



5.0% MAX (4.5% DESIGN) AT NON-STOP CONTROLLED INTERSECTION - 0.5% MIN  
 2.0% TYPICAL  
**NOTES:**

1. PEDESTRIAN REFUGE OPENING TO MATCH THE WIDTH OF THE CURB RAMPS OR SIDEWALKS COMING INTO THE INTERSECTION, BUT NOT LESS THAN 6 FEET WIDE.
2. INSTALL CURB PER CITY STANDARD R-3. FULL HEIGHT CURB (DEPENDENT ON THE STREET CLASSIFICATION) OUTSIDE THE BULL NOSE / VERTICAL TAPER SECTIONS OF THE ISLAND.
3. TAPER TO BE  $\frac{1}{2} \times X$  OR AS NEEDED TO TERMINATE THE ISLAND WITH A 4' MIN BULLNOSE.
4. INSTALL R1-6A AND R4-7 (R1-6A OR R1-6C SIGNS FOR SCHOOL ZONES) SIGNS BACK TO BACK ON SIGN POST ADJACENT TO THE PED REFUGE. INSTALL AN ADDITIONAL POST PER COB STANDARD R-7A FOR INSTALLATION OF A SECOND R4-7 SIGN IF THE ISLAND EXCEEDS 40 FEET IN TOTAL LENGTH, OR AS DIRECTED BY THE CITY ENGINEER.
5. ISLANDS ARE NOT TO BE DOWELED INTO ROADWAYS UNLESS APPROVED BY THE CITY ENGINEER.
6. INSTALL 36" YELLOW TUBULAR FLEXSTAKE TM 750, OR APPROVED EQUAL, WITH TWO REFLECTIVE STRIPS DELINEATOR ON THE END OF THE BULLNOSE. OFFSET TO AVOID BLOCKING THE R1-6A SIGN. USE CONCRETE ANCHORS (REDHEAD OR EQUIVALENT).
7. INSTALL RETROREFLECTIVE YELLOW CURB MARKINGS ON TOP OF CURB AT 3' MAX SPACING AROUND MEDIAN NOSE AND AT 15' SPACING TO AND BEYOND TAPER SECTION AS SHOWN.
8. PLACEMENT OF ISLAND WILL BE BASED ON A WB-50 TURNING TEMPLATE. LARGER RADII MAY BE REQUIRED BY CITY ENGINEER TO FIT CONTEXT, SUCH AS INDUSTRIAL OR RESIDENTIAL AREA.

DRAWN CJH	
DIV ROADWAY	
REV	DATE



**CITY OF BEND**  
 STANDARD DRAWING  
 710 NW WALL ST., BEND, OREGON 97701  
**PEDESTRIAN REFUGE ISLAND**

SCALE NTS
DATE 11/01/2024
APPR
STD DWG R-46