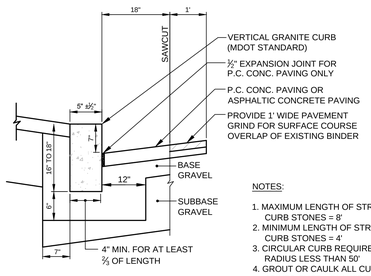
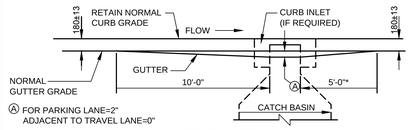


NOTES:

1. MAXIMUM LENGTH OF STRAIGHT CURB STONES = 8'
2. MINIMUM LENGTH OF STRAIGHT CURB STONES = 4'
3. CIRCULAR CURB REQUIRED FOR RADIUS LESS THAN 50'
4. GROUT OR CAULK ALL CURB JOINTS OVER ⅜" IN WIDTH. INSTALL STRIP OF FILTER FABRIC BEHIND EACH CURB JOINT.

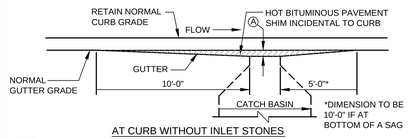
(A) VERTICAL GRANITE CURB DETAIL

N.T.S.



(A) FOR PARKING LANE=2" ADJACENT TO TRAVEL LANE=0"

AT CURB INLETS

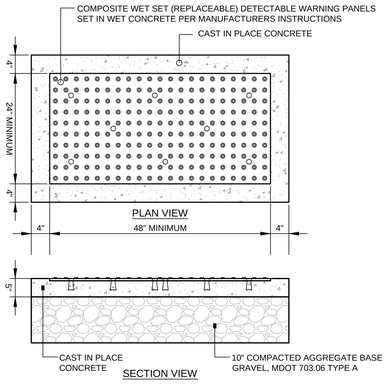


AT CURB WITHOUT INLET STONES

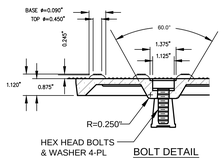
NOTE:
GRATES SHALL BE INSTALLED ON GRADIENT OF THE GUTTER AND BE DEPRESSED 50mm BELOW THE NORMAL GUTTER GRADE UNLESS THIS DEPRESSION INTERFERES WITH TRAFFIC.

(D) GUTTER GRADE TRANSITION AT CATCH BASIN

N.T.S.



SECTION VIEW



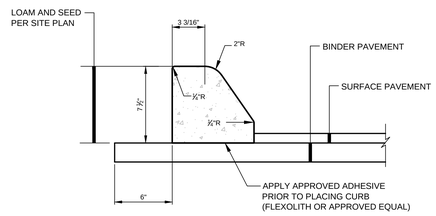
BOLT DETAIL

NOTES:

1. COMPOSITE WET SET (REPLACEABLE) DETECTABLE WARNING PANELS SHALL BE AS MANUFACTURED BY ADA SOLUTIONS, INC. (WWW.ADATILE.COM), OR APPROVED EQUAL.
2. CAST IN PLACE CONCRETE SHALL MEET SPECIFICATIONS FOR MAINE D.O.T. CLASS A STRUCTURAL CONCRETE, MINIMUM COMPRESSIVE STRENGTH 4,000 PSI.THE CONCRETE SHALL BE SEALED PRIOR TO SETTING PANELS. THE EXPOSED CONCRETE BORDER SHALL RECEIVE A GROOVED EDGE BETWEEN THE PANEL AND CONCRETE, ALONG WITH A UNIFORM BROOM FINISH PERPENDICULAR TO THE FLOW OF PEDESTRIAN TRAFFIC.
3. TRUNCATED DOMES SHALL BE ALIGNED IN ROWS, PARALLEL AND PERPENDICULAR TO THE PREDOMINANT DIRECTION OF TRAVEL. TRUNCATED DOME BRICKS AND GRANITE PAVERS ARE NOT ALLOWED.
4. FOR ALL DETECTABLE WARNING PANELS (EXCEPT AS SPECIFIED IN FIGURE I-7A AND TECHNICAL MANUAL SECTION 1.8.4.), FEDERAL YELLOW COLORED (#33538) PANELS SHALL BE USED. FOLLOW MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION.
5. SIZE: THE DETECTABLE WARNING PANEL(S) SHALL EXTEND 24 INCHES MINIMUM IN THE DIRECTION OF TRAVEL AND THE FULL WIDTH OF THE CURB RAMP, LANDING, OR BLENDED TRANSITION TO THE STREET.
6. ORIENTATION: THE DETECTABLE WARNING PANEL SHALL BE LOCATED SO THAT THE EDGE NEAREST THE CURB LINE IS 6 INCHES MINIMUM AND 8 INCHES MAXIMUM FROM THE CURB LINE. THE PANEL SHALL BE ORIENTED TO THE DIRECTION OF TRAVEL AS IDENTIFIED BY THE POINT OF EGRESS.

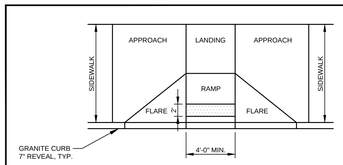
(B) DETECTABLE WARNING PAVER DETAIL

N.T.S.



(E) SLIPFORM CONCRETE CURB DETAIL - SLOPED MOLD

N.T.S.

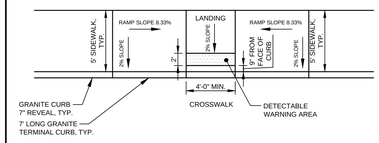


NOTES:

1. ALL RAMPS SHALL COMPLY WITH ADA STANDARDS.
2. GRANITE CURB ADJACENT TO RAMP SHALL BE FLUSH WITH STREET.

DESIGN ELEMENT	SLOPE IN DIRECTION OF TRAVEL	CROSS SLOPE
APPROACH	8.33% MAXIMUM	2%
LANDING	2%	2%
RAMP	8.33% MAXIMUM	MATCH STREET GRADE
FLARE	10% MAX. AT CURB FACE	-
SIDEWALK	MATCH STREET GRADE	2%

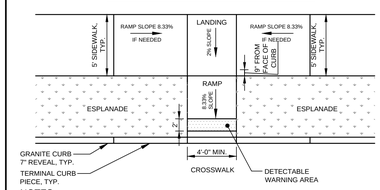
PERPENDICULAR ADA RAMP LAYOUT FOR WIDE SIDEWALK WITH NO ESPLANDE



NOTES:

1. ALL RAMPS SHALL COMPLY WITH ADA STANDARDS.
2. GRANITE CURB ADJACENT TO RAMP SHALL BE FLUSH WITH STREET.
3. SIDEWALK MATERIAL PER CITY SIDEWALK MATERIAL POLICY.

PARALLEL SIDEWALK RAMP LAYOUT FOR NARROW SIDEWALK WITH NO ESPLANDE



NOTES:

1. ALL RAMPS SHALL COMPLY WITH ADA STANDARDS.
2. GRANITE CURB ADJACENT TO RAMP SHALL BE FLUSH WITH STREET.
3. SIDEWALK MATERIAL PER CITY SIDEWALK MATERIAL POLICY.

PERPENDICULAR ADA RAMP LAYOUT FOR NARROW SIDEWALK WITH ESPLANDE

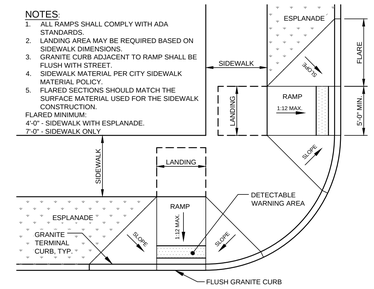
(F) BARRIER FREE RAMP DETAILS

N.T.S.

NOTES:

1. ALL RAMPS SHALL COMPLY WITH ADA STANDARDS.
2. LANDING AREA MAY BE REQUIRED BASED ON SIDEWALK DIMENSIONS.
3. GRANITE CURB ADJACENT TO RAMP SHALL BE FLUSH WITH STREET.
4. SIDEWALK MATERIAL PER CITY SIDEWALK MATERIAL POLICY.
5. FLARED SECTIONS SHOULD MATCH THE SURFACE MATERIAL USED FOR THE SIDEWALK CONSTRUCTION.

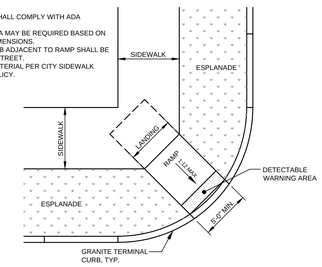
FLARED MINIMUM:
4'-0" - SIDEWALK WITH ESPLANADE.
7'-0" - SIDEWALK ONLY



PREFERRED SIDEWALK RAMP AT INTERSECTION

NOTES:

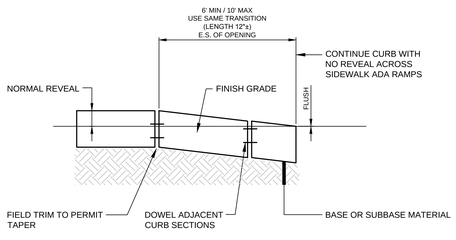
1. ALL RAMPS SHALL COMPLY WITH ADA STANDARDS.
2. LANDING AREA MAY BE REQUIRED BASED ON SIDEWALK DIMENSIONS.
3. GRANITE CURB ADJACENT TO RAMP SHALL BE FLUSH WITH STREET.
4. SIDEWALK MATERIAL PER CITY SIDEWALK MATERIAL POLICY.



DIAGONAL SIDEWALK RAMP LAYOUT AT INTERSECTION FOR SIDEWALK WITH ESPLANADE (REQUIRES WAIVER)

NOTE:

1. RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH AMERICANS WITH DISABILITIES ACT (ADA).
2. ALL RAMPS WITHIN THE CITY OF PORTLAND RIGHT-OF-WAY (SEWALL STREET AND THOMPSON POINT CONNECTOR ROAD) SHALL HAVE DETECTABLE WARNINGS THE FULL DEPTH AND WIDTH OF THE RAMP PER SECTION 4.29 OF THE ADA. DETECTABLE WARNINGS SHALL CONSIST OF RAISED TRUNCATED DOMES A DIAMETER OF 0.90 INCHES, A HEIGHT OF NOMINAL 0.20 INCHES AND A SPACING OF 2.35 INCHES CENTER TO CENTER. THESE SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES.
3. A TACTILE WARNING STRIP IS REQUIRED WHERE RAMP ABUTS AREA USED BY MOTORIZED VEHICLES.
4. ALL TACTILE WARNING STRIPS SHALL BE SET PERPENDICULAR TO DIRECTION OF CROSS WALK.



(C) SLOPE OF GRANITE CURB AT ADA RAMPS AND DRIVEWAYS

N.T.S.

REV	DATE	DESCRIPTION
1	08.13.15	FINAL SUBDIVISION APPLICATION SUBMISSION

REVISIONS

STATE OF MAINE — BO KENNEDY No. 11994 — LICENSED PROFESSIONAL ENGINEER

P.E. BO E. KENNEDY
LIC. #11994

PROJECT: THE FOREFRONT AT THOMPSON'S POINT

SHEET TITLE: CURBING AND SIDEWALK DETAILS

CLIENT: FOREFRONT PARTNERS I, LP

FAY, SPOFFORD & THORNDIKE
ENGINEERS · PLANNERS · SCIENTISTS
778 MAIN ST, SUITE 8, SOUTH PORTLAND, ME 04106

DRAWN:	DED	DATE:	SEPT 2014
DESIGNED:	BEK	SCALE:	AS NOTED
CHECKED:	SRB	JOB NO.	SP-M007B
FILE NAME:	2982.05-SUB DET		
SHEET	C-7.1		

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