

NOTES

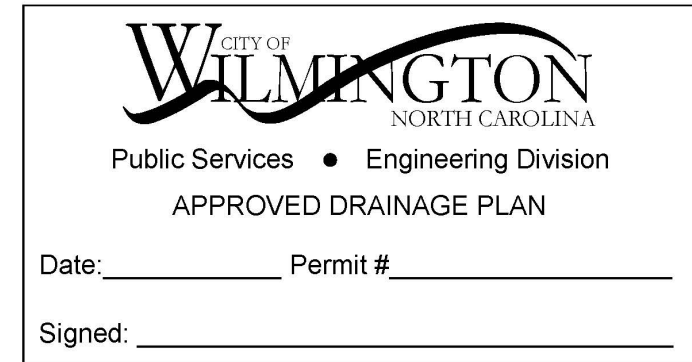
1. PRIOR TO ANY CLEARING, GRADING OR CONSTRUCTION ACTIVITY, TREE PROTECTION FENCING (IF REQUIRED) WILL BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES AND NO CONSTRUCTION WORKERS, TOOLS, MATERIALS, OR VEHICLES ARE PERMITTED WITHIN THE TREE PROTECTION.
2. ANY TREES AND/OR AREAS DESIGNATED TO BE PROTECTED MUST BE PROPERLY BARRICADED WITH FENCING AND PROTECTED THROUGHOUT CONSTRUCTION TO INSURE THAT NO CLEARING, GRADING OR STAGING OF MATERIALS OCCUR IN THOSE AREAS.
3. NO EQUIPMENT IS ALLOWED ON SITE UNTIL ALL TREE PROTECTION FENCING AND SILT FENCING IS INSTALLED AND APPROVED. PROTECTIVE FENCING IS TO BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT, AND CONTRACTORS SHALL RECEIVE ADEQUATE INSTRUCTION ON TREE PROTECTION METHODS.
4. ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS OF WAY AND FOR DRIVEWAY ARE TO BE THERMO PLASTIC AND MEET CITY AND/OR NCDOT STANDARDS.
5. 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 SIGN NAMES.
6. TRAFFIC CONTROL DEVICES (INCLUDING SIGNS AND PAVEMENT MARKINGS) IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD STANDARDS AND BE MAINTAINED BY THE OWNER.
7. CONTACT TRAFFIC ENGINEERING AT 910-341-7888 TO ENSURE THAT ALL TRAFFIC SIGNAL FACILITIES AND EQUIPMENT ARE SHOWN ON THE PLAN.
8. CONTACT 811 PRIOR TO CONTACTING CITY OF WILMINGTON, TRAFFIC ENGINEERING REGARDING THE UTILITIES IN THE ROW.
9. TRAFFIC ENGINEERING MUST APPROVE OF PAVEMENT MARKING PRIOR TO ACTUAL STRIPING.
10. ALL PARKING STALL MARKINGS AND LANE ARROWS WITHIN PARKING AREAS SHALL BE WHITE. ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS OF WAY FOR DRIVEWAY ARE TO BE THERMO PLASTIC AND MEET CITY AND/OR NCDOT STANDARDS.
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 WHEEL CHAIR RAMPS.
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 341-7888 TO DISCUSS STREET LIGHTING OPTIONS.
17. WATER AND SEWER SERVICE SHALL MEET CAPE FEAR PUBLIC UTILITY AUTHORITY DETAILS AND SPECIFICATIONS.
18. PROJECT SHALL COMPLY WITH CFPWA CROSS CONNECTION CONTROL REQUIREMENTS. WATER METERS CANNOT BE RELEASED UNTIL ALL REQUIREMENTS ARE MET AND THE STATE HAS GIVEN THEIR FINAL APPROVAL.
19. IF THE CONTRACTOR DESIRES CFPWA WATER FOR CONSTRUCTION HE SHALL APPLY IN ADVANCE FOR THIS SERVICE AND MUST SUPPLY A RPZ BACKFLOW PREVENTION DEVICE ON THE DEVELOPER'S SIDE OF THE WATER METER BOX.
20. ANY IRRIGATION SYSTEM SUPPLIED BY CFPWA SHALL COMPLY WITH THE CFPWA CROSS CONNECTION REGULATIONS.
21. ANY IRRIGATION SYSTEM SHALL BE EQUIPPED WITH A RAIN AND FREEZE SENSOR.
22. ANY BACKFLOW PREVENTION DEVICES REQUIRED BY THE CFPWA WILL NEED TO BE ON THE LIST OF APPROVED DEVICES BY USFCOCHR.
23. CONTRACTOR TO FIELD VERIFY EXISTING WATER AND SEWER LOCATIONS, SIZES AND MATERIALS PRIOR TO CONSTRUCTION. ENGINEER TO BE NOTIFIED OF CONFLICTS.
24. AN ALL WEATHER DRIVING SURFACE FOR EMERGENCY VEHICLES MUST BE MAINTAINED DURING CONSTRUCTION.
25. UNDERGROUND FIRE LINE(S) MUST BE PERMITTED AND INSPECTED BY THE WILMINGTON FIRE DEPARTMENT FROM THE PUBLIC ROW 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 (TEN) FEET ABOVE THE GROUND WITHIN THE TRIANGLE SIGHT DISTANCE.
27. CONTRACTOR IS TO NOTIFY (AT A MINIMUM) THE FOLLOWING COMPANIES FOR LOCATION SERVICES:
 ULOCO1-800-632-4949, 48 HOURS IN ADVANCE
 BELL SOUTH.....1-800-392-8712 (STEVE DAYVAULT)
 CAROLINA ONE CALL CENTER 1-800-632-4949
28. THERE SHALL BE NO ENCUMBRANCES WITHIN THE NCDOT RIGHT OF WAY.
29. A LANDSCAPING PLAN INDICATING THE LOCATION OF REQUIRED STREET TREES SHALL BE SUBMITTED TO THE CITY OF WILMINGTON TRAFFIC ENGINEERING DIVISION AND PARKS AND RECREATION DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO THE RECORDING OF THE FINAL PLAT (SD 15-14 CofW TECH STDS)
30. FIRE HYDRANTS CANNOT BE FURTHER THAN 6' FROM THE CURB.
31. PARKING AND LANDSCAPING CANNOT BLOCK FIRE HYDRANTS OR FDC'S
32. FDC'S CAN BE NO FURTHER THAN 40' FROM FIRE DEPARTMENT VEHICLE PLACEMENT
33. FDC'S CAN BE NO FURTHER THAN 150' FROM A FIRE HYDRANT
34. BICYCLE PARKING IS PROVIDED ON SITE
35. CONTRACTOR SHALL SUBMITT A RADIO SIGNAL STRENGTH STUDY THAT DEMONSTRATES THAT EXISTING EMERGENCY RESPONDER RADIO SIGNAL LEVELS MEET THE REQUIREMENTS OF SECTION 510 OF THE 2018 NC FIRE CODE.
36. LANDSCAPING OR PARKING CANNOT BLOCK OR IMPEDE THE FDC OR FIRE HYDRANTS. A 3-FOOT CLEAR SPACE SHALL BE MAINTAINED AROUND THE CIRCUMFERENCE OF THE HYDRANT AND FDC.
37. ADDITIONAL FIRE PROTECTION AND ACCESSIBILITY REQUIREMENTS MAY BE REQUIRED DUE TO ANY SPECIAL CIRCUMSTANCES CONCERNING THE PROJECT.

SITE CONSTRUCTION PLANS

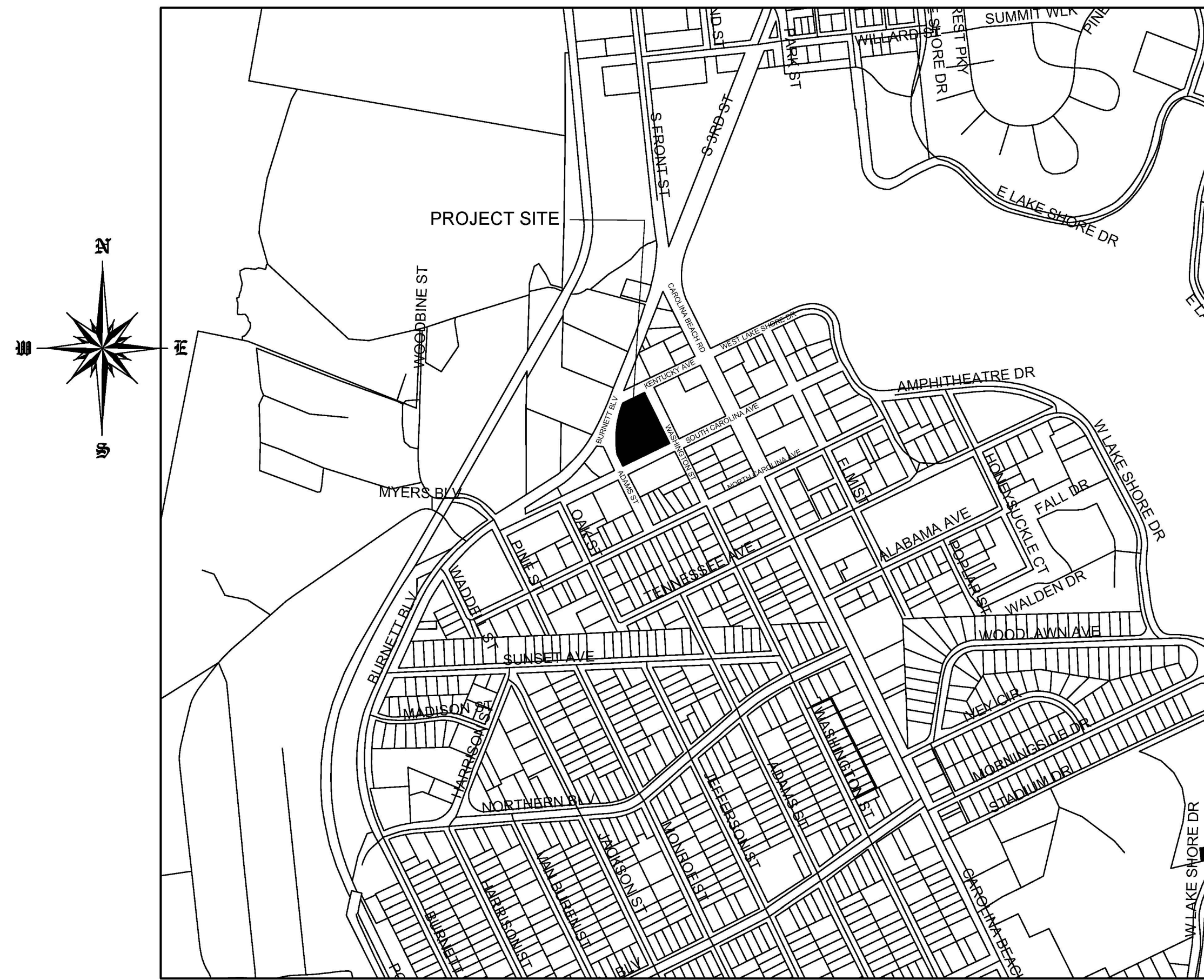
DRAM TREE TAVERN

1805 WASHINGTON STREET
WILMINGTON, NC 28401

Approved Construction Plan
Date: 6/16/20
2020008
SW Permit #: 2020019
PO, TB, BM, MB, CW



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



SCALE 1" = 600'
VICINITY MAP
FEBRUARY, 2020

LIST OF DRAWINGS

XX	COVER SHEET
C1	SITE PLAN
C2	GRADING, DRAINAGE & EROSION CONTROL
C3	LANDSCAPE PLAN
C4	DETAILS
XX	TREE SURVEY

OWNER/DEVELOPER
CARTIER CONSTRUCTION, INC.
MR. WALT CARTIER
PO BOX 980
WRIGHTSVILLE BEACH, NC 28480
1-910-616-5171

CIVIL ENGINEER
JBS CONSULTING, PA
BRAD SEDGWICK, PE
7332 COTESWORTH DRIVE
WILMINGTON, NC 28405
1-910-619-9990

SURVEYOR
PROGRESSIVE LAND DEVELOPMENT
CONSULTANTS, PLLC
SCOTT BAGGINE, PLS
112 PALM BREEZE DRIVE
CAROLINA BEACH, NC 28428
1-910-707-0168

R4	6/2/20	ADDRESSED ENGINEERING COMMENTS - 6/2/20
R3	5/29/20	ADDRESSED TRC 5/29/20 COMMENTS
R2	5/19/20	ADDRESSED TRC 5/7/20 COMMENTS
R1	2/28/2020	SUBMITTED FOR PRE-TRC CONSULTATION
NUMBER	DATE	REVISION



Approved Construction Plan

Date: 6/16/20
2020008

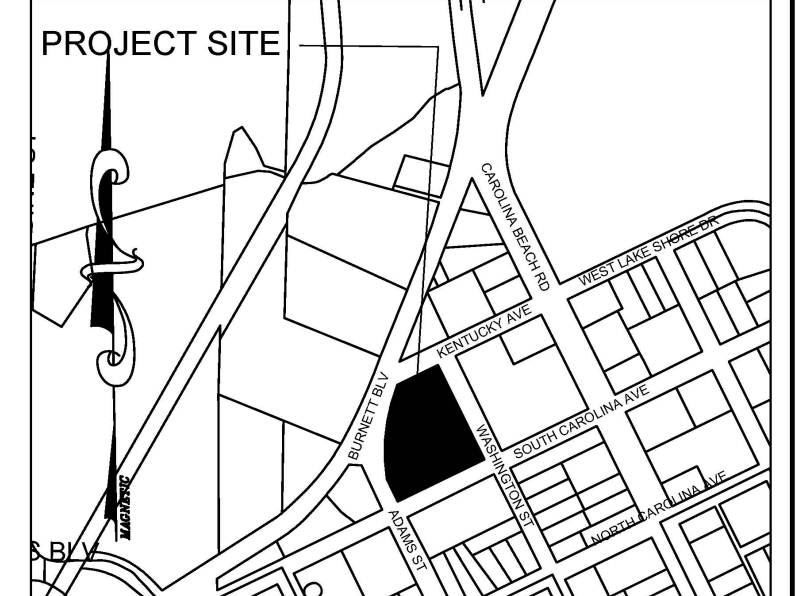
SW Permit #: 2020019
PO, TB, BM, MB, CW



Date: _____ Permit # _____
Signed: _____

SITE DATA

ADDRESS 1806 WASHINGTON STREET
WILMINGTON, NC
PARCEL ID NUMBERS R06005-006-001-000
DEED BOOK & PAGE D.B. 5972 PG. 1206
MAP BOOK & PAGE MB N/A PG. N/A
ZONING CS - COMMERCIAL SERVICES DISTRICT
CITY OF WILMINGTON
TOTAL LOT AREA 0.77 ACRES
CAMA LAND USE CLASSIFICATION .. URBAN
SOIL TYPES Bn - BAYMEADE/URBAN & URBAN LAND
CONSTRUCTION TYPE.....VB
OVERLAY DISTRICT - PROPERTY IS NOT IN A SPECIAL HIGHWAY OVERLAY DISTRICT
PROPOSED USE.....RESTAURANT
BUILDING COVERAGE 3313 / 33541 = 10%
ESTIMATED TRIP GENERATION
LAND USE CODE - 925 DRINKING PLACE
7-9 AM PEAK = 0
4-6 PM PEAK 12 TRIPS /1000 SF x 3313 SF OF BUILDING = 40 TRIPS



VICINITY MAP
SCALE: 1" = 600'

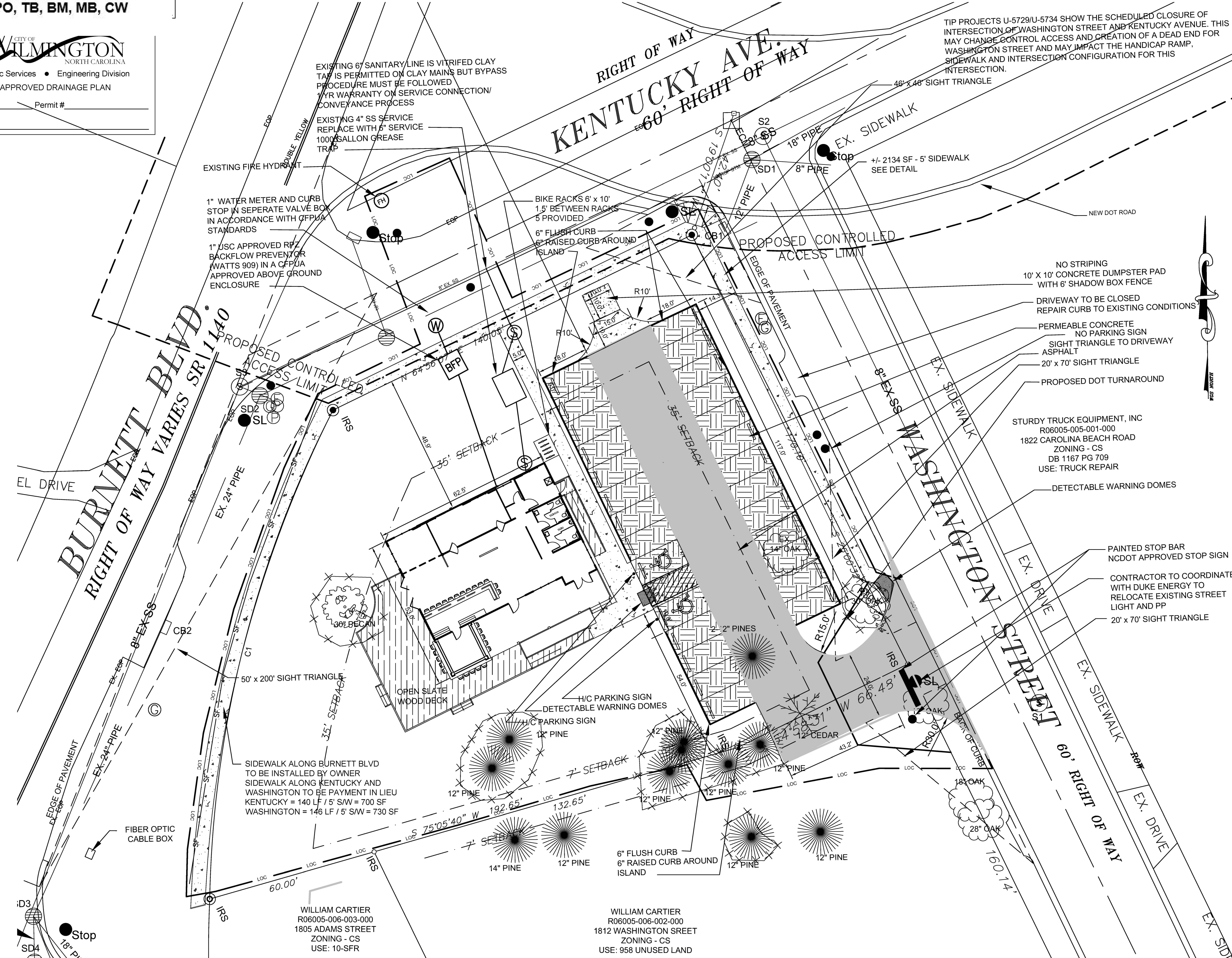
LEGEND

ASPHALT	[Symbol]
STANDARD CONCRETE	[Symbol]
PERMEABLE CONCRETE	[Symbol]
EXISTING CONTOUR	[Symbol]
PROPOSED SPOT ELEVATION	10.00
WAVE STYLE BIKE RACK 5 BIKE SPOTS EACH	[Symbol]
TREE PROTECTION FENCING SEE DETAIL	[Symbol]
LIMITS OF CONSTRUCTION	LOC
SILT FENCE	SF
STREET LIGHTING	SL

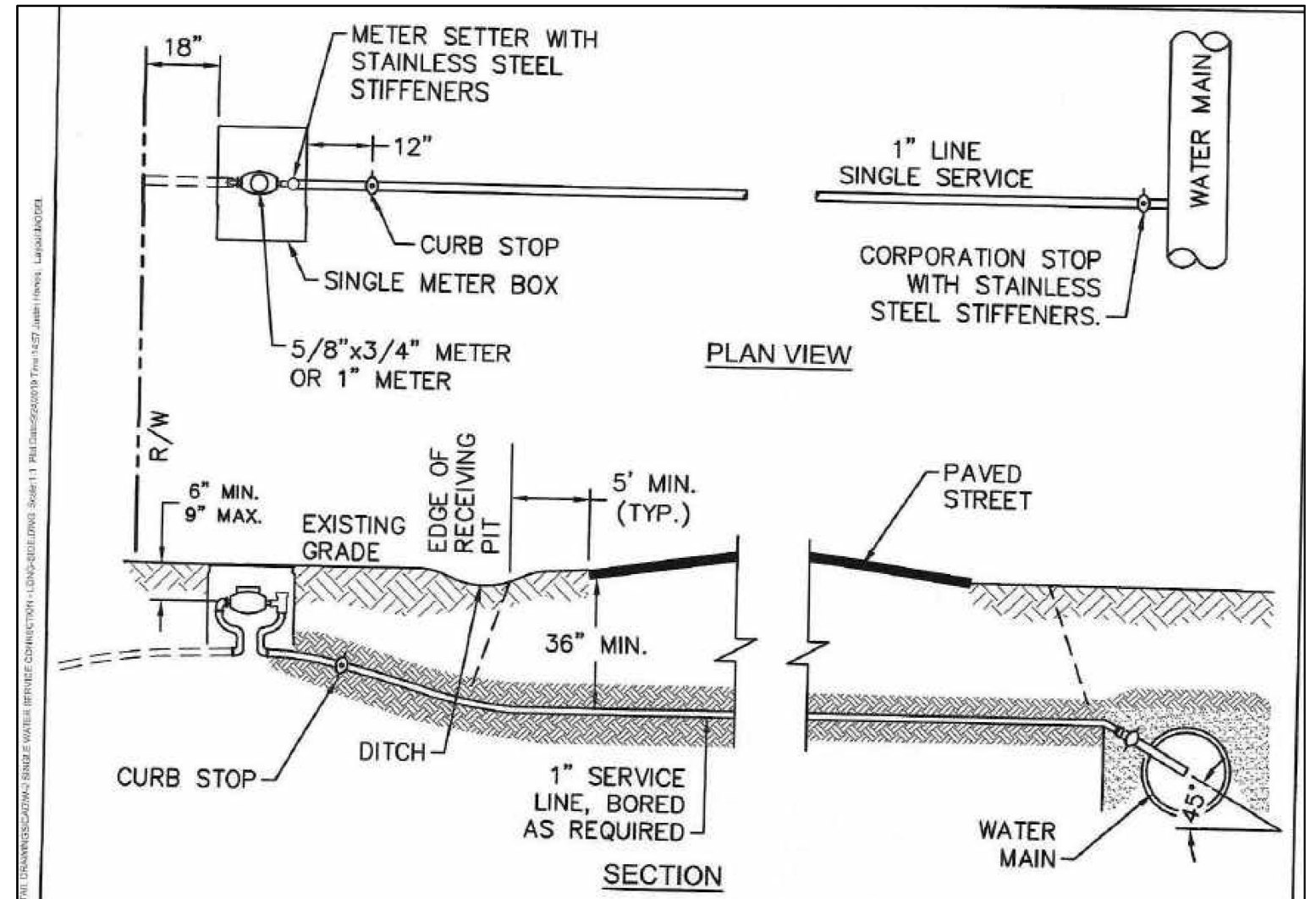
MIN. LOT AREA	REQUIRED	PROPOSED
7,500 SF <td>7,500 SF <td>84,302 SF </td></td>	7,500 SF <td>84,302 SF </td>	84,302 SF
65' <td>65' <td>137' </td></td>	65' <td>137' </td>	137'
N/A <td>N/A <td>2254' / 33,566 = 6.7% </td></td>	N/A <td>2254' / 33,566 = 6.7% </td>	2254' / 33,566 = 6.7%
35' <td>35' <td></td> </td>	35' <td></td>	
15' <td>35' <td></td> </td>	35' <td></td>	
N/A <td>35' <td></td> </td>	35' <td></td>	
35' <td>35' <td></td> </td>	35' <td></td>	
17' <td>17' <td></td> </td>	17' <td></td>	

ALTERNATE SURFACE - PERMEABLE CONCRETE 4,532 SF

PARKING REQUIREMENTS
RESTAURANT
MAXIMUM 1 SPACE PER 65 SF EXCLUSIVE OF RESTROOM AND KITCHEN
MINIMUM 1 SPACE PER 80 SF EXCLUSIVE OF RESTROOM AND KITCHEN
PROPOSED INSIDE = 1397 SF PROPOSED OUTSIDE = 1269 SF
TOTAL = 2666 SF
MINIMUM SPACES = 33 MAXIMUM SPACES = 41 SPACES
SPACES PROVIDED 25 + 2 H/C = 27 SPACES ONSITE
SOLID WASTE - DUMPSTER
UTILITY INFORMATION
WATER EXISTING USAGE 240 GPD
WATER USAGE PROPOSED 1520 GPD
SEWER USAGE - EXISTING 240 GPD
SEWER USAGE - PROPOSED 1520 GPD
LIMITS OF DISTURBANCE LIMITED TO 40,484 SF



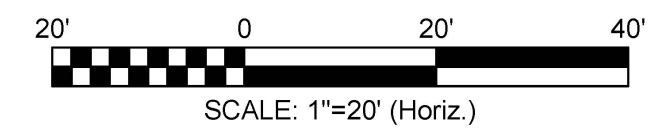
SITE PLAN
SCALE 1" = 20'



- NOTES:**
- NO JOINT SHALL BE INSTALLED BETWEEN THE MAIN SERVICE TAP AND THE METER STOP. ALL SERVICES SHALL BE INSTALLED PERPENDICULAR TO MAIN.
 - SERVICE SADDLES ON PVC MAINS SHALL BE WIDE BAND BRASS BODY.
 - METER BOXES SUBJECT TO TRAFFIC LOADS SHALL CONFORM TO ASTM A48, CLASS 30B AND AASHTO H20 LOAD RATING STANDARDS.
 - WATER SERVICE LINE SHALL BE PERPENDICULAR TO MAIN AND TERMINATE 18" WITHIN RIGHT-OF-WAY LINE.
 - WATER METER BOXES ARE TO BE A MINIMUM OF 5 FEET FROM THE PROPERTY CORNER.
 - SERVICE PIPING AND METER SETTER TO BE CENTERED IN THE METER BOX.

DETAIL: SINGLE WATER SERVICE CONNECTION - LONG-SIDE	SCALE: NOT TO SCALE	CFPUA DETAIL DATE: 01/01/20	CFPUA REV. NO: 2
CAPE FEAR PUBLIC UTILITY AUTHORITY 235 GOVERNMENT CENTER DRIVE WILMINGTON, NC 28403 OFFICE: (910) 352-6500	DETAIL NO: W-2	SHEET NO: -	

NUMBER	DATE	REVISION
R4	6/2/20	ADDRESSED ENGINEERING COMMENTS - 6/2/20
R3	5/29/20	ADDRESSED TRC 5/29/20 COMMENTS
R2	5/19/20	ADDRESSED TRC 5/19/20 COMMENTS
R1	2/29/20	SUBMITTED FOR PRE-TRC CONSULTATION



NO WETLAND WITHIN PROJECT AREA

DESIGN BY: BDS
DRAWN BY: BDS
CHECKED BY: BDS
DATE: FEBRUARY, 2020

SITE PLAN
UTILITY PLAN

CARTIER CONSTRUCTION, INC
WALT CARTIER
PO BOX 980
WRIGHTSVILLE BEACH, NC 28480

JBS CONSULTING, PA
7332 Cotesworth Drive
Wilmington, NC 28405
(910) 619-9990
License Number C-2525

PLANNING - ENGINEERING - PROJECT MANAGEMENT

SHEET: **C1** of 1

JOB NO: 109-003

Approved Construction Plan
 Date: 6/16/20
 # 2020008
 SW Permit #: 2020019
 PO, TB, BM, MB, CW



Date: _____ Permit # _____
 Signed: _____

SITE BENCHMARK
 TOP MONUMENT CASTING AT
 INTERSECTION OF
 WASHINGTON STREET AND
 KENTUCKY AVE.
 AT ELEV = 9.50'

GRADING NOTES

1. INITIATE EROSION CONTROL SEQUENCE BEFORE BEGINNING CLEARING, GRUBBING AND GRADING OPERATIONS.
2. CLEAR AREAS TO BE GRADED OF ALL VEGETATION. PROTECT VEGETATION BEYOND GRADING LIMITS.
3. STRIP TOPSOIL TO FULL DEPTH IN AREAS TO BE GRADED AND STOCKPILE.
4. COMPACT ALL FILL AREAS TO 95% OF MAXIMUM DENSITY.
5. ALL BANKS AND SWALE SIDE SLOPES SHALL BE GRADED WITH NO GREATER THAN 3:1 SLOPES.
6. ALL AREAS ARE TO BE GRADED SO THAT NO AREAS OF STANDING WATER OCCUR.
7. PROPOSED SPOT ELEVATIONS ARE SHOWN AT FINISHED GRADE.
8. OPERATOR SHALL FIELD VERIFY EXISTING TOPOGRAPHY IN RELATION TO THE PROPOSED GRADES TO ENSURE DRAINAGE IN THE DIRECTIONS INDICATED ON THE PLAN.

CONSTRUCTION SEQUENCE

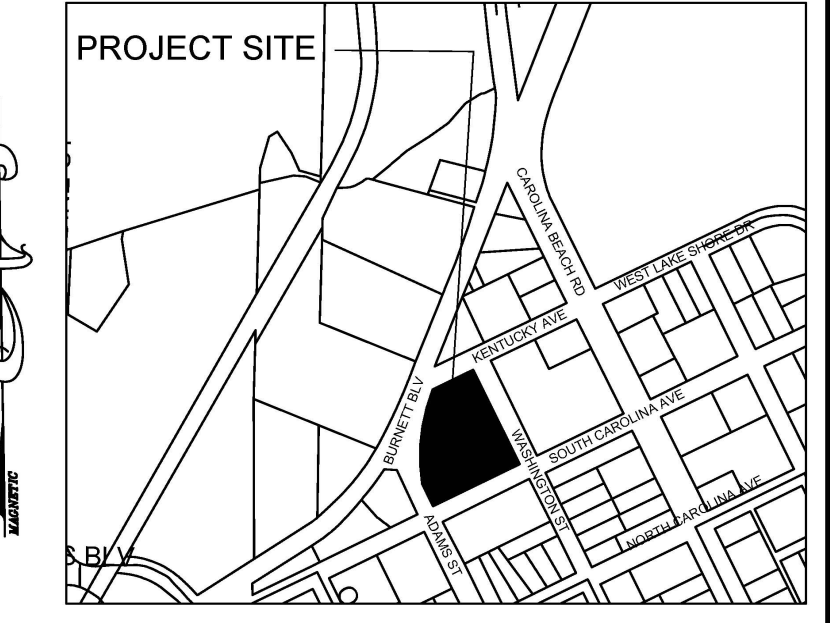
1. OBTAIN ALL NECESSARY PERMIT APPROVALS PRIOR TO ANY LAND DISTURBING ACTIVITY.
2. NO PRE-CONSTRUCTION MEETING WITH THE EROSION CONTROL INSPECTOR IS REQUIRED FOR THIS PROJECT.
3. INSTALL GRAVEL CONSTRUCTION ENTRANCE AND SILT FENCE. COMMENCE CLEARING AND ROUGH GRADING OPERATIONS TO ESTABLISH DIVERSION SWALES AND SEDIMENT TRAPS AND BASIN.
4. ROUGH GRADE SITE AND INSTALL UNDERGROUND UTILITIES.
5. PROVIDE TEMPORARY PROTECTION MEASURES AND DEVICES AS REQUIRED UNTIL UNDERGROUND UTILITIES AND PAVEMENT SECTION IS COMPLETE AND FINAL GRADES ARE STABILIZED WITH TEMPORARY VEGETATIVE COVER.
6. STABILIZE (FERTILIZE, SEED, AND MULCH) ALL DISTURBED AREAS AS SOON AS FINAL GRADES ARE ESTABLISHED.
7. ONCE CONSTRUCTION IS COMPLETE AND ALL DISTURBED AREAS ARE STABILIZED, REMOVE TEMPORARY EROSION CONTROL MEASURES.

EROSION CONTROL MAINTENANCE PLAN

1. ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF - PRODUCING RAINFALLS, BUT IN NO CASE LESS THAN ONCE EVERY WEEK. ANY NEEDED REPAIRS WILL BE MADE IMMEDIATELY TO MAINTAIN ALL PRACTICES AS DESIGNED.
2. INSPECT SEDIMENT TRAPS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL EVENT AND REPAIR IMMEDIATELY. REMOVE SEDIMENT, AND RESTORE THE TRAP TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH OF THE TRAP. PLACE THE SEDIMENT THAT IS REMOVED IN DESIGNATED DISPOSAL AREA, AND REPLACE THE PART OF THE GRAVEL FACING THAT IS IMPAIRED BY SEDIMENT.
3. SEDIMENT WILL BE REMOVED FROM BEHIND THE SEDIMENT FENCE WHEN IT BECOMES ABOUT 0.5 FEET DEEP AT THE FENCE. THE SEDIMENT FENCE WILL BE REPAIRED OR REPLACED AS NECESSARY TO MAINTAIN A BARRIER.
4. ALL AREAS WILL BE FERTILIZED, RESEED AS NECESSARY, AND MULCHED ACCORDING TO SPECIFICATIONS IN THE VEGETATIVE PLAN TO MAINTAIN A VIGOROUS, DENSE VEGETATIVE COVER.
5. GRAVEL CONSTRUCTION ENTRANCE TO BE CLEANED WHEN SEDIMENT ACCUMULATIONS ARE VISIBLE OR SEDIMENT IS DEPOSITED ON THE ASPHALT AND STONE WILL BE PERIODICALLY TOP DRESSED WITH 2 INCHES OF #4 STONE TO MAINTAIN 6 INCH DEPTH.
6. INSPECT INLETS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (3" OR GREATER) RAINFALL EVENT. CLEAR THE 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 STONE AS NEEDED.

EROSION CONTROL NOTES

1. THIS PROJECT DOES NOT QUALIFY FOR A NHC S&E PERMIT. REGARDLESS CONTRACTOR SHALL FOLLOW GOOD PRACTICE TECHNIQUES.
2. CONTRACTOR SHALL REMOVE ALL TREES AND VEGETATION WITHIN ROAD RIGHT OF WAYS UNLESS OTHERWISE DESIGNATED TO REMAIN.
3. CONTRACTOR SHALL RAKE AND REMOVE ROOTS, STUMPS, VEGETATION, DEBRIS, EXISTING STRUCTURES ABOVE AND BELOW GRADE, ORGANIC MATERIAL OR ANY OTHER UNSUITABLE MATERIAL WITH IN THE LIMITS OF CONSTRUCTION.
4. CONTRACTOR SHALL COORDINATE WITH OWNER AND THEIR GEOTECHNICAL REPRESENTATIVE TO COORDINATE REMOVAL OF ANY UNSUITABLE SOILS.
5. CLEARED, GRUBBED, STRIPPED OR OTHER WASTE MATERIALS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A PROPERLY PERMITTED FACILITY.
6. THE CONTRACTOR SHALL FURNISH ANY REQUIRED BORROW MATERIALS FROM A PROPERLY PERMITTED OFF-SITE FACILITY.
7. ALL GRADED SLOPES MUST BE SEEDED AND MULCHED WITHIN 21 CALENDAR DAYS OF COMPLETION OF GRADING. STABILIZE AREAS OTHER THAN SLOPES WITHIN 15 WORKING DAYS OR 90 CALENDAR DAYS, WHICHEVER IS SHORTER.
8. ADDITIONAL MEASURES TO CONTROL EROSION AND SEDIMENT MAY BE REQUIRED BY A REPRESENTATIVE OF THE COUNTY ENGINEERING DEPARTMENT.
9. SLOPES SHALL BE GRADED NO STEEPER THAN 3:1.
10. ADDITIONAL DEVICES MAY BE REQUIRED AS AGREED UPON BY THE FIELD INSPECTOR, ENGINEER, AND OWNER.
11. IF ACTIVE CONSTRUCTION CEASES IN ANY AREA FOR MORE THAN 15 CALENDAR DAYS, ALL DISTURBED AREAS MUST BE SEEDED, MULCHED, AND TACKED.

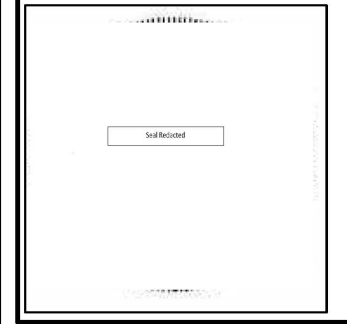


VICINITY MAP
 SCALE: 1" = 600'

DESIGN BY: BDS
 DRAWN BY: BDS
 CHECKED BY: BDS
 DATE: FEBRUARY, 2020

GRADING, DRAINAGE & EROSION CONTROL
 UTILITY PLAN
 DRAM TREE TAVERN
 1805 WASHINGTON STREET
 WILMINGTON, NC 28401

CARTIER CONSTRUCTION, INC
 WALT CARTIER
 PO BOX 980
 WRIGHTSVILLE BEACH, NC 28480



LEGEND

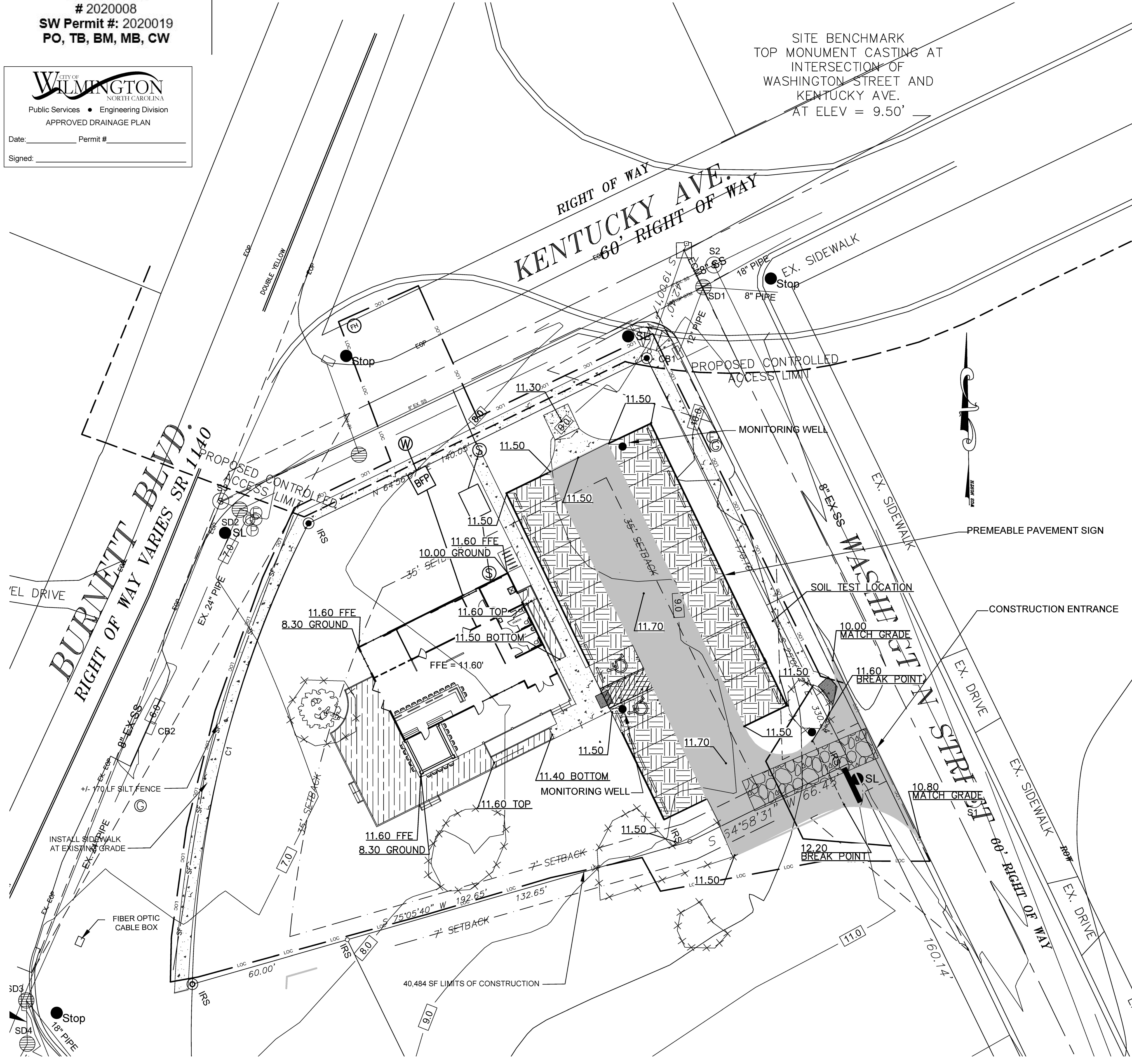
- ASPHALT
- STANDARD CONCRETE
- PERMEABLE CONCRETE
- EXISTING CONTOUR
- PROPOSED SPOT ELEVATION 10.00
- WAVE STYLE BIKE RACK 5 BIKE SPOTS EACH
- TREE PROTECTION FENCING SEE DETAIL
- LIMITS OF CONSTRUCTION LOC
- SILT FENCE SF
- STREET LIGHTING SL

LABEL	1) GROUND STABILIZATION	STABILIZATION TIME FRAME	STABILIZATION TIME FRAME EXCEPTIONS
[Symbol]	PERIMETER DITCHES AND SLOPES	7 DAYS	NONE
[Symbol]	HIGH QUALITY WATER (HOW) ZONES	7 DAYS	NONE
[Symbol]	SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1 14 DAYS ARE ALLOWED
[Symbol]	SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50 FEET IN LENGTH
[Symbol]	ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE (CHECK FOR PERIMETERS AND HOW ZONES)

- 2) BUILDING WASTES HANDLING
- NO PAINT OR LIQUID WASTES IN STREAM OF STORM DRAINS
 - DEDICATED AREAS FOR DEMOLITION, CONSTRUCTION AND OTHER WASTES MUST BE LOCATED 50' FROM STORM DRAINS AND STREAMS UNLESS NO REASONABLE ALTERNATIVES AVAILABLE
 - EARTHEN-MATERIALS STOCKPILES MUST BE LOCATED 50' FROM STORM DRAINS AND STREAMS UNLESS NO REASONABLE ALTERNATIVES AVAILABLE
 - CONCRETE MATERIALS MUST BE CONTROLLED TO AVOID CONTACT WITH SURFACE WATERS, WETLANDS, OR BUFFERS
- 3) INSPECTIONS
- SAME WEEKLY INSPECTION REQUIREMENTS
 - SAME RAIN GAUGE & INSPECTIONS AFTER 0.5" RAIN EVENT
 - INSPECTIONS ARE ONLY REQUIRED DURING "NORMAL BUSINESS HOURS"
 - INSPECTION REPORTS MUST BE AVAILABLE ON-SITE DURING BUSINESS HOURS UNLESS A SITE-SPECIFIC EXEMPTION IS APPROVED
 - RECORDS MUST BE KEPT FOR 3 YEARS AND AVAILABLE UPON REQUEST
 - ELECTRONICALLY-AVAILABLE RECORDS MAY BE SUBSTITUTES UNDER CERTAIN CONDITIONS
- 4) SEDIMENT BASINS
- OUTLET STRUCTURES MUST WITHDRAW FROM BASIN SURFACES UNLESS DRAINAGE AREA IS LESS THAN 1 ACRE
 - USE ONLY DWO-APPROVED FLOCCULANTS

NPDES - SPECIFIC PLAN SHEET NOTES

1. THIS PAGE IS SUBMITTED TO COMPLY WITH NPDES GENERAL STORMWATER PERMIT NC02010000.
2. THIS PAGE CAN BE APPROVED BY THE COUNTY PURSUANT TO NPDES GENERAL STORMWATER PERMIT NC02010000 ONLY.
3. THIS PAGE OF THE APPROVED PLANS IS ENFORCEABLE EXCLUSIVELY PURSUANT TO NPDES GENERAL STORMWATER PERMIT NC02010000.
4. THE COUNTY IS NOT AUTHORIZED TO ENFORCE THIS PAGE OF THE PLANS AND IT IS NOT PART OF THE APPROVED PLANS FOR THE PURPOSES OF ENFORCEMENT ACTION UNDER THE CITY CODE.



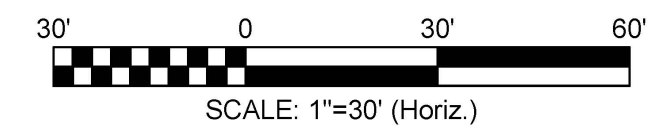
GRADING DRAINAGE & EROSION CONTROL

SCALE 1" = 30'

NO WETLAND WITHIN PROJECT AREA

CURVE	ARC LENGTH	RADIUS	DELTA ANGLE	CHORD BEARING	CHORD LENGTH
C1	180.24'	436.07'	23°40'54"	S 15°26'18" W	178.96'
C2	122.17'	436.07'	16°03'06"	S 04°25'42" E	121.77'

NO.	DATE	REVISION
R4	02/20	ADDRESSED ENGINEERING COMMENTS - 02/20
R3	5/20/20	ADDRESSED TRC 5/20/20 COMMENTS
R2	5/10/20	ADDRESSED TRC 5/10/20 COMMENTS
R1	2/20/20	SUBMITTED FOR PRE-TRC CONSULTATION



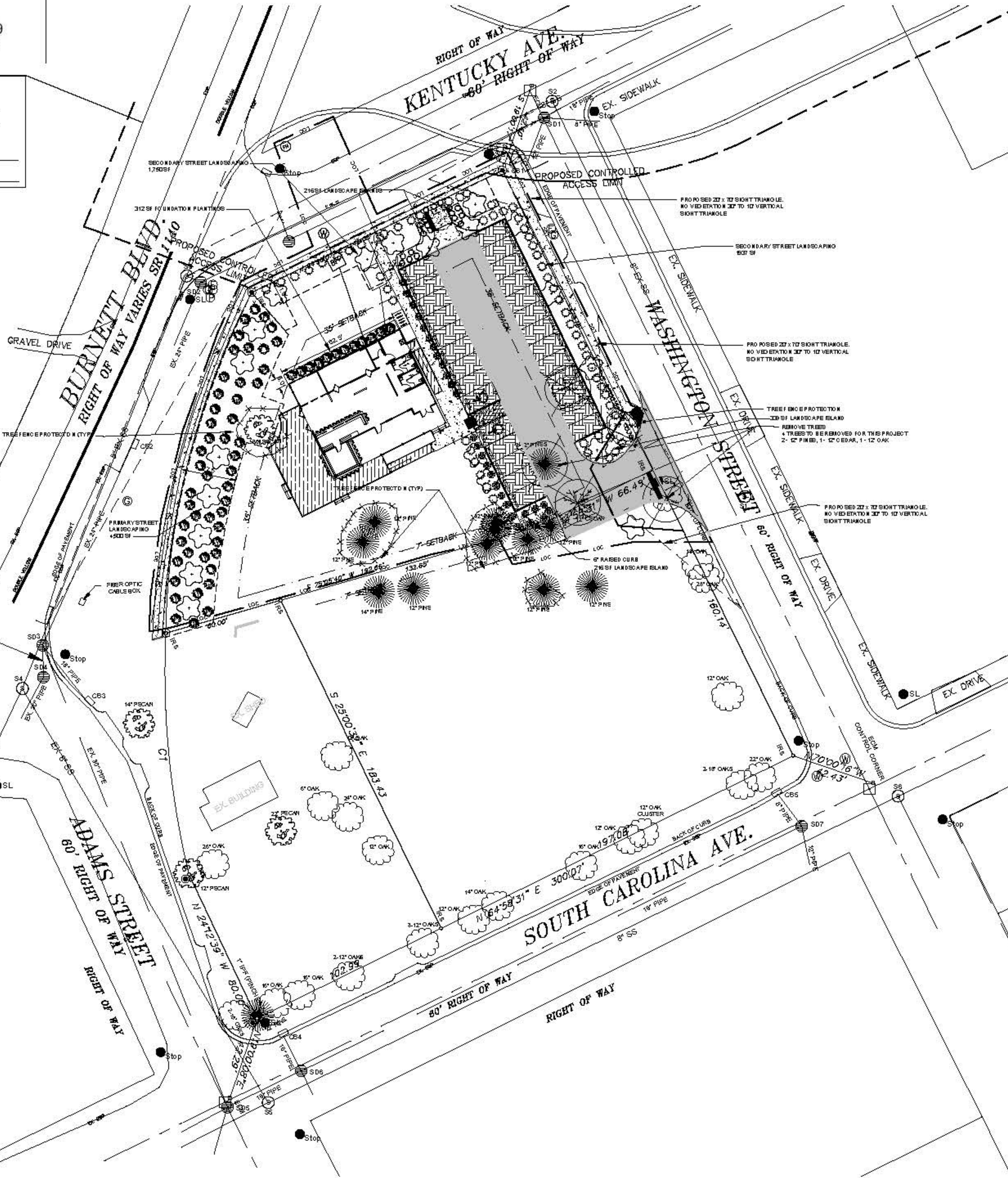
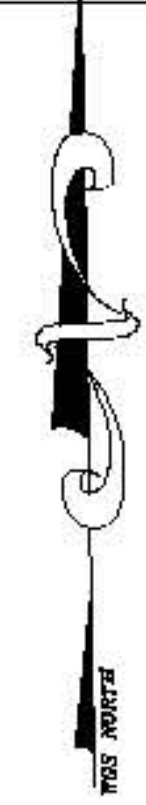
JBS CONSULTING, PA
 7332 Cotesworth Drive
 Wilmington, NC 28405
 (910) 619-9990
 License Number C-2525
 PLANNING - ENGINEERING - PROJECT MANAGEMENT

SHEET
C2
 of 4
 JOB NO. 109-003

Approved Construction Plan
 Date: 6/16/20
 # 2020008
 SW Permit #: 2020019
 PO, TB, BM, MB, CW



Date: _____ Permit # _____
 Signed: _____



LANDSCAPE
 SCALE 1" = 30'

NO WETLAND WITHIN PROJECT AREA

LANDSCAPE DATA

STREET YARD LANDSCAPING

PRIMARY - BURNETT BLVD

180' X 25' = 4,500 SF REQUIRED AND PROVIDED
 4500 / 600 = 8 (8 CANOPY TREE + 46 12" SHRUBS)
 USE 7 NEW WILLOW OAKS AND CREDIT FOR EX. PECAN TREE

SECONDARY - KENTUCKY AVENUE

140' X 25' X 50% = 1,750 SF REQUIRED
 1750 / 600 = 3 (3 CANOPY TREES + 18 12" SHRUBS)

SECONDARY - WASHINGTON

155' X 25' X 50% = 1,937 SF
 1937 / 600 = 4 (4 CANOPY TREES + 24 12" SHRUBS)

PARKING LOT LANDSCAPING

PARKING LOT SHADING WILL BE ACCOMPLISHED WITH PROPOSED TREES SHOWN ON PLAN. PER COW CRITERIA THE PARKING LOT SHALL HAVE A 20% SHADING COVERAGE.

PARKING & ISLES ON SITE EQUAL 7,183 SF X 20% = 1,437 SF

SHADING FROM PROPOSED TREES 7 WILLOW OAKS + 2 EXISTING WITH 10' RADIUS = 314 SF X 8 = 2,828 SF OF SHADING. MEETS ORDINANCE.

PERIMETER LANDSCAPING - PERIMETER PLANTING AROUND ENTIRE PARKING LOT. 100% OPACITY TO 3' IN HEIGHT.

FOUNDATION PLANTINGS

HEIGHT X WIDTH X 12%
 15.5' X 62.5' X 12% = 116 SF REQUIRED
 312 SF PROVIDED

PLAN SHOWS PROPOSED PLANTINGS. SHRUBS OTHER THAN SHOWN MAY BE SUBSTITUTED WITH SELECTIONS FROM THE APPROVED PLANTING LIST AS SHOWN IN THE MOST CURRENT COW TECHNICAL STANDARDS AND SPECIFICATIONS MANUAL.

BUFFER YARDS

NOT APPLICABLE FOR THIS PROJECT

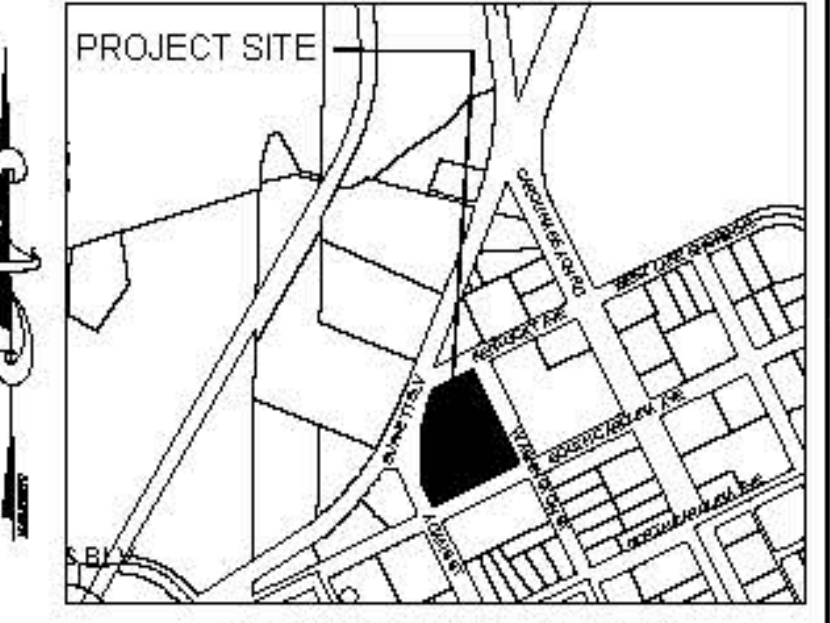
GROUND COVER

ALL ISLANDS SHALL BE PLANTED WITH GROUND COVER PLANTING SHOWN IN THE APPROVED PLANT LIST MENTIONED ABOVE OR PINE STRAW/MULCH

LANDSCAPE NOTES

1. PRIOR TO ANY CLEARING, GRADING, OR CONSTRUCTION ACTIVITY, TREE PROTECTION FENCING WILL BE INSTALLED AROUND PROTECTED TREES OR GRAVES OF TREES. AND NO CONSTRUCTION WORKERS, TOOLS, MATERIALS OR VEHICLES ARE PERMITTED WITHIN THE TREE PROTECTION FENCING.
2. ALL PLANTED AND RETAINED LIMING MATERIAL, REQUIRED TO MEET THE PROVISIONS OF THE CITY OF WILMINGTON, LAND DEVELOPMENT CODE, SHALL BE PERPETUALLY PROTECTED AND MAINTAINED, TO PROFESSIONALLY ACCEPTED STANDARDS BY JOINT AND SEVERAL RESPONSIBILITY OF THE OWNER, OCCUPANTS, TENANT AND RESPECTIVE LIVE AGENTS OF THE PROPERTY ON WHICH THE MATERIAL IS LOCATED.
3. LANDSCAPING SHOWN IS MINIMAL AMOUNT OF LANDSCAPING PER THE UMV ZONING. OWNER WILL PLANT MORE MATERIAL IN LANDSCAPE BEDS AS SHOWN.
4. INSTALL TREE PROTECTION AT A RATE OF 1' OF FENCING PER 1" DIA AT DBH.

Scientific Name	Common Name	Size	Symbol	Quantity	Height
QUERCUS FULVA	WILLOW OAK	4 1/2" Caliper	☼	22	8' to 10'
FRAXINUS	WHITE BIRCH	5" caliper	☼	52	5' Ht
FRAXINUS	WHITE BIRCH	5" caliper	☼	52	5' Ht
YUCCA	AGAVE	7" dia	☼	15	5' Ht
IMPATIENS	IMPATIENS	1" CALIPER	☼	22	



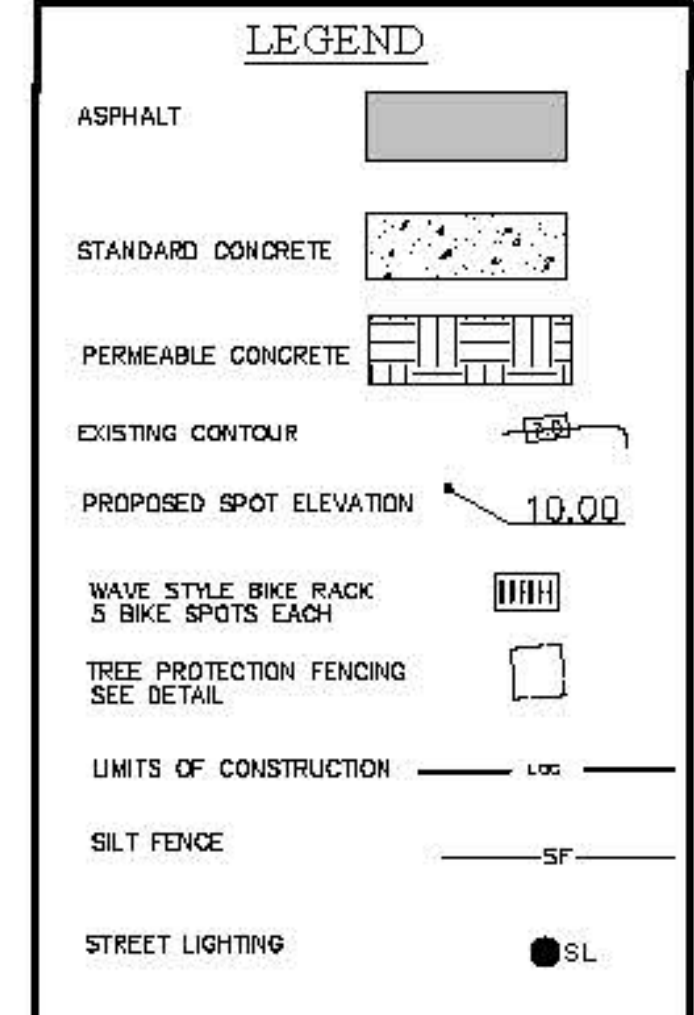
VICINITY MAP
 SCALE: 1" = 600'

DESIGNED BY: BDS
 DRAWN BY: BDS
 CHECKED BY: BDS
 DATE: FEBRUARY, 2020

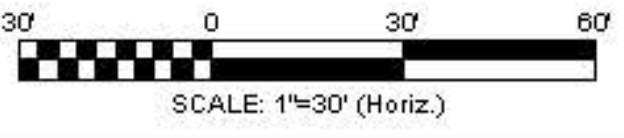
LANDSCAPE PLAN
 DRAM TREE TAVERN
 1806 WASHINGTON STREET
 WILMINGTON, NC 28401

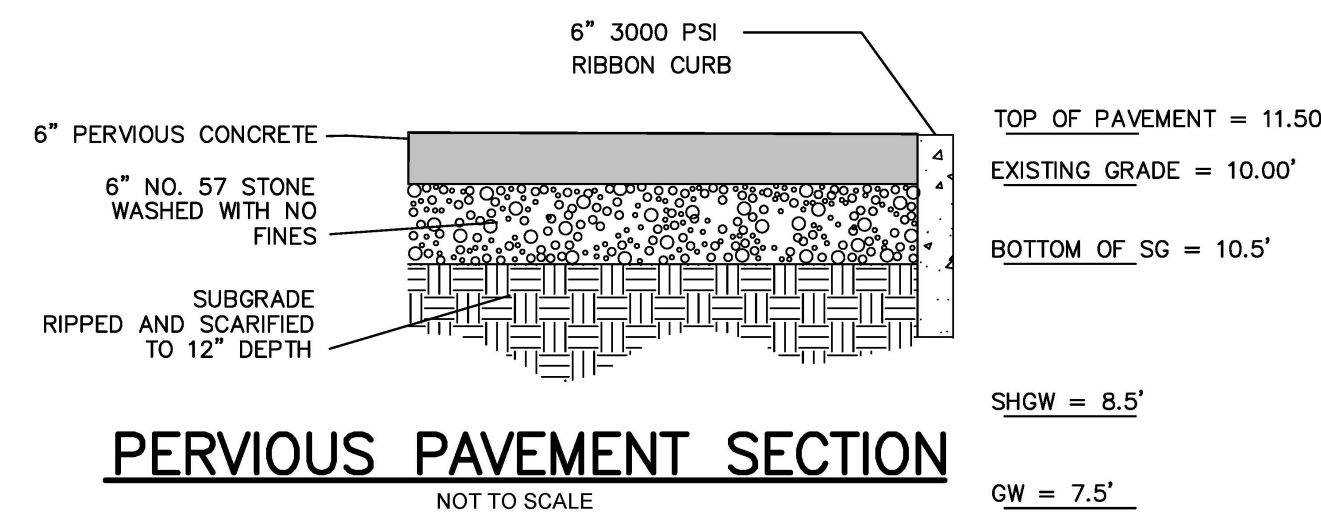
CARTIER CONSTRUCTION, INC
 WALT CARTIER
 PO BOX 980
 WRIGHTSVILLE BEACH, NC 28480

JBS CONSULTING, PA
 7332 Colesworth Drive
 Wilmington, NC 28405
 (910) 619-9990
 License Number C-2825
 PLANNING - ENGINEERING - PROJECT MANAGEMENT



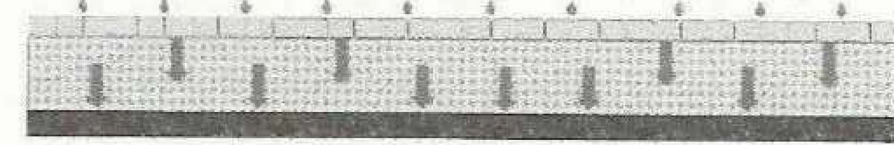
NO.	DATE	REVISION





PERVIOUS PAVEMENT SECTION
NOT TO SCALE

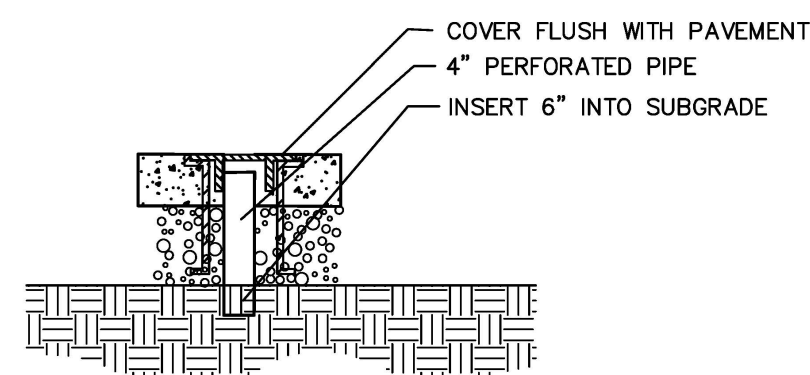
PERMEABLE PAVEMENT



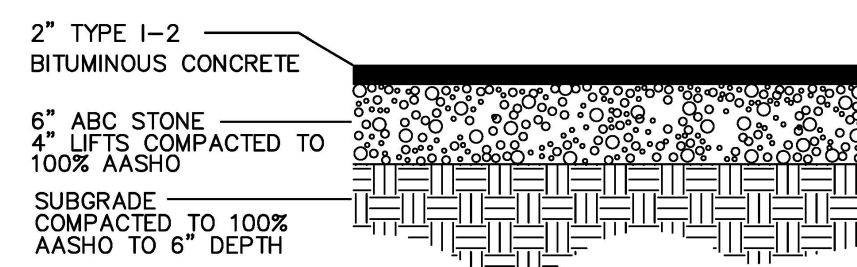
- ACTIVITIES PROHIBITED:**
- SANDING
 - RE-SEALING
 - RE-SURFACING
 - POWER WASHING
 - STORAGE OF MULCH OR SOIL
 - STORAGE OF SNOW PILES
 - STORAGE OF HEAVY LOADS
 - APPLICATION OF SALT OR DE-ICERS

NOTE: EXAMPLE OF SIGN TO BE PLACED WHERE SHOWN ON THE PLANS. SIGN 18" X 24" ON STANDARD METAL BACKING AND MOUNTED WITH STANDARD STREET SIGN MATERIALS AND METHODS.

EXAMPLE PERMEABLE PAVEMENT SIGN
NOT TO SCALE



OBSERVATION WELL
NOT TO SCALE

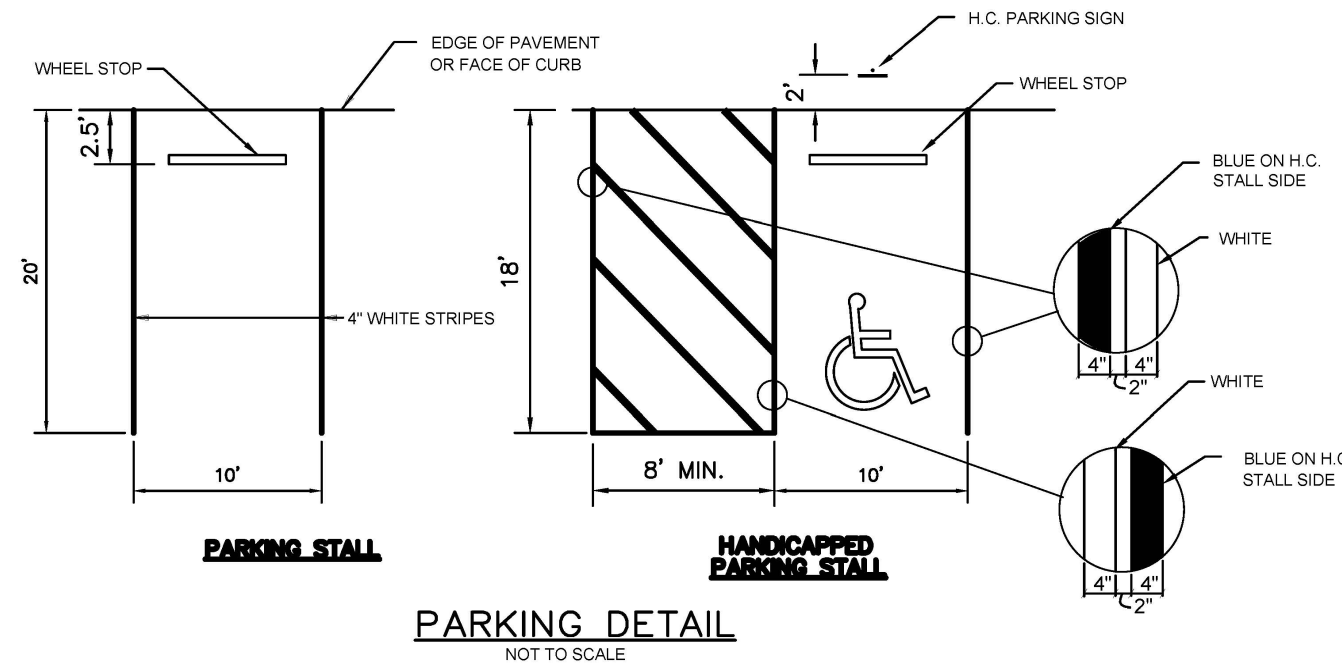


ASPHALT PAVEMENT SECTION
NOT TO SCALE

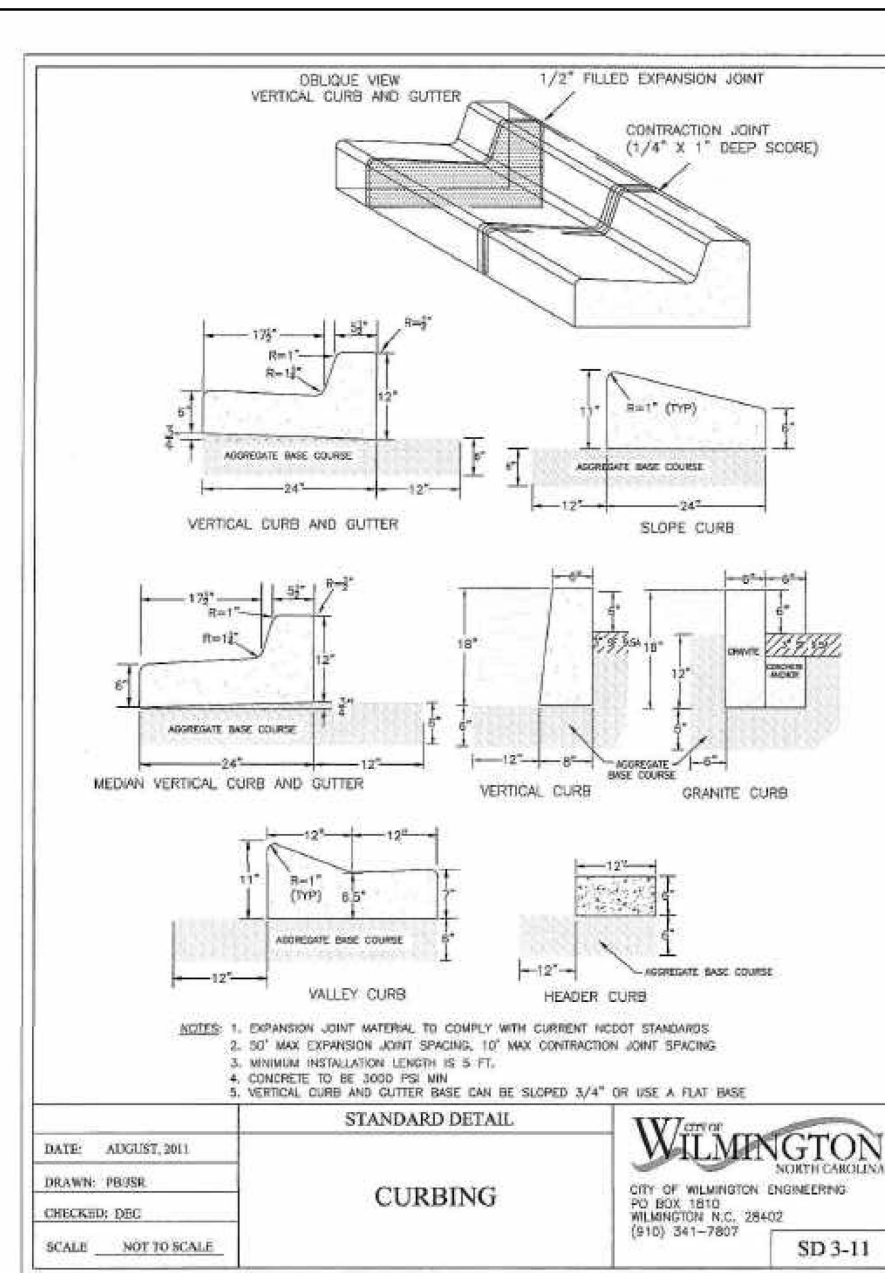
Approved Construction Plan
Date: 6/16/20
2020008
SW Permit #: 2020019
PO, TB, BM, MB, CW

CITY OF WILMINGTON
NORTH CAROLINA
Public Services • Engineering Division
APPROVED DRAINAGE PLAN

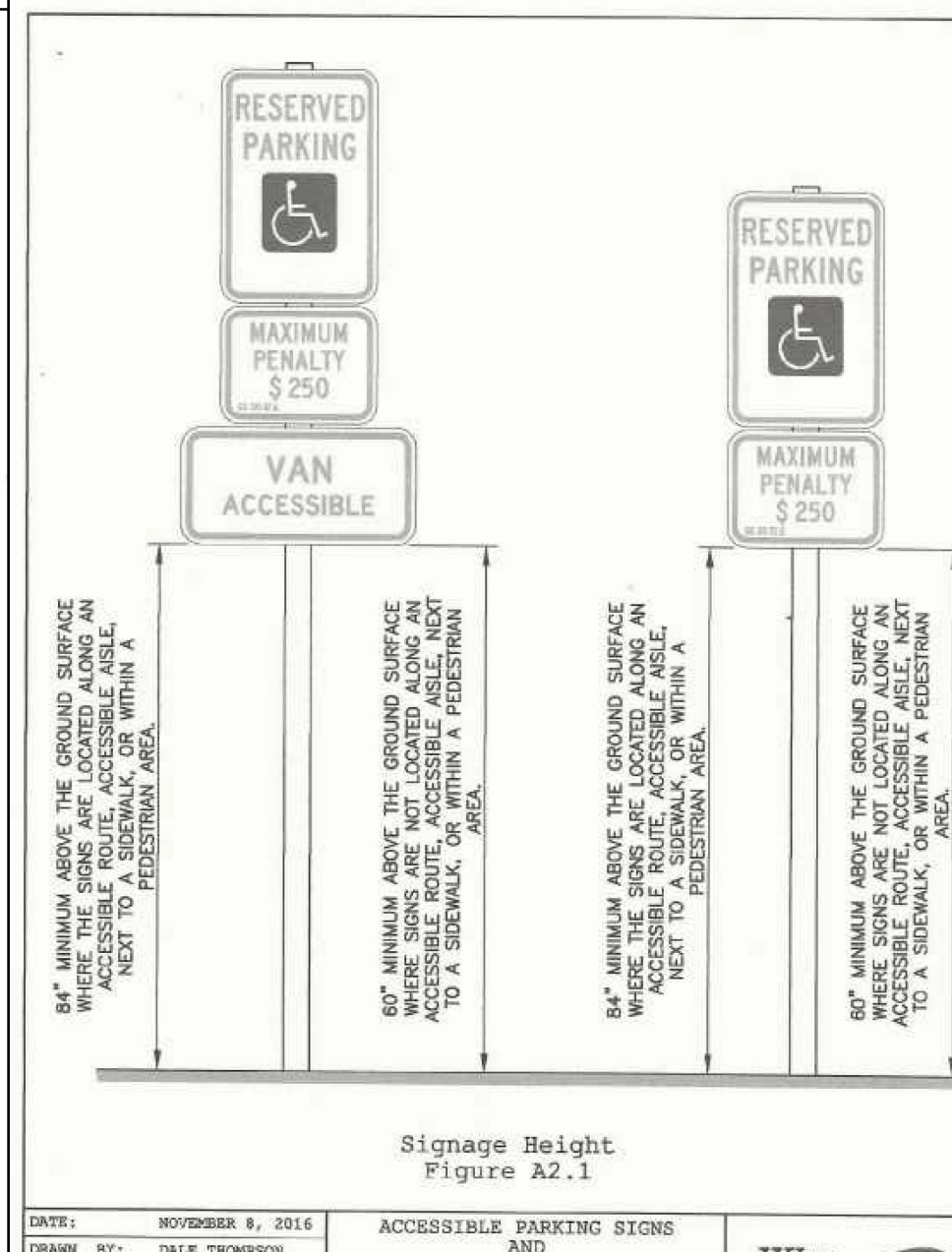
Date: _____ Permit # _____
Signed: _____



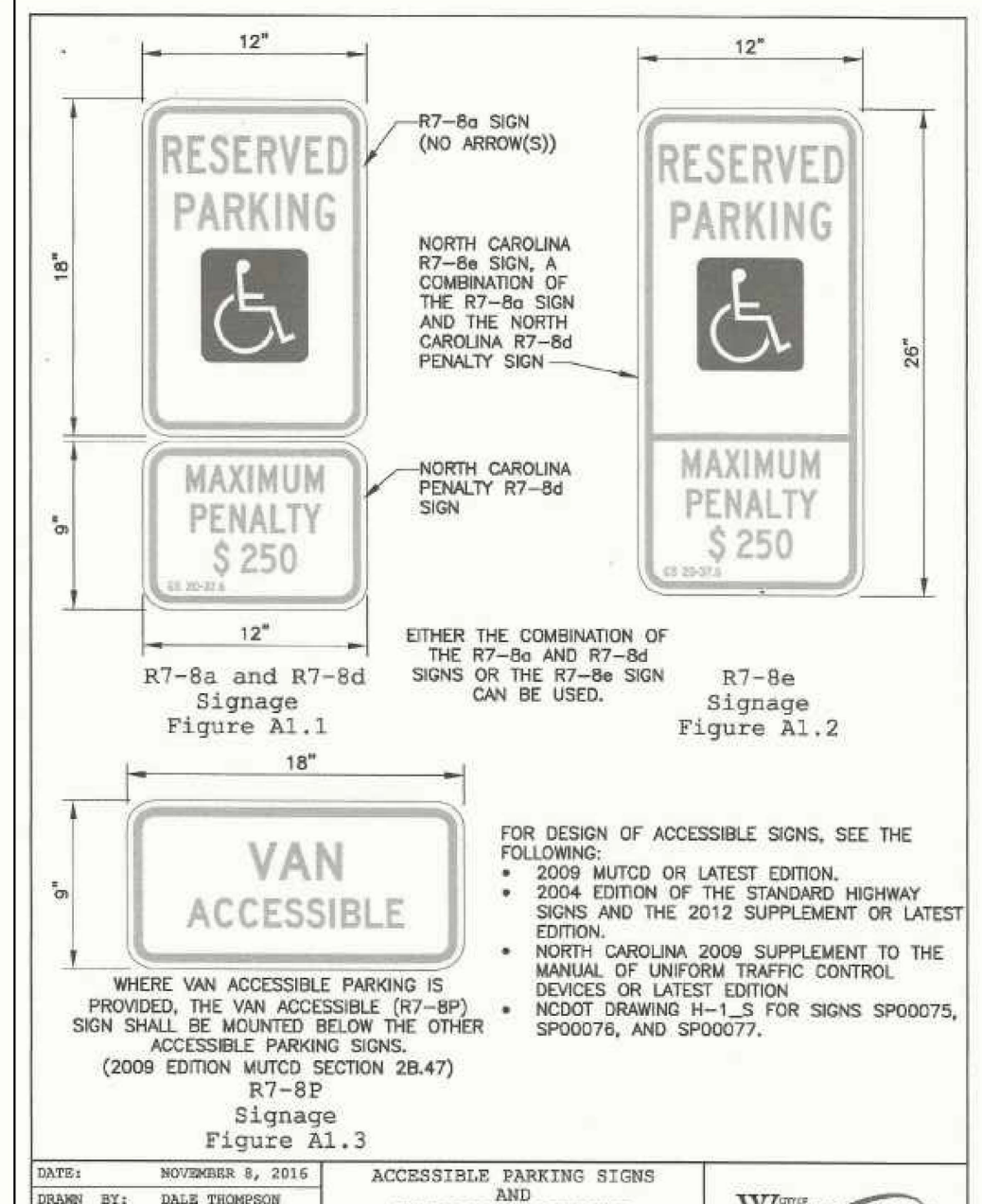
PARKING DETAIL
NOT TO SCALE



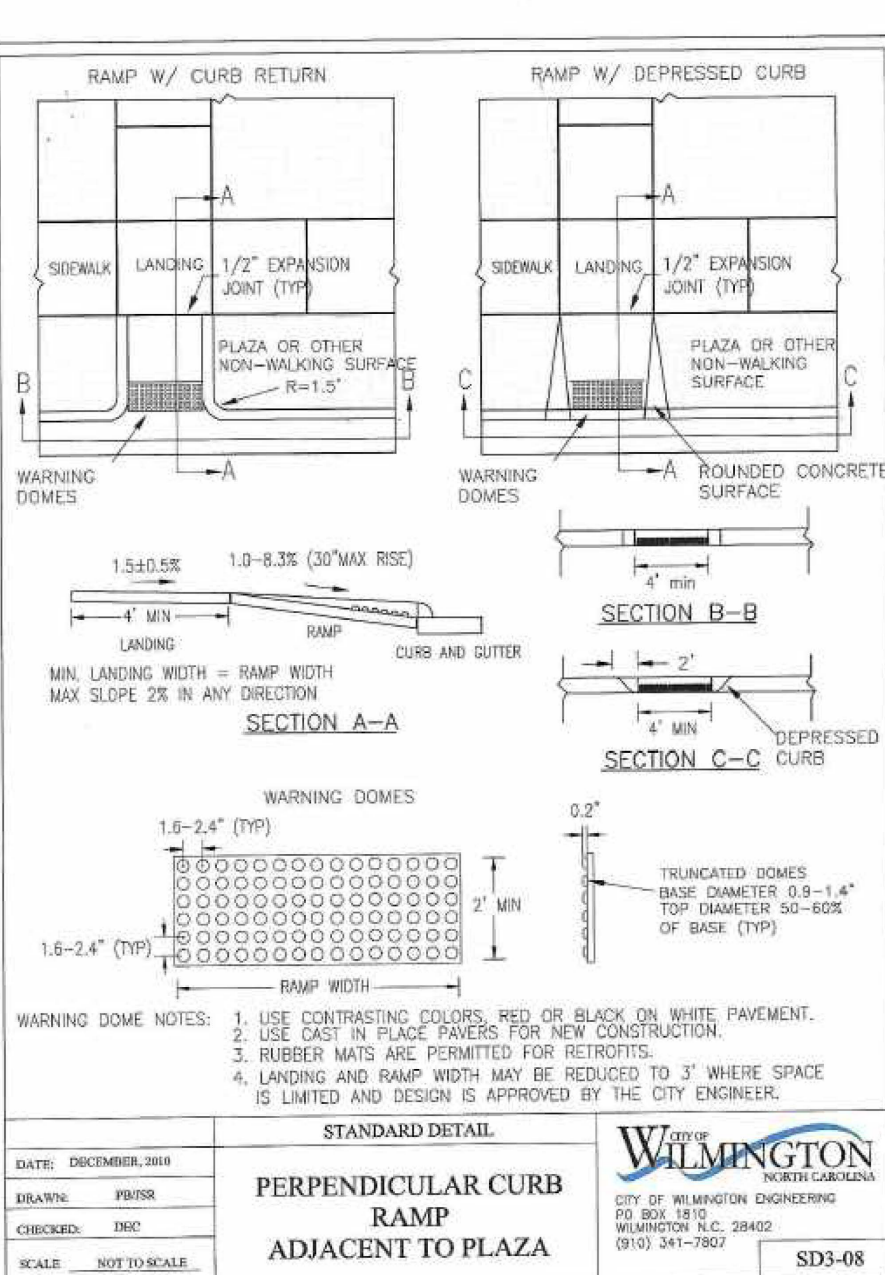
STANDARD DETAIL CURBING
SD 3-11



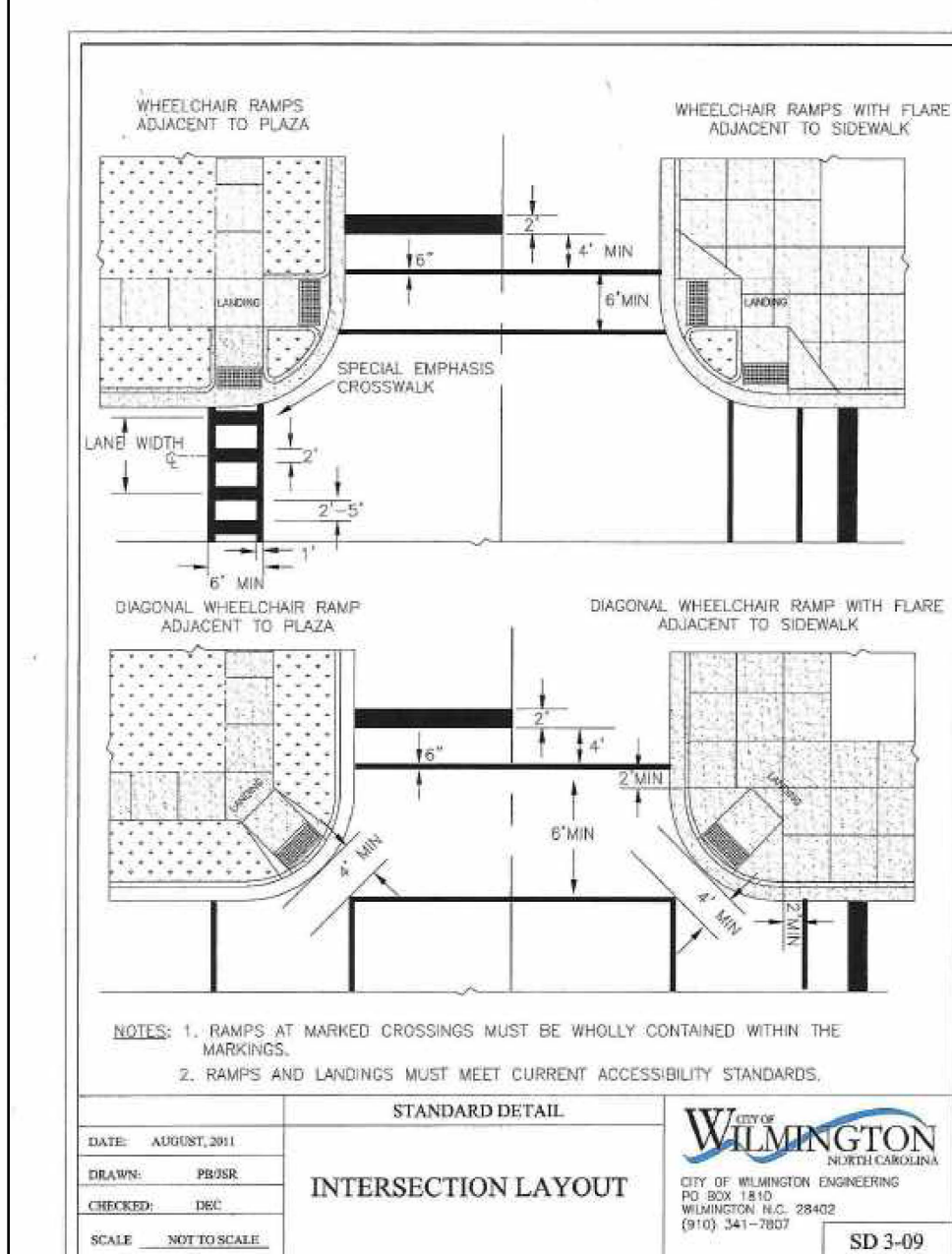
Signage Height Figure A2.1
SD 3-11



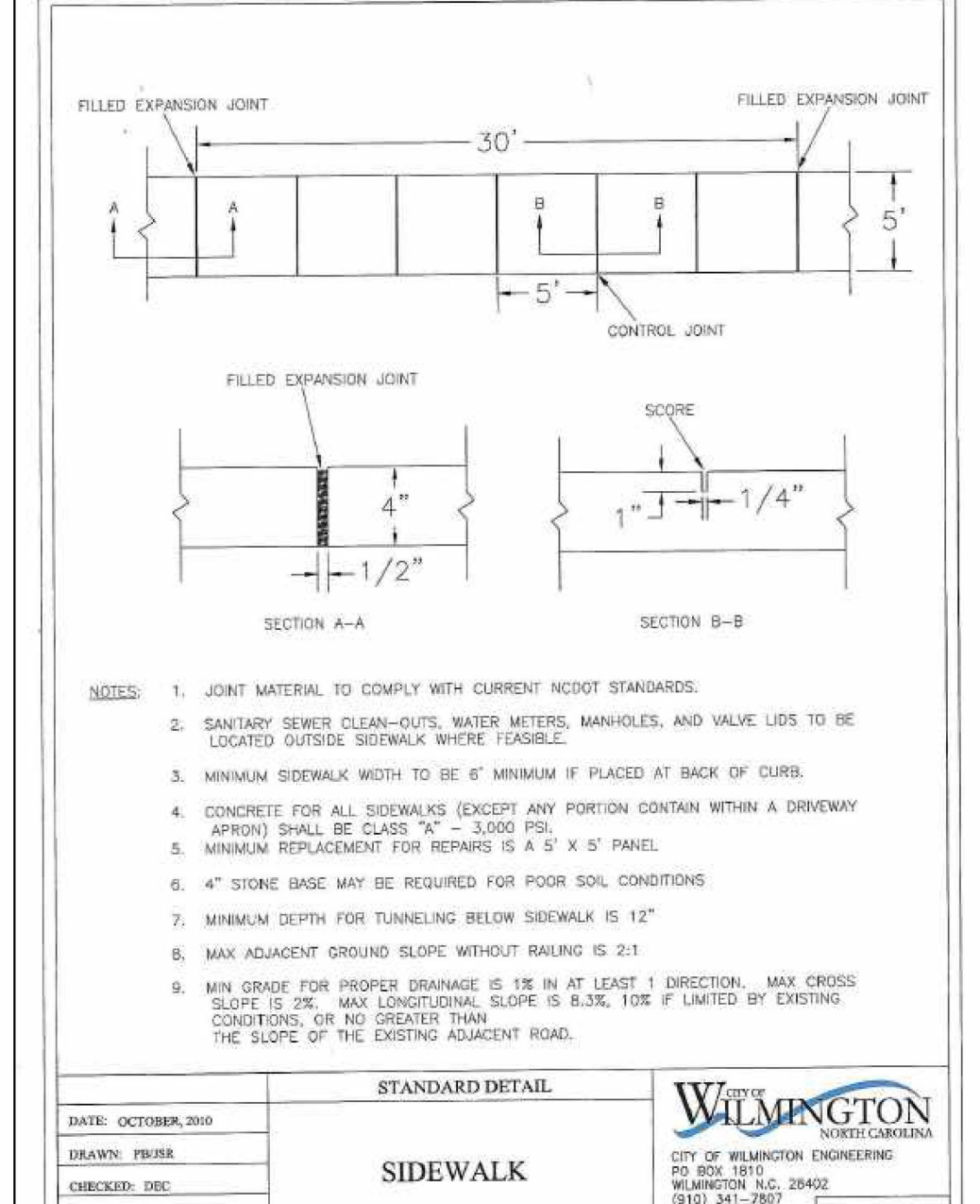
ACCESSIBLE PARKING SIGNS AND INSTALLATION DETAILS
SD 3-11



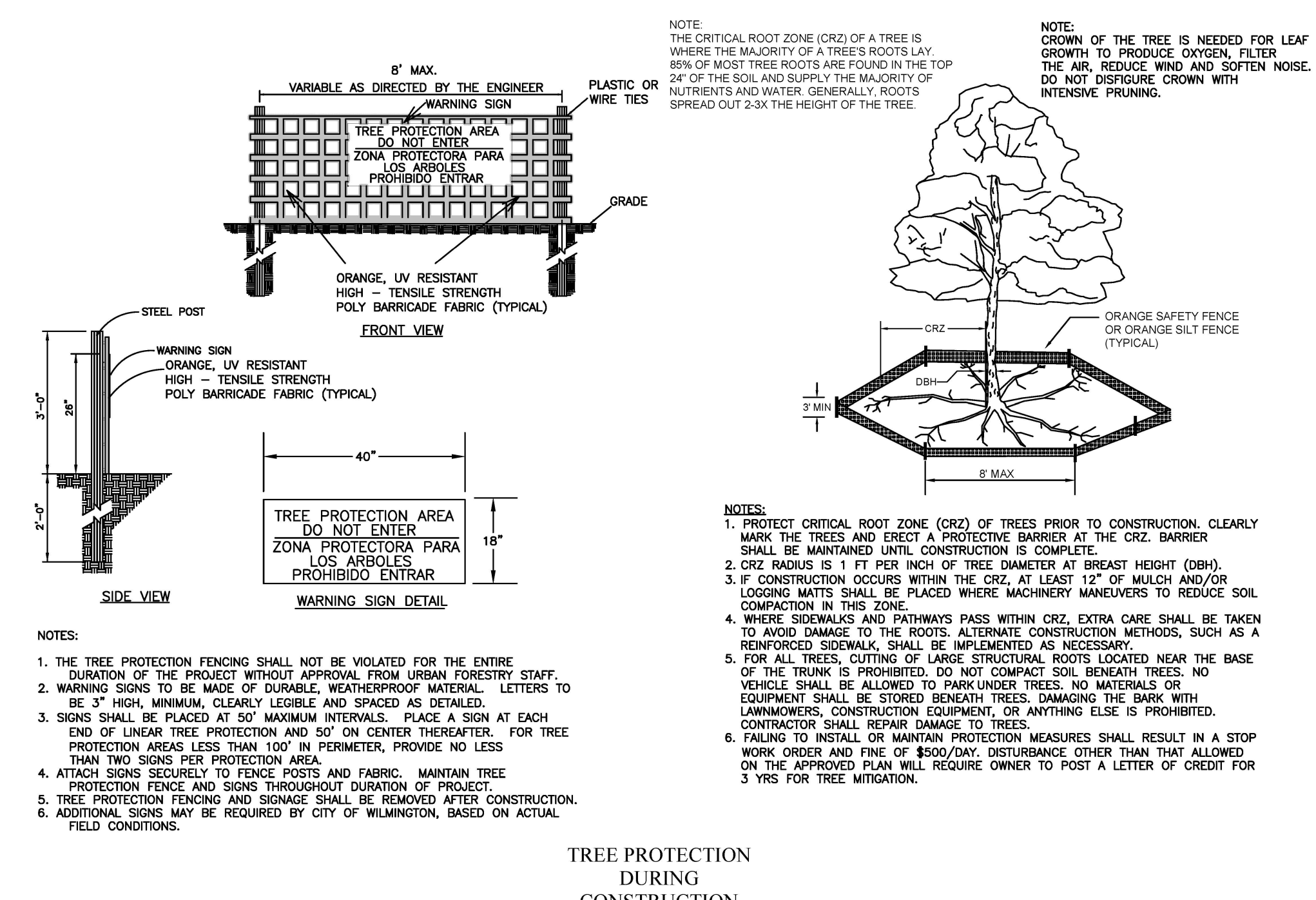
PERPENDICULAR CURB RAMP ADJACENT TO PLAZA
SD 3-08



INTERSECTION LAYOUT
SD 3-09



SIDEWALK
SD 3-10



TREE PROTECTION DURING CONSTRUCTION

REVISION NUMBER	DATE	DESCRIPTION
R4	6/20/20	ADDRESSED ENGINEERING COMMENTS - 6/20/20
R3	5/29/20	ADDRESSED TRC 5/29/20 COMMENTS
R2	5/19/20	ADDRESSED TRC 5/19/20 COMMENTS
R1	2/28/2020	SUBMITTED FOR PRE-TRC CONSULTATION

DESIGN BY: BDS
DRAWN BY: BDS
CHECKED BY: BDS
DATE: FEBRUARY, 2020

CARTIER CONSTRUCTION, INC
WALT CARTIER
PO BOX 980
WRIGHTSVILLE BEACH, NC 28480

JBS CONSULTING, PA
7332 Cotesworth Drive
Wilmington, NC 28405
(910) 619-9990
License Number: C-2925

PLANNING - ENGINEERING - PROJECT MANAGEMENT

SHEET: **C4** of 4
JOB NO: 109-003

NORTH CAROLINA
NEW HANOVER COUNTY

I, L. SCOTT BAGGIE, PROFESSIONAL LAND SURVEYOR LICENSED IN THE STATE OF NORTH CAROLINA (L-3450), CERTIFY UNDER THE PROVISIONS OF CHAPTER 89C OF THE GENERAL STATUTES STATING THAT THE PLATS OR PLANS ACCURATELY DEPICT THE LEGAL BOUNDARIES AND PHYSICAL LOCATION OF THE IMPROVEMENTS RELATIVE TO THOSE BOUNDARIES AND THAT THE PLAN WAS DRAWN FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION FROM THE DESCRIPTION RECORDED IN DEED BOOK 9904 PAGE 1703 THIS PLAT WAS NOT PREPARED IN ACCORDANCE WITH G.S. 47-30 AS AMENDED WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER AND SEAL THIS 10TH DAY OF MAY, A.D. 2016.

L. SCOTT BAGGIE, P.L.S.
REGISTRATION NUMBER L-3450



SANITARY SEWER MANHOLE TABLE	
S1	TOP ELEV = 8.64' INVERT OUT = 8.12'
S2	TOP ELEV = 7.45' INVERT IN (FROM MH S1) = 4.15' INVERT OUT (TO MH S3) = 2.87' INVERT IN (NORTHEAST) = 2.92'
S3	TOP ELEV = 4.80' INVERT IN (FROM MH S2) = 1.05' INVERT IN (FROM MH S4) = 1.05' INVERT OUT (NORTHEAST) = 0.83'
S4	TOP ELEV = 5.37' INVERT IN (FROM MH S3) = 1.57' INVERT OUT (TO MH S3) = 1.52' INVERT IN (SOUTHWEST) = 1.22'
S5	TOP ELEV = 8.88' INVERT = N/A
S6	TOP ELEV = 11.79' INVERT OUT (TO MH S5) = 4.84' INVERT IN (NORTHEAST) = 5.09' INVERT IN (SOUTHWEST) = 5.79'



NOTE:

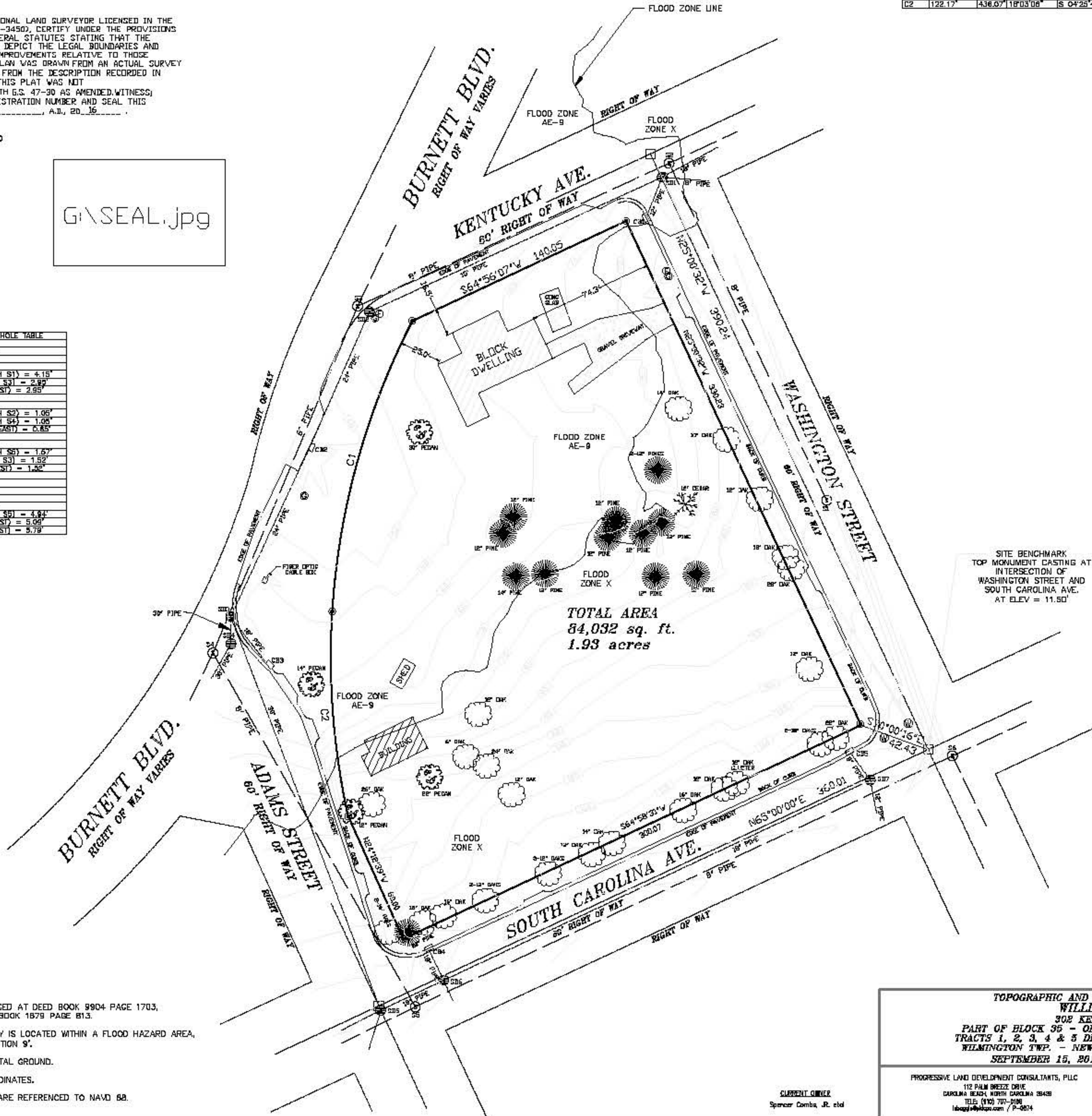
SUBJECT PROPERTY REFERENCED AT DEED BOOK 9904 PAGE 1703, AND AS DESCRIBED IN DEED BOOK 1879 PAGE 813.
A PORTION OF THIS PROPERTY IS LOCATED WITHIN A FLOOD HAZARD AREA, ZONE AE, BASE FLOOD ELEVATION 9'.
ALL DISTANCES ARE HORIZONTAL GROUND.
AREA IS COMPUTED BY COORDINATES.
ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD 88.

CURBLINE LENGTH	RADIUS	DELTA ANGLE	CHORD BEARING	CROSS LENGTH
C1 = 118.24'	134.27'	123.40°	S 15°24'18" W	172.84'
C2 = 122.17'	136.07'	119.03°	S 04°28'42" E	121.77'



- LEGEND:
- R/W - RIGHT OF WAY
 - N/F - NOW OR FORMERLY
 - IPF - IRON PIN FOUND
 - SURVEY MONUMENT
 - SANITARY SEWER
 - STORM DRAIN
 - WATER VALVE
 - GAS LINE MARKER
 - FIBER OPTIC PEDESTAL

FLOOD ZONE INFORMATION
THIS PARCEL IS LOCATED IN BOTH ZONES AE-9 AND X AS INDICATED ON FEMA FIRM MAP NO. 372011600K PANEL 3118, HAVING AN EFFECTIVE DATE OF JUNE 2, 2008.



TOTAL AREA
84,032 sq. ft.
1.93 acres

SITE BENCHMARK
TOP MONUMENT CASTING AT
INTERSECTION OF
WASHINGTON STREET AND
SOUTH CAROLINA AVE.
AT ELEV = 11.50'

STORM DRAIN TABLE	
SD1	CURB INLET TOP GRATE ELEV = 7.70' INVERT OUT = 3.51'
SD2	SEWEL TOP ELEV = 7.48' INVERT IN (FROM MH SD1) = 2.48' INVERT OUT (TO MH SD2) = 2.41' INVERT IN (NORTHEAST) = 2.55' INVERT IN (EAST) = 2.58'
SD3	SEWEL TOP ELEV = 4.83' INVERT IN (FROM MH SD1) = 0.23' INVERT OUT (TO MH SD2) = 0.08'
SD4	CURB INLET TOP GRATE ELEV = 4.40' INVERT IN (FROM MH SD1) = -0.32' INVERT OUT (TO MH SD3) = -0.35'
SD5	SEWEL TOP ELEV = 4.84' INVERT IN (FROM SD4) = 1.07' INVERT IN (FROM SD3) = -2.13' INVERT OUT (TO SD5) = -2.13'
SD6	CURB INLET TOP GRATE ELEV = 0.30' INVERT OUT (TO SD3) = 1.20'
SD7	SEWEL TOP ELEV = 5.24' INVERT IN (FROM SD3) = -2.24' INVERT OUT (SOUTHWEST) = -2.27'
SD8	SEWEL TOP ELEV = 9.84' INVERT = N/A
SD9	SEWEL TOP ELEV = 10.02' INVERT IN (FROM MH SD4) = 7.82' INVERT IN (FROM MH SD7) = 5.24' INVERT IN (SOUTHWEST) = 7.17' INVERT OUT (TO SD6) = 5.22'
SD10	CURB INLET TOP GRATE ELEV = 10.15' INVERT OUT (TO SD6) = 7.20'
SD11	SEWEL TOP ELEV = 11.47' INVERT IN (FROM MH SD9) = 8.97' INVERT IN (SOUTH) = 8.87' INVERT OUT (TO SD6) = 7.37'
SD12	CURB INLET TOP GRATE ELEV = 11.50' INVERT OUT (TO SD7) = 8.26'

TOPOGRAPHIC AND TREE LOCATION SURVEY FOR
WILLIAM CARTER
302 KENTUCKY AVENUE
PART OF BLOCK 95 - OF THE HANBY PROPERTY "SUMMER HILL"
TRACTS 1, 2, 3, 4 & 5 DESCRIBED IN DEED BOOK 1879 PAGE 813
WILMINGTON TWP. - NEW HANOVER COUNTY - NORTH CAROLINA
SEPTEMBER 15, 2016
JOB No. 0279-2016

PROGRESSIVE LAND DEVELOPMENT CONSULTANTS, PLLC
10 PALM BRIDGE DRIVE
CAROLINA BEACH, NORTH CAROLINA 28418
TEL: (910) 797-9100
louis@pldc.com / P-8014

SCALE 1" = 40'

Approved Construction Plan
Date: 6/16/20
2020008
SW Permit #: 2020019
PO, TB, BM, MB, CW