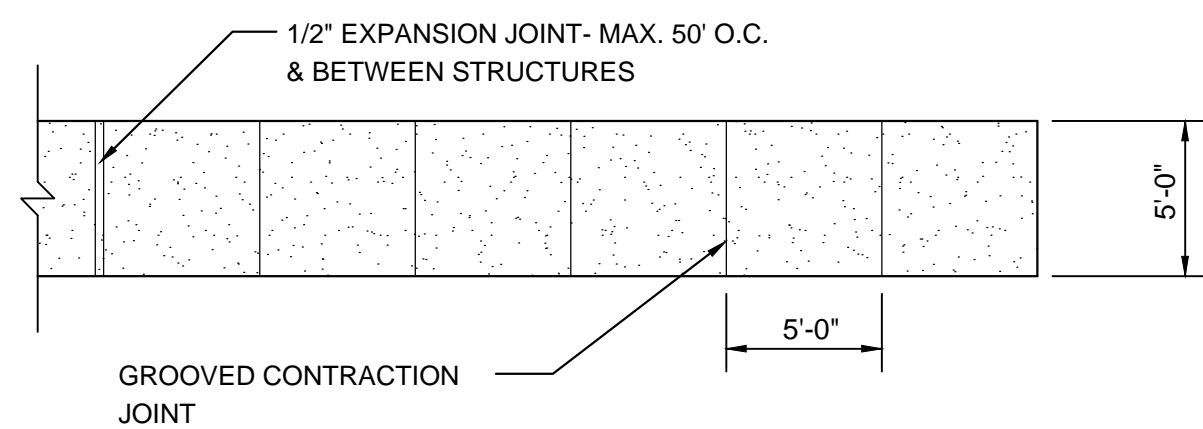
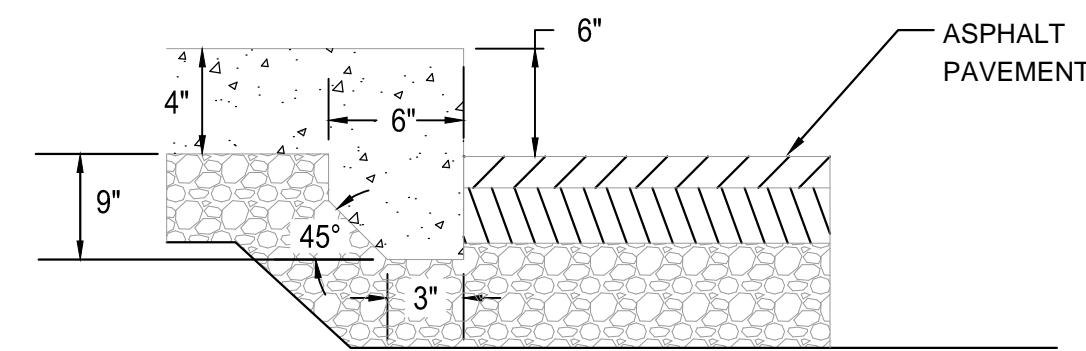
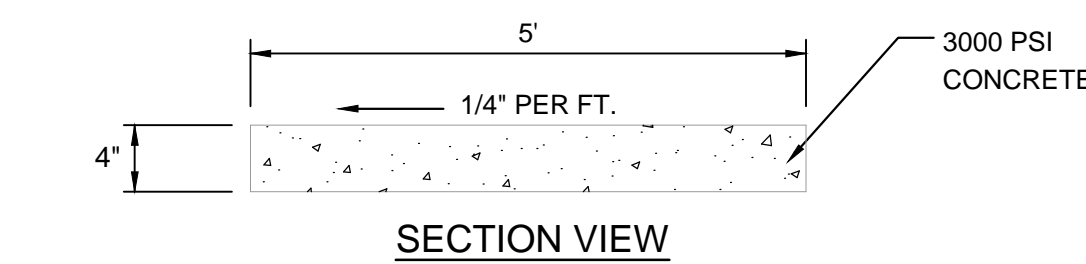
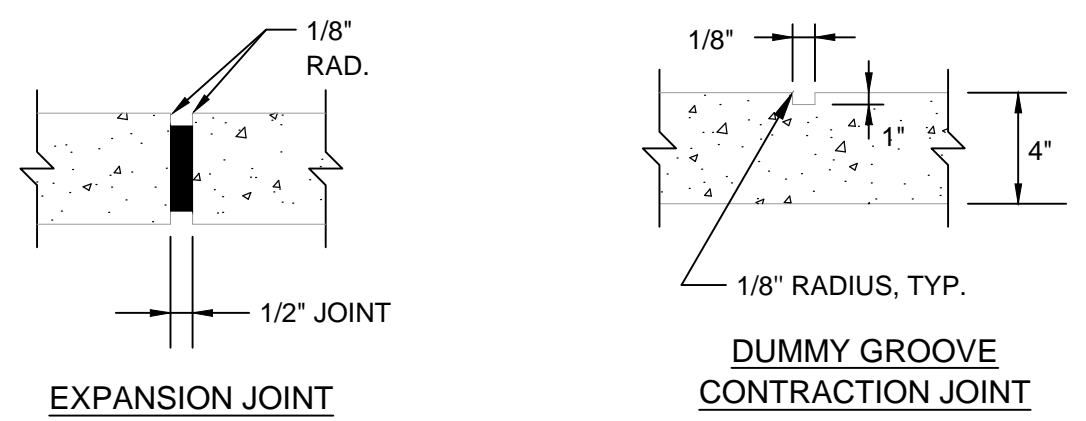
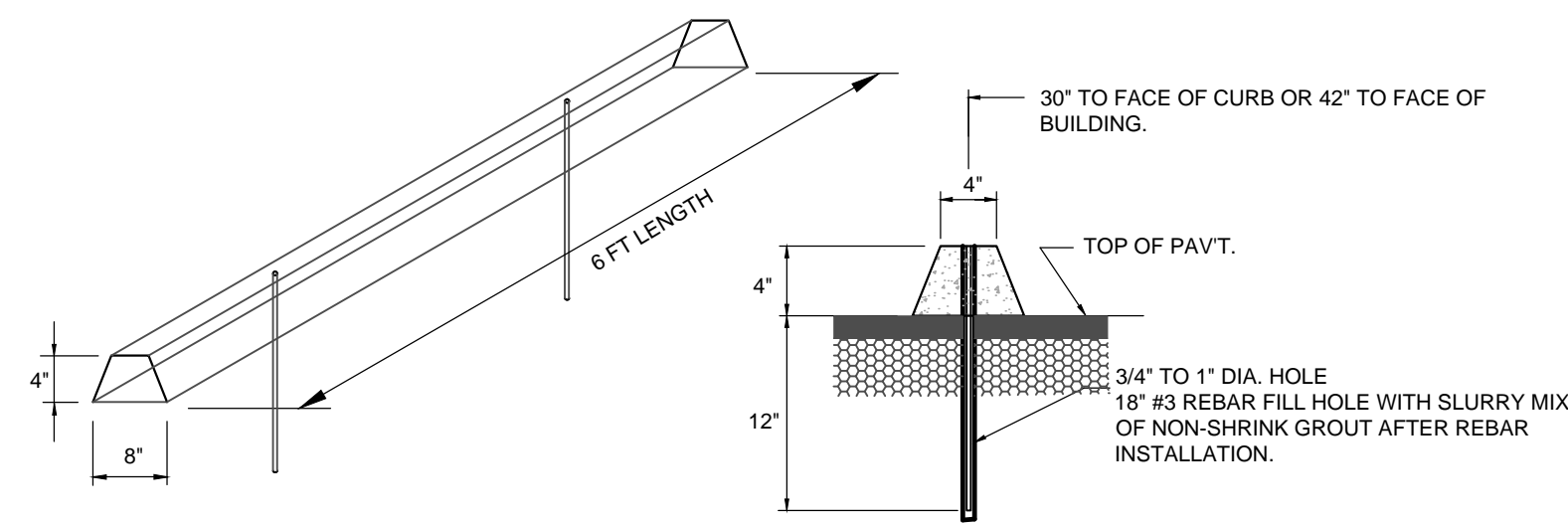


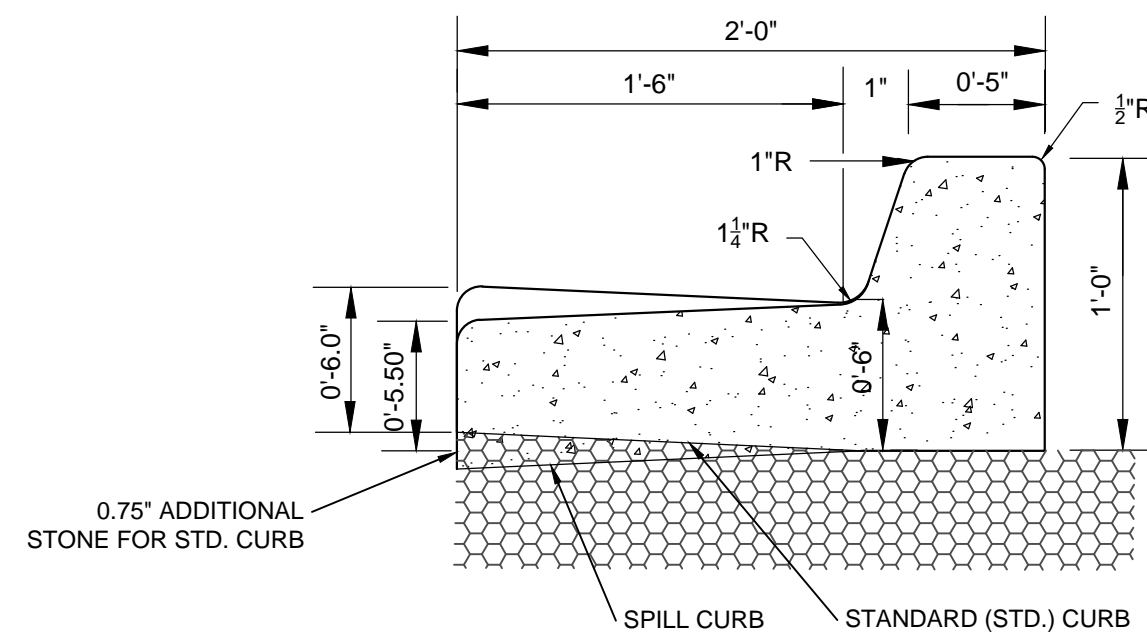
LIGHT DUTY PAVEMENT SECTION
NOT TO SCALE



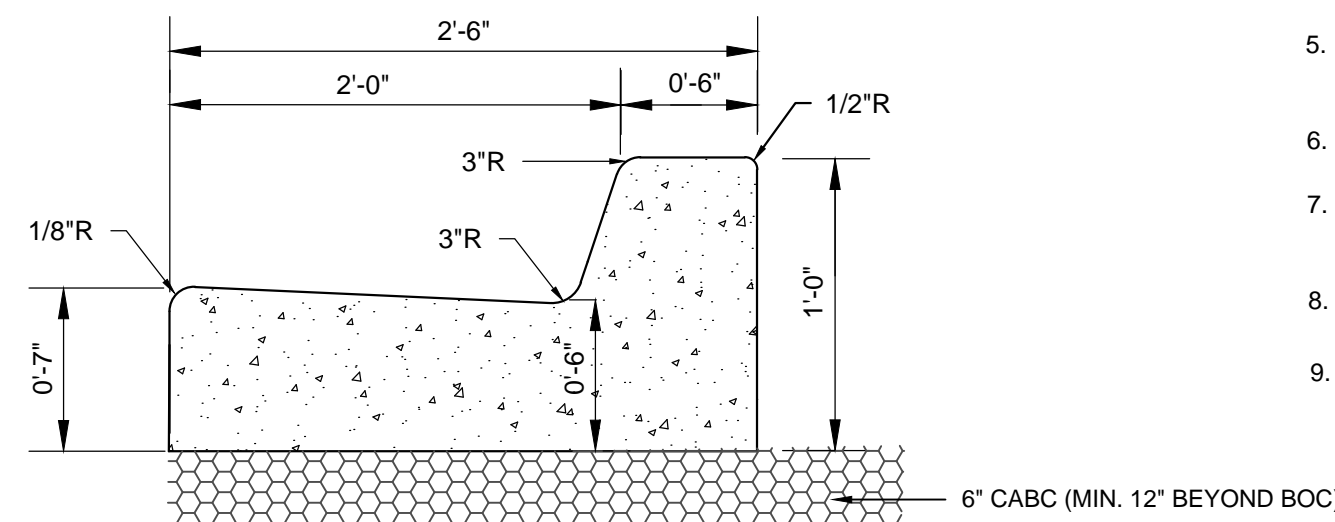
SIDEWALK DETAILS
NOT TO SCALE



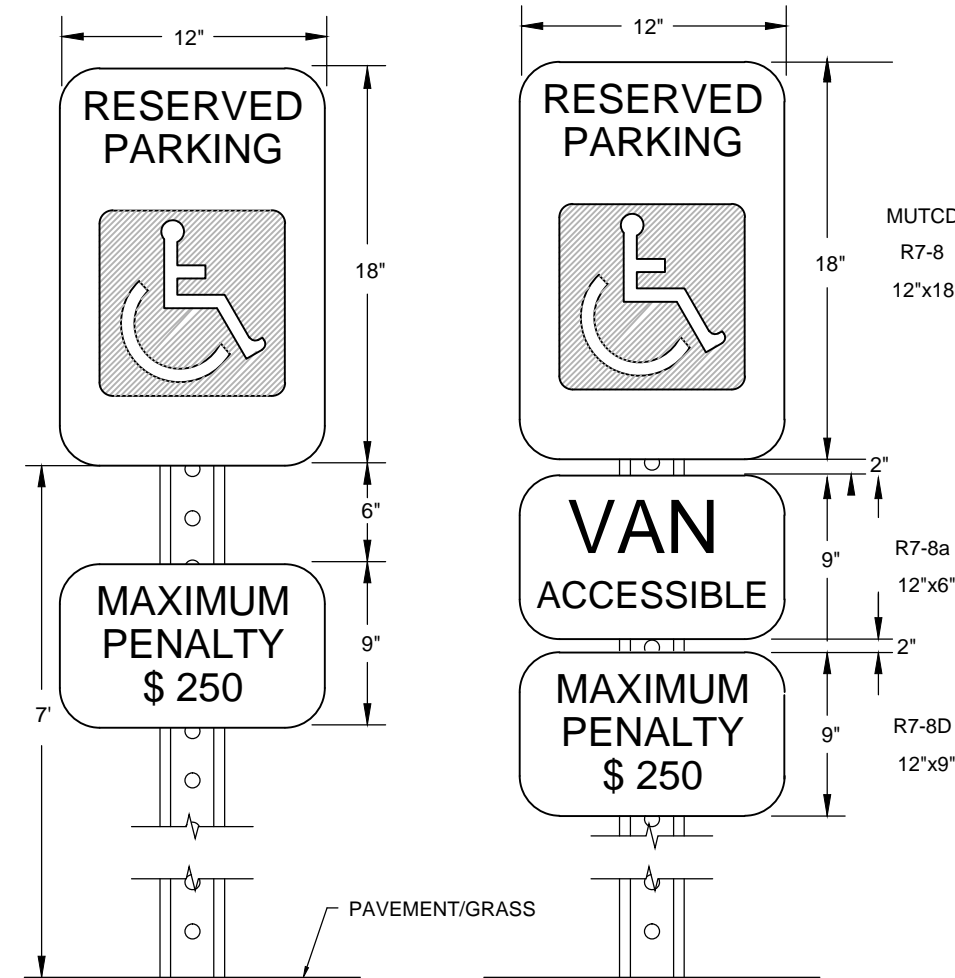
CONCRETE WHEEL STOP DETAIL
NOT TO SCALE



24\"/>



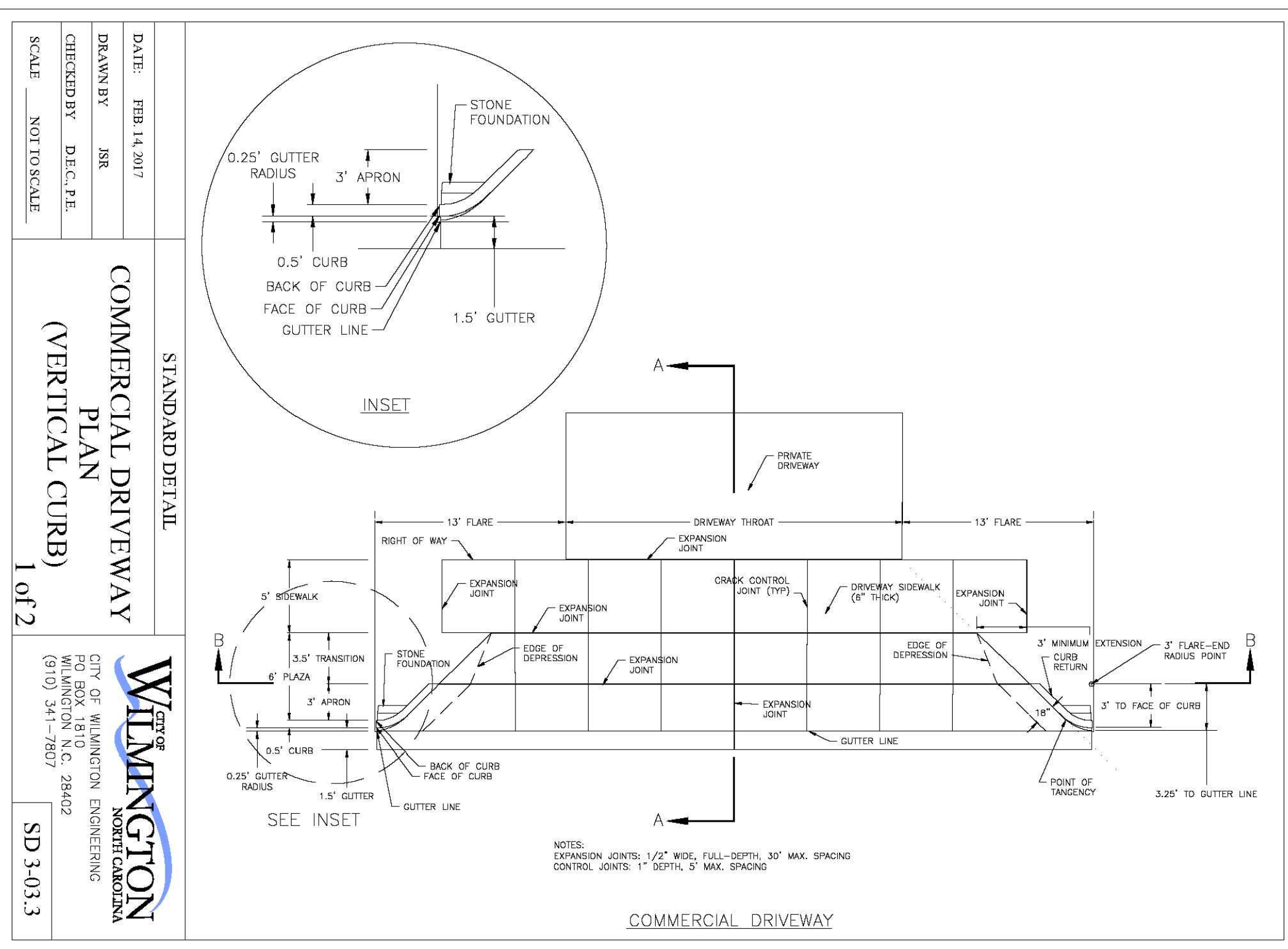
30\"/>



HANDICAP SIGN DETAIL
NOT TO SCALE

- NOTES:**
- METAL POST AND ALL HARDWARE SHALL BE GALVANIZED STEEL, ASTM A307-90.
 - POST HOLES SHALL BE FILLED WITH GRANULAR BACKFILL IN 3-INCH TO 4-INCH LIFTS. THOROUGHLY HAND TAMP EACH LIFT AND CROWN BACKFILL AT TOP TO SHED WATER.
 - CONCRETE FOR FOOTING SHALL BE PORTLAND CEMENT AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
 - SIGNS SHALL BE CONSTRUCTED OF ALUMINUM, TYPE 6061-T6 AND IN CONFORMANCE WITH ASTM STD B-209. THICKNESS SHALL BE 0.80 INCHES.
 - TOP EDGE TREATMENT FILM SHALL BE 3\"/>

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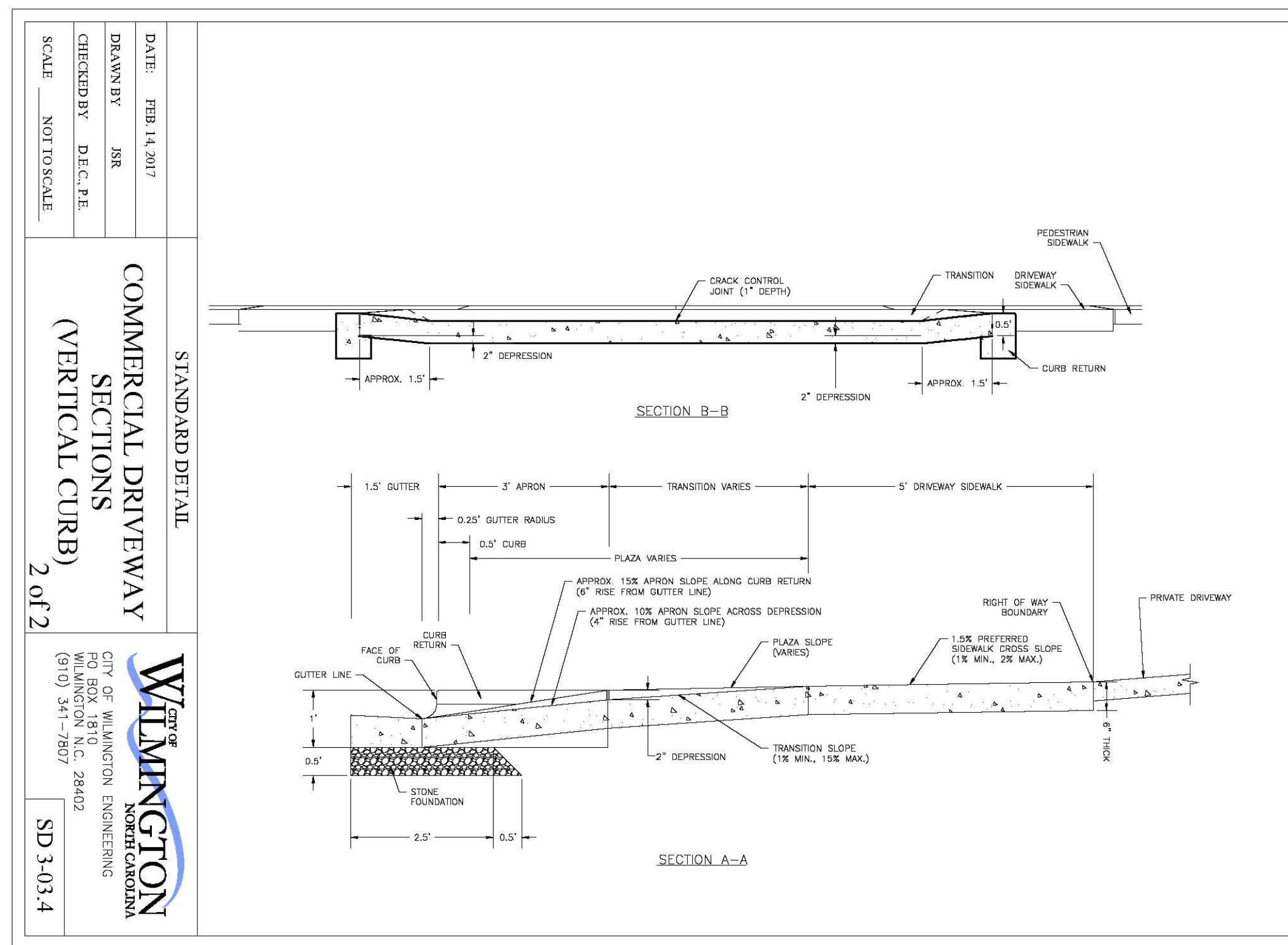


COMMERCIAL DRIVEWAY PLAN (VERTICAL CURB)
1 OF 2

DATE: FEB 14, 2017
DRAWN BY: JRS
CHECKED BY: D.E.C., P.E.
SCALE: NOT TO SCALE

WILMINGTON
CITY OF WILMINGTON ENGINEERING
WILMINGTON, N.C. 28402
(910) 341-7807

SD 3-03.3

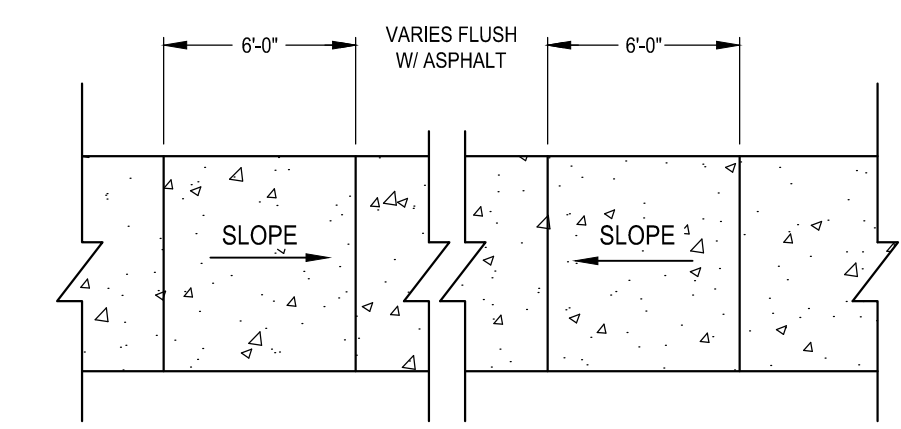


COMMERCIAL DRIVEWAY SECTIONS (VERTICAL CURB)
2 OF 2

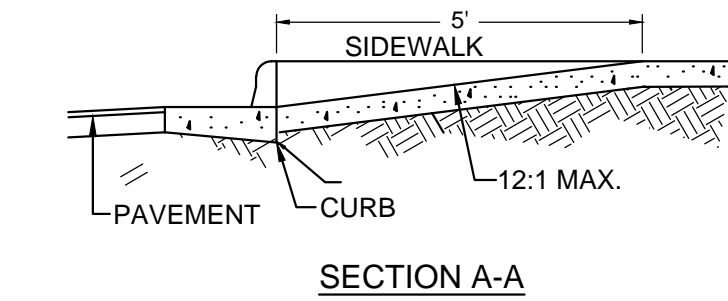
DATE: FEB 14, 2017
DRAWN BY: JRS
CHECKED BY: D.E.C., P.E.
SCALE: NOT TO SCALE

WILMINGTON
CITY OF WILMINGTON ENGINEERING
WILMINGTON, N.C. 28402
(910) 341-7807

SD 3-03.4



HANDICAP RAMP
NOT TO SCALE



WHEEL CHAIR RAMP (DROP CURB)
NOT TO SCALE

REVISIONS:

CLIENT INFORMATION:

PARAMOUNT ENGINEERING
122 Cinema Drive
Wilmington, North Carolina 28403
(910) 791-0707 (O) (910) 791-6760 (F)
NC License #: C-2846

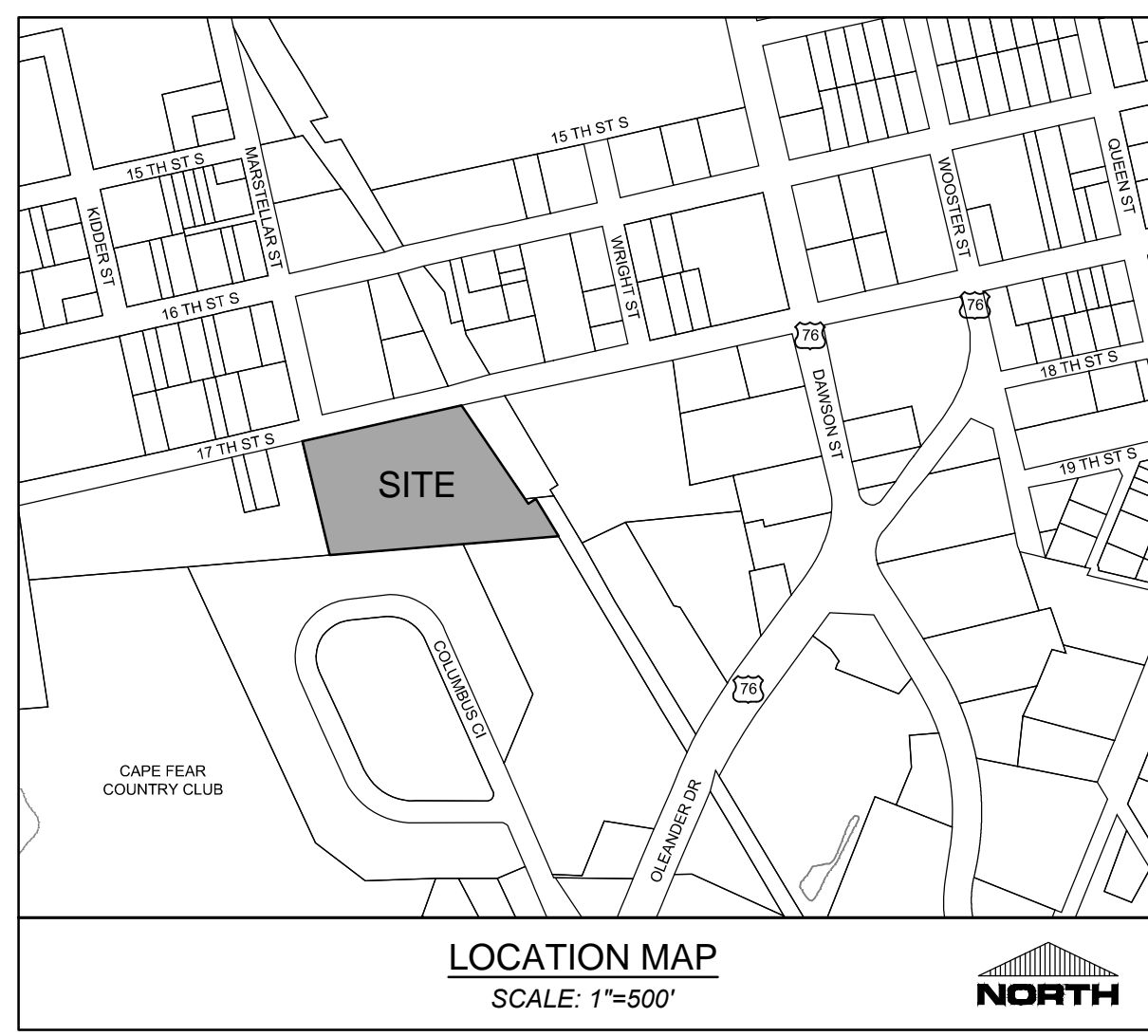
PROJECT STATUS
CONCEPTUAL LAYOUT:
PRELIMINARY LAYOUT:
RELEASED FOR CONST.

DRAWING INFORMATION
DATE: 04/02/2017
JOB: RRB
DESIGNED: RRB
DRAWN: RRB
CHECKED: RRB

SEAL
NORTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
ROBERT P. BALLING
031591
5/11/17

C-5.0

PEI JOB#: 16312.PE



SITE INFORMATION
OWNER INFORMATION: CA NORTH CAROLINA HOLDINGS, INC.
 1113 S. 17TH STREET
 WILMINGTON, NC 28403
 R05415-003-001-000
 BK 5863 PG 014
PROJECT ADDRESS: 1113 S. 17TH STREET
TAX PARCEL IDENTIFICATION #: R05415-003-001-000
RECORDED DEED BOOK: BK 5863 PG 014
CURRENT ZONING: LI - LIGHT INDUSTRIAL
EXISTING USE: UNDEVELOPED
PROPOSED USE: MINI-WAREHOUSING
TOTAL SITE AREA: 3.916 +/- ACRES

FLOOD INFORMATION: THIS PARCEL IS LOCATED IN FLOOD ZONE X, WHICH IS NOT A SPECIAL FLOOD HAZARD AREA AS DETERMINED BY FEMA FLOOD PANEL 3720314800J, DATED APRIL 3, 2006

CAMA LAND USE CLASSIFICATION: URBAN

DIMENSIONAL REQUIREMENTS
 LI - LIGHT INDUSTRIAL
 - MINIMUM LOT AREA: 2 ACRE
 - MINIMUM LOT WIDTH: N/A
 - MAXIMUM LOT COVERAGE: N/A
 - MINIMUM FRONT SETBACK: 50'
 - MINIMUM REAR SETBACK: 0', 35' WHEN ABUTTING RESIDENTIAL USE
 - MINIMUM INTERIOR SIDE SETBACK: 0', 20' WHEN ABUTTING RESIDENTIAL USE
 - MINIMUM CORNER LOT SIDE SETBACK: 50'
 - MAXIMUM BUILDING HEIGHT: 12'

IMPERVIOUS INFORMATION
EXISTING IMPERVIOUS AREA: 0 SF
PROPOSED IMPERVIOUS AREA: 76,260 SF
TOTAL BUILDING (FOOTPRINT): 76,260 SF
ON-SITE PARKING & DRIVEWAYS: 50,550 SF
ON-SITE SIDEWALKS: 500 SF
FUTURE BUILDING EXPANSION: 0 SF
FUTURE IMPERVIOUS: 0 SF
TOTAL PROPOSED IMP. AREA: 127,310 SF (2.92 AC)
PROPOSED PERCENT IMPERVIOUS: 127,310 / 170,628 = 74.6%

BUILDING INFORMATION
CONSTRUCTION TYPE: TYPE IIB
NUMBER OF PROPOSED BUILDINGS: 1
PROPOSED BUILDING SF: 76,253 SF
MAX. HEIGHT: 12'-0"
LOT COVERAGE: 44.8% (PROPOSED)

SITE PARKING
MINIMUM PARKING REQUIRED: 3
 (1 PER 400 SF GFA OFFICE)
MAXIMUM PARKING ALLOWABLE: N/A
TOTAL PARKING PROVIDED: 7 SPACES
HANDICAP PARKING REQUIRED: 1 SPACES
HANDICAP PARKING PROVIDED: 2 SPACES
BICYCLE PARKING REQUIRED: N/A
BICYCLE PARKING PROVIDED: N/A

LANDSCAPE CALCULATIONS
 SEE SHEET L-1.0 LANDSCAPE PLAN FOR CALCULATIONS.

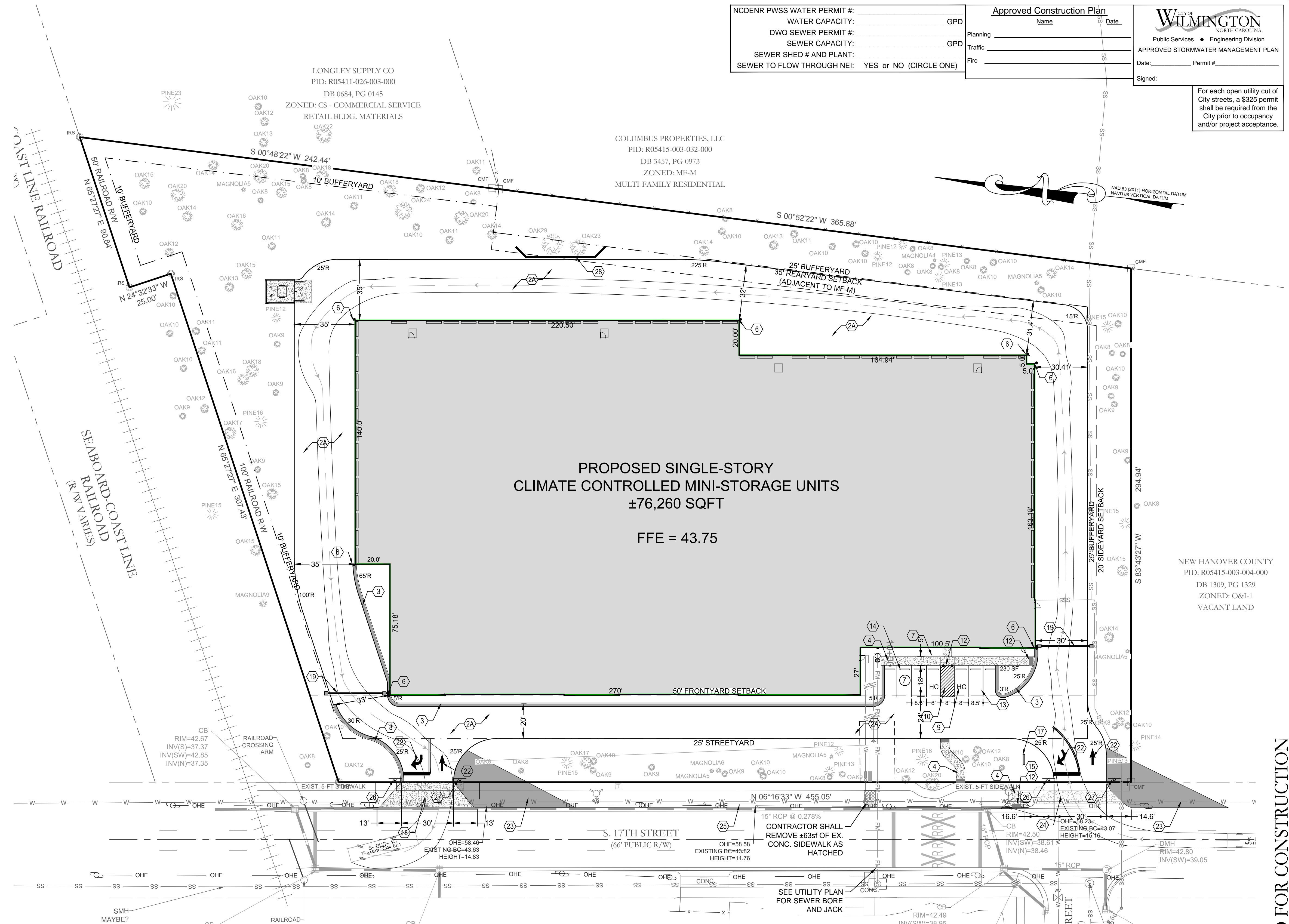
SECURITY GATE NOTE:
 ALL SECURITY GATES SHALL BE SIREN ACTIVATED FOR FIRE DEPARTMENT ACCESS.

GENERAL NOTES:

- ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND/OR NCDOT STANDARDS.
- ALL SIGNS AND PAVEMENT MARKINGS IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD STANDARDS.
- 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 AREAS SHALL BE WHITE.
- ANY BROKEN OR MISSING SIDEWALK PANELS, DRIVEWAY PANELS AND CURBING WILL BE REPLACED.
- THE MINI-WAREHOUSE UNITS SHALL BE USED FOR "DEAD" STORAGE ONLY, NO COMMERCIAL ENTERPRISE CAN BE CONDUCTED FROM AN INDIVIDUAL UNIT OR UNITS.
- THERE SHALL BE NO OUTSIDE STORAGE.
- THERE SHALL BE NO STORAGE OF HAZARDOUS OR FLAMMABLE MATERIALS.

AUTOTURN NOTE:

- AASHTO 2004 (US) S-BUS-40 IS EQUIVALENT WHEEL BASE AS A TYPICAL ENGINE FIRE TRUCK AND GARBAGE TRUCK WITH ARMS OVER THE CAB.



LEGEND:

	SPILL GUTTER
	PROPOSED HEAVY DUTY ASPHALT
	PROPOSED BUILDING
	PROPOSED CONCRETE
	PROPOSED CHAIN LINK FENCE
	PROPOSED TREE LINE
	PROPOSED LIGHT POLE
	PROPOSED STREETYARD BUFFER
	PROPOSED LANDSCAPE ISLAND
	PROPOSED FOUNDATION PLANTINGS
	PROPOSED TREE PROTECTION FENCE

KEY NOTES:

1 CONCRETE PAVING. REFER TO DETAIL C-5.0	9 HANDICAP PARKING SYMBOL. REFER TO DETAIL C-5.0	16 BICYCLE RACK (5 BIKE MIN. PER RACK). CONTRACTOR SHALL SUBMIT SHOP DWG. FOR REVIEW	25 EXISTING DRIVEWAY APRON TO BE DEMOLISHED. CITY OF WILMINGTON DRIVEWAY APRON TO BE DEMOLISHED AND NEW CURBING TO MATCH EXISTING 30" CURB AND GUTTER ALONG 17TH ST.
2A LIGHT DUTY ASPHALT PAVING. REFER TO DETAIL C-5.0	10 HANDICAP ACCESS UNLOADING ZONE. SLOPE 2% MAX. EACH WAY (ADA COMPLIANT) AND STRIPE AS SHOWN.	17 SIGN LOCATION. SIGN FURNISHED AND INSTALLED BY OWNER. REFER TO ARCHITECTURAL PLANS FOR LOCATION	26 PROPOSED SIGNAGE. PROPOSED STOP SIGN (R1-1) AND ONE-WAY SIGN (R6-1R) IN ACCORDANCE WITH MUTCD STANDARDS
2B HEAVY DUTY ASPHALT PAVING. REFER TO DETAIL C-5.0	11 DESIGNATED ACCESSIBLE ROUTE. PROVIDE STRIPING AND SLOPE 5% MAXIMUM IN DIRECTION OF TRAVEL WITH 2% MAXIMUM CROSS SLOPE.	18 CONCRETE DRIVE APRON. CITY STD. DRIVEWAY SD 3-03 REFER TO DETAILS C-5.0	27 PROPOSED SIGNAGE. PROPOSED NO LEFT TURN SIGN (R3-2) IN ACCORDANCE WITH MUTCD STANDARDS
3 STANDARD 24" CURB & GUTTER. REFER TO DETAIL C-5.0	12 DETECTIBLE WARNING MAT. REFER TO DETAIL C-5.0	19 ELECTRONIC SECURITY GATE. REFER TO DETAIL C-5.1	28 PROPOSED RETAINING WALL. PROPOSED SEGMENTAL RETAINING WALL BY OTHERS
4 CONCRETE SIDEWALK. REFER TO DETAIL C-5.0	13 STRIPING. PROVIDE 4' WIDE PARKING LOT STRIPING AS SHOWN. USE HIGHWAY MARKING PAINT - WHITE (2 COATS).	20 4" CHAINLINK FENCE (BLACK). NOT APPLICABLE	29 SIDEWALK NOTE. IF SIDEWALK PANELS DO NOT MEET CITY STD. DRIVEWAY SD 3-03 THEY MUST BE REPLACED.
5 CONCRETE DOOR LANDING. NOT APPLICABLE	14 CONCRETE BUMPER BLOCK. 8" x 4" x 6" LONG CONCRETE. ANCHOR TO PAVING WITH (2) 1"-6" LONG #4 REBAR. REFER TO DETAIL C-5.0	21 6" CHAINLINK FENCE (BLACK) W/ VISION SLATS. NOT APPLICABLE	
6 STEEL BOLLARD. REFER TO DETAIL C-5.0	15 HANDICAP RAMP. REFER TO DETAIL C-5.0	22 DIRECTIONAL ARROW STRIPING. PROVIDE DIRECTION ARROW STRIPING AS SHOWN. USE HIGHWAY MARKING PAINT - WHITE (2 COATS). REFER TO DETAIL C-5.0	
7 HANDICAP PARKING SIGN. REFER TO DETAIL C-5.0		23 SIGHT DISTANCE TRIANGLE. CITY OF WILMINGTON 20'X70' SIGHT TRIANGLE	
8 CONCRETE SIDEWALK DETAIL. 6.5" EXPOSED FACE TO ASPHALT. SEE DETAIL C-5.0		24 EXISTING DRIVEWAY APRON TO REMAIN. CITY OF WILMINGTON DRIVEWAY APRON TO REMAIN	

NCDENR PWSS WATER PERMIT #: _____ GPD
 WATER CAPACITY: _____ GPD
 DWQ SEWER PERMIT #: _____ GPD
 SEWER CAPACITY: _____ GPD
 SEWER SHED # AND PLANT: _____
 SEWER TO FLOW THROUGH NEI: YES or NO (CIRCLE ONE)

Approved Construction Plan
 Name: _____ Date: _____
 Planning: _____
 Traffic: _____
 Fire: _____

Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT 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.

MAD 83 (2011) HORIZONTAL DATUM
 NAVD 88 VERTICAL DATUM

REVISIONS:

CLIENT INFORMATION:
 THE VAULT ON 17th, LLC
 1051 MILITARY CUTOFF RD., STE. 200
 WILMINGTON, NC 28405

PARAMOUNT ENGINEERING
 122 Cinema Drive
 Wilmington, North Carolina 28403
 (910) 791-0707 (O) (910) 791-6760 (F)
 NC License #: C-2846

SITE PLAN
 THE VAULT ON 17TH
 1113 S. 17TH STREET
 CITY OF WILMINGTON
 NORTH CAROLINA

PROJECT STATUS:
 CONCEPT LAYOUT:
 PRELIMINARY LAYOUT:
 RELEASED FOR CONSTRUCTION

DRAWING INFORMATION:
 DATE: 04/03/2017
 TIME: 1:00 PM
 DRAWN: RPB
 CHECKED: RPB

SEAL:
 NORTH CAROLINA
 PROFESSIONAL ENGINEER
 SEAL
 051591
 ROBERT P. BALLANTYNE

5/11/17

C-2.0
 PEI JOB#: 16312.PE

811
 Know what's below.
 Call before you dig.

GRAPHIC SCALE
 0 15 30 60 90 120
 SCALE: 1"=30'

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION