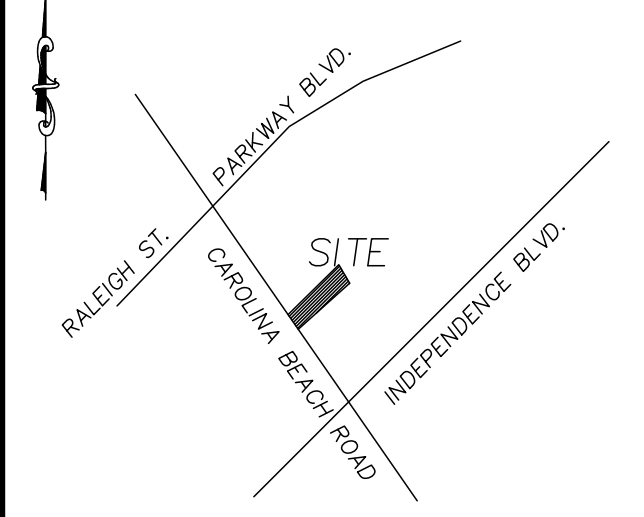


LOCATION MAP

NOT TO SCALE



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

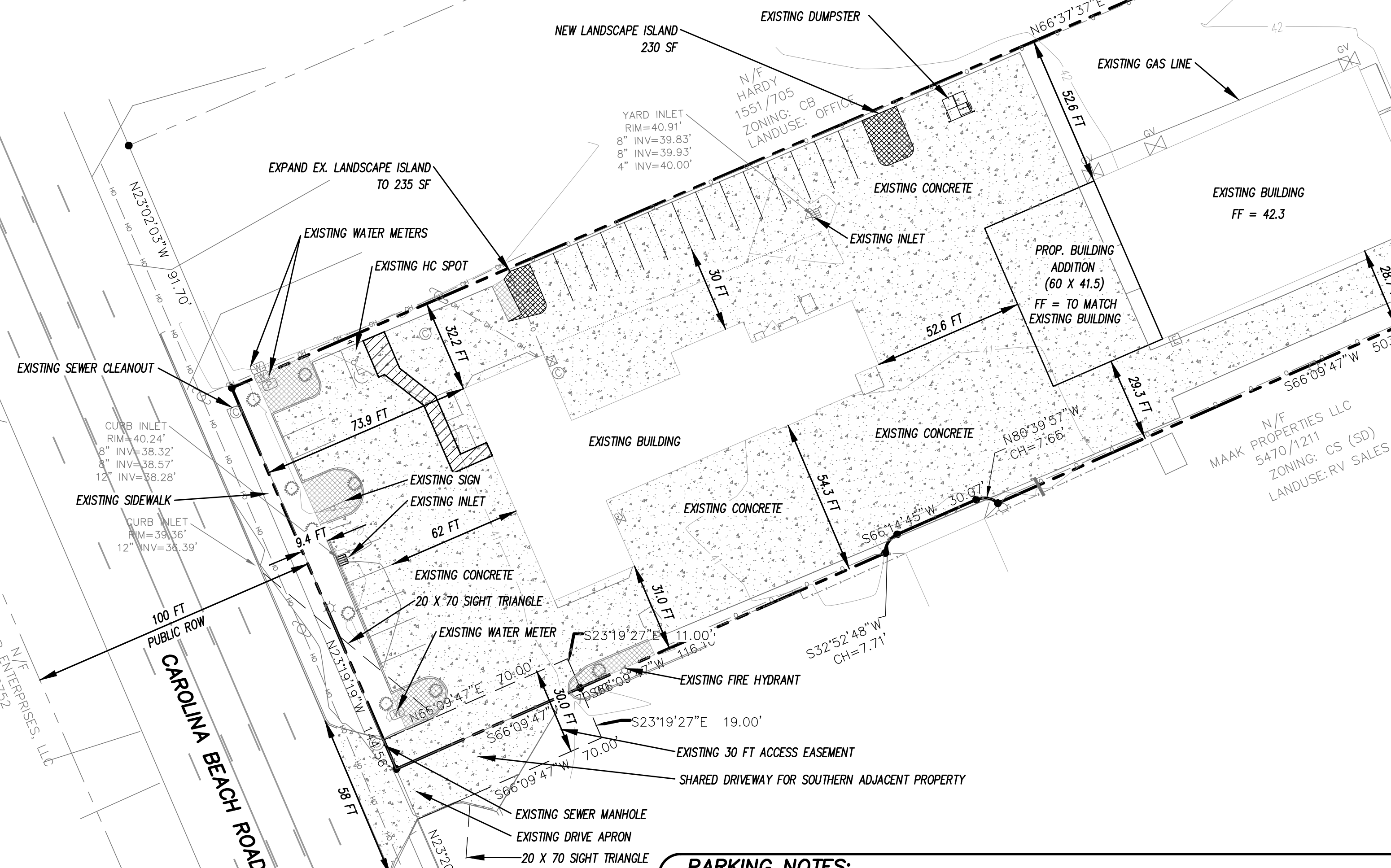
Date: _____ Permit # _____
Signed: _____

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

Approved Construction Plan

Name _____ Date _____
Planning _____
Traffic _____
Fire _____

SITE IS CURRENTLY DEVELOPED.
PROPOSED IMPROVEMENT IS TO ADD A 60' X 41.5' ADDITION TO EXISTING BUILDING FOR MORE VEHICLE REPAIR BAYS



DEVELOPMENT NOTES:

- ALL SIGNS AND PAVEMENT MARKINGS IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD STANDARDS.
- THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND PROTECTION OF EXISTING UTILITIES DURING CONSTRUCTION. CALL U-LOCO AT 1-800-632-4949. CONTRACTOR IS RESPONSIBLE FOR THE REPAIR AND REPLACEMENT OF ANY UTILITIES, CURB AND GUTTER, SIDEWALK PANELS, PAVEMENT, ETC. THAT MAY BE DAMAGED DURING CONSTRUCTION. DAMAGED ITEMS SHALL BE REPAIRED TO AT LEAST THE QUALITY OR WORKMANSHIP FOUND IN THE ORIGINAL ITEM.
- SOLID WASTE DISPOSAL WILL UTILIZE EXISTING DUMPSTER SERVICE.
- ALL DEVELOPMENT SHALL BE IN ACCORDANCE WITH THE CITY OF WILMINGTON ZONING ORDINANCE & SUBDIVISION REGULATIONS.
- APPROVAL OF SITE PLAN DOES NOT CONSTITUTE APPROVAL OF PROPOSED SIGNAGE FOR THIS SITE. A SEPARATE SIGN PERMIT MUST BE OBTAINED.
- APPLICABLE STREET FRONTAGES SHALL HAVE NATURAL VEGETATIVE SCREENING MEETING CITY REQUIREMENTS.
- THE DEVELOPMENT SHALL COMPLY WITH ALL CITY TECHNICAL STANDARDS AND DEVELOPMENT REGULATIONS.

ENVIRONMENTAL NOTES:

- NO LAND DISTURBANCE IS PERMITTED OUTSIDE THE DESIGNATED LIMITS OF DISTURBANCE FOR SITE IMPROVEMENTS OTHER THAN WHAT IS NECESSARY TO TIE INTO EXISTING CONTOURS OR MEET LANDSCAPING REQUIREMENTS.

FIRE & LIFE SAFETY NOTES:

- LANDSCAPING OR PARKING CANNOT BLOCK OR IMPEDE FIRE HYDRANTS OR FDC'S. A 3 FT CLEAR SPACE SHALL BE MAINTAINED AROUND THE CIRCUMFERENCE OF THE HYDRANT.
- CONTRACTOR SHALL MAINTAIN AN ALL WEATHER ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING CONSTRUCTION.
- PRIVATE UNDERGROUND FIRE LINES REQUIRE A SEPARATE FIRE LINE PERMIT FROM COW FIRE AND LIFE SAFETY DIVISION, 910-343-0696.
- ALL FDC LOCATIONS WILL BE SHOWN ON FINAL PLAN.
- FDC MUST BE ON THE FRONT OF THE BUILDING(S) UNLESS OTHERWISE APPROVED.
- FIRE HYDRANTS TO BE INSTALLED PER CITY OF WILMINGTON ORDINANCE AND CPFA STANDARDS.
- WATER FLOW ANALYSIS WILL BE REQUIRED TO DETERMINE THE CORRECT MAIN SIZE TO MEET FIRE FLOW DEMAND.
- NEW HYDRANTS TO BE BROUGHT INTO SERVICE PRIOR TO COMBUSTIBLE MATERIALS DELIVERED TO THE JOB SITE.
- HYDRANT MUST BE WITHIN 150 FT OF THE FDC (MEASURED AS THE TRUCK DRIVES).
- FDC MUST BE WITHIN 40 FT OF FIRE APPARATUS PLACEMENT.
- IN ADDITION TO THE STANDARD COMMENTS, ADDITIONAL FIRE PROTECTION AND ACCESSIBILITY REQUIREMENTS MAY BE REQUIRED DUE TO ANY SPECIAL CIRCUMSTANCES CONCERNING THE PROJECT.
- CONTRACTOR SHALL SUBMIT A RADIO STRENGTH STUDY THAT DEMONSTRATES THAT EXISTING EMERGENCY RESPONDER RADIO SIGNAL LEVELS MEET THE REQUIREMENTS OF SECTION 510 OF THE 2018 NC FIRE CODE.

TRAFFIC ENGINEERING NOTES:

- 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 RECORDING OF THE FINAL PLAT. PLAN SHALL ADHERE TO SD 15-14.
- TRAFFIC CONTROL DEVICES (INCLUDING SIGNS AND PAVEMENT MARKINGS) IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD STANDARDS.
- OPEN CUT NOTES:
 - A UTILITY CUT PERMIT IS REQUIRED FOR EACH OPEN CUT OF A CITY STREET. CONTACT 910-341-5888 FOR MORE DETAILS. IN CERTAIN CASES AN ENTIRE RESURFACING OF THE AREA BEING OPEN CUT MAY BE REQUIRED.
 - CONTRACTOR TO COORDINATE WITH CITY OF WILMINGTON FOR ACCEPTABLE HOURS OF CONSTRUCTION AND TRAFFIC CONTROL DURING INSTALLATION OF UTILITIES IN CITY ROADS.
 - SUITABLE COMPACTION AND APPROVED STONE & BASE COURSES TO BE INSTALLED IN PLACE OF OPEN CUT.
 - OPEN CUT TO BE SAW CUT.
- ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS OF WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND/OR NCDOT STANDARDS.
- IT SHALL BE THE RESPONSIBILITY OF THE SUBDIVIDER TO ERECT OFFICIAL STREET NAME SIGNS AT ALL INTERSECTIONS ASSOCIATED WITH THE SUBDIVISION IN ACCORDANCE WITH THE TECHNICAL STANDARDS AND SPECIFICATIONS MANUAL. THE SUBDIVIDER MAY ACQUIRE AND ERECT OFFICIAL STREET NAME SIGNS OR MAY CHOOSE TO CONTRACT WITH THE CITY TO INSTALL THE STREET SIGNS AND THE SUBDIVIDER SHALL PAY THE COST OF SUCH INSTALLATION. CONTACT TRAFFIC ENGINEERING AT 341-7888 TO DISCUSS INSTALLATION OF TRAFFIC AND AND STREET NAME SIGNS. PROPOSED STREET NAMES MUST BE APPROVED PRIOR TO INSTALLATION OF STREET NAME SIGNS.
- CONTACT 811 PRIOR TO CONTACTING CITY OF WILMINGTON, TRAFFIC ENGINEERING REGARDING THE UTILITIES IN ROW.
- TACTILE WARNING MATS ARE TO BE INSTALLED ON ALL WHEELCHAIR RAMPS.
- ANY BROKEN OR MISSING SIDEWALK PANELS, DRIVEWAY PANELS AND CURBING WILL BE REPLACED.
- ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT OF WAY ARE TO BE MAINTAINED BY THE PROPERTY OWNER IN ACCORDANCE WITH MUTCD STANDARDS.
- ALL PARKING STALL MARKINGS AND LANE ARROWS WITHIN THE PARKING AREA SHALL BE WHITE.
- CONTACT TRAFFIC ENGINEERING AT 341-7888 TO DISCUSS STREET LIGHTING OPTIONS.
- ALL PROPOSED VEGETATION WITHIN SIGHT TRIANGLES SHALL NOT INTERFERE WITH CLEAR VISUAL SIGHT LINES FROM 30 INCHES - 10 FT.

PARKING NOTES:

- MIN: 14,379 / 600 = 24 | MAX = 14,379 / 400 = 36
- 24 SPACES PROVIDED
 - 1 HANDICAP SPACE REQUIRED, 1 SPACE PROVIDED

UTILITY NOTES:

- PROJECT SHALL COMPLY WITH THE CITY OF WILMINGTON AND CPFA CROSS CONNECTION CONTROL REQUIREMENTS. WATER METER(S) CANNOT BE SET AND ACTIVATED ON NEW MAINS UNTIL ALL REQUIREMENTS ARE MET. CALL 343-3910 FOR INFORMATION.
- IF THE CONTRACTOR DESIRES WATER FOR CONSTRUCTION HE/SHE SHALL APPLY IN ADVANCE FOR THIS SERVICE AND MUST PROVIDE A REDUCED PRESSURE ZONE (RPZ) BACKFLOW PREVENTION DEVICE ON THE DEVELOPER'S SIDE OF THE WATER METER BOX.
- ALL COMMERCIAL WATER SERVICES AND ANY IRRIGATION SYSTEMS SUPPLIED BY CPFA WATER SHALL HAVE A BACKFLOW PREVENTION DEVICE ACCEPTABLE TO THE CPFA AND APPROVED BY USCFCOHR OR ASSE. CALL 799-6064 FOR INFORMATION.
- WHEN PVC WATER MAINS AND/OR POLYETHYLENE SERVICES ARE PROPOSED, THE PIPES ARE TO BE MARKED WITH NO. 10 INSULATED COPPER WIRE INSTALLED THE ENTIRE LENGTH AND STRAPPED TO THE PIPES WITH DUCT TAPE. THE INSULATED WIRE IS TO BE STRIPPED TO BARE WIRE AND SECURED TO ALL VALVES AND FITTINGS. THE WIRE IS TO BE ACCESSIBLE AT ALL FIRE HYDRANTS AND WATER METER BOXES TO AID IN FUTURE LOCATION OF FACILITIES.
- 36" MINIMUM COVER OVER ALL WATER MAINS.
- ANY SEPARATE CONNECTION FOR IRRIGATION SHALL COMPLY WITH CITY AND CPFA CROSS-CONNECTION REQUIREMENTS WITH APPROVED BACKFLOW PREVENTION DEVICES.
- AT LOCATIONS WHERE WATER MAIN CROSSES UNDER SANITARY SEWER, DUCTILE IRON PIPE SHALL BE USED ALONG WITH PROVIDING 24" MINIMUM OF VERTICAL SEPARATION.
- WATER SERVICES CAN NOT BE ACTIVATED ON NEW WATER MAINS UNTIL ENGINEER'S CERTIFICATION AND APPLICANT'S CERTIFICATION HAVE BEEN PROVIDED TO NCDENR AND FINAL APPROVAL ISSUED.
- UNDERGROUND UTILITIES- ALL NEW UTILITIES SHALL BE INSTALLED UNDERGROUND, EXCEPT WHERE SUCH PLACEMENT IS PROHIBITED OR DEEMED IMPRACTICAL BY THE UTILITY PROVIDER. UNDERGROUND FACILITIES FOR STREET LIGHTING ALONG ALL PUBLIC STREETS ABUTTING THE SUBJECT SITE SHALL BE INSTALLED BY THE DEVELOPER.

GENERAL NOTES:

- NEW HANOVER COUNTY PARCEL NUMBER(S): PID = R06515-002-004-000
- TOTAL PROJECT AREA: 102,851 SF (2.36 AC)
- EXISTING ZONING DISTRICT: CS (CD)
- CAMA LAND CLASSIFICATION: URBAN
- THIS SITE IS LOCATED WITHIN ZONE "X" ACCORDING TO FEMA FIRM COMMUNITY PANEL NUMBER 3720311700L, EFFECTIVE DATE 8/28/18
- SITE ADDRESS: 3705 CAROLINA BEACH ROAD
- BOUNDARY AND TOPOGRAPHIC SURVEY PERFORMED AND PROVIDED TO CSD ENGINEERING BY PORT CITY GEOMATICS; VERTICAL DATUM = 88
- STORMWATER DRAINS TO CAPE FEAR RIVER, SC 18-(71)
- LAND OWNER - ACQUISITION HOLDINGS, LLC
PO BOX 749
WRIGHTSVILLE BEACH, NC 28480

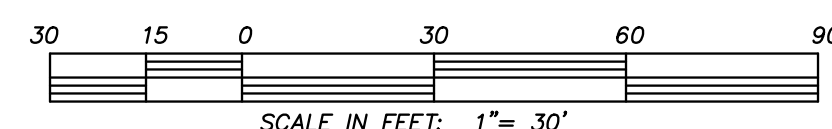
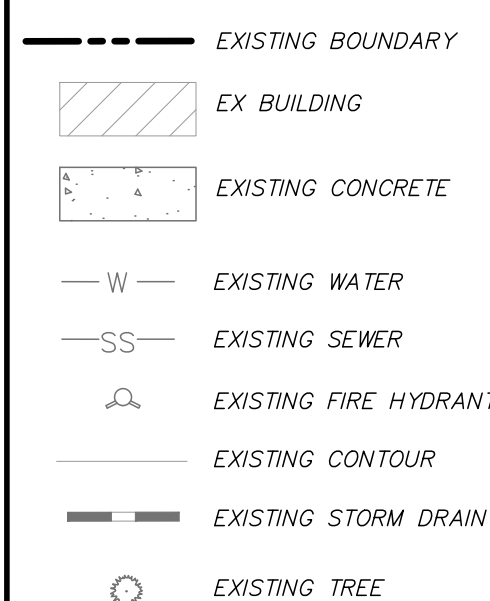
SITE & BUILDING DATA:

TOTAL LOT AREA = 102,851 SF (2.36 AC)

EXISTING IMPERVIOUS:	EXISTING IMPERVIOUS OFFSITE:
BUILDINGS = 11,859 SF	0.0 SF
CONCRETE = 35,944 SF	
TOTAL = 47,803 SF	
47,803 / 102,851 = 0.465 OR 47% IMPERVIOUS	
PROPOSED IMPERVIOUS:	PROPOSED IMPERVIOUS OFFSITE:
EX. BUILDINGS = 11,859 SF	
PROP. BUILDING EXPANSION = 2,490 SF	
EX. CONCRETE = 33,454 SF	
TOTAL = 47,803 SF	
47,803 / 102,851 = 0.465 OR 47% IMPERVIOUS	
SOILS ON SITE KU (KUREB-URBAN) LE (LEON SAND) MU (MURVILLE) LE - SCS SOIL GROUP "A/D" PER USDA SOIL SURVEY WEBSITE MU - SCS SOIL GROUP "A/D" PER USDA SOIL SURVEY WEBSITE	
PROPOSED IMPERVIOUS OFFSITE:	
0.0 SF	
BUILDING HEIGHT: TO MATCH EXISTING; NOT TO EXCEED 35 FT	
BUILDING TYPE: S-2 TYPE 2B	
BUILDING COVERAGE:	
14,079 / 102,851 = 0.137 OR 14%	

SETBACKS:	REQUIRED	PROVIDED
FRONT	35	73.9
SIDE	7	> 25
REAR	15	> 15

LEGEND



CSD ENGINEERING

LICENSE # C-2710
ENGINEERING
LAND PLANNING
COMMERCIAL / RESIDENTIAL

P.O. BOX 4041
WILMINGTON, NC 28406
(910) 791-4441

SITE PLAN
CAR STAR

LOCATED IN CITY OF WILMINGTON
NEW HANOVER COUNTY, NORTH CAROLINA

OWNER:
ACQUISITION HOLDINGS LLC
PO BOX 749
WRIGHTSVILLE BEACH, NC 28480

SITE PLAN
CAR STAR

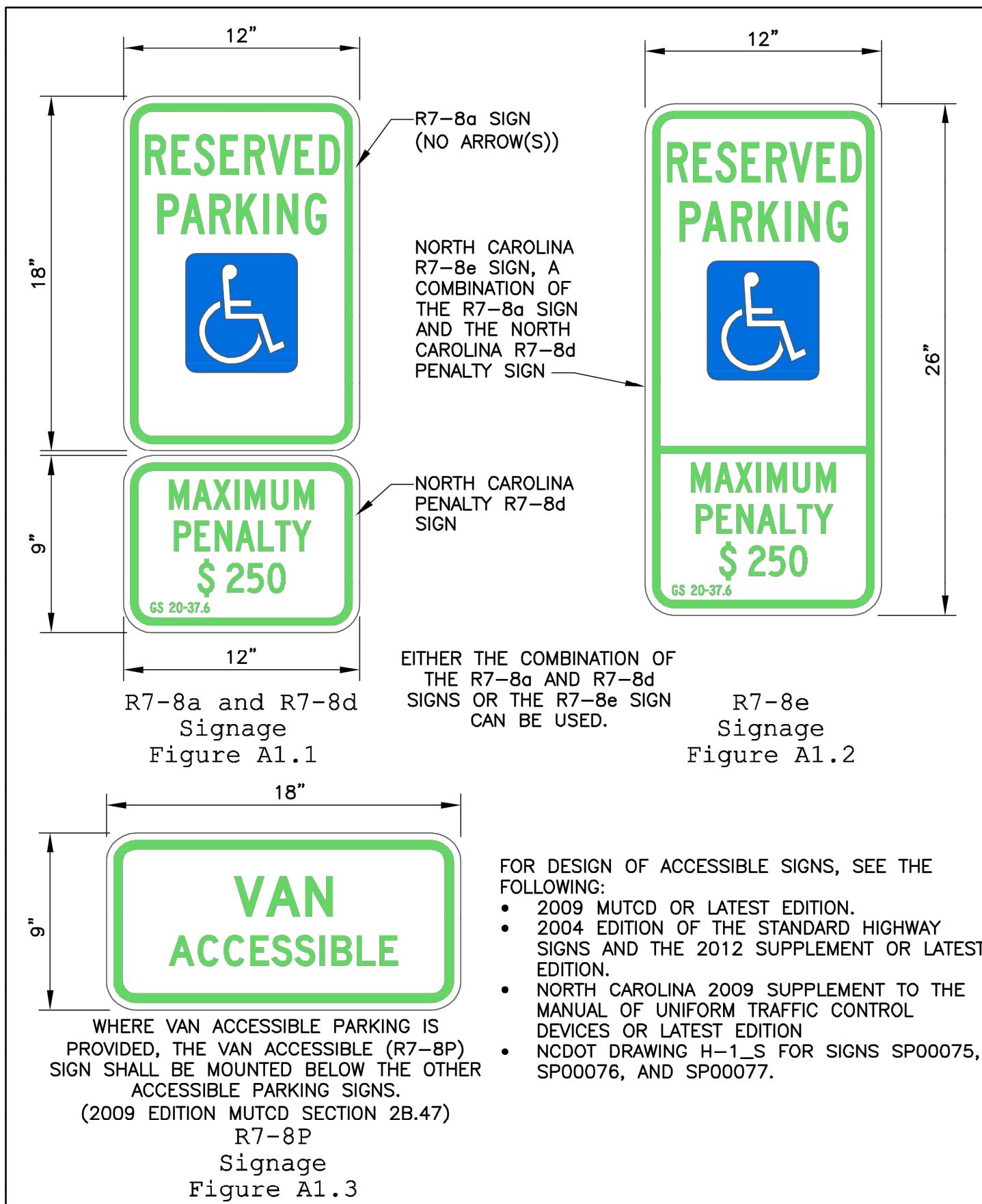
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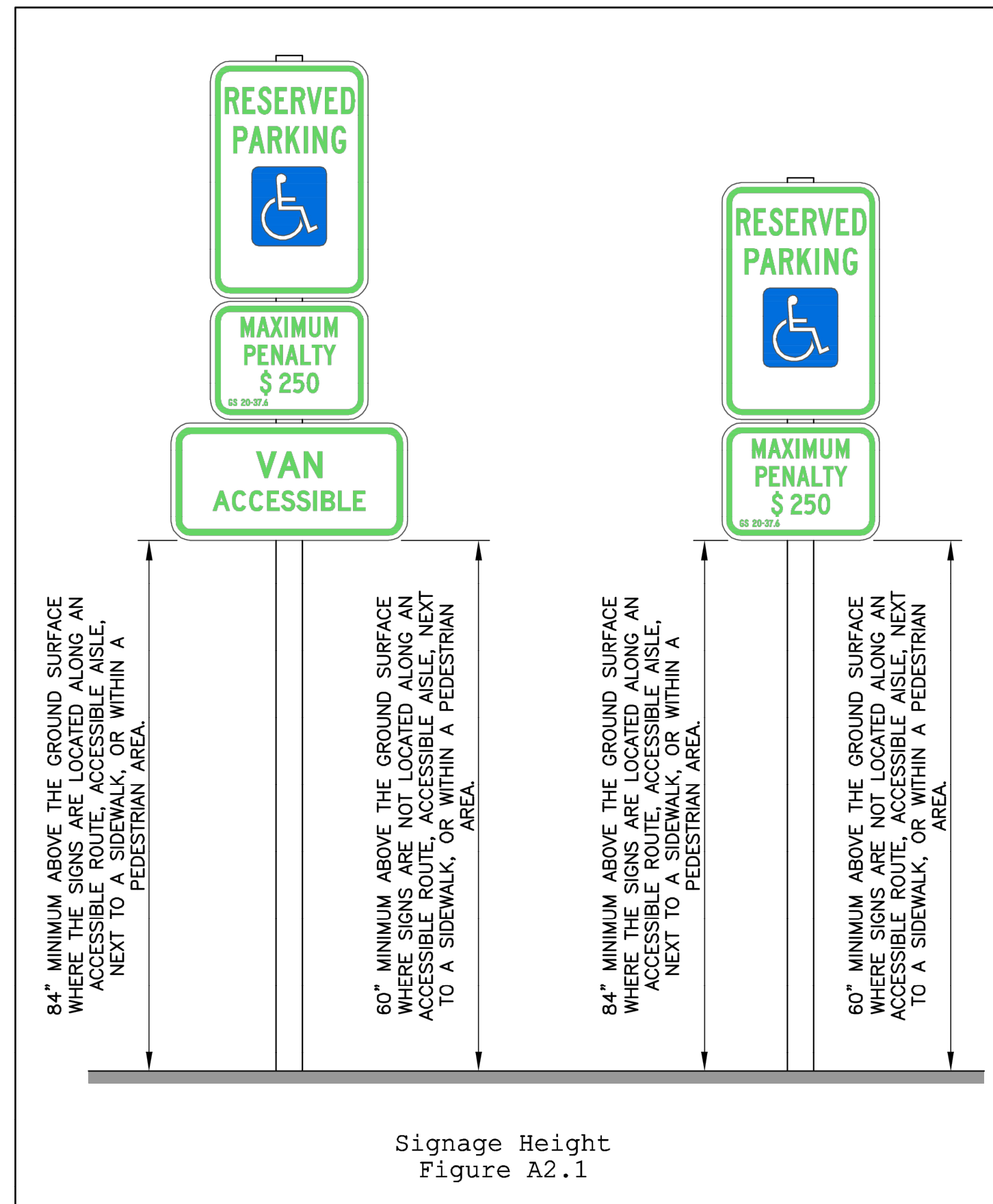
PRELIMINARY

REV.	NO.	DATE	REMARKS
2	1	11-27-19	REVISED PER TRC COMMENTS, SHEET NUMBER CHANGE
1	1	12-19-19	REVISED BUILDING ADDITION SIZE

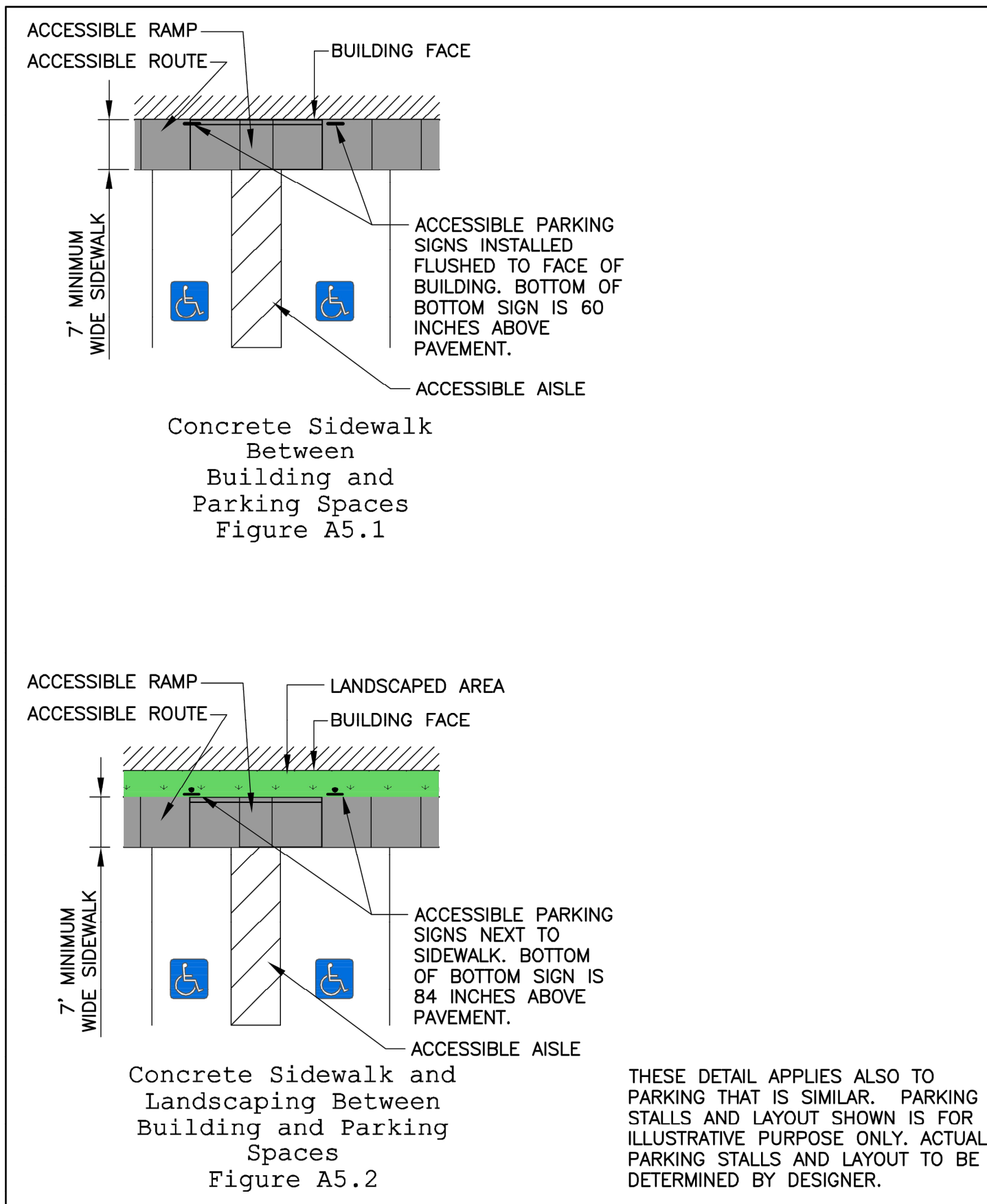
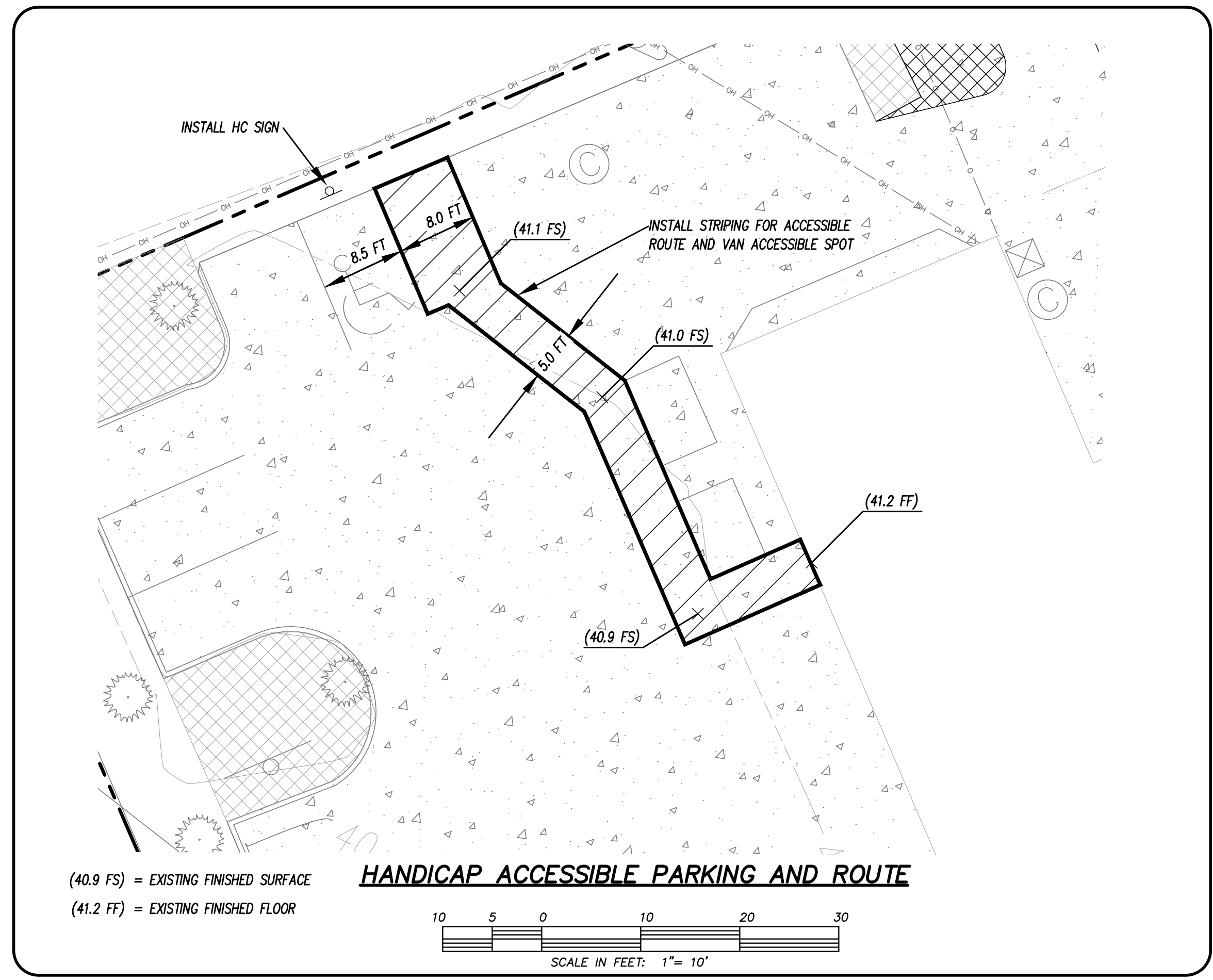
DATE: 11-27-19
HORZ. SCALE: 1" = 30'
VERT. SCALE: N/A
DRAWN BY: RLW
CHECKED BY: HSR
PROJECT NO.: 19-0502



DATE: NOVEMBER 8, 2016	ACCESSIBLE PARKING SIGNS AND INSTALLATION DETAILS SHEET A1 OF 5	
DRAWN BY: DALE THOMPSON		
CHECKED BY: RANDALL GLAZIER		
SCALE: NOT TO SCALE		



DATE: NOVEMBER 8, 2016	ACCESSIBLE PARKING SIGNS AND INSTALLATION DETAILS SHEET A2 OF 5	
DRAWN BY: DALE THOMPSON		
CHECKED BY: RANDALL GLAZIER		
SCALE: NOT TO SCALE		



DATE: NOVEMBER 8, 2016	ACCESSIBLE PARKING SIGNS AND INSTALLATION DETAILS SHEET A5 OF 5	
DRAWN BY: DALE THOMPSON		
CHECKED BY: RANDALL GLAZIER		
SCALE: NOT TO SCALE		

Public Service Engineering Division

 APPROVED DRAINAGE PLAN

 Date: _____ Permit # _____

 Signed: _____

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Approved Construction Plan

 Name _____ Date _____

 Planning _____

 Traffic _____

 Fire _____

CSD ENGINEERING

 LICENSE # C-2710

 ENGINEERING

 LAND PLANNING

 COMMERCIAL / RESIDENTIAL

 P.O. BOX 4041

 WILMINGTON, NC 28406

 (910) 791-4441

SITE DETAILS

CAR STAR

SITE DETAILS

CAR STAR

 LOCATED IN CITY OF WILMINGTON

 NEW HANOVER COUNTY, NORTH CAROLINA

 OWNER:

 ACQUISITION HOLDINGS LLC

 PO BOX 749

 WRIGHTSVILLE BEACH, NC 28480

PRELIMINARY

REV.	NO.	REMARKS	BY	DATE

DATE: 2-25-20

 HORZ. SCALE: 1" = 10'

 VERT. SCALE: N/A

 DRAWN BY: RLW

 CHECKED BY: HSR

 PROJECT NO.: 19-0502

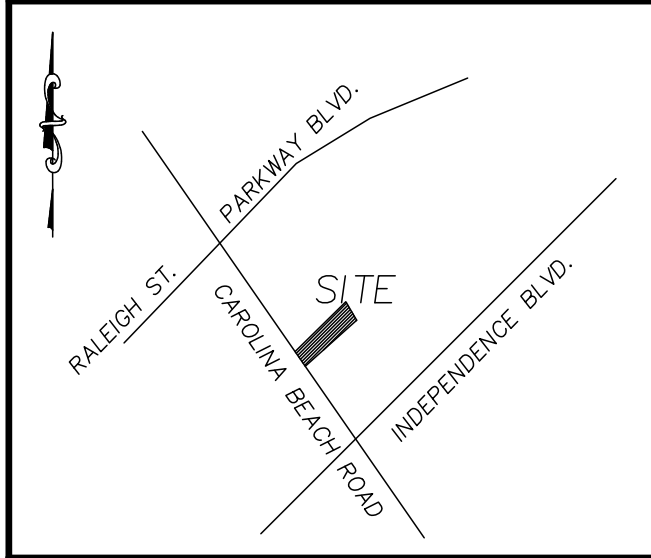
 Sheet No. **3** of **3**

SITE IS CURRENTLY DEVELOPED.

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LOCATION MAP

NOT TO SCALE



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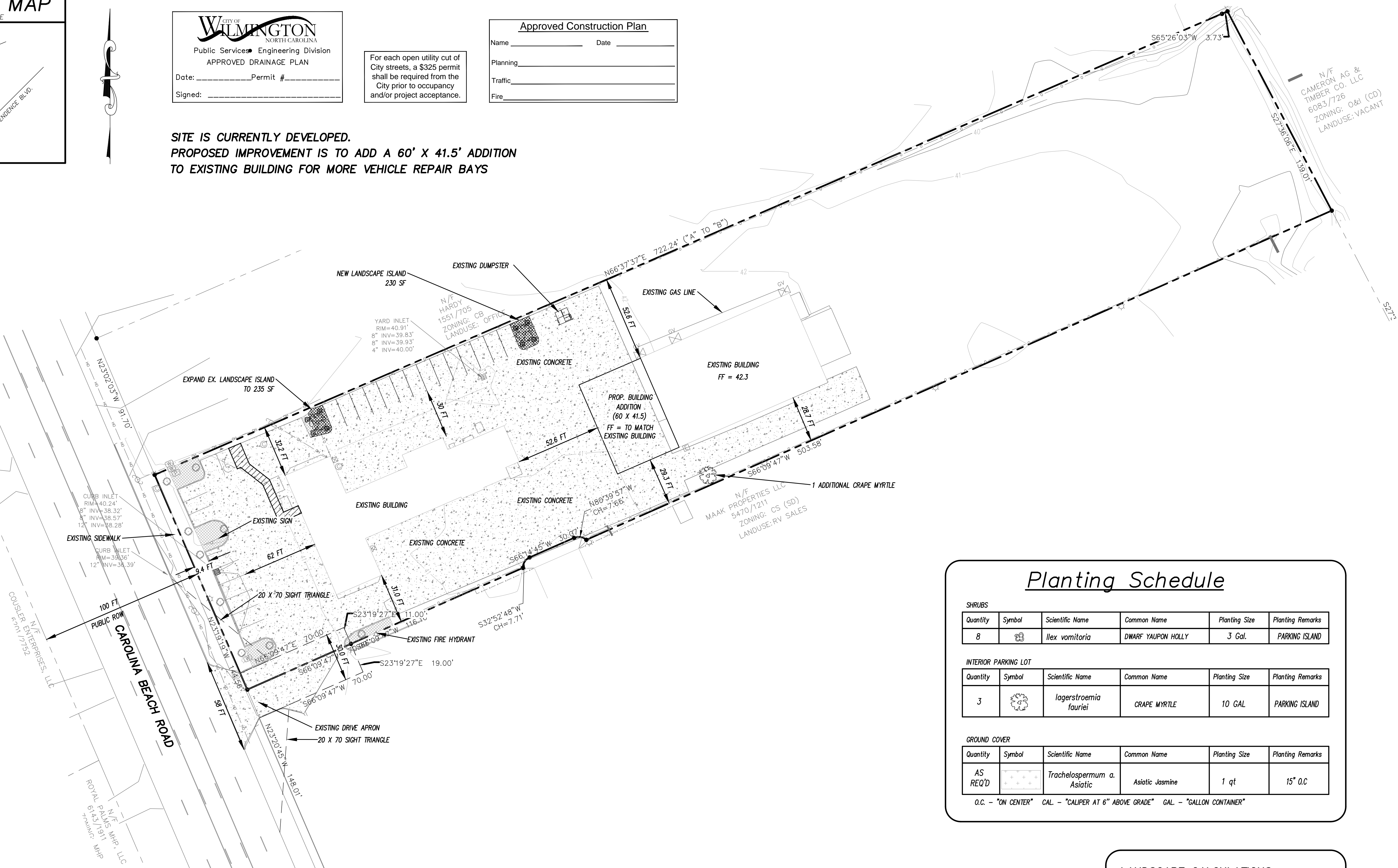
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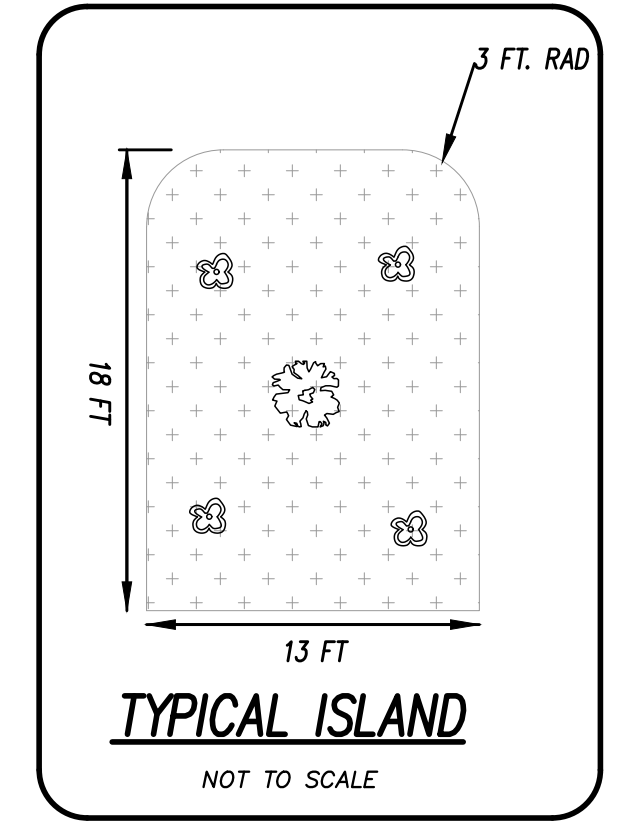
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Planting Schedule

Quantity	Symbol	Scientific Name	Common Name	Planting Size	Planting Remarks
8		<i>Ilex vomitoria</i>	DWARF YAUPON HOLLY	3 Gal.	PARKING ISLAND
3		<i>lagerstroemia tauriei</i>	GRAPE MYRTLE	10 GAL	PARKING ISLAND
AS REQ'D		<i>Trachelospermum a. Asiatic</i>	Asiatic Jasmine	1 qt	15" O.C.

O.C. - "ON CENTER" CAL. - "CALIPER AT 6" ABOVE GRADE" GAL. - "GALLON CONTAINER"



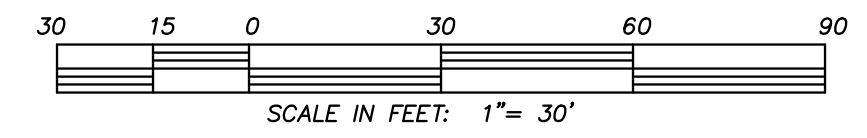
LANDSCAPE CALCULATIONS:

SEC 16-510 TABLE III REQUIREMENTS FOR EXPANSION
10-25% INCREASE IN OGA
TREES - 15 PER DISTURBED ACRE
STREET YARD - 1/2 REQUIRED FOR NEW CONSTRUCTION
INTERIOR LANDSCAPING - 4 PERCENT
BUFFER YARD - N/A

- DISTURBANCE - BUILDING FOOTPRINT AND NEW LANDSCAPE ISLANDS
2,490 + 397 = 2,887 SF (0.07 AC)
15 X 0.07 = 1.05 TREES REQUIRED
1 TREE PROVIDED
- STREET YARD LANDSCAPING
5 EXISTING GRAPE MYRTLES
- INTERIOR LANDSCAPING:
33,454 SF PARKING AREA, 4% REQ'D; 33,454 * 0.04 = 1,338 SF OF REQUIRED
983 SF OF EXISTING INTERIOR LANDSCAPING
397 SF OF PROPOSED INTERIOR LANDSCAPING
983 + 397 = 1,380 SF
- PARKING ISLAND LANDSCAPING:
1 CANOPY TREE AND SHRUBBERY * 2 INTERIOR PARKING ISLANDS
2 CANOPY TREE AND SHRUBS REQ'D; 2 CANOPY TREE AND SHRUBS PROVIDED

LEGEND

- EXISTING BOUNDARY
- ▨ EX BUILDING
- ▨ EXISTING CONCRETE
- W- EXISTING WATER
- SS- EXISTING SEWER
- ⊕ EXISTING FIRE HYDRANT
- EXISTING CONTOUR
- EXISTING STORM DRAIN
- ⊙ EXISTING TREE



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LANDSCAPE PLAN
CAR STAR

LANDSCAPE PLAN
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Sheet No. LP of LP