

PROJECT LOCATION

# SURVEY NOTE:

EXISTING INFORMATION TAKEN FROM SURVEY BY J. HENRY WALKER III, 1115-D LITTLE ST. P.O. BOX 1295 CAMDEN, SC 29021. PHONE: 803-425-0702 AND DATED NOVEMBER 4, 2014 AND TAKEN FROM PEPBOYS AUTO PLANS BY GENESIS NORTH CAROLINA, LLP, 1330 LADY ST., SUITE 405, COLUMBIA, SC 29201. PHONE: 803-744-4500 AND DATED JUNE 4, 2013.

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF CHAPEL HILL AND/OR NCDOT STANDARDS AND SPECIFICATIONS.

# PROJECT OWNER AND CONSULTANT

SITE DEVELOPER:

VALVOLINE 8000 TOWER POINT DRIVE CHARLOTTE, NC 28277 PHONE: (704)655-1018 ATTN.: MICHAEL SLATTERY mslattery@ncvioc.com

CIVIL ENGINEER:

KIMLEY-HORN AND ASSOCIATES, INC. 421 FAYETTEVILLE ST., SUITE 600 RALEIGH, NORTH CAROLINA 27601 PHONE: (919) 653-2927 ATTN.: CHRIS BOSTIC, P.E. chris.bostic@kimley-horn.com

LANDSCAPE ARCHITECT:

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SURVEYOR:

J. HENRY WALKER III, P.L.S. P.O. BOX 1295 CAMDEN, NC 29021 PHONE: (803) 425-0702

ZONING COMPLIANCE PERMIT SUBMITTAL FOR

# VALVOLINE INSTANT OIL CHANGE

1510 E. FRANKLIN STREET, UNIT 500 CHAPEL HILL, NORTH CAROLINA 27601 A DEVELOPMENT BY: VALVOLINE 8000 TOWER POINT DRIVE CHARLOTTE, NORTH CAROLINA 28277

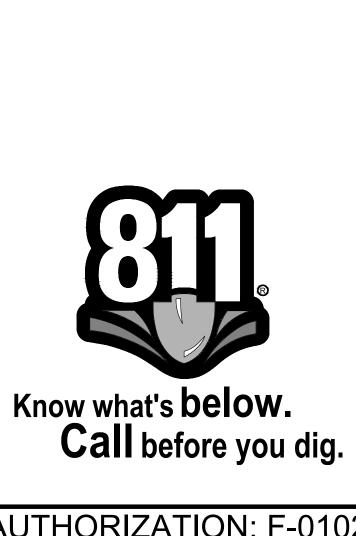
ZONING COMPLIANCE PERMIT NARRATIVE

CHANGE. THE SITE SHARES PARKING WITH THE ADJACENT SERVICES WILL BE UTILIZED, AND STORMWATER DRAINAGE PATTERNS WILL REMAIN THE SAME. OVERALL IMPERVIOUS SURFACE AREA WILL BE REDUCED BY 1,902 SF.

SITE DATA PROPERTY INFORMATION EXISTING ZONING: CC (COMMUNITY COMMERCIAL) DAY-CARE EXISTING USE: TOTAL SITE AREA: NET LAND AREA: 0.81 AC (35,446 SF) GROSS LAND AREA: 0.90 AC (38,991 SF) BUILDING SETBACKS: REQUIRED: PRIMARY STREET = 22' INTERIOR = 8' SOLAR = 9' PROPOSED: PRIMARY STREET = 39' INTERIOR = 24' SOLAR = 90' PROJECT DATA PROPOSED USE: AUTO REPAIR - LESS COLLISION AND PAINTING A: 9799032752, B: 9799031693 PROPOSED # OF BUILDINGS FLOOR AREA RATIO: 0.2016 (7,146 / 35,446 SF) MAX FAR ALLOWED IN CC DISTRICT: 0.429 EQUIRED: 24 SPACES (CHAPEL HILL LUMO 5.9.7)
3 SPACES/BAY (DURHAM-VEHICLE SERVICE) 6 BAYS (PEP BOYS) = 18 SPACES 2 BAYS (VALVOLINE) = 6 SPACES PARKING PROVIDED: 27 SPACES TOTAL REQUIRED: 1 SPACES
| PROVIDED: 2 SPACES TOTAL (2 VAN ACCESSIBLE) SHORT TERM BIKE PARKING: REQUIRED: 4 SPACES (FOR <100,000 SF RETAIL) PROVIDED: 6 SPACES (EXISTING PEPBOYS BUILDING) PROPOSED BUILDING HEIGHT: 30.0' MAX - SEE ELEVATIONS SHEETS SITE IMPERVIOUS AREA: EXISTING (PRE-DEV.): =25.553 SF (72.09%) PROPOSED (POST-DEV.):) =23,651 SF (66.72%)

PHONE: (919) 677-2000

**AREA MAP** Sheet List Table Sheet Number Sheet Title C0.1 GENERAL NOTES EXISTING CONDITIONS AND DEMOLITON PLAN C1.0 C2.0 C3.0 GRADING, DRAINAGE, AND EROSION CONTROL PLAN UTILITY PLAN C4.0 C5.0 SITE DETAILS C6.0 UTILITY DETAILS DRAINAGE AND EROSION CONTROL DETAILS CONSTRUCTION STAGING, PARKING, STORAGE AND TRAILER PLAN L1.0 LIGHTING PLAN ES-1 - ES-3 **BUILDING ELEVATIONS** 1-4 BM-113 PG-167 RECORDED PLAT



NC CERTIFICATE OF AUTHORIZATION: F-0102

Kimley» Horn 421 FAYETTEVILLE STREET - SUITE 600 - RALEIGH, NORTH CAROLINA 27601

NOVEMBER 20, 2019 | 018852005

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JOB NUMBER:

SHE

COVER

SHEET NUMBER

C0.0

- 2. 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 TOWN, COUNTY AND STATE REGULATIONS AND CODES AND O.S.H.A. STANDARDS.
- 5. ALL ISLANDS WITH CURB & GUTTER SHALL BE LANDSCAPED UNLESS OTHERWISE INDICATED.
- 6. EXISTING INFORMATION TAKEN FROM SURVEY BY J. HENRY WALKER III, 1115-D LITTLE ST. P.O. BOX 1295
- CAMDEN, SC 29021. PHONE: 803-425-0702 AND DATED NOVEMBER 4, 2014 AND TAKEN FROM PEPBOYS AUTO PLANS BY GENESIS NORTH CAROLINA, LLP, 1330 LADY ST., SUITE 405, COLUMBIA, SC 29201. PHONE: 803-744-4500 AND DATED JUNE 4, 2013.
- 7. 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 TOWN OF CHAPEL HILL INSPECTIONS.
- 8. THE CONTRACTOR SHALL PROTECT ALL MONUMENTS, IRON PINS, AND PROPERTY CORNERS DURING CONSTRUCTION.
- 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 TOWN OF CHAPEL HILL.
- 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 TO PROCEEDING.
- 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 DETAILS).

### 16. SIGHT TRIANGLES SHOWN ARE THE MINIMUM REQUIRED.

- 17. 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 TOWN OF CHAPEL HILL STANDARD SPECIFICATIONS AND DETAILS.
- 18. ALL WORK MUST COMPLY WITH CHAPTER 11 OF THE NORTH CAROLINA STATE BUILDING AND HANDICAPPED ACCESSIBILITY CODE.
- 19. ADJACENT STREETS SHALL BE KEPT CLEAN AT ALL TIMES.

### TREE PROTECTION NOTES

- 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 SAVE ALL OTHER EXISTING TREES AND SHRUBS WHERE POSSIBLE.
- 2. 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 BEGINS AND IS NOT TO BE REMOVED UNTIL AFTER CONSTRUCTION.

# TRAFFIC CONTROL:

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

# DRAINAG

- 1. ALL PIPE LENGTHS AND SLOPES ARE APPROXIMATE.
- 2. ADDITIONAL SUBSURFACE DRAINAGE MAY RE REQUIRED IN THE STREET RIGHT-OF-WAY IF DEEMED NECESSARY BY THE INSPECTOR.
- 3. 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.
  - E. DESTABILIZATION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE EROSION AND SEDIMENT CONTROL REGULATIONS.
  - F. APPLICABLE SAFETY REGULATIONS SHALL BE COMPLIED WITH.
- 4. 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.
- 5. STRUCTURE TOP ELEVATIONS SHOWN HERE IN ARE APPROXIMATE. CONTRACTOR SHALL ADJUST AS NECESSARY.
- 6. RIM ELEVATIONS AS SHOWN ON THE CONSTRUCTION DRAWINGS ARE TO THE GUTTER FLOW LINE.

### UTILITY NOTES

- 1. ALL FILL MATERIAL IS TO BE IN PLACE, AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
- 2. CONTRACTOR SHALL NOTIFY THE ORANGE WATER AND SEWER AUTHORITY UTILITY INSPECTORS 72—HOURS BEFORE CONNECTING TO ANY EXISTING LINE.
- 3. SANITARY SEWER PIPE SHALL BE AS FOLLOWS:
- 4" PVC SCHEDULE 40
- 4. WATER LINES SHALL BE AS FOLLOWS:
- SMALLER THAN 4" SDR-7 POLYETHYLENE
- 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 C-151) (CLASS 50).
- 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 ORANGE WATER AND SEWER AUTHORITY HAS THE RIGHT TO INSPECT ALL PRIVATE WATER SYSTEMS.
- 13. DRAWINGS DO NOT PURPORT 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 ORANGE WATER AND SEWER AUTHORITY WITH REGARDS TO MATERIALS, INSTALLATION, AND TESTING OF THE WATER AND SEWER LINES.
- 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 FINAL CONNECTION OF SERVICE.
- 20. CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES FOR INSTALLATION REQUIREMENTS AND SPECIFICATIONS.
- 21. ALL UTILITY MAIN LENGTHS SHOWN ARE APPROXIMATE.
- 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 CONTRACTOR.
- 24. THE CONTRACTOR SHALL COORDINATE AS REQUIRED WITH ORANGE WATER AND SEWER AUTHORITY 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 DIAMETER.
- 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.

### GRADING:

- 1. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL TOWN OF CHAPEL HILL 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 PROCEEDING.
- 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.
- 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.
   EXISTING TOPOGRAPHIC INFORMATION TAKEN FROM SURVEY BY J. HENRY WALKER III, 1115-D LITTLE ST.
- FROM PEPBOYS AUTO PLANS BY GENESIS NORTH CAROLINA, LLP, 1330 LADY ST., SUITE 405, COLUMBIA, SC 29201. PHONE: 803-744-4500 AND DATED JUNE 4, 2013.

  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

P.O. BOX 1295 CAMDEN, SC 29021. PHONE: 803-425-0702 AND DATED NOVEMBER 4, 2014 AND TAKEN

- 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 BELOW THE STRUCTURE.
   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. SIDEWALKS TO HAVE A MAXIMUM 2% CROSS SLOPE AND A MAXIMUM 5% LONGITUDINAL SLOPE.
- 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. CONTRACTOR SHALL COORDINATE WITH ORANGE COUNTY AND TOWN OF CHAPEL HILL TO OBTAIN ALL NECESSARY DEMOLITION PERMITS PRIOR TO THE START OF ANY DEMOLITION WORK.
- 2. SAW CUT AND REMOVE CONCRETE CURB TO LIMITS REQUIRED FOR NEW WORK.
- 3. REMOVE VEGETATION AND GRASS IN AREAS TO RECEIVE NEW ASPHALT AND CONCRETE PAVEMENTS.
- 4. SAW CUT AND REMOVE ASPHALT PAVEMENT TO LIMITS INDICATED ON PLAN.
- 5. THE CONTRACTOR SHALL DEMOLISH AND REMOVE OFF—SITE FACILITIES WITHIN THE PROJECT SITE TO INCLUDE BUILDINGS, CONCRETE STRUCTURES (ABOVE GROUND AND FOUNDATION), SITE LIGHTING STRUCTURES, PAVEMENTS AND SECONDARY UTILITIES. ALL MATERIALS SHALL BE PROPERLY DISPOSED OF PER STATE REGULATIONS.
- 6. THE CONTRACTOR SHALL IMMEDIATELY REPORT TO THE OWNER AND ENGINEER ANY UNFORESEEN OR ADVERSE CONDITIONS, INCLUDING UNCHARTED UTILITIES, DISCOVERED DURING DEMOLITION OPERATIONS.
- 7. SEVEN CALENDAR DAYS PRIOR TO ANY STREET LANE CLOSURE, SUBMIT WORK ZONE TRAFFIC CONTROL PLANS TO JERRY NEVILLE IN THE TRAFFIC DIVISION AND APPLY FOR A LANE CLOSURE PERMIT.
- 8. PRIOR TO ANY WORK IN THE PUBLIC RIGHT-OF-WAY, CONTACT LARRY TUCKER IN THE ENGINEERING SERVICES AND DESIGN DIVISION TO SCHEDULE A PRE-CONSTRUCTION CONFERENCE AND APPLY FOR AN ENGINEERING CONSTRUCTION PERMIT, AND PROVIDE AN EROSION CONTROL BOND, IF NECESSARY.
- ALL EXISTING STRUCTURES 500 SQUARE FEET AND LARGER SHALL BE ASSESSED PRIOR TO THE ISSUANE OF A DEMOLITION PERMIT TO ENSURE COMPLIANCE WITH THE COUNTY'S REGULATED RECYCLABLE MATERIALS ORDINANCE (RRMO) AND TO ASSESS THE POTENTIAL FOR DECONSTRUCTION AND/OR THE REUSE OF SALVAGEABLE MATERIALS. CONTACT THE ORANGE COUNTY SW ENFORCEMENT OFFICER AT 919-968-2788 TO ARRANGE FOR THE ASSESSMENT.
- 10. PURSUANT TO THE COUNTY'S RRMO, CLEAN WOOD WASTE, SCRAP METAL, AND CORRUGATED CARDBOARD PRESENT IN CONSTRUCTION OR DEMOLITION WASTE MUST BE RECYCLED.
- 11. PURSUANT TO THE COUNTY'S RRMO, ALL HAULERS OF MIXED CONSTRUCTION AND DEMOLITION WASTE WHICH INCLUDES ANY REGULATED RECYCLABLE MATERIALS SHALL BE LICENSED BY ORANGE COUNTY.
- 12. PRIOR TO ANY DEMOLITION OR CONSTRUCTION ACTIVITY ON THE SITE, THE APPLICANT SHALL HOLD A PRE-DEMOLITION/PRE-CONSTRUCTION CONFERENCE WITH SOLID WASTE STAFF. THIS MAY BE THE SAME PRE-CONSTRUCTION MEETING HELD WITH OTHER DEVELOPMENT/ENFORCEMENT OFFICIALS
- 13. THE PRESENCE IF ANY ASBESTOS CONTAINING MATERIALS ('ACM') AND/OR OTHER HAZARDOUS MATERIALS SHALL BE HANDLED IN ACCORDANCE WITH ANY AND ALL LOCAL, STATE, AND FEDERAL REGULATIONS AND GUIDELINES.

### EROSION CONTROL NOTES:

- 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 TOWN OF CHAPEL HILL REGULATIONS.
- 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 DISTURBANCE TAKES PLACE.
- 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 IS REMOVED IN THIS MANNER.
- 8. 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 TOWN OF CHAPEL HILL 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 TOWN OF CHAPEL HILL 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 TOWN OF CHAPEL HILL EROSION AND SEDIMENT CONTROL REGULATIONS. PERMANENT SEEDING AND GRASS ESTABLISHMENT IS REQUIRED PRIOR TO PROJECT COMPLETION AND ACCEPTANCE.
- 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 METHOD OF CLEANING.
- DEVICE PRIOR TO DISCHARGE TO RECEIVING OUTLET.

  17. STABILIZATION MEASURES SHALL BE APPLIED TO STRUCTURES SUCH AS DAMS, DIKES AND

Know what's below.

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL

EXISTING INFORMATION TAKEN FROM SURVEY BY J. HENRY

WALKER III, 1115-D LITTLE ST. P.O. BOX 1295 CAMDEN, SC

29021. PHONE: 803-425-0702 AND DATED NOVEMBER 4, 2014 AND TAKEN FROM PEPBOYS AUTO PLANS BY GENESIS

COLUMBIA, SC 29201. PHONE: 803-744-4500 AND DATED

NORTH CAROLINA, LLP, 1330 LADY ST., SUITE 405,

SPECIFICATIONS.

SURVEY NOTE:

JUNE 4, 2013.

TOWN OF CHAPEL HILL AND/OR NCDOT STANDARDS AND

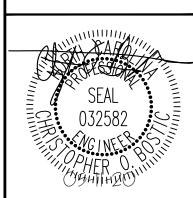
Call before you dig.

16. DURING DEWATERING OPERATIONS, WATER SHALL BE PUMPED INTO AN APPROVED FILTERING

DIVERSIONS IMMEDIATELY AFTER INSTALLATION.

TOWN, NCDOT, OWASA, & COUNTY C
ZCP COMMENTS

KIMLEY-HORN AND ASSOCIATES, INC. LLE STREET, SUITE 600, RALEIGH, NC 919-677-2000 FAX: 919-677-2050 www.kimley-horn.com



DATE
1/20/2019
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IGNED BY WWH

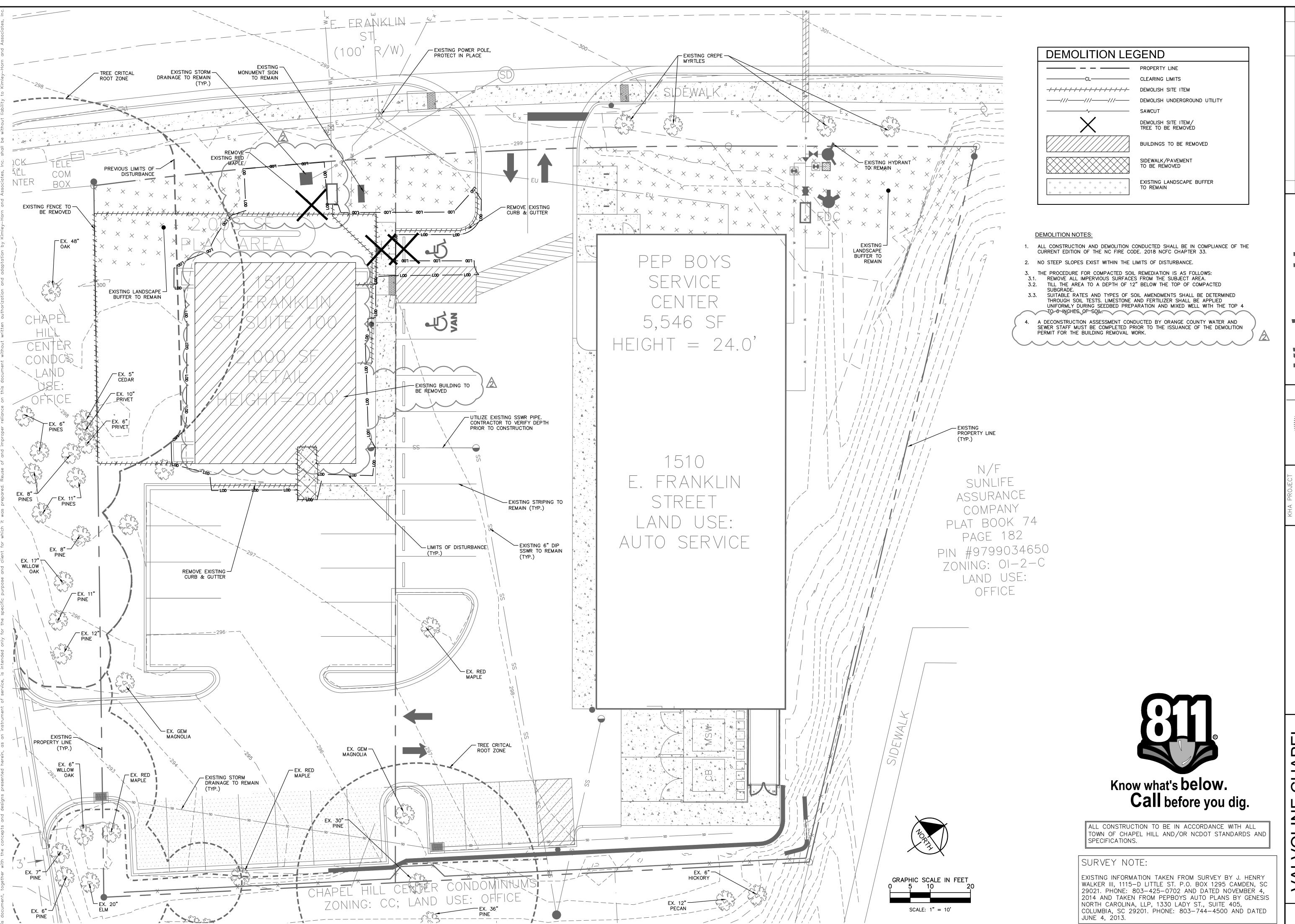
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LVOLINE CF HILL

SHEET NUMBER

CO.1



2 TOWN, NCDOT, OWASA, & COUNTY COMMENTS 05-11-20
1 ZCP COMMENTS 01-17-20
No. REVISIONS DATE

EY-HORN AND ASSOCIATES, INC.
STREET, SUITE 600, RALEIGH, NC 27601
677-2000 FAX: 919-677-2050

SEAL 032582

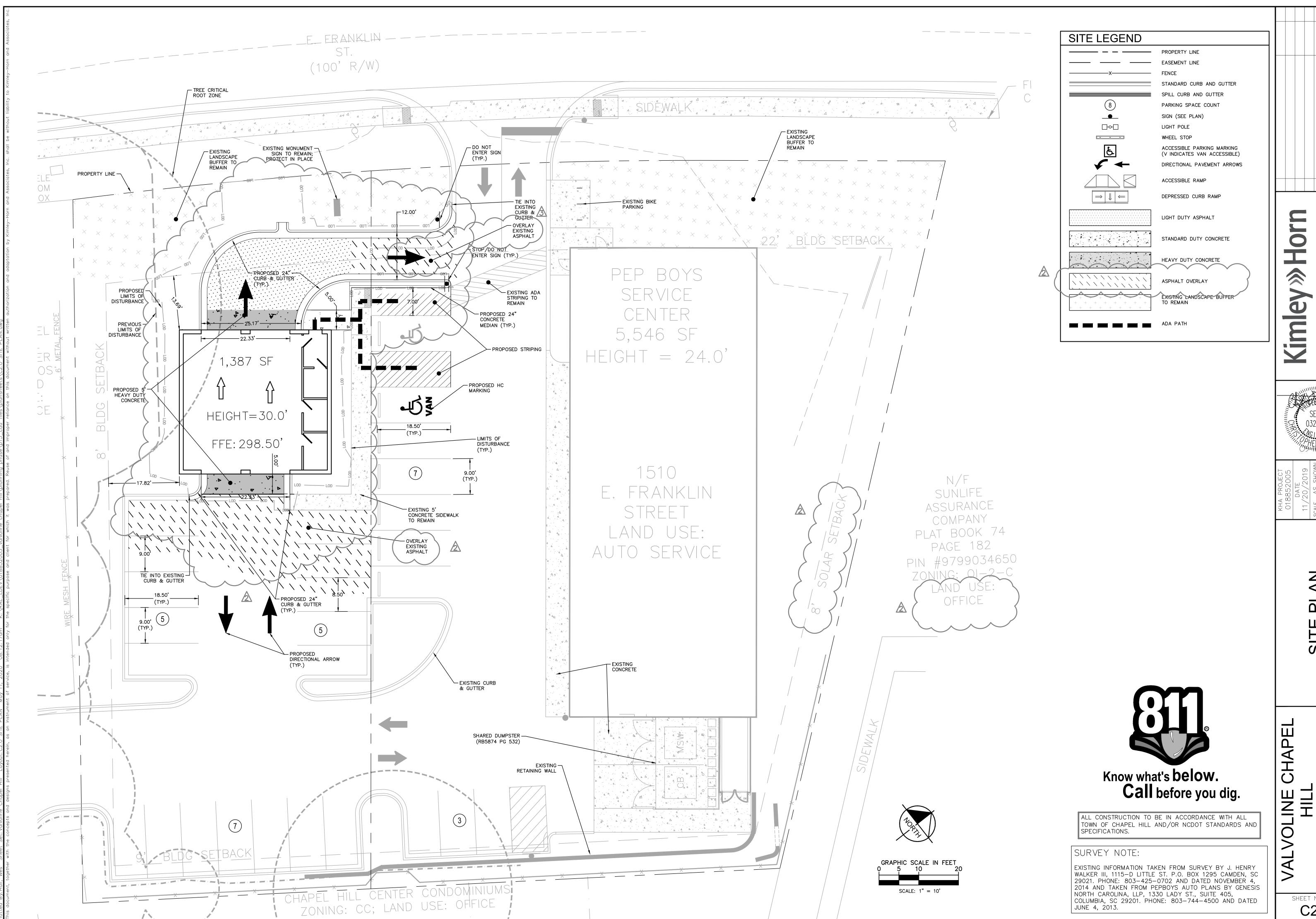
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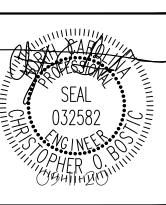
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VOLINE CHAPE
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PREPARED FOR
VALVOLINE

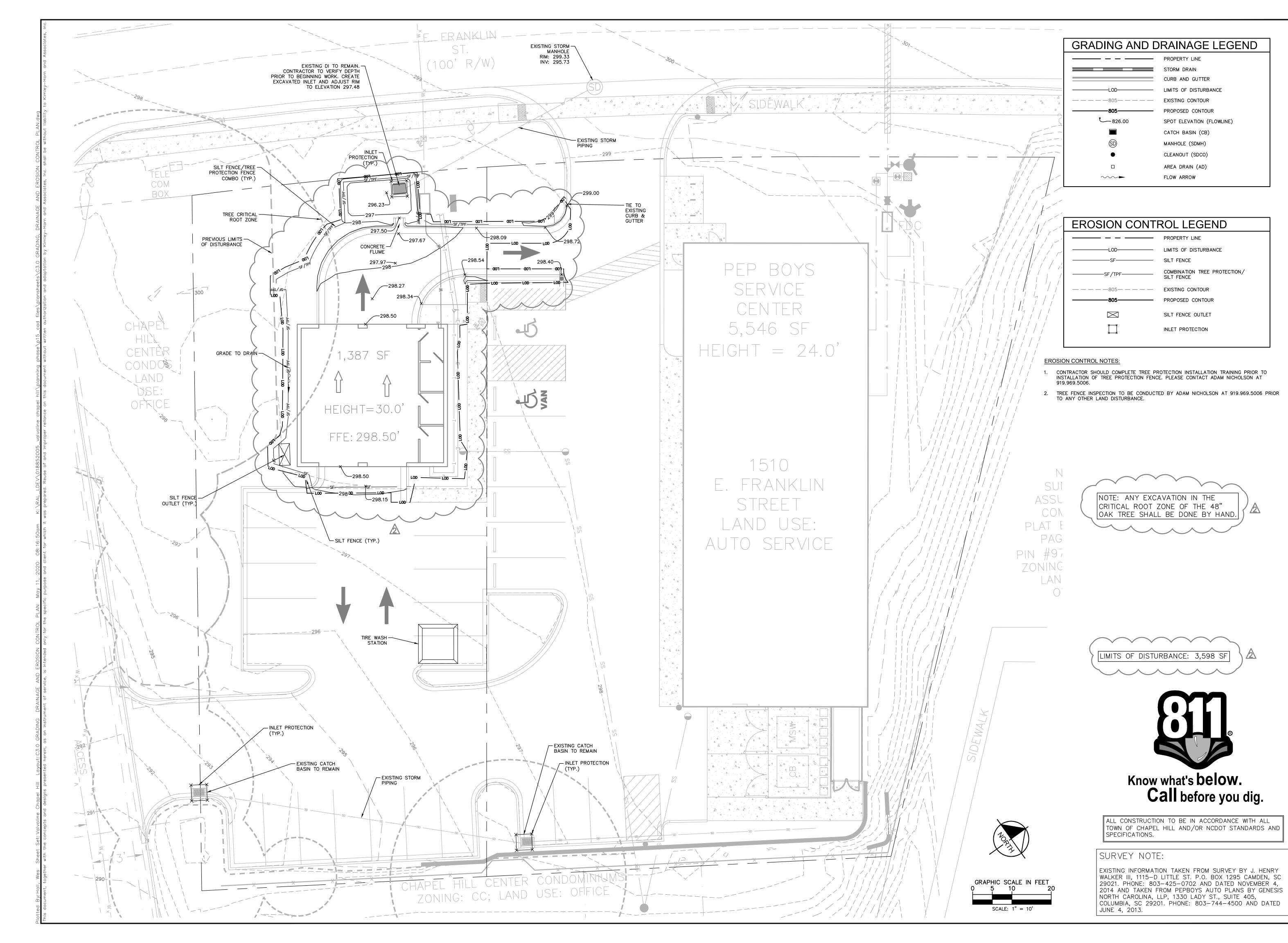
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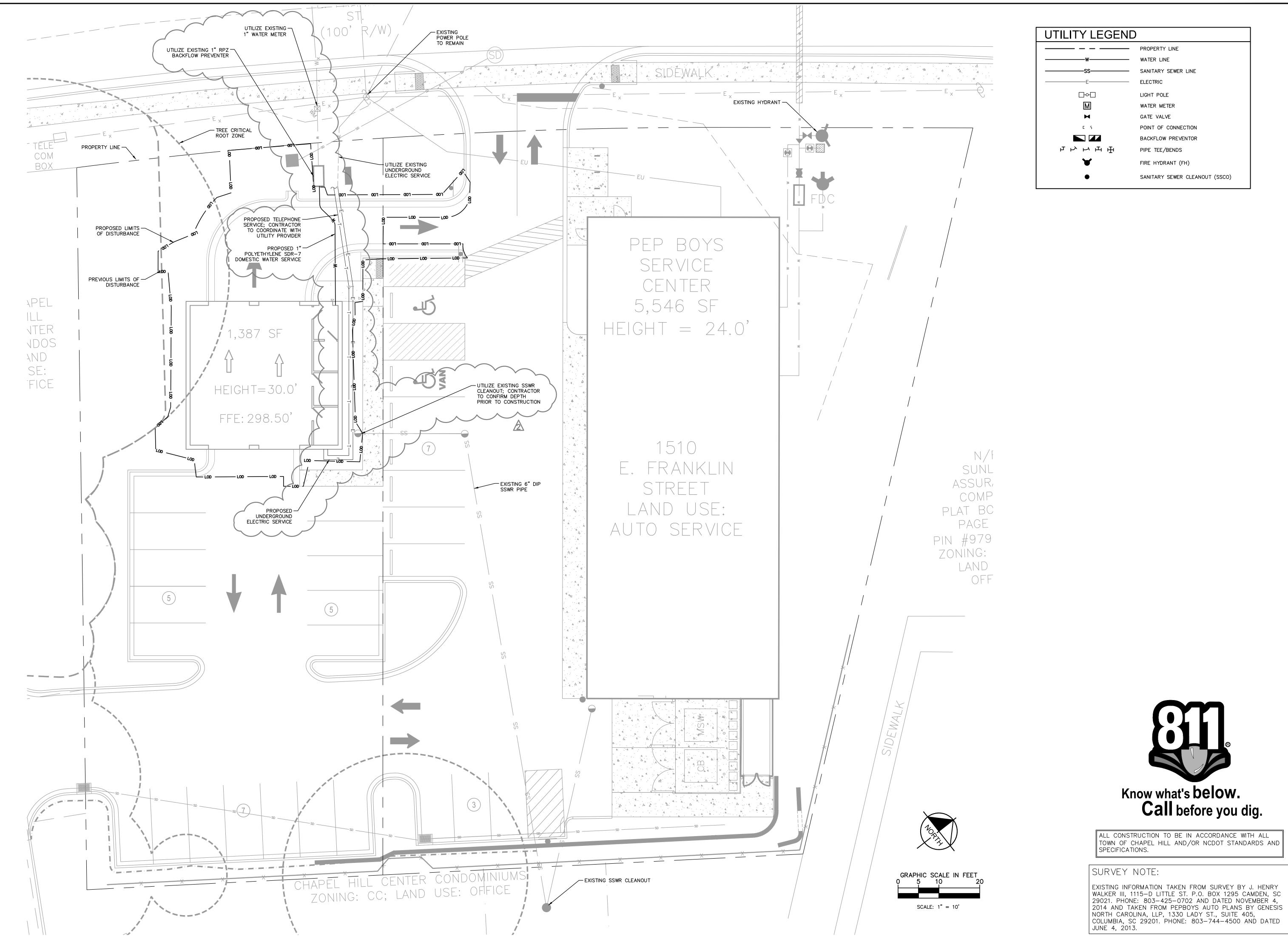
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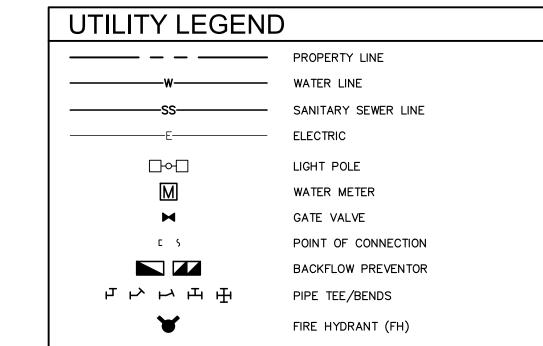
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OLINE HILL

SHEET NUMBER C3.0





SANITARY SEWER CLEANOUT (SSCO)

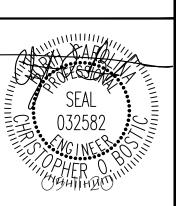
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ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL

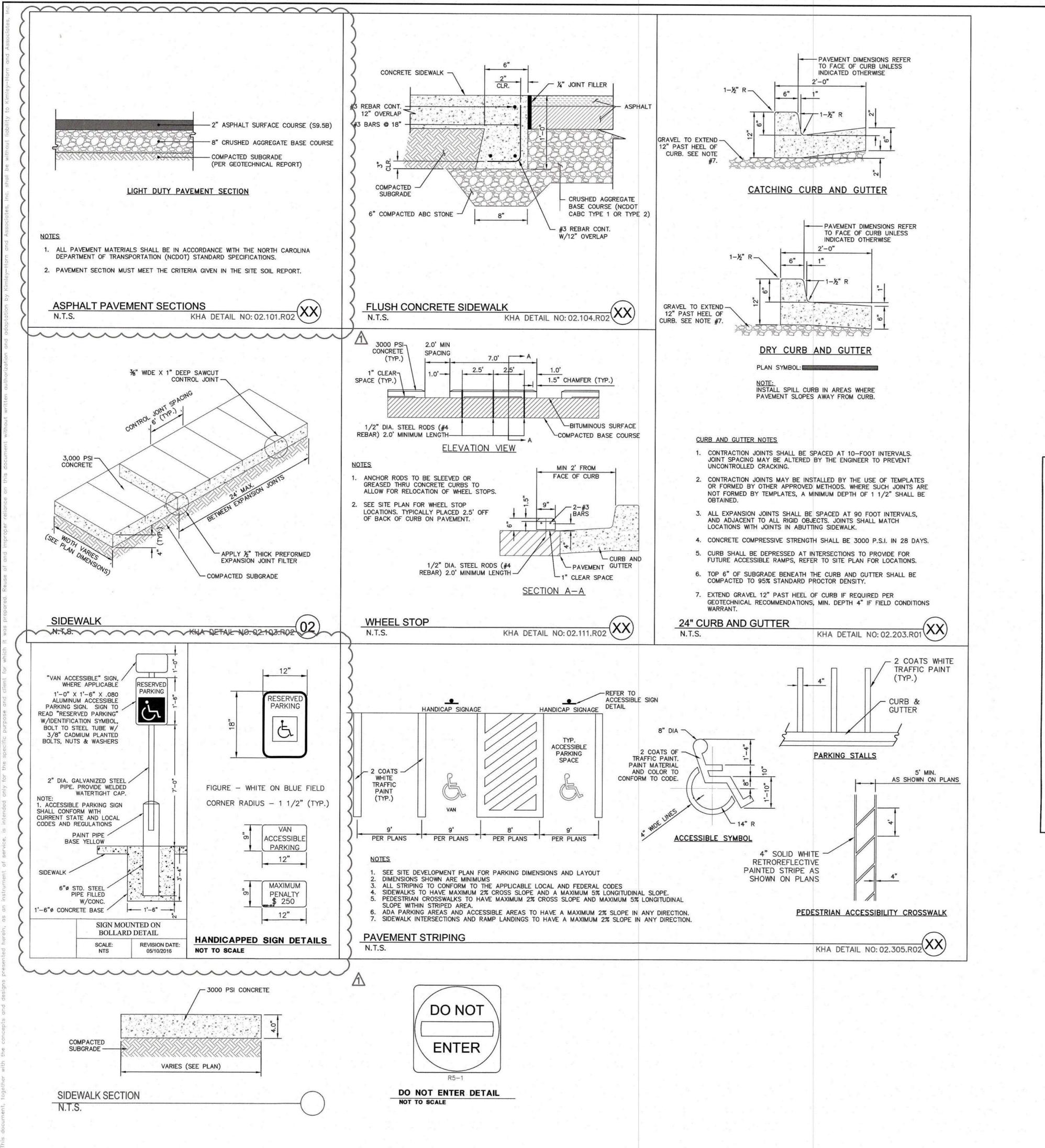
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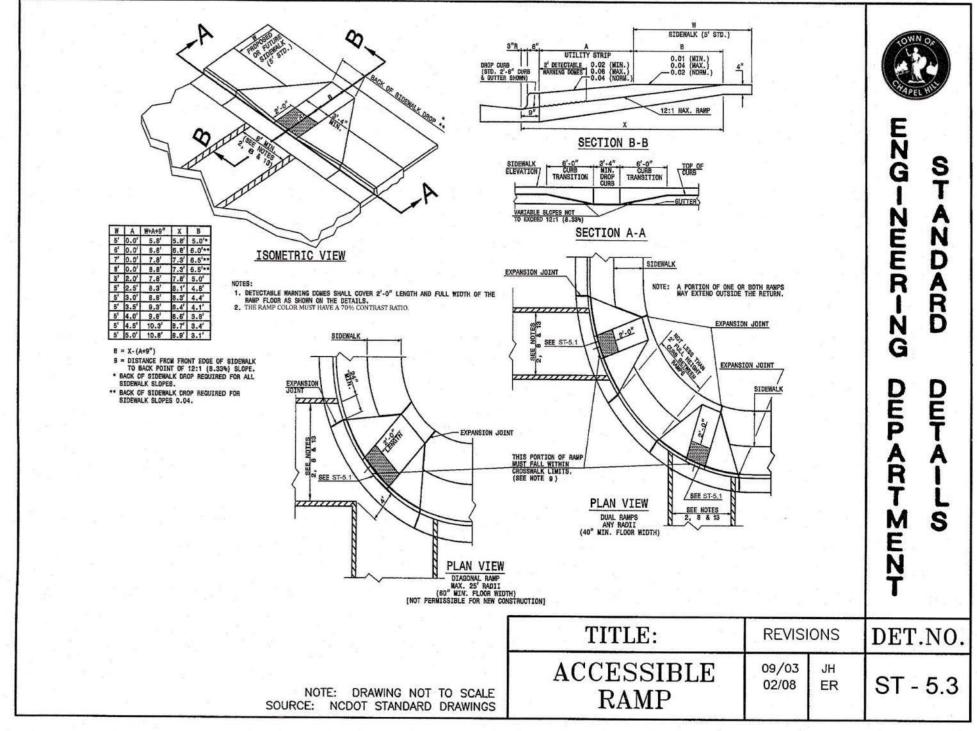
TOWN OF CHAPEL HILL AND/OR NCDOT STANDARDS AND SPECIFICATIONS.



SHEET NUMBER

C4.0







- 1. CONSTRUCT THE WALKING SURFACE WITH SLIP RESISTANCE AND A 70% CONTRASTING COLOR TO THE SIDEWALK.
- 2. CROSSWALK WIDTHS AND CONFIGURATION MAY VARY BUT MUST CONFORM TO TRAFFIC DESIGN STANDARDS.
- PROVIDE WHEELCHAIR RAMPS AT LOCATIONS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. LOCATE WHEELCHAIR RAMPS AS DIRECTED BY THE ENGINEER WHERE EXISTING LIGHT POLES, FIRE HYDRANTS, DROP INLETS, ETC. AFFECT PLACEMENT. WHERE TWO RAMPS ARE INSTALLED, PLACE NOT LESS THAN TWO FEET OF FULL HEIGHT CURB BETWEEN THE RAMPS. PLACE DUAL RAMPS AS PERPENDICULAR TO THE TRAVEL LANE BEING CROSSED AS POSSIBLE.
- 4. DO NOT EXCEED 0.08 (12:1) SLOPE ON THE WHEELCHAIR RAMP IN RELATIONSHIP TO THE GRADE OF THE STREET.
- 5. CONSTRUCT WHEELCHAIR RAMPS 40" (3'-4") OR GREATER FOR DUAL RAMPS AND 60" (5'-0") OR GREATER FOR DIAGONAL RAMPS.
- 6. USE CONCRETE WITH A SIDEWALK FINISH IN ORDER TO OBTAIN A ROUGH NON-SKID TYPE SURFACE.
- 7. PLACE A 1/2" EXPANSION JOINT WHERE THE CONCRETE WHEELCHAIR RAMP JOINS THE CURB AS SHOWN ON DETAIL ST-5A.
- 8. PLACE THE INSIDE PEDESTRIAN CROSSWALK LINES NO CLOSER IN THE INTERSECTION BY BISECTING THE INTERSECTION RADII, WITH ALLOWANCE OF A 4' CLEAR ZONE IN THE VEHICULAR TRAVELWAY WHEN ONE RAMP IS INSTALLED. (SEE NOTE 13)
- 9. COORDINATE THE CURB CUT AND THE PEDESTRIAN CROSSWALK LINES SO THE FLOOR OF THE WHEELCHAIR RAMP WILL FALL WITHIN THE PEDESTRIAN CROSSWALK LINES. PLACE DIAGONAL RAMPS WITH FLARED SIDES SO 24" OF FULL HEIGHT CURB FALLS WITHIN THE CROSSWALK MARKINGS ON EACH SIDE OF THE FLARES.
- 10. CONSTRUCT THE PEDESTRIAN CROSSWALK A MINIMUM OF 6 FEET. A CROSSWALK WIDTH OF 8 FEET OR GREATER IS DESIRABLE.
- 11. USE STOP LINES, NORMALLY PERPENDICULAR TO THE LANE LINES, WHERE IT IS IMPORTANT TO INDICATE THE POINT BEHIND WHICH VEHICLES ARE REQUIRED TO STOP IN COMPLIANCE WITH A TRAFFIC SIGNAL, STOP SIGN OR OTHER LEGAL REQUIREMENT. AN UNUSUAL APPROACH SKEW MAY REQUIRE THE PLACEMENT OF THE STOP LINE TO BE PARALLEL TO THE INTERSECTION ROADWAY. 12. TERMINATE PARKING A MINIMUM OF 20 FEET BACK OF PEDESTRIAN CROSSWALK.

13. PLACE ALL PAVEMENT MARKINGS IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) PUBLISHED BY THE FEDERAL HIGHWAY ADMINISTRATION AND THE NORTH CAROLINA SUPPLEMENT TO THE MUTCD.

DET.NO

E

SOURCE: NCDOT STANDARD DRAWINGS

TITLE: REVISIONS ACCESSIBLE 09/03 ST - 5.4 RAMP



Know what's below. Call before you dig.

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF CHAPEL HILL AND/OR NCDOT STANDARDS AND SPECIFICATIONS.

SURVEY NOTE:

EXISTING INFORMATION TAKEN FROM SURVEY BY J. HENRY WALKER III, 1115-D LITTLE ST. P.O. BOX 1295 CAMDEN, SC 29021. PHONE: 803-425-0702 AND DATED NOVEMBER 4, 2014 AND TAKEN FROM PEPBOYS AUTO PLANS BY GENESIS NORTH CAROLINA, LLP, 1330 LADY ST., SUITE 405, COLUMBIA, SC 29201. PHONE: 803-744-4500 AND DATED JUNE 4, 2013.

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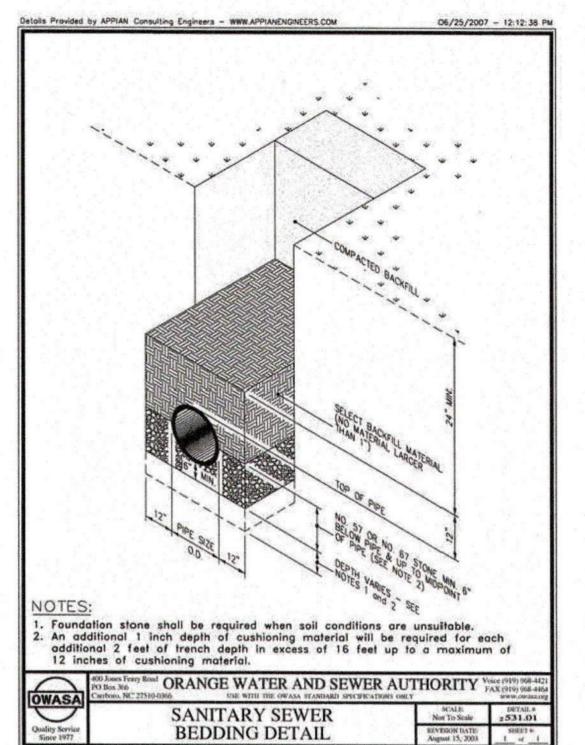
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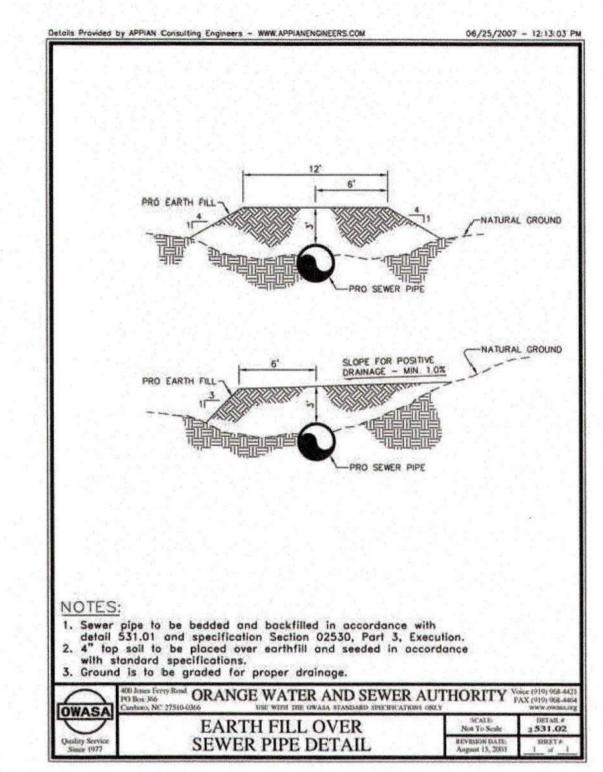
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SHEET NUMBER







ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF CHAPEL HILL AND/OR NCDOT STANDARDS AND SPECIFICATIONS.

# SURVEY NOTE:

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Know what's below.	
Call before you dig.	

VOLINE CHAPEL
HILL
PREPARED FOR
VALVOLINE

Kimley»Horn

SHEET NUMBER

C6.0

- 1. TREE PROTECTION FENCING MUST BE INSTALLED AT A MINIMUM RADIUS OF THE CRITICAL ROOT ZONE (CRZ) OF TREES. (CRZ DEFINED AS RADIUS x 1.25' (FT) PER INCH AT DBH FROM TRUNK OF TREE.
- 2. IF CONSTRUCTION OCCURS WITHIN THE CRZ AT LEAST 12" OF MULCH AND/OR LOGGING MATTS SHALL BE PLACED WHERE MACHINERY MANEUVERS TO REDUCE SOIL COMPACTION IN THIS ZONE.
- 3. THE TREE PROTECTION FENCING MUST NOT BE VIOLATED FOR THE ENTIRE DURATION OF THE PROJECT.
- 4. THERE WILL BE ZERO TOLERANCE FOR STORING OR PARKING VEHICLES, SUPPLIES, OR EQUIPMENT UNDER PROTECTED TREES.
- 6. WARNING SIGNS TO BE MADE OF DURABLE, WEATHERPROOF MATERIAL LETTERS TO BE 3" HIGH MINIMUM, CLEARLY LEGIBLE AND SPACED AS
- 7. SIGNS SHALL BE PLACED AT 50' MAXIMUM INTERVALS. PLACE A SIGN AT EACH END OF LINEAR TREE PROTECTION AND 50' ON CENTER THEREAFTER FOR TREE PROTECTION AREAS LESS THAN 200' IN PERIMETER, PROVIDE NO LESS THAN ONE SIGN PER PROTECTION AREA.
- ENGLISH AND SPANISH, 8. ATTACH SIGNS SECURELY TO FENCE POSTS AND FABRIC. MAINTAIN TREE PROTECTION FENCE THROUGHOUT DURATION OF PROJECT.
  - 9. SHOULD THE FABRIC OF A PROTECTION FENCE COLLAPSE, TEAR, DECOMPOSE OR BECOME INEFFECTIVE, CONTRACTOR SHALL REPLACE IT

DATE	TYPE	PLANTING RATE	REGION	
JAN. 1 - MAY 1	RYE (GRAIN)	120 LBS/ACRE	PIEDMONT	
JAN. 1 - MAY 1	ANNUAL LESPEDEZA (KOBE)	ESPEDEZA (KOBE) 50 LBS/ACRE PIEDMONT		
MAY 1 - AUG. 15	GERMAN MILLET	40 LBS/ACRE	PIEDMONT	
MAY 1 - AUG. 15	SMALL-STEMMED SUDANGRASS	50 LBS/ACRE	PIEDMONT	
AUG. 15 - DEC. 30	RYE (GRAIN)	120 LBS/ACRE	PIEDMONT	
DEC. 1 - APR. 15	RYE (GRAIN)	120 LBS/ACRE	COASTAL PLAIN	
DEC. 1 - APR. 15	ANNUAL LESPEDEZA (KOBE)	50 LBS/ACRE	COASTAL PLAIN	
APR. 15 - AUG. 15	GERMAN MILLET	40 LBS/ACRE	COASTAL PLAIN	
AUG. 15 - DEC. 30	RYE (GRAIN)	120 LBS/ACRE	COASTAL PLAIN	
FEB. 15 - MAY 15	RYE (GRAIN)	120 LBS/ACRE	MOUNTAINS - ABOVE 2500 FEET	
FEB. 1 - MAY 1	RYE (GRAIN)	120 LBS/ACRE	MOUNTAINS - BELOW 2500 FEET	
FEB. 15 - MAY 15	ANNUAL LESPEDEZA (KOREAN)	50 LBS/ACRE	MOUNTAINS - ABOVE 2500 FEET	
FEB. 1 - MAY 1	ANNUAL LESPEDEZA (KOREAN)	50 LBS/ACRE	MOUNTAINS - BELOW 2500 FEET	
MAY 15 - AUG. 15	GERMAN MILLET	40 LBS/ACRE	MOUNTAINS	
MAY 15 - AUG. 15	SMALL-STEMMED SUDANGRASS	50 LBS/ACRE	MOUNTAINS	
AUG. 15 - DEC. 15	RYE (GRAIN)	120 LBS/ACRE	MOUNTAINS	

# SEEDBED PREPARATION:

1. TILL OR DISK THE PREPARED AREAS TO BE SEEDED TO A MINIMUM DEPTH OF FOUR

- 2. REMOVE STONES LARGER THAN THREE INCHES ON ANY SIDE, STICKS, ROOTS AND OTHER EXTRANEOUS MATERIALS THAT SURFACE.
- 3. IF NOT INCORPORATED DURING THE SOIL PREPARATION PROCESS, ADD pH MODIFIER AND FERTILIZERS AT THE RATE SPECIFIED IN THE SOIL TEST REPORT. IF THERE IS NO SOIL
- TEST REPORT, FOLLOW SOIL AMENDMENTS BELOW. 4. RE-COMPACT THE AREA UTILIZING A CULTIPACKER ROLLER. THE FINISHED GRADE SHALL BE A SMOOTH EVEN SOIL SURFACE WITH A LOOSE, UNIFORMLY FINE TEXTURE.
- 5. EVENLY APPLY SEED USING A CYCLONE SEEDER (BROADCAST), DRILL, CULTIPACKER SEEDER, OR HYDROSEEDER. SMALL GRAINS SHOULD BE PLANTED NO MORE THAN 1 INCH DEEP, AND GRASSES AND LEGUMES NO MORE THAN 1 INCH. BROADCAST SEED MUST BE COVERED BY RAKING OR CHAIN DRAGGING, AND THEN LIGHTLY FIRMED WITH A ROLLER OR CULTIPACKER. HYDROSEEDED MIXTURES SHOULD INCLUDE A WOOD FIBER (CELLULOSE)

- CONSULT CONSERVATION ENGINEER OR SOIL CONSERVATION SERVICE FOR ADDITIONAL INFORMATION CONCERNING OTHER ALTERNATIVES FOR VEGETATION OF DENUDED AREAS. THE ABOVE VEGETATION RATES ARE THOSE WHICH DO WELL UNDER LOCAL CONDITIONS; OTHER SEEDING RATE COMBINATIONS ARE POSSIBLE.
- 2. THIS SEEDING SCHEDULE IS FOR EROSION AND SEDIMENT CONTROL ONLY. SEE LANDSCAPE PLAN FOR FINAL SEEDING.
- 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.
- 4. CONTRACTOR SHALL PROVIDE GROUND COVER IN 14 DAYS ON ALL OTHER AREAS FOLLOWING COMPLETION OF ANY PHASE OF GRADING.
- 5. 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.

STEEL POST SET

MAX 2' APART MIN

2' INTO SOLID GROUND

- COMPLETE GRADING BEFORE PREPARING SEEDBEDS, AND INSTALL ALL NECESSARY EROSION CONTROL PRACTICES SUCH AS, DIKES, WATERWAYS, AND BASINS.
- 7. IF SOILS BECOME COMPACTED DURING GRADING, LOOSEN THEM TO A DEPTH OF 6-8 INCHES USING A RIPPER, HARROW, OR CHISEL PLOW.
- 8. THE USE OF AN APPROPRIATE MULCH WILL HELP ENSURE ESTABLISHMENT UNDER NORMAL CONDITIONS, AND IS ESSENTIAL TO SEEDING SUCCESS UNDER HARSH SITE

### SOIL AMENDMENTS:

LATE WINTER THROUGH SUMMER: FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 750 LB/ACRE 10-10-10

FALL: FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 1000 LB/ACRE 10-10-10 FERTILIZER.

APPLY 4000 LB/ACRE STRAW. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

STEEL POST

HARDWARE CLOTH-

BURY WIRE FENCE AND

SIDE VIEW

HARDWARE CLOTH -

BURY WIRE FENCE,

CLOTH IN TRENCH.

FILTER FABRIC, AND HARDWARE FILTER OF #57 WASHED STONE -

LATE WINTER THROUGH SUMMER: REFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, FERTILIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE. FALL: REPAIR AND REFERTILIZE DAMAGED AREAS IMMEDIATELY. TOPDRESS WITH 50 LB/ACRE OF NITROGEN IN MARCH. IF IT IS NECESSARY TO EXTEND TEMPORARY COVER BEYOND JUNE 15, OVERSEED WITH 50 LB/ACRE KOBE (PIEDMONT AND COASTAL PLAIN) OR KOREAN (MOUNTAINS) LESPEDEZA IN LATE FEBRUARY OR EARLY MARCH.

- 3' FILTER FABRIC APRON

ON GROUND

BURY 6" UPPER EDGE OF

FILTER FABRIC APRON IN TRENCH

KHA DETAIL NO: 01.303.R02

KHA DETAIL NO: 01.104.R01 (XX)



DRAINA

CHAPE PREPARED FOR VALVOLINE

OLINE

SHEET NUMBER

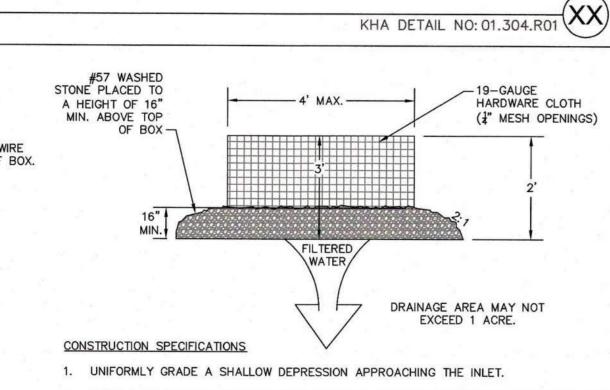
TEMPORARY SEEDING SCHEDULE AND SEEDBED PREPARATION

TOP OF SILT FENCE

MUST BE AT LEAST 1

ABOVE THE TOP OF

THE WASHED STONE



- 2. DRIVE 5-FOOT STEEL POSTS 2 FEET INTO THE GROUND SURROUNDING THE INLET. SPACE POSTS EVENLY AROUND THE PERIMETER OF THE INLET, A MAXIMUM OF 4 FEET APART.
- SURROUND THE POSTS WITH WIRE MESH HARDWARE CLOTH. SECURE THE WIRE MESH TO THE STEEL POSTS AT THE TOP, MIDDLE, AND BOTTOM. PLACING A 2-FOOT FLAP OF THE WIRE MESH UNDER THE GRAVEL FOR ANCHORING IS RECOMMENDED.
- 4. PLACE CLEAN GRAVEL (NC DOT #5 OR #57 STONE) ON A 2:1 SLOPE WITH A HEIGHT OF 16 INCHES AROUND THE WIRE, AND SMOOTH TO AN EVEN GRADE.
- 5. ONCE THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED, REMOVE ACCUMULATED
- SEDIMENT, AND ESTABLISH FINAL GRADING ELEVATIONS. 6. COMPACT THE AREA PROPERLY AND STABILIZE IT WITH GROUNDCOVER.

KHA DETAIL NO: 01.202.R01

SILT FENCE OUTLET

R=3/4"(TYP)DRAINAGE CHANNEL WIDTH PER PLAN CONC. DRAINAGE CHANNEL

6" THICK CONCRETE A SECTION FLOW DIRECTION PER GRADING AND PROVIDE 1/2" DRAINAGE PLAN -NOTE: EXPANSION JOINT MATERIAL BETWEEN CHANNEL AND EARTH BACKFILL AND LANDSCAPE MATERIAL NOT CURB/SIDEWALK (TYP. BOTH ENDS) LENGTH PER PLAN PER PLAN DEPRESS CURB HEIGHT TO 0" FOR WIDTH OF DRAINAGE CHANNEL (TYP BOTH ENDS) DRAINAGE CHANNEL SHALL BE CONCRETE. FINISH TO MATCH FINISH OF CONTIGUOUS CURB.

N.T.S.

SILT FENCE 8' max. standard strength fabric with wire fence 6' max. extra strength fabric without wire fence G Backfill trench GENERAL NOTES: 1. Use silt fence only when drainage area does not exceed ¼ acre and never in areas of concentrated flow. REVISIONS | DET. NO. 2. Silt fence shall not be removed unless site is stabilized and

NOTE: DRAWING NOT TO SCALE

SILT FENCE

FRONT VIEW

MAINTENANCE/SPECIFICATION NOTES

1. REMOVE SEDIMENT WHEN HALF OF STONE OUTLET IS COVERED.

3. SILT FENCE OUTLETS SHOULD NOT BE LOCATED WHERE THE

2. REPLACE STONE AS NEEDED TO ENSURE DEWATERING.

OUTFLOW WILL ERODE THE SOIL BELOW.

inspected by Town of Chapel Hill staff.

SURVEY NOTE:

SPECIFICATIONS.

EXISTING INFORMATION TAKEN FROM SURVEY BY J. HENRY WALKER III, 1115-D LITTLE ST. P.O. BOX 1295 CAMDEN, SC 29021. PHONE: 803-425-0702 AND DATED NOVEMBER 4, 2014 AND TAKEN FROM PEPBOYS AUTO PLANS BY GENESIS NORTH CAROLINA, LLP, 1330 LADY ST., SUITE 405, COLUMBIA, SC 29201. PHONE: 803-744-4500 AND DATED JUNE 4, 2013.

Know what's below.

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL

TOWN OF CHAPEL HILL AND/OR NCDOT STANDARDS AND

Call before you dig.

-STANDARD METAL POSTS 2'-0" IN GALVANIZED HARDWARE WIRE EXTENDS TO THE TOP OF BOX. (19 GAUGE, 1/4" MESH OPENINGS.)

#57 WASHED STONE PLACED TO A

HEIGHT OF 16" MIN. ABOVE TOP OF BOX

STONE AS NEEDED.

MAINTENANCE INSPECT INLETS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1/2 INCH OR GREATER) RAINFALL EVENT. CLEAR THE MESH WIRE OF ANY DEBRIS OR OTHER OBJECTS TO PROVIDE ADEQUATE FLOW FOR SUBSEQUENT RAINS. TAKE CARE NOT TO DAMAGE OR UNDERCUT THE WIRE MESH DURING SEDIMENT REMOVAL. REPLACE

CATCH BASIN AND YARD INLET PROTECTION N.T.S.

MIN. 1' OVERLAP

GUTTERBUDDY® SPECIFICATIONS FOR CURB GUTTER STORM DRAINS

1.0 DESCRIPTION 1.1 THIS WORK SHALL CONSIST OF FURNISHING, PLACING, MAINTAINING AND REMOVING THE GUTTERBUDDY® SEDIMENT CONTROL DEVICE AS DIRECTED BY THE ENGINEER AND AS SHOWN ON THE CONTRACT DRAWINGS. THE GUTTERBUDDY® SEDIMENT CONTROL SYSTEM IS DISTRIBUTED BY THE BMP STORE.

2.0 MATERIALS

2.1 GUTTERBUDDY® THE GUTTERBUDDY® SHALL BE SYNTHETIC FILTER MANUFACTURED FROM RECYCLED SYNTHETIC FIBERS.

2.1.1 THE GUTTERBUDDY® WILL BE MANUFACTURED TO BE 9" IN DIAMETER AND ARE AVAILABLE IN 4', 6', 8', 10', 12', 14' AND 16' LENGTHS AND A MINIMUM OF TWENTY-FOUR (24) INCHES LONGER THAN THE CURB INLET OPENING. THIS WILL ALLOW FOR SUFFICIENT LENGTH TO COVER THE INLET WITH TWELVE (12) INCHES BEYOND THE INLET ON BOTH ENDS.

3.0 CONSTRUCTION SEQUENCE

3.1 GENERAL

3.1.1 INSTALL THE GUTTERBUDDY® IN FRONT OF THE CURB INLET OPENING. EACH END OF THE GUTTERBUDDY® SHOULD OVERLAP THE CURB INLET APPROXIMATELY

3.1.2 THE GUTTERBUDDY® SHOULD BE CLEANED IF A VISUAL INSPECTION SHOWS SILT AND DEBRIS BUILD UP AROUND THE GUTTERBUDDY®. 3.1.3 TO REMOVE THE GUTTERBUDDY®, LIFT OUT OF THE OPENING

3.1.4 THE GUTTERBUDDY® IS REUSABLE. ONCE THE CONSTRUCTION PROJECT IS COMPLETE AND IT IS NO LONGER NEEDED FOR SEDIMENT CONTROL, REMOVE, CLEAN AND STORE OUT OF THE SUNLIGHT UNTIL NEEDED ON THE NEXT PROJECT. 3.1.5 PONDING IS LIKELY IF SEDIMENT IS NOT REMOVED REGULARLY. INSPECTION OF GUTTERBUDDY® SHOULD BE ON A REGULAR BASIS AND IMMEDIATELY AFTER MAJOR RAIN EVENTS.

4.0 BASIS OF PAYMENT

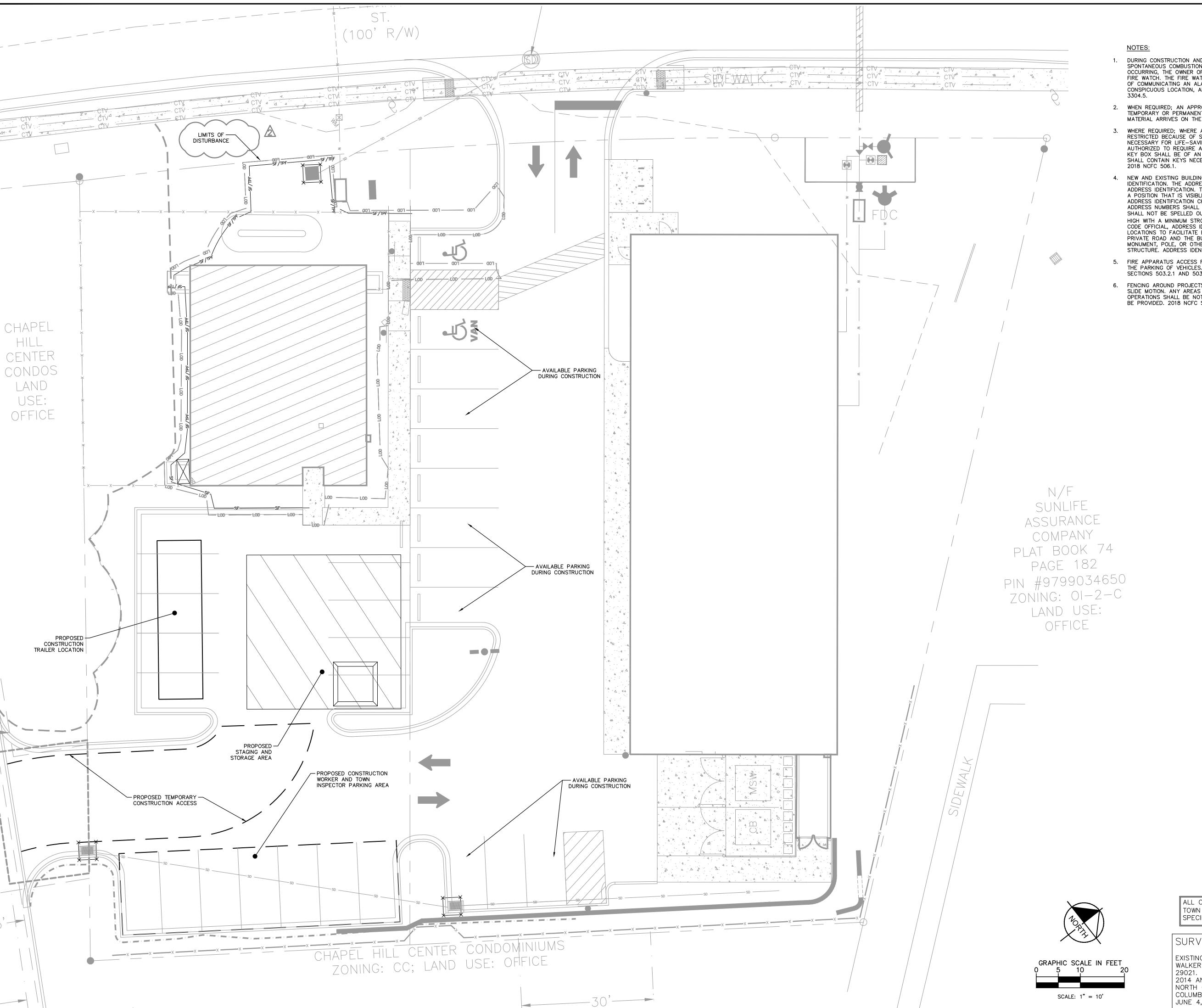
4.1 THE PAYMENT FOR ANY GUTTERBUDDY® USED DURING THE CONSTRUCTION IS TO BE INCLUDED IN THE BID OF THE OVERALL EROSION AND SEDIMENT CONTROL PLAN AND PRICED BY THE LINEAR FOOT.

**CURB INLET SILT PROTECTION** 

INSTALL ROCK AND GRAVEL AROUND GUTTER BUDDY TO PRECLUDE SEDIMENT LADEN RUNOFF FROM FLOWING UNDERNEATH INLET PROTECTION. KHA DOTAZO4NROD1

CONCRETE DRAINAGE CHANNEL DETAIL

08/13 | 15 | SD-18



- 1. DURING CONSTRUCTION AND DEMOLITION WHERE HOT WORK, MATERIALS SUBJECT TO SPONTANEOUS COMBUSTION, OR OTHER HAZARDOUS CONSTRUCTION OR DEMOLITION IS OCCURRING, THE OWNER OF THEIR DESIGNEE SHALL BE RESPONSIBLE FOR MAINTAINING A FIRE WATCH. THE FIRE WATCH SHALL CONSIST OF AT LEAST ONE PERSON WITH A MEANS OF COMMUNICATING AN ALARM TO 911, SHALL HAVE A WRITTEN ADDRESS POSTED IN A CONSPICUOUS LOCATION, AND SHALL MAINTAIN CONSTANT PATROLS. 2018 NCFC SECTION 3304 5
- 2. WHEN REQUIRED; AN APPROVED WATER SUPPLY FOR FIRE PROTECTION, EITHER TEMPORARY OR PERMANENT, SHALL BE MADE AVAILABLE AS SOON AS COMBUSTIBLE MATERIAL ARRIVES ON THE SITE. 2018 NCFC 3312.
- WHERE REQUIRED; WHERE ACCESS TO OR WITHIN A STRUCTURE OR AN AREA IS RESTRICTED BECAUSE OF SECURED OPENINGS OR WHERE IMMEDIATE ACCESS IS NECESSARY FOR LIFE—SAVING OR FIRE—FIGHTING PURPOSES, THE FIRE CODE OFFICIAL IS AUTHORIZED TO REQUIRE A KEY BOX TO BE INSTALLED IN AN APPROVED LOCATION. THE KEY BOX SHALL BE OF AN APPROVED TYPE LISTED IN ACCORDANCE WITH UL 1037, AND SHALL CONTAIN KEYS NECESSARY TO ACCESS AS REQUIRED BY THE FIRE CODE OFFICIAL. 2018 NCFC 506.1.
- 4. NEW AND EXISTING BUILDINGS SHALL BE PROVIDED WITH APPROVED ADDRESS IDENTIFICATION. THE ADDRESS IDENTIFICATION SHALL BE PROVIDED WITH APPROVED ADDRESS IDENTIFICATION. THE ADDRESS IDENTIFICATION SHALL BE LEGIBLE AND PLACED IN A POSITION THAT IS VISIBLE FROM THE STREET OR ROAD FRONTING THE PROPERTY. ADDRESS IDENTIFICATION CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND. ADDRESS NUMBERS SHALL BE ARABIC NUMBERS OR ALPHABETICAL LETTERS. NUMBERS SHALL NOT BE SPELLED OUT. EACH CHARACTER SHALL BE NOT LESS THAN 6" (153MM) HIGH WITH A MINIMUM STROKE WIDTH OF ¾ INCH (20MM). WHERE REQUIRED BY THE FIRE CODE OFFICIAL, ADDRESS IDENTIFICATION SHALL BE PROVIDED IN ADDITIONAL APPROVED LOCATIONS TO FACILITATE EMERGENCY RESPONSE. WHERE ACCESS IS BY MEANS OF A PRIVATE ROAD AND THE BUILDING CANNOT BE VIEWED FROM THE PUBLIC WAY, A MONUMENT, POLE, OR OTHER SIGN OR MEANS SHALL BE USED TO IDENTIFY THE STRUCTURE. ADDRESS IDENTIFICATION SHALL BE MAINTAINED. 2018 NCFC 505.1
- FIRE APPARATUS ACCESS ROADS SHALL NOT BE OBSTURCTED IN ANY MANNER, INCLUDING THE PARKING OF VEHICLES. THE MINIMUM WIDTHS AND CLEARANCES ESTABLISHED IN SECTIONS 503.2.1 AND 503.2.2 SHALL BE MAINTATNED AT ALL TIMES. 2018 NCFC 503.4.
- 6. FENCING AROUND PROJECTS SHALL INCLUDE ACCESS GATES WITH A 20 FOOT SWING OR SLIDE MOTION. ANY AREAS WHICH WILL BE INACCESSIBLE FOR FIREFIGHTING OR RESCUE OPERATIONS SHALL BE NOTED. EMERGENCY ACCESS DESIGNATION FOR APPARATUS SHALL BE PROVIDED. 2018 NCFC SECTION 503, APPENDIX D.

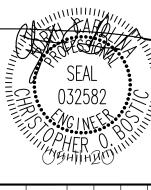
Know what's below.
Call before you dig.

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF CHAPEL HILL AND/OR NCDOT STANDARDS AND SPECIFICATIONS.

SURVEY NOTE:

EXISTING INFORMATION TAKEN FROM SURVEY BY J. HENRY WALKER III, 1115-D LITTLE ST. P.O. BOX 1295 CAMDEN, SC 29021. PHONE: 803-425-0702 AND DATED NOVEMBER 4, 2014 AND TAKEN FROM PEPBOYS AUTO PLANS BY GENESIS NORTH CAROLINA, LLP, 1330 LADY ST., SUITE 405, COLUMBIA, SC 29201. PHONE: 803-744-4500 AND DATED JUNE 4, 2013.

© 2019 KIMLEY—HORN AND ASS 421 FAYETTEVILLE STREET, SUITE 600, PHONE: 919—677—2000 FAX: 9 www.kimley—Horn.c



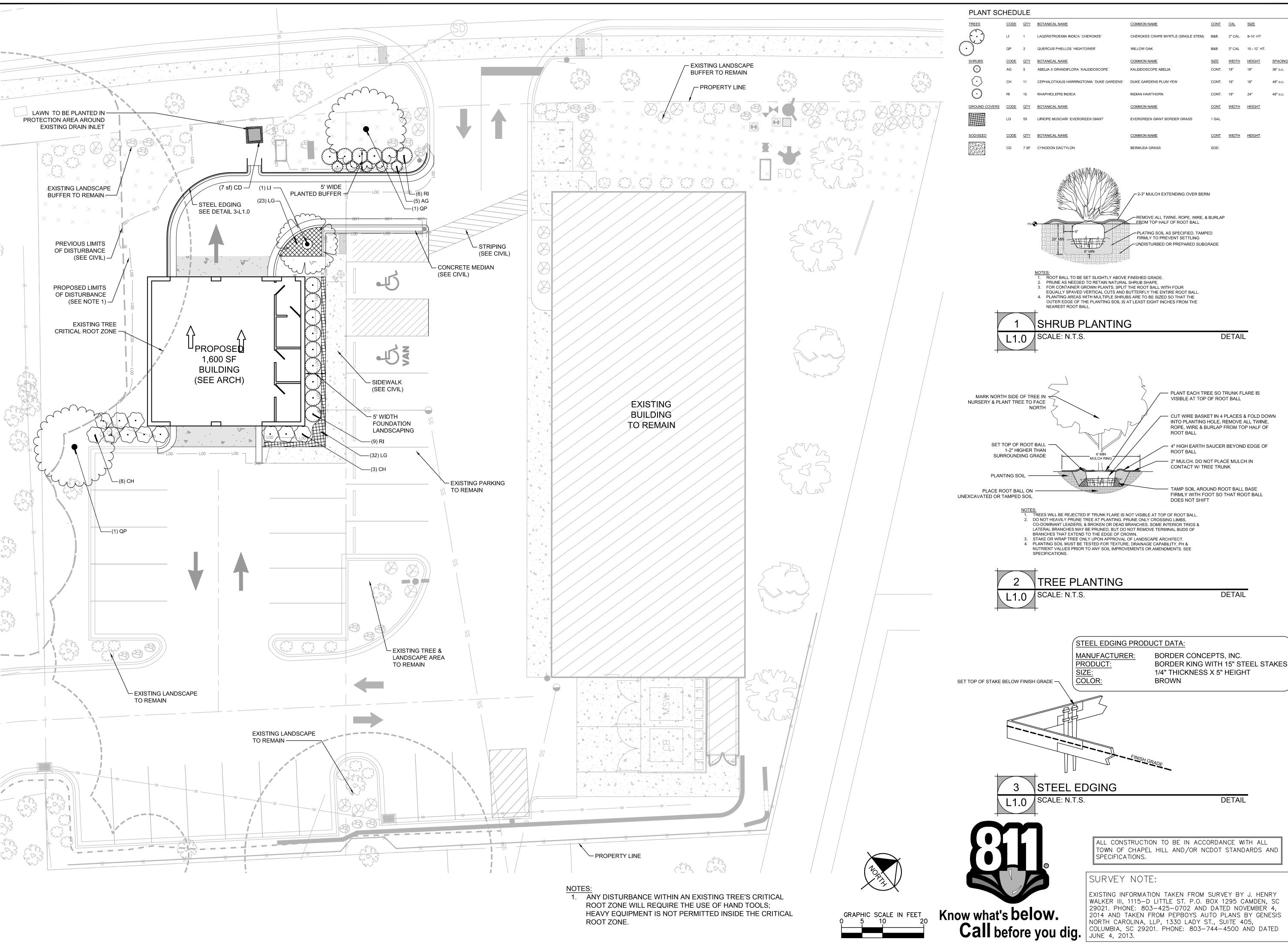
SCALE AS SHOWN
DESIGNED BY WWH
DRAWN BY WWH

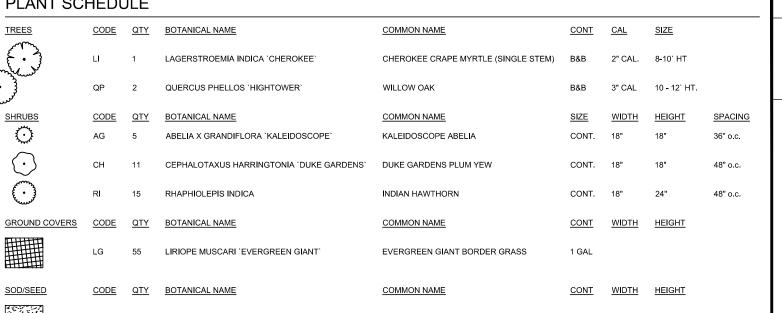
GING, PARKING, STORAGE AND

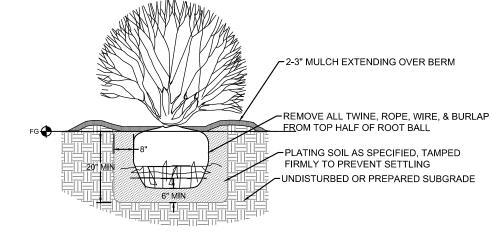
HILL
EPARED FOR
LVOLINE

HILL PREPARED FOR VALVOLIN

SHEET NUMBER C8.0

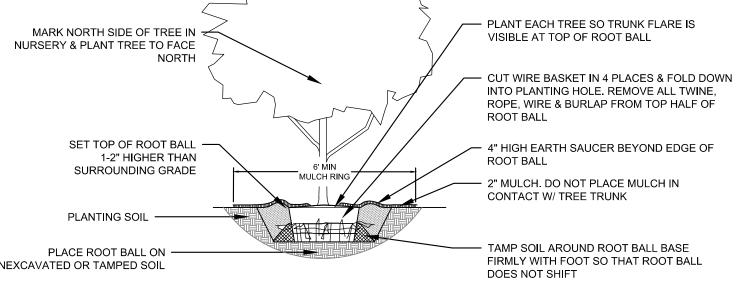






EQUALLY SPAVED VERTICAL CUTS AND BUTTERFLY THE ENTIRE ROOT BALL. 4. PLANTING AREAS WITH MULTIPLE SHRUBS ARE TO BE SIZED SO THAT THE OUTER EDGE OF THE PLANTING SOIL IS AT LEAST EIGHT INCHES FROM THE

**DETAIL** 



NOTES:

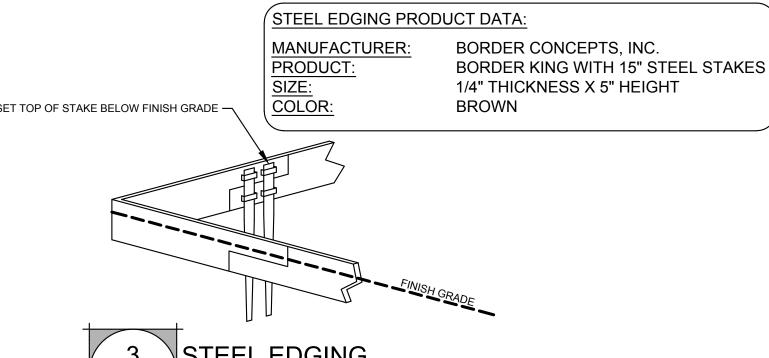
1. TREES WILL BE REJECTED IF TRUNK FLARE IS NOT VISIBLE AT TOP OF ROOT BALL.

1. TREES WILL BE REJECTED IF TRUNK FLARE IS NOT VISIBLE AT TOP OF ROOT BALL. 2. DO NOT HEAVILY PRUNE TREE AT PLANTING. PRUNE ONLY CROSSING LIMBS, CO-DOMINANT LEADERS, & BROKEN OR DEAD BRANCHES. SOME INTERIOR TRIGS & LATERAL BRANCHES MAY BE PRUNED, BUT DO NOT REMOVE TERMINAL BUDS OF BRANCHES THAT EXTEND TO THE EDGE OF CROWN.

3. STAKE OR WRAP TREE ONLY UPON APPROVAL OF LANDSCAPE ARCHITECT.

4. PLANTING SOIL MUST BE TESTED FOR TEXTURE, DRAINAGE CAPABILITY, PH & NUTRIENT VALUES PRIOR TO ANY SOIL IMPROVEMENTS OR AMENDMENTS. SEE

DETAIL

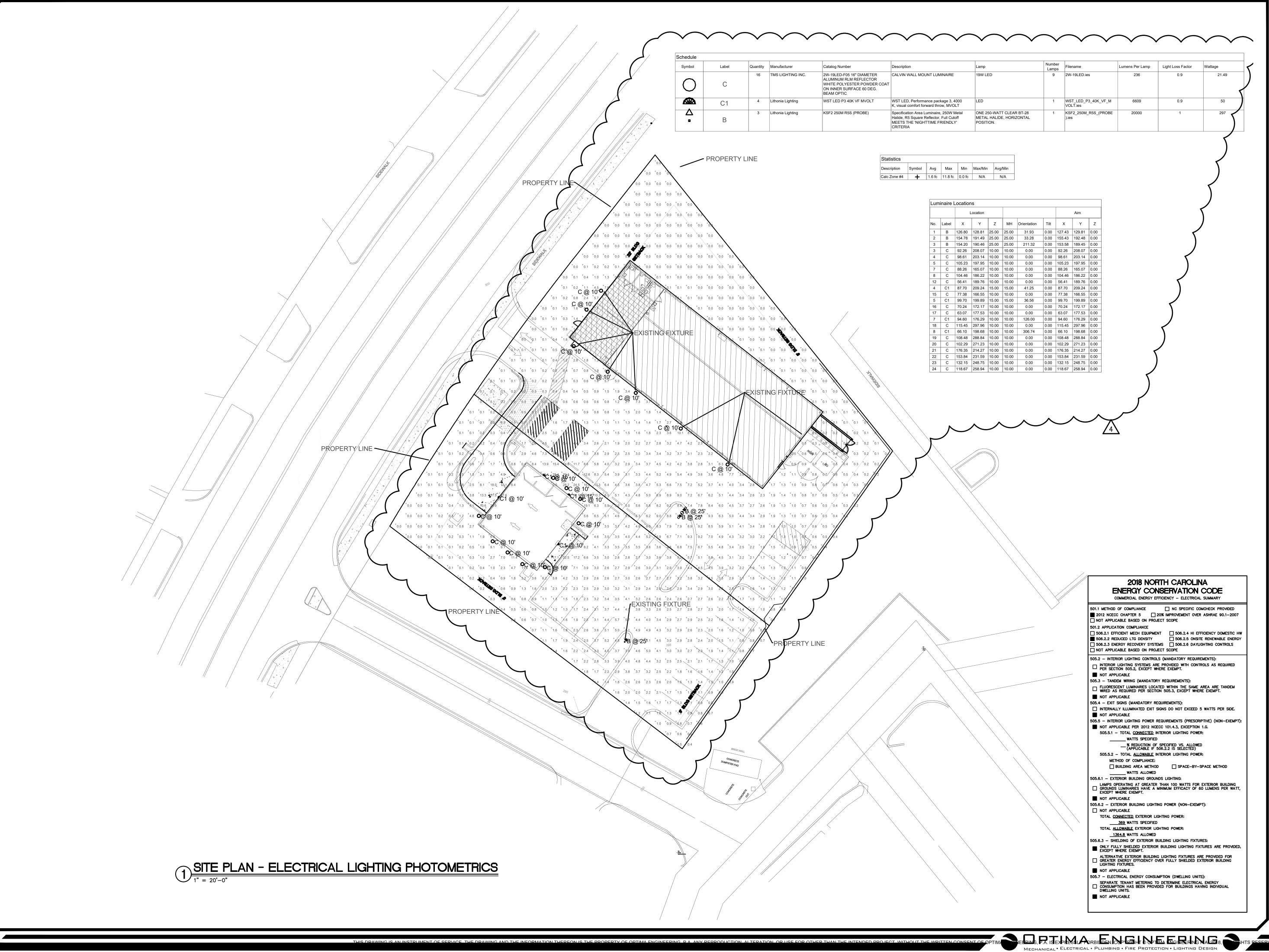


DETAIL

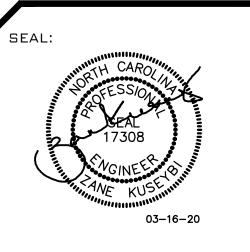
ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF CHAPEL HILL AND/OR NCDOT STANDARDS AND

ANDSCA

SHEET NUMBER L1.0



engineering
1927 SOUTH TRYON STREET SUITE 3
CHARLOTTE, NC 28203
V: 704-338-1292 • F: 704-338-99'
WWW.OPTIMAPA.COM
ORTH CAROLINA LICENSE NUMBER C-0'



] | LS 7

REV # DATE DESCRIPTION

1 12-19-19 REVIEWER'S COMMENT

3 01-24-20 BUILDING LOCATION

4 03-16-20 PHOTOMETRICS REV

DATE: 01-15-20
PROJECT #: 19-0403
DRAWN BY: HM
DESIGNED BY: HM
CHECKED BY: ZK

SHEET TITLE:

SITE PLAN 
ELECTRICAL

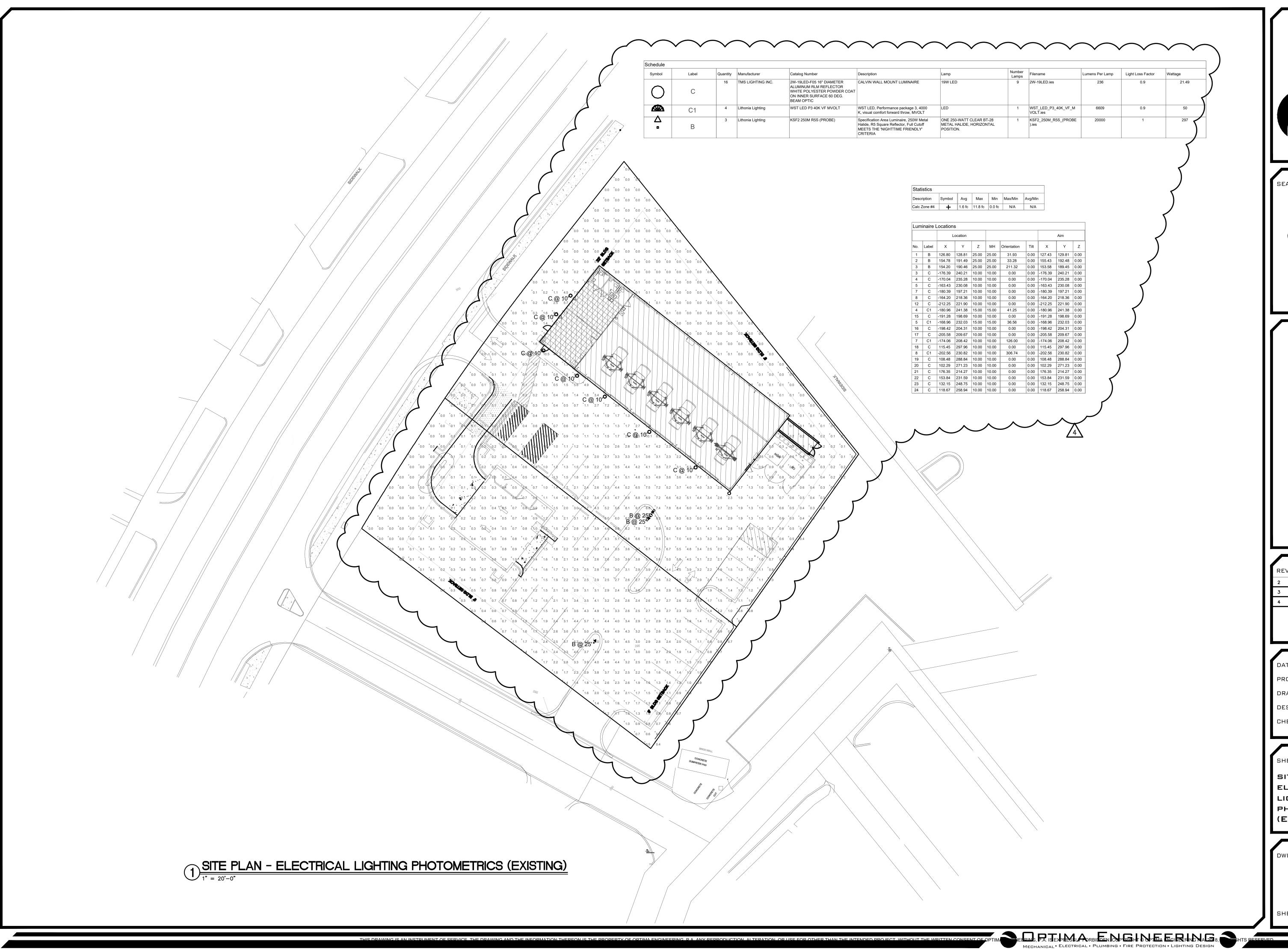
LIGHTING

PHOTOMETRICS

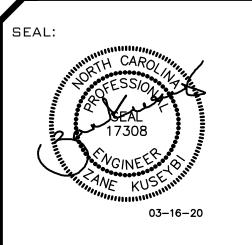
DWG #:

ES-1

SHEET NO: 1 OF 3







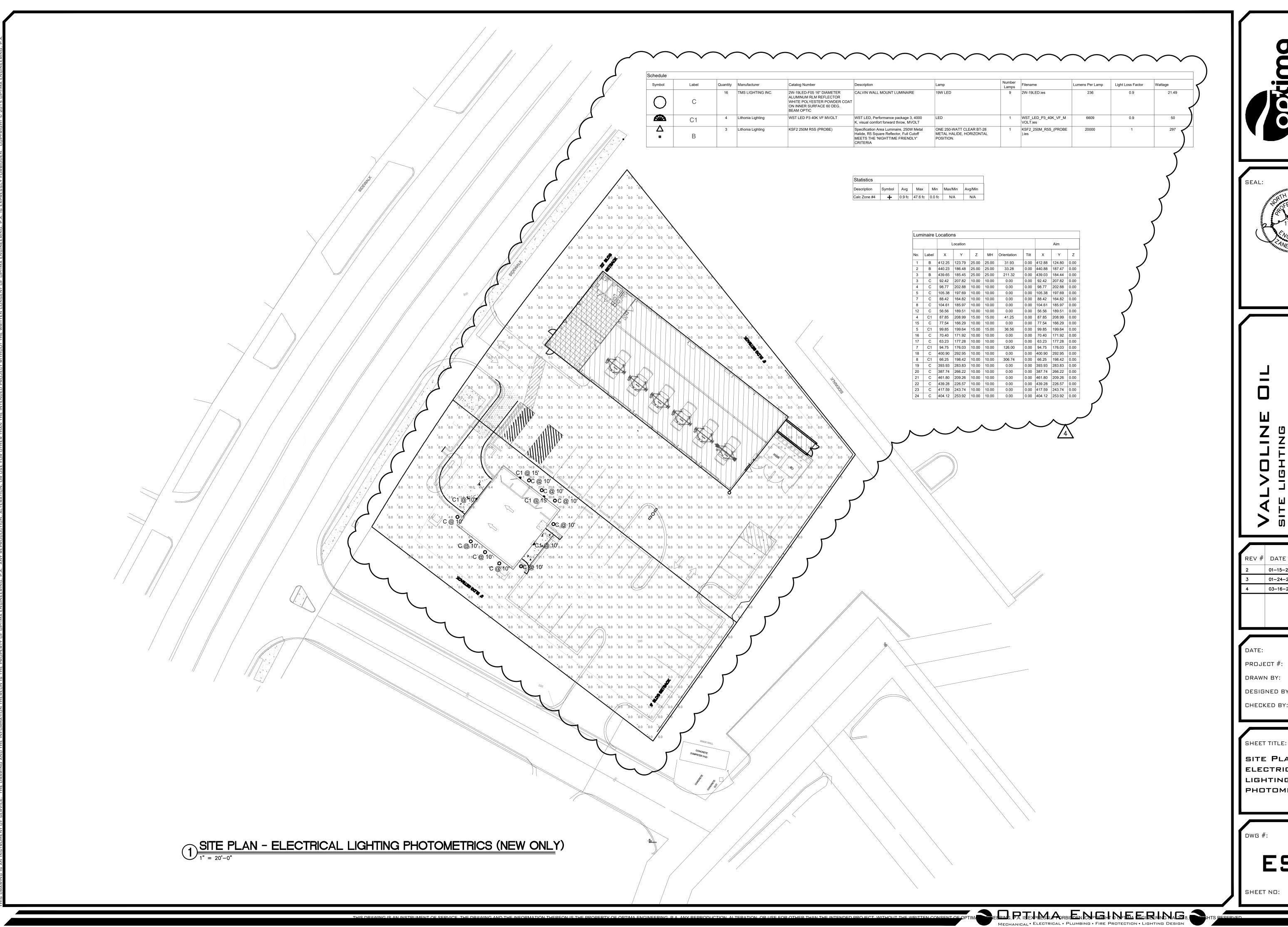
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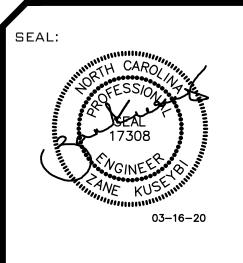
REV #	DATE	DESCRIPTION
2	01-15-20	REVIEWER'S COMMENT
3	01-24-20	BUILDING LOCATION
4	03-16-20	PHOTOMETRICS REV
	3	2 01–15–20 3 01–24–20

1	DATE:	01-15-20
	PROJECT #:	19-0403
	DRAWN BY:	нм
I	DESIGNED BY:	нм
	CHECKED BY:	zĸ

SITE PLAN -ELECTRICAL LIGHTING PHOTOMETRICS (EXISTING)

SHEET NO: 2 OF 3





REV # DATE DESCRIPTION

01-15-20 REVIEWER'S COMMENT 01-24-20 BUILDING LOCATION 03-16-20 PHOTOMETRICS REV

01-15-20 19-0403 PROJECT#: DRAWN BY: DESIGNED BY: CHECKED BY:

SITE PLAN -ELECTRICAL LIGHTING PHOTOMETRICS

SHEET NO: 3 OF 3



# FRONT (EAST FRANKLIN) ELEVATION

SCALE: 1" = 10'-0"



### **REAR ELEVATION**

SCALE: 1" = 10'-0"

Quality Automotive Serv 8000 Tower Point Dr Charlotte, NC 28227 704 226 1900 - office 704 254 7242 - mobile thelms@ncvioc.com

Document Date:

September 9, 2019

November 9, 2019

November 13, 2019

- sign calculations

- total building height dim
December 20, 2019

- add building envelope
January 22, 2020

- updated site plan

- update brick selections
March 16, 2020

- change building design to
mimic the adjacent Pep Boys

VALVOLINE INSTANT OIL AT CHAPEL HILL 1510 E Franklin St. Chapel Hill, NC

elevations



SCALE: 1/8" = 1'-0"



Valvoline

Quality Automotive Services, Inc. 8000 Tower Point Dr Charlotte, NC 28227 704 226 1900 - office 704 254 7242 - mobile thelms@ncvioc.com

Document Date: September 9, 2019

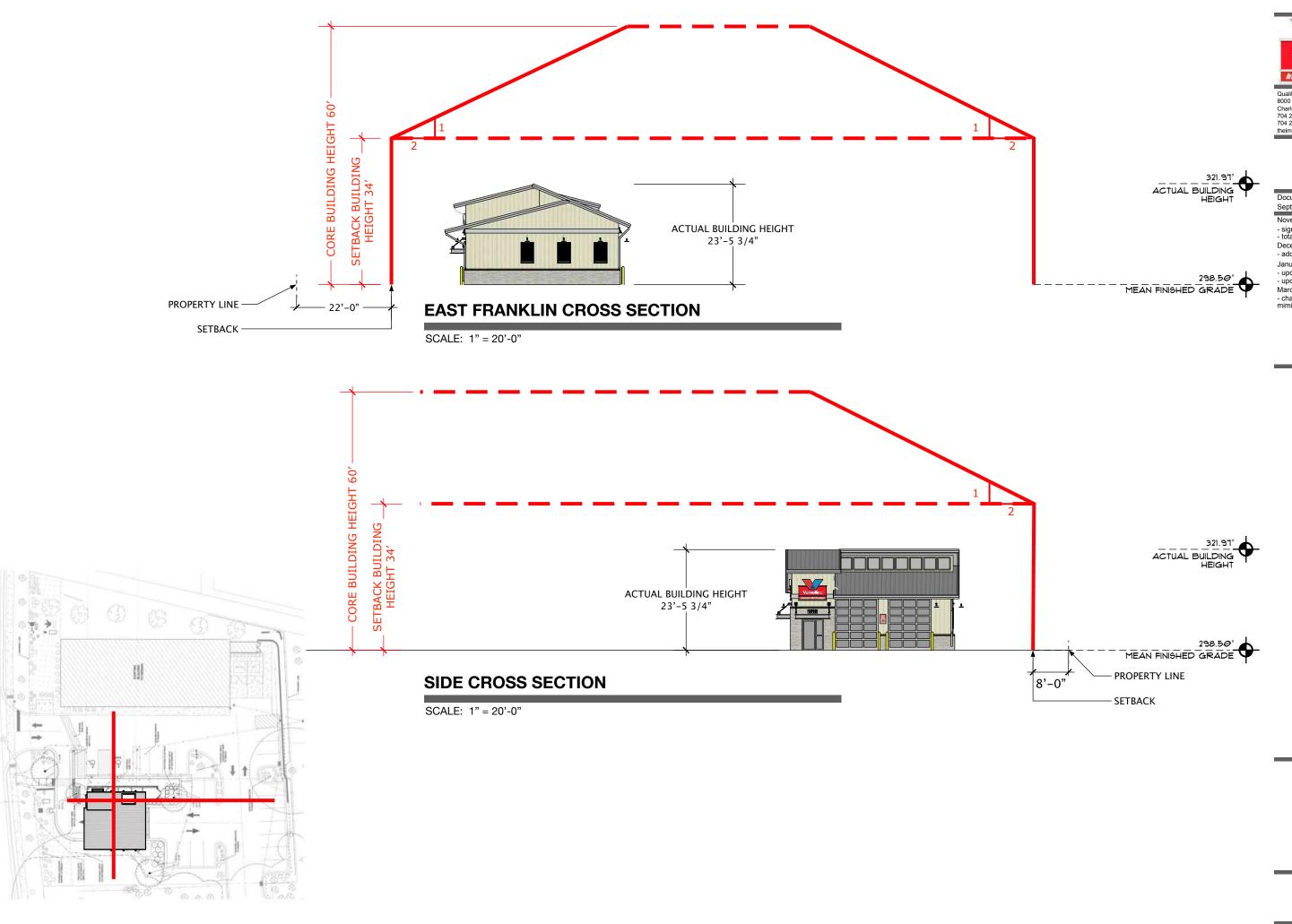
November 13, 2019 sign calculationstotal building height dim

- December 20, 2019 - add building envelope
- January 22, 2020
- updated site planupdate brick selections
- March 16, 2020

- change building design to mimic the adjacent Pep Boys

VALVOLINE INSTANT OIL AT CHAPEL 1510 E Franklin St. Chapel Hill, NC

elevations finishes



Valvoline
Instant Oil Change

Quality Automotive Services, Inc. 8000 Tower Point Dr Charlotte, NC 28227 704 226 1900 - office 704 254 7242 - mobile theIms@ncvioc.com

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> VALVOLINE INSTANT OIL AT CHAPEL HILL 1510 E Franklin St. Chapel Hill, NC

building envelope



### **FIRST SUBMITTAL (FRONT)**

SCALE: 1/8" = 1'-0"



## **CURRENT SUBMITTAL (FRONT)**

SCALE: 1/8" = 1'-0"



### **ADJACENT PEP BOYS BUILDING**

### CURRENT DESIGN CHANGES:

- Modify overall appearance to avoid recent prototypical design
- Add roof lines, colors, lighting and storey windows to compliment the adjacent structure
- Reduce building height and lower signage
- Reduce the building size as required by recent planning requirements



Quality Automotive Services, Inc. 8000 Tower Point Dr Charlotte, NC 28227 704 226 1900 - office 704 254 7242 - mobile thelms@ncvioc.com

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current design changes

