



RESPONSE TO REQUEST FOR COMMENTS

DATE: 1/31/2024

CASE/APP NUMBER: UGA-SPR-ADJ-DAP-DR-PLA24-03

PROPERTY LOCATION: 4650 Hazelgreen Rd NE

CASE MANAGER: Aaron Panko, Planner III, City of Salem

Email: apanko@cityofsalem.net

COMMENTS FROM: Jolynn Franke, Transit Planner II, Cherriots

Email: planning@cherriots.org

COMMENTS: Transit stops have been identified as needed in connection with this proposed development. Cherriots requests two transit stops conforming to the applicable standards of the Salem Area Mass Transit District to be constructed and right-of-way dedication, if necessary, to be provided as part of the street improvements for this development. On-street parking shall be restricted in the area of the transit stops in order to ensure unobstructed access by transit.

One of the transit stops shall be located on the east side of Lunar Drive at Building 5, approximately 50 feet north of the driveway as depicted in preliminary site plan drawing P5.0. The other transit stop shall be located at Building 22 as depicted in drawing P5.1 Note 7.

Design and construction of the transit stops shall conform to Cherriots standard bus stop design package included in the following pages. Specifically –

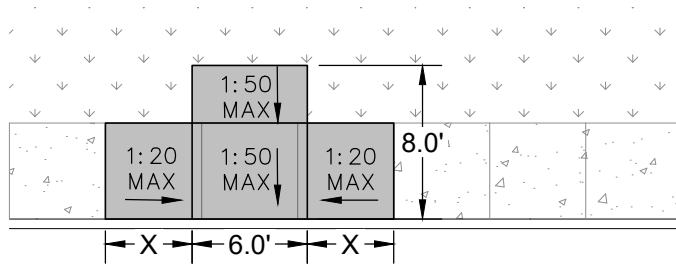
- C1 – Bus Stop Pads Layout; Bus Stop Pads – Planter Strip (12' wide or less)
- C8 – No Parking Zones at Intersections Detail (Bus Stop Zone 150' Minimum Midblock Stop)



Cherriots standard design package also includes sidewalk, curb, and easement details should they be needed. The transit stop pole and sign will be provided and installed by Cherriots staff.

Any questions should be directed by email to planning@cherriots.org.

In addition to fixed route transit, the Salem Area Mass Transit District provides a suite of services and programs that encourage people to try out other transportation options, such as carpool, vanpool, bike, walk and telework. Promoting easy, cost-effective, and environmentally friendly ways to get around is a great way to attract and retain long-term residents/tenants. For more information on transportation options to fit any lifestyle, contact the Commuter Options Coordinator at commute@cherriots.org.



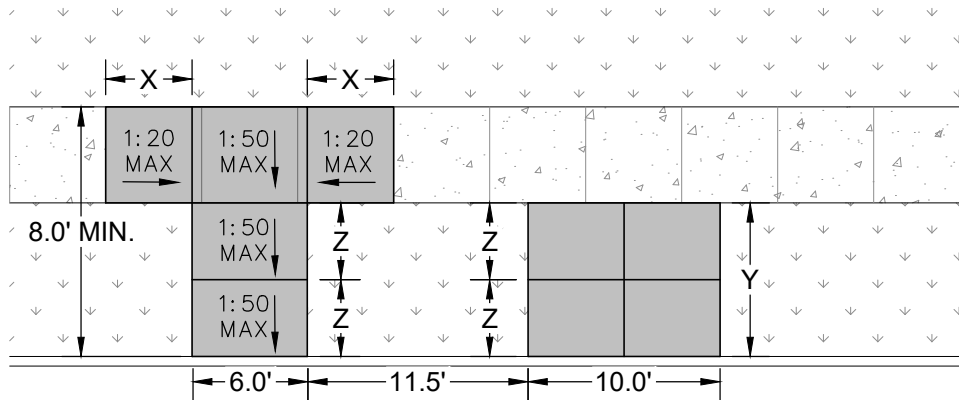
EXISTING ROADWAY

BUS STOP PADS - CURB LINE SIDEWALK

NOT TO SCALE

NOTES:

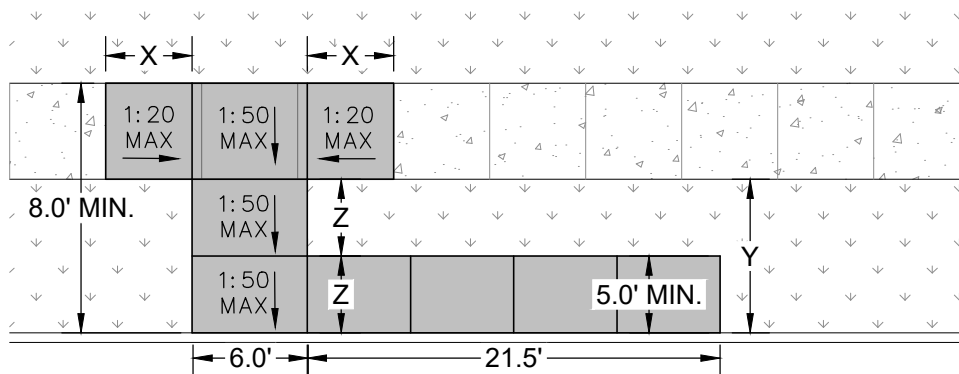
1. "X" WIDTH TO BE A MINIMUM OF 3.0' OR MATCH EXISTING SIDEWALK JOINT SPACING.
2. "Y" LENGTH TO BE EQUAL TO THE WIDTH OF THE PLANTER STRIP, FROM BACK OF CURB TO FRONT OF SIDEWALK.
3. JOINT SPACING, "Z" SHALL BE 3' MINIMUM, 6' MAXIMUM. PROVIDE SIDEWALK PANELS THAT ARE AS SQUARE AS POSSIBLE.
4. MATCH EXISTING WIDTH WHERE PROPOSED BUS STOP PANELS CONNECT TO THE EXISTING WALK.



EXISTING ROADWAY

BUS STOP PADS - PLANTER STRIP (12' WIDE OR LESS)

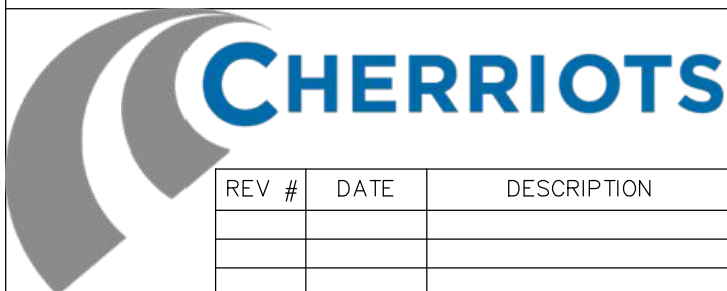
NOT TO SCALE



EXISTING ROADWAY

BUS STOP PADS - PLANTER STRIP (WIDER THAN 12')

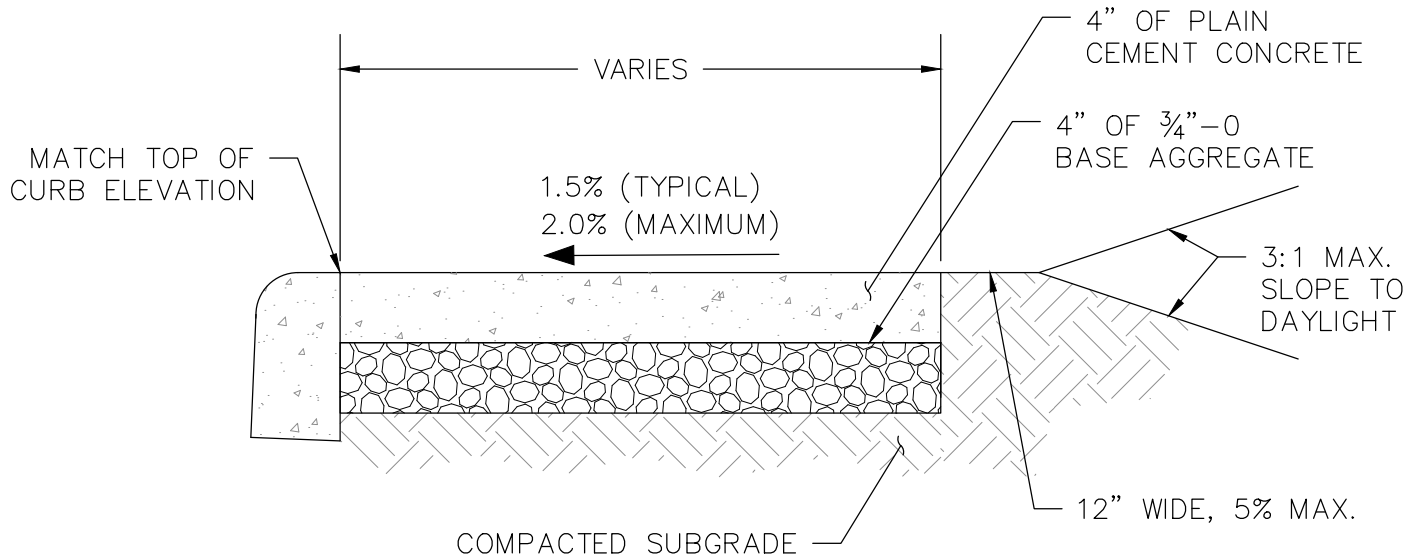
NOT TO SCALE



BUS STOP PADS LAYOUT

C1

REV #	DATE	DESCRIPTION	BY EGW	CHECKED RDV
			DATE 03/03/22	DATE 03/03/22



NOTES:

1. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 P.S.I. AT 28 DAYS.
2. CONTRACTION JOINTS OF THE WEAKENED PLANE TYPE SHALL BE 1- $\frac{1}{4}$ " DEEP AND TOOL ROUNDED BEFORE BROOMING. MATCH EXISTING JOINT SPACING. 15' MAXIMUM.
3. EXPANSION JOINTS TO BE PLACED AT SIDES OF DRIVEWAY APPROACHES, UTILITY VAULTS, ADA CURB RAMPS, AND AT SPACING NOT TO EXCEED 45 FEET.
4. FOR SIDEWALKS ADJACENT TO THE CURB AND POURED AT THE SAME TIME AS THE CURB, THE JOINT BETWEEN THEM SHALL BE A TROWELED JOINT WITH A MIN. $\frac{1}{2}$ INCH RADIUS.
5. FINISH WITH BROOM AND EDGE ALL JOINTS.
6. ALL EDGES SHALL BE TOOL ROUNDED AND SHINED PER JURISDICTIONAL REQUIREMENTS AFTER BROOMING. PROVIDE 3" SHINE IF NO OTHER REQUIREMENTS EXIST.
7. BASE AGGREGATE TO BE COMPACTED TO 95% OF AASHTO T-99.



CHERRIOTS

**STANDARD
SIDEWALK**

C2

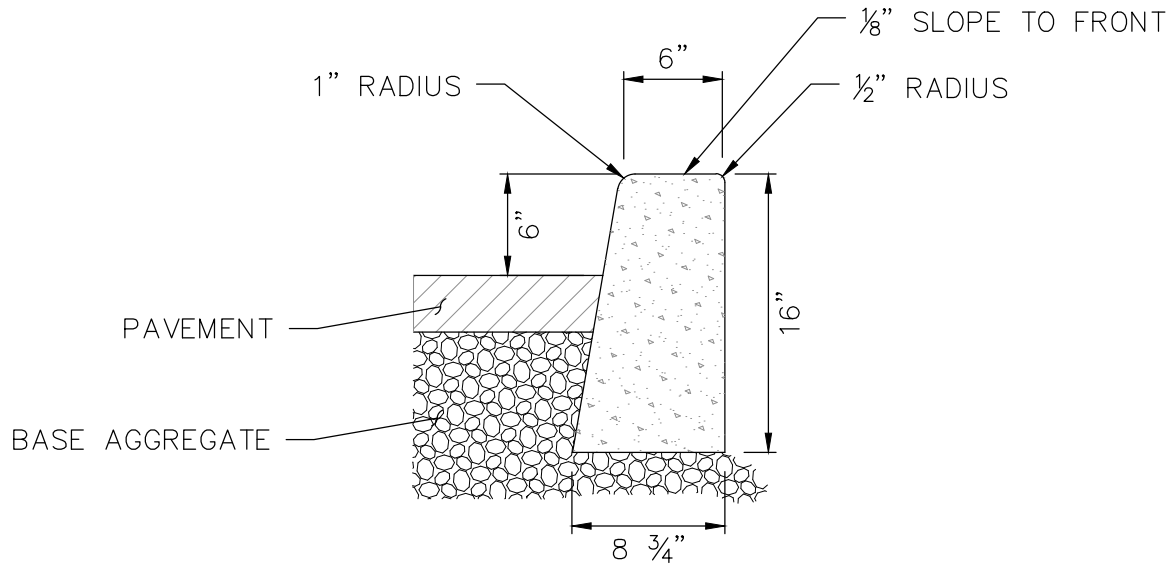
REV #	DATE	DESCRIPTION

BY EGW

DATE 03/03/22

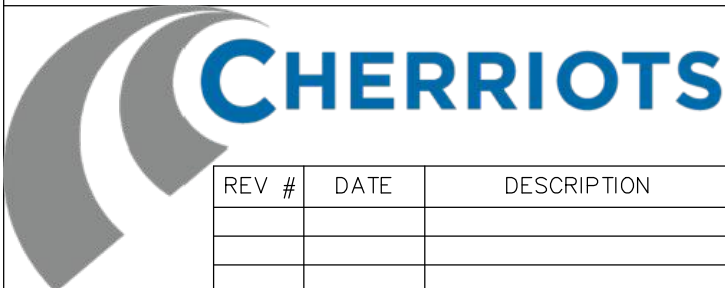
CHECKED RDV

DATE 03/03/22



NOTES:

1. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 P.S.I. AT 28 DAYS.
2. EXPANSION JOINTS
 - 2.A. TO BE PROVIDED:
 - 2.A.1. AT EACH POINT OF TANGENCY OF THE CURB.
 - 2.A.2. AT EACH COLD JOINT.
 - 2.A.3. AT EACH SIDE OF THE INLET STRUCTURES.
 - 2.A.4. AT EACH END OF DRIVEWAYS.
 - 2.A.5. AT LOCATIONS NECESSARY TO LIMIT SPACING TO 45 FEET.
3. CONTRACTION JOINTS:
 - 3.A. SPACING TO BE NOT MORE THAN 15 FEET.
 - 3.B. THE DEPTH OF THE JOINT SHALL BE AT LEAST 1-1/2 INCHES.
4. BASE AGGREGATE TO BE 1 1/2"-0" OR 3/4"-0" COMPACTED TO 95% OF AASHTO T-99 AND SHALL BE TO SUBGRADE, STREET STRUCTURE, OR 4" IN DEPTH, WHICHEVER IS GREATER.



**STANDARD
CURB**

C3

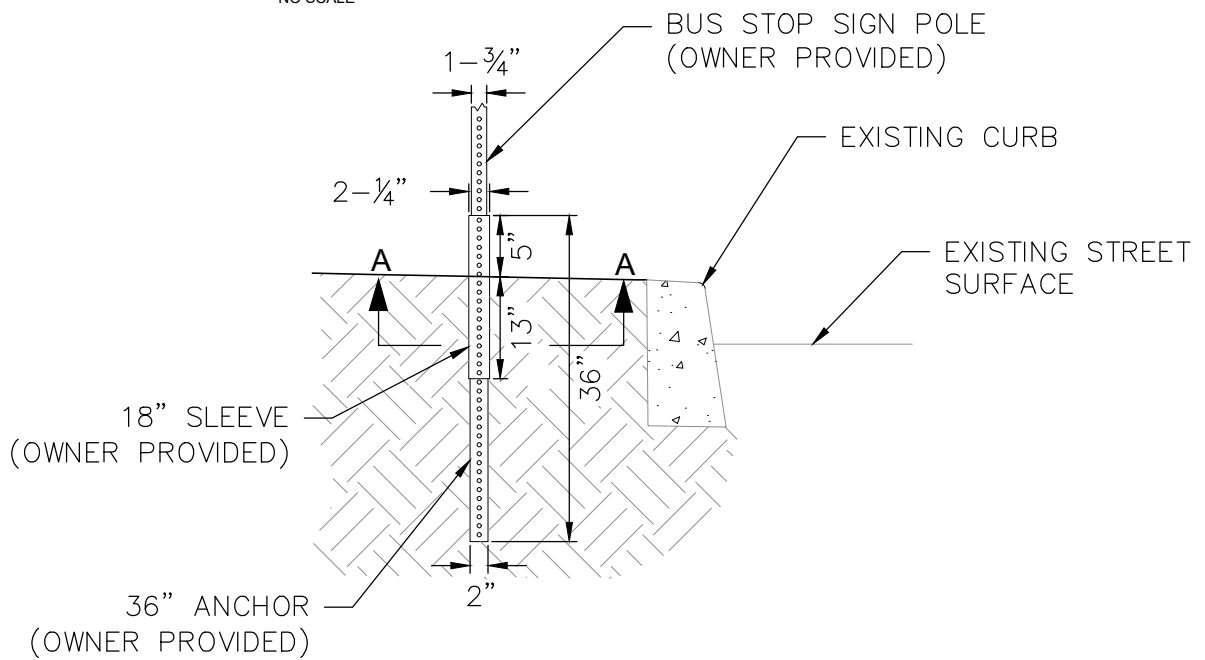
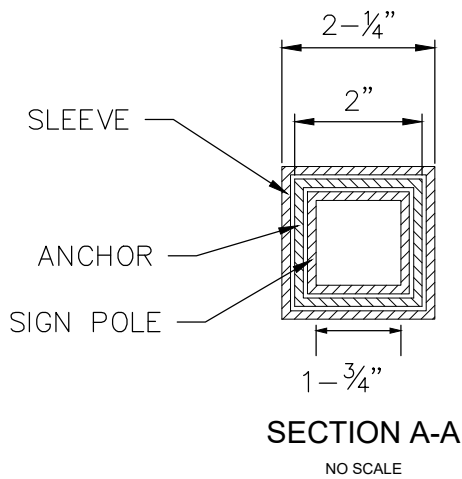
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DATE 03/03/22

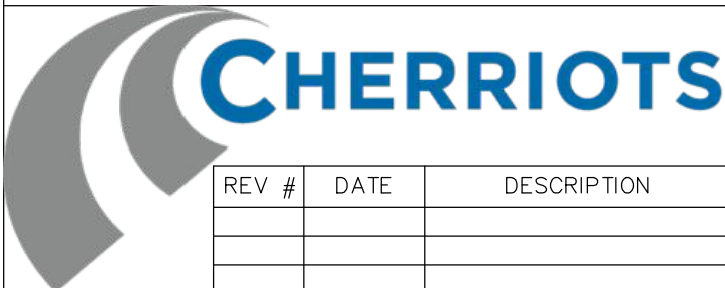
CHECKED RDV

DATE 03/03/22



NOTES:

1. CONTACT CHERRIOTS PLANNING STAFF AT (503) 588-2424 TO OBTAIN SIGN MATERIALS.



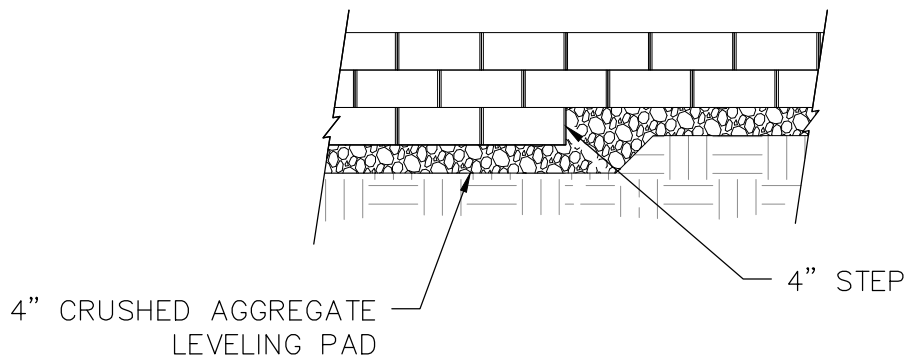
**BUS STOP SIGN POLE,
ANCHOR & SLEEVE
DETAIL**

REV #	DATE	DESCRIPTION

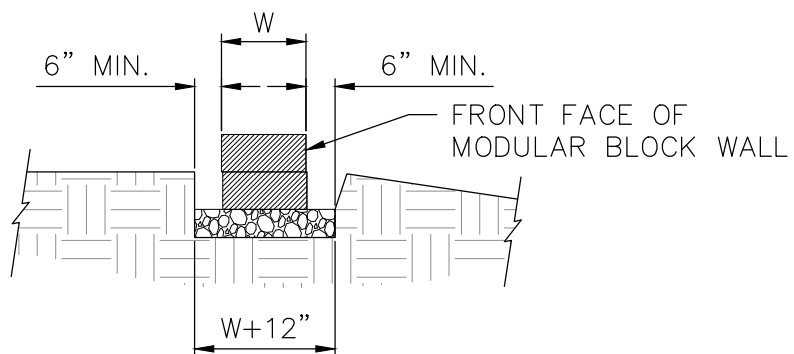
BY EGW
DATE 03/03/22

CHECKED RDV
DATE 03/03/22

C4



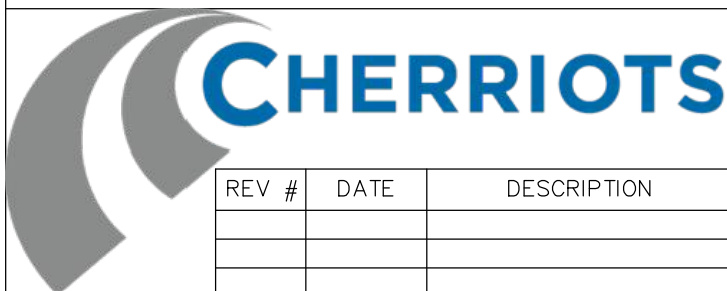
ELEVATION



SECTION

NOTE:

1. LEVELING PAD TO BE $\frac{3}{4}$ "-0 CRUSHED AGGREGATE COMPACTED TO 95% OF AASHTO T-99



LEVELING PAD
DETAIL

REV #	DATE	DESCRIPTION

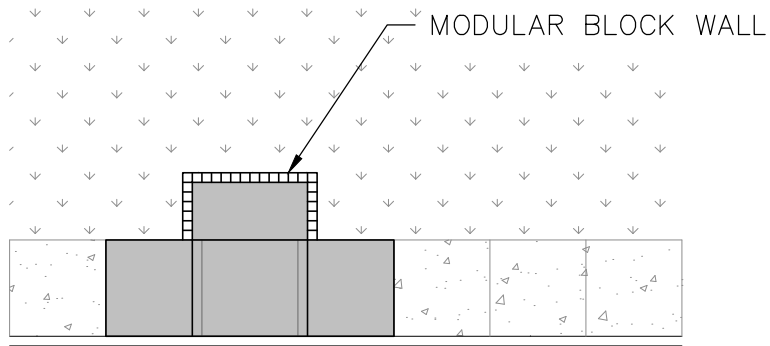
BY EGW

DATE 03/03/22

CHECKED RDV

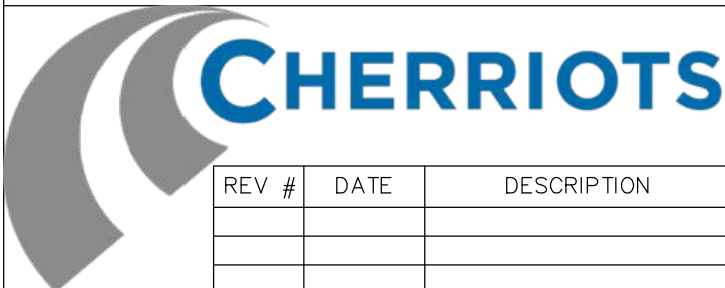
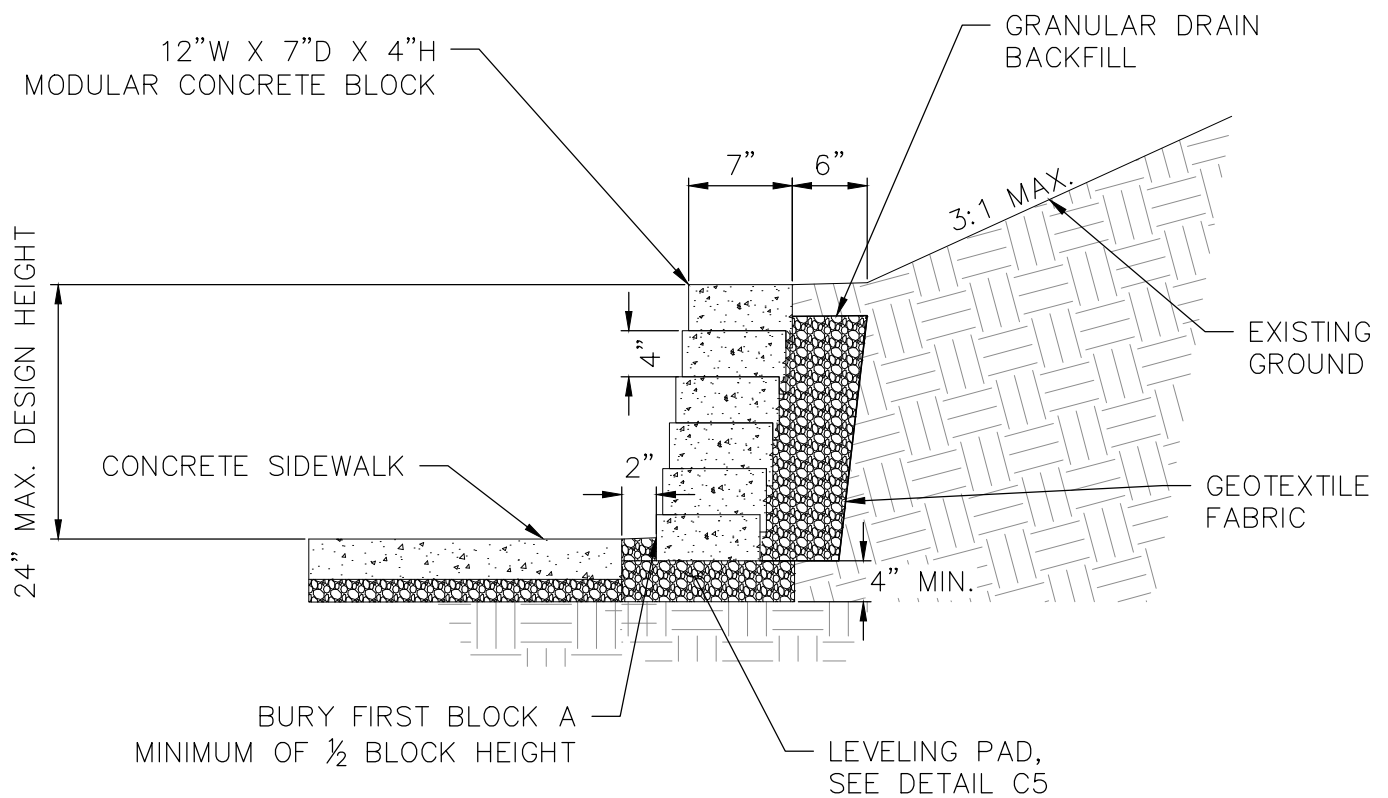
DATE 03/03/22

C5



NOTES:

1. MODULAR BLOCK WALL SHALL BE REQUIRED WHEN SLOPE GRADING TO DAYLIGHT AT 3:1 MAX. CANNOT BE ACHIEVED.
2. THE MODULAR BLOCK WALL SHALL BE CONSTRUCTED WHEN WALL EXPOSURE IS TO BE GREATER THAN 6".



**MODULAR BLOCK
WALL DETAIL**

BY EGV

DATE 03/03/22

CHECKED RDV

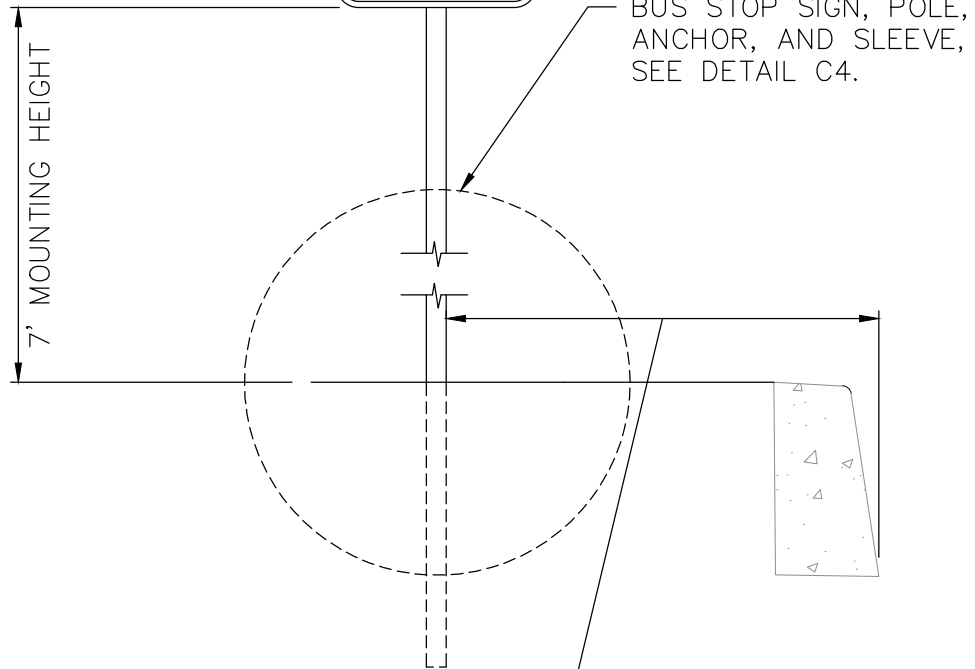
DATE 03/03/22

C6

BUS STOP SIGN
(OWNER PROVIDED)




BUS STOP
SIGN



BUS STOP SIGN, POLE,
ANCHOR, AND SLEEVE,
SEE DETAIL C4.

2' FROM FACE OF CURB OR
1' FROM BACK OF SIDEWALK



CHERRIOTS

REV #	DATE	DESCRIPTION

**TYPICAL BUS STOP
SIGN PLACEMENT
DETAIL**

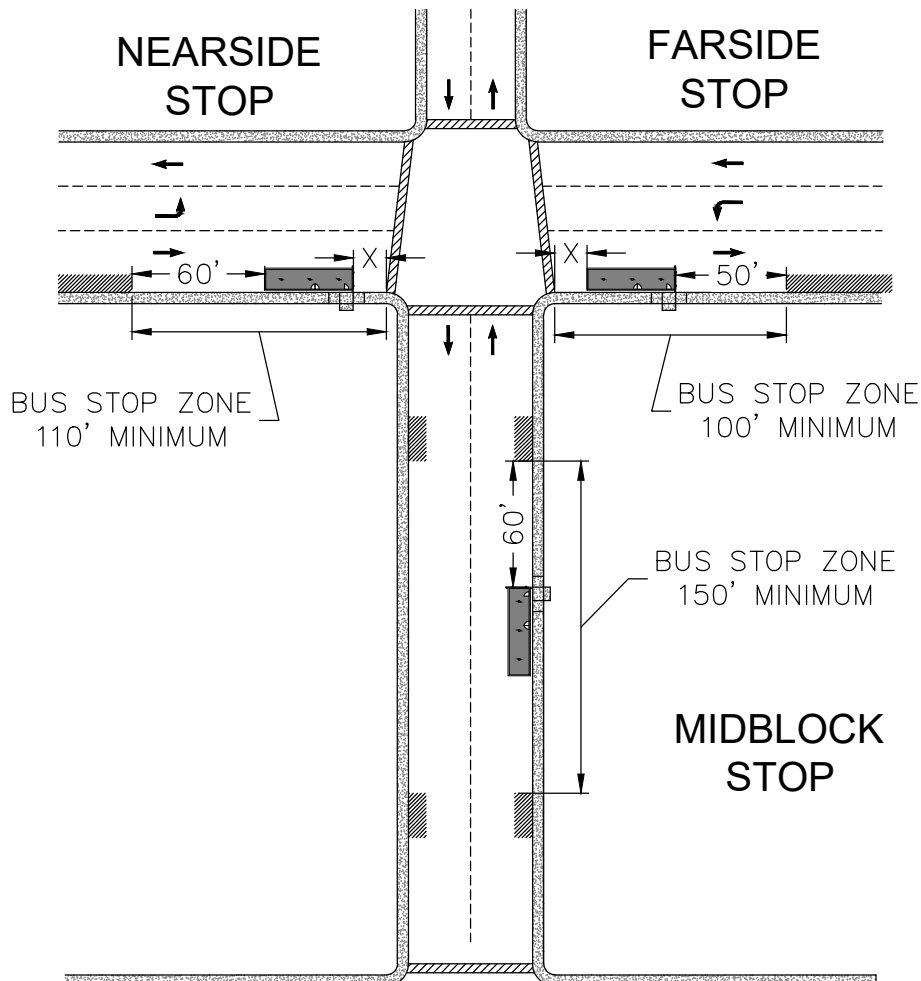
BY EGW

DATE 03/03/22

CHECKED RDV

DATE 03/03/22

C7

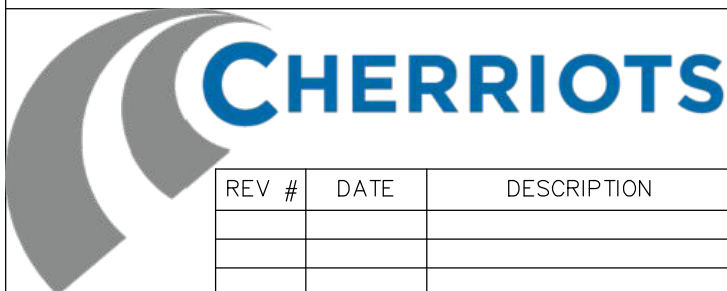


NOTES:

1. CHERRIOTS TO PROVIDE INFORMATION REGARDING BUS TYPE, LENGTH, AND QUANTITY OF BUSES TO BE SERVICED BY BUS STOP.
2. FOR MULTIPLE BUSES BEING SERVED AT ONE STOP:
 - 2.A. ADD 50 FEET FOR EACH ADDITIONAL STANDARD 40-FOOT BUS.
 - 2.B. ADD 70 FEET FOR EACH ADDITIONAL 60-FOOT ARTICULATED BUS.
3. BUS STOP ZONE SHALL BE SIGNED AS A NO PARKING ZONE PER STANDARDS OF LOCAL JURISDICTION.
4. X = 10' MINIMUM FROM EDGE OF CROSSWALK OR END OF RADIUS, WHICHEVER IS FURTHER FROM THE INTERSECTION.

MINIMUM DISTANCE BETWEEN A BUS STOP AND LEFT TURN (FT)

POSTED SPEED LIMIT	LANE CHANGES			
	1	2	3	4
30 MPH OR LESS	430	610	790	970
35 MPH	625	875	1125	1375
40 MPH	780	1080	1380	1680
45 MPH	1080	1430	1780	2130
50 MPH	1415	1865	2135	2765
55 MPH	1830	2380	2930	3480



**NO PARKING ZONES
AT INTERSECTIONS
DETAIL**

C8

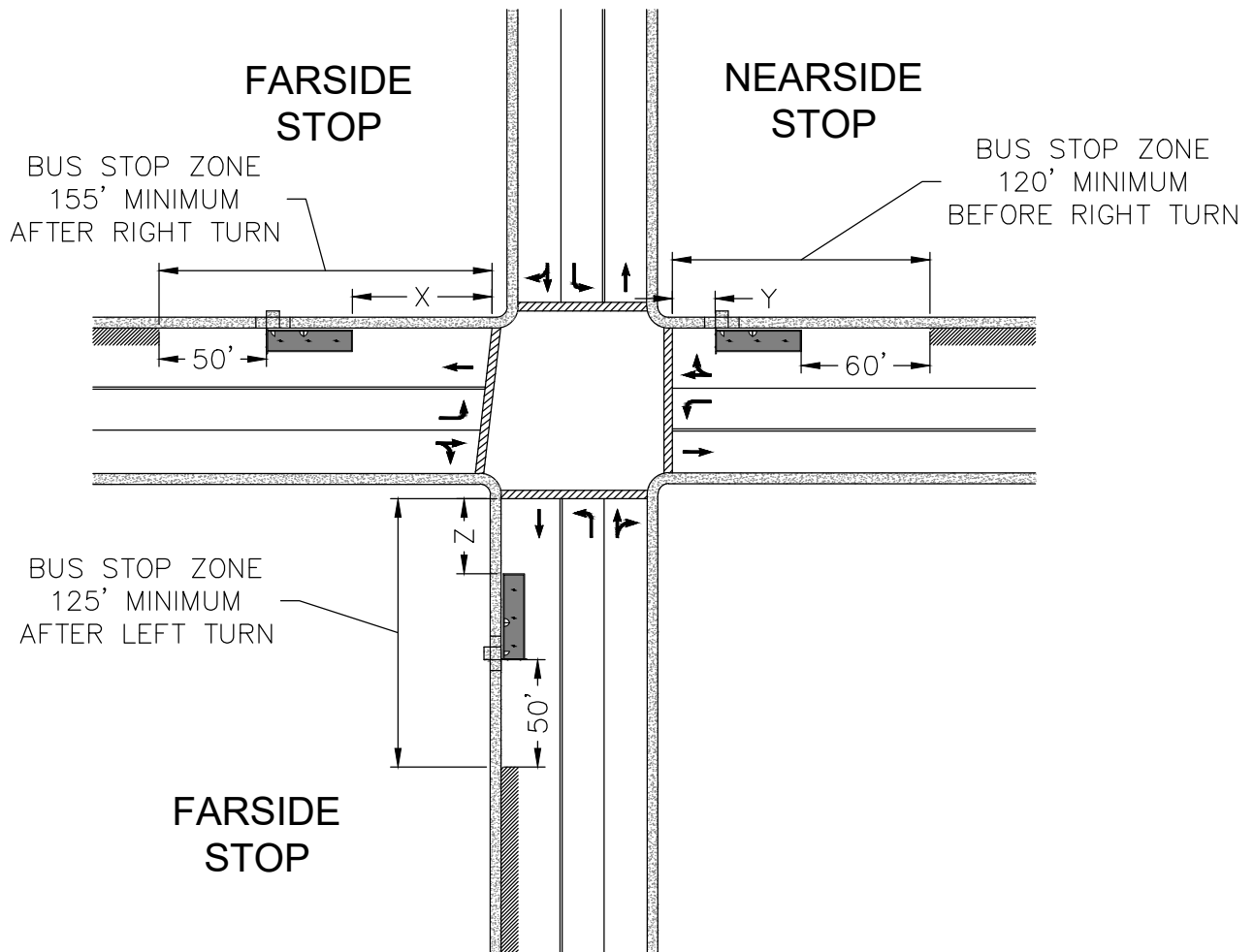
REV #	DATE	DESCRIPTION

BY EGW

DATE 09/22/22

CHECKED RDV

DATE 09/22/22

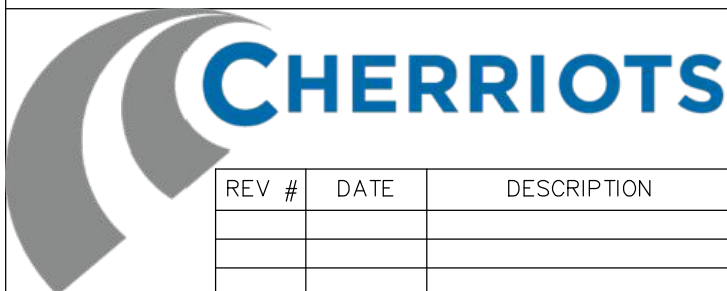


NOTES:

1. CHERRIOTS TO PROVIDE INFORMATION REGARDING BUS TYPE, LENGTH, AND QUANTITY OF BUSES TO BE SERVICED BY BUS STOP.
2. FOR MULTIPLE BUSES BEING SERVED AT ONE STOP:
 - 2.A. ADD 50 FEET FOR EACH ADDITIONAL STANDARD 40-FOOT BUS.
 - 2.B. ADD 70 FEET FOR EACH ADDITIONAL 60-FOOT ARTICULATED BUS.
3. BUS STOP ZONE SHALL BE SIGNED AS A NO PARKING ZONE PER STANDARDS OF LOCAL JURISDICTION.
4. X = 65' MIN. FROM EDGE OF CROSSWALK OR END OF RADIUS, WHICHEVER IS GREATER.
5. Y = 20' MIN. FROM EDGE OF CROSSWALK OR END OF RADIUS, WHICHEVER IS GREATER.
6. Z = 35' MIN. FROM EDGE OF CROSSWALK OR END OF RADIUS, WHICHEVER IS GREATER.

MINIMUM DISTANCE BETWEEN A BUS STOP AND LEFT TURN (FT)

POSTED SPEED LIMIT	LANE CHANGES			
	1	2	3	4
30 MPH OR LESS	430	610	790	970
35 MPH	625	875	1125	1375
40 MPH	780	1080	1380	1680
45 MPH	1080	1430	1780	2130
50 MPH	1415	1865	2135	2765
55 MPH	1830	2380	2930	3480



**NO PARKING ZONES WITH TURN LANES
DETAIL**

C9

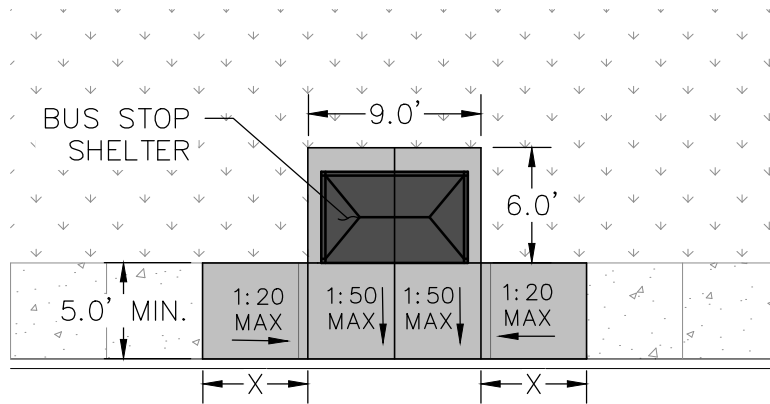
REV #	DATE	DESCRIPTION

BY EGW

DATE 09/27/22

CHECKED RDV

DATE 09/27/22

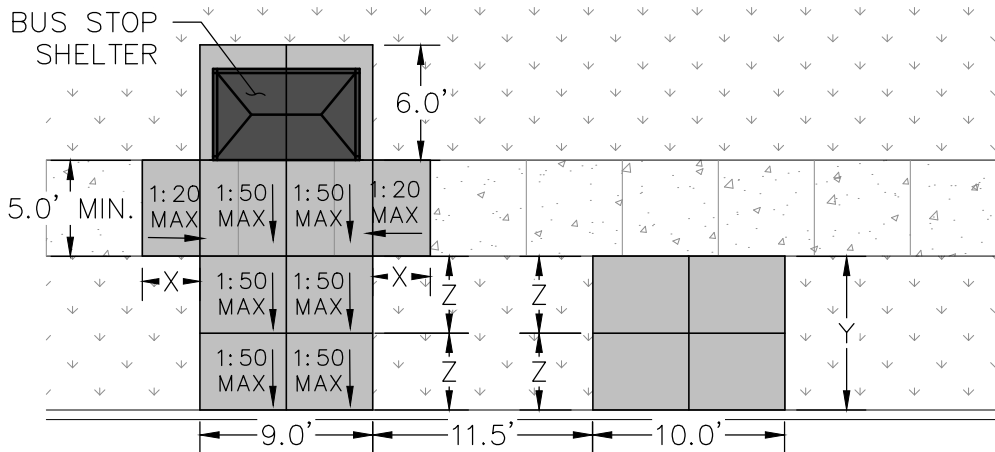


BUS SHELTER ON CURB-TIGHT SIDEWALK

NOT TO SCALE

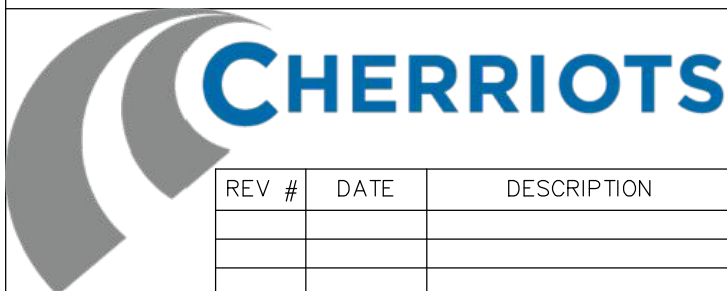
NOTES:

1. "X" WIDTH TO BE A MINIMUM OF 3.0' OR MATCH EXISTING SIDEWALK JOINT SPACING.
2. "Y" LENGTH TO BE EQUAL TO THE WIDTH OF THE PLANTER STRIP, FROM BACK OF CURB TO FRONT OF SIDEWALK.
3. JOINT SPACING, "Z" SHALL BE 3' MINIMUM, 6' MAXIMUM. PROVIDE SIDEWALK PANELS THAT ARE AS SQUARE AS POSSIBLE.
4. MATCH EXISTING WIDTH WHERE PROPOSED BUS STOP PANELS CONNECT TO THE EXISTING WALK.
5. BUS STOP SHELTER TO BE STANDARD BRASCO BUS STOP SHELTER, UNLESS OTHERWISE APPROVED BY CHERRIOTS.
6. BUS STOP SHELTER TO BE CONSTRUCTED AT BACK OF EXISTING WALK.



BUS SHELTER ON SIDEWALK WITH PLANTER STRIP

NOT TO SCALE



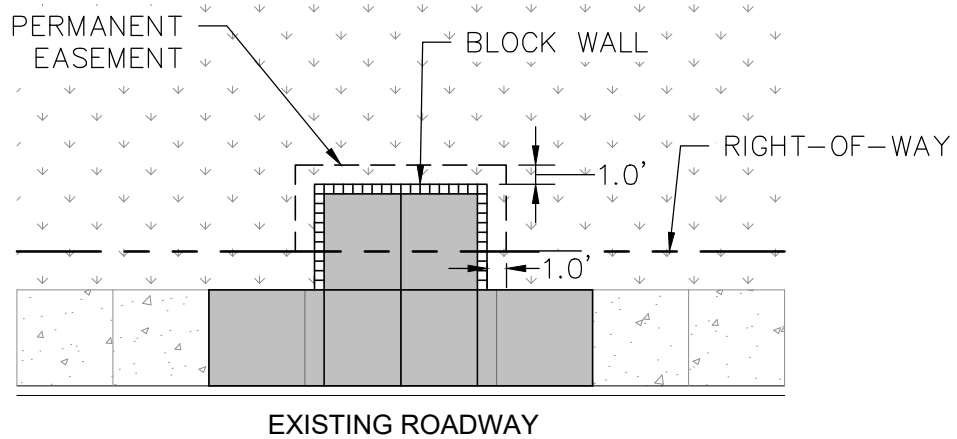
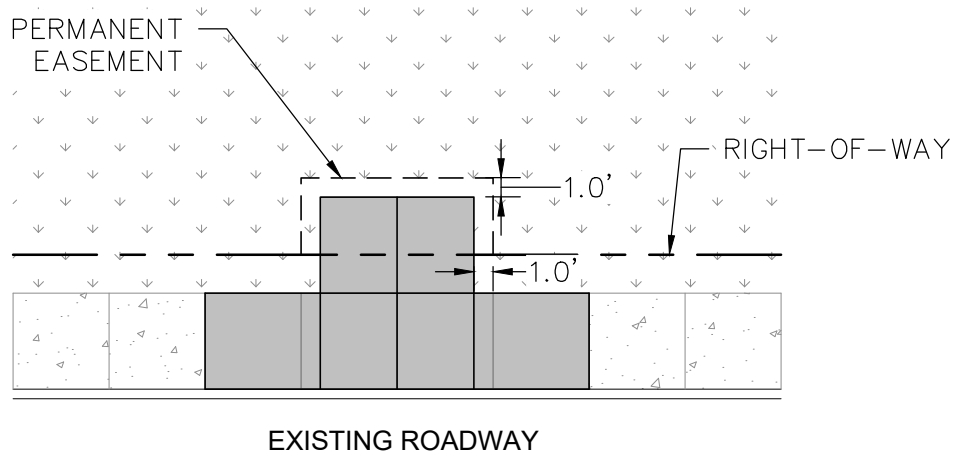
BUS STOP WITH SHELTER DETAIL

C10

REV #	DATE	DESCRIPTION

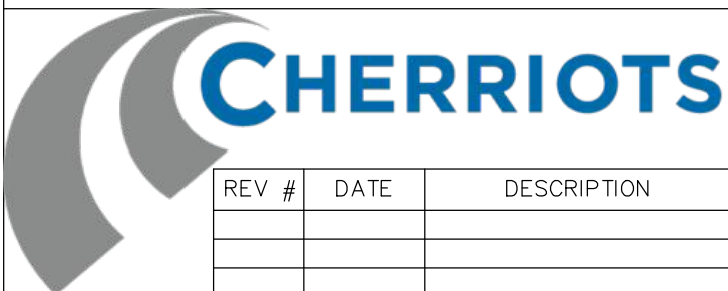
BY EGW
DATE 03/03/22

CHECKED RDV
DATE 03/03/22



NOTES:

1. PERMANENT EASEMENT IS REQUIRED WHEN EXTENTS OF DESIGN ENCROACH UPON RIGHT-OF-WAY.
2. PERMANENT EASEMENTS ARE TO BE A MINIMUM OF 1' OFFSET FROM THE PROPOSED CONSTRUCTION EXTENTS THAT FALL OUTSIDE OF RIGHT-OF-WAY.



PERMANENT EASEMENT DETAIL

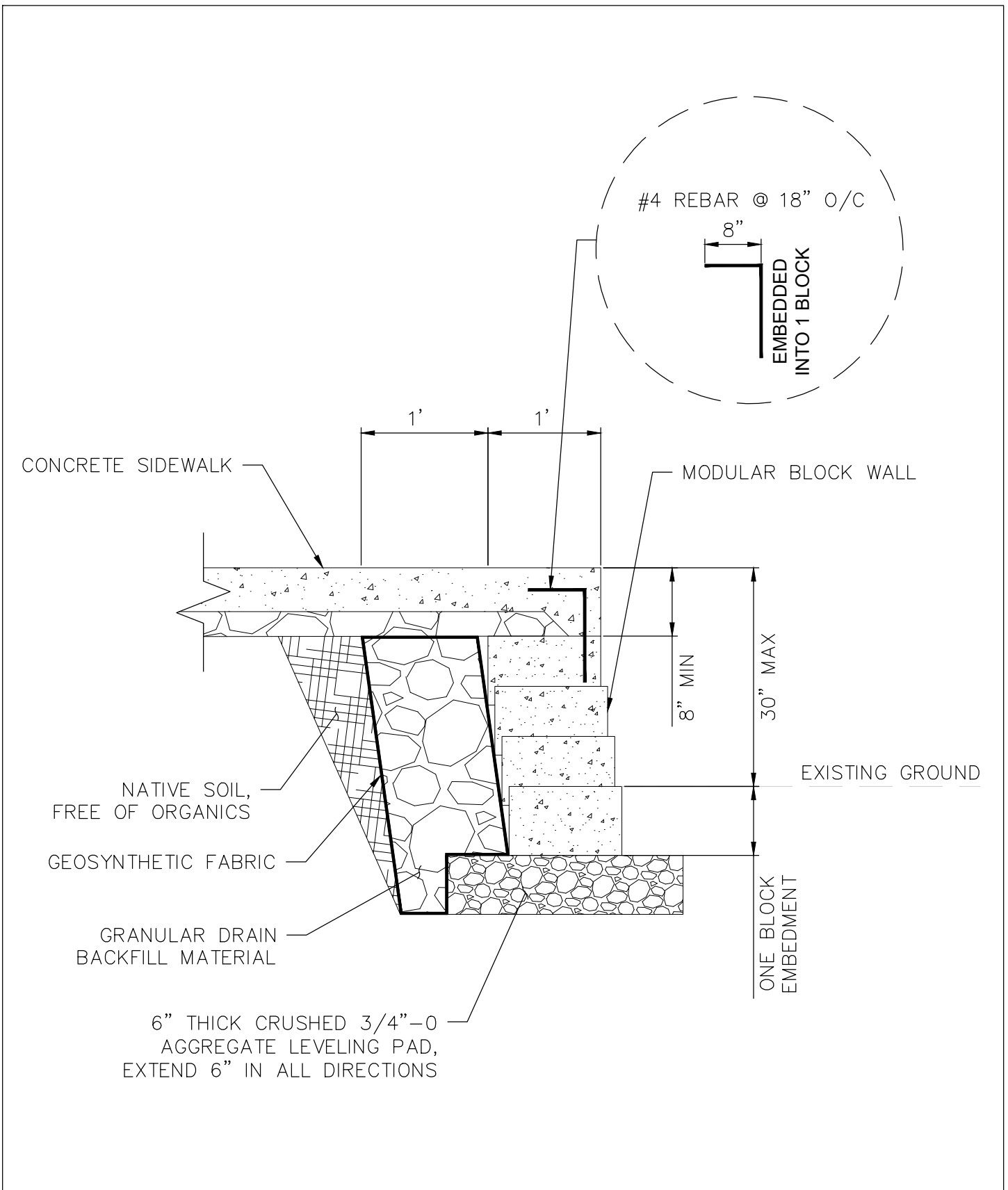
BY EGW

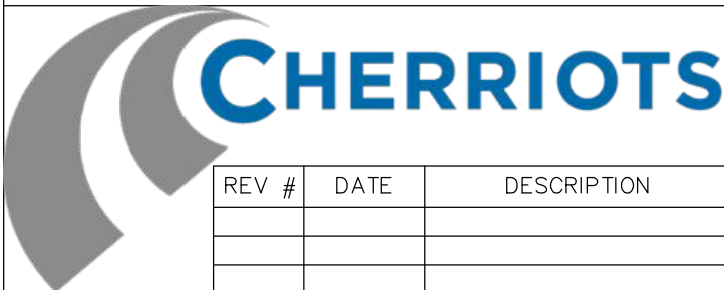
DATE 03/03/22

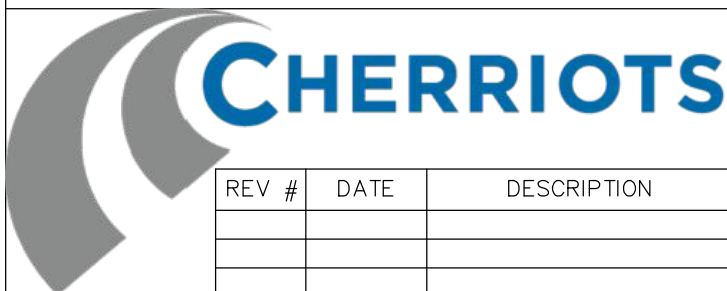
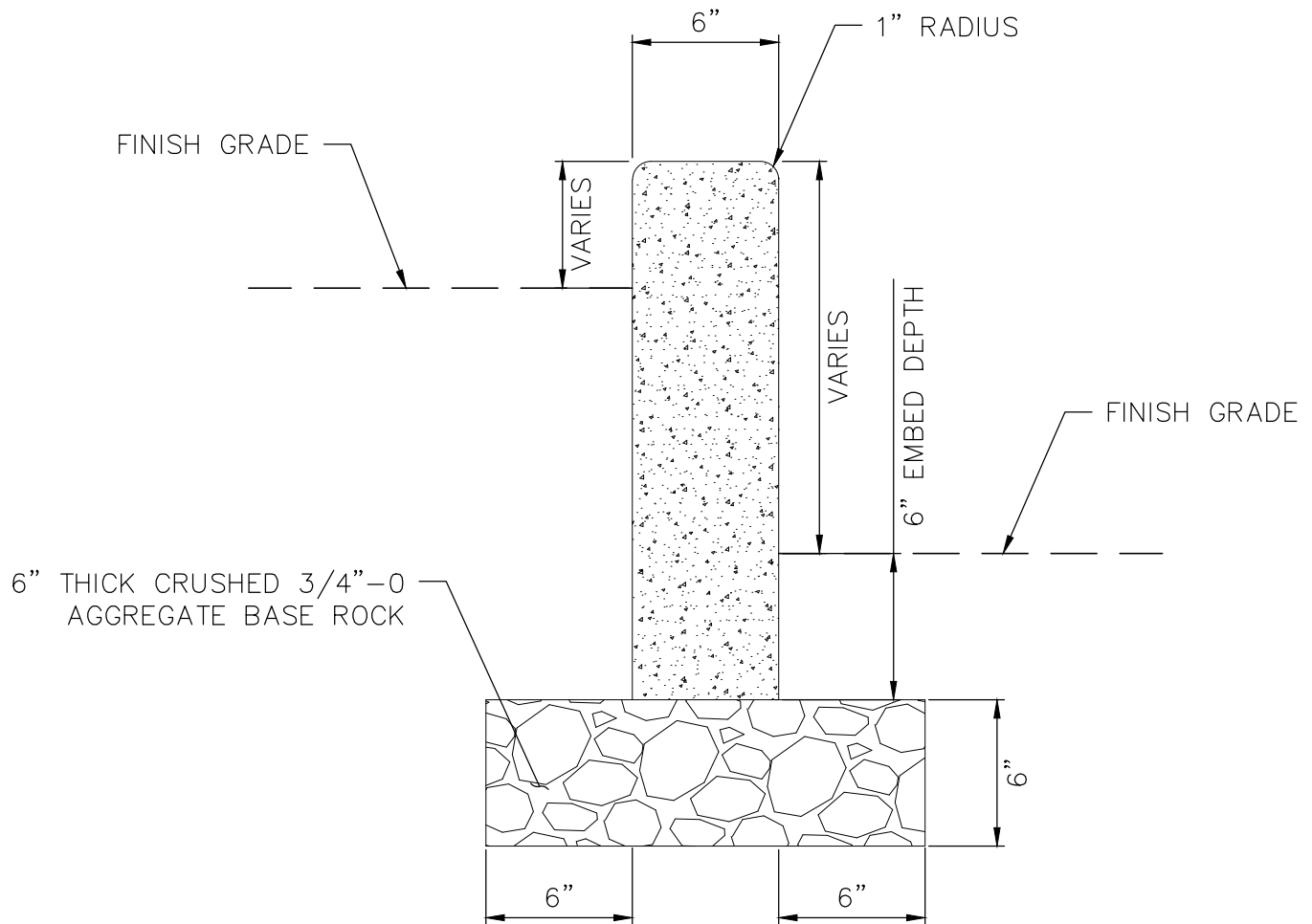
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DATE 03/03/22

C11



			BELOW-GRADE WALL DETAIL		C12
REV #	DATE	DESCRIPTION	BY EGW	CHECKED RDV	
			DATE 03/03/22	DATE 03/03/22	



PEDESTRIAN CURB DETAIL

C13

REV #	DATE	DESCRIPTION

BY EGW
DATE 03/03/22

CHECKED RDV
DATE 03/03/22