



WILM. HOUSING AUTHORITY  
DB:869 @ PG:411  
ZONING: HD-R  
USE: APARTMENTS

SUSPENDED CROSSWALK  
CAUTION LIGHTS & SIGN

DONALD PIKE GAIL REV. TRUST  
DB:5706 @ PG:897  
ZONING: UMX  
USE: NEIGHBORHOOD RETAIL

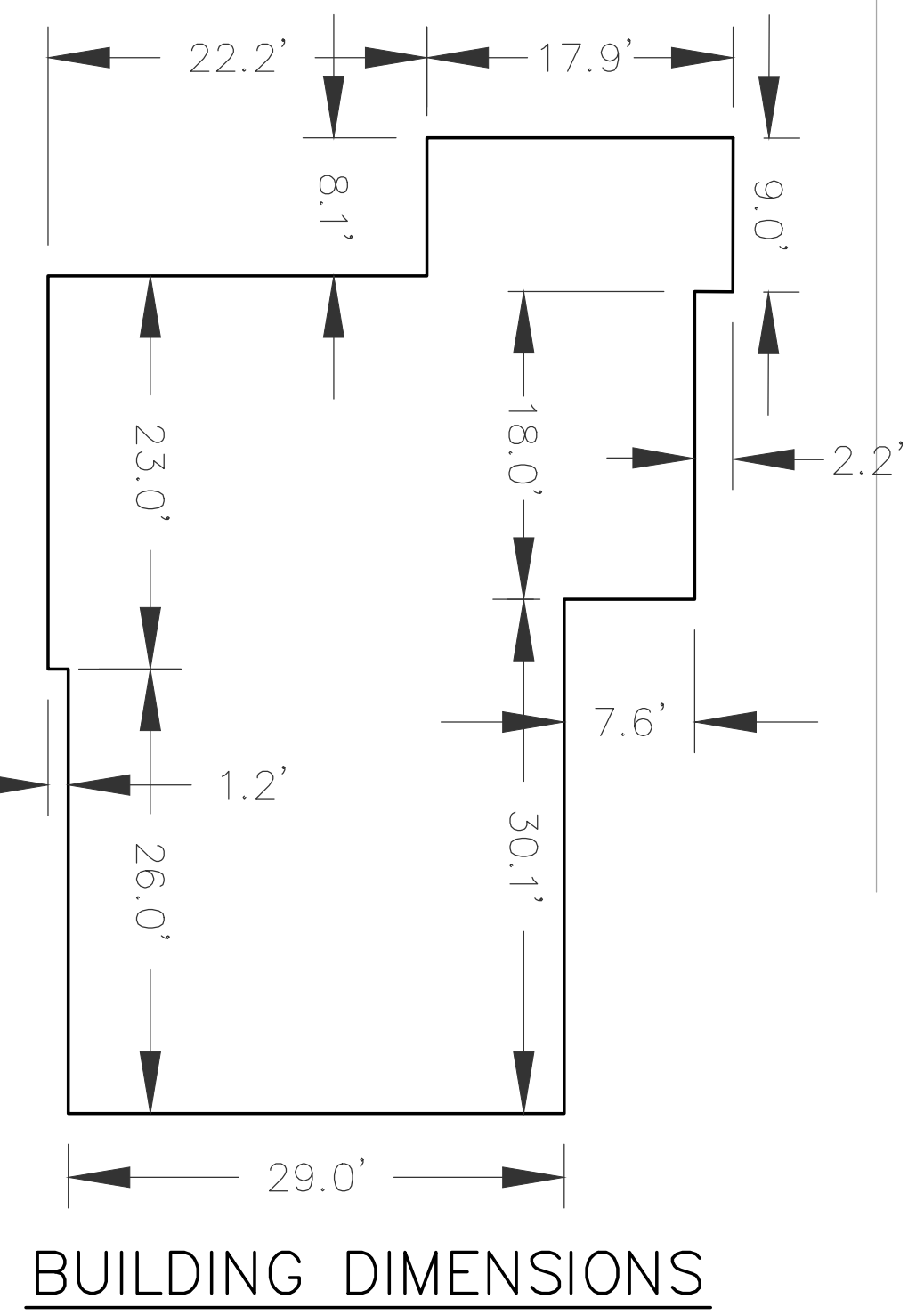
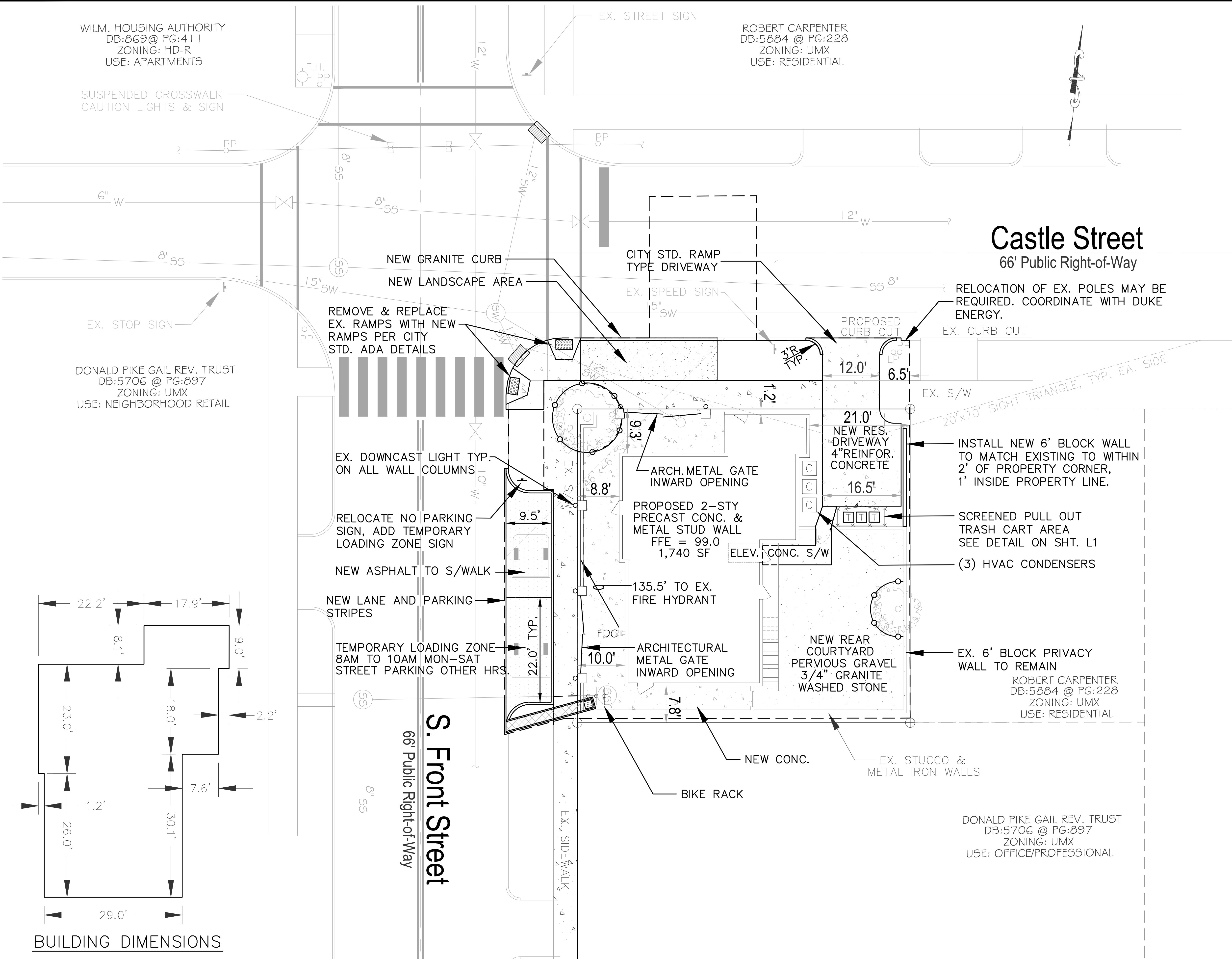
ROBERT CARPENTER  
DB:5884 @ PG:228  
ZONING: UMX  
USE: RESIDENTIAL

**LEGEND**

- WATER VALVE
- WATER METER
- TRASH CART
- MANHOLE
- BIKE RACK
- D.S. DOWNSPOUT
- FLOW ARROW
- S-F SILT FENCE
- LIMITS OF DISTURBANCE



**Castle Street**  
66' Public Right-of-Way



SITE DATA TABLE	
PIN	R05409-016-002-000
ADDRESS	601 SOUTH FRONT ST. WILMINGTON, NC 28401
TELEPHONE	910-352-6256
EMAIL ADDRESS	hodgkinsgrace@gmail.com
ZONING	UMX
OWNER	GRACE HODGKINS
ADDRESS	601 SOUTH FRONT ST. WILMINGTON, NC 28401
ACREAGE	0.1 AC (4,620 SF)
SETBACKS REQUIRED / PROVIDED	0' ALL SIDES/SIDES: 1.2', 7.8', FRT: 8.8', BACK: 19.9'
ON-SITE QUANTITIES	
EX. BLDG. FOOTPRINT - BUILDING LOT COVERAGE	1,463 SF = 0.03 AC (32%)
EX. CONCRETE	1,922 SF = 0.04 AC (42%)
EX. GRAVEL	805 SF = 0.02 AC (19%)
TOTAL EX. IMPERVIOUS	4,190 SF = 0.10 AC (92%)
EX. CONCRETE TO BE REMOVED	1,825 SF = 0.04 AC (20%)
EX. BUILDING TO BE REMOVED	1,463 SF = 0.03 AC (32%)
EX. GRAVEL TO BE REMOVED	805 SF = 0.02 AC (19%)
TOTAL EX. IMPERVIOUS TO BE REMOVED	4,093 SF = 0.09 AC (88%)
PROPOSED 2-STORY BUILDING FOOTPRINT	1,740 SF = 0.04 AC (38%)
PROPOSED CONCRETE SIDEWALK	85 SF = 0.001 AC (1%)
PROPOSED CONCRETE DRIVE	398 SF = 0.01 AC (13%)
PROPOSED CONCRETE FRONT/SIDE OF HOUSE	840 SF = 0.02 AC (21%)
TOTAL PROPOSED IMPERVIOUS	3,063 SF = 0.07 AC (65%)
PERVIOUS GRAVEL COURTYARD	1,037 SF = 0.02 AC (21%)
TOTAL SITE BUILT-UPDN AREA	4,097 SF = 0.09 AC (88%)
OFF-SITE QUANTITIES	
EX. CONCRETE TO BE REMOVED	648 SF = 0.01 AC
TOTAL EX. IMPERVIOUS TO BE REMOVED	648 SF = 0.01 AC
PROPOSED CONCRETE DRIVE WITHIN R/W	112 SF = 0.01 AC
PROPOSED ASPHALT LOADING ZONE	451 SF = 0.01 AC
TOTAL EX. IMPERVIOUS TO BE REMOVED (OFF SITE)	563 SF = 0.01 AC
TOTAL DISTURBED AREA	6,927 SF = 0.16 AC
FIRST FLOOR (APARTMENT - 1BR)	954 SF
FIRST FLOOR (RETAIL)	754 SF
SECOND FLOOR (RESIDENCE - 2BR)	1,478 SF
BUILDING HEIGHT	34
EXISTING PARKING	0 SPACES
PARKING REQUIRED	NONE (1945 CORPORATE LIMITS)
EX. PROTECTED TREES ON SITE / PRESERVED	2 / 2
CAMA LAND USE DESIGNATION	URBAN
USDA SOIL CLASSIFICATION - ENTIRE SITE	KUREB-URBAN LAND
FEMA FLOOD ZONE X	FEMA MAP PANEL 3720311700L
CAPE FEAR RIVER BASIN	NORTHEAST CAPE FEAR RIVER, CLASS SC/SW
BUILDING CONSTRUCTION TYPE	V-B
ESTIMATED TRIP GENERATION	
RESIDENTIAL	13 TOTAL, 10AM PEAK, 20PM PEAK
COMMERCIAL	16 TOTAL, 10AM PEAK, 10PM PEAK

- FIRE & LIFE SAFETY NOTES:**
- Contractor shall maintain an all-weather access for emergency vehicles at all times during construction
  - A hydrant must be within 150' of the FDC (measured as the truck drives for practical use)
  - FDC must be within 40' of fire apparatus placement
  - 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
  - Additional fire protection and/or accessibility requirements may be required due to any special circumstances concerning the project.
  - Private Underground Fire Lines require a separate underground fire line permit from the Wilmington Fire and Life Safety Division 910-343-0696
  - Contractor shall submit a Radio Signal Strength Study for all commercial buildings that demonstrates that existing emergency responder radio signal levels meet the requirements of Section 510 of the 2018 NC Fire Code.
  - All isolation valves within the "Hot Box" and between the "Hot Box" and the riser room, must be electrically supervised.
  - Prior to any clearing, grading or construction activity, tree protection fencing will be installed around protected trees or groves of trees. No construction workers, tools, materials or vehicles are permitted within the tree protection fencing.

- GENERAL NOTES:**
1. Any broken or missing sidewalk panels, driveway panels and curbing will be replaced to match existing.
  2. Contact 811 prior to contacting City of Wilmington, Traffic Engineering regarding the utilities in ROW.
  3. Contact Traffic Engineering at (910) 341-7888 to discuss street lighting options.
  4. All site lighting shall be located, angled, shielded and/or limited in intensity so as to cast no direct light upon adjacent properties, shall minimize off-site backlighting glare and up-lighting. Light posts shall be no taller than twelve (12) feet.

**CITY OF WILMINGTON**  
NORTH CAROLINA  
Public Services • Engineering Division  
APPROVED DRAINAGE PLAN  
Date: \_\_\_\_\_ Permit # \_\_\_\_\_  
Signed: \_\_\_\_\_

**Approved Construction Plan**

Name	Date
Planning	
Traffic	
Fire	



FOR REGULATORY REVIEW - NOT FOR CONSTRUCTION

REV. NO.	DESCRIPTION	DATE

**601 SOUTH FRONT STREET**  
**GRACE HODGKINS RESIDENCE**  
WILMINGTON, NEW HANOVER, NORTH CAROLINA

**SITE PLAN**

**RIGHT ANGLE ENGINEERING, P.C.**  
212 PRINCESS STREET  
WILMINGTON, NC 28401 FIRM# C-0829  
(910) 251-8544 FAX (910) 251-2208 FIRM: C-0829

DATE: 9/30/20  
Scale: 1"=10'  
Drawn: NNC  
Checked: WSL  
Project No: GH0120  
Sheet No: C2

WILM. HOUSING AUTHORITY  
DB:869 @ PG:411  
ZONING: HD-R  
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SUSPENDED CROSSWALK  
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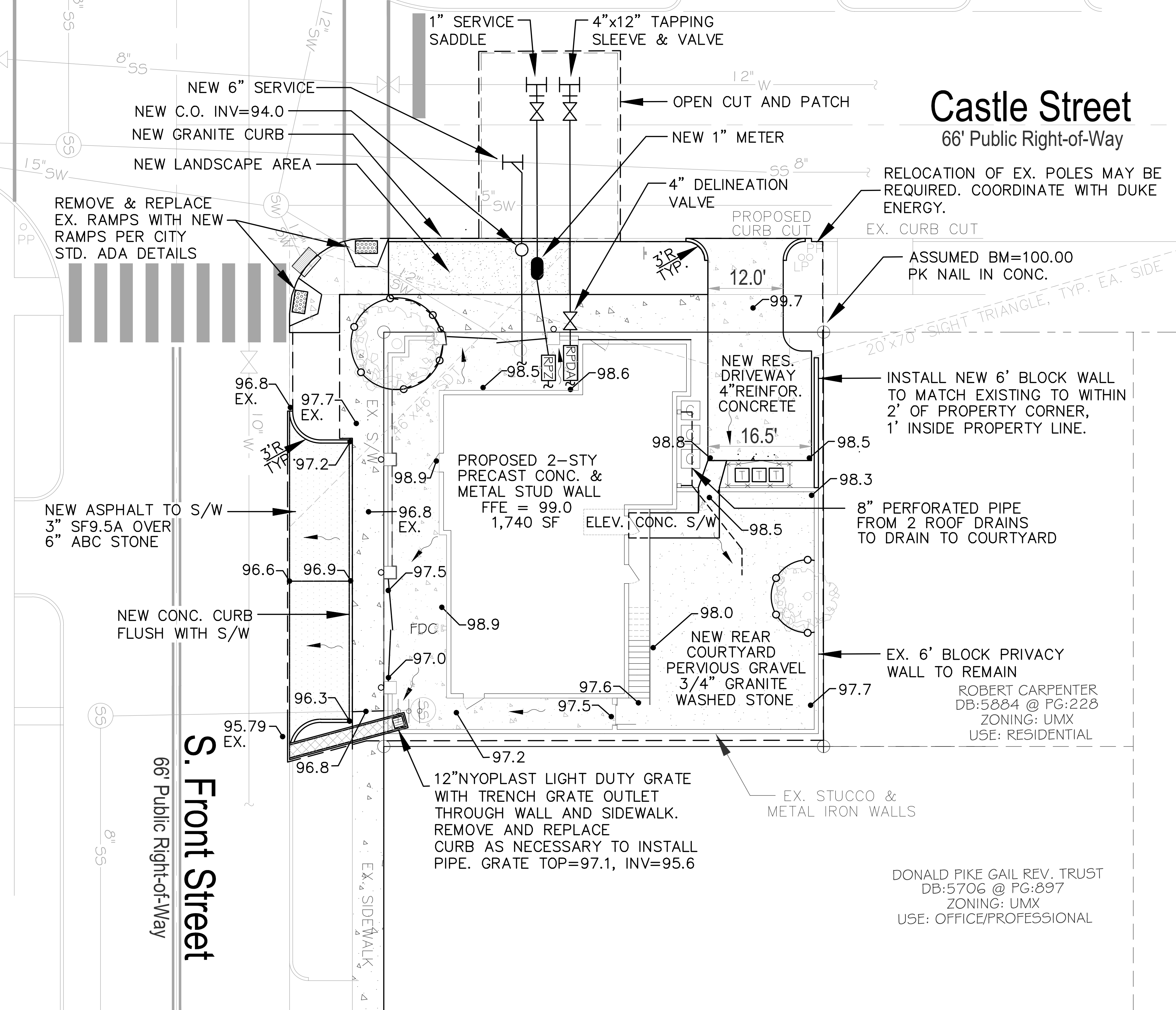
ROBERT CARPENTER  
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**LEGEND**

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CAPE FEAR RIVER BASIN	NORTHEAST CAPE FEAR RIVER, CLASS SCjSw
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**CITY OF WILMINGTON**  
NORTH CAROLINA  
Public Services • Engineering Division  
APPROVED DRAINAGE PLAN  
Date: \_\_\_\_\_ Permit # \_\_\_\_\_  
Signed: \_\_\_\_\_

**Approved Construction Plan**

Name	Date
Planning	
Traffic	
Fire	



FOR REGULATORY REVIEW - NOT FOR CONSTRUCTION

REV. NO.	DESCRIPTION	DATE

**PLAN**  
**GRACE HODGKINS RESIDENCE**  
WILMINGTON NEW HANOVER NORTH CAROLINA

DATE: 9/30/20  
Scale: 1"=10'  
Drawn: NNC  
Checked: WSL  
Project No: GH0120  
Sheet No: C3

**UTILITY AND DRAINAGE PLAN**

**RIGHT ANGLE ENGINEERING, P.C.**  
212 PRINCESS STREET  
WILMINGTON, NC 28401 FIRM# C-0829  
(910) 251-8544 FAX (910) 251-2208 FIRM: C-0829

**VEGETATION PLAN**

- AFTER COMPLETE STABILIZATION OF THE ENTIRE COVERED AREA, TOP COVER SOILS WILL BE ROUGHENED BY MAKING 1"-2" DEEP GROOVES PERPENDICULAR TO THE SLOPE.
- SPREAD LIME (AGRICULTURAL LIMESTONE) EVENLY OVER THE AREA AT A RATE OF 1.5 TONS/ACRES; SPREAD 10-10-10 FERTILIZER AT THE RATE SPECIFIED AND INCORPORATE INTO THE TOP 6" OF SOIL.
- LOOSEN SURFACE PRIOR TO APPLYING SEED/SOD.
- BROADCAST/INSTALL SEED/SOD AT RECOMMENDED RATES.
- RAKE SEED INTO THE SOIL AND LIGHTLY PACK SEED/SOD TO ESTABLISH GOOD CONTACT.
- IF SEEDING, MULCH WITH 4000 LB/ACRE GRAIN STRAW OR EQUIVALENT AND ANCHOR BY WEIGHTED FARM DISC SET NEARLY STRAIGHT (OR OTHER MULCH ANCHORING TOOL).
- MOW AS NEEDED AND REAPPLY FERTILIZER IN LATE WINTER OR EARLY SPRING BY TOPDRESSING WITH 10-10-10 FERTILIZER.
- SOIL STABILIZATION SHALL BE ACHIEVED ON ANY AREA OF A SITE WHERE LAND DISTURBING ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED ACCORDING TO THE FOLLOWING SCHEDULE: 1) ALL PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3:1 SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 7 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY. 2) ALL OTHER DISTURBED AREAS SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 14 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY.

**MAINTENANCE PLAN**

- ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF-PRODUCING RAINFALL, BUT IN NO CASE, LESS THAN ONCE EVERY WEEK AND WITHIN 24 HOURS OF EVERY HALF-INCH RAINFALL.
- ALL POINTS OF EGRESS WILL HAVE CONSTRUCTION ENTRANCES THAT WILL BE PERIODICALLY TOP-DRESSED WITH AN ADDITIONAL 2 INCHES OF #4 STONE TO MAINTAIN PROPER DEPTH. THEY WILL BE MAINTAINED IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE SITE. IMMEDIATELY REMOVE OBJECTIONABLE MATERIAL SPILLED, WASHED OR TRACKED ONTO THE CONSTRUCTION ENTRANCE OR ROADWAYS.
- SEDIMENT WILL BE REMOVED FROM HARDWARE CLOTH AND GRAVEL INLET PROTECTION, BLOCK AND GRAVEL INLET PROTECTION, ROCK DOUGHNUT INLET PROTECTION AND ROCK PIPE INLET PROTECTION WHEN THE DESIGN STORAGE CAPACITY HAS BEEN HALF FILLED WITH SEDIMENT. ROCK WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS AS DESIGNED. DEBRIS WILL BE REMOVED FROM AROUND BEAVER DAMS, DANDY SACKS AND SOCKS ONCE A WEEK AND AFTER EVERY RAIN EVENT.
- SEDIMENT WILL BE REMOVED FROM BEHIND THE SEDIMENT FENCE WHEN IT BECOMES HALF FILLED. THE SEDIMENT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER. STAKES MUST BE STEEL. STAKE SPACING WILL BE 8 FEET MAX. WHEN STANDARD STRENGTH FABRIC AND WIRE BACKING ARE USED. IF ROCK FILTERS ARE DESIGNED AT LOW POINTS IN THE SEDIMENT FENCE, THE ROCK WILL BE REPAIRED OR REPLACED IF IT BECOMES HALF FULL OF SEDIMENT, NO LONGER DRAINS AS DESIGNED OR IS DAMAGED.
- SEDIMENT WILL BE REMOVED FROM THE SEDIMENT BASIN WHEN THE DESIGN STORAGE CAPACITY HAS BEEN HALF FILLED WITH SEDIMENT. ROCK WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS OR IF THE ROCK IS DISLODGED. BAFFLES WILL BE REPAIRED OR REPLACED IF THEY COLLAPSE, TEAR, DECOMPOSE OR BECOME INEFFECTIVE. THEY WILL BE REPLACED PROMPTLY. SEDIMENT WILL BE REMOVED FROM BAFFLES WHEN DEPOSITS REACH HALF THE HEIGHT OF THE FIRST BAFFLE. FLOATING SKIMMERS WILL BE INSPECTED WEEKLY AND WILL BE KEPT CLEAN.
- ALL SEEDED AREAS WILL BE FERTILIZED, RESEED AS NECESSARY AND MULCHED ACCORDING TO SPECIFICATIONS IN THE VEGETATIVE PLAN TO MAINTAIN A VIGOROUS, DENSE, VEGETATIVE COVER.
- FLOCCULENTS WILL BE USED TO ADDRESS TURBIDITY ISSUES. THE PUMPS, TANKS, HOSES AND INJECTION SYSTEMS WILL BE CHECKED FOR PROBLEMS OR TURBID DISCHARGES DAILY.

**GENERAL NOTES**

- CONTRACTOR SHALL CONTACT THE N.C. ONE CALL CENTER TO LOCATE EXISTING UTILITIES AT THE SITE PRIOR TO ANY LAND DISTURBING ACTIVITY.
- CONTRACTOR SOLELY RESPONSIBLE FOR COORDINATION WITH EXISTING UTILITIES AND ANY DAMAGE THAT OCCURS.
- ALL TREES TO BE SAVED MUST BE PROPERLY PROTECTED THROUGHOUT CONSTRUCTION.
- NO WETLANDS EXIST WITHIN THE PROJECT SITE.
- TOPOGRAPHIC AND LOCATION INFORMATION SHOWN BASED ON SITE SURVEY BY MCKIM&CREED.

**PARKING NOTES**

- WHEEL STOPS SHALL BE REQUIRED 2.5 FEET FROM THE END OF PARKING STALL WHEN USING EIGHTEEN FEET DEEP STALLS.
- ALL PARKING STALL MARKINGS AND LANE ARROWS SHALL BE WHITE.
- ALL OTHER PAVEMENT MARKINGS, SIGNS OR OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST EDITION AND/OR INTERPRETATION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- NO OBSTRUCTIONS WILL BE ALLOWED ADJACENT TO A PARKING STALL WHICH WOULD PREVENT SAFE INGRESS AND EGRESS FROM A PARKED VEHICLE.

**CONSTRUCTION SCHEDULE**

- OBTAIN PLAN APPROVAL AND OTHER APPLICABLE PERMITS.
- HOLD PRE-CONSTRUCTION MEETING AT LEAST ONE WEEK PRIOR TO BEGINNING CONSTRUCTION.
- INSTALL/MAINTAIN TEMPORARY CONSTRUCTION ENTRANCE/EXIT.
- BEFORE CLEARING AND GRADING OF SITE, INSTALL SILT FENCING AT THE BASE OF SLOPES TO RESTRICT MOVEMENT OF SEDIMENT FROM THE SITE.
- BEGIN CLEARING AND GRADING OF THE SITE. INSTALL AND STABILIZE INFILTRATION AREAS.
- INSTALL STORM PIPING, CATCH BASINS AND CURB INLETS.
- INSTALL INLET PROTECTION FOR CATCH BASINS AND CURB INLETS TO RESTRICT MOVEMENT OF SEDIMENT FROM THE SITE.
- ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE INSPECTED BI-WEEKLY AND AFTER EACH RAINFALL EVENT. ANY NECESSARY REPAIRS SHOULD BE MADE IMMEDIATELY.
- AFTER THE ENTIRE COVERED AREA IS STABILIZED, ALL TEMPORARY MEASURES WILL BE REMOVED AND PERMANENT VEGETATIVE REPAIRS SHOULD BE COMPLETED.
- FLUSH ALL PIPING OF ACCUMULATED SEDIMENT.
- CLEAN OUT INFILTRATION BASIN AND EXCAVATE TO FINAL DESIGN ELEVATION. ESTABLISH PERMANENT VEGETATION IN BASIN.

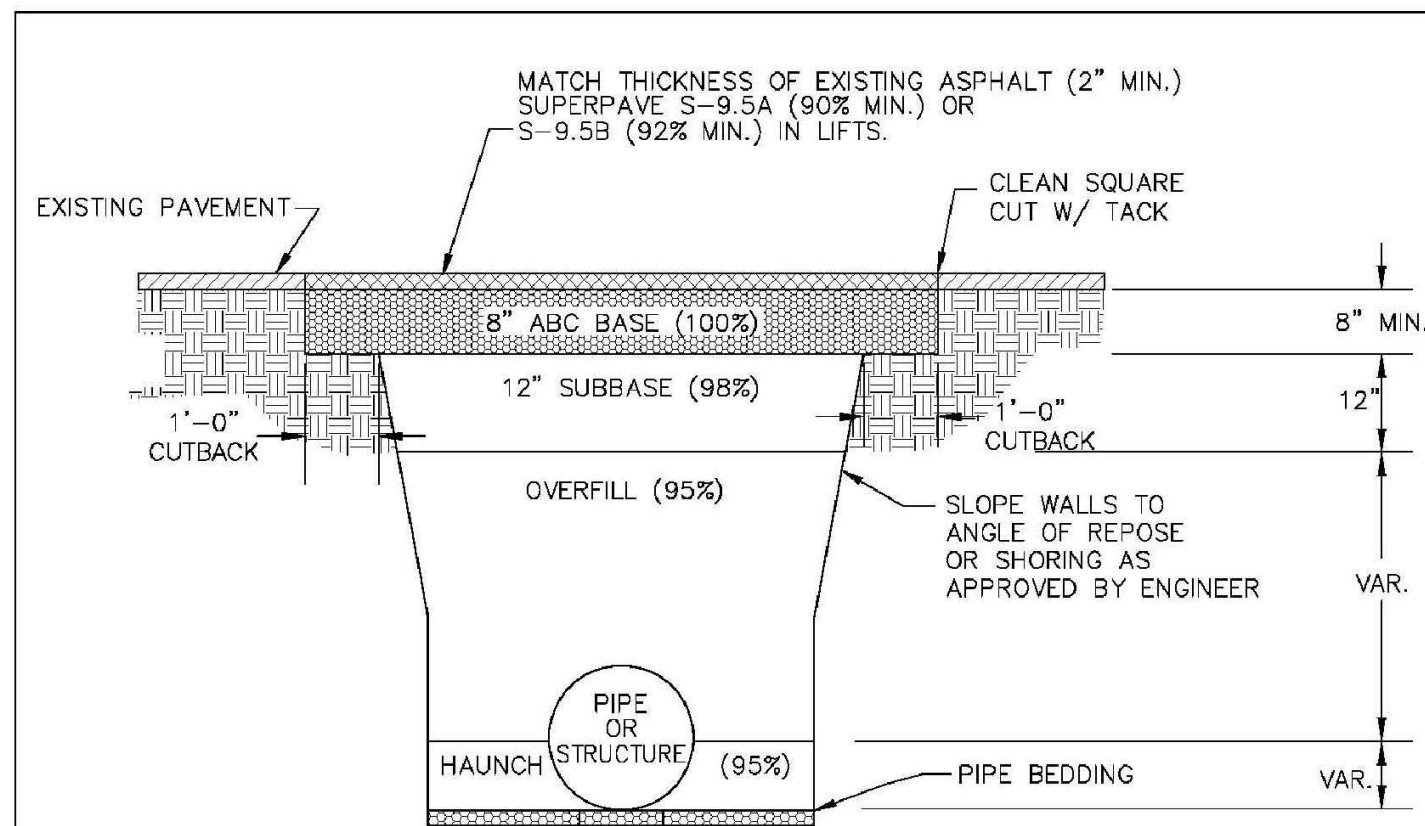


Public Services • Engineering Division  
APPROVED DRAINAGE PLAN

Date: \_\_\_\_\_ Permit # \_\_\_\_\_  
Signed: \_\_\_\_\_

**Approved Construction Plan**

Name	Date
Planning	_____
Traffic	_____
Fire	_____

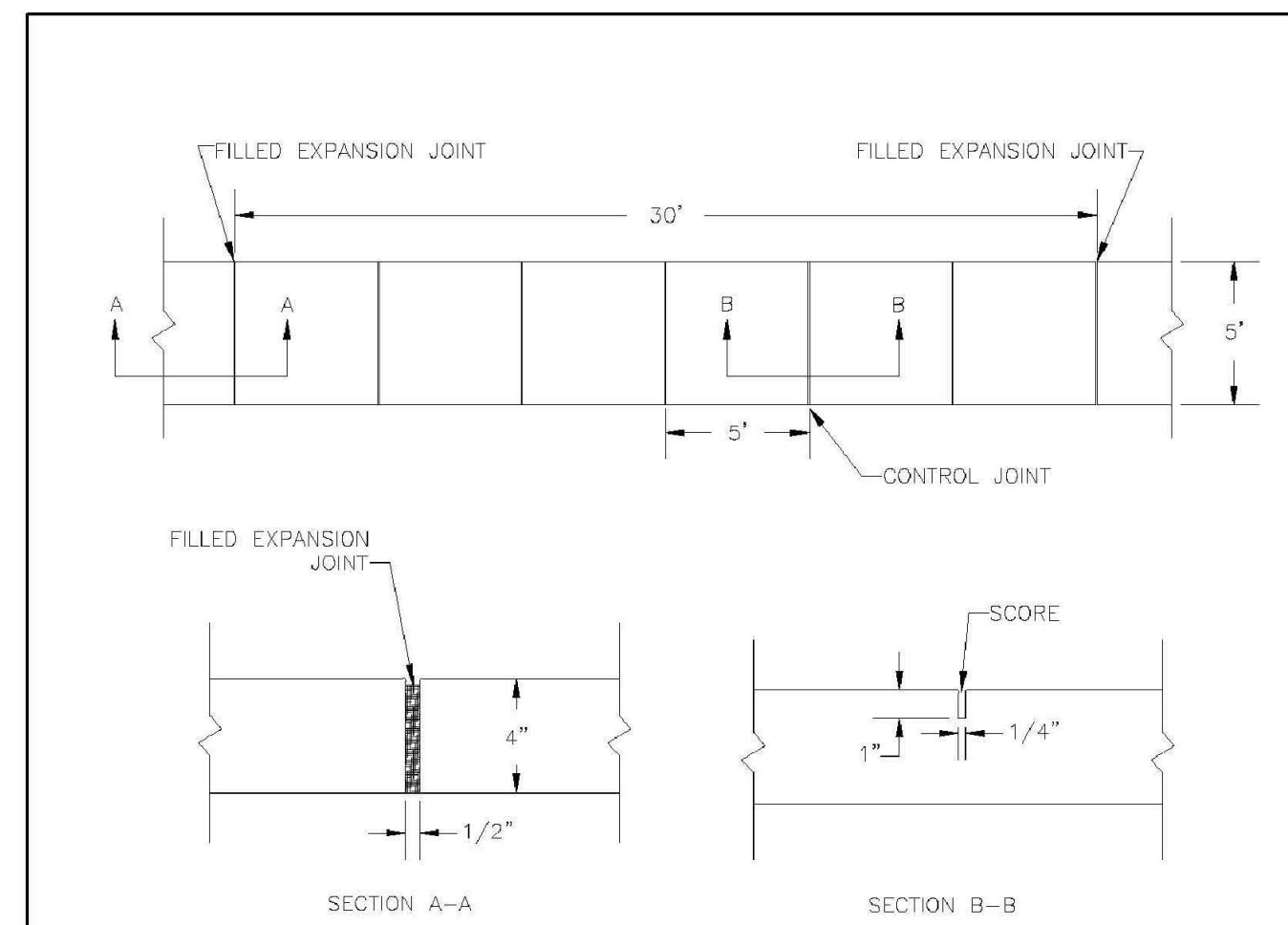


**NOTES:**

- CONTRACTOR SHALL ENSURE BOTTOM OF TRENCH IS SUITABLE FOR INSTALLATION AND DOES NOT REQUIRE FOUNDATION CONDITIONING STONE.
- FILL SHALL BE SUITABLE MATERIAL THAT IS FREE FROM HEAVY CLAY, GUMBOS, DEBRIS, ORGANICS AND LITTLE TO NO EXCESSIVE MOISTURE.
- SELECT BACKFILL MAY BE SUBSTITUTED OR REQUIRED BY CITY TO ACHIEVE COMPACTION, (I.E. #57, ABC, CRUSHED LIMESTONE, CLEAN SAND, FLOWABLE FILL, ETC).
- SOIL SHALL BE INSTALLED IN 6"-8" LIFTS AND COMPACTED BY A MECHANIZED TAMPER (I.E. JUMPING JACK), HOWEVER, VIBRATORY ROLLERS > 18" WIDTH MAY BE USED FOR LARGER EXCAVATIONS. THE PLATE TAMP METHOD SHALL NOT BE USED.
- ALL APPROVED CASTINGS SHALL BE SET FLUSH TO GRADE AND SUPPORTED IF APPLICABLE.
- COMPACT MATERIALS TO MINIMUM % DENSITY SHOWN IN DIAGRAM AS DETERMINED BY THE STANDARD PROCTOR METHOD ASTM D-698-A FOR SOILS; AND ASTM D-698-C FOR ABC STONE; AND BY NUCLEAR GAUGE OR CORE SAMPLE FOR ASPHALT.
- CUTBACKS OF ASPHALT SHALL BE PREPARED ON EDGE OF EXCAVATION OVER TOP OF UNDISTURBED SOIL.

DATE: MAY, 2013	STANDARD DETAIL
DRAWN BY: JSR	PAVEMENT REPAIRS-UTILITY CUTS
CHECKED BY: D.E.C., P.R.	
SCALE: NOT TO SCALE	

**CITY OF WILMINGTON**  
NORTH CAROLINA  
CITY OF WILMINGTON  
ENGINEERING OFFICE  
212 OPERATIONS CENTER DRIVE  
WILMINGTON, N.C. 28412  
(910) 341-7807 SD 1-05

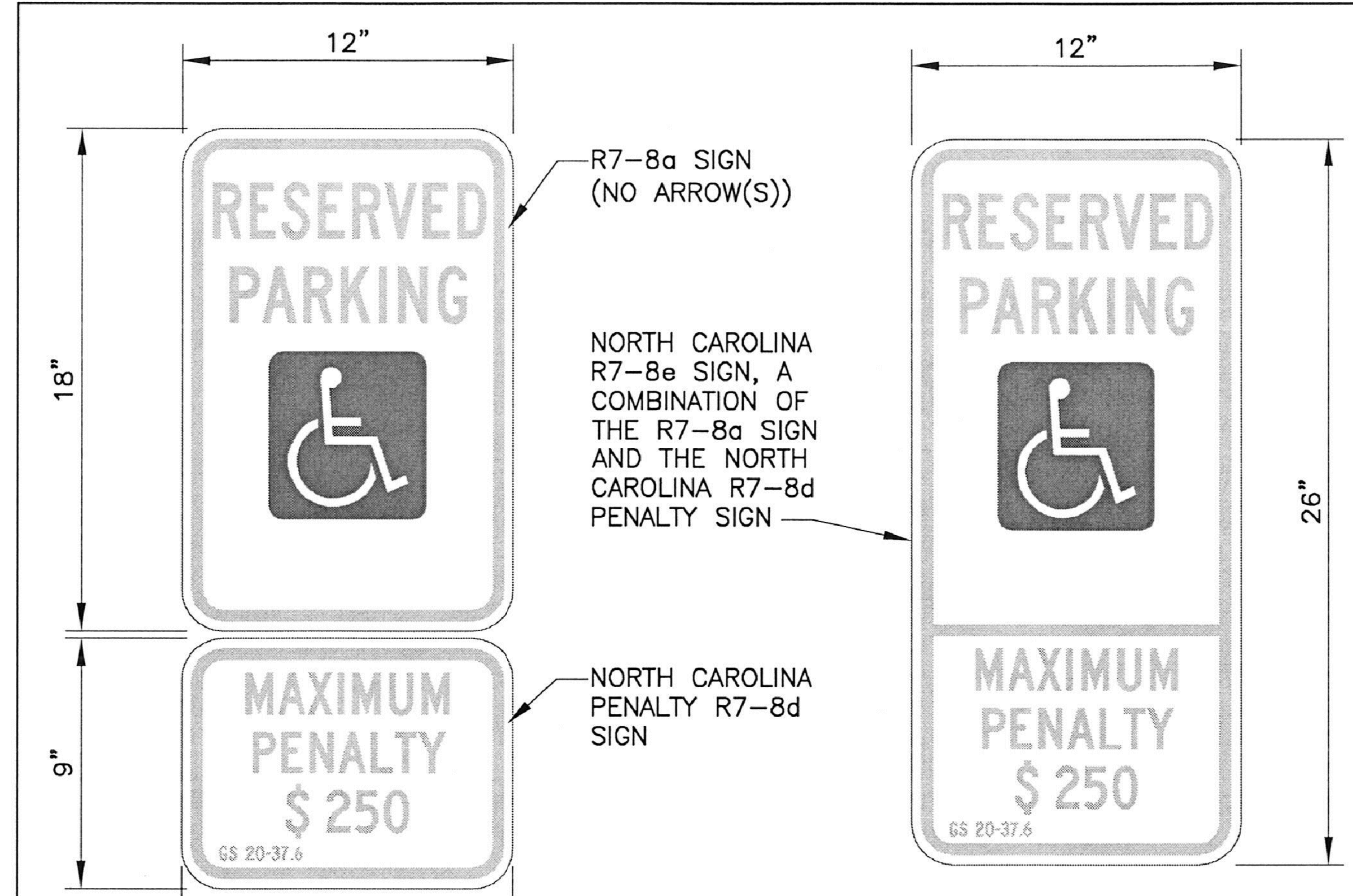


**NOTES:**

- JOINT MATERIAL TO COMPLY WITH CURRENT NCDOT STANDARDS.
- SANITARY SEWER CLEAN-OUTS, WATER METERS, MANHOLES, AND VALVE LIDS TO BE LOCATED OUTSIDE SIDEWALK WHERE FEASIBLE.
- MINIMUM SIDEWALK WIDTH TO BE 6' MINIMUM IF PLACED AT BACK OF CURB.
- CONCRETE FOR ALL SIDEWALKS (EXCEPT ANY PORTION CONTAIN WITHIN A DRIVEWAY APRON) SHALL BE CLASS "A" - 3,000 PSI.
- MINIMUM REPLACEMENT FOR REPAIRS IS A 5' X 5' PANEL.
- 4" STONE BASE MAY BE REQUIRED FOR POOR SOIL CONDITIONS.
- MINIMUM DEPTH FOR TUNNELING BELOW SIDEWALK IS 12"
- MAX ADJACENT GROUND SLOPE WITHOUT RAILING IS 2:1
- MIN GRADE FOR PROPER DRAINAGE IS 1% IN AT LEAST 1 DIRECTION. MAX CROSS SLOPE IS 2%. MAX LONGITUDINAL SLOPE IS 0.3%, 10% IF LIMITED BY EXISTING CONDITIONS, OR NO GREATER THAN THE SLOPE OF THE EXISTING ADJACENT ROAD.

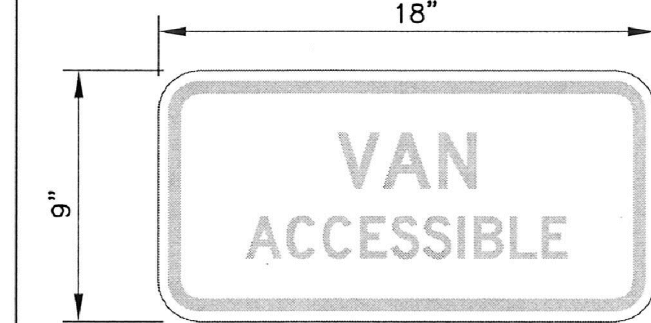
DATE: OCTOBER, 2010	STANDARD DETAIL
DRAWN BY: PB/JSR	SIDEWALK
CHECKED BY: DEC	
SCALE: NOT TO SCALE	

**CITY OF WILMINGTON**  
NORTH CAROLINA  
CITY OF WILMINGTON ENGINEERING  
PO BOX 1810  
WILMINGTON, N.C. 28402  
(910) 341-7807 SD 3-10



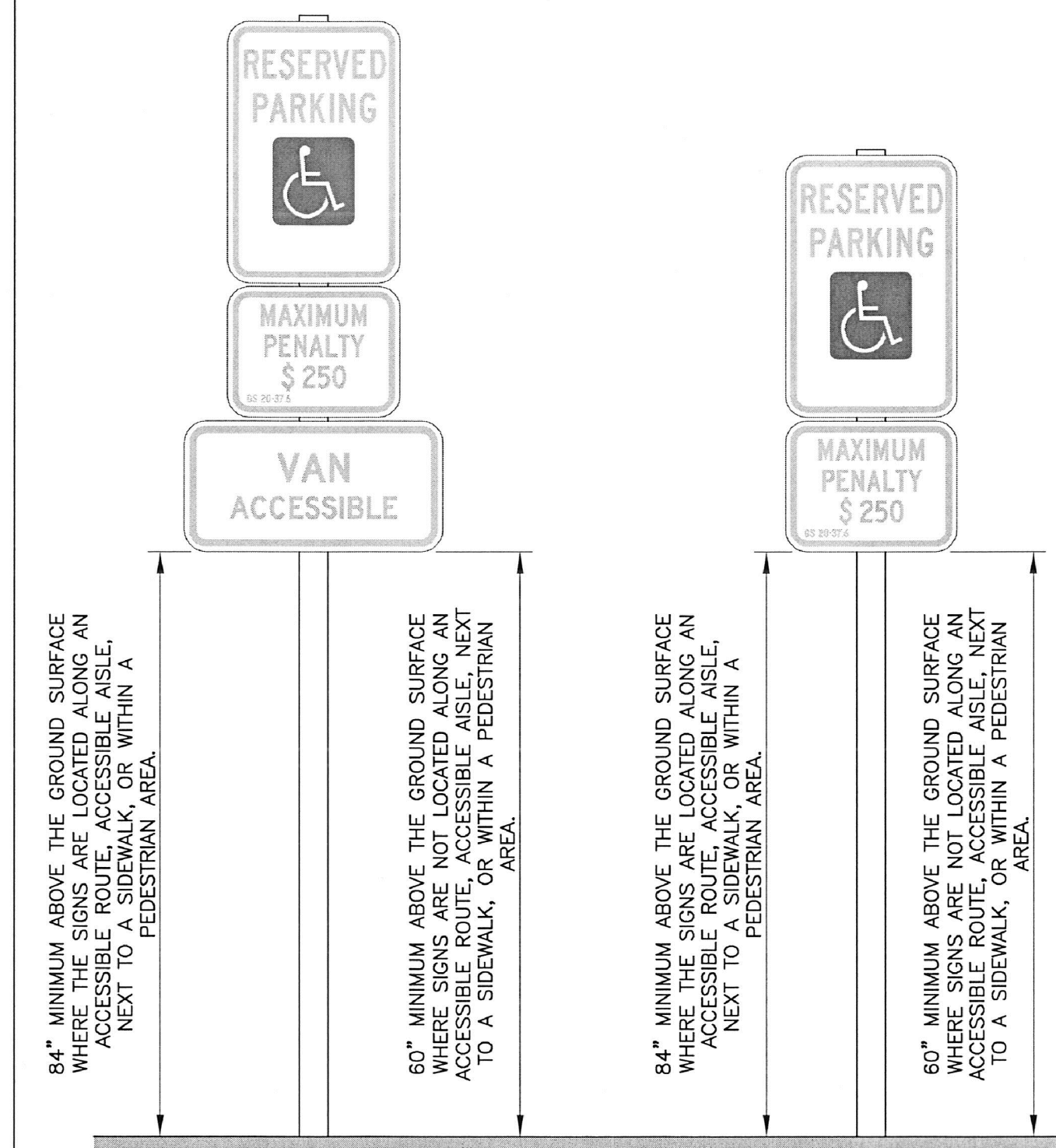
R7-8a and R7-8d Signage Figure A1.1

R7-8e Signage Figure A1.2



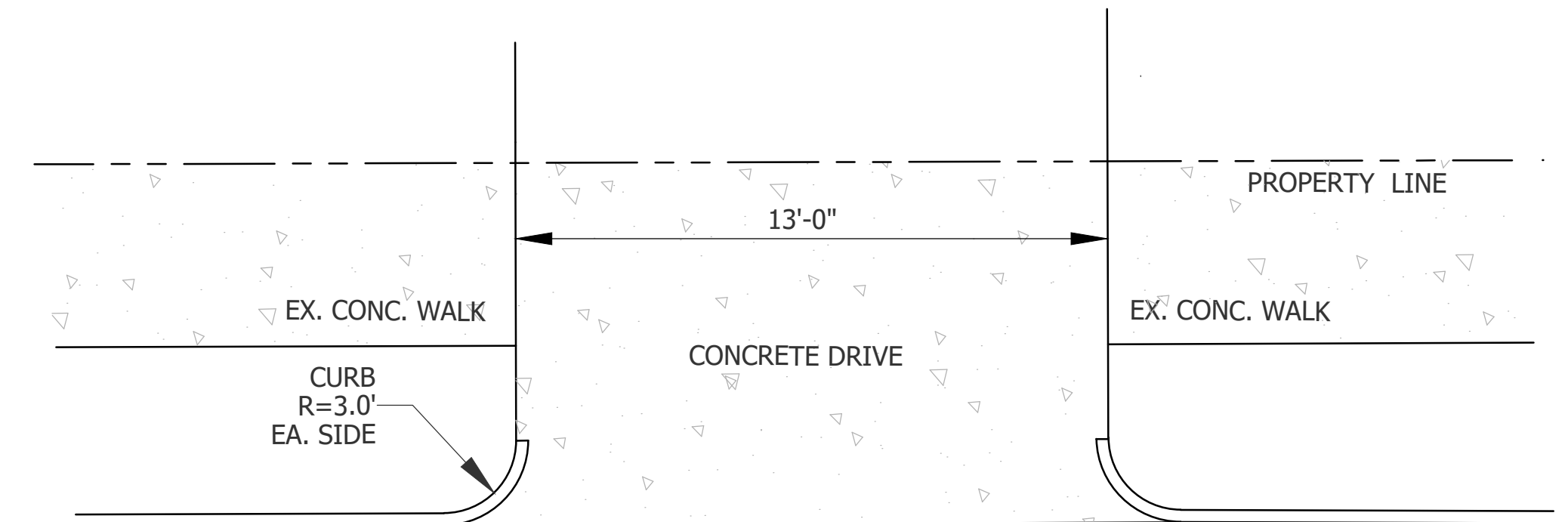
WHERE VAN ACCESSIBLE PARKING IS PROVIDED, THE VAN ACCESSIBLE (R7-8P) SIGN SHALL BE MOUNTED BELOW THE OTHER ACCESSIBLE PARKING SIGNS.  
(2009 EDITION MUTCD SECTION 2B.47) R7-8P Signage Figure A1.3

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

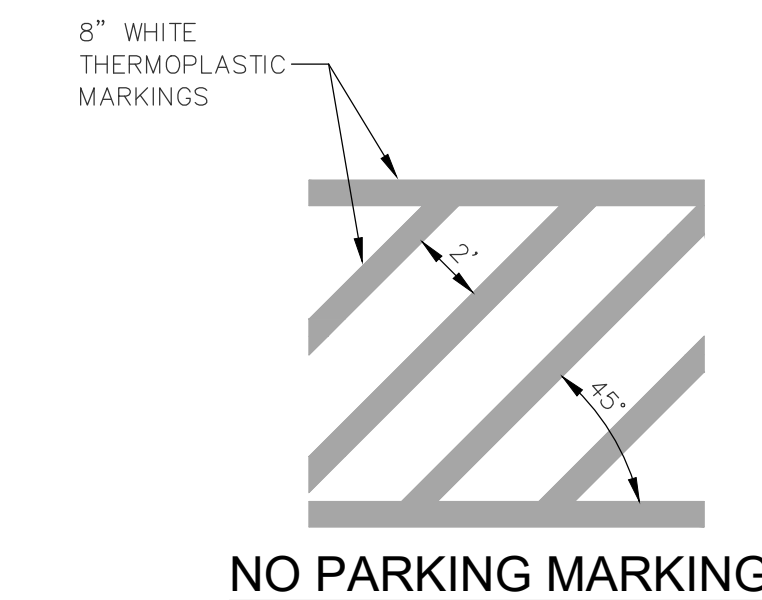


Signage Height Figure A2.1

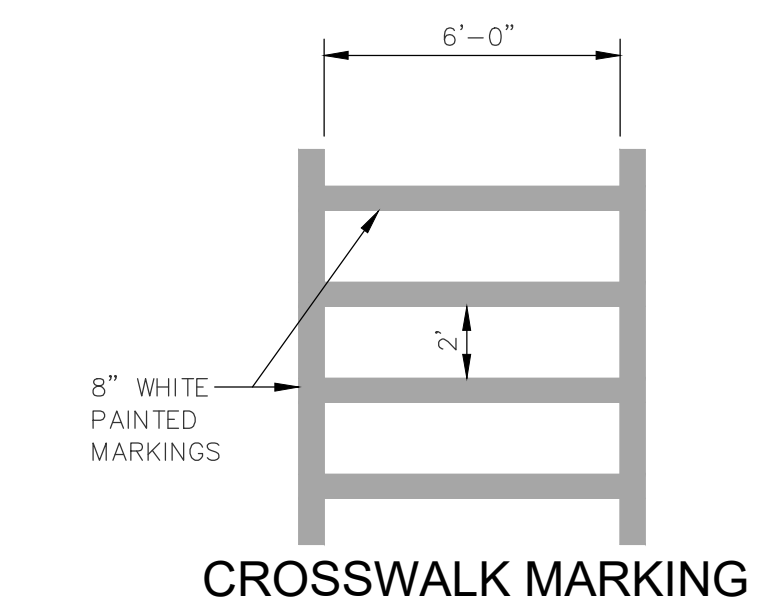
DATE: NOVEMBER 8, 2016	ACCESSIBLE PARKING SIGNS AND INSTALLATION DETAILS SHEET A2 OF 5
DRAWN BY: DALE THOMPSON	WILMINGTON TRAFFIC ENGINEERING
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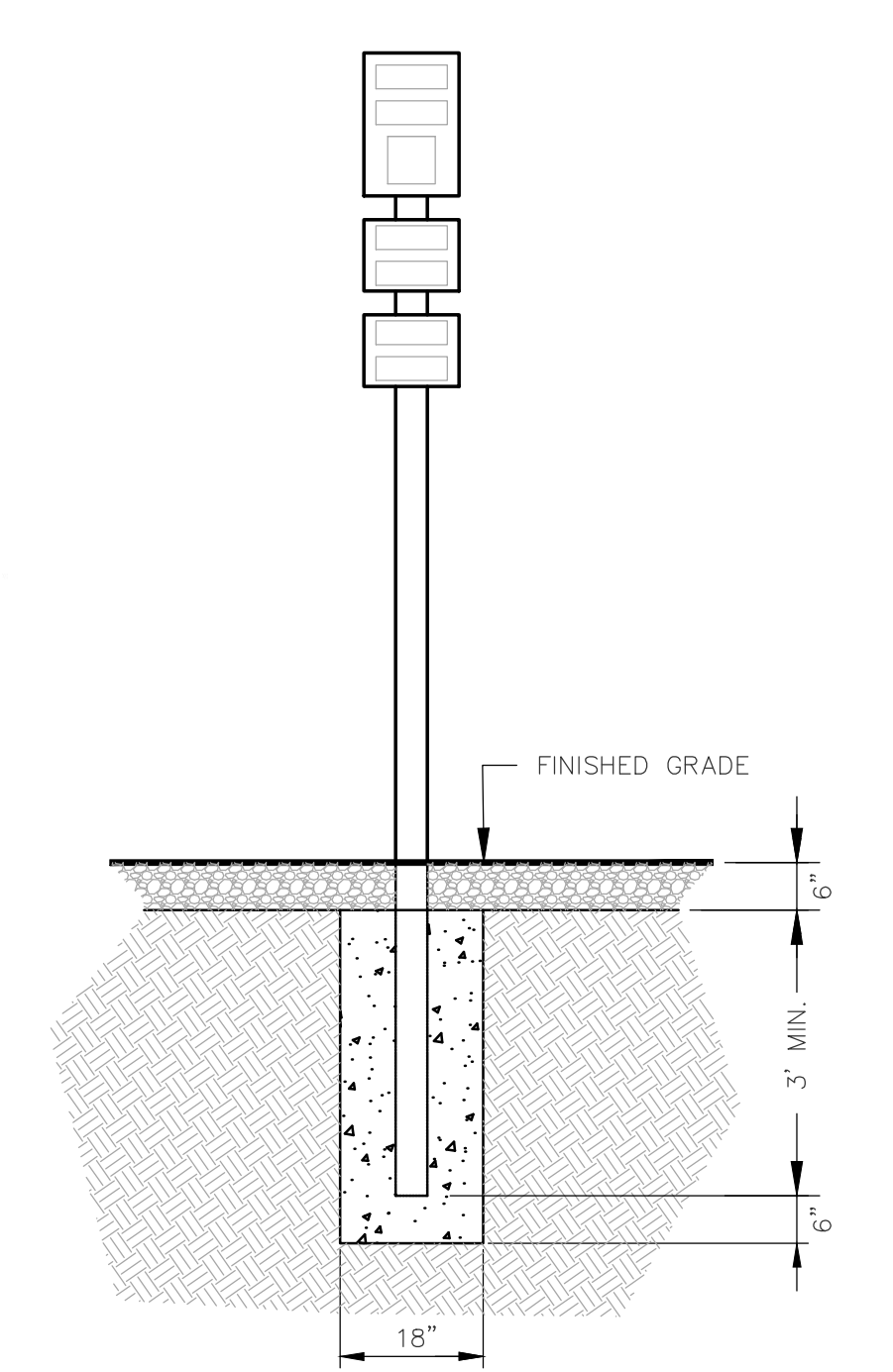
NEW RESIDENTIAL DRIVEWAY DETAIL NOT TO SCALE



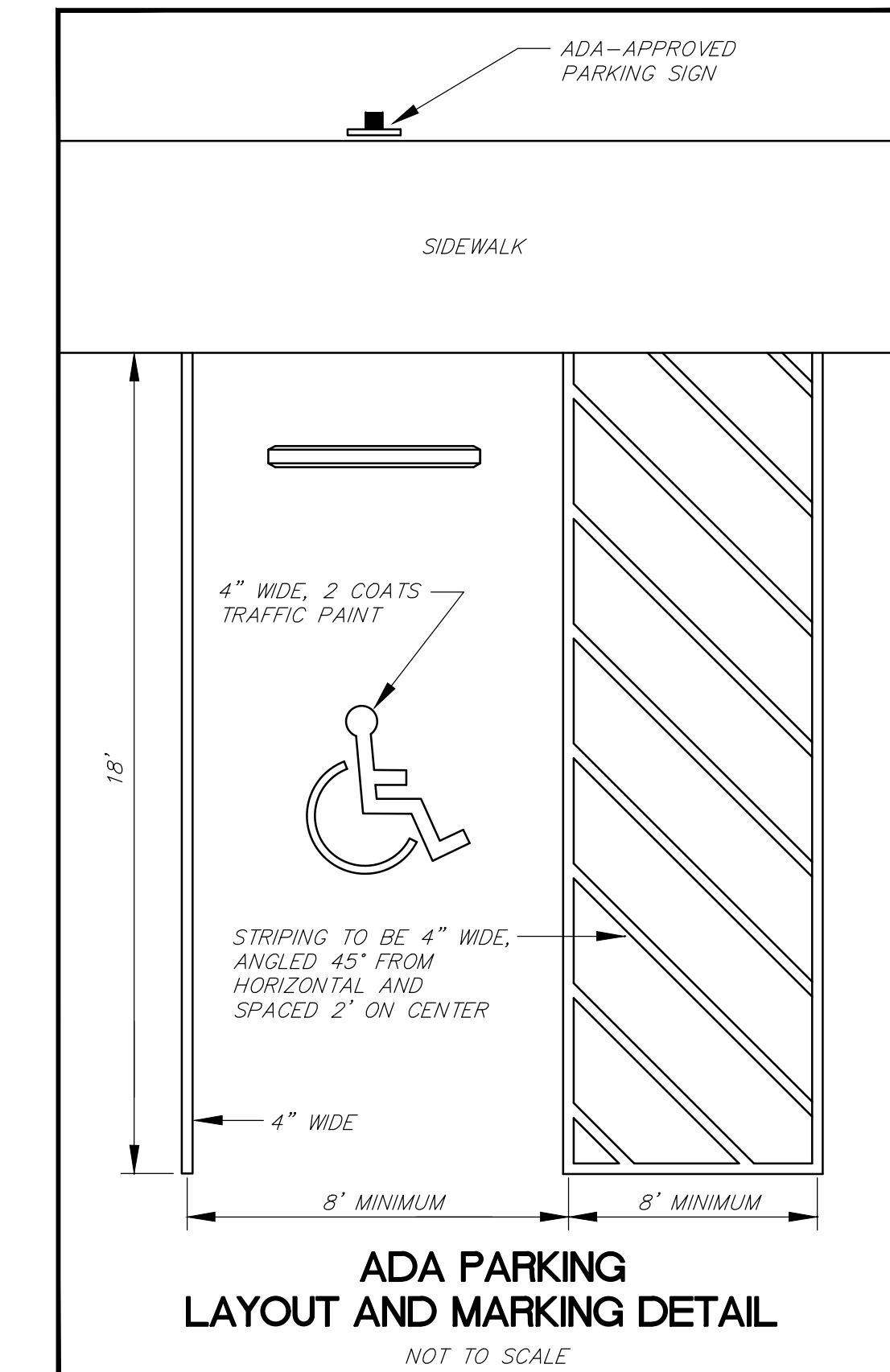
NO PARKING MARKING NOT TO SCALE



CROSSWALK MARKING NOT TO SCALE



ADA PARKING SIGN DETAIL NOT TO SCALE



ADA PARKING LAYOUT AND MARKING DETAIL NOT TO SCALE

601 SOUTH FRONT STREET  
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WILMINGTON NEW HANOVER NORTH CAROLINA

**RIGHT ANGLE ENGINEERING, P.C.**  
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Scale: SHOWN
Drawn: NNC
Checked: WSL
Project No: GH0120
Sheet No: D1

FOR REGULATORY REVIEW - NOT FOR CONSTRUCTION

REV. NO.	DESCRIPTION	DATE



WILM. HOUSING AUTHORITY  
DB:869 @ PG:411  
ZONING: HD-R  
USE: APARTMENTS

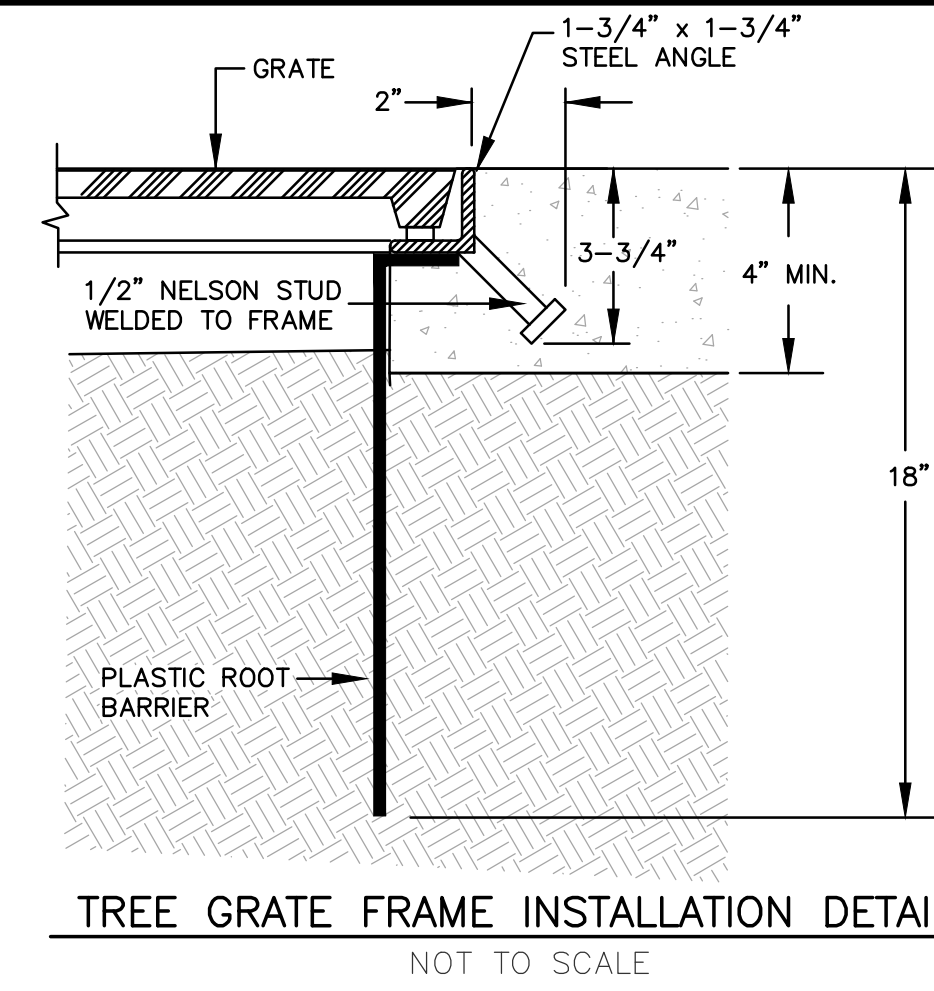
ROBERT CARPENTER  
DB:5884 @ PG:228  
ZONING: UMX  
USE: RESIDENTIAL

SUSPENDED CROSSWALK  
CAUTION LIGHTS & SIGN

DONALD PIKE GAIL REV. TRUST  
DB:5706 @ PG:897  
ZONING: UMX  
USE: NEIGHBORHOOD RETAIL

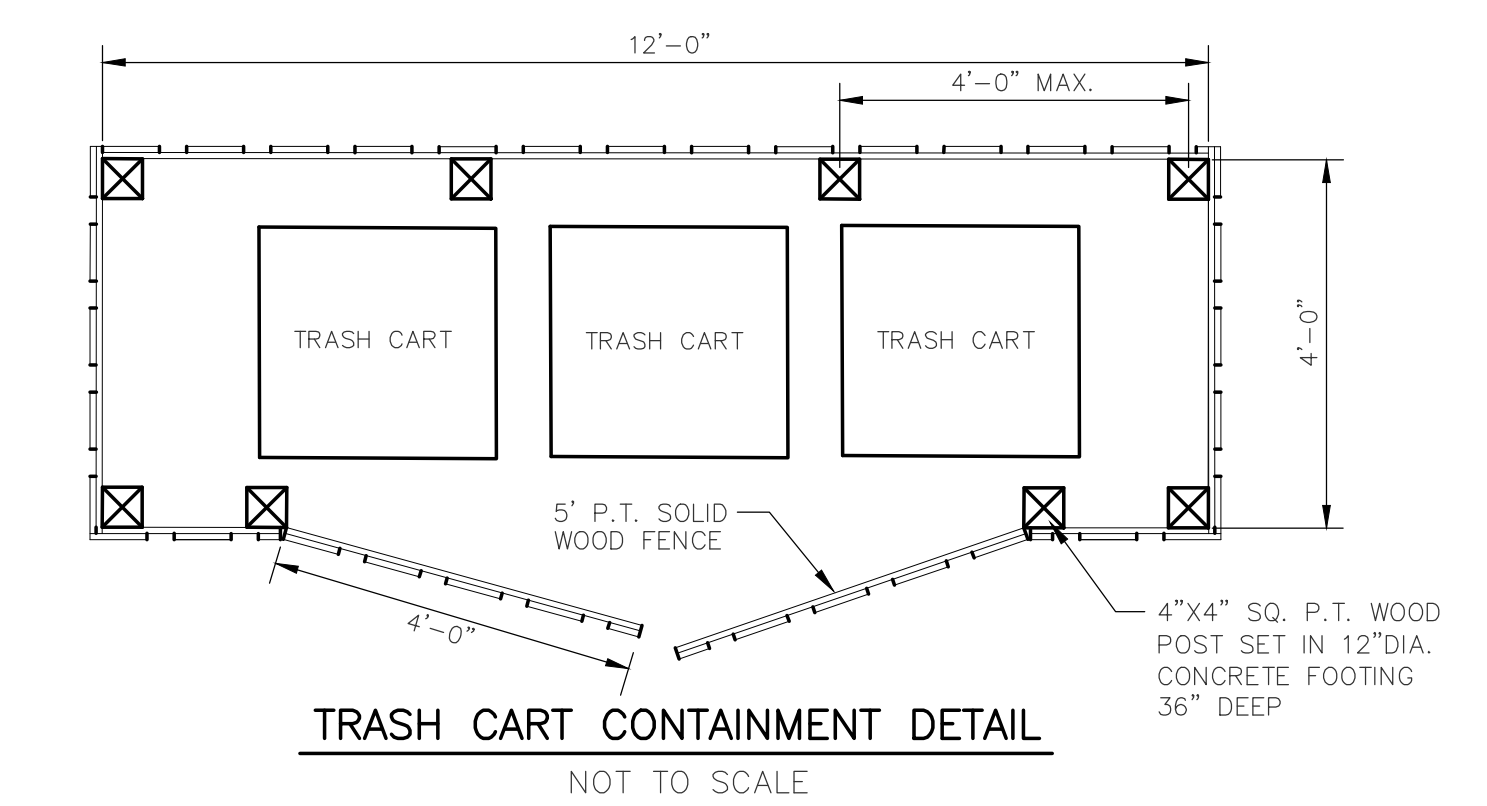
LANDSCAPE LEGEND		
SYMBOL	SPECIFICATION	QTY.
	GREEN ASH FRAXINUS PENNSYLVANICA 2" TO 2 1/2" CALIPER AT PLANTING	2
	LAUREL OAK QUERCUS LAURIFOLIA 2" TO 2 1/2" CALIPER AT PLANTING	1
	3" x 3" IRON AGE TREE GRATE, "SONOMA"	3
	TREE PROTECTION FENCING	
	4" MULCH AROUND NEW TREES, GRASS OR SOD REMAINING	

NOTE:  
LIMB UP TREES AS NECESSARY TO MAINTAIN VISION  
CLEARANCE BETWEEN 30" AND 10' WITHIN SIGHT TRIANGLE.



TREE GRATE FRAME INSTALLATION DETAIL  
NOT TO SCALE

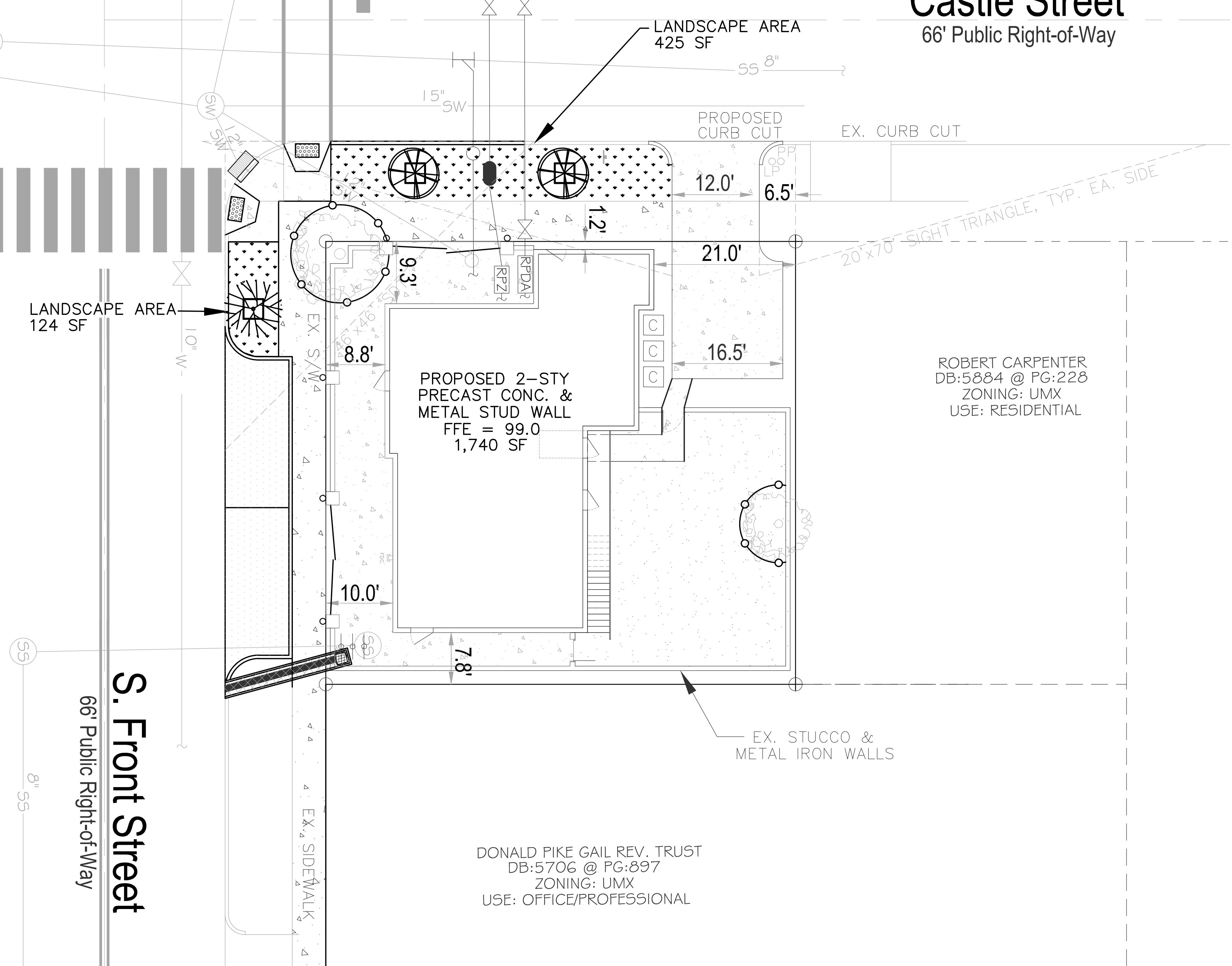
SITE DATA TABLE	
PIN	R05409-016-002-000
ADDRESS	601 SOUTH FRONT ST. WILMINGTON, NC 28401
TELEPHONE	910-352-6256
EMAIL ADDRESS	hodgkinsgrace@gmail.com
ZONING	UMX
OWNER	GRACE HODGKINS
ADDRESS	601 SOUTH FRONT ST. WILMINGTON, NC 28401
ACREAGE	0.1 AC (4,620 SF)
SETBACKS REQUIRED / PROVIDED	0' ALL SIDES/SIDES: 1.2'; 7.8'; FRT: 8.8'; BACK: 19.9'
DN-SITE QUANTITIES	
EX. BLDG (FOOTPRINT - BUILDING LOT COVERAGE)	1,463 SF = 0.03 AC (32%)
EX. CONCRETE	1,922 SF = 0.04 AC (42%)
EX. GRAVEL	805 SF = 0.02 AC (19%)
TOTAL EX. IMPERVIOUS	4,190 SF = 0.10 AC (92%)
EX. CONCRETE TO BE REMOVED	1,825 SF = 0.04 AC (20%)
EX. BUILDING TO BE REMOVED	1,463 SF = 0.03 AC (32%)
EX. GRAVEL TO BE REMOVED	805 SF = 0.02 AC (19%)
TOTAL EX. IMPERVIOUS TO BE REMOVED	4,093 SF = 0.09 AC (88%)
PROPOSED 2-STORY BUILDING (FOOTPRINT)	1,740 SF = 0.04 AC (38%)
PROPOSED CONCRETE SIDEWALK	85 SF = 0.001 AC (1%)
PROPOSED CONCRETE DRIVE	398 SF = 0.01 AC (1%)
PROPOSED CONCRETE FRONT/SIDE OF HOUSE	840 SF = 0.02 AC (21%)
TOTAL PROPOSED IMPERVIOUS	3,063 SF = 0.07 AC (65%)
PERVIOUS GRAVEL COURTYARD	1,037 SF = 0.02 AC (21%)
TOTAL SITE BUILT-UPON AREA	4,097 SF = 0.09 AC (88%)
DIFF-SITE QUANTITIES	
EX. CONCRETE TO BE REMOVED	648 SF = 0.01 AC
TOTAL EX. IMPERVIOUS TO BE REMOVED	648 SF = 0.01 AC
PROPOSED CONCRETE DRIVE WITHIN R/W	112 SF = 0.01 AC
PROPOSED ASPHALT LOADING ZONE	451 SF = 0.01 AC
TOTAL EX. IMPERVIOUS TO BE REMOVED (OFF SITE)	563 SF = 0.01 AC
TOTAL DISTURBED AREA	6,927 SF = 0.16 AC
FIRST FLOOR (APARTMENT - 1BR)	954 SF
SECOND FLOOR (RESIDENCE - 2BR)	1,478 SF
BUILDING HEIGHT	34
EXISTING PARKING	0 SPACES
PARKING REQUIRED	NONE (1945 CORPORATE LIMITS)
EX. PROTECTED TREES ON SITE / PRESERVED	2 / 2
CAMA LAND USE DESIGNATION	URBAN
USDA SDIL CLASSIFICATION - ENTIRE SITE	KUREB-URBAN LAND
FEMA FLOOD ZONE X	FEMA MAP PANEL 3720311700L
CAPE FEAR RIVER BASIN	NORTHEAST CAPE FEAR RIVER, CLASS SC/SW
BUILDING CONSTRUCTION TYPE	V-B
ESTIMATED TRIP GENERATION	
RESIDENTIAL	13 TOTAL, 10AM PEAK, 20PM PEAK
COMMERCIAL	16 TOTAL, 10AM PEAK, 10PM PEAK



TRASH CART CONTAINMENT DETAIL  
NOT TO SCALE

# Castle Street

66' Public Right-of-Way



ROBERT CARPENTER  
DB:5884 @ PG:228  
ZONING: UMX  
USE: RESIDENTIAL

DONALD PIKE GAIL REV. TRUST  
DB:5706 @ PG:897  
ZONING: UMX  
USE: OFFICE/PROFESSIONAL

**CITY OF WILMINGTON**  
NORTH CAROLINA  
Public Services • Engineering Division  
APPROVED DRAINAGE PLAN  
Date: \_\_\_\_\_ Permit # \_\_\_\_\_  
Signed: \_\_\_\_\_

**Approved Construction Plan**

Name	Date
Planning	_____
Traffic	_____
Fire	_____



FOR REGULATORY REVIEW - NOT FOR CONSTRUCTION

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**PLAN**  
**GRACE HODGKINS RESIDENCE**  
WILMINGTON NEW HANOVER NORTH CAROLINA

**LANDSCAPE PLAN**

**RIGHT ANGLE ENGINEERING, P.C.**  
212 PRINCESS STREET  
WILMINGTON, NC 28401 FIRM# C-0829  
(910) 251-8544 FAX (910) 251-2208 FIRM: C-0829

DATE: 9/30/20  
Scale: 1"=10'  
Drawn: NNC  
Checked: WSL  
Project No: GH0120  
Sheet No: **L1**