

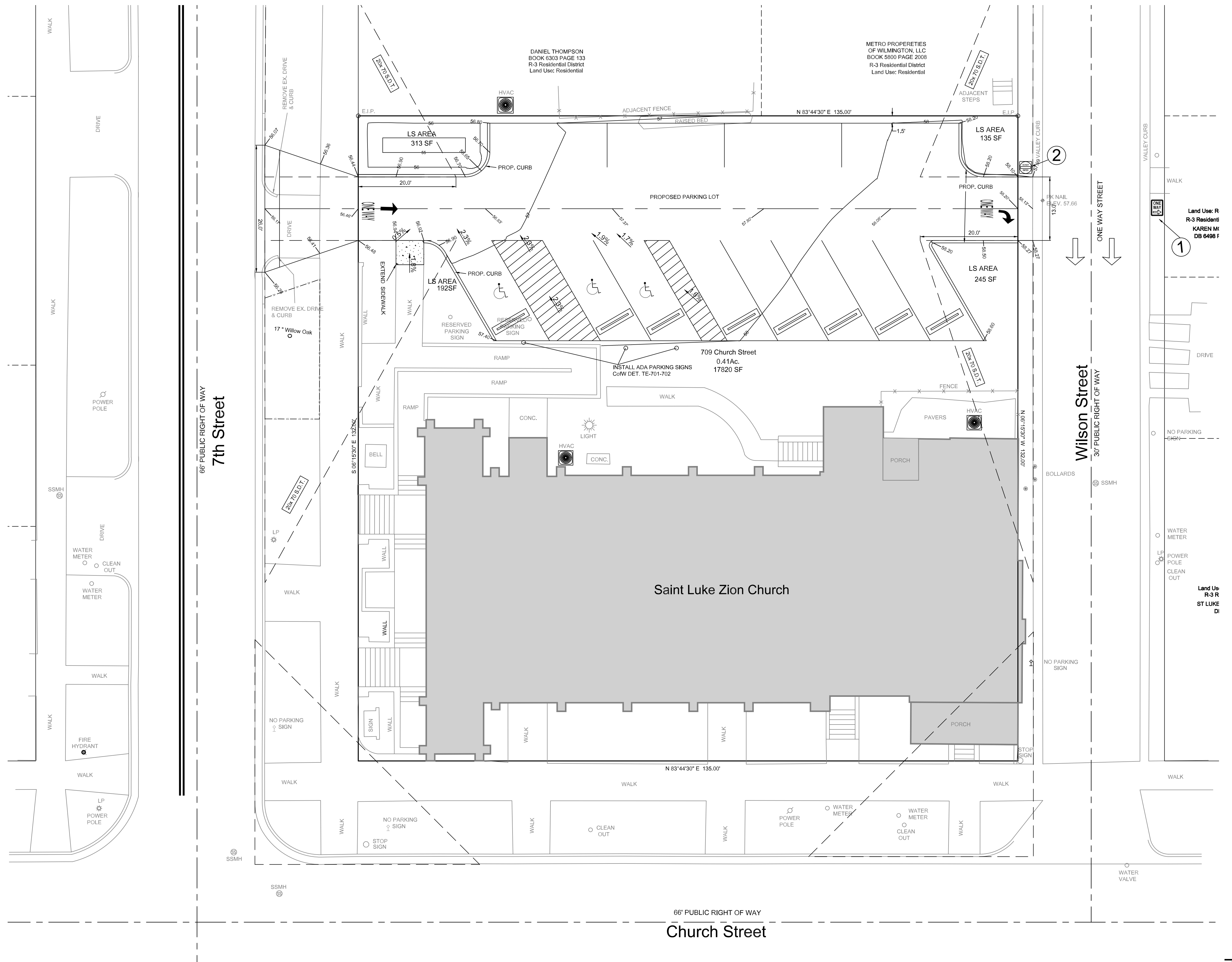
### LEGEND

WV = WATER VALVE  
 WM = WATER METER  
 CIO = SANITARY SEWER CLEAN OUT  
 INV. = INVERT  
 B/O = BLOW OFF ASSEMBLY  
 BFP = BACK FLOW PREVENTOR  
 GW = GUY WIRE  
 SWMH = STORM MANHOLE  
 GT. = GREASE TRAP  
 FH = FIRE HYDRANT ASSEMBLY  
 I.S. = IRON SET  
 = CURB RAMP  
 = SANITARY SEWER MH  
 = HANDICAP RAMP  
 = CURB INLET  
 = TREE  
 = WATER SERVICE  
 = SEWER CLEANOUT  
 = WATER VALVE  
 = SIGN LOCATION  
 LP = LIGHT POLE

2.3% = PROPOSED SLOPE  
 56.36 = PROPOSED ELEVATION

--- TREE PROTECTION  
 --- EXISTING CONTOUR  
 --- FENCE  
 --- PROPERTY LINE  
 --- BUILDING SETBACK  
 --- CENTERLINE  
 --- EASEMENT  
 --- COMPUTED PROPERTY LINE  
 --- OVER HEAD POWER  
 --- WALK  
 --- SIDEWALK

- ### GENERAL NOTES:
- This map is not for conveyance, recordation or sales.
  - Any required installation or relocation of traffic signs/ pavement markings is the responsibility of the project developer. Please coordinate with the City Traffic Signs and and pavement markings Manager/Supervisor prior to any installation/relocation of any traffic signs or markings in existing or proposed public ROW.
  - All pavement markings in public right-of-way and for driveways are to be thermoplastic and meet City and/or NCDOT standards. (Detail SD 11-03 and SD 15-13 CoW Tech Sits.)
  - All signs and pavement markings in areas open to public traffic are to meet MUTCD standards. (detail SD 15-13CoW Tech Sits)
  - 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.
  - Any broken or missing sidewalk panels and curbing will be replaced.
  - Contact 311 prior to contacting City of Wilmington, Traffic Engineering regarding the utilities in ROW.
  - Contact Traffic Engineering at (910) 341-7888 to discuss street light options.
  - Contractor shall maintain an all-weather access for emergency vehicles at all times during construction.
  - Landscaping or parking cannot block or impede FDC's or fire hydrants. A 3-foot clear space shall always be maintained around the circumference of hydrants and FDC's.
  - Additional fire protection and/or accessibility requirements may be required due to any special circumstances concerning the project.
  - No parking spaces, fences, walls, post, lights, shrubs, trees or other type of obstructions not specifically exempted shall be permitted in the space between 30 inches and above ground and 10 feet above ground level within a triangular sight distance.
  - All required landscaping shall be bordered with, curbing, landscaping timbers, or rail road ties along the edge of pavement/gravel. See (City SD15-14)
  - Street trees must be located a minimum of 15 feet from streetlights.



<b>SITE DATA</b> ST Luke AME Zion Church SITE ADDRESS: 709 Church Street PARCEL ID: R0 5405-07-008-000 PROPERTY AREA: .41 ACRES CURRENT ZONING: R-3 Residential District PROPOSED ZONING: R-3 Residential District CURRENT LAND USE: 866-Place of Worship PROPOSED LAND USE: 866-Place of Worship FLOOD ZONE: X CAMA LAND USE CLASSIFICATION: URBAN	<b>TREE REMOVAL</b> ALL TREES ARE TO REMAIN <b>TREES REQUIRED</b> 15 TREES/ DISTURBED ACRE 15 X .41 = 6 TREES REQUIRED <b>PARKING</b> REQUIRED PARKING (OFF STREET): 1 PER 4 SEATS PROPOSED PARKING: 12 TOTAL ADA PARKING REQUIRED: 1/25 ADA PARKING PROPOSED: 3	<b>IMPERVIOUS</b> CURRENT IMPERVIOUS = 8,773 SF PROPOSED IMPERVIOUS (ONSITE) = 4,887 SF PROPOSED IMPERVIOUS (OFFSITE) = 576 SF PROPOSED IMPERVIOUS ONSITE TOTAL = 13,630 SF EXISTING LOT COVERAGE = 49 % PROPOSED LOT COVERAGE = 76 % <b>DISTURBED AREA</b> DISTURBED AREA = +/- 5,445 SF	NO LIGHTING PROPOSED
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**HANOVER DESIGN SERVICES, P.A.**  
 LAND SURVEYORS, ENGINEERS & LAND PLANNERS  
 2003 WILMINGTON, N.C. 28403  
 LICENSE # C-287

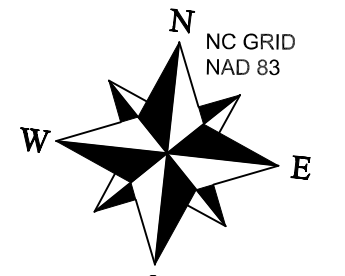
REVISIONS	DATE

**Saint Luke AME Zion Church**  
**709 Church Street Parking Plan**  
 City of Wilmington, New Hanover County, North Carolina  
**OWNER: Saint Luke AME Zion Church**  
 709 Church Street, Wilmington, NC

Date: 01/02/24  
 Scale: HORZ: 1" = 10'  
 Drawn: GW  
 Checked: GW  
 Project No: 16411

**SITE PLAN**

**PRELIMINARY PLAN**  
 Sheet No: 1  
 of 3



Land Use: Residential  
R-3 Residential District  
MITCHELL ROY  
DB 631 PG 252

Land Use: Residential  
R-3 Residential District  
PATRICK FINO  
DB 6196 PG 1452

Land Use: Residential  
R-3 Residential District  
MOLLY SHAW  
DB 9904 PG 1011

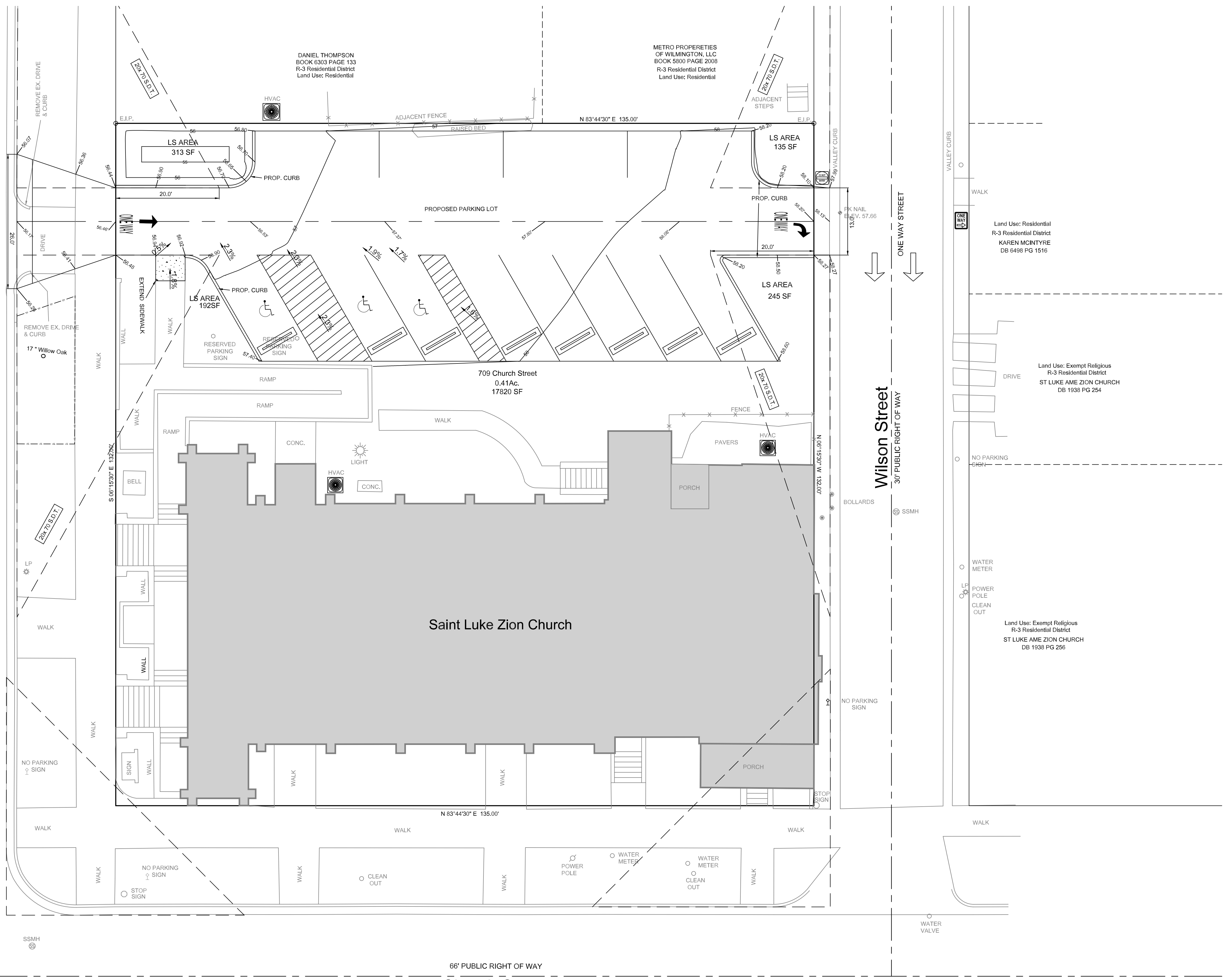
Land Use: Residential  
R-3 Residential District

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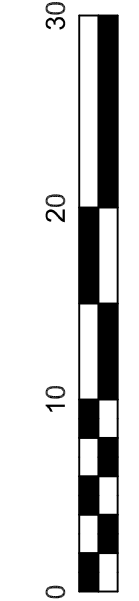
Saint Luke Zion Church

709 Church Street  
0.41Ac.  
17820 SF

Church Street

Wilson Street  
30' PUBLIC RIGHT OF WAY

7th Street  
66' PUBLIC RIGHT OF WAY



HANOVER DESIGN SERVICES, P.A.  
LAND SURVEYORS, ENGINEERS & LAND PLANNERS  
WILMINGTON, N.C. 28403  
LICENSE # C-287

REVISIONS	DATE

Site Plan  
**Saint Luke AME Zion Church  
709 Church Street Parking Plan**  
City of Wilmington, New Hanover County, North Carolina

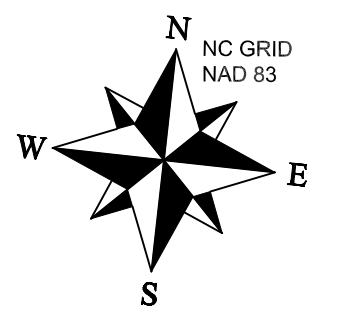
OWNER: Saint Luke AME Zion Church  
709 Church Street, Wilmington, NC

Date: 01/02/24  
Scale: HORZ: 1" = 10'  
Drawn: GW  
Checked: GW  
Project No: 16411

**GRADING PLAN**

PRELIMINARY PLAN

Sheet No: **2**  
**3**



Land Use: Residential  
R-3 Residential District  
MITCHELL ROY  
DB 631 PG 252

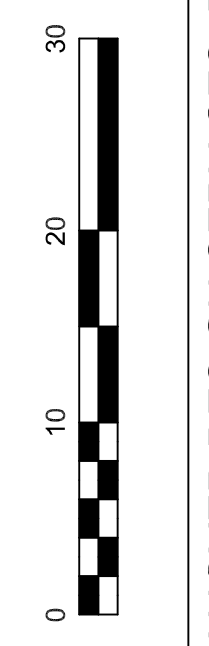
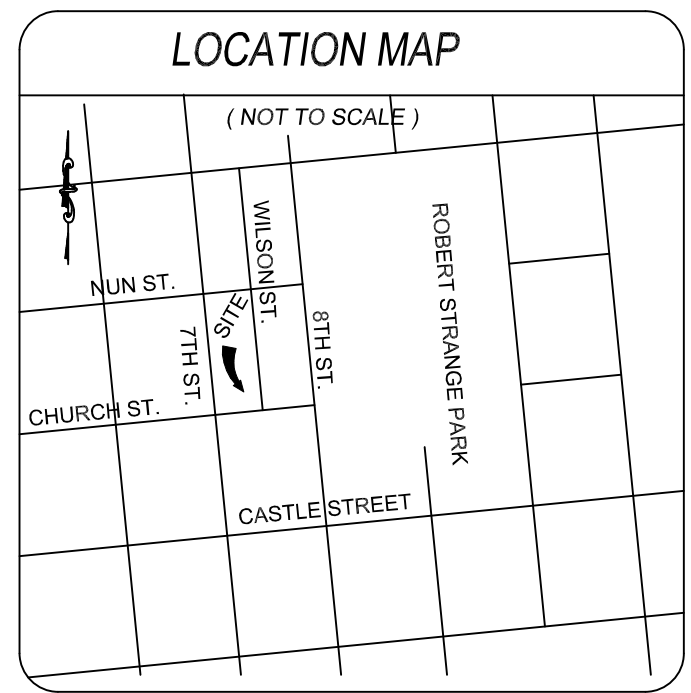
Land Use: Residential  
R-3 Residential District  
PATRICK FINO  
DB 6196 PG 1452

Land Use: Residential  
R-3 Residential District  
MOLLY SHAW  
DB 9904 PG 1011

Land Use: Residential  
R-3 Residential District  
NATALIE MCMANUS  
DB 6427 PG 920

DANIEL THOMPSON  
BOOK 6303 PAGE 133  
R-3 Residential District  
Land Use: Residential

METRO PROPERTIES  
OF WILMINGTON, LLC  
BOOK 5800 PAGE 2008  
R-3 Residential District  
Land Use: Residential



**HANOVER DESIGN SERVICES, P.A.**  
LAND SURVEYORS, ENGINEERS & LAND PLANNERS  
WILMINGTON, N.C. 28403  
LICENSE # C-287

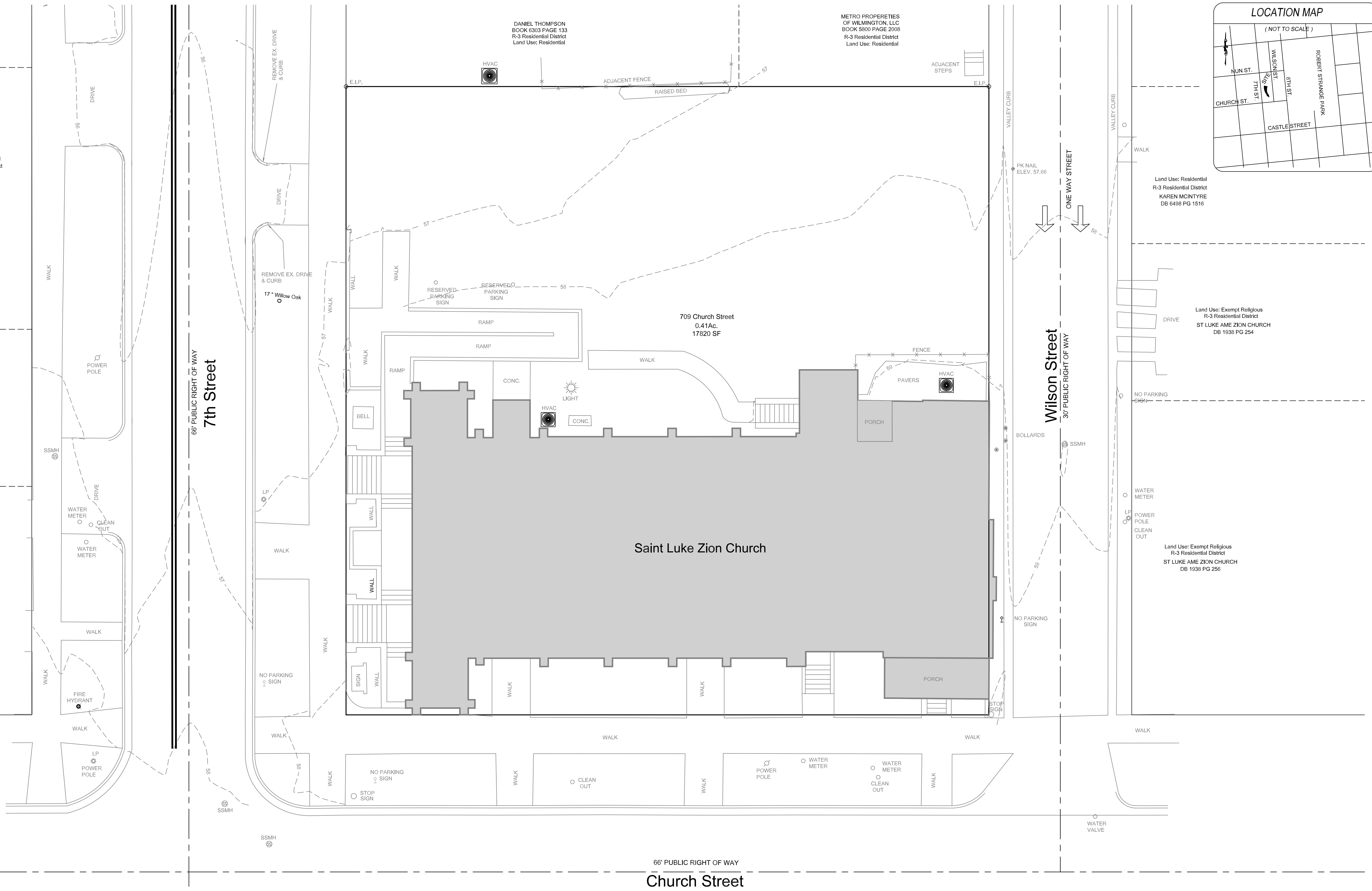
REVISIONS	DATE

**OWNER: Saint Luke AME Zion Church**  
709 Church Street, Wilmington, NC

Date: 11/20/23  
Scale: HORZ: 1"= 10'  
Drawn: GWJW  
Checked: GWJW  
Project No: 16411

**EXISTING CONDITIONS**

Sheet No: **3**  
Of: **3**



**NOTE:**  
PAVEMENT MARKINGS TAKEN FROM GIS

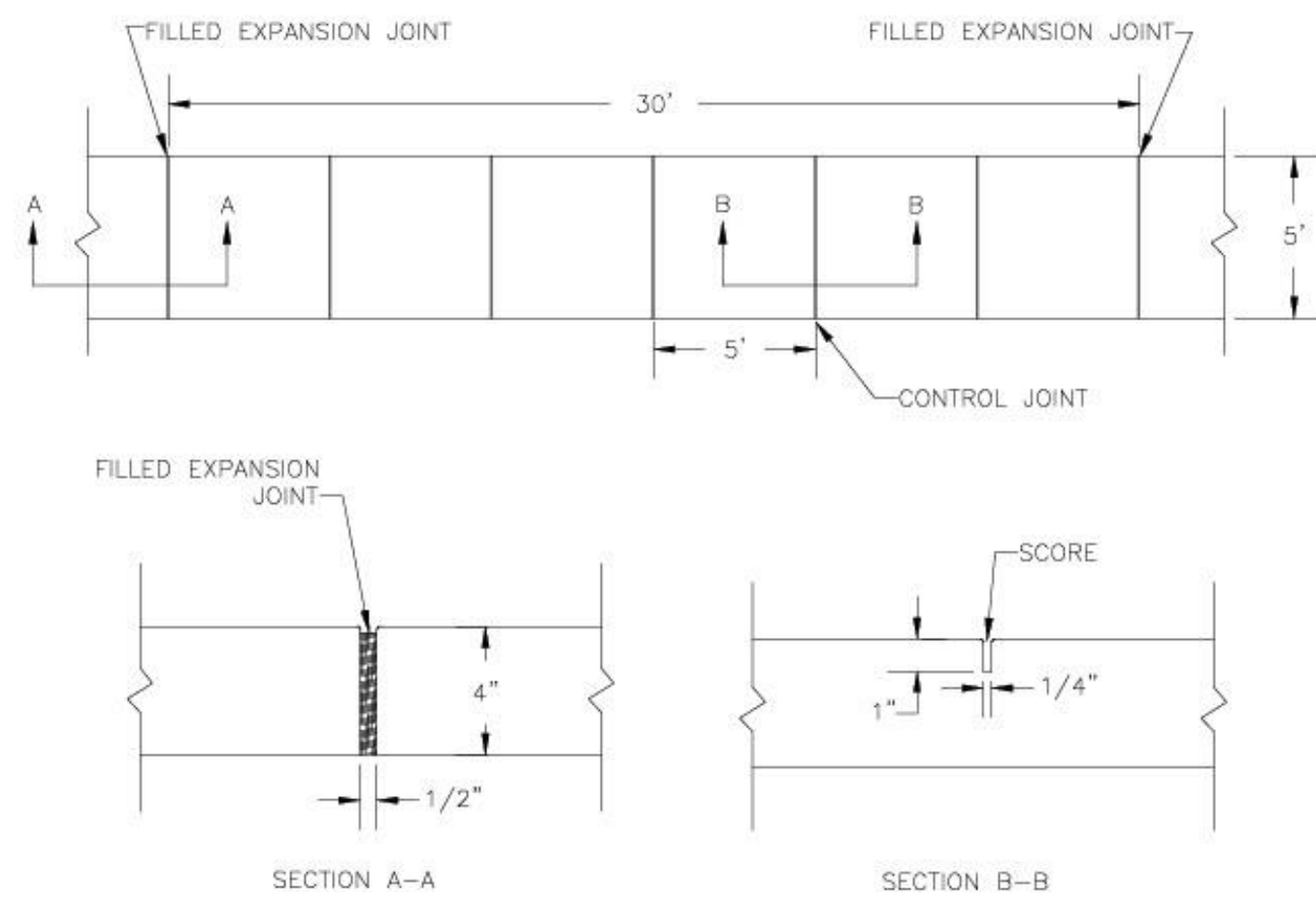
**PRELIMINARY PLAN**

Land Use: Residential  
R-3 Residential District  
LOWELL KAPLAN  
DB 6655 PG 2270

Land Use: Residential  
R-3 Residential District  
JOSEPH SHEPARD  
DB 4971 PG 97

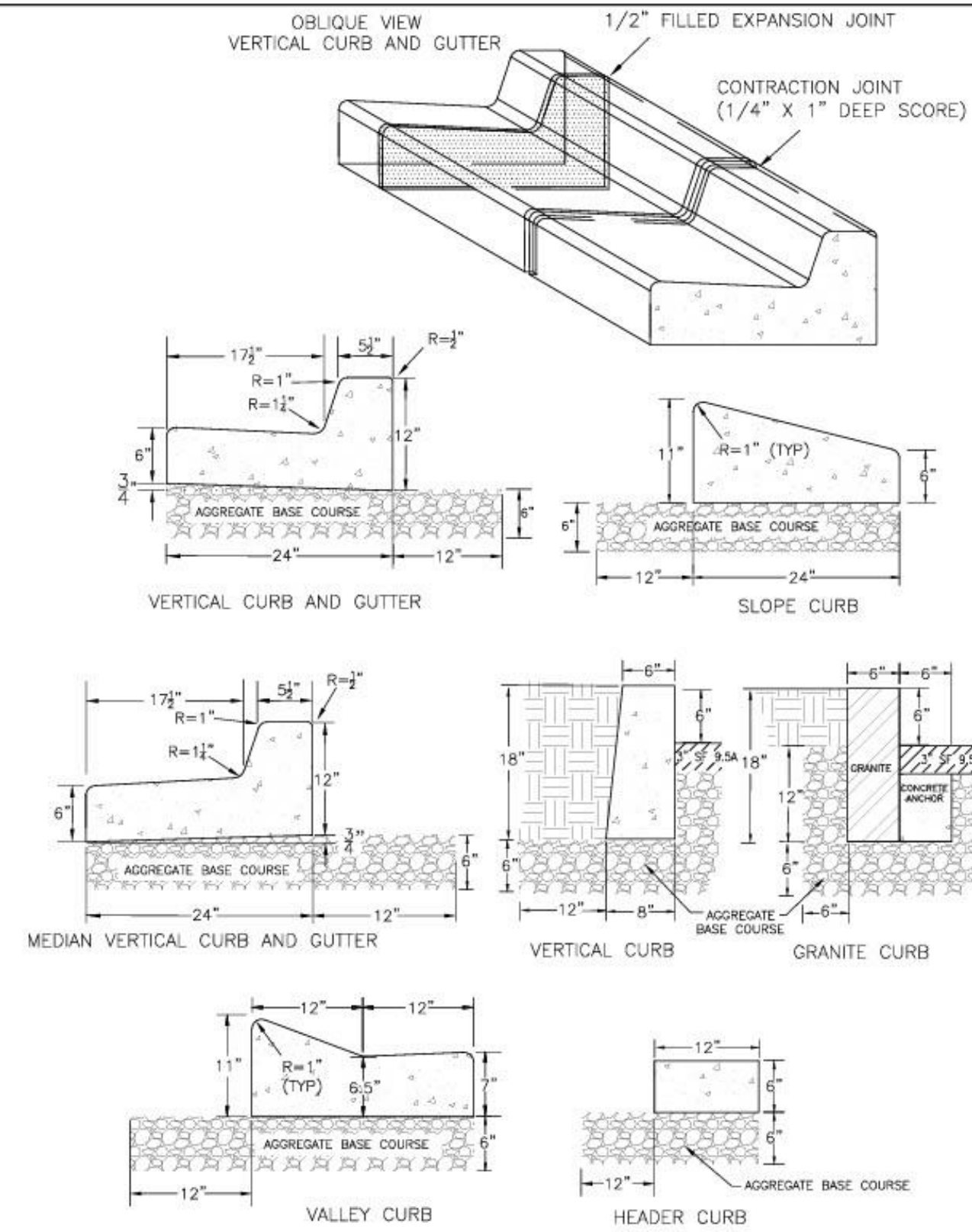
Land Use: Residential  
R-3 Residential District  
NICHOLAS THURSTON  
DB 6220 PG 2372

Land Use: Residential  
R-3 Residential District  
CONSTANCE EVANS  
DB 6124 PG 1185



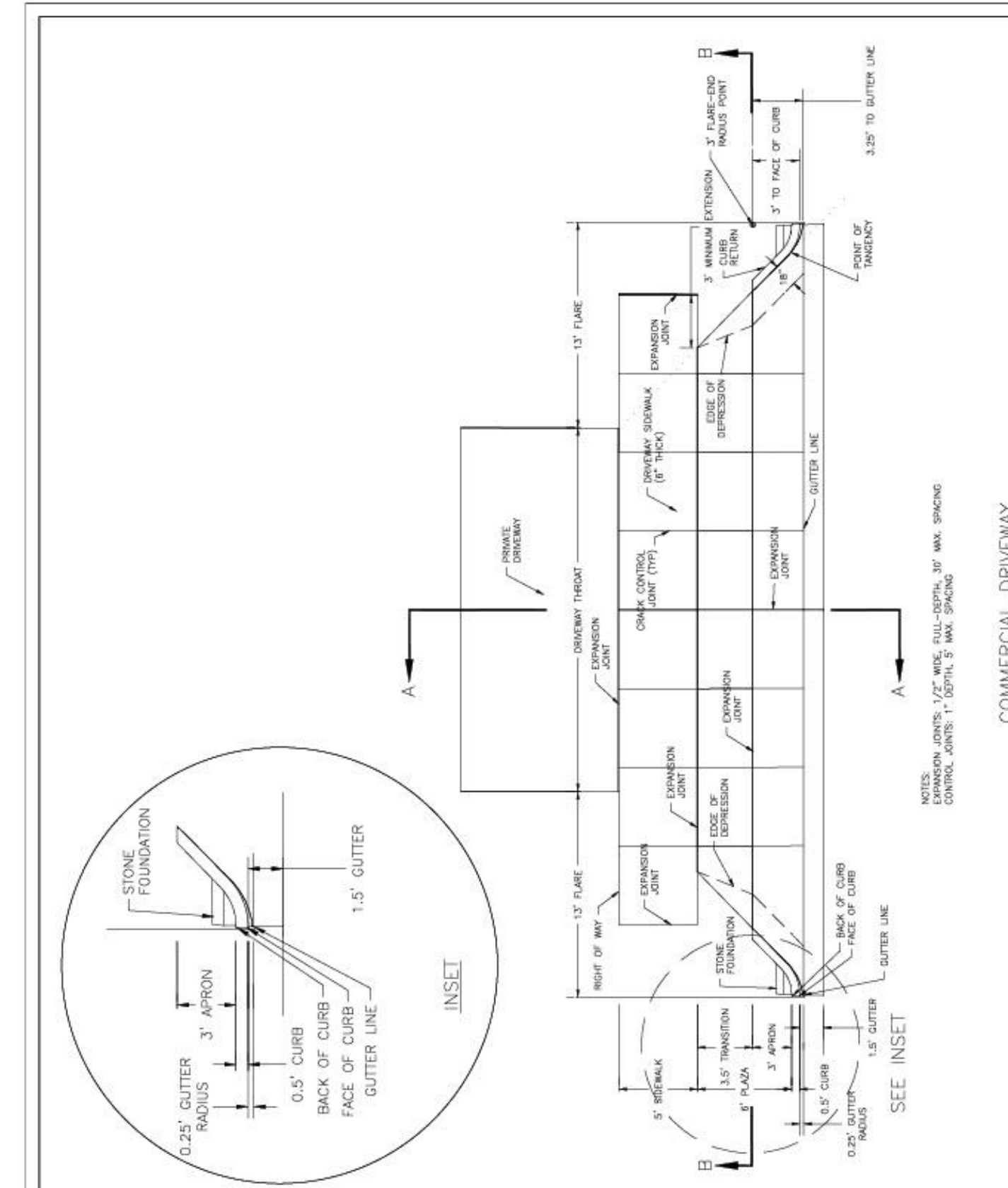
- NOTES:**
1. JOINT MATERIAL TO COMPLY WITH CURRENT NCDOT STANDARDS.
  2. SANITARY SEWER CLEAN-OUTS, WATER METERS, MANHOLES, AND VALVE LIDS TO BE LOCATED OUTSIDE SIDEWALK WHERE FEASIBLE.
  3. MINIMUM SIDEWALK WIDTH TO BE 6' MINIMUM IF PLACED AT BACK OF CURB.
  4. CONCRETE FOR ALL SIDEWALKS (EXCEPT ANY PORTION CONTAIN WITHIN A DRIVEWAY APRON) SHALL BE CLASS "A" - 3,000 PSI.
  5. MINIMUM REPLACEMENT FOR REPAIRS IS A 5' X 5' PANEL.
  6. 4" STONE BASE MAY BE REQUIRED FOR POOR SOIL CONDITIONS.
  7. MINIMUM DEPTH FOR TUNNELING BELOW SIDEWALK IS 12"
  8. MAX ADJACENT GROUND SLOPE WITHOUT RAILING IS 2:1
  9. MIN GRADE FOR PROPER DRAINAGE IS 1% IN AT LEAST 1 DIRECTION. MAX CROSS SLOPE IS 2%. MAX LONGITUDINAL SLOPE IS 8.3%, 10% IF LIMITED BY EXISTING CONDITIONS, OR NO GREATER THAN THE SLOPE OF THE EXISTING ADJACENT ROAD.

DATE: OCTOBER, 2010	STANDARD DETAIL	<p>CITY OF WILMINGTON ENGINEERING PO BOX 1810 WILMINGTON, N.C. 28402 (910) 341-7807</p>
DRAWN: PBJSR	SIDEWALK	
CHECKED: DEC		
SCALE: NOT TO SCALE		
SD 3-10		

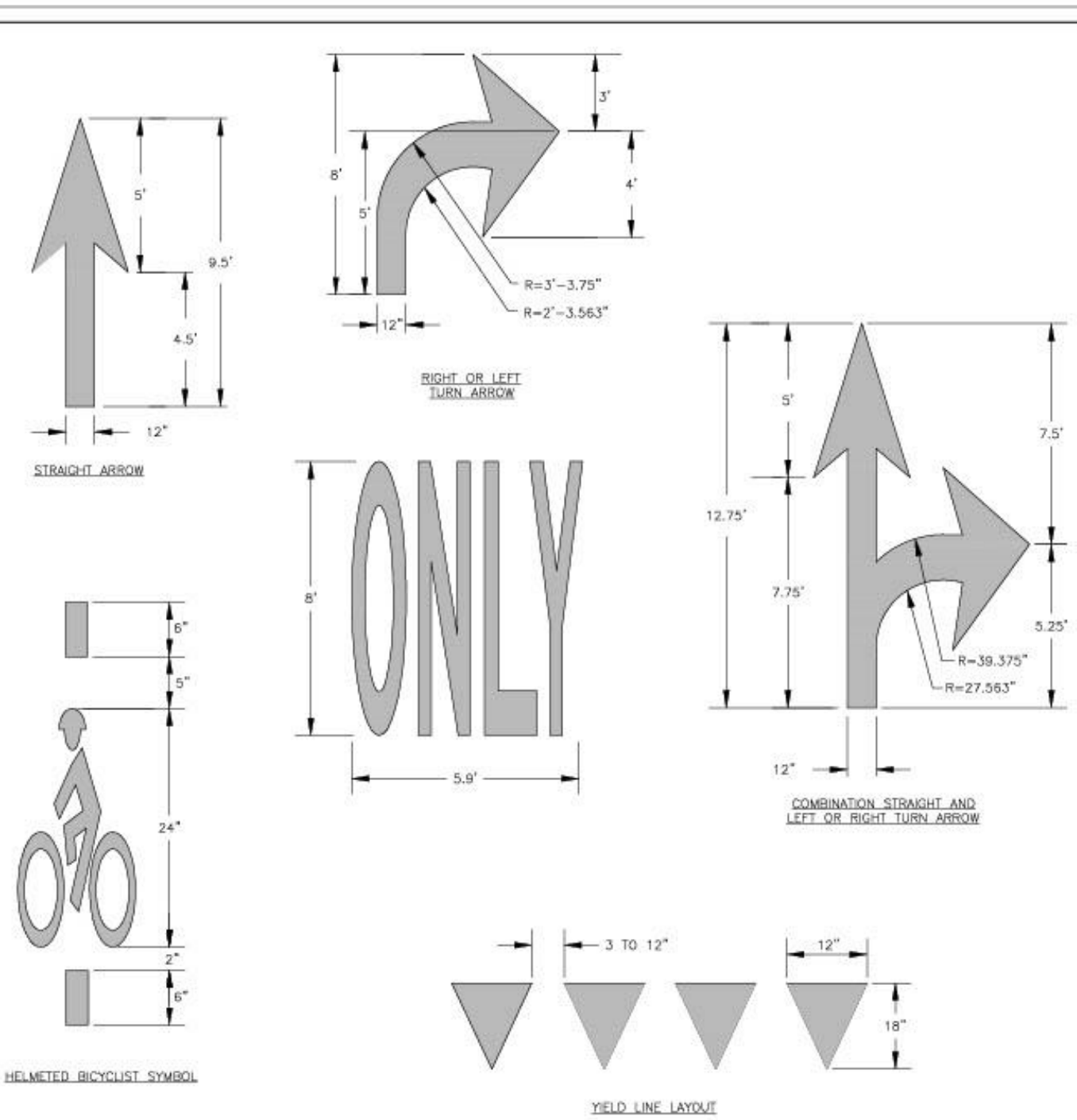


- NOTES:**
1. EXPANSION JOINT MATERIAL TO COMPLY WITH CURRENT NCDOT STANDARDS
  2. 50' MAX EXPANSION JOINT SPACING, 10' MAX CONTRACTION JOINT SPACING
  3. MINIMUM INSTALLATION LENGTH IS 5 FT.
  4. CONCRETE TO BE 3000 PSI MIN
  5. VERTICAL CURB AND GUTTER BASE CAN BE SLOPED 3/4" OR USE A FLAT BASE

DATE: AUGUST, 2011	STANDARD DETAIL	<p>CITY OF WILMINGTON ENGINEERING PO BOX 1810 WILMINGTON, N.C. 28402 (910) 341-7807</p>
DRAWN: PBJSR	CURBING	
CHECKED: DEC		
SCALE: NOT TO SCALE		
SD 3-11		



DATE: FEB. 14, 2017	STANDARD DETAIL	<p>CITY OF WILMINGTON ENGINEERING PO BOX 1810 WILMINGTON, N.C. 28402 (910) 341-7807</p>
DRAWN BY: JSR	COMMERCIAL DRIVEWAY PLAN (VERTICAL CURB)	
CHECKED BY: D.E.C., P.E.		
SCALE: NOT TO SCALE		
SD 3-03.3		



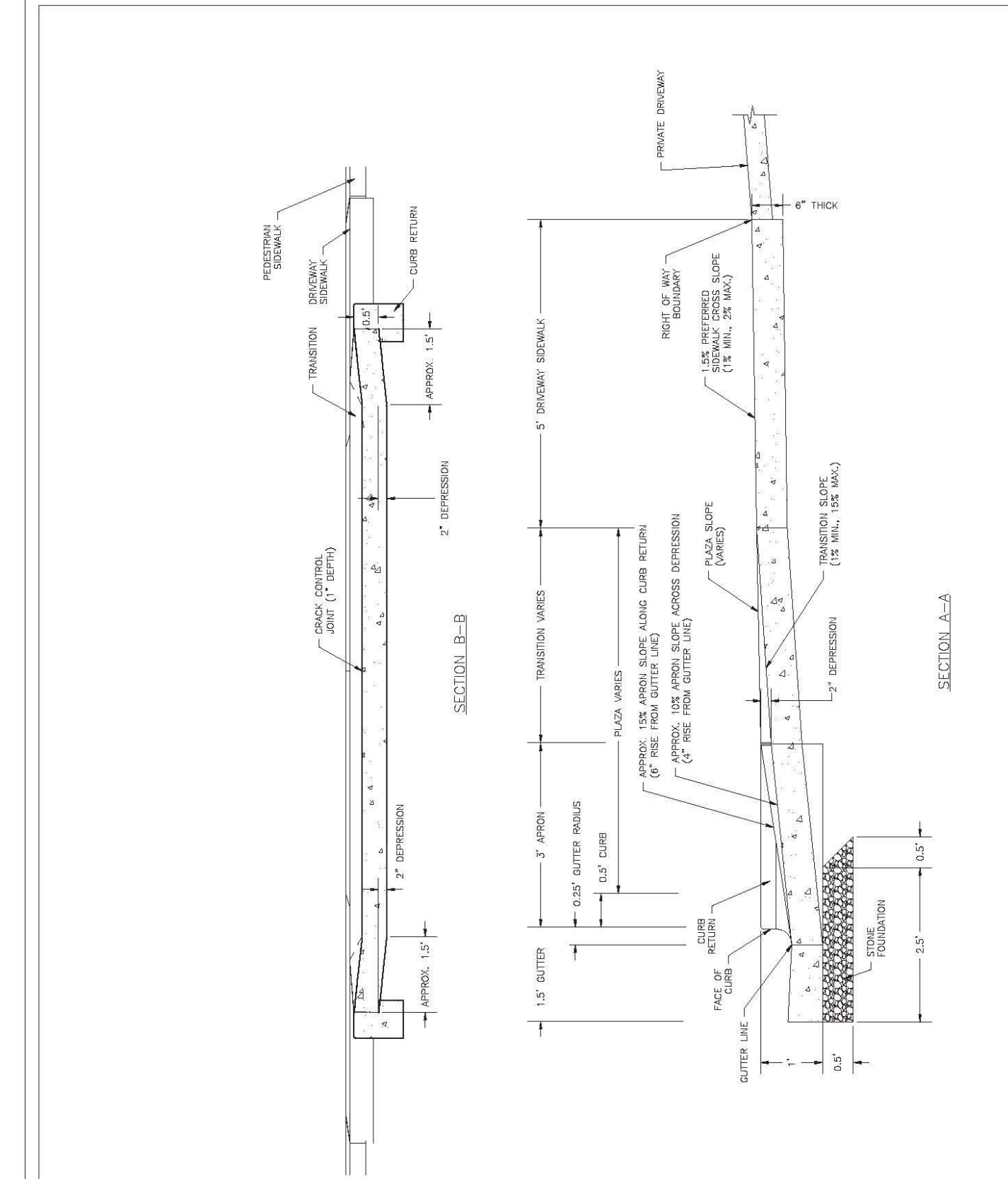
**GENERAL NOTES**

1- PAVEMENT MARKINGS, SYMBOLS AND DIMENSIONS SHALL BE DESIGNED PER MUTCD WITH APPROVAL FROM CITY TRAFFIC ENGINEERING, AND INSTALLED IN ACCORDANCE WITH NCDOT DIVISION 12 SPECIFICATIONS. SEE SD 11-01.

DATE: OCTOBER, 2012	STANDARD DETAIL	<p>CITY OF WILMINGTON ENGINEERING PO BOX 1810 WILMINGTON, NC 28402 (910) 341-7807</p>
DRAWN BY: JSR	GUIDELINES FOR PAVEMENT MARKINGS AND SYMBOLS	
CHECKED BY: BOR, P.E.		
SCALE: NOT TO SCALE		
SD 11-03		

1. Variances on stall widths, angle and other dimensions will be allowed only upon approval of the Traffic Engineer.
2. Wheel stops shall be required three (3) feet from the end of parking stall when using eighteen (18) feet deep stalls.
3. Curbing, crossies, utility poles, etc., can be used as wheel stops. (Must be anchored down)
4. All medians shall be a minimum of six (6) feet wide.
5. Parking bays which terminate at a circulation way shall provide for a minimum turning radius of twenty-five (25) feet, as measured from the edge of the travel portion.
6. All parking stall markings and lane arrows shall be white.
7. 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).
8. No obstructions will be allowed adjacent to a parking stall which would prevent safe ingress and egress from a parked vehicle.
9. Parking in fire lanes and in non-residential driveways shall be prevented by standard signs and as needed by portable barricades.

DATE: 2001	STANDARD DETAIL	<p>CITY OF WILMINGTON ENGINEERING PO BOX 1810 WILMINGTON, NC 28402 (910) 341-7807</p>
DRAWN BY: JSR, CMR	PARKING FACILITY DESIGN NOTES	
CHECKED BY: B.P., P.E.		
SCALE: NOT TO SCALE		
SD 15-13		



DATE: FEB. 14, 2017	STANDARD DETAIL	<p>CITY OF WILMINGTON ENGINEERING PO BOX 1810 WILMINGTON, N.C. 28402 (910) 341-7807</p>
DRAWN BY: JSR	COMMERCIAL DRIVEWAY SECTIONS (VERTICAL CURB)	
CHECKED BY: D.E.C., P.E.		
SCALE: NOT TO SCALE		
SD 3-03.4		

NO.	DATE	REVISIONS

**DETAILS**

**Saint Luke AME Zion Church  
709 Church Street Parking Plan**

City of Wilmington, New Hanover County, North Carolina

OWNER: Saint Luke AME Zion Church  
709 Church Street, Wilmington, NC

Date: 01/02/24  
Scale: N/A  
Drawn: GW  
Checked: AHG  
Project No: 16411

**DETAILS**

PRELIMINARY PLAN

Sheet No: **D1**  
**D3**

**CITY STANDARD NOTES:**

- PRIOR TO ANY CLEARING, GRADING OR CONSTRUCTION ACTIVITY, TREE PROTECTION FENCING WILL BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES AND NO CONSTRUCTION WORKERS, TOOLS, MATERIALS, OR VEHICLES ARE PERMITTED WITHIN THE TREE PROTECTION FENCING.
  - 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 WILL OCCUR IN THOSE AREAS.
  - 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.
- TRAFFIC ENGINEERING**
- ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY, MUTCD, AND/OR NCDOT STANDARDS.
  - ONCE STREETS ARE OPEN TO TRAFFIC, CONTACT TRAFFIC ENGINEERING TO REQUEST INSTALLATION OF TRAFFIC AND STREET NAME SIGNS. PROPOSED STREET NAMES MUST BE APPROVED PRIOR TO INSTALLATION OF STREET NAME SIGNS.
  - TRAFFIC CONTROL DEVICES (INCLUDING SIGNS AND PAVEMENT MARKINGS) IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES) STANDARDS.
  - CONTACT TRAFFIC ENGINEERING AT 341-7888 TO ENSURE THAT ALL TRAFFIC SIGNAL FACILITIES AND EQUIPMENT ARE SHOWN ON THE PLAN.
  - CONTACT 311 PRIOR TO ANY EXCAVATION. CALL TRAFFIC ENGINEERING AT 341-7888 FORTY-EIGHT HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT-OF-WAY.
  - TRAFFIC ENGINEERING MUST APPROVE OF PAVEMENT MARKING PRIOR TO ACTUAL STRIPING.
  - ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT-OF-WAY ARE TO BE MAINTAINED BY THE OWNER IN ACCORDANCE WITH MUTCD STANDARDS.
  - STOP SIGNS AND STREET SIGNS TO REMAIN IN PLACE DURING CONSTRUCTION.
  - TACTILE WARNING MATS WILL BE INSTALLED ON ALL WHEELCHAIR RAMPS.
  - A UTILITY CUT PERMIT IS REQUIRED FOR EACH OPEN CUT OF A CITY STREET. IN CERTAIN CASES ENTIRE RESURFACING OF THE OPEN CUT AREA MAY BE REQUIRED.
  - ANY BROKEN OR MISSING SIDEWALK, DRIVEWAY PANELS OR CURBING SHALL BE REPLACED WHETHER DAMAGED DURING CONSTRUCTION OR DAMAGE WAS EXISTING.
  - PRIOR TO ENTERING ANY AGREEMENT REGARDING THE SALE OF A HOUSE OR LOT IN A SUBDIVISION, THE BUYER MUST RECEIVE A STREET DISCLOSURE STATEMENT.
  - ALL PROPOSED VEGETATION WITHIN SIGHT TRIANGLES SHALL NOT INTERFERE WITH CLEAR VISUAL SITE LINES FROM 30' TO 10'.
  - CONTACT THE CITY AT 341-7888 TO DISCUSS STREET LIGHTING OPTIONS. PROPOSED APPROXIMATE LOCATIONS SHOWN ON PLANS.
  - STREET LIGHTS SHALL BE DEP ENCLOSED CUTOFF (COBRA TYPE), HIGH PRESSURE SODIUM VAPOR (HPSV) OR DESIGNATED LED EQUIVALENT FIXTURE INSTALLED WITHIN THE RECOMMENDED RANGE OF MOUNTING HEIGHTS FOR THE SPECIFIC FIXTURE. THE STANDARD STREET LIGHT SHALL BE INSTALLED ON A FIBERGLASS POLE. SEE CITY TECHNICAL STANDARDS FOR FURTHER DETAIL.
- GENERAL UTILITY NOTES**
- WATER AND SEWER SERVICE SHALL MEET CAPE FEAR PUBLIC UTILITY AUTHORITY (CFPUA) DETAILS AND SPECIFICATIONS.
  - PROJECT SHALL COMPLY WITH CAPE FEAR PUBLIC UTILITY AUTHORITY CROSS CONNECTION CONTROL REQUIREMENTS. WATER METERS CANNOT BE RELEASED UNTIL ALL REQUIREMENTS ARE MET AND THE STATE HAS GIVEN THEIR FINAL APPROVAL. CALL 343-3910 FOR INFORMATION.
  - IF THE CONTRACTOR DESIRES CFPUA WATER FOR CONSTRUCTION HE 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.
  - ANY IRRIGATION SYSTEM SUPPLIED BY CFPUA WATER SHALL COMPLY WITH CFPUA CROSS CONNECTION CONTROL REGULATIONS. CALL 343-3910 FOR INFORMATION.
  - ANY IRRIGATION SYSTEM SHALL BE EQUIPPED WITH A RAIN AND FREEZER SENSOR.
  - ANY BACKFLOW PREVENTION DEVICES REQUIRED BY CFPUA WILL NEED TO BE ON THE LIST OF APPROVED DEVICES BY USFCO/CCR OR ASSE.
  - CONTRACTOR TO FIELD VERIFY EXISTING WATER AND SEWER SERVICE LOCATIONS, SIZES AND MATERIALS PRIOR TO CONSTRUCTION. ENGINEER TO BE NOTIFIED OF ANY CONFLICTS.
  - CONTRACTOR SHALL MAINTAIN ALL-WEATHER ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING CONSTRUCTION.
  - UNDERGROUND FIRE LINES MUST BE PERMITTED AND INSPECTED BY THE WILMINGTON FIRE DEPARTMENT FROM THE PUBLIC RIGHT-OF-WAY TO THE BUILDING. CONTACT THE WILMINGTON FIRE DEPARTMENT DIVISION OF FIRE AND LIFE SAFETY AT 910-341-0090.
  - CONTACT THE NORTH CAROLINA ONE CALL CENTER AT 1-800-632-4949 PRIOR TO ANY DIGGING, CLEARING OR GRADING.
  - ANY PVC MAINS ARE TO BE MARKED WITH NO 10 INSULATED COPPER WIRE INSTALLED THE ENTIRE LENGTH AND ATTACHED TO THE PIPE AND STRIPPED TO BARE WIRE AND SECURED TO ALL VALVES AND FITTINGS, ACCESSIBLE IN ALL VALVE AND METER BOXES. ALL WATER MAINS SHALL MAINTAIN A MINIMUM OF 3" OF COVER.

**ADA NOTES**

- LOCATION OF WHEELCHAIR RAMPS:
  - IN ACCORDANCE WITH THE RATIFIED HOUSE BILL 1296, ALL STREET CURBS IN NORTH CAROLINA BEING CONSTRUCTED OR RECONSTRUCTED FOR MAINTENANCE PROCEDURES, TRAFFIC OPERATIONS, REPAIRS, CORRECTION OF UTILITIES OR ALTERED FOR ANY REASON AFTER SEPTEMBER 1973 SHALL PROVIDE WHEELCHAIR RAMPS FOR THE PHYSICALLY HANDICAPPED AT ALL INTERSECTIONS WHERE BOTH CURB AND GUTTER AND SIDEWALKS ARE PROVIDED AND AT OTHER MAJOR POINTS OF PEDESTRIAN FLOW.
  - WHEELCHAIR RAMPS SHOULD BE LOCATED AS INDICATED IN DETAIL DRAWINGS, HOWEVER EXISTING LIGHT POLES, FIRE HYDRANTS, DROP INLETS, ETC. MAY AFFECT PLACEMENT.

**CONSTRUCTION NOTES:**

- NO SLOPE SHALL EXCEED 1"-11" (12:1) ON THE RAMP OR SIDEWALK.
- IN NO CASE SHALL THE WIDTH OF WHEELCHAIR RAMPS BE LESS THAN 40" (3'-4"). WIDTHS MAY EXCEED 40" IF NECESSARY.
- USE CLASS "A" CONCRETE WITH THE SURFACE HAVING A ROUGH, NON-SKID TYPE FINISH.
- 1/2" EXPANSION JOINT WILL BE REQUIRED WHERE THE CONCRETE WHEELCHAIR RAMP JOINS ANY RIGID PAVEMENT OR STRUCTURE.
- CONSTRUCTION METHODS SHALL CONFORM WITH THOSE OF THE GOVERNING BODY WHICH HAS JURISDICTION OF THE PARTICULAR STREET.
- THE INSIDE PEDESTRIAN CROSSWALK LINES SHALL BE ESTABLISHED BY BISECTING THE INTERSECTION RADI WHERE MARKED (SEE NOTE 2).
- THE WHEELCHAIR RAMP SHALL BE LOCATED SO THAT THE BEGINNING OF THE WHEEL CHAIR RAMP WILL BE TWO FEET FROM THE INSIDE PEDESTRIAN CROSSWALK LINE.
- THE WIDTH OF THE PEDESTRIAN CROSSWALK SHALL BE 10 FEET UNLESS A GREATER WIDTH IS REQUIRED TO ACCOMMODATE THE PEDESTRIAN.
- STOP BARS SHALL BE USED 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 REQUIREMENTS.
- PARKING SHALL BE ELIMINATED A MINIMUM OF 20 FEET BACK OF PEDESTRIAN CROSSWALK.
- ALL PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES PUBLISHED BY THE FEDERAL HIGHWAY ADMINISTRATION. THIS IS AVAILABLE FROM THE SUPERINTENDENT OF DOCUMENTS, U.S. GOVERNMENT.

**ADDITIONAL NOTES CONT.:**

- This property is not located within a special flood hazard area according to Flood Insurance Rate Map Community Panel #3720312700K, effective date August 28, 2016.
- Handicap Ramps shall be provided at all intersections.
- Landscaping is to be preserved or planted in accordance with City of Wilmington standards.
- Refuse collection by roll out trash cans and private hauler.
- Reflectors shall be installed as per City And NCDOT Standards.
- Per the requirements of the stormwater permit, the following shall occur prior to issuance of a certificate of occupancy or operation of the permitted facility:
  - As-built drawings for all stormwater management facilities shall be submitted to the city of Wilmington engineering division.
  - An engineer's certification shall also be submitted, along with all supporting documentation that specifies, under seal that the as-built stormwater measures, controls and devices are in compliance with the approved stormwater management plans.
  - A final inspection by city of Wilmington engineering personnel.
- All required easement maps shall be reviewed by city staff and recorded prior to issuance of a certificate of occupancy.

**ADDITIONAL UTILITY/GRADING NOTES**

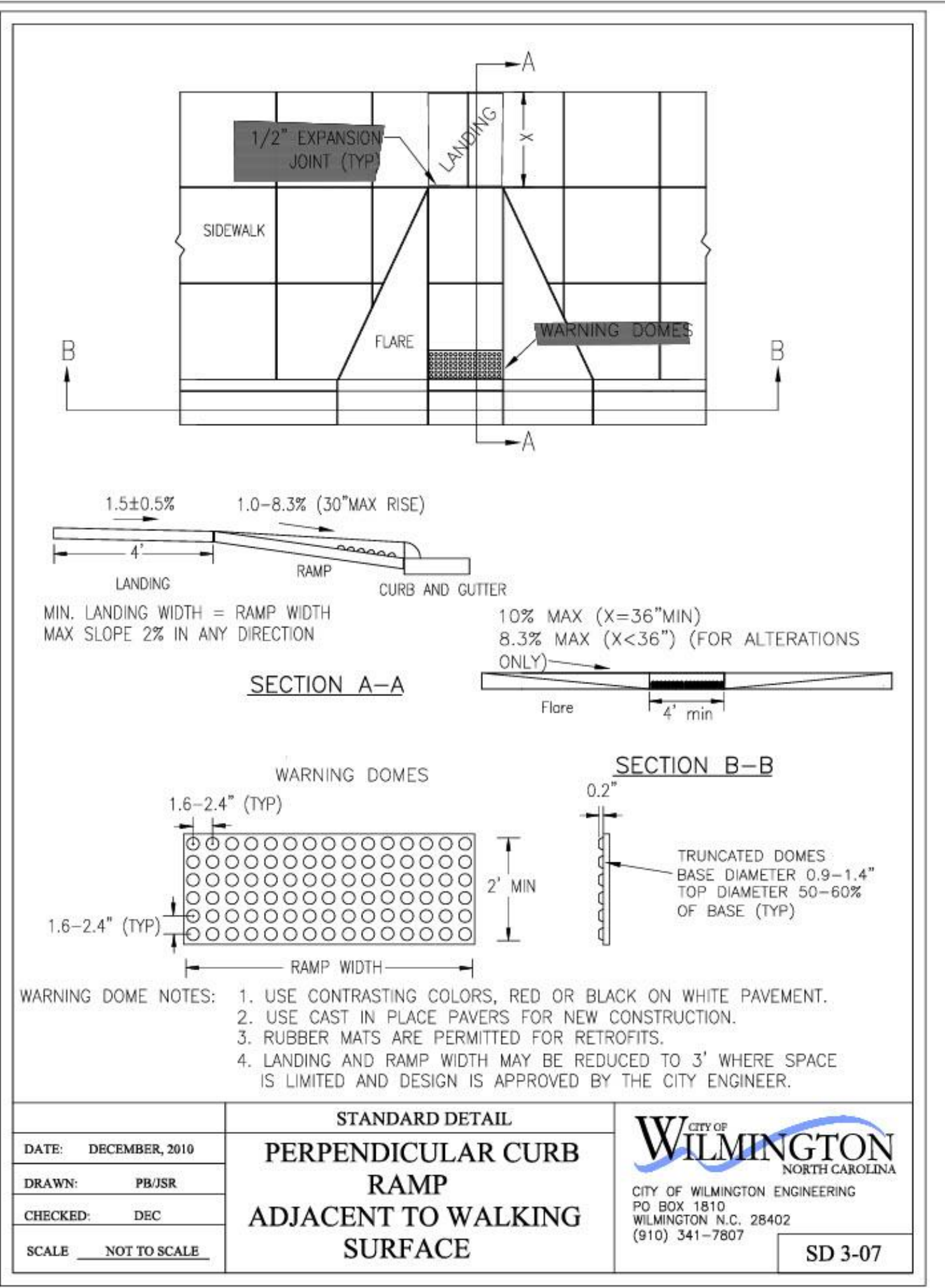
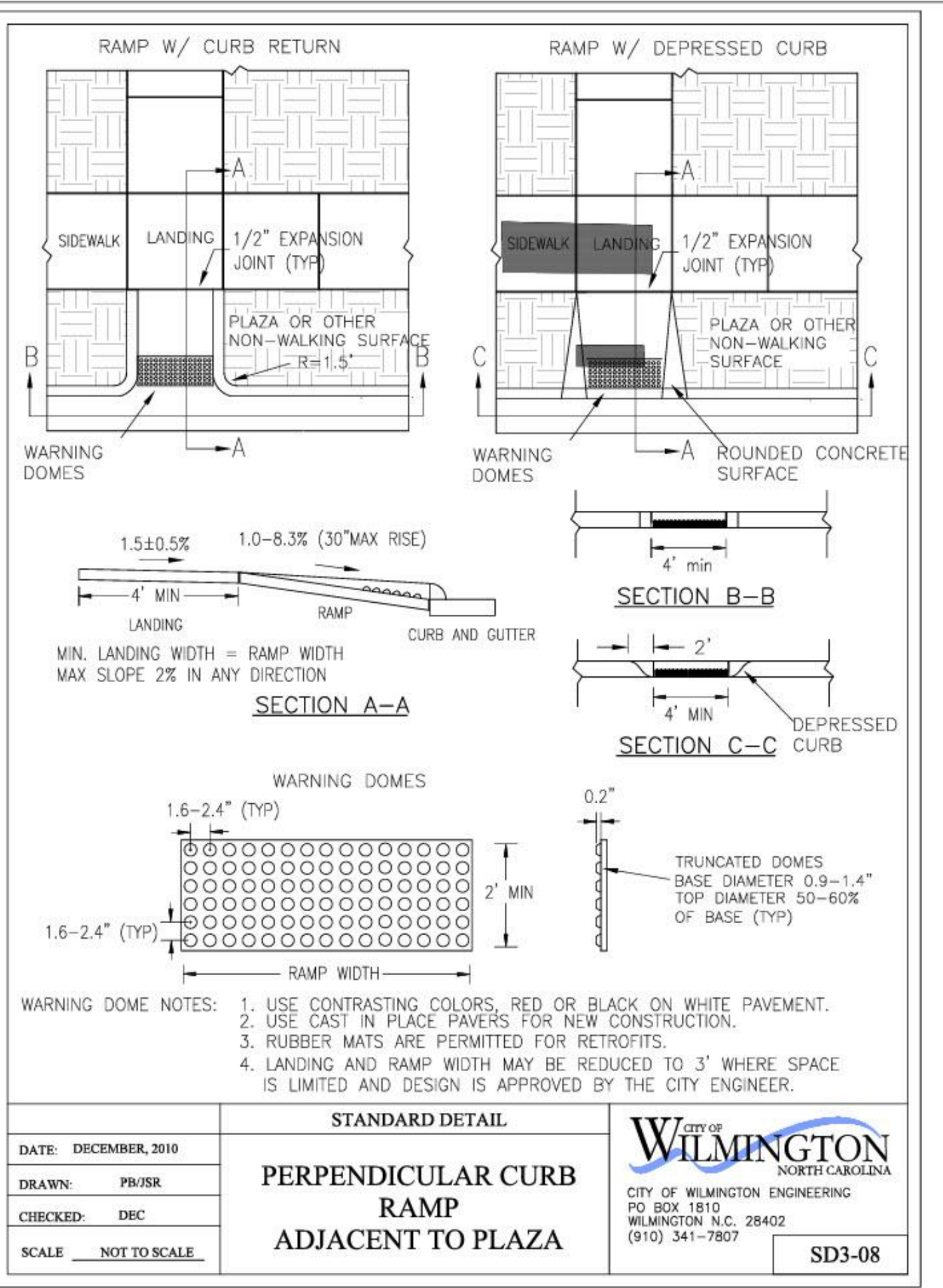
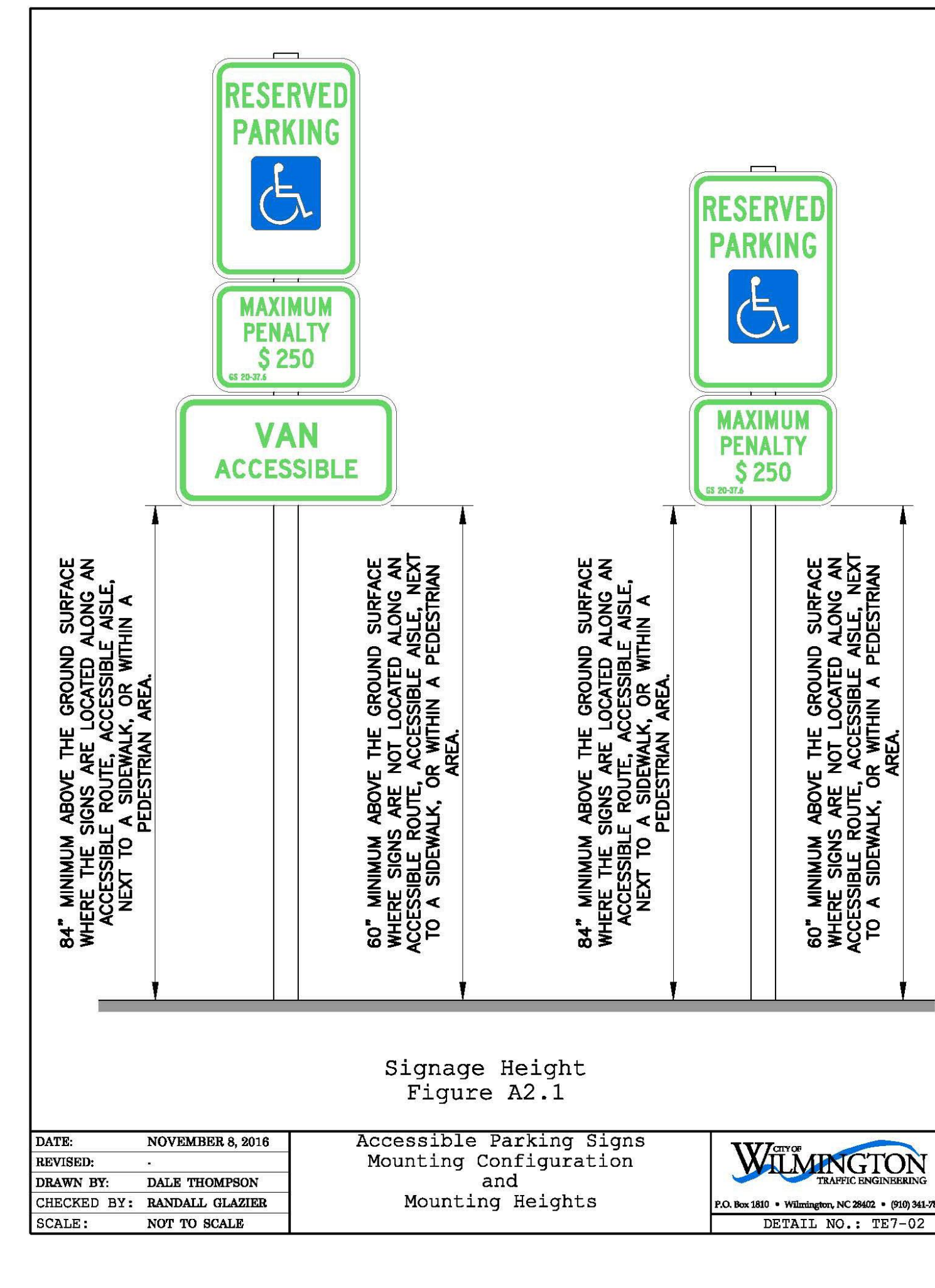
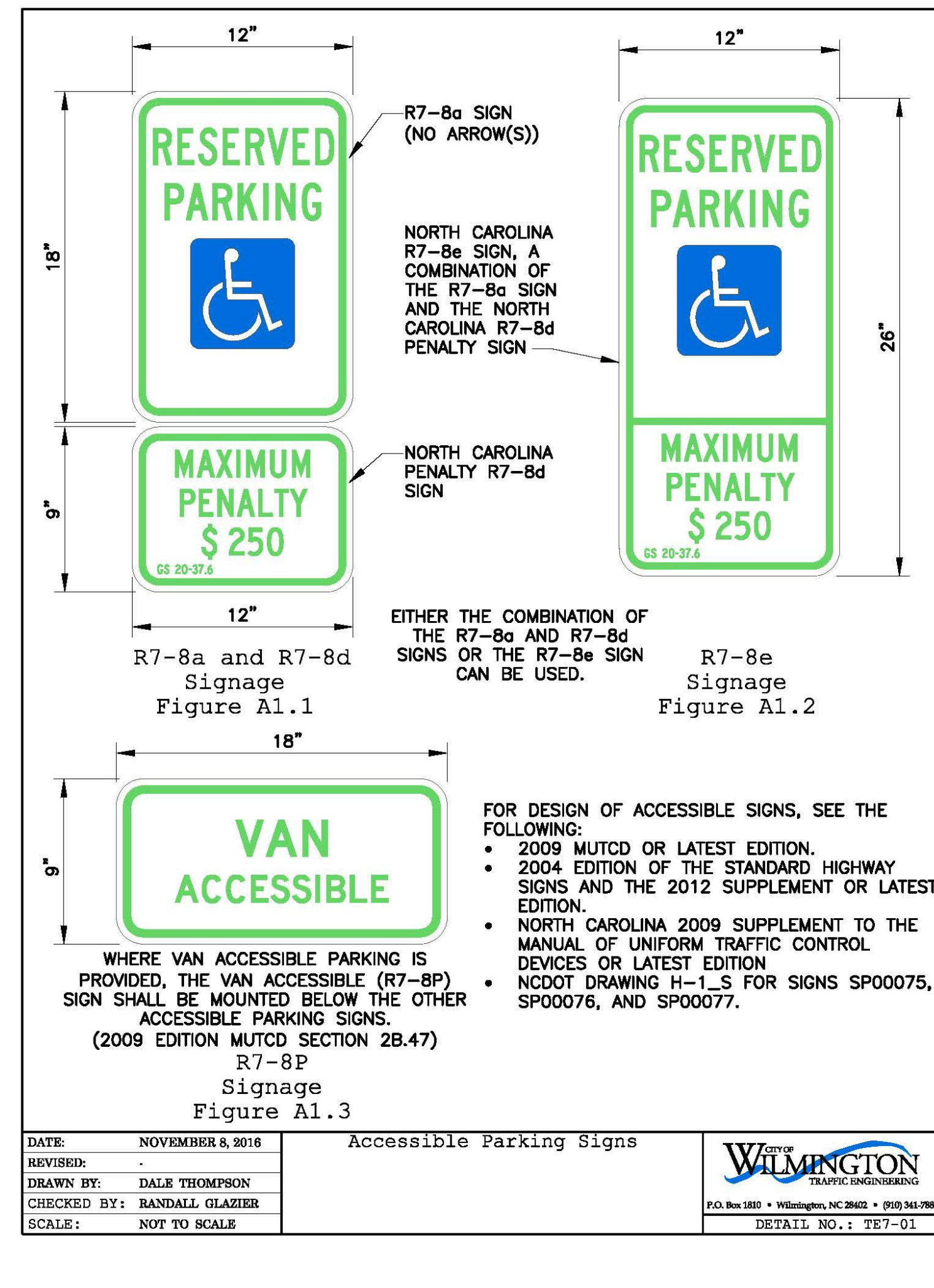
- CARE SHALL BE TAKEN DURING FINAL GRADING TO ENSURE POSITIVE DRAINAGE TO RECEIVING STRUCTURES. ALL STORM WATER RUNOFF FROM BUILT UPON AREAS (i.e. IMPERVIOUS SURFACES AND ROOF DRAINAGE) TO BE DIRECTED TO STORM SEWER COLLECTION SYSTEM (i.e. STORM INLETS OR PONDS) BY SWALES, OVERLAND FLOW, ADDITIONAL GRADING, OR LANDSCAPING INLETS.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ANY RELOCATIONS, REALIGNMENTS, DISCONNECTIONS OR CONNECTIONS OF EXISTING UTILITIES WITH APPLICABLE AUTHORITIES.
- CLEARING AND GRUBBING OF SITE TO INCLUDE REMOVAL OF EXISTING CURB, ASPHALT, T. 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.
- MINIMUM SEPARATION SHALL BE MAINTAINED AS FOLLOWS:
  - HORIZONTAL CLEARANCE OF 10 FEET BETWEEN SANITARY SEWER AND WATER MAINS.
  - HORIZONTAL CLEARANCE OF 10 FEET BETWEEN SANITARY SEWER AND WATER MAINS.
  - WHERE VERTICAL CLEARANCE IS LESS THAN 18" 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' EITHER SIDE OF CROSSING.
  - WHERE VERTICAL CLEARANCE IS LESS THAN 18" BETWEEN WATER MAIN AND STORM DRAIN, WATER MAIN SHALL BE DUCTILE IRON PIPE FOR A MINIMUM OF 10' EITHER SIDE OF CROSSING.
- SEE DETAIL SHEETS FOR TYPICAL UTILITIES HOOKUPS.
- ALL STREETS ARE PROPOSED TO BE PUBLIC (BUILT TO CITY OF WILMINGTON STANDARDS) N.C.D.O.T. PAVEMENT AND SUBGRADE STANDARDS).
- ALL SANITARY SEWER MAINS TO BE 8" UNLESS OTHERWISE INDICATED.
- ALL WATER MAINS TO BE 8" UNLESS OTHERWISE INDICATED.
- TWO VALVES ARE REQUIRED AT "T" INTERSECTIONS AND ONE VALVE ON THE WATER LINE TO FIRE HYDRANTS.
- A BLOW-OFF VALVE IS REQUIRED AT THE TERMINUS OF ALL "DEAD END" WATER LINES.
- SANITARY SEWER, STORM, WATER, AND OTHER PERTINENT DETAILS/SPECIFICATIONS TO BE PROVIDED WITH CONSTRUCTION PLANS AND SHALL MEET OR EXCEED CITY AND CFPUA DESIGN STANDARDS.

**ADDITIONAL NOTES:**

- THIS MAP IS PRELIMINARY, NOT INTENDED FOR RECORDATION, SALES, OR CONVEYANCE.
- ALL DISTANCES AS SHOWN ARE HORIZONTAL.
- SEWER PROVIDED BY CFPUA.
- WATER PROVIDED BY CFPUA.
- SITE WILL MEET ALL ZONING REQUIREMENTS.
- REGULATED TREES ON SITE TO BE PRESERVED AS SHOWN.
- STRIPING AND LANES TO CITY STANDARDS (THERMOPLASTIC).
- NO VEHICULAR ACCESS TO SITE EXCEPT AS SHOWN.
- ALL UTILITIES UNDERGROUND.
- LANDSCAPING AND LIGHTING PLAN BY OTHERS.
- CONTRACTOR TO COORDINATE STAGING OF CONSTRUCTION ACTIVITIES WITH THE OWNER AND ARCHITECT TO FACILITATE ONGOING ADJOINING BUSINESS ACTIVITIES.
- CONTRACTOR TO COORDINATE REMOVAL AND RELOCATION OF LIGHTING AND OTHER NON-MUNICIPAL UTILITIES SUCH AS ELECTRICAL AND TELEPHONE CONNECTIONS WITH THE AFFECTED AGENCIES AND THE OWNER AND ARCHITECT.
- ALL SERVICES TO BE INSTALLED IN ACCORDANCE WITH CITY AND CFPUA TECHNICAL STANDARDS.

**ADDITIONAL ADA NOTES:**

- REFER TO 2018 NCDOT ROADWAY STANDARD DRAWINGS NUMBER 848.05 - 848.06 FOR RAMP DESIGN AND DETAILS.
- ALL RAMPS, HANDICAP PARKING, AND ACCESSIBLE ROUTES SHALL COMPLY WITH THE LATEST ADA GUIDELINES.
- RUNNING SLOPES ALONG AN ACCESSIBLE ROUTE EXCEEDING 1/2% SHALL BE CONSIDERED A RAMP.
- 8.33% (12:1) MAX RAMP SLOPE.
- MAXIMUM CROSS SLOPE ALLOWED ALONG ACCESSIBLE ROUTES: 2.00%
- ALL CURB RAMPS REQUIRE A 4'-0" MINIMUM LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SLOPE TO DRAIN TO CURB.
- CONTRACTOR TO ENSURE SLOPES IN HANDICAP PARKING STALLS AND ACCESS ISLES DO NOT TO EXCEED 2% IN ANY DIRECTION.



**HANOVER DESIGN SERVICES, P.A.**  
 LAND SURVEYORS, ENGINEERS & LAND PLANNERS  
 1322 FEDERAL PARKWAY  
 WILMINGTON, N.C. 28403  
 LICENSE # 0-0599

DATE: \_\_\_\_\_  
 REVISIONS: \_\_\_\_\_

OWNER: Saint Luke AME Zion Church  
 709 Church Street, Wilmington, NC


DATE: 01/02/24  
 Scale: N/A  
 Drawn: GW  
 Checked: AHG  
 Project No: 16411

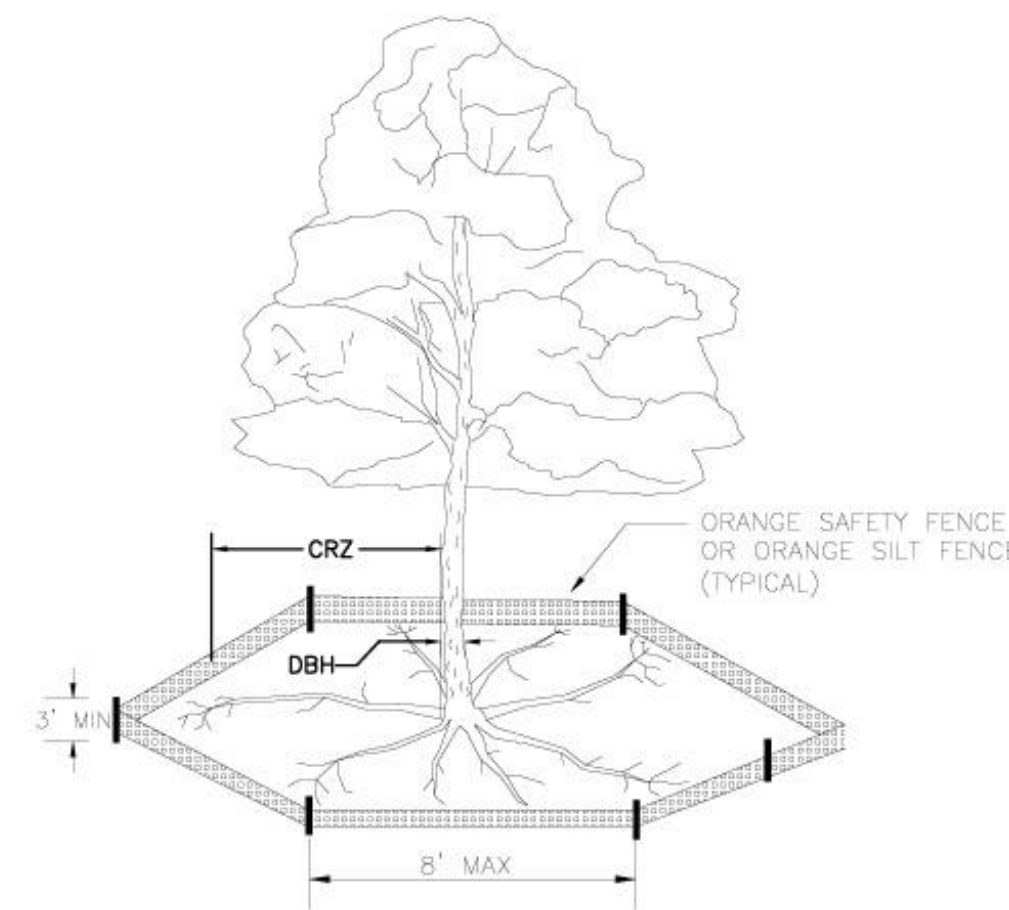
**SAINT LUKE AME ZION CHURCH**  
 709 Church Street Parking Plan

**PRELIMINARY PLAN**

Sheet No: **D2**  
**D3**

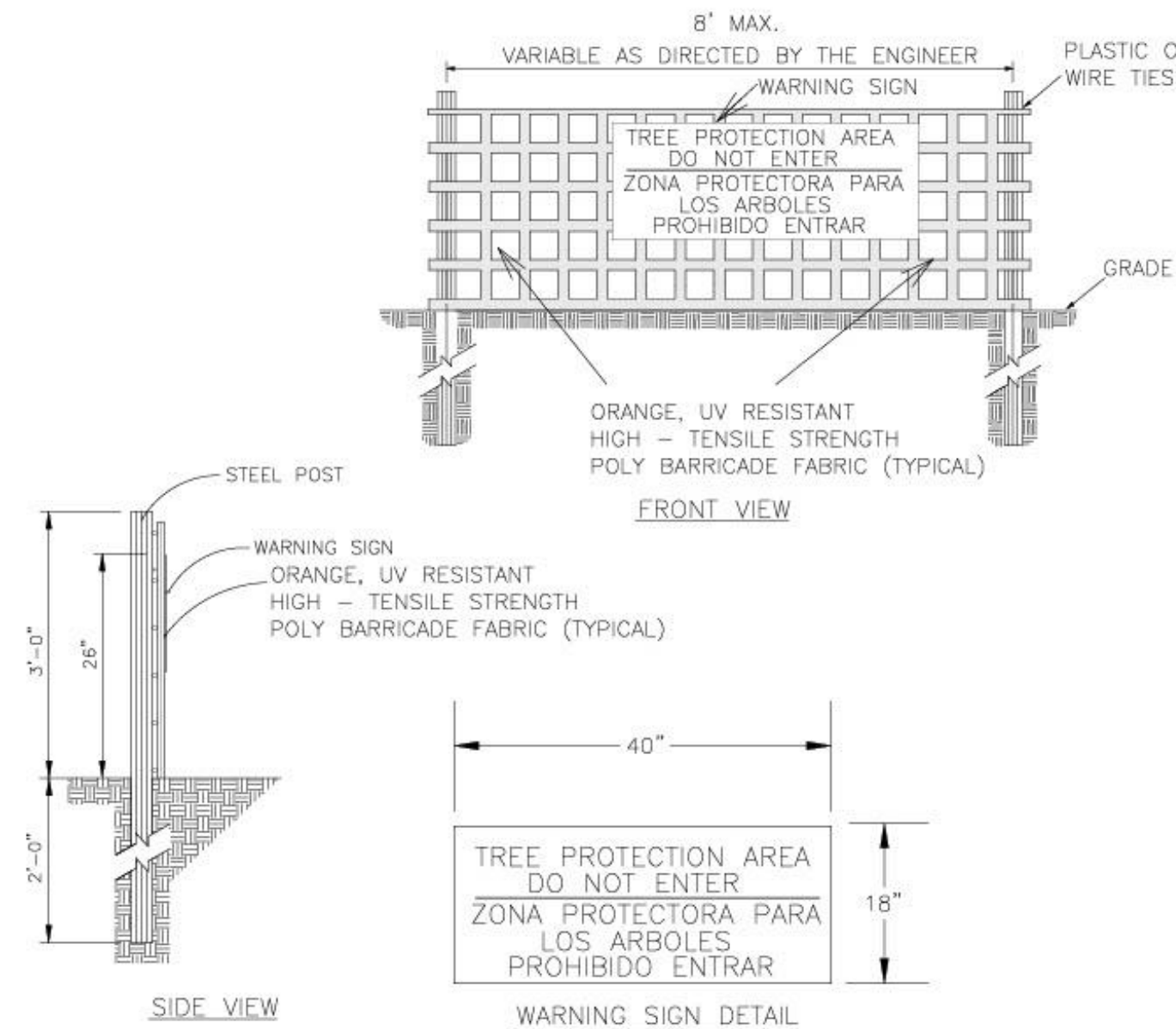
- No plantings over thirty (30) inches in height allowed in vision clearance.
- Protection from vehicular traffic provided around all landscaping with a minimum height of six (6) inches.
- Owner is responsible for maintenance to ensure plant material lives and prospers.
- Planting plans shall be approved by Landscape Designer prior to installation.
- Landscaping shall be required at the ends of all parking rows.
- A low buffer shall be required where parking is within fifty (50) feet of the Right-of-Way.
- Landscaped islands shall be a minimum width of twelve (12) feet (back of curb to back of curb) and a minimum of two hundred and sixteen (216) square feet.
- A minimum of fifteen (15) trees 2 inches or greater in diameter as measured 6 inches above ground per disturbed acre.
- For recommended Plant List see "Landscape" T-10.4.

STANDARD DETAIL		 CITY OF WILMINGTON ENGINEERING PO BOX 1810 WILMINGTON, NC 28402 (910) 341-7807	SD 15-14
DATE:	APRIL, 2008		
DRAWN BY:	JSR		
CHECKED BY:	B.P., P.E.		
SCALE:	NOT TO SCALE	LANDSCAPE NOTES	



- NOTES:
- PROTECT CRITICAL ROOT ZONE (CRZ) OF TREES PRIOR TO CONSTRUCTION. CLEARLY MARK THE TREES AND ERECT A PROTECTIVE BARRIER AT THE CRZ. BARRIER SHALL BE MAINTAINED UNTIL CONSTRUCTION IS COMPLETE.
  - CRZ RADIUS IS 1.25 FT PER INCH OF TREE DIAMETER AT BREAST HEIGHT (DBH).
  - IF CONSTRUCTION TRAFFIC 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, CONTINGENT UPON URBAN FORESTRY APPROVAL.
  - WHERE SIDEWALKS AND PATHWAYS PASS WITHIN CRZ, EXTRA CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE ROOTS. ALTERNATE CONSTRUCTION METHODS, SUCH AS A REINFORCED SIDEWALK, SHALL BE IMPLEMENTED AS NECESSARY.
  - FOR ALL TREES, CUTTING OF LARGE STRUCTURAL ROOTS LOCATED NEAR THE BASE OF THE TRUNK IS PROHIBITED. DO NOT COMPACT SOIL BENEATH TREES. NO VEHICLE SHALL BE ALLOWED TO PARK UNDER TREES. NO MATERIALS OR EQUIPMENT SHALL BE STORED BENEATH TREES. DAMAGING THE BARK WITH LAWNMOWERS, CONSTRUCTION EQUIPMENT, OR ANYTHING ELSE IS PROHIBITED. CONTRACTOR SHALL REPAIR DAMAGE TO TREES.
  - FAILING TO INSTALL OR MAINTAIN PROTECTION MEASURES SHALL RESULT IN A STOP WORK ORDER AND FINE OF \$500/DAY. DISTURBANCE OTHER THAN THAT ALLOWED ON THE APPROVED PLAN WILL REQUIRE OWNER TO POST A LETTER OF CREDIT FOR 3 YRS FOR TREE MITIGATION.

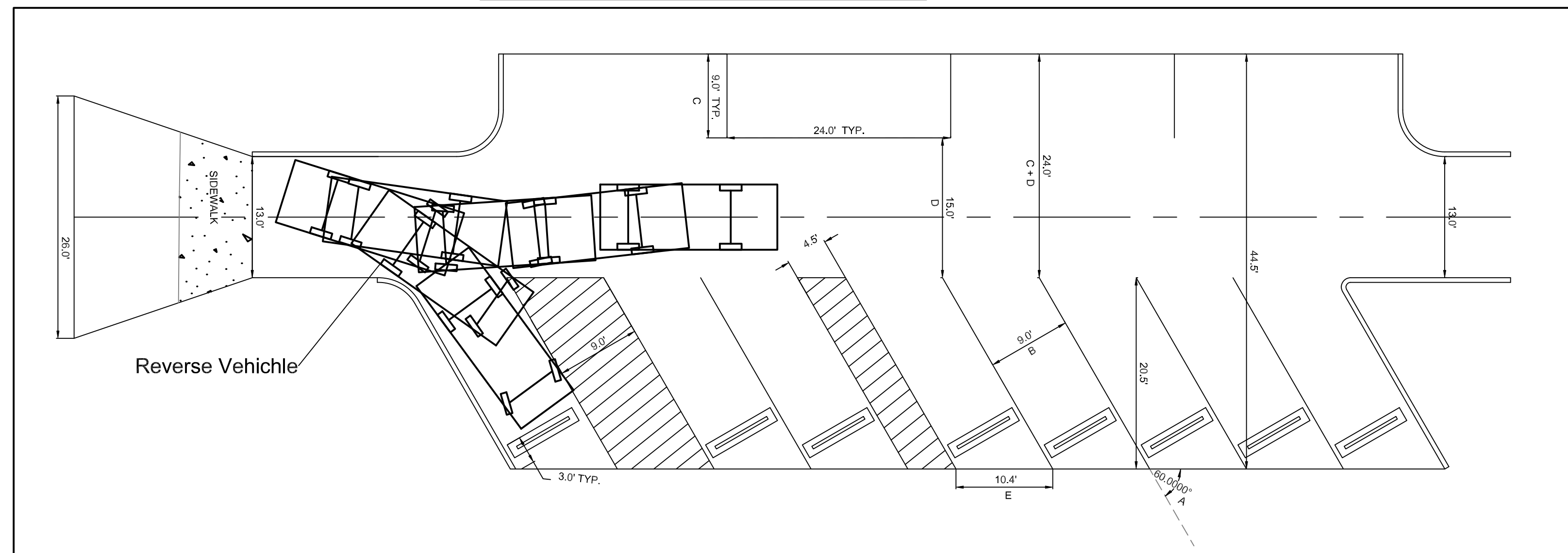
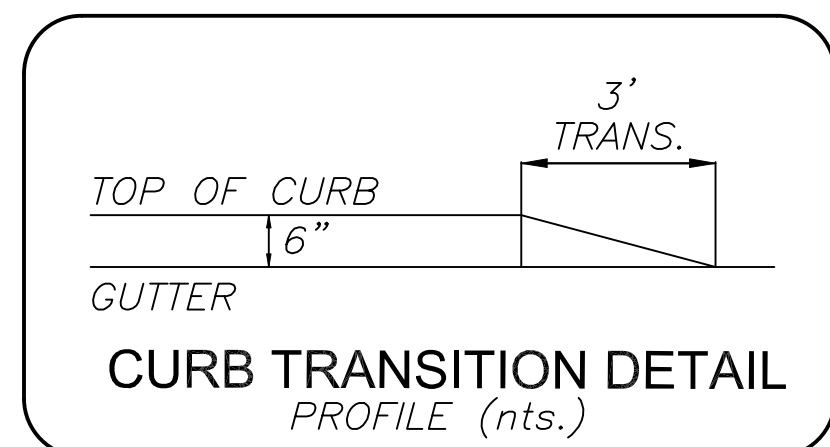
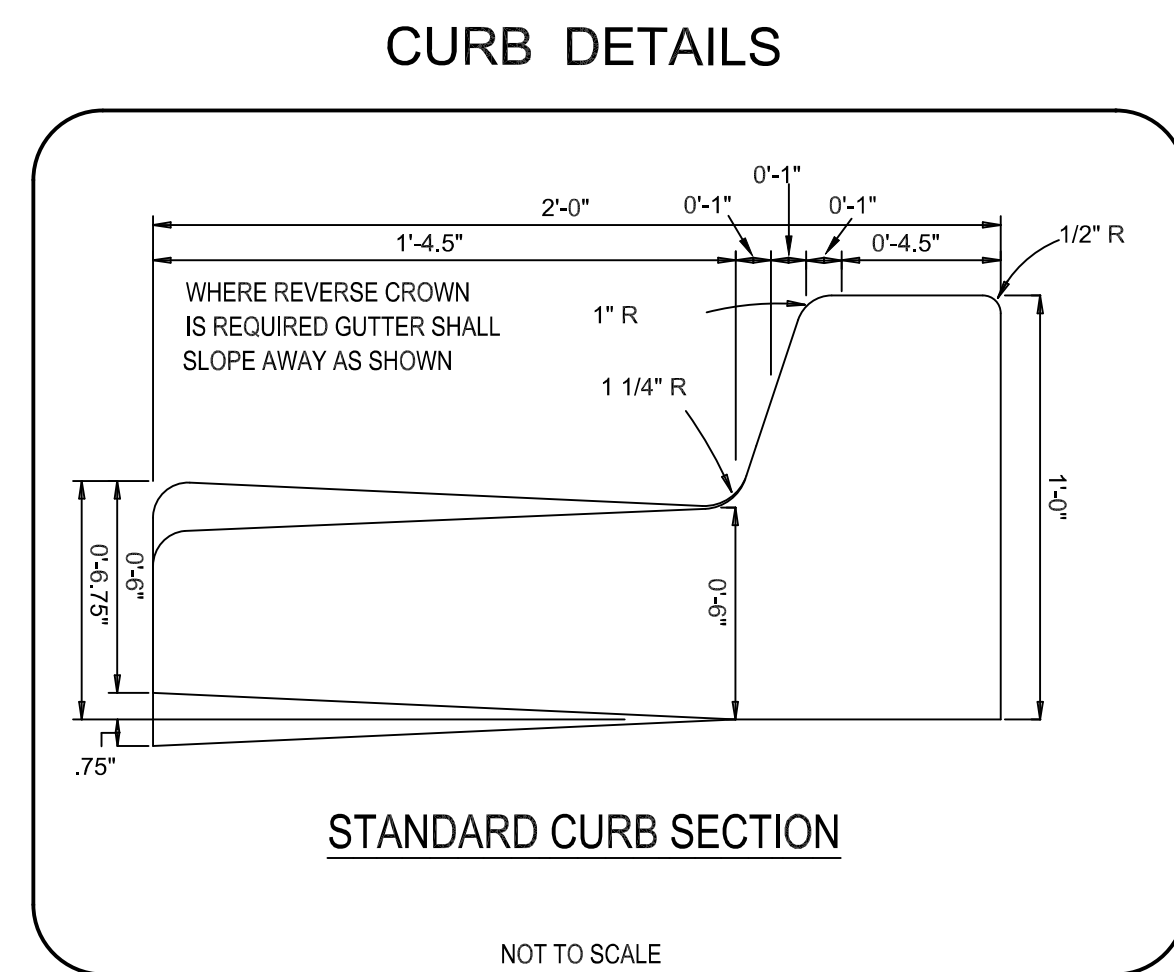
STANDARD DETAIL		 CITY OF WILMINGTON ENGINEERING PO BOX 1810 WILMINGTON, NC 28402 (910) 341-7807	SD 15-09
DATE:	NOV. 30, 2023		
DRAWN BY:	JSR		
CHECKED BY:	RDG, P.E.		
SCALE:	NOT TO SCALE	TREE PROTECTION DURING CONSTRUCTION SHEET 1 of 2	



- NOTES:
- THE TREE PROTECTION FENCING SHALL NOT BE VIOLATED FOR THE ENTIRE DURATION OF THE PROJECT WITHOUT APPROVAL FROM URBAN FORESTRY STAFF.
  - WARNING SIGNS TO BE MADE OF DURABLE, WEATHERPROOF MATERIAL. LETTERS TO BE 3" HIGH, MINIMUM, CLEARLY LEGIBLE AND SPACED AS DETAILED.
  - 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 100' IN PERIMETER, PROVIDE NO LESS THAN TWO SIGNS PER PROTECTION AREA.
  - ATTACH SIGNS SECURELY TO FENCE POSTS AND FABRIC. MAINTAIN TREE PROTECTION FENCE AND SIGNS THROUGHOUT DURATION OF PROJECT.
  - TREE PROTECTION FENCING AND SIGNAGE SHALL BE REMOVED AFTER CONSTRUCTION.
  - ADDITIONAL SIGNS MAY BE REQUIRED BY CITY OF WILMINGTON, BASED ON ACTUAL FIELD CONDITIONS.

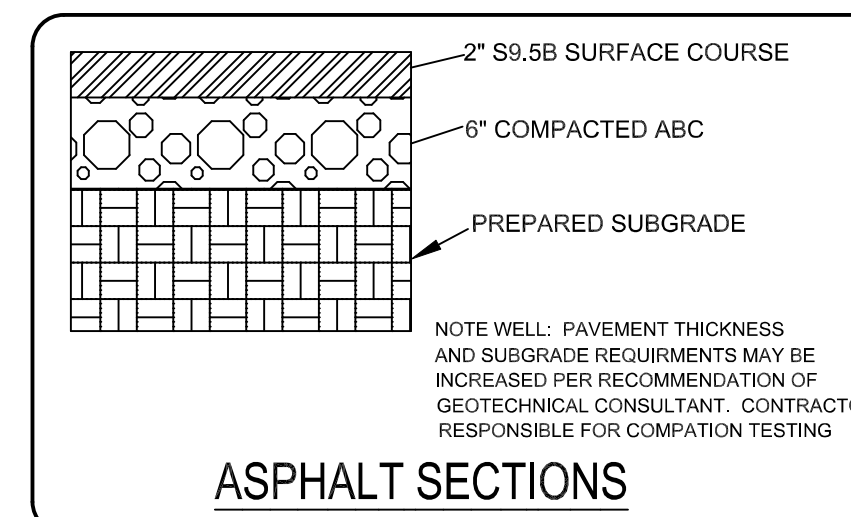
STANDARD DETAIL		 CITY OF WILMINGTON ENGINEERING PO BOX 1810 WILMINGTON, NC 28402 (910) 341-7807	SD 15-09
DATE:	JAN, 2015		
DRAWN BY:	JSR		
CHECKED BY:	RDG, P.E.		
SCALE:	NOT TO SCALE	TREE PROTECTION DURING CONSTRUCTION SHEET 2 of 2	

## PARKING LOT DIMENSIONS AND VEHICLE TRACKING

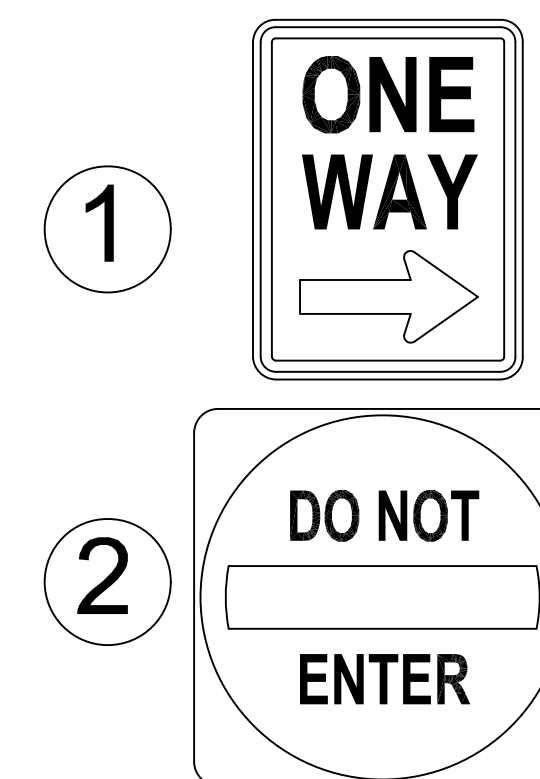


### PROPOSED PARKING DIMENSIONS

A	PARKING ANGLE	60 DEGREES
B	STALL WIDTH	9'
C	REAR OF STALL TO FRONT OF STALL	20.5'
D	AISLE WIDTH	15'
E	LENGTH ALONG FRONT OF STALL	10.4'
F	CURB TO CURB	NA
G	STALL END CENTER TO STALL END, DOUBLE LOADED AISLE	NA
H	WIDTH OF DOUBLE ROW	NA
I	PER TRAFFIC LANE	15'
J	FOR ONE WAY TRAFFIC ONLY	24'



### SIGN LEGEND



DATE	REVISIONS

OWNER: Saint Luke AME Zion Church  
709 Church Street, Wilmington, NC

City of Wilmington, New Hanover County, North Carolina

Project No: 16411

Checked: AHG

Drawn: GW

Scale: N.T.S.

Date: 01/02/24

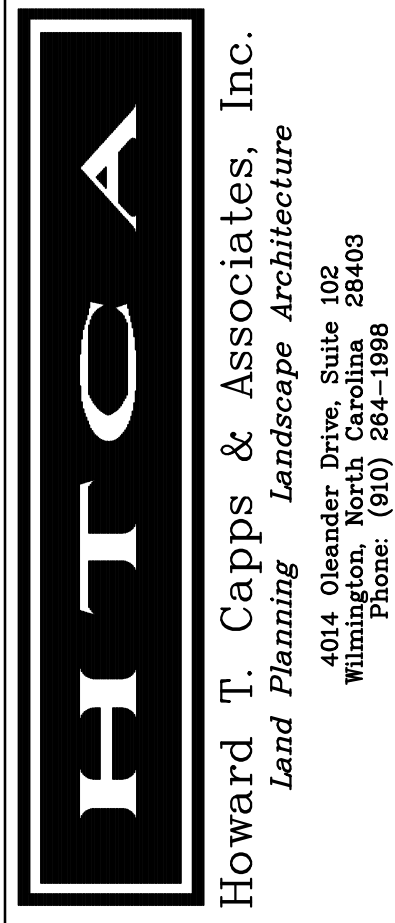
DETAILS

PRELIMINARY PLAN

Sheet No: D3  
D3

HANOVER DESIGN SERVICES, P.A.  
LAND SURVEYORS, ENGINEERS & LAND PLANNERS  
1122 FLORAL PARKWAY  
WILMINGTON, NC 28403  
PHONE: (910) 341-2000  
LICENSE # C-0097

REVISIONS	DATE

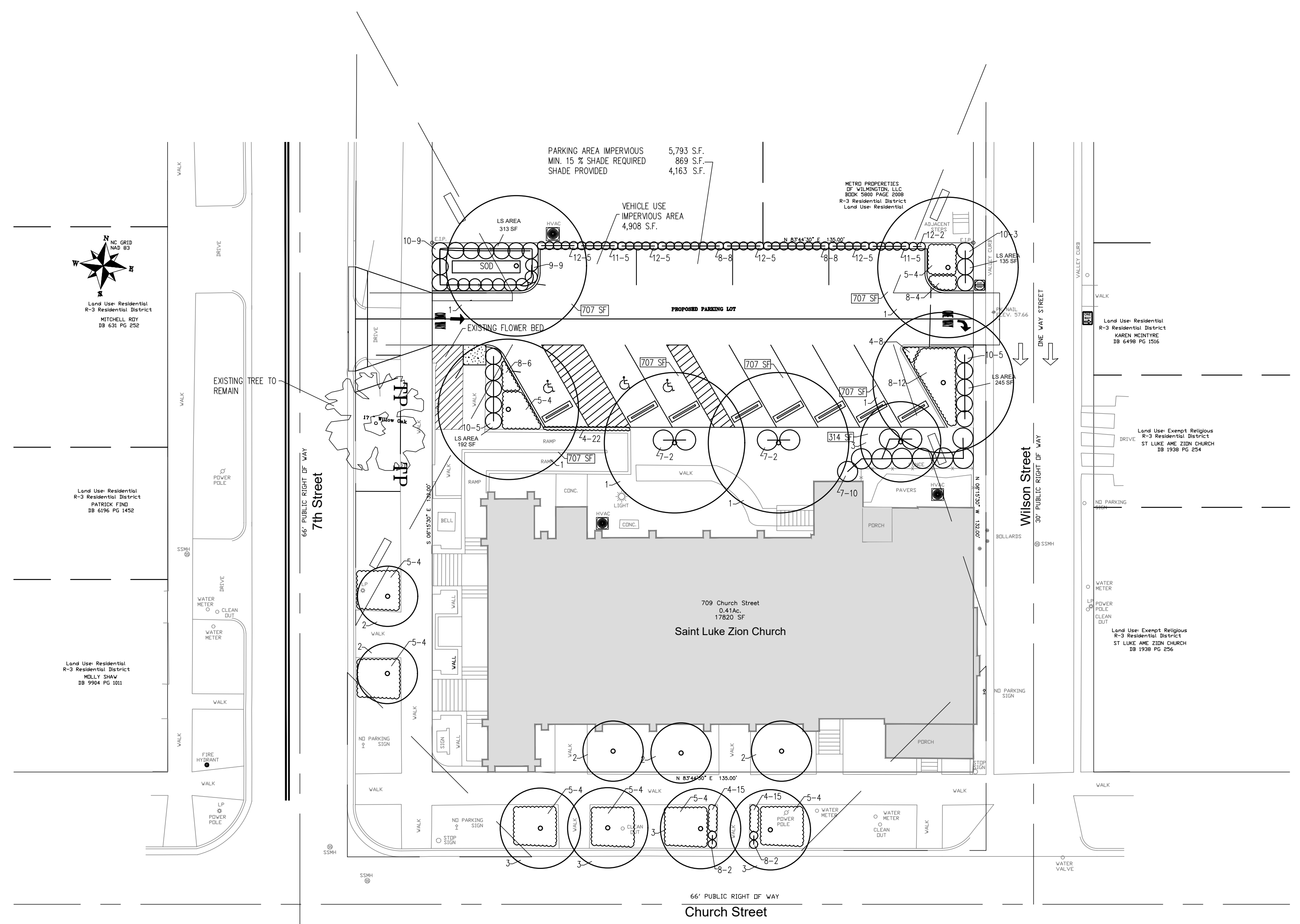


Owner:  
 Rev. Jermaine B. Armour, D.D.  
 St. Luke AME Zion Church  
 709 Church Street  
 Wilmington, N.C.

St. Luke AME Zion Church  
 709 Church Street  
 Wilmington, North Carolina

DESIGNED: H. Capps	DRAWN: R. Capps
DATE : 3-26-2024	
SCALE : 1"=20'	
JOB NO. : 441-01015	
SHEET 1	
OF SHEETS	

ST. LUKE AME ZION CHURCH PLANT LIST							
KEY NO.	QUANTITY	BOTANICAL NAME	COMMON NAME	ROOT	CAL.	HT.	REMARKS
<b>CANOPY TREES</b>							
1	6	QUERCUS PHELLOS	WILLOW OAK	WB	2"	8' - 10'	
<b>UNDERSTORY TREES</b>							
2	6	ACER PALMATUM	JAPANESE MAPLE	25 GAL.		8'	BLOODGOOD MULTI-STEM
3	5	LAGERSTROEMIA INDICA	CREPE MYRTLE	WB		8'	MUSKOGEE LAVENDER
<b>GROUND COVER</b>							
4	60	LIRIOPE MUSCARI	LILY TURF	1 GAL.			1' O.C. SUPER BLUF
5	38	JUNIPERUS EXPANSA	PARSONS JUNIPER	3 GAL.			5' O.C.
<b>SMALL SHRUBS</b>							
6	3	ILEX VOMITORIA NANA	DWARF YALPON	3 GAL.		12" @ PLANTING	4' O.C.
7	14	HYDRANGEA MACROPHYLLA	BIG LEAF HYDRANGEA	3 GAL.			5' O.C. BLUE WAVE
8	42	MUHLENBERGIA CAPILLARIS	PINK MUHLY GRASS	3 GAL.			2' O.C.
9	9	PENNISETUM ALOPECUROIDES	DWARF FOUNTAIN GRASS	3 GAL.			3' O.C.
<b>LARGER SHRUBS/FLOWERING/COLOR/SCREEN</b>							
10	20	RUBY LOROPETALUM	CHINESE FRINGE FLOWER	7 GAL.		3' @ PLANTING	5' O.C.
11	10	NANDINA DOMESTICA	NANDINA	3 GAL.			2' O.C.
12	25	ILEX CRENATA "SKY PENCIL"	SKY PENCIL HOLLY	5 GAL.			2' O.C.



NOT FOR CONSTRUCTION

