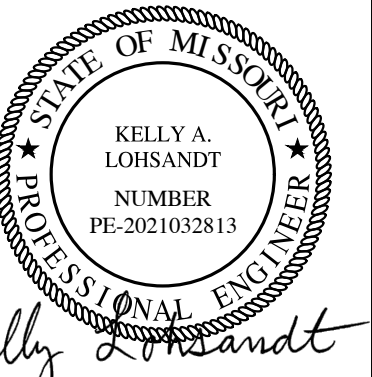


10/20/2022



KELLY A. LOHSANDT  
PROFESSIONAL ENGINEER  
PE-2021032813

IF ORIGINAL SIGNATURE OR DIGITAL AUTHENTICATION IS NOT PRESENT THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT.

Date  
**JULY 27, 2022**

Revised  
① CITY COMMENTS OCT. 5, 2022  
② CITY COMMENTS OCT. 20, 2022

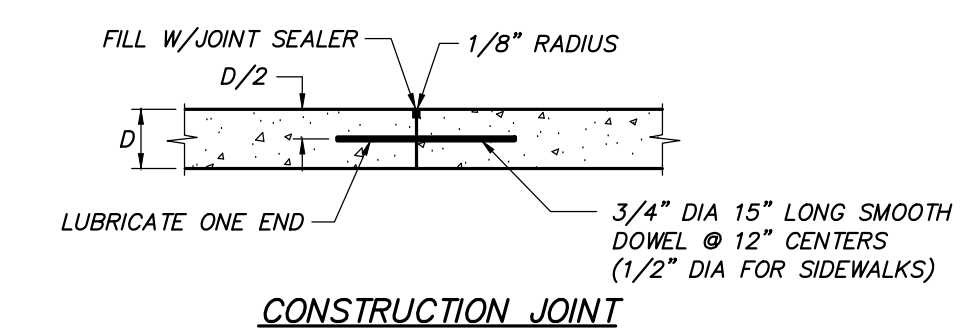
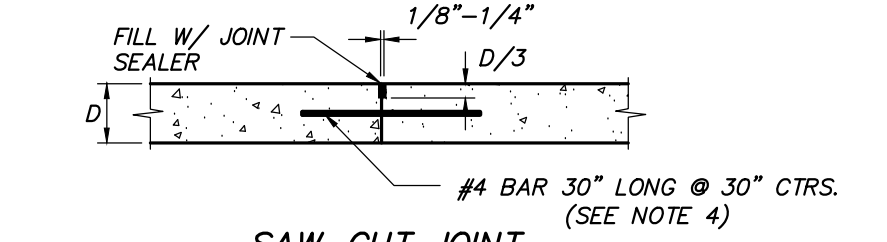
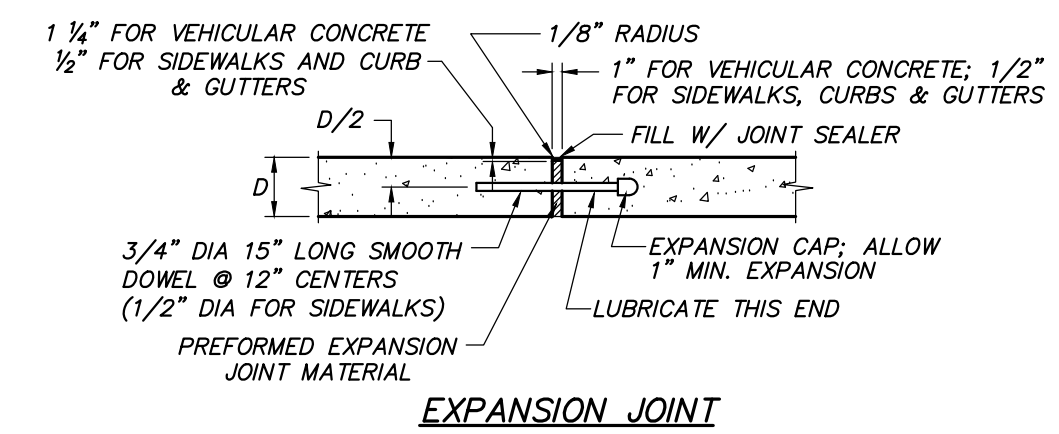
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SITE DETAILS

Sheet

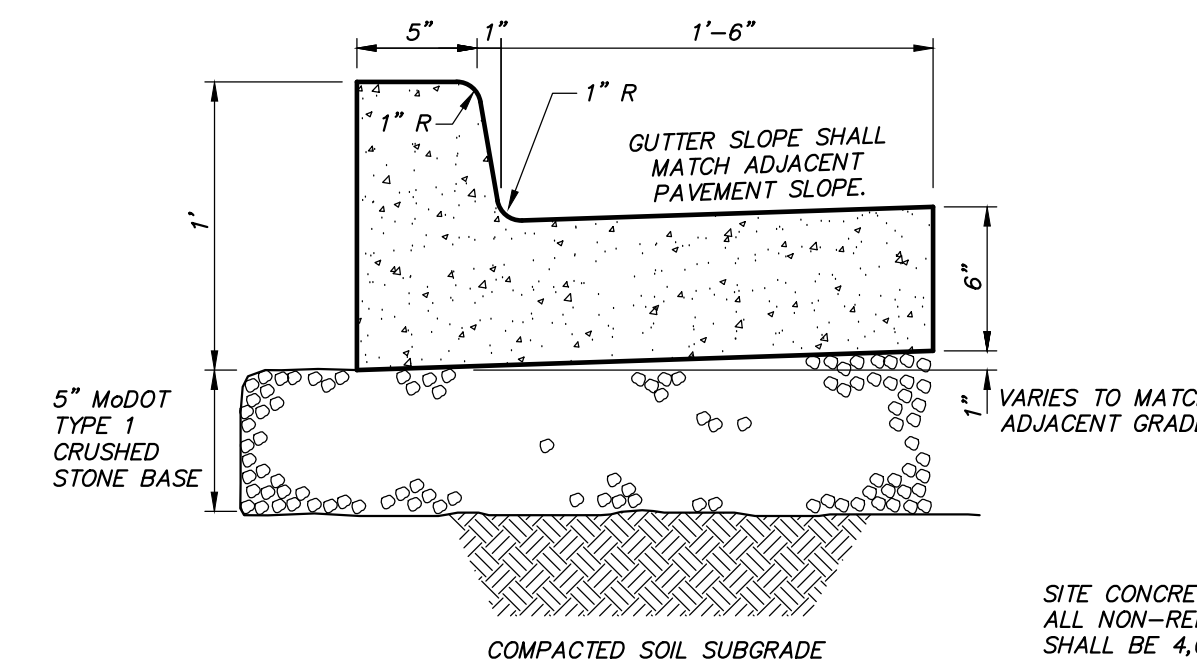
**C10.02**

ESS&S PROJECT NO. 15511



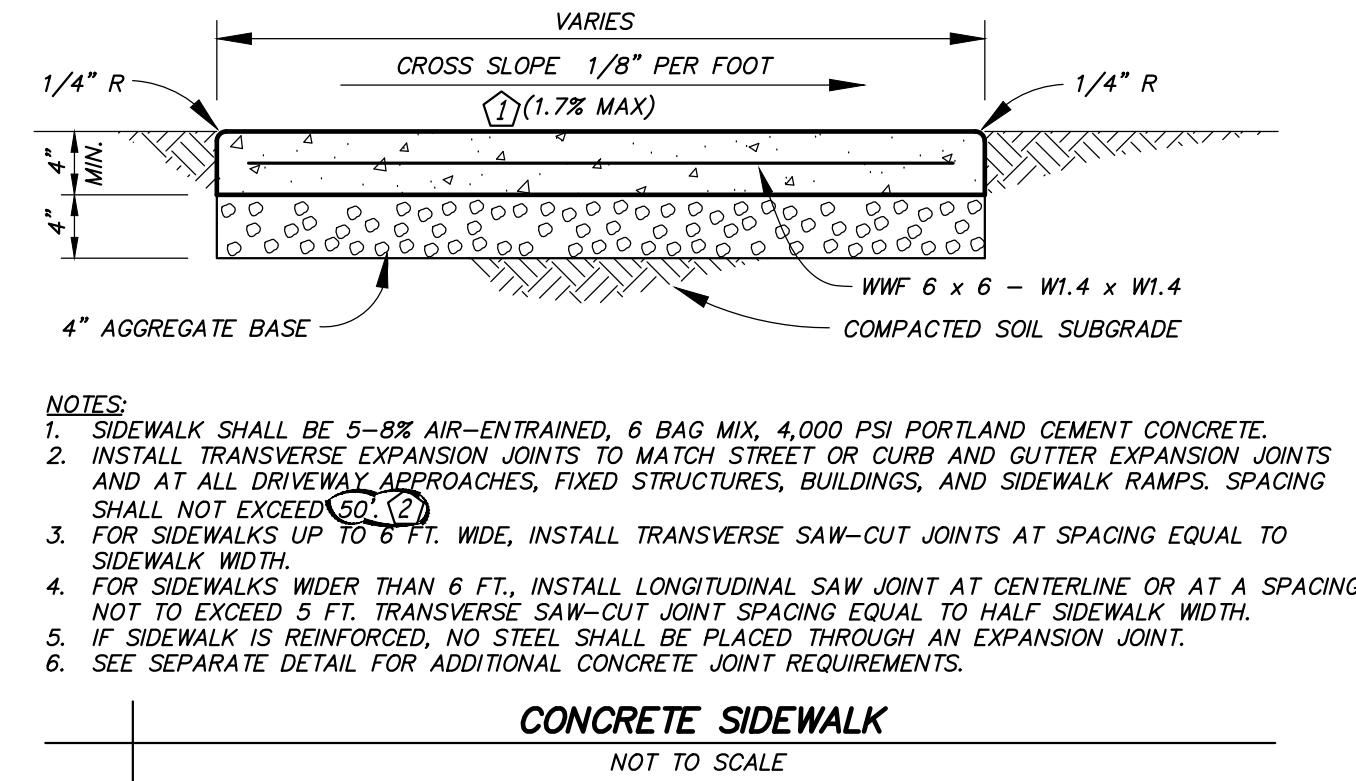
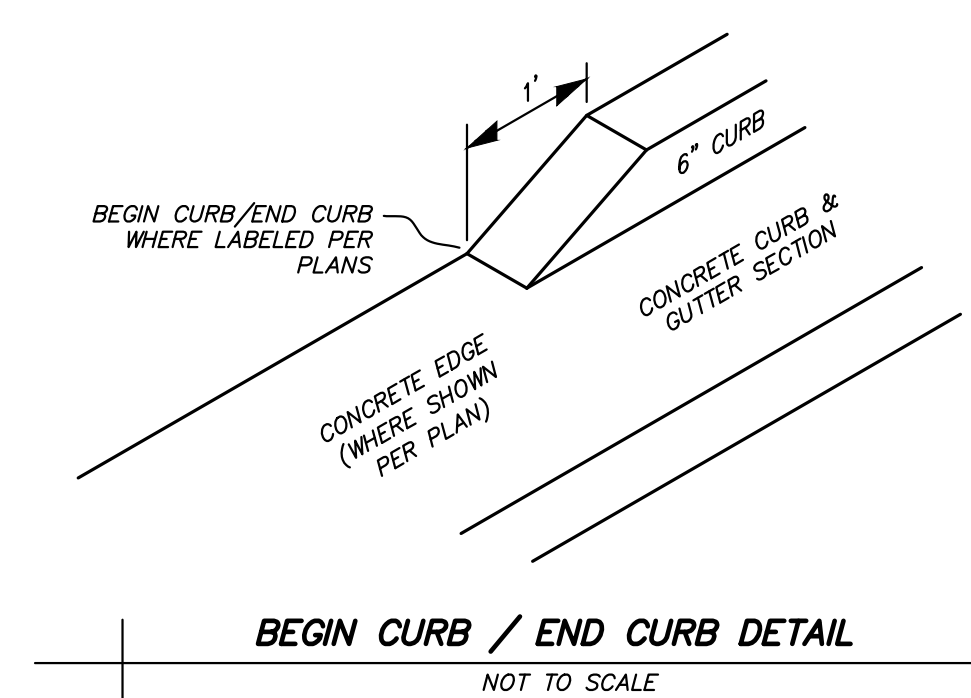
- NOTES:**
- PRIOR TO CONSTRUCTION, CONTRACTOR SHALL SUBMIT A PAVEMENT JOINT PLAN OF ALL CONCRETE PAVEMENT FOR APPROVAL.
  - CONCRETE PAVEMENT SHALL HAVE SAW-CUT OR CONSTRUCTION JOINTS EVERY 10 FEET FOR 4 INCH THICK PAVEMENT, 12 FEET FOR 5 INCH THICK PAVEMENT, AND 15 FEET FOR 6 INCH THICK PAVEMENT OR GREATER. PANELS SHALL BE CUT SUCH THAT PANELS ARE NEARLY SQUARE AND DO NOT EXCEED 100 SQUARE FEET IN AREA OR 1.4 LENGTH TO WIDTH RATIO. EXPANSION JOINTS SHALL BE PROVIDED AT ALL FIXED STRUCTURES, SUCH AS: LIGHT STANDARD FOUNDATIONS, SEWER STRUCTURES, BUILDINGS, WALLS, BOTTOM OF STAIRS, ROOF DRAINS, ETC. AND EVERY 50 FEET MAXIMUM. DOWEL BARS SHALL BE PROVIDED AT TRANSVERSE JOINTS IN ALL HEAVY DUTY PAVEMENT DRIVE AISLES.
  - THIS DETAIL APPLIES TO ALL CONCRETE PAVEMENT FOR PARKING LOTS, DRIVE/ACCESS AISLES, CURBS & GUTTERS, AND SIDEWALKS.
  - INCLUDE BAR WITH TRANSVERSE SAW-CUT JOINTS FOR HEAVY DUTY PAVEMENT. OMIT BAR WITH SAW-CUT JOINTS FOR STANDARD DUTY PAVEMENT AND SIDEWALKS.
  - PROVIDE CONSTRUCTION JOINT AT END OF DAYS WORK OR IF CONCRETE PLACEMENT IS SUSPENDED FOR MORE THAN 30 MINUTES.
  - SAW-CUT JOINTS SHALL BE CUT WITHIN 12 HOURS OF INITIAL SET OF CONCRETE. RAVEAUED JOINTS WILL NOT BE ACCEPTED.
  - ELASTOMERIC POLYURETHANE JOINT SEALANT IS REQUIRED FOR ALL JOINTS AND SHALL BE LIGHT GRAY IN COLOR.
  - OMIT DOWEL BARS FOR EXPANSION JOINTS AT BUILDINGS, LIGHT STANDARDS, AND ROOF DRAINS.

**CONCRETE PAVEMENT JOINTS**  
NOT TO SCALE

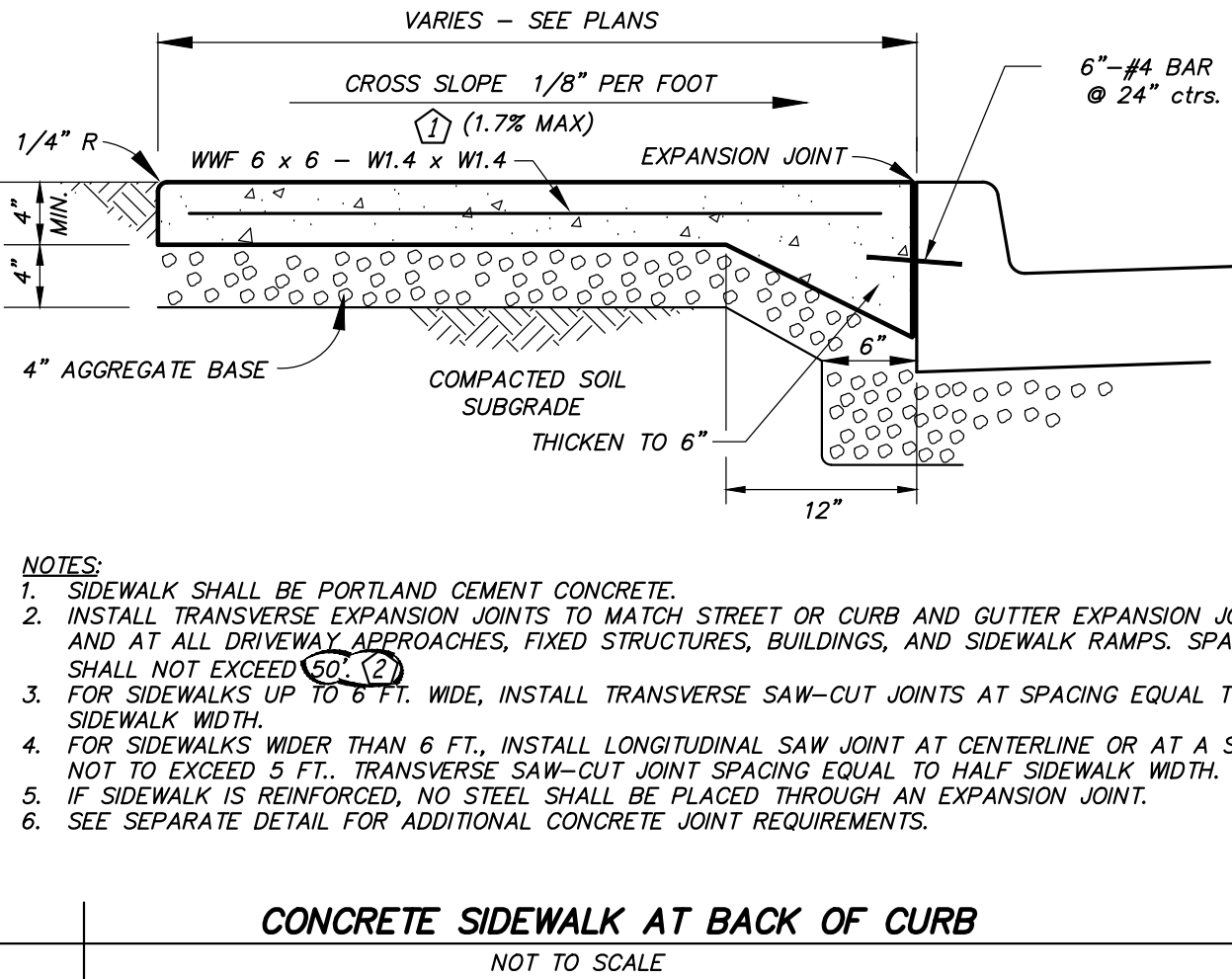


- NOTES:**
- CURB AND GUTTER MAY BE INTEGRAL IF CONCRETE PAVEMENT IS USED.
  - INSTALL TRANSVERSE EXPANSION JOINTS TO MATCH ADJACENT PAVEMENT OR AT EVERY 50' MAX.
  - INSTALL SAW-CUT JOINTS TO MATCH ADJACENT PAVEMENT OR EVERY 10' MAX.
  - SAW-CUT JOINTS SHALL EXTEND THROUGH THE ENTIRE CURB SECTION FROM THE TOP OF CURB TO A DEPTH OF 2" BELOW THE GUTTER SURFACE.

**6" CONCRETE CURB & GUTTER SECTION**  
NOT TO SCALE

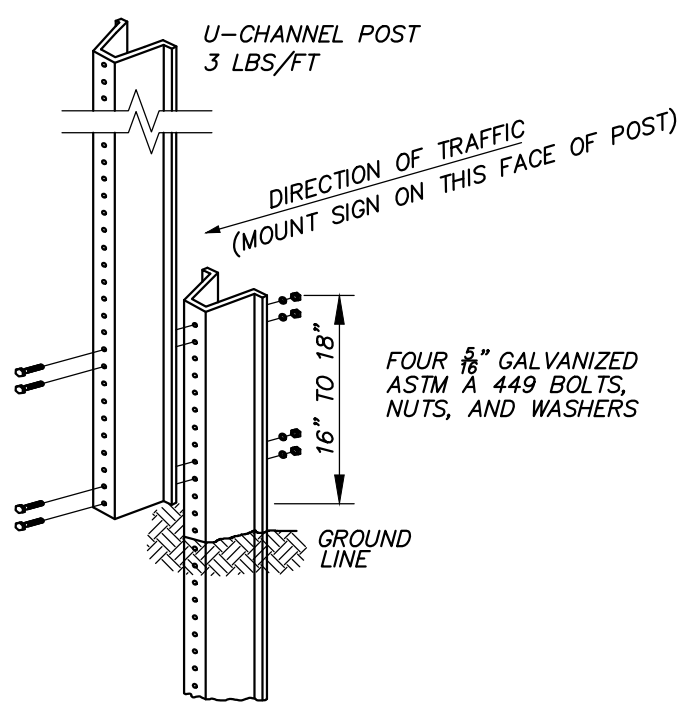


- NOTES:**
- SIDEWALK SHALL BE 5-8% AIR-ENTRAINED, 6 BAG MIX, 4,000 PSI PORTLAND CEMENT CONCRETE.
  - INSTALL TRANSVERSE EXPANSION JOINTS TO MATCH STREET OR CURB AND GUTTER EXPANSION JOINTS AND AT ALL DRIVEWAY APPROACHES, FIXED STRUCTURES, BUILDINGS, AND SIDEWALK RAMPS. SPACING SHALL NOT EXCEED 50'.
  - FOR SIDEWALKS UP TO 6 FT. WIDE, INSTALL TRANSVERSE SAW-CUT JOINTS AT SPACING EQUAL TO SIDEWALK WIDTH.
  - FOR SIDEWALKS WIDER THAN 6 FT., INSTALL LONGITUDINAL SAW JOINT AT CENTERLINE OR AT A SPACING NOT TO EXCEED 5 FT. TRANSVERSE SAW-CUT JOINT SPACING EQUAL TO HALF SIDEWALK WIDTH.
  - IF SIDEWALK IS REINFORCED, NO STEEL SHALL BE PLACED THROUGH AN EXPANSION JOINT.
  - SEE SEPARATE DETAIL FOR ADDITIONAL CONCRETE JOINT REQUIREMENTS.



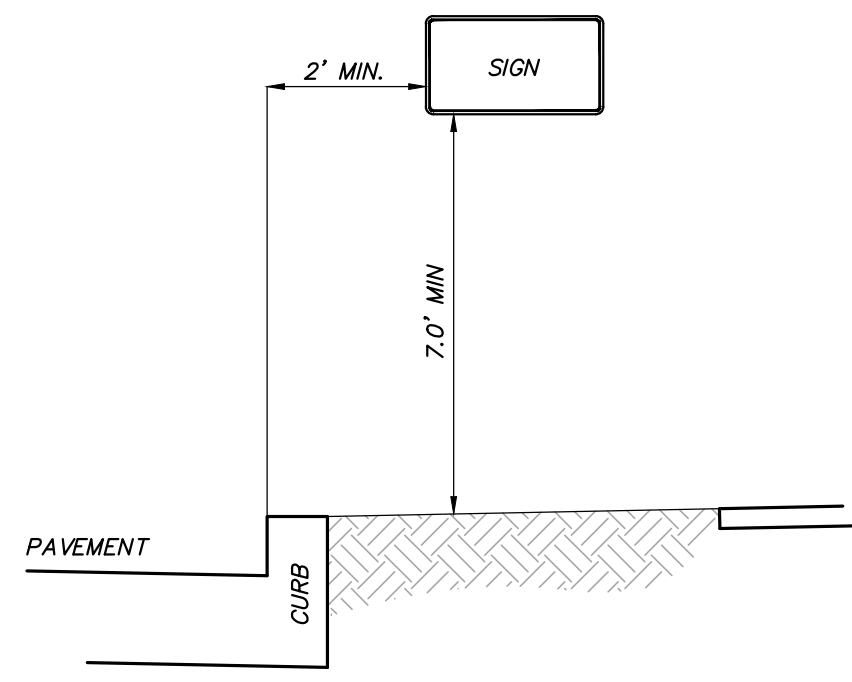
- NOTES:**
- SIDEWALK SHALL BE PORTLAND CEMENT CONCRETE.
  - INSTALL TRANSVERSE EXPANSION JOINTS TO MATCH STREET OR CURB AND GUTTER EXPANSION JOINTS AND AT ALL DRIVEWAY APPROACHES, FIXED STRUCTURES, BUILDINGS, AND SIDEWALK RAMPS. SPACING SHALL NOT EXCEED 50'.
  - FOR SIDEWALKS UP TO 6 FT. WIDE, INSTALL TRANSVERSE SAW-CUT JOINTS AT SPACING EQUAL TO SIDEWALK WIDTH.
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  - IF SIDEWALK IS REINFORCED, NO STEEL SHALL BE PLACED THROUGH AN EXPANSION JOINT.
  - SEE SEPARATE DETAIL FOR ADDITIONAL CONCRETE JOINT REQUIREMENTS.

**CONCRETE SIDEWALK AT BACK OF CURB**  
NOT TO SCALE

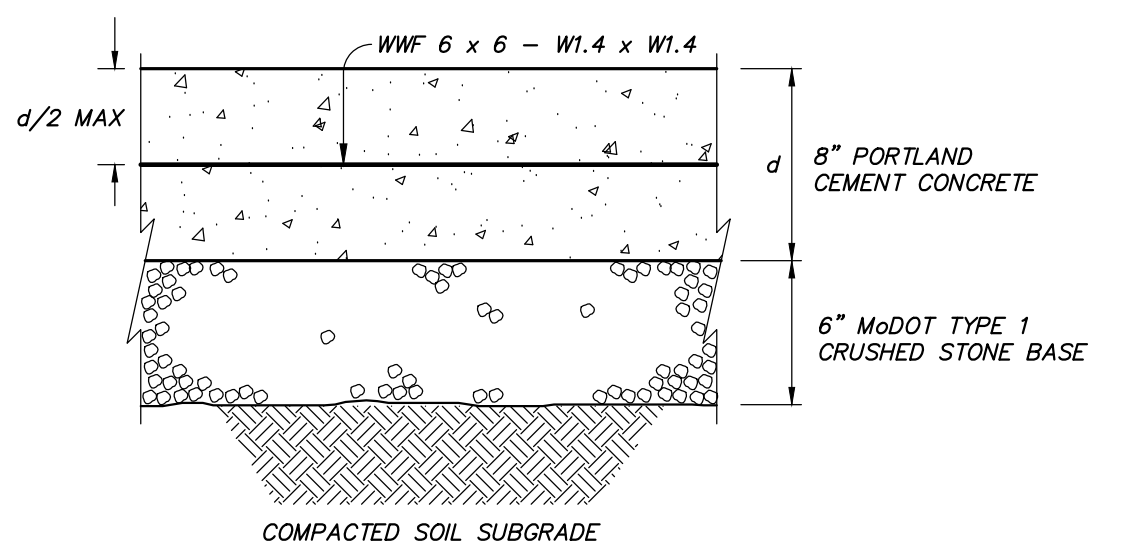


- NOTES:**
- STUB HEIGHT AND SPLICE LAP SHALL BE 16" TO 18".
  - SPLICE SHALL NOT EXTEND BELOW THE GROUND.
  - ONLY ONE SPLICE WILL BE ALLOWED PER POST.
  - USE OF SPLICE IS OPTIONAL.
  - ALL POSTS SHALL BE EMBEDDED A MINIMUM OF 3 FEET.
  - SIGNS SHALL BE 7" MIN. FROM FINISH GRADE TO BOTTOM OF LOWEST MOUNTED SIGN.
  - ALL SIGN POSTS ARE TO BE PAINTED BLACK.

**SIGN POST DETAIL**  
NOT TO SCALE

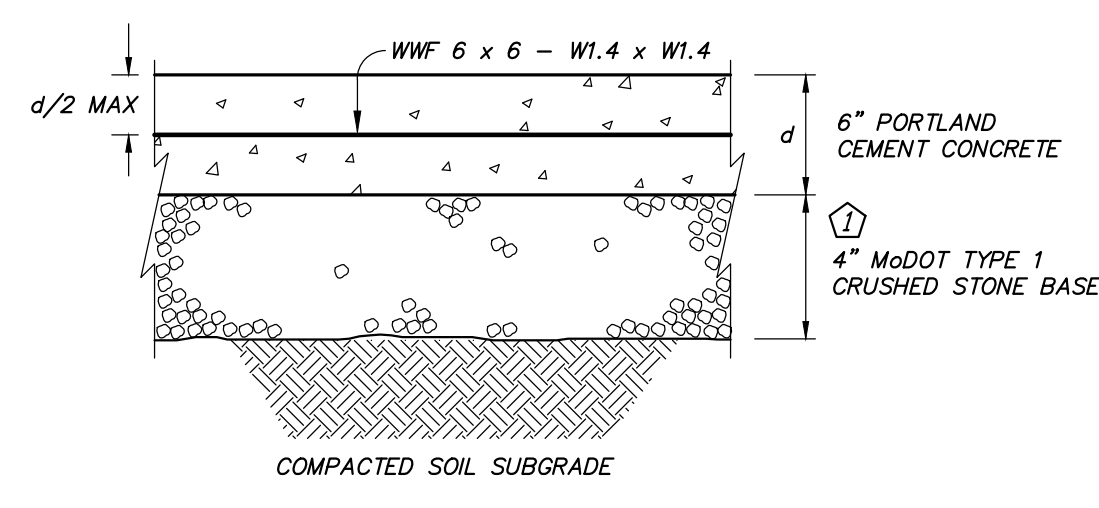


**TYPICAL SIGN PLACEMENT**  
NOT TO SCALE



NOTE: TOP OF REINFORCEMENT SHALL BE A MINIMUM OF 2" BELOW THE TOP OF PAVEMENT.

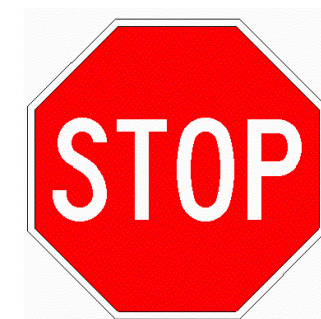
**HEAVY DUTY CONCRETE PAVEMENT**  
NOT TO SCALE



NOTE: TOP OF REINFORCEMENT SHALL BE A MINIMUM OF 2" BELOW THE TOP OF PAVEMENT.

**STANDARD DUTY CONCRETE PAVEMENT**  
NOT TO SCALE

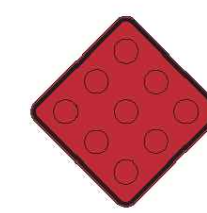
**SITE CONCRETE NOTE**  
ALL NON-REINFORCED CONCRETE SHALL BE 4,000 PSI AT 28 DAYS



NOTE: ALL SIGN BACKS ARE TO BE PAINTED BLACK.  
**R1-1 "STOP" SIGN**  
NOT TO SCALE



**R2-1 "SPEED LIMIT 15" SIGN**  
NOT TO SCALE

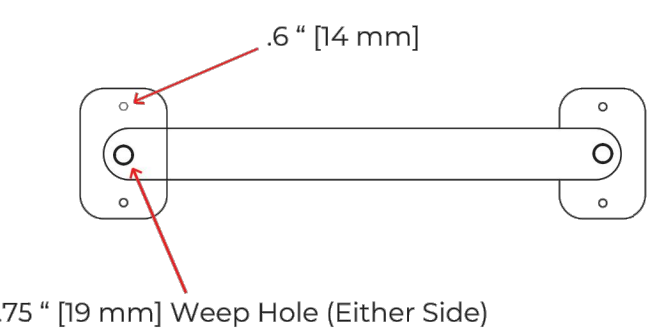
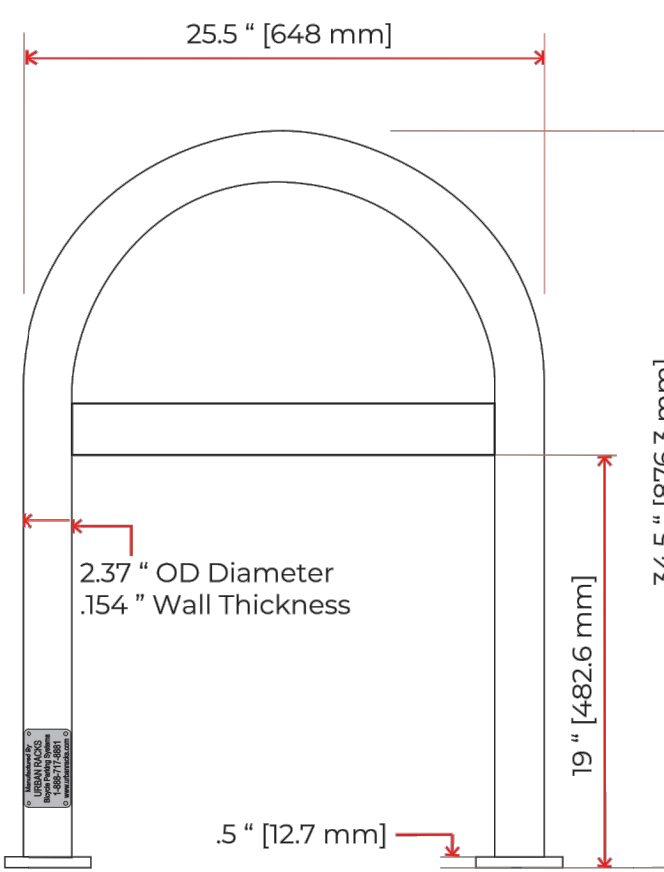


**OM4-1 "END OF ROAD" SIGN**  
NOT TO SCALE



**R8-31 "NO PARKING FIRE LANE" SIGN**  
NOT TO SCALE

**Urban Staple**



**URBAN RACKS**  
INNOVATIVE | BICYCLE PARKING

Spacing	
Recommended Spacing	30" [762 mm]
Minimum Spacing	24" [610 mm]
Weight	
Total Weight	32 lbs [14.5kg]
Materials	
Assembly Material	Schedule 40 Steel
Pipe Diameter	2.37" [60.2 mm]
Pipe Wall Thickness	0.154" [3.91 mm]
Post-consumer recycled content	70-90%
Pre-consumer recycled content	5-7%

- Anti-theft Feature  
Optional Tamper-proof Security Anchors
- Available Finishes  
Powder Coated  
Hot-Dipped Galvanized  
304 Stainless Steel

Customization Available

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**EVERGREEN 4'** **Direct Fencing Supply** www.vinylfencingcanada.ca  
1-888-751-5324

Material per 8' section			
Item	Dimension	Thickness	Qty
Post	5" x 5" x 54"	0.150"	1
Rail	2" x 3 1/2" x 93 2/5"	0.11"	1
	2" x 6" x 93 2/5"	0.11"	1
Picket	7/8" x 3" x 44 1/2"	0.051"	15
Steel Pipe	2 3/8" x 96"	0.080"	1
Top Rail Tie	5" x 5"	0.150"	1
Collar	5" x 5"	2	
Alum	93 2/5"	1	
Post Cap	Flat Cap	1	

