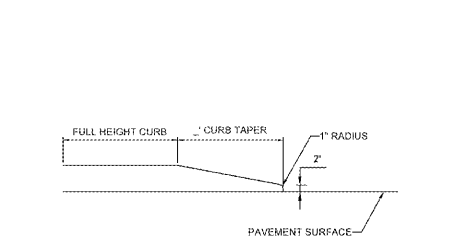
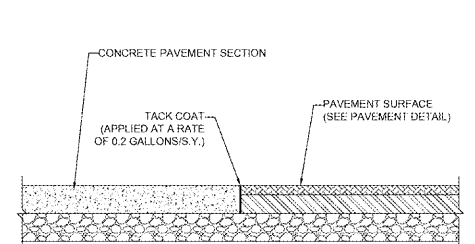


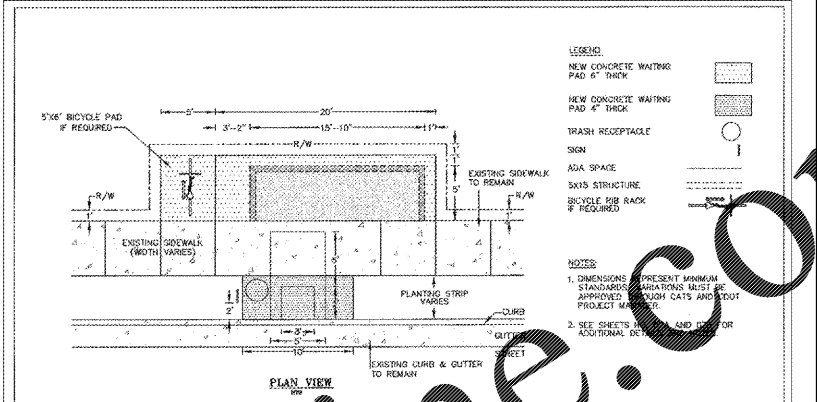
- NOTES:**
1. ALL DETECTABLE WARNING DEVICES USED IN NEW CONSTRUCTION SHALL BE OF A RIGID PRECAST OR EMBEDDED PRODUCT APPROVED BY THE CITY ENGINEER. RETROFIT MATS WILL ONLY BE ALLOWED ON EXISTING RAMPS WITH PRIOR APPROVAL OF THE CITY ENGINEER FOR MATERIAL TYPE AND INSTALLATION (IE, RESURFACING).
 2. RAMP AND DETECTABLE WARNING AREA SHALL BE A MINIMUM OF 4 FEET IN WIDTH, BUT NOT LESS THAN THE WIDTH OF SIDEWALK LEADING TO BACK OF RAMP.
 3. DETECTABLE WARNING SURFACES SHALL EXTEND 2.0 FT MINIMUM IN THE DIRECTION OF PEDESTRIAN TRAVEL.
 4. DETECTABLE WARNING AREA CAN BE PLACED SQUARE WHERE USED IN A CURB RADIUS.
 5. THE ROWS OF TRUNCATED DOMES IN DETECTABLE WARNING SURFACES SHOULD BE ALIGNED PERPENDICULAR TO THE GRADE BREAK BETWEEN THE RAMP RUN AND THE STREET, WHERE DETECTABLE WARNING SURFACES ARE PROVIDED ON A SURFACE WITH A SLOPE THAT IS LESS THAN 5 PERCENT DOME ORIENTATION IS LESS CRITICAL.
 6. DETECTABLE WARNING AREA SHALL CONTRAST VISUALLY WITH ADJACENT GUTTER, STREET OR HIGHWAY, OR PEDESTRIAN ACCESS ROUTE SURFACE, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT, ON THE TRYON STREET WALL, FRENCH GRAY IS TO BE USED.
 7. IF PATERS ARE TO BE USED, PATERS SHALL BE MINIMUM 8000 PSI CONCRETE WITH A 2-INCH MINIMUM THICKNESS, SET ON A THIN-SET MORTAR ON TOP OF 4" THICK 3600 PSI CONCRETE BASE.
 8. MATS ARE TO BE RIGID WITH TURNED-DOWN EDGES EMBEDDED IN CONCRETE TO ELIMINATE TRIP HAZARD.
 9. DIMENSIONS PER NCDOT 848.05



CURB TAPER DETAIL
NOT TO SCALE



CONCRETE-TO-ASPHALT DETAIL
NOT TO SCALE



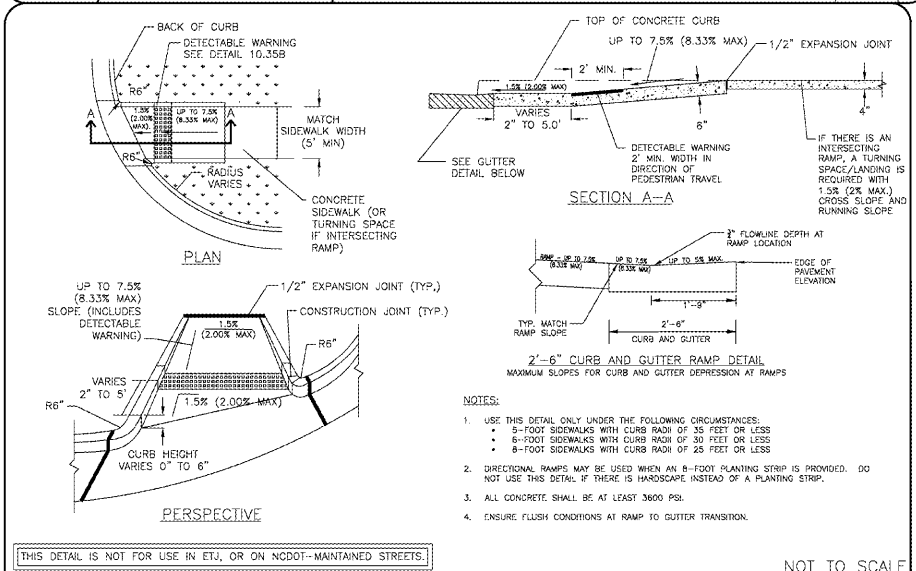
WAITING PAD WITH 5'X15' BOX SHELTER WITH PLANTING STRIP
APPROVED DATE: 8/0.04/1

BOHLER ENGINEERING & PLLC
1927 S. TRYON STREET, SUITE 310
CHARLOTTE, NC 28203
Phone: (980) 272-3400
Fax: (980) 272-3401
NC@BohlerEng.com

REV	DATE	COMMENT	BY
1	10/11/17	PER CITY OF CLT & NCDOT COMMENTS	SRF
2	11/28/17	PER CITY OF CLT & NCDOT COMMENTS	SRF

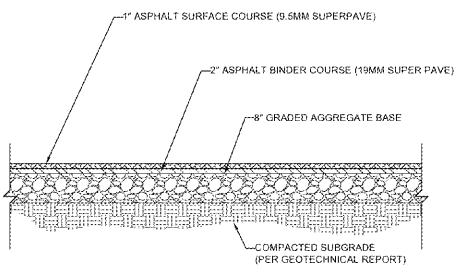
CITY OF CHARLOTTE LAND DEVELOPMENT STANDARDS
INCLUDES CHARLOTTE ETJ

TRUNCATED DOMES PLAN AND CROSS-SECTION



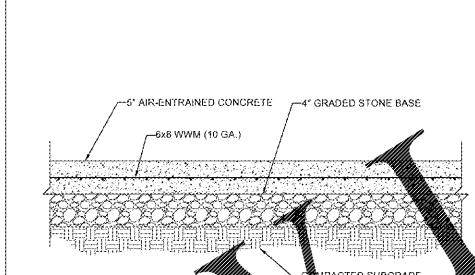
- NOTES:**
1. USE THIS DETAIL ONLY UNDER THE FOLLOWING CIRCUMSTANCES:
 - 8-FOOT SIDEWALKS WITH CURB RADI OF 35 FEET OR LESS
 - 6-FOOT SIDEWALKS WITH CURB RADI OF 30 FEET OR LESS
 - 8-FOOT SIDEWALKS WITH CURB RADI OF 25 FEET OR LESS
 2. DIRECTIONAL RAMPS MAY BE USED WHEN AN 8-FOOT PLANTING STRIP IS PROVIDED. DO NOT USE THIS DETAIL IF THERE IS HARDSCAPE INSTEAD OF A PLANTING STRIP.
 3. ALL CONCRETE SHALL BE AT LEAST 3600 PSI.
 4. ENSURE FLUSH CONDITIONS AT RAMP TO GUTTER TRANSITION.

NOT TO SCALE



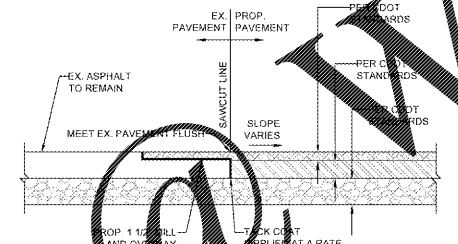
- NOTE:**
1. SECTION SHOWN PER NOVA GEOTECHNICAL ENGINEERING EVALUATION ENTITLED, "E INDEPENDENCE CHARLOTTE, NORTH CAROLINA," PROJECT NUMBER 10705-2017014, DATED 04/16/17. FINAL DESIGN TO BE PROVIDED ONCE FINAL CBR'S ARE AVAILABLE ON COMPACTED SUB-BASE. SECTION TO BE CONFIRMED WITH GEOTECHNICAL ENGINEER AND MODIFIED AS NEEDED PRIOR TO STONE PLACEMENT.

HEAVY DUTY ASPHALT PAVEMENT SECTION
NOT TO SCALE

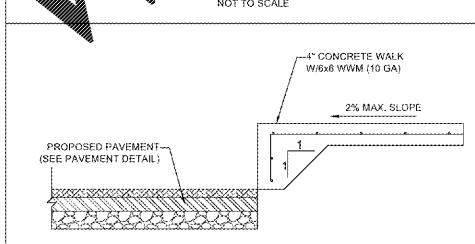


- NOTE:**
1. SECTION SHOWN PER NOVA GEOTECHNICAL ENGINEERING EVALUATION ENTITLED, "E INDEPENDENCE CHARLOTTE, NORTH CAROLINA," PROJECT NUMBER 10705-2017014, DATED 04/16/17. FINAL DESIGN TO BE PROVIDED ONCE FINAL CBR'S ARE AVAILABLE ON COMPACTED SUB-BASE. SECTION TO BE CONFIRMED WITH GEOTECHNICAL ENGINEER AND MODIFIED AS NEEDED PRIOR TO STONE PLACEMENT.

HEAVY DUTY CONCRETE SECTION
NOT TO SCALE



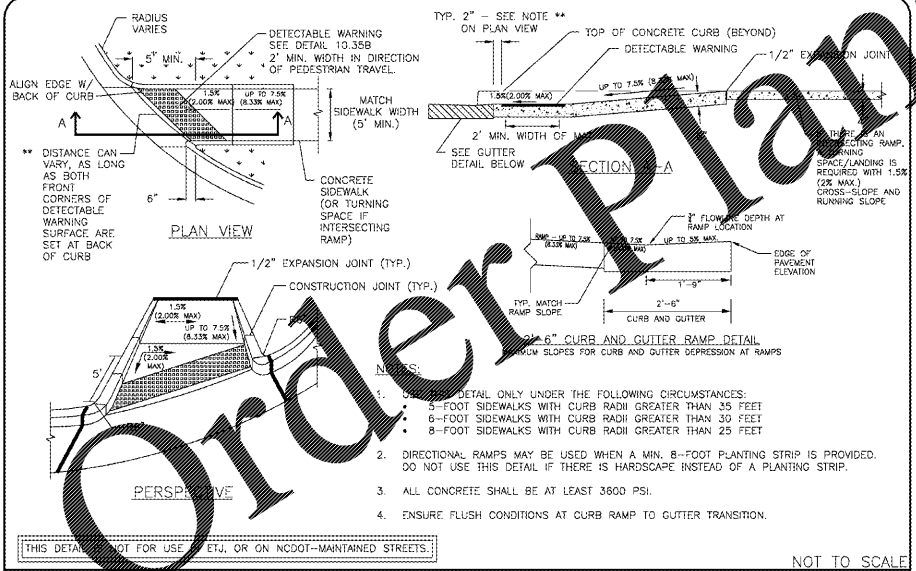
PAVEMENT WIDENING DETAIL
NOT TO SCALE



MONOLITHIC SIDEWALK DETAIL
NOT TO SCALE

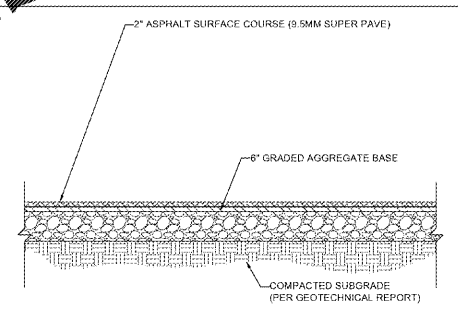
CITY OF CHARLOTTE LAND DEVELOPMENT STANDARDS

DIRECTIONAL CURB RAMP WITH SMALL/MEDIUM CURB RADI



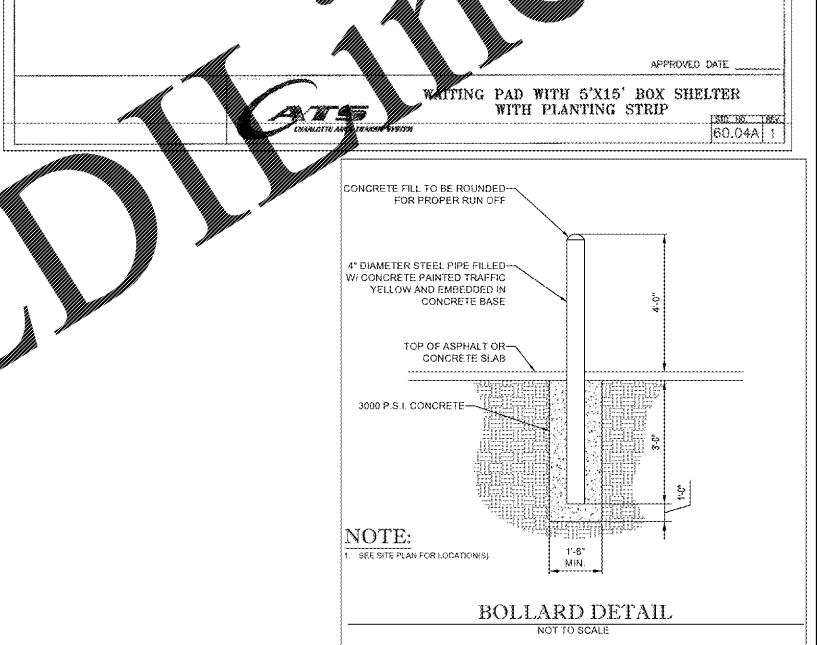
- NOTES:**
1. USE THIS DETAIL ONLY UNDER THE FOLLOWING CIRCUMSTANCES:
 - 3-FOOT SIDEWALKS WITH CURB RADI GREATER THAN 35 FEET
 - 6-FOOT SIDEWALKS WITH CURB RADI GREATER THAN 30 FEET
 - 8-FOOT SIDEWALKS WITH CURB RADI GREATER THAN 25 FEET
 2. DIRECTIONAL RAMPS MAY BE USED WHEN A MIN. 8-FOOT PLANTING STRIP IS PROVIDED. DO NOT USE THIS DETAIL IF THERE IS HARDSCAPE INSTEAD OF A PLANTING STRIP.
 3. ALL CONCRETE SHALL BE AT LEAST 3600 PSI.
 4. ENSURE FLUSH CONDITIONS AT CURB RAMP TO GUTTER TRANSITION.

NOT TO SCALE

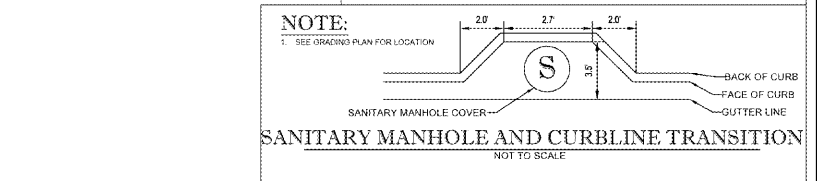


- NOTE:**
1. SECTION SHOWN PER NOVA GEOTECHNICAL ENGINEERING EVALUATION ENTITLED, "E INDEPENDENCE CHARLOTTE, NORTH CAROLINA," PROJECT NUMBER 10705-2017014, DATED 04/16/17. FINAL DESIGN TO BE PROVIDED ONCE FINAL CBR'S ARE AVAILABLE ON COMPACTED SUB-BASE. SECTION TO BE CONFIRMED WITH GEOTECHNICAL ENGINEER AND MODIFIED AS NEEDED PRIOR TO STONE PLACEMENT.

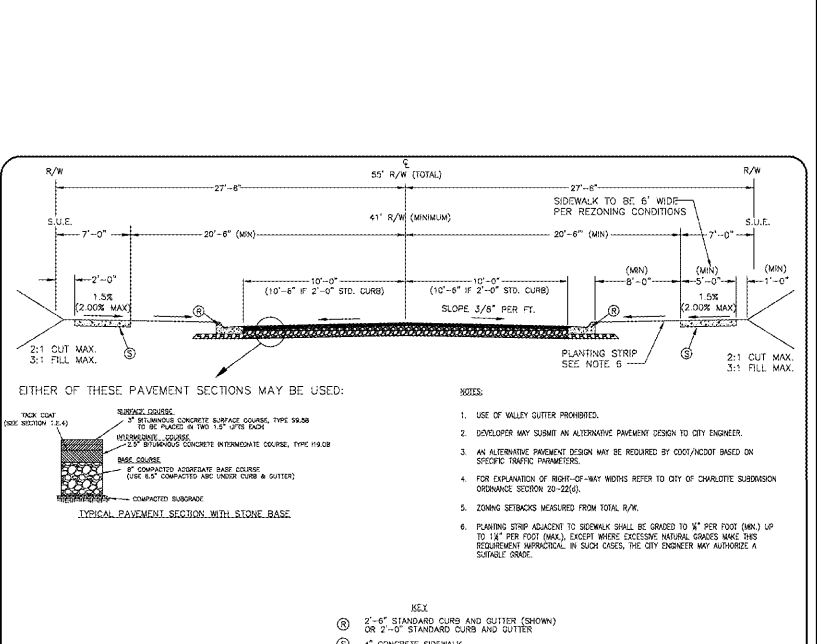
STANDARD DUTY ASPHALT PAVEMENT SECTION
NOT TO SCALE



BOLLARD DETAIL
NOT TO SCALE



SANITARY MANHOLE AND CURBLINE TRANSITION
NOT TO SCALE



LOCAL OFFICE/COMMERCIAL NARROW STREET TYPICAL SECTION MODIFIED
NOT TO SCALE

CITY OF CHARLOTTE LAND DEVELOPMENT STANDARDS

DIRECTIONAL CURB RAMP WITH LARGE CURB RADIUS



DIRECTIONAL CURB RAMP WITH LARGE CURB RADIUS
NOT TO SCALE

811
KNOW WHAT'S BELOW
ALWAYS CALL 811
BEFORE YOU DIG
It's fast. It's free. It's the law.

PROJECT No. NCC 182 120
DRAWN BY: SRF/ALS
CHECKED BY: EWR
DATE: 8/9/17
SCALE: AS NOTED
CAD ID: SDP

CONNECTION POINT
FOR
EASTSIDE CONNECTIONS JV, LLC
LOCATION OF SITE:
MONROE RD & LONG AVE
CHARLOTTE, NC 28212
MECKLENBURG COUNTY

BOHLER ENGINEERING & PLLC
1927 S. TRYON STREET, SUITE 310
CHARLOTTE, NC 28203
Phone: (980) 272-3400
Fax: (980) 272-3401
NC@BohlerEng.com

REGISTERED PROFESSIONAL ENGINEER
No. 31128
MOR 11/28/17

SHEET TITLE:
SITE DETAILS
SHEET NUMBER:
C-9.1