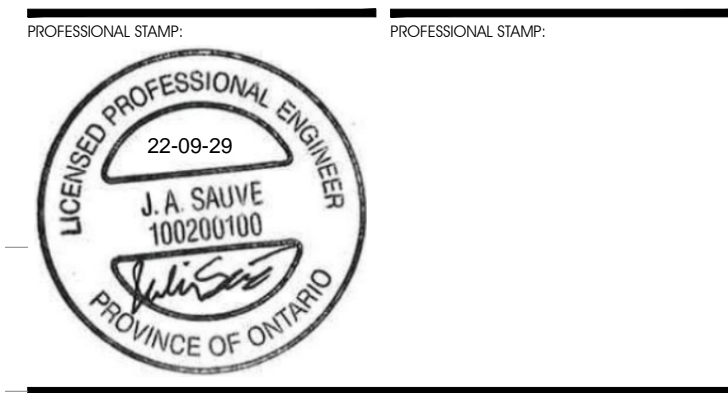


RECORD OF REVISIONS

1	ISSUED FOR SITE PLAN CONTROL REV. 3	SEPTEMBER 29, 2022
2	ISSUED FOR 66% REVIEW	JULY 15, 2022
3	ISSUED FOR SITE PLAN CONTROL REV. 2	JUNE 7, 2022
4	ISSUED FOR SITE PLAN APPROVAL	DECEMBER 16, 2021

NUMBER: REVISION: DATE: (MM/DD/YYYY)



PROJECT TITLE:
FASTFRATE OTTAWA WAREHOUSE AND DISTRIBUTION FACILITY

SCALE: NONE

SOMMER ST, OTTAWA, ON

DRAWING TITLE:

DETAILS

DRAWN BY: D.CANN DRAWING NUMBER:
DATE: _____ PROJECT #:
REVIEWED BY: J.SAUVÉ **C017**
APPROVED BY: _____
PRINT DATE: _____ REVISION NUMBER:
ISSUED DATE: NOVEMBER 26, 2021
CLIENT PROJECT #: _____ PROJECT #:

A001083

DO NOT SCALE THIS DRAWING. USE DIMENSIONS ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND ADAPTING THE ARCHITECT'S DRAWINGS TO THE EXISTING CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND ADAPTING THE ARCHITECT'S DRAWINGS TO THE EXISTING CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND ADAPTING THE ARCHITECT'S DRAWINGS TO THE EXISTING CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND ADAPTING THE ARCHITECT'S DRAWINGS TO THE EXISTING CONDITIONS.

TABLE 1 - NUMBER OF RODS IN FRAME

PIPE DIA	No of RODS
450	1
525	2
600	3
675	4
750	5
825	6
900	7
975	8
1050	9
1200	10

TABLE 2 - NUMBER OF RODS IN FIXED UPPER FRAME

PIPE DIA	No of RODS
1350	1
1500	2
1650	3
1800	4
1950	5
2100	6
2250	7
2400	8

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2018 Rev 2
GRATING FOR CONCRETE ENDWALL
OPSD 804.050

SPLICE BOLT AND NUT

SPLICE BOLT LENGTH	LENGTH
LOCATION	32
At posts	32
At structure anchor	38

ARRANGEMENT AT POST WOODEN POST SHOWN

NOTES:
1 Base metal thickness of rail shall be 2.87mm nominal and 2.44mm minimum.
2 Holes only in rail.
3 All dimensions subject to manufacturing tolerances unless otherwise indicated.
4 All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2010 Rev 2
GUIDE RAIL SYSTEM, STEEL BEAM RAIL COMPONENT
OPSD 912.101

POST BOLT AND HOLE

Note	Post Bolt Size and Type
1	16x460 BH
2	18x310 CoB

NOTES:
1 Washer shall not be installed at front face of rail. One bolt located at centre of steel beam guide rail.
A Wooden posts and offset blocks shall be 150x150mm. Tops to have 25mm chamfer.
B Steel beam guide rail mounting heights shall be as specified.
C This OPSD to be read in conjunction with OPSD 912.101 and 912.102.
D All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2010 Rev 2
GUIDE RAIL SYSTEM, STEEL BEAM WOODEN POST ASSEMBLY INSTALLATION - SINGLE RAIL
OPSD 912.140

CLEARANCE TABLE

Soil Type	Clearance mm
900 or less	300
Over 900	500

NOTES:
1 Height of fill is measured from the finished surface to top of pipe.
2 The pipe bed shall be compacted and shaped to receive the bottom of the pipe.
3 Pipe culvert frost treatment shall be according to OPSD 803.030 and 803.031.
4 Condition of excavation is symmetrical about centreline of pipe.
A Granular material placed in the haunch area shall be compacted prior to placing and compacting the remainder of the embedment material.
B Soil types as defined in the Occupational Health and Safety Act and Regulations for Construction Projects.
C All dimensions are in metres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2014 Rev 3
FLEXIBLE PIPE EMBEDMENT AND BACKFILL EARTH EXCAVATION
OPSD 802.010

CLEARANCE TABLE

Pipe Span mm	Clearance mm
900 or less	300
Over 900	500

NOTES:
1 Height of fill is measured from the finished surface to top of pipe.
2 Height of fill over pipe shall be according to OPSD 805.020.
3 For width 0.75S, granular material shall be uncompacted for its full depth and fine graded to shape of bottom of the pipe arch.
4 Pipe culvert frost treatment shall be according to OPSD 803.030 and 803.031.
5 Condition of excavation is symmetrical about centreline of pipe.
A Granular material placed in the haunch area, other than the area included in Note 2, shall be compacted prior to placing and compacting the remainder of the embedment material.
B Soil types as defined in the Occupational Health and Safety Act and Regulations for Construction Projects.
C All dimensions are in metres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2015 Rev 3
FLEXIBLE PIPE ARCH EMBEDMENT AND BACKFILL EARTH EXCAVATION
OPSD 802.020

APPROVED
By Adam Brown at 9:42 am, Feb 07, 2023

Adam Brown

ADAM BROWN
MANAGER, DEVELOPMENT REVIEW - RURAL PLANNING, REAL ESTATE & ECONOMIC DEVELOPMENT DEPARTMENT, CITY OF OTTAWA