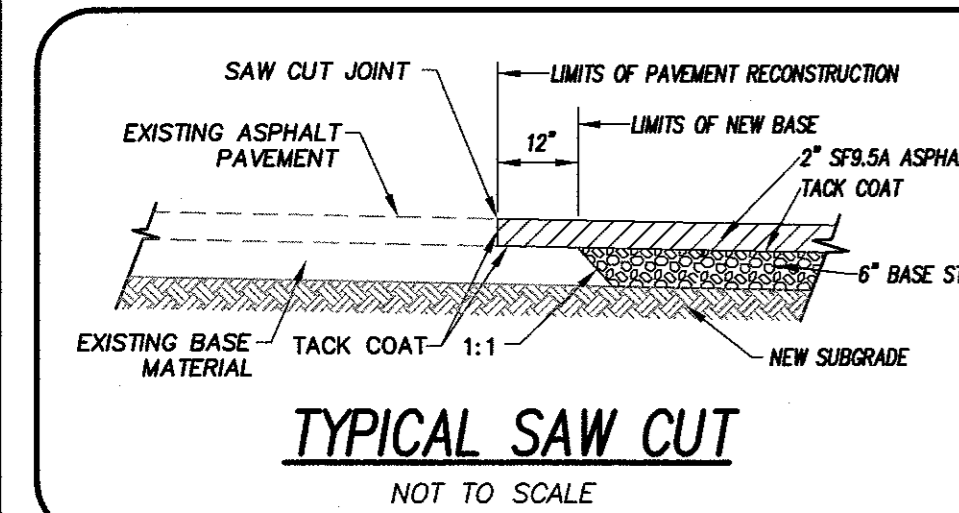
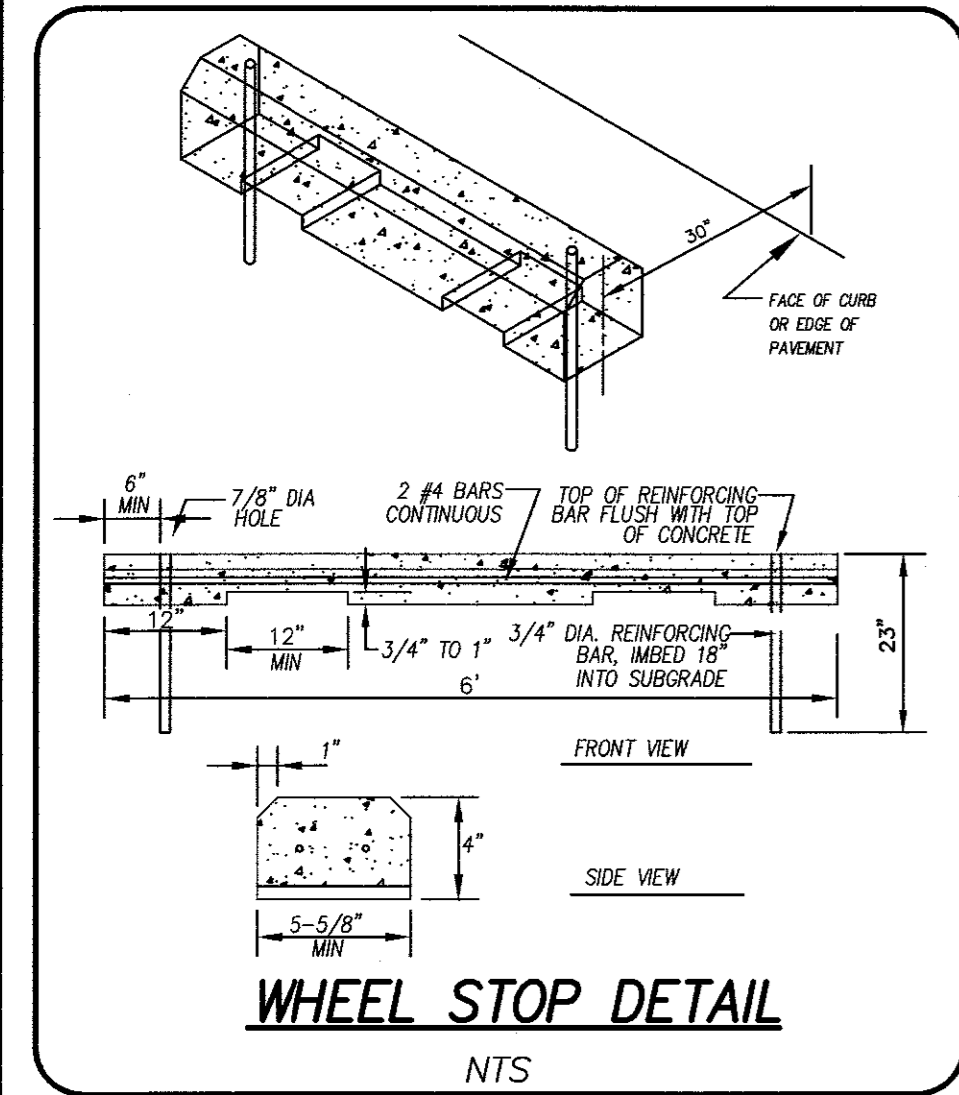
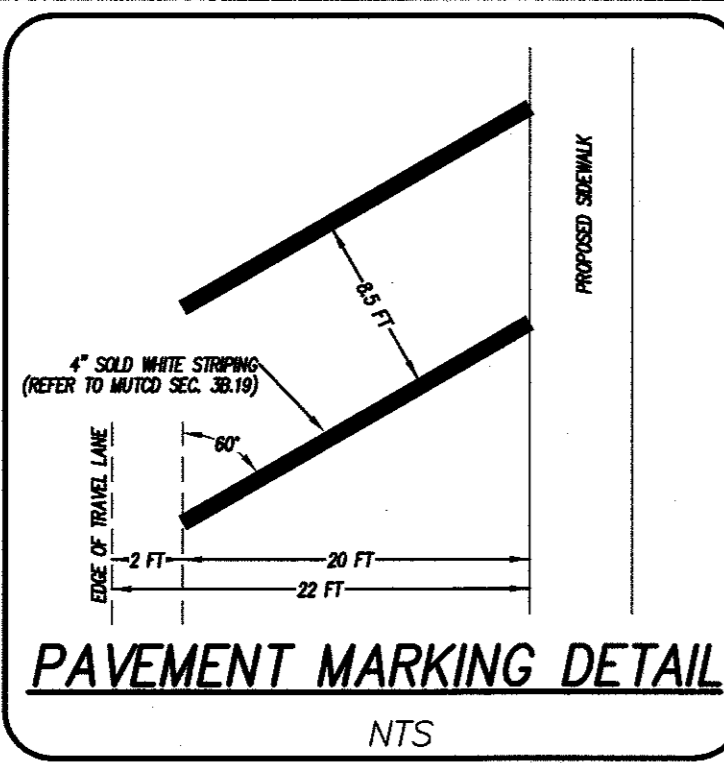
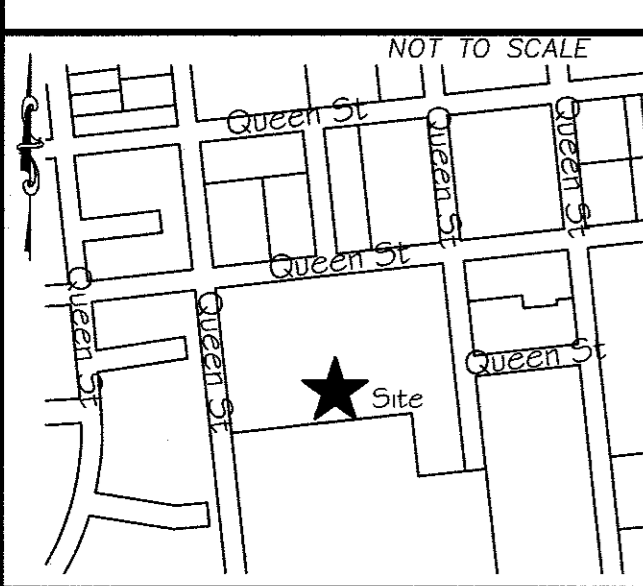


LOCATION MAP



MINOR/CONCEPT SITE PLAN REVIEW

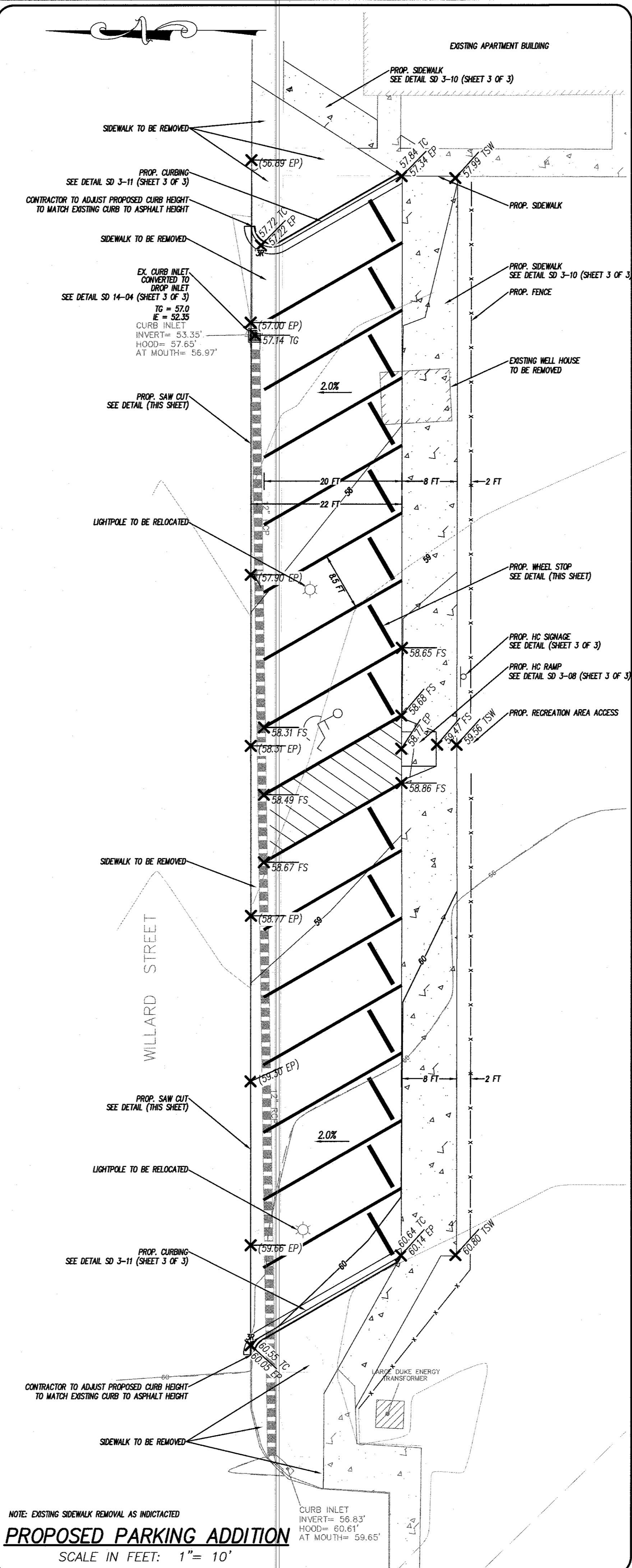
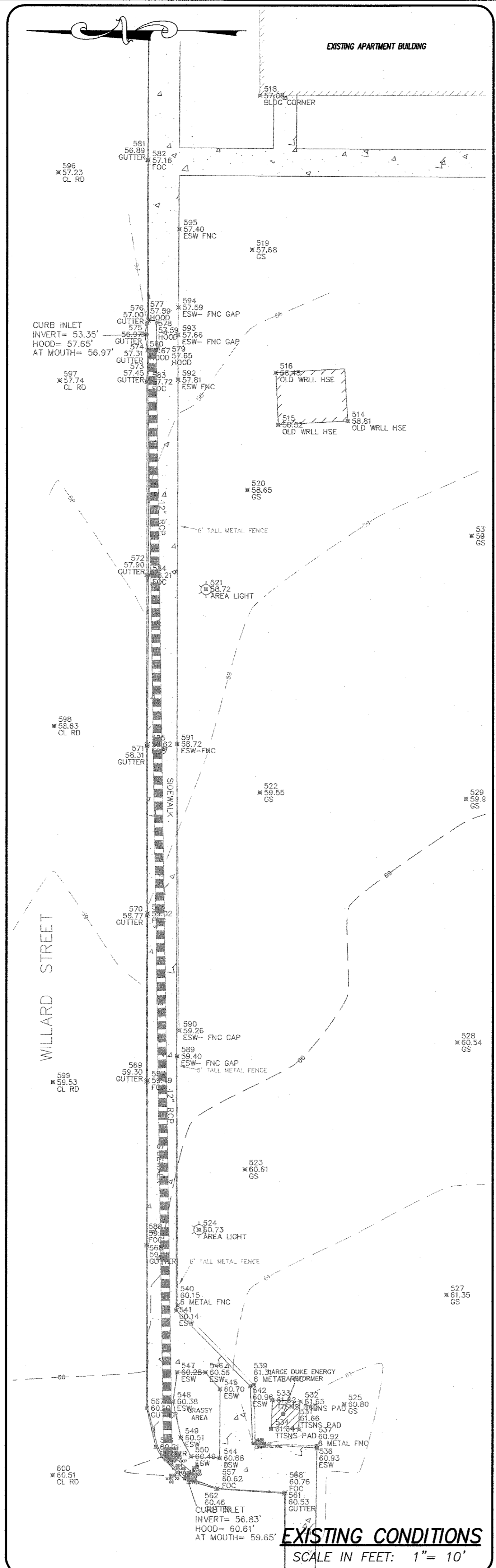
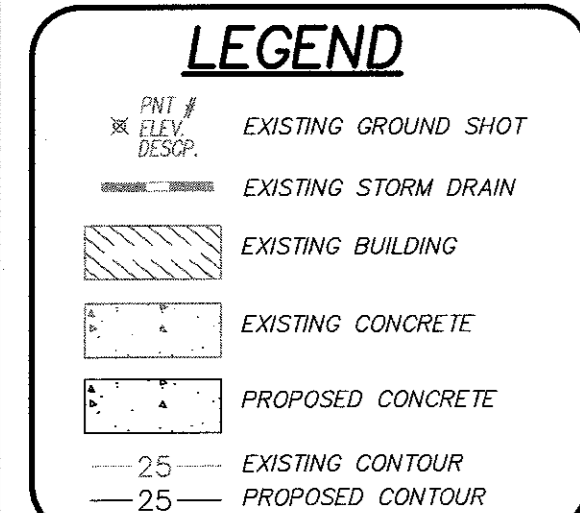
SITE DATA:

- DEVELOPMENT NAME: HOUSTON MOORE TERRACE
- PROPERTY OWNER: WILMINGTON HOUSING AUTHORITY
1524 S. 16TH STREET
WILMINGTON, NC 28402
- PROJECT ADDRESS(S): 1601 S. 13TH STREET
- TAX PARCEL NUMBER(S): 00418-005-001-000
- ZONING DISTRICT: MF-M MULTI-FAMILY
- TOTAL PROJECT AREA: 5,888 SF (0.135 AC)
- CAMA LAND USE CLASSIFICATION: URBAN
- IMPERVIOUS AREA:

EXISTING IMPERVIOUS AREA	EXISTING SIDEWALK	= 1,095 SF
TOTAL		= 1,095 SF
1,095 SF / 5,888 SF	EXISTING IMPERVIOUS AREA:	18.6%
- PROPOSED IMPERVIOUS AREA:

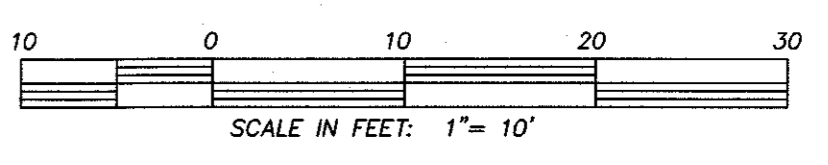
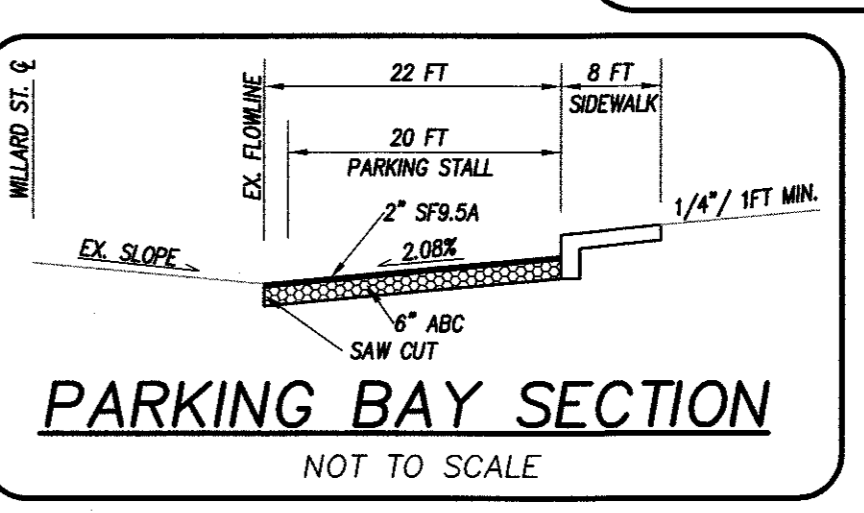
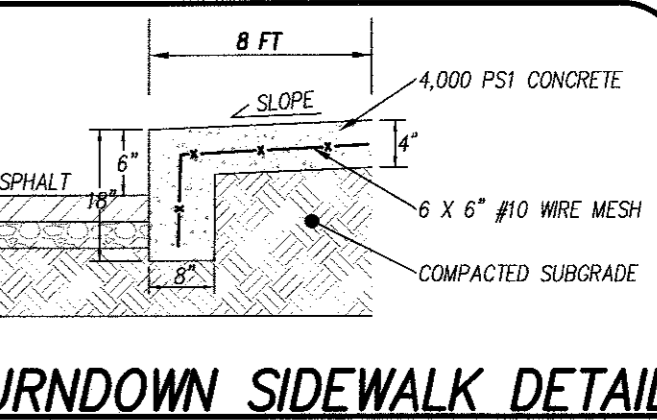
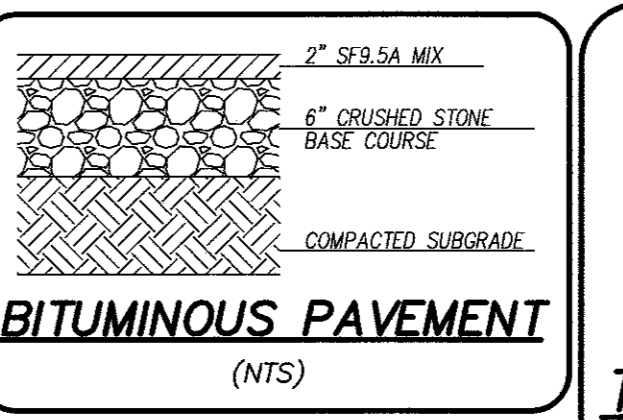
PROPOSED ASPHALT PARKING ADDITION	= 3,631 SF	
PROPOSED CONCRETE SIDEWALK	= 1,452 SF	
TOTAL	= 5,083 SF	
5,083 SF / 5,888 SF	PROPOSED IMPERVIOUS AREA:	86.3%
- PARKING PER SEC. 18-532:

28R UNITS (61 @ 2 SPACES)	= 122 SPACES
38R+ UNITS (89 @ 2-25 SPACES)	= 207 SPACES
TOTAL	= 329 SPACES
EXISTING STREET PARKING	= 91 SPACES
EXISTING OFF-STREET PARKING	= 99 SPACES
TOTAL EXISTING PARKING	= 190 SPACES
PROPOSED STREET PARKING	= 14 SPACES
PROPOSED HC PARKING	= 1 SPACE
TOTAL ADDITIONAL PARKING	= 15 SPACES
TOTAL PROPOSED PARKING	= 205 SPACES



GENERAL NOTES

- TOPOGRAPHIC SURVEY PERFORMED AND PROVIDED TO CSD ENGINEERING BY POLARIS SURVEYING, PLLC, SEALED BY SEALED BY MARC GLEN PLS L-4308 04/03/18
- THIS MAP IS NOT FOR CONVEYANCE, RECORDATION, OR SALES.
- SITE PLAN APPROVAL HAS NOT BEEN GRANTED BY CITY OF WILMINGTON
- ALL CONSTRUCTION TO CONFORM TO NEW HANOVER COUNTY STANDARDS AND APPLICABLE STATE & LOCAL CODES.
- CONTRACTOR TO COORDINATE ANY REQUIRED TRAFFIC CONTROL WITH CITY OF WILMINGTON AND OR NCDOT.
- CARE SHALL BE TAKEN DURING FINAL GRADING TO ENSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS AND TO RECEIVING STRUCTURES. ROOF DRAIN DOWNSPOUTS TO BE CONNECTED TO STORM DRAINAGE STUBOUTS OR DIRECTED TO STREET/PARKING AREAS.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ANY RELOCATIONS, RE-ALIGNMENTS, DISCONNECTIONS OR CONNECTIONS OF EXISTING UTILITIES WITH APPLICABLE AUTHORITIES.
- CLEARING AND GRUBBING OF SITE TO INCLUDE REMOVAL OF EXISTING CURB, ASPHALT, INLETS, AND ANY OTHER STRUCTURES INCLUDING TREES, STUMPS AND DEBRIS EXISTING ON SITE. TREES NOT REQUIRED TO BE CLEARED FOR CONSTRUCTION SHALL REMAIN UNLESS OTHERWISE DIRECTED.
- INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT ELEVATIONS AND LOCATIONS OF ALL EXISTING UTILITIES AT ALL CROSSINGS PRIOR TO COMMENCING TRENCH EXCAVATION. IF ACTUAL CLEARANCES ARE LESS THAN INDICATED ON PLAN, THE CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION. ANY CONDITION DISCOVERED OR EXISTING THAT WOULD NECESSITATE A MODIFICATION OF THESE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION.
- NO CONSTRUCTION IS TO BEGIN BEFORE LOCATION OF EXISTING UTILITIES HAS BEEN DETERMINED. CALL "NO ONE-CALL" AT LEAST 48 HOURS BEFORE COMMENCING CONSTRUCTION.
- CONTRACTOR SHALL ADJUST ALL MANHOLES, VALVE & CURB BOXES TO FINAL GRADE UPON COMPLETION OF ALL CONSTRUCTION. ANY BOXES DAMAGED OR OTHERWISE DISTURBED BY THE CONTRACTOR SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST AND EROSION DURING CONSTRUCTION AT HIS EXPENSE. PARKING AREAS SHALL BE WATERED TO CONTROL DUST WHEN ORDERED BY THE ENGINEER.
- NO GEOTECHNICAL TESTING HAS BEEN PERFORMED ON SITE. NO WARRANTY IS MADE FOR SUITABILITY OF SUBGRADE, AND UNDERCUT AND ANY REQUIRED REPLACEMENT WITH SUITABLE MATERIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR TO ENSURE THAT PAVEMENT IS PLACED SO AS TO DRAIN POSITIVELY TO THE STREET INLETS AND CATCH BASINS. ALL FUTURE ROOF DRAIN DOWNSPOUTS TO BE DIRECTED TO THE STORM DRAINAGE STUBOUTS.
- CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS.
- THIS PLAN IS FOR SITE GRADING, UTILITIES, SITING, AND DRAINAGE ONLY.
- CONTRACTOR AND BUILDER ARE RESPONSIBLE FOR COORDINATING FINISHED FLOOR ELEVATION OF ALL BUILDINGS WITH THE OWNER. ELEVATIONS GIVEN ARE MINIMUM GROUND ELEVATIONS AT THE BUILDING SITE AND DO NOT PURPORT TO BE FINISHED FLOOR. MINIMUM RECOMMENDED FF ELEVATIONS SHOWN ON PLANS.
- AFFECTED NON-MUNICIPAL UTILITIES SHALL BE CONTACTED AND PROVIDED WITH PLANS AND OTHER PERTINENT INFORMATION, WHEN FEASIBLE, TO COORDINATE APPROPRIATE SCHEDULING AND PLACEMENT.
- EXTREME CARE SHALL BE TAKEN TO ENSURE MINIMUM SEPARATIONS AT ALL UTILITY CROSSINGS.
- MINIMUM SEPARATION SHALL BE MAINTAINED AS FOLLOWS:
 - HORIZONTAL SEPARATION OF 10 FEET BETWEEN SANITARY SEWER AND WATER MAINS AND STORM SEWER.
 - WHERE VERTICAL CLEARANCE IS LESS THAN 24" BETWEEN SANITARY SEWER AND WATER OR WHERE SEWER LINE CROSSES ABOVE WATER MAIN, BOTH PIPES SHALL BE DUCTILE IRON PIPE FOR A MINIMUM OF 10' EITHER SIDE OF CROSSING.
 - WHERE VERTICAL CLEARANCE IS LESS THAN 24" BETWEEN SANITARY SEWER AND STORM DRAIN, SANITARY SEWER SHALL BE DUCTILE IRON PIPE FOR A MINIMUM OF 10 FEET EITHER SIDE OF CROSSING.
 - WHERE VERTICAL CLEARANCE IS LESS THAN 12" BETWEEN SANITARY SEWER AND STORM DRAIN, SANITARY SEWER SHALL BE DUCTILE IRON PIPE FOR A MINIMUM OF 10' EITHER SIDE OF CROSSING, AND BRIDGING SHALL BE INSTALLED PER APPLICABLE UTILITY AUTHORITY'S DETAILS.
 - IN NO CASE SHALL THERE BE LESS THAN 18" OF SEPARATION BETWEEN OUTSIDE OF WATER MAIN AND OUTSIDE OF SEWER OR STORM DRAINAGE.
 - MINIMUM COVER OF 36" SHALL BE PROVIDED FOR ALL BURIED WATER MAINS AND SANITARY SEWER MAINS.



CSD ENGINEERING
 LICENSE # C-2710
 ENGINEERING
 LAND PLANNING
 COMMERCIAL / RESIDENTIAL
 P.O. BOX 4041
 WILMINGTON, NC 28406
 (910) 791-4441

SITE IMPROVEMENT PLAN FOR WILMINGTON HOUSING AUTHORITY

WILMINGTON HOUSING AUTHORITY
 LOCATED IN CITY OF WILMINGTON
 NEW HANOVER COUNTY, NORTH CAROLINA
 OWNER: WILMINGTON HOUSING AUTHORITY
 1601 S. 13TH STREET
 WILMINGTON, NC 28402

NO.	DATE	BY	REMARKS
1	2/22/13	ASB	ISSUED FOR CONSTRUCTION
2			
3			

DATE: 5-15-18
 HORZ. SCALE: 1" = 10'
 VERT. SCALE: N/A
 DRAWN BY: JSM
 CHECKED BY: HSR
 PROJECT NO.: 18-0438
 Sheet No. **1** of **2**