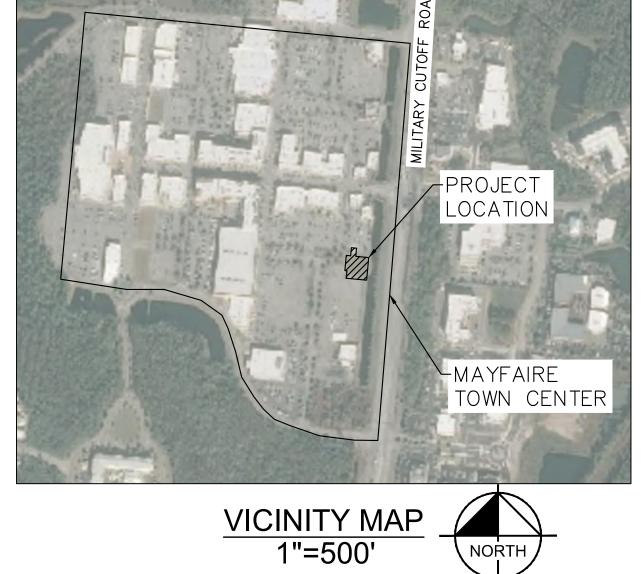


SITE PLAN SUBMITTAL FOR MAYFAIRE SELF DEV.

1035 INTERNATIONAL DRIVE WILMINGTON, NORTH CAROLINA 28405

A DEVELOPMENT BY: CBL PROPERTIES

2030 HAMILTON PLACE BOULEVARD SUITE 500 CHATTANOOGA, TN 37421



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PREPARED FOR PROPERTIES

SHEET NUMBER

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

- CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR PRECISE BUILDING DIMENSIONS, BUILDING UTILITY ENTRANCE LOCATIONS, AND EXACT LOCATIONS AND DIMENSIONS OF EXIT PORCHES, RAMPS, DOWNSPOUTS, GRAVEL AREAS ADJACENT TO BUILDING WALLS, UTILITY ENTRANCE LOCATIONS AND BOLLARDS IN BUILDING SIDEWALKS. ANY DISCREPANCIES FOUND BETWEEN THE BUILDING AND CIVIL PLANS SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER.
- ACCESSIBLE PARKING SIGNS WITH A "VAN" MARKING SHALL HAVE ADDITIONAL SIGN MOUNTED BELOW THE SYMBOL OF ACCESSIBILITY SIGN DENOTING VAN ACCESSIBILITY; REFER TO CONSTRUCTION DETAIL SHEETS.
- 3. REFER TO CONSTRUCTION DETAIL SHEETS FOR DETAILS OF ON-SITE SIGNAGE, STRIPING, AND PAVEMENT MARKING. REFER TO SITE PLAN FOR ADDITIONAL DIMENSIONAL INFORMATION.
- 4. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL CITY, COUNTY AND STATE REGULATIONS AND CODES AND O.S.H.A. STANDARDS.
- 5. ALL ISLANDS WITH CURB & GUTTER SHALL BE LANDSCAPED UNLESS OTHERWISE INDICATED.
- SURVEY TITLED "TOPOGRAPHIC SURVEY OF 1035 INTERNATIONAL DRIVE" BY GSC SURVEYING, DATED MAY 22, 2019 4070 BARRETT DRIVE, RALEIGH, NC 27609, 919-787-580.
- THE CONTRACTOR SHALL EMPLOY ALL NECESSARY BARRICADES, SIGNS, FENCES, FLASHING LIGHTS, TRAFFIC MEN, ETC. FOR MAINTENANCE AND PROTECTION OF TRAFFIC AS REQUIRED BY THE STATE DEPT. OF TRANSPORTATION, NCDOT AND CITY OF WILMINGTON INSPECTIONS.
- 8. THE CONTRACTOR SHALL PROTECT ALL MONUMENTS, IRON PINS, AND PROPERTY CORNERS DURING
- 9. THE CONTRACTOR SHALL REPLACE EXISTING CONCRETE CURBS, SIDEWALK, PAVING, AND GUTTER AS INDICATED ON PLANS AND AS NECESSARY TO CONNECT TO EXISTING INFRASTRUCTURE.
- 10. APPROVAL OF THIS PLAN IS NOT AN AUTHORIZATION TO GRADE ADJACENT PROPERTIES. WHEN FIELD CONDITIONS WARRANT OFF-SITE GRADING, PERMISSION MUST BE OBTAINED FROM THE AFFECTED PROPERTY OWNERS AND TEMPORARY CONSTRUCTION EASEMENTS MAY BE REQUIRED.
- 11. CONTRACTOR AGREES TO REPAIR ANY DAMAGE TO THE PUBLIC RIGHT-OF-WAY IN ACCORDANCE WITH THE STANDARDS OF THE NCDOT AND CITY OF WILMINGTON.
- 12. COORDINATE ALL CURB AND STREET GRADES IN INTERSECTIONS WITH INSPECTOR.
- 13. THE CONTRACTOR SHALL IMMEDIATELY REPORT TO THE OWNER ANY DISCREPANCIES FOUND BETWEEN THE ACTUAL FIELD CONDITIONS AND THE CONSTRUCTION DOCUMENTS AND SHALL WAIT FOR INSTRUCTION PRIOR
- 14. ALL SITE DIMENSIONS ARE REFERENCED TO THE FACE OF CURB OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED. ALL BUILDING DIMENSIONS ARE REFERENCED TO THE OUTSIDE FACE OF THE STRUCTURE.
- 15. THE CONTRACTOR SHALL CONSTRUCT ACCESSIBLE RAMPS AT ALL INTERSECTIONS IN ACCORDANCE WITH THE NC DEPARTMENT OF TRANSPORTATION STANDARDS MANUAL (LATEST REVISIONS FOR ACCESSIBLE RAMP
- 16. ALL OFF-SITE CONSTRUCTION MUST BE PERFORMED IN ACCORDANCE WITH CURRENT NCDOT STANDARD SPECIFICATIONS AND DETAILS. ALL ON-SITE CONSTRUCTION MUST BE PERFORMED IN ACCORDANCE WITH CITY OF WILMINGTON STANDARD SPECIFICATIONS AND DETAILS.
- 17. ALL WORK MUST COMPLY WITH CHAPTER 11 OF THE NORTH CAROLINA STATE BUILDING AND HANDICAPPED ACCESSIBILITY CODE.
- 18. ADJACENT STREETS SHALL BE KEPT CLEAN AT ALL TIMES.
- 19. TYPE OF CONSTRUCTION OF BUILDING ACCORDING TO THE INTERNATIONAL BUILDING CODE MUST BE
- 20. IN ADDITION TO THE STANDARD COMMENTS, ADDITIONAL FIRE PROTECTION AND ACCESSIBILITY REQUIREMENTS MAY BE REQUIRED DUE TO ANY SPECIAL CIRCUMSTANCES CONCERNING THE PROJECT.
- 21. CONTACT TRAFFIC ENGINEERING AT 341-7888 FORTY-EIGHT HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT OF WAY.

CITY OF WILMINGTON NOTES

- 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.
- 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.
- 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
- ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND/OR NCDOT STANDARDS.
- ONCE STREETS ARE OPEN TO TRAFFIC, CONTACT TRAFFIC ENGINEERING REGARDING THE INSTALLATION OF TRAFFIC AND STREET NAME SIGNS. PROPOSED STREET NAMES MUST BE APPROVED PRIOR TO INSTALLATION OF STREET NAME SIGNS.
- TRAFFIC CONTROL DEVICES (INCLUDING SIGNS AND PAVEMENT MARKINGS) IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD (MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES) STANDARDS.
- CONTACT TRAFFIC ENGINEERING AT 910-341-7888 TO ENSURE THAT ALL TRAFFIC SIGNAL FACILITIES AND
- 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.
- 12. STOP SIGNS AND STREET SIGNS TO REMAIN IN PLACE DURING CONSTRUCTION.
- 13. TACTILE WARNING MATS WILL BE INSTALLED ON ALL WHEELCHAIR RAMPS.

EQUIPMENT ARE SHOWN ON THE PLAN.

- 14. A UTILITY CUT PERMIT IS REQUIRED FOR EACH OPEN CUT OF A CITY STREET.
- 15. ANY BROKEN OR MISSING SIDEWALK PANELS, DRIVEWAY PANELS AND CURBING WILL BE 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
- 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 DEVELOPERS'S SIDE OF THE WATER METER BOX.
- 20. ANY IRRIGATION SYSTEM SUPPLIED BY CFPUA WATER SHALL COMPLY WITH THE CFPUA CROSS CONNECTION CONTROL REGULATIONS. CALL 919-343-3910 FOR INFORMATION.
- 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 APPROVED DEVICES BY USCFCCCHR OR ASSE.
- 23. CONTRACTOR TO FIELD VERIFY EXISTING WATER AND SEWER SERVICE LOCATIONS, SIZES AND MATERIALS PRIOR TO CONSTRUCTION. ENGINEER TO BE NOTIFIED OF ANY CONFLICTS.
- 24. CONTRACTOR SHALL MAINTAIN ALL-WEATHER ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING CONSTRUCTION.
- 25. UNDERGROUND FIRE LINE(S) MUST BE PERMITTED AND INSPECTED BY THE WILMINGTON FIRE DEPARTMENT FROM THE PUBLIC RIGHT-OF-WAY TO THE BUILDING. CONTACT THE WILMINGTON FIRE DEPARTMENT DIVISION OF FIRE AND LIFE SAFETY AT 910-341-0696.
- 26. NO OBSTRUCTIONS ARE PERMITTED IN THE SPACE BETWEEN THIRTY (30) INCHES AND TEN (10) FEET ABOVE THE GROUND WITHIN THE TRIANGULAR SIGHT DISTANCE.
- 27. CONTACT THE NORTH CAROLINA ONE CALL CENTER AT 1-800-632-4949 PRIOR TO DOING ANY DIGGING, CLEARING, OR GRADING.

TRAFFIC CONTROL

REFER TO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (LATEST EDITION) FOR DETAILS OF STANDARD TRAFFIC CONTROL SIGNS AND STANDARDS.

UTILITY NOTES:

- 1. ALL FILL MATERIAL IS TO BE IN PLACE, AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
- 2. CONTRACTOR SHALL NOTIFY THE CITY OF WILMINGTON UTILITY INSPECTORS 72-HOURS BEFORE CONNECTING TO ANY EXISTING LINE.
- 3. SANITARY SEWER PIPE SHALL BE AS FOLLOWS:
 - 8" PVC SDR35 PER ASTM D 3034, FOR PIPES LESS THAN 12' DEEP 8" PVC SDR26 PER ASTM D 3034, FOR PIPES MORE THAN 12' DEEP 6" PVC SCHEDULE 40 4" PVC SCHEDULE 40
 - DUCTILE IRON PIPE PER AWWA C150 AND AWWA C151

4" AND LARGER - DUCTILE IRON PIPE PER AWWA C150

- 4. WATER LINES SHALL BE AS FOLLOWS:
 - SMALLER THAN 4" TYPE K COPPER TUBE
- 5. MINIMUM TRENCH WIDTH SHALL BE 2 FEET. 6. ALL WATER JOINTS ARE TO BE MECHANICAL JOINTS WITH THRUST BLOCKING AS CALLED OUT ON UTILITY
- 7. WATER AND SEWER MAINS SHALL BE KEPT TEN (10') APART (PARALLEL) OR WHEN CROSSING 18" VERTICAL CLEARANCE (OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE OF PIPE).
- 8. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 3.0' COVER ON ALL WATERLINES.
- 9. IN THE EVENT OF A VERTICAL CONFLICT BETWEEN WATERLINES, SANITARY LINES, STORM LINES AND GAS LINES (EXISTING AND PROPOSED), THE SANITARY LINE SHALL BE DUCTILE IRON PIPE WITH MECHANICAL JOINTS AT LEAST 10 FEET ON BOTH SIDES OF CROSSING, THE WATERLINE SHALL HAVE MECHANICAL JOINTS WITH APPROPRIATE THRUST BLOCKING, MEETING REQUIREMENTS OF ANSI A21.10 OR ANSI 21.11 (AWWA
- 10. LINES UNDERGROUND SHALL BE INSTALLED, INSPECTED AND APPROVED BEFORE BACKFILLING.
- 11. ALL CONCRETE FOR ENCASEMENTS SHALL HAVE A MINIMUM 28 DAY COMPRESSION STRENGTH AT 3000
- 12. THE CITY OF WILMINGTON HAS THE RIGHT TO INSPECT ALL PRIVATE WATER SYSTEMS
- 13. DRAWINGS DO NOT CLAIM TO SHOW ALL EXISTING UTILITIES.
- 14. EXISTING UTILITIES SHALL BE VERIFIED IN FIELD PRIOR TO INSTALLATION OF ANY NEW LINES.
- 15. REFER TO ARCHITECTURAL DRAWINGS FOR TIE-IN LOCATION AND ELEVATION OF ALL UTILITIES.
- 16. CONTRACTOR IS RESPONSIBLE FOR COMPLYING TO THE SPECIFICATIONS OF THE CITY OF WILMINGTON UTILITY DEPARTMENT WITH REGARDS TO MATERIALS, INSTALLATION, AND TESTING OF THE WATER AND
- 17. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES.
- 18. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES CHARTED OR UNCHARTED WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
- 19. ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS AND/OR TESTING REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO ANNOUNCED BUILDING POSSESSION AND THE
- 20. CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES FOR INSTALLATION REQUIREMENTS AND
- 21. ALL UTILITY MAIN LENGTHS SHOWN ARE APPROXIMATE.

SPECIFICATIONS.

- 22. ALL EXISTING UTILITIES PROPOSED TO BE RELOCATED ON THESE PLANS SHALL BE PLACED UNDERGROUND.
- 23. ALL SANITARY SEWER AND WATER DISTRIBUTION SYSTEM WORK TO BE INSTALLED BY A LICENSED UTILITY
- 24. THE CONTRACTOR SHALL COORDINATE AS REQUIRED WITH CAPE FEAR PUBLIC UTILITY AUTHORITY (CFPUA) FOR INSTALLATION OF PRIMARY ELECTRIC SERVICE AND TELEPHONE SERVICE TO THE PROPOSED BUILDINGS.
- 25. WHEN A WATER MAIN CROSSES OVER A SEWER MAIN, THERE MUST BE EIGHTEEN INCHES OF VERTICAL SEPARATION. IF THE WATER MAIN MUST GO UNDER THE SEWER MAIN, BOTH THESE LINES MUST BE OF DUCTILE IRON FOR A DISTANCE OF TEN FEET ON EITHER SIDE OF THE CROSSING WITH A TWELVE INCH VERTICAL SEPARATION. THE CROSSING OF OTHER UNDERGROUND PIPE REQUIRES A MINIMUM OF TWELVE INCHES OF VERTICAL SEPARATION. ALL DISTANCES ARE MEASURED FROM OUTSIDE DIAMETER TO OUTSIDE
- 26. WHEN A WATER LINE PASSES OVER OR UNDER A STORM SEWER, VERTICAL SEPARATION OF 18 INCHES SHALL BE MAINTAINED UNLESS WATER LINES ARE OF DUCTILE IRON OR ENCASED IN CONCRETE. A MINIMUM 6" CONCRETE PAD SHALL BE POURED BETWEEN THE TWO. DISTANCES ARE MEASURED FROM OUTSIDE DIAMETER TO OUTSIDE DIAMETER.
- 27. A FIRE INSPECTOR SHALL INSPECT THE UNDERGROUND FIRE LINE PIPING FROM THE PIV TO THE BUILDING. FOR YARD FIRE DEPARTMENT CONNECTIONS (FDCS), THE UNDERGROUND FDC PIPING MUST BE INSPECTED BEFORE IT IS COVERED UP.

BACKFLOW PREVENTION NOTES:

- 1. THERE SHALL BE NO TAPS, PIPING BRANCHES, UNAPPROVED BYPASS PIPING, HYDRANTS, FIRE DEPARTMENT CONNECTION POINTS OR OTHER WATER-USING APPURTENANCES CONNECTED TO THE SUPPLY LINE BETWEEN ANY WATER METER AND ITS CAPE FEAR PUBLIC UTILITY AUTHORITY (CFPUA) UTILITIES DEPARTMENT REQUIRED BACKFLOW PREVENTER.
- 2. EACH CAPE FEAR PUBLIC UTILITY AUTHORITY (CFPUA) UTILITY DEPARTMENT REQUIRED BACKFLOW PREVENTER ASSEMBLY IS REQUIRED TO BE TESTED BY AN APPROVED CERTIFIED TESTER PRIOR TO PLACING THE WATER SYSTEM INTO SERVICE.
- 3. THE DOMESTIC BACKFLOW PREVENTER SHALL BE INSTALLED PER THE CITY OF WILMINGTON REGULATIONS AT THE PROPERTY LINE AND AS SHOWN IN THE LOCATION OF THE UTILITY PLAN.

FINE GRADING NOTES:

- 1. SIDEWALKS TO HAVE A MAXIMUM 2% CROSS SLOPE AND A MAXIMUM 5% LONGITUDINAL SLOPE.
- 2. PEDESTRIAN CROSSWALKS TO HAVE MAXIMUM 2% CROSS SLOPE AND MAXIMUM 5% LONGITUDINAL SLOPE WITHIN STRIPED AREA.
- 3. ADA PARKING AREAS AND ACCESSIBLE AREAS TO HAVE A MAXIMUM 2% SLOPE IN ALL DIRECTIONS.
- 4. SIDEWALK INTERSECTIONS AND RAMP LANDINGS TO HAVE A MAXIMUM 2% SLOPE IN ALL DIRECTIONS.

DEMOLITION NOTES:

- 1. THE CONTRACTOR SHALL COORDINATE ALL REMOVAL EFFORTS WITH THE OWNER. COORDINATION ITEMS ARE ANTICIPATED TO INCLUDE SITE ACCESS, TRAFFIC CONTROL, MAINTENANCE OF ACCESS AND UTILITIES FOR EXISTING BUILDINGS TO REMAIN, AND EROSION CONTROL.
- 2. ALL FEATURES MARKED TO BE ABANDONED IN PLACE SHALL REMAIN IN EXISTING CONDITION UNLESS REMOVED THROUGH EFFORTS FOR OTHER FEATURES.
- 3. SPECIAL CARE SHALL BE TAKEN TO PROTECT AND MAINTAIN ALL EXISTING FEATURES NOT MARKED FOR REMOVAL. IN THE EVENT OF ANY IMPACT TO SUCH FEATURES, THE CONTRACTOR SHALL PERFORM REPAIR AND/OR RESTORATION TO ORIGINAL CONDITION AS OF START OF WORK
- 4. WHERE PAVEMENT REMOVAL AREAS ABUT OTHER PAVEMENT AREAS TO REMAIN, THE EXISTING PAVEMENT SHALL BE SAW CUT TO PROVIDE A BOUNDARY WHICH IS STRAIGHT AND CLEAN IN APPEARANCE.
- 5. ALL SANITARY SEWER MAIN FEATURES WILL GENERALLY BE PROTECTED IN PLACE UNLESS SPECIFICALLY
- 6. THE CONTRACTOR SHALL PROPERLY AND LEGALLY DISPOSE OF ALL DEMOLITION DEBRIS OFF OF THE CONSTRUCTION SITE.

EROSION CONTROL NOTES:

- 1. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL CITY OF WILMINGTON AND NC DEPARTMENT OF TRANSPORTATION REGULATIONS AND CODES AND O.S.H.A. STANDARDS.
- 2. ALL CONTOURS AND SPOT ELEVATIONS REFLECT FINISHED GRADES. SPOT ELEVATIONS AT CURB AND GUTTER LOCATIONS ARE GUTTER ELEVATIONS AT FACE OF CURB, UNLESS OTHERWISE NOTED.
- 3. ALL ELEVATIONS ARE IN REFERENCE TO THE BENCHMARK, AND THIS MUST BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO GROUND BREAKING.
- 4. THE CONTRACTOR SHALL IMMEDIATELY REPORT TO OWNER ANY DISCREPANCIES FOUND BETWEEN ACTUAL FIELD CONDITIONS AND CONSTRUCTION DOCUMENTS AND SHALL WAIT FOR INSTRUCTION PRIOR TO
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING EXISTING UTILITIES, AND SHALL REPAIR ALL DAMAGE TO EXISTING UTILITIES THAT OCCUR DURING CONSTRUCTION.
- 6. CONTRACTOR SHALL BLEND NEW EARTHWORK SMOOTHLY TO TRANSITION BACK TO EXISTING GRADE.
- 7. ALL FILL TO BE COMPACTED PER THE RECOMMENDATIONS OF A GEOTECHNICAL ENGINEER.
- 8. LIMITS OF CLEARING SHOWN ON GRADING PLAN ARE BASED UPON THE APPROXIMATE CUT AND FILL SLOPE LIMITS, OR OTHER GRADING REQUIREMENTS. 9. THE PROPOSED CONTOURS SHOWN IN DRIVES AND PARKING LOTS AND SIDEWALKS ARE FINISHED
- ELEVATIONS INCLUDING ASPHALT. REFER TO PAVEMENT CROSS SECTION DATA TO ESTABLISH CORRECT SUBBASE OR AGGREGATE BASE COURSE ELEVATIONS TO BE COMPLETED UNDER THIS CONTRACT.
- 10. CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE SO THAT RUNOFF WILL DRAIN BY GRAVITY FLOW ACROSS NEW PAVEMENT AREAS TO NEW OR EXISTING DRAINAGE INLETS OR SHEET OVERLAND.
- 11. ANY GRADING, BEYOND THE LIMITS OF CONSTRUCTION AS SHOWN ON THE GRADING PLAN IS CONSIDERED A VIOLATION OF THE GRADING PERMIT AND SUBJECT TO A FINE.
- 12. EXISTING TOPOGRAPHIC INFORMATION TAKEN FROM THE SURVEY REFERENCED IN THIS PLAN SET.
- 13. THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE GENERAL N.P.D.E.S. PERMIT FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES AND ALL TERMS AND CONDITIONS IN THE STATE OR MUNICIPAL GRADING AND EROSION CONTROL PERMIT ISSUED FOR THIS
- 14. ALL UNSURFACED AREAS DISTURBED BY GRADING OPERATION SHALL RECEIVE 4 INCHES OF TOPSOIL.
- 15. CONTRACTOR SHALL STABILIZE AND WATER DISTURBED AREAS UNTIL A HEALTHY STAND OF GRASS IS 16. CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO SAME.
- 17. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF ALL SHEETING, SHORING, BRACING AND SPECIAL EXCAVATION MEASURES REQUIRED TO MEET OSHA, FEDERAL, STATE AND LOCAL REGULATIONS PURSUANT TO THE INSTALLATION OF THE WORK INDICATED ON THESE DRAWINGS. THE DESIGN ENGINEER ACCEPTS NO RESPONSIBILITY FOR THE DESIGN(S) TO INSTALL SAID ITEMS.
- 18. THE CONTRACTOR SHALL INCLUDE IN THE CONTRACT PRICE ANY DEWATERING NECESSARY TO CONSTRUCT THE PROJECT AS SHOWN ON THE PLANS AS AN ALTERNATE ALLOWANCE.
- 19. THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR EXACT BUILDING DIMENSIONS, DOOR LOCATIONS AND EXACT UTILITY ENTRANCE LOCATIONS AND ELEVATIONS.
- 20. ALL FILL MATERIALS, EXISTING BUILDING FOUNDATIONS, PAVEMENT AND UTILITY STRUCTURES, TOPSOIL AND ANY OTHER DELETERIOUS MATERIALS SHALL BE COMPLETELY REMOVED FROM WITHIN THE BEARING ZONE
- 21. ALL FOUNDATION AND UTILITY EXCAVATION SHALL BE INSPECTED BY A QUALIFIED GEOTECHNIAL REPRESENTATIVE TO DETERMINE WHETHER UNSUITABLE MATERIAL MUST BE REMOVED. ALL UNDESIRABLE MATTER SHALL BE REMOVED, BACKFILLED AND COMPACTED WITH SUITABLE MATERIAL AS REQUIRED BY THE GEOTECHNICAL REPRESENTATIVE AT CONTRACTOR'S EXPENSE.
- 22. GRADES, ELEVATIONS AND LOCATIONS SHOWN ARE APPROXIMATE. AS DIRECTED BY THE ENGINEER, THEY MAY BE ADJUSTED TO ACCOMMODATE UNFORESEEN CONDITIONS. STATIONS, OFFSETS AND ELEVATIONS REFER TO THE CENTER OF DROP INLETS, MANHOLES AND JUNCTION BOXES, AND THE MIDPOINT OF THE LIP FOR CATCH BASINS.
- 23. CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.
- 24. EXISTING AND PROPOSED GRADE CONTOUR INTERVALS SHOWN AT 1 FOOT.
- 25. CONTRACTOR IS RESPONSIBLE FOR DEMOLITION OF EXISTING STRUCTURES INCLUDING REMOVAL OF ANY EXISTING UTILITIES SERVING THE STRUCTURE. UTILITIES ARE TO BE REMOVED TO THE RIGHT-OF-WAY OR ABANDONED AT MAIN AS REFERENCED IN THE PLANS.
- 26. ALL CUT OR FILL SLOPES SHALL BE 3:1 OR FLATTER UNLESS OTHERWISE NOTED.
- 27. ALL AREAS WITH 2:1 SLOPE OR ERODABLE SLOPES SHALL BE COVERED WITH ERONET MATTING OR APPROVED EQUAL INSTALL PER MANUFACTURER'S INSTRUCTIONS.
- 28. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES.

- 1. STORM PIPE SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED:
 - 15" DIAMETER AND LARGER: RCP, CLASS III PER ASTM C-76, WITH FLEXIBLE PLASTIC BITUMEN GASKETS AT JOINTS.
 - LESS THAN 15" DIAMETER: PVC SCHEDULE 40 OR HDPE AASHTO DESIGNATION M252 TYPE S, M294 TYPE S AND MP7-97 TYPE S, SMOOTH INTERIOR/AMMULAR EXTERIOR. ONLY PERMITTED WHEN SPECIFICALLY INDICATED ON THE CONSTRUCTION DRAWINGS. PIPE SHALL BE INSTALLED IN ACCORDANCE WITH PIPE MANUFACTURER'S INSTALLATION GUIDELINES OR NCDOT SPECIFICATION. WHICHEVER IS MORE STRINGENT. PIPE JOINTS AND FITTINGS SHALL CONFORM TO AASHTO M252 AND
- 2. ALL STORM DRAINAGE WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE CLASS III REINFORCED CONCRETE PIPE
- UNLESS OTHERWISE SPECIFIED AS CLASS IV.
- 3. ALL PIPE LENGTHS AND SLOPES ARE APPROXIMATE. 4. ALL PIPES SHALL BE LAID ON STRAIGHT ALIGNMENTS AND EVEN GRADES USING A PIPE LASER OR OTHER
- ACCURATE METHOD 5. ADDITIONAL SUBSURFACE DRAINAGE MAY RE REQUIRED IN THE STREET RIGHT-OF-WAY IF DEEMED NECESSARY BY THE INSPECTOR.
- 6. UNDERGROUND UTILITY LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING STANDARDS IN
- ADDITION TO OTHER APPLICABLE CRITERIA:
 - A. NO MORE THAN 500 LF OF TRENCH MAY BE OPENED AT ONE TIME.
- B. EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF TRENCHES. C. EFFLUENT FROM DEWATERING OPERATIONS SHALL BE FILTERED OR PASSED THROUGH AN APPROVED SEDIMENT TRAPPING DEVICE, OR BOTH, AND DISCHARGED IN A MANNER THAT DOES NOT ADVERSELY AFFECT FLOWING STREAMS OR OFF-SITE PROPERTY.
- D. MATERIAL USED FOR BACK-FILLING TRENCHES SHALL BE PROPERLY COMPACTED IN ORDER TO MINIMIZE EROSION AND PROMOTE STABILIZATION.
- . DESTABILIZATION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE EROSION AND SEDIMENT CONTROL REGULATIONS.
- F. APPLICABLE SAFETY REGULATIONS SHALL BE COMPLIED WITH.
- 7. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION, IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.
- 8. ALL STORM PIPE ENTERING STRUCTURES SHALL BE GROUTED TO ASSURE CONNECTION AT STRUCTURE IS WATERTIGHT.
- 9. ALL STORM STRUCTURES SHALL HAVE A SMOOTH UNIFORM POURED MORTAR INVERT FROM INVERT IN TO

10. PRECAST STRUCTURES MAY BE USED AT CONTRACTORS OPTION. CATCH BASINS, MANHOLES, FRAMES,

- GRATES, ETC. SHALL MEET THE REQUIREMENTS OF THE LATEST EDITION OF THE NC DEPARTMENT OF TRANSPORTATION STANDARD DETAILS AND SPECIFICATIONS. 11. THIS PLAN DETAILS PIPES UP TO 5FT FROM THE BUILDING FACE. REFER TO DRAWINGS BY OTHERS FOR
- 12. ALL STORM SEWER MANHOLES IN PAVED AND UNPAVED AREAS SHALL BE FLUSH WITH PAVEMENT, AND

BUILDING CONNECTIONS. CONTRACTOR SHALL SUPPLY AND INSTALL PIPE ADAPTERS AS NECESSARY.

SHALL HAVE TRAFFIC BEARING RING & COVERS. LIDS SHALL BE LABELED "STORM SEWER". 13. STRUCTURE TOP ELEVATIONS SHOWN HERE IN ARE APPROXIMATE. CONTRACTOR SHALL ADJUST AS

14. RIM ELEVATIONS AS SHOWN ON THE CONSTRUCTION DRAWINGS ARE TO THE GUTTER FLOW LINE.

DISTURBANCE TAKES PLACE.

- 1. CONTRACTOR IS RESPONSIBLE FOR PROPERLY DISPOSING OF EXCESS MATERIAL OFF-SITE.
- 2. CONTRACTOR SHALL INSTALL AND MAINTAIN THROUGHOUT THE CONSTRUCTION PROJECT ALL EROSION CONTROL COUNTER MEASURES SHOWN ON THIS SHEET IN ACCORDANCE WITH APPLICABLE STANDARDS FROM THE <u>NEW HANOVER COUNTY EROSION</u> AND SEDIMENT CONTROL
- 3. GROUND COVER SHALL BE ESTABLISHED PER "SEEDBED PREPARATION NOTES" PROVIDED IN THE EROSION CONTROL DETAILS.
- 4. THE CONTRACTOR SHALL PROVIDE GROUND COVER ON DESIGNATED AREAS AND SLOPES GREATER THAN 3:1 WITHIN 7 DAYS FOLLOWING COMPLETION OF ANY PHASE OF GRADING. CONTRACTOR SHALL PROVIDE GROUND COVER IN 14 DAYS ON ALL OTHER AREAS FOLLOWING COMPLETION OF ANY PHASE OF GRADING. PERMANENT GROUND COVER FOR ALL DISTURBED AREAS SHALL BE PROVIDED WITHIN 15 WORKING DAYS OR 90 CALENDAR DAYS (WHICHEVER IS SHORTER) FOLLOWING COMPLETION OF CONSTRUCTION.
- 5. DURING CONSTRUCTION OF THE PROJECT, SOIL STOCKPILES AND BORROW AREAS SHALL BE STABILIZED OR PROTECTED WITH SEDIMENT TRAPPING MEASURES. THE CONTRACTOR IS RESPONSIBLE FOR THE TEMPORARY PROTECTION AND PERMANENT STABILIZATION OF ALL SOIL STOCKPILES ON SITE AS WELL AS BORROW AREAS AND SOIL INTENTIONALLY TRANSPORTED FROM THE PROJECT SITE.
- 6. SEDIMENT BASINS AND TRAPS, PERIMETER DIKES, SEDIMENT BARRIERS AND OTHER MEASURES INTENDED TO TRAP SEDIMENT SHALL BE CONSTRUCTED AS A FIRST STEP IN ANY LAND-DISTURBING ACTIVITY AND SHALL BE MADE FUNCTIONAL BEFORE UPSLOPE LAND
- 7. WHERE CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED OR PUBLIC ROADS, PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY VEHICULAR TRACKING ONTO THE PAVED SURFACE. WHERE SEDIMENT IS TRANSPORTED ONTO A PAVED OR PUBLIC ROAD SURFACE, THE ROAD SURFACE SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM THE ROADS BY SHOVELING OR SWEEPING AND TRANSPORTED TO A SEDIMENT CONTROL DISPOSAL AREA. STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT
- ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURE SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED AND APPROVAL HAS BEEN OBTAINED FROM THE CITY OF WILMINGTON INSPECTIONS DEPARTMENT. TRAPPED SEDIMENT AND THE DISTURBED SOIL AREAS RESULTING FROM THE DISPOSITION OF TEMPORARY MEASURES SHALL BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION AND SEDIMENTATION.
- 9. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE NEW HANOVER COUNTY EROSION AND SEDIMENT CONTROL REGULATIONS, U.S. DEPT. OF AGRICULTURE, AND U.S. SOIL CONSERVATION SERVICE.
- 10. THE CONTRACTOR SHALL DILIGENTLY AND CONTINUOUSLY MAINTAIN ALL EROSION CONTROL DEVICES AND STRUCTURES TO MINIMIZE EROSION. THE CONTRACTOR SHALL MAINTAIN CLOSE CONTACT WITH THE EROSION CONTROL INSPECTOR SO THAT PERIODIC INSPECTIONS CAN BE PERFORMED AT APPROPRIATE STAGES OF CONSTRUCTION.
- 11. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN AND PERMIT SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
- 12. STABILIZATION IS THE BEST FORM OF EROSION CONTROL. ALL DISTURBED AREAS WHICH ARE NOT OTHERWISE STABILIZED SHALL BE TOP SOILED AND SEEDED, TEMPORARILY OR PERMANENTLY IN ACCORDANCE WITH THE NEW HANOVER COUNTY SEDIMENT CONTROL REGULATIONS. PERMANENT SEEDING AND GRASS ESTABLISHMENT IS REQUIRED PRIOR TO PROJECT COMPLETION AND
- 13. CONTRACTOR TO ENSURE THAT SEDIMENT LADEN RUNOFF DOES NOT LEAVE SITE LIMITS OR ENTER PROTECTED AREAS. ANY SEDIMENT DEPOSITED BEYOND DISTURBED AREA WITHIN SITE LIMITS
- 14. WHEN A CRUSHED STONE CONSTRUCTION ENTRANCE HAS BEEN COVERED WITH SOIL OR HAS BEEN PUSHED INTO THE SOIL BY CONSTRUCTION TRAFFIC, IT SHALL BE REPLACED WITH A DEPTH OF STONE EQUAL TO THAT OF THE ORIGINAL APPLICATION. 15. ALL DRAINAGE INLETS SHALL BE PROTECTED FROM SILTATION. INEFFECTIVE PROTECTION DEVICES

SHALL BE IMMEDIATELY REPLACED AND THE INLET CLEANED. FLUSHING IS NOT AN ACCEPTABLE

- 16. DURING DEWATERING OPERATIONS, WATER SHALL BE PUMPED INTO AN APPROVED FILTERING DEVICE PRIOR TO DISCHARGE TO RECEIVING OUTLET.
- 17. STABILIZATION MEASURES SHALL BE APPLIED TO STRUCTURES SUCH AS DAMS, DIKES AND

TREE PROTECTION NOTES:

DIVERSIONS IMMEDIATELY AFTER INSTALLATION.

SAVE ALL OTHER EXISTING TREES AND SHRUBS WHERE POSSIBLE.

BEGINS AND IS NOT TO BE REMOVED UNTIL AFTER CONSTRUCTION.

METHOD OF CLEANING.

- THE CONTRACTOR SHALL PROTECT ALL TREES AND SHRUBS OUTSIDE OF CUT/FILL LINES, IN ADDITION TO THOSE THAT RECEIVE TREE/SHRUB PROTECTION BARRIERS. THE CONTRACTOR IS ALSO REQUESTED TO
- WHEN ROOT PRUNING IS NECESSARY, CUT ROOTS CLEANLY USING A DISC TRENCHER AND IMMEDIATELY COVER ALL ROOT CUT SURFACES LARGER THAN TWO INCHES IN DIAMETER WITH TREE WOUND DRESSING. USE PLYWOOD FORMS WHEN TREE ROOTS ARE ADJACENT TO PROPOSED CURB & GUTTER OR SIDEWALK.
- 3. NO SOIL DISTURBANCE OR COMPACTION, CONSTRUCTION MATERIALS, TRAFFIC, BURIAL PITS, TRENCHING OR OTHER LAND DISTURBING ACTIVITY ALLOWED IN THE TREE PROTECTION ZONE. TREE BARRICADES MUST BE INSTALLED BEFORE ANY DEMOLITION, GRADING OR CONSTRUCTION BEGINS, AND NOT REMOVED UNTIL FINAL
- 4. NO GRUBBING WITHIN TREE PROTECTION ZONE. LEAVE SOIL AND LEAF LITTER UNDISTURBED. SUPPLEMENT WITH 1-2 INCHES OF MULCH. RE-SEED WITH GRASS ONLY IN DISTURBED/GRADED AREAS. 5. TREE BARRICADES MUST BE INSTALLED BEFORE ANY DEMOLITION, CLEARING, GRADING OR CONSTRUCTION

Approved Construction Plan

<u>Name</u>



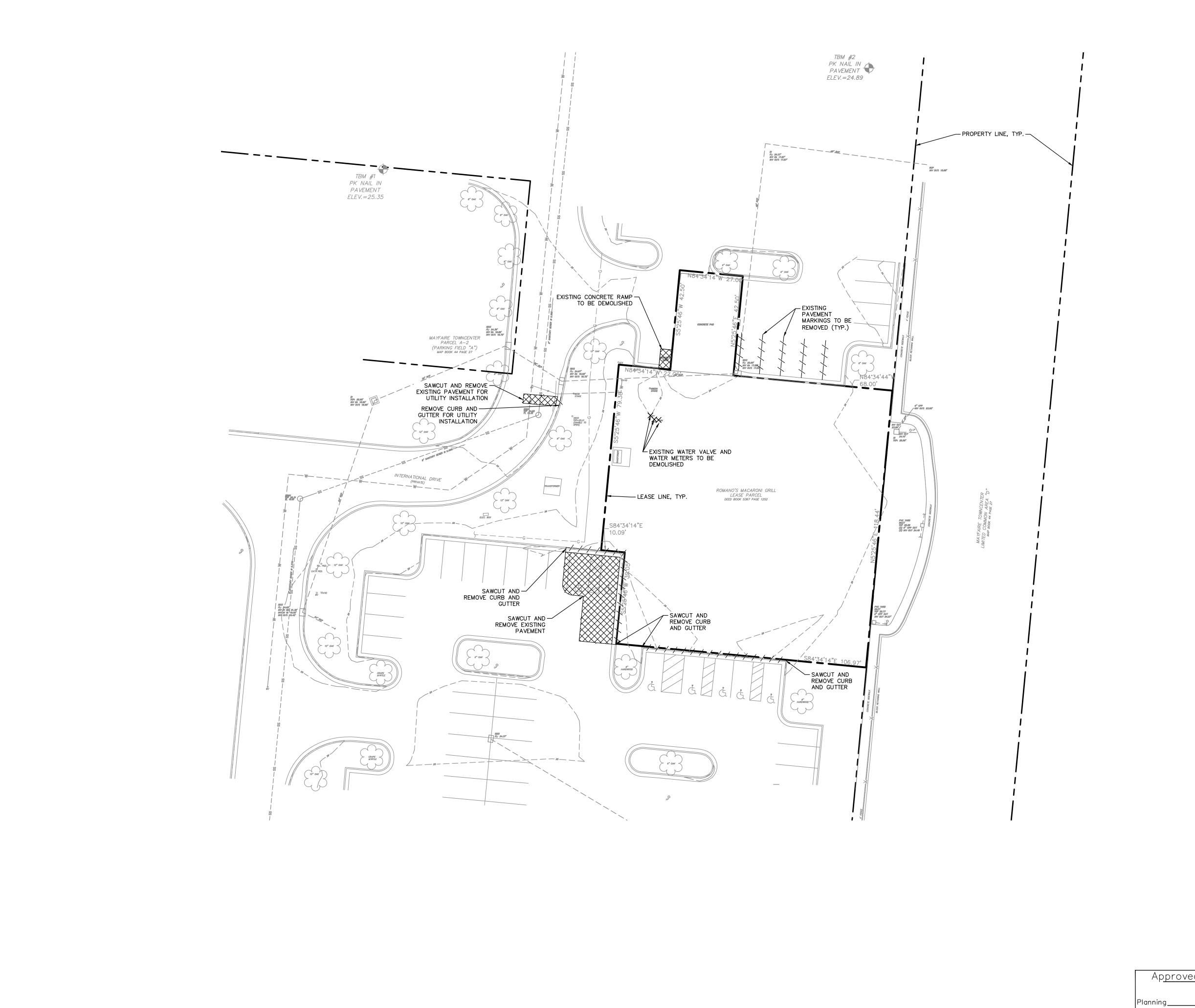
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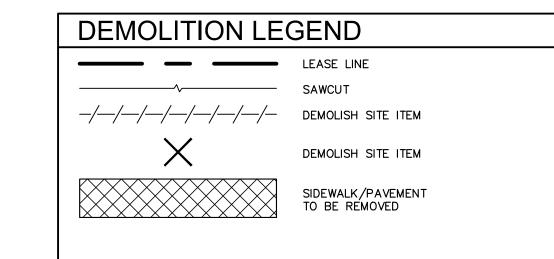
Permit #____

MINGTON Public Services • Engineering Division PPROVED STORMWATER MANAGEMENT PLAN

Signed: _____

SHEET NUMBER





LEGEND

ONE NAIL FOUND SHYD FIRE HYDRANT FDC IRRIGATION CONTROL VALVE OWV WATER VALVE OWM WATER METER

LIGHT POLE SANITARY SEWER LINE BOLLARD: SIGN □ CB. CATCH BASIN OGV GAS VALVE GAS METER

GAS LINE (AS MARKED)

OAK TREE W/SIZE

EDGE OF ASPHALT PAVEMENT CURB & GUITER

OIRF IRON ROD OR REBAR FOUND

Kimle

SELF DEV PREPARED FOR PROPERTIES

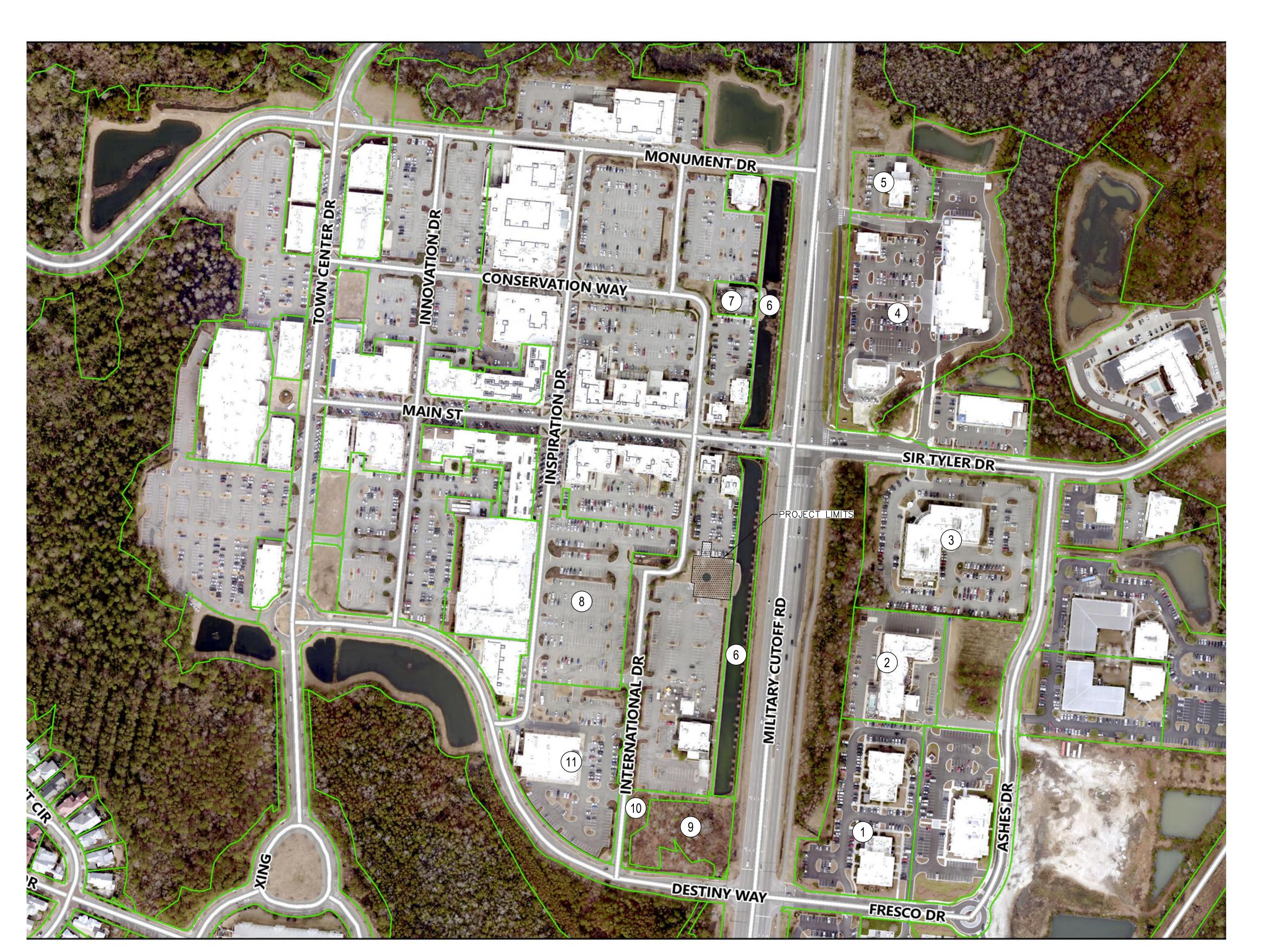
NORTH

MAYFAIRE CBL

SHEET NUMBER
C1.0

Approved Construction Plan Name Date nning ffic	WILMINGTON NORTH CAROLINA Public Services • Engineering Division APPROVED STORMWATER MANAGEMENT PLAN Date: Permit # Signed:
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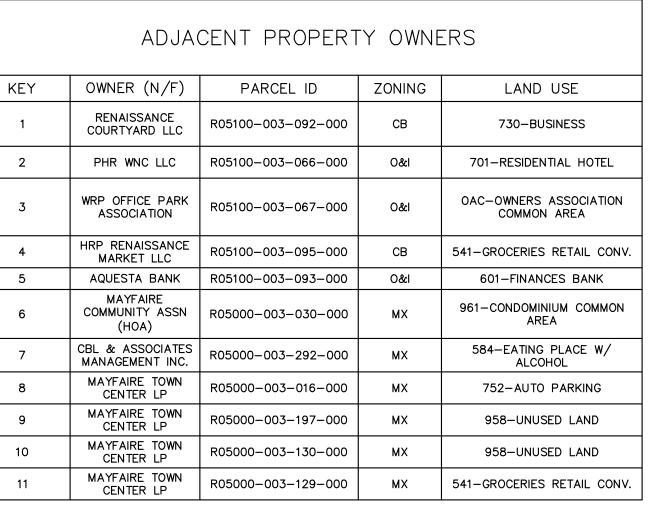
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SITE LEGEND

PROPERTY LINE

ADJACENT PROPERTY OWNERS					
OWNER (N/F)	PARCEL ID	ZONING	LAND USE		
RENAISSANCE COURTYARD LLC	R05100-003-092-000	СВ	730-BUSINESS		
PHR WNC LLC	R05100-003-066-000	0&1	701-RESIDENTIAL HOTEL		
WRP OFFICE PARK ASSOCIATION	R05100-003-067-000	0&1	OAC-OWNERS ASSOCIATION COMMON AREA		
HRP RENAISSANCE MARKET LLC	R05100-003-095-000	СВ	541-GROCERIES RETAIL CONV.		
AQUESTA BANK	R05100-003-093-000	0&l	601-FINANCES BANK		
MAYFAIRE COMMUNITY ASSN (HOA)	R05000-003-030-000	MX	961-CONDOMINIUM COMMON AREA		
CBL & ASSOCIATES MANAGEMENT INC.	R05000-003-292-000	MX	584-EATING PLACE W/ ALCOHOL		
MAYFAIRE TOWN CENTER LP	R05000-003-016-000	MX	752-AUTO PARKING		
MAYFAIRE TOWN CENTER LP	R05000-003-197-000	MX	958-UNUSED LAND		
MAYFAIRE TOWN CENTER LP	R05000-003-130-000	MX	958-UNUSED LAND		
MAYFAIRE TOWN CENTER LP	R05000-003-129-000	MX	541-GROCERIES RETAIL CONV.		
	OWNER (N/F) RENAISSANCE COURTYARD LLC PHR WNC LLC WRP OFFICE PARK ASSOCIATION HRP RENAISSANCE MARKET LLC AQUESTA BANK MAYFAIRE COMMUNITY ASSN (HOA) CBL & ASSOCIATES MANAGEMENT INC. MAYFAIRE TOWN CENTER LP MAYFAIRE TOWN CENTER LP MAYFAIRE TOWN CENTER LP MAYFAIRE TOWN CENTER LP MAYFAIRE TOWN CENTER LP	OWNER (N/F) PARCEL ID RENAISSANCE COURTYARD LLC R05100-003-092-000 PHR WNC LLC R05100-003-066-000 WRP OFFICE PARK ASSOCIATION R05100-003-067-000 HRP RENAISSANCE MARKET LLC R05100-003-095-000 AQUESTA BANK R05100-003-093-000 MAYFAIRE COMMUNITY ASSN (HOA) R05000-003-030-000 CBL & ASSOCIATES MANAGEMENT INC. R05000-003-292-000 MAYFAIRE TOWN CENTER LP R05000-003-016-000 MAYFAIRE TOWN CENTER LP R05000-003-130-000 MAYFAIRE TOWN CENTER LP R05000-003-130-000 MAYFAIRE TOWN CENTER LP R05000-003-130-000	OWNER (N/F) PARCEL ID ZONING RENAISSANCE COURTYARD LLC R05100-003-092-000 CB PHR WNC LLC R05100-003-066-000 O&I WRP OFFICE PARK ASSOCIATION R05100-003-067-000 O&I HRP RENAISSANCE MARKET LLC R05100-003-095-000 CB AQUESTA BANK R05100-003-093-000 O&I MAYFAIRE COMMUNITY ASSN (HOA) R05000-003-030-000 MX CBL & ASSOCIATES MANAGEMENT INC. R05000-003-292-000 MX MAYFAIRE TOWN CENTER LP R05000-003-197-000 MX MAYFAIRE TOWN CENTER LP R05000-003-130-000 MX MAYFAIRE TOWN CENTER LP R05000-003-130-000 MX		



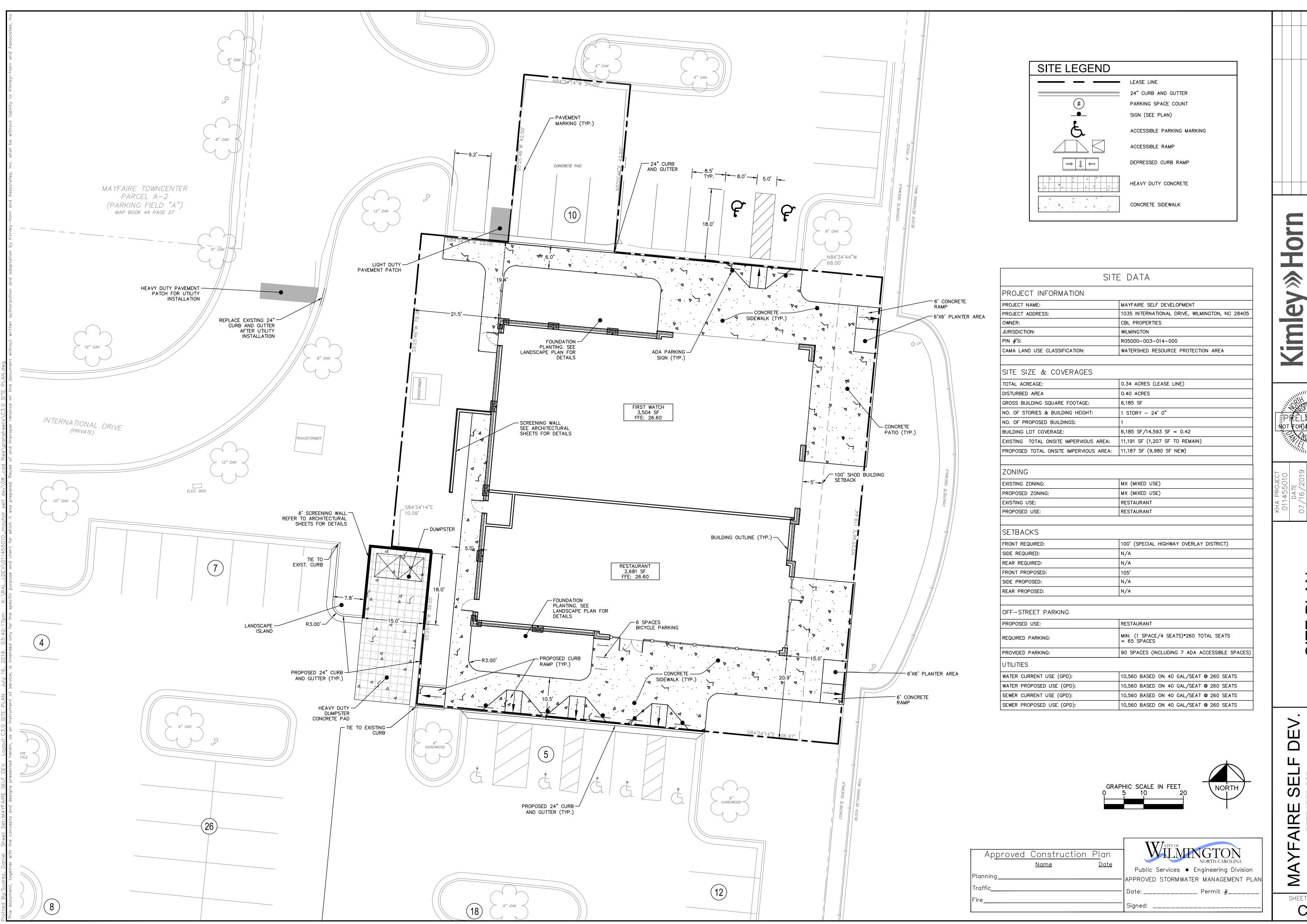
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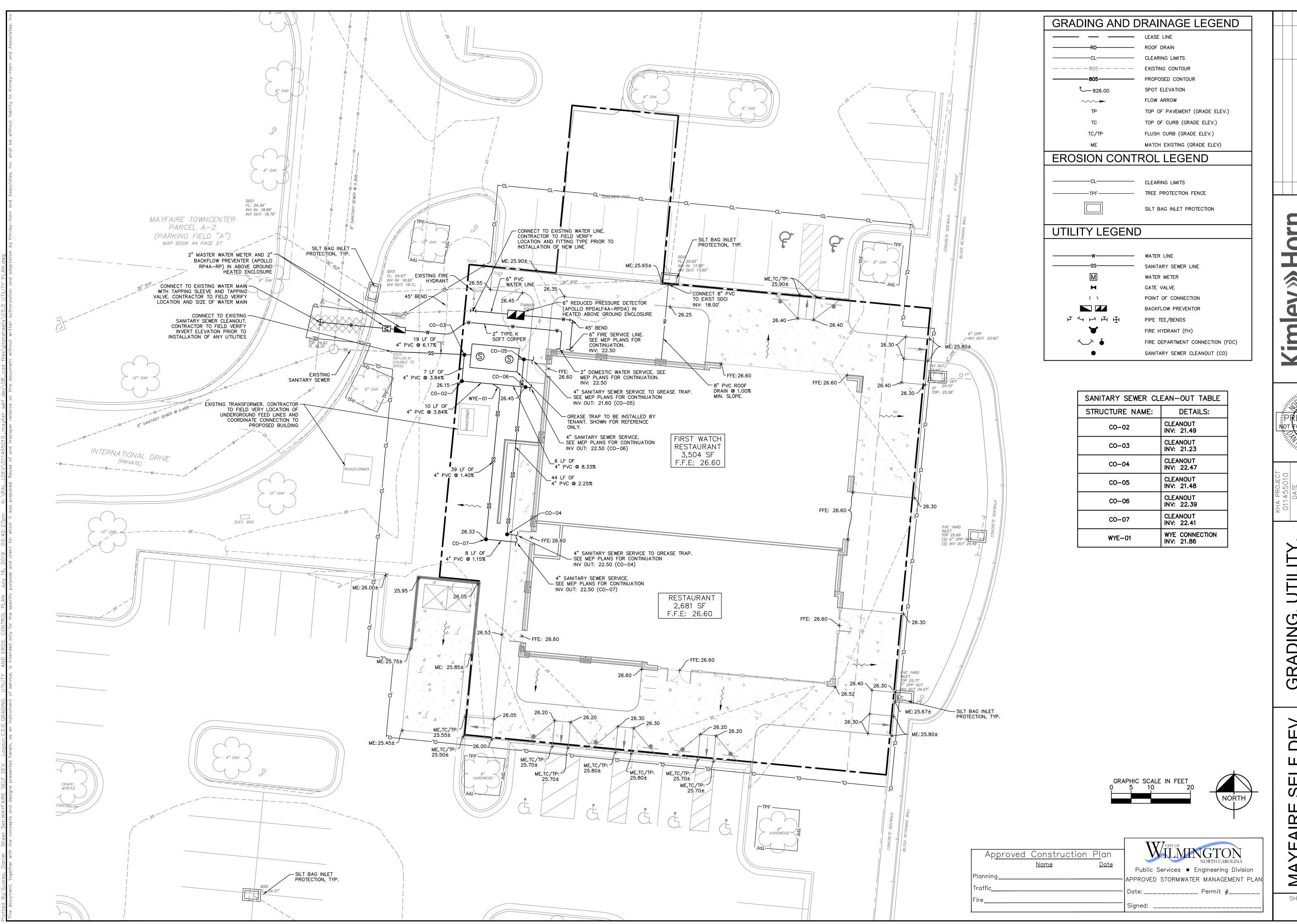
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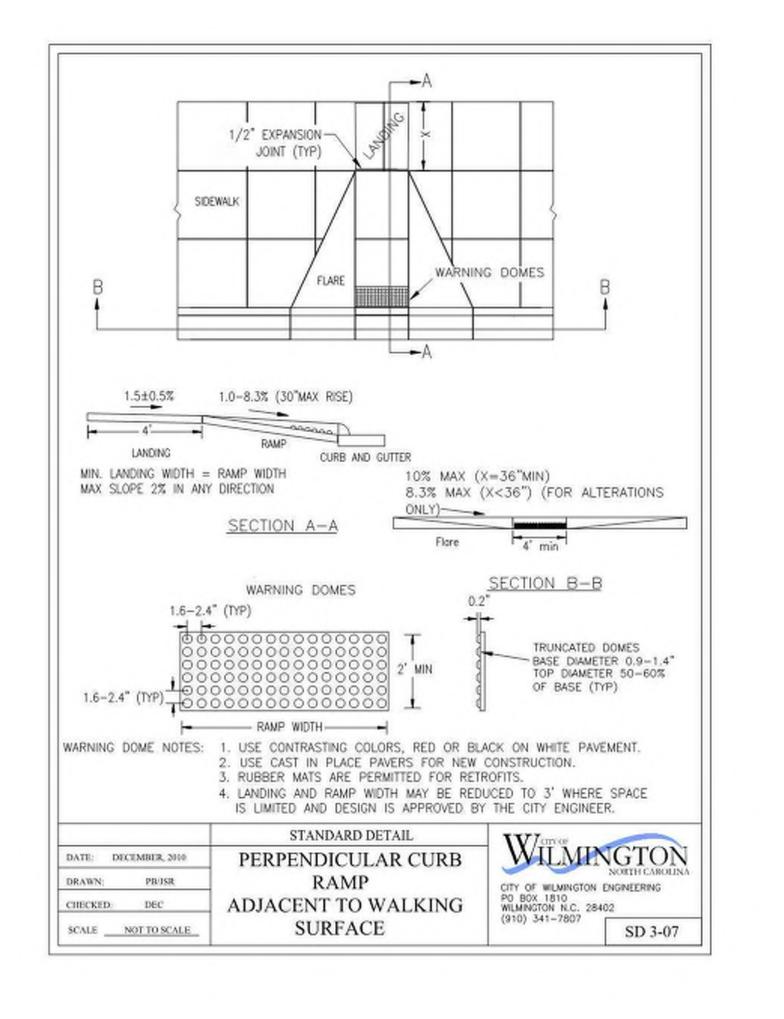
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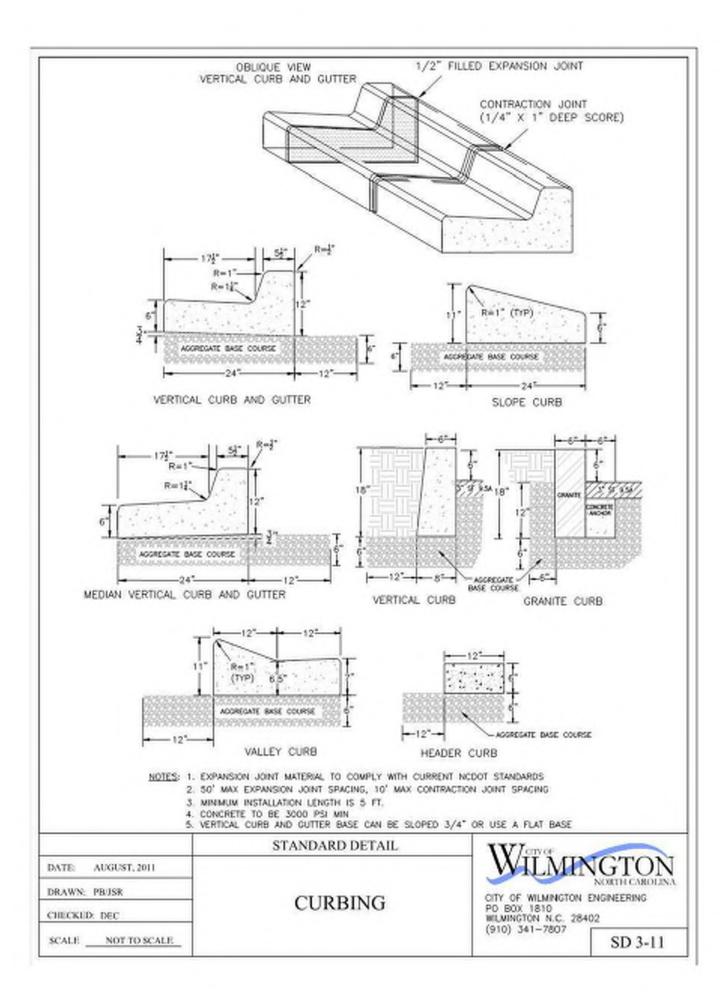


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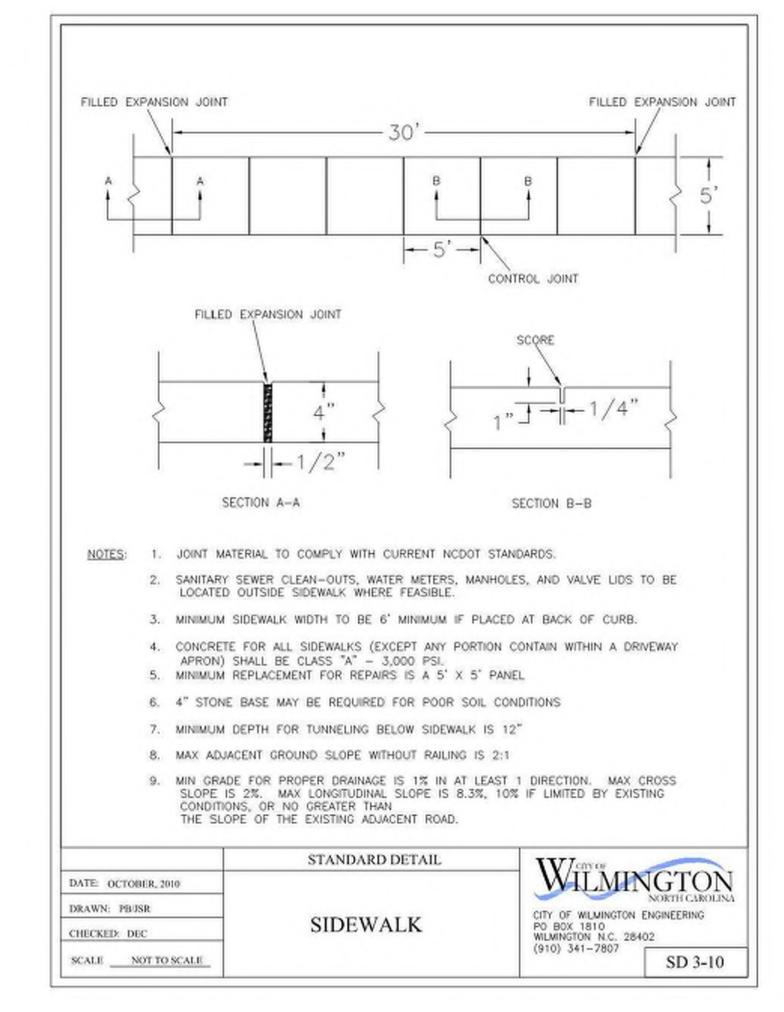
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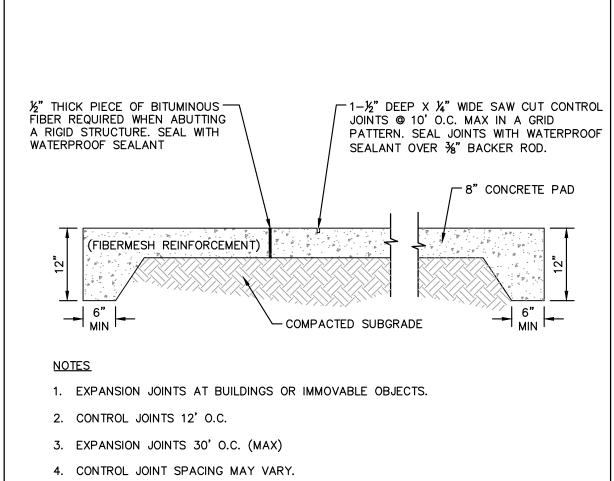
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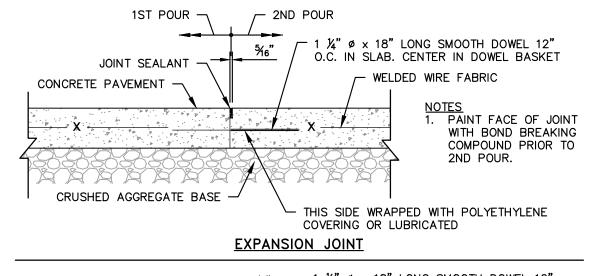
KHA DETAIL NO: 02.305.R02 (03)





5. BROOM FINISH

CONCRETE APRON AND DUMPSTER PAD KHA DETAIL NO: 02.107.R01 (01)

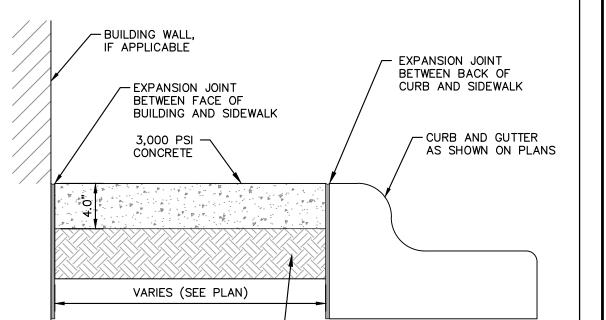


 Γ 1 1/4" ϕ x 18" LONG SMOOTH DOWEL 12" SAWN/TOOLED JOINT FILLED -OC IN SLAB. CENTER IN DOWEL BASKET WITH JOINT SEALANT WELDED WIRE FABRIC CONCRETE PAVEMENT . JOINT SHALL BE CUT TO A DEPTH EQUAL TO 1/4 OF SLAB DEPTH. (T) 2. CONTROL JOINTS TO BE <u>6' x 6' TYPICAL SPACING.</u> CRUSHED AGGREGATE BASE

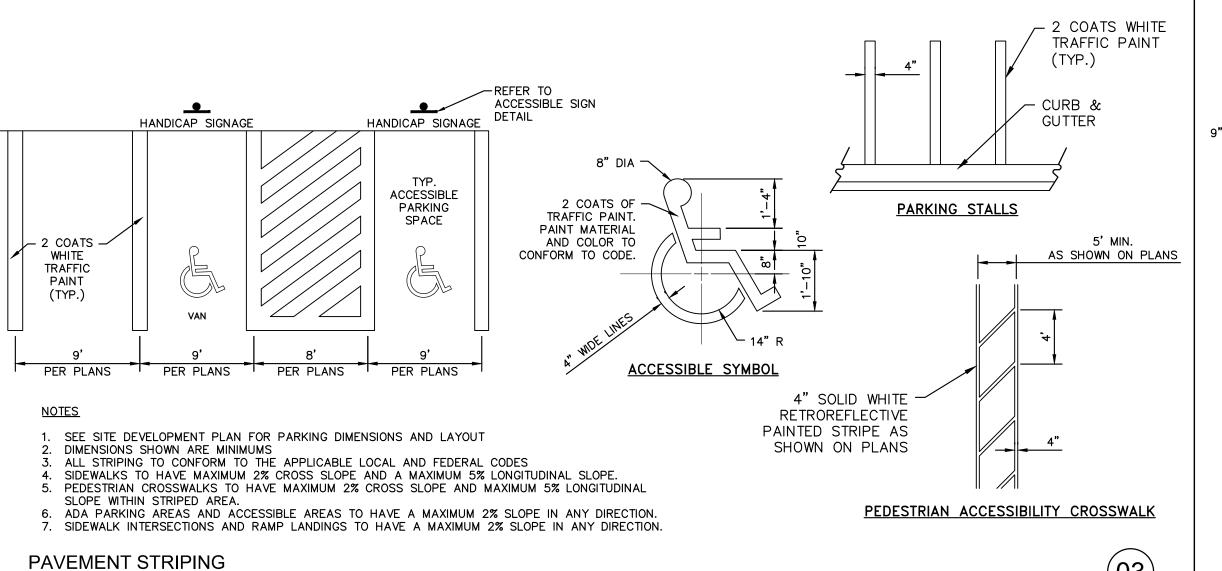
NOTES

1. JOINT SHALL BE SAWN/TOOLED IMMEDIATELY AFTER INITIAL SET, BEFORE CONCRETE BEGINS TO COOL, AS SOON AS CONCRETE SURFACE IS FIRM ENOUGH NOT TO BE DAMAGED BY THE BLADE/TOOL, AND BEFORE RANDOM DRYING SHRINKAGE CAN FORM. **CONTROL JOINT**

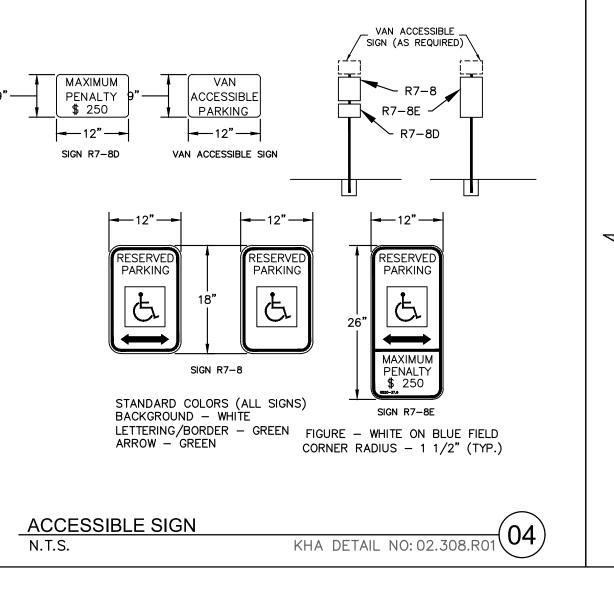
HEAVY DUTY CONTROL AND EXPANSION JOINTS KHA DETAIL NO: 02.108.R02

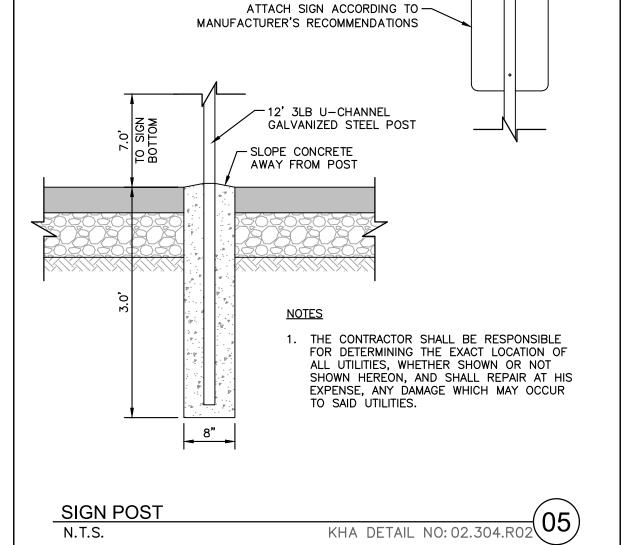


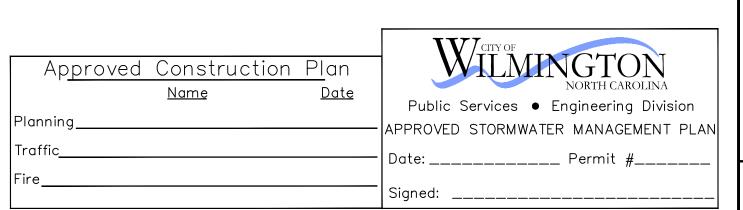
SIDEWALK ADJACENT TO PARKING AREAS KHA DETAIL NO: 02.105.R02 N.T.S.



N.T.S.







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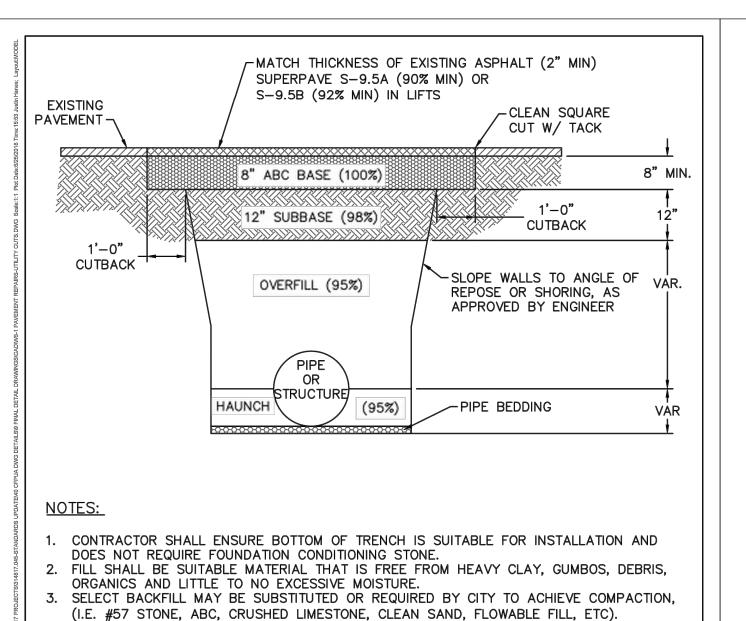
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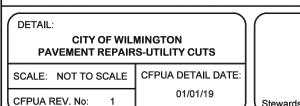
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- 4. SOIL SHALL BE INSTALLED IN 6"-8" LIFTS AND COMPACTED BY A MECHANIZED TAMPER (I.E. JUMPING JACK). HOWEVER, VIBRATORY ROLLERS > 18" WIDTH MAY BE USED FOR LARGER EXCAVATIONS. THE PLATE TAMP METHOD SHALL NOT BE USED.
- 5. ALL APPROVED CASTINGS SHALL BE SET FLUSH TO GRADE AND SUPPORTED IF APPLICABLE.
- 6. COMPACT MATERIALS TO MINIMUM % DENSITY SHOWN IN DIAGRAM AS DETERMINED BY THE STANDARD PROCTOR METHOD ASTM D-698-A FOR SOILS, AND ASTM D-698-C FOR ABC STONE, AND BY NUCLEAR GAGE OR CORE SAMPLE FOR ASPHALT.
- 7. CUTBACKS OF ASPHALT SHALL BE PREPARED ON EDGE OF EXCAVATION OVER TOP OF UNDISTURBED SOIL.

(FOR PRIVATE ROADS AND PAVED AREAS; CONTRACTOR TO MEET MINIMUM REQUIREMENTS AS DEFINED BY RIGHT-OF-WAY OWNER FOR PUBLIC ROAD REPAIRS)



SCALE: NOT TO SCALE | CFPUA DETAIL DATE

CFPUA REV. No: 1

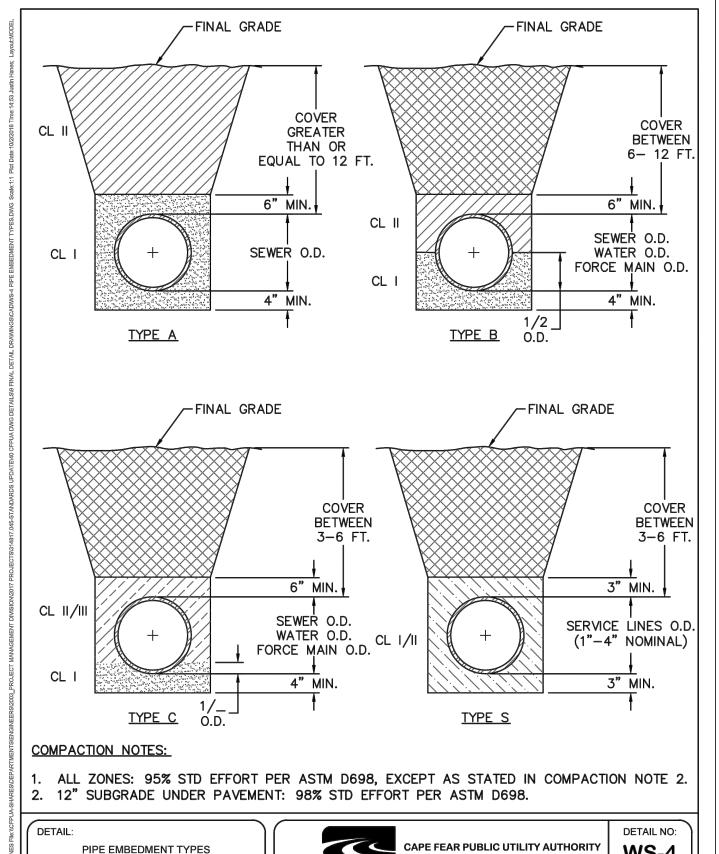


235 GOVERNMENT CENTER DRIVE WILMINGTON, NC 28403 OFFICE: (910)332-6560

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tewardship, Sustainability, Service

SCALE: NOT TO SCALE | CFPUA DETAIL DATE

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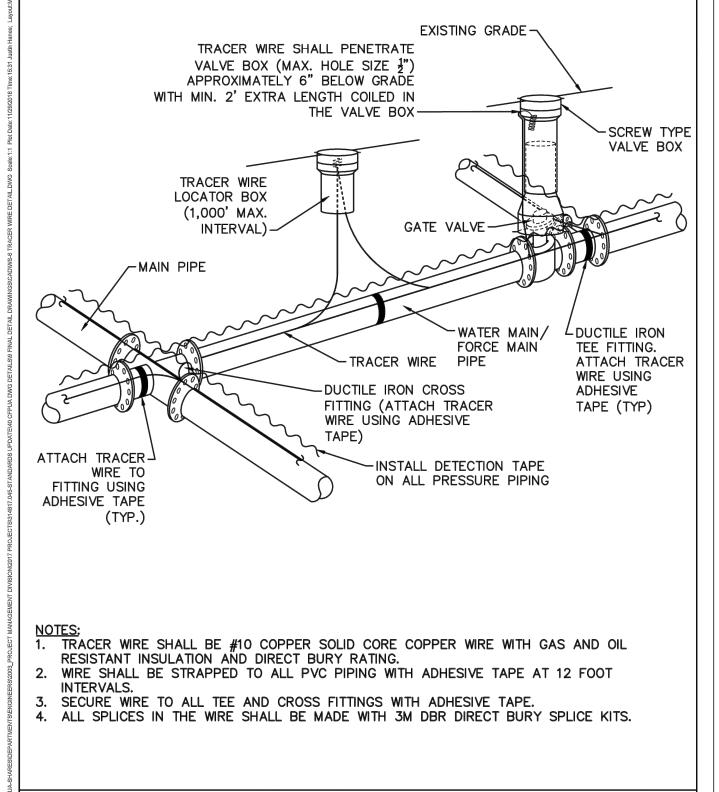
235 GOVERNMENT CENTER DRIVE

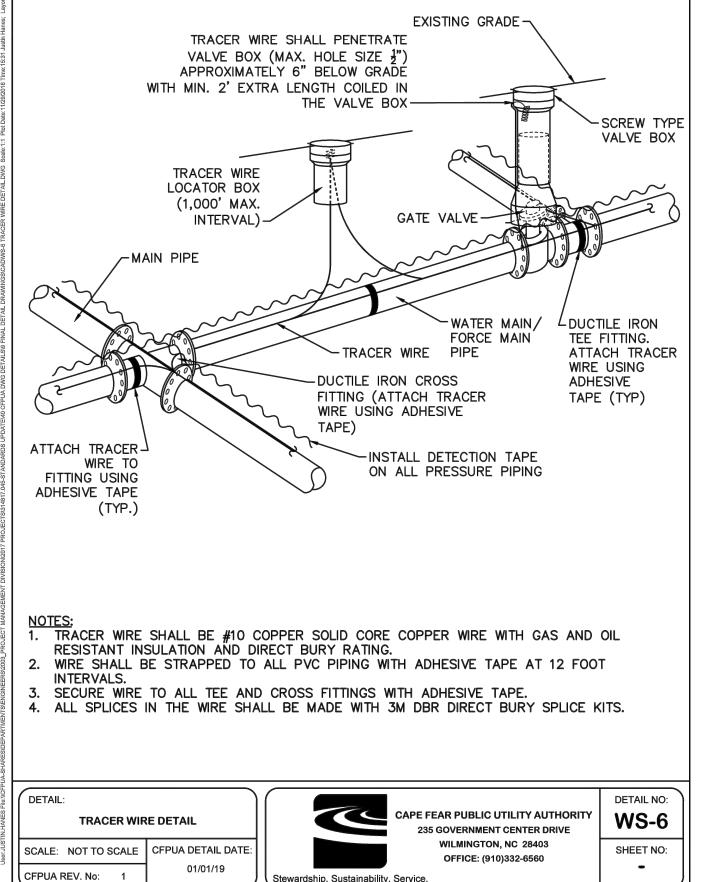
WILMINGTON, NC 28403

OFFICE: (910)332-6560

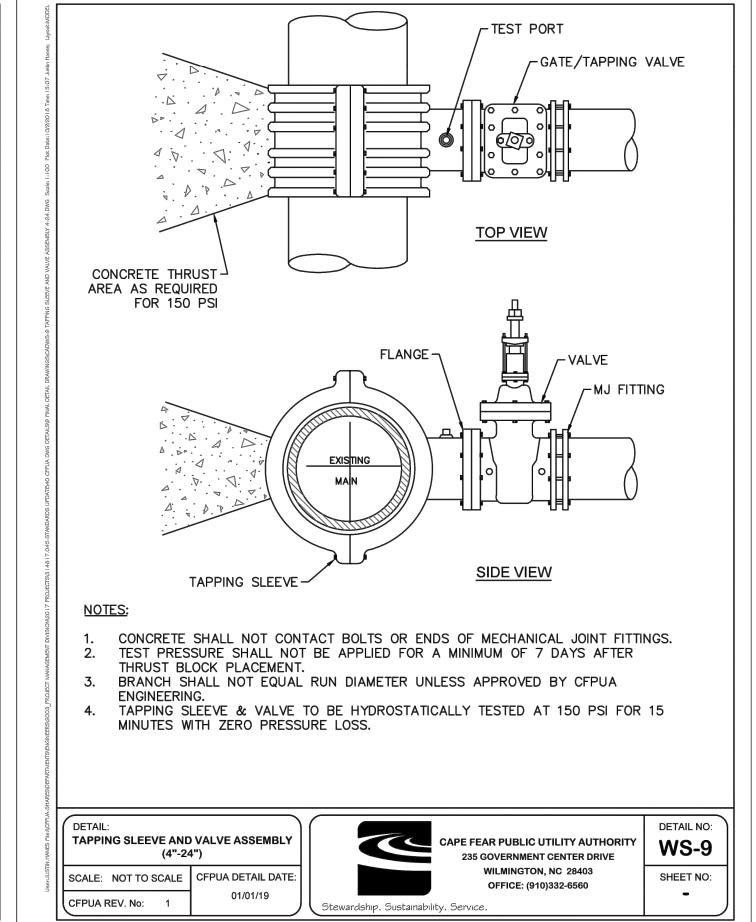
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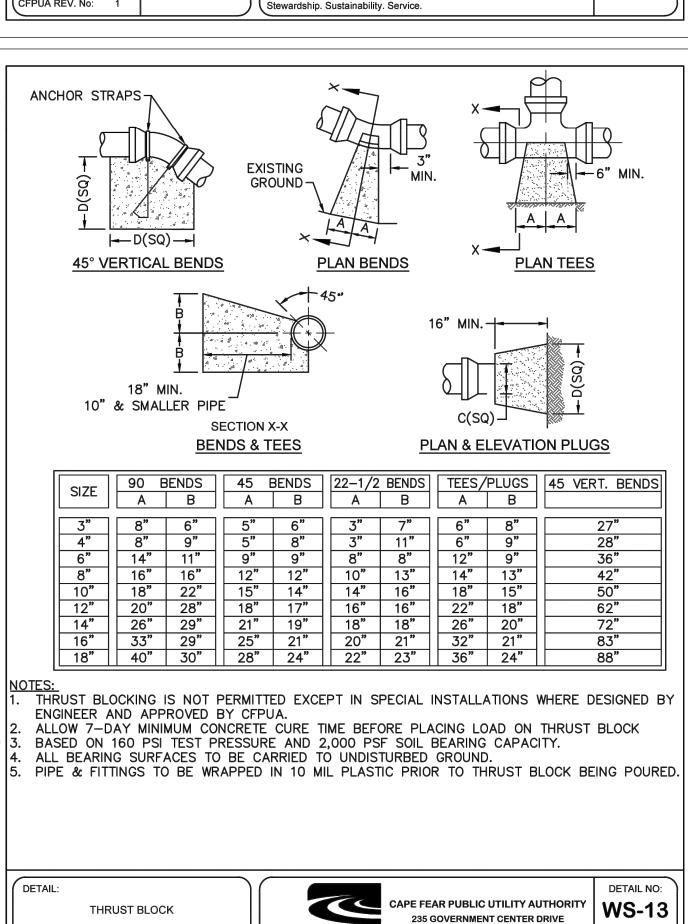
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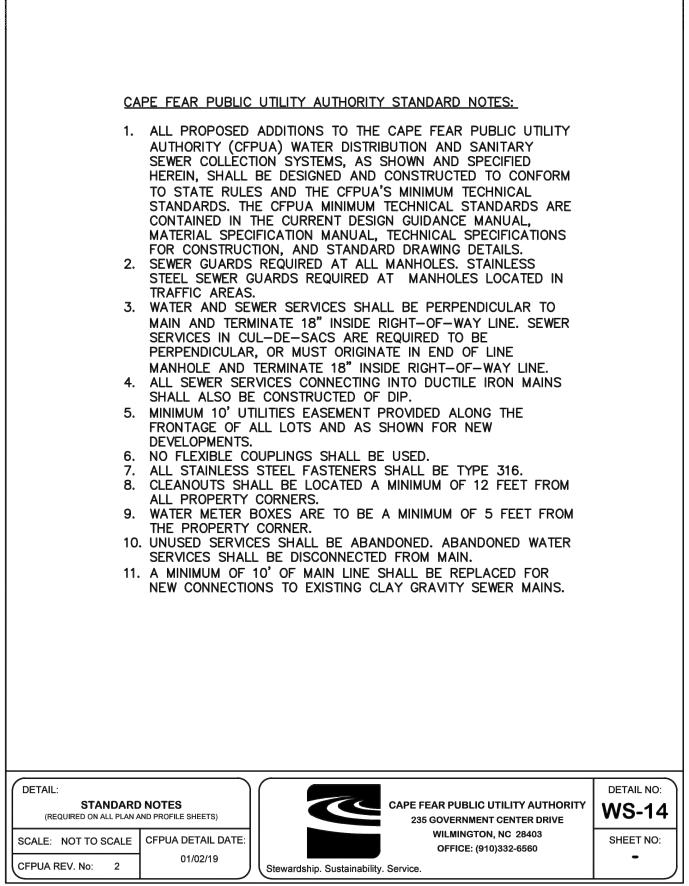


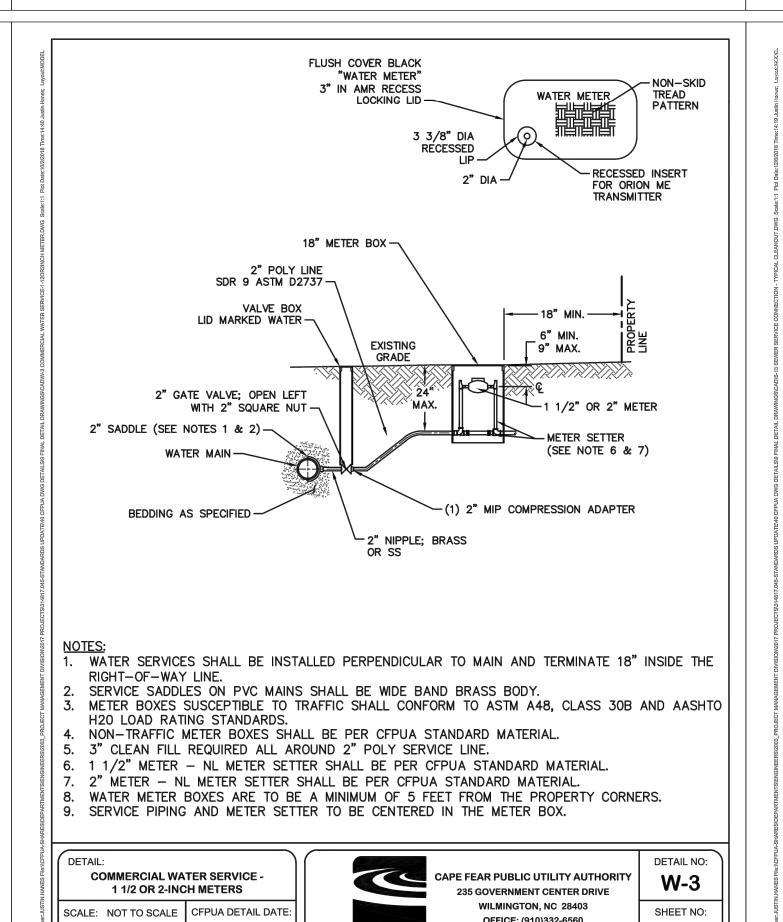
Stewardship, Sustainability, Service

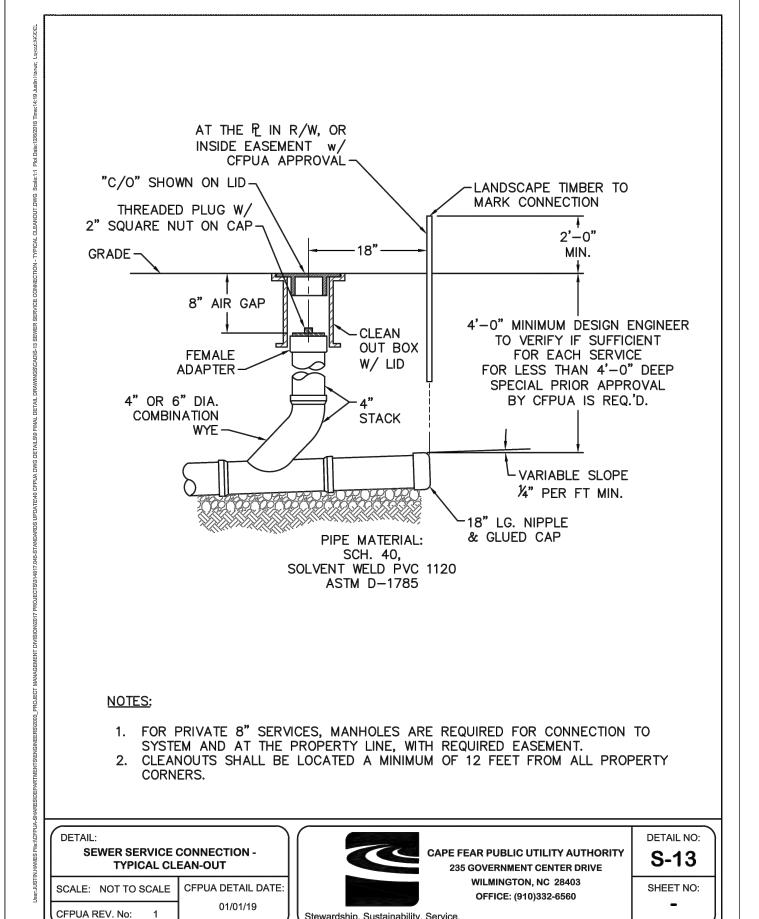




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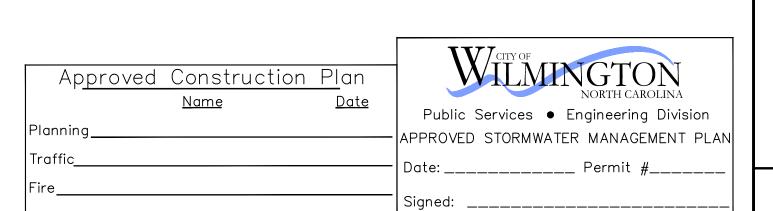


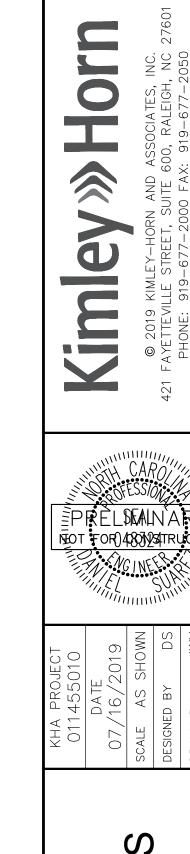




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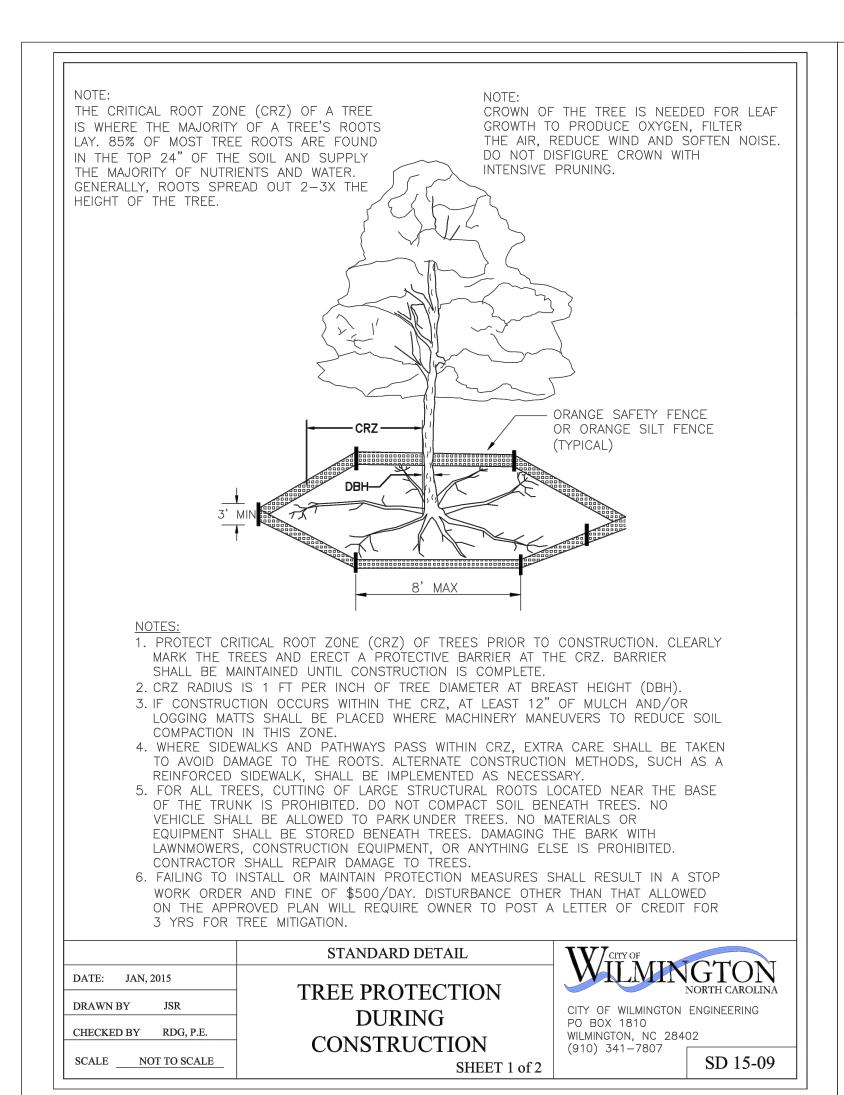


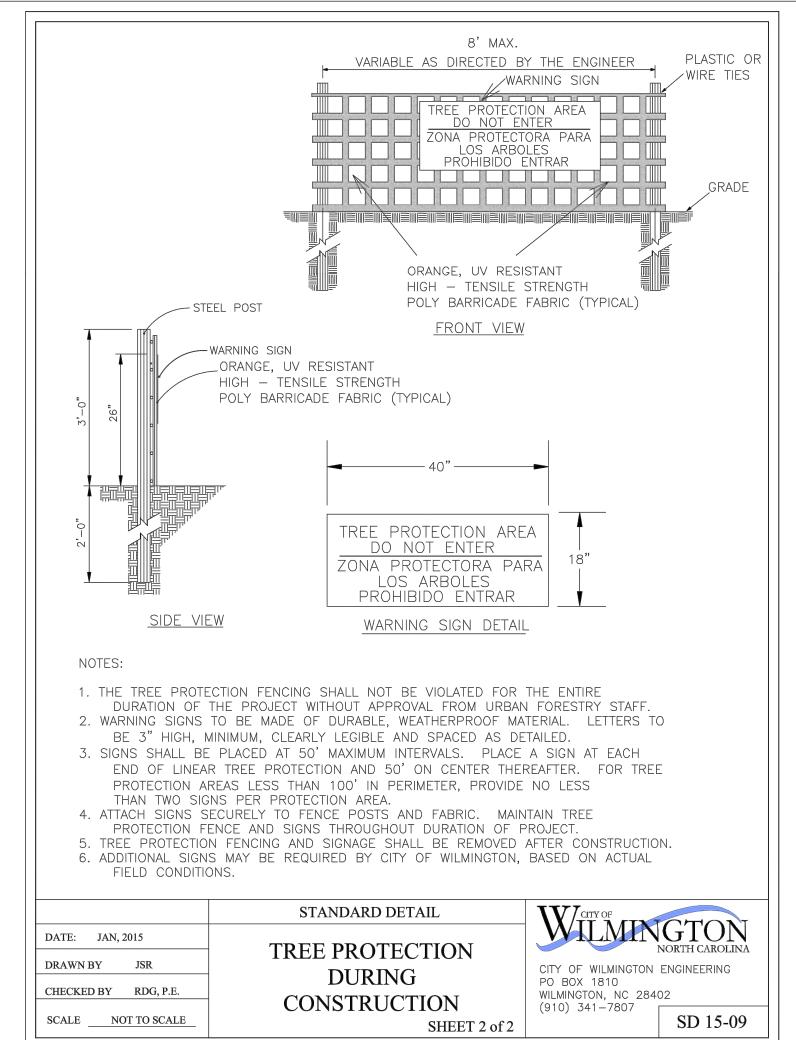


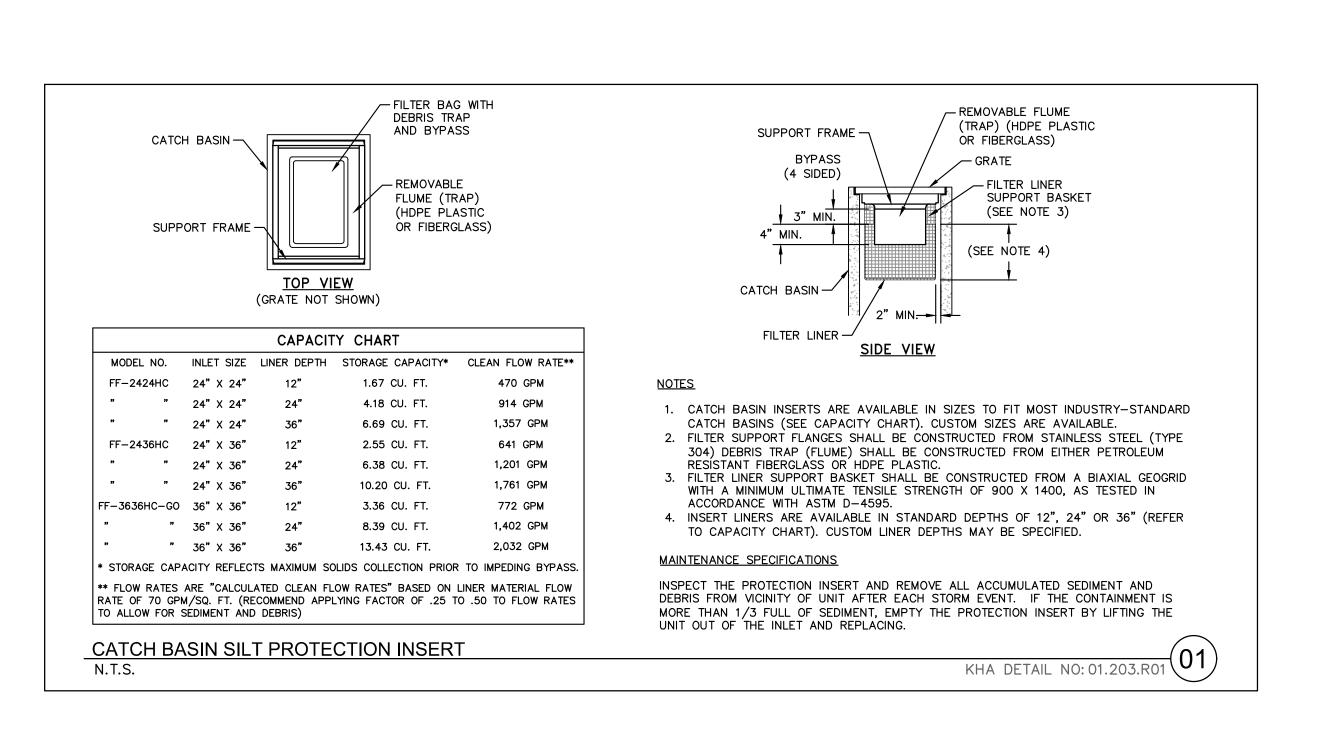


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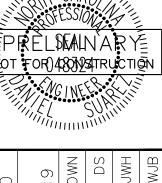






	WILMINGTON
Ap <u>proved Construction Pl</u> an	
<u>Name</u> <u>Date</u>	NORTH CAROLINA
Planning	Public Services • Engineering Division APPROVED STORMWATER MANAGEMENT PLAN
Traffic	
	Date: Permit #
Fire	Signed:

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421 FAYETTEVILLE STREET, SUITE 600, RALEIGH, NC 27601
PHONE: 919-677-2000 FAX: 919-677-2050
WWW.KIMLEY-HORN.COM



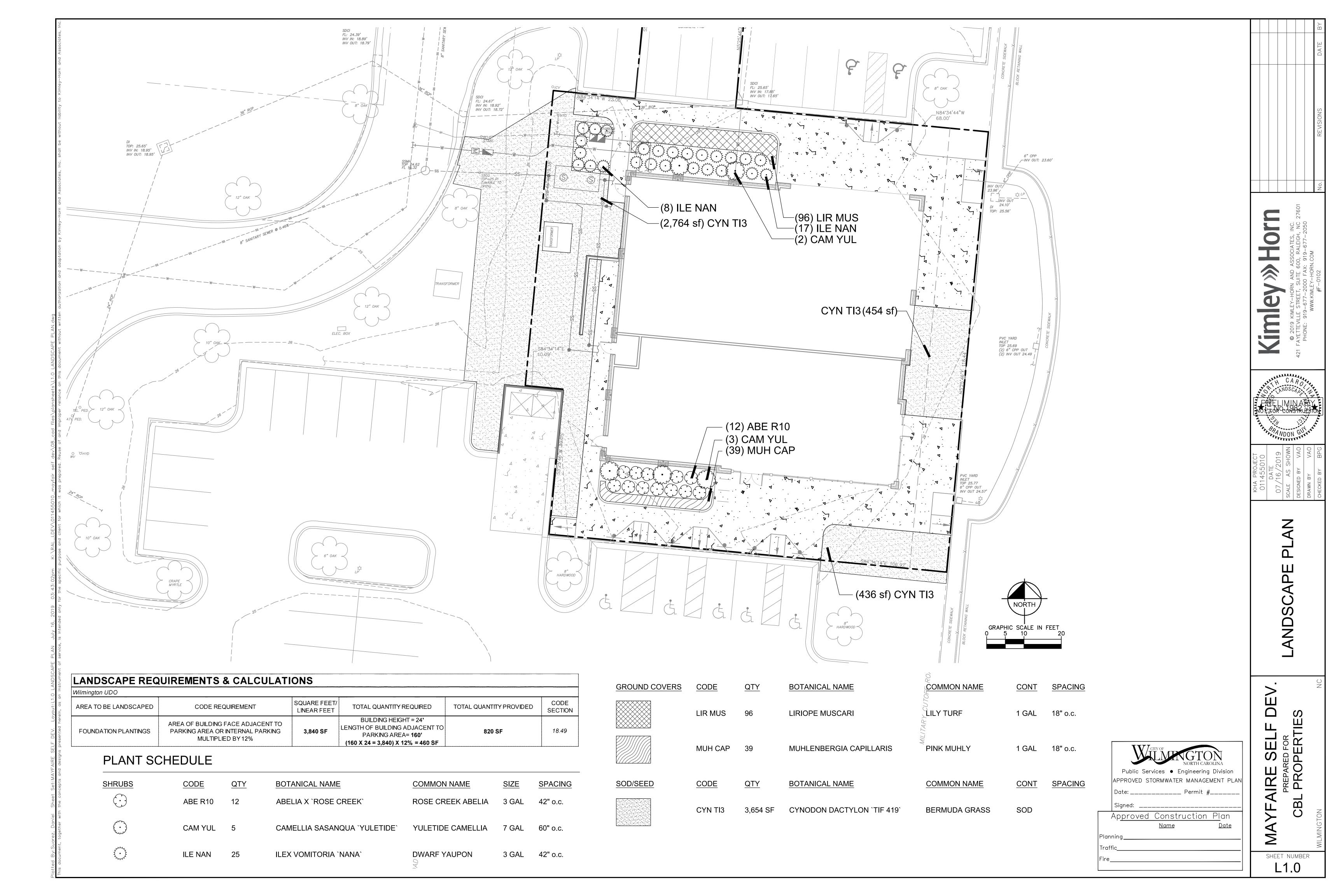
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DESIGNED BY DS
DRAWN BY JWH

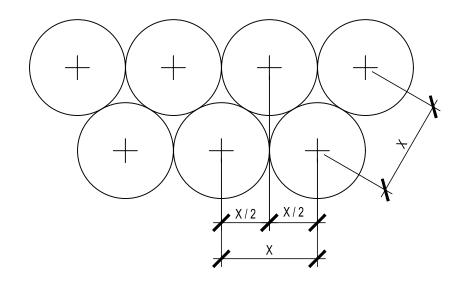
OSION CONTROL

IAYFAIRE SELF DEV

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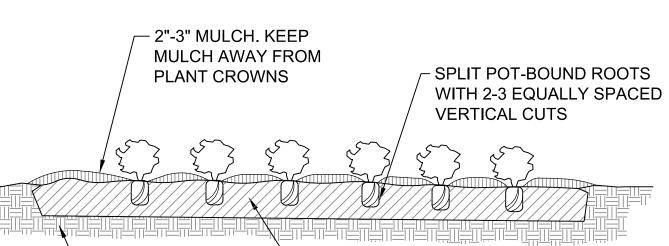




PLANT SPACING NOTES:

- SEE PLANTING PLAN FOR SHRUB AND GROUNDCOVER AREAS.
- PLANT MATERIAL SHALL BE INSTALLED IN STRAIGHT AND PARALLEL ROWS UNLESS OTHERWISE SHOWN ON DRAWINGS.
- SEE PLANTING PLAN AND / OR PLANT SCHEDULE FOR ACTUAL PLANT SPACING.



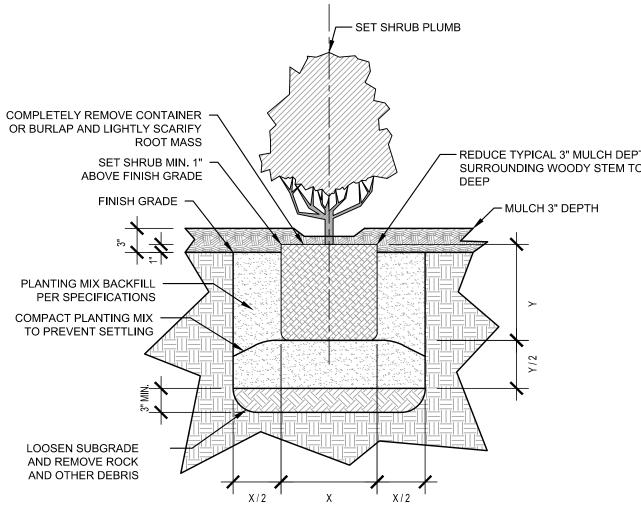


— PLANTING MIX, TAMPED FIRMLY TO

PREVENT SETTLING

TYPICAL GROUNDCOVER PLANTING L2.0 SCALE: NTS

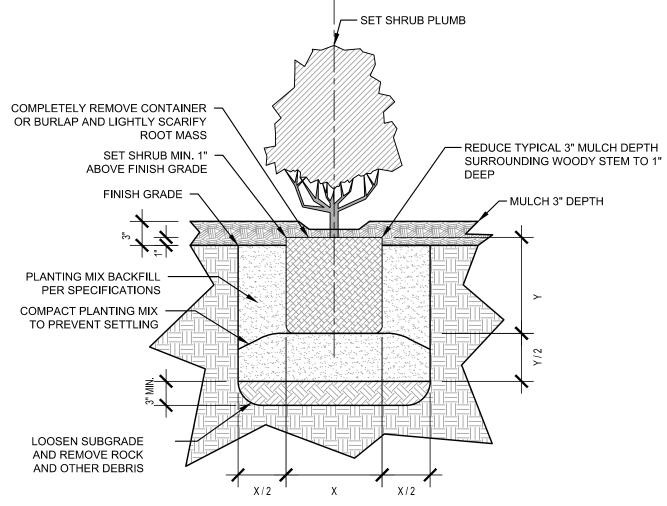
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SHRUB PLANTING NOTES:

- 1. ALL PLANT MATERIAL PRICING SHALL INCLUDE MULCH, BED PREPARATION, AND STAKING.
- 2. ALL PLANTING BEDS SHALL RECEIVE 3" (THREE INCHES) OF MULCH. MULCH TYPE FOR PROJECT: SHREDDED BARK MULCH





GENERAL LANDSCAPE NOTES:

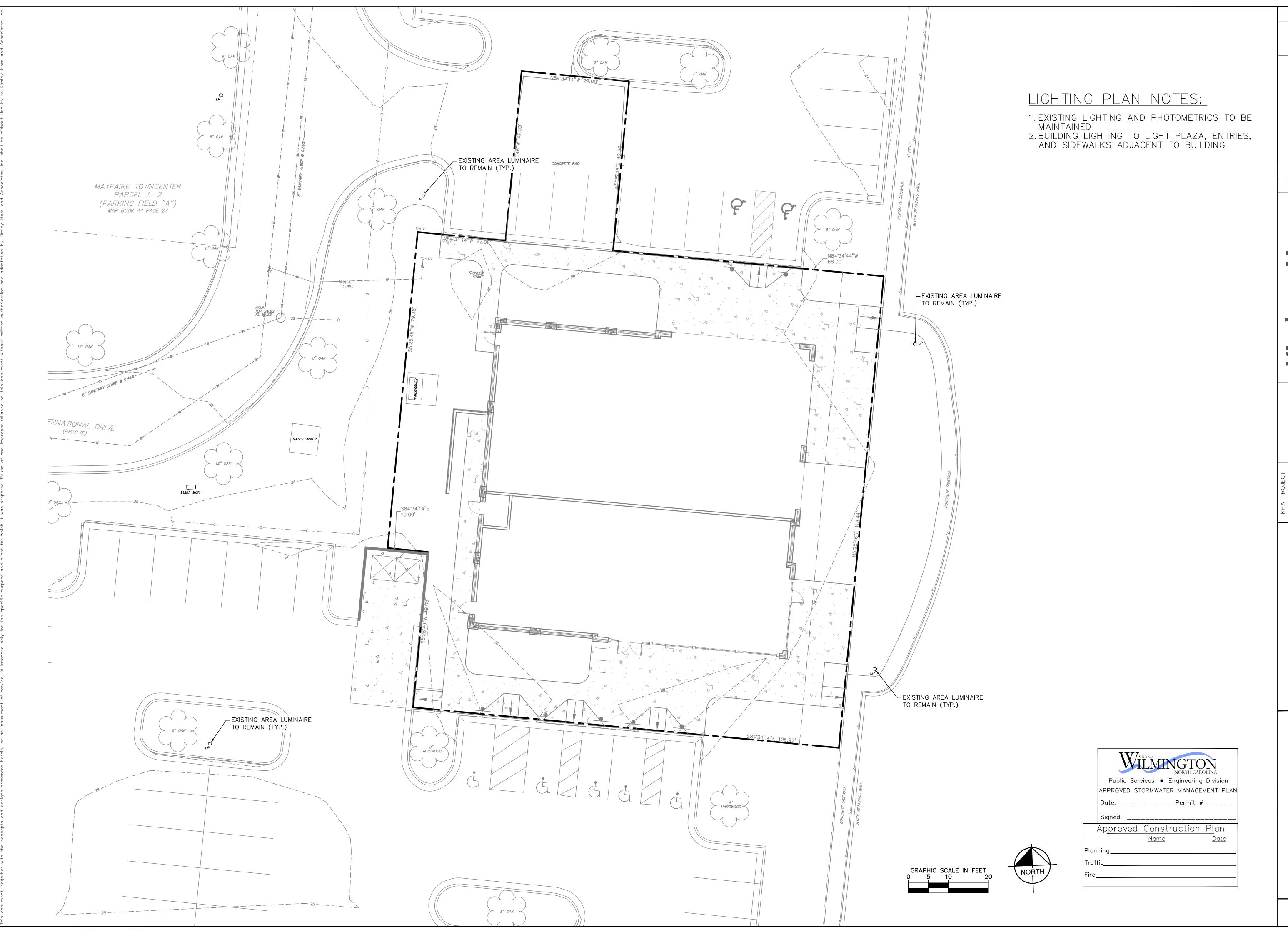
- 1. ALL PLANTS MUST BE HEALTHY, VIGOROUS MATERIAL, FREE OF PESTS AND DISEASE.
- 2. ALL PLANTS MUST BE CONTAINER GROWN OR BALLED AND BURLAPPED AS INDICATED IN THE PLANT SCHEDULE.
- 3. ALL PLANTS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT BEFORE, DURING, AND AFTER INSTALLATION.
- ALL EXISTING SHADE TREES ADJACENT TO PEDESTRIAN WALKWAYS SHALL BE BRANCHED 6'-7' PER ANSI Z60.1 STANDARDS FOR HEIGHT OF BRANCHING - STREET TREES. ALL SHADE TREES LOCATED WITHIN VEHICLE SIGHT TRIANGLES SHALL BE BRANCHED MIN. 8' (MEASURED FROM ADJACENT PROJECTED CURB LINE ELEVATION) PER ANSI Z60.1 STANDARDS FOR HEIGHT OF BRANCHING - STREET TREES.
- 5. ALL PLANTING BEDS AND TREE RINGS MUST BE COMPLETELY MULCHED AS SPECIFIED.
- 6. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING THE COURSE OF THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY AND ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCURS AS A RESULT OF THE LANDSCAPE CONSTRUCTION.
- 7. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON THE LANDSCAPE PLANS. ANY FIELD ADJUSTMENTS OR QUANTITY ADJUSTMENTS MUST BE AUTHORIZED PRIOR TO PLANTING.
- 8. THE CONTRACTOR IS RESPONSIBLE FOR FULLY MAINTAINING ALL PLANTING (INCLUDING BUT NOT LIMITED TO: WATERING, MOWING, EDGING, SPRAYING, MULCHING, FERTILIZING, ETC.) OF THE PLANTING AREAS AND LAWN UNTIL SUBSTANTIAL COMPLETION.
- 9. THE CONTRACTOR SHALL COMPLETELY GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE (1) YEAR BEGINNING ON THE DATE OF SUBSTANTIAL COMPLETION. THE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS BEFORE OR AT THE END OF THE GUARANTEE PERIOD.
- 10. THE LANDSCAPE ARCHITECT SHALL APPROVE THE STAKING LOCATION OF ALL PLANTING BEDS AND SOD LINES PRIOR TO INSTALLATION.
- 11. ANY PLANT MATERIAL WHICH DIES, TURNS BROWN, OR DEFOLIATES (PRIOR TO SUBSTANTIAL COMPLETION OF THE WORK) SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, AND SIZE AND MEETING ALL PLANT LIST SPECIFICATIONS.
- 12. STANDARDS SET FORTH IN "AMERICAN STANDARD FOR NURSERY STOCK" REPRESENT GUIDELINE SPECIFICATIONS ONLY AND SHALL CONSTITUTE MINIMUM QUALITY REQUIREMENTS FOR PLANT MATERIAL.
- 13. ALL SHRUB, GROUND COVER AND SEASONAL COLOR ANNUAL PLANTING BEDS ARE TO BE COMPLETELY COVERED WITH DOUBLE SHREDDED HARDWOOD MULCH TO A MINIMUM DEPTH OF THREE (3) INCHES.
- 14. LOCATIONS OF EXISTING BURIED UTILITY LINES SHOWN ON THE PLANS ARE BASED UPON BEST AVAILABLE INFORMATION AND ARE TO BE CONSIDERED APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATIONS OF UTILITY LINES AND ADJACENT TO THE WORK AREA. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITY LINES DURING THE CONSTRUCTION
- 15. SAFE, CLEARLY MARKED PEDESTRIAN AND VEHICULAR ACCESS TO ALL ADJACENT PROPERTIES MUST BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROCESS.
- 16. ALL PLANT MATERIAL QUANTITIES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE COVERAGE OF ALL PLANTING BEDS AT SPACING SHOWN.
- 17. THE ROOT FLAIR SHALL BEAR THE SAME RELATIONSHIP TO FINISHED GRADE, AS BORN TO PREVIOUS GRADE AND GROWING CONDITIONS.
- 18. ALL ROOT BALLS REMOVED FROM CONTAINERS SHALL BE SCARIFIED PRIOR TO BACKFILLING.
- 19. FOR NEW PLANTING AREAS, REMOVE ALL PAVEMENT, GRAVEL SUB-BASE AND CONSTRUCTION DEBRIS; REMOVE COMPACTED SOIL AND ADD 24" NEW TOPSOIL OR UNCOMPACT AND AMEND THE TOP 24" OF EXISTING SOIL TO MEET TOPSOIL PLANTING MIX STANDARDS FOR TREES. SEE DETAILS THIS SHEET.
- 20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING TREES AND SHRUBS THAT WILL MEET BOTH MINIMUM SIZE AND SPACING FOR TREE AND ZONING ORDINANCE COMPLIANCE. FAILURE TO INSTALL PLANT MATERIAL PER THIS PLAN WILL JEOPARDIZE ISSUANCE OF FINAL CERTIFICATE OF OCCUPANCY. CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING INSPECTIONS OF PLANT MATERIAL.
- 21. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES & ORDINANCES REGARDING LANDSCAPING. GENERAL CONTRACTOR IS TO CLEAN THE ENTIRE SITE OF ALL CONSTRUCTION DEBRIS AND TO RAKE ENTIRE
- 22. THE CONTRACTOR SHALL INSTALL PERMEABLE BLACK GEOTEXTILE FABRIC UNDER PLANTING BED MULCH TO PREVENT WEED GROWTH.
- 23. CONTRACTOR SHALL MAINTAIN LANDSCAPING FOR AT LEAST 30 DAYS AFTER SODDING AND PLANTING SHRUBS. AND 60 DAYS AFTER SEEDING. OR AS LONG AS IS NECESSARY TO ESTABLISH UNIFORM STAND OF THE SPECIFIED GRASSES, OR UNTIL SUBSTANTIAL COMPLETION OF THE PROJECT, OR UNTIL ACCEPTANCE OF THE LAWNS AND SHRUBS, WHICHEVER IS LATER.
- 24. ALL SHRUBS INSTALLED AS VEHICULAR USE SCREENING WILL BE MAINTAINED AS A CONTINUOUS HEDGE AT A MINIMUM HEIGHT OF 36 INCHES.
- 25. ALL MECHANICAL EQUIPMENT, WASTE DISPOSAL FACILITIES, AND VEHICULAR USE AREAS (DRIVES AND PARKING) SHALL BE SCREENED FROM PUBLIC VIEW.
- 26. WHERE EXISTING OR PROPOSED VEGETATION FAILS TO FUNCTION ADEQUATELY AS REQUIRED, THE NEW HANOVER COUNTY SITE INSPECTOR RESERVES THE RIGHT TO REQUIRE SUPPLEMENTAL PLANTINGS IN ADDITION TO THOSE SHOWN ON THE LANDSCAPE PLAN BASED ON ACTUAL FIELD CONDITIONS.
- 27. THE SIZE OF THE PLANTING AREA AND OF PLANT MATERIAL AT MATURITY SHALL ALLOW FOR A TWO AND ONE-HALF FEET WIDE BUMPER OVERHANG MEASURED FROM THE BACK OF CURB.
- 28. ALL ABOVE-GROUND EQUIPMENT ASSOCIATED WITH ON-SITE ELECTRIC, CABLE, TELEPHONE, GAS, OR SIMILAR UTILITY SHALL BE SCREENED, TO THE EXTENT PRACTICAL, WITH EVERGREEN PLANTS. PLANTINGS SHALL ALLOW A MINIMUM OF FIVE FEET OF CLEARANCE AROUND THE STRUCTURE WITH TEN FEET OF CLEARANCE ON ANY SIDE CONTAINING A DOOR ALLOW ACCESS FOR MAINTENANCE. THE CLEARANCES SHALL ACCOUNT FOR THE MATURE SIZE OF THE PLANT MATERIAL.





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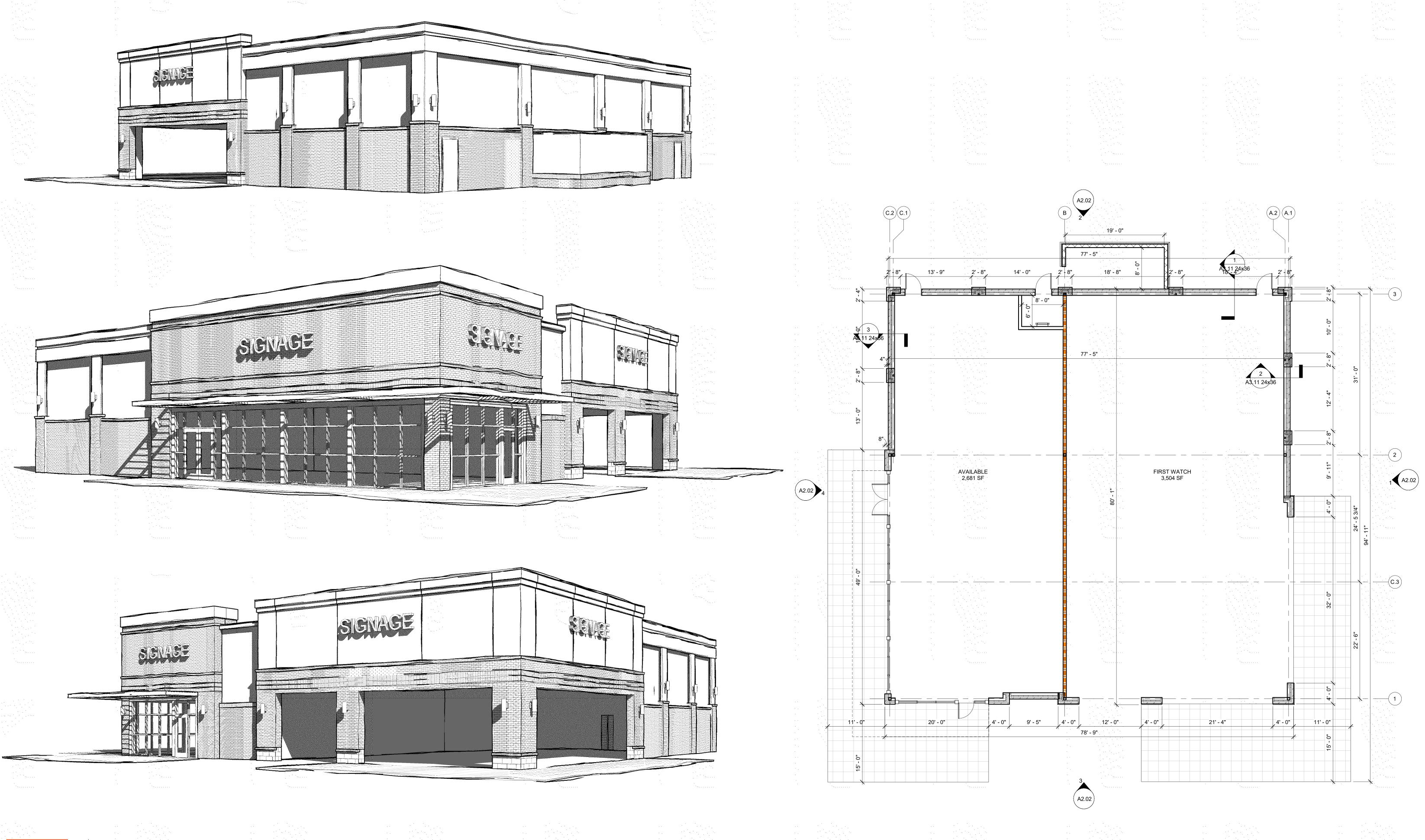
Kimley—HORN AND ASSOCIATES, INC.

SCALE AS SHOWN
SESIGNED BY DS
SRAWN BY JWH
SHECKED BY WJB

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PREPARED FOR
SBL PROPERTIES

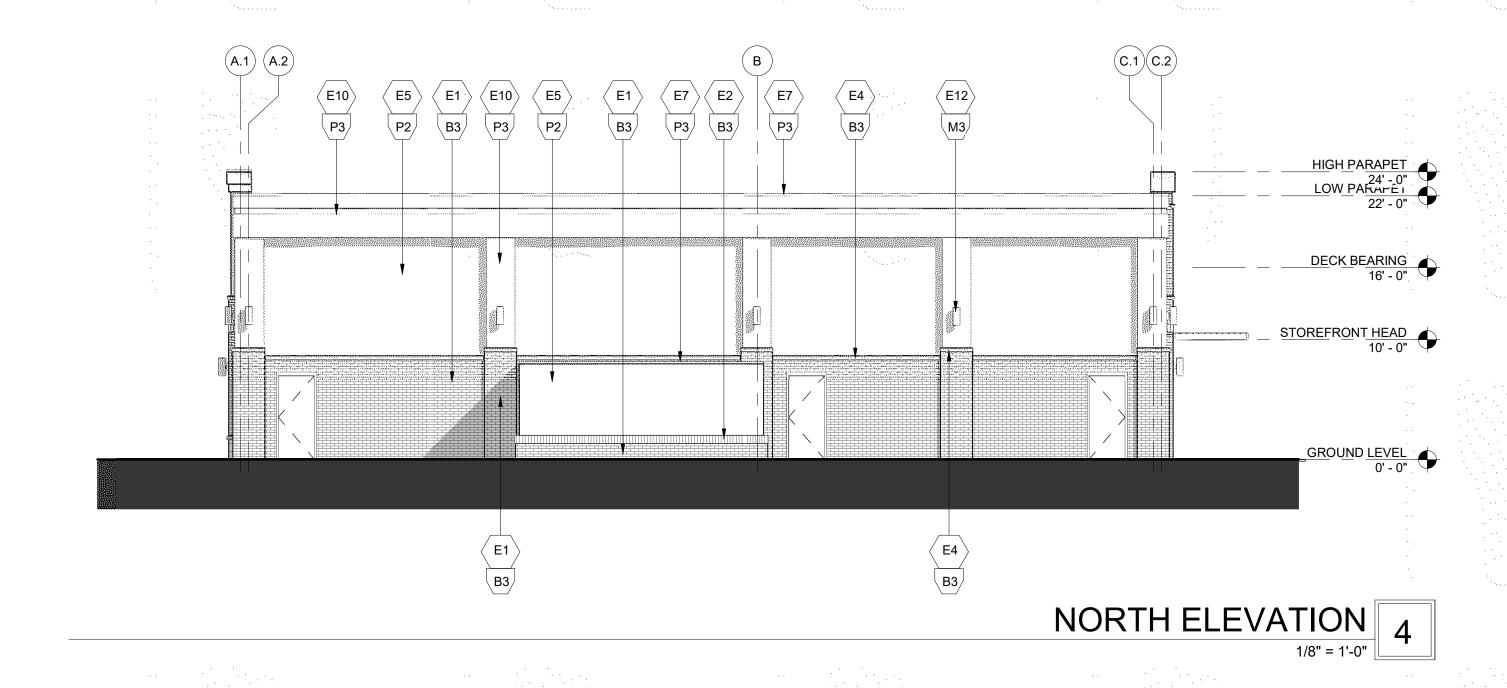
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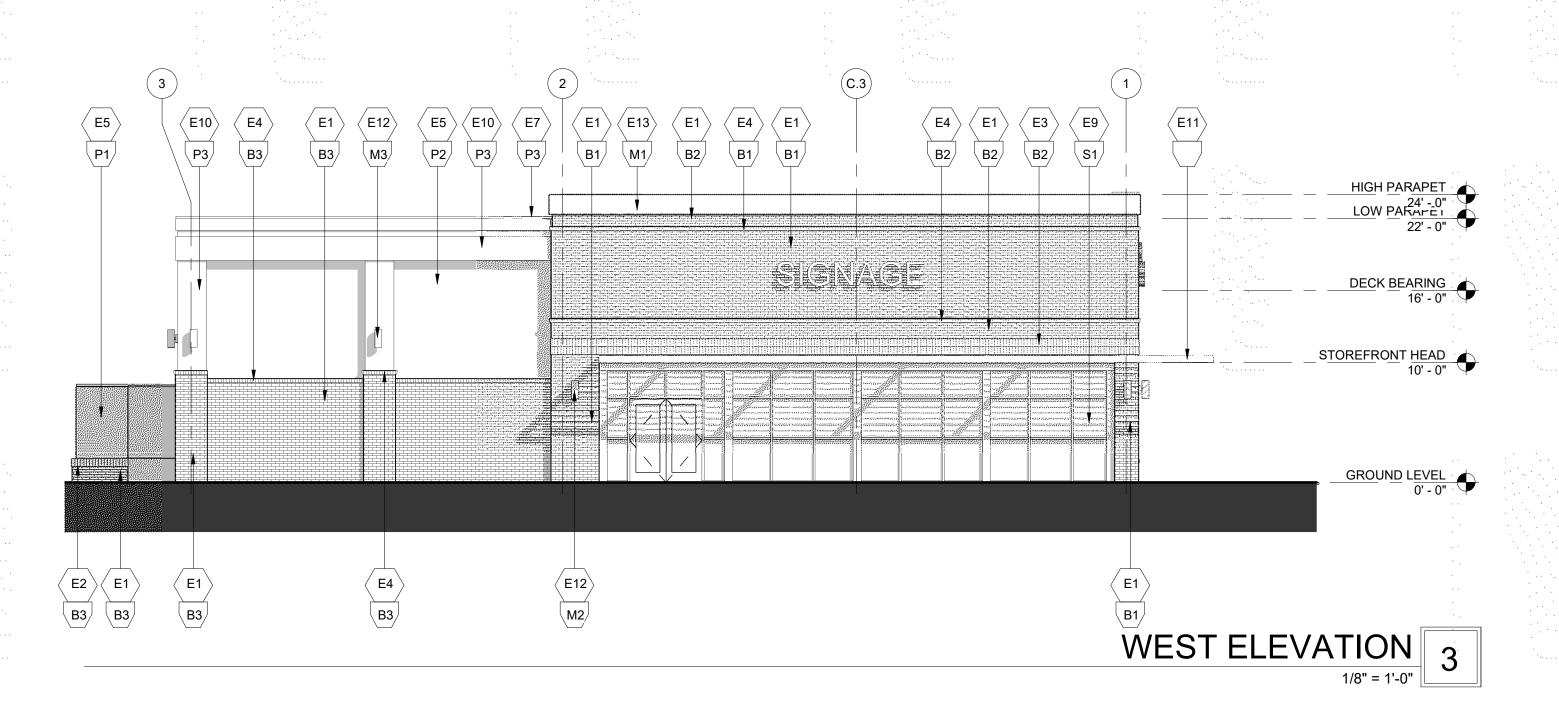


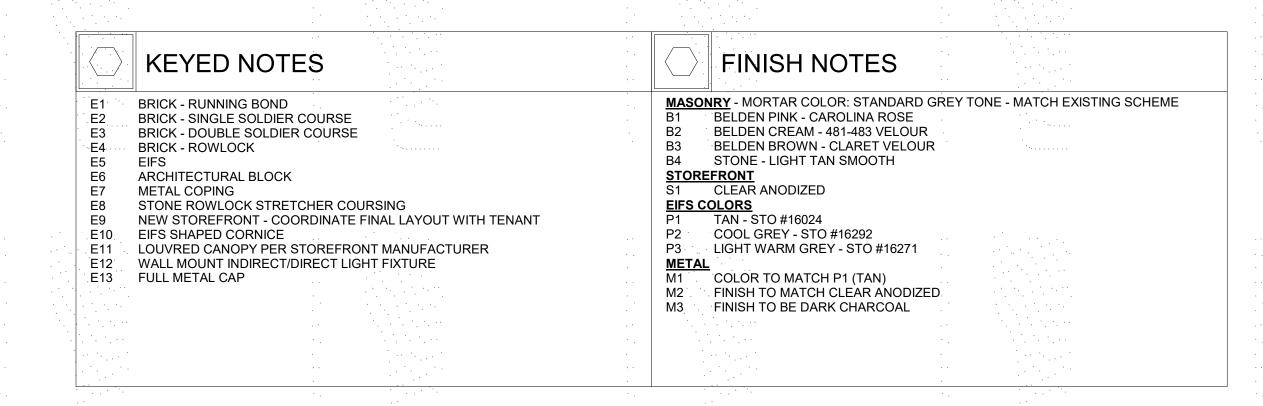


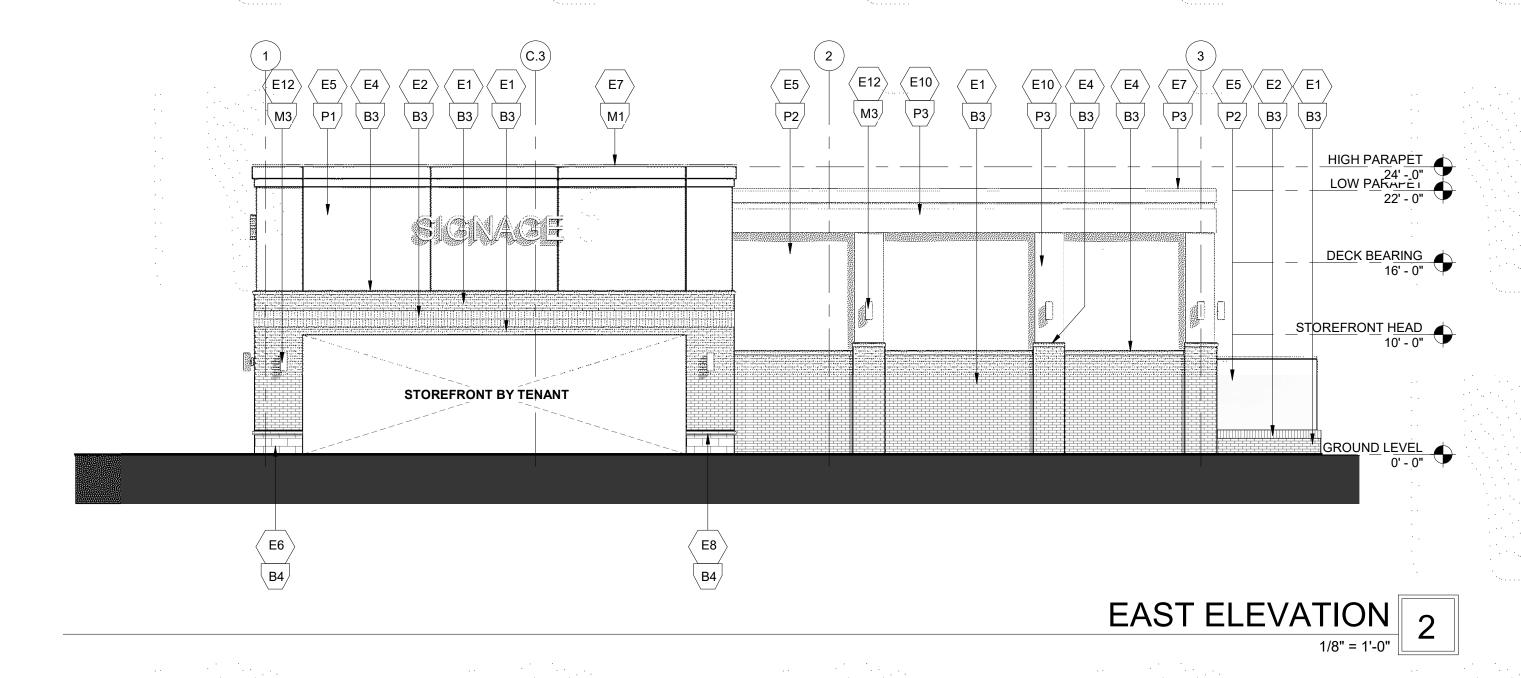
MAYFAIRE RETAIL WILMINGTON, NC

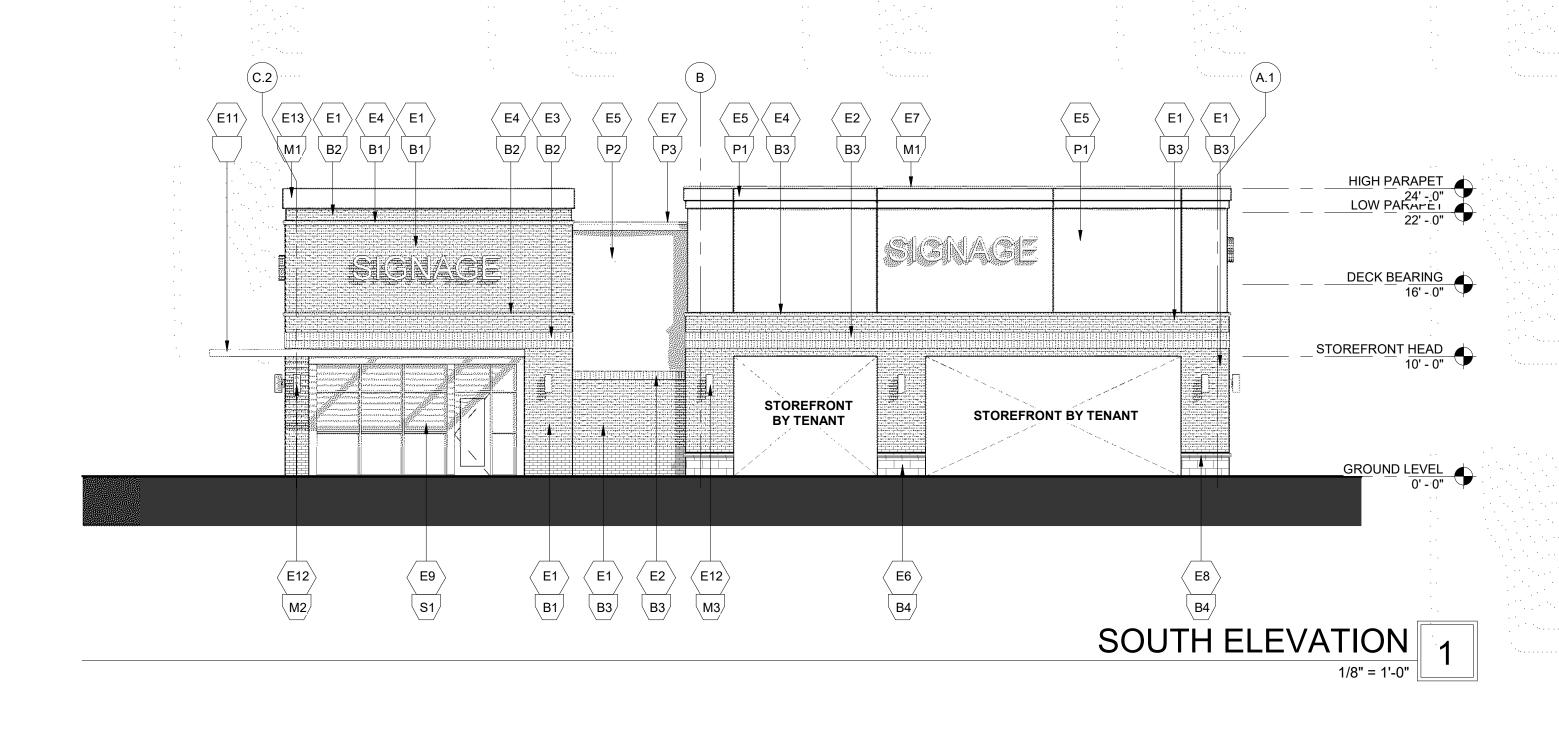
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MAYFAIRE RETAIL

WILMINGTON, NC

CONCEPT 1

SD2