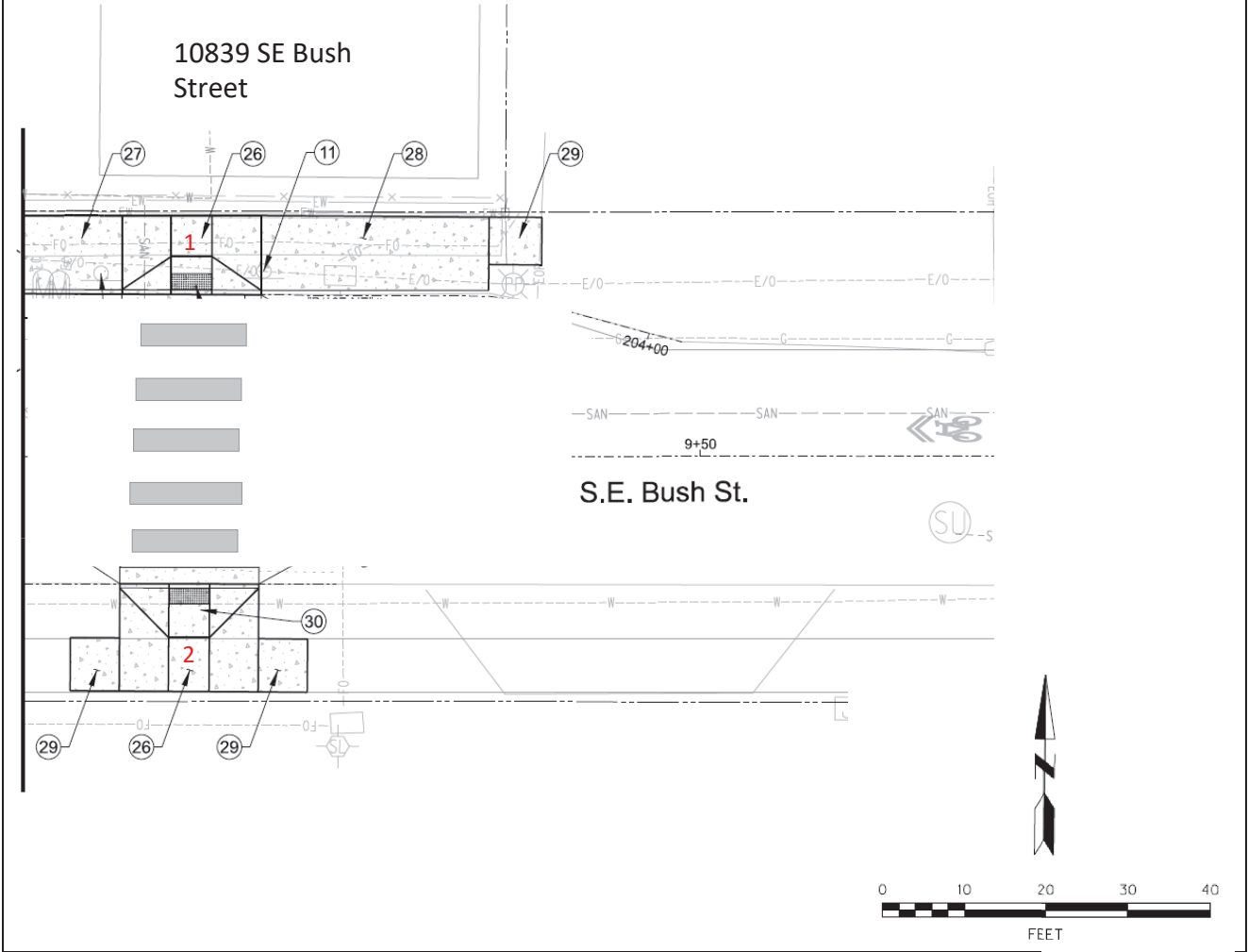




ADA CURB RAMP DESIGN REPORT

PROJECT NAME:	SE Bush St. Sidewalk Infill	PROJECT (PERMIT) NO.:	T00948
DESIGNER:	Nicole Blanchard/Tim Knighton	ENGINEER OF RECORD:	Nicole Blanchard
I. LOCATION (INTERSECTION)	10839 SE Bush Street	<input type="checkbox"/> Check This Box if MEF Applies	

Sketch Curb Ramps (or paste plan view) below
 Assign each curb ramp a reference number
 Note the nearby location of mid-block crossings



II. DESIGN CRITERIA FOR NEW RAMPS

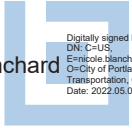
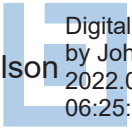
1	2	3	4	5	6	7	8	CHECK <input checked="" type="checkbox"/> IF ELEMENT MET
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A. SINGLE RAMP PROVIDES ONE DIRECTION OF TRAVEL (RAMP IS NOT DIAGONAL)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	B. RAMP IS PERPENDICULAR TO CURB LINE
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	C. BOTTOM OF RAMP AS IT INTERSECTS WITH THE STREET IS COMPLETELY WITHIN THE LEGAL CROSSING
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	D. MAX (DESIGN) RAMP RUNNING GRADE IS 7.2%
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	E. MIN DIMENSIONS OF LEVEL LANDING AT TOP OF RAMP IS 4.0' X 4.0' (PROVIDE AN ADDITIONAL FOOT FOR CLEARANCE ADJACENT TO VERTICAL OBSTRUCTIONS SUCH AS CURBS, WALLS, FENCES, POLES, ETC.)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	F. MIN RAMP THROAT WIDTH IS 4' (EXCLUDING FLARES OR WINGS)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	G. MAX RAMP FLARE (WING) IS 6' LONG FOR A 6" CURB EXPOSURE (OR EQUIVALENT RATIO; CURB RETURN MEETS THIS REQUIREMENT IF ADJACENT TO SOFTSCAPE OR COMPLETE LENGTH OF RAMP IS PHYSICALLY BLOCKED)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	H. MAX (DESIGN) STREET GUTTER GRADE AT BOTTOM OF RAMP IS 1.5%
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I. MAX (DESIGN) STREET CROSS SLOPE AT BOTTOM OF RAMP IS 4%. (THIS APPLIES TO GUTTERS AND ROAD SURFACES WITHIN 2' OF A CURB RAMP, MEASURED PERPENDICULAR TO THE CURB)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	J. MAX (DESIGN) STREET TO RAMP GRADE BREAK DIFFERENCE IS 10%
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	K. SIDEWALK TRANSITION (PANELS) RUNNING GRADE TO LANDING FROM BOTH DIRECTIONS ARE 8.33% ABSOLUTE OR LESS, OR 15 FEET RUNNING LENGTH
FOR DIAGONAL RAMPS ONLY								
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L. IF DIAGONAL, RAMP LANDING (MINIMUM 4' X 4') AT BOTTOM OF RAMP IN THE STREET IS OUTSIDE OF THE VEHICULAR TRAVELED WAY (INCLUDING BIKE LANES) AND 1.5% IN ALL DIRECTIONS.
FOR RAMPS WITH PED BUTTON ONLY (COORDINATE PUSH BUTTON PLACEMENT WITH SSL ENGINEERING)								
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	M. UNOBSTRUCTED AND ADJACENT TO A LEVEL ALL-WEATHER SURFACE. FOR PUSH BUTTON INSTALLED ON STAND-ALONE POLE, SKIRT OF POLE IS COMPLETELY OUTSIDE OF TOP OF RAMP LANDING.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N. IS IN OR WITHIN 5 FEET LONGITUDINALLY (ALONG CURB ALIGNMENT) OF THE OUTSIDE LIMITS OF THE MARKED (OR LEGAL UNMARKED) CROSSING.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	O. WITHIN 10 FEET FROM FACE OF CURB, SHOULDER, OR EDGE OF PAVEMENT.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	P. FACE IS PARALLEL TO THE CROSSWALK TO BE USED
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Q. CENTER OF PUSH BUTTON IS BETWEEN 3.5 – 4 FEET ABOVE THE ADJACENT WALKING SURFACE
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	R. WITHIN 10 INCHES OR LESS TO THE EDGE OF THE RAMP LANDING
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	S. IS AUDIBLE PEDESTRIAN SIGNAL (APS) AND PARALLEL TO THE DIRECTION OF THE CROSSING

III. IDENTIFY CORNERS THAT DO NOT MEET THE CRITERIA LISTED ON PAGE 2 OF THIS FORM.

- LIST THE CRITERIA THAT ARE NOT MET AND EXPLAIN WHY. DISCUSS UNIQUE DESIGNS. DESCRIBE MITIGATION OPTIONS.
- PROVIDE RECOMMENDATION FOR ADDING TO TRANSITION PLAN LIST.
- NOTE ON THIS FORM TRAFFIC ENGINEER'S NAME AND CONCURRENCE WHEN RAMP THROAT IS NOT ENTIRELY WITHIN THE LEGAL CROSSING AND/OR IF RAMP IS NOT PROPOSED AT EACH CROSSING AND THE INTERSECTION IS OTHERWISE ACCESSIBLE.

Ramps 1 & 2 to be fully ADA compliant. A marked crosswalk will establish the legal crosswalk.

APPROVALS: ADA TECHNICAL ADVISOR APPROVAL REQUIRED WHEN DESIGN CRITERIA ON PAGE 2 IS NOT MET, OR FOR UNIQUE DESIGNS SUCH AS DEPRESSED CORNERS AND RADIAL TRUNCATED DOMES.

	ENGINEER OF RECORD	SUP. ENGR (PBOT ONLY)	ADA TECHNICAL ADVISOR
NAME	 <p>Digitally signed by Nicole Blanchard DN: C=US, E=nicole.blanchard@portlandoregon.gov, O=City of Portland, OU=Bureau of Transportation, CN=Nicole Blanchard Date: 2022.05.02 18:34:10-07'00'</p>	 <p>Digitally Signed by John Wilson 2022.05.05 06:25:27-07'00'</p>	
DATE			
SIGNATURE			Nicole Blanchard