

NOTES:

1. DESIGN PLANS SHOULD BE CONSULTED FOR VARIATIONS.
2. NOSE OF FLOATING BUS STOP CAN BE DESIGNED AS MOUNTABLE TRUCK APRON, IF NECESSARY TO ACCOMMODATE LARGE VEHICLE TURNING MOVEMENTS.
3. A MINIMUM 5-FOOT WIDE BY 8-FOOT DEEP BOARDING AND ALIGHTING AREA, WITH A MAXIMUM SLOPE OF 2% IN ANY DIRECTION, IS REQUIRED AT FORWARD LOADING AREA ADJACENT TO THE BUS DOOR. THE 8-FOOT DEPTH MAY INCLUDE THE ADJACENT CURBLINE, BUT IS EXCLUSIVE OF ANY RAILING OR CHAMFERED CURB SPACE. A 4-FOOT MINIMUM CLEAR ACCESSIBLE ROUTE MUST BE PROVIDED BETWEEN THE BOARDING AND ALIGHTING AREA AND THE SIDEWALK. AN ACCESSIBLE ROUTE MUST ALSO BE PROVIDED BETWEEN ANY PROVIDED BUS SHELTERS AND THE BOARDING AND ALIGHTING AREA. IF A FLOATING BUS STOP SERVES MULTIPLE TRANSIT VEHICLE STOPS SIMULTANEOUSLY, BOARDING AND ALIGHTING AREAS MUST BE PROVIDED AT EACH VEHICLE DOOR AND ACCESSIBLE ROUTES PROVIDED ACCORDINGLY.
4. THE PREFERABLE FLOATING BUS STOP LENGTH IS BASED ON THE LENGTH OF THE BUS(ES) EXPECTED TO USE THE BUS STOP. IF MULTIPLE BUSES ARE EXPECTED TO USE THE STOP AT THE SAME TIME, THE LENGTH SHOULD BE BASED ON THE BUS LENGTH(S) WITH 20-FEET OF SEPARATION BETWEEN THE BUSES. THE LENGTH OF A FLOATING BUS STOP IS EXCLUSIVE OF ALL PEDESTRIAN RAMPS.
5. LENGTH OF SIDEWALK REPLACEMENT WILL VARY BASED THE WIDTH OF THE FLOATING BUS STOP, EXISTING ROADWAY CROSS SLOPES, CURB REVEAL, AND THE SLOPE AND GRADE OF EXISTING SIDEWALKS.
6. PEDESTRIAN CROSSINGS FROM THE SIDEWALK TO THE FLOATING BUS STOP MAY BE PROVIDED AT INTERSECTIONS, AT LOCATIONS SEPARATE FROM THE INTERSECTION, AND/OR AT THE ENDS FURTHEST FROM INTERSECTIONS. TWO PEDESTRIAN CROSSINGS ARE PREFERABLE BASED ON NATURAL PEDESTRIAN DESIRE LINES.
7. WHERE POSITIVE DRAINAGE CANNOT BE ACHIEVED ALONG CURBLINES, INSTALL NEW STORM DRAIN STRUCTURES AND CONNECT TO EXISTING STORMWATER CONVEYANCE SYSTEM.
8. THIS NOTE INTENTIONALLY LEFT BLANK.
9. THE USE OF DIRECTIONAL INDICATOR STRIPS MAY ONLY BE CONSIDERED WHERE THE USE OF AN UNWALKABLE, VEGETATED AREA, OR HANDRAIL BETWEEN THE BIKE LANE AND SIDEWALK WOULD RESULT IN A SIDEWALK WIDTH OF LESS THAN 5-FEET, OR IS OTHERWISE NOT PREFERRED.
10. A MINIMUM 12-FOOT x 4-FOOT CLEAR SPACE, WITH A MAXIMUM SLOPE OF 2% IN ANY DIRECTION IS RECOMMENDED AT ALL REAR BUS DOORS. IF THE REAR DOOR SERVES AS THE WHEELCHAIR ACCESSIBLE LOADING DOOR, A 5-FOOT X 8-FOOT LOADING AREA IS REQUIRED.
11. SEE CITY OF BOULDER DESIGN AND CONSTRUCTION STANDARDS, SECTION 2.07, TABLE 2.5 FOR STANDARD LANE WIDTHS
12. BIKE LANE TAPERS PREFERRED AT 7:1 SHIFT, MINIMUM 3:1 SHIFT IN CONSTRAINED LOCATIONS WHERE SPEED IS  $\leq$  13 MPH
13. STANDARD 6 INCH CURB HEIGHTS ARE PREFERRED AND MAY REQUIRE PARTIAL OR FULL ROADWAY REGRADING. CURB HEIGHTS OF 4 INCHES OR LESS MAY BE USED TO ACHIEVE POSITIVE DRAINAGE WITHOUT ROADWAY REGRADING. THE USE OF CURB HEIGHTS BELOW 4" REQUIRES THE APPROVAL BY ENGINEER.
14. SLOPE TO REMAIN TRAVERSABLE AND DRAIN TOWARDS THE GUTTER. SLOPES NOT TO EXCEED 2%.
15. OVERALL CURB HEIGHT WILL VARY BASED ON EXISTING GRADES, CURB REVEALS, AND OPPORTUNITIES TO ADJUST THE CURBLINE ELEVATION AT THE EDGE OF ROAD. ENSURE THAT THE CURB DEPTH EXTENDS AT LEAST 8 INCHES BELOW FINISHED GRADE. FOR CURB REVEAL HEIGHTS THAT EXCEED 9 INCHES, DESIGN CURB AS AN ISOLATED REINFORCED CONCRETE RETAINING CURB.
16. A HANDRAIL IS REQUIRED IF THE CURB HEIGHT EXCEEDS 8 INCHES. A HANDRAIL SHOULD BE CONSIDERED FOR ANY CURB REVEAL OR ADJACENT TO SIDEWALK LEVEL BIKE LANES TO CHANNELIZE PEDESTRIANS TO THE CROSSWALKS. ALTERNATIVELY, A NON-WALKABLE AREA OR DIRECTIONAL INDICATOR STRIP MAY BE CONSIDERED.
17. ADJUSTMENTS TO THE BIKE LANE ELEVATION MAY BE NECESSARY IF ROADWAY CROSS SLOPES EXCEED 2%. IF ADJUSTING GRADE, ENSURE THAT POSITIVE DRAINAGE IS MAINTAINED ALONG THE CURB LINE OR PROVIDE ADDITIONAL DRAINAGE STRUCTURES.
18. VALLEYS CREATED FROM REVERSE SLOPES SHALL BE DRAINED BACK TO THE CURB WHEN POSSIBLE TO AVOID PONDING ON THE FLOATING BUS STOP. TRENCH DRAINS WITH ADA COMPLIANT GRATES ARE ALSO APPROPRIATE.
19. LIGHTING SHOULD BE PLACED TO ILLUMINATE ENTIRE FLOATING BUS STOP LOADING AREA.
20. WHERE PARKING IS PROVIDED ALONG THE STREET, FOLLOW RTD STANDARDS FOR TAPER LENGTHS APPROACHING AND DEPARTING BUS STOPS.

DRAWN BY: TW  
CHECKED BY: CS  
  
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DIRECTOR OF PUBLIC WORKS

CITY OF BOULDER, COLORADO  
  
FLOATING BUS STOP  
NOTES

ISSUED: JAN 02, 2023  
REVISED: JAN 02, 2023

DRAWING NO.

2.44c