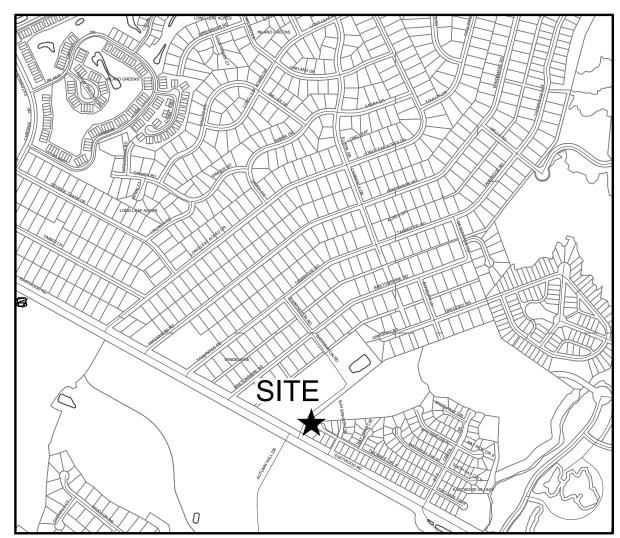
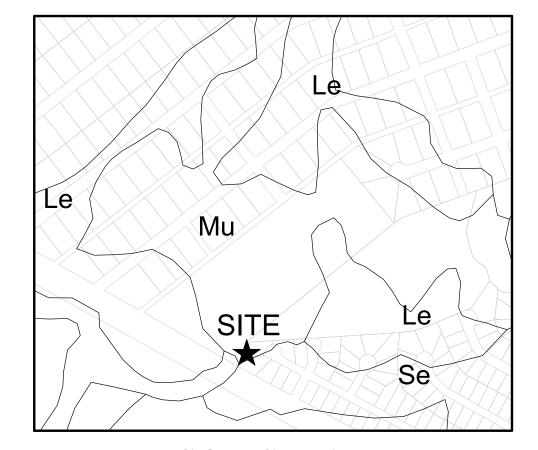
ST. MARK CATHOLIC CHURCH & MAYFAIRE II PROPOSED ROADWAY

DESIGN DOCUMENTS MARCH 2019

PROJECT ADDRESS: 1011 EASTWOOD ROAD WILMINGTON, NC 28403



VICINITY MAP SCALE: 1"=1000'



SOILS MAP SCALE: 1"=500'

For each open utility cut of City streets, a \$325 perm shall be required from the City prior to occupancy Public Services • Engineering Division APPROVED STORMWATER MANAGEMENT PLAN

> OWNER / DEVELOPER: MAYFAIRE II LLC 530 SE GREENVILLE BLVD, STE 200 GREENVILLE, NORTH CAROLINA 27858

ATTN: H.J. BRODY, (252) 353-2141

ROMAN CATHOLIC DIOCESE OF RALEIGH 7200 STONEHENGE DRIVE RALEIGH, NORTH CAROLINA 27613 ATTN: BISHOP LUIS RAFAEL ZARAMA. (919) 821-9700

SURVEYOR, ENGINEER (CIVIL), LANDSCAPE ARCHITECT: PARAMOUNTE ENGINEERING, INC.

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

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C-2.2	SITE & PLANTING PLAN		
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C-4.0	UTILITY PLAN		
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C-6.0 - C-6.2	DETAILS		

PREPARED BY:



122 Cinema Drive Wilmington, North Carolina 28403 (910) 791-6707 (O) (910) 791-6760 (F) NC License #: C-2846 PROJECT # 16247.PE



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: 910-254-0900

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

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

CAPE FEAR PUBLIC UTILITY AUTHORITY (WATER & SEWER)

ENGINEERING/INSPECTIONS PH: 910-332-6560

OPERATIONS/MAINTENANCE PH: 910-322-6550

DUKE ENERGY DISTRIBUTION CONSTRUCTION SERVICE

DEP CSC PH: 1-800-452-2777 TRANSMISSION AGENT BILL WILDER

AT&T/BELL SOUTH

PH: 910-772-4903

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

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

SPECTRUM GENERAL PH: 800-892-4357



IMPROVEMENT STAKEOUT(S).

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

ANYTIME WORK IS PERFORMED OFF-SITE OR WITHIN AN EXISTING EASEMENT, THE CONTRACTOR IS TO NOTIFY THE HOLDER OF SAID EASEMENT AS TO THE NATURE OF PROPOSED WORK, AND TO FOLLOW ANY GUIDELINES OR STANDARDS WHICH ARE ASSOCIATED WITH OR REFERENCED IN

CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS BY OTHERS FOR ANY BUILDING DIMENSIONS AND DETAILS.

GENERAL NOTES

TREE INVENTORY AND TOPOGRAPHIC SURVEY COMPLETED BY PARAMOUNTE ENGINEERING, INC. THE SURVEY SHALL BE FIELD VERIFIED BY CONTRACTOR AND ANY DISCREPANCIES REPORTED TO THE OWNER AND ENGINEER.

REASONABLE CARE HAS BEEN EXERCISED IN SHOWING THE LOCATION OF EXISTING UTILITIES ON THE PLANS. THE EXACT LOCATION OF ALL EXISTING UTILITIES IS NOT KNOWN IN ALL CASES. THE CONTRACTOR SHALL EXPLORE THE AREA AHEAD OF DITCHING OPERATIONS BY OBSERVATIONS, ELECTRONIC DEVICES. HAND DIGGING AND BY PERSONAL CONTACT WITH THE UTILITY COMPANIES. IN ORDER TO LOCATE EXISTING UTILITIES IN ADVANCE OF TRENCHING OPERATIONS SO AS TO ELIMINATE OR MINIMIZE DAMAGE TO EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS RESULTING FROM ANY DAMAGE TO THE EXISTING UTILITY LINES INCLUDING LOSS OF UTILITY REVENUES. CONTRACTOR SHALL ARRANGE FOR TEMPORARY SUPPORT OF EXISTING UTILITIES, SUCH AS POLES, CONDUITS, FIBER OPTIC CABLES, TELEPHONE CABLES, WATER LINES, ETC.

CONTRACTOR SHALL COMPLY WITH THE LATEST REVISIONS AND INTERPRETATIONS OF THE DEPARTMENT OF LABOR SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION PROMULGATED UNDER THE OCCUPATIONAL SAFETY AND HEALTH ACT.

CONTRACTOR SHALL PLAN AND CONSTRUCT WORK SO AS TO CAUSE MINIMUM INCONVENIENCE TO THE OWNER AND THE PUBLIC. THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN AT ALL TIMES DURING THE PROGRESS OR TEMPORARY SUSPENSION OF WORK SUITABLE BARRIERS. FENCES, SIGNS OR OTHER ADEQUATE PROTECTION, INCLUDING FLAGMEN AND WATCHMEN AS NECESSARY TO INSURE THE SAFETY OF THE PUBLIC AS WELL AS THOSE ENGAGED IN THE CONSTRUCTION WORK. CONSTRUCTION SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF "CONSTRUCTION AND MAINTENANCE OPERATIONS SUPPLEMENT TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" BY THE USDOT.

ALL MATERIAL CLEARED OR DEMOLISHED BY THE CONTRACTOR IN ORDER TO CONSTRUCT THE WORK SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE PROPERLY DISPOSED

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

CONTRACTOR SHALL CALL THE NORTH CAROLINA ONE-CALL CENTER AT 811 AN ALLOW THE CENTER TO LOCATE EXISTING UTILITIES BEFORE DIGGING.

ANY DISCREPANCY IN THIS PLAN AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER PRIOR TO START OF CONSTRUCTION. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL SETBACKS, EASEMENTS AND DIMENSIONS SHOWN HEREON BEFORE BEGINNING CONSTRUCTION.

CONTRACTOR SHALL MAINTAIN THE SITE IN A MANNER SO THAT WORKMEN AND PUBLIC SHALL BE PROTECTED FROM INJURY, AND ADJOINING PROPERTY PROTECTED FROM DAMAGE.

ACCESS TO UTILITIES, FIRE HYDRANTS, STREET LIGHTING, ETC., SHALL REMAIN UNDISTURBED, UNLESS COORDINATED WITH THE RESPECTIVE UTILITY.

DO NOT SCALE THIS DRAWING AS IT IS A REPRODUCTION AND SUBJECT TO DISTORTION.

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

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

I. ALL STREET SURFACES, DRIVEWAYS, CULVERTS, CURB AND GUTTERS, ROADSIDE DRAINAGE DITCHES AND OTHER STRUCTURES THAT ARE DISTURBED OR DAMAGED IN ANY MANNER AS A RESULT OF CONSTRUCTION SHALL BE REPLACED OR REPAIRED IN ACCORDANCE WITH THE

SPECIFICATIONS. CONTRACTOR SHALL MAINTAIN AN "AS-BUILT" SET OF DRAWINGS TO RECORD THE EXACT LOCATION OF ALL PIPING PRIOR TO CONCEALMENT. DRAWINGS SHALL BE GIVEN TO THE OWNER UPON

COMPLETION OF THE PROJECT WITH A COPY OF THE TRANSMITTAL LETTER TO THE ENGINEER. . IF DEPARTURES FROM THE SPECIFICATIONS OR DRAWINGS ARE DEEMED NECESSARY BY THE CONTRACTOR. DETAILS OF SUCH DEPARTURES AND REASONS THEREOF SHALL BE GIVEN TO THE OWNER FOR REVIEW, NO DEPARTURES FROM THE CONTRACT DOCUMENTS SHALL BE MADE

WITHOUT THE PERMISSION OF THE OWNER, THE CITY OF WILMINGTON, NEW HANOVER COUNTY, OR CEPUA RESPECTIVELY CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES. THE LOCATION OF ALL EXISTING UTILITIES ARE NOT NECESSARILY SHOWN ON PLANS AND WHERE SHOWN ARE ONLY APPROXIMATE. THE CONTRACTOR SHALL ON HIS INITIATIVE AND AT NO EXTRA COST HAVE LOCATED ALL UNDERGROUND LINES AND STRUCTURES AS NECESSARY. NO CLAIMS FOR DAMAGES OR EXTRA COMPENSATION SHALL ACCRUE TO THE CONTRACTOR FROM THE PRESENCE OF SUCH PIPE OTHER OBSTRUCTIONS OR FROM DELAY DUE TO REMOVAL OR

REARRANGEMENT OF THE SAME. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO

UNDERGROUND STRUCTURES. CONTACT NORTH CAROLINA ONE CALL" TOLL FREE 1-800-632-4949

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

AT LEAST 48 HOURS PRIOR TO CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR

9. 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

. 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.

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

NEW HANOVER COUNTY LAND QUALITY STABILIZATION TIME FRAME NOTE: DENUDED AREAS MUST BE STABILIZED WITH FIFTEEN (15) WORKING DAYS OF CEASE OF ANY PHASE OF ACTIVITY. ALL SLOPES MUST BE STABILIZED WITHIN TWENTY-ONE (21) CALENDAR DAYS OF CEASE OF ANY PHASE OF ACTIVITY. THIS INCLUDES SLOPES, SWALES, CHANNELS AND

NO PAINT OR LIQUID WASTES IN STREAM OR STORM DRAINS.

WETLANDS, OR BUFFERS.

DEDICATED AREAS FOR DEMOLITION, CONSTRUCTION AND OTHER WASTES MUST BE LOCATED 50' FROM STORM DRAINS AND STREAMS UNLESS NO REASONABLE ALTERNATIVES AVAILABLE. EARTHEN-MATERIALS STOCKPILES MUST BE LOCATED 50' FROM STORM DRAINS AND STREAMS

UNLESS NO REASONABLE ALTERNATIVES AVAILABLE. 4. CONCRETE MATERIALS MUST BE CONTROLLED TO AVOID CONTACT WITH SURFACE WATERS.

NPDES INSPECTIONS: 1. SAME WEEKLY INSPECTION REQUIREMENTS.

SAME RAIN GAUGE & INSPECTIONS AFTER 0.5" RAIN EVENT. INSPECTIONS ARE ONLY REQUIRED DURING "NORMAL BUSINESS HOURS".

INSPECTION REPORTS MUST BE AVAILABLE ON-SITE DURING BUSINESS HOURS UNLESS A SITE-SPECIFIC EXEMPTION IS APPROVED

RECORDS MUST BE KEPT FOR 3 YEARS AND AVAILABLE UPON REQUEST 6. ELECTRONICALLY AVAILABLE RECORDS MAY BE SUBSTITUTED UNDER CERTAIN CONDITIONS.

1. OUTLET STRUCTURES MUST WITHDRAW FROM BASIN SURFACE UNLESS DRAINAGE AREA IS

PERMIT NCG010000 ONLY

LESS THAN 1 ACRE.

2. USE ONLY DWQ-APPROVED FLOCULANTS.

ENFORCEMENT ACTION UNDER THE COUNTY CODE.

THIS PAGE IS SUBMITTED TO COMPLY WITH NPDES GENERAL STORMWATER PERMIT NCG010000. THIS PAGE CAN BE APPROVED BY THE COUNTY PURSUANT TO NPDES GENERAL STORMWATER

THIS PAGE OF THE APPROVED PLANS IS ENFORCEABLE EXCLUSIVELY PURSUANT TO NPDES GENERAL STORMWATER PERMIT NCG010000. THE COUNTY IS NOT AUTHORIZED TO ENFORCE THE NPDES PORTION OF THIS PAGE OF THE PLANS AND THEY ARE NOT A PART OF THE APPROVED PLANS FOR THE PURPOSES OF

GENERAL EROSION AND SEDIMENT CONTROL NOTES:

THE EROSION CONTROL PLAN SHALL INCLUDE PROVISIONS FOR GROUNDCOVER ON ALL EXPOSED PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3:1 WITHIN 7 CALENDAR DAYS FROM THE LAST LAND DISTURBING ACTIVITY. GROUND COVER SHALL BE PROVIDED ON PROJECT IS DEVELOPED; WHETHER AS A WHOLE OR IN PHASES. ANY EROSION CONTROL ALL OTHER DISTURBED AREAS WITHIN 14 CALENDAR DAYS FROM THE LAST LAND DISTURBING ACTIVITY.

UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE NORTH CAROLINA EROSION AND SEDIMENT CONTROL HANDBOOK. (NO SEPARATE PAYMENT)

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.

ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO CLEARING AND/OR LAND DISTURBANCE.

5. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN AND PERMIT SHALL BE MAINTAINED

6. PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING, BUT NOT LIMITED TO OFF-SITE BORROW OR WASTE AREAS STAGING OR STORAGE AREAS). THE CONTRACTOR SHALL PREPARE AND SUBMIT A SUPPLEMENTARY EROSION CONTROL PLAN TO THE OWNER FOR REVIEW AND TO NEW HANOVER COUNTY FOR APPROVAL. CONTRACTOR SHALL PAY ALL FEES REQUIRED AND SHALL INSTALL NECESSARY MEASURES AT NO SEPARATE PAYMENT. THE CONTRACTOR SHALL PROVIDE THE OWNER AND THE ENGINEER A COPY OF THE AMENDED PERMIT

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).

ALL DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASURES AT ALL TIMES DURING LAND DISTURBING ACTIVITIES AND DURING SITE DEVELOPMENT UNTIL FINAL STABILIZATION IS

9. ALL AREAS DISTURBED BY CONSTRUCTION UNLESS OTHERWISE IMPROVED SHALL BE SODDED OR SEEDED AS INDICATED AND STABILIZED.

10. DURING DEWATERING OPERATIONS, WATER SHALL BE PUMPED INTO AN APPROVED FILTERING DEVICE PRIOR TO DISCHARGE TO RECEIVING OUTLET.

11. THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUNOFF-PRODUCING EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY.

12. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED BY CONTRACTOR ONCE STABILIZATION OR A SUFFICIENT GROUND COVER HAS BEEN ESTABLISHED OR AS DIRECTED BY THE ENGINEER. (NO SEPARATE PAYMENT). NCDENR'S FINAL APPROVAL IS REQUIRED.

13. TEMPORARY GRAVEL CONSTRUCTION ENTRANCE SHALL BE REQUIRED AT ALL CONSTRUCTION STAGING AREA ENTRANCES AND ALL CONSTRUCTION ACCESS LOCATIONS INTO NON-PAVED AREA. (NO SEPARATE

14. WHEN CROSSING CREEK OR DRAINAGE-WAY. THE DIVISION OF WATER QUALITY SHALL BE CONTACTED PRIOR TO DISTURBING A CREEK. THE CONTRACTOR SHALL INSTALL RIP-RAP WITH FABRIC ALONG DISTURBED BANKS AND CHANNEL AND RESTORE SLOPES TO ORIGINAL CONTOURS, BUT NOT STEEPER THAN 2:1 MAXIMUM. DISTURBED CREEK AREA SHALL BE STABILIZED IMMEDIATELY.

DEMOLITION NOTES

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

CONTRACTOR IS TO WALK THE SITE AND BECOME FAMILIAR WITH THE SCOPE OF DEMOLITION REQUIRED. ALL DEMOLITION WORK REQUIRED TO CONSTRUCT NEW SITE IMPROVEMENTS WILL BE PERFORMED BY THE CONTRACTOR AND WILL BE CONSIDERED UNCLASSIFIED EXCAVATION.

DEMOLITION SHALL INCLUDE BUT IS NOT LIMITED TO THE EXCAVATION, HAULING AND OFFSITE DISPOSAL OF CONCRETE PADS, CONCRETE DITCHES, FOUNDATIONS, SLABS, STEPS, AND STRUCTURES: ABANDONED UTILITIES. BUILDINGS. PAVEMENTS AND ALL MATERIALS CLEARED AND STRIPPED TO THE EXTENT NECESSARY AS DIRECTED BY THE GEOTECHNICAL ENGINEER FOR THE INSTALLATION OF THE NEW IMPROVEMENTS AND WITHIN THE LIMITS OF CLEARING AND GRADING AND AS SHOWN ON THESE PLANS.

THE CONTRACTOR SHALL PROTECT ALL ADJACENT PROPERTY, STRUCTURES AND UTILITIES ON THE PROPERTY NOT TO BE DEMOLISHED. DAMAGE TO PROPERTIES OF OTHERS DUE TO THE CONTRACTOR'S ACTIVITIES SHALL BE REPLACED IN KIND BY THE CONTRACTOR AT NO COST TO

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.

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

ALL EXISTING IMPROVEMENTS INDICATED OR REQUIRED TO BE DEMOLISHED SHALL INCLUDE REMOVAL FROM THE PROPERTY AND PROPER DISPOSAL.

CONTRACTOR SHALL COORDINATE RELOCATION OF ALL EXISTING OVERHEAD AND UNDERGROUND UTILITIES INCLUDING CABLE, GAS, TELEPHONE AND ELECTRIC AND ANY OTHER UTILITIES THROUGH THE SITE WITH THE RESPECTIVE COMPANIES.

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

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

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.

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

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

TRAFFIC CONTROL DEVICES (INCLUDING SIGNS AND PAVEMENT MARKINGS) IN AREAS OPEN TO PUBLIC

TRAFFIC ARE TO MEET MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES) STANDARDS.

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

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

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

NEW HANOVER COUNTY LAND QUALITY STABILIZATION TIME FRAME NOTE DENUDED AREAS MUST BE STABILIZED WITH FIFTEEN (15) WORKING DAYS OF CEASE OF ANY PHASE OF ACTIVITY. ALL SLOPES MUST BE STABILIZED WITHIN TWENTY-ONE (21) CALENDAR DAYS OF CEASE OF ANY PHASE OF ACTIVITY. THIS INCLUDES SLOPES, SWALES, CHANNELS AND STOCKPILES.

STABILIZATION TIME FRAMES

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

NPDES WATER QUALITY STABILIZATION TIME FRAMES						
SITE AREA DESCRIPTION	STABILIZATION	TIMEFRAME EXCEPTIONS				
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE				
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE				
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED				
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH				
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HQW ZONES				

EROSION CONTROL AND SEQUENCE OF CONSTRUCTION NOTES:

MPROVEMENTS WITHIN THE DISTURBANCE LIMITS ARE COMPLETE.

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

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. INSTALL REMAINING EROSION CONTROL MEASURES AS SHOWN ON THE PLANS WITHIN THE AREA DISTURBED. ALL EROSION CONTROL MEASURES MUST BE INSTALLED BEFORE COMMENCING

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

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

6. 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.

7. DURING GRADING AND AFTER GRADING HAS BEEN COMPLETE, THE CONTRACTOR SHALL CONTINUE TO MAINTAIN PERMANENT AND TEMPORARY EROSION CONTROL MEASURES UNTIL FINAL APPROVAL BY ENGINEER OR EROSION CONTROL INSPECTOR.

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

9. THE CONTRACTOR SHALL CONTINUE TO WATER, FERTILIZE, MOW AND MAINTAIN GRASS & PLANTED 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 RUNOFF- PRODUCING RAINFALL BUT IN NO CASE LESS THAN ONCE EVERY WEEK. ANY NEEDED REPAIRS WILL BE MADE IMMEDIATELY TO MAINTAIN ALL PRACTICES AS DESIGNED.

2. ALL CONSTRUCTION ENTRANCES WILL BE PERIODICALLY TOP DRESSED WITH AN ADDITIONAL 2 INCHES OF #4 STONE TO MAINTAIN PROPER DEPTH. ANY SEDIMENT THAT IS TRACKED INTO THE STREET WILL BE IMMEDIATELY REMOVED

3. SEDIMENT WILL BE REMOVED BEHIND THE SEDIMENT FENCE WHEN IT BECOMES 0.5 FEET DEEP AT THE FENCE. THE SEDIMENT FENCE WILL BE BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER. SILT FENCE STAKES WILL BE SPACED 6 FEET APART UNLESS A WIRE BACKING IS USED WITH 8 FOOT STAKE

4. ALL SEEDED AREAS WILL BE FERTILIZED, RESEEDED AS NECESSARY, AND MULCHED ACCORDING TO SPECIFICATIONS IN THE VEGETATIVE PLAN TO MAINTAIN A VIGOROUS, DENSE VEGETATIVE COVER.

5. STORM SEWER INLET PROTECTION - INSPECT SILT SACK (OR SIMILAR APPROVED PRODUCT) INLET PROTECTION AT LEAST ONCE A WEEK AND AFTER EACH SIGNIFICANT (\$\frac{1}{2}\) INCH OR GREATER) RAINFALL EVENT AND REPAIR IMMEDIATELY. REMOVE SEDIMENT AND RESTORE THE SEDIMENT STORAGE AREA TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH OF THE TRAP. PLACE THE SEDIMENT THAT IS REMOVED IN THE DESIGNATED DISPOSAL AREA AND REPLACE THE SILT SACK IF REQUIRED.

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.

7. SEDIMENT BASIN BAFFLES - REPLACE ANY BROKEN, COLLAPSED, TORN, OR DECOMPOSED BAFFLE AND FOLLOW SEDIMENT REMOVAL DEPTH OF THE SEDIMENT BASIN AND SEDIMENT ATTACHED TO THE

8. 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

9. OUTLET PROTECTION - INSPECT RIP RAP OUTLET STRUCTURES WEEKLY AND AFTER SIGNIFICANT (2) INCH OR GREATER) RAINFALL EVENTS TO SEE IF ANY EROSION AROUND OR BELOW THE RIP RAP HAS TAKEN PLACE, OR IF STONES HAVE BEEN DISLODGED. IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT

10. ROCK PIPE INLET PROTECTION - INSPECT AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (\$\frac{1}{2}\) INCH OR GREATER) RAINFALL EVENT AND REPAIR IMMEDIATELY. REMOVE SEDIMENT AND RESTORE THE SEDIMENT STORAGE AREA TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH OF THE TRAP. PLACE THE SEDIMENT THAT IS REMOVED IN THE DESIGNATED DISPOSAL AREA AND REPLACE THE CONTAMINATED PART OF THE GRAVEL FACING. CHECK THE STRUCTURE FOR DAMAGE. ANY RIP RAP DISPLACED FROM THE STONE HORSESHOW MUST BE REPLACED IMMEDIATELY. WHEN THE AREA PROTECTED IS PERMANENTLY STABILIZED, REMOVE THE STRUCTURE AND ALL UNSTABLE SEDIMENT AND SMOOTH TO BLEND WITH THE NATURAL ADJOINING AREAS AND APPROPRIATELY STABILIZE.

11. 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.

12. TEMPORARY DIVERSION DITCH - INSPECT TEMPORARY DIVERSIONS ONCE A WEEK AND AFTER EVERY RAINFALL. IMMEDIATELY REMOVE SEDIMENT FROM THE FLOW AREA AND REPAIR THE DIVERSION RIDGE. CAREFULLY CHECK OUTLETS AND MAKE TIMELY REPAIRS AS NEEDED. WHEN THE AREA PROTECTED IS PERMANENTLY STABILIZED, REMOVE THE RIDGE AND THE CHANNEL TO BLEND WITH THE NATURAL GROUND LEVEL AND APPROPRIATELY STABILIZE.

13. GRASS SWALES - INSPECT SWALES WEEKLY AND AFTER EVERY RAINFALL EVENT. AFTER GRASS HAS BEEN ESTABLISHED INSPECT THE SWALES PERIODICALLY AND AFTER EVERY HEAVY (INCH OR GREATER) RAINFALL EVENT AND REPAIR IMMEDIATELY. INSPECT THE CHANNEL OUTLET AND ALL ROAD CROSSINGS FOR BANK STABILITY AND EVIDENCE OF PIPING OR SCOUR HOLES. REMOVE ALL SIGNIFICANT SEDIMENT ACCUMULATIONS TO MAINTAIN THE DESIGNED CARRYING CAPACITY. KEEP THE GRASS IN A HEALTHY, VIGOROUS CONDITION AT ALL TIMES, SINCE IT IS THE PRIMARY EROSION

PROTECTION FOR THE CHANNEL. 14. INSPECT CHECK DAMS AND MAINTAIN DESIGN DIMENSION AS NECESSARY. REMOVE SEDIMENT ACCUMULATION OR DEBRIS BEHIND CHECK DAMS AND REGRADE DITCHES IF WATER WASHES OUT AROUND CHECK DAMS. REPLACE SEDIMENT CLOGGED FILTER GRAVEL ON CHECK DAMS.

PERMANENT SEEDING

15. TEMPORARY WATTLES - INSPECT AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1/2 INCH OR GREATER) RAIN FALL EVENT AND REPAIR IMMEDIATELY IF REQUIRED. MAINTAIN GOOD CONTACT WITH THE GROUND AND ENSURE NO EROSION OCCURS UNDERNEATH. MONITOR AND REPAIR AS NECESSARY UNTIL GROUND COVER IS ESTABLISHED.

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

NC ACCESSIBILITY NOTES:

SPECIAL ATTENTION SHALL BE GIVEN TO COMPLIANCE WITH AMERICANS WITH DISABILITIES ACT (2010 ADA STANDARDS), THE NORTH CAROLINA BUILDING CODE/ANSI A117.1, AND APPLICABLE LOCAL LAWS &

2. IT IS ESSENTIAL THAT CONTRACTORS ARE AWARE OF THE SITE ACCESSIBILITY REQUIREMENTS PARAMOUNTE ENGINEERING HAS DEVELOPED THESE NOTES AND DETAILS TO ASSURE THAT CONTRACTORS ARE AWARE OF THE REQUIREMENTS AT THE POINT IN TIME WHEN THEY ARE BIDDING THE PROJECT. IN ADDITION, PARAMOUNTE ENGINEERING HAS MADE A POINT IN THESE NOTES AND DETAILS, AS WELL AS IN OUR DRAWINGS, TO PROVIDE SLOPES / GRADES AND DIMENSIONS THAT COMPLY WITH THE AMERICANS WITH DISABILITIES ACT (2010 ADA STANDARDS), THE NORTH CAROLINA BUILDING CODE/ANSI A117.1 AND APPLICABLE LOCAL LAWS & REGULATIONS. IF THESE SLOPES / GRADES AND DIMENSIONS ARE NOT ACHIEVABLE, THE CONTRACTOR IS REQUIRED TO CONTACT THE OWNER IMMEDIATELY AND BEFORE MOVING FORWARD WITH THE WORK.

3 THE CONTRACTOR SHALL NOTIFY PARAMOUNTE ENGINEERING IMMEDIATELY OF ANY CONFLICT BETWEEN THESE NOTES AND DETAILS AND OTHER PROJECT DRAWINGS, WHETHER BY PARAMOUNTE ENGINEERING OR OTHERS. THE CONTRACTOR SHALL NOT PROCEED WITH THE WORK FOR WHICH THE ALLEGED CONFLICT HAS BEEN DISCOVERED UNTIL SUCH ALLEGED CONFLICT HAS BEEN RESOLVED. NO CLAIM SHALL BE MADE BY THE CONTRACTOR FOR DELAY OR DAMAGES AS A RESULT OF RESOLUTION OF ANY SUCH CONFLICT(S).

THESE ACCESSIBILITY NOTES AND DETAILS ARE INTENDED TO DEPICT SLOPE AND DIMENSIONAL REQUIREMENTS ONLY. REFER TO SIDEWALK, CURBING, AND PAVEMENT DETAILS FOR ADDITIONAL INFORMATION.

ACCESSIBLE ROUTE NOTES:

1. AT LEAST ONE ACCESSIBLE ROUTE SHALL BE PROVIDED WITHIN THE SITE FROM ACCESSIBLE PARKING SPACES AND ACCESSIBLE PASSENGER LOADING ZONES; PUBLIC STREETS OR SIDEWALKS; AND PUBLIC TRANSPORTATION STOPS TO THE ACCESSIBLE BUILDING OR FACILITY ENTRANCE THEY SERVE.

2. AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT ACCESSIBLE BUILDINGS, ACCESSIBLE FACILITIES. ACCESSIBLE ELEMENTS, AND ACCESSIBLE SPACES THAT ARE ON THE SAME SITE.

3. WALKING SURFACES THAT ARE PART OF AN ACCESSIBLE ROUTE SHALL HAVE A MAXIMUM RUNNING SLOPE OF 5.0% AND A MAXIMUM CROSS SLOPE OF 2.0%.

THAN 5.0% IS A RAMP AND SHALL COMPLY WITH THE GUIDELINES FOR RAMPS OR CURB RAMPS. TRANSITIONS BETWEEN RAMPS, WALKS, LANDINGS, GUTTERS OR STREETS SHALL BE FLUSHAND FREE

OF ABRUPT VERTICAL CHANGES (1/4 INCH MAXIMUM VERTICAL CHANGE IN LEVEL PERMITTED).

4. ANY WALKING SURFACE THAT IS PART OF AN ACCESSIBLE ROUTE WITH A RUNNING SLOPE GREATER

6. FLOOR SURFACES SHALL BE STABLE, FIRM AND SLIP RESISTANT

7. THE MINIMUM CLEAR WIDTH OF EXTERIOR ACCESSIBLE ROUTES SHALL BE FORTY-EIGHT (48) INCHES MINIMUM MEASURED BETWEEN HANDRAILS WHERE HANDRAILS ARE PROVIDED (NC BUILDING CODE 1104.1 & 1104.2).

8. WHERE AN ACCESSIBLE ROUTE MAKES A 180 DEGREE TURN AROUND AN OBJECT THAT IS LESS THAN FORTY-EIGHT (48) INCHES IN WIDTH, CLEAR WIDTH SHALL BE FORTY-TWO (42) INCHES MINIMUM APPROACHING THE TURN, FORTY-EIGHT (48) INCHES MINIMUM DURING THE TURN, AND FORTY-TWO (42) INCHES MINIMUM LEAVING THE TURN. THE CLEAR WIDTH APPROACHING AND LEAVING THE TURN MAY BE THIRTY-SIX (36) INCHES MINIMUM WHEN THE CLEAR WIDTH AT THE TURN IS SIXTY (60) INCHES MINIMUM. * SEE NOTE 7 ABOVE FOR NC CLEAR WIDTH OF EXTERIOR ACCESSIBLE ROUTES*

AN ACCESSIBLE ROUTE WITH A CLEAR WIDTH LESS THAN SIXTY (60) INCHES SHALLPROVIDE PASSING SPACES AT INTERVALS OF TWO HUNDRED (200) FEET MAXIMUM. PASSING SPACES SHALL BE EITHER A SIXTY (60) INCH MINIMUM BY SIXTY (60) INCH MINIMUM SPACE; OR AN INTERSECTION OF TWO (2) WALKING SURFACES THAT PROVIDE A COMPLIANT T-SHAPED TURNING SPACE, PROVIDED THE BASE AND ARMS OF THE T-SHAPED SPACE EXTEND FORTY-EIGHT (48) INCHES MINIMUM BEYOND THE

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

ANY PART OF AN ACCESSIBLE ROUTE WITH A RUNNING SLOPE GREATER THAN 5% SHALL BE CONSIDERED A RAMP.

2. THE MAXIMUM RUNNING SLOPE FOR A RAMP SHALL BE 8.33% AND THE MAXIMUM CROSS SLOPE SHALL

3. THE CLEAR WIDTH OF AN EXTERIOR RAMP RUN SHALL BE FORTY EIGHT INCHES (NC BUILDING CODE 1104.1). WHERE HANDRAILS ARE PROVIDED ON THE RAMP RUN, THE CLEAR WIDTH SHALL BE MEASURED BETWEEN THE HANDRAILS.

4. THE RISE FOR ANY RAMP RUN SHALL BE THIRTY (30) INCHES MAXIMUM.

5. LANDINGS SHALL BE PROVIDED AT THE TOP AND BOTTOM OF RAMPS. LANDINGS SHALL HAVE A SLOPE NOT STEEPER THAN 2.0% IN ANY DIRECTION. THE LANDING CLEAR WIDTH SHALL BE AT LEAST AS WIDE AS THE WIDEST RAMP RUN LEADING TO THE LANDING. THE LANDING CLEAR LENGTH SHALL BE SIXTY (60) INCHES LONG MINIMUM. RAMPS THAT CHANGE DIRECTION BETWEEN RUNS AT LANDINGS SHALL HAVE A CLEAR LANDING OF SIXTY (60) INCHES BY SIXTY (60) INCHES MINIMUM.

6. RAMP RUNS WITH A RISE GREATER THAN SIX (6) INCHES SHALL HAVE HANDRAILS ON BOTH SIDES COMPLYING WITH THE AMERICANS WITH DISABILITIES ACT (2010 ADA STANDARDS), THE NC BUILDING CODE/ANSI A117.1, AND APPLICABLE LOCAL LAWS & REGULATIONS.

7. FLOOR SURFACES OF RAMPS AND LANDINGS SHALL BE STABLE, FIRM AND SLIP RESISTANT.

8. EDGE PROTECTION COMPLYING WITH AMERICANS WITH DISABILITIES ACT (2010 ADA STANDARDS), THE NC BUILDING CODE/ANSI A117.1, AND APPLICABLE LOCAL LAWS & REGULATIONS SHALL BE PROVIDED ON EACH SIDE OF RAMP RUNS AND ON EACH SIDE OF RAMP LANDINGS.

WHERE DOORWAYS ARE LOCATED ADJACENT TO A RAMP LANDING, MANEUVERING CLEARANCES REQUIRED BY THE AMERICANS WITH DISABILITIES ACT (2010 ADA STANDARDS), THE NC BUILDING CODE/ANSI A117.1 SHALL BE PERMITTED TO OVERLAP THE REQUIRED LANDING AREA. WHERE DOORS THAT ARE SUBJECT TO LOCKING ARE ADJACENT TO A RAMP LANDING, LANDINGS SHALL BE SIZED TO PROVIDE A COMPLIANT TURNING SPACE

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

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).* LANDINGS SHALL BE PROVIDED AT THE TOP OF CURB RAMPS. THE CLEAR LENGTH OF THE LANDING SHALL BE THIRTY-SIX (36) INCHES MINIMUM. THE CLEAR WIDTH OF THE LANDING SHALL BE AT LEAST AS WIDE AS THE CURB RAMP, EXCLUDING FLARED SIDES, LEADING TO THE LANDING. LANDINGS SHALL

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%.

HAVE A SLOPE NOT STEEPER THAN 2% IN ANY DIRECTION.

7. CURB RAMPS AND THE FLARED SIDES OF CURB RAMPS SHALL BE LOCATED SO THAT THEY DO NOT PROJECT INTO VEHICULAR TRAFFIC LANES, PARKING SPACES OR PARKING ACCESS AISLES. CURBS AT MARKED CROSSINGS SHALL BE WHOLLY CONTAINED WITHIN THE MARKINGS. EXCLUDING ANY FLARED

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

9. IT IS RECOMMENDED TO PROVIDE CURB RAMPS WITH A TWENTY-FOUR (24) INCH DEEP DETECTABLE WARNING COMPLYING WITH 406.12 A117.1, EXTENDING THE FULL WIDTH OF THE RAMP. REFERTO DETECTABLE WARNING DETAILS AND NOTES FOR PLACEMENT, ORIENTATION AND NOTES, THE NC. BUILDING CODE DOES NOT CURRENTLY REQUIRE DETECTABLE WARNINGS AT CURB RAMPS, NOR DO THE 2010 ADA STANDARDS - HOWEVER US DOT ADA REGULATIONS DO REQUIRE THESE.

10. FLOOR SURFACES OF CURB RAMPS SHALL BE DEEP GROOVED, $\frac{1}{2}$ INCH WIDE BY $\frac{1}{4}$ INCH DEEP, ONE (1) INCH CENTERS TRANSVERSE TO THE RAMP.

11. WHERE PROVIDED, STOP LINES SHALL BE LOCATED IN ADVANCE OF CURB RAMP.

12. WHERE PROVIDED, PEDESTRIAN ACTIVATED SIGNALS SHALL BE LOCATED ADJACENT TO THE SIDEWALK AND NOT ON THE SIDEWALK. 13. WHERE PROVIDED, DRAINAGE INLETS SHALL BE LOCATED UPSTREAM OF CURB RAMPS AND NOT IN THE

14. CURB RAMP TYPE AND LOCATION ARE PER PLAN.

RAMP ARFA

NC ACCESSIBILITY NOTES CONTD.

VAN ACCESSIBLE PARKING SPACES.

PARKING SPACE NOTES:

1. ACCESSIBLE PARKING SPACES SHALL BE LOCATED ON THE SHORTEST ACCESSIBLE ROUTES OF TRAVEL FROM ADJACENT PARKING TO AN ACCESSIBLE BUILDING ENTRANCE.

2. ACCESSIBLE PARKING SPACES SHALL BE AT LEAST NINETY-SIX (96) INCHES WIDE. ACCESS AISLES SHALL BE 60 INCHES WIDE. ONE OF SIX ACCESSIBLE SPACES SHOULD PROVIDE A VAN ACCESSIBLE AISLE. THE AISLE SHOULD BE 96 INCHES WIDE (OR ACCESSIBLE SPACE IS 11 FEET AND ACCESS AISLE IS FIVE FEET) WHERE PARKING SPACES AND ACCESS AISLES ARE MARKED WITH LINES, THE WIDTH MEASUREMENTS SHALL BE MADE FROM CENTERLINE OF THE MARKINGS. WHERE PARKING SPACES OR ACCESS AISLES ARE NOT ADJACENT TO ANOTHER PARKING SPACE OR ACCESS AISLES. MEASUREMENTS SHALL BE PERMITTED TO INCLUDE THE FULL WIDTH OF THE LINE DEFINING THE PARKING SPACE OR ACCESS AISLE

3. PARKING ACCESS AISLES SHALL BE PART OF AN ACCESSIBLE ROUTE TO THE BUILDING OR FACILITY ENTRANCE AND SHALL COMPLY WITH PROVISIONS FORACCESSIBLE ROLLTES. MARKED CROSSINGS SHALL BE PROVIDED WHERE THE ACCESSIBLE ROUTE MUST CROSS VEHICULAR TRAFFIC LANES. WHERE POSSIBLE, IT IS PREFERABLE THAT THE ACCESSIBLE ROUTE NOT PASS BEHIND PARKED VEHICLES.

4. TWO (2) ACCESSIBLE PARKING SPACES MAY SHARE A COMMON ACCESS AISLE.

5. ACCESS AISLES SHALL EXTEND THE FULL LENGTH OF THE PARKING SPACE THEY SERVE.

6. ACCESS AISLES SHALL BE MARKED SO AS TO DISCOURAGE PARKING IN THEM.

BE PLACED ON EITHER SIDE OF THE PARKING SPACE EXCEPTFOR ANGLED VAN PARKING SPACES WHICH SHALL HAVE ACCESS AISLES LOCATED ON THE PASSENGER SIDE OF THE PARKING SPACES.

8. FLOOR SURFACES OF PARKING SPACES AND ACCESS AISLES SERVING THEM SHALL BE STABLE, FIRM

7. ACCESS AISLES SHALL NOT OVERLAP THE VEHICULAR WAY. ACCESS AISLES SHALL BE PERMITTED TO

SERVE. CHANGES IN LEVEL ARE NOT PERMITTED. 9. PARKING SPACES AND ACCESS AISLES SHALL BE LEVEL WITH SURFACE SLOPES NOT EXCEEDING 2.0% IN

AND SLIP RESISTANT. ACCESS AISLES SHALL BE AT THE SAME LEVEL AS THE PARKING SPACES THEY

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

11. PARKING SPACES FOR VANS AND ACCESS AISLES AND VEHICULAR ROUTES SERVING THEM SHALL PROVIDE A VERTICAL CLEARANCE OF NINETY-EIGHT (98) INCHES MINIMUM. SIGNS SHALL BE PROVIDED AT ENTRANCES TO PARKING FACILITIES INFORMING DRIVERS OF CLEARANCES AND THE LOCATION OF

12. EACH ACCESSIBLE PARKING SPACE SHALL BE PROVIDED WITH SIGNAGE DISPLAYING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY. SIGNS SHALL BE INSTALLED AT A MINIMUM CLEAR HEIGHT OF SIXTY (60) INCHES ABOVE GRADE AND SHALL NOT INTERFERE WITH AN ACCESSIBLE ROUTE FROM AN ACCESS AISLE. SIGNS LOCATED WHERE THEY MAY BE HIT BY VEHICLES BEING PARKED SHALL BE INSTALLED WITH BOLLARD PROTECTION.

13. SIGNAGE AT ACCESSIBLE PARKING SPACES REQUIRED BY THE NC BUILDING CODE SECTION 1106.1SHALL COMPLY WITH THE REQUIREMENTS OF NORTH CAROLINA GENERAL STATUTE 20-37 6 AND 136-30 AND THE NCDOT UNIFORM MANUAL ON TRAFFIC CONTROL DEVICES. A SEPARATE SIGN IS REQUIRED FOR EACH SPACE. SIGNS TO INDICATE THE MAXIMUM PENALTY MUST BE PROVIDED AT EACH ACCESSIBLE

14. ACCESSIBLE PARKING SPACE, ACCESS AISLE STRIPING, AND INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE PAINTED BLUE (OR ANOTHER COLOR THAT CAN BE DISTINGUISHED FROM PAVEMENT).

PASSENGER LOADING ZONE NOTES: 1. PASSENGER LOADING ZONES SHALL PROVIDE VEHICULAR PULL-UP SPACE NINETY-SIX (96) INCHES WIDE MINIMUM AND TWENTY (20) FEET LONG MINIMUM.

INCHES WIDE MINIMUM AND EXTENDS THE FULL LENGTH OF THE VEHICLE PULL-UP SPACE THEY

2. PASSENGER LOADING ZONES SHALL PROVIDE A CLEARLY MARKED ACCESS AISLE THAT IS SIXTY (60)

3. ACCESS AISLE SHALL ADJOIN AN ACCESSIBLE ROUTE AND NOT OVERLAP THE VEHICULAR WAY. 4. VEHICLE PULL-UP SPACES AND ACCESS AISLES SERVING THEM SHALL BE LEVEL WITH SURFACE SLOPES NOT EXCEEDING 2.0% IN ALL DIRECTIONS. ACCESS AISLES SHALL BE AT THE SAME LEVEL AS THE VEHICLE PULL-UP SPACE THEY SERVE. CHANGES IN LEVEL ARE NOT PERMITTED.

5. FLOOR SURFACES OF VEHICLE PULL-UP SPACES AND ACCESS AISLES SERVING THEM SHALL BE STABLE, 6. VEHICLE PULL-UP SPACES, ACCESS AISLES SERVING THEM AND A VEHICULAR ROUTE FROM AN

ENTRANCE TO THE PASSENGER LOADING ZONE. AND FROM THE PASSENGER LOADING ZONE TO A

VEHICULAR EXIT SERVING THEM, SHALL PROVIDE A VERTICAL CLEARANCE OF ONE HUNDRED FOURTEEN

(114) INCHES MINIMUM.

REGULATIONS

ACCESSIBLE ENTRANCE NOTES: 1. ACCESSIBLE ENTRANCES SHALL BE PROVIDED AS REQUIRED BY THE AMERICANS WITH DISABILITIES ACT (2010 ADA STANDARDS) AND THE NORTH CAROLINA BUILDING CODE, AND APPLICABLE LOCAL LAWS &

2. ENTRANCE DOORS, DOORWAYS AND GATES SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT (2010 ADA STANDARDS) THE NC BUILDING CODE/ANSI A117.1 AND SHALL BE ON AN ACCESSIBLE

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

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

ROOF DRAIN NOTE:

SYSTEM

EXISTING UTILITY NOTES IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO VERIFY THE ACTUAL

PROPOSED BUILDING SHALL DIVERT ROOF DRAINAGE TO STORMWATER COLLECTION

LOCATION AND AVAILABILITY OF ALL EXISTING AND PROPOSED UTILITIES IN THE FIELD PRIOR TO GROUND BREAKING. EXISTING UTILITIES AND STRUCTURES SHOWN, BOTH UNDERGROUND AND ABOVE GROUND, ARE BASED ON A FIELD SURVEY AND THE BEST AVAILABLE RECORD DRAWINGS. THE CONTRACTOR SHALL FIELD VERIFY FIELD CONDITIONS PRIOR TO BEGINNING RELATED CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE OWNER'S

REPRESENTATIVE IMMEDIATELY. WETLAND NOTES

1) THERE ARE NO WETLANDS WITHIN THE PROJECT BOUNDARY.



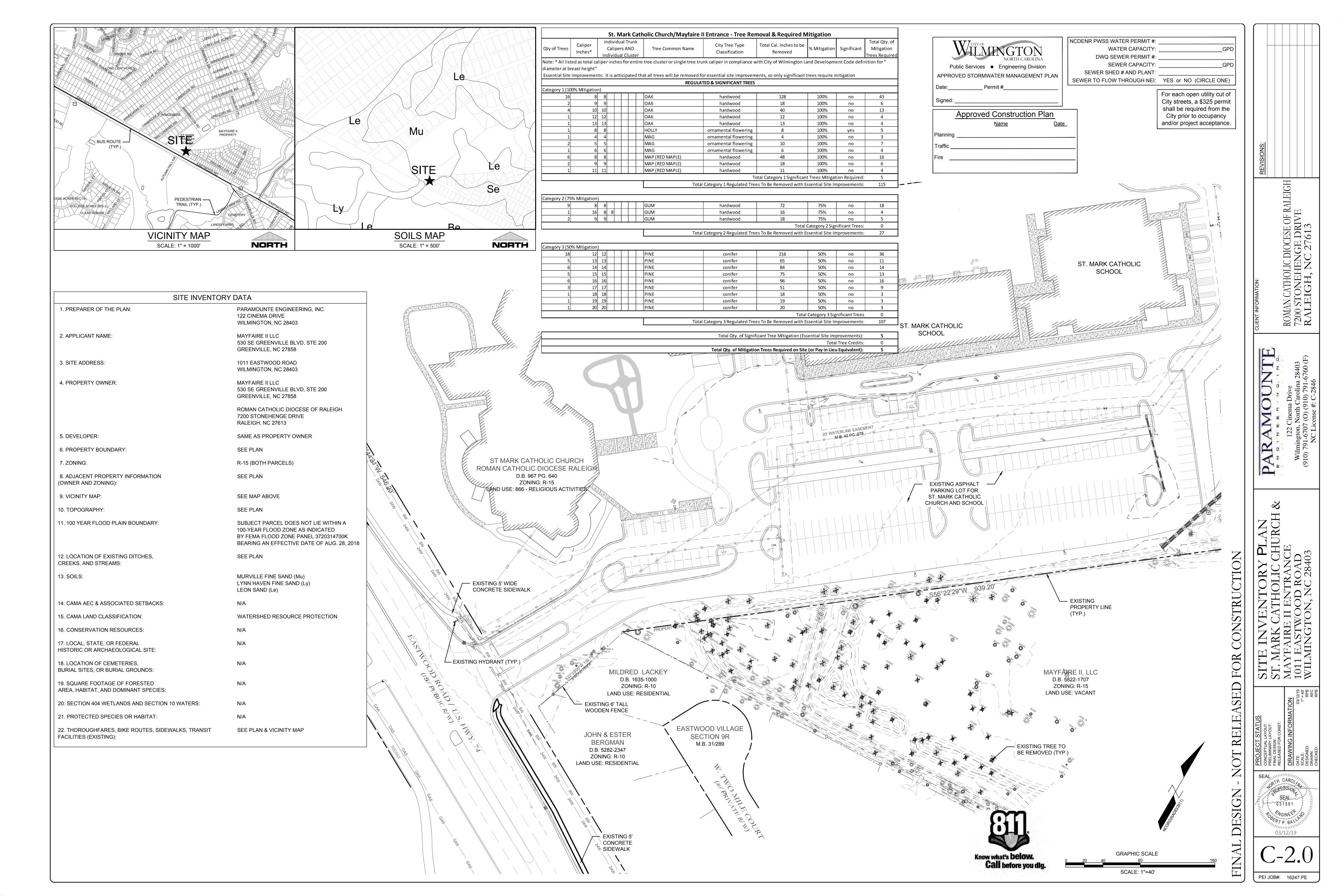
NCDENR PWSS WATER PERMIT #: WATER CAPACITY: DWQ SEWER PERMIT #: For each open utility cut of City streets, a \$325 permi GPD SEWER CAPACITY: shall be required from the SEWER SHED # AND PLANT: City prior to occupancy SEWER TO FLOW THROUGH NEI: YES or NO (CIRCLE ONE) and/or project acceptance. Approved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

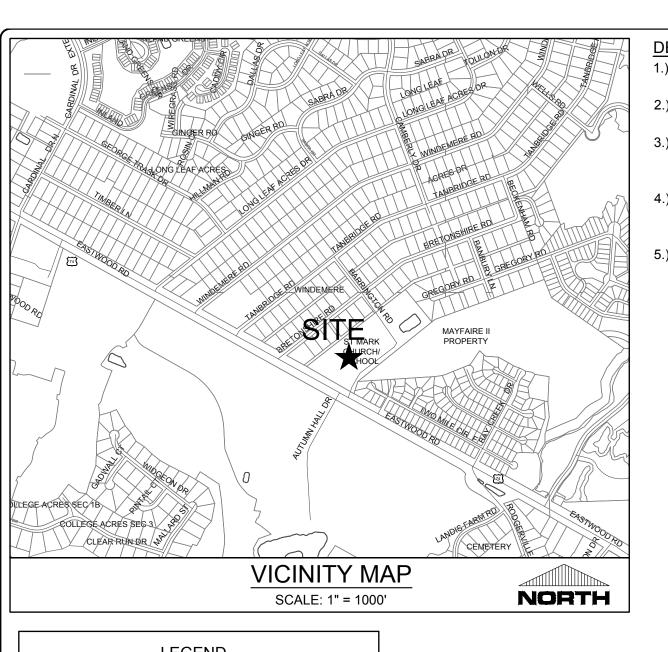
Public Services • Engineering Division APPROVED STORMWATER MANAGEMENT PLAN MA OO AI

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DEMOLITION NOTES: 1.) CONTRACTOR SHALL REFER TO SHEET C-1.0 GENERAL NOTES FOR DEMOLITION NOTES.

2.) CONTRACTOR SHALL REFER TO THE LANDSCAPE PLANS FOR SPECIFIC TREE REMOVAL

3.) CONTRACTOR SHALL MAKE NO PAVEMENT CUTS INTO EASTWOOD ROAD WITHOUT THE WRITTEN PERMISSION OF NCDOT.

4.) ALL UTILITIES SHALL BE ABANDONED AND/OR DEMOLISHED AND CAPPED PROPERLY IN ACCORDANCE WITH THE UTILITY OWNERS RULES AND REGULATIONS.

5.) CONTRACTOR SHALL COORDINATE WITH APPLICABLE UTILITY OWNER/PROVIDER FOR DEMOLITION AND/OR RELOCATION OF EXISTING FACILITIES IN PROJECT AREA.

Public Services

Engineering Division

APPROVED STORMWATER MANAGEMENT PLAN

DWQ SEWER PERMIT #: SEWER CAPACITY: SEWER SHED # AND PLANT: SEWER TO FLOW THROUGH NEI: YES or NO (CIRCLE ONE)

WATER CAPACITY:

NCDENR PWSS WATER PERMIT #:

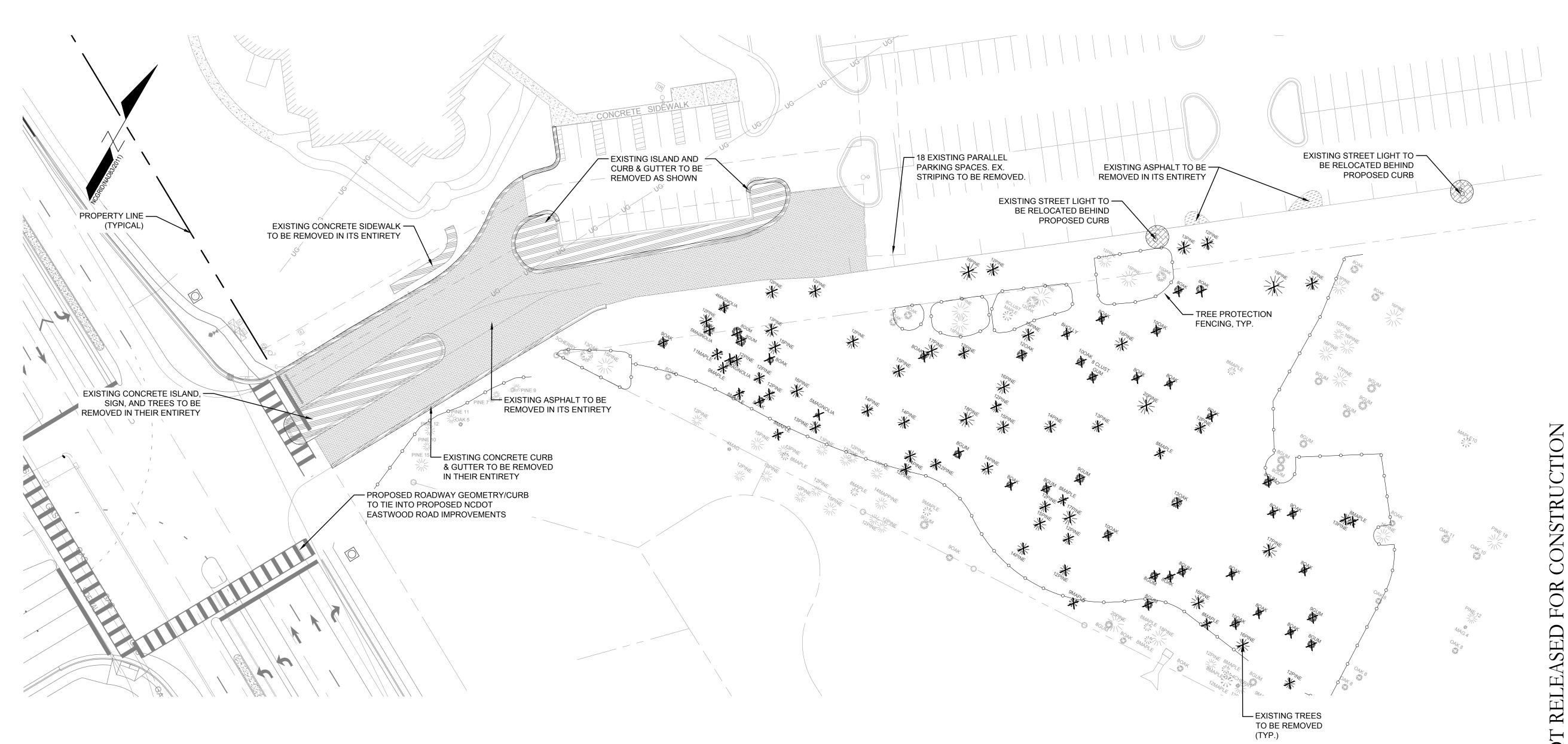
GPD

GPD

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

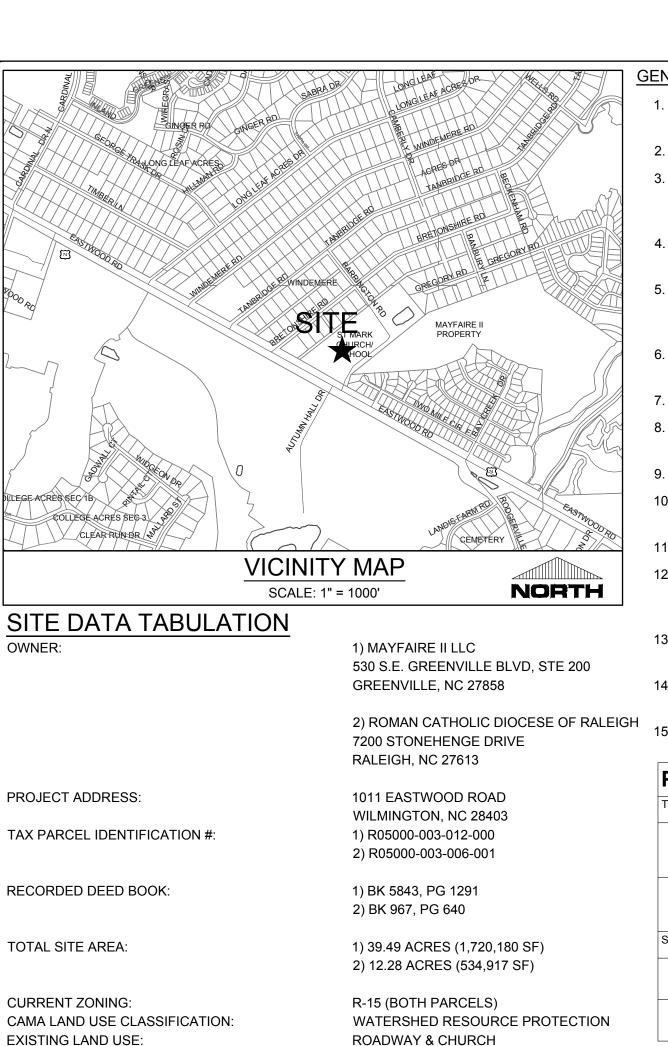
LEGEND EXISTING CONCRETE TO BE REMOVED EXISTING ASPHALT TO BE REMOVED EXISTING UTILITY LINE *HHHHH*, TO BE REMOVED **EXISTING STORM** STRUCTURE TO BE REMOVED **EXISTING** SIGN/LIGHT/UTILITY POLE TO BE REMOVED EXISTING PAVEMENT ___x___x__ MARKINGS TO BE REMOVED TREE PROTECTION **FENCING EXISTING TREES** TO BE REMOVED EXISTING BUILDING/STRUCTURE TO BE REMOVED





SCALE: 1"=30'

DESIGN



PROPOSED LAND USE: ROADWAY & CHURCH IMPERVIOUS INFORMATION **EXISTING IMPERVIOUS** ST MARK MAYFAIRE I TO BE REMOVED = 16,423 SF TO REMAIN = TOTAL EXISTING = 16,423 SF PROPOSED IMPERVIOUS ASPHALT ROADWAY/PARKING/C&G SIDEWALK/MULTI-USE PATH 27,333 SF TOTAL PROPOSED =

NET IMPERVIOUS = TOTAL PROPOSED IMPERVIOUS - EXISTING IMPERVIOUS TO BE REMOVED NET IMPERVIOUS = 22,046 SF - 16,423 SF = 5,623 SF

GENERAL NOTES

ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND/ OR NCDOT STANDARDS.

ALL SIGNS AND PAVEMENT MARKINGS IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO

- MEET MUTCD STANDARDS. ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT OF WAY ARE TO BE
- MAINTAINED BY THE PROPERTY OWNER IN ACCORDANCE WITH MUTCD STANDARDS ALL PARKING STALL MARKINGS AND LANE ARROWS WITHIN THE PARKING AREAS
- SHALL BE WHITE. ANY BROKEN OR MISSING SIDEWALK PANELS, DRIVEWAY PANELS AND CURBING WILL
- BE REPLACED.
- ALL RADIUS DIMENSIONS ARE MEASURED AT FACE OF CURB UNLESS OTHERWISE NOTED.

TREE REMOVAL

TREES TO BE REMOVED ARE SHOWN ON SITE INVENTORY PLAN (C-2.0). REFER TO C-2.0 FOR TREE REMOVAL AND MITIGATION CHART.

KEY NOTES:

- REFER TO DETAIL C-6.0 2 ASPHALT PAVING:
- REFER TO DETAIL C-6.0 STANDARD 24" CURB & GUTTER REFER TO DETAIL C-6.0
- NCDOT 1'-6" CURB & GUTTER REFER TO DETAIL C-6.0
- REFER TO DETAIL C-6.0
- REFER TO DETAIL C-6.0
- PROVIDE 4" WIDE PARKING LOT STRIPING AS SHOWN. USE HIGHWAY MARKING PAINT - WHITE
- (2 COATS).
- City streets, a \$325 permit shall be required from the City prior to occupancy **Approved Construction Plan** and/or project acceptance. NCDENR PWSS WATER PERMIT #: WATER CAPACITY DWQ SEWER PERMIT #: SEWER SHED # AND PLANT: SEWER TO FLOW THROUGH NEI: YES or NO (CIRCLE ONE)

GENERAL NOTES

- ALL DEVELOPMENT SHALL BE IN ACCORDANCE WITH THE CITY OF WILMINGTON LAND DEVELOPMENT CODE.
- PROJECT SHALL COMPLY WITH ALL FEDERAL, STATE, AND NEW HANOVER COUNTY REGULATIONS.

MATERIALS, OR VEHICLES ARE PERMITTED WITHIN THE TREE PROTECTION FENCING.

- PRIOR TO ANY CLEARING, GRADING, OR CONSTRUCTION ACTIVITY, TREE PROTECTION WILL BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES AND NO CONSTRUCTION WORKERS, TOOLS,
- ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND/OR NCDOT STANDARDS.
- ONCE STREETS ARE OPEN TO TRAFFIC. CONTACT TRAFFIC ENGINEERING TO REQUEST INSTALLATION OF TRAFFIC AND STREET NAME SIGNS. PROPOSED STREET NAMES MUST BE APPROVED PRIOR TO INSTALLATION OF STREET NAME SIGNS.
- 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.
- ANY BROKEN OR MISSING SIDEWALK PANELS WILL BE REPLACED.
- ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT OF WAY ARE TO BE MAINTAINED BY THE PROPERTY OWNER.
- 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. IN CERTAIN CASES, AN ENTIRE RESURFACING OF THE AREA BEING OPEN CUT MAY BE REQUIRED.
- INSTALL REFLECTORS PER CITY AND NCDOT STANDARDS.
- A LANDSCAPING PLAN INDICATING THE LOCATION OF REQUIRED STREET TREES SHALL BE SUBMITTED TO THE CITY OF WILMINGTON TRAFFIC ENGINEERING DIVISION AND RECREATION DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO THE RECORDING OF THE PLAT.
- CONTACT TRAFFIC ENGINEERING AT 341-7888 FORTY-EIGHT (48) HOURS PRIOR TO ANY EXCAVATION IN

-	THE RIGHT OF WAY.		7.11.1 27.07.17.1
	EXISTING ASPHALT THAT IS NOT DESIGNATED TO BE DI OVERLAY.	EMOLISHED SHALL BE MILLE	ED 1-INCH TO /
15. ⁻	TRAFFIC ENGINEERING MUST APPROVE OF PAVEMENT	MARKING LAYOUT PRIOR T	O ACTUAL STF
PLAI	NT SCHEDULE		
TREES	BOTANICAL NAME / COMMON NAME	CONT	QTY
8 m	ILEX X ATTENUATA `EAST PALATKA` / EAST PALATKA HOLLY	8° HT. MIN; MATCH EXISTING	10
·	QUERCUS VIRGINIANA `HIGH RISE` / HIGH RISE LIVE OAK	2" CAL., 8` HT. MIN.	7
SHRUBS	BOTANICAL NAME / COMMON NAME	CONT	QTY
**	ILEX CORNUTA `BURFORDII NANA` / DWARF BURFORD HOLLY	3` HT. AT INSTALL	32
0	ILEX CRENATA `HOOGENDORN` / HOOGENDORN HOLLY	3 GAL / 12" H. (MIN.)	61
1. A le s	OF WAIVERS Approval of waiver from the minimum tangent ength due to the constraints created by the ignal alignment and roundabout approach. Approval of waiver from the minimum horizontal curve radius due to the constraints created by	*/	R/REPLACE TU NEEDED; MATE EXISTING (TY

the necessary connection of the St. Mark PROPOSED 5' — CONCRETE SIDEWALK

PROPOSED PAVEMENT

STRIPING AS SHOWN

MARKINGS AND

Approval of waiver from the minimum median width due to the need to connect to the existing right-of-way, maintain the sidewalk and

multi-use path, and restrict left turns. Approval of waiver from the standard cross-section for a collector street due to variation required to connect to the new traffic

signal and the transition to the roundabout. EASTWOOD ROAD

STREETYARD - SEE STREETYARD INSET

EASTWOOD ROAD IMPROVEMENTS.

GRAPHIC SCALE

SCALE: 1"=40'

SIDEWALK AND CURB RAMPS -

AS PART OF THE PROPOSED

NCDOT EASTWOOD ROAD

IMPROVEMENTS.

PROPOSED CONCRETE MEDIAN. PROPOSED ROADWAY GEOMETRY TIE INTO PROPOSED NCDOT

9 REFER TO DETAIL C-6.0. 10 TACTILE WARNING MAT REFER TO DETAIL C-6.0

REFER TO STREET LIGHTING NOTES ON SHEET C-2.2

TREE PROTECTION FENCING: REFER TO DETAIL C-6.1

For each open utility cut of

Know what's below. Call before you dig

STREET LIGHTING NOTES

- THE STANDARD STREETLIGHT SHALL BE A DEP ENCLOSED CUTOFF (COBRA TYPE). HIGH PRESSURE SODIUM VAPOR (HPSV) OR DEP DESIGNATED LED EQUIVALENT FIXTURE INSTALLED WITHIN THE RECOMMENDED RANGE OF MOUNTING HEIGHTS FOR THE SPECIFIC FIXTURE. THE STANDARD STREETLIGHT SHALL BE INSTALLED ON A WOODEN POLE IN AREAS SERVED FROM OVERHEAD FACILITIES AND ON A FIBERGLASS POLE IN AREAS SERVED FROM UNDERGROUND FACILITIES.
- A LAYOUT FOR THE STANDARD STREET LIGHTING HAS BEEN PROVIDED WITH THE REVIEW. MINIMUM OF FIVE (5) STREET LIGHTS ARE REQUIRED FOR THIS SUB-DIVISION. ALTHOUGH, DEVELOPERS MAY CHOOSE TO PROVIDE ANY EXTRA LIGHTS OR ORNAMENTAL. ANY INSTALLATIONS ABOVE THE CRITERIA OF STANDARD STREET LIGHTING, WILL BE CONSIDERED AS NONSTANDARD AND HAS TO CONFORM TO THE CITY'S NON-STANDARD STREET LIGHTING PROCEDURE AS PER THE POLICY.
- DEVELOPERS SHALL BEAR ANY INSTALLATION COSTS ASSOCIATED WITH STREETLIGHTS, IF APPLICABLE. IN AREAS SERVED FROM UNDERGROUND FACILITIES, THE DEVELOPERS SHALL PAY THE ONE-TIME UNDERGROUND CONTRIBUTION CHARGE, IF APPLICABLE.
- THE PLANNING, DEVELOPMENT AND TRANSPORTATION DIRECTOR OR DESIGNEE AND THE CITY LANDSCAPE DESIGNER WILL COORDINATE PLAZA PLANTINGS AND STREETLIGHT LOCATIONS TO MINIMIZE THE OBSTRUCTION OF LIGHT BY VEGETATION.
- ALL STREET LIGHTS SHALL BE INSTALLED WITHIN THE PUBLIC ROW.

FLOOD NOTE

THE SUBJECT PARCEL IS NOT LOCATED WITHIN A 100-YEAR FLOOD ZONE AS INDICATED BY FEMA FLOOD ZONE PANEL 3720314700K BEARING AN EFFECTIVE DATE OF AUGUST 28, 2018.

WATER AND SEWER UTILITIES WILL BE PROVIDED BY CFPUA.

STREETYARD NOTES

PROPOSED STREET (SECONDARY STREETYARD): 25 NEW SPACES ARE PROVIDED; UDO SEC 18-510 REQUIRES FULL OR ¹/₂ STREETYARD

REQUIRED PLANTING IN STREETYARD (280 LF STREET FRONTAGE/ 100 LF x12 = 3360 / 2= 1680 / 600=2.8):

1 CANOPY (3 UNDERSTORY TREES = 1 CANOPY TREE) X 2.8 = 3 CANOPY TREES REQ'D

REQUIRED:

6 SHRUBS X 2.8 = 17 SHRUBS

EQUIVALENT OF 3 CANOPY TREES; 6 EXISTING UNDERSTORY TREES TO BE TRANSPLANTED TO

STREETYARD, 1 ADDITIONAL CANOPY TREE ADDED; 17 SHRUBS EXISTING EASTWOOD RD STREETYARD STREET: 18' WIDE UNDER POWERLINES; CONTAINS 16

UNDERSTORY TREES, 50 SHRUBS; (485 LF TO PROPOSED NEW STREET'S ROW x 12 = 10; 10x3 UNDERSTORY TREES = 30 TREES, 10 x 6 = 60 SHRUBS REQUIRED TOTAL)

TO COMPLY WITH CODE, 14 ADDITIONAL UNDERSTORY TREES AND 10 SHRUBS PROVIDED

TRANSPLANT EXISTING DAYLILIES FROM — EXISTING PARKING ISLANDS TO NEW ISLANDS; FILL AREAS BETWEEN TREE AND - PEDESTRIAN ACCESS

EXISTING FIRE

HYDRANT (TYP.)

TRANSPLANT 6 EXISTING —

REALIGNED MEDIAN TO THIS

CITY OF WILMINGTON

APRON. SEE DETAIL

EASTWOOD VILLAGE

SECTION 9R

M.B. 31/289

ON APPROACH (TYP.)

LARGER VEHICLE APRON

PROPOSED 18" NCDOT

PROPOSED C.O.W. 24" MEDIAN —

CIRCULATORY ROADWAY (TYP.)

VERTICAL CURB & GUTTER

CONCRETE

PROPOSED 10' -

MULTI-USE PATH

SIGHT DISTANCE ON —

RIGHT-OF-WAY (TYP.)

PROPOSED SIGNAGE TO DISPLAY:

WATER SOURCE

OWNER'S REPRESENTATIVE. OR AS APPROVED BY CITY OF WILMINGTON REPRESENTATIVES DURING TREE PROTECTION FROM THE OWNER'S SITE ACCEPTANCE IF IRRIGATION HAS NOT BEEN INSTALLED OR IS NOT OPERATIONAL. ALL

7. ALL SHRUB BEDS AND/OR PLANTING AREAS EXCLUDING SEEDED AREAS SHALL BE MULCHED WITH 3 INCH MINIMUM AND 15. CONTRACTOR SHALL PLANT STREET TREES AS CLOSE TO CITY REGULATIONS AS POSSIBLE; HOWEVER, SITE

PROPOSED ROAD -

CROSSWALK ON EXIT (TYP.)

"NOT A THROUGH STREET

SIGHT DISTANCE TO —

ORNAMENTAL GRASSES LESS THAN 30" IN HEIGHT

PROPOSED STAMPED COLOR

STOPPING SIGHT DISTANCE

CRAPE MYRTLES FROM

PROPOSED CONCRETE

D.B. 1635-1000

ZONING: R-10

LAND USE: RESIDENTIA

PROPOSED TREE

(TYP.)

PROTECTION FENCING

JOHN & ESTER

BERGMAN

D.B. 5282-2347

ZONING: R-10

LAND USE: RESIDENTIAL

- EXISTING 5'

CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION

4 INCH MAXIMUM DEPTH PINE STRAW MULCH UNLESS OTHERWISE NOTED

SOIL SETTLING OCCURS TO ASSURE SMOOTH. EVEN SURFACE

ALL PLANT MATERIAL SHALL MEET THE CURRENT VERSION OF THE AMERICAN ASSOCIATION OF NURSERYMEN'S

8 - PLANTING SOIL MIX: MIX EXISTING SOIL WITH THE SOIL AMENDMENTS AND FERTILIZERS IN THE QUANTITIES

REPRESENTATIVE FAILURE IN OBTAINING APPROVAL MAY RESULT IN LIABILITY TO THE CONTRACTOR

NO EXISTING TREES SHALL BE REMOVED WITHOUT WRITTEN AUTHORIZATION FROM THE LANDSCAPE ARCHITECT,

AGRICULTURE OR AS OTHERWISE APPROVED BY THE LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE.

10. THE CONTRACTOR SHALL REPLACE DEAD AND/OR UNHEALTHY PLANT MATERIAL WITHIN 12 MONTHS OF ACCEPTANCE

11. THE CONTRACTOR SHALL PREPARE ALL TURF AREAS TO HAVE A SMOOTH, EVEN TURF COVERAGE AND SURFACE THAT IS FREE OF DIVOTS, HOLES, AND DEBRIS WITH NO BARE SPOTS. ROLL ALL SOD AREAS IN DRY CONDITIONS AND AFTER 19.

12. CONTRACTOR SHALL REVIEW WITH AND INSTALL IRRIGATION AS REQUIRED BY OWNER. IF A SYSTEM IS NEEDED, A 2

ANY AND ALL SUBSTITUTIONS OF PLANT MATERIAL SHALL BE APPROVED BY LANDSCAPE ARCHITECT OR OWNER'S

CONCRETE SIDEWALK

BY OTHERS

TREES SHALL BE LOCATED A MINIMUM OF 5 FEET FROM SEWER/WATER CONNECTIONS OR AS OTHERWISE DICTATED BY

LOCAL REGULATIONS. CONTRACTOR SHALL BE LIABLE FOR DAMAGE TO ANY AND ALL PUBLIC OR PRIVATE UTILITIES. B — STAKE ALL TREES AS SHOWN IN DETAIL OR AS OTHERWISE DIRECTED BY OWNER OR OWNER'S REPRESENTATIVE

PROPOSED C.O.W. / NCDOT

ROADWAY IMPROVEMENTS

MEDIAN, WIDTH VARIES ...

MILDRED LACKE' COMMERCIAL DRIVEWAY

FROM NEW SIDEWALK BACK OF CURB (TYP.)

1011 EASTWOOD ROAD - SRB CONDITIONS The use and development of the subject property shall comply with all

conditions stated below.

CITY OF WILMINGTON

SIGHT DISTANCE TO -

CROSSWALK ON EXIT

20'x70' SIGHT TRIANGLE

R.O.W. VARIES

WIRE AUTOMATED IRRIGATION SYSTEM SHALL BE DESIGNED AND INSTALLED BY A LICENSED IRRIGATION CONTRACTOR

SURE THEY CAN HANDLE THE NEW PROJECT. IF NOT, THE CONTRACTOR SHALL COORDINATE WITH OWNER TO SECURE

IN THE STATE OF NORTH CAROLINA. THE CONTRACTOR SHALL USE WELL WATER AND ASSESS CURRENT WELLS TO BE

13. ALL IRRIGATION NEAR WALKS AND BUILDINGS SHOULD MINIMIZE OVERSPRAY OF WATER TO THE GREATEST EXTENT

14. THE CONTRACTOR IS RESPONSIBLE FOR HAND WATERING THE INSTALLED PLANT MATERIAL FOR A PERIOD OF 1 YEAR

CONDITIONS INCLUDING THE LOCATIONS OF DRIVEWAYS, SIGNS, ETC, MAY REQUIRE ADJUSTMENT FROM PROPOSED

16. ALL LANDSCAPE PLANTINGS WILL BE COMPLIANT WITH ARTICLE 8 OF THE CITY OF WILMINGTON LDC. IF OWNER

17. ALL PROPOSED VEGETATION WITHIN SIGHT DISTANCE TRIANGLES SHALL NOT INTERFERE WITH CLEAR VISUAL SIGHT

PROJECT IS COMPLETE. SECURING ANY MATERIALS LEFT ON SITE DURING THE COURSE OF THE PROJECT IS THE

LINES FROM 30" - 10' IN ACCORDANCE WITH SECTION 18-556 OF THE CITY OF WILMINGTON LAND DEVELOPMENT CODE

SIGHT DISTANCE TRIANGLE WAS MAINTAINED AND PLANTINGS WERE ADJUSTED TO ALLOW FOR PROPER SIGHT LINES.

CONTRACTOR IS RESPONSIBLE FOR REMOVING TRASH. DEBRIS AND EXCESS MATERIALS FROM THE JOB SITE ONCE THE

- regulations and requirements imposed by the Land Development Code, City of Wilmington Technical Standards and Specifications Manual, and any other applicable federal, state, or local law, ordinance or regulation, as well as nay condition stated below. In the event of a conflict, the more stringent requirement or higher standard shall apply.
- Approval of this preliminary plan does not constitute technical approval of a site plan. Final approval by the Technical Review Committee and the issuance of all required permits must occur prior to release of the project for construction.
- 3. If, for any reason, any condition for approval is found to be illegal or invalid or if the applicant should fail to accept any condition following approval, the approval of the preliminary plan shall be null and void.

1011 EASTWOOD ROAD - SPECIAL USE PERMIT CONDITIONS The property shall be subject to all of the specific requirements stated in the Land Development Code for the proposed use as well as any additional

- The use and development of the subject property shall comply with other supplemental regulations and requirements imposed by the Land Development Code or any other applicable federal, state or local law, ordinance or regulation. In the event of a conflict, the more stringent requirement or higher standard shall apply.
- If, for any reason, any condition for approval is found to be illegal or invalid or if the applicant should fail to accept any condition following approval, the approval of the site plan for the district shall be null and void and no effect and proceedings shall be instituted to rezone the property to its previous 11. zoning classification.
- The use and development of the property shall be in accordance with the plan and elevations as submitted and approved.
- Approval of this special use permit does not constitute technical approval of the site plan. All Technical Review Committee comments shall be followed prior to issuance of a construction release or final zoning

APPROACH (TYP.)

PROPOSED SIGNAGE TO

4. The use and development of the property shall be in accordance with

A multi-use path shall be provided along the southeastern side of the

A sign shall be provided at the end of the stub road indicating a future

Traffic control devices must be installed to keep drivers in roundabout.

A sign indicating road is not a through street until such time that the

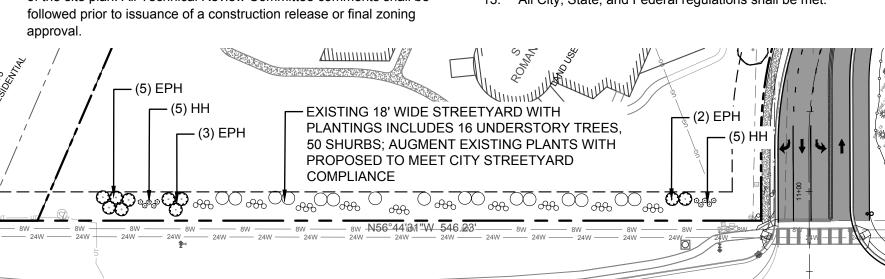
the preliminary plan as submitted and approved.

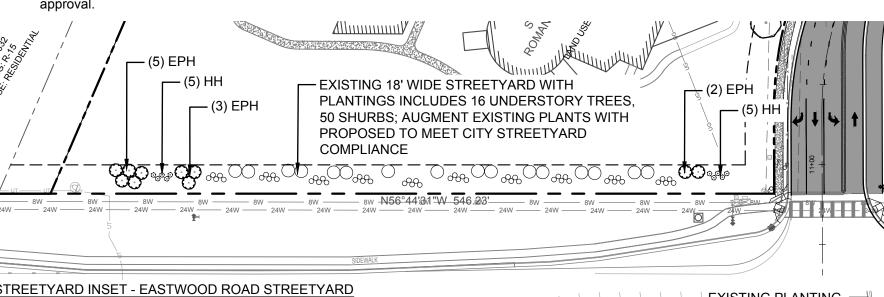
All City, State, and Federal regulations shall be met.

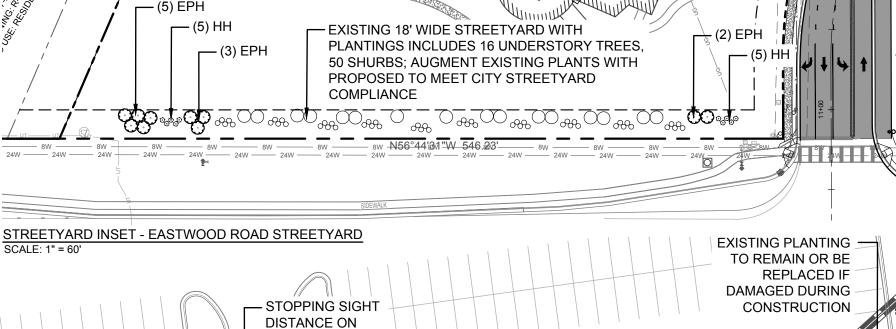
road is extended into Mayfaire.

special use permit conditions.

- No more than 440 parking spaces shall be permitted on the site. A minimum of 59pervious parking spaces shall be maintained on the site The Barrington Road connection shall remain open subject to all previous
- 9. All applicable previous Subdivision Review Board conditions and conditions of the previously issued Special Use Permits and previous modifications shall still apply.
- 10. A 25-foot wide shared bufferyard shall be located along the souther property boundary with a portion to be located on the St. Mark site and a portion to be located on the adjacent site (Mayfaire II) within a landscape
- Freestanding signage shall be limited to monument style with a maximum of 6-foot height and landscaping shall be installed along the base of the
- 12. The creative standard shall not be used to satisfy streetyard landscaping requirements
- 13. All City, State, and Federal regulations shall be met.







PROPERTY LINE UNCHANGED & TO COUNT FOR BUFFERYARD

EXISTING VEGETATION TO REMAIN UNTIL NEIGHBOR INSTALLS SHARED **BUFFERYARD PER CHURCH/DEVELOPER**

- PROPOSED CROSSWALK og, OM - SIGHT DISTANCE TO INSTALL TOP OF PLANT BALL 2" ABOVE ADJACENT GRADE **CROSSWALK ON EXIT** 3. TAMP PLANT SOIL MIX FIRMLY IN 8" LIFTS AROUND PLANT BALL ン WATERMAIN [®] LAND USE: VACANT - PROPOSED CROSSWALK 6 PROPOSED DISTANCE **APPROACH**

SHRUB INSTALLATION DETAIL

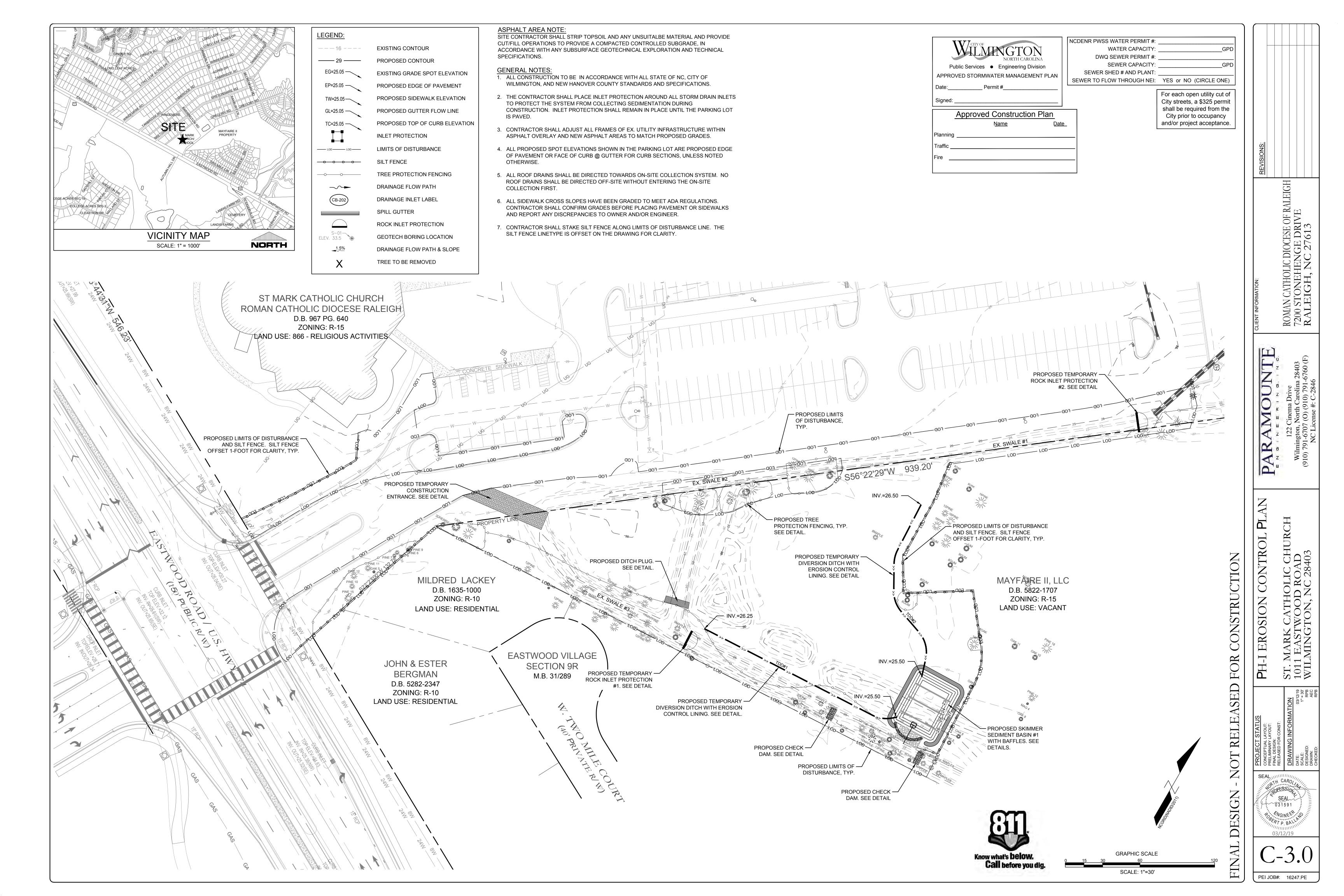
"FUTURE ROAD CONNECTION"

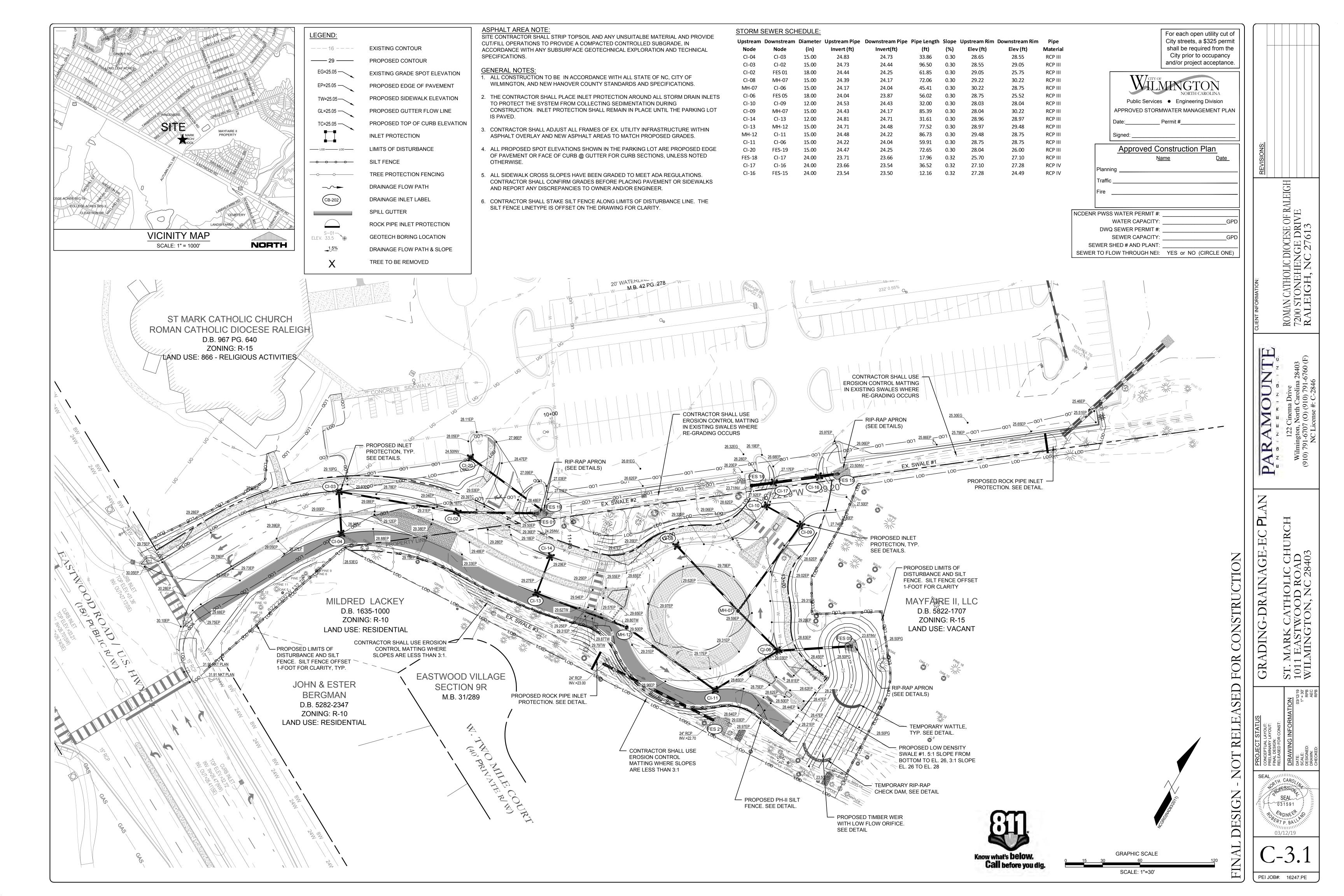
3/8" HOLE CENTERED. DRIVE STAKE IN LINE WITH STRAP REMOVE TOP 1/3 BURLAP AND ANY REMOVE TOP 2/3 OF WIRE BASK

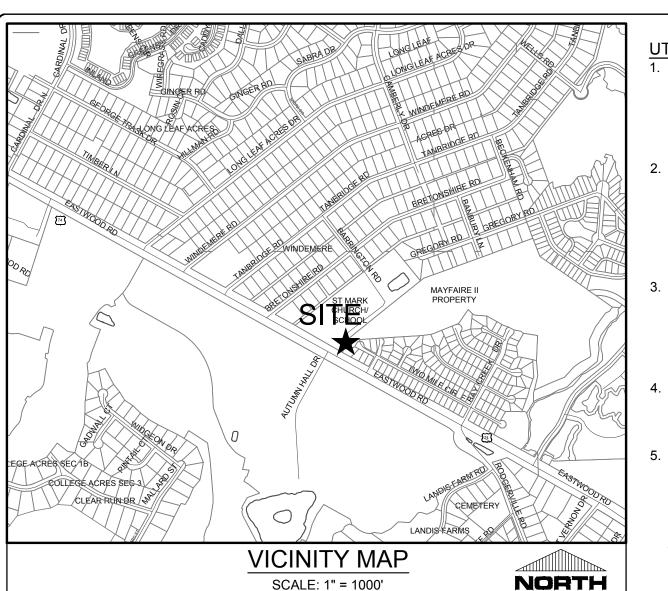
MULCH: 3" MIN., 4" MAX, DEPTH

03/12/19

031591 ·.. < NGINEES PATP BALL







SITE DATA TABULATION LAND OWNERS:

1) MAYFAIRE II LLC 530 S.E. GREENVILLE BLVD, STE 200 GREENVILLE, NC 27858

2) ROMAN CATHOLIC DIOCESE OF RALEIGH 7200 STONEHENGE DRIVE RALEIGH, NC 27613

PROJECT ADDRESS: 1011 EASTWOOD ROAD

WILMINGTON, NC 28403 1) R05000-003-012-000 2) R05000-003-006-001

RECORDED DEED BOOK: 1) BK 5843, PG 1291 2) BK 967, PG 640

> 1) 39.49 ACRES (1,720,180 SF) 2) 12.28 ACRES (534,917 SF)

> > ROADWAY & CHURCH

CURRENT ZONING: R-15 (BOTH PARCELS) WATERSHED RESOURCE PROTECTION CAMA LAND USE CLASSIFICATION: EXISTING LAND USE: ROADWAY & CHURCH

UTILITY INFORMATION

PROPOSED LAND USE:

TOTAL SITE AREA:

TAX PARCEL IDENTIFICATION #:

CONTRACTOR SHALL INSTALL WATER MAIN IN ACCORDANCE WITH CFPUA STANDARD DETAILS AND SPECIFICATIONS.

WATER

THIS PROJECT WILL CONNECT TO EXISTING 8" WATER MAIN LOCATED ON ST. MARK'S CATHOLIC CHURCH PROPERTY. THIS PROJECT IS CONSTRUCTING AN 8-INCH AND 12-INCH WATER MAIN FOR FUTURE SERVICE TO THE ADJACENT PROPERTY. DOMESTIC WATER ALLOCATION PROVIDED BY CFPUA.

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

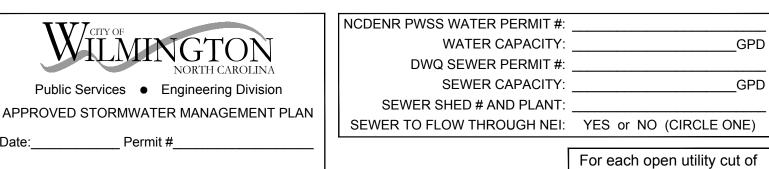
WATER MAINS SHALL BE LAID SO AS TO PROVIDE A MINIMUM HORIZONTAL SEPARATION OF 10 FEET FROM SEWERS. IF CONDITIONS EXIST SUCH THAT THIS SEPARATION CANNOT BE ACHIEVED. THE WATER MAIN CAN BE INSTALLED AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER, EITHER IN A SEPARATE TRENCH, OR IN THE SAME TRENCH ON A BENCH 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.
- 4. 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 RC PIPE.
- 5. WHERE VERTICAL CLEARANCE IS LESS THAT 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 RC PIPE.

FIRE & LIFE SAFETY NOTES:

1. NEW HYDRANTS MUST BE AVAILABLE FOR USE PRIOR TO CONSTRUCTION OF THE BUILDINGS WITHIN ANY DEVELOPMENT.

- 2. HYDRANTS MUST BE LOCATED WITHIN 8' OF THE CURB.
- 3. CONTRACTOR SHALL MAINTAIN AN ALL WEATHER ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING CONSTRUCTION. THIS CAN BE SATISFIED BY INSTALLING THE BASE COURSE OF THE PROPOSED PAVEMENT SECTION.
- 4. A MINIMUM OF 5' SHALL SEPARATE UNDERGROUND FIRE LINES OR PRIVATE WATER MAINS FROM OTHER UNDERGROUND UTILITIES.
- 5. UNDERGROUND FIRE LINE & PRIVATE WATER MAINS MUST BE PERMITTED & INSPECTED BY CITY OF WILMINGTON FIRE & LIFE SAFETY SERVICES FROM THE PUBLIC RIGHT-OF-WAY TO THE BUILDING.
- 6. CONSTRUCTION TYPE IIB CAR DEALERSHIP, BUILDING WILL BE SPRINKLED.
- 7. ANY FDC MUST BE WITHIN 150' OF A FIRE HYDRANT & WITHIN 40' OF FIRE APPARATUS PLACEMENT.
- 8. LANDSCAPING OR PARKING CAN NOT BLOCK OR IMPEDE THE FDC OR FIRE HYDRANTS. A 3-FOOT (3') CLEAR SPACE SHALL BE MAINTAINED AROUND THE CIRCUMFERENCE OF HYDRANTS AND FDC.

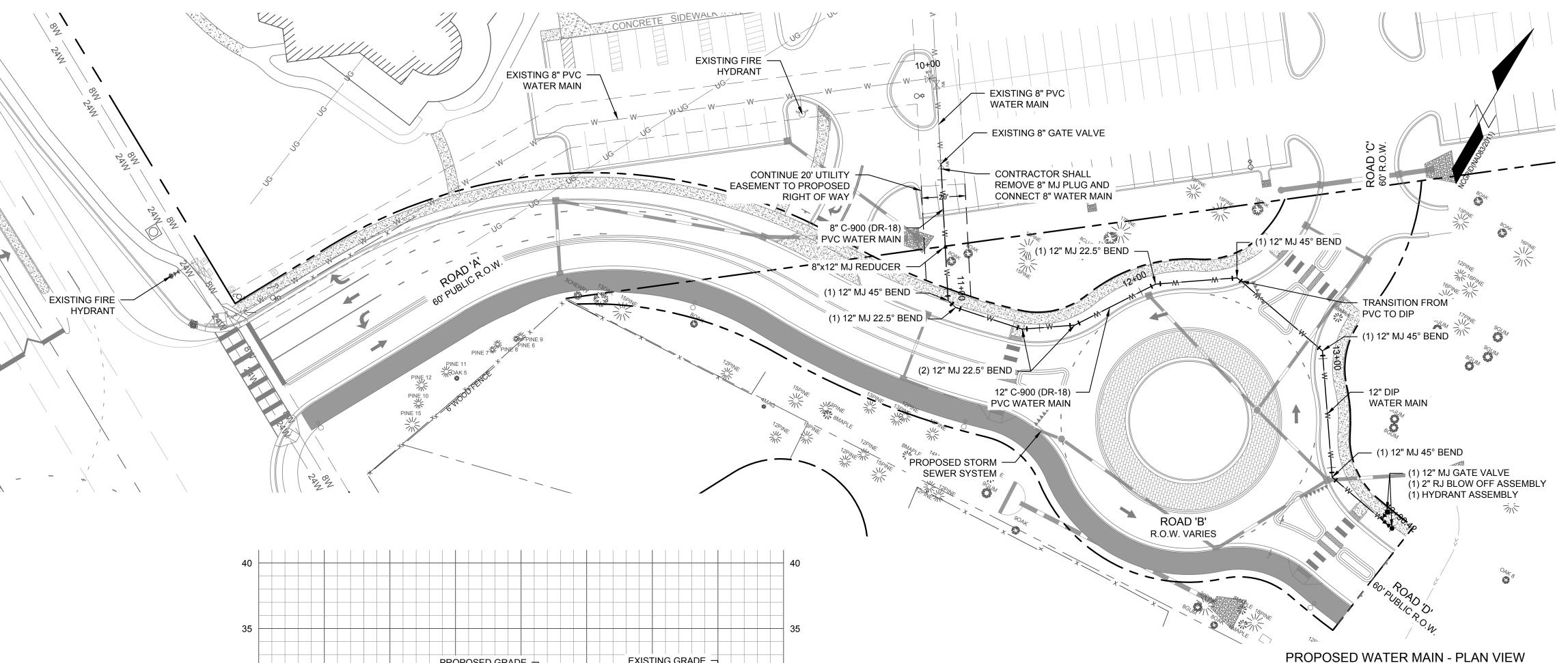


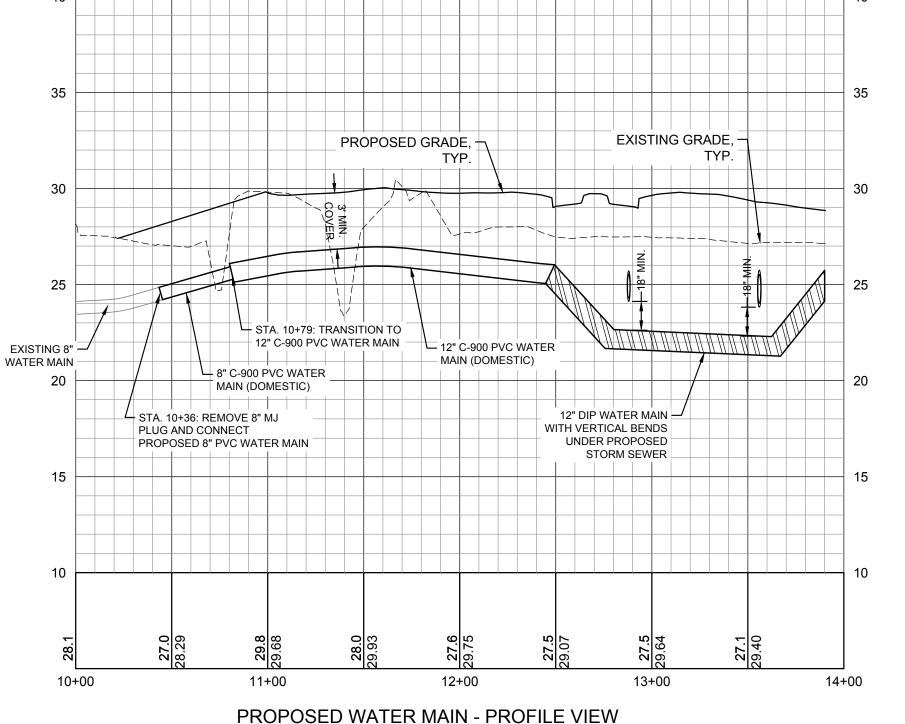
City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

SUITE

BLVD., 858

Approved Construction Plan

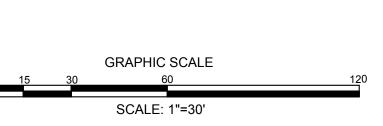




PROPOSED WATER MAIN - PROFILE VIEW HORIZONTAL SCALE: 1"=50" VERTICAL SCALE: 1"=5"

GRAPHIC SCALE SCALE: 1"=50'

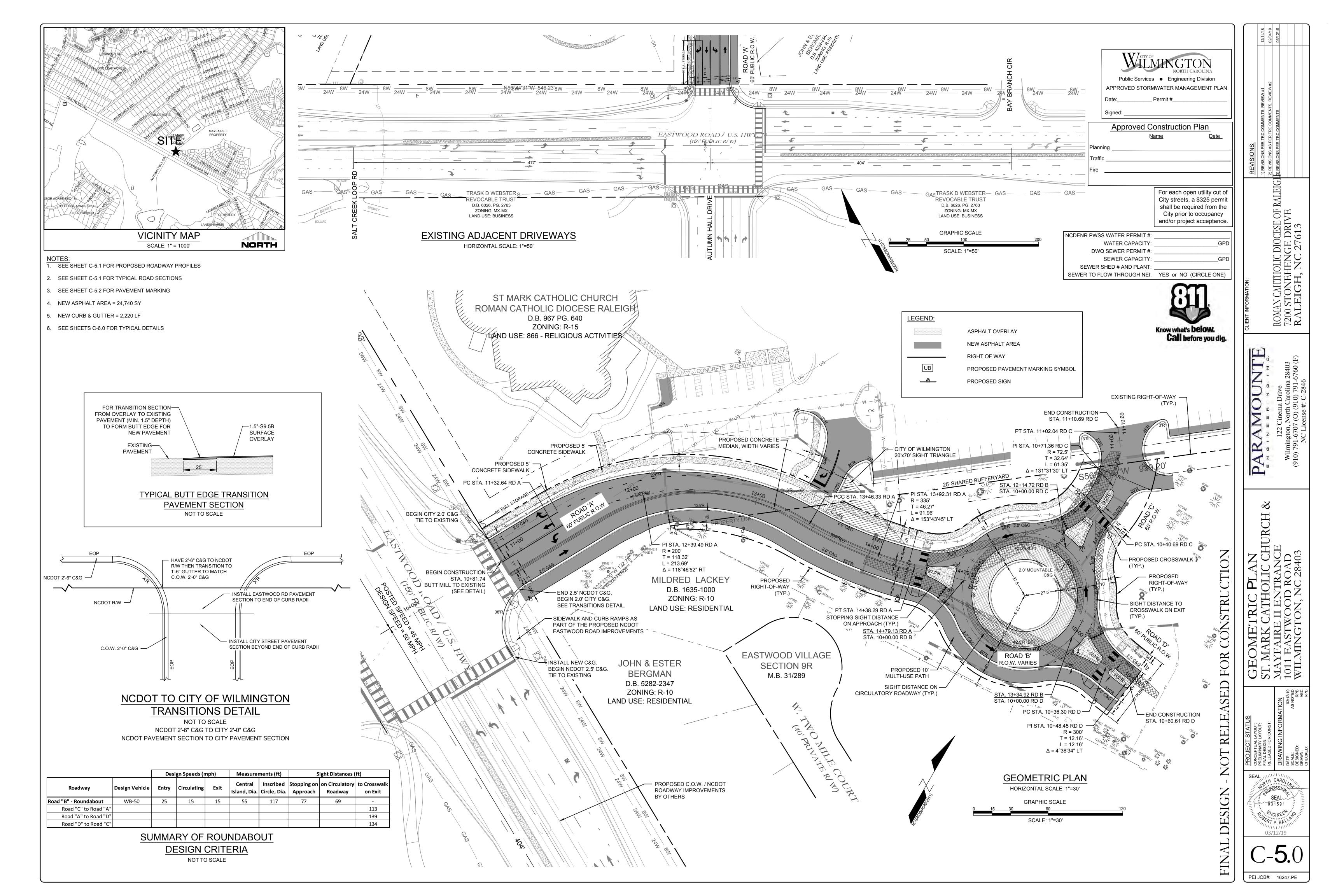


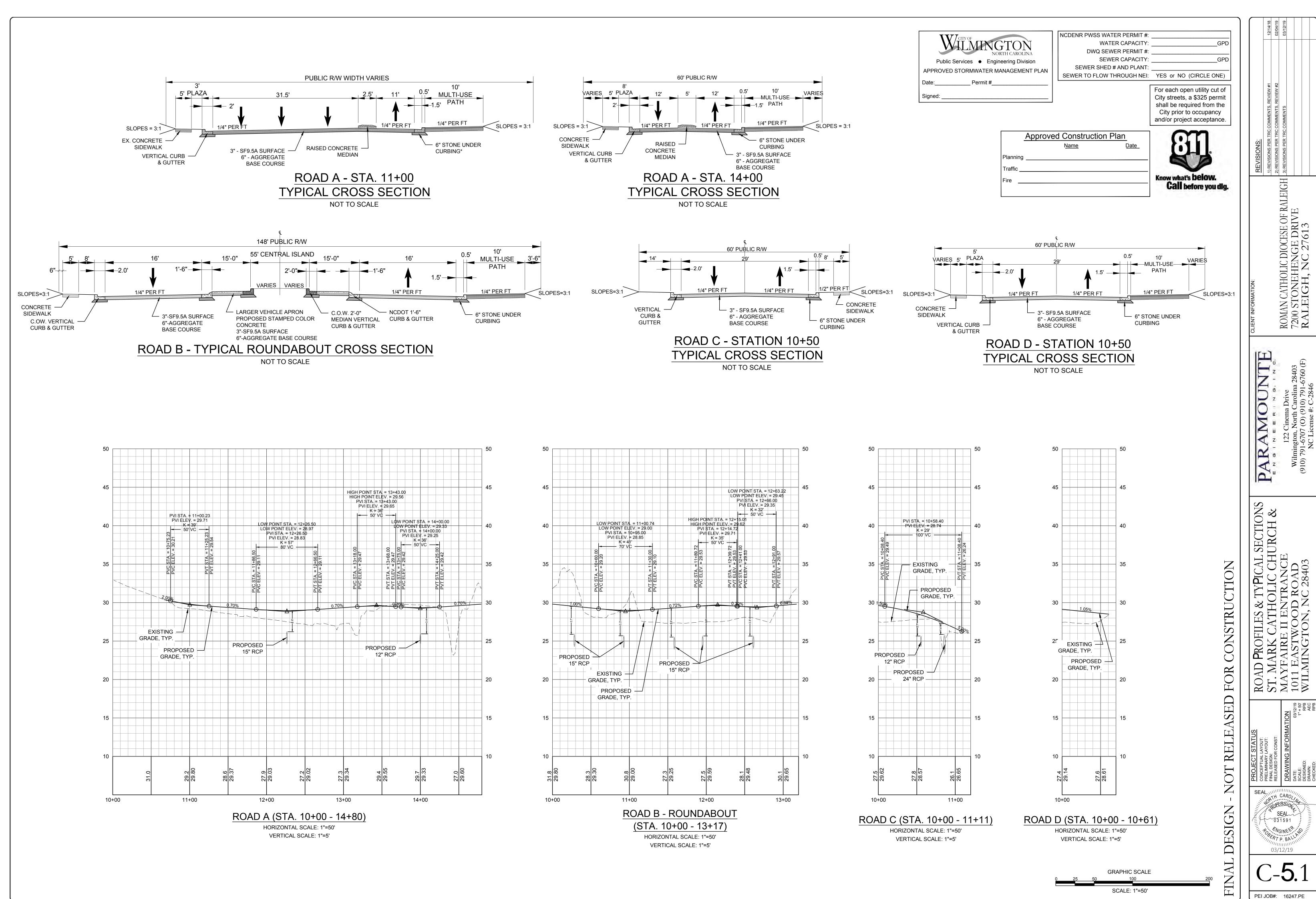


HORIZONTAL SCALE: 1"=30'

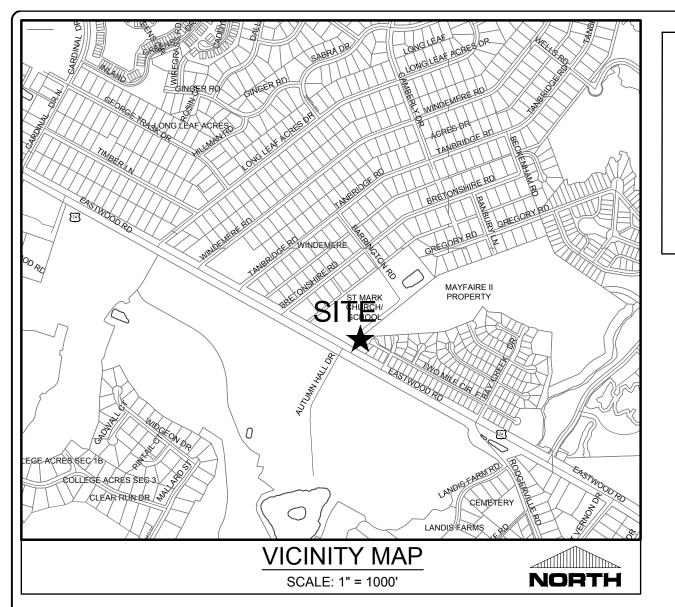
SED

OFILE URCH &





ROMAN CATHOLIC DIOCESE OF RALEIGH 7200 STONEHENGE DRIVE RALEIGH, NC 27613



<u>LEGEND:</u>	
	ASPHALT OVERLAY
	NEW ASPHALT AREA
	RIGHT OF WAY
UB	PROPOSED PAVEMENT MARKING SYMBOL
	PROPOSED SIGN

	PAVEMENT MARKING SCHE	DULE
SYMBOL	MEASUREMEN	
THERMOR	PLASTIC, 4", 120 MIL	
T17	2 FT 4.FT/SP WHITE MINISKIP	48 LF
TD	3 FT 9 FT./SP WHITE MINISKIP	66 LF
TE	WHITE SOLID LANE LINE	181 LF
	TOTAL	295 LF
THERMOR	PLASTIC, 24", 120 MIL	
T2	WHITE STOPBAR	11 LF
Т3	WHITE CROSSWALK LINE	72 LF
	TOTAL	83 LF
THERMOR	PLASTIC SYMBOLS, 90 MIL	
UA	LEFT TURN ARROW	1 EA
UB	RIGHT TURN ARROW	2 EA
UC	STRAIGHT ARROW	5 EA
UM	12" YIELD LINE TRIANGLE	18 EA
	TOTAL	26 EA

NO.	TES	<u>s:</u>
4	A I I	

1. ALL PAVEMENT MARKINGS WITHIN NCDOT RIGH-FO-WAY SHALL BE TO NCDOT STANDARDS. ALL PAVEMENT MARKINGS WITHIN THE CITY OF WILMINGTON RIGHT-OF-WAY SHALL BE TO THE CITY OF WILMINGTON

- 2. REMOVE CONFLICTING EXISTING PAVEMENT MARKINGS WITHIN THE CONSTRUCTION AREA.
- 3. ERADICATE EXISTING PAVEMENT MARKINGS WHEN IN CONFLICT WITH MARKING PLANS WITHIN PROJECT LIMITS.
- 4. CONSULT WITH CITY OF WILMINGTON FOR SIGN TYPE FOR MULTI-USE
- 5. REMOVE PAVEMENT MARKERS FROM ALL ROADS IN CONSTRUCTION AREA AND REPLACE TO CORRESPOND TO FINAL PAVEMENT MARKINGS. ALL PAVEMENT MARKERS ON EASTWOOD ROAD SHALL BE SNOWPLOWABLE (SEE NCDOT STD. DWG. 1253.01)

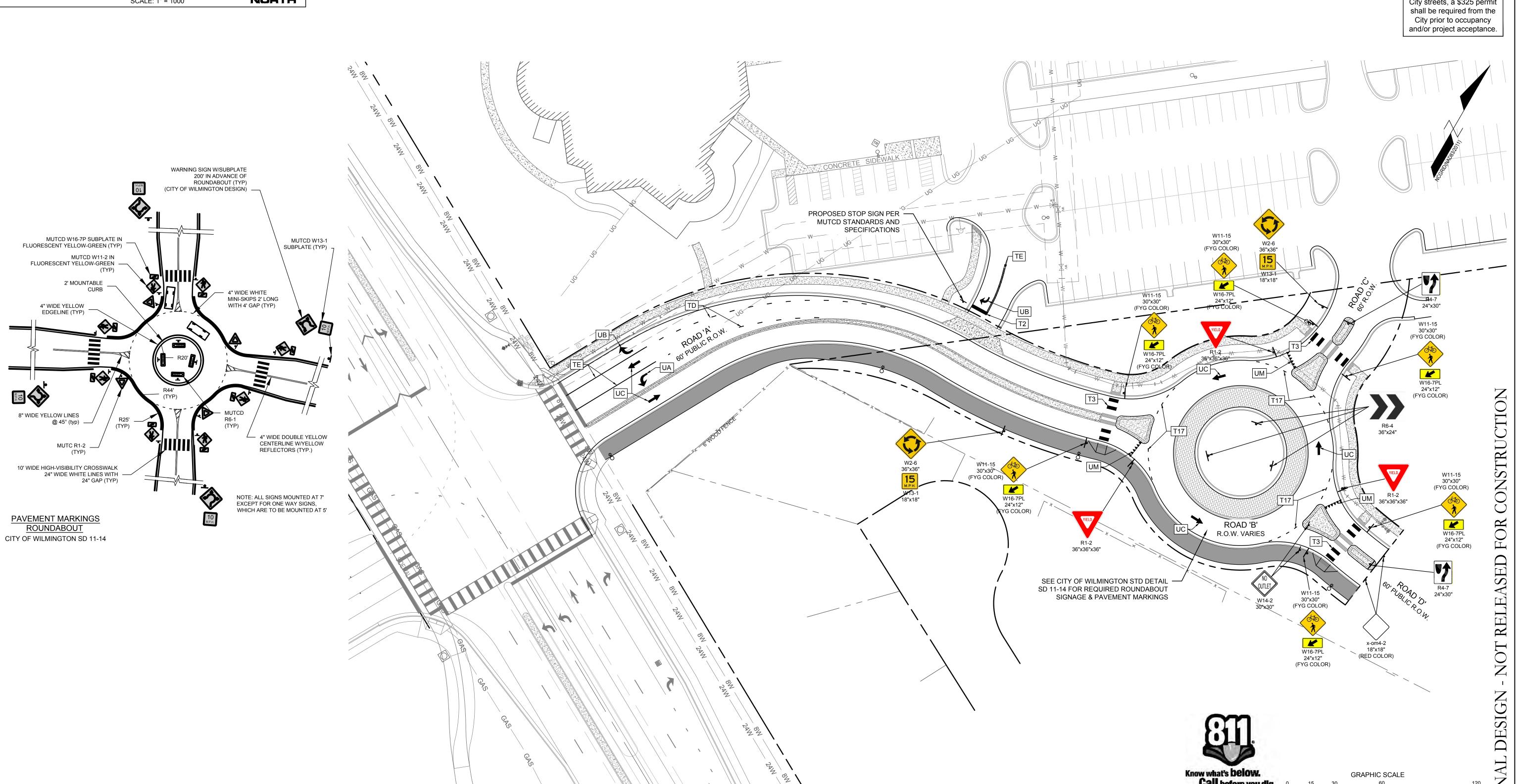
	NCDENR PWSS WATER PERMIT #:
GP	WATER CAPACITY:
	DWQ SEWER PERMIT #:
GP	SEWER CAPACITY:
	SEWER SHED # AND PLANT:
YES or NO (CIRCLE ONE)	SEWER TO FLOW THROUGH NEI:

Public Services

Engineering Division APPROVED STORMWATER MANAGEMENT PLAN

Approved Construction Plan

For each open utility cut of City streets, a \$325 permit

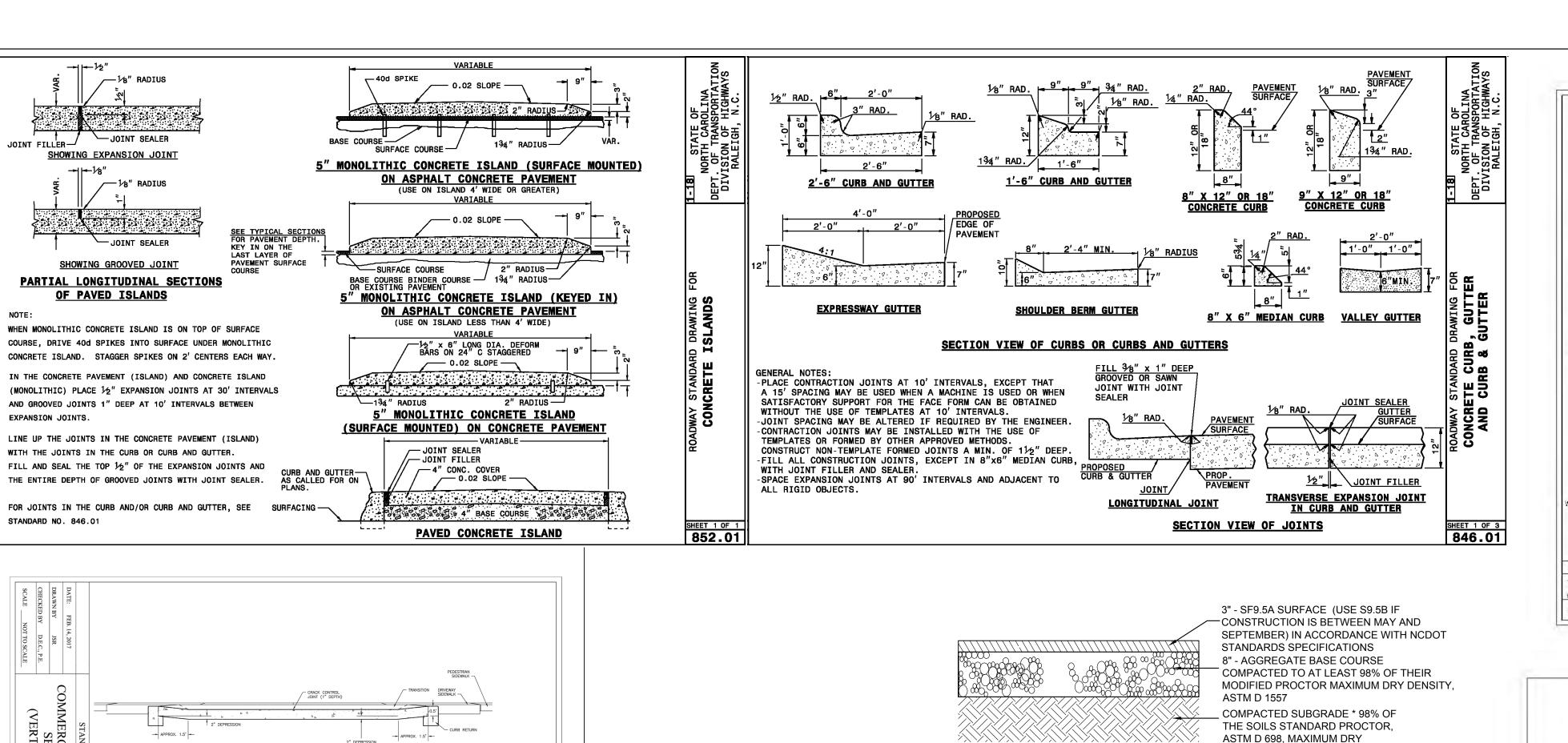


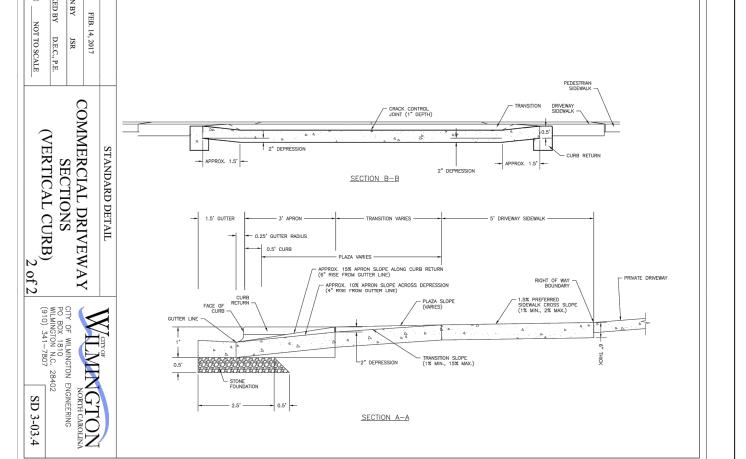
CATHOLIC DIOCESE OF RALEIGH TONEHENGE DRIVE JGH, NC 27613

PO POGINEEY P. BALL

PEI JOB#: 16247.PE

SCALE: 1"=30'





BACK OF CURB -//

FACE OF CURB-//

GUTTER LINE -

SEE INSET

1.5' GUTTER

BACK OF CURE FACE OF CURB

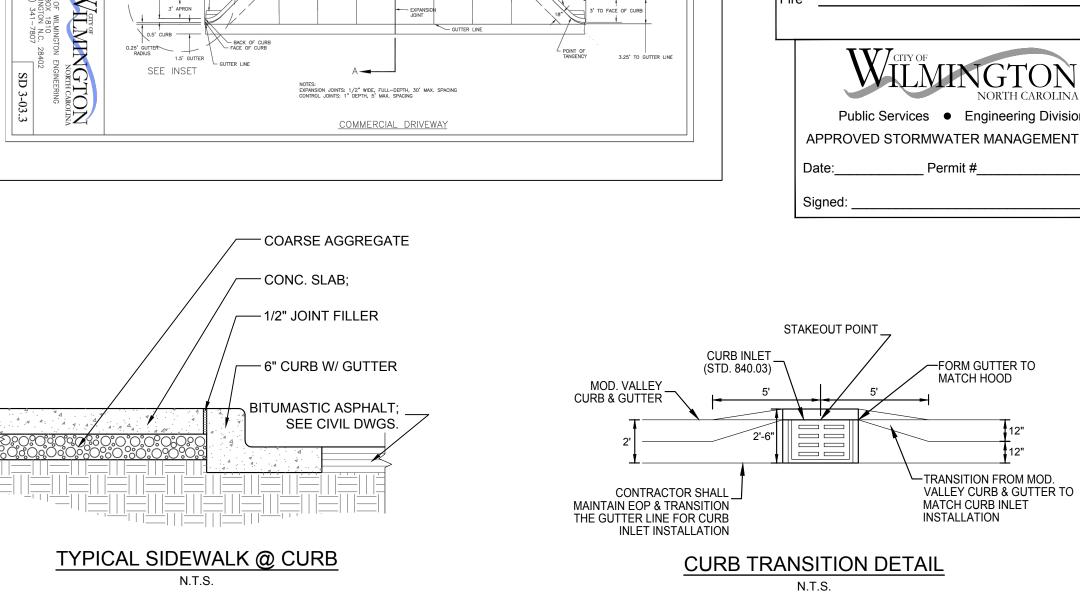
PRIVATE DRIVEWAY

EXPANSION JOINTS: 1/2" WIDE, FULL-DEPTH, 30' MAX. SPACING CONTROL JOINTS: 1" DEPTH, 5' MAX. SPACING

COMMERCIAL DRIVEWAY

MMERCIAL DRI PLAN (VERTICAL CU

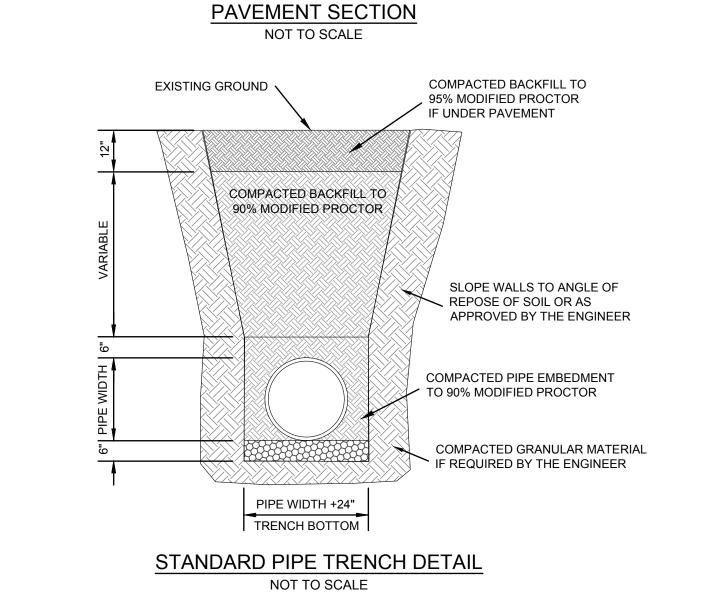




EDGE OF 3' MINIMUM EXTE

3' TO FACE OF CURB

3.25' TO GUTTER LINE



DENSITY TO 8" DEPTH

CONCRETE

<u>6" CO</u>NCRETE

COMPACTED SUBGRADE TO

95% STANDARD PROCTOR

TYPICAL PAVEMENT SECTION

ASPHALT TO CONCRETE PAVEMENT TRANSITION

– #5 BAR CONTINUOUS (TYP)

— 6X6-2.9X2.9 WWM AT MIDSLAB

COMPACTED SUBGRADE

COMPACTED SUBGRADE

LIGHT-DUTY CONCRETE

REPORT

6" THK. PORTLAND CEMENT CONCRETE 5000 PSI

MIN. OR AS SPECIFIED IN THE GEOTECH REPORT

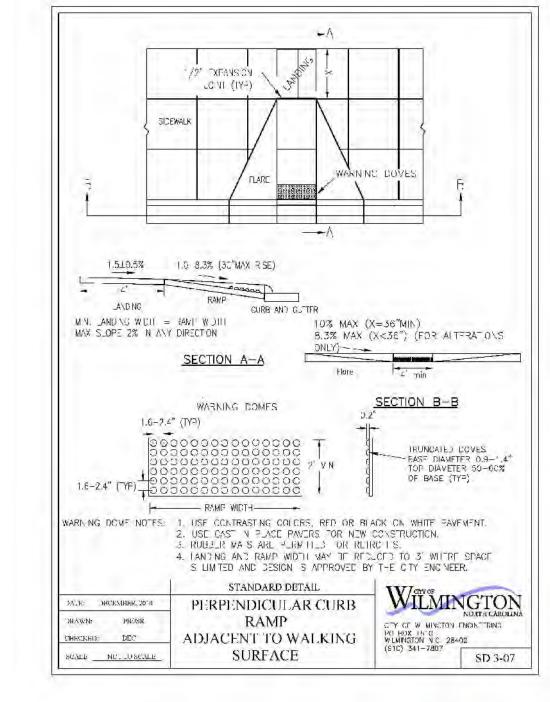
AS SPECIFIED IN THE GEOTECH REPORT

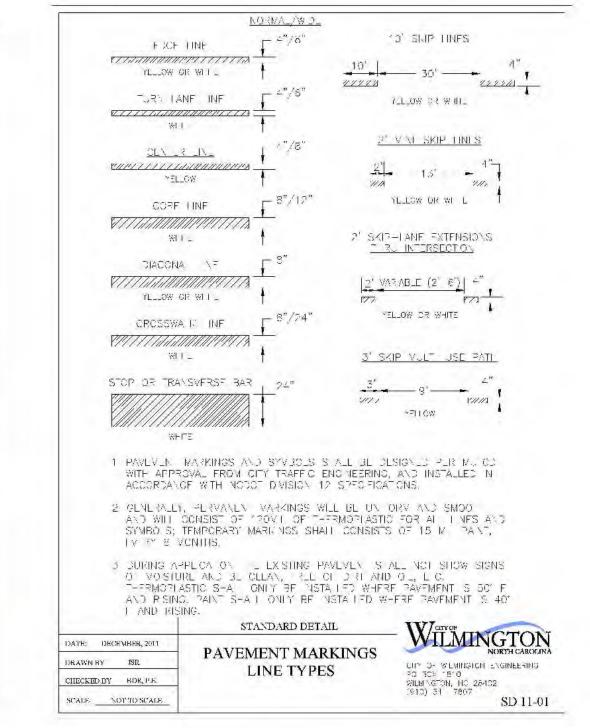
IN ACCORDANCE WITH GEOTECHNICAL

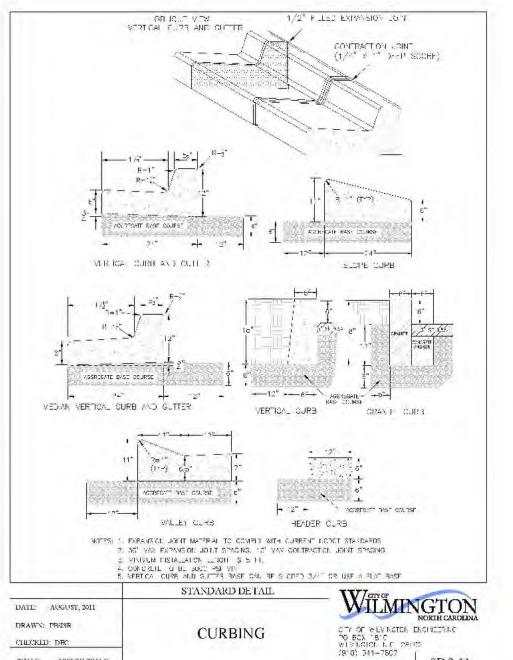
4" THK. MIN. CRUSHED STONE BASE OR

ASPHALT -

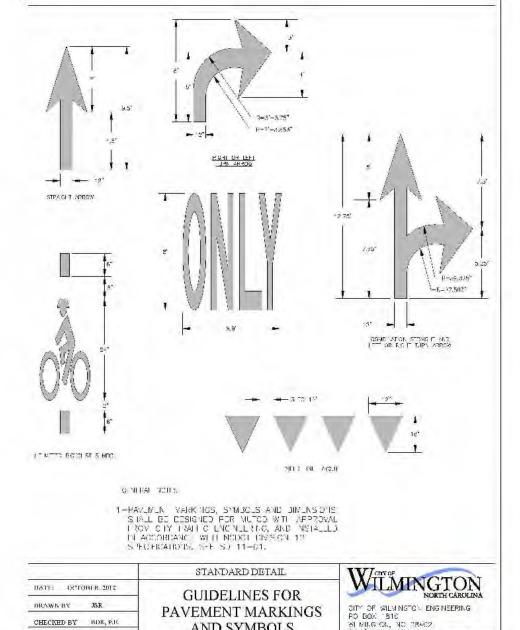
GPD

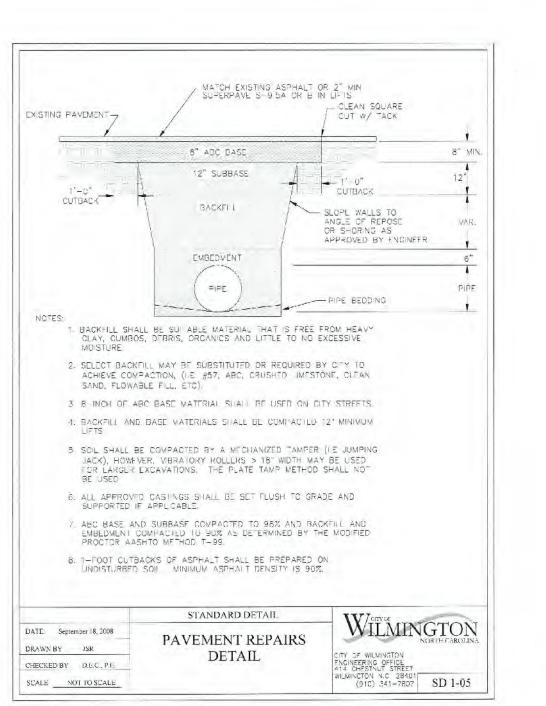


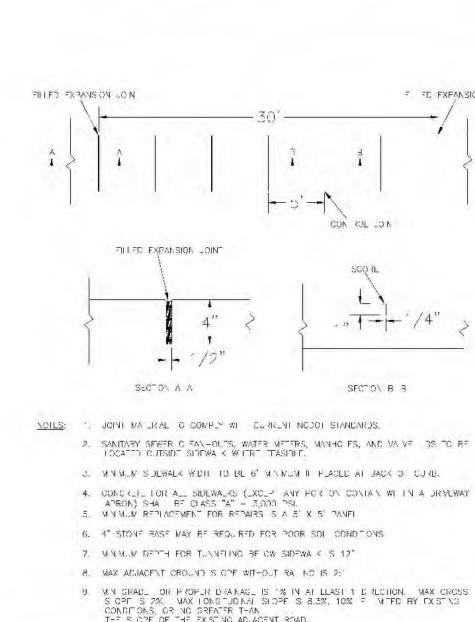




SCALE NOT TO SCALE







SIDEWALK

SCALE NOT TO SCALE

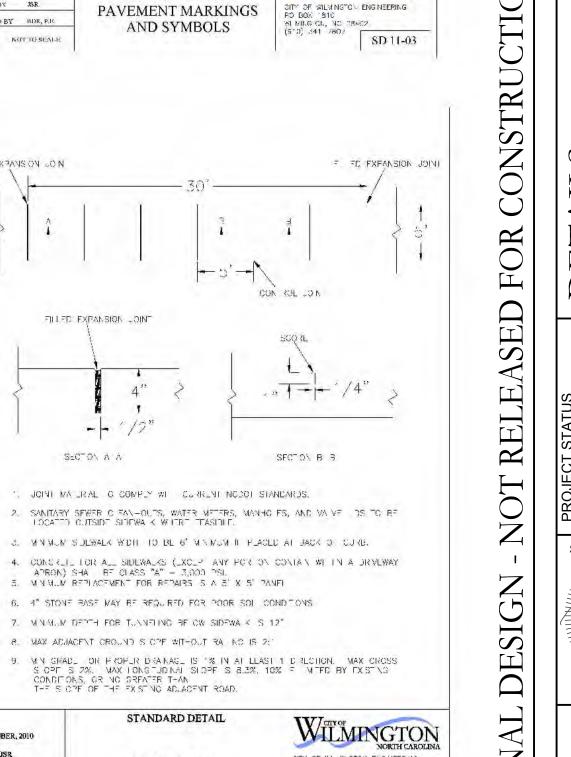
DATE: OCTOBER, 2010

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DRAWN: PB/JSR

CHECKED: DEC

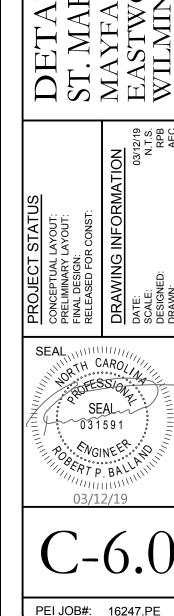
SD 3-11



DITY OF WILVINGTON ENGINEERING

SD 3-10

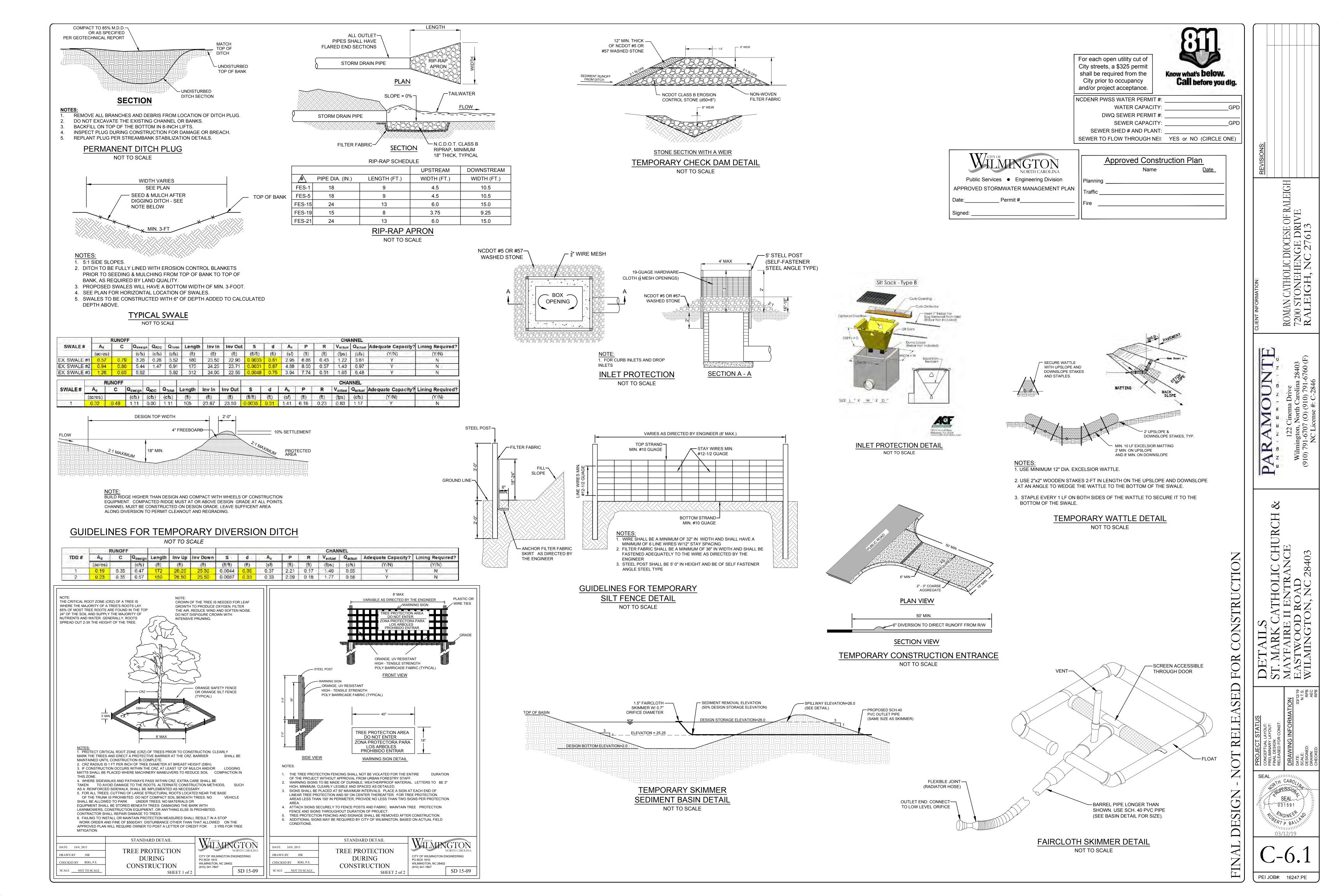
10 30X 1810 WENNGTON N.C. 28402 (910) 341 7807

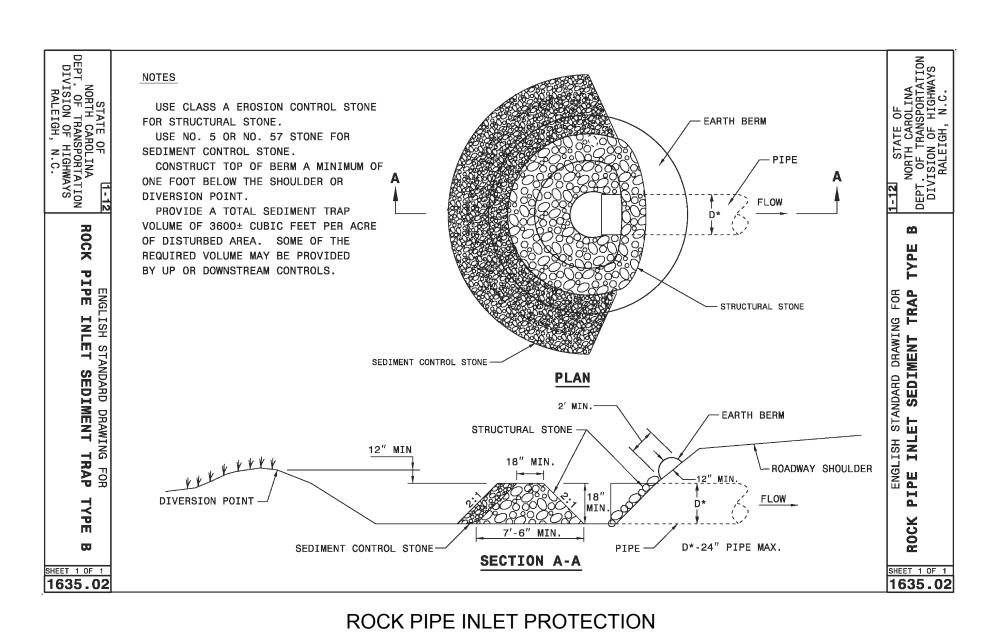


8

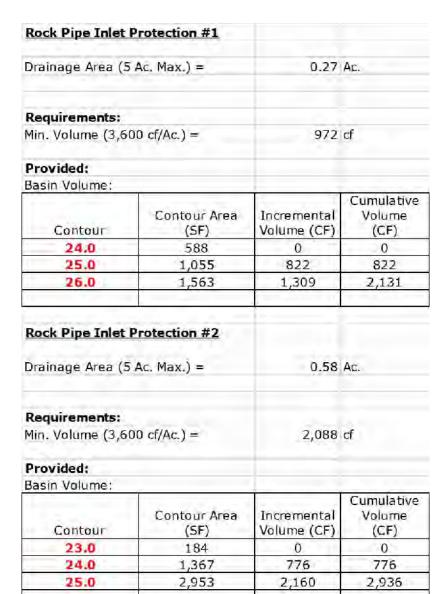
ROMAN CATHOLIC DIOCESE OF RALEIGH 7200 STONEHENGE DRIVE RALEIGH, NC 27613

2840. 6760





NOT TO SCALE



CONSTRUCTION SPECIFICATION

- Grade the basin so that the bottom is level front to back and side to side.
- Install posts or saw horses across the width of the sediment trap (Practice 6.62, Sediment Fence).
 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.

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.When using posts, add a support wire or rope across the top of the measure to prevent
- sagging.

 6. Wrap jute, backed by coir material, over a sawhorse or the top wire. Hammer rebar into the sawhorse legs for anchoring. The fabric should have five to ten percent openings in the weave. Attach fabric to a rope and a support structure with zip ties, wire or staples.

7. The bottom and sides of the fabric should be anchored in a trench or pinned with 8-inch

erosion control matting staples.

8. Do not splice the fabric, but use a continuous piece across the basin.

MAINTENANCE

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

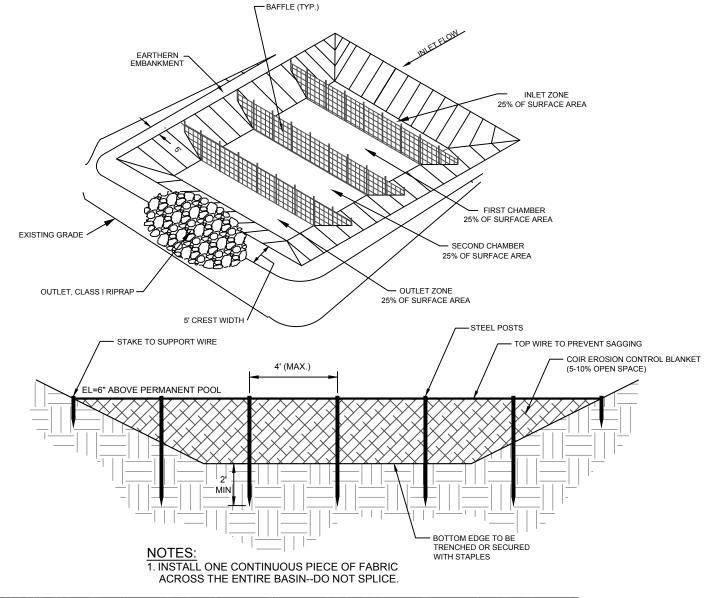
Be sure to maintain access to the baffles. Should the fabric of a baffle collapse, tear, decompose, or become ineffective, replace it promptly.

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

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

NOTE:

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

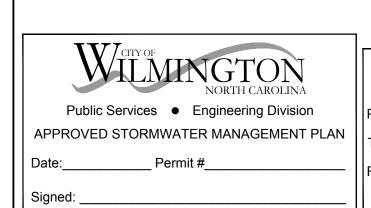


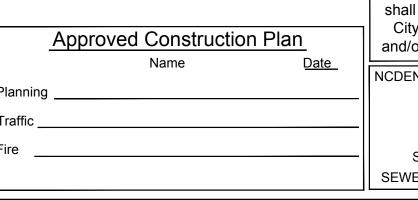
Surface Area	Length	Inlet Area	Chamber 1	Chamber 2	Outlet	Baffle #1	Baffle #2	Baffle #3
(sf)	(ft)	(sf)	Area (sf)	Area (sf)	Area (sf)	(Distance from End) (ft)	(Distance from End) (ft)	(Distance from End) (ft)
1,417	50	354	354	354	354	13	25	38

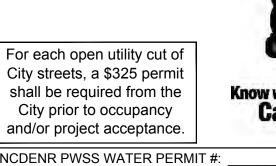
BAFFLE DETAIL

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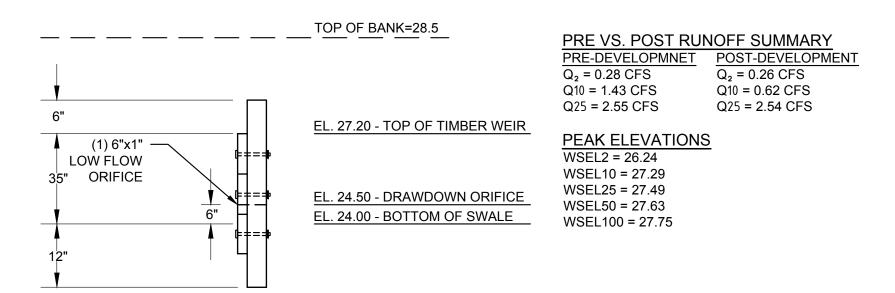
Know what's below.



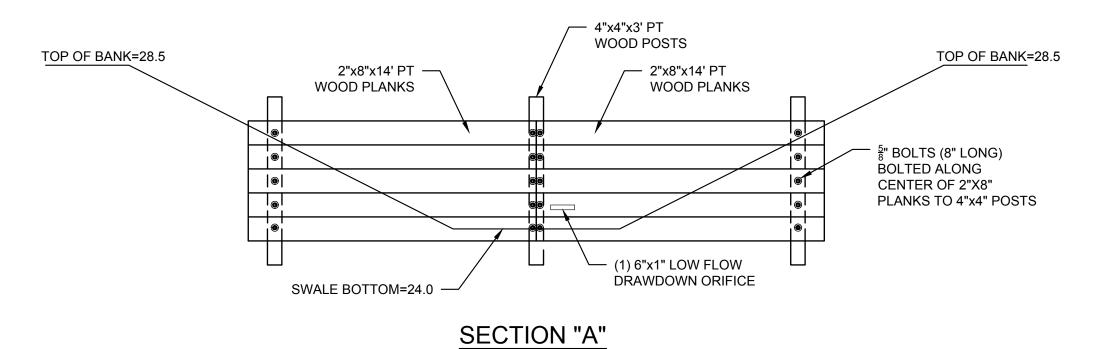


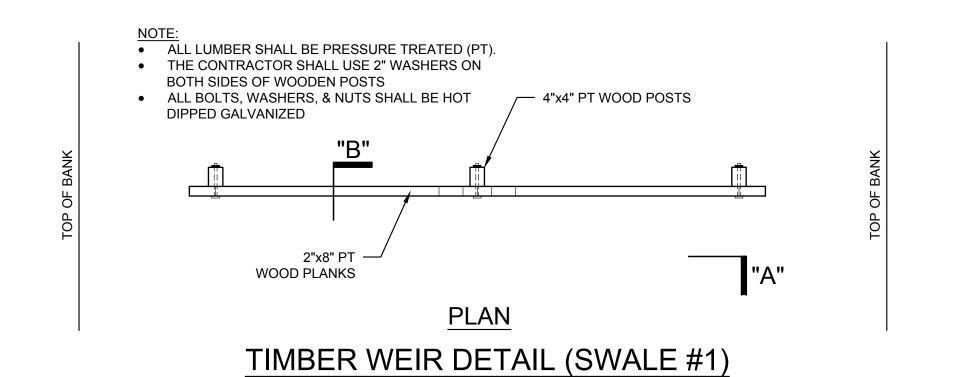


or project acceptance.	Gan before you are
NR PWSS WATER PERMIT #:	
WATER CAPACITY:	G
DWQ SEWER PERMIT #:	
SEWER CAPACITY:	G
SEWER SHED # AND PLANT:	
ER TO FLOW THROUGH NEI:	YES or NO (CIRCLE ONE



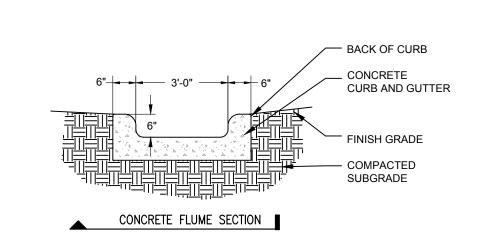
SECTION "B" NOT TO SCALE

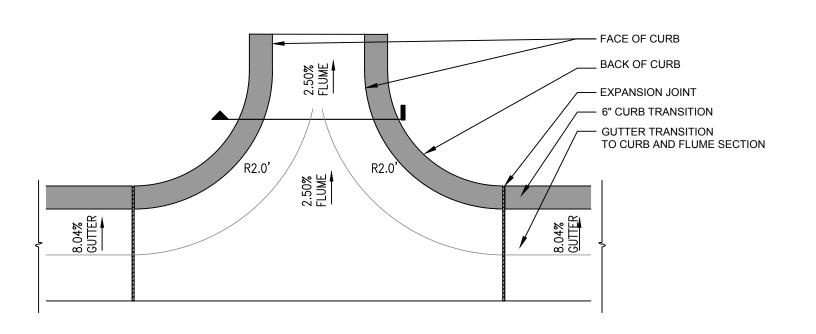




NOT TO SCALE

NOT TO SCALE





CONCRETE FLUME TRANSITION

NOT TO SCALE

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

03/12/19