AMBERLEIGH SHORES - PHASE II

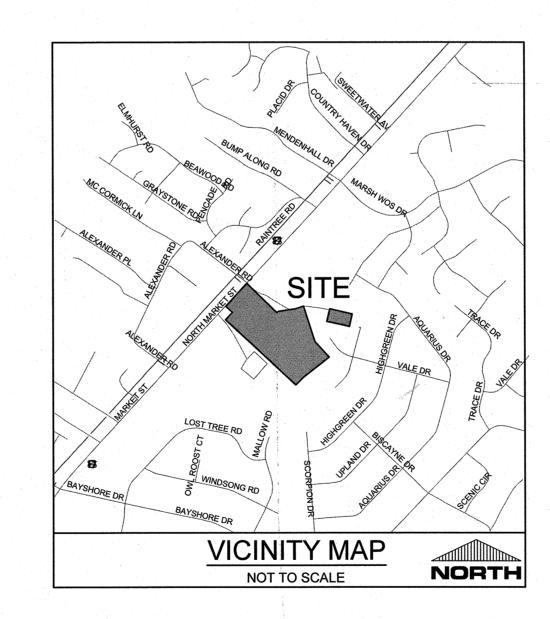
WILMINGTON, NORTH CAROLINA

CIVIL DESIGN DRAWINGS

DECEMBER 2018

FOR

FDC Amberleigh Shores II SPE, LLC 900 Brookstone Centre Parkway Columbus, GA 31904



OWNER/DEVELOPER: FLOURNOY DEVELOPMENT COMPANY, LLC 900 BROOKSTONE CENTRE PARKWAY

900 BROOKSTONE CENTRI COLUMBUS, GA 31904 PHONE: (706) 243-9476 ATTN: LUKE ADDISON

CIVIL ENGINEER:

PARAMOUNTE ENGINEERING, INC.

122 CINEMA DRIVE

WILMINGTON, NORTH CAROLINA 28403

ATTN: JEREMY BLAIR, PE

PHONE: (910) 791-6707

SURVEYOR:

PARAMOUNTE ENGINEERING, INC.

122 CINEMA DRIVE

WILMINGTON, NORTH CAROLINA 28403

ATTN: CHRIS GAGNE, PLS

PHONE: (910) 791-6707

LANDSCAPE ARCHITECT:

MULTIFAMILY LANDSCAPE DESIGN ASSOCIATES, LLC
P.O. BOX 1968

WOODSTOCK, GA 30188

ATTN: STEVE MIDDENDORF
PHONE: (678) 764-8482

SHEET INDEX SHEET NUMBER SHEET TITLE **COVER SHEET** C-1.0A **GENERAL NOTES** C-1.0B **GENERAL NOTES** OVERALL SITE INVENTORY PLAN C-1.1 SITE INVENTORY PLAN C-1.1A C-1.1B SITE INVENTORY PLAN C-1.1C SITE INVENTORY PLAN C-1.2 DEMOLITION PLAN C-1.3 TREE REMOVAL & MITIGATION PLAN C-1.3A C-1.3B TREE REMOVAL & MITIGATION PLAN C-1.3C TREE REMOVAL & MITIGATION PLAN C-2.0 OVERALL SITE PLAN **OPEN SPACE EXHIBIT** C-3.1 **OVERALL GRADING & STORMWATER** C-4.1 FINE GRADING PLAN FINE GRADING PLAN UTILITY INDEX MAP C-5.1 PLAN & PROFILE PLAN & PROFILE C-5.2 C-5.3 PLAN & PROFILE C-5.4 PLAN & PROFILE C-5.5 PLAN & PROFILE PLAN & PROFILE C-5.6 C-7.0 **DETAILS** C-7.1 **DETAILS** C-7.2 DETAILS C-7.3 **DETAILS** C-7.4 **DETAILS DETAILS** C-7.5 C-7.6 DETAILS C-7.7 **DETAILS** C-7.8 **DETAILS** C-7.9 **DETAILS** C-7.10 **DETAILS** PRIVATE PUMP STATION DETAIL C-7.11 C-7.12 **DETAILS** T-1.1 OFFSITE TRAFFIC IMPROVEMENTS GEOMETRIC & STRIPING PLAN T-4.0 OFFSITE TRAFFIC IMPROVEMENTS TRAFFIC DETAILS T-4.1 OFFSITE TRAFFIC IMPROVEMENTS TRAFFIC DETAILS

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.

CONTACT THESE UTILITIES

CITY OF WILMINGTON PLANNING & DEVELOPMENT

ATTN: JEFF WALTON, 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

Know what's below.

Call before you dig.

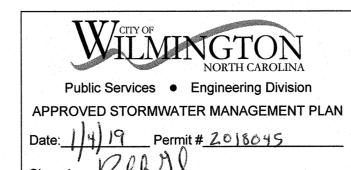
CAPE FEAR PUBLIC UTILITY AUTHORITY (WATER & SEWER)
ENGINEERING/INSPECTIONS
PH: 910-332-6560

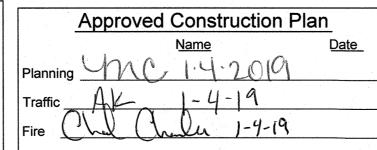
OPERATIONS/MAINTENANCE PH: 910-322-6550

DUKE ENERGY
DISTRIBUTION CONSTRUCTION SERVICE
PH: 910-256-7223
DEP CSC PH: 1-800-452-2777

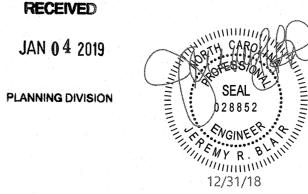
AT&T/BELL SOUTH ATTN: JAMES BATSON, ENGINEERING PH: 910-341-1621

TIME WARNER CABLE PH: 910-763-4638



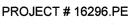


For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.



PARAMOUNTE

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



FINAL DESIGN - RELEASED FOR CONSTRUCTION

- THE CONTRACTOR IS TO ESTABLISH AND CHECK ALL HORIZONTAL AND VERTICAL CONTROLS TO BE USED WITH THE PROJECT. IN ADDITION, THE CONTRACTOR IS TO COMPUTE THE LAYOUT OF THE ENTIRE SITE PLAN IN ADVANCE OF BEGINNING ANY WORK ASSOCIATED WITH THE SUBJECT PLANS. CONTRACTOR SHALL EMPLOY A PROFESSIONAL SURVEYOR TO PERFORM SITE IMPROVEMENT STAKEOUT(S).
- ANYTIME WORK IS PERFORMED OFF-SITE OR WITHIN AN EXISTING EASEMENT. THE CONTRACTOR IS TO NOTIFY THE HOLDER OF SAID EASEMENT AS TO THE NATURE OF PROPOSED WORK, AND TO FOLLOW ANY GUIDELINES OR STANDARDS WHICH ARE ASSOCIATED WITH OR REFERENCED IN THE RECORDED EASEMENT.
- CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS BY OTHERS FOR ALL BUILDING DIMENSIONS AND DETAILS.

- BOUNDARY, TOPOGRAPHIC AND EXISTING CONDITIOSN SRUVEY 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 FLIMINATE OR MINIMIZE DAMAGE TO EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS RESULTING FROM ANY DAMAGE TO THE EXISTING UTILITY LINES INCLUDING LOSS OF UTILITY REVENUES. CONTRACTOR SHALL ARRANGE FOR TEMPORARY SUPPORT OF EXISTING UTILITIES, SUCH AS POLES, CONDUITS, FIBER OPTIC CABLES, TELEPHONE CABLES, WATER LINES, ETC.
- CONTRACTOR SHALL COMPLY WITH THE LATEST REVISIONS AND INTERPRETATIONS OF THE DEPARTMENT OF LABOR SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION PROMULGATED UNDER THE OCCUPATIONAL SAFETY AND HEALTH ACT.
- CONTRACTOR SHALL PLAN AND CONSTRUCT WORK SO AS TO CAUSE MINIMUM INCONVENIENCE TO THE OWNER AND THE PUBLIC. THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN AT ALL TIMES DURING THE PROGRESS OR TEMPORARY SUSPENSION OF WORK, SUITABLE BARRIERS. FENCES. SIGNS OR OTHER ADEQUATE PROTECTION. INCLUDING FLAGMEN AND WATCHMEN AS NECESSARY TO INSURE THE SAFETY OF THE PUBLIC AS WELL AS THOSE ENGAGED IN THE CONSTRUCTION WORK. CONSTRUCTION SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF "CONSTRUCTION AND MAINTENANCE OPERATIONS SUPPLEMENT TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" BY THE USDOT.
- ALL MATERIAL CLEARED OR DEMOLISHED BY THE CONTRACTOR IN ORDER TO CONSTRUCT THE WORK SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE PROPERLY DISPOSED
- ALL WORK BY THE CONTRACTOR SHALL BE WARRANTED BY THE CONTRACTOR FOR A PERIOD OF ONE YEAR AFTER THE OWNER ACCEPTS THE WORK.
- CONTRACTOR SHALL CALL THE NORTH CAROLINA ONE-CALL CENTER AT 811 AN ALLOW THE CENTER TO LOCATE EXISTING UTILITIES BEFORE DIGGING.
- ANY DISCREPANCY IN THIS PLAN AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER PRIOR TO START OF CONSTRUCTION. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL SETBACKS, EASEMENTS AND DIMENSIONS SHOWN HEREON BEFORE
- CONTRACTOR SHALL MAINTAIN THE SITE IN A MANNER SO THAT WORKMEN AND PUBLIC SHALL BE PROTECTED FROM INJURY, AND ADJOINING PROPERTY PROTECTED FROM DAMAGE.
- D. ACCESS TO UTILITIES, FIRE HYDRANTS, STREET LIGHTING, ETC., SHALL REMAIN UNDISTURBED, UNLESS COORDINATED WITH THE RESPECTIVE UTILITY.
- 11. DO NOT SCALE THIS DRAWING AS IT IS A REPRODUCTION AND SUBJECT TO DISTORTION.
- 12. THE GENERAL CONTRACTOR SHALL REMOVE ALL DEBRIS FROM THE SITE UPON COMPLETION OF THE PROJECT AND AT LEAST ONCE A WEEK DURING CONSTRUCTION.
- 13. THE GENERAL CONTRACTOR SHALL KEEP THE AREA OUTSIDE THE "CONSTRUCTION LIMITS" BROOM CLEAN AT ALL TIMES. 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 5. 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.
- 6. 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.
- 8. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL INSPECTIONS, CERTIFICATIONS, EQUIPMENT, ETC., 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.
- 0. 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.
- 2. ALL DIMENSIONS AND RADII ARE TO OUTSIDE FACE OF BUILDING OR TO FACE OF CURB UNLESS OTHERWISE NOTED.

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

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

NEW HANOVER COUNTY LAND QUALITY STABILIZATION TIME FRAME NOTE: DENUDED AREAS MUST BE STABILIZED WITH FIFTEEN (15) WORKING DAYS OF CEASE OF ANY PHASE

OF ACTIVITY. ALL SLOPES MUST BE STABILIZED WITHIN TWENTY-ONE (21) CALENDAR DAYS OF CEASE OF ANY PHASE OF ACTIVITY. THIS 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.
- 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. ELECTRONICALLY AVAILABLE RECORDS MAY BE SUBSTITUTED UNDER CERTAIN CONDITIONS.

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 ALL OTHER DISTURBED AREAS WITHIN 14 CALENDAR DAYS FROM THE LAST LAND DISTURBING ACTIVITY.
- UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE NORTH CAROLINA EROSION AND SEDIMENT CONTROL HANDBOOK, (NO SEPARATE PAYMENT)
- THE CONTRACTOR SHALL NOTIFY PLAN APPROVING AUTHORITY ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITY, AND ONE WEEK PRIOR TO FINAL INSPECTION.
- ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO CLEARING AND/OR
- 5. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN AND PERMIT SHALL BE MAINTAINED
- 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
- 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

REVIEWING AGENCY OR THE ENGINEER. (NO SEPARATE PAYMENT).

- 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

THAN 2:1 MAXIMUM. DISTURBED CREEK AREA SHALL BE STABILIZED IMMEDIATELY.

DISTURBED BANKS AND CHANNEL AND RESTORE SLOPES TO ORIGINAL CONTOURS, BUT NOT STEEPER

DEMOLITION NOTES:

- 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
- OFF-SITE PROPERTIES SHALL BE MAINTAINED DURING THE CONSTRUCTION PROCESS BY THE

ELECTRIC, TELEPHONE, SANITARY SEWER, WATER AND STORM SEWER UTILITIES THAT SERVICE

- 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.

& MEET CITY OF WILMINGTON AND/OR NCDOT STANDARDS

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

- TRAFFIC NOTES:
- 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 PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY & FOR DRIVEWAY(S) ARE TO BE THERMOPLASTIC

- 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. 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.
- ANY BROKEN OR MISSING SIDEWALK PANELS, DRIVEWAY PANELS AND/OR CURBING SHALL BE
- 8. TACTILE WARNING MATS TO BE INSTALLED AT ALL WHEELCHAIR RAMPS.

NPDES SEDIMENT BASINS

- 1. OUTLET STRUCTURES MUST WITHDRAW FROM BASIN SURFACE UNLESS DRAINAGE AREA IS LESS THAN 1 ACRE
- 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

EROSION CONTROL AND SEQUENCE OF CONSTRUCTION NOTES:

NOTE: THESE EROSION CONTROL AND SEQUENCE OF CONSTRUCTION NOTES ARE INTENDED FOR EACH "PHASE" OF CONSTRUCTION. THE ORDER AND STEPS TAKEN MUST BE IMPLEMENTED AS EACH PART OF THE PROJECT IS DEVELOPED; WHETHER AS A WHOLE OR IN PHASES. ANY EROSION CONTROL DEVICES/MEASURES MUST REMAIN IN PLACE UNTIL THE ENTIRE DISTURBANCE IS STABILIZED AND ALL IMPROVEMENTS WITHIN THE DISTURBANCE LIMITS ARE COMPLETE.

- CONSTRUCT TEMPORARY GRAVEL CONSTRUCTION ENTRANCE(S), ESTABLISH THE LIMITS OF DISTURBANCE, TREE PROTECTION FENCING, AND TEMPORARY SILT FENCE.
- 2. CLEAR AND REMOVE FROM SITE TREES AS DESIGNATED, ROOTS, ROOT MAT, ETC. FROM THE AREA WITHIN THE DESIGNATED CLEARING LIMITS.
- 3. CONSTRUCT TEMPORARY SEDIMENT BASIN(S) AND ASSOCIATED SKIMMER, OUTLET PIPE, SPILLWAY, ETC.
- 4. INSTALL REMAINING EROSION CONTROL MEASURES AS SHOWN ON THE PLANS WITHIN THE AREA DISTURBED. ALL EROSION CONTROL MEASURES MUST BE INSTALLED BEFORE COMMENCING
- 5. PLANT GRASS OVER ALL GRADED AREAS WITHIN 14 WORKING DAYS OF CEASE OF ANY GRADING
- 6. IMMEDIATELY UPON THE INSTALLATION OF ANY STORM DRAINAGE CATCH BASIN, DROP INLET, ETC., THE CONTRACTOR SHALL INSTALL INLET PROTECTION TO PREVENT SEDIMENT FROM ENTERING THE
- 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. 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.
- 10. THE CONTRACTOR SHALL CONTINUE TO WATER, FERTILIZE, MOW AND MAINTAIN GRASS & PLANTED

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

AREAS UNTIL ALL CONSTRUCTION IS COMPLETE. EROSION CONTROL MAINTENANCE PLAN:

- 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
- SEDIMENT WILL BE REMOVED BEHIND THE SEDIMENT FENCE WHEN IT BECOMES HALF-FILLED AT THE FENCE. THE SEDIMENT FENCE WILL BE BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER. SILT FENCE STAKES MUST BE STEEL, AND SPACED 6 FEET MAX. WITH EXTRA STRENGTH FABRIC AND NO WIRE BACKING. STAKE SPACING WILL BE 8 FEET MAX. WHEN STANDARD STRENGTH FABRIC AND WIRE BACKING ARE USED. IF ROCK FILTERS (OR EXCELSIOR WATTLES) ARE DESIGNED AT LOW POINTS IN THE SEDIMENT FENCE THE ROCK OR WATTLE WILL BE REPAIRED OR REPLACED IF IT BECOMES HALF FULL OF SEDIMENT, NO LONGER DRAINS AS DESIGNED OR IS DAMAGED.
- 4. ALL SEEDED AREAS WILL BE FERTILIZED, RESEEDED AS NECESSARY, AND MULCHED ACCORDING TO SPECIFICATIONS ON THESE PLANS AND CONTRACT SPECIFICATIONS TO MAINTAIN A VIGOROUS, DENSE VEGETATIVE COVER.
- INLET PROTECTION INSPECT INLETS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (∮ INCH OR GREATER) RAINFALL EVENT. CLEAR THE MESH WIRE OF ANY SEDIMENT AND DEBRIS WHEN IT REACHES HALF OF THE DEPTH OF THE ROCK TO PROVIDE ADEQUATE FLOW FOR SUBSEQUENT RAINS. TAKE CARE NOT TO DAMAGE OR UNDERCUT THE WIRE MESH DURING SEDIMENT REMOVAL. REPLACE STONE AS
- 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.
- 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
- 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 EMERGENCY SPILLWAY / FOREBAY PROTECTION - AFTER EVERY HIGH-WATER EVENT INSPECT THE

OUTLET PROTECTION - INSPECT RIP RAP OUTLET STRUCTURES WEEKLY AND AFTER SIGNIFICANT (INCH

NEEDED REPAIRS TO PREVENT FURTHER DAMAGE. REPAIR ANY VOIDS IN THE RIP RAP LINED APRONS 10. 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

INTEGRITY OF THE LINED SPILLWAY AND THE ADJACENT EARTHEN BANKS. IMMEDIATELY MAKE ALL

PROTECTION FOR THE CHANNEL. 11. ROCK PIPE INLET PROTECTION - INSPECT WEEKLY AND AFTER EACH SIGNIFICANT (INCH OR GREATER) RAINFALL EVENT AND REPAIR IMMEDIATELY REMOVE SEDIMENT AND RESTORE THE SEDIMENT STORAGE AREA WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF DESIGN DEPTH OF THE TRAP ANY RIP-RAP DISPLACED FROM THE STONE HORSESHOE MUST BE REPLACED IMMEDIATELY. ROCK WILL

BE REPLACED WHEN IT BECOMES CLOGGED WITH SEDIMENT OR NOT LONGER DRAINS AS DESIGNED.

GRASS IN A HEALTHY, VIGOROUS CONDITION AT ALL TIMES, SINCE IT IS THE PRIMARY EROSION

12. CONCRETE WASHOUTS - CONCRETE WASHOUTS SHOULD BE INSPECTED DAILY AND AFTER HEAVY RAINS. DAMAGES SHOULD BE REPAIRED PROMPTLY. IF FILLED TO OVER 75% CAPACITY WITH RAIN WATER IT SHOULD BE VACUUMED OR ALLOWED TO EVAPORATE TO AVOID OVERFLOWS. BEFORE HEAVY RAINS THE CONTAINERS LIQUID LEVEL SHOULD BE LOWERED OR THE CONTAINER COVERED TO AVOID AN OVER FLOW DURING RAIN. WHEN SOLIDS HAVE HARDENED THEY SHOULD BE REMOVED AND RECYCLED.

PERMANENT SEE	DING		-
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

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TEMPORARY SEED	<u> </u>	·	
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 & REGULATIONS.
- 2. IT IS ESSENTIAL THAT CONTRACTORS ARE AWARE OF THE SITE ACCESSIBILITY REQUIREMENTS. PARAMOUNTE ENGINEERING HAS DEVELOPED THESE NOTES AND DETAILS TO ASSURE THAT CONTRACTORS ARE AWARE OF THE REQUIREMENTS AT THE POINT IN TIME WHEN THEY ARE BIDDING 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
- 4. THESE ACCESSIBILITY NOTES AND DETAILS ARE INTENDED TO DEPICT SLOPE AND DIMENSIONAL REQUIREMENTS ONLY. REFER TO SIDEWALK, CURBING, AND PAVEMENT DETAILS FOR ADDITIONAL

ACCESSIBLE ROUTE NOTES:

- AT LEAST ONE ACCESSIBLE ROUTE SHALL BE PROVIDED WITHIN THE SITE FROM ACCESSIBLE PARKING SPACES AND ACCESSIBLE PASSENGER LOADING ZONES; PUBLIC STREETS OR SIDEWALKS; AND PUBLIC TRANSPORTATION STOPS TO THE ACCESSIBLE BUILDING OR FACILITY ENTRANCE THEY SERVE.
- 2. TAT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT ACCESSIBLE BUILDINGS, ACCESSIBLE FACILITIES, ACCESSIBLE ELEMENTS, AND ACCESSIBLE SPACES THAT ARE ON THE SAME SITE.
- 3. WALKING SURFACES THAT ARE PART OF AN ACCESSIBLE ROUTE SHALL HAVE A MAXIMUM RUNNING SLOPE OF 5.0% AND A MAXIMUM CROSS SLOPE OF 2.0%.
- 4. ANY WALKING SURFACE THAT IS PART OF AN ACCESSIBLE ROUTE WITH A RUNNING SLOPE GREATER
- 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).

THAN 5.0% IS A RAMP AND SHALL COMPLY WITH THE GUIDELINES FOR RAMPS OR CURB RAMPS.

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

EACH SIDE OF RAMP RUNS AND ON EACH SIDE OF RAMP LANDINGS.

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

- **CURB RAMP NOTES:** 1. THE MAXIMUM RUNNING SLOPE OF A CURB RAMP SHALL BE 8.33% AND THE MAXIMUM CROSS SLOPE
- 2. COUNTER SLOPES OF ADJOINING GUTTERS AND ROAD SURFACES IMMEDIATELY ADJACENT TO THE CURB RAMP SHALL NOT BE STEEPER THAN 5%. THE ADJACENT SURFACES AT TRANSITIONS AT CURB RAMPS TO WALKS, GUTTERS AND STREETS SHALL BE AT THE SAME LEVEL.
- 3. THE CLEAR WIDTH OF A CURB RAMP SHALL BE 36 INCHES (36) MINIMUM, EXCLUSIVE OF FLARED SIDES, IF PROVIDED. *NOTE NC BUILDING CODE REQUIRES EXTERIOR ACCESSIBLE ROUTES TO BE 48 INCHES MINIMUM WIDE (1104.1 & 1104.2).*
- 4. LANDINGS SHALL BE PROVIDED AT THE TOP OF CURB RAMPS. THE CLEAR LENGTH OF THE LANDING SHALL BE THIRTY-SIX (36) INCHES MINIMUM. THE CLEAR WIDTH OF THE LANDING SHALL BE AT LEAST AS WIDE AS THE CURB RAMP, EXCLUDING FLARED SIDES, LEADING TO THE LANDING. LANDINGS SHALL HAVE A SLOPE NOT STEEPER THAN 2% IN ANY DIRECTION.
- 5. IF A CURB RAMP IS LOCATED WHERE PEDESTRIANS MUST WALK ACROSS THE RAMP, OR WHERE IT IS NOT PROTECTED BY HANDRAILS OR GUARDRAILS, IT SHALL HAVE FLARED SIDES.
- 6. WHERE PROVIDED, CURB RAMP FLARES SHALL NOT EXCEED 10%.
- 7. CURB RAMPS AND THE FLARED SIDES OF CURB RAMPS SHALL BE LOCATED SO THAT THEY DO NOT PROJECT INTO VEHICULAR TRAFFIC LANES, PARKING SPACES OR PARKING ACCESS AISLES. CURBS AT MARKED CROSSINGS SHALL BE WHOLLY CONTAINED WITHIN THE MARKINGS, EXCLUDING ANY FLARED
- 8. CURB RAMPS SHALL BE LOCATED OR PROTECTED TO PREVENT THEIR OBSTRUCTION BY PARKED
- 9. IT IS RECOMMENDED TO PROVIDE CURB RAMPS WITH A TWENTY-FOUR (24) INCH DEEP DETECTABLE WARNING COMPLYING WITH 406.12 A117.1. EXTENDING THE FULL WIDTH OF THE RAMP, REFERTO DETECTABLE WARNING DETAILS AND NOTES FOR PLACEMENT, ORIENTATION AND NOTES. THE NC BUILDING CODE DOES NOT CURRENTLY REQUIRE DETECTABLE WARNINGS AT CURB RAMPS, NOR DO THE 2010 ADA STANDARDS - HOWEVER US DOT ADA REGULATIONS DO REQUIRE THESE.
- 10. FLOOR SURFACES OF CURB RAMPS SHALL BE DEEP GROOVED, ½ INCH WIDE BY ¼ INCH DEEP, ONE (1) INCH CENTERS TRANSVERSE TO THE RAMP.
- 11. WHERE PROVIDED, STOP LINES SHALL BE LOCATED IN ADVANCE OF CURB RAMP.
- AND NOT ON THE SIDEWALK. 13. WHERE PROVIDED, DRAINAGE INLETS SHALL BE LOCATED UPSTREAM OF CURB RAMPS AND NOT IN THE

12. WHERE PROVIDED, PEDESTRIAN ACTIVATED SIGNALS SHALL BE LOCATED ADJACENT TO THE SIDEWALK

14. CURB RAMP TYPE AND LOCATION ARE PER PLAN.

NC ACCESSIBILITY NOTES CONTD.

PARKING SPACE NOTES:

- ACCESSIBLE PARKING SPACES SHALL BE LOCATED ON THE SHORTEST ACCESSIBLE ROUTES OF TRAVEL FROM ADJACENT PARKING TO AN ACCESSIBLE BUILDING ENTRANCE.
- 2. ACCESSIBLE PARKING SPACES SHALL BE AT LEAST NINETY-SIX (96) INCHES WIDE. ACCESS AISLES SHALL BE 60 INCHES WIDE. ONE OF SIX ACCESSIBLE SPACES SHOULD PROVIDE A VAN ACCESSIBLE AISLE. THE AISLE SHOULD BE 96 INCHES WIDE FOR 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 ROUTES. MARKED CROSSINGS SHALL BE PROVIDED WHERE THE ACCESSIBLE ROUTE MUST CROSS VEHICULAR TRAFFIC LANES. WHERE POSSIBLE. IT IS PREFERABLE THAT THE ACCESSIBLE ROUTE NOT PASS BEHIND PARKED VEHICLES.
- 4. TWO (2) ACCESSIBLE PARKING SPACES MAY SHARE A COMMON ACCESS AISLE
- 5. ACCESS AISLES SHALL EXTEND THE FULL LENGTH OF THE PARKING SPACE THEY SERVE.
- 6. ACCESS AISLES SHALL BE MARKED SO AS TO DISCOURAGE PARKING IN THEM.
- 7. ACCESS AISLES SHALL NOT OVERLAP THE VEHICULAR WAY. ACCESS AISLES SHALL BE PERMITTED TO BE PLACED ON EITHER SIDE OF THE PARKING SPACE EXCEPTFOR ANGLED VAN PARKING SPACES WHICH SHALL HAVE ACCESS AISLES LOCATED ON THE PASSENGER SIDE OF THE PARKING SPACES.
- AND SLIP RESISTANT. ACCESS AISLES SHALL BE AT THE SAME LEVEL AS THE PARKING SPACES THEY SERVE. CHANGES IN LEVEL ARE NOT PERMITTED.
- 9. PARKING SPACES AND ACCESS AISLES SHALL BE LEVEL WITH SURFACE SLOPES NOT EXCEEDING 2.0% IN

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

- 10. PARKED VEHICLE OVERHANGS SHALL NOT REDUCE THE REQUIRED CLEAR WIDTH OF AN ACCESSIBLE
- 11. PARKING SPACES FOR VANS AND ACCESS AISLES AND VEHICULAR ROUTES SERVING THEM SHALL PROVIDE A VERTICAL CLEARANCE OF NINETY-EIGHT (98) INCHES MINIMUM. SIGNS SHALL BE PROVIDED AT ENTRANCES TO PARKING FACILITIES INFORMING DRIVERS OF CLEARANCES AND THE LOCATION OF VAN ACCESSIBLE PARKING SPACES.
- 12. EACH ACCESSIBLE PARKING SPACE SHALL BE PROVIDED WITH SIGNAGE DISPLAYING THE INTERNATIONAL SYMBOL OF ACCE\$SIBILITY. 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
- 2. PASSENGER LOADING ZONES SHALL PROVIDE A CLEARLY MARKED ACCESS AISLE THAT IS SIXTY (60) INCHES WIDE MINIMUM AND EXTENDS THE FULL LENGTH OF THE VEHICLE PULL-UP SPACE THEY
- ACCESS AISLE SHALL ADJOIN AN ACCESSIBLE ROUTE AND NOT OVERLAP THE VEHICULAR WAY. 4. VEHICLE PULL-UP SPACES AND ACÇESS AISLES SERVING THEM SHALL BE LEVEL WITH SURFACE SLOPES
- 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,

NOT EXCEEDING 2.0% IN ALL DIRECTIONS. ACCESS AISLES SHALL BE AT THE SAME LEVEL AS THE

6. VEHICLE PULL-UP SPACES, ACCES\$ AISLES SERVING THEM AND A VEHICULAR ROUTE FROM AN

I. ACCESSIBLE ENTRANCES SHALL BE PROVIDED AS REQUIRED BY THE AMERICANS WITH DISABILITIES ACT

- ENTRANCE TO THE PASSENGER LOADING ZONE, AND FROM THE PASSENGER LOADING ZONE TO A VEHICULAR EXIT SERVING THEM, SHALL PROVIDE A VERTICAL CLEARANCE OF ONE HUNDRED FOURTEEN (114) INCHES MINIMUM. ACCESSIBLE ENTRANCE NOTES:
- (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 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 SPECIFICATIONS.

MINIMUM AND TWENTY (20) FEET LONG MINIMUM.

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

INDICATED OTHERWISE ON PLANS.

ROOF DRAIN NOTE:

EXISTING UTILITY NOTES:

- PROPOSED BUILDING SHALL DIVERT ROOF DRAINAGE TO STORMWATER COLLECTION \$YSTEM.
- IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO VERIFY THE ACTUAL LOCATION AND AVAILABILITY OF ALL EXISTING AND PROPOSED UTILITIES IN THE FIELD PRIOR TO GROUND BREAKING. EXISTING UTILITIES AND STRUCTURES SHOWN, BOTH UNDERGROUND AND ABOVE GROUND, ARE BASED ON A FIELD SURVEY AND THE BEST AVAILABLE

RECORD DRAWINGS. THE CONTRACTOR SHALL FIELD VERIFY FIELD

DISCREPANCIES SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE

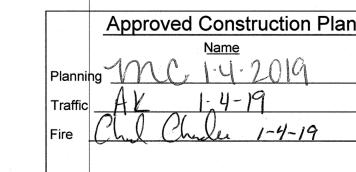
CONDITIONS PRIOR TO BEGINNING RELATED CONSTRUCTION. ANY

REINFORCED CONCRETE PIPE CONFORMING TO ASTM C-76, UNLESS

IMMEDIATELY WETLAND NOTES:

Call before you dig.

WETLANDS EXIST ON THE PROPERTY AS SHOWN AND REFERENCED IN ACOE APPROVAL SAW-2016-01691.



For each open utility cut of City streets, a \$325 permit shall be required from the Date: 114/19 City prior to occupancy and/or project acceptance.

Public Services • Engineering Division APPROVED STORMWATER MANAGEMENT PLAN

Permit # 2018045

PEI JOB#: 16105.PE

SHORE MBERLEIGH : IASE II TY OF WILMIN ORTH CAROLI

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GENERAL NOTES	08.08
1. PRIOR TO ANY CLEARING, GRADING, OR CONSTRUCTION ACTIVITY, TREE PROTECTION FENCING SHALL	
BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES. NO CONSTRUCTION WORKERS,	
TOOLS, MATERIALS, OR VEHICLES ARE PERMITTED WITHIN THE TREE PROTECTION FENCING.	
2. ANY TREES AND/OR AREAS DESIGNATED TO BE PROTECTED MUST BE PROPERLY BARRICADED WITH	
FENCING AND PROTECTED THROUGHOUT CONSTRUCTION TO ENSURE THAT NO CLEARING, GRADING,	
OR STAGING OF MATERIALS WILL OCCUR IN THOSE AREAS.	
3. NO EQUIPMENT IS ALLOWED ON SITE UNTIL ALL TREE PROTECTION FENCING AND SILT FENCING IS	
INSTALLED AND APPROVED. PROTECTIVE FENCING IS TO BE MAINTAINED THROUGHOUT THE DURATION	
OF THE PROJECT, AND CONTRACTORS SHALL RECEIVE ADEQUATE INSTRUCTION ON TREE	
PROTECTION METHODS.	
4. ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY AND FOR DRIVEWAYS ARE TO BE	
THERMOPLASTIC AND MEET CITY AND/OR NCDOT STANDARDS.	
5. ONCE STREETS ARE OPEN TO TRAFFIC, CONTACT TRAFFIC ENGINEERING REGARDING THE	N N
INSTALLATION OF TRAFFIC AND STREET NAME SIGNS. PROPOSED STREET NAMES MUST BE APPROVED	
PRIOR TO INSTALLATION OF STREET NAME SIGNS.	
6. TRAFFIC CONTROL DEVICES (INCLUDING SIGNS AND PAVEMENT MARKINGS) IN AREAS OPEN TO PUBLIC	OWNER COMMENTS
TRAFFIC ARE TO MEET MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES) STANDARDS.	
7. CONTACT TRAFFIC ENGINEERING AT 910-341-7888 TO ENSURE THAT ALL TRAFFIC SIGNAL FACILITIES	
AND EQUIPMENT ARE SHOWN ON THE PLAN.	
8. CALL TRAFFIC ENGINEERING AT 910-341-7888 FORTY-EIGHT (48) HOURS PRIOR TO ANY EXCAVATION IN	
THE RIGHT-OF-WAY.	
9. TRAFFIC ENGINEERING MUST APPROVE OF PAVEMENT MARKING PRIOR TO ACTUAL STRIPING.	
10. ALL PARKING STALL MARKINGS AND LANE ARROWS WITHIN THE PARKING AREAS SHALL BE WHITE.	
11. ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT-OF-WAY ARE TO BE MAINTAINED BY THE	
PROPERTY OWNER IN ACCORDANCE WITH MUTCD STANDARDS.	
12. STOP SIGNS AND STREET SIGNS TO REMAIN IN PLACE DURING CONSTRUCTION.	
13. TACTILE WARNING MATS WILL BE INSTALLED ON ALL WHEELCHAIR RAMPS.	
14. A UTILITY CUT PERMIT IS REQUIRED FOR EACH OPEN CUT OF A CITY STREET.	
15. ANY BROKEN OR MISSING SIDEWALK PANELS WILL E REPLACED.	
16. CONTACT TRAFFIC ENGINEERING AT 910-341-7888 TO DISCUSS STREET LIGHTING OPTIONS.	
17. WATER AND SEWER SERVICE SHALL MEET CAPE FEAR PUBLIC UTILITY AUTHORITY (CFPUA) DETAILS	
AND SPECIFICATIONS.	
18. PROJECT SHALL COMPLY WITH CFPUA CROSS CONNECTION CONTROL REQUIREMENTS. WATER	
METER(S) CANNOT BE RELEASED UNTIL ALL REQUIREMENTS ARE MET AND THE STATE HAS GIVEN	
THEIR FINAL APPROVAL. CALL 910-343-3910 FOR INFORMATION.	
19. IF THE CONTRACTOR DESIRES CFPUA WATER FOR CONSTRUCTION, HE SHALL APPLY IN ADVANCE FOR	
THIS SERVICE AND MUST PROVIDE A REDUCED PRESSURE ZONE (RPZ) BACKFLOW PREVENTION	
DEVICE ON THE DEVELOPER'S SIDE OF THE WATER METER BOX.	
20. ANY IRRIGATION SYSTEM SUPPLIED BY CFPUA WATER SHALL COMPLY WITH THE CFPUA CROSS	2

CONNECTION REGULATION. CALL 919-343-3910 FOR INFORMATION.

DEPARTMENT DIVISION OF FIRE AND LIFE SAFETY AT 910-341-0696.

ABOVE THE GROUND WITHIN THE TRIANGULAR SIGHT DISTANCE.

APPROVED DEVICES BY USCFCCCHR OR ASSE.

4. FDC MUST BE WITHIN 40' OF FIRE APPARATUS PLACEMENT

RELEASE OF THE PROJECT FOR CONSTRUCTION.

ISLANDS AND PRESERVATION ALONG THE PERIMETER OF THE SITE.

10. ALL CITY, STATE AND FEDERAL REGULATIONS SHALL BE FOLLOWED.

9. ALL REQUIREMENTS OF THE TRAFFIC IMPACT ANALYSIS (TIA) SHALL BE FOLLOWED.

SHINING INTO THE ADJACENT RESIDENTIAL PROPERTIES.

WHILE SAVING THE LARGEST OAK TREE (58" LIVE OAK).

DRIVEWAY, BUILT TO NCDOT STANDARDS.

MAINTAINED AROUND THE CIRCUMFERENCE OF HYDRANTS AND FDC.

DURING CONSTRUCTION.

CLEARING, OR GRADING.

FIRE & LIFE SAFETY NOTES:

CONCERNING THE PROJECT.

REQUIRED.

APPROVED.

PHASE ONE PROJECT.

SAFETY DIVISION (910) 343-0696

DEVELOPMENT.

21. ANY IRRIGATION SYSTEM SHALL BE EQUIPPED WITH A RAIN AND FREEZER SENSOR.

22. ANY BACKFLOW PREVENTION DEVICES REQUIRED BY THE CFPUA WILL NEED TO BE ON THE LIST OF

23. CONTRACTOR TO FIELD VERIFY EXISTING WATER AND SEWER SERVICE LOCATIONS, SIZES AND MATERIALS PRIOR TO CONSTRUCTION. ENGINEER TO BE NOTIFIED OF ANY CONFLICTS.

25. UNDERGROUND FIRE LINE(S) MUST BE PERMITTED AND INSPECTED BY THE WILMINGTON FIRE

24. CONTRACTOR SHALL MAINTAIN ALL-WEATHER ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES

DEPARTMENT FROM THE PUBLIC RIGHT-OF-WAY TO THE BUILDING. CONTACT THE WILMINGTON FIRE

26. NO OBSTRUCTIONS ARE PERMITTED IN THE SPACE BETWEEN THIRTY (30) INCHES AND TEN (10) FEET

27. CONTACT THE NORTH CAROLINA ONE CALL CENTER AT 1-800-632-4949 PRIOR TO DOING ANY DIGGING,

1. CONTRACTOR SHALL MAINTAIN AN ALL WEATHER ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING CONSTRUCTION

5. LANDSCAPING OR PARKING CANNOT BLOCK OR IMPEDE THE FDC OR FIRE HYDRANTS. A 3-FOOT (3') CLEAR SPACE SHALL BE

6. ADDITIONAL FIRE PROTECTON AND ACCESSIBILITY REQUIREMENTS MAY BE REQUIRED DUE TO ANY SPECIAL CIRCUMSTANCES

8. ALL ISOLATION VALVES WITHIN THE "HOT BOX" SHALL BE ELECTRICALLY SUPERVISED. PLEASE WORK CLOSELY WITH YOUR FIRE

2. APPROVAL OF THIS CONDITIONAL DISTRICT ZONING REQUEST DOES NOT CONSTITUTE TECHNICAL APPROVAL OF THE SITE PLAN. FINAL APPROVAL BY THE TECHNICAL REVIEW COMMITTEE AND THE ISSUANCE OF ALL REQUIRED PERMITS MUST OCCUR PRIOR TO

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, A MODIFICATION OF THE APPROVED CONDITION DISTRICT ZONING SHALL BE

4. THE USE AND DEVELOPMENT OF THE SUBJECT PROPERTY SHALL BE IN ACCORDANCE WITH THE PLAN AS SUBMITTED 6/28/16 AND

PRESERVATION OF EXISTING TREES SHALL BE INCLUDED IN THE OVERALL DESIGN OF THE PROJECT SUCH AS ADDITIONAL LANDSCAPE

7. THE PROPOSED MULTI-USE PATH SHALL CONNECT WITH THE EXISTING PATH ALONG MARKET STREET WITH THE AMBERLEIGH SHORES

8. A CONCEPTUAL LIGHTING PLAN SHALL BE REQUIRED PRIOR TO CONSTRUCTION RELEASE. LIGHTING SHALL BE PROHIBITED FROM

11. BUILDING 6 AND BUILDING 7 SHALL BE SHIFTED AS FAR NORTH AS POSSIBLE TO PROVIDE A BUFFER WITH EXISTING VEGETATION

12. IN ADDITION TO THE 20-FOOT BUFFER, AN 8-FOOT TALL WOODEN FENCE MUST BE CONSTRUCTED ADJACENT TO BUILDINGS 6 AND 7. 13. LEFT TURN MOVEMENTS SHALL BE PROHIBITED ALONG MARKET STREET IN FRONT OF THE PROPOSED PHASE 2 RIGHT-IN/RIGHT-OUT

5. ALL EXISTING PROTECTED TREES NOT IMPACTED BY ESSENTIAL SITE IMPROVEMENTS SHALL BE PRESERVED OR MITIGATED.

6. ANY SURFACE PARKING ABOVE THE MINIMUM ALLOWED SHALL BE OF PERVIOUS MATERIALS, IF THE SOIL IS DEEMED SUITABLE.

7. PRIVATE UNDERGROUND FIRE LINES REQUIRE A SEPARATE UNDERGROUND FIRE LINE PERMIT FROM THE WILMINGTON FIRE AND LIFE

. THE USE AND DEVELOPMENT OF THE PROPERTY SHALL COMPLY WITH ALL REGULATIONS AND REQUIREMENTS IMPOSED BY THE LAND DEVELOPMENT CODE, THE CITY OF WILMINGTON TECHNICAL STANDARDS AND SPECIFICATIONS MANUAL AND ANY OTHER APPLICABLE FEDERAL, STATE OR LOCAL LAW, ORDINANCE ORE REGULATION, AS WELL AS ANY CONDITION STATED BELOW. IN THE EVENT OF A

2. NEW HYDRANTS MUST BE BROUGHT INTO SERVICE PRIOR TO COMBUSTIBLE MATERIALS DELIVERED TO THE JOB SITE

28. COORDINATE WITH CITY TRAFFIC ENGINEERING THE REMOVAL AND STORAGE OF ANY TRAFFIC EQUIPMENT, OR SIGNS DURING THE DEMOLITION, CONSTRUCTION, AND OPENING OF THIS

3. HYDRANT MUST BE WITHIN 150' OF THE FDC (MEASURED AS THE TRUCK DRIVES FOR PRACTICAL USE)

SPRINKLER AND ALARM INSTALLER IN REGARDS TO RUNNING WIRE FOR TAMPER SWITCH

CONDITIONS FROM SECTION 2 OF REZONING ORDINANCE DATED 6/19/18:

CONFLICT, THE MOST STRINGENT REQUIREMENT OR HIGHER STANDARD SHALL APPLY.

Know what's below. Call before you dig.

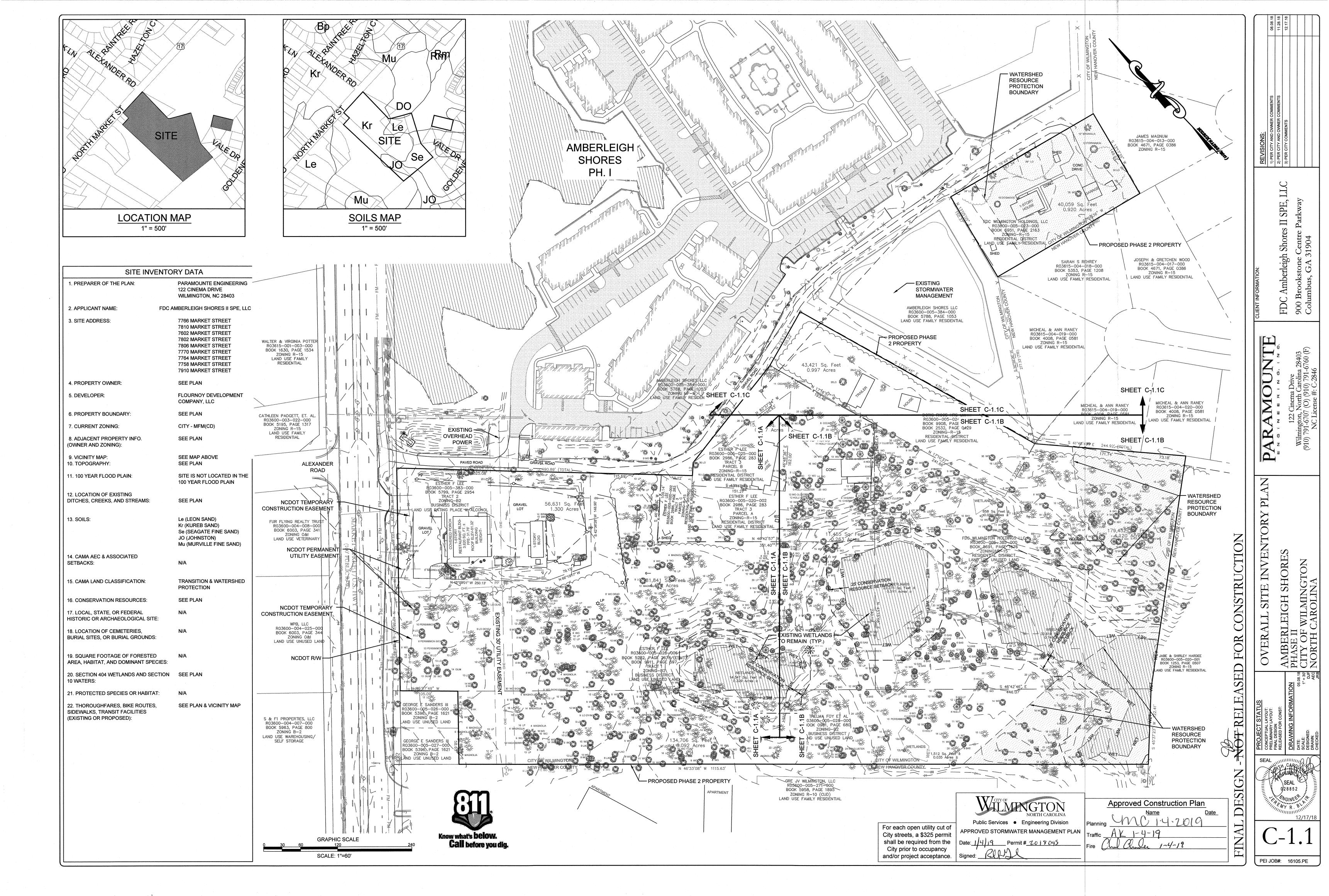
> For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

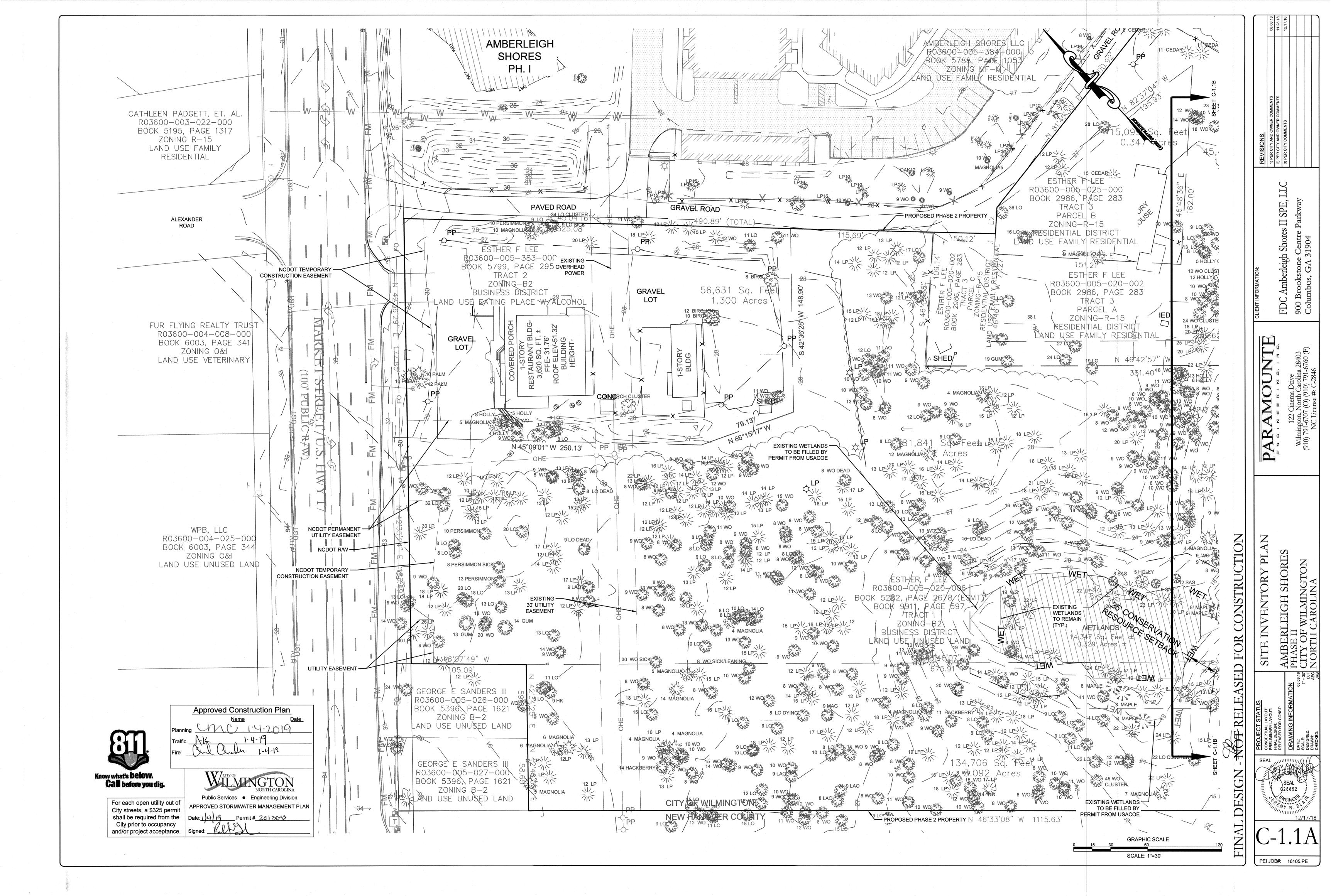
Approved Construction Plan

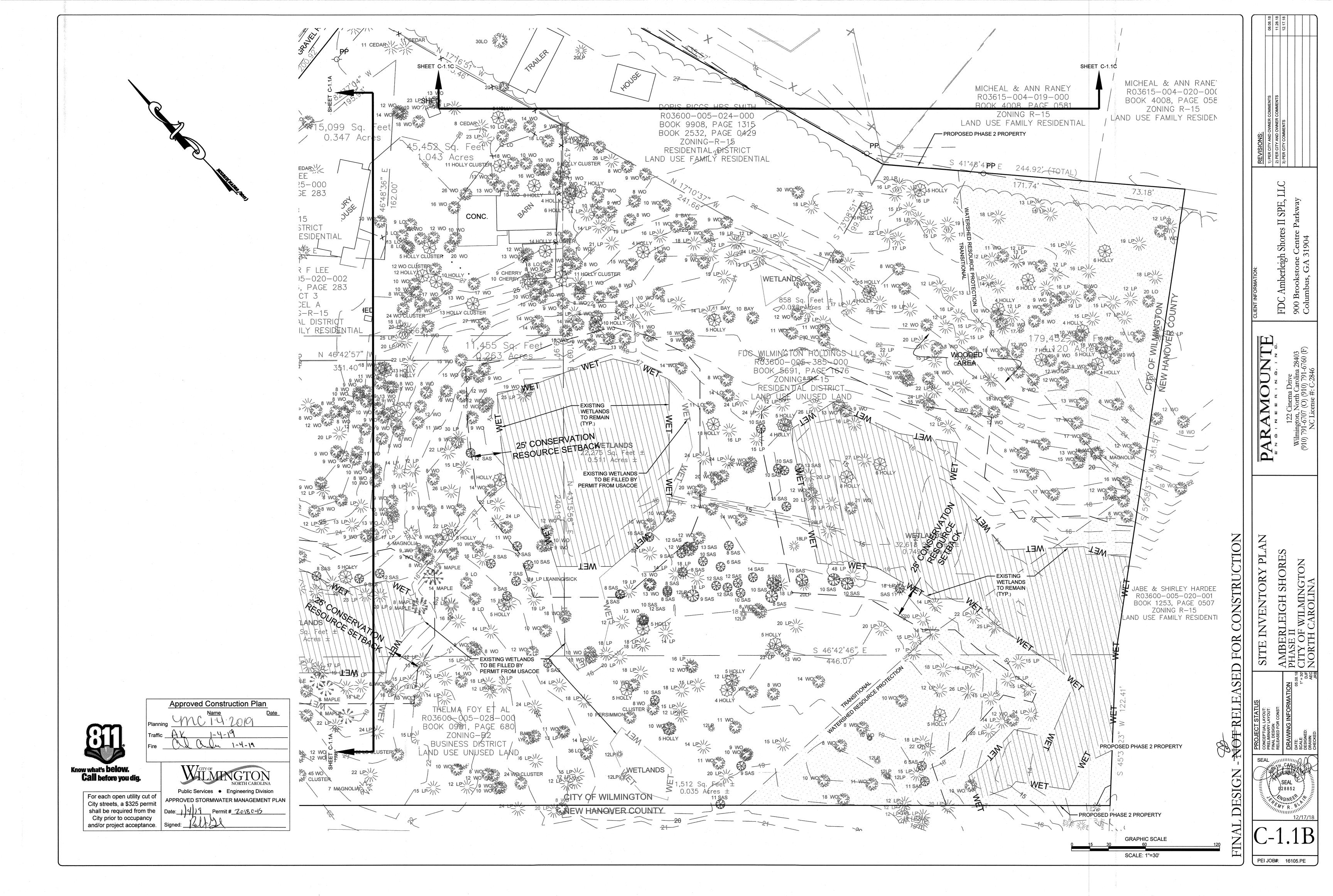
Public Services • Engineering Division APPROVED STORMWATER MANAGEMENT PLAN Permit # 2018045

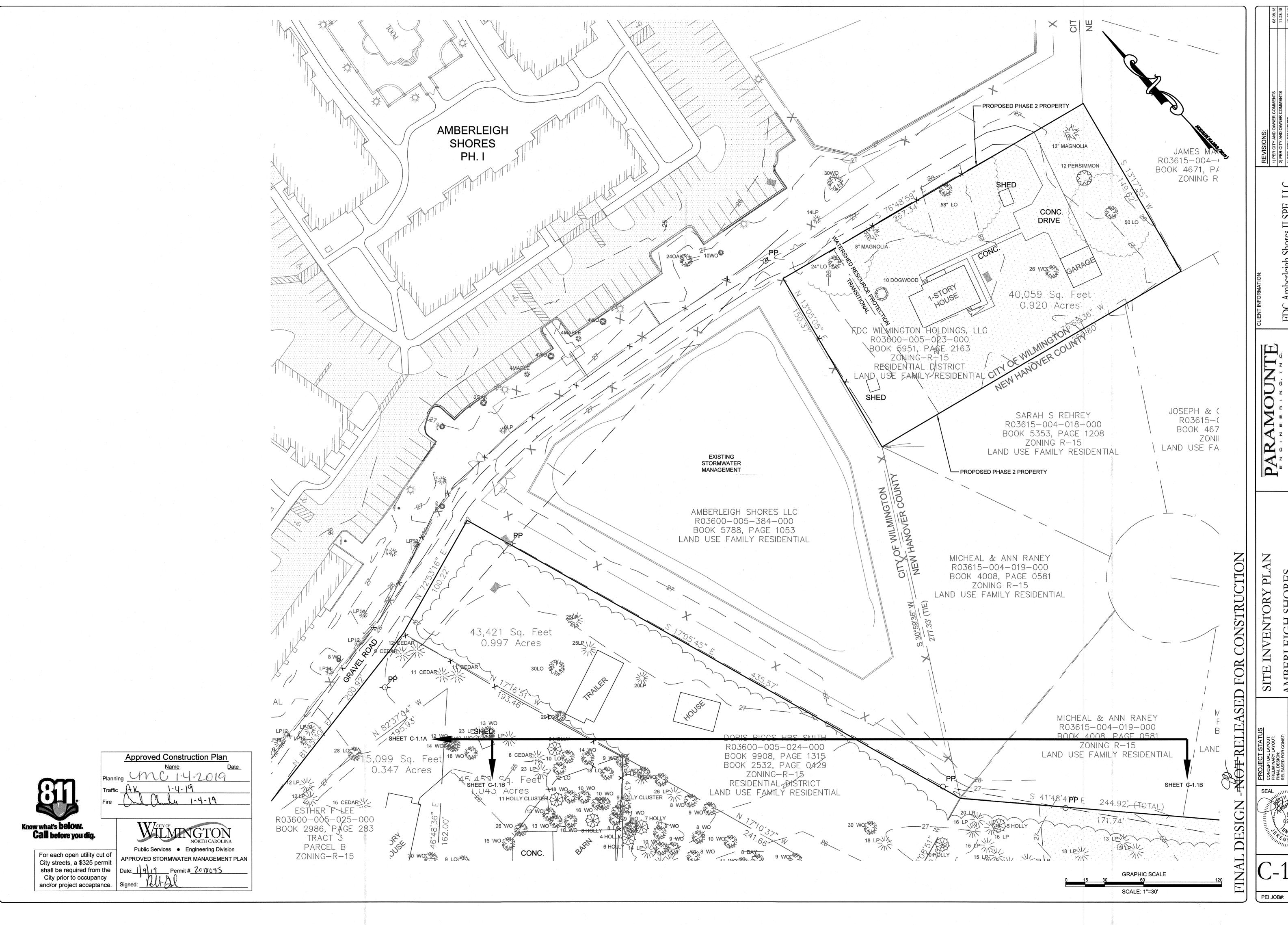
0/28852 11/28/18

SHORES

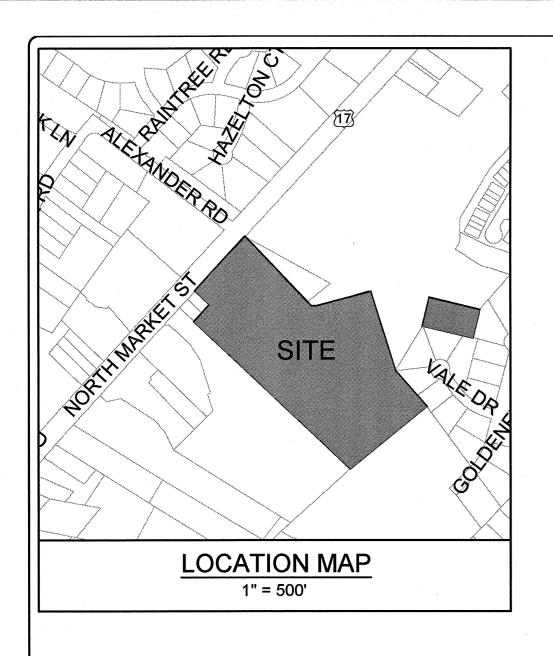








AMBERLEIGH SHORES
PHASE II
CITY OF WILMINGTON
NORTH CAROLINA



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 S. COLLEGE 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 ELECTRIC UTILITY OWNER/PROVIDER FOR DEMOLITION

SYMBOLS LEGEND					
REFER TO SURVEY FOR EXISTING CONDITION SYMBOLS LEGEND					
	EXISTING SIGN/LIGHT/UTILITY POLE TO BE REMOVED				
<i>*************************************</i>	EXISTING OVERHEAD POWER TO BE REMOVED				
+++ >	EXISTING FENCE TO BE REMOVED				
yaanaaaaaa.	EXISTING STORM SEWER LINE TO BE REMOVED				
# # # #	EXISTING BUILDING/STRUCTURE TO BE REMOVED				
//// //// ////	EXISTING CONCRETE PAVEMENT/PAD TO BE REMOVED				
+ + +	EXISTING GRAVEL TO BE REMOVED				
	EXISTING ASPHALT PAVEMENT TO BE REMOVED				
	EXISTING CONCRETE CURBING TO BE REMOVED				
	EXISTING SEWER STRUCTURE TO BE REMOVED				

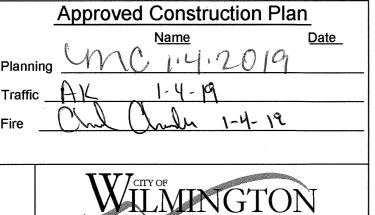
EXISTING SIGN TO BE -REMOVED

EXISTING SEWER -SERVICE TO BE ABANDONED

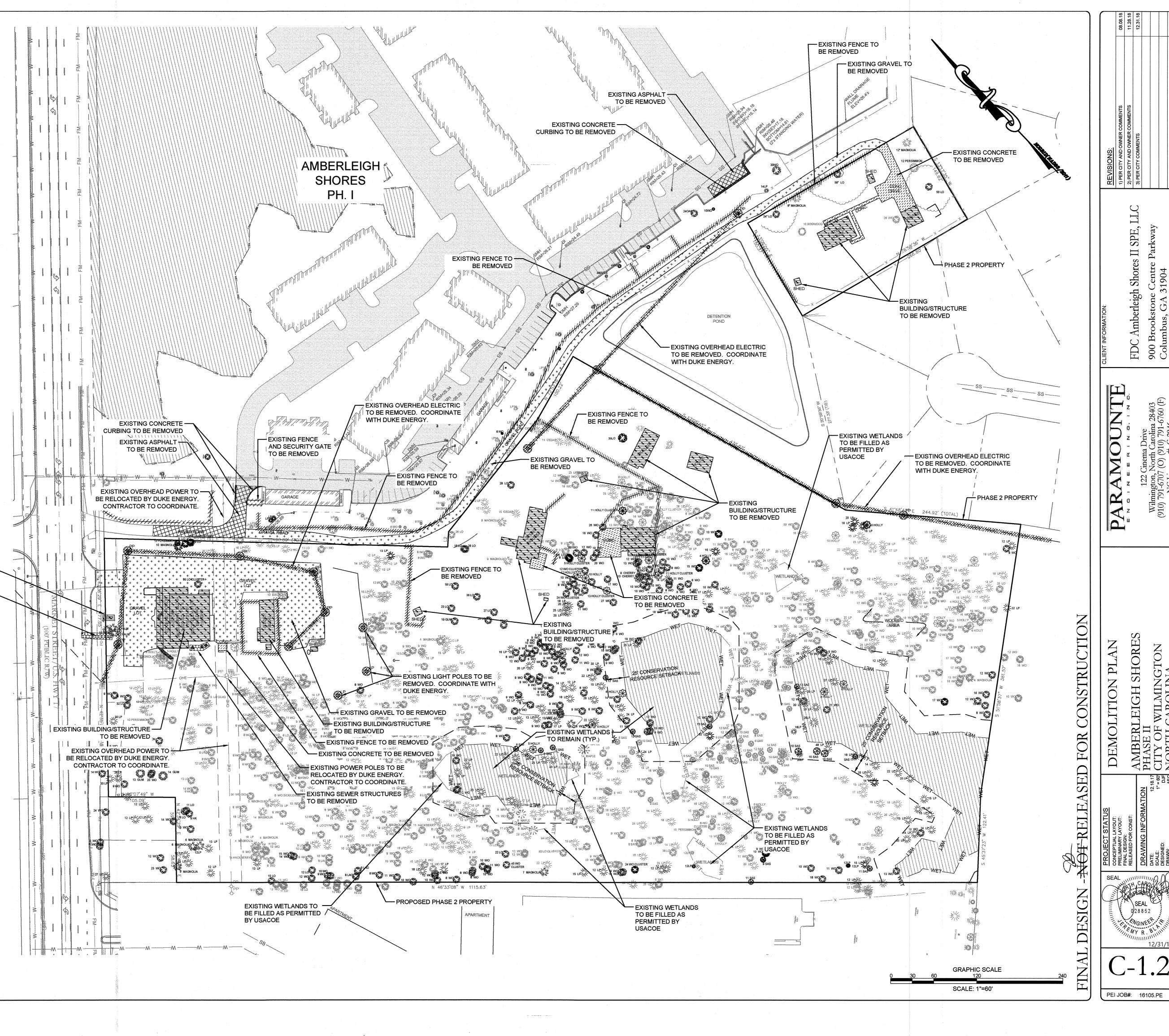


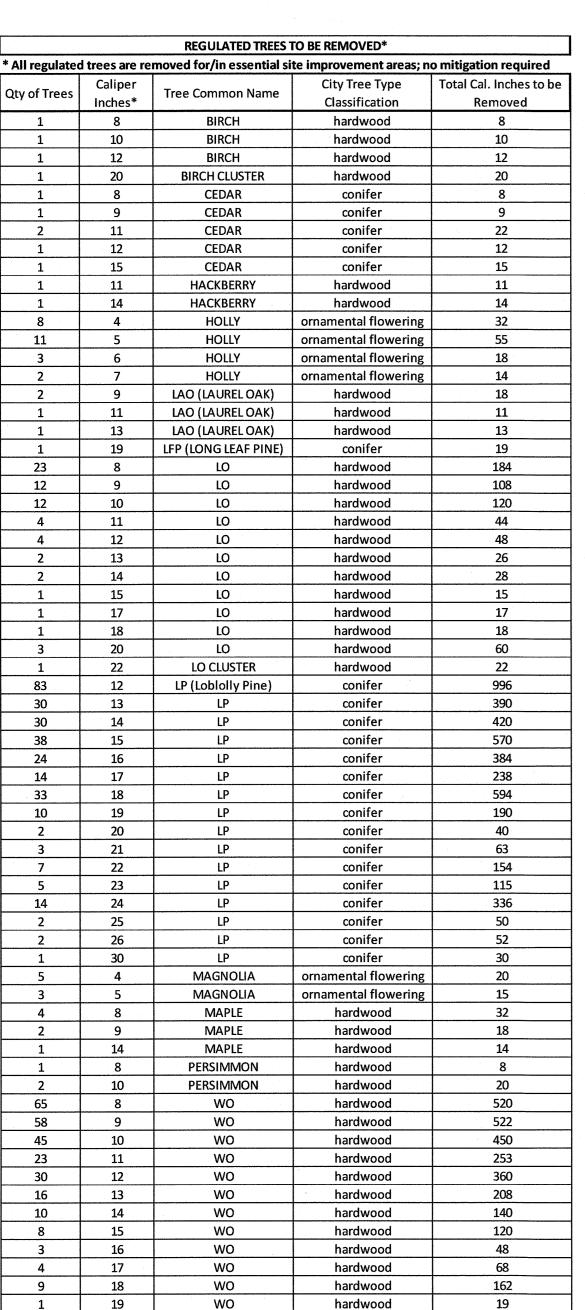
Know what's below. Call before you dig.

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



Permit # 2018045





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WO (CLUSTER)

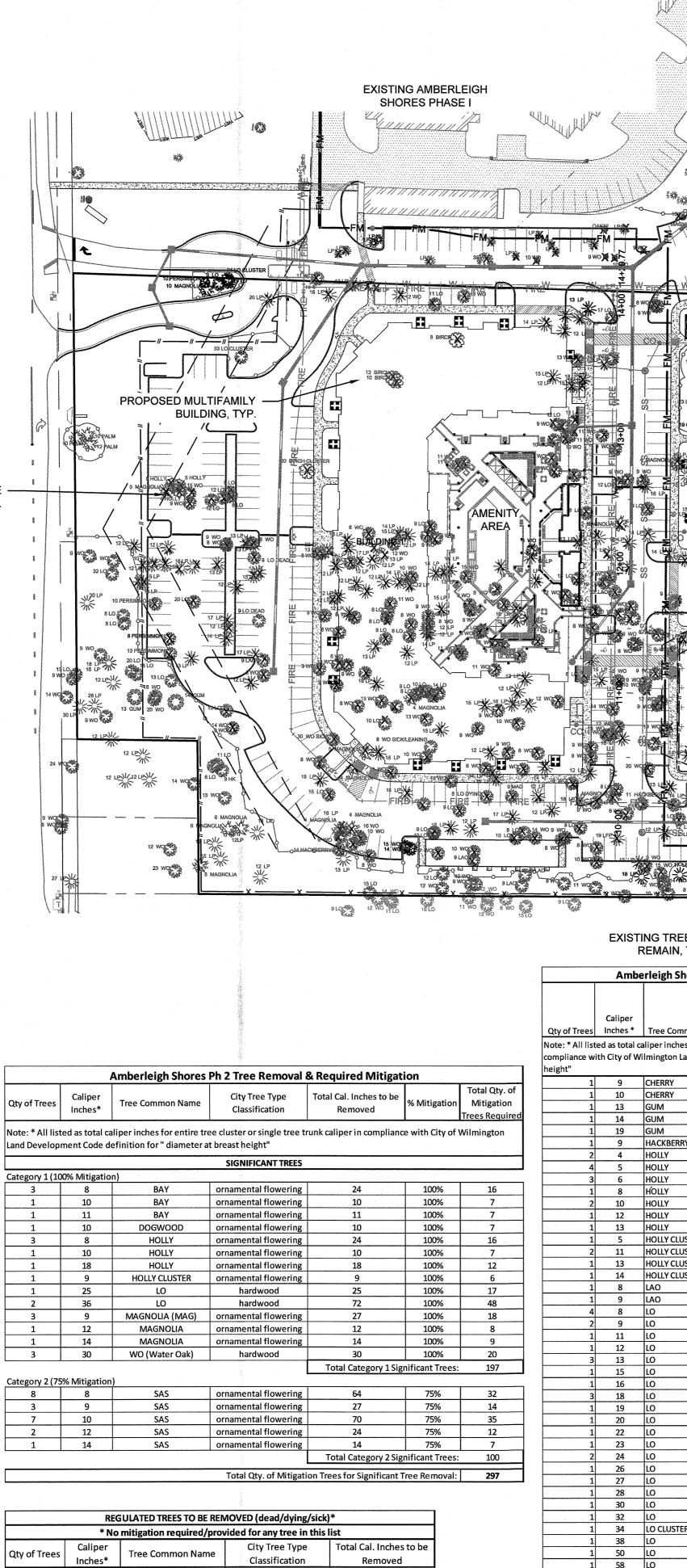
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hardwood

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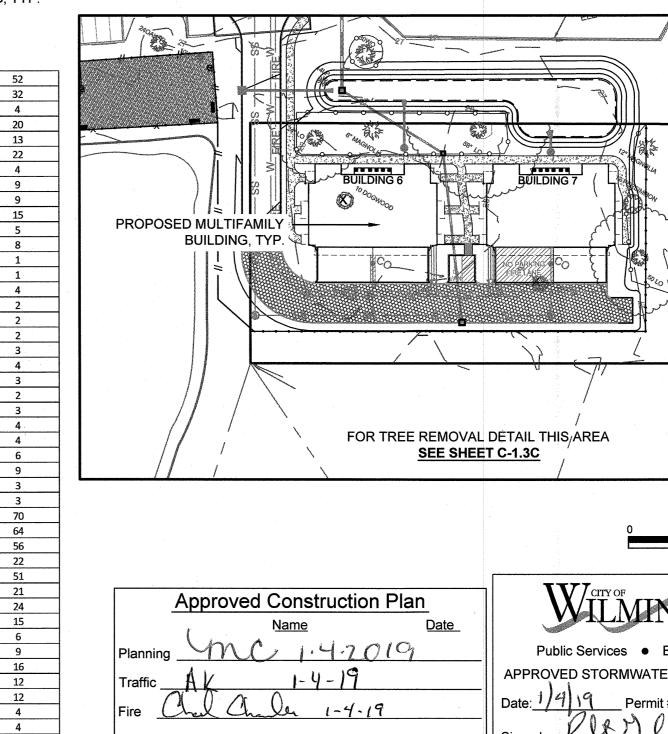
hardwood

hardwood

LO (DEAD)

1 8 WO (SICK/LEANING)
1 30 WO (SICK)

	7,000					- 1	**	20 12			
		ING TREE TO — REMAIN, TYP.	PF		STORAGE — NGS, TYP.					TREE PRO	TECTION NG, TYP.
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	Allibe	Fileigh Shores Fil 2	. Hee Fleselv	ation Credit	T						
			Total Tree	City Tree	Mitigation Credit for						
	Caliper		Caliper Inches	Mitigation	Preserved Trees	13	20	LP	260	4	52
of Trees	•	Tree Common Name		Credit	(# of trees)	8	22	LP	176	4	32
		aliper inches for entire		gle tree trunk ca	liperin	1	23	LP	23	4	4
		ilmington Land Develor				5	24	LP	120	4	20
ght"	-			<u>:</u>		5	25 26	LP LP	75 130	4 4	13 22
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1	10	CHERRY	10	2	2	2	27	LP	54	5	9
1	13 14	GUM	13 14	3	3 3	2	28	LP	56	5	9
1	19	GUM	19	4	4	3	30	LP	90	5	15
1	9	HACKBERRY (HK)	9	2	2	1	32	LP	32	5	5
2	4	HOLLY	8	1	2	1	48	LP	48	8	8
4	5	HOLLY	- 20	1	4	1	4	MAGNOLIA	5	1	1
3	. 6	HOLLY	18	2	6	2	5 6	MAGNOLIA MAGNOLIA	12	2	1 4
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2 1	10 12	HOLLY	20	3	3	1	8	MAGNOLIA	8	2	2
1	13	HOLLY	13	3	3	1	10	MAGNOLIA	10	2	2
1	5	HOLLY CLUSTER	5	1	1	1	12	MAGNOLIA	12	3	3
2	-11	HOLLY CLUSTER	22	2	4	2	10	PALM	20	2	4
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1	22	LO	22	4	4	7	13	wo	91	3	21
1	23	LO	23	4	4	8	14	WO	112	3	24
2	24	LO	48	4	8	5	15	WO	75	3	15
1	26	LO	26	4	4	2	16	WO	32	3	6
1	27	LO	27	5	5	3	17	WO	51	3	9
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1	38	ro	38	6	6	1	23	wo	23	4	4
1	50	LO	50	8	8	1	24	wo	24	4	4
1	58	LO	58	10	10	1	26	WO	26	4	4
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2	17	LP	34	3	6			EA = 16.0 ACRE			
7		LP	126	4	28			BED ACRE = 22			
	-			-	-	11(220/2)	J I OINL	LD NOIL - ZZ	(10 NEWD)		



For each open utility cut of

City streets, a \$325 permit

shall be required from the

City prior to occupancy

and/or project acceptance

40 NON-ESSENTIAL PARKING SPACES (NO

REGULATED TREES

REMOVED IN THIS AREA)

SEE DETAIL PLANS AS NEEDED

TREE PROTECTION

CONSTRUCTION

EXISTING WETLANDS,

Public Services • Engineering Division APPROVED STORMWATER MANAGEMENT PLAN Date: 1/4/19 Permit # 2018895

GRAPHIC SCALE

OVERALL SITE PLAN AND TREE

REMOVAL AND MITIGATION LEGEND

MOT RELE DESIGN 0)28852 **CONGINEES** MY R. BLY

PEI JOB#: 16105.PE

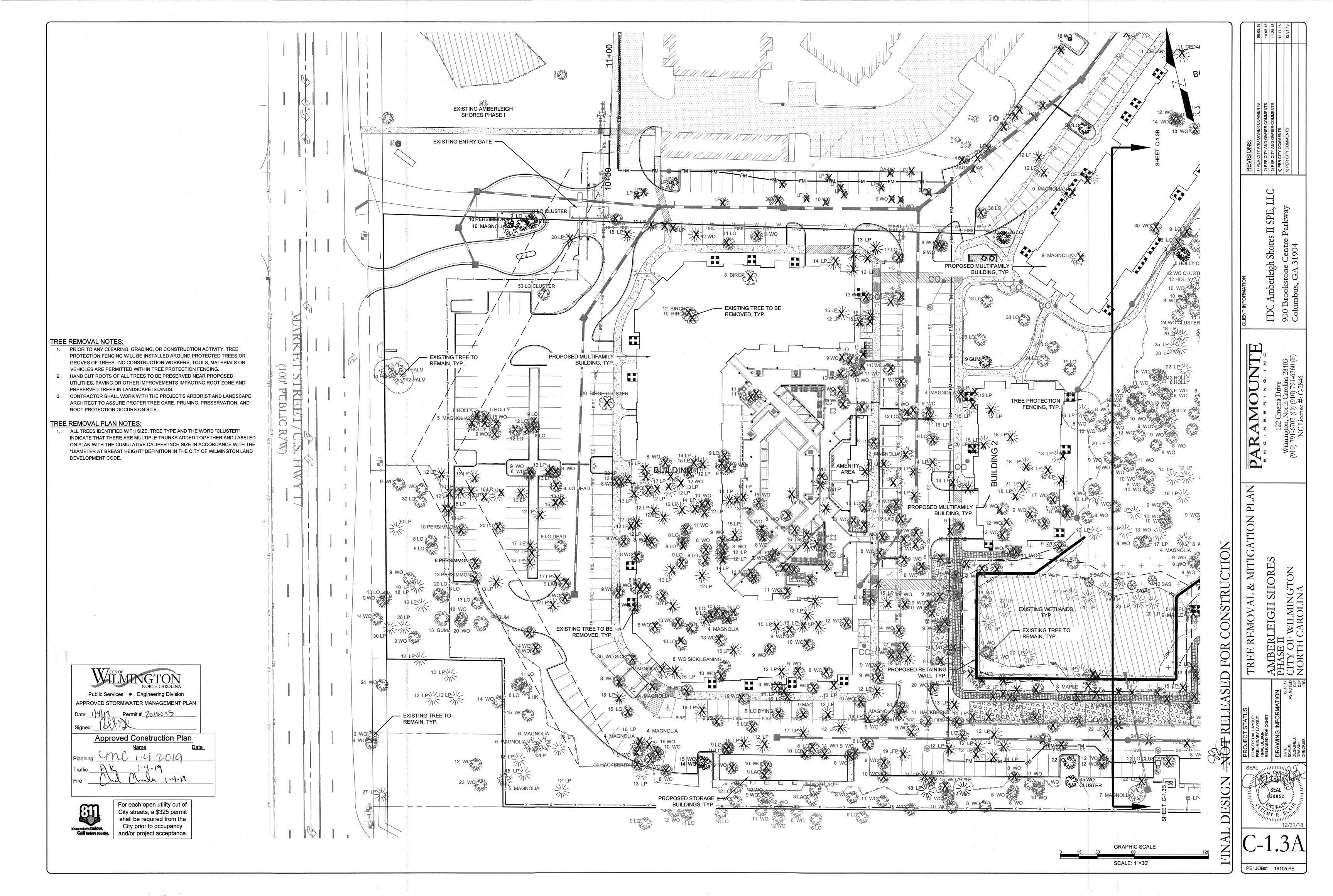
TREE PROTECTION

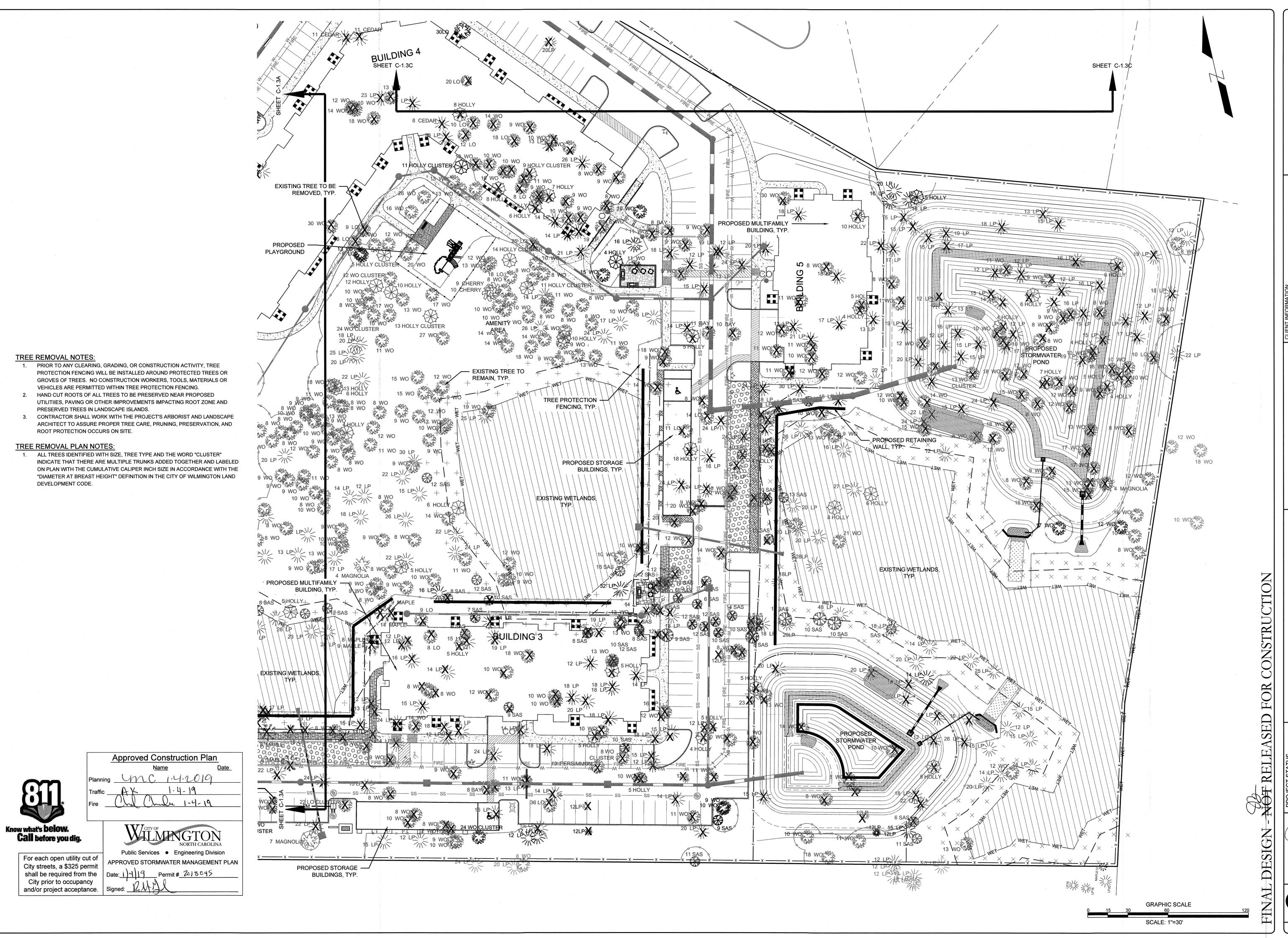
CONSTRUCTION

SPE,

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MBERLEIGH SHORES HASE II

TREE REMOVAL & MITIGATION

PROPOSED STORMWATER EXISTING TREE TO REMAIN, TYP. PROPOSED MULTIFAMILY BUILDING, TYP. - EXISTING TREE TO BE REMOVED, TYP. OING 4 SHEET C/1.3B 10 HOLLY GRAPHIC SCALE SCALE: 1"=30"

Amberleigh Shores II SPE,

PARAMOUNTE

TREE REMOVAL & MITIGATION AMBERLEIGH SHORES

PEI JOB#: 16105.PE

JO-HOT RELEASED FOR

TREE REMOVAL NOTES:

- 1. PRIOR TO ANY CLEARING, GRADING, OR CONSTRUCTION ACTIVITY, TREE PROTECTION FENCING WILL BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES. NO CONSTRUCTION WORKERS, TOOLS, MATERIALS OR VEHICLES ARE PERMITTED WITHIN TREE PROTECTION FENCING. 2. HAND CUT ROOTS OF ALL TREES TO BE PRESERVED NEAR PROPOSED
- UTILITIIES, PAVING OR OTHER IMPROVEMENTS IMPACTING ROOT ZONE AND PRESERVED TREES IN LANDSCAPE ISLANDS.
- 3. CONTRACTOR SHALL WORK WITH THE PROJECT'S ARBORIST AND LANDSCAPE ARCHITECT TO ASSURE PROPER TREE CARE, PRUNING, PRESERVATION, AND ROOT PROTECTION OCCURS ON SITE.

TREE REMOVAL PLAN NOTES:

1. ALL TREES IDENTIFIED WITH SIZE, TREE TYPE AND THE WORD "CLUSTER" INDICATE THAT THERE ARE MULTIPLE TRUNKS ADDED TOGETHER AND LABELED ON PLAN WITH THE CUMULATIVE CALIPER INCH SIZE IN ACCORDANCE WITH THE "DIAMETER AT BREAST HEIGHT" DEFINITION IN THE CITY OF WILMINGTON LAND DEVELOPMENT CODE.



Know what's **below. Call** before you dig.

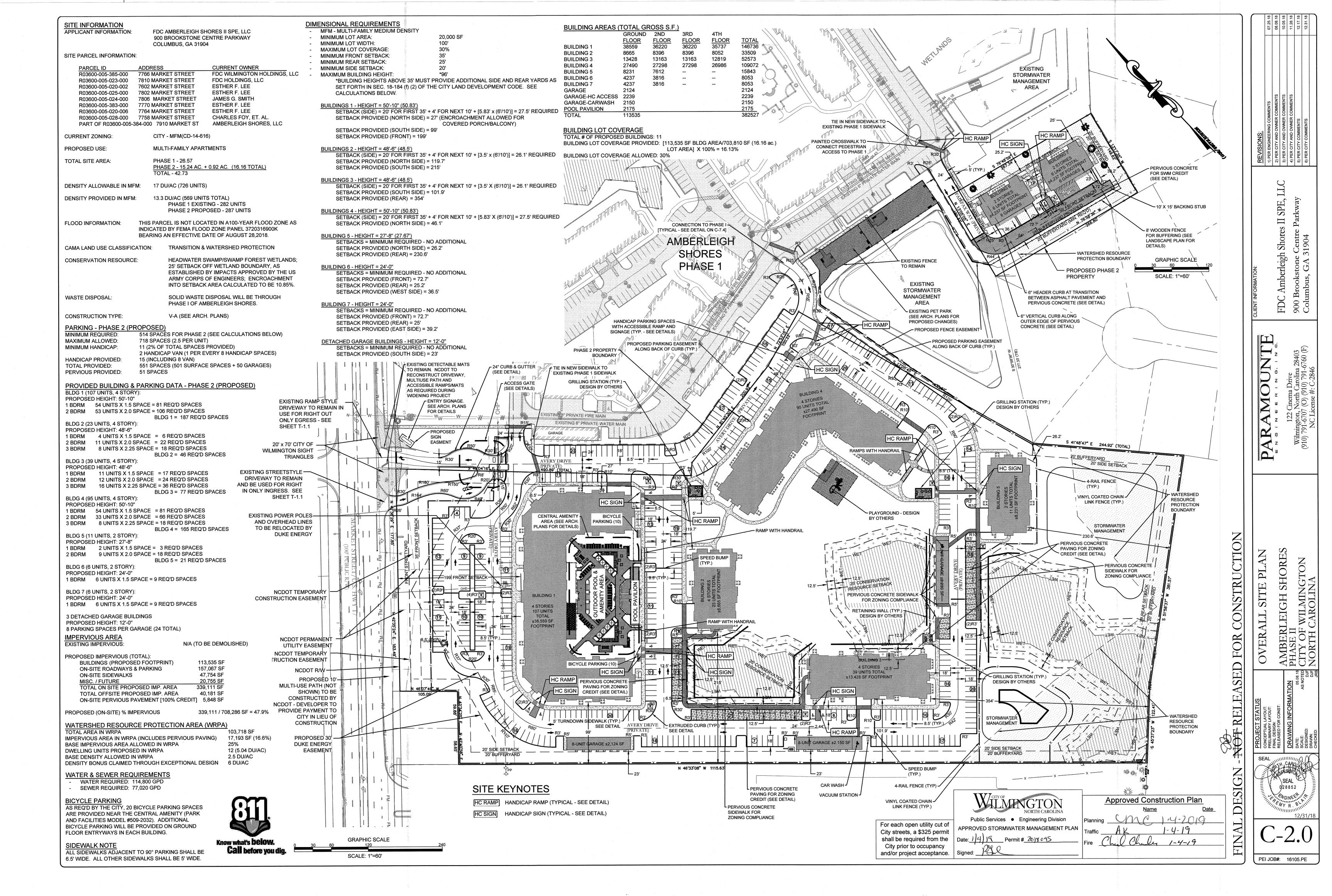
Approved Construction Plan mc 1.4.2019

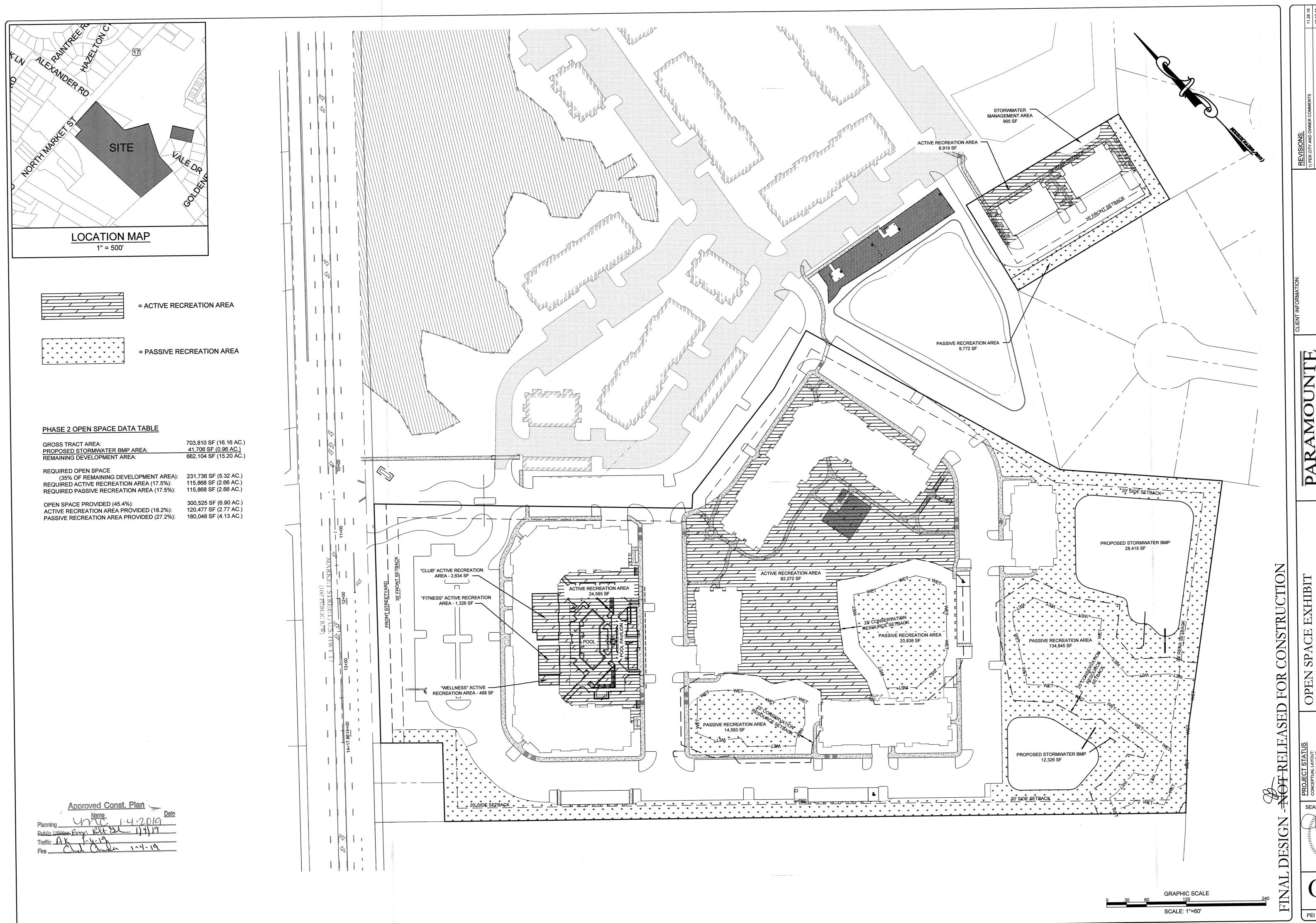
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Public Services • Engineering Divisior APPROVED STORMWATER MANAGEMENT

Date: 1415 Permit # 2018645

Signed:





REVISIONS:

1) PER CITY AND OWNER COMMENTS

2) PER CITY COMMENTS

3) PER CITY COMMENTS

C Amberleigh Shores II SPE, LLC Brookstone Centre Parkway

nema Drive orth Carolina 28403 O) (910) 791-6760 (F) Colu

122 Cinema Drive Wilmington, North Carolina 2 (910) 791-6707 (O) (910) 791-6

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PRELIMINARY LAYOUT:
FINAL DESIGN:
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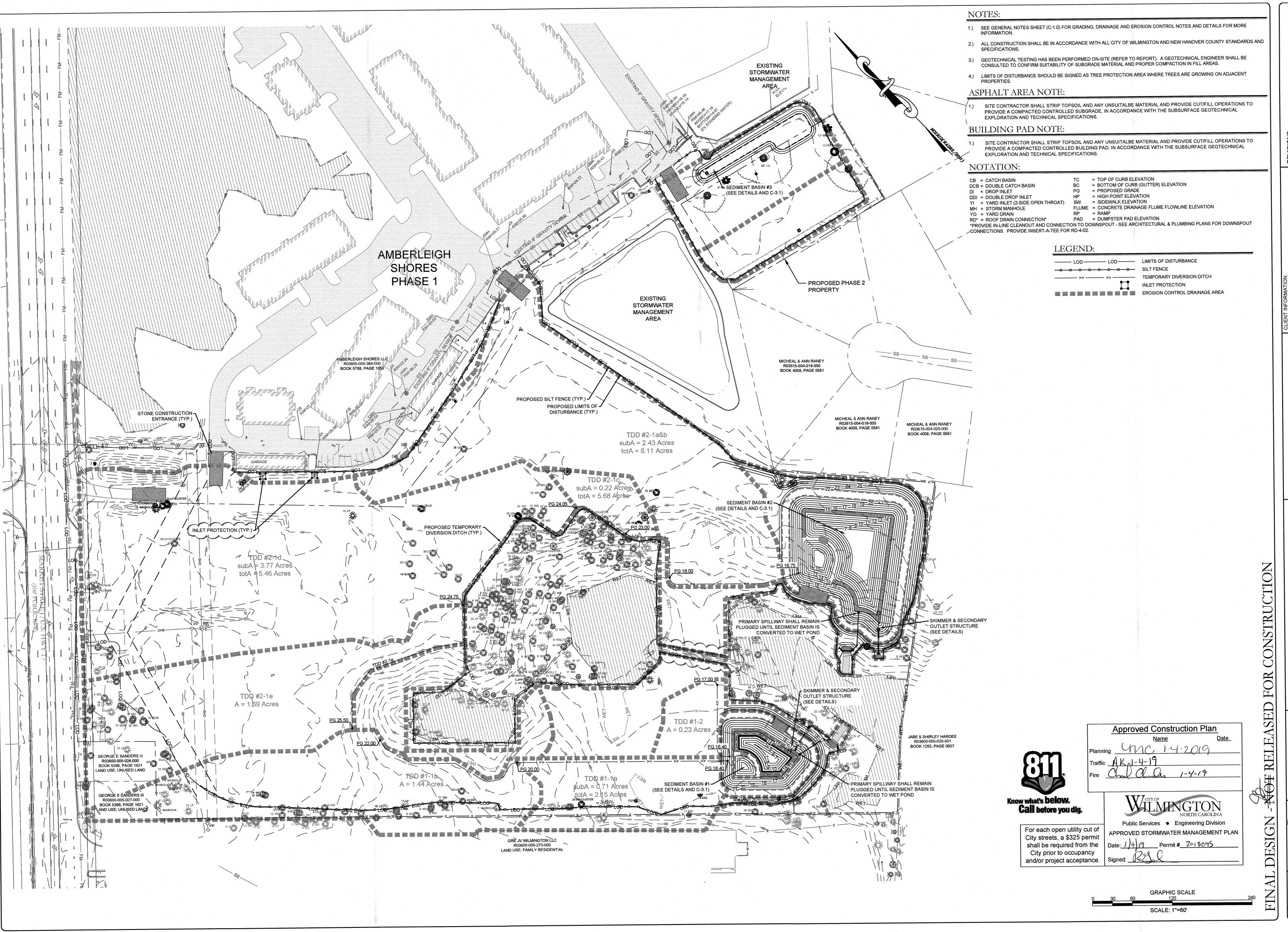
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| TEVISIONS: | 1) PER NHC COMMENTS | 08.12.18 | 2) PER CITY AND OWNER COMMENTS | 11.28.18 | 3) PER CITY COMMENTS | 12.31.18 | 4) PER CITY COMMENTS | 12.31.18 | 13.31.18 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31.38 | 13.31

mberleigh Shores II SPE, LLC ookstone Centre Parkway

28403 FDC Am 5760 (F) Columbu

122 Cinema Dr Wilmington, North Car (910) 791-6707 (O) (910) NC License #: C-

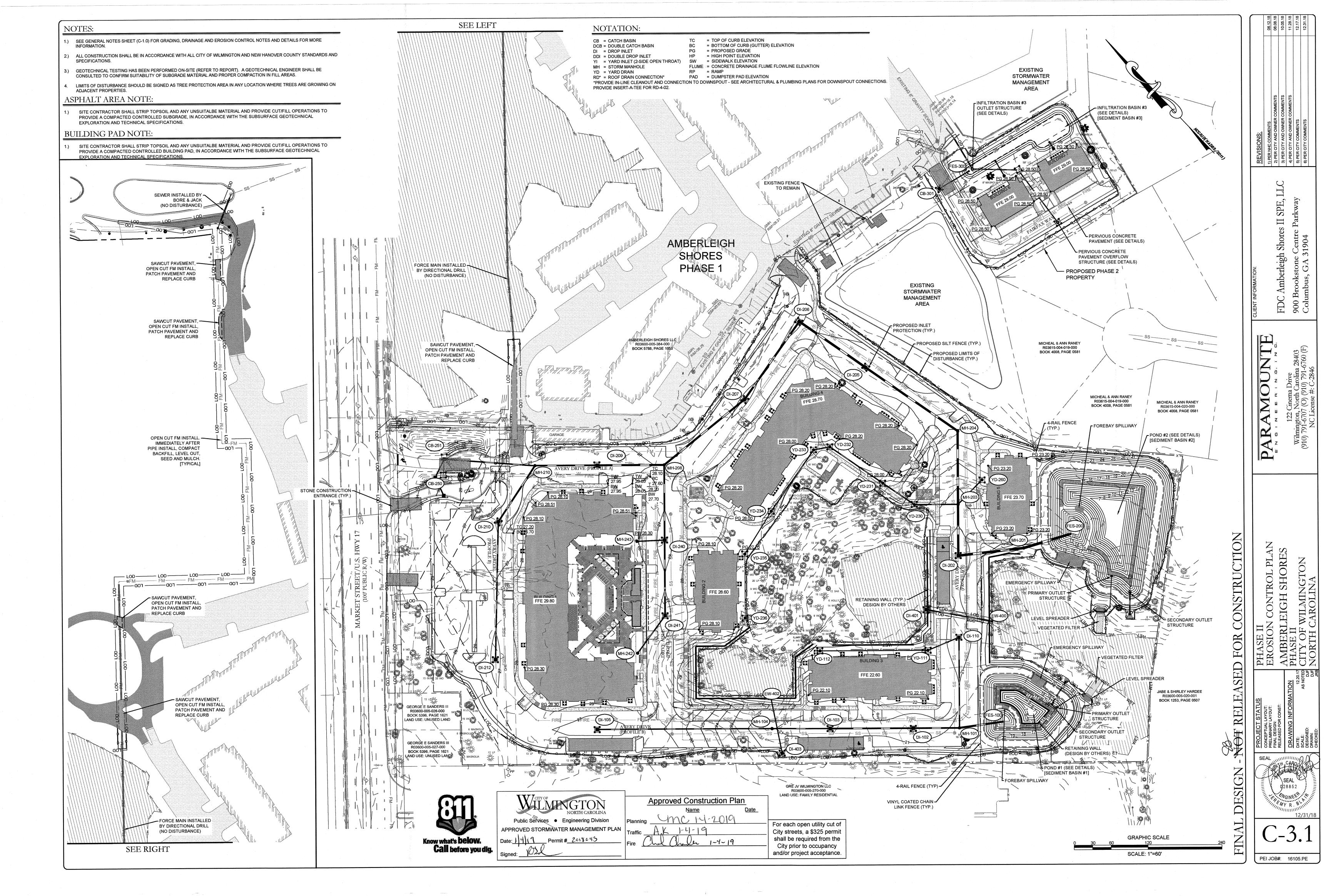
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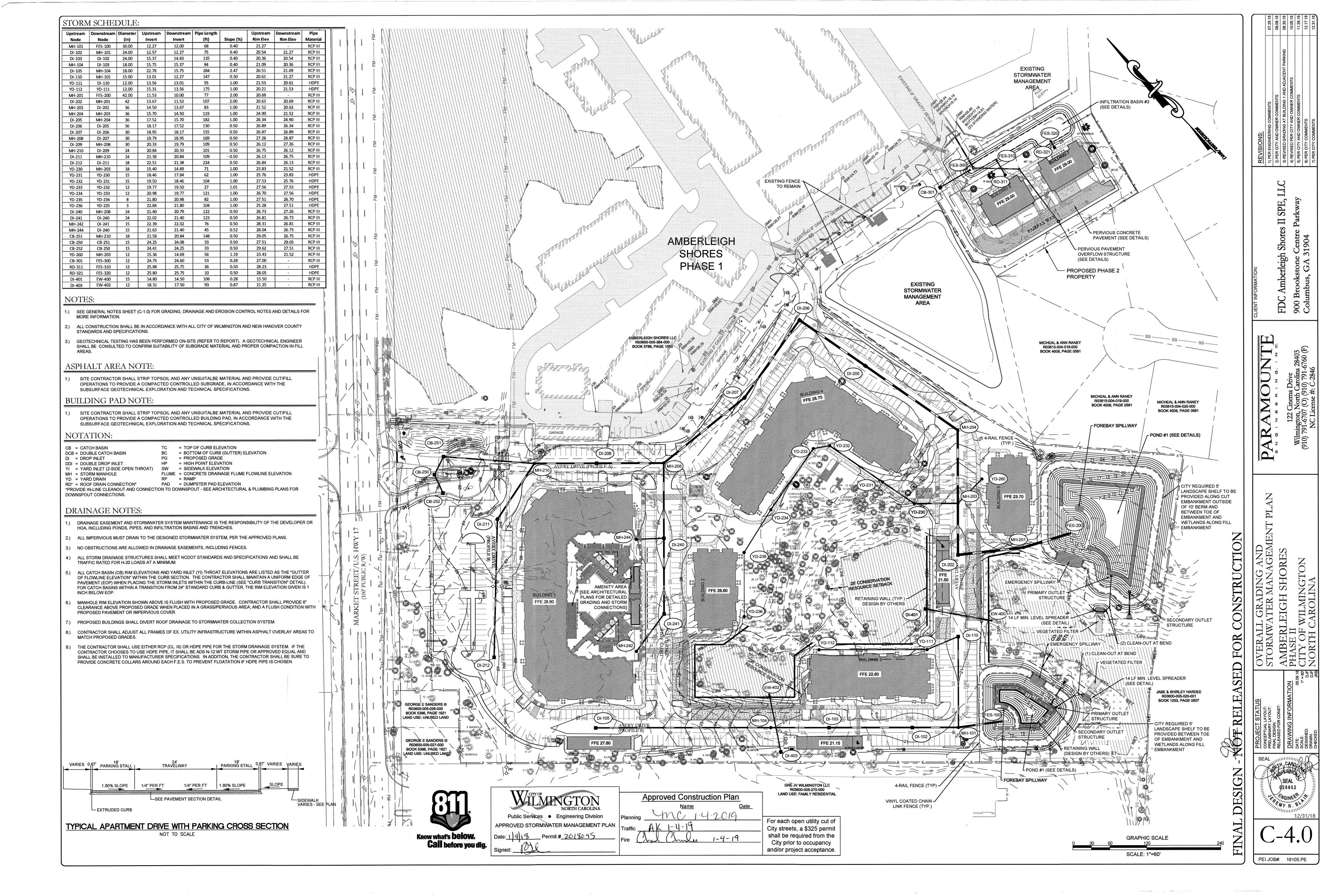
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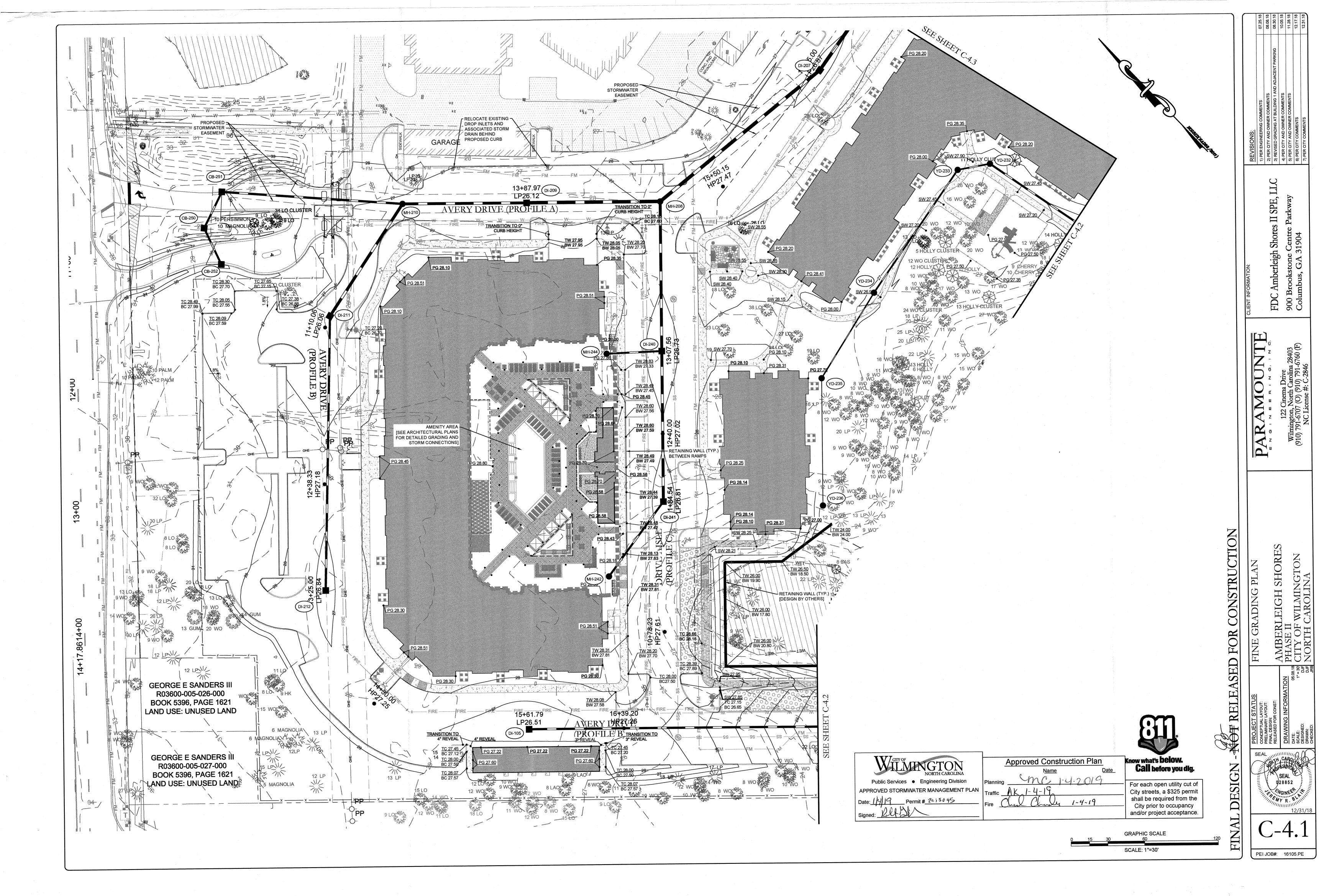
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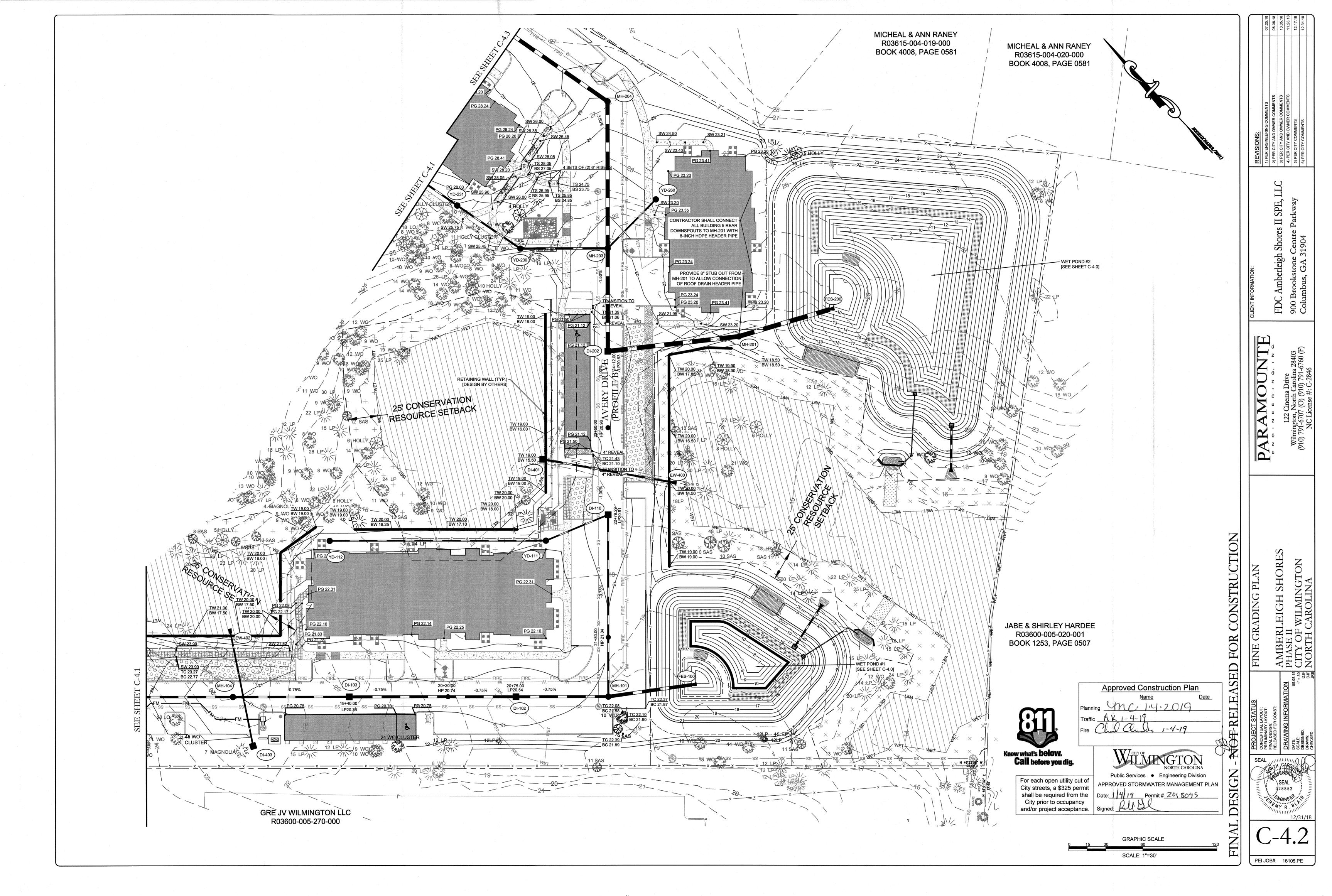
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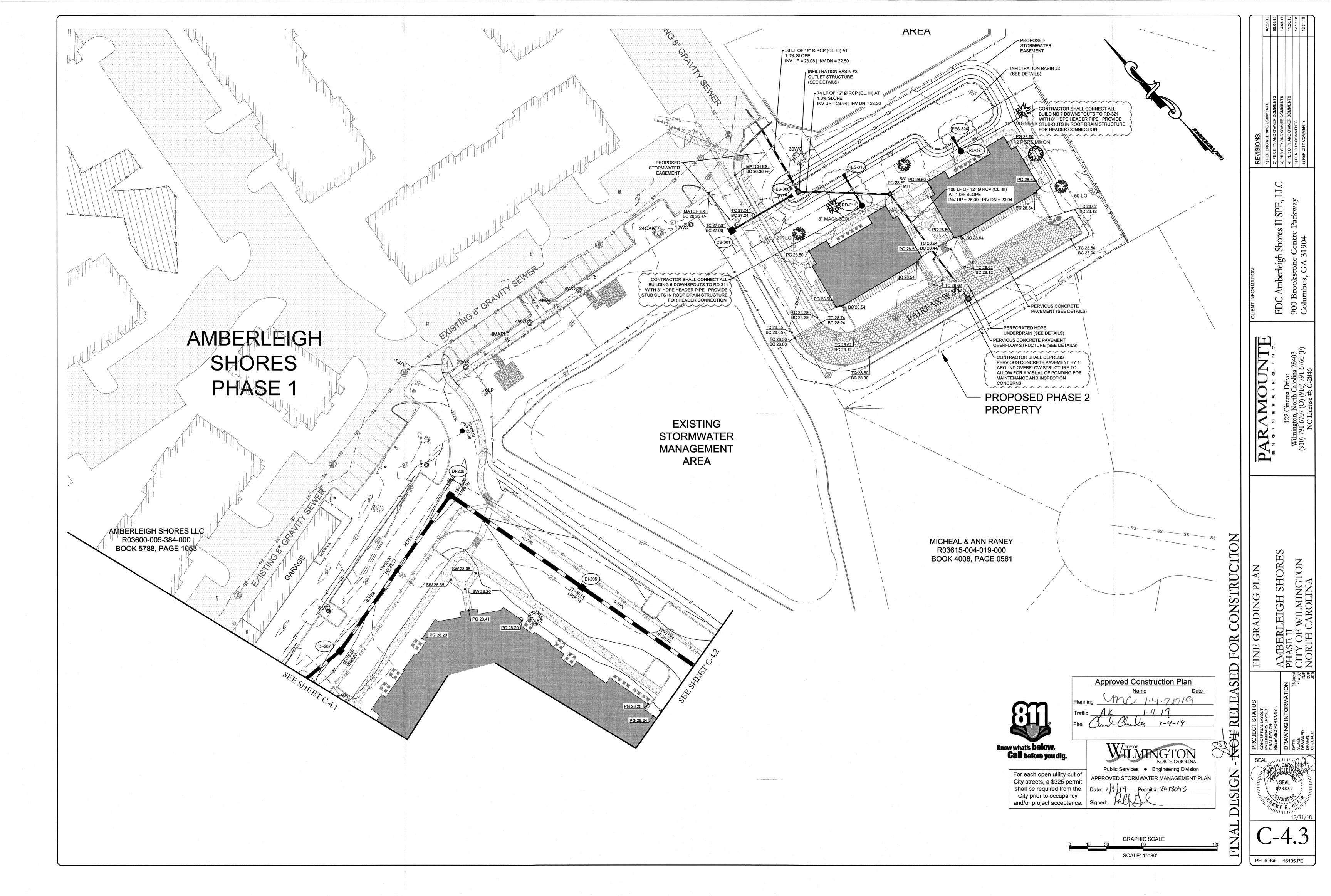
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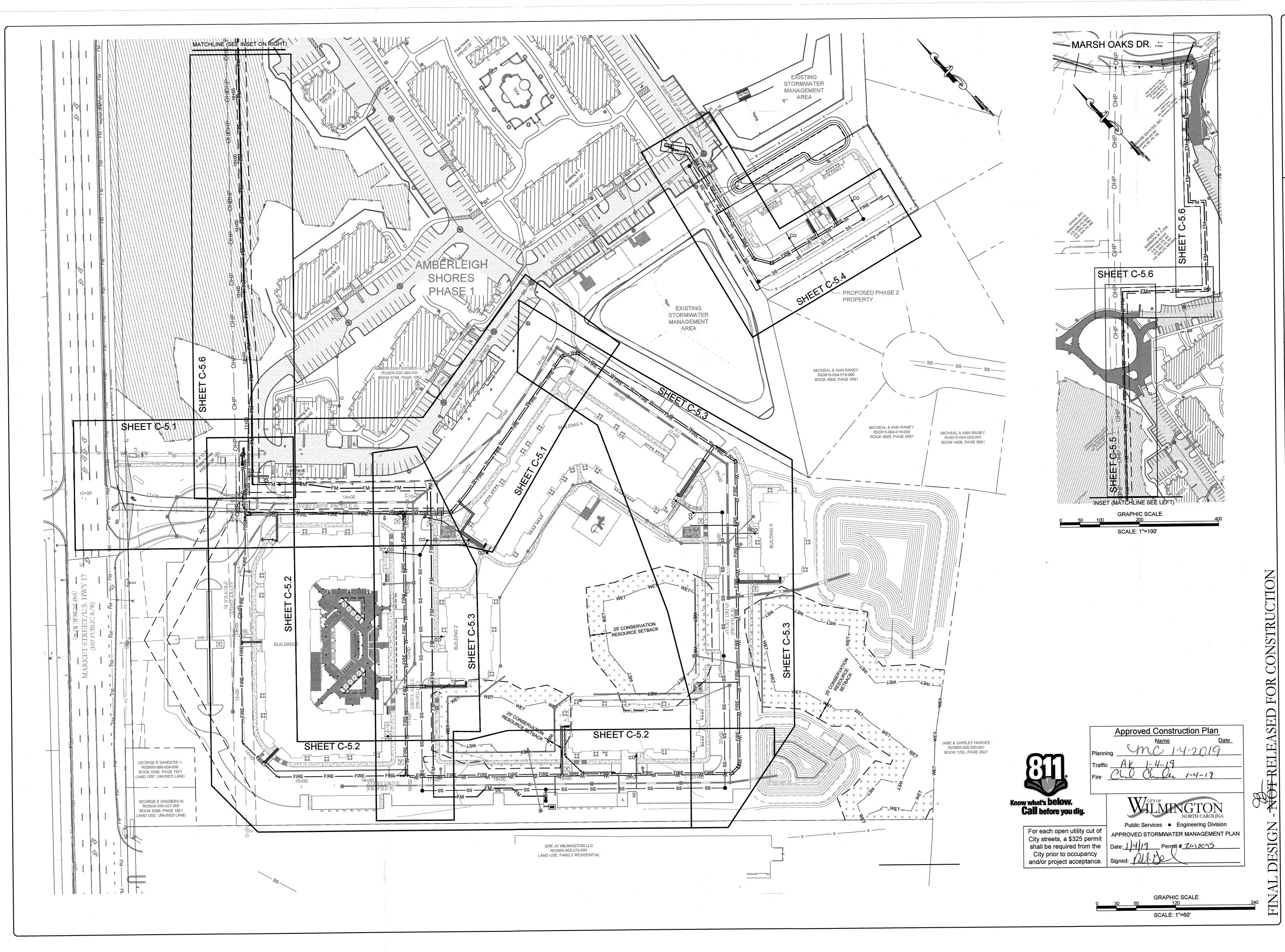












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ENGINE BEING IN STR. IN STR. II SPE, LLC

122 Ginema Drive

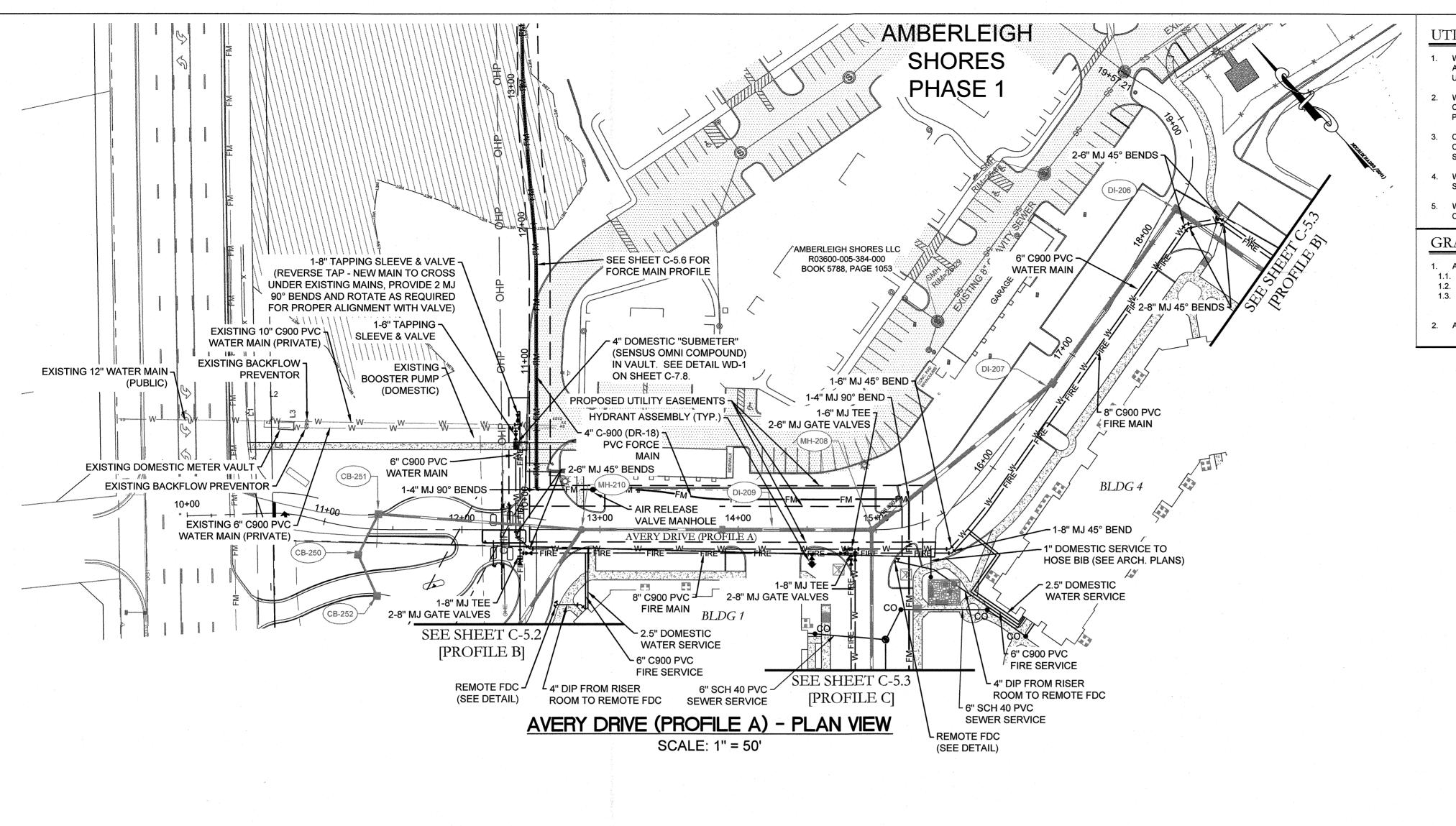
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CITY OF WILMINGTON

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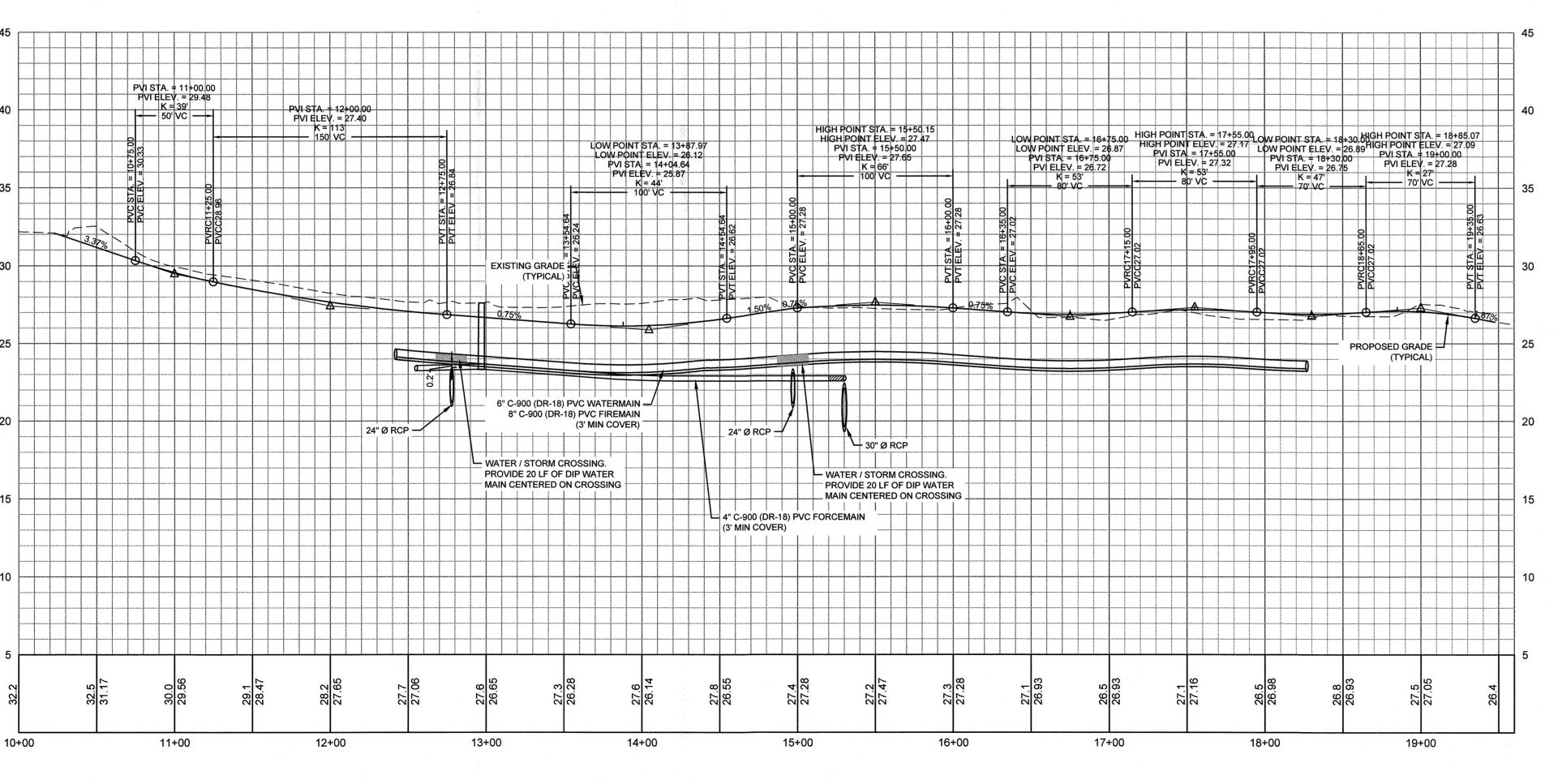


UTILITY NOTES: (NCAC 15A.02T.0305 / T15A.18C.0906)

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- 2. ALL SEWER PIPE MATERIALS, INSTALLATION, AND TESTING SHALL MEET WATER MAIN STANDARDS WHEN LOCATED WITHIN 50' OF WETLANDS.





Know what's **below. Call** before you dig.

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

AVERY DRIVE (PROFILE A) - PROFILE VIEW

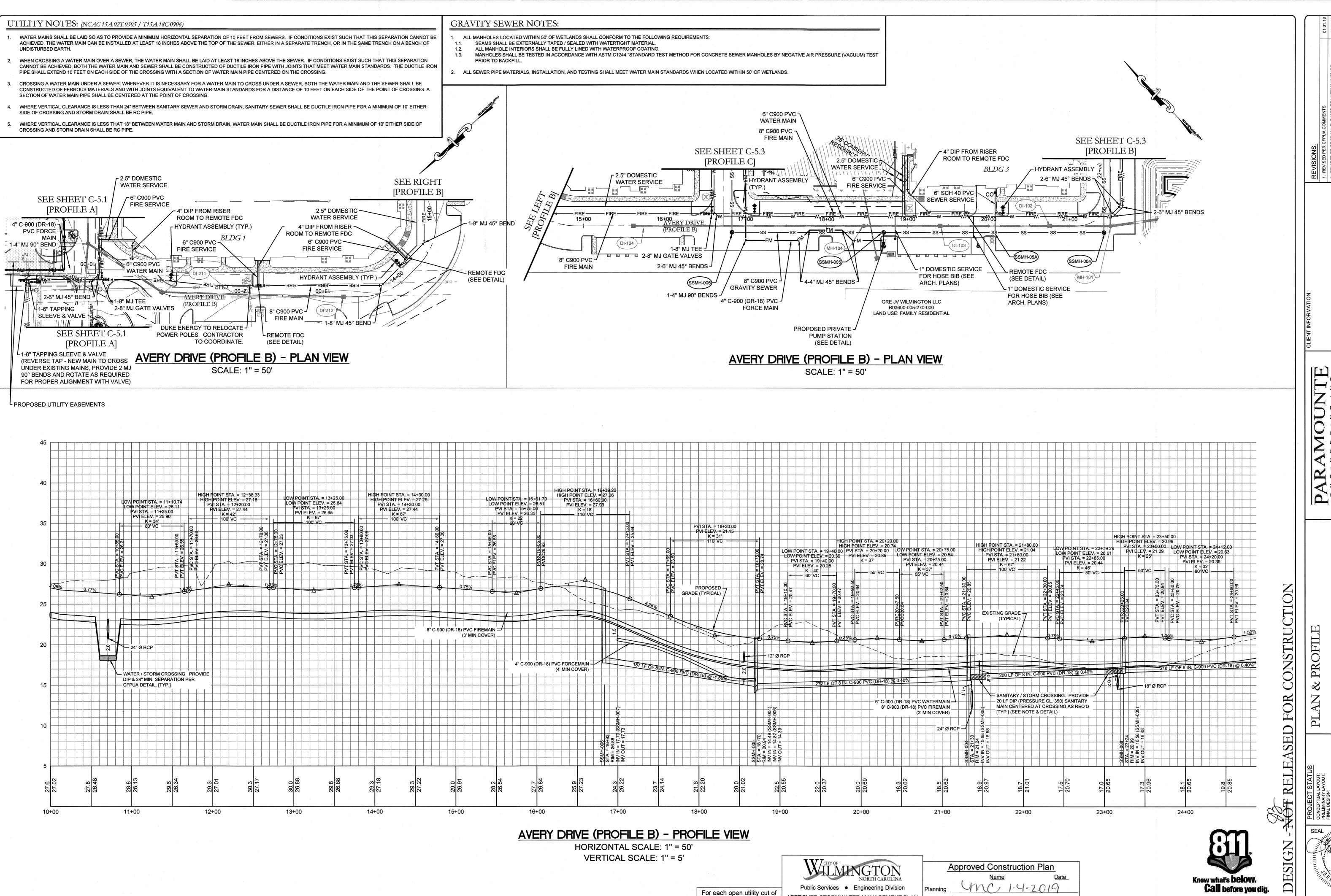
HORIZONTAL SCALE: 1" = 50' VERTICAL SCALE: 1" = 5'

GRAPHIC SCALE

SCALE: 1"=50'

AMBERLEIGH SHORES
PHASE II
CITY OF WILMINGTON
NORTH CAROLINA

RELEASED FOR



City streets, a \$325 permit shall be required from the City prior to occupancy

and/or project acceptance.

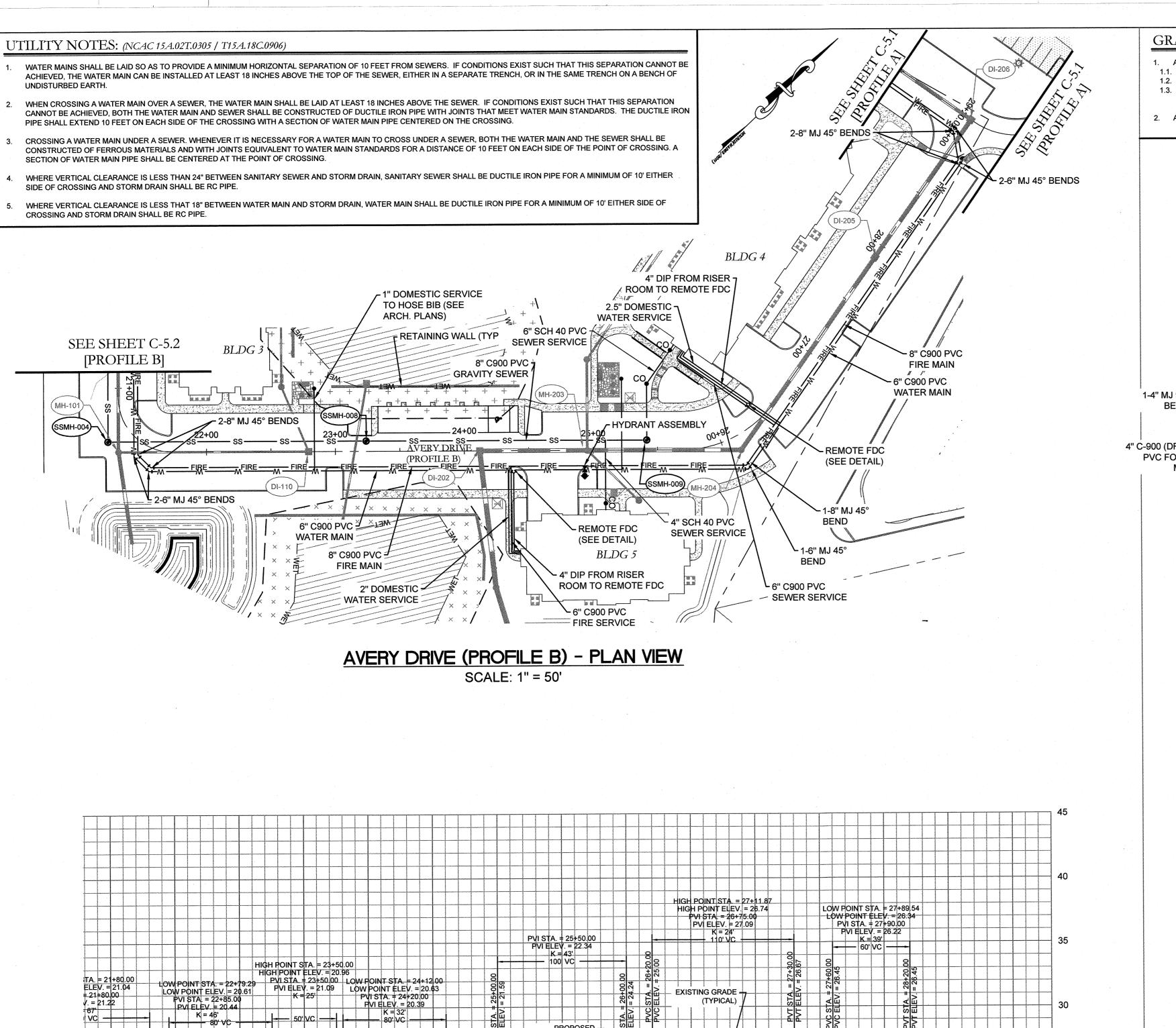
GRAPHIC SCALE

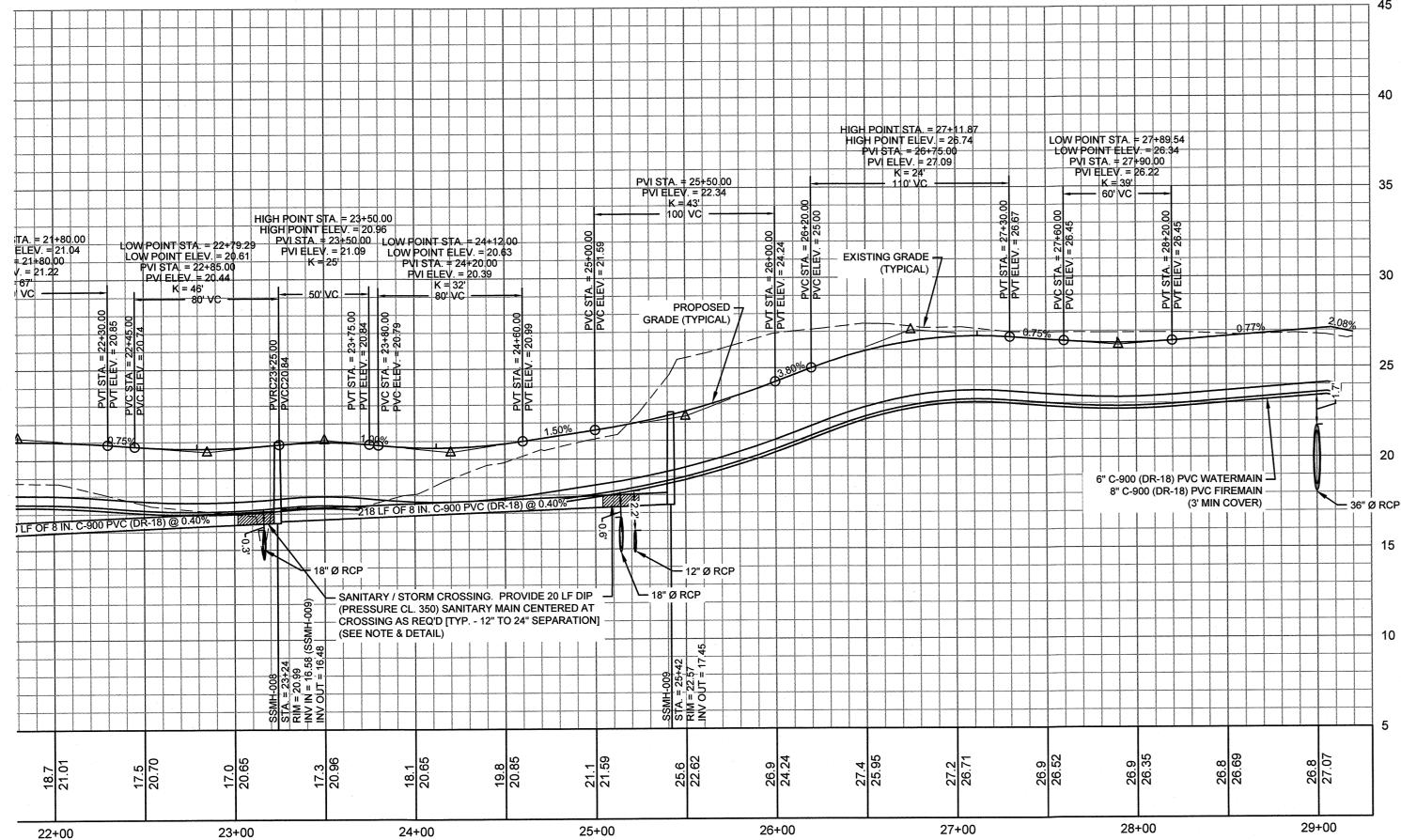
SCALE: 1"=50"

SHORES

PEI JOB#: 16105.PE

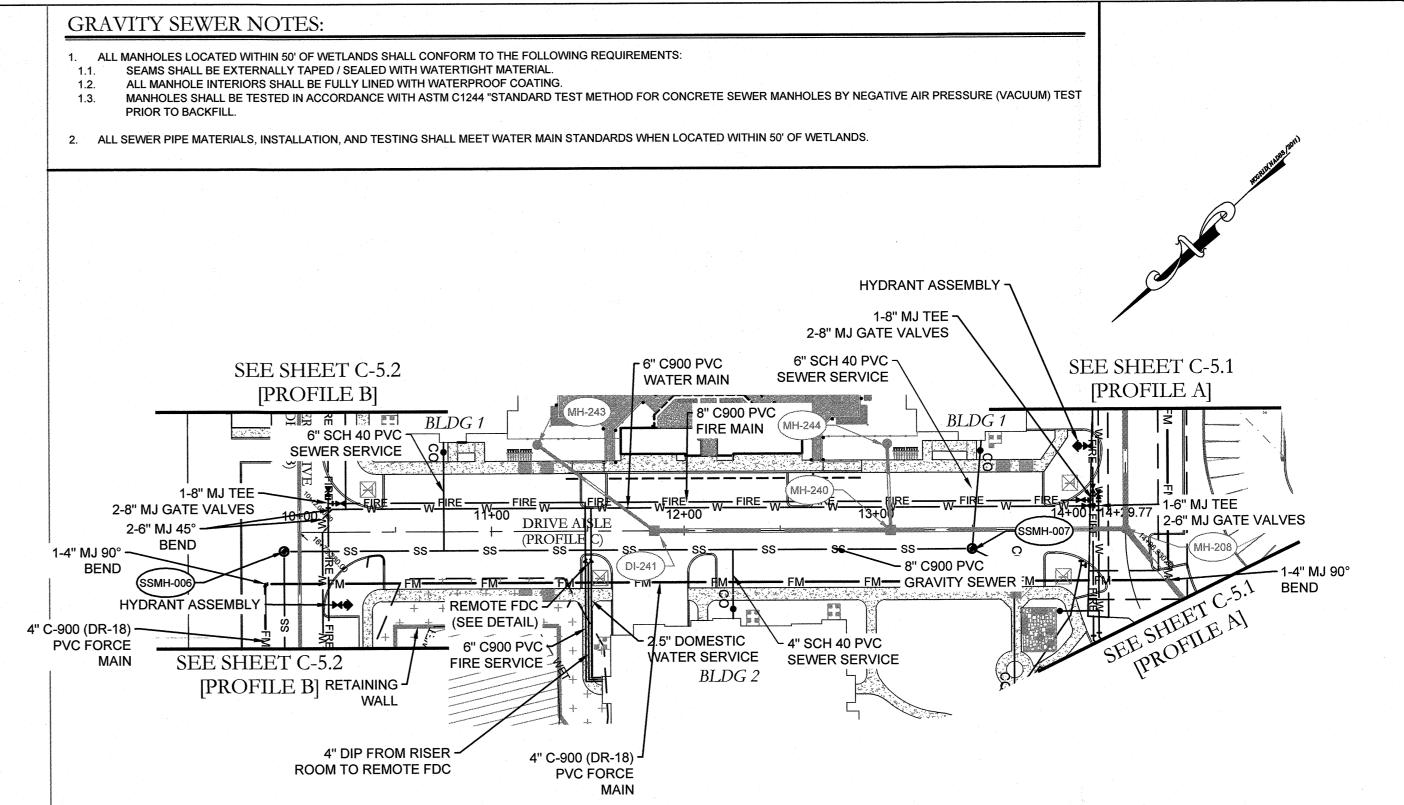
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AVERY DRIVE (PROFILE B) - PROFILE VIEW

HORIZONTAL SCALE: 1" = 50' VERTICAL SCALE: 1" = 5'



DRIVE AISLE (PROFILE C) - PLAN VIEW

HIGH POINT STA. = 12+40.00 PVI ELEV. = 26.62 K = 36' PROPOSED -GRADE (TYPICAL) 8" C-900 (DR-18) PVC FIREMAIN

DRIVE AISLE (PROFILE C) - PROFILE VIEW HORIZONTAL SCALE: 1" = 50' VERTICAL SCALE: 1" = 5'

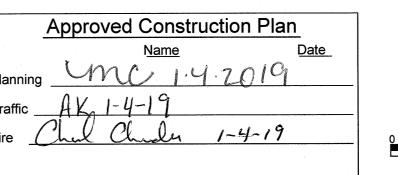
12+00

For each open utility cut of City streets, a \$325 permit Date: 114119 Permit # 2018045 shall be required from the City prior to occupancy and/or project acceptance.

10+00

9+50

11+00



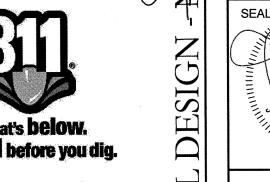
13+00



GRAPHIC SCALE

SCALE: 1"=50'

14+00



PEI JOB#: 16105.PE

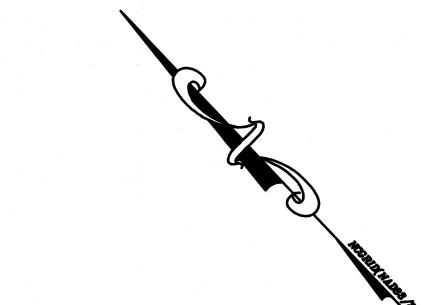
SHORES

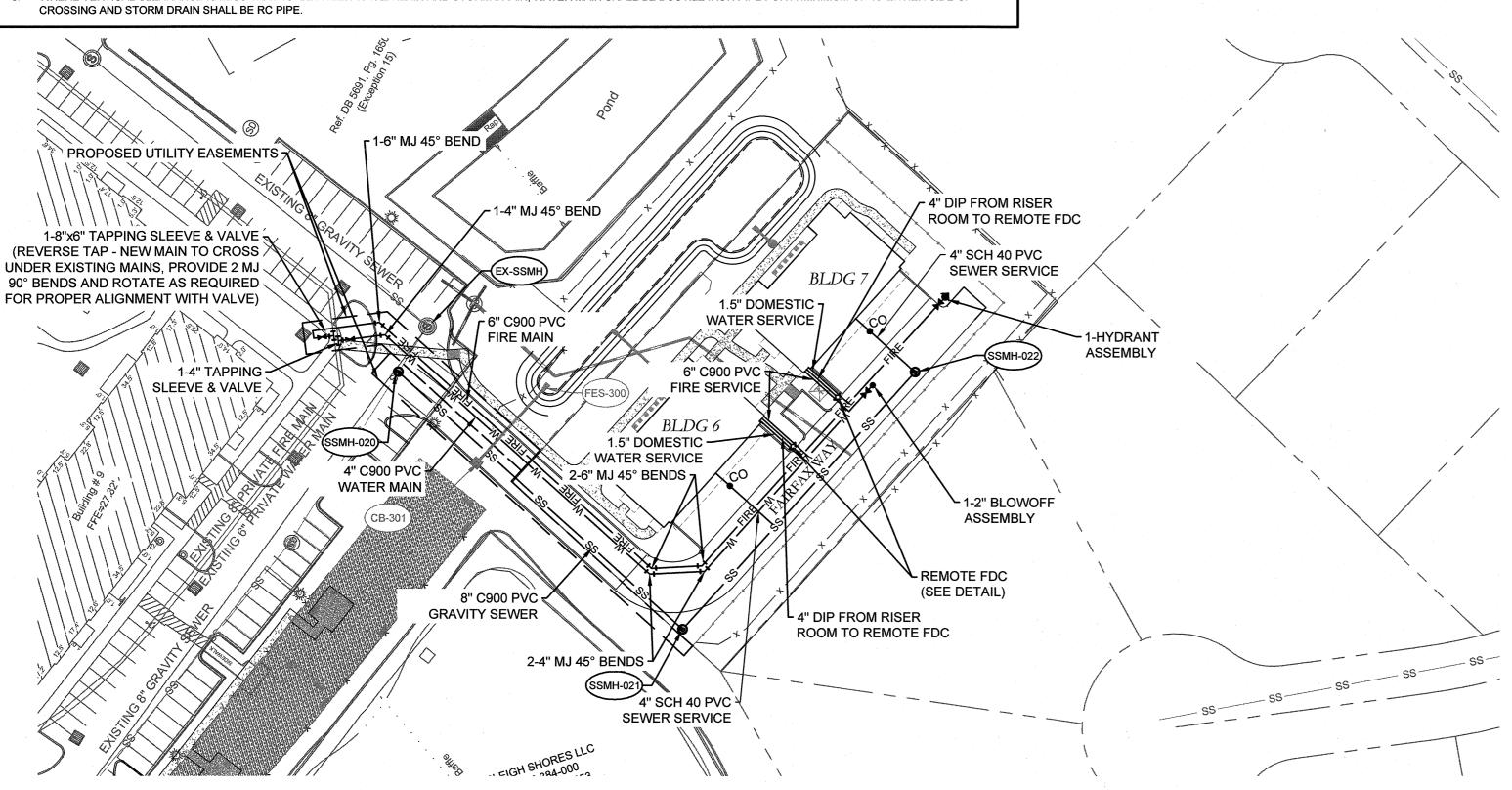
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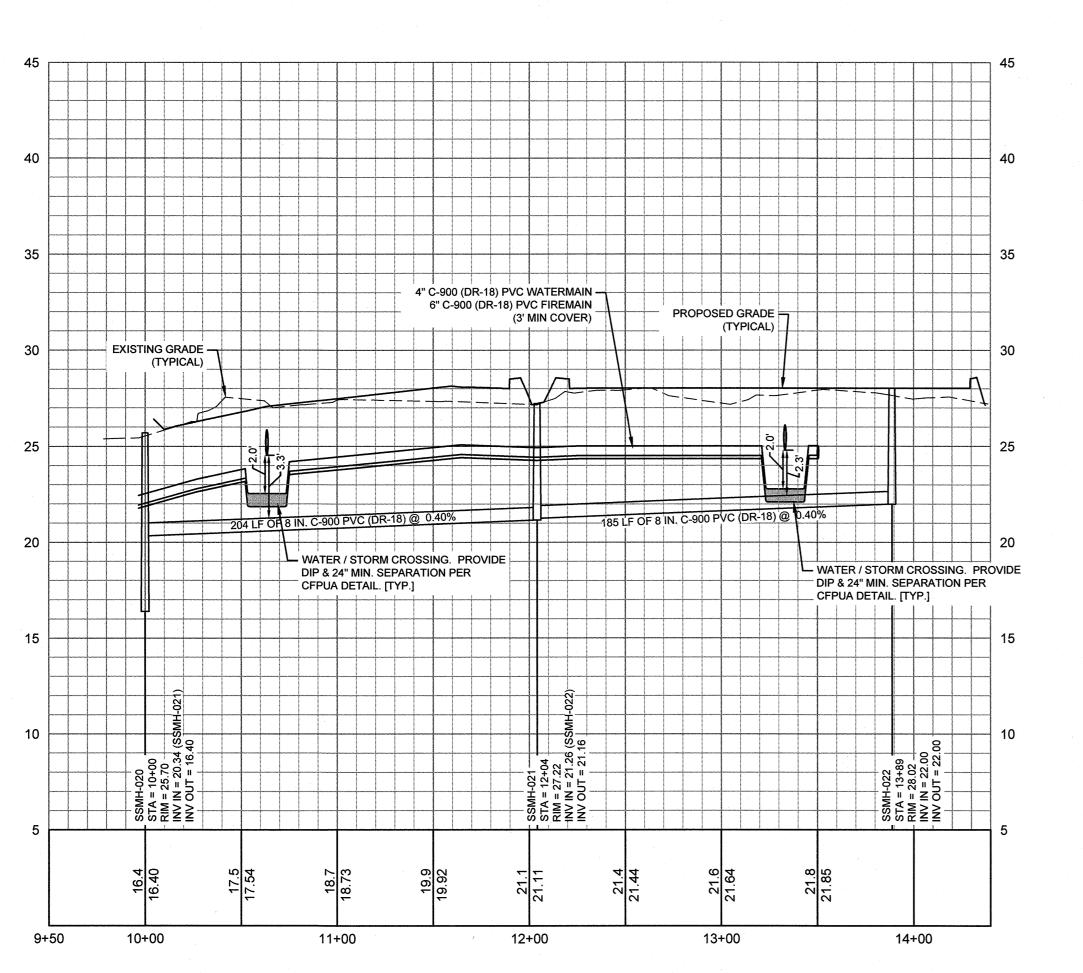
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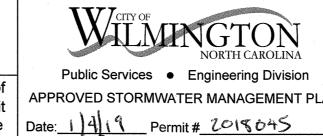


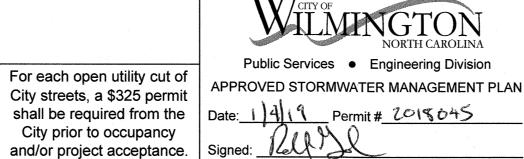
FAIRFAX WAY (SSMH-020 TO SSMH-022) - PLAN VIEW SCALE: 1" = 50'



FAIRFAX WAY (SSMH-020 TO SSMH-022) - PROFILE VIEW

HORIZONTAL SCALE: 1" = 50' VERTICAL SCALE: 1" = 5'





<u> </u>	approved Construction	n Plan
-	<u>Name</u>	Date
Planning _	mc 1.4.21	919
Traffic	AK 1-4-19	
Fire	hal Chulu 1-	4-19



SCALE: 1"=50'

SPE,

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FIRE MAIN

GRAVITY SEWER NOTES:

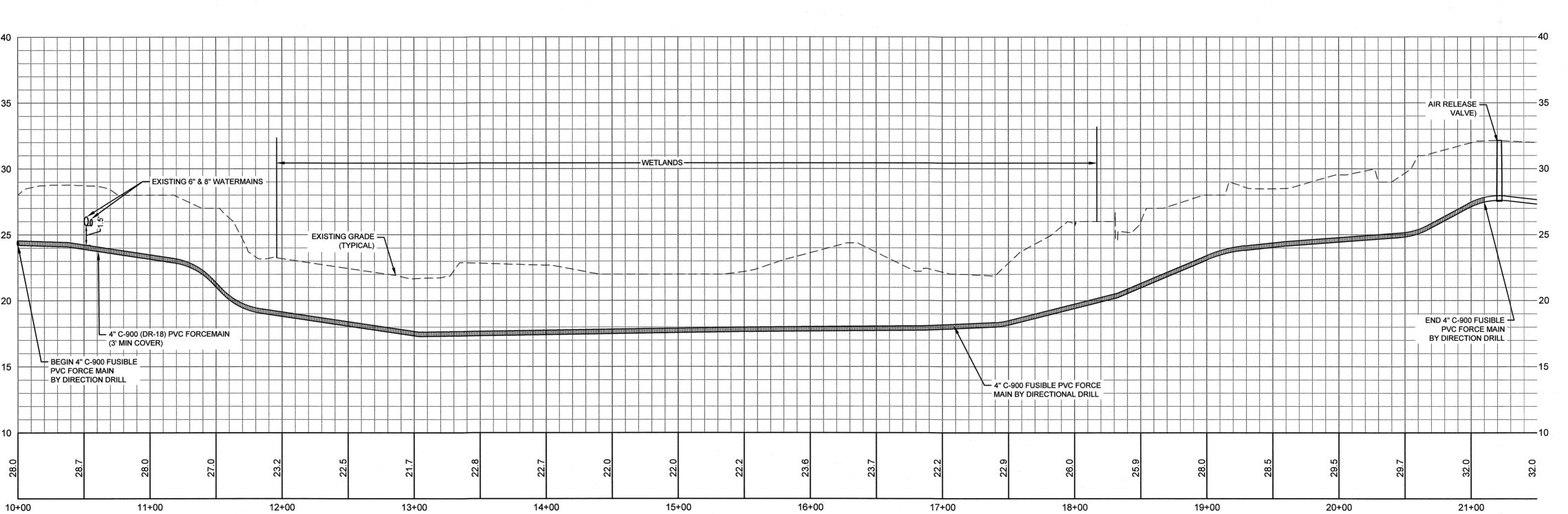
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EXISTING 10" C900 PVC EXISTING 6" C900 PVC -WATER MAIN WATER MAIN 1-8" TAPPING SLEEVE & VALVE 1-6" TAPPING -(REVERSE TAP - NEW MAIN TO CROSS SLEEVE & VALVE UNDER EXISTING MAINS, PROVIDE 2 MJ 90° BENDS AND ROTATE AS REQUIRED 6" C900 PVC ¬ WATER MAIN FOR PROPER ALIGNMENT WITH VALVE) **WETLANDS** PROPOSED UTILITY EASEMENTS 1-4" MJ 90° BENDS END DIRECTIONAL DRILL - OHP -14+00 1-8" MJ TEE 2-8" MJ GATE VALVES 1-4" MJ 90° BENDS PROPOSED UTILITY EASEMENT ✓ 4" C-900 (DR-18) FUSIBLE BEGIN DIRECTIONAL DRILL 6" C900 PVC · ¼ 4" C-900 (DR-18) FUSIBLE PVC FORCE MAIN (BY FIRE SERVICE V PVC FORCE MAIN (BY DIRECTIONAL DRILL) DIRECTIONAL DRILL) 2.5" DOMESTIC -- 2-6" MJ 45° BENDS 🖺 WATER SERVICE 8" C900 PVC -

OFFSITE FORCE MAIN - PLAN VIEW

STA. 10+00 TO STA. 21+04.75

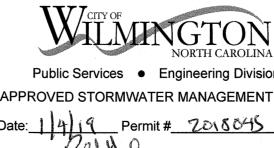
SCALE: 1" = 50'

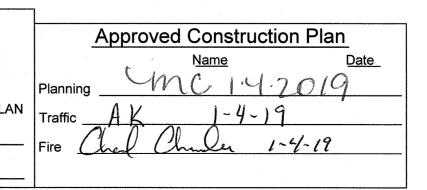


OFFSITE FORCE MAIN - PROFILE VIEW STA. 10+00 TO STA. 21+04.75

HORIZONTAL SCALE: 1" = 50' VERTICAL SCALE: 1" = 5'

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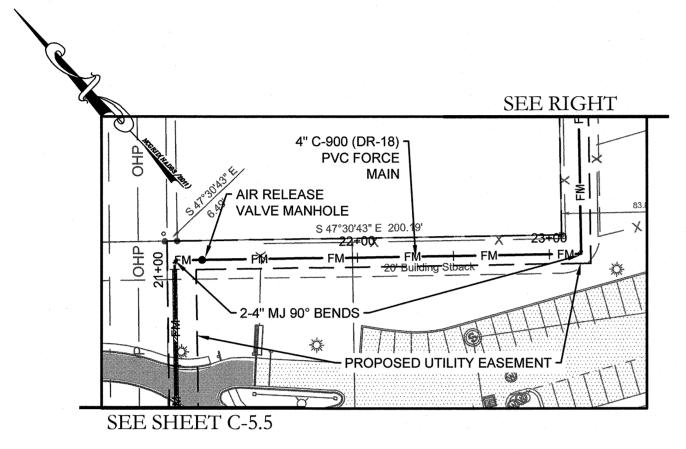




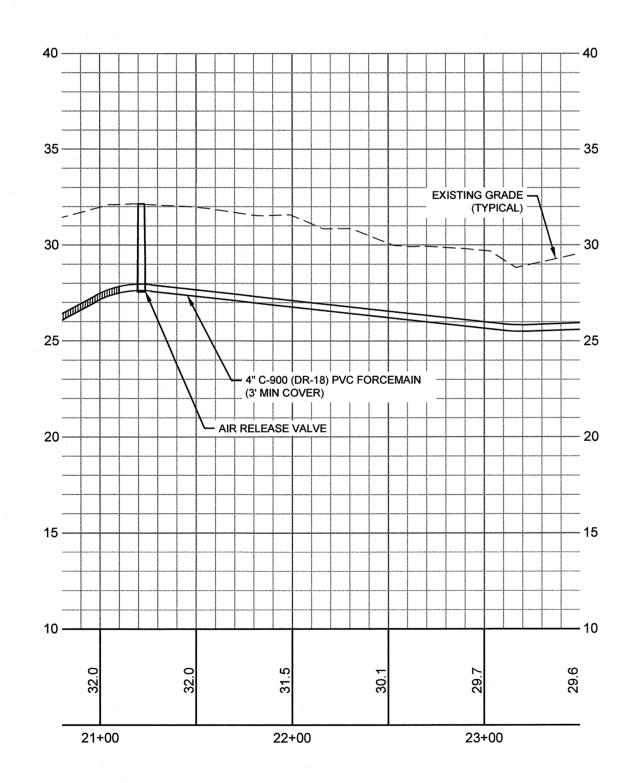
PEI JOB#: 16105.PE

GRAPHIC SCALE SCALE: 1"=50'

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OFFSITE FORCE MAIN - PLAN VIEW STA. 21+04.75 TO STA. 23+16.52 SCALE: 1" = 50'

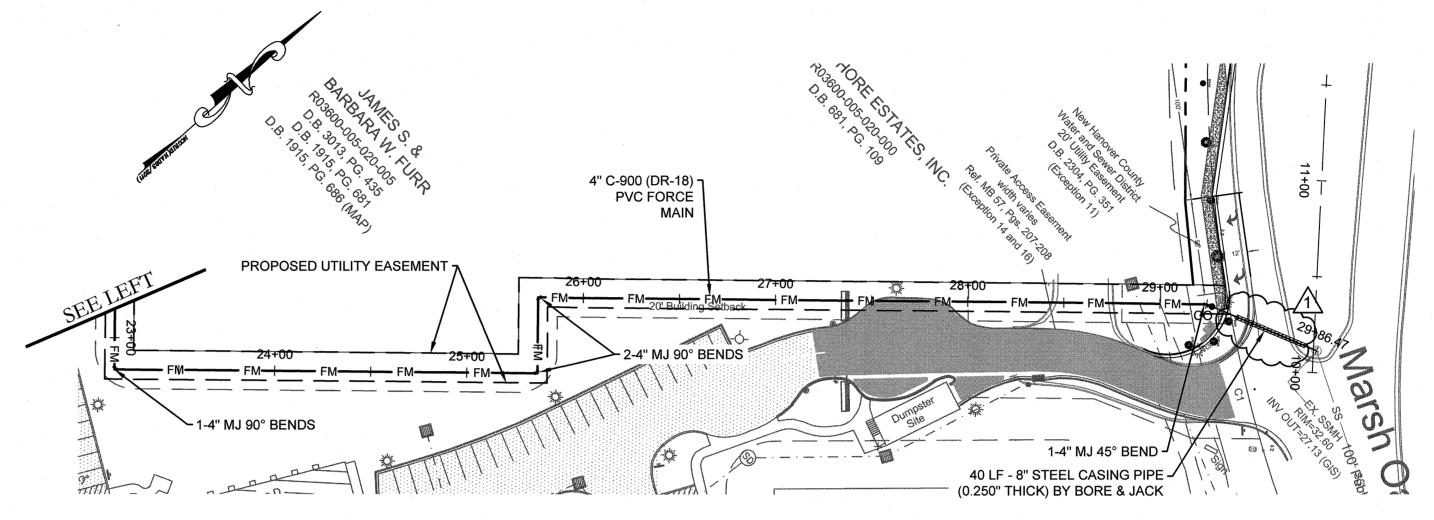


OFFSITE FORCE MAIN - PROFILE VIEW STA. 21+04.75 TO STA. 23+16.52

HORIZONTAL SCALE: 1" = 50' VERTICAL SCALE: 1" = 5'

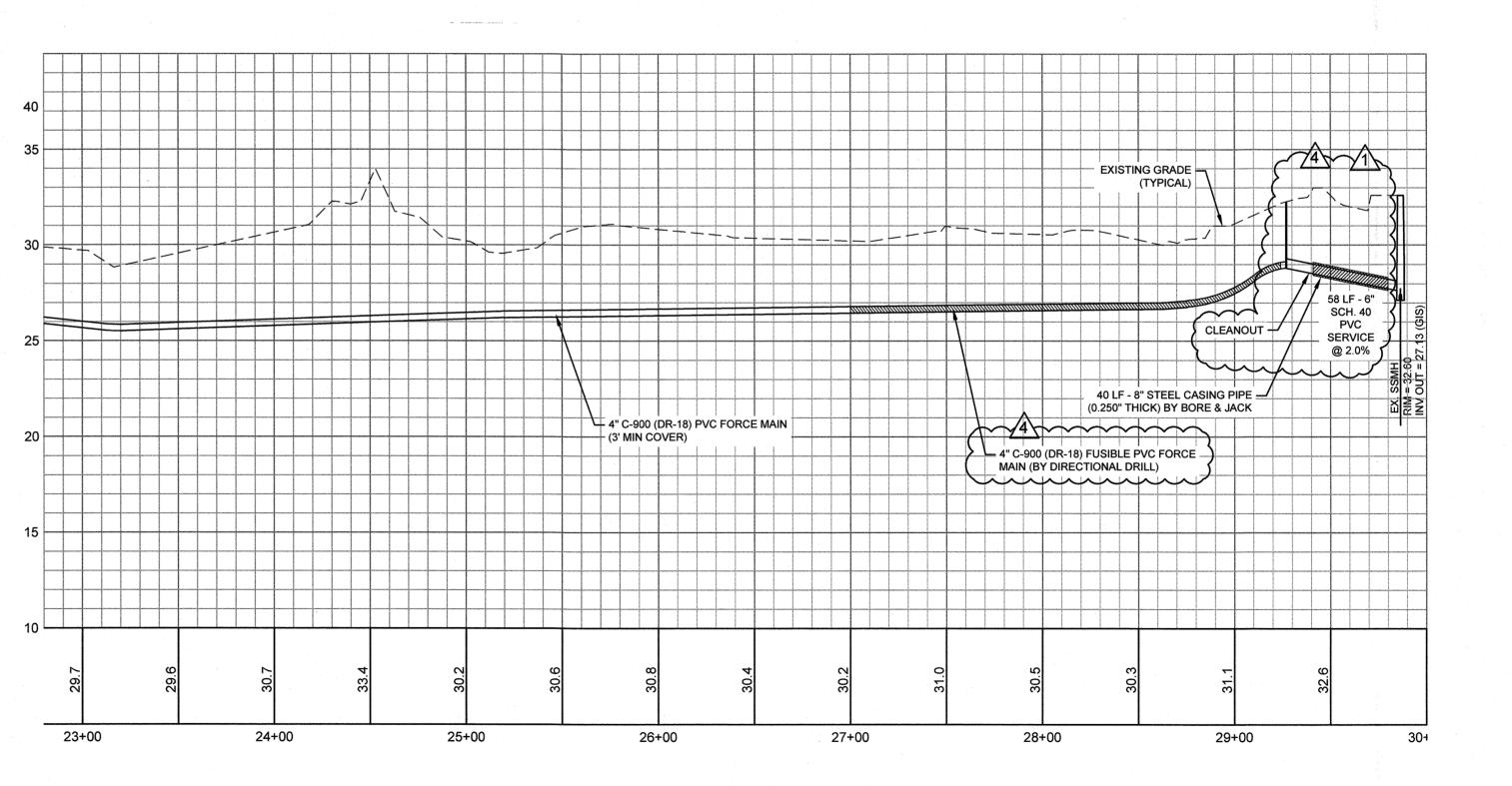
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OFFSITE FORCE MAIN - PLAN VIEW STA. 23+16.52 TO END

SCALE: 1" = 50'



OFFSITE FORCE MAIN - PROFILE VIEW

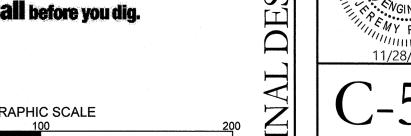
STA. 23+16.52 TO END HORIZONTAL SCALE: 1" = 50'

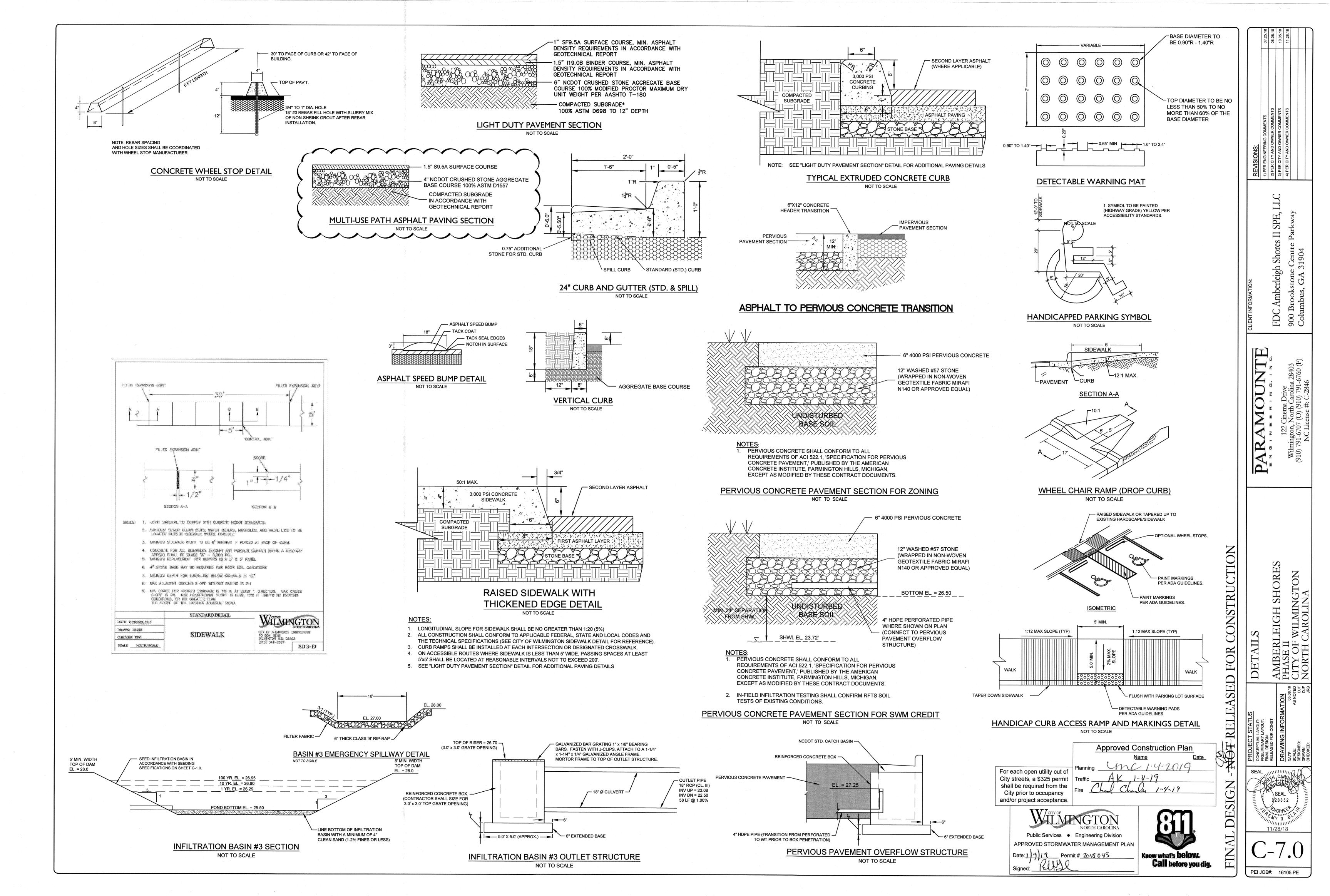
VERTICAL SCALE: 1" = 5'

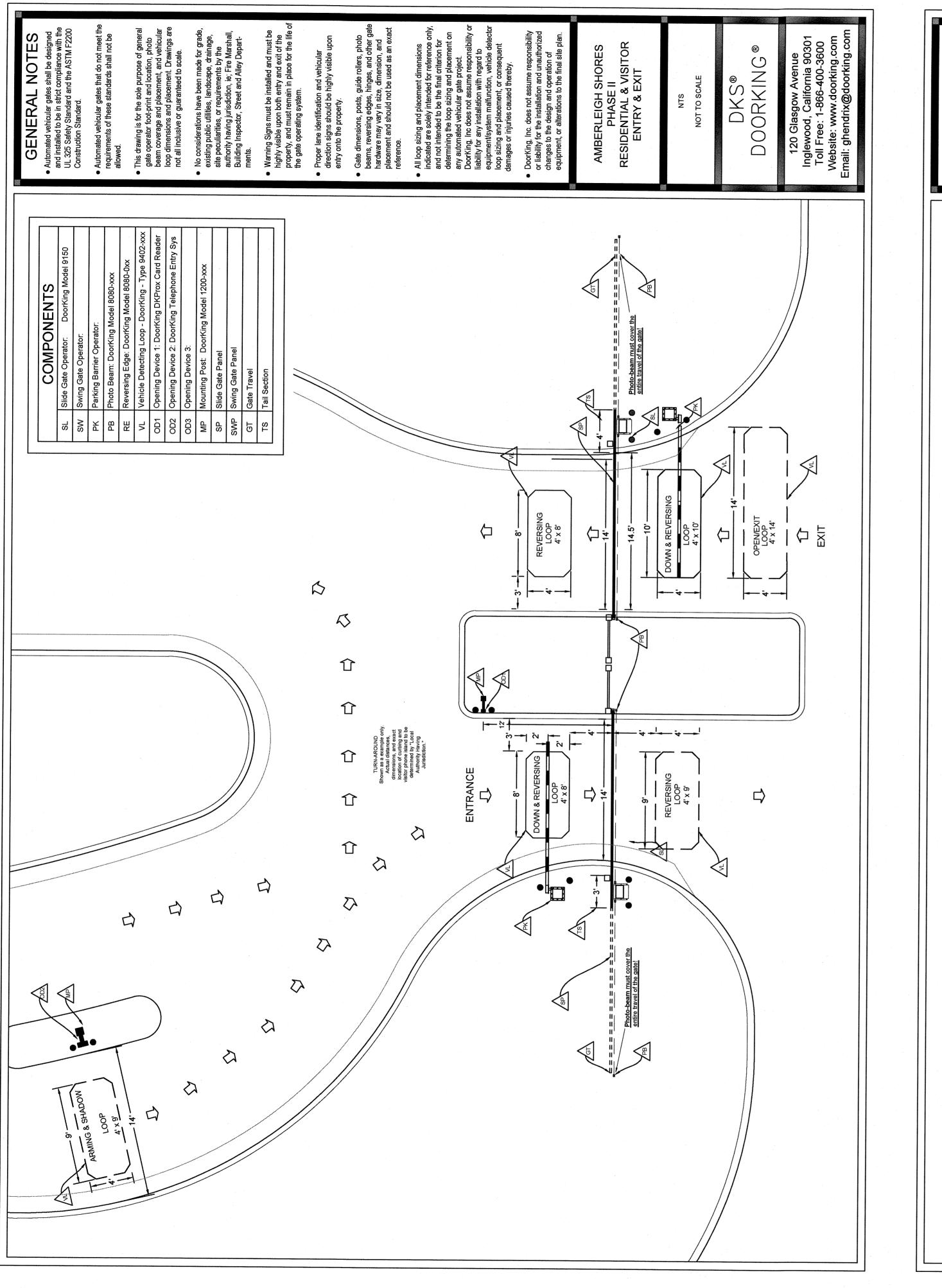
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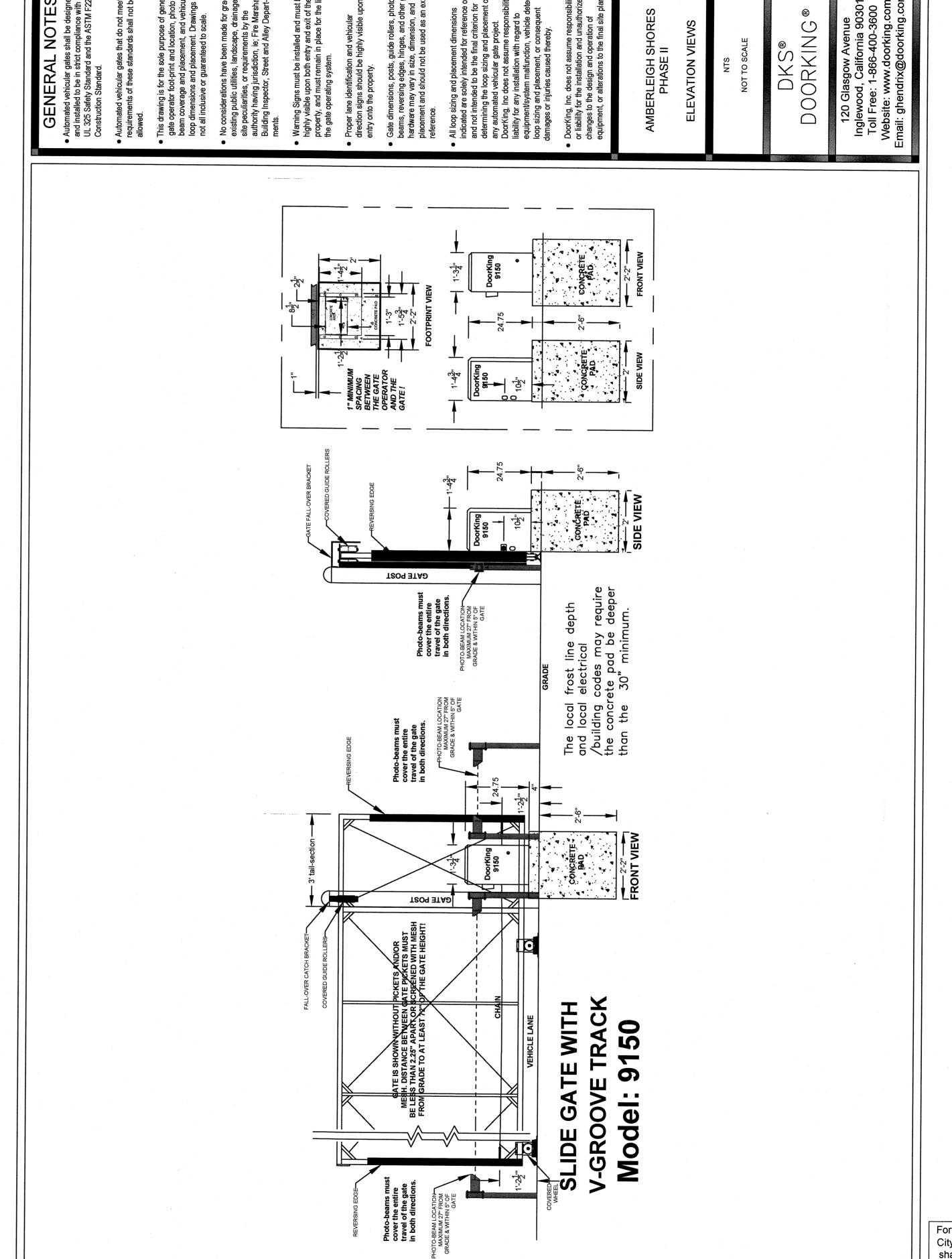
Approved Construction Plan





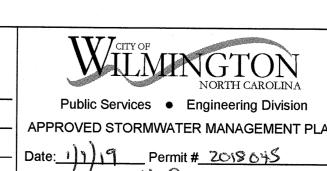


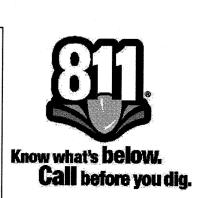




CONSTRUCTION ASED FOR For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

Approved Construction Plan Name CMC 1-4-2019 Chel Chedu 1-4-19





FINAL

PEI JOB#: 16105.PE

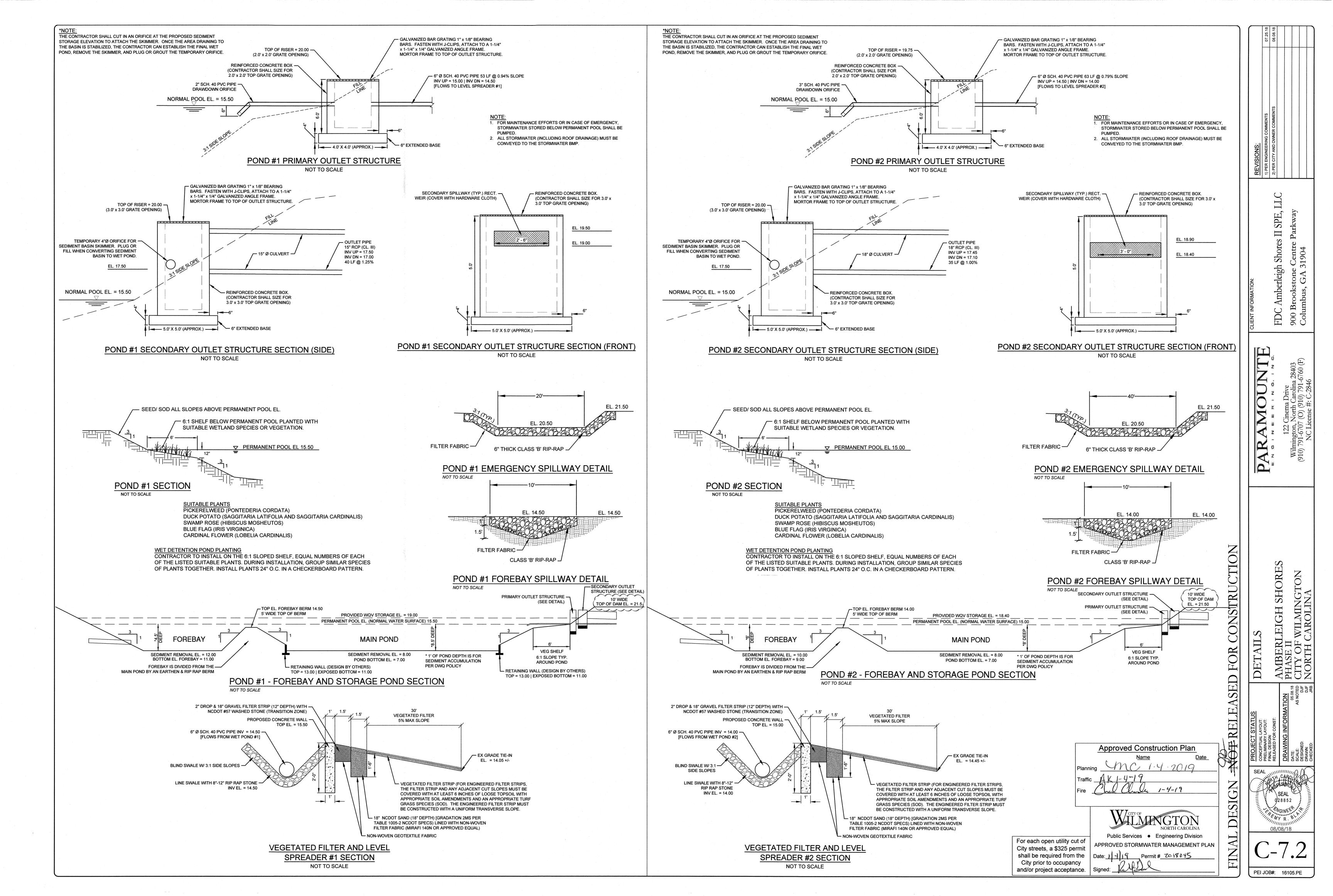
08.08.18 10.05.18 11.28.18

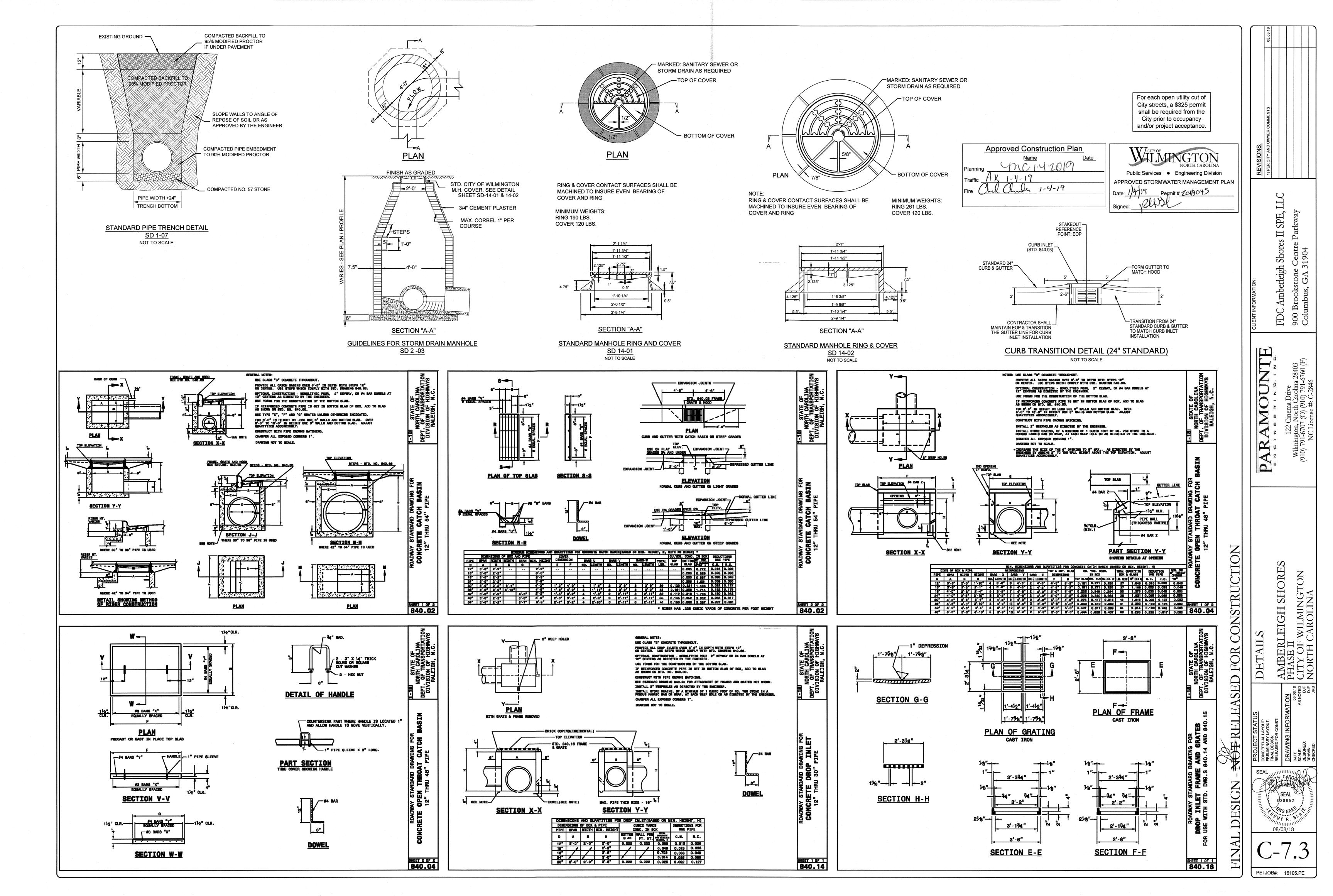
FDC Amberleigh Shores II SPE, LLC 900 Brookstone Centre Parkway Columbus, GA 31904

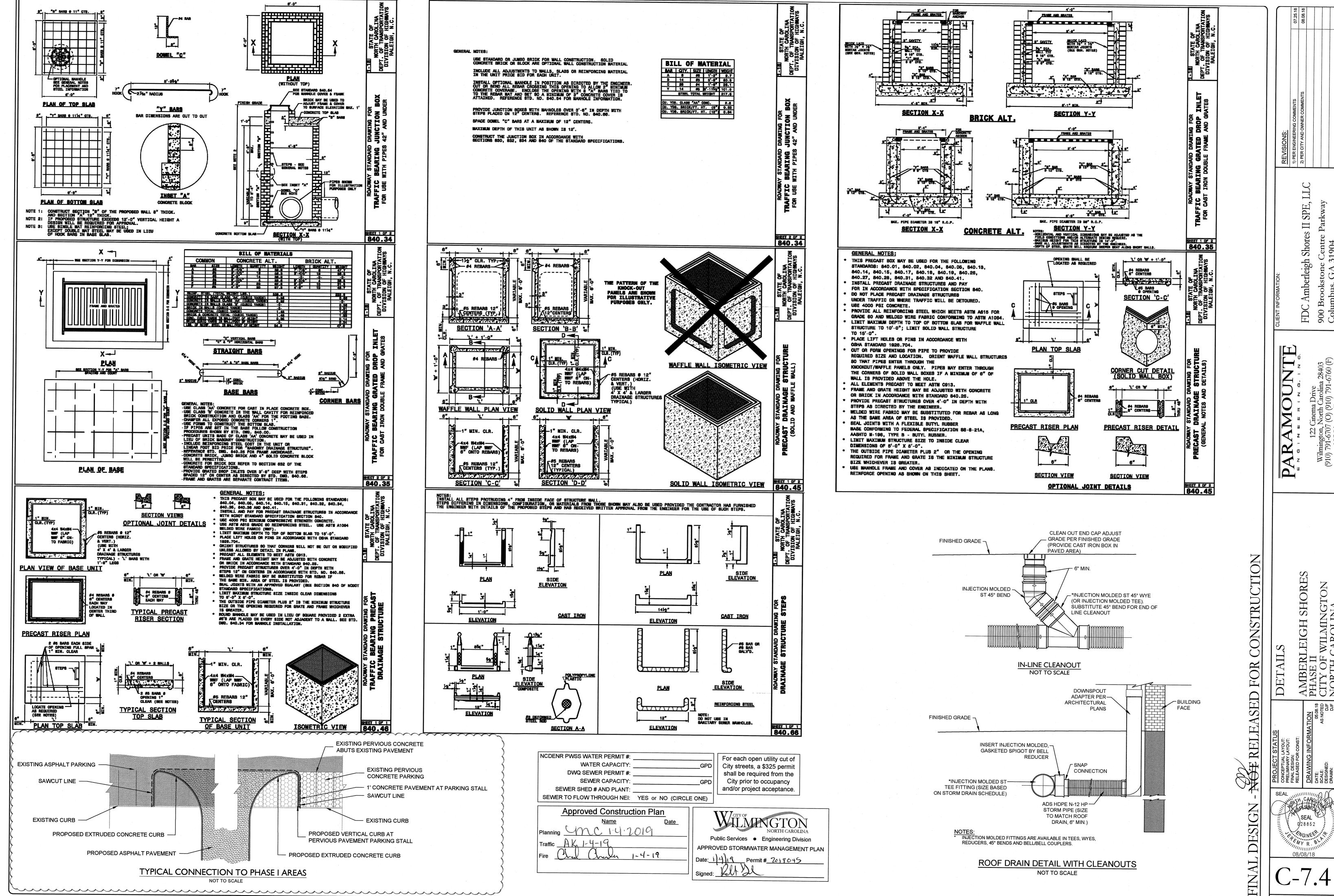
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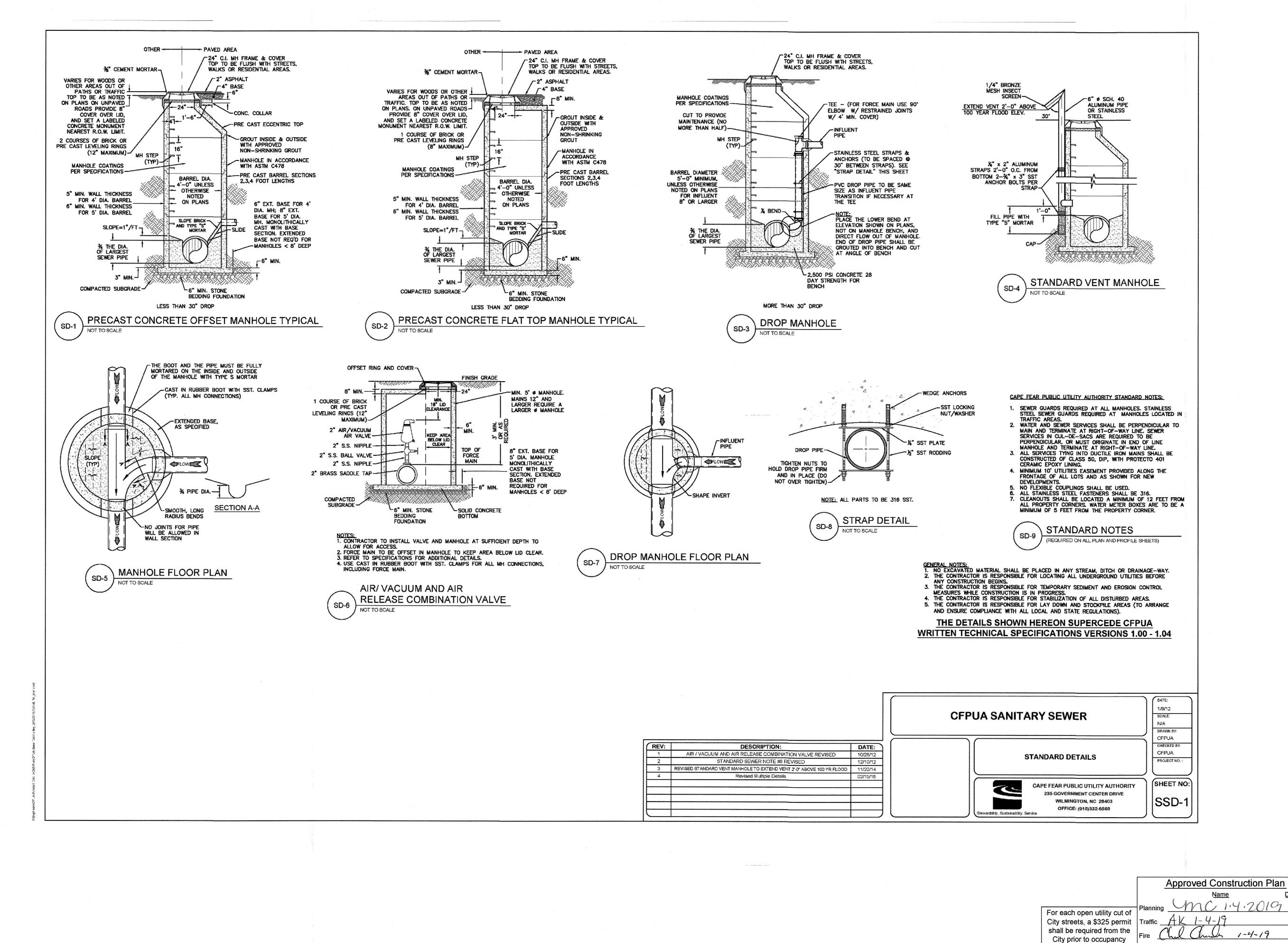
122 Cinema Drive Wilmington, North Carolina 28403 (910) 791-6707 (O) (910) 791-6760 (F) NC License #: C-2846

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Know what's below. Call before you dig.

and/or project acceptance.

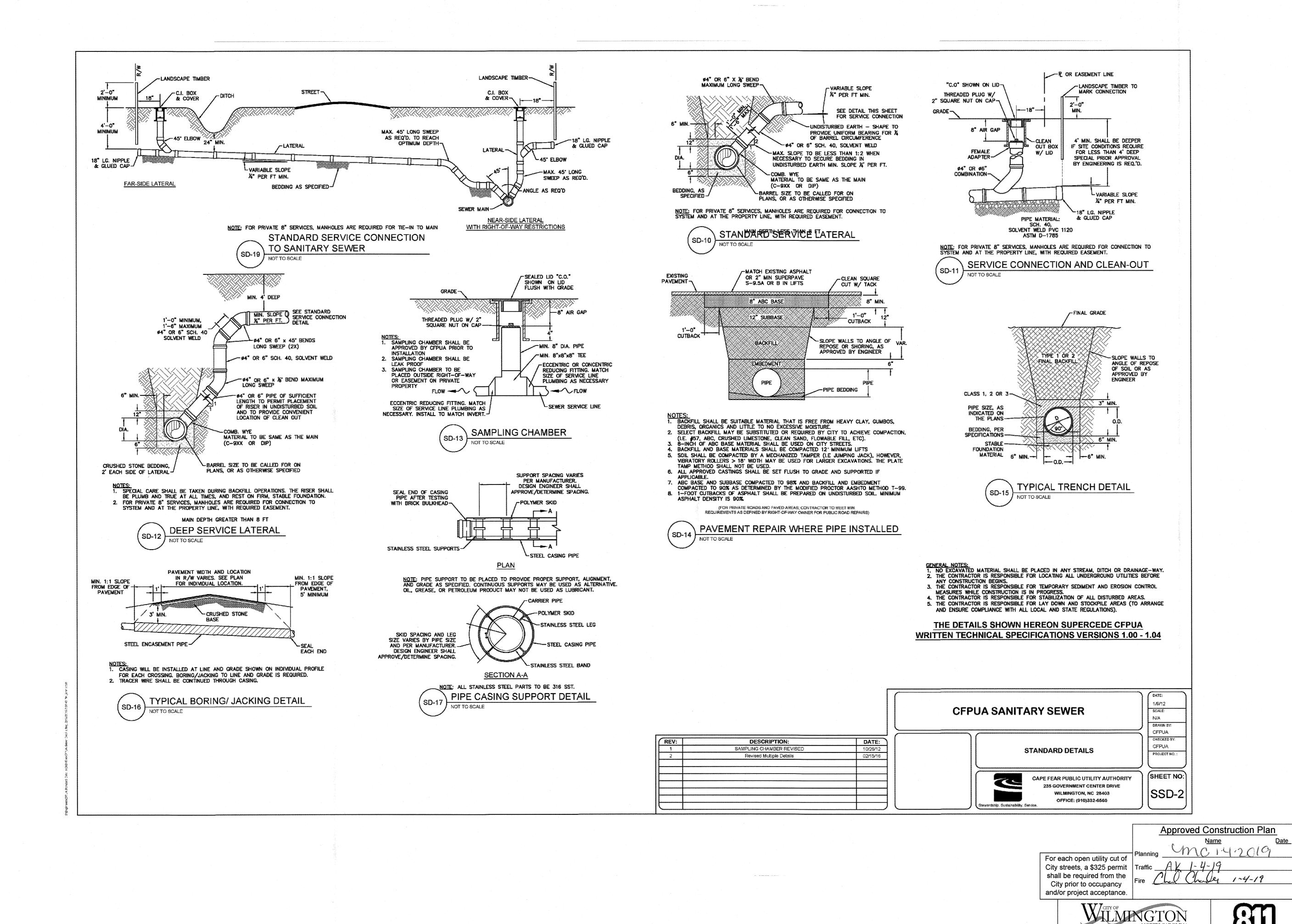
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Public Services • Engineering Division APPROVED STORMWATER MANAGEMENT PLAN

Date: 1 4 19 Permit # 2018645

<u>Date</u>

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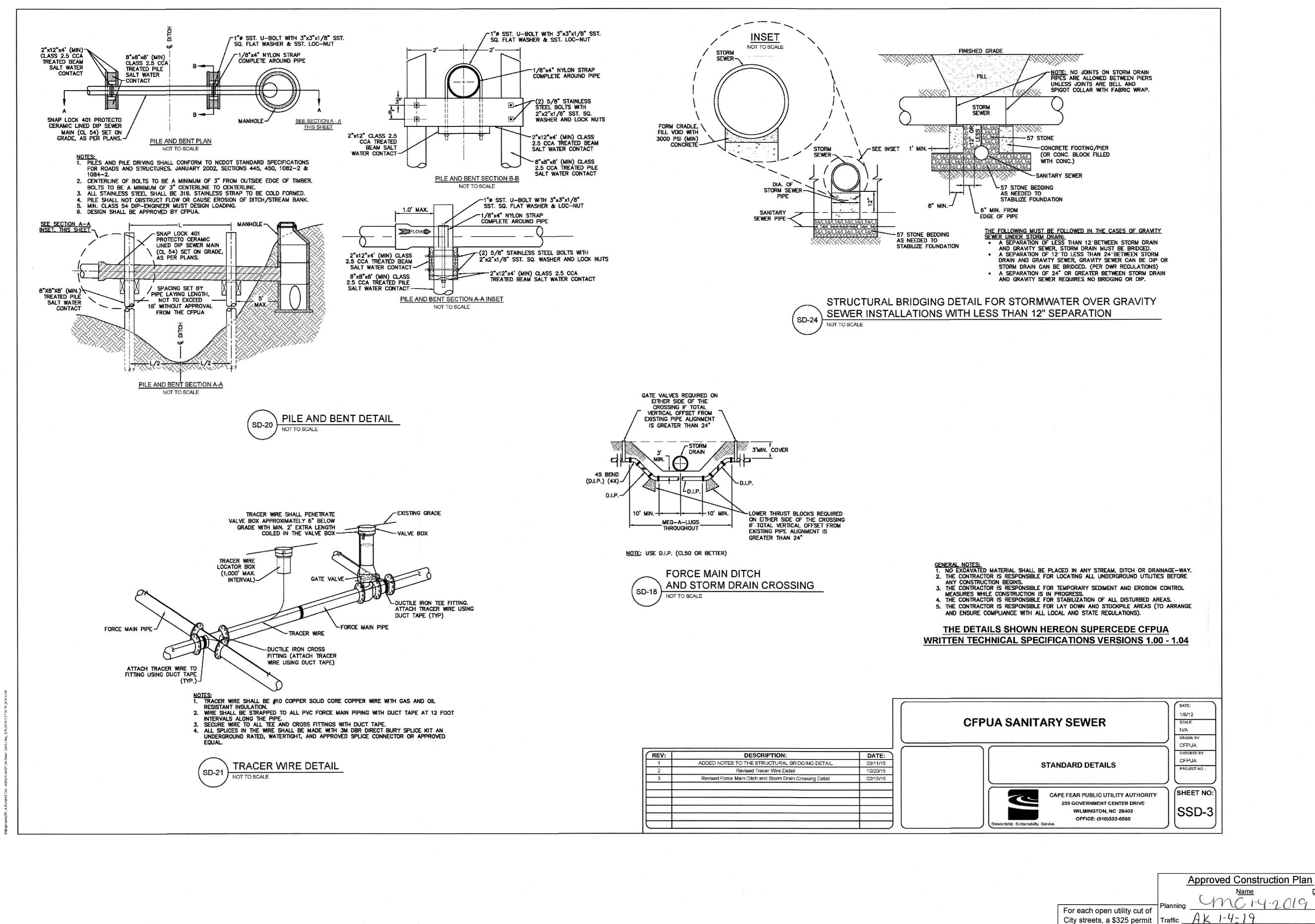
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Know what's below.

Public Services • Engineering Division APPROVED STORMWATER MANAGEMENT PLAN

Date: 1 4)19 Permit # 2018 045

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PHASE II
CITY OF WILMINGTON
NORTH CAROLINA 0/28852

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Know what's **below.** Call before you dig.

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> Public Services • Engineering Division APPROVED STORMWATER MANAGEMENT PLAN

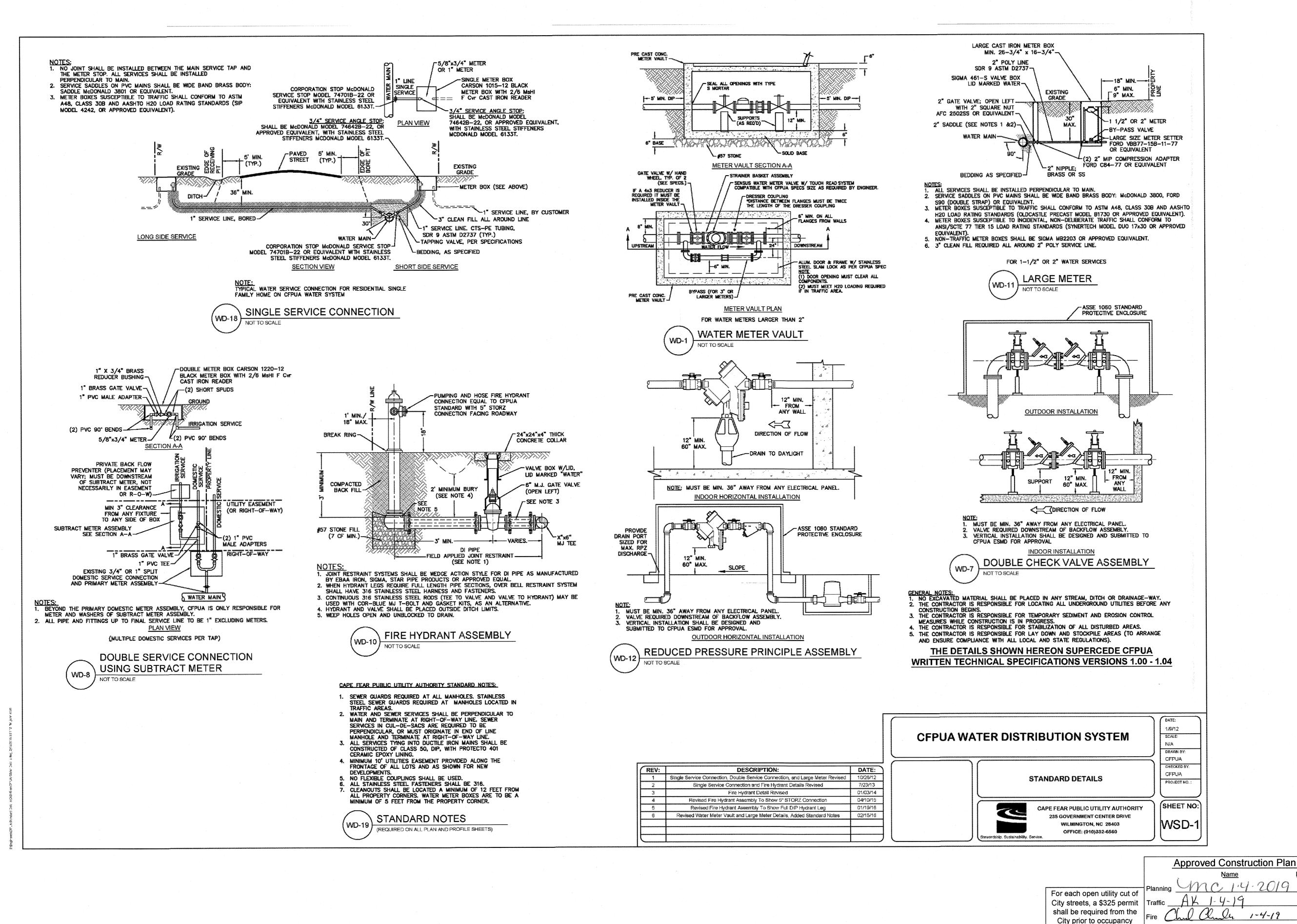
Date: 1919 Permit # 2018045
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<u>Date</u>

PEI JOB#: 16105.PE

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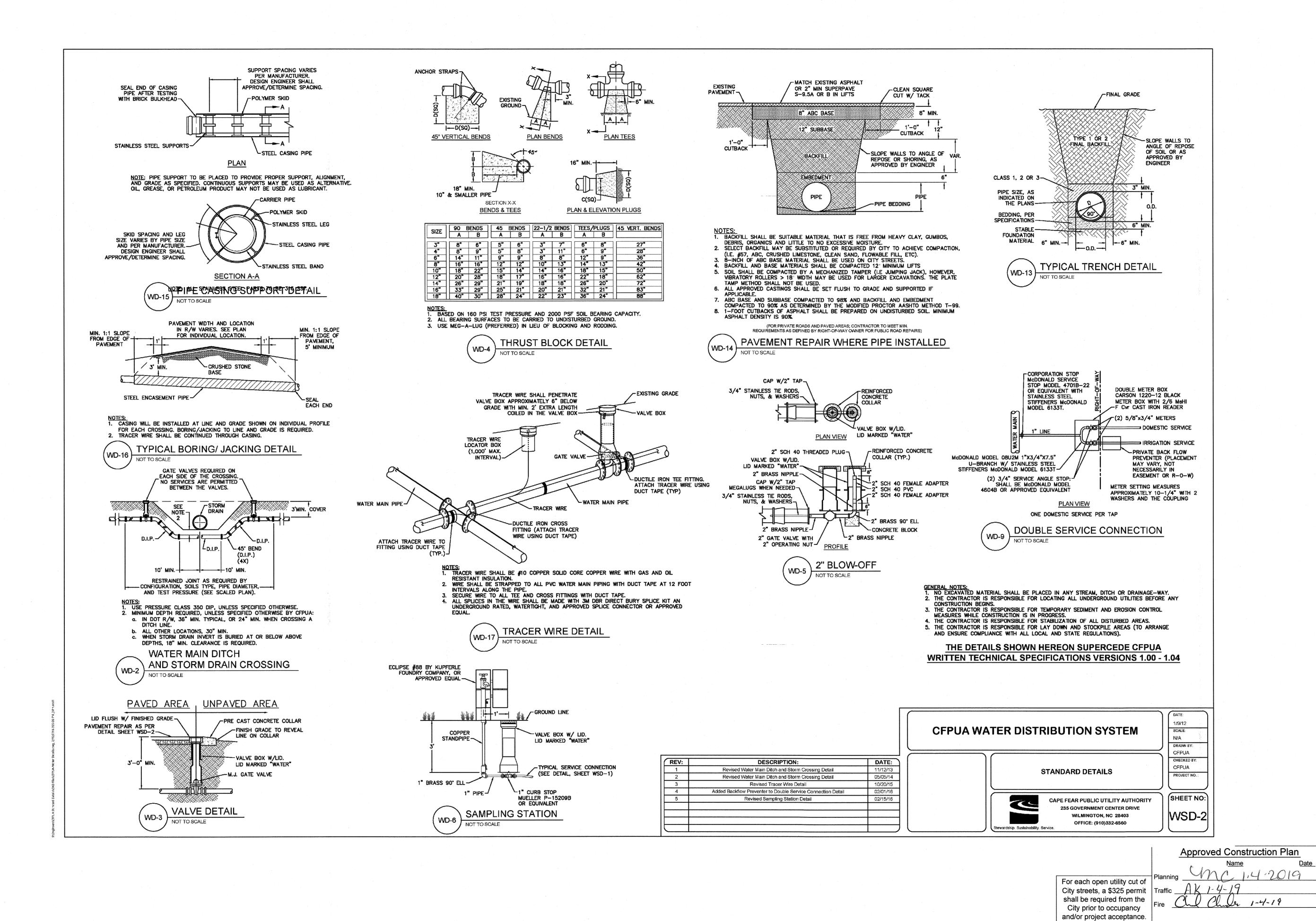
and/or project acceptance.

Public Services • Engineering Division APPROVED STORMWATER MANAGEMENT PLAN <u>Date</u>

Know what's below. Call before you dig.

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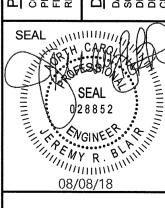


AMOUNT SHORES AMBERLEIGH SHORES
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CITY OF WILMINGTON
NORTH CAROLINA

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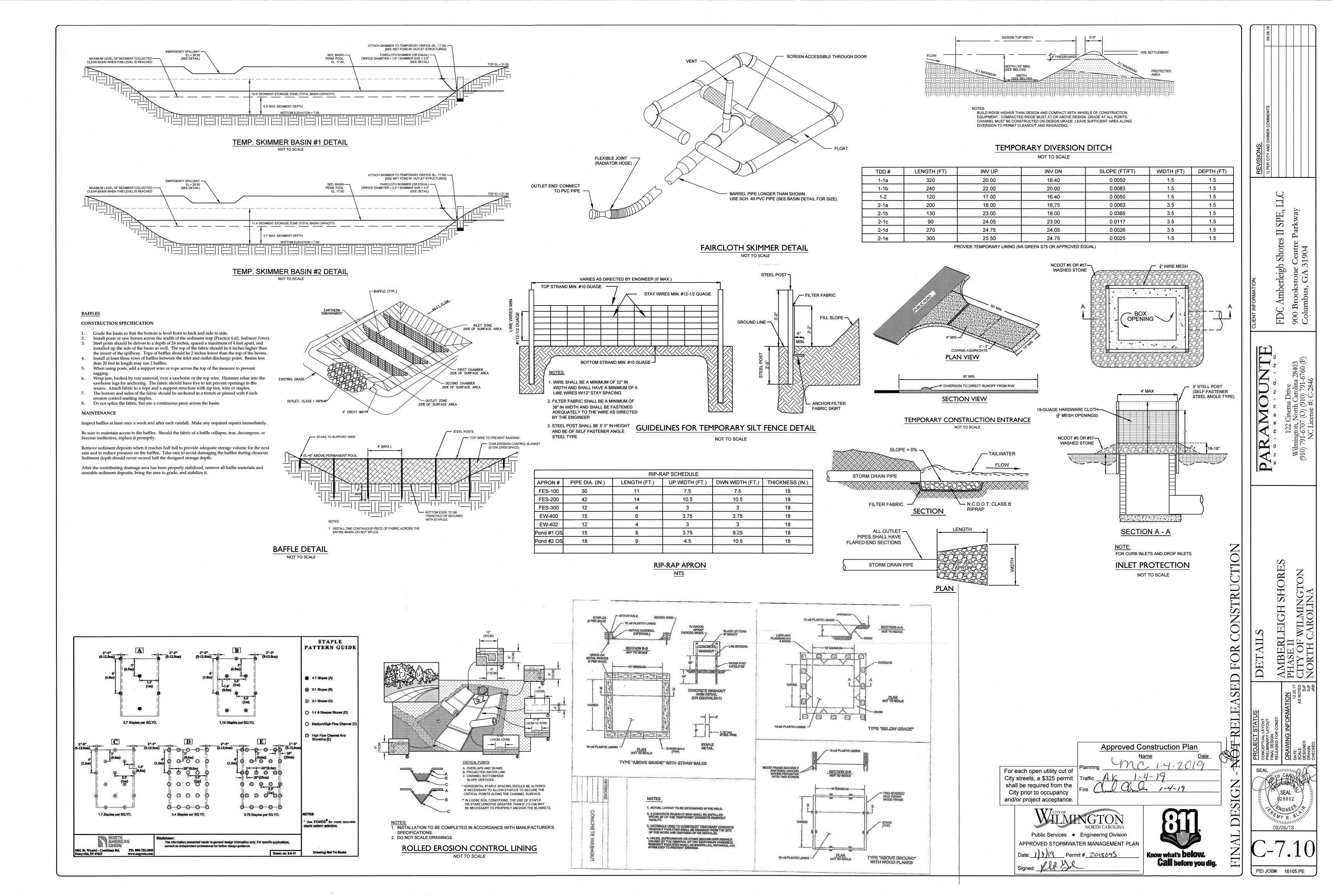
Call before you dig.

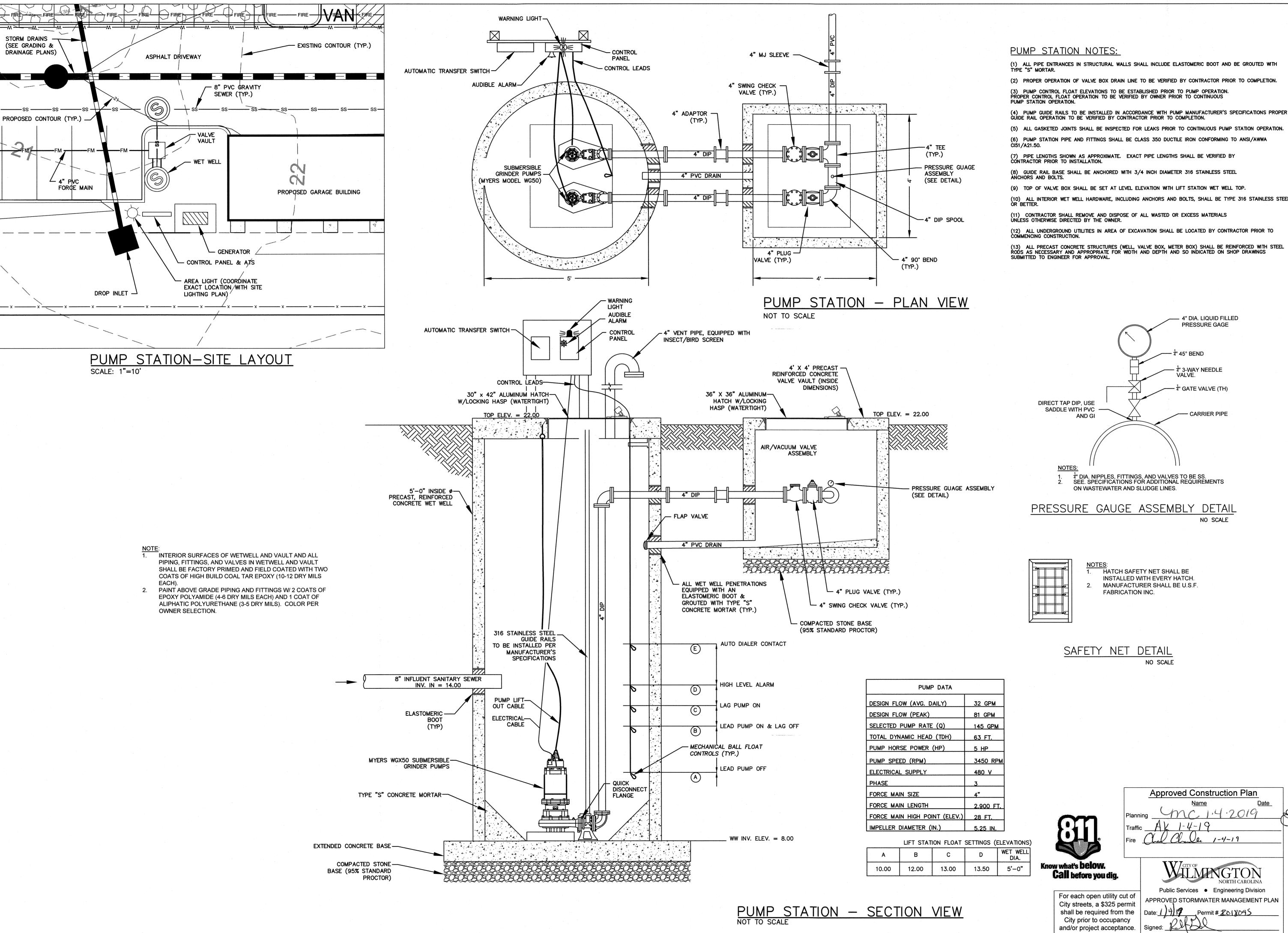
Public Services

Engineering Division APPROVED STORMWATER MANAGEMENT PLAN

Date: 11119 Permit # 2018045

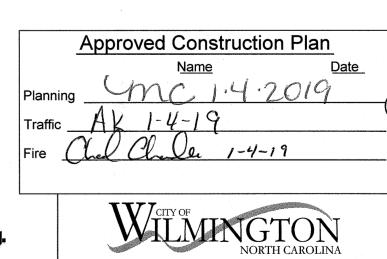
Signed: 1211





(4) PUMP GUIDE RAILS TO BE INSTALLED IN ACCORDANCE WITH PUMP MANUFACTURER'S SPECIFICATIONS PROPER GUIDE RAIL OPERATION TO BE VERIFIED BY CONTRACTOR PRIOR TO COMPLETION.

. INTERIOR WET WELL HARDWARE, INCLUDING ANCHORS AND BOLTS, SHALL BE TYPE 316 STAINLESS STEEL



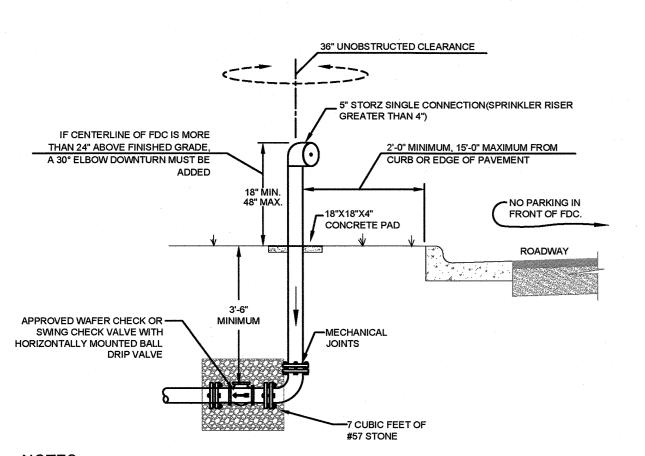
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CONSTRUCTION

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WILMINGTON

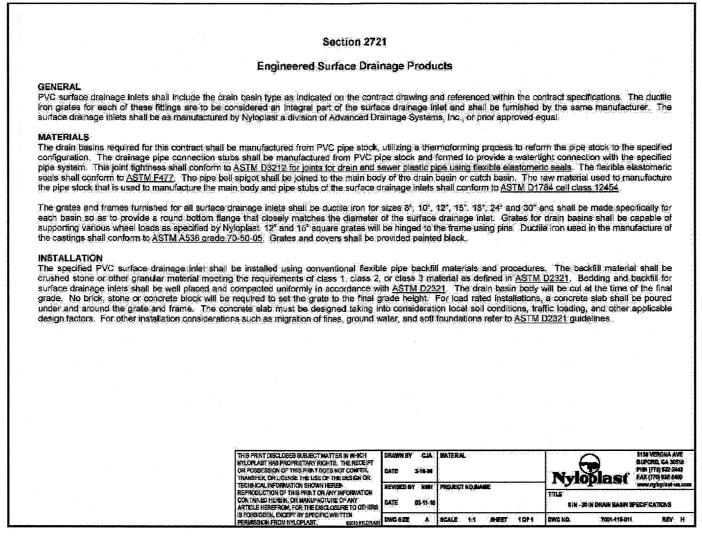
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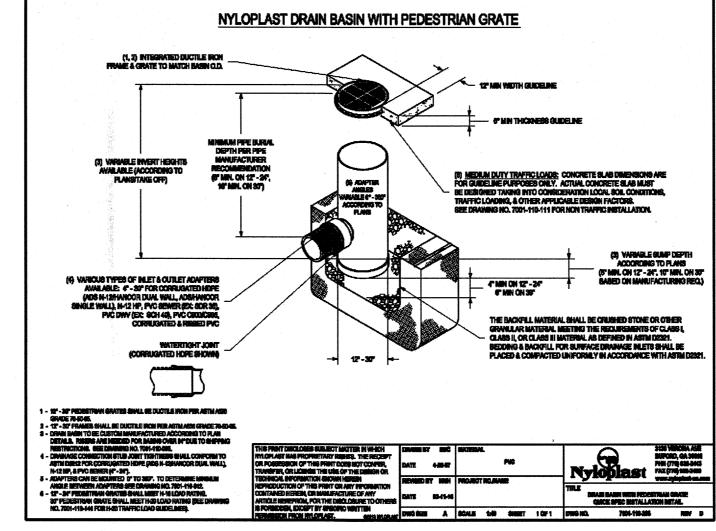


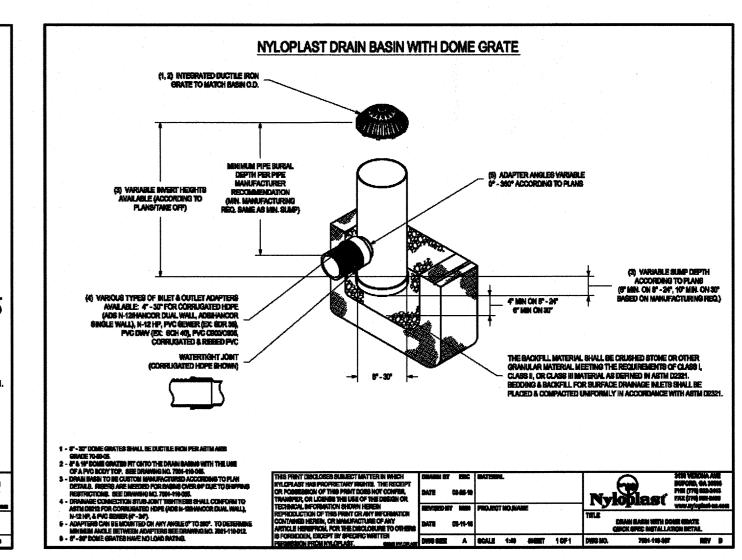
1. THE VALVE PIT SHALL BE SIZED TO ACCOMMODATE ALL PROPOSED EQUIPMENT. 2. THERE SHALL BE NO SHUTOFF VALVE IN THE FIRE DEPT.

- CONNECTION PIPING (PER NFPA 13).
- 3. ALL FITTINGS SHALL BE FLANGED.
- 4. ALL PIPING SHALL BE STEEL OR DUCTILE IRON. 5. SEE SITE PLANS FOR SIZES OF PIPES AND FITTINGS. SIAMESE
- CONNECTION TO BE IN ACCORDANCE WITH NFPA 13. 6. PROVIDE DRAINAGE AWAY FROM STRUCTURE.
- 7. A 2" MINIMUM CLEARANCE SHALL BE MAINTAINED BETWEEN THE BOTTOM OF THE VAULT LID AND THE RISING STEM OF THE OS&Y VALVE IN THE FULLY OPEN POSITION.
- 8. KNOX LOCKING PLUG SHALL BE PROVIDED ON THE FDC INLET
- 9. APPROVED WAFER CHECK OR SWING CHECK VALVE WITH HORIZONTAL MOUNTED BALL DRIP VALVE.
- 10. THE FDC SHALL BE CONNECTED TO THE PIPING SYSTEM LOCATED DOWNSTREAM OF THE POST INDICATOR VALVE.

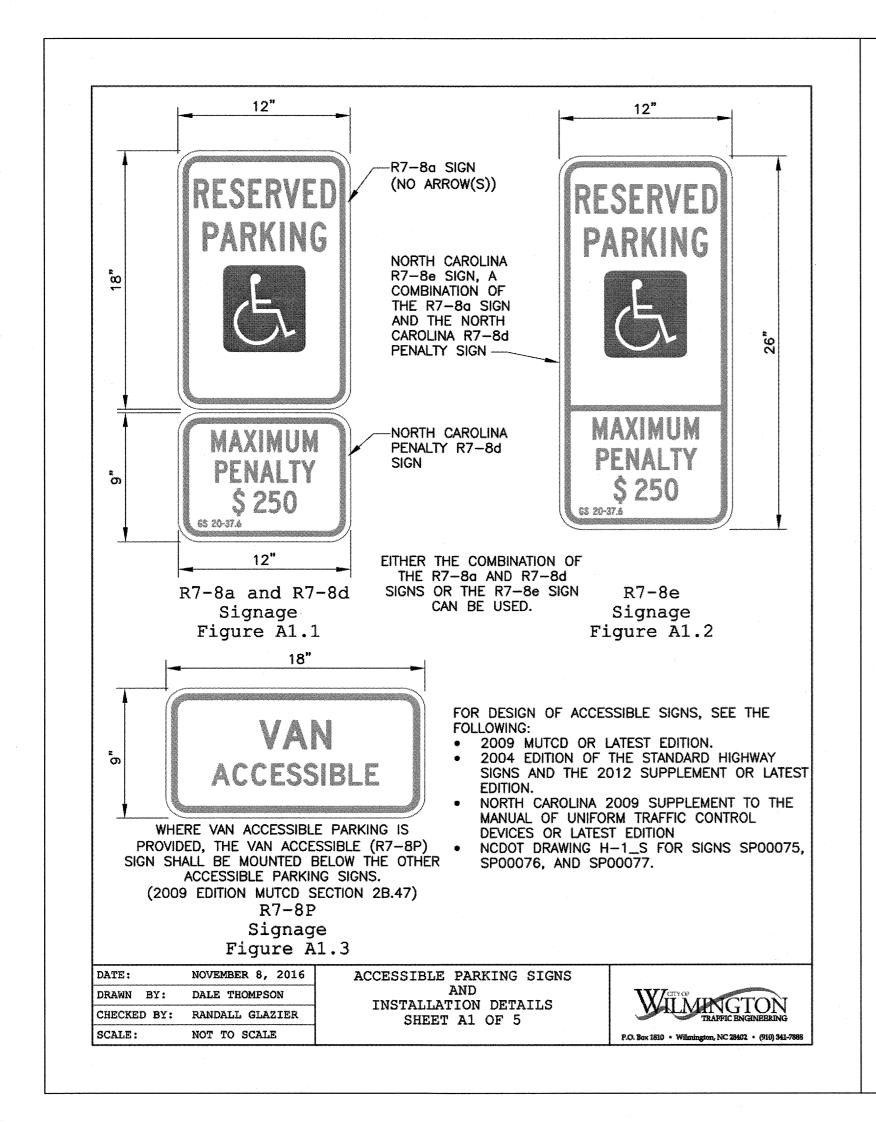
FREE STANDING FIRE DEPARTMENT CONNECTION NOT TO SCALE

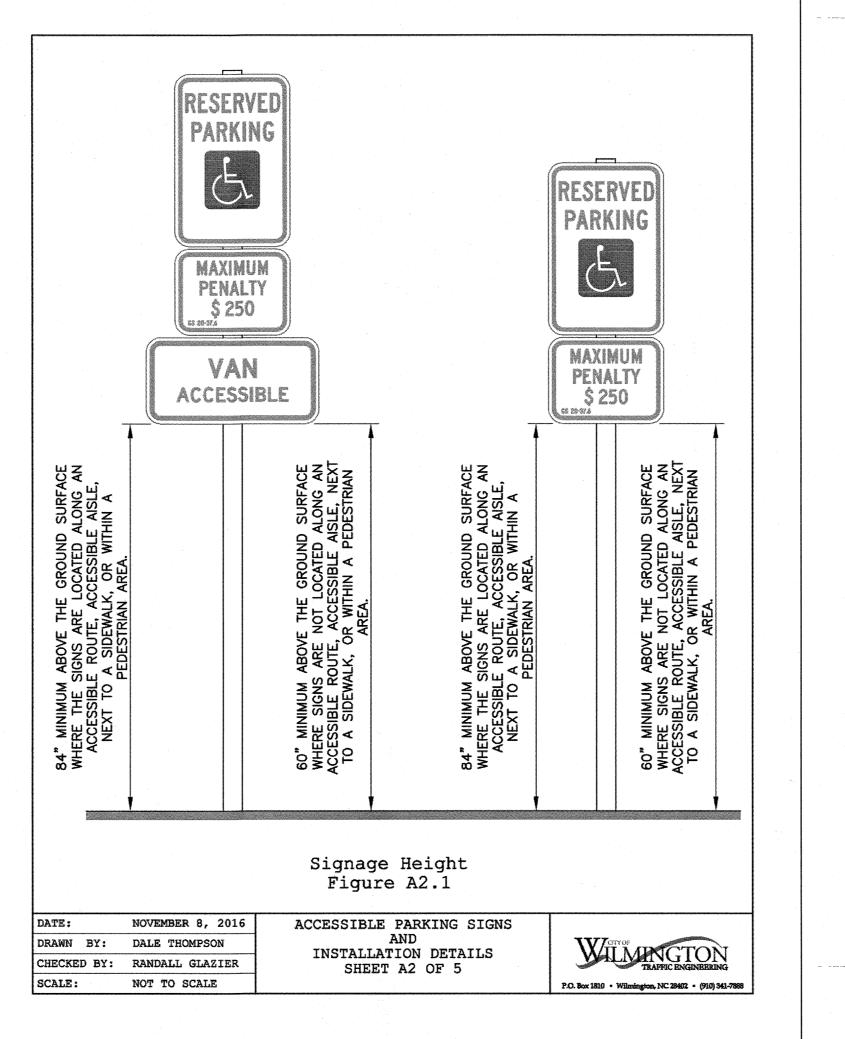




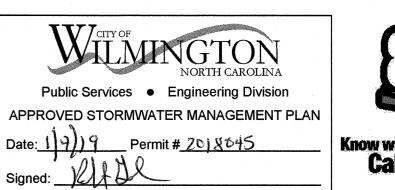


YARD INLET/ROOF DRAIN DETAILS NOT TO SCALE









For each open utility cut of

shall be required from the City prior to occupancy and/or project acceptance.

Know what's below.

Call before you dig.

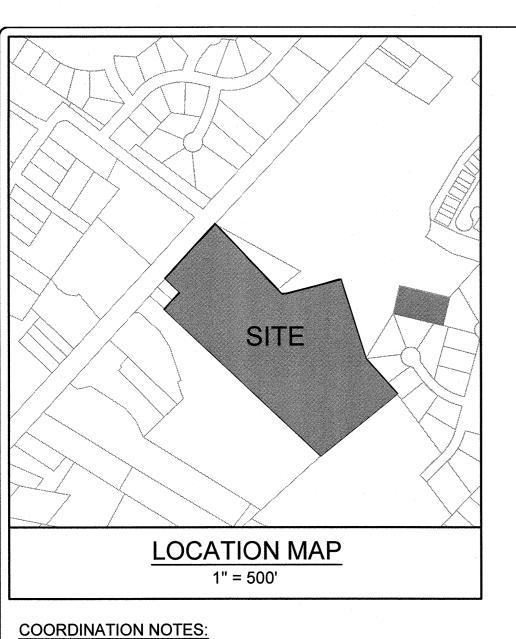
CONSTRUCTION FOR OF RELEASED

DESI

AMBERLEIGH SHORES PHASE II CITY OF WILMINGTON NORTH CAROLINA DETAIL

stone Centre GA 31904

0/28852 KNGINEEK. INEMY R. BY 11/28/18



- THE CONTRACTOR IS REQUIRED TO OBTAIN ANY/ALL PERMITS REQUIRED FOR CONSTRUCTION OF THESE PLANS.
- 2. THE CONTRACTOR IS TO ESTABLISH AND CHECK ALL HORIZONTAL AND VERTICAL CONTROLS TO BE USED WITH THE PROJECT. IN ADDITION, THE CONTRACTOR IS TO COMPUTE THE LAYOUT OF THE ENTIRE SITE PLAN IN ADVANCE OF BEGINNING ANY WORK ASSOCIATED WITH THE SUBJECT PLANS. CONTRACTOR SHALL EMPLOY A PROFESSIONAL SURVEYOR TO PERFORM SITE IMPROVEMENT STAKEOUT(S).
- 3. THE CONTRACTOR AND OWNER SHALL BE RESPONSIBLE FOR ANY EROSION CONTROL MEASURES IN THE ROW WHETHER OR NOT AN APPROVED EROSION CONTROL PERMIT IS ACTIVE ON THE SITE OR
- 4. ANYTIME WORK IS PERFORMED OFF-SITE OR WITHIN AN EXISTING EASEMENT, THE CONTRACTOR IS TO NOTIFY THE HOLDER OF SAID EASEMENT AS TO THE NATURE OF PROPOSED WORK, AND TO FOLLOW ANY GUIDELINES OR STANDARDS WHICH ARE ASSOCIATED WITH OR REFERENCED IN THE RECORDED EASEMENT.

SCALE: 1" = 40'

PAVEMENT SCHEDULE

- 1.2. ASPHALT OVERLAY AREA = 140 SY
- 2. SEE SHEETS T-1.4 FOR NCDOT STANDARD DETAILS.

BEGINNING WORK AND STREET CLOSING: TRAFFIC CONTROL FOR THIS CONTRACT SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, ALONG WITH THE FOLLOWING SECTION OF THESE SPECIAL PROVISIONS.

DRIVEWAY AND TRAFFIC CONTROL PLAN GENERAL NOTES

2. THE OWNER AND CONTRACTOR ARE RESPONSIBLE FOR HAVING A DRIVEWAY OR ENCROACHMENT PERMIT FROM NCDOT PRIOR TO ANY WORK WITHIN THE ROW. THE OWNER OR CONTRACTOR MUST SCHEDULE A PRE-CON WITH DISTRICT OFFICE AT (910) 398-9100 OR THE INSPECTOR AS LISTED ON THE PERMIT.

- THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE NCDOT BEFORE ANY ROAD OR LANE CLOSURE. THE CONTRACTOR SHALL CALL THE DIVISION ENGINEER (DIVISION 3) AT (910) 341-2000 WHEN CLOSING A ROAD OR LANE SO THAT EMERGENCY SERVICES CAN BE NOTIFIED.
- 4. TRAFFIC CONTROL PLAN: TRAFFIC CONTROL WILL BE PERFORMED BY THE CONTRACTOR BASED ON THE TRAFFIC CONTROL SPECIAL PROVISIONS. THE TRAFFIC CONTROL SPECIAL PROVISIONS MAY REFER TO PLAN SHEET FOR MAJOR WORK ITEMS. THE CONTRACTOR SHALL BE THOROUGHLY FAMILIAR WITH THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. THE CURRENT EDITION OF THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION (NCDOT) SUPPLEMENT TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS. THE NCDOT ROADWAY STANDARD DRAWINGS, AND THE CURRENT EDITION OF THE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.
- 5. THE CONTRACTOR SHALL MAINTAIN THE TRAFFIC CONTROL AS DESCRIBED HEREIN UNLESS THE CONTRACTOR SUBMITS AN ALTERNATE TRAFFIC CONTROL PLAN TO NCDOT AND IS APPROVED BY NCDOT. NCDOT MAY DIRECT THE CONTRACTOR TO MODIFY TRAFFIC CONTROL AT ANY TIME DURING CONSTRUCTION.
- 6. PAVEMENT MARKINGS: THE CONTRACTOR SHALL HAVE THE PAVEMENT MARKINGS PRE-MARKED, INSPECTED, AND APPROVED BY NCDOT PERSONNEL PRIOR TO THE PLACEMENT OF FINAL PAVEMENT MARKINGS. CONTACT TRAFFIC SERVICES AT (910) 341-2200 FOR PRE-MARKING INSPECTIONS OR FIELD CHANGES. CENTERLINE PAVEMENT MARKINGS SHALL BE INSTALLED THE SAME DAY RESURFACING IS ACCOMPLISHED. ALL OTHER PAVEMENT MARKINGS SHALL BE COMPLETED WITHIN 5 DAYS OF RESURFACING. PAVEMENT MARKINGS SHALL BE THERMOPLASTIC AND MEET THE NCDOT'S STANDARD SPECIFICATIONS.
- 7. WHERE NOT REMOVED BY NEW PAVEMENT, CONFLICTING STRIPING SHALL BE GROUND OFF. MINIMIZE GROOVING OF PAVEMENT DURING SUCH OPERATIONS.
- 8. IN AREAS OF DROP-OFFS AND LOW SHOULDER, THE CONTRACTOR SHALL BACKFILL UP TO THE EDGE AND ELEVATION OF THE EXISTING PAVEMENT IN THE PROJECT AREA. THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN INGRESS AND EGRESS TO ALL BUSINESSES AND DWELLINGS, AND EASY ACCESS TO FIRE HYDRANTS. THE CONTRACTOR SHALL NOT WORK ON BOTH SIDES OF THE ROAD SIMULTANEOUSLY WITHIN THE PROJECT AREA FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL MARK ALL HAZARDS WITHIN THE PROJECT LIMITS WITH WELL-MAINTAINED SIGNS, BARRICADES, WARNING AND/OR CHANNELING DEVICES.
- 9. PEDESTRIAN CONSIDERATION: THE CONTRACTOR SHALL REASONABLY ACCOMMODATE THE NEEDS OF ALL PEDESTRIANS.

US HWY. 17 / MARKET STREET PAVEMENT MARKING LEGEND CONTRACTOR SHALL REFER TO NCDOT STANDARD DETAILS FOR PAVEMENT MARKINGS DESCRIPTION PAVEMENT MARKINGS RIGHT TURN ARROW THERMOPLASTIC SYMBOLS (90 MIL) UC STRAIGHT ARROW T2 WHITE STOP BAR THERMOPLASTIC (24", 120 MIL)

1. US HWY 17 / MARKET STREET RIGHT-TURN LANE EXTENSION: 1.1. NEW ASPHALT AREA = 132 SY NOTE REGARDING REQUIRED MULTIUSE PATH EXISTING PHONE PEDESTAL REQUIRED MULTIUSE PATH ALONG PROJECT FRONTAGE RELOCATION TO BE COORDINATED BY AND ASSOCIATED RAMPS AND CROSSWALKS AT EXISTING NCDOT AS PART OF CONSTRUCTION DRIVEWAYS WILL BE CONSTRUCTED BY NCDOT AS PART OF WIDENING PROJECT OF WIDENING PROJECT. DEVELOPER TO PROVIDE GUY ANCHOR RELOCATION WILL BE -PAYMENT TO THE CITY IN LIEU OF CONSTRUCTION EXISTING CITY RAMP STYLE DRIVEWAY TO REMAIN COORDINATED WITH DUKE ENERGY BY NCDOT AS PART OF WIDENING PROJECT. EXISTING DETECTABLE WARNING MATS TO REMAIN. NCDOT TO RECONSTRUCT DRIVEWAY, MULTIUSE PATH, AND ASSOCIATED US HIGHWAY 17 - MARKET STREET 分号 GD G 100' PUBLIC R/W EXISTING 16" CURB ______ 14+17.8614+00 13+00 (SPEED 45 MPH) AND GUTTER 3 12'± EXISTING 10' ASPHALT MULTI-USE PATH - CITY 20'X70' SIGHT-DISTANCE EXISTING THERMOPLASTIC ARROW EXISTING CURB -TRIANGLES (TYP.) INLET TO REMAIN CONNECT NEW 24" CURB -SIGHT-DISTANCE NCDOT R/W (TYP.) & GUTTER TO EXISTING TRIANGLES (TYP.) EXISTING DRIVEWAY -**APRON TO REMAIN EXISTING WETLANDS (TYP.)** WRONG **PROPÓSED** - EXISTING DRIVEWAY TO REMAIN M WAY LEGEND: **AMBERLEIGH** ____ **RIGHT OF WAY** PROPOSED PAVEMENT MARKING SYMBOL BEGIN NEW 24" CURB AND GUTTER - NEW GATED ENTRANCE TO AMBERLEIGH SHORES KEEP US HWY 17/MARKET STREET: RIGHT-TURN LANE EXTENSION (STA 10+00 - END) - PLAN VIEW



Call before you dig.

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 AK 1-4-19 Chele

Public Services • Engineering Division APPROVED STORMWATER MANAGEMENT PLAN Date: 1) 4) 19 Permit # 20\\$655
Signed: 20\\$655

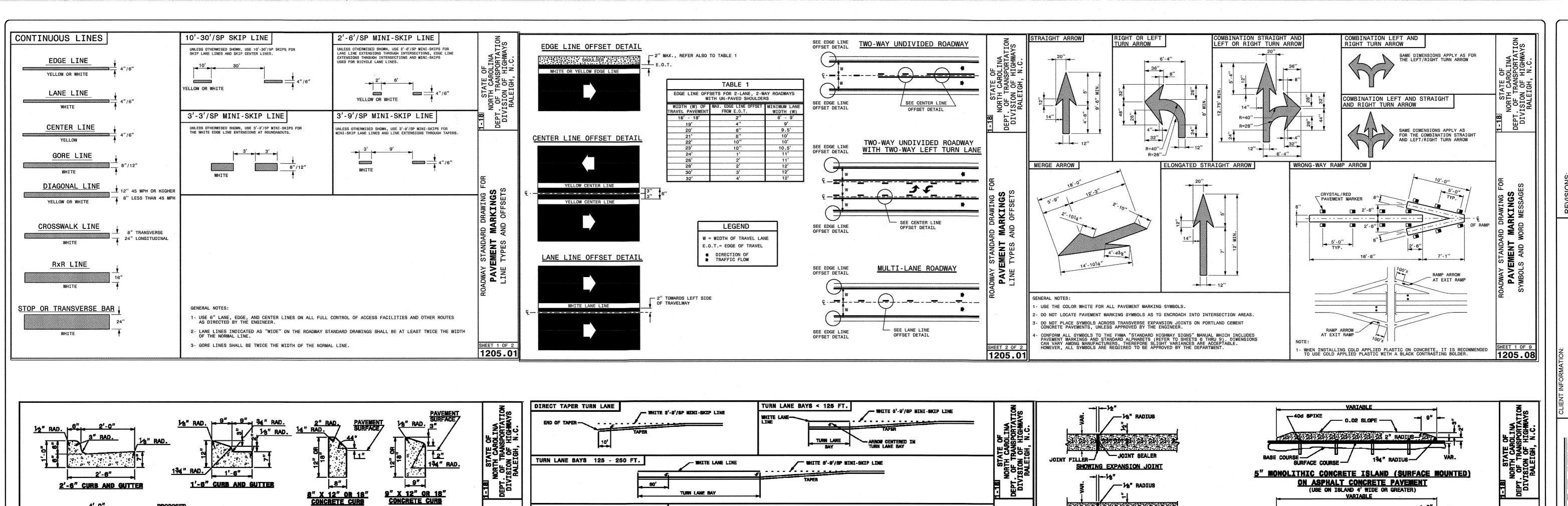
SCALE: 1" = 40'

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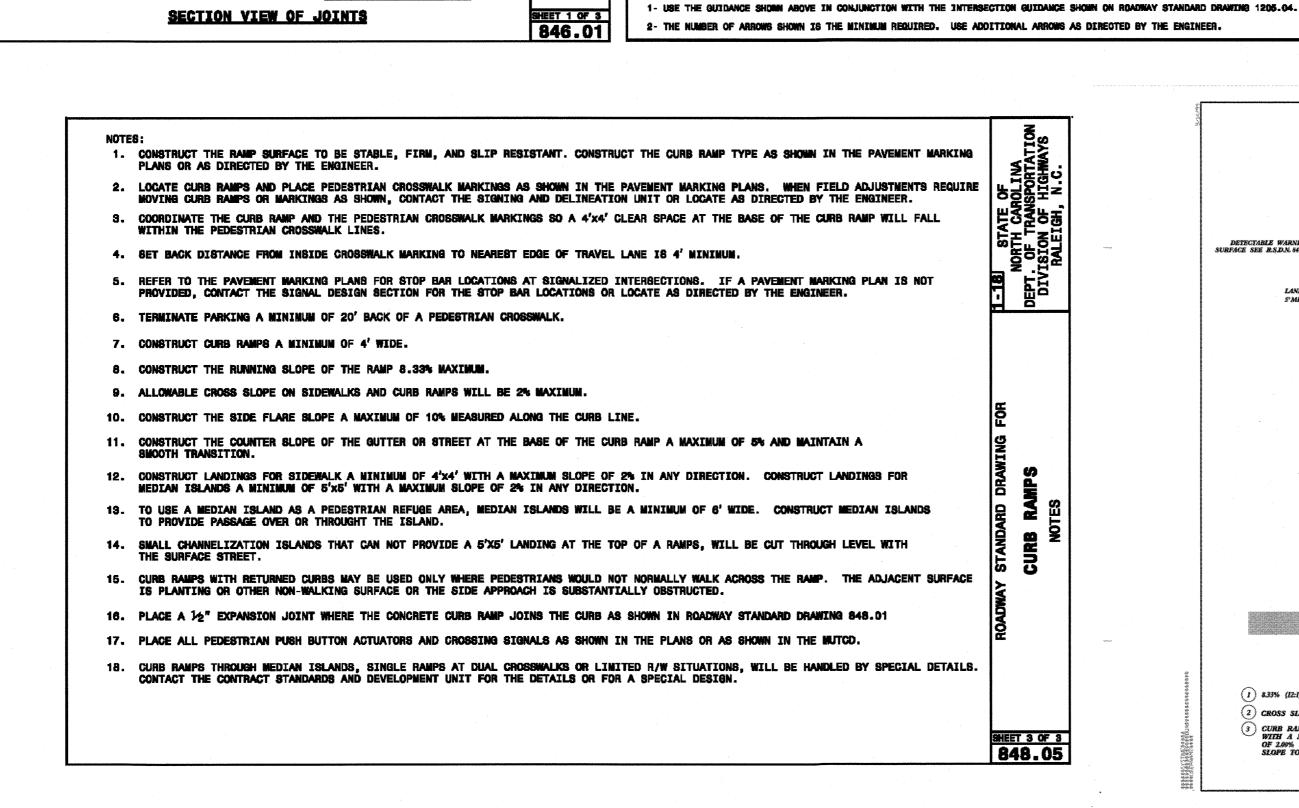
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CENTER BETWEEN FIRST AND LAST ARROWS

- CENTER BETWEEN FIRST AND LAST ARROWS - WHITE 3'-9'/8P MINI-8KIP LINE

- WHITE 3'-9'/SP MINI-SKIP LINE



E TIME

VALLEY GUTTER

IN CURB AND GUTTER

2'-0"

-PLACE CONTRACTION JOINTS AT 10' INTERVALS, EXCEPT THAT

WITHOUT THE USE OF TEMPLATES AT 10' INTERVALS.

WITH JOINT FILLER AND SEALER.

ALL RIGID OBJECTS.

A 15' SPACING MAY BE USED WHEN A MACHINE IS USED OR WHEN SATISFACTORY SUPPORT FOR THE FACE FORM CAN BE OBTAINED

-JOINT SPACING MAY BE ALTERED IF REQUIRED BY THE ENGINEER.

-CONTRACTION JOINTS MAY BE INSTALLED WITH THE USE OF TEMPLATES OR FORMED BY OTHER APPROVED METHODS.

CONSTRUCT NON-TEMPLATE FORMED JOINTS A MIN. OF 11/2" DEEP.

-FILL ALL CONSTRUCTION JOINTS, EXCEPT IN 8"x6" MEDIAN CURB

-SPACE EXPANSION JOINTS AT 90' INTERVALS AND ADJACENT TO

SHOULDER BERM GUTTER

SECTION VIEW OF CURBS OR CURBS AND GUTTERS

THIOL HTIW THIOL

<u>LONGITUDINAL JOINT</u>

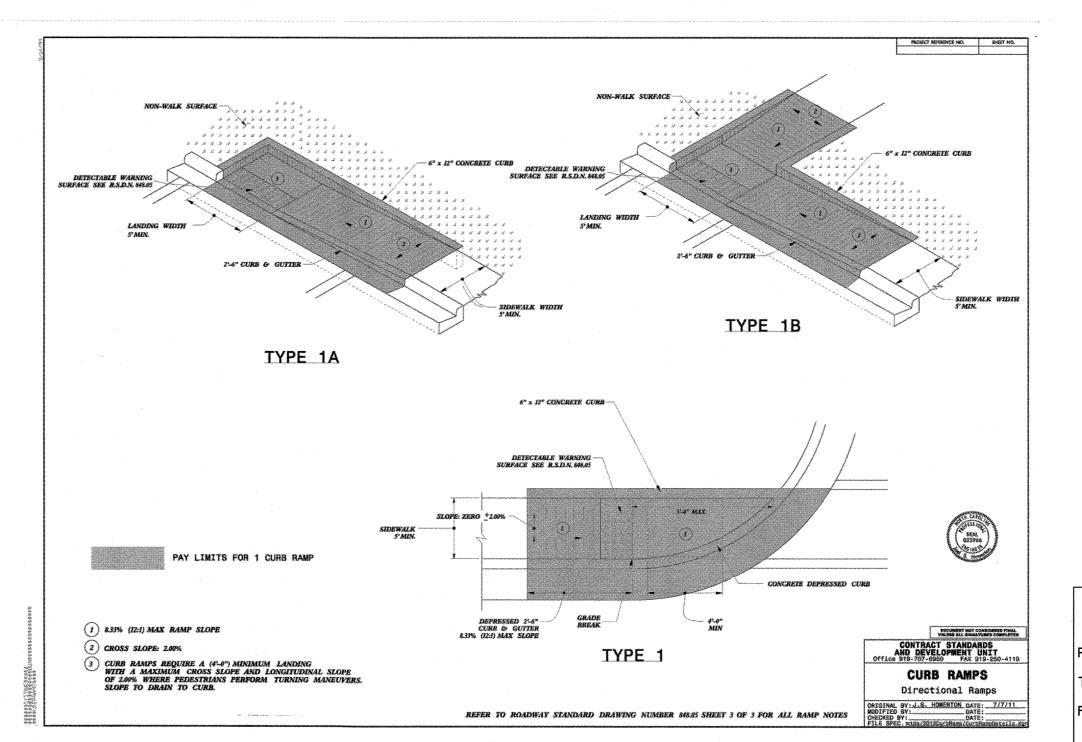
TURN LANE BAYS 250 FT. OR GREATER

DOUBLE TURN LANES

WHITE 2'-6'/SP MINI-SKIP

GENERAL NOTES:

LEFT TURN LANE DEVELOPED FROM TWO-WAY TURN LANE



JOINT SEALER

WHEN MONOLITHIC CONCRETE ISLAND IS ON TOP OF SURFACE

IN THE CONCRETE PAVEMENT (ISLAND) AND CONCRETE ISLAND

AND GROOVED JOINTS 1" DEEP AT 10' INTERVALS BETWEEN

LINE UP THE JOINTS IN THE CONCRETE PAVEMENT (ISLAND)

FILL AND SEAL THE TOP 1/2" OF THE EXPANSION JOINTS AND

THE ENTIRE DEPTH OF GROOVED JOINTS WITH JOINT SEALER.

FOR JOINTS IN THE CURB AND/OR CURB AND GUTTER, SEE SURFACING-

WITH THE JOINTS IN THE CURB OR CURB AND GUTTER.

EXPANSION JOINTS.

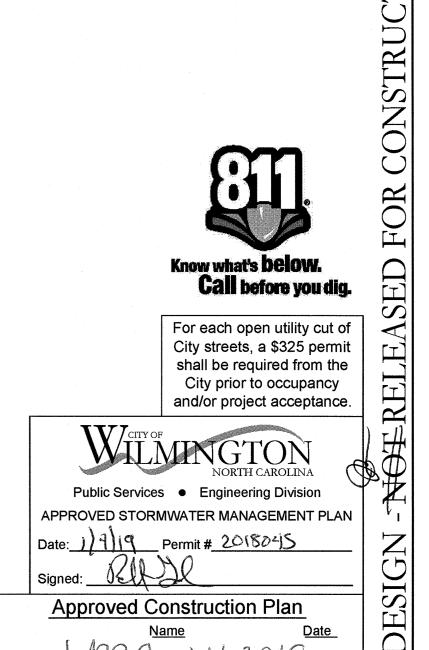
STANDARD NO. 846.01

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(MONOLITHIC) PLACE 1/2" EXPANSION JOINTS AT 30' INTERVALS

SHOWING GROOVED JOINT

PARTIAL LONGITUDINAL SECTIONS
OF PAVED ISLANDS



-- 0.02 8LOPE ----

MONOLITHIC CONCRETE ISLAND (KEYED IN)

<u>ON ASPHALT CONCRETE PAVEMENT</u>

(USE ON ISLAND LESS THAN 4' WIDE)

VARIABLE

<u>5" MONOLITHIC CONCRETE ISLAND</u>

--- VARIABLE ----

PAVED CONCRETE ISLAND

4" BASE COURSE

(SURFACE MOUNTED) ON CONCRETE PAVEMENT

- JOINT SEALER

/-- JOINT FILLER

BASE COURSE BINDER COURSE — 194" RADIUS-OR EXISTING PAVEMENT MOUNTE

E R I N G. I N G. I N C. FDC Amberl

Cinema Drive

AFFIC DETAILS
ERLEIGH SHORES
E II
OF WILMINGTON

EET 1 OF 1

852.01

OFFSITE TRA
LAYOUT:
TRAFFIC DE
AMBERLEIGH
PHASE II
OG/12/18
CITY OF WILMI

PROJECT CONCEPT.

PRELIMINA FINAL DESIGNED.

BANKING STATE SCALE.

SCALE.

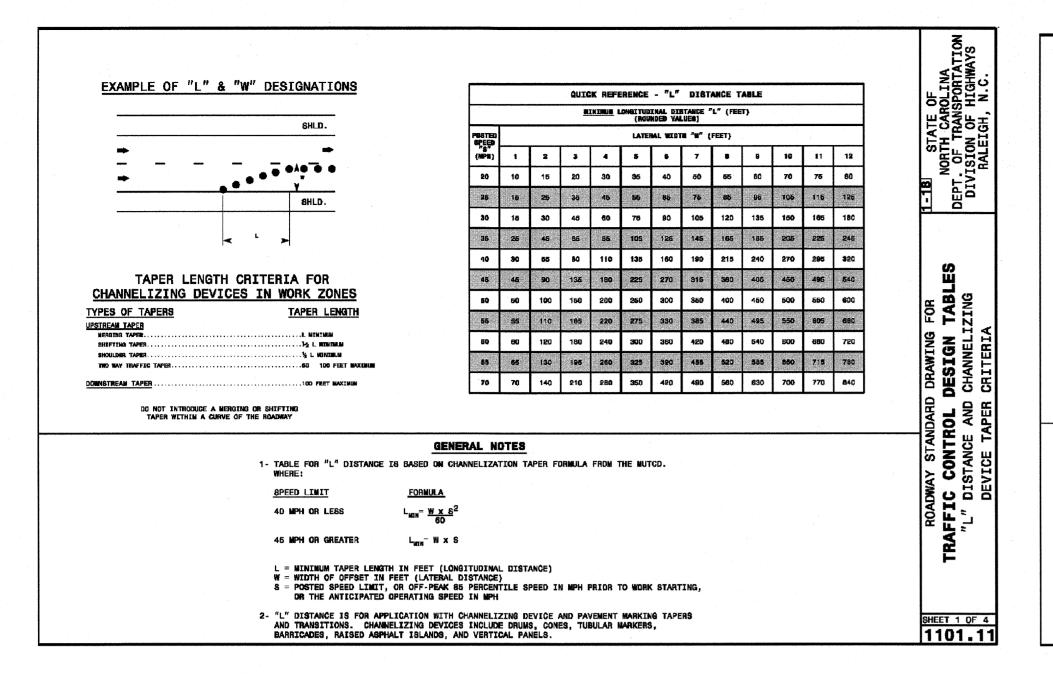
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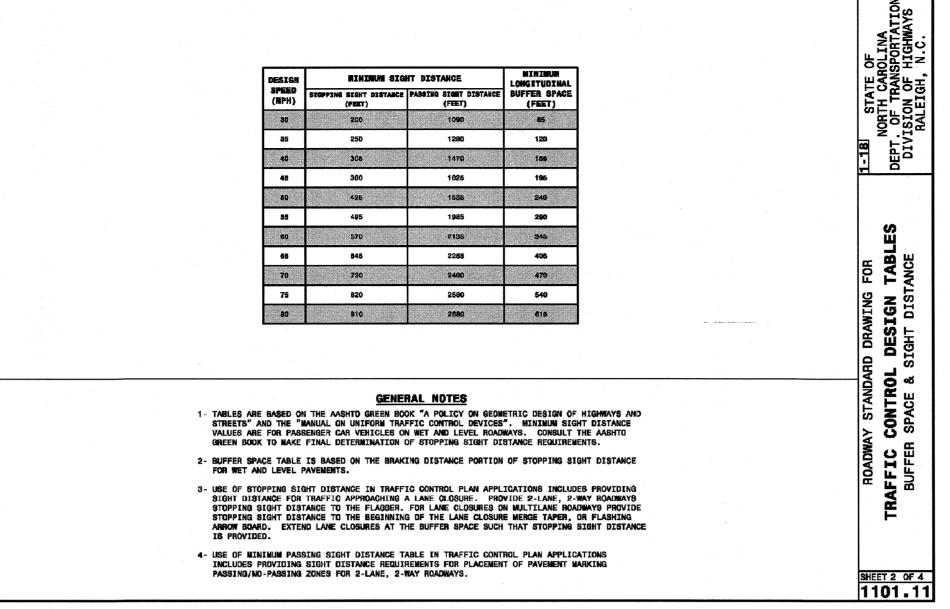
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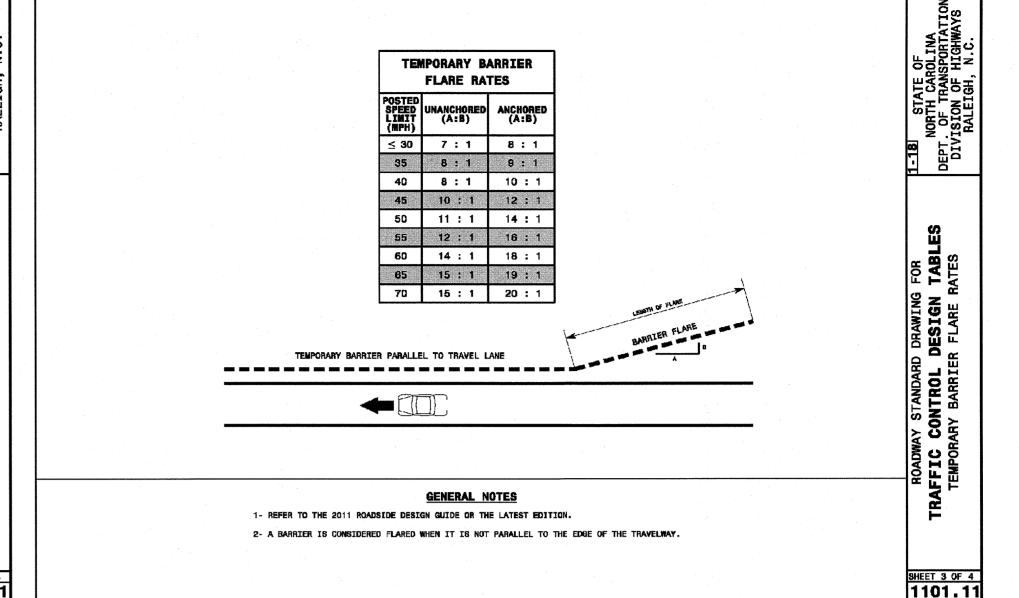
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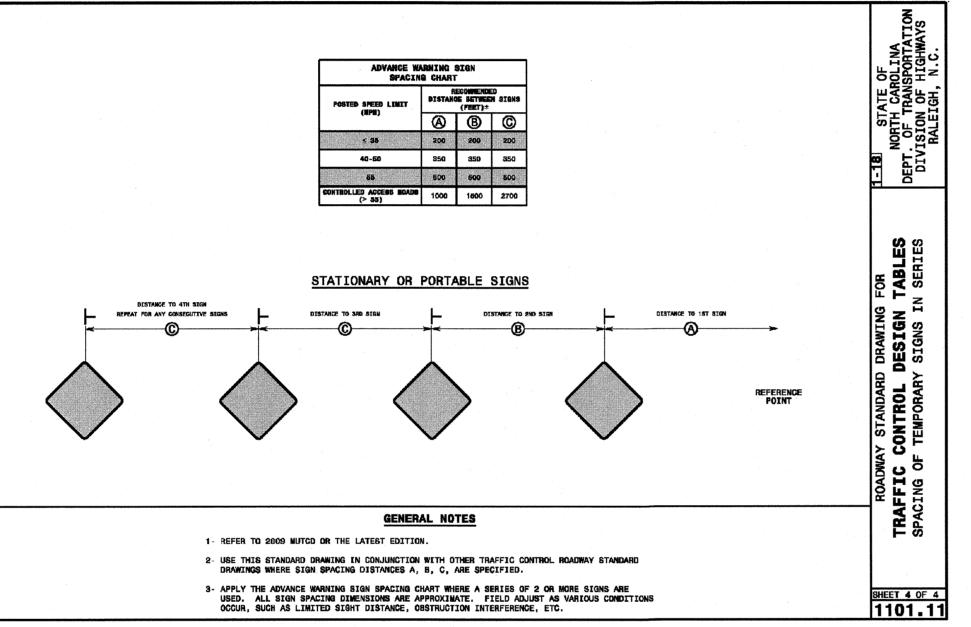
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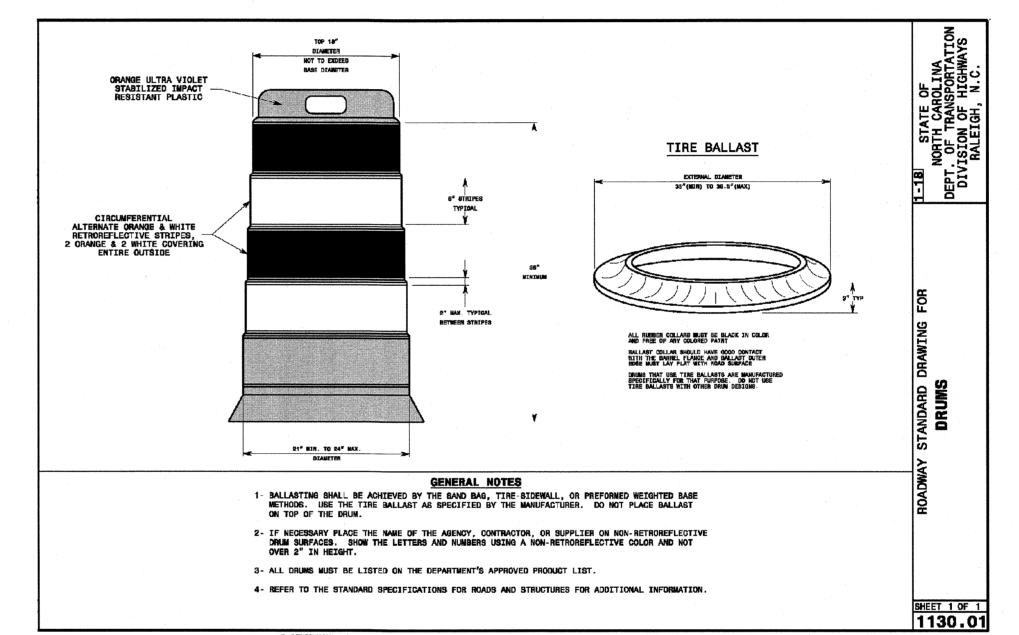
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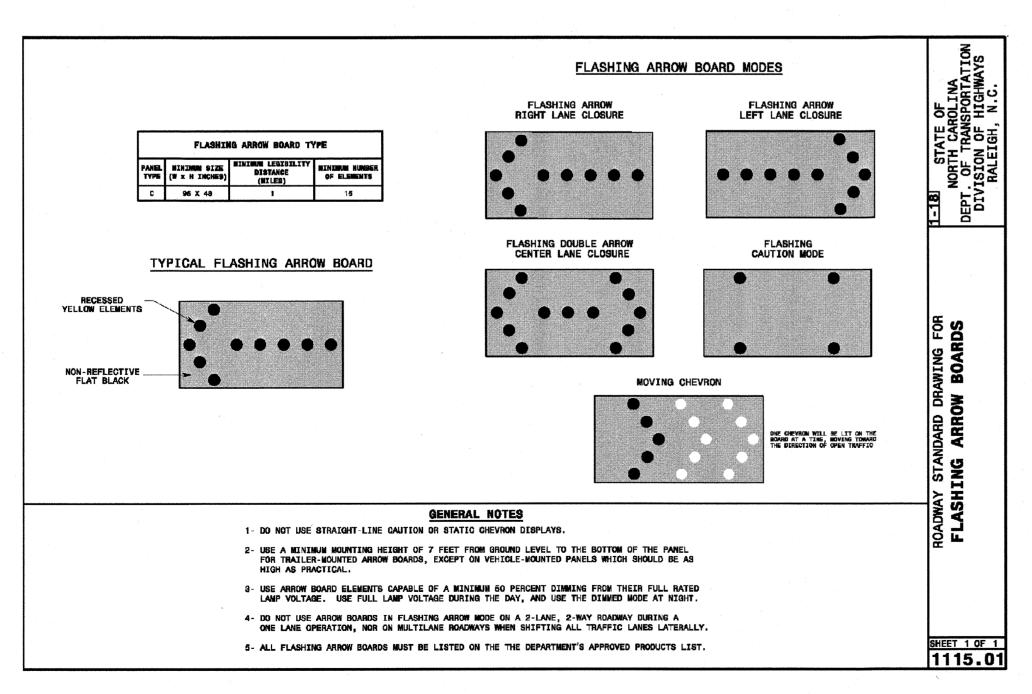


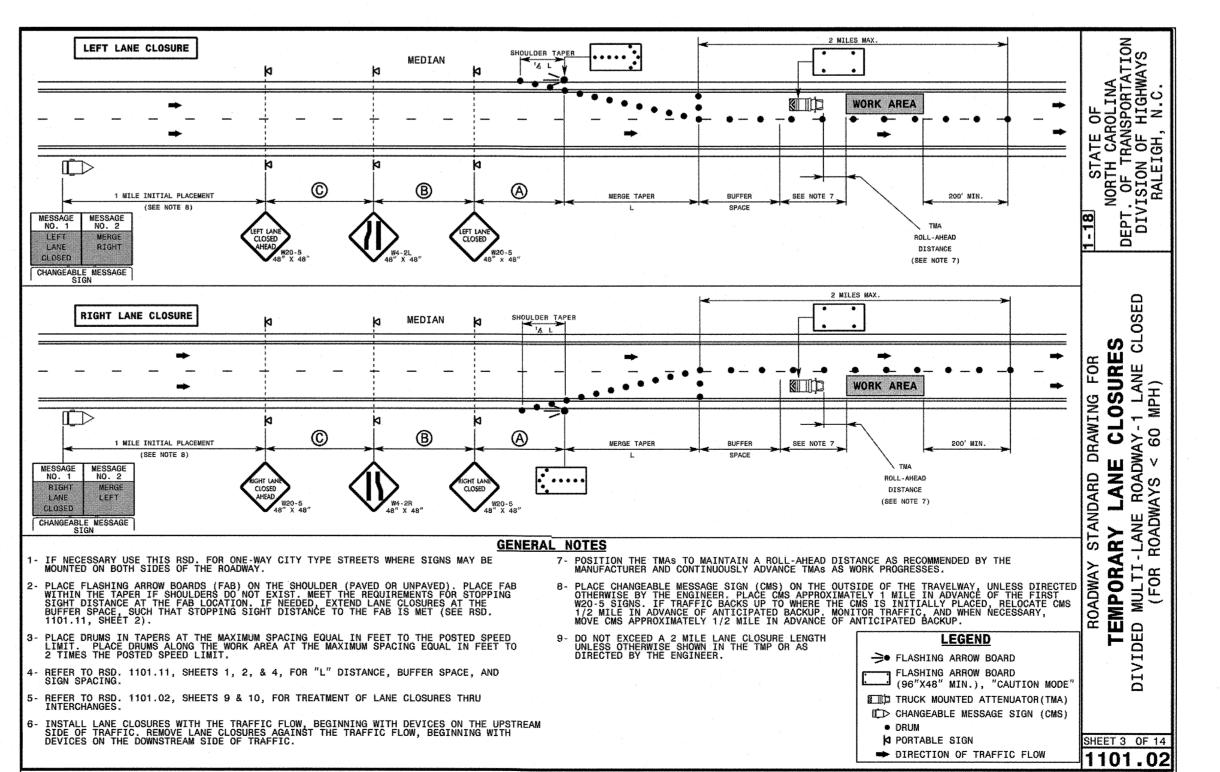














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Public Services • Engineering Division

APPROVED STORMWATER MANAGEMENT PLAN _ Permit # 2018045

Approved Construction Plan

NGINEE PEMY R. 11/28/18

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