ST. MARK CATHOLIC CHURCH & MAYFAIRE II PROPOSED ROADWAY DESIGN DOCUMENTS MARCH 2019

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 PH: 910-772-4903

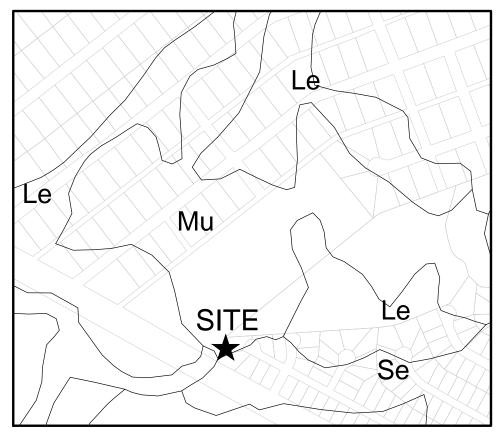
AT&T/BELL SOUTH ATTN: STEVE DAYVAULT (BUILDING ENGINEERING) PH: 910-341-0741

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

SPECTRUM GENERAL PH: 800-892-4357 PROJECT ADDRESS: 1011 EASTWOOD ROAD WILMINGTON, NC 28403



 $\frac{VICINITY\ MAP}{\text{SCALE: 1"=1000'}}$



SCALE: 1"=500'

	NCDENR PWSS WATER	R PERMIT #:	
	WATER	CAPACITY:	GPD
For each open utility cut of	DWQ SEWEI		
City streets, a \$325 permit		CAPACITY:GP	
shall be required from the City prior to occupancy			
and/or project acceptance.	SEWER TO FLOW THE	ROUGH NEI:	YES or NO (CIRCLE ONE)
Approved Cor	nstruction Plan	T T T T	CITY OF
Nam	ne <u>Date</u>		ILMINGTON
Planning			NORTH CAROLINA
		Public Se	ervices Engineering Division
Traffic		APPROVED S	STORMWATER MANAGEMENT PLAN
Fire		Date:	Permit #
		Signed:	

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-6.0 - C-6.2	DETAILS				

PREPARED BY:

PARAMOUN



ENGINEERING. INC. 122 Cinema Drive Wilmington, North Carolina 28403 (910) 791-6707 (O) (910) 791-6760 (F) NC License #: C-2846 PROJECT # 16247.PE INAL DESIGN - NOT RELEASED FOR CONSTRUCTION

SEAL

031591

WGINEE

TPBA

03/25/19

COORDINATION NOTES:

- THE CONTRACTOR IS REQUIRED TO OBTAIN ANY/ALL PERMITS REQUIRED FOR CONSTRUCTION OF THESE PLANS.
- ALL CONSTRUCTION TO BE IN ACCORDANCE WITH PERMITS ISSUED AND WITH THE CITY OF WILMINGTON, NEW HANOVER COUNTY, CAPE FEAR PUBLIC UTILITY AUTHORITY (CFPUA), AND THE STATE OF NORTH CAROLINA.
- THE CONTRACTOR IS TO ESTABLISH AND CHECK ALL HORIZONTAL AND VERTICAL CONTROLS TO BE USED WITH THE PROJECT. IN ADDITION, THE CONTRACTOR IS TO COMPUTE THE LAYOUT OF THF FNTIRE SITE PLAN IN ADVANCE OF BEGINNING ANY WORK ASSOCIATED WITH THE SUBJECT PLANS. CONTRACTOR SHALL EMPLOY A PROFESSIONAL SURVEYOR TO PERFORM SITE IMPROVEMENT STAKEOUT(S).
- ANYTIME WORK IS PERFORMED OFF-SITE OR WITHIN AN EXISTING EASEMENT, THE CONTRACTOR IS TO NOTIFY THE HOLDER OF SAID EASEMENT AS TO THE NATURE OF PROPOSED WORK, AND TO FOLLOW ANY GUIDELINES OR STANDARDS WHICH ARE ASSOCIATED WITH OR REFERENCED IN THE RECORDED EASEMENT.
- CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS BY OTHERS FOR 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 OF OFF-SITE.
- ALL WORK BY THE CONTRACTOR SHALL BE WARRANTED BY THE CONTRACTOR FOR A PERIOD OF ONE YEAR AFTER THE OWNER ACCEPTS THE WORK.
- 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.
- 2. THE GENERAL CONTRACTOR SHALL REMOVE ALL DEBRIS FROM THE SITE UPON COMPLETION OF THE PROJECT AND AT LEAST ONCE A WEEK DURING CONSTRUCTION.
- 13. THE GENERAL CONTRACTOR SHALL KEEP THE AREA OUTSIDE THE "CONSTRUCTION LIMITS" BROOM CLEAN AT ALL TIMES
- . ALL STREET SURFACES, DRIVEWAYS, CULVERTS, CURB AND GUTTERS, ROADSIDE DRAINAGE DITCHES AND OTHER STRUCTURES THAT ARE DISTURBED OR DAMAGED IN ANY MANNER AS A RESULT OF CONSTRUCTION SHALL BE REPLACED OR REPAIRED IN ACCORDANCE WITH THE SPECIFICATIONS.
- CONTRACTOR SHALL MAINTAIN AN "AS-BUILT" SET OF DRAWINGS TO RECORD THE EXACT LOCATION OF ALL PIPING PRIOR TO CONCEALMENT. DRAWINGS SHALL BE GIVEN TO THE OWNER UPON COMPLETION OF THE PROJECT WITH A COPY OF THE TRANSMITTAL LETTER TO THE ENGINEER.
- 3. IF DEPARTURES FROM THE SPECIFICATIONS OR DRAWINGS ARE DEEMED NECESSARY BY THE CONTRACTOR, DETAILS OF SUCH DEPARTURES AND REASONS THEREOF SHALL BE GIVEN TO THE OWNER FOR REVIEW, NO DEPARTURES FROM THE CONTRACT DOCUMENTS SHALL BE MADE WITHOUT THE PERMISSION OF THE OWNER, THE CITY OF WILMINGTON, NEW HANOVER COUNTY, OR CFPUA. RESPECTIVELY.
- CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES. THE LOCATION OF ALL EXISTING UTILITIES ARE NOT NECESSARILY SHOWN ON PLANS AND WHERE SHOWN ARE ONLY APPROXIMATE. THE CONTRACTOR SHALL ON HIS INITIATIVE AND AT NO EXTRA COST HAVE LOCATED ALL UNDERGROUND LINES AND STRUCTURES AS NECESSARY. NO CLAIMS FOR DAMAGES OR EXTRA COMPENSATION SHALL ACCRUE TO THE CONTRACTOR FROM THE PRESENCE OF SUCH PIPE OTHER OBSTRUCTIONS OR FROM DELAY DUE TO REMOVAL OR REARRANGEMENT OF THE SAME. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO UNDERGROUND STRUCTURES. CONTACT NORTH CAROLINA ONE CALL" TOLL FREE 1-800-632-4949 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL NONSUBSCRIBING UTILITIES.
- . THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL INSPECTIONS, CERTIFICATIONS, EQUIPMENT, FTC., THAT MAY BE REQUIRED.
- 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 BE WHITE
- 1. LANDSCAPE PLANTINGS AT ENTRANCE/ EXITS WILL BE INSTALLED AND MAINTAINED SO AS NOT TO INTERFERE WITH SIGHT DISTANCE NEEDS OF DRIVERS IN THE PARKING AREA AND AT ENTRANCE/EXIT LOCATIONS PER LOCAL STANDARDS.
- 2. ALL DIMENSIONS AND RADII ARE TO OUTSIDE FACE OF BUILDING OR TO FACE OF CURB UNLESS OTHERWISE NOTED.

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.

NPDES BUILDING WASTES HANDLING: 1. NO PAINT OR LIQUID WASTES IN STREAM OR STORM DRAINS.

- 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. WETLANDS, OR BUFFERS.

- 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. NPDES SEDIMENT BASINS:
- 1. OUTLET STRUCTURES MUST WITHDRAW FROM BASIN SURFACE UNLESS DRAINAGE AREA IS LESS THAN 1 ACRE
- 2. USE ONLY DWQ-APPROVED FLOCULANTS. NPDES - SPECIFIC PLAN SHEETS NOTES:
- 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 PERMIT NCG010000 ONLY.
- 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 ENFORCEMENT ACTION UNDER THE COUNTY CODE.

GENERAL EROSION AND SEDIMENT CONTROL NOTES:

- THE EROSION CONTROL PLAN SHALL INCLUDE PROVISIONS FOR GROUNDCOVER OI PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES AND ALL SLOPES STEE CALENDAR DAYS FROM THE LAST LAND DISTURBING ACTIVITY. GROUND COVER SH ALL OTHER DISTURBED AREAS WITHIN 14 CALENDAR DAYS FROM THE LAST LAND D
- UNLESS OTHERWISE INDICATED. ALL VEGETATIVE AND STRUCTURAL EROSION AND MEASURES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE NORTH CAROLINA EROSION AND SEDIME HANDBOOK. (NO SEPARATE PAYMENT)
- 3. THE CONTRACTOR SHALL NOTIFY PLAN APPROVING AUTHORITY ONE WEEK PRIOR PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF ACTIVITY, AND ONE WEEK PRIOR TO FINAL INSPECTION.
- 4. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO (LAND DISTURBANCE.
- 5. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN AND PERMIT ON THE SITE AT ALL TIMES.
- 6. PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INDI PLANS (INCLUDING, BUT NOT LIMITED TO OFF-SITE BORROW OR WASTE AREAS STA AREAS), THE CONTRACTOR SHALL PREPARE AND SUBMIT A SUPPLEMENTARY EROS TO THE OWNER FOR REVIEW AND TO NEW HANOVER COUNTY FOR APPROVAL. CON ALL FEES REQUIRED AND SHALL INSTALL NECESSARY MEASURES AT NO SEPARATE CONTRACTOR SHALL PROVIDE THE OWNER AND THE ENGINEER A COPY OF THE AM
- THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSIC MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMIN REVIEWING AGENCY OR THE ENGINEER. (NO SEPARATE PAYMENT).
- 8. ALL DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASUR DURING LAND DISTURBING ACTIVITIES AND DURING SITE DEVELOPMENT UNTIL FINA ACHIEVED
- 9. ALL AREAS DISTURBED BY CONSTRUCTION UNLESS OTHERWISE IMPROVED SHALL SEEDED AS INDICATED AND STABILIZED.
- 10. DURING DEWATERING OPERATIONS, WATER SHALL BE PUMPED INTO AN APPROVED PRIOR TO DISCHARGE TO RECEIVING OUTLET.
- 11. THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICAL RUNOFF-PRODUCING EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY.
- 12. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED BY CONTRAC STABILIZATION OR A SUFFICIENT GROUND COVER HAS BEEN ESTABLISHED OR AS D ENGINEER. (NO SEPARATE PAYMENT). NCDENR'S FINAL APPROVAL IS REQUIRED.
- 13. TEMPORARY GRAVEL CONSTRUCTION ENTRANCE SHALL BE REQUIRED AT ALL CONS AREA ENTRANCES AND ALL CONSTRUCTION ACCESS LOCATIONS INTO NON-PAVED / PAYMENT)
- 14. WHEN CROSSING CREEK OR DRAINAGE-WAY, THE DIVISION OF WATER QUALITY SH PRIOR TO DISTURBING A CREEK. THE CONTRACTOR SHALL INSTALL RIP-RAP WITH F DISTURBED BANKS AND CHANNEL AND RESTORE SLOPES TO ORIGINAL CONTOURS, THAN 2:1 MAXIMUM. DISTURBED CREEK AREA SHALL BE STABILIZED IMMEDIATELY.

DEMOLITION NOTES

- 1. CONTRACTOR TO COORDINATE WITH THE OWNER TO PROPERLY MAINTAIN OR SERVICE CONNECTIONS WHEN NECESSARY.
- CONTRACTOR IS TO WALK THE SITE AND BECOME FAMILIAR WITH THE SCOPE OF REQUIRED. ALL DEMOLITION WORK REQUIRED TO CONSTRUCT NEW SITE IMPROV PERFORMED BY THE CONTRACTOR AND WILL BE CONSIDERED UNCLASSIFIED EX
- DEMOLITION SHALL INCLUDE BUT IS NOT LIMITED TO THE EXCAVATION, HAULING DISPOSAL OF CONCRETE PADS, CONCRETE DITCHES, FOUNDATIONS, SLABS, STR STRUCTURES: ABANDONED UTILITIES. BUILDINGS. PAVEMENTS AND ALL MATERI STRIPPED TO THE EXTENT NECESSARY AS DIRECTED BY THE GEOTECHNICAL EN INSTALLATION OF THE NEW IMPROVEMENTS AND WITHIN THE LIMITS OF CLEARIN AS SHOWN ON THESE PLANS.
- 4. THE CONTRACTOR SHALL PROTECT ALL ADJACENT PROPERTY, STRUCTURES AN PROPERTY NOT TO BE DEMOLISHED. DAMAGE TO PROPERTIES OF OTHERS DUE CONTRACTOR'S ACTIVITIES SHALL BE REPLACED IN KIND BY THE CONTRACTOR A OWNER.
- ELECTRIC TELEPHONE SANITARY SEWER WATER AND STORM SEWER UTILITIE OFF-SITE PROPERTIES SHALL BE MAINTAINED DURING THE CONSTRUCTION PRO CONTRACTOR.
- 6. THE CONTRACTOR SHALL PRODUCE A PHOTOGRAPHIC RECORD (DIGITAL) OF DE COMMENCING WITH A RECORD OF THE SITE AS IT APPEARS BEFORE DEMOLITI AFTERWARDS, A PHOTOGRAPHIC RECORD SHALL BE MAINTAINED WEEKLY DURI AND ENDING WITH A PHOTOGRAPHIC RECORD OF THE DEVELOPMENT AS IT APPL DEMOLITION. THIS RECORD SHALL BE DELIVERED TO THE OWNER.
- EXISTING CURB AND GUTTER, LIGHTS, SIDEWALK, AND UTILITIES NOT INTENDED SHALL BE MAINTAINED, PROTECTED AND UNDISTURBED DURING DEMOLITION.
- ALL EXISTING IMPROVEMENTS INDICATED OR REQUIRED TO BE DEMOLISHED SH FROM THE PROPERTY AND PROPER DISPOSAL.
- UTILITIES INCLUDING CABLE, GAS, TELEPHONE AND ELECTRIC AND ANY OTHER U THE SITE WITH THE RESPECTIVE COMPANIES.
- 10. CONTRACTOR SHALL MAINTAIN REQUIRED DISTANCES FROM HIGH VOLTAGE OVE REMOVE TREES SO THEY DO NOT FALL TOWARDS OVERHEAD ELECTRICITY.
- 11. PROVIDE SMOOTH SAW CUT OF EXISTING PAVEMENTS, CURBS AND GUTTERS AN DEMOLISHED.
- 12. ALL DEMOLITION WORK SHALL BE DONE IN STRICT ACCORDANCE WITH LOCAL, REGULATIONS AS WELL AS OSHA REGULATIONS.
- 13. EXISTING FIRE HYDRANTS ON OR NEAR THE SITE ARE TO REMAIN IN SERVICE.
- 14. INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AV BUT THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATION

TRAFFIC NOTES:

9.

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

TABILIZATION TIME FRAMES

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					

THE EROSION CONTROL PLAN SHALL INCLUDE PERIMETER DIKES, SWALES, DITCHES, PERIME CALENDAR DAYS FROM THE LAST LAND DISTU ALL OTHER DISTURBED AREAS WITHIN 14 CAL	TER SLOPES AND AL RBING ACTIVITY. GR	L SLOPES STEEPER THAN 3:1 WITHIN 7 OUND COVER SHALL BE PROVIDED ON	"PH PRC DEV	ASE" OF DJECT IS /ICES/MI	E EROSION CONTROL AND CONSTRUCTION. THE OR DEVELOPED; WHETHER A EASURES MUST REMAIN IN ENTS WITHIN THE DISTURB	DER AND STEPS ⁻ S A WHOLE OR IN PLACE UNTIL TH	AKEN MUST BE IMPLEM PHASES. ANY EROSION E ENTIRE DISTURBANCE	ENTED AS EACH PART OF THE N CONTROL
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A COPY OF THE APPROVED EROSION AND SEE ON THE SITE AT ALL TIMES.	DIMENT CONTROL PLA	AN AND PERMIT SHALL BE MAINTAINED		ACTIVIT	Ύ.			BASIN, DROP INLET, ETC., THE
PRIOR TO COMMENCING LAND DISTURBING AC PLANS (INCLUDING, BUT NOT LIMITED TO OFF- AREAS), THE CONTRACTOR SHALL PREPARE A	SITE BORROW OR WA	STE AREAS STAGING OR STORAGE		CONTR	ACTOR SHALL INSTALL INLI GE SYSTEM.			
TO THE OWNER FOR REVIEW AND TO NEW HAI ALL FEES REQUIRED AND SHALL INSTALL NEC CONTRACTOR SHALL PROVIDE THE OWNER AN	NOVER COUNTY FOR ESSARY MEASURES / ND THE ENGINEER A (APPROVAL. CONTRACTOR SHALL PAY AT NO SEPARATE PAYMENT. THE COPY OF THE AMENDED PERMIT.	-	CONDIT		THE PROJECT LI	MITS THAT MAY INADVE	IG TO PRE-CONSTRUCTION RTENTLY BE DAMAGED DUE T
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DURING DEWATERING OPERATIONS, WATER S PRIOR TO DISCHARGE TO RECEIVING OUTLET.		O AN APPROVED FILTERING DEVICE			CONTROL MAINTENA			R STABILITY AND OPERATION
THE CONTRACTOR SHALL INSPECT ALL EROSI RUNOFF-PRODUCING EVENT. ANY NECESSAR	Y REPAIRS OR CLEAN	IUP TO MAINTAIN THE EFFECTIVENESS		FOLLOV		DUCING RAINFAL	L BUT IN NO CASE LESS	THAN ONCE EVERY WEEK.
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WHEN CROSSING CREEK OR DRAINAGE-WAY, PRIOR TO DISTURBING A CREEK. THE CONTRADISTURBED BANKS AND CHANNEL AND RESTO	ACTOR SHALL INSTAL RE SLOPES TO ORIGI	L RIP-RAP WITH FABRIC ALONG NAL CONTOURS, BUT NOT STEEPER		SPECIF	SEWER INLET PROTECTIO	IVE PLÂN TO MAII	ITAIN A VIGOROUS, DEN	ISE VEGETATIVE COVER.
THAN 2:1 MAXIMUM. DISTURBED CREEK AREA	SHALL BE STABILIZEL) IMMEDIATELY.		PROTEC EVENT	CTION AT LEAST ONCE A W	EEK AND AFTER I . REMOVE SEDIM	EACH SIGNIFICANT (2 INC ENT AND RESTORE THE	CH OR GREATER) RAINFALL SEDIMENT STORAGE AREA TO
CONTRACTOR TO COORDINATE WITH THE SERVICE CONNECTIONS WHEN NECESSAR		Y MAINTAIN OR RELOCATE EXISTING		OF THE	TRAP. PLACE THE SEDIME	ENT THAT IS REMO		NE-HALF THE DESIGN DEPTH ED DISPOSAL AREA AND
CONTRACTOR IS TO WALK THE SITE AND B REQUIRED. ALL DEMOLITION WORK REQUIF PERFORMED BY THE CONTRACTOR AND W	RED TO CONSTRUCT	NEW SITE IMPROVEMENTS WILL BE	-	DIMENS AREA W DAMAG	ITH SEDIMENT CONTROLS E, PIPING, AND SETTLEMEN	TES TO WITHIN O . CHECK THE EM NT. MAKE ALL NE	NE HALF OF THE DESIGN BANKMENT, SPILLWAYS CESSARY REPAIRS IMMI	N DEPTH. PLACE SEDIMENT IN , AND OUTLET FOR EROSION
DEMOLITION SHALL INCLUDE BUT IS NOT LI DISPOSAL OF CONCRETE PADS, CONCRETE	E DITCHES, FOUNDAT	IONS, SLABS, STEPS, AND	7.	SEDIME		ACE ANY BROKEN	I, COLLAPSED, TORN, OF	R DECOMPOSED BAFFLE AND
STRUCTURES; ABANDONED UTILITIES, BUIL STRIPPED TO THE EXTENT NECESSARY AS INSTALLATION OF THE NEW IMPROVEMENT	DIRECTED BY THE G	EOTECHNICAL ENGINEER FOR THE		BAFFLE	-			
AS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL PROTECT ALL AE	JACENT PROPERTY.	STRUCTURES AND UTILITIES ON THE		THE INT	AKE MECHANISM, ORIFICE SIN IS DRY, MAKE SURE TH	, OR DISCHARGE IAT ANY VEGETAT	PIPE IS NOT CLOGGED V ION GROWING ON THE I	AINFALL TO MAKE SURE THAT WITH TRASH OR SEDIMENT. IF BOTTOM IS NOT HOLDING THE
PROPERTY NOT TO BE DEMOLISHED. DAM, CONTRACTOR'S ACTIVITIES SHALL BE REPI OWNER.	AGE TO PROPERTIES	OF OTHERS DUE TO THE	9.	WITH IC	E. PROTECTION - INSPECT R	IP RAP OUTLET S	TRUCTURES WEEKLY A	SKIMMER FROM PLUGGING
ELECTRIC, TELEPHONE, SANITARY SEWER, OFF-SITE PROPERTIES SHALL BE MAINTAIN CONTRACTOR.				PLACE, FURTHE	OR IF STONES HAVE BEEN R DAMAGE.	DISLODGED. IMM	IEDIATELY MAKE ALL NE	OW THE RIP RAP HAS TAKEN EEDED REPAIRS TO PREVENT ACH SIGNIFICANT (년 INCH OR
THE CONTRACTOR SHALL PRODUCE A PHO COMMENCING WITH A RECORD OF THE SIT AFTERWARDS, A PHOTOGRAPHIC RECORD AND ENDING WITH A PHOTOGRAPHIC RECO DEMOLITION. THIS RECORD SHALL BE DEL	E AS IT APPEARS BEF SHALL BE MAINTAINE ORD OF THE DEVELOF	ORE DEMOLITION HAS BEGUN. ED WEEKLY DURING CONSTRUCTION PMENT AS IT APPEARS AFTER		GREATE SEDIME ONE-HA DESIGN THE ST	ER) RAINFALL EVENT AND F NT STORAGE AREA TO ITS LF THE DESIGN DEPTH OF	REPAIR IMMEDIAT ORIGINAL DIMEN THE TRAP. PLACI REPLACE THE C NY RIP RAP DISPL	ELY. REMOVE SEDIMEN SIONS WHEN THE SEDIM E THE SEDIMENT THAT IS ONTAMINATED PART OF ACED FROM THE STONE	T AND RESTORE THE MENT HAS ACCUMULATED TO S REMOVED IN THE THE GRAVEL FACING. CHECK E HORSESHOW MUST BE
EXISTING CURB AND GUTTER, LIGHTS, SIDE SHALL BE MAINTAINED, PROTECTED AND U				STRUC	TURE AND ALL UNSTABLE S AND APPROPRIATELY STAP	BEDIMENT AND SM		
ALL EXISTING IMPROVEMENTS INDICATED		DEMOLISHED SHALL INCLUDE REMOVAL		INTEGR	ENCY SPILLWAY / FOREBA' ITY OF THE LINED SPILLWA	Y AND THE ADJA	CENT EARTHEN BANKS.	
CONTRACTOR SHALL COORDINATE RELOC. UTILITIES INCLUDING CABLE, GAS, TELEPHO THE SITE WITH THE RESPECTIVE COMPANI	ATION OF ALL EXISTIN		12.	RE-EST	ABLISH ANY LOOSE STONE RARY DIVERSION DITCH - II	S, AND FIX GAPS	IN THE ADJACENT VEGE ARY DIVERSIONS ONCE	
CONTRACTOR SHALL MAINTAIN REQUIRED REMOVE TREES SO THEY DO NOT FALL TO	DISTANCES FROM HI			PERMA	JLLY CHECK OUTLETS AND NENTLY STABILIZED, REMC D LEVEL AND APPROPRIAT	VE THE RIDGE AN		EN THE AREA PROTECTED IS END WITH THE NATURAL
PROVIDE SMOOTH SAW CUT OF EXISTING F DEMOLISHED.	PAVEMENTS, CURBS /	AND GUTTERS AND SIDEWALKS TO BE		BEEN E	STABLISHED INSPECT THE	SWALES PERIOD	CALLY AND AFTER EVE	EVENT. AFTER GRASS HAS RY HEAVY (1/2 INCH OR
ALL DEMOLITION WORK SHALL BE DONE IN REGULATIONS AS WELL AS OSHA REGULAT		E WITH LOCAL, STATE AND FEDERAL		CROSS SIGNIFI	NGS FOR BANK STABILITY CANT SEDIMENT ACCUMUL	AND EVIDENCE C ATIONS TO MAIN	F PIPING OR SCOUR HO FAIN THE DESIGNED CAI	RRYING CAPACITY. KEEP THE
EXISTING FIRE HYDRANTS ON OR NEAR TH		N IN SERVICE.		PROTE	IN A HEALTHY, VIGOROUS CTION FOR THE CHANNEL.			
INFORMATION CONCERNING UNDERGROUN BUT THE CONTRACTOR MUST DETERMINE				ACCUM	T CHECK DAMS AND MAINT ULATION OR DEBRIS BEHIN D CHECK DAMS. REPLACE	D CHECK DAMS	AND REGRADE DITCHES	IF WATER WASHES OUT
AFFIC NOTES: ALL PAVEMENT MARKINGS IN PUBLIC RIGH	TS-OF-WAY & FOR DR	IVEWAY(S) ARE TO BE THERMOPLASTIC		GREATE	OÚND AND ENSURE NO ER	REPAIR IMMEDIA	ELY IF REQUIRED. MAIN	NIFICANT (¹ /2 INCH OR ITAIN GOOD CONTACT WITH & AND REPAIR AS NECESSARY
& MEET CITY OF WILMINGTON AND/OR NCD TRAFFIC CONTROL DEVICES (INCLUDING SI		MARKINGS) IN AREAS OPEN TO PUBLIC		UNTIL		-		
TRAFFIC ARE TO MEET MUTCO (MANUAL ON	N UNIFORM TRAFFIC (CONTROL DEVICES) STANDARDS.			PERMANENT SEE	<u>DING</u>		
MAINTAINED BY THE PROPERTY OWNER IN ALL PARKING STALL MARKINGS AND LANE	ACCORDANCE WITH	MUTCD STANDARDS.			GRASS TYPE	LBS/ ACRE	TIME OF SEEDING	FERTILIZER LIMESTONE
ANY OPEN CUTTING OF A CITY STREET REC	QUIRES A UTILITY CUT	PERMIT. CONTACT 341-5888 FOR MORE			BERMUDA, HULLED BERMUDA, UNHULLED	10-20 35	MARCH - AUGUST SEPT FEB.	BY SOIL TEST
DETAILS. IN CERTAIN CASES, AN ENTIRE RI REQUIRED.					CENTIPEDE	10	MARCH - AUGUST	BY SOIL TEST (NO HIGH PH)
CONTACT TRAFFIC ENGINEERING, AT 341-74 EQUIPMENT ARE SHOWN ON THE PLAN. CA TO ANY EXCAVATION IN THE RIGHT OF WAY	LL TRAFFIC ENGINEE				TALL FESCUE (COASTAL CULTIVAR RECOMMENDED)	50	MARCH - AUGUST	300 LB/AC 10-20-20 OR BY SOIL TEST
ANY BROKEN OR MISSING SIDEWALK PANE REPLACED.	LS, DRIVEWAY PANEL	S AND/OR CURBING SHALL BE			SLOPES >= 2:1			
TACTILE WARNING MATS TO BE INSTALLED					CENTIPEDE SERICEA LESPEDEZA	5 20	JAN - DEC	BY SOIL TEST
EW HANOVER COUNTY LAND QUALITY STABILIZATION TIME FRAME NOTE: ENUDED AREAS MUST BE STABILIZED WITH FIFTEEN (15) WORKING DAYS OF EASE OF ANY PHASE OF ACTIVITY. ALL SLOPES MUST BE STABILIZED WITHIN				TEMPORARY SEE	DING			
WENTY-ONE (21) CALENDAR DAYS OF (CLUDES SLOPES, SWALES, CHANNELS	CEASE OF ANY PH	ASE OF ACTIVITY. THIS			GRASS TYPE	LBS/ ACRE	TIME OF SEEDING	FERTILIZER LIMESTONE
TABILIZATION TIME FRAMES: N THE EVENT THAT THE GOVERNING A					RYE GRAIN	50	OCT APR.	400 LBS/AC. 10-20-20
ARY, CONTRACTOR SHALL MEET THE					SWEET SUDAN GRASS	50	JUNE - AUGUST	400 LBS/AC. 10-20-20
	Г				GERMAN or BROWNTOP MILLET	50	JUNE - AUGUST	400 LBS/AC. 10-20-20
SITE AREA DESCRIPTION METER DIKES, SWALES, DITCHES AND SLOPES	STABILIZATION 7 DAYS	TIMEFRAME EXCEPTIONS			STRAW MULCH AS NEEDED	4,000		
I QUALITY WATER (HQW) ZONES PES STEEPER THAN 3:1	7 DAYS 7 DAYS	NONE IF SLOPES ARE 10' OR LESS IN LENGTH AN NOT STEEPER THAN 2:1, 14 DAYS ARE ALL						
	I							

EROSION CONTROL AND SEQUENCE OF CONSTRUCTION NOTES:

NC ACCESSIBILITY NOTES:

- SPECIAL ATTENTION SHALL BE GIVEN TO COMPLIANCE WITH AMERICANS WITH D ADA STANDARDS), THE NORTH CAROLINA BUILDING CODE/ANSI A117.1, AND APPL REGULATIONS.
- 2. IT IS ESSENTIAL THAT CONTRACTORS ARE AWARE OF THE SITE ACCESSIBILITY R PARAMOUNTE ENGINEERING HAS DEVELOPED THESE NOTES AND DETAILS TO AS CONTRACTORS ARE AWARE OF THE REQUIREMENTS AT THE POINT IN TIME WHE THE PROJECT. IN ADDITION, PARAMOUNTE ENGINEERING HAS MADE A POINT IN DETAILS, AS WELL AS IN OUR DRAWINGS, TO PROVIDE SLOPES / GRADES AND DI COMPLY WITH THE AMERICANS WITH DISABILITIES ACT (2010 ADA STANDARDS), BUILDING CODE/ANSI A117.1 AND APPLICABLE LOCAL LAWS & REGULATIONS. IF AND DIMENSIONS ARE NOT ACHIEVABLE, THE CONTRACTOR IS REQUIRED TO CO IMMEDIATELY AND BEFORE MOVING FORWARD WITH THE WORK.
- 3. THE CONTRACTOR SHALL NOTIFY PARAMOUNTE ENGINEERING IMMEDIATELY OF BETWEEN THESE NOTES AND DETAILS AND OTHER PROJECT DRAWINGS, WHETH ENGINEERING OR OTHERS. THE CONTRACTOR SHALL NOT PROCEED WITH THE ALLEGED CONFLICT HAS BEEN DISCOVERED UNTIL SUCH ALLEGED CONFLICT HA CLAIM SHALL BE MADE BY THE CONTRACTOR FOR DELAY OR DAMAGES AS A RES ANY SUCH CONFLICT(S).
- 4. THESE ACCESSIBILITY NOTES AND DETAILS ARE INTENDED TO DEPICT SLOPE AN REQUIREMENTS ONLY. REFER TO SIDEWALK, CURBING, AND PAVEMENT DETAILS INFORMATION.
- ACCESSIBLE ROUTE NOTES:
- 1. AT LEAST ONE ACCESSIBLE ROUTE SHALL BE PROVIDED WITHIN THE SITE FROM SPACES AND ACCESSIBLE PASSENGER LOADING ZONES; PUBLIC STREETS OR SI TRANSPORTATION STOPS TO THE ACCESSIBLE BUILDING OR FACILITY ENTRANCI
- 2. AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT ACCESSIBLE BUILDINGS, AC ACCESSIBLE ELEMENTS, AND ACCESSIBLE SPACES THAT ARE ON THE SAME SIT
- 3. WALKING SURFACES THAT ARE PART OF AN ACCESSIBLE ROUTE SHALL HAVE A M 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 RUNNI THAN 5.0% IS A RAMP AND SHALL COMPLY WITH THE GUIDELINES FOR RAMPS OF
- 5. TRANSITIONS BETWEEN RAMPS, WALKS, LANDINGS, GUTTERS OR STREETS SHAL OF ABRUPT VERTICAL CHANGES (1/4 INCH MAXIMUM VERTICAL CHANGE IN LEVEL 6. FLOOR SURFACES SHALL BE STABLE, FIRM AND SLIP RESISTANT
- 7. THE MINIMUM CLEAR WIDTH OF EXTERIOR ACCESSIBLE ROUTES SHALL BE FORT MINIMUM MEASURED BETWEEN HANDRAILS WHERE HANDRAILS ARE PROVIDED (1104.1 & 1104.2)
- 8. WHERE AN ACCESSIBLE ROUTE MAKES A 180 DEGREE TURN AROUND AN OBJECT FORTY-EIGHT (48) INCHES IN WIDTH, CLEAR WIDTH SHALL BE FORTY-TWO (42) IN APPROACHING THE TURN, FORTY-EIGHT (48) INCHES MINIMUM DURING THE TUR INCHES MINIMUM LEAVING THE TURN. THE CLEAR WIDTH APPROACHING AND LEA THIRTY-SIX (36) INCHES MINIMUM WHEN THE CLEAR WIDTH AT THE TURN IS SIXTY * SEE NOTE 7 ABOVE FOR NC CLEAR WIDTH OF EXTERIOR ACCESSIBLE ROUTES*
- $^{
 m O}$ 9. AN ACCESSIBLE ROUTE WITH A CLEAR WIDTH LESS THAN SIXTY (60) INCHES SHA SPACES AT INTERVALS OF TWO HUNDRED (200) FEET MAXIMUM. PASSING SPAC SIXTY (60) INCH MINIMUM BY SIXTY (60) INCH MINIMUM SPACE; OR AN INTERSECT WALKING SURFACES THAT PROVIDE A COMPLIANT T-SHAPED TURNING SPACE. F ARMS OF THE T-SHAPED SPACE EXTEND FORTY-EIGHT (48) INCHES MINIMUM BEY INTERSECTION.
 - 10. DOORS, DOORWAYS AND GATES THAT ARE PART OF AN ACCESSIBLE ROUTE SHA AMERICANS WITH DISABILITIES ACT (2010 ADA STANDARDS), THE NORTH CAROLI A117.1, AND APPLICABLE LOCAL LAWS & REGULATIONS.
- 11. DIRECTIONAL SIGNAGE INDICATING THE ROUTE TO THE NEAREST ACCESSIBLE B SHALL BE PROVIDED AT INACCESSIBLE BUILDING ENTRANCES.
- 12. WHERE POSSIBLE, DRAINAGE INLETS SHALL NOT BE LOCATED ON AN ACCESSIBLI THAT A DRAINAGE INLET MUST BE LOCATED ON AN ACCESSIBLE ROUTE, THE GRA WITH THE AMERICANS WITH DISABILITIES ACT (2010 ADA STANDARDS), A117.1, TH AND APPLICABLE LOCAL LAWS & REGULATIONS
- 21 ANY PART OF AN ACCESSIBLE ROUTE WITH A RUNNING SLOPE GREATER THAN 5" CONSIDERED A RAMP.
- 2. THE MAXIMUM RUNNING SLOPE FOR A RAMP SHALL BE 8.33% AND THE MAXIMUM BE 2.0%.
- 3. THE CLEAR WIDTH OF AN EXTERIOR RAMP RUN SHALL BE FORTY EIGHT INCHES 1104.1). WHERE HANDRAILS ARE PROVIDED ON THE RAMP RUN, THE CLEAR WIDT 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 NOT STEEPER THAN 2.0% IN ANY DIRECTION. THE LANDING CLEAR WIDTH SHALL AS THE WIDEST RAMP RUN LEADING TO THE LANDING. THE LANDING CLEAR LEN INCHES LONG MINIMUM. RAMPS THAT CHANGE DIRECTION BETWEEN RUNS AT L 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 COMPLYING WITH THE AMERICANS WITH DISABILITIES ACT (2010 ADA STANDARDS CODE/ANSI A117.1, AND APPLICABLE LOCAL LAWS & REGULATIONS.
- 7. FLOOR SURFACES OF RAMPS AND LANDINGS SHALL BE STABLE, FIRM AND SLIP I 8. EDGE PROTECTION COMPLYING WITH AMERICANS WITH DISABILITIES ACT (2010) NC BUILDING CODE/ANSI A117.1, AND APPLICABLE LOCAL LAWS & REGULATIONS EACH SIDE OF RAMP RUNS AND ON EACH SIDE OF RAMP LANDINGS.
- 9. WHERE DOORWAYS ARE LOCATED ADJACENT TO A RAMP LANDING, MANEUVERIN REQUIRED BY THE AMERICANS WITH DISABILITIES ACT (2010 ADA STANDARDS), 1 CODE/ANSI A117.1 SHALL BE PERMITTED TO OVERLAP THE REQUIRED LANDING A THAT ARE SUBJECT TO LOCKING ARE ADJACENT TO A RAMP LANDING, LANDINGS PROVIDE A COMPLIANT TURNING SPACE.

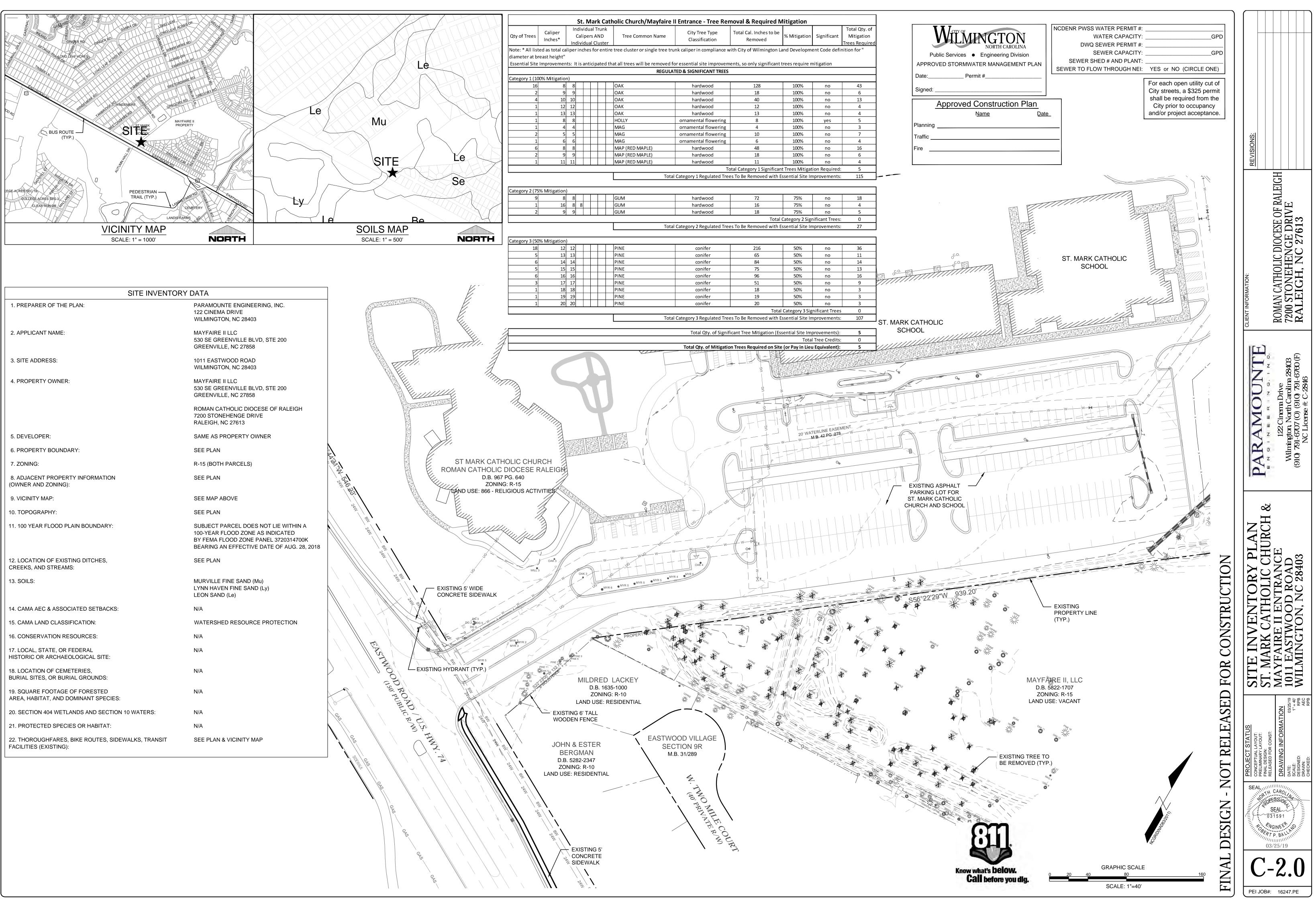
CURB RAMP NOTES:

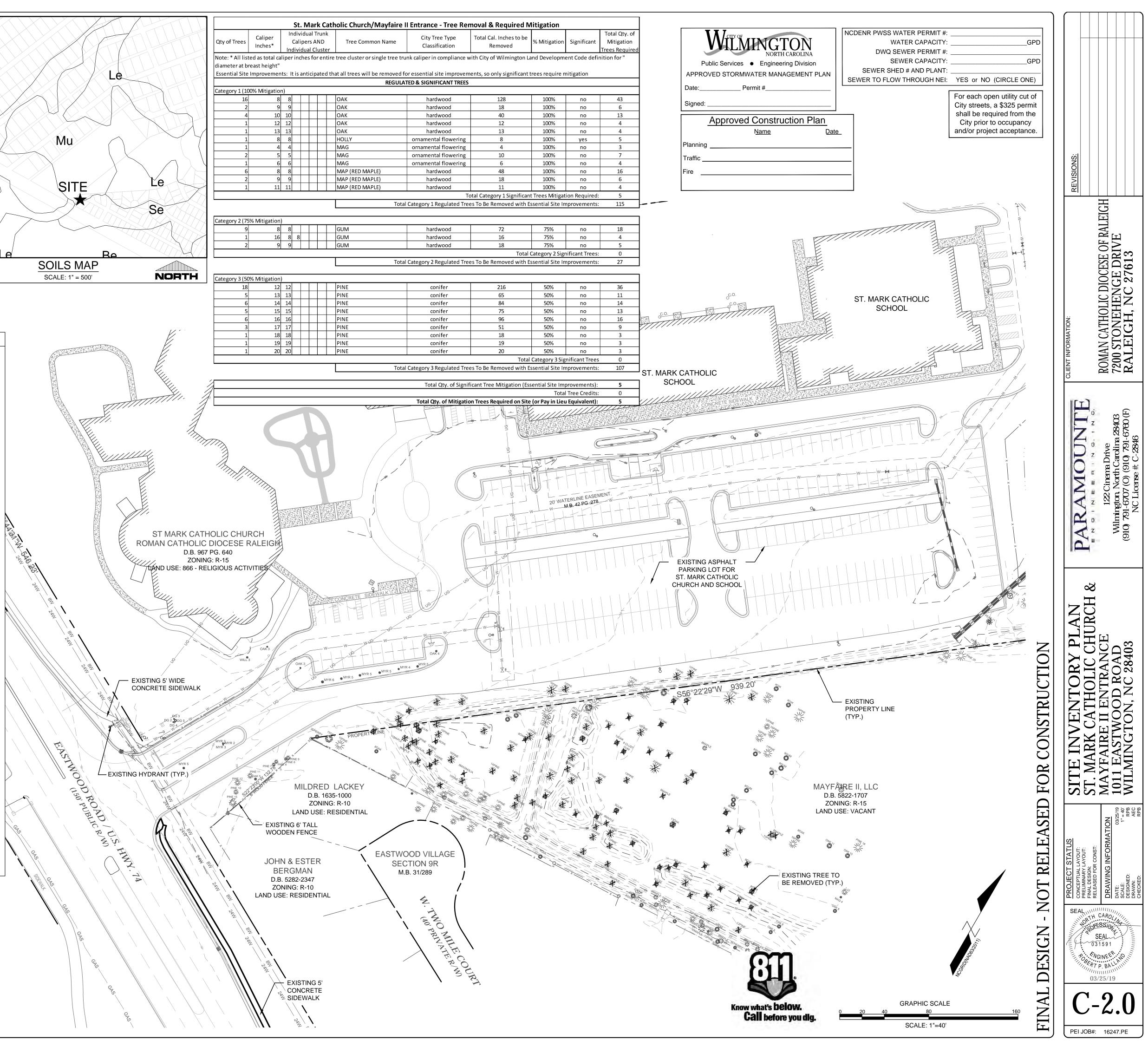
RAMP NOTES:

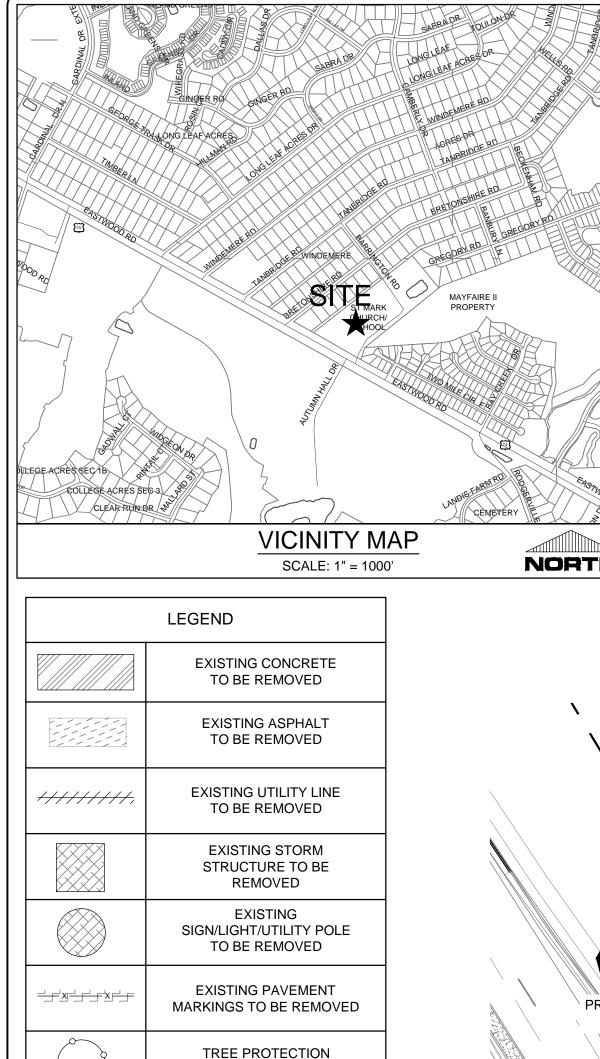
- 1. THE MAXIMUM RUNNING SLOPE OF A CURB RAMP SHALL BE 8.33% AND THE MAXI SHALL BE 2.0%.
- 2. COUNTER SLOPES OF ADJOINING GUTTERS AND ROAD SURFACES IMMEDIATELY CURB RAMP SHALL NOT BE STEEPER THAN 5%. THE ADJACENT SURFACES AT TR RAMPS TO WALKS, GUTTERS AND STREETS SHALL BE AT THE SAME LEVEL.
- 3. THE CLEAR WIDTH OF A CURB RAMP SHALL BE 36 INCHES (36) MINIMUM, EXCLUSI PROVIDED. *NOTE NC BUILDING CODE REQUIRES EXTERIOR ACCESSIBLE ROUTE MINIMUM WIDE (1104.1 & 1104.2).*
- 4. LANDINGS SHALL BE PROVIDED AT THE TOP OF CURB RAMPS. THE CLEAR LENGT SHALL BE THIRTY-SIX (36) INCHES MINIMUM. THE CLEAR WIDTH OF THE LANDING WIDE AS THE CURB RAMP, EXCLUDING FLARED SIDES, LEADING TO THE LANDING HAVE A SLOPE NOT STEEPER THAN 2% IN ANY DIRECTION.
- 5. IF A CURB RAMP IS LOCATED WHERE PEDESTRIANS MUST WALK ACROSS THE RA 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 T PROJECT INTO VEHICULAR TRAFFIC LANES, PARKING SPACES OR PARKING ACCI MARKED CROSSINGS SHALL BE WHOLLY CONTAINED WITHIN THE MARKINGS, EXC
- 8. CURB RAMPS SHALL BE LOCATED OR PROTECTED TO PREVENT THEIR OBSTRUCT VEHICLES.
- 9. IT IS RECOMMENDED TO PROVIDE CURB RAMPS WITH A TWENTY-FOUR (24) INCH WARNING COMPLYING WITH 406.12 A117.1. EXTENDING THE FULL WIDTH OF THE DETECTABLE WARNING DETAILS AND NOTES FOR PLACEMENT, ORIENTATION AN BUILDING CODE DOES NOT CURRENTLY REQUIRE DETECTABLE WARNINGS AT C THE 2010 ADA STANDARDS - HOWEVER US DOT ADA REGULATIONS DO REQUIRE
- 10. FLOOR SURFACES OF CURB RAMPS SHALL BE DEEP GROOVED, $1\!\!\!/_2$ INCH WIDE BY 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 ADJAC AND NOT ON THE SIDEWALK.
- 13. WHERE PROVIDED, DRAINAGE INLETS SHALL BE LOCATED UPSTREAM OF CURB RAMP AREA.
- 14. CURB RAMP TYPE AND LOCATION ARE PER PLAN.

	NC ACCESSIBILITY NOTES CONTD.	
DISABILITIES ACT (2010 LICABLE LOCAL LAWS &	PARKING SPACE NOTES: 1. ACCESSIBLE PARKING SPACES SHALL BE LOCATED ON THE SHORTEST ACCESSIBLE ROUTES OF TRAVEL	
REQUIREMENTS. SSURE THAT IN THEY ARE BIDDING THESE NOTES AND	 FROM ADJACENT PARKING TO AN ACCESSIBLE BUILDING ENTRANCE. 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 	
MENSIONS THAT THE NORTH CAROLINA THESE SLOPES / GRADES DNTACT THE OWNER	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.	
F ANY CONFLICT HER BY PARAMOUNTE WORK FOR WHICH THE AS BEEN RESOLVED. NO SULT OF RESOLUTION OF	 PARKING ACCESS AISLES SHALL BE PART OF AN ACCESSIBLE ROUTE TO THE BUILDING OR FACILITY ENTRANCE AND SHALL COMPLY WITH PROVISIONS FORACCESSIBLE ROUTES. MARKED CROSSINGS SHALL BE PROVIDED WHERE THE ACCESSIBLE ROUTE MUST CROSS VEHICULAR TRAFFIC LANES. WHERE POSSIBLE, IT IS PREFERABLE THAT THE ACCESSIBLE ROUTE NOT PASS BEHIND PARKED VEHICLES. TWO (2) ACCESSIBLE PARKING SPACES MAY SHARE A COMMON ACCESS AISLE. 	
ND DIMENSIONAL S FOR ADDITIONAL	 ACCESS AISLES SHALL EXTEND THE FULL LENGTH OF THE PARKING SPACE THEY SERVE. ACCESS AISLES SHALL BE MARKED SO AS TO DISCOURAGE PARKING IN THEM. ACCESS AISLES SHALL NOT OVERLAP THE VEHICULAR WAY. ACCESS AISLES SHALL BE PERMITTED TO 	KEVISIONS:
ACCESSIBLE PARKING	 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 	
IDEWALKS; AND PUBLIC E THEY SERVE.	AND SLIP RESISTANT. ACCESS AISLES SHALL BE AT THE SAME LEVEL AS THE PARKING SPACES THEY SERVE. CHANGES IN LEVEL ARE NOT PERMITTED.	F RALEIGH
CCESSIBLE FACILITIES, E. MAXIMUM RUNNING	 9. PARKING SPACES AND ACCESS AISLES SHALL BE LEVEL WITH SURFACE SLOPES NOT EXCEEDING 2.0% IN ALL DIRECTIONS. 10. PARKED VEHICLE OVERHANCE SHALL NOT REDUCE THE REQUIRED OF AN ACCESSIBLE. 	OF RA
ING SLOPE GREATER	 PARKED VEHICLE OVERHANGS SHALL NOT REDUCE THE REQUIRED CLEAR WIDTH OF AN ACCESSIBLE ROUTE. PARKING SPACES FOR VANS AND ACCESS AISLES AND VEHICULAR ROUTES SERVING THEM SHALL 	SE (13)
R CURB RAMPS. LL BE FLUSHAND FREE L PERMITTED).	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.	DIOCE NGE I C 276
TY-EIGHT (48) INCHES (NC BUILDING CODE	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.	ATHOLIC ONEHEN GH, N(
T THAT IS LESS THAN CHES MINIMUM N, AND FORTY-TWO (42) AVING THE TURN MAY BE	13. SIGNAGE AT ACCESSIBLE PARKING SPACES REQUIRED BY THE NC BUILDING CODE SECTION 1106.1SHALL COMPLY WITH THE REQUIREMENTS OF NORTH CAROLINA GENERAL STATUTE 20-37.6 AND 136-30 AND THE NCDOT UNIFORM MANUAL ON TRAFFIC CONTROL DEVICES. A SEPARATE SIGN IS REQUIRED FOR EACH SPACE. SIGNS TO INDICATE THE MAXIMUM PENALTY MUST BE PROVIDED AT EACH ACCESSIBLE SPACE.	AN C STC
Y (60) INCHES MINIMUM. * ALLPROVIDE PASSING	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).	ROMA ROMA RAI
ES SHALL BE EITHER A TION OF TWO (2) PROVIDED THE BASE AND	PASSENGER LOADING ZONE NOTES:	
YOND THE ALL COMPLY WITH THE INA BUILDING CODE/ ANSI	 PASSENGER LOADING ZONES SHALL PROVIDE A CLEARLY MARKED ACCESS AISLE THAT IS SIXTY (60) INCHES WIDE MINIMUM AND EXTENDS THE FULL LENGTH OF THE VEHICLE PULL-UP SPACE THEY SERVE. 	
BUILDING ENTRANCE	3. ACCESS AISLE SHALL ADJOIN AN ACCESSIBLE ROUTE AND NOT OVERLAP THE VEHICULAR WAY.	JN a 2840 91-6760 846
E ROUTE. IN THE EVENT ATE SHALL COMPLY HE NC BUILDING CODE,	 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. FLOOR SURFACES OF VEHICLE PULL-UP SPACES AND ACCESS AISLES SERVING THEM SHALL BE STABLE, FIRM AND SLIP RESISTANT. 	n Carol (910) 7 #: C-2
% SHALL BE	 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. 	RAM RAM 122 Cinen mington, Nortl 791-6707 (O) (NC License
I CROSS SLOPE SHALL	ACCESSIBLE ENTRANCE NOTES:	Wilm (910) 7
(NC BUILDING CODE TH SHALL BE MEASURED	 (2010 ADA STANDARDS) AND THE NORTH CAROLINA BUILDING CODE, AND APPLICABLE LOCAL LAWS & REGULATIONS. 2. ENTRANCE DOORS, DOORWAYS AND GATES SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES 	d"
S SHALL HAVE A SLOPE - BE AT LEAST AS WIDE	ACT (2010 ADA STANDARDS) THE NC BUILDING CODE/ANSI A117.1 AND SHALL BE ON AN ACCESSIBLE ROUTE.	
IGTH SHALL BE SIXTY (60) ANDINGS SHALL HAVE A	<u>GENERAL STORM SEWER NOTES:</u> 1. ALL STORM SEWERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF WILMINGTON REQUIREMENTS AS SPECIFIED ON THE DRAWINGS AND IN THE PROJECT	80
S ON BOTH SIDES S), THE NC BUILDING	SPECIFICATIONS.	CH CH
RESISTANT.	3. ALL STORM SEWER PIPES SHOWN AS RCP ON THE PLANS SHALL BE REINFORCED	
ADA STANDARDS), THE SHALL BE PROVIDED ON	CONCRETE PIPE CONFORMING TO ASTM C-76, UNLESS INDICATED OTHERWISE ON PLANS.	S IC CH NCE 28403
NG CLEARANCES THE NC BUILDING AREA. WHERE DOORS	Note: Note: <td< td=""><td>ES C 28 C 28</td></td<>	ES C 28 C 28
S SHALL BE SIZED TO	EXISTING UTILITY NOTES:	NUTION () () () () () () () () () () () () ()
IMUM CROSS SLOPE	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.	
ADJACENT TO THE RANSITIONS AT CURB	2. 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	GGSEKAI
IVE OF FLARED SIDES, IF S TO BE 48 INCHES	CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE IMMEDIATELY.	NE NA
TH OF THE LANDING S SHALL BE AT LEAST AS G. LANDINGS SHALL	WETLAND NOTES: 1) THERE ARE NO WETLANDS WITHIN THE PROJECT BOUNDARY.	ST. ST. WII
AMP, OR WHERE IT IS S.		ATION 03/25/19 N.T.S. RPB RPB RPB RPB
THAT THEY DO NOT ESS AISLES. CURBS AT CLUDING ANY FLARED		
TION BY PARKED	Know what's below.	PROJECT STATU PROJECT STATU CONCEPTUAL LAYOUT: FINAL DESIGN: RELEASED FOR CONST: DRAWING INFORI DATE: SCALE: SCALE: SCALE: SCALE: CHECKED: CHECKED:
I DEEP DETECTABLE RAMP. REFERTO ID NOTES. THE NC URB RAMPS, NOR DO	Call before you dig.	
THESE. ¹ / ₄ INCH DEEP, ONE (1)	NCDENR PWSS WATER PERMIT #:	SEAL IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
».	City streets, a \$325 permit SEWER CAPACITY:GPD	SEAL 031591
CENT TO THE SIDEWALK	City prior to occupancy and/or project acceptance. SEWER SHED # AND PLANT: SEWER TO FLOW THROUGH NEI: YES or NO (CIRCLE ONE) Approved Construction Plan YES or NO (CIRCLE ONE)	NGINEER P. BALLANIN
RAMPS AND NOT IN THE	Approved Construction Plan Mame Date Will MingTon End Name Date Date NORTH CAROLINA End	03/25/19
	Planning Public Services Engineering Division Traffic APPROVED STORMWATER MANAGEMENT PLAN	C-1.0
	Fire Date: Permit # Permit #	

PEI JOB#: 16247.PE







FENCING

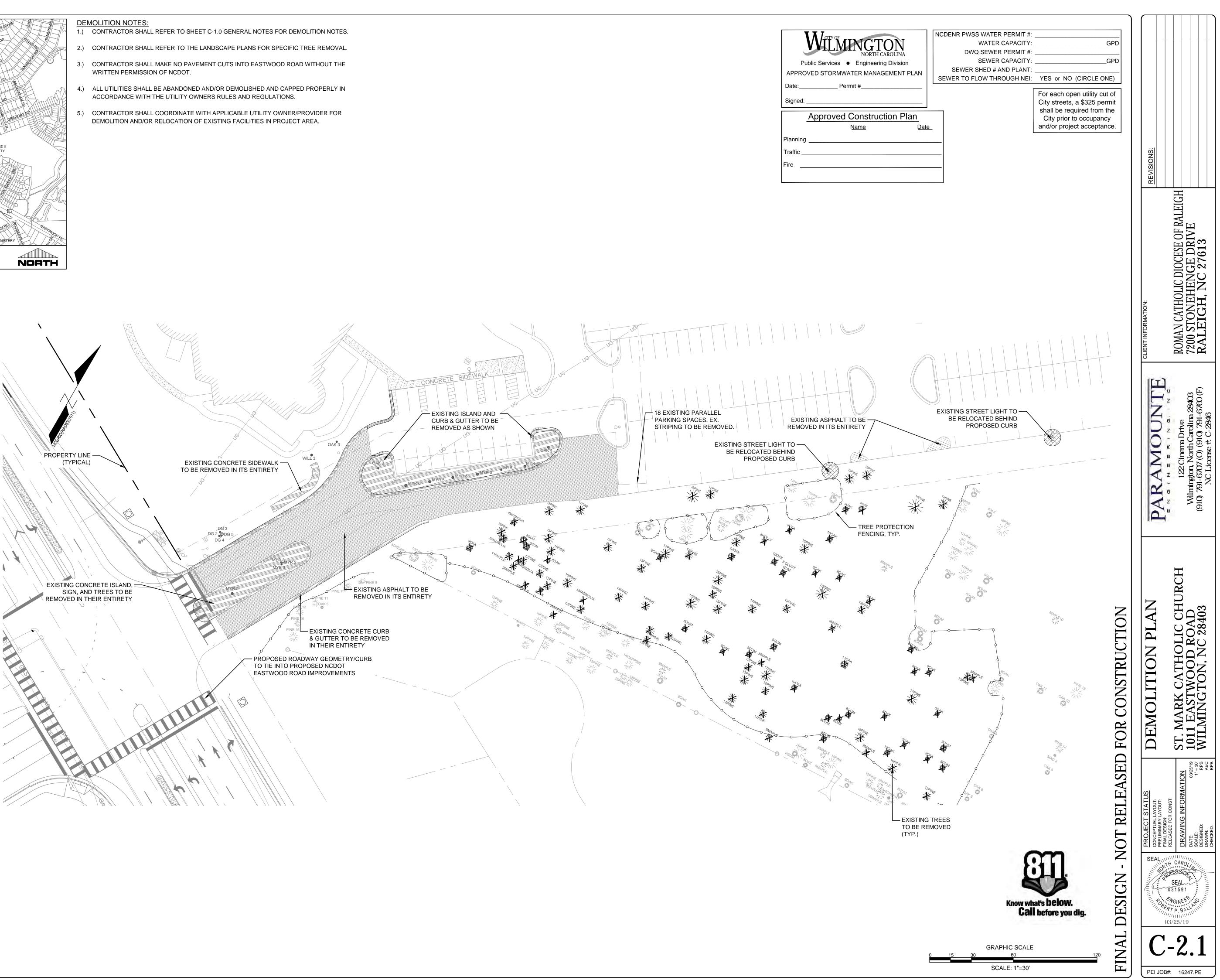
EXISTING TREES

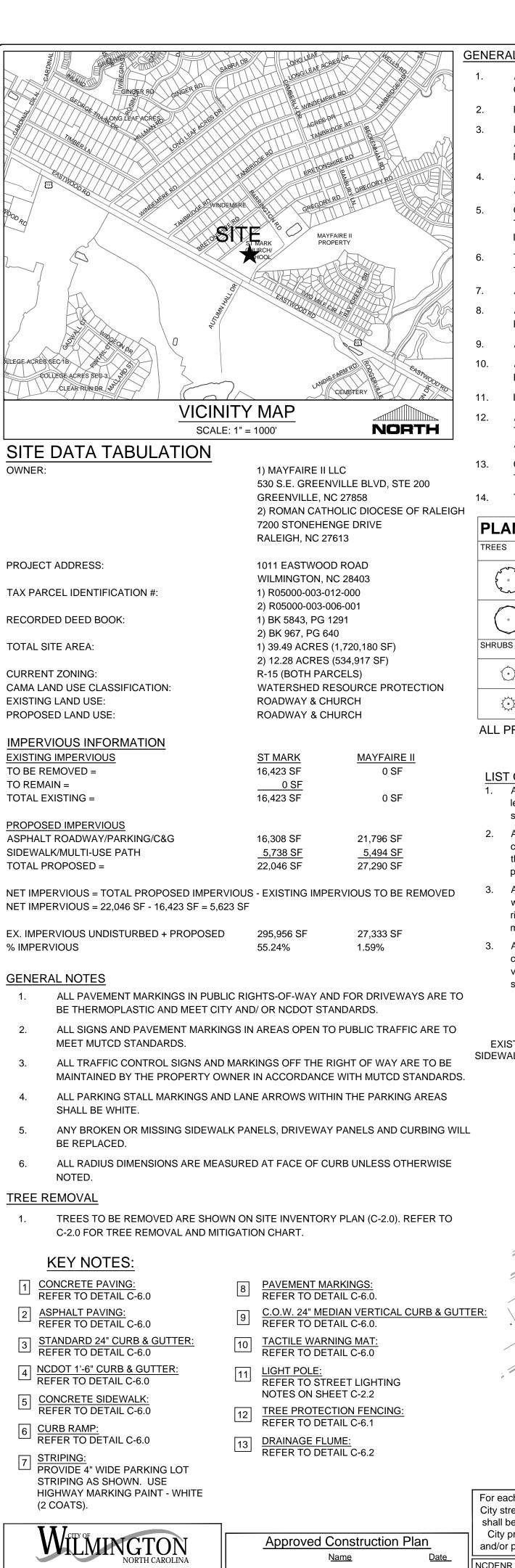
TO BE REMOVED

EXISTING BUILDING/STRUCTURE TO BE REMOVED

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ENERA	L NOTES		STREET LIGHTING NOTES:	404	
1.	ALL DEVELOPMENT SHALL BE IN ACCORDANCE WITH THE CITY OF WILMINGTON LAND DEVELOPMENT		 THE STANDARD STREETLIGHT SHALL BE A DEP ENCLOSED CUTOFF (COBRA TYPE), HIGH PRESSURE SODIUM VAPOR (HPSV) OR DEP DESIGNATED LED EQUIVALENT 	<u>101</u> 1.	1 EASTWOOD ROAD - The use and development of
	CODE. PROJECT SHALL COMPLY WITH ALL FEDERAL, STATE, AND NEW HANOVER COUNTY REGULATIONS.		FIXTURE INSTALLED WITHIN THE RECOMMENDED RANGE OF MOUNTING HEIGHTS FOR THE SPECIFIC FIXTURE. THE STANDARD STREETLIGHT SHALL BE INSTALLED ON A		regulations and requirement Code, City of Wilmington Te
	PRIOR TO ANY CLEARING, GRADING, OR CONSTRUCTION ACTIVITY, TREE PROTECTION WILL BE INSTALLE	LED	WOODEN POLE IN AREAS SERVED FROM OVERHEAD FACILITIES AND ON A FIBERGLASS POLE IN AREAS SERVED FROM UNDERGROUND FACILITIES.		Manual, and any other appli or regulation, as well as nay
	AROUND PROTECTED TREES OR GROVES OF TREES AND NO CONSTRUCTION WORKERS, TOOLS, MATERIALS, OR VEHICLES ARE PERMITTED WITHIN THE TREE PROTECTION FENCING.		2. A LAYOUT FOR THE STANDARD STREET LIGHTING HAS BEEN PROVIDED WITH THE	2.	conflict, the more stringent r Approval of this preliminary
	ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC	IC	REVIEW. MINIMUM OF <i>FIVE (5)</i> STREET LIGHTS ARE REQUIRED FOR THIS SUB-DIVISION. ALTHOUGH, DEVELOPERS MAY CHOOSE TO PROVIDE ANY EXTRA LIGHTS OR		of a site plan. Final approva the issuance of all required
	AND MEET CITY AND/OR NODOT STANDARDS.	05	ORNAMENTAL. ANY INSTALLATIONS ABOVE THE CRITERIA OF STANDARD STREET LIGHTING, WILL BE CONSIDERED AS NONSTANDARD AND HAS TO CONFORM TO THE		project for construction.
	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		CITY'S NON-STANDARD STREET LIGHTING PROCEDURE AS PER THE POLICY.	3.	If, for any reason, any condi invalid or if the applicant she
	INSTALLATION OF STREET NAME SIGNS. TRAFFIC CONTROL DEVICES (INCLUDING SIGNS AND PAVEMENT MARKINGS) IN AREAS OPEN TO PUBLIC		3. DEVELOPERS SHALL BEAR ANY INSTALLATION COSTS ASSOCIATED WITH STREETLIGHTS, IF APPLICABLE. IN AREAS SERVED FROM UNDERGROUND FACILITIES,		approval, the approval of the
	TRAFFIC ARE TO MEET MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES) STANDARDS.		THE DEVELOPERS SHALL PAY THE ONE-TIME UNDERGROUND CONTRIBUTION CHARGE, IF APPLICABLE.		EASTWOOD ROAD - SI
	ANY BROKEN OR MISSING SIDEWALK PANELS WILL BE REPLACED.		4. THE PLANNING, DEVELOPMENT AND TRANSPORTATION DIRECTOR OR DESIGNEE AND THE CITY LANDSCAPE DESIGNER WILL COORDINATE PLAZA PLANTINGS AND	th	ne Land Development Code f onditions stated below.
	ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT OF WAY ARE TO BE MAINTAINED BY THE PROPERTY OWNER.		STREETLIGHT LOCATIONS TO MINIMIZE THE OBSTRUCTION OF LIGHT BY VEGETATION.		he use and development of t
9.	ALL PARKING STALL MARKINGS AND LANE ARROWS WITHIN THE PARKING AREAS SHALL BE WHITE.		5. ALL STREET LIGHTS SHALL BE INSTALLED WITHIN THE PUBLIC ROW.		upplemental regulations and evelopment Code or any oth
	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.		FLOOD NOTE THE SUBJECT PARCEL IS NOT LOCATED WITHIN A 100-YEAR FLOOD ZONE AS INDICATED BY		rdinance or regulation. In the equirement or higher standard
11.	INSTALL REFLECTORS PER CITY AND NCDOT STANDARDS.		FEMA FLOOD ZONE PANEL 3720314700K BEARING AN EFFECTIVE DATE OF AUGUST 28, 2018.		, for any reason, any conditio r if the applicant should fail to
	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	то	UTILITIES WATER AND SEWER UTILITIES WILL BE PROVIDED BY CFPUA.	а	pproval of the site plan for the nd proceedings shall be insti
	AND APPROVAL PRIOR TO THE RECORDING OF THE PLAT.		STREETYARD NOTES		oning classification.
13.	CONTACT TRAFFIC ENGINEERING AT 341-7888 FORTY-EIGHT (48) HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT OF WAY.		PROPOSED STREET (SECONDARY STREETYARD): 25 NEW SPACES ARE PROVIDED; UDO SEC		he use and development of t lan and elevations as submit
14.	TRAFFIC ENGINEERING MUST APPROVE OF PAVEMENT MARKING LAYOUT PRIOR TO ACTUAL STRIPING.		18-510 REQUIRES FULL OR $\frac{1}{2}$ STREETYARD REQUIRED PLANTING IN STREETYARD (280 LF STREET FRONTAGE/ 100 LF x12 = 3360 / 2= 1680 /		pproval of this special use per final states of the site plan. All Technical I
ΡΙΔ	NT SCHEDULE		600=2.8):	fc	blowed prior to issuance of a pproval.
TREES	BOTANICAL NAME / COMMON NAME QTY			N	/ /
م م م	اللعد X ATTENUATA 'FOSTER NO. 2' / FOSTER HOLLY 8` HT. MIN; MATCH EXISTING 10		1 CANOPY (3 UNDERSTORY TREES = 1 CANOPY TREE) X 2.8 = 3 CANOPY TREES REQ'D 6 SHRUBS X 2.8 = 17 SHRUBS	RESIDENTA	(5) FH
la la	لرم QUERCUS MARILANDICA / BLACKJACK OAK 2"-2.5" CAL 5		PROVIDED:		
) QUERCUS MARIEANDICA / BEACKJACK OAK		EQUIVALENT OF 3 CANOPY TREES; 6 EXISTING UNDERSTORY TREES TO BE TRANSPLANTED TO STREETYARD, 1 ADDITIONAL CANOPY TREE ADDED; 17 SHRUBS	/	
SHRUBS	BOTANICAL NAME / COMMON NAME QTY		EXISTING EASTWOOD RD STREETYARD STREET: 18' WIDE UNDER POWERLINES; CONTAINS 16	/ / ·	
Ć	ILEX VOMITORIA 'BORDEAUX' / DWARF YAUPON HOLLY 3 GAL / 12" H. (MIN.) 61		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)	IIT IITIIT IIT	
بىر ب	ILEX VOMITORIA 'SCHILLINGS DWARF' / DWARF SCHILLINGS HOLLY 3` HT. AT INSTALL 32		TO COMPLY WITH CODE, 14 ADDITIONAL UNDERSTORY TREES AND 10 SHRUBS PROVIDED	24W — 24	4W 24W 24W 24W
	ROPOSED PLANTS ARE XERISCAPE PLANTS USED FOR DROUGHT TOLERANCE	/ 2 F'	EXISTING DAYLILIES & TREES FROM —		5
	COPOSED FLANTS ARE AERISCAPE FLANTS USED FOR DROUGHT TOLERANCE		(TYP.) PEDESTRIAN ACCESS	STREET	YARD INSET - EASTWOOD = 60'
LIST	OF WAIVERS		(1) BJO (6) DYH		
1.	Approval of waiver from the minimum tangent	χ	EXISTING		
	ength due to the constraints created by the signal alignment and roundabout approach. EXISTING DAYLILIES & TREES FROM EXISTING PARKING ISLANDS TO REMAIN;		EXISTING FIRE HYDRANT (TYP.)	WILMING	GTON
	Approval of waiver from the minimum horizontal PROPOSED PAVEMENT (TYP.)	\times	TRANSPLANT 2 EXISTING CRAPE MYRTLES FROM	1 1 1	BJO(1)
	The necessary connection of the St. Mark STRIPING AS SHOWN		REALIGNED ENTRY ROAD TO THIS LOCATION		
	PROPOSED 5' CONCRETE SIDEWALK BJO(1) DYH(1 Approval of waiver from the minimum median width due to the need to connect to the existing TRANSPLANT 2 EXISTING CRAPE	(12)	TSD(32)	ر بر	
I	right-of-way, maintain the sidewalk and MYRTLES EXISTING FROM MEDIAN	W			
	nulti-use path, and restrict left turns. TO THIS LOCATION Approval of waiver from the standard 18' WIDE STREETYARD (5) DYH				
	cross-section for a collector street due to variation required to connect to the new traffic	2+00	3 - 13top 3P		
\$	signal and the transition to the roundabout.	. W.	135R 12 2 C REMNANT LOT AREA		6
	EASTWOOD ROAD STREETYARD - SEE STREETYARD INSET	0.	4,188SF (0.096AC)	60R	-M
	TING TREE TO REMAIN; WORK	0			
SIDEWA	LK AROUND TREE AS NEEDED TRANSPLANT 2 EXISTING	PINE 8	PROPOSED CONCRETE MEDIAN, WIDTH VARIES		
	CRAPE MYRTLES TO CHURCH'S SIDE OF ENTRY	,	CITY OF WILMINGTON MILDRED LACKE' COMMERCIAL DRIVEWAY		
	DRIVE AS SHOWN		D.B. 1635-1000 ZONING: R-10 STOPPING SIGHT DISTANCE	(\-9	
	12 38R 11 PROPOSED SIGNA		LAND USE: RESIDENTIA ON APPROACH (TYP.)	SNIA PLE	ROAD 'B'
	DISPLAY: "NO OUT SEE SHEET C-5.2	ITLET".			4 700 2 3
					11+00 P
			& ESTER GMAN A R 21/280 BASTWOOD VILLAGE CURB & GUTTER BECTION 9R PROPOSED C.O.W. 24" MEDIAN	13	- 50%
		D.B. 52	282-2347 VERTICAL CURB & GUTTER		
			NG: R-10 RESIDENTIAL		
2			STING 5'		
<u>R:</u>	TIE INTO PROPOSED NCDOT EASTWOOD ROAD IMPROVEMENTS.	CON	ICRETE SIDEWALK	/ /	
٠			- PROPOSED C.O.W. / NCDOT ROADWAY IMPROVEMENTS RIGHT-OF-WAY (TYP.)		~~~~
	SIDEWALK AND CURB RAMPS		BY OTHERS		
. "	NCDOT EASTWOOD ROAD ⁶ IMPROVEMENTS.	$\langle \rangle$	PROPOSED TREE		
	LANDSCAPE NOTES:	$\langle \langle \mathbf{N} \rangle$	(TYP.)		
	2. TREES SHALL BE LOCATED A MINIMUM OF	OF 5 FEE	NG ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION. ET FROM SEWER/WATER CONNECTIONS OR AS OTHERWISE DICTATED BY E LIARD & E CONDUCTIONS OR AS OTHERWISE DICTATED BY E LIARD & E CONDUCTIONS OR AS OTHERWISE DICTATED BY E LIARD & E CONDUCTIONS OR AS OTHERWISE DICTATED BY SUBE THEY CAN HANDLE THE NEW PROJECT	NTRACTO	R SHALL USE WELL WATER AND
	3. STAKE ALL TREES AS SHOWN IN DETAIL O	OR AS C	E LIABLE FOR DAMAGE TO ANY AND ALL PUBLIC OR PRIVATE UTILITIES. OTHERWISE DIRECTED BY OWNER OR OWNER'S REPRESENTATIVE. NT VERSION OF THE AMERICAN ASSOCIATION OF NURSERYMEN'S NT VERSION OF THE AMERICAN ASSOCIATION OF NURSERYMEN'S	,	
	STANDARDS. 5. NO EXISTING TREES SHALL BE REMOVED V OWNER'S REPRESENTATIVE OF AS APPRO	D WITHC	POSSIBLE. OUT WRITTEN AUTHORIZATION FROM THE LANDSCAPE ARCHITECT, 14. THE CONTRACTOR IS RESPONSIBLE FOR HAN	ND WATER	RING THE INSTALLED PLANT MAT
	h open utility cut of FENCING SITE REVIEW. eets, a \$325 permit 6. SET ALL TREES IN 5' MINIMUM DIAMETER F	R PINE S	STRAW MULCH BED. MATERIAL INCLUDING TURF AREAS SHALL BE THRIVING PLANTS.	HAND WA	ATERED ONCE WEEKLY OR AS N
shall be City p	e required from the rior to occupancy Know what's below. 7. ALL SHRUB BEDS AND/OR PLANTING AREA 4 INCH MAXIMUM DEPTH PINE STRAW MUL 8. PLANTING SOIL MIX: MIX EXISTING SOIL W	ULCH UN	CLUDING SEEDED AREAS SHALL BE MULCHED WITH 3 INCH MINIMUM AND 15. CONTRACTOR SHALL PLANT STREET TREES A CONDITIONS INCLUDING THE LOCATIONS OF I CONDITIONS INCLUDING THE LOCATIONS OF I CONDITIONS INCLUDING THE LOCATIONS OF I PLAN		
and/or	Droject acceptance. RECOMMENDED BY THE SOIL TESTING LAB AGRICULTURE OR AS OTHERWISE APPROV	ABORAT	TORY, THIRD PARTY RECOGNIZED BY THE STATE DEPARTMENT OF BY THE LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE. 16. ALL LANDSCAPE PLANTINGS WILL BE COMPLI REQUESTS ADDITIONAL PLANTINGS WITHIN S	IGHT TRIA	
	WATER CAPACITY:GPD REPRESENTATIVE. FAILURE IN OBTAINING 10. THE CONTRACTOR SHALL REPLACE DEAD	NG APPF AD AND/(RIAL SHALL BE APPROVED BY LANDSCAPE ARCHITECT OR OWNER'S PROVAL MAY RESULT IN LIABILITY TO THE CONTRACTOR. PROVAL MAY RESULT IN LIABILITY FOR THE CONTRACTOR. PROVAL MAY RESULT. PROVAL	DISTANCE	8-556 OF THE CITY OF WILMINGT
	DWQ SEWER PERMIT #: OF THE INSTALLED MATERIAL FROM THE CONTRACTOR SHALL PREPARE ALL T SEWER CAPACITY:	OWNER TURF A		S INTERF	ERE WITH OTHER REQUIRED BU
SE	WER SHED # AND PLANT: IS FREE OF DIVOTS, HOLES, AND DEBRIS V SOIL SETTLING OCCURS TO ASSURE SMOO	-			

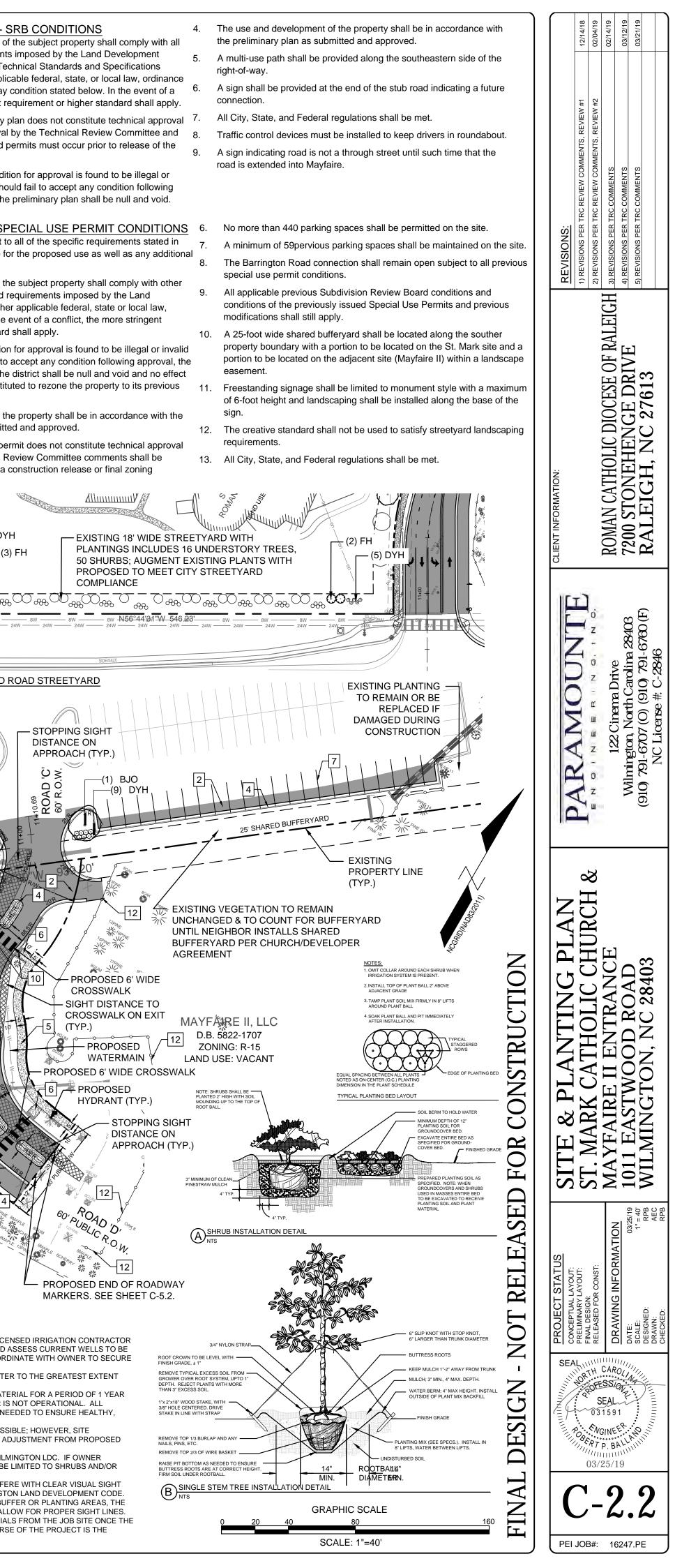
12. CONTRACTOR SHALL REVIEW WITH AND INSTALL IRRIGATION AS REQUIRED BY OWNER. IF A SYSTEM IS NEEDED, A 2 CONTRACTOR'S RESPONSIBILITY.

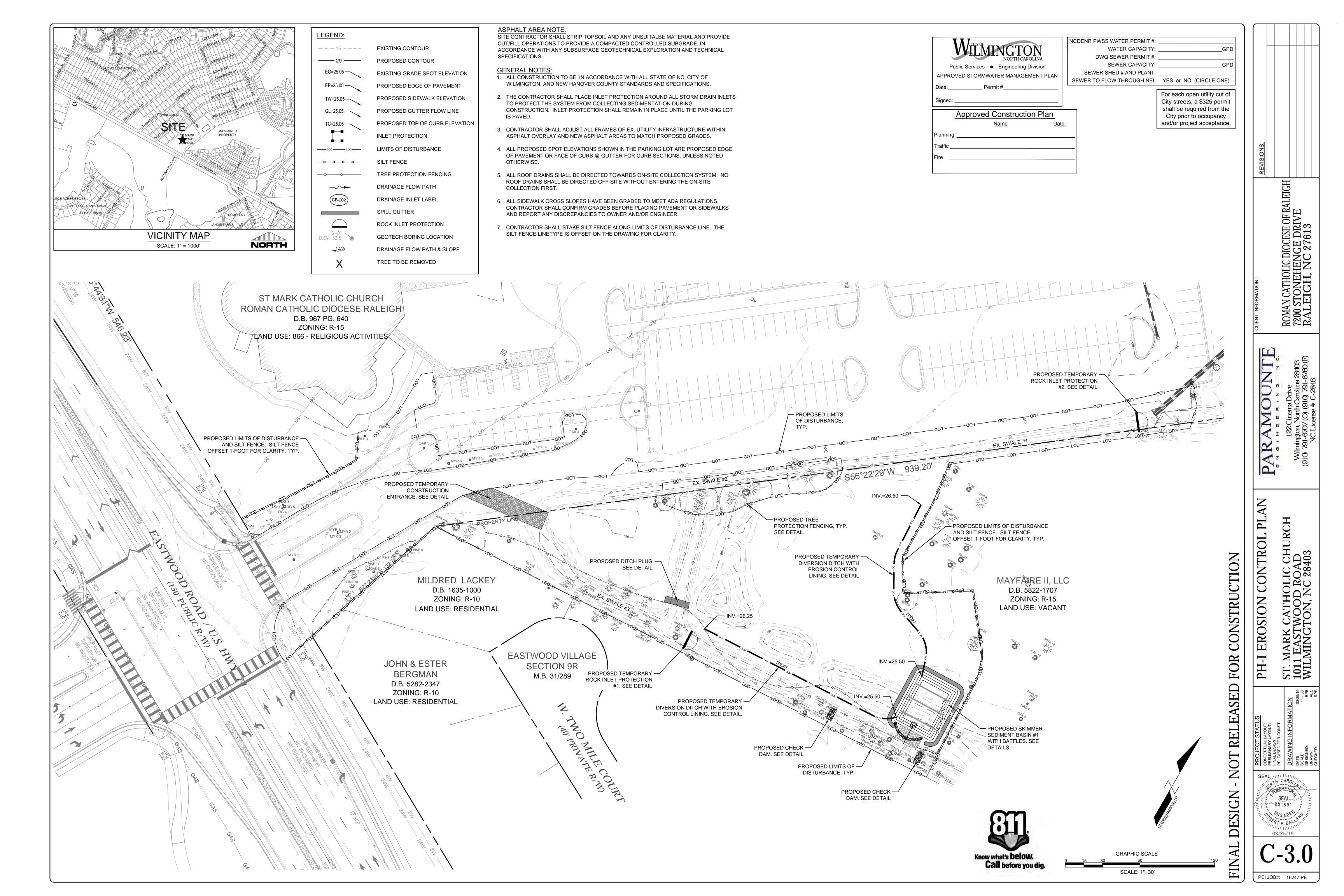
NCDENR PWSS WATER PERMIT #: _	
WATER CAPACITY:	GPD
DWQ SEWER PERMIT #:	
SEWER CAPACITY:	GPD
SEWER SHED # AND PLANT:	
SEWER TO FLOW THROUGH NEI:	YES or NO (CIRCLE ONE)

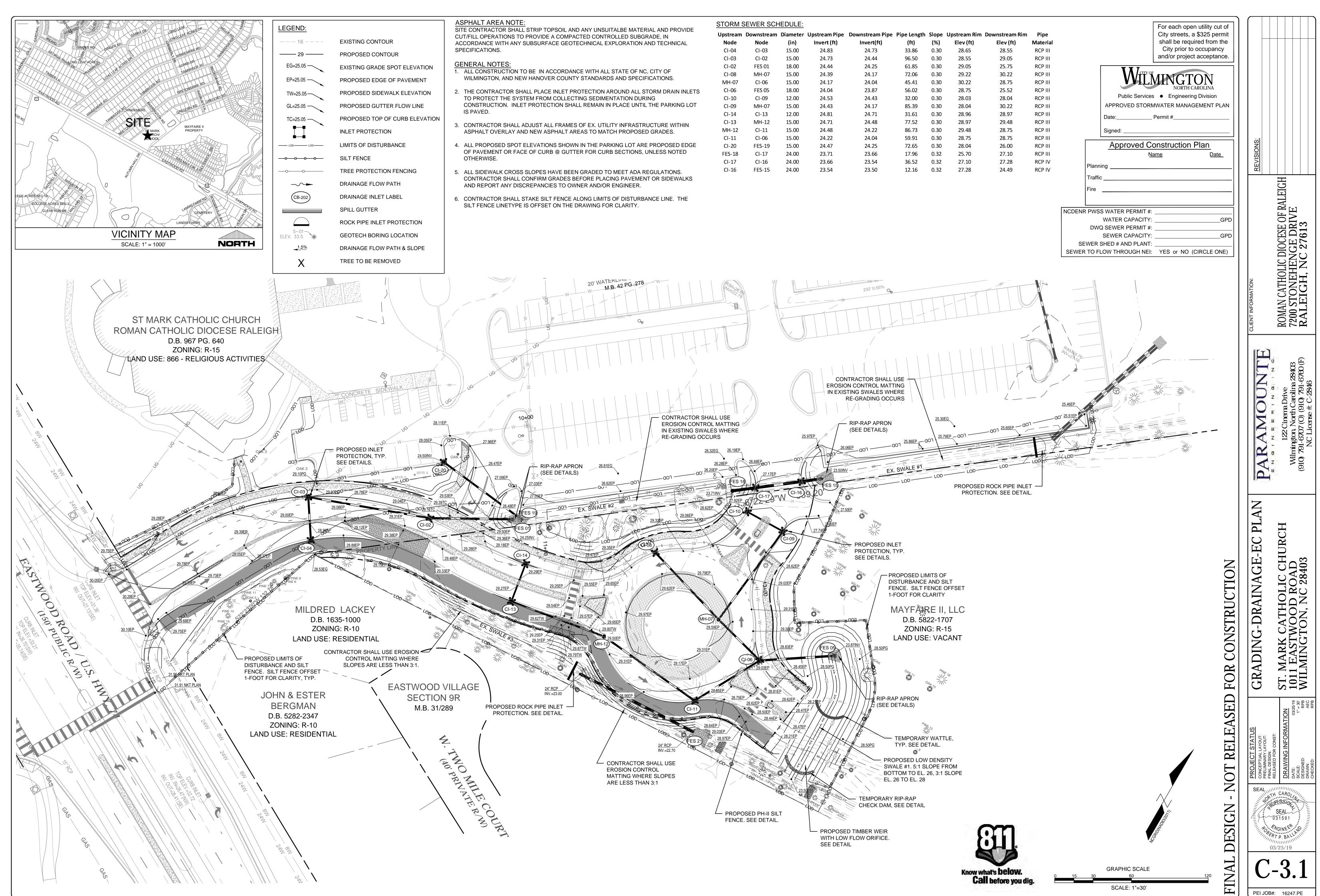
Public Services

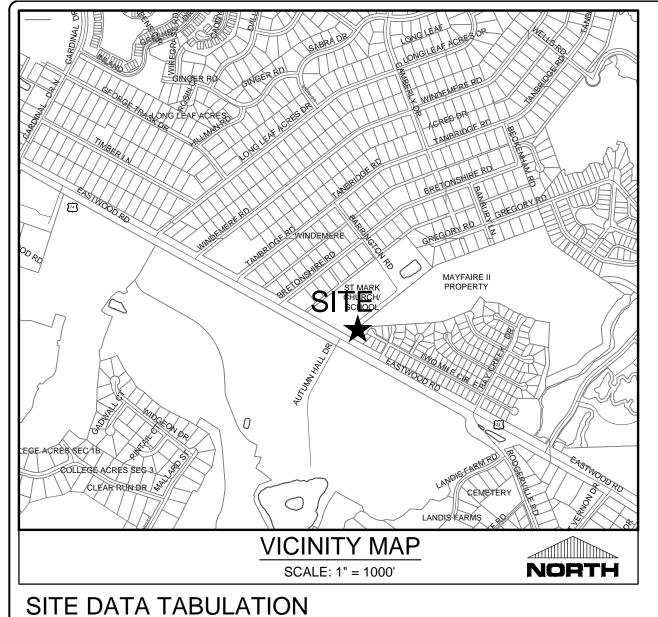
Engineering Division APPROVED STORMWATER MANAGEMENT PLAN Traffic

Permit #









1) MAYFAIRE II LLC

RALEIGH, NC 27613

1011 EASTWOOD ROAD

WILMINGTON, NC 28403

1) 39.49 ACRES (1,720,180 SF)

WATERSHED RESOURCE PROTECTION

2) 12.28 ACRES (534,917 SF)

R-15 (BOTH PARCELS)

ROADWAY & CHURCH

ROADWAY & CHURCH

1) R05000-003-012-000 2) R05000-003-006-001

1) BK 5843, PG 1291

2) BK 967, PG 640

GREENVILLE, NC 27858

7200 STONEHENGE DRIVE

530 S.E. GREENVILLE BLVD, STE 200

2) ROMAN CATHOLIC DIOCESE OF RALEIGH

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.
- 3. 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.

EXISTING FIRE HYDRANT

PROJECT ADDRESS:

LAND OWNERS:

TAX PARCEL IDENTIFICATION #:

RECORDED DEED BOOK:

TOTAL SITE AREA:

CURRENT ZONING: CAMA LAND USE CLASSIFICATION: EXISTING LAND USE: PROPOSED LAND USE:

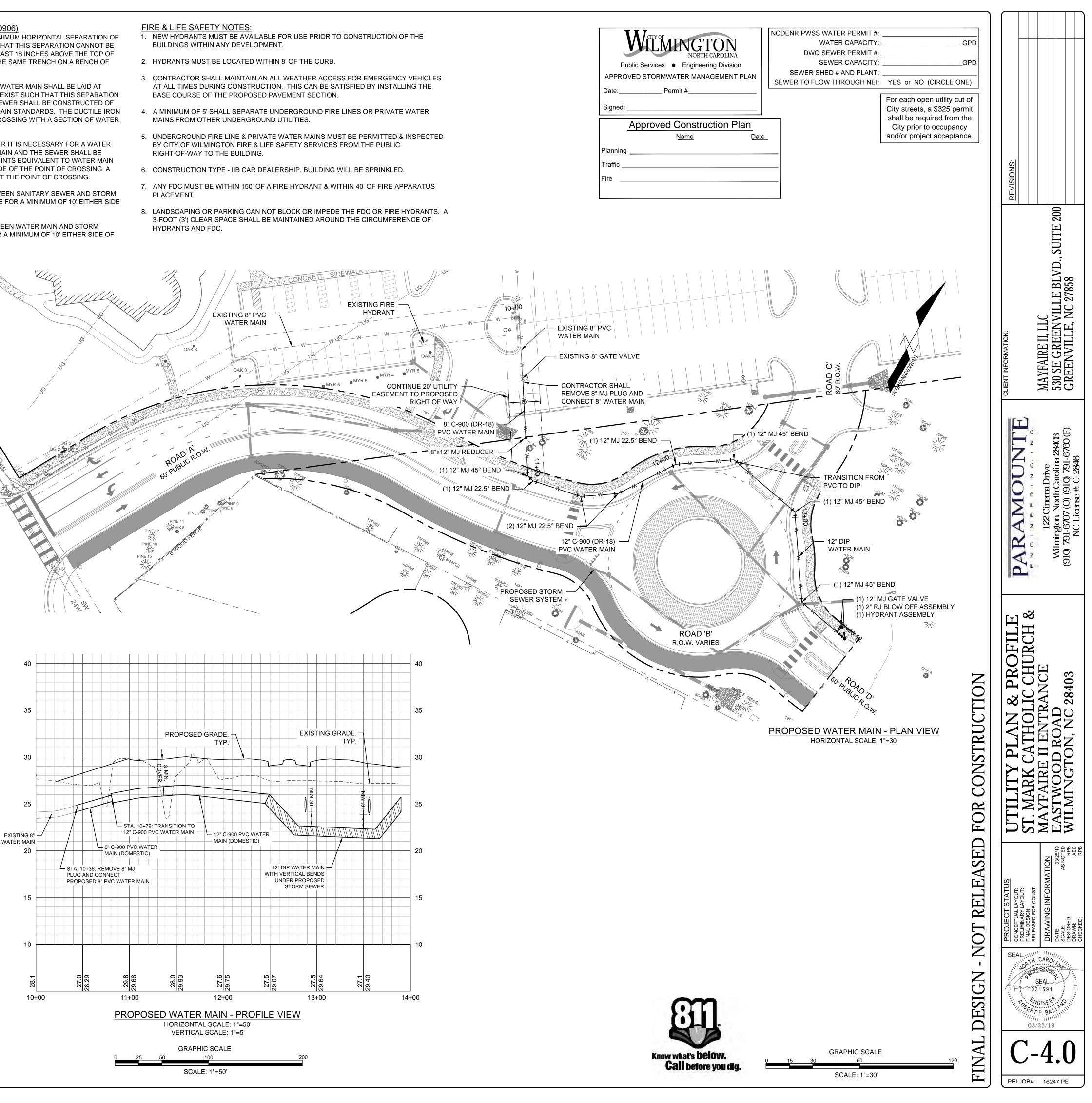
UTILITY INFORMATION

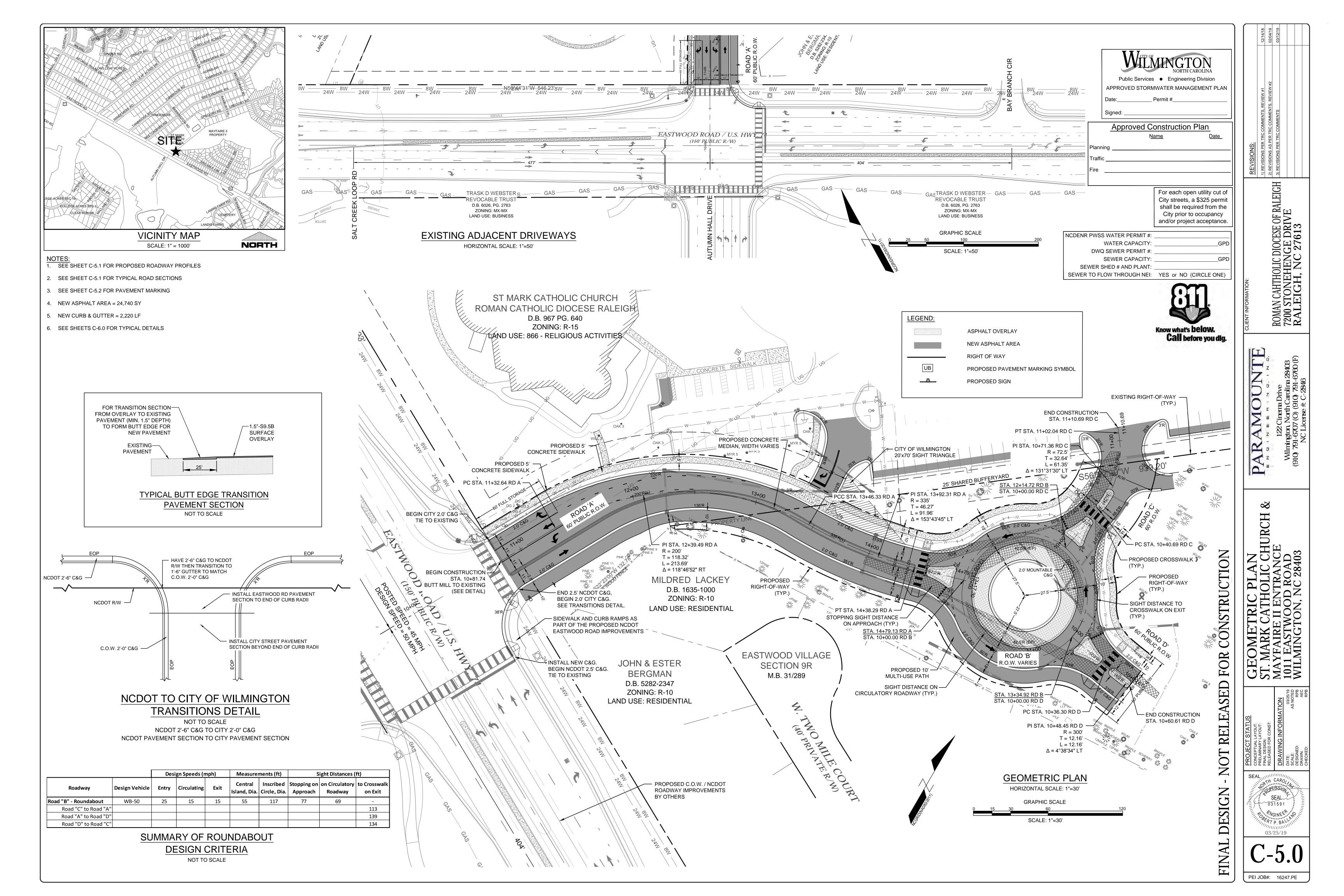
CONTRACTOR SHALL INSTALL WATER MAIN IN ACCORDANCE WITH CFPUA STANDARD DETAILS AND SPECIFICATIONS.

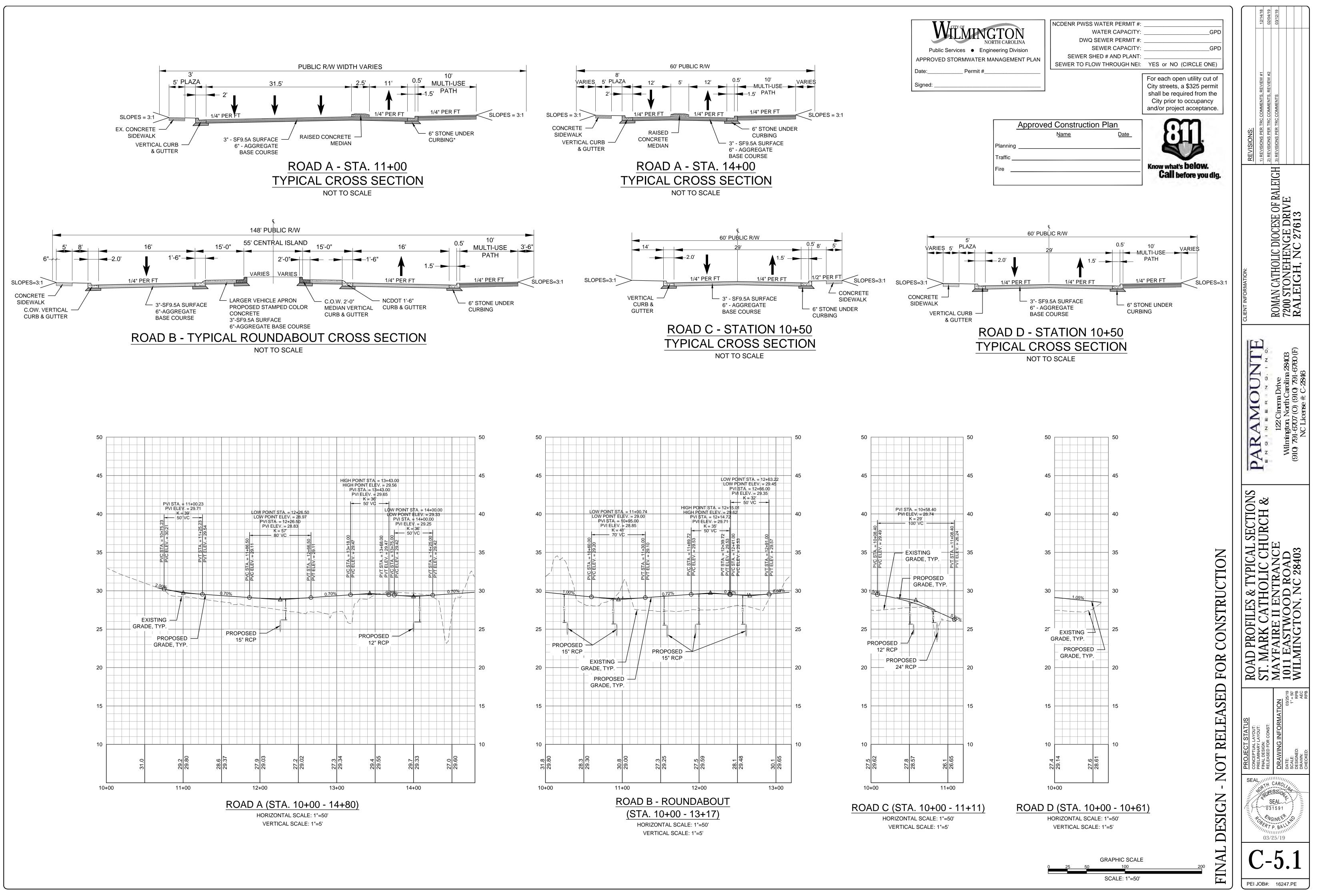
WATER

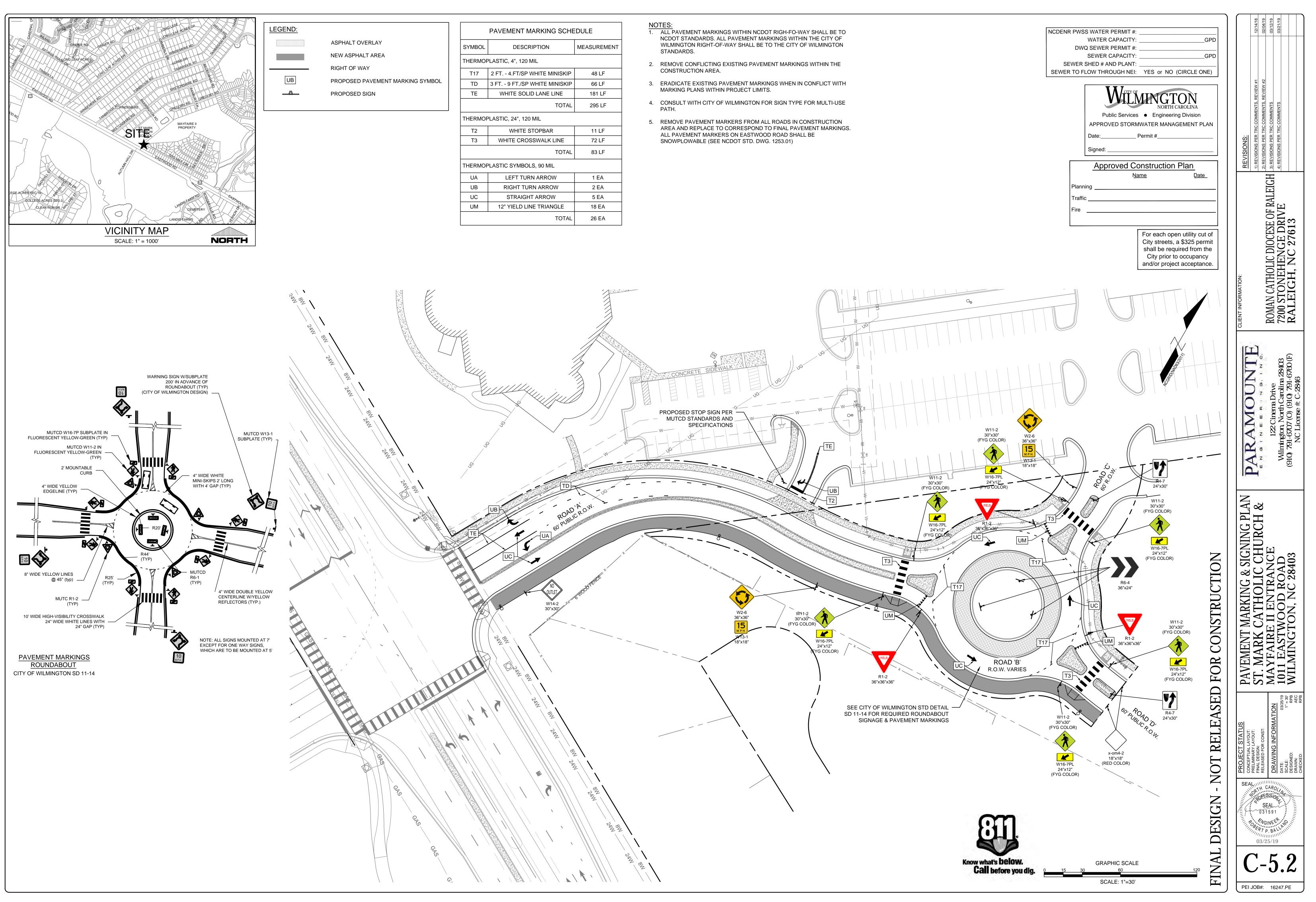
THIS PROJECT WILL CONNECT TO EXISTING 8" WATER MAIN LOCATED ON ST. MARK'S CATHOLIC CHURCH PROPERTY. THIS PROJECT IS CONSTRUCTING AN 8-INCH AND 12-INCH WATER MAIN FOR FUTURE SERVICE TO THE ADJACENT PROPERTY. DOMESTIC WATER ALLOCATION PROVIDED BY CFPUA.

- BUILDINGS WITHIN ANY DEVELOPMENT.
- AT ALL TIMES DURING CONSTRUCTION. THIS CAN BE SATISFIED BY INSTALLING THE
- MAINS FROM OTHER UNDERGROUND UTILITIES.
- BY CITY OF WILMINGTON FIRE & LIFE SAFETY SERVICES FROM THE PUBLIC RIGHT-OF-WAY TO THE BUILDING.
- PLACEMENT.
- 3-FOOT (3') CLEAR SPACE SHALL BE MAINTAINED AROUND THE CIRCUMFERENCE OF HYDRANTS AND FDC.

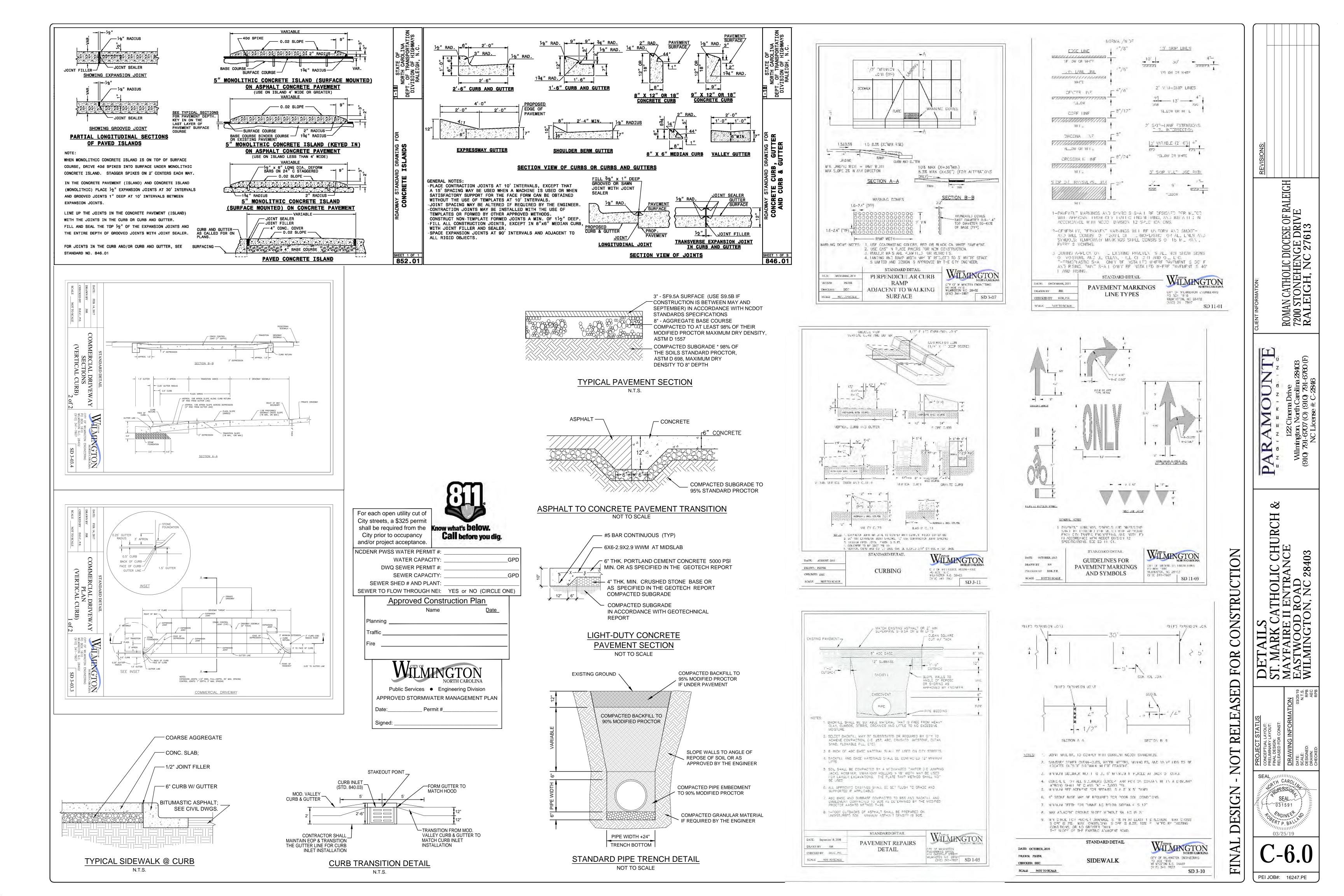


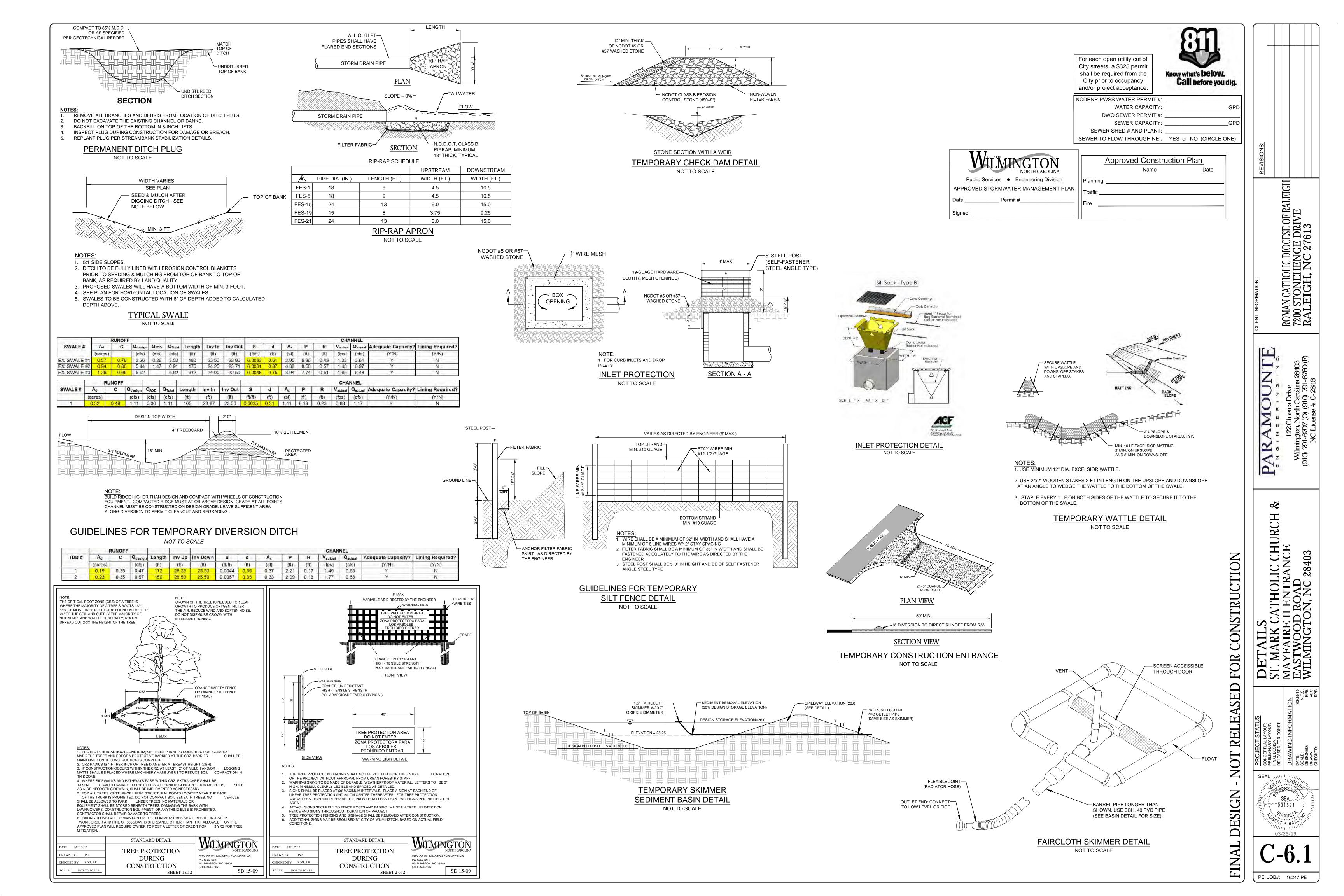


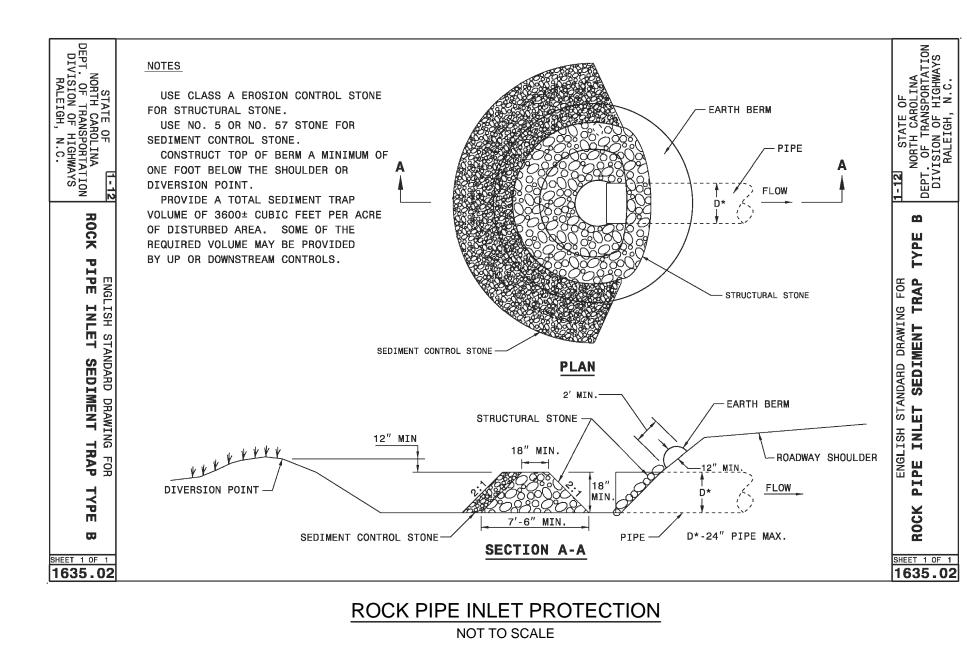




PAVEMENT MARKING SCHEDULE						
SYMBOL DESCRIPTION MEASUREMENT						
THERMOPLASTIC, 4", 120 MIL						
T17	2 FT 4.FT/SP WHITE MINISKIP	48 LF				
TD 3 FT 9 FT./SP WHITE MINISKIP 66 LF						
TE WHITE SOLID LANE LINE 181 LF						
	TOTAL 295 LF					
THERMOR	PLASTIC, 24", 120 MIL					
T2	WHITE STOPBAR	11 LF				
T3 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				







BAFFLES 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 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:

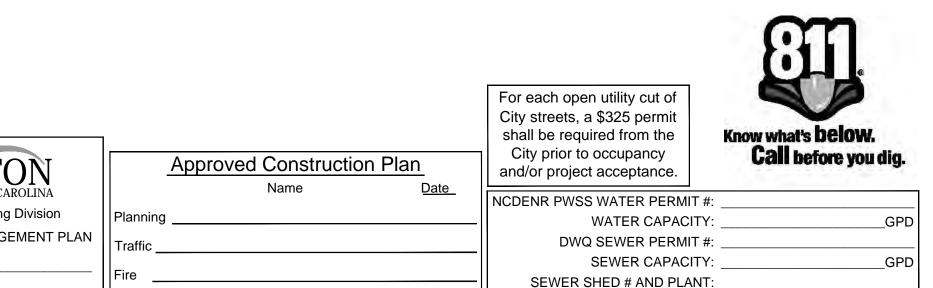
Porous baffles shall be installed inside all temporary sediment traps, rock dams, skimmer basin or sediment basins to reduce the velocity and turbulence of the water flowing through the measure, and facilitate the settling of sediment from the water before discharge.

						NOTES:	
						ACROSS THE ENTIRE	
Surface Area	Length	Inlet Area	Chamber 1	Chamber 2	Outlet	Baffle #1	Baffle
(sf)	(ft)	(sf)	Area (sf)	Area (sf)	Area (sf)	(Distance from End) (ft)	(Distance from
1.417	50	354	354	354	354	13	25

EXISTING GRADE

OUTLET, CLASS I RIPRAP —

BAFFLE DETAIL NOT TO SCALE

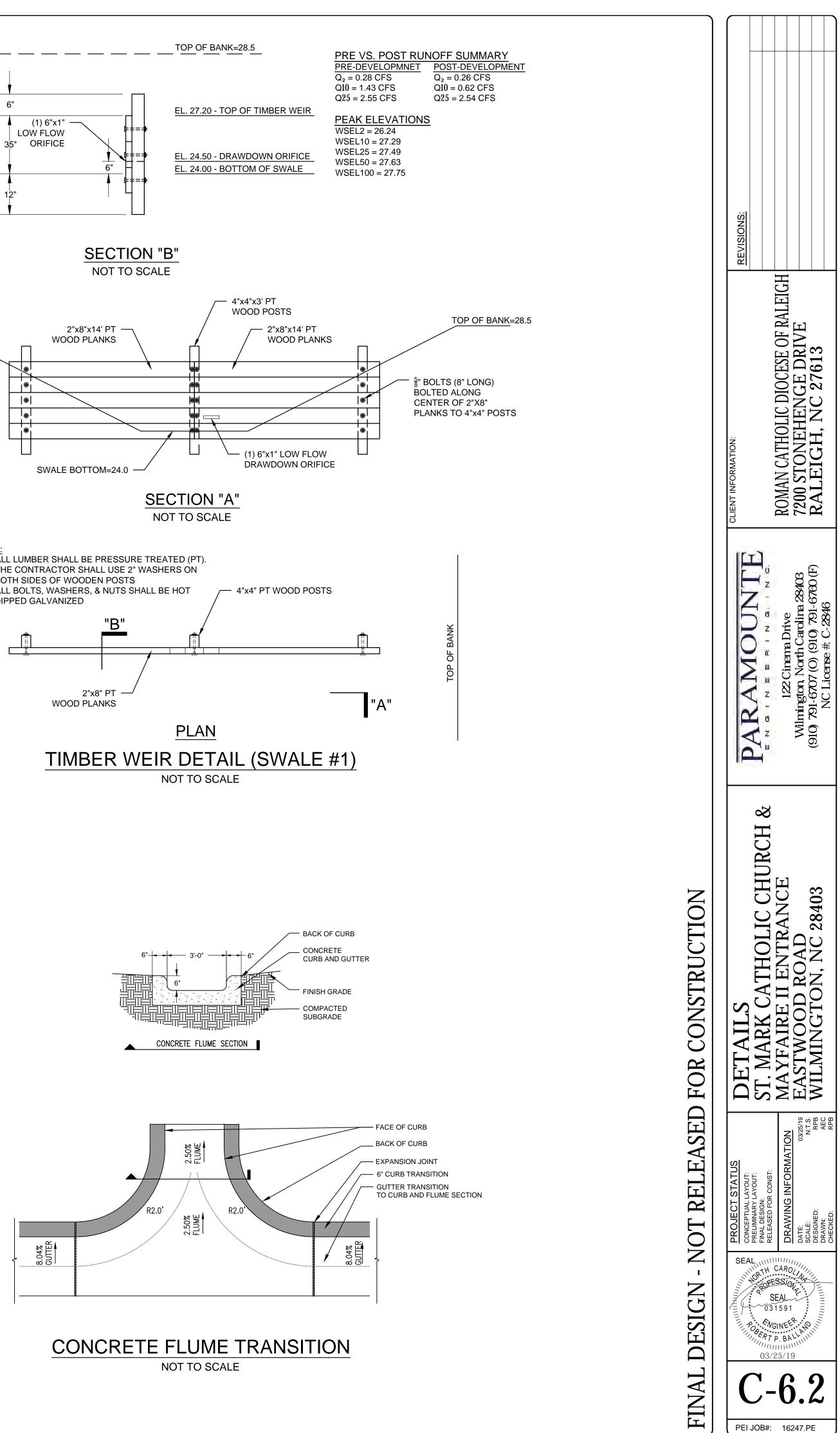


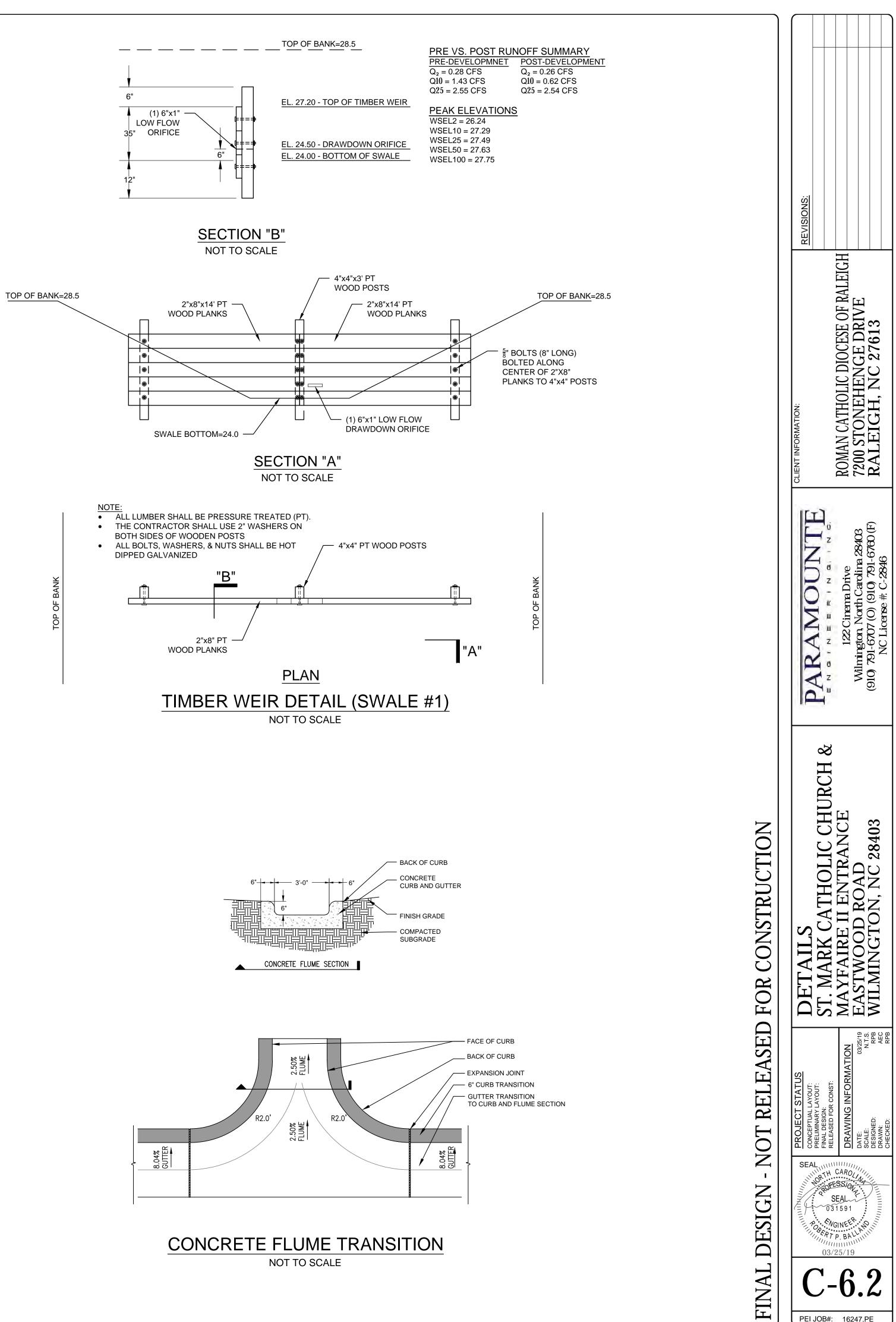
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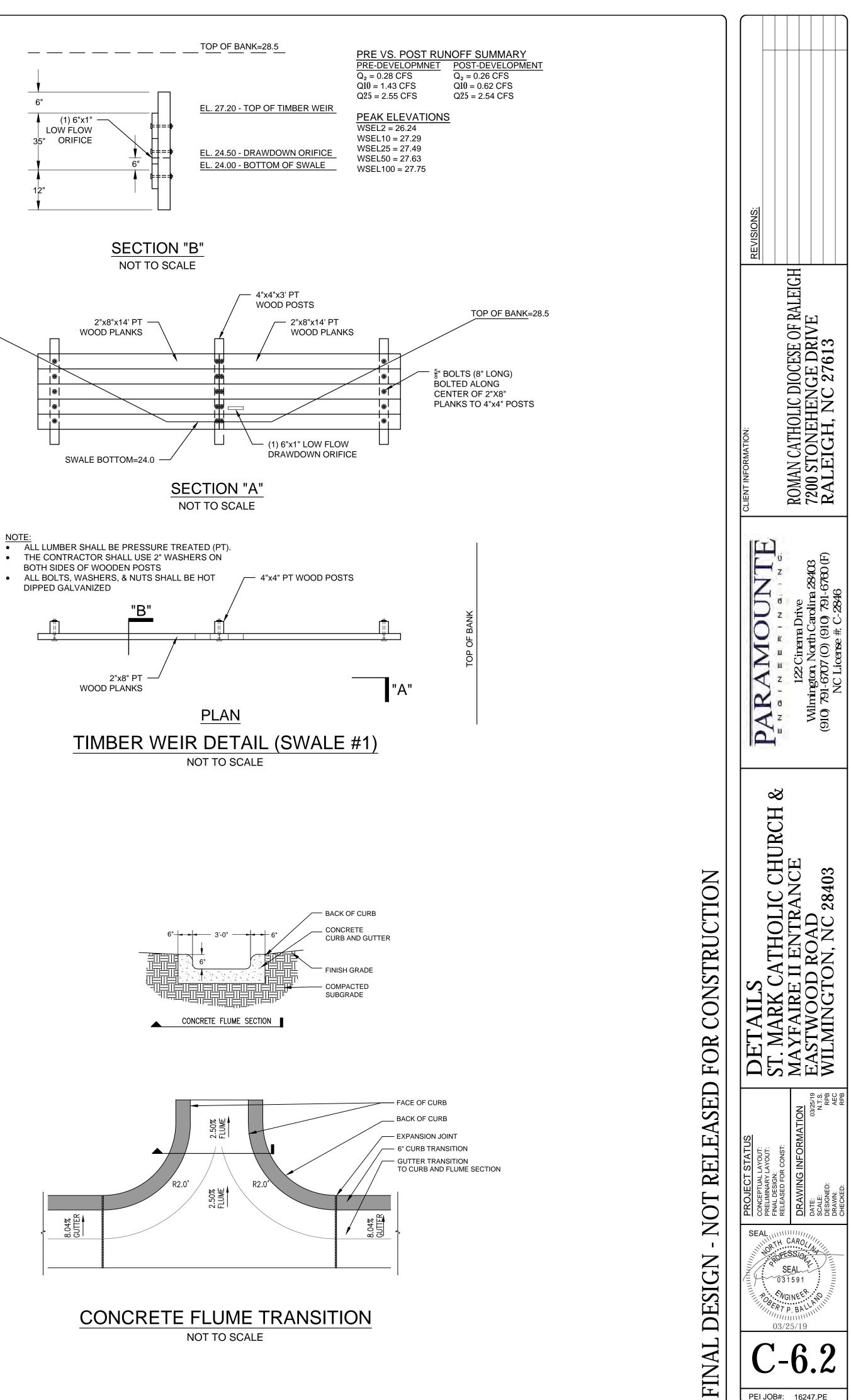
Public Services

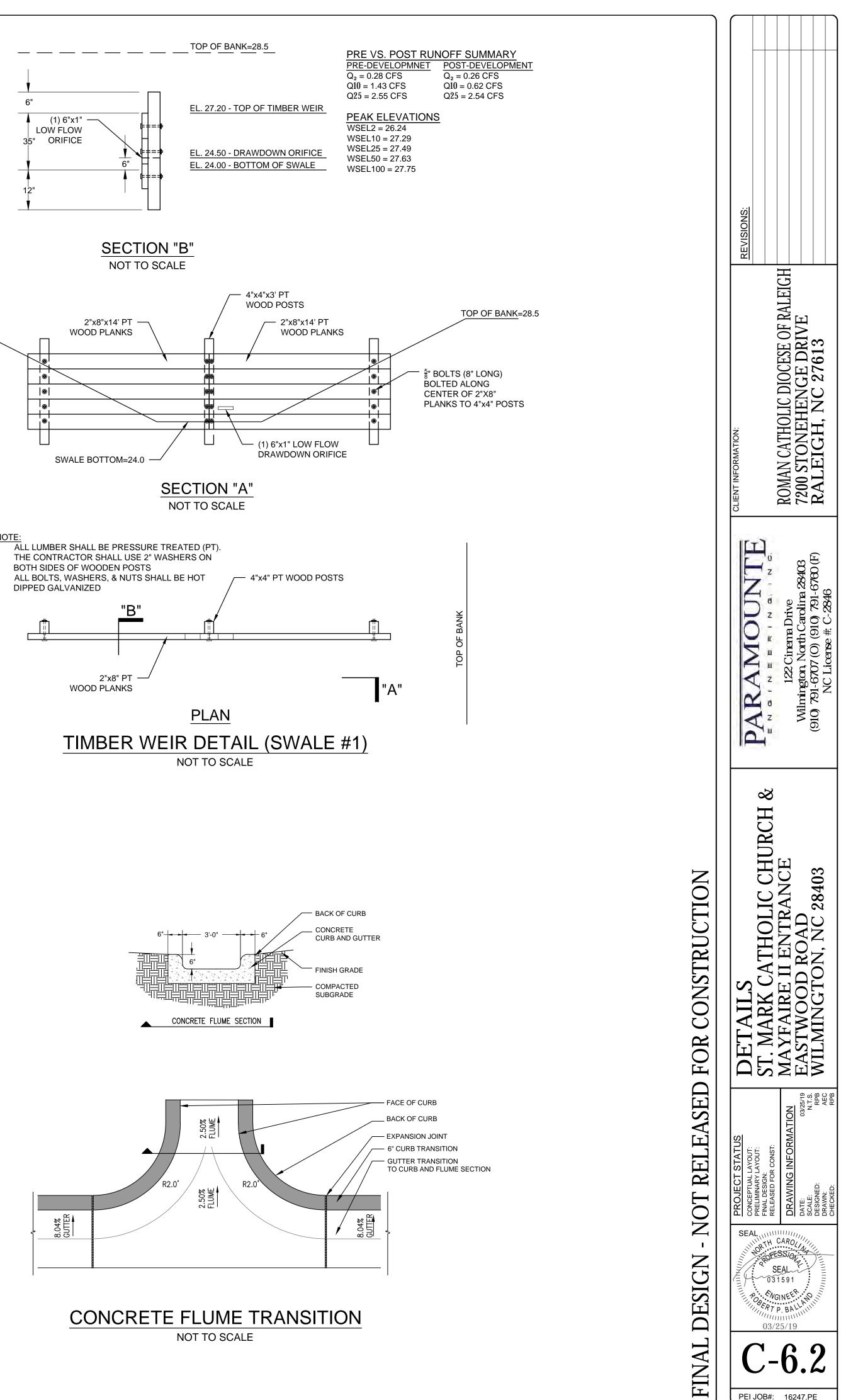
Engineering Division APPROVED STORMWATER MANAGEMENT PLAN

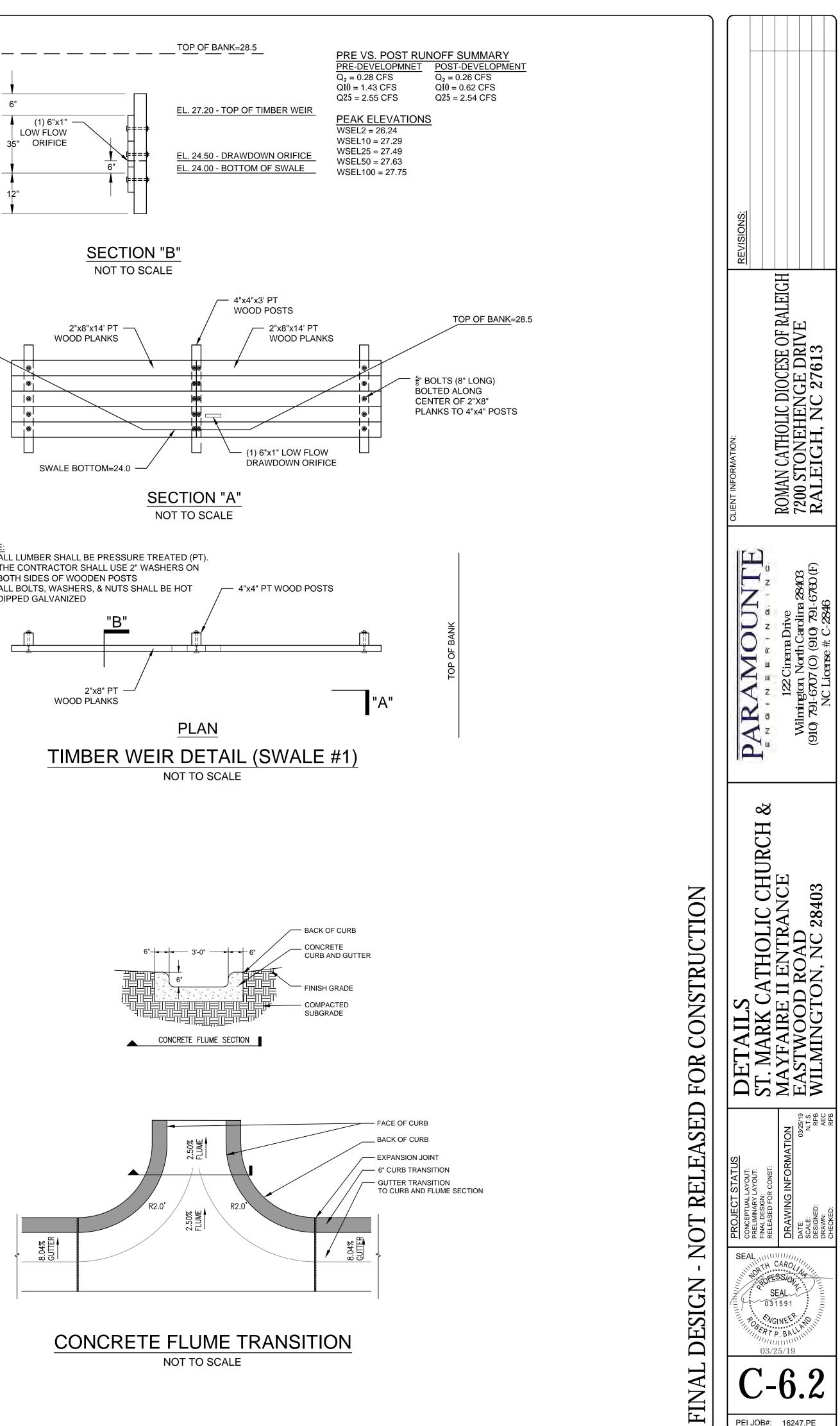
Permit #

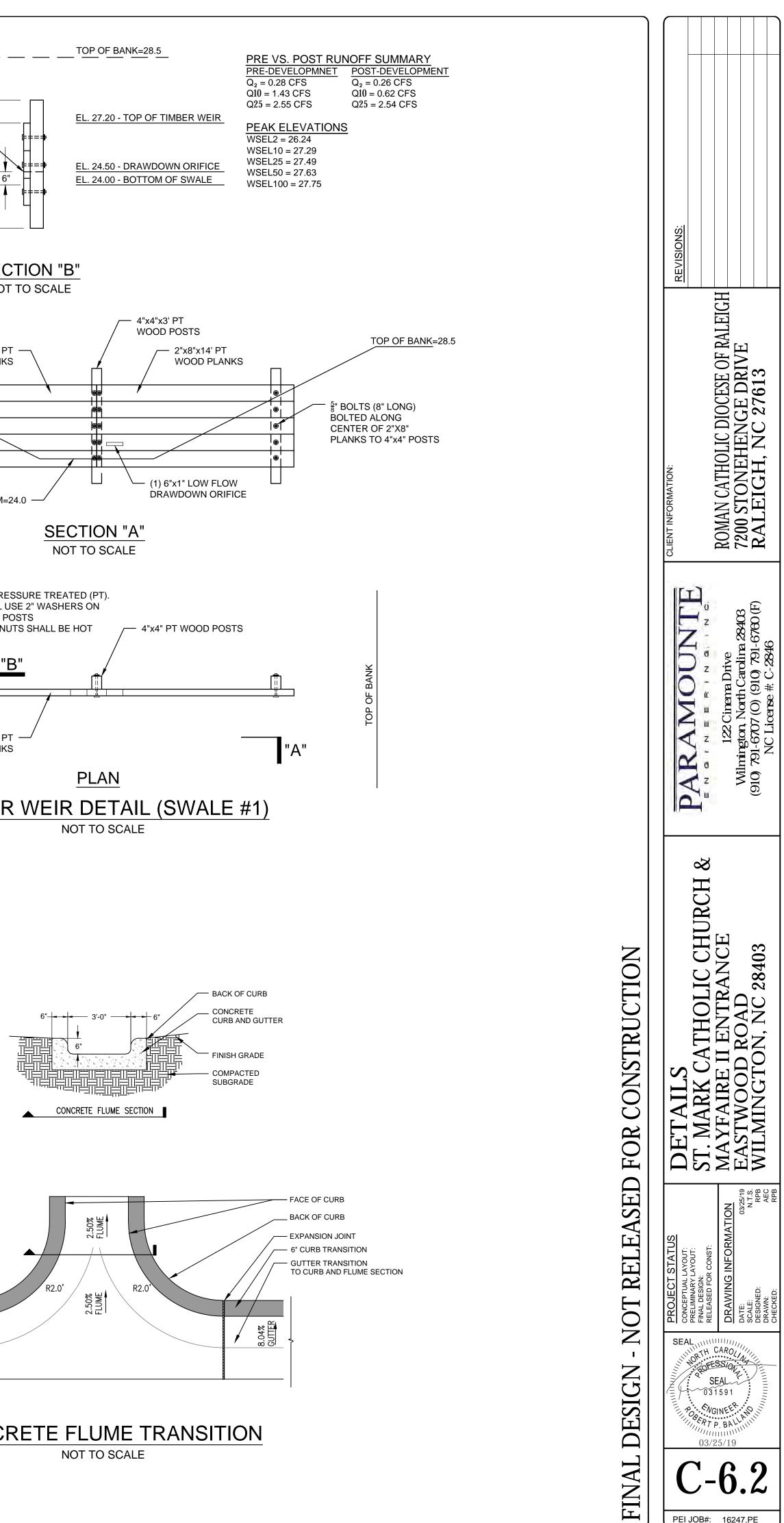


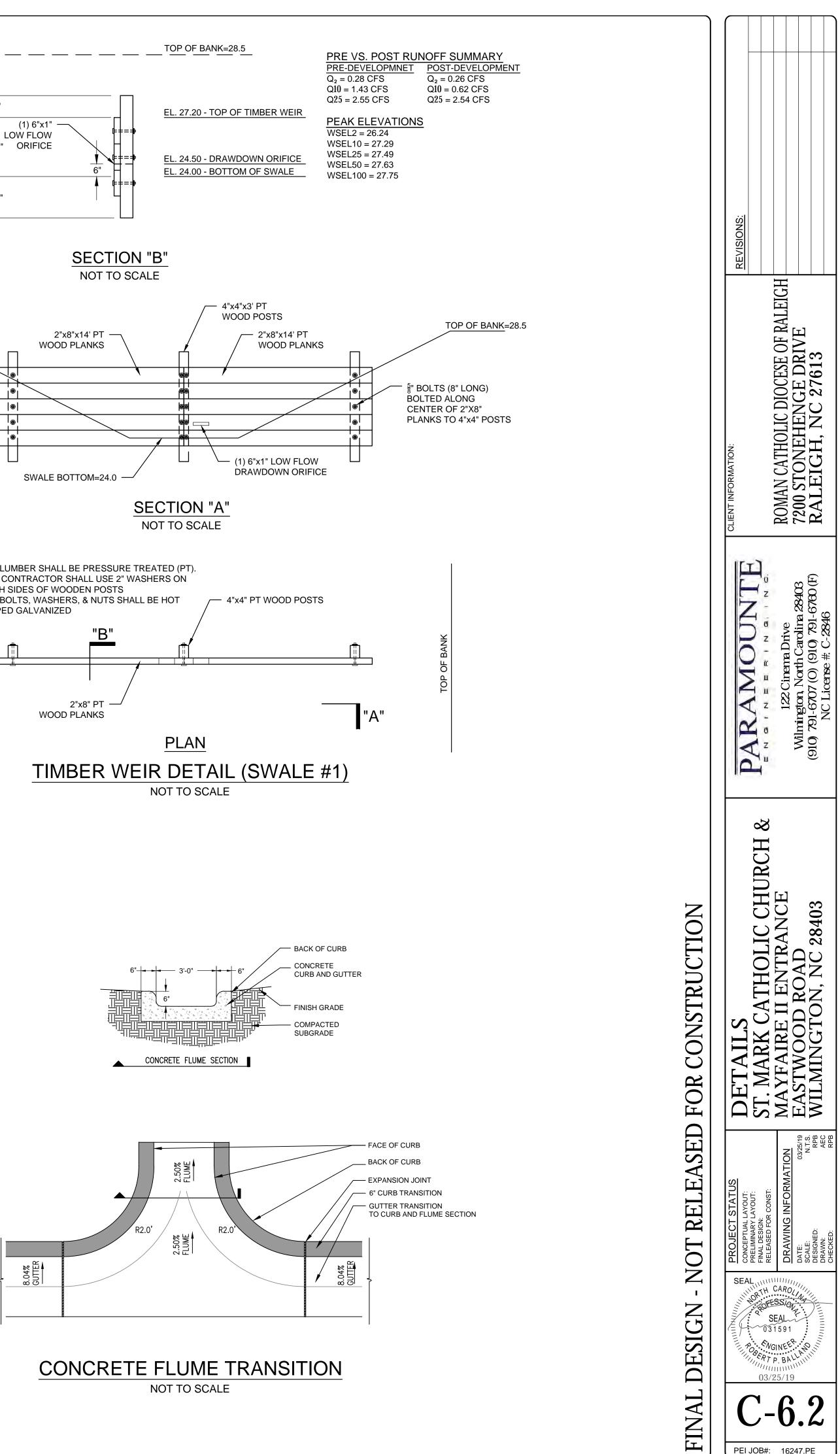




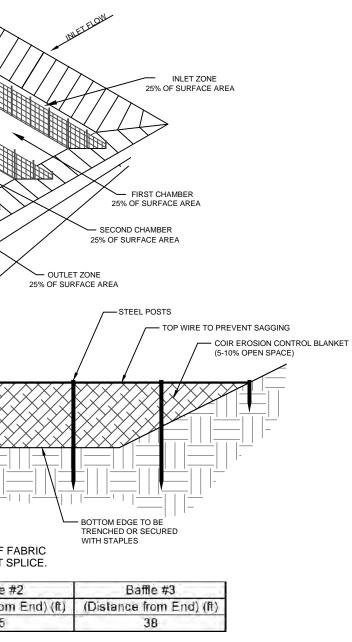








		0.07	A .4
Drainage Area (5	Ac. Max.) =	0.27	AC.
Requirements:			
Min. Volume (3,6	00 cf/Ac.) =	972	cf
Provided:			
Basin Volume:		1	
Contour	Contour Area (SF)	Incremental Volume (CF)	Cumulative Volume (CF)
24.0	588	0	0
25.0	1,055	822	822
26.0	1,563	1,309	2,131
Rock Pipe Inlet	Protection #2		
Rock Pipe Inlet Drainage Area (5		0.58	
	i Ac. Max.) =		Ac.
Drainage Area (5 Requirements:	i Ac. Max.) =	0.58	Ac.
Drainage Area (5 Requirements: Min. Volume (3,6	i Ac. Max.) =	0.58	Ac.
Drainage Area (5 Requirements: Min. Volume (3,6 Provided:	i Ac. Max.) =	0.58	Ac.
Drainage Area (5 Requirements: Min. Volume (3,6 Provided: Basin Volume:	i Ac. Max.) = 00 cf/Ac.) = Contour Area	0.58 2,088 Incremental	Ac. cf Cumulative Volume
Drainage Area (5 Requirements: Min. Volume (3,6 Provided: Basin Volume: Contour	i Ac. Max.) = 00 cf/Ac.) = Contour Area (SF)	0.58 2,088 Incremental Volume (CF)	Ac. cf Cumulative Volume (CF)



BAFFLE (TYP.)

EARTHERN

5' CREST WID

- STAKE TO SUPPORT WIRE

EL=6" ABOVE PERMANENT POOL

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



