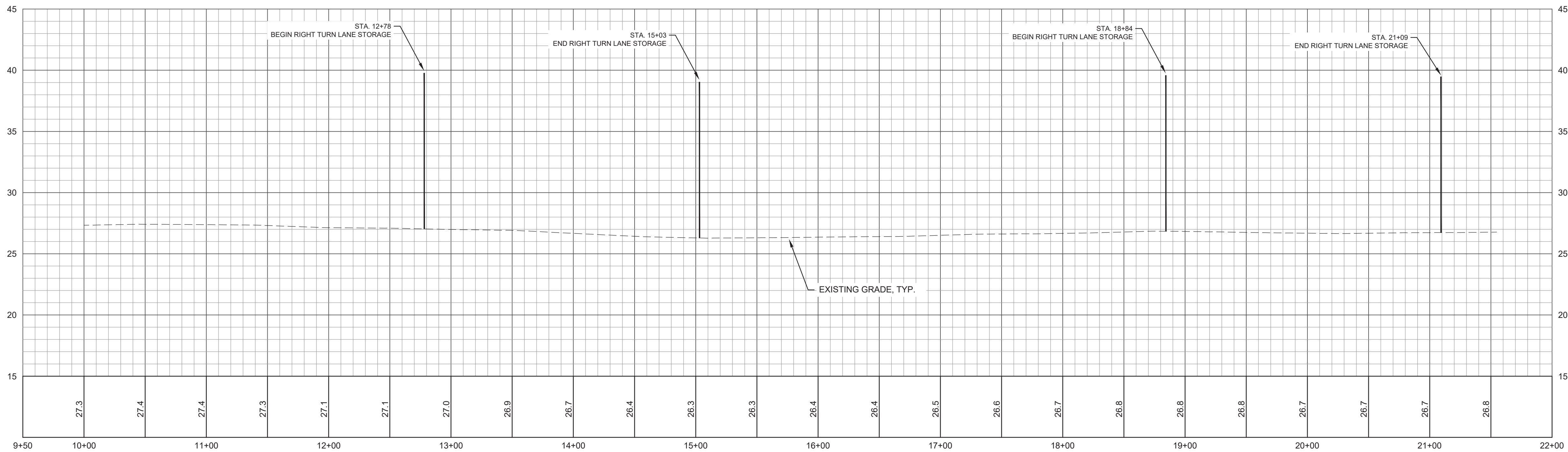
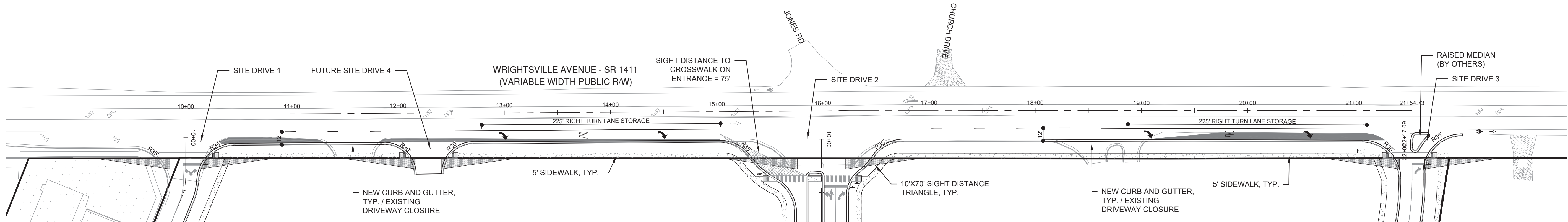


**LEGEND**  
= EXISTING ASPHALT AREA  
= NEW ASPHALT AREA (326 SY)

**Approved Construction Plan**  
Name \_\_\_\_\_ Date \_\_\_\_\_  
Planning \_\_\_\_\_  
Traffic \_\_\_\_\_  
Fire \_\_\_\_\_

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

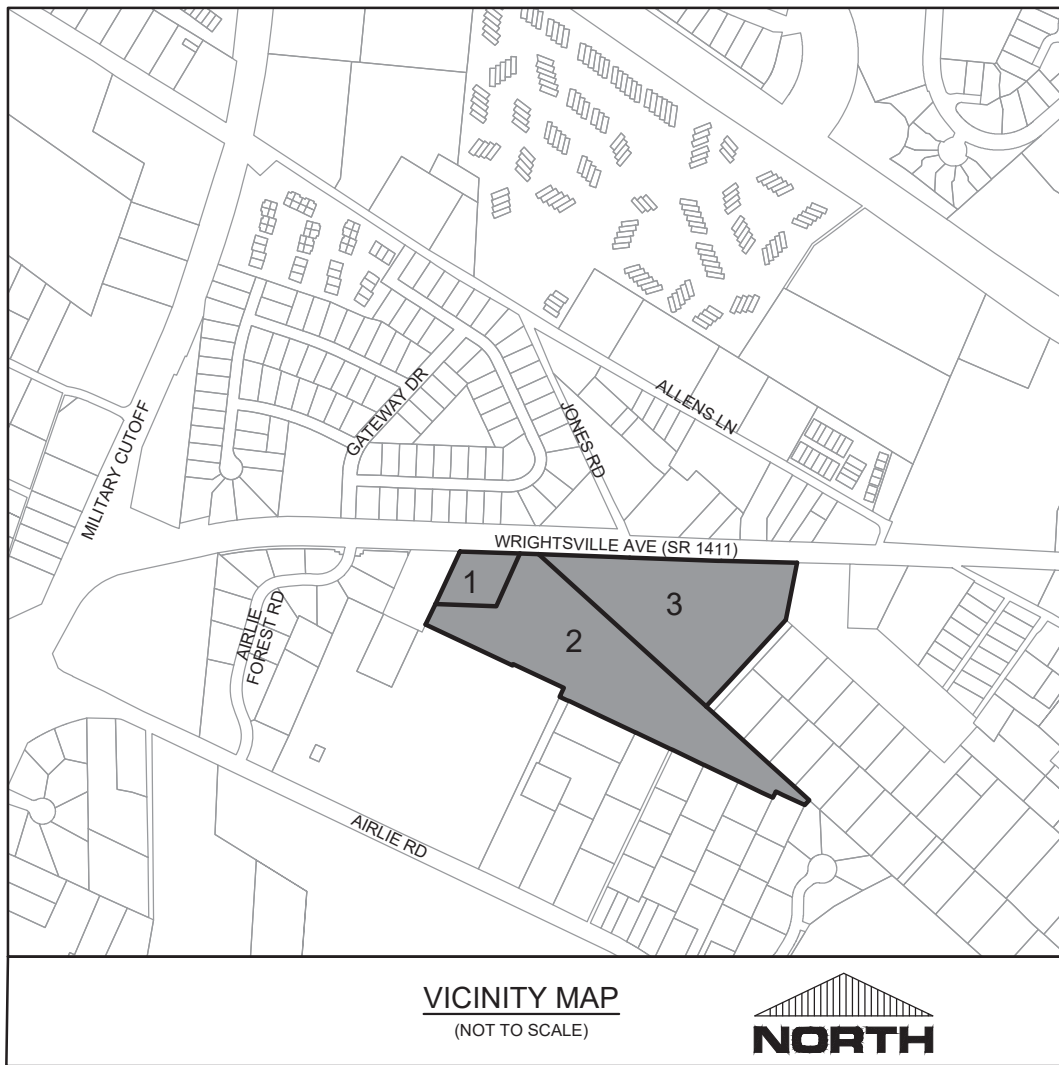
For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.



FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:	
CLIENT INFORMATION: STATE STREET-GALLERIA, LLC PO BOX 12477 CHARLOTTE, NC 28220	
PARAMOUNT ENGINEERING, INC. 122 Cinema Drive Wilmington, North Carolina 28403 (910) 791-6707 (O) (910) 791-6760 (F) NC License # C-2846	
OFFSITE TRAFFIC IMPROVEMENTS GEOMETRIC PLAN THE GALLERIA CITY OF WILMINGTON NEW HANOVER CO. NORTH CAROLINA	
PROJECT STATUS CONCEPT LAYOUT: 8/26/19 FINAL DESIGN: 8/26/19 RELEASED FOR CONSTRUCTION: 8/26/19	DRAWING INFORMATION DATE: 11/02/20 SCALE: 1"=50' DRAWN: ASR CHECKED: TGC
C-7.0	
PEI JOB#: 19351.PE	





- LEGEND**
- [White Box] = EXISTING ASPHALT AREA
  - [Grey Box] = NEW ASPHALT AREA
  - [Solid Line] = RIGHT OF WAY LINE
  - [Circle with UB] = PAVEMENT MARKING SYMBOL

**Approved Construction Plan**

Name \_\_\_\_\_ Date \_\_\_\_\_

Planning \_\_\_\_\_

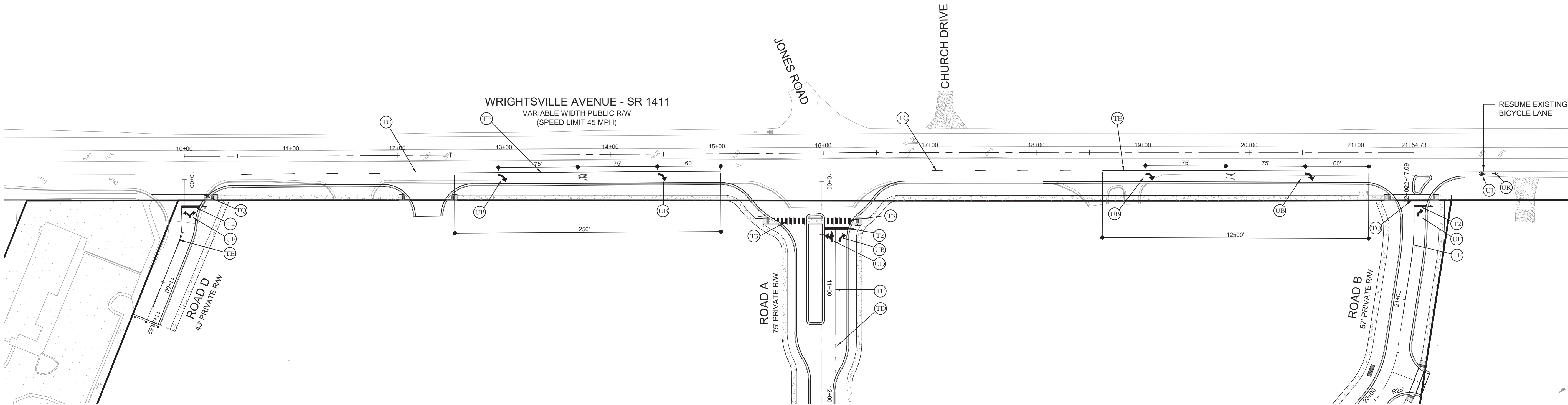
Traffic \_\_\_\_\_

Fire \_\_\_\_\_

**CITY OF WILMINGTON**  
NORTH CAROLINA  
Public Services • Engineering Division  
APPROVED STORMWATER MANAGEMENT PLAN

Date: \_\_\_\_\_ Permit #: \_\_\_\_\_  
Signed: \_\_\_\_\_

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

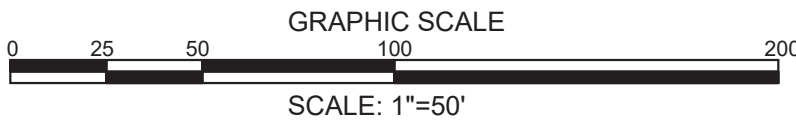


**PAVEMENT MARKING LEGEND**  
CONTRACTOR SHALL REFER TO NCDOT STANDARD DETAIL #1205.01 FOR PAVEMENT MARKINGS

SYMBOL	DESCRIPTION	PAVEMENT MARKINGS			
TC	10 FT. WHITE SKIP	THERMOPLASTIC (4", 120MILS) (100MM, 3.1MM)	360	LF	
TD	3 FT/5M WHITE MINISKIP	THERMOPLASTIC (4", 120MILS) (100MM, 3.1MM)	50	LF	
TE	WHITE SOLID LANE LINE	THERMOPLASTIC (4", 120MILS) (100MM, 3.1MM)	500	LF	
			TOTAL	910	LF
T2	WHITE STOPBAR	THERMOPLASTIC (24", 120MILS) (600MM, 3.1MM)	54	LF	
T3	WHITE CROSSWALK LINE	THERMOPLASTIC (24", 120MILS) (600MM, 3.1MM)	78	LF	
TQ	WHITE CROSSWALK LINE	THERMOPLASTIC (8", 120MILS) (600MM, 3.1MM)	162	LF	
			TOTAL	294	LF
UB	RIGHT TURN ARROW	THERMOPLASTIC THICK SYMBOLS (90MILS) (2.3MM)	5	EA	
UD	COMBO. LEFT/STRAIGHT ARROW	THERMOPLASTIC THICK SYMBOLS (90MILS) (2.3MM)	1	EA	
UF	COMBO. LEFT/RIGHT ARROW	THERMOPLASTIC THICK SYMBOLS (90MILS) (2.3MM)	2	EA	
UJ	BICYCLE SYMBOL, HEATED-IN-PLACE	THERMOPLASTIC THICK SYMBOLS (90MILS) (2.3MM)	1	EA	
UK	BICYCLE STRAIGHT ARROW, HEATED-IN-PLACE	THERMOPLASTIC THICK SYMBOLS (90MILS) (2.3MM)	1	EA	
			TOTAL	10	EA

- NOTES:**
- SNOW PLOWABLE PAVEMENT MARKERS SHALL BE INSTALLED IN ACCORDANCE WITH NCDOT'S STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES 2012 AND THE ROADWAY STANDARD DRAWINGS. CURB MOUNTED REFLECTORS ARE TO BE INSTALLED ON TRAFFIC ISLANDS.
  - PAVEMENT MARKINGS SHALL BE THE RESPONSIBILITY OF THE PERMITTEE. THE PERMITTEE SHALL HAVE THE PAVEMENT MARKINGS PRE-MARKED, INSPECTED, AND APPROVED BY NCDOT PERSONNEL PRIOR TO THE PLACEMENT OF FINAL PAVEMENT MARKINGS. CONTACT TRAFFIC SERVICES AT (910)341-0300 FOR PRE-MARKING INSPECTIONS OR FIELD CHANGES. CENTERLINE PAVEMENT MARKINGS SHALL BE INSTALLED THE SAME DAY RESURFACING IS ACCOMPLISHED. ALL OTHER PAVEMENT MARKINGS SHALL BE COMPLETED WITHIN 5 DAYS OF RESURFACING. PAVEMENT MARKINGS SHALL BE THERMOPLASTIC AND MEET THE NCDOT'S STANDARD SPECIFICATION FOR ROADS AND STRUCTURES AND NCDOT ROADWAY STANDARD DRAWINGS.
  - NEW ASPHALT AREA = 326 SY
  - FOR ALL WORK WITHIN NCDOT RIGHT OF WAY, CONTRACTOR SHALL REFER TO NCDOT STANDARD DRAWINGS, LATEST VERSION, FOR STANDARD DETAILS. SOME OF THESE DETAILS ARE LOCATED ON SHEETS C-9.7 & C-9.8 FOR CONVENIENCE.
  - PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH NCDOT STANDARD DRAWINGS 1205.01 AND 1205.04.
  - SITE CONTRACTOR SHALL COORDINATE WITH UTILITY OWNERS FOR ANY TEMPORARY OR PERMANENT UTILITY RELOCATION.

- COORDINATION NOTES:**
- THE CONTRACTOR IS REQUIRED TO OBTAIN ANY/ALL PERMITS REQUIRED FOR CONSTRUCTION OF THESE PLANS.
  - ALL CONSTRUCTION TO BE IN ACCORDANCE WITH TECHNICAL STANDARDS ESTABLISHED BY CITY OF WILMINGTON, NCDOT, 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 OFFSITE 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.



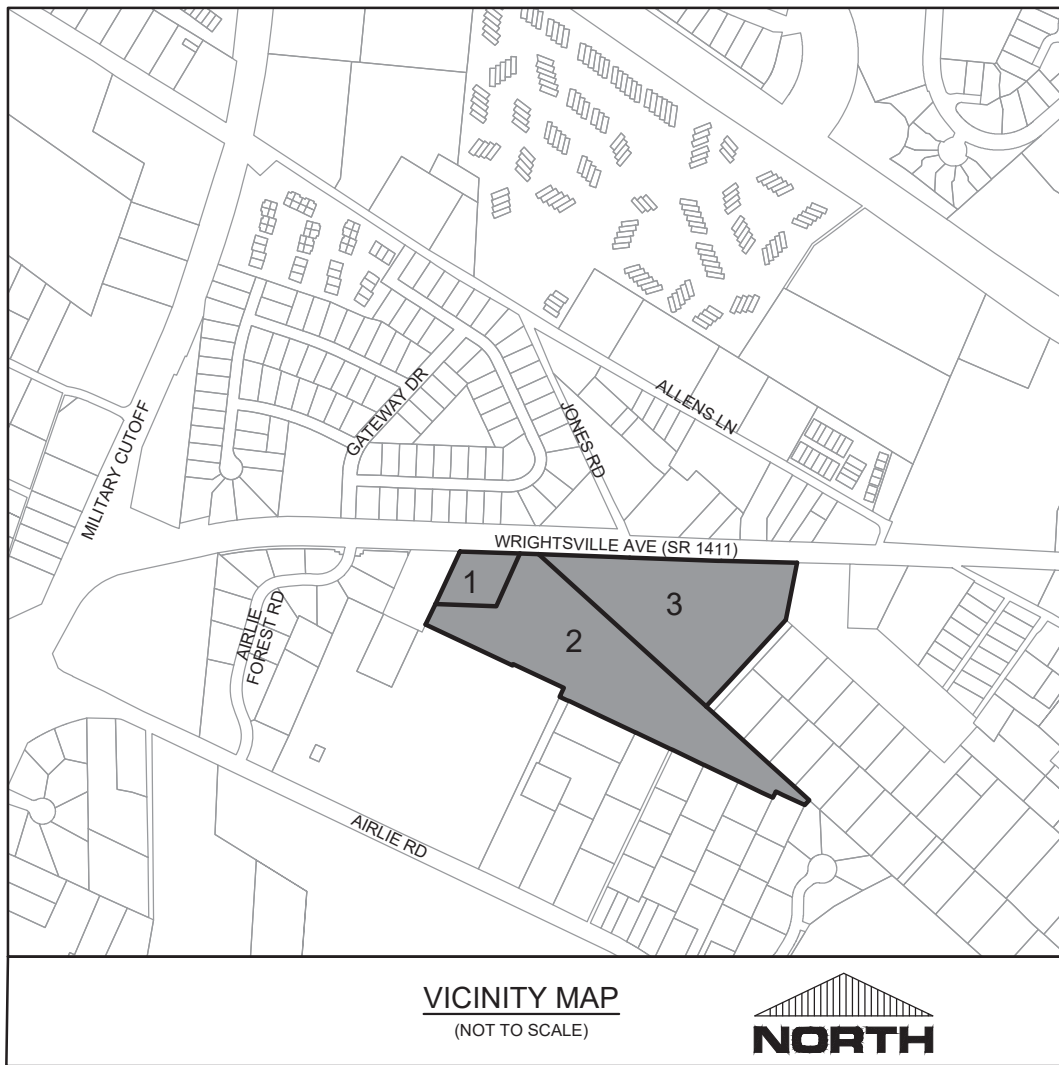
FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:	CLIENT INFORMATION:	PROJECT STATUS:	PROJECT INFORMATION:
	STATE STREET-GALLERIA, LLC PO BOX 12477 CHARLOTTE, NC 28220	9/8/19 CONCEPT LAYOUT: 9/18/19 FINAL DESIGN: (CUT) RELEASED FOR CONCT:	THE GALLERIA CITY OF WILMINGTON NEW HANOVER CO. NORTH CAROLINA
	PARAMOUNT ENGINEERING, INC. 122 Cinema Drive Wilmington, North Carolina 28403 (910) 791-6707 (O) (910) 791-6760 (F) NC License # C-2846	DRAWING INFORMATION: DATE: 11/02/20 SCALE: 1"=50' DRAWN: ASR CHECKED: TCC	C-7.1 PEI JOB#: 19351.PE









**LEGEND**

= EXISTING ASPHALT AREA

= NEW ASPHALT AREA

= RIGHT OF WAY LINE

**Approved Construction Plan**

Name \_\_\_\_\_ Date \_\_\_\_\_

Planning \_\_\_\_\_

Traffic \_\_\_\_\_

Fire \_\_\_\_\_

**CITY OF WILMINGTON**  
NORTH CAROLINA

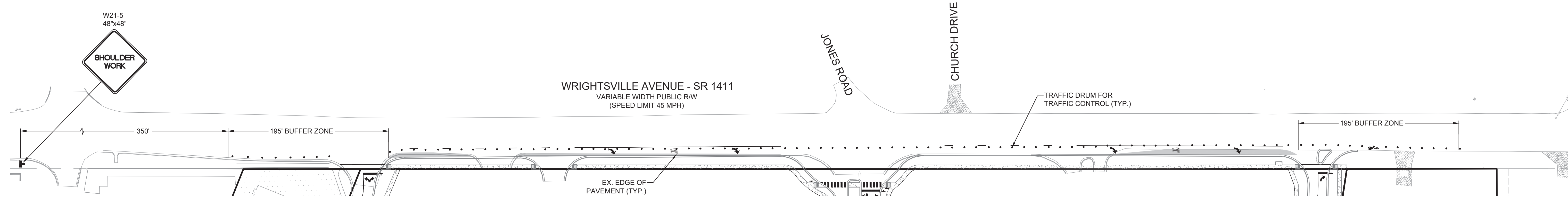
Public Services • Engineering Division

APPROVED STORMWATER MANAGEMENT PLAN

Date: \_\_\_\_\_ Permit #: \_\_\_\_\_

Signed: \_\_\_\_\_

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



#### TRAFFIC CONTROL PLAN

- BEGINNING WORK AND STREET CLOSING: TRAFFIC CONTROL FOR THIS CONTRACT SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, ALONG WITH THE FOLLOWING SECTION OF THESE SPECIAL PROVISIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE NCDOT BEFORE ANY ROAD OR LANE CLOSURE. THE CONTRACTOR SHALL CALL THE DISTRICT ENGINEER AT (910) 251-2655 WHEN CLOSING A ROAD OR LANE SO THAT EMERGENCY SERVICES CAN BE NOTIFIED.
- RIGHT OF WAY USE PERMIT: THE CONTRACTOR WILL NOT BE RESPONSIBLE FOR OBTAINING THE RIGHT-OF-WAY USE PERMIT(S) FROM NCDOT.
- TRAFFIC CONTROL PLAN: TRAFFIC CONTROL WILL BE PERFORMED BY THE CONTRACTOR BASED ON THE TRAFFIC CONTROL SPECIAL PROVISIONS. THE TRAFFIC CONTROL SPECIAL PROVISIONS MAY REFER TO PLAN SHEET FOR MAJOR WORK ITEMS. THE CONTRACTOR SHALL BE THOROUGHLY FAMILIAR WITH THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. THE CURRENT EDITION OF THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION (NCDOT) SUPPLEMENT TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS. THE NCDOT ROADWAY STANDARD DRAWINGS, AND THE CURRENT EDITION OF THE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.
- THE CONTRACTOR SHALL MAINTAIN THE TRAFFIC CONTROL AS DESCRIBED HEREIN UNLESS THE CONTRACTOR

SUBMITS AN ALTERNATE TRAFFIC CONTROL PLAN TO NCDOT AND IS APPROVED BY NCDOT. NCDOT MAY DIRECT THE CONTRACTOR TO MODIFY TRAFFIC CONTROL, IF IN THE OPINION OF NCDOT, TRAFFIC IS NOT MOVING SAFELY OR EFFICIENTLY.

- CONSTRUCTION OR MAINTENANCE WORK WHICH INVOLVES CLOSURE OF A LANE OF TRAFFIC WILL NOT BE ALLOWED DURING PEAK FLOW HOURS UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENT.

- THE CONTRACTOR SHALL USE FLAGGER CONTROL AND SHALL MEET IN ACCORDANCE WITH THE LATEST EDITION OF THE MUTCD AND THE NCDOT 2012 STANDARD ROADWAY DRAWINGS AND STANDARD SPECIFICATIONS. IN AREAS OF DROP-OFFS AND LOW SHOULDER THE CONTRACTOR SHALL BACKFILL UP TO THE EDGE AND ELEVATION OF THE EXISTING PAVEMENT. THE

CONTRACTOR WILL BE REQUIRED TO MAINTAIN INGRESS AND EGRESS TO ALL BUSINESSES AND DWELLINGS, AND EASY ACCESS TO FIRE HYDRANTS. THE CONTRACTOR SHALL NOT WORK ON BOTH SIDES OF THE ROAD SIMULTANEOUSLY WITHIN THE PROJECT AREA FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL MARK ALL HAZARDS WITHIN THE PROJECT LIMITS WITH WELL-MAINTAINED SIGNS, BARRICADES, WARNING AND/OR CHANNELING DEVICES.

- THE CONTRACTOR SHALL FURNISH, INSTALL, OPERATE, RELOCATE, MAINTAIN AND REMOVE ALL TEMPORARY TRAFFIC CONTROL DEVICES NECESSARY FOR CONTROLLING TRAFFIC. THE CONTRACTOR SHALL NOTIFY NCDOT REGARDING CONFLICTING PERMANENT SIGNS. ONLY THE NCDOT PERSONNEL SHALL INSTALL, REMOVE OR RELOCATE ANY PERMANENT SIGNS

WITHIN THE RIGHT-OF-WAY. ALL CONSTRUCTION SIGNS AND BARRICADES SHALL REMAIN IN PLACE UNTIL THE APPROPRIATE PERMANENT SIGNS AND PAVEMENT MARKINGS ARE INSTALLED.

- PEDESTRIAN CONSIDERATION: THE CONTRACTOR SHALL REASONABLY ACCOMMODATE THE NEEDS OF ALL PEDESTRIANS.
- EQUIPMENT AND MATERIAL STORAGE: DURING PERIODS OF CONSTRUCTION INACTIVITY, ALL CONSTRUCTION MATERIALS AND EQUIPMENT SHALL BE STORED BY THE CONTRACTOR AS SPECIFIED IN SECTION XI, PART D OF THE WATCH HANDBOOK.

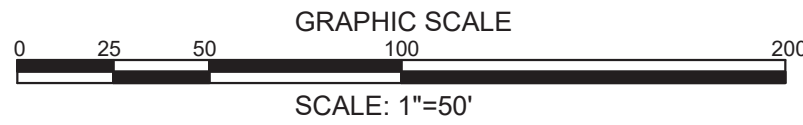
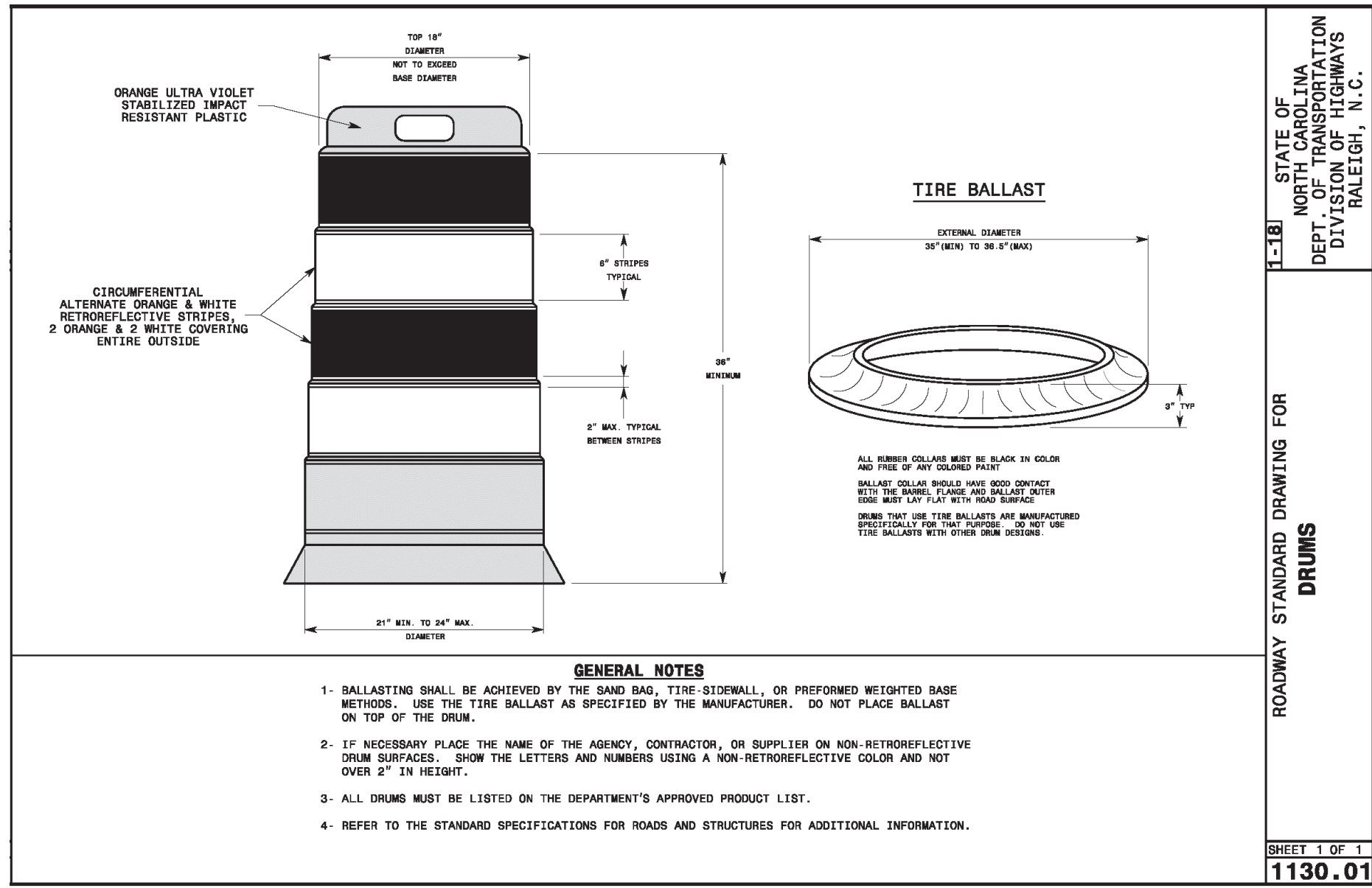
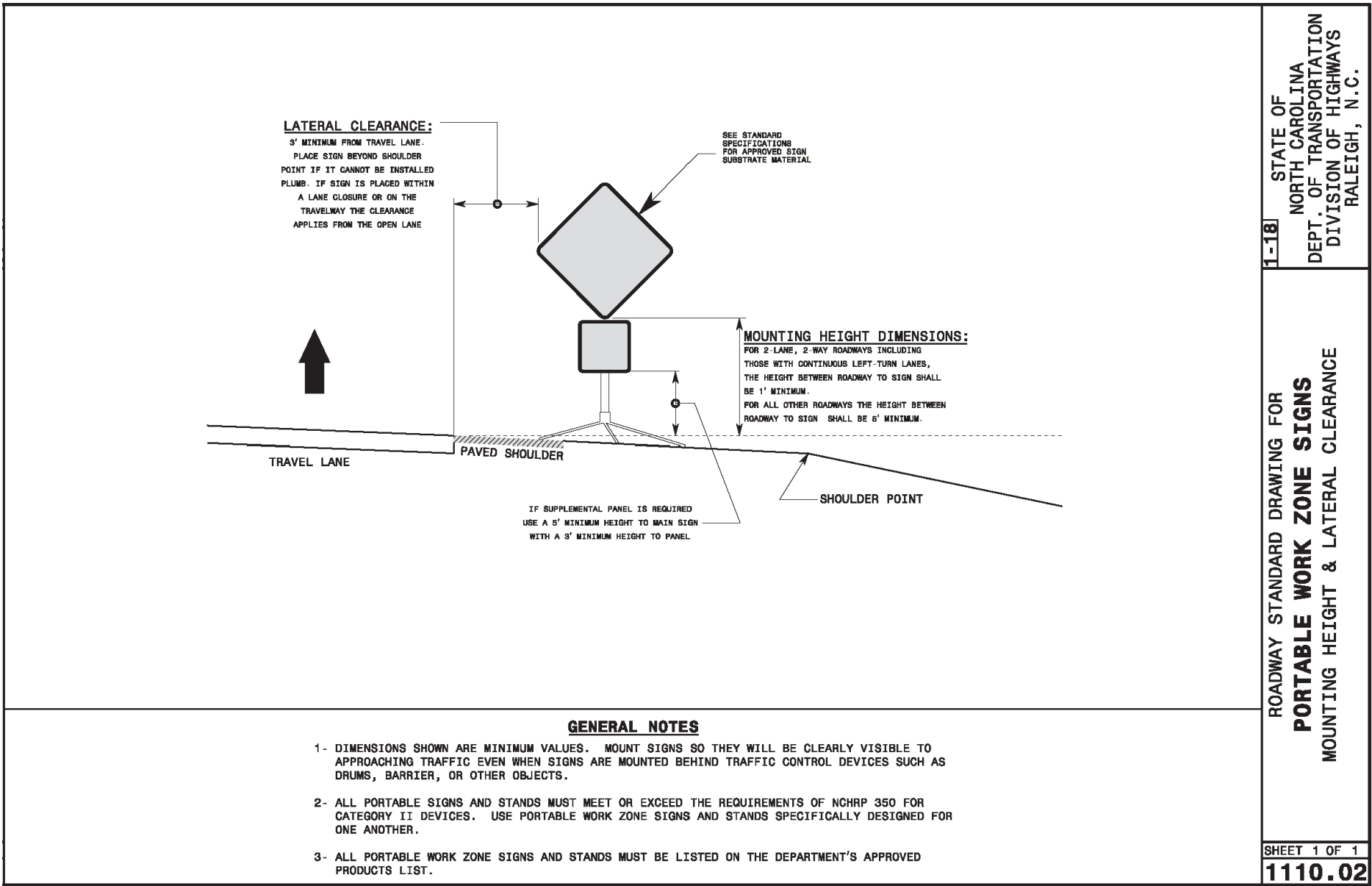
- ALL CONCRETE OR PAVED CHANNELIZATION ISLANDS SHALL HAVE A 12 INCH DIAMETER ROUND OR SQUARE SMOOTH WALL HOLE DRILLED, CORED, FORMED OR AIR HAMMERED TO THE SUBGRADE AND BACK FILLED

WITH SOIL PLACED A MINIMUM OF 10 FEET FROM THE NOSE OF EACH END OF THE ISLAND (SEE ROADWAY STANDARD Dwg. 904.50), OR AS DIRECTED BY THE ENGINEER. ALL SIGN SUPPORTS THAT ARE TO BE ERECTED IN EITHER EXISTING OR PROPOSED CONCRETE OR PAVED CHANNELIZATION ISLANDS SHALL MEET THE SAME REQUIREMENTS. IF NECESSARY, CONTACT THE TRAFFIC SERVICES UNIT TO MARK CORE LOCATIONS (910-346-2040).

#### SPECIAL PROVISIONS

SEASONAL NIGHT WORK CONDITIONS WILL APPLY.

- FROM MEMORIAL DAY TO LABOR DAY, NO LANE CLOSURES SHALL TAKE PLACE PRIOR TO 7:00 P.M. AND TRAFFIC SHALL RESUME BEFORE 6:00 A.M. (NIGHT WORK ONLY) (HOURS SUBJECT TO CHANGE DUE TO TRAFFIC CONDITIONS).
- THE APPLICANT SHALL SUBMIT AN ADEQUATE LIGHTING PLAN TO BE CERTIFIED AND APPROVED BY A NC REGISTERED PROFESSIONAL ENGINEER.
- AFTER LABOR DAY AND PRIOR TO MEMORIAL DAY, NO LANE CLOSURES SHALL BE APPROVED BETWEEN THE HOURS OF 6:00 A.M. AND 9:00 A.M. AND 4:00 P.M. TO 7:00 P.M. ALONG SR 1100 (RIVER ROAD), (PEAK HOURS-RESTRICTED-HOURS SUBJECT TO CHANGE DUE TO TRAFFIC CONDITIONS).
- NO LANE CLOSURES SHALL BE ALLOWED ON STATE HOLIDAYS AND LOCAL EVENTS.



FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

REVISIONS:	STATE STREET-GALLERIA, LLC PO BOX 12477 CHARLOTTE, NC 28220
CLIENT INFORMATION:	PARAMOUNT ENGINEERING, INC. 122 Cinema Drive Wilmington, North Carolina 28403 (910) 791-6707 (O) (910) 791-6760 (F) N.C. License # C-2846
PROJECT STATUS	OFFSITE TRAFFIC IMPROVEMENTS TRAFFIC CONTROL PLAN
DRAWING INFORMATION	THE GALLERIA CITY OF WILMINGTON NEW HANOVER CO. NORTH CAROLINA
PROJECT STATUS	8/20/19 CONCEPTUAL LAYOUT: ST/BS FINAL DESIGN: JST
DRAWING INFORMATION	DATE: 11/02/20 SCALE: 1"=50' DRAWN: ASR CHECKED: TCC
PEI JOB#:	19351.PE





**CITY OF WILMINGTON**  
NORTH CAROLINA

Public Services • Engineering Division

**APPROVED STORMWATER MANAGEMENT PLAN**

Date: \_\_\_\_\_ Permit # \_\_\_\_\_

Signed: \_\_\_\_\_

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

REVISIONS:


**CLIENT INFORMATION:**

STATE STREET-GALLERIA, LLC  
PO BOX 12477  
CHARLOTTE, NC 28220

# PARAMOUNT

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


## OFFSITE TRAFFIC IMPROVEMENTS DETAILS

THE GALLERIA  
CITY OF WILMINGTON  
NEW HANOVER CO. NORTH CAROLINA

<b>PROJECT STATUS</b>	8/30/19
CONCEPTUAL LAYOUT:	9/18/19
PRELIMINARY LAYOUT:	
FINAL DESIGN:	

**DRAWING INFORMATION**

DATE: 11.02.20  
 SCALE: 1" = 50'  
 DESIGNED: ASR  
 DRAWN: ASR  
 CHECKED: TGC



C-7.4

PEI JOB#: 19351.PE

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Approved Construction Plan

Name

Date

Planning

Traffic

Fire

City of

WILMINGTON

NORTH CAROLINA

Public Services • Engineering Division

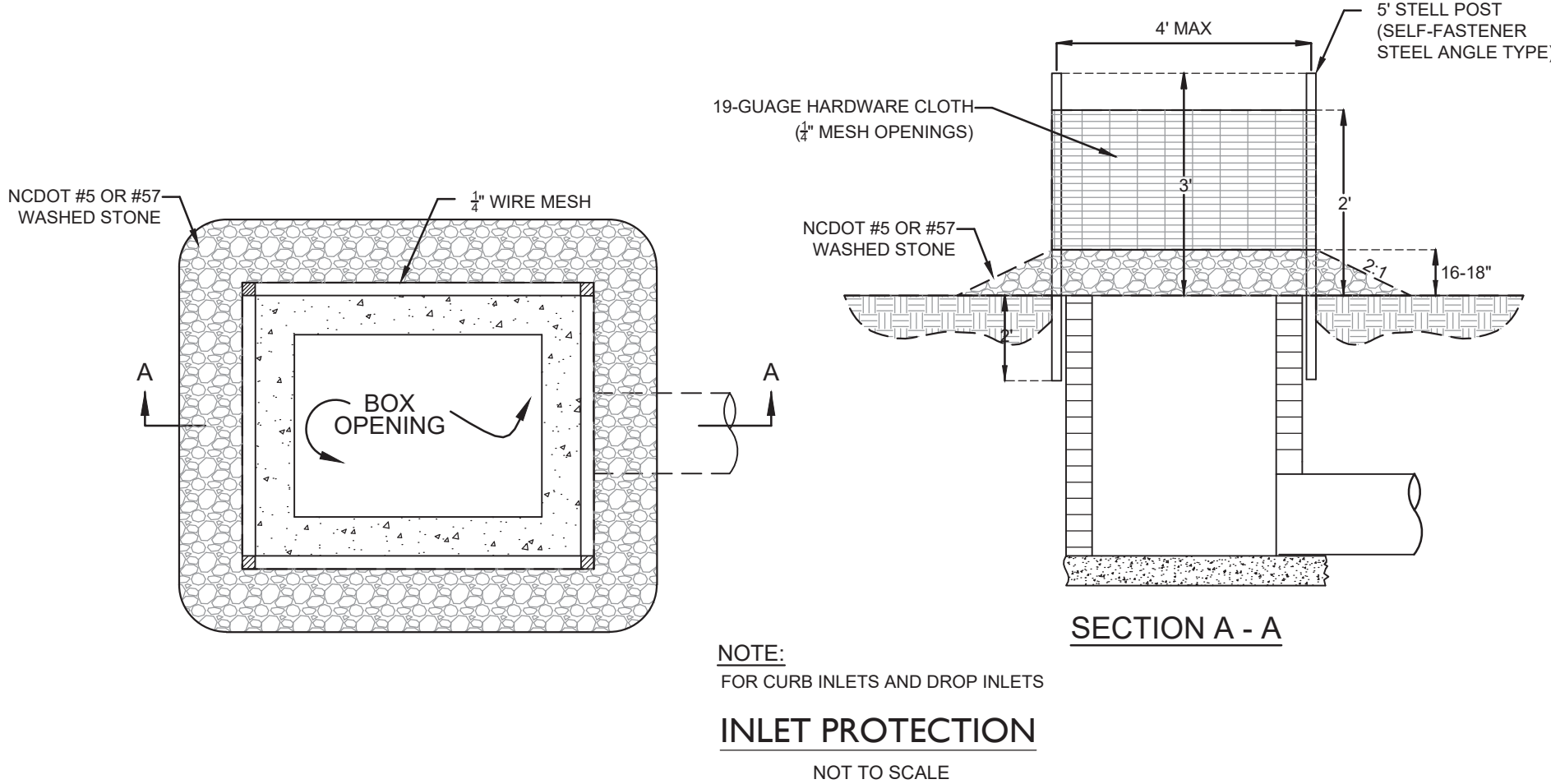
APPROVED STORMWATER MANAGEMENT PLAN

Date:

Permit #

Signed:

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



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PROJECT STATUS

8/20/19

CONCEPTUAL LAYOUT:

8/20/19

FINAL DESIGN LAYOUT:

8/20/19

RELEASED FOR CONSTRUCTION:

DRAWING INFORMATION

11/02/20

DATE:

1" = 50'

SCALE:

ASR

DRAWN:

TGC

CHECKED:

C-7.5

PEI JOB#: 19351.PE

OFFSITE TRAFFIC IMPROVEMENTS  
DETAILS  
THE GALLERIA  
CITY OF WILMINGTON  
NEW HANOVER CO. NORTH CAROLINA

PARAMOUNTE

ENGINEERING, INC.

122 Cinema Drive  
Wilmington, North Carolina 28413  
(910) 791-6707 (O) (910) 791-6760 (F)  
NC License # C-2846

CLIENT INFORMATION:  
STATE STREET-GALLERIA, LLC  
PO BOX 12477  
CHARLOTTE, NC 28220

REVISIONS: