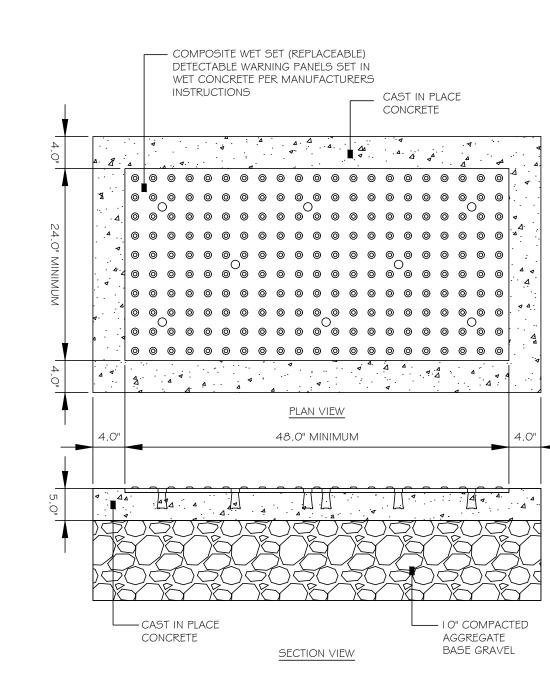
C401



I. 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 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

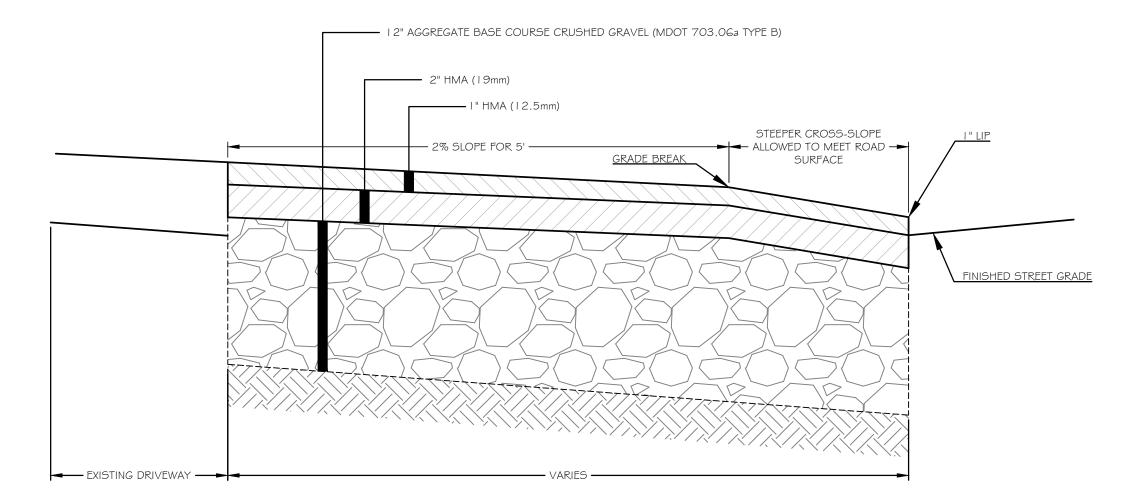
PERPENDICULAR TO THE FLOW OF PEDESTRIAN TRAFFIC. 3. TRUNCATED DOMES SHALL BE ALIGNED IN ROWS, PARALLEL AND PERPENDICULAR TO THE PREDOMINANT DIRECTION OF TRAVEL. TRUNCATED DOME BRICKS AND GRANITE PAVERS ARE NOT

4. FOR ALL DETECTABLE WARNING PANELS (EXCEPT AS SPECIFIED IN FIGURE 1-7A 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.

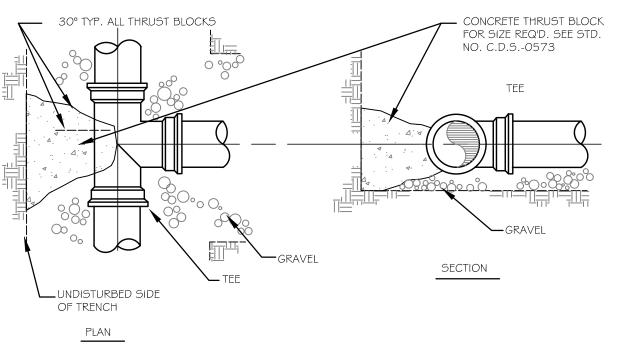
6. ORIENTATION: THE DETECTABLE WARNING PANEL SHALL BE LOCATED SO THAT THE EDGE NEAREST THE CURB LINE IS 6 INCHES MINIMUM AND SINCHES MAXIMUM FROM THE CURB LINE. THE PANEL SHALL BE ORIENTED TO THE BRECTION OF TRAVEL AS DENTIFIED BY THE POINT OF EGRESS. R=0.250"-HEX HEAD BOLTS & WASHER 4-PL-BOLT DETAIL

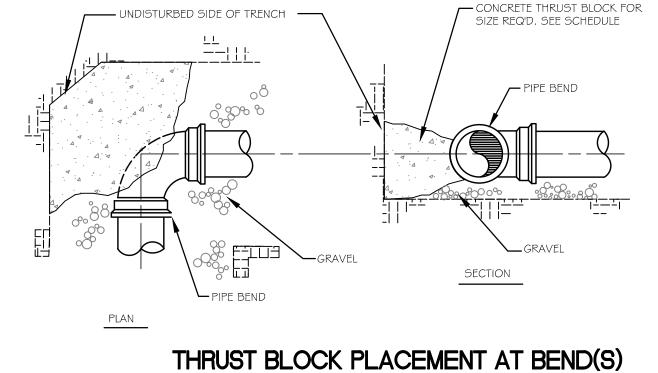
SIDEWALK RAMP DETECTABLE WARNING PANEL NOT TO SCALE



C401 NOT TO SCALE

BITUMINOUS DRIVEWAY APRON DETAIL





| SIZE REQUIREMENTS FOR  CONCRETE THRUST BLOCKS |     |  |           |               |          |
|---|-----|--|-----------|---------------|----------|
|   |     | BEARING ON UNDISTURBED SOIL (SQUARE FT.) |           |               |          |
| FITTII  | NGS | 90° BENDS                                | 45° BENDS | TEES \$ PLUGS | HYDRANTS |
| PIPE<br>SIZE                                  | 4"  | 2.0                                      | 1.0       | 1.0           | N/A      |
|   | 6"  | 3.0                                      | 2.0       | 2.0           | 6.0      |
|   | 8"  | 5.0                                      | 3.0       | 4.0           | N/A      |

## THRUST BLOCK SCHEDULE



C401

6" MIN.

with I" Clearance to edges

19 1/8"

V5613

PLAN - COVER REMOVED

ALL WORK TO CONFORM TO THE PORTLAND WATER DISTRICT STANDARDS AND REQUIREMENTS.

EXISTING 16" WATER

ND SURVEYOR EMPLOYED BY CITY OF PORTLAND FOR CITY PROJECTS, OR PRIVATE

AND SURVEYOR FOR PRIVATE PROJECTS.

I 1/2" COPPER ROD, CITY SURVEY WASHER,

5/8"Ø x I" DEEP DRILL HOLE WITH 5/8"Ø x

SURVEYOR PLS #, AND SET PUNCH MARK.

6" x 6" SMOOTH TOP GRANITE MONUMENT

FORMERLY EAST JORDAN IRON WORKS

16 3/4"

└ 18"Ø (MIN.) SONOTUBE

---- CAST IRON COVER - RAISED DIAMOND DESIGN

EJ USA CAST IRON FRAME V5613 AND COVER V6713

EJ USA CAST IRON FRAME 8360Z AND COVER 8360A

TOP OF SOD, SIDEWALK, OR ADA RAMP.

■ 18"Ø (MIN.) CONCRETE FILLED SONOTUBE

DURABLE GRANITE, OF LIGHT COLOR, WITH A SMOOTH SPLIT APPEARANCE, AND FREE FROM SEAMS WHICH IMPAIR

PARALLEL WITH THE TOP SURFACE.

ALL MONUMENTS SHALL BE A FULL 5'-3" IN LENGTH, PLUS OR MINUS ONE INCH,

UNLESS THE CITY HAS PREAPPROVED AN

AGGREGATE BASE - CRUSHED, TYPE "B"

THE CONTRACTOR SHALL SET THE CENTER OF THE MONUMENT WITHIN I" OF THE SURVEY POINT, OR THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING IT AND SETTING ANOTHER MONUMENT.

ALL MONUMENTS SHALL BE A HARD AND

ALL MONUMENTS, EXCEPT FOR IN DESIGNATED AREAS, MAY HAVE SPLIT OR SAWN SIDES. THE BOTTOM SURFACE SHALL BE 7" TO 9" SQUARE, MAY BE CUT ROUGH, AND SHALL BE

THE TOP SURFACE SHALL BE SMOOTH, NOT PREMARKED,

TAPPING SADDLE SHALL BE NYLON COATED

6" SQUARE, AND MARKED BY A MAINE PROFESSIONAL

LAND SURVEYOR AFTER BACKFILL AND COMPACTION.

FILTER FABRIC WRAP

STRUCTURAL INTEGRITY.

ALTERNATIVE.

**GRANITE STREET MONUMENT** 

NOT TO SCALE

J USA CAST IRON FRAME

V5613 19 1/8"

LETTERED "PORTLAND DPS" / "SURVEY MONUMENT"

STANDARD CORPORATION STOP DETAIL C401 NOT TO SCALE

- I" CURB REVEAL

AT DRIVEWAY

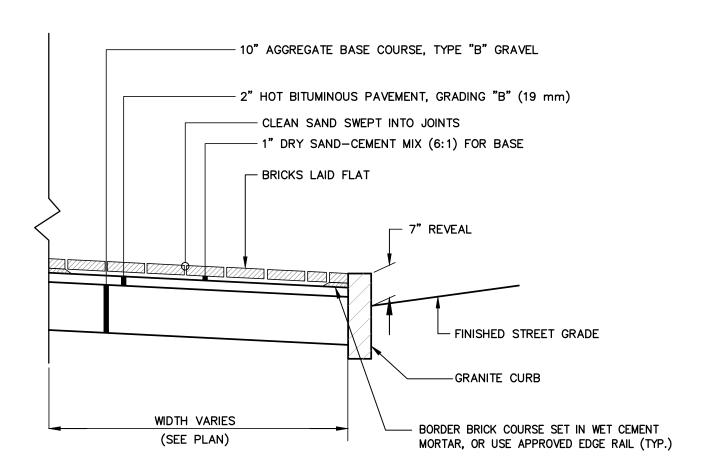
## THRUST BLOCK PLACEMENT AT TEE(S)

THRUST BLOCK DETAILS C401 NOT TO SCALE

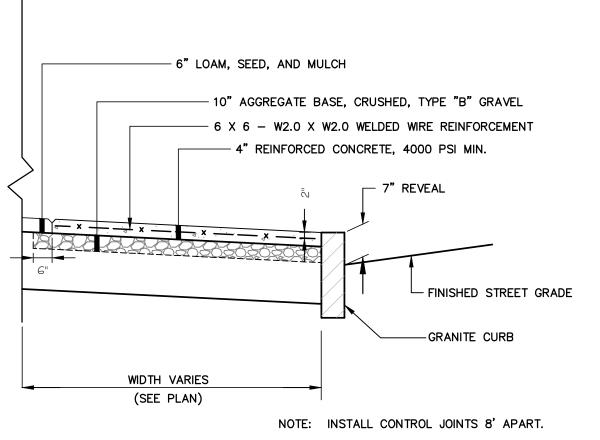
BRICKS TO BE USED: NEW CONSTRUCTION: (LANCASTER)
4"x8" PINE HALL PATHWAY PAVER BRICK: MFG. BY PINE HALL BRICK CO., MADISON, NORTH CAROLINA. LACHANCE ITEM # 193623, PINE

HALL PATHWAY PAVER BRICK.

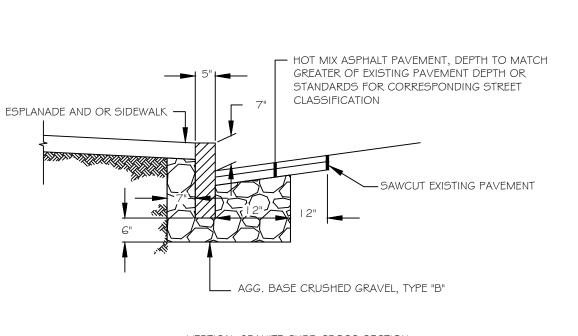
REPAIR /MAINTENANCE TO EXISTING BRICK SIDEWALKS: (PREBLE)
VERMONT PAVER; SUPPLIED BY GAGNE AND SONS. SPECIFICATION NUMBER: "VERMONT BACKER BRICK", ITEM NUMBER # VBBB

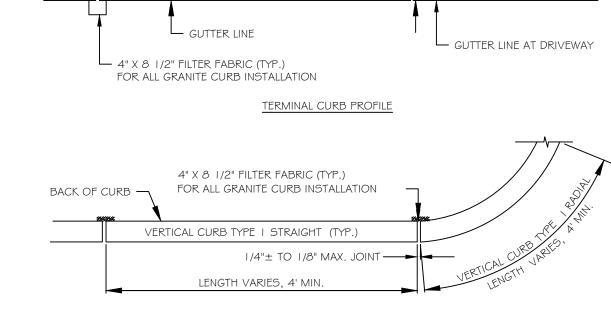












VERTICAL GRANITE CURB PLAN VIEW

5' MIN. TERMINAL CURB

(7' AT SIDEWALK RAMPS)

VERTICAL GRANITE CURB CROSS SECTION

GRANITE CURB INSTALLATION IN EXISTING STREETS DETAIL NOT TO SCALE C401



Bild

CONSTRUCTION
DOCUMENTS

ISSUE DATE 2/2/17 SHEET SCALE N.T.S.