

- FOR ASPHALT MIX DESIGN TO BE APPROVED BY CITY.
- WHEN A STONDEUST PATHWAY IS SPECIFIED, REPLACE ASPHALT WITH 50mm DEPTH OF STONEDUST COMPACTED TO 100% S.P.D.D.
- ENSURE POSITIVE DRAINAGE ON ASPHALT OR STONEDUST SURFACE. WATER MUST NOT BE COLLECTED AND CONVEYED ALONG ASPHALT OR STONEDUST SURFACE.
- PATH / TRAIL / ACCESS WIDTH IS DEPENDENT ON VEHICLE ACCESS AND WINTER MAINTENANCE REQUIREMENTS.
- 5. REFER TO OPSS 1150 AND OPSS 501.
- MOWSTRIP TREATMENT TO BE APPROPRIATE FOR ADJACENT/SITE CONDITIONS. IE. SOD IN MANICURED AREAS, PARKS AND BOULEVARDS AND / 'LOW MOW' SEED MIX IN AREAS WHICH DO REQUIRE REGULAR MAINTENANCE. NATIVE SEED MIX REQUIRED WHERE ADJACENT TO NATURALIZED AREAS.
- SIDE SLOPES TO BE MAX. 4:1 IN MANICURED AND MAINTAINED AREAS. MAX. 3:1 IS PERMITTED IN NATURALIZED AREAS.
- THE CROSS SECTION MAY BE REVISED TO HAVE A CROWNED CENTERLINE AS REQUIRED FOR SITE SPECIFIC CONDITIONS.

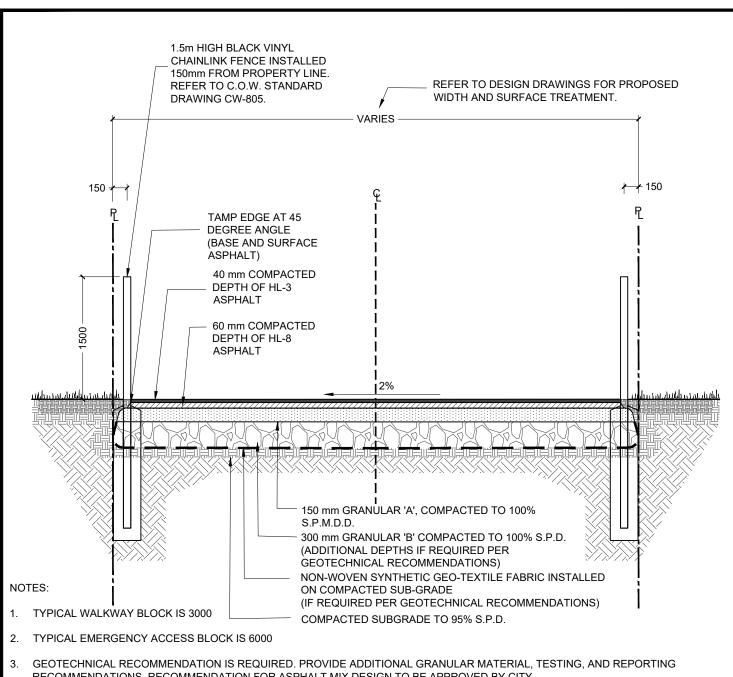
# ASPHALT MULTI-USE-PATH / TRAIL AND MAINTENACE **ACCESS DETAIL**

STANDARD DRAWING

Waterloo CW-501

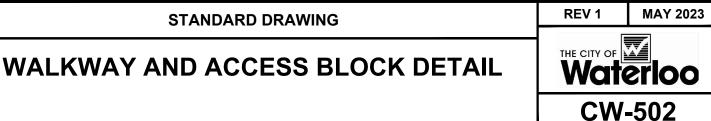
MAY 2023

REV 1



- RECOMMENDATIONS. RECOMMENDATION FOR ASPHALT MIX DESIGN TO BE APPROVED BY CITY.
- ENSURE POSITIVE DRAINAGE ON WALKWAY / ACCESS. SURFACE WATER MUST NOT BE COLLECTED AND CONVEYED ALONG WALKWAY / ACCESS SURFACE.
- EMERGENCY ACCESS BLOCKS REQUIRE BOLLARD GATES, REFER TO C.O.W. DOUBLE 1.8M BOLLARD GATE DETAIL, STANDARD DRAWING CW-522.
- REFER TO OPSS 1150 AND OPSS 501.
- THE CROSS SECTION MAY BE REVISED TO HAVE A CROWNED CENTRELINE AS REQUIRED FOR SITE SPECIFIC CONDITIONS.

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN



### NOTES:

1. SITE SPECIFICITY MAY REQUIRE ADDITIONAL TRAIL AMENITIES AT THE DISCRETION OF THE DEVELOPMENT SERVICES LANDSCAPE ARCHITECT.

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

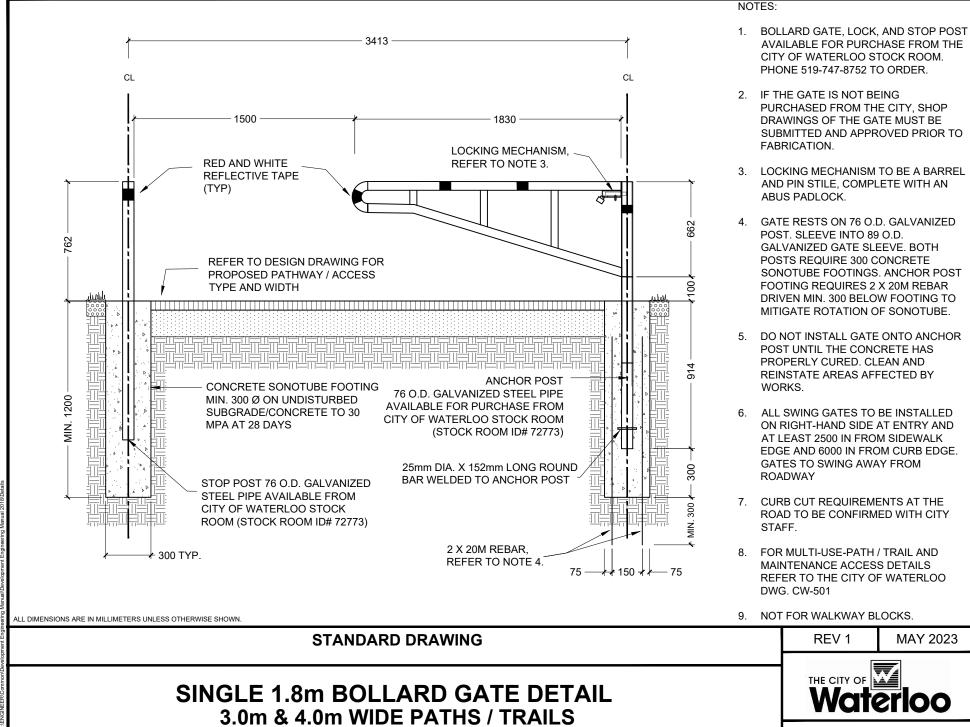
## STANDARD DRAWING

PARK / OPEN SPACE ACCESS NODE LAYOUT

THE CITY OF Waterloo

CW-511

File Location: H:\ENGINEER\Common\Development Engineering



CW-521

#### NOTES:

- BOLLARD GATE AND LOCK AVAILABLE FOR PURCHASE FROM THE CITY OF WATERLOO STOCK ROOM. PHONE 519-747-8752 TO ORDER.
- IF THE GATES ARE NOT BEING PURCHASED FROM THE CITY, SHOP DRAWINGS OF THE GATES MUST BE SUBMITTED AND APPROVED PRIOR TO FABRICATION.
- 3. LOCKING MECHANISM TO BE A BARREL AND PIN STYLE, COMPLETE WITH AN ABUS PADLOCK.

- 4. GATES REST ON 76 O.D. GALVANIZED POST. SLEEVE INTO 89 O.D. GALVANIZED GATE SLEEVE. BOTH POSTS REQUIRE 300 CONCRETE FOOTINGS. ANCHOR POST FOOTING REQUIRES 2 X 20M REBAR DRIVEN MIN. 300 BELOW FOOTING TO MITIGATE ROTATION OF SONOTUBE.
- 5. DO NOT INSTALL GATE ONTO ANCHOR POST UNTIL THE CONCRETE HAS PROPERLY CURED. CLEAN AND REINSTATE AREAS AFFECTED BY WORKS.

- ALL SWING GATES TO BE INSTALLED AT LEAST 2500 IN. FROM SIDEWALK EDGE AND 6000 IN. FROM CURB EDGE. GATES TO SWING AWAY FROM ROADWAY
- CURB CUT REQUIREMENTS AT THE ROAD TO BE CONFIRMED WITH CITY STAFF.
- 8. FOR MULTI-USE-PATH / TRAIL AND
  MAINTENANCE ACCESS DETAILS, REFER TO
  DWG. CW-501. FOR WALKWAY AND ACCESS
  BLOCK DETAILS, REFER TO DWG. CW-502

REV<sub>1</sub>

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.

## **STANDARD DRAWING**

DOUBLE 1.8m BOLLARD GATE DETAIL
4.0m SWM POND AND 6.0m MUNICIPAL EMERGENCY ACCESS

THE CITY OF Waterloo

MAY 2023

CW-522

e Location: H:\ENGINEER\Common\Development Engineering Manua\Development E

#### NOTES:

- LOCK AVAILABLE FOR PURCHASE FROM THE CITY OF WATERLOO STOCK ROOM. PHONE 519-747-8752 TO ORDER.
- SHOP DRAWINGS OF THE GATES MUST BE SUBMITTED AND APPROVED PRIOR TO FABRICATION.
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- DO NOT INSTALL GATE ONTO ANCHOR POST UNTIL THE CONCRETE HAS PROPERLY CURED. CLEAN AND REINSTATE AREAS AFFECTED BY WORKS.

- ALL SWING GATES TO BE INSTALLED AT LEAST 2500 IN. FROM SIDEWALK EDGE AND 6000 IN. FROM CURB EDGE. GATES TO SWING AWAY FROM ROADWAY.
- PROVIDE A 6000 CURB CUT AT ROAD, CURB CUTS ALONG MAJOR ARTERIAL ROADS TO BE REVIEWED ON A CASE BY CASE BASIS.
- 8. FOR MULTI-USE-PATH/TRAIL AND
  MAINTENANCE ACCESS DETAILS, REFER TO
  DWG. CW-501. FOR WALKWAY AND ACCESS
  BLOCK DETAILS, REFER TO DWG.CW-502

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.

## **STANDARD DRAWING**

DOUBLE 2.3m BOLLARD GATE DETAIL
6.0m PATH/TRAIL AND 6.0m OBC EMERGENCY ACCESS

REV 1

MAY 2023



**CW-523**