1. Dimensions represent minimum standards, variations must be approved through CATS and CDOT project manager.

2. Width of existing sidewalk plus planting strip width must equal 8' wide. If width is less than 8', existing sidewalk must be replaced with wider sidewalk to obtain 8' width.

3. See sheet no. 60.07A, 60.07B, and 60.07C for additional details and notes.
NOTES
1. DIMENSIONS REPRESENT MINIMUM STANDARDS. VARIATIONS MUST BE APPROVED THROUGH CATS AND CDOT PROJECT MANAGER.

2. IN AREAS OF RESTRICTED R/W, SIDEWALK AND PAD MAY BE REDUCED TO A MINIMUM OF 8'.
   THE 6" CONCRETE SLAB AND THE EXISTING SIDEWALK ADJACENT TO NEW BOARDING AND ALIGHTING AREA MUST MATCH SLOPE (1.5%, MAX. 2%) OF BOARDING AND ALIGHTING AREA.

3. SEE SHEET NO. 60.07A, 60.07B AND 60.07C FOR ADDITIONAL DETAILS AND NOTES.

LEGEND
- BOARDING AND ALIGHTING AREA
- BUS SIGN
- EXISTING CONCRETE
- CONCRETE SLAB 6" THICK
- TRASH RECEPTACLE

REVISIONS

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BUS STOP ONLY
WITHOUT PLANTING STRIP
NOTES:

1. DIMENSIONS REPRESENT MINIMUM STANDARDS, VARIATIONS MUST BE APPROVED THROUGH CATS AND CDOT PROJECT MANAGER.

2. SEE SHEETS NO. 60.07A, 60.07B AND 60.07C FOR ADDITIONAL DETAILS AND NOTES.

3. WIDTH OF SIDEWALK PLUS PLANTING STRIP MUST EQUAL 8’ MIN. TO PROVIDE BOARDING AND ALIGHTING AREA.

4. RAMP MAY BE INSTALLED ON EITHER SIDE OF THE BUS PAD.

5. RECEIVING RAMP ACROSS THE STREET IS PREFERRED BUT NOT REQUIRED.

LEGEND

- BOARDING AND ALIGHTING AREA
- BUS SIGN
- CONCRETE SLAB AND SIDEWALK 4” THICK
- NEW CONCRETE WCR 6” THICK
- TRASH RECEPTACLE

R/W

PLAN VIEW

NEW CONCRETE WCR 6” THICK

EXISTING CURB & GUTTER TO REMAIN

REPLACE EXISTING CURB & GUTTER FOR WCR

TRUNCATED DOMES

CURB

GUTTER

STREET

PLANTING STRIP

SIDEWALK WIDTH VARIES (5’ MIN)

SIDEWALK, WIDTH VARIES (5’ MIN)

12:1 MAX

2% MAX

12:1 MAX

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APPROVED DATE ________

BUS STOP WITH RAMP AND PLANTING STRIP WITHOUT SIDEWALK

CHARLOTTE AREA TRANSIT SYSTEM

60.01C
NOTES:

1. Dimensions represent minimum standards. Variations must be approved through CATS and CDOT Project Manager.

2. Width of sidewalk plus planting strip width must equal 8' wide. If width is less than 8', sidewalk must be replaced with wider sidewalk to obtain 8' width.

3. See sheet no. 60.07A, 60.07B and 60.07C for additional details and notes.
NOTES

1. DIMENSIONS REPRESENT MINIMUM STANDARDS. VARIATIONS MUST BE APPROVED THROUGH CATS AND CDOT PROJECT MANAGER.

2. WIDTH OF SIDEWALK PLUS PLANTING STRIP WIDTH MUST EQUAL 8' WIDE. IF WIDTH IS LESS THAN 8' SIDEWALK MUST BE REPLACED WITH WIDER SIDEWALK TO OBTAIN 8' WIDTH.

3. SEE SHEET NO. 60.07A, 60.07B AND 60.07C FOR ADDITIONAL DETAILS AND NOTES.
DESCRIPTION

REVISIONS

DATE

NO.

60.03A

APPROVED DATE

STD. NO.

REV.

CURB

GUTTER

STREET

4" THICK

SIDEWALK

5' WIDE

VARIETIES

1'

PLANTING STRIP

R=2'

BUS STOP WITH 5' X 10'

SHELTER AND PLANTING STRIP

NOTES

1. DIMENSIONS REPRESENT MINIMUM STANDARDS. VARIATIONS MUST BE APPROVED THROUGH CATS AND CDOT PROJECT MANAGER.

2. WIDTH OF EXISTING SIDEWALK MUST PLUS PLANTING STRIP MUST EQUAL 8' WIDE. IF WIDTH IS LESS THAN 8', EXISTING SIDEWALK MUST BE REPLACED WITH WIDER SIDEWALK TO OBTAIN 8' WIDTH.

3. SEE SHEET NO. 60.07A, 60.07B AND 60.07C FOR ADDITIONAL DETAILS AND NOTES.

LEGEND

BOARDING AND ALIGHTING AREA

BIKE RACK

BUS SIGN

CONCRETE SLAB

4" THICK

CONCRETE SLAB

6" THICK

SHELTER

TRASH RECEPTACLE

RECEPTACLE

TRASH

ALIGHTING AREA

BOARDING AND"

NOTES

SHELTER OVERHANG

R/W

1' TYPICAL

PLANTING STRIP VARIES

CURB

GUTTER

STREET

3' 2' 5'

GROUND SPACE

R/W

1'

18'-3"

3'-6"

3'

10'-9"

CONCRETE 6" THICK

BUS SHELTER WITH BENCH

BENCH

R=2'

3'-6"

3'

1'

R/W

1'

5' WIDE

SIDEWALK

4" THICK

1'

1'

6-2"
BUS STOP WITH 5’ x 10’ SHELTER AND PLANTING STRIP

NOTES
1. DIMENSIONS REPRESENT MINIMUM STANDARDS. VARIATIONS MUST BE APPROVED THROUGH CATS AND CDOT PROJECT MANAGER.
2. WIDTH OF EXISTING SIDEWALK PLUS PLANTING STRIP MUST EQUAL 8’ WIDE. IF WIDTH IS LESS THAN 8’, EXISTING SIDEWALK MUST BE REPLACED WITH WIDER SIDEWALK TO OBTAIN 8’ WIDTH.
3. SEE SHEET NO. 60.07A, 60.07B AND 60.07C FOR ADDITIONAL DETAILS AND NOTES.
BUS STOP WITH 5' x 10' SHELTER
WITHOUT PLANTING STRIP

NOTES
1. DIMENSIONS REPRESENT MINIMUM STANDARDS. VARIATIONS MUST BE APPROVED THROUGH CATS AND CDOT PROJECT MANAGER.
2. WIDTH OF SIDEWALK PLUS PLANTING STRIP WIDTH MUST EQUAL 8' WIDE. IF WIDTH IS LESS THAN 8', EXISTING SIDEWALK MUST BE REPLACED WITH WIDER SIDEWALK TO OBTAIN 8' WIDTH.
3. SEE SHEET NO. 60.07A, 60.07B AND 60.07C FOR ADDITIONAL DETAILS AND NOTES.
BUS STOP WITH 5' X 10' SHELTER
WITH PLANTING STRIP

NOTES

1. DIMENSIONS REPRESENT MINIMUM STANDARDS. VARIATIONS MUST BE APPROVED THROUGH CATS AND CDOT PROJECT MANAGER.

2. WIDTH OF EXISTING SIDEWALK PLUS PLANTING STRIP MUST EQUAL 8' WIDE. IF WIDTH IS LESS THAN 8', EXISTING SIDEWALK MUST BE REPLACED WITH WIDER SIDEWALK TO OBTAIN 8' WIDTH.

3. SEE SHEET NO. 60.07A, 60.07B AND 60.07C FOR ADDITIONAL DETAILS AND NOTES.

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LEGEND

- BOARDING AND ALIGHTING AREA
- BIKE RACK
- BUS SIGN
- CONCRETE SLAB 4" THICK
- CONCRETE SLAB 6" THICK
- SHELTER
- TRASH RECEPTACLE

PLAN VIEW

EXISTING CURB & GUTTER TO REMAIN

EXISTING SIDEWALK (WIDTH VARIES)

CONCRETE 4" THICK

GROUND SPACE

PLANTING STRIP

MIN. 5'

R/W

STREET

R/W

GUTTER

CURB

PLAN VIEW

NTS
**NOTES**

1. **DIMENSIONS REPRESENT MINIMUM STANDARDS, VARIATIONS MUST BE APPROVED THROUGH CATS AND CDOT PROJECT MANAGER.**

2. **MINIMUM PLANTING STRIP WIDTH REQUIRED IS 12'. CLEAR RECOVERY ZONES MAY REQUIRE GREATER PLANTING STRIP WIDTHS ON NCDOT MAINTAINED STREETS.**

3. SEE SHEET NO. 60.07A, 60.07B AND 60.07C FOR ADDITIONAL DETAILS AND NOTES.

---

**LEGEND**

- **BOARDING AND ALIGHTING AREA**
  - Bike Rack
  - Bus Sign
  - Concrete Slab 4" Thick
  - Concrete Slab 6" Thick
  - Shelter
  - Trash Receptacle

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**DESCRIPTION**

- **REVISIONS**

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**APPROVED DATE**

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**CATS**

**CHARLOTTE AREA TRANSIT SYSTEM**

**BUS STOP WITH 5' X 10' SHELTER AND PLANTING STRIP**

---

**STD. NO.**

**REV.**

---

**BUS STOP WITH 5' X 10' SHELTER AND PLANTING STRIP**

---

**60.03E**
DESCRIPTION

REVISIONS

DATE

NO.

60.04A

APPROVED DATE

STD. NO.

REV.

8'

15'-10"

5' WIDE

VARIES

4" THICK

SIDEWALK

PLANTING STRIP

R=2'

BUS STOP WITH 5' X 15' SHELTER

AND PLANTING STRIP

LEGEND

BOARDING AND
ALIGHTING AREA

BIKE RACK

BUS SIGN

CONCRETE SLAB
4" THICK

CONCRETE SLAB
6" THICK

SHELTER

TRASH
RECEPTACLE

NOTES

1. DIMENSIONS REPRESENT MINIMUM
STANDARDS. VARIATIONS MUST BE
APPROVED THROUGH CATS AND
CDOT PROJECT MANAGER.

2. WIDTH OF SIDEWALK PLUS PLANTING
STRIP WIDTH MUST EQUAL 8' WIDE.
IF WIDTH IS LESS THAN 8', SIDEWALK
MUST BE REPLACED WITH WIDER
SIDEWALK TO OBTAIN 8' WIDTH.

SEE SHEET NO. 60.07A, 60.07B
3. AND 60.07C FOR ADDITIONAL
DETAILS AND NOTES.

BUS STOP WITH 5' X 15' SHELTER

AND PLANTING STRIP

NOTES

1. DIMENSIONS REPRESENT MINIMUM
STANDARDS. VARIATIONS MUST BE
APPROVED THROUGH CATS AND
CDOT PROJECT MANAGER.

2. WIDTH OF SIDEWALK PLUS PLANTING
STRIP WIDTH MUST EQUAL 8' WIDE.
IF WIDTH IS LESS THAN 8', SIDEWALK
MUST BE REPLACED WITH WIDER
SIDEWALK TO OBTAIN 8' WIDTH.

SEE SHEET NO. 60.07A, 60.07B
3. AND 60.07C FOR ADDITIONAL
DETAILS AND NOTES.

APPROVED DATE

CATS
CHARLOTTE AREA TRANSIT SYSTEM

60.04A
BUS STOP WITH 5' X 15' SHELTER WITHOUT PLANTING STRIP

NOTES:
1. DIMENSIONS REPRESENT MINIMUM STANDARDS. VARIATIONS MUST BE APPROVED THROUGH CATS AND CDOT PROJECT MANAGER.
2. BOARDING AND ALIGHTING AREA MUST NOT OVERLAP GROUND SPACE BY 2'0' MAX. GROUND SPACE TO MATCH SLOPE OF BOARDING AND ALIGHTING AREA (1.5%, MAX. 2%).
3. SEE SHEET NO. 60.07A, 60.07B AND 60.07C FOR ADDITIONAL DETAILS AND NOTES.
NOTES

1. DIMENSIONS REPRESENT MINIMUM STANDARDS. VARIATIONS MUST BE APPROVED THROUGH CATS AND CDOT PROJECT MANAGER.

2. WIDTH OF EXISTING SIDEWALK MUST PLUS PLANTING STRIP MUST EQUAL 8' WIDE. IF WIDTH IS LESS THAN 8', EXISTING SIDEWALK MUST BE REPLACED WITH WIDER SIDEWALK TO OBTAIN 8' WIDTH.

3. SEE SHEET NO. 60.07A, 60.07B AND 60.07C FOR ADDITIONAL DETAILS AND NOTES.
BUS STOP WITH PLANTING STRIP
AND WITH FUTURE EXPANSION

NOTES

1. DIMENSIONS REPRESENT MINIMUM STANDARDS. VARIATIONS MUST BE APPROVED THROUGH CATS AND CDOT PROJECT MANAGER.

2. WIDTH OF EXISTING SIDEWALK PLUS PLANTING STRIP MUST EQUAL 8' WIDE. IF WIDTH IS LESS THAN 8', EXISTING SIDEWALK MUST BE REPLACED WITH WIDER SIDEWALK TO OBTAIN 8' WIDTH.

3. SEE SHEET NO. 60.07A, 60.07B AND 60.07C FOR ADDITIONAL DETAILS AND NOTES.
LEGEND

- CONCRETE 6" THICK
- TRASH RECEPTACLE
- FUTURE BENCH
- FUTURE SHELTER
- CONCRETE SLAB
- EXISTING CURB AND GUTTER TO REMAIN
- GROUND SPACE (48" x 30")
- FUTURE BIKE RACK
- BUS SIGN
- BIKE RACK
- FUTURE
- CONCRETE
- EXISTING BUS SIGN
- RECEPTACLE

NOTES

1. DIMENSIONS REPRESENT MINIMUM STANDARDS. VARIATIONS MUST BE APPROVED THROUGH CATS AND CDOT PROJECT MANAGER.

2. IN AREAS OF THE 6" CONCRETE SLAB, THE BOARDING AND ALIGHTING AREA, AND THE SIDEWALK ADJACENT TO NEW BOARDING AND ALIGHTING AREA MUST MATCH THE SLOPE (1.5%, MAX. 2%) OF BOARD AND ALIGHTING AREA.

3. SEE SHEET NO. 60.07A, 60.07B AND 60.07C FOR ADDITIONAL DETAILS AND NOTES.

BUS STOP WITHOUT PLANTING STRIP WITH FUTURE EXPANSION

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APPROVED DATE

60.05B
GENERAL NOTES:

1. A GROOVE JOINT 1" DEEP WITH 1/8" RADIUS SHALL BE REQUIRED IN THE CONCRETE SIDEWALK WITH JOINT SPACING EQUAL TO THE WIDTH OF SIDEWALK (MAX 6'). ONE 1/2" EXPANSION JOINT WILL BE REQUIRED AT NOT MORE THAN 45'. A SEALED 1/2" EXPANSION WILL BE REQUIRED WHERE SIDEWALK JOINS ANY RIGID STRUCTURE.

2. ALL CONCRETE TO BE A MINIMUM 3,600 P.S.I. COMPRESSIVE STRENGTH AT 28 DAYS. CONCRETE SHALL BE 6" THICK FOR BENCH, BIKE RACKS, AND SHELTER PAD. CONCRETE SHALL BE 4" THICK FOR SIDEWALKS LESS THAN 7'-0" WIDE. CONCRETE SHALL BE 6" THICK FOR SIDEWALLS >= 10'-0" WIDE. SEE CLDSM STD. NO 10.42.

3. SIDEWALK AND PLANTING STRIP WIDTH VARIES DUE TO SITE LIMITATIONS AND EASEMENTS.

4. ALL SPECIFICATIONS ARE BASED ON THE CURRENT CHARLOTTE LAND DEVELOPMENT STANDARDS MANUAL (CLDSM).

CONCRETE DETAILS

SAW CUT EXISTING ASPHALT ON A LINE, MINIMUM DISTANCE OF 1.00' FROM CURB AND GUTTER

NEW ASPHALT

MIN. 4" BITU. CONCRETE BINDER COURSE, TYPE H, 118 LBS/SY-IN OR SAME THICKNESS AS EXISTING

REPLACEMENT CURB AND GUTTER - AS NEEDED

EXISTING CURB AND GUTTER

4" BINDER NOT NEEDED

BENCH, BIKE RACK AND SHELTER PAD, CONCRETE 6" THICK

NO. DATE DESCRIPTION

APPROVED DATE ________

CONCRETE DETAILS

CHARLOTTE AREA TRANSIT SYSTEM

60.07A
GENERAL NOTES

1 ACCESS ROUTE FROM SIDEWALKS TO THE BUS STOP

2 BOARDING AND ALIGHTING AREA
THE BOARDING AND ALIGHTING AREA SHALL HAVE A CLEAR LENGTH OF 96" MINIMUM MEASURED PERPENDICULAR TO THE CURB OR VEHICLE ROADWAY EDGES AND A CLEAR WIDTH OF 60" MINIMUM MEASURED PARALLEL TO THE CURB OR VEHICLE ROADWAY. PERPENDICULAR TO THE CURB OR VEHICLE ROADWAY THE SLOPE SHALL BE 1.5% AND NOT STEEPER THAN 1:48. PARALLEL TO THE CURB OR VEHICLE ROADWAY SLOPE SHALL BE THE SAME AS THE ROADWAY, TO THE MAXIMUM EXTENT POSSIBLE. WITHIN THE BOARDING AND ALIGHTING AREA IS THE BUS ACCESS PAD. THIS BUS PAD IS A 3' X 3' AREA TO ACCOMMODATE THE BUS LIFT AT THE FRONT DOOR OF THE BUS. THIS CLEAR SPACE SHALL NOT BE DEFINED ON THE SLAB. THE BUS ACCESS PAD RUNS PARALLEL TO THE CURB OR VEHICLE ROADWAY. THE BOARDING AND ALIGHTING AREA SHALL COMPLY WITH ADA STANDARDS FOR TRANSPORTATION FACILITIES DATED NOVEMBER 29, 2006 (DOT) SECTION 810.2.2 AND THE NORTH CAROLINA STATE BUILDING CODE.

3 SUBSTITUTIONS
BIDDERS OR PROPOSERS TO OFFER GOODS OR SERVICES THAT ARE EQUIVALENT OR SUPERIOR TO THOSE MANUFACTURERS NAMED OR AS DESCRIBED IN THE GENERAL NOTES SHALL SUBMIT THE PROPOSED SUBSTITUTION TO THE CATS PROJECT MANAGER. BASED UPON THE PROPOSED SUBSTITUTION PROVIDED DURING THE BIDDING PERIOD, THE PROJECT MANAGER SHALL DETERMINE IF THE PROPOSED SUBSTITUTION IS EQUAL OR SUPERIOR TO THE LISTED MANUFACTURERS. BIDDERS OR PROPOSERS WILL BE NOTIFIED OF THE EQUAL OR SUPERIOR SUBSTITUTION PRIOR TO SUBMITTING THEIR PROPOSALS.

4 BENCH
BENCH SHALL BE A MINIMUM LENGTH OF 4' UNLESS NOTED OTHERWISE. ALL BENCH SURFACES SHALL HAVE A SMOOTH FINISH, EASED, ROUNDED OR CHAMFERED EDGES. BENCH SLATS SHALL BE MADE OF A MINIMUM OF 60% POST CONSUMER RECYCLED MATERIAL WOOD-POLYMER COMPOSITE MATERIAL. "V" SHAPED SEAT-DELINEATORS SHALL BE PROVIDED IN THE SEATING AREA. STANDARD POWDER COATING FINISH. COLOR TO BE A CUSTOM COLOR AS SELECTED BY CATS PM. BENCHES ARE TO BE INSTALLED AND AFFIXED TO THE CONCRETE SLAB IN ACCORDANCE WITH THE MANUFACTURER’S SPECIFICATIONS USING 3/4" X 3 1/4" STAINLESS STEEL ANCHOR BOLTS. ALL FASTENERS SHALL SELF LOCKING OR HIDDEN TO DETEER UNWANTED REMOVAL. MANUFACTURERS SUBJECT TO COMPLIANCE WITH REQUIREMENTS, AVAILABLE MANUFACTURERS OFFERING PRODUCTS THAT MAY BE INCORPORATED INTO THE WORK INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
4’ BENCH
A. TOLAR MANUFACTURING COMPANY, INC. 52” MESA BENCH WITH 1 CENTER V-BAR. (13023-121) (52” X 14 1/2") (www.tolarmgf.com)
B. BARCO 6’ SURFACE MOUNT, CEDAR 101 (KBC13110-CD) (www.barcoproducts.com)
6’ BENCH
C. TOLAR MANUFACTURING COMPANY, INC. 72” MESA BENCH WITH 2 CENTER V-BAR. (13023-121) (72” X 14 1/2") (www.tolarmgf.com)
D. BARCO 6’ SURFACE MOUNT, CEDAR 101 (KBC1311U-CD) (www.barcoproducts.com)

5 BIKE RACK
FREESTANDING BIKE RACK FRAME TO BE 1 1/2” SCHEDULE 40 ALUMINUM PIPE 601-T6 WITH 3/8” THICK ALUMINUM 601-T6 PLATES. BIKE RACK FINISH SHALL HAVE A SUPER DURABLE POWDER COAT ENAMEL. COLOR TO BE A CUSTOM COLOR AS SELECTED BY CATS PM BIKE RACK IS TO BE INSTALLED AND AFFIXED TO THE CONCRETE SLAB IN ACCORDANCE WITH THE MANUFACTURER’S SPECIFICATIONS USING 3/4” X 3 1/4" STAINLESS STEEL ANCHOR BOLTS PER PLATE. ALL SURFACES SHALL BE SMOOTH FINISHED AND FREE FROM BURRS, SHARP EDGES, DENTS AND OTHER IMPERFECTIONS. MANUFACTURERS SUBJECT TO COMPLIANCE WITH REQUIREMENTS, AN AVAILABLE MANUFACTURER OFFERING PRODUCTS THAT MAY BE INCORPORATED INTO THE WORK INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
A. TOLAR MANUFACTURING COMPANY, INC. BIKE RACK STD. (14014) (www.tolarmgf.com)

6 BUS SHELTER AND BENCH
BUS SHELTER SHALL BE DESIGNED TO MEET THE NORTH CAROLINA STATE BUILDING CODE. THE SHELTER DESIGN DRAWINGS SHALL BE SIGNED AND SEALED BY A LICENSED NORTH CAROLINA ENGINEER AND SUBMITTED FOR REVIEW. SHELTER SHALL BE CORROSION, RUST, WEATHER RESISTANT, SELF EXTINGUISHING, VANDAL PROOF, IMPACT AND SCRATCH RESISTANT. ALL WALL PANELS SHALL BE REPLACEABLE AND OF A STANDARD SIZE. PANELS SHALL BE ACCESSIBLE FROM THE SIDEWALK AND THE PASSENGER WAITING AREA. BUS SHELTER SHALL BE INSTALLED AND AFFIXED TO THE CONCRETE SLAB IN ACCORDANCE WITH THE MANUFACTURER’S SPECIFICATIONS USING STAINLESS STEEL OR AN APPROVED FASTENERS. FASTENERS SHALL BE SELF LOCKING OR OF A TYPE THAT CANNOT BE LOOSENED WITH READILY AVAILABLE TOOLS. FASTENERS SHALL BE HIDDEN FROM VIEW WHENEVER POSSIBLE AND SHALL BE FLUSH WITH THE SURFACE CONNECTED. ALL SURFACES SHALL BE SMOOTH FINISHED AND FREE FROM BURRS, SHARP EDGES, DENTS AND (CONTINUE SEE SHEET STD. NO. 60.07B)

REVISIONS

NO. DATE DESCRIPTION

GENERAL NOTES

APPROVED DATE

SHEET NO. 60.07B

Charlotte Area Transit System
(CONTINUED NOTE #6)
OTHER IMPERFECTIONS. SHELTER SHALL HAVE A SUPER-DURABLE POWDER COAT ENAMEL FINISH, WITH A 4-5 MIL FINAL THICKNESS. COLOR TO BE A CUSTOM COLOR AS SELECTED BY CATS PM. MANUFACTURERS ARE TO BE Subject TO COMPLIANCE WITH REQUIREMENTS, AVAILABLE MANUFACTURERS OFFERING PRODUCTS THAT MAY BE INCORPORATED INTO THE WORK INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
1. TOLAR MANUFACTURING COMPANY, INC., SHELTER LO’ SERIES (26113-30) (www.tolarmfg.com).
2. TOLAR MANUFACTURING COMPANY, INC., 72” MESA BENCH (13023-121). BENCH PROVIDED WITHIN THE SHELTER.

7 CONCRETE
READY MIXED CONCRETE STRENGTH SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,600 PSI AT 28 DAYS. UNLESS NOTED OTHERWISE CONCRETE SHALL BE INSTALLED IN ACCORDANCE WITH CHARLOTTE LAND DEVELOPMENT STANDARDS MANUAL (CLDSM). BOARDING AND ALIGHTING AREA SHALL HAVE A CONCRETE DEPTH OF 4”. TYPICAL SIDEWALK DEPTH IS 4”. CONCRETE DEPTH AT BENCHES AND SHELTERS IS 6”. A GROOVED JOINT OF 1” DEEP WITH A 1/4” RADIUS SHALL BE REQUIRED IN THE CONCRETE AT 5’ INTERVALS. ONE 1/2” EXPANSION JOINT WILL BE REQUIRED WHERE THE SIDEWALL ABUTS ANY STRUCTURE.

8 DETECTABLE WARNINGS
DETECTABLE WARNING ON CURB RAMPS SHALL COMPLY WITH ADA STANDARDS FOR TRANSPORTATION FACILITIES (DOT) SECTION 406.8, THE NORTH CAROLINA STATE BUILDING CODE, AND THE CHARLOTTE LAND DEVELOPMENT STANDARDS MANUAL (CLDSM) STD NO. 10.35B.

9 SIGNS
BUS STOP SIGNS, BUS ROUTE SIGNS AND POST SHALL BE PROVIDED AND INSTALLED BY CHARLOTTE AREA TRANSIT SYSTEM (CATS).

10 TRASH RECEPTACLES
THE EXTERIOR OF THE 32 GALLON TRASH RECEPTACLE IS TO BE ½” #9 EXPANDED METAL WITH 11 GAUGE X 1 ¾” STRIP BORDER AT THE TOP AND BOTTOM OF THE EXPANDED METAL AND VERTICAL SEAM. BOTTOM PLATE TO BE MINIMUM 11 GAUGE STEEL SHEET LASER CUT. ALL WELDING OF RECEPTOR TO BE MIG WELDS. THE LID TO HAVE A ROUND TOP FABRICATED FROM HEAVY DUTY STRUCTURAL PLASTIC WITH A SELF-CLOSING DOOR. THE POLYETHYLENE COPOLYMER-BASED THERMOPLASTIC COATED ELEMENTS SHALL HAVE A 5 YEAR WARRANTY. COLOR TO BE A CUSTOM COLOR AS SELECTED BY CATS PM. TRASH RECEPTACLES ARE TO BE INSTALLED AND AFFIXED TO THE CONCRETE SLAB IN ACCORDANCE WITH THE MANUFACTURER’S SURFACE MOUNT SPECIFICATIONS. MANUFACTURERS SUBJECT TO COMPLIANCE WITH REQUIREMENTS, AVAILABLE MANUFACTURERS

(CONTINUED NOTE #10)
OFFERING PRODUCTS THAT MAY BE INCORPORATED INTO THE WORK INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
A. ULTRASITE, INC., Model # EX-32 (www.ultra-site.com).
   1) LINER: PL-32, HEAVY DUTY PLASTIC
   2) LID MODEL: KT-32, ROUND TOP
   3) SURFACE MOUNT: SM KIT

11 GROUND SPACE
THIS IS A CLEAR FLOOR OR GROUND SPACE (48” x 30” MINIMUM AREA) LOCATED IN THE BUS SHELTER TO BE USED BY A PASSENGER IN A WHEELCHAIR WAITING FOR THE ARRIVAL OF A BUS. THE GROUND SPACE SHALL BE CONNECTED TO A BOARDING AND ALIGHTING AREA PERPENDICULAR TO THE CURB OR VEHICLE ROADWAY. THE SLOPE SHALL BE 1.5% AND NOT BE STEEPER THAN 1:48. PARALLEL TO THE CURB OR VEHICLE ROADWAY SLOPE SHALL BE THE SAME AS THE ROADWAY, TO THE MAXIMUM EXTENT POSSIBLE.

12 LANDSCAPING
WHEN LANDSCAPING IS BEING PROVIDED SHRUBS SHALL NOT EXCEED 2’-6” IN HEIGHT. SHRUBS THAT REQUIRE PRUNING TO MAINTAIN MAXIMUM HEIGHT ARE NOT RECOMMENDED. SHRUBS SHALL NOT BE PLACED ADJACENT TO THE BACK OF THE SHELTER. ORNAMENTAL OR SHADE TREES ARE RECOMMENDED TO PROVIDE SHADE FOR PASSENGERS. TREES SHOULD BE PLANTED ON THE SOUTH OR WEST SIDE OF THE BUS STOP. WHenever POSSIBLE, TREES SHOULD NOT BLOCK THE PASSENGER VIEW OF APPROACHING BUSES. TREES SHALL BE SELECTED AND INSTALLED IN ACCORDANCE WITH CHARLOTTE LAND DEVELOPMENT STANDARDS MANUAL (CLDSM). PROPOSED TREES SHALL BE SUBMITTED AND APPROVED BY THE CITY ARBORIST.