

- NOTES:
1. ALL POST AND RAILS SHALL BE GALVANIZED STEEL PIPE SCHEDULE 40 WEIGHT, WITH A BLACK POLYETHYLENE COATING.
  2. ALL REQUIRED FITTINGS AND HARDWARE SHALL BE OF ALUMINUM ALLOY WITH ELECTROSTATIC POWDER-COATED POLYESTER AND A BLACK BAKED-ON FINISH.
  3. LENGTH OF CORNER AND STRAINING POSTS 2.6m, LENGTH OF LINE POSTS 2.5m.
  4. RUNS MORE THAN 150m ARE TO HAVE AN 89mm O.D. INTERMEDIATE STRAINING POST WITH A 42.9mm O.D. BRACES IN BOTH DIRECTIONS.
  5. THE BARBED TOPS AND BOTTOM OF ALL FENCING TO BE KNUCKLED OVER SUCH THAT NO SHARP PROJECTIONS ARE VISIBLE OVER THE TOP AND BOTTOM PIPE RAIL.
  6. FOR GATE DETAIL SEE OPSPD 900.03 WITH FOOTING, HEIGHT AND MATERIAL DETAIL AS SHOWN ABOVE.
  7. ALL POST AND MESH TO LIE ON PRIVATE PROPERTY.
- NO ABOVE GROUND FENCE ELEMENTS SHALL INTRUDE ONTO PUBLIC PROPERTY, INCLUDING THE ROAD RESERVE.

TOWN OF CALEDON

# CHAIN LINK FENCE

NO.	REVISION	APPRD	DATE	STANDARD No. 600
3	STANDARD No. 900 NOW 600	CC	JUNE 08	APPRD: C.C. DATE: JAN 00
2	PIPE WEIGHT	CC	NOV. 06	DRAWN: BJM SCALE: N.T.S.
1	BOTTOM BRACE	CC	JULY 03	

## HOMELAND VINYL FENCING MODEL F202 (or approved equal)

### MATERIAL SPECIFICATIONS

#### Vinyl Covers

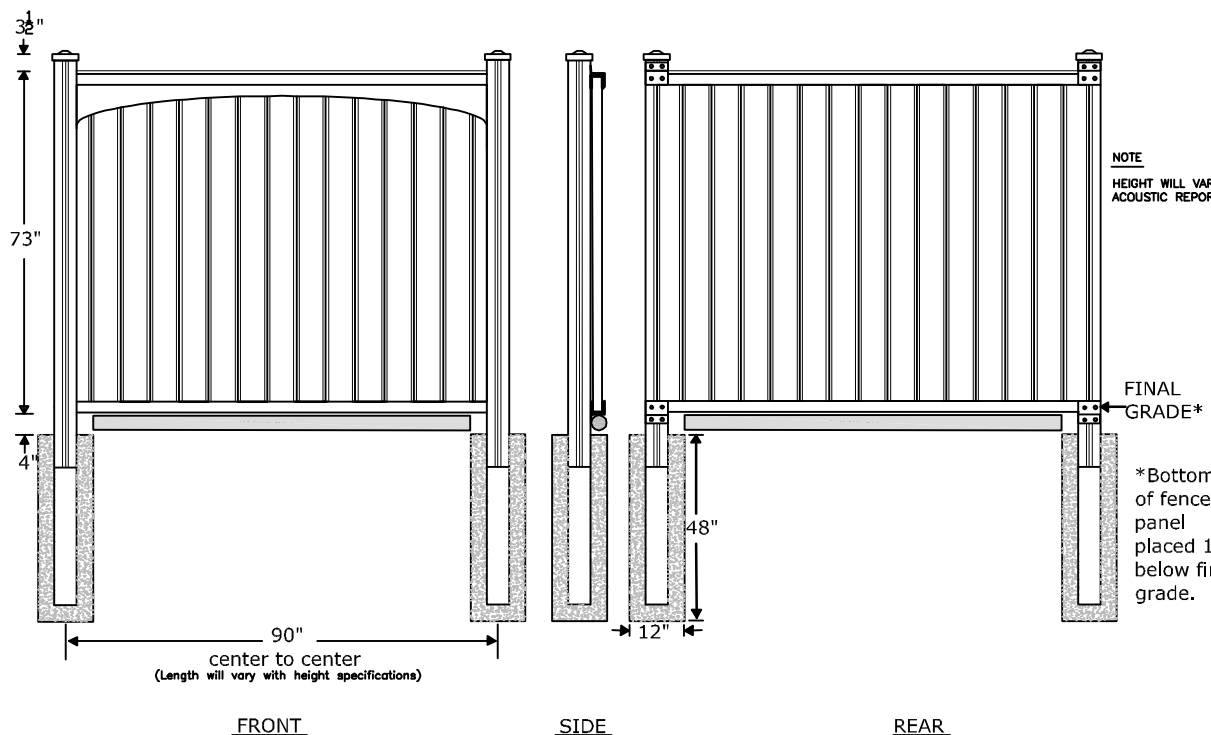
1. EXTERIOR GRADE RIGID VIRGIN PVC IS USED FOR ALL COVERS.
2. ASTM C672-92 SALT SCALING RESISTANCE (100% RESISTANT).
3. ASTM D4216 CELL CLASSIFICATION.
4. ASTM D792 SPECIFIC GRAVITY.
5. ASTM D2240 DUROMETER.
6. ASTM D638 TENSILE STRENGTH AND TENSILE MODULUS.
7. ASTM D790 FLEXURAL STRENGTH AND FLEXURAL MODULUS.
8. ASTM D4226 DROP WEIGHT IMPACT.
9. ASTM D256 NOTCHED IZOD IMPACT.
10. ASTM D648 HEAT DEFLECTION TEMPERATURE.
11. ASTM D696 COEFFICIENT OF LINEAR EXPANSION
12. CSA A440-M90 COLOUR HOLD.
13. UL94 FLAMMABILITY

#### Steel Panel

1. G90 COMMERCIAL QUALITY GALVANIZED STEEL SHEET, 4 POUNDS PER SQUARE FOOT DENSITY WITH VINYL COVER.
2. ASTM A653/A653M STANDARD SPECIFICATION FOR STEEL SHEET ZINC COATED (GALVANIZED) BY THE HOT DIP PROCESS.

#### Steel Post

1. G164 HSS GALVANIZED STEEL TUBE 3.5"x3.5"x1/8", 1/4", OR 3/8" THICK BASED ON FENCE HEIGHT REQUIRED.
2. ASTM A500 GRADE 'C' OR CSA G40.21 GRADE 50W STRUCTURAL QUALITY STEELS.
3. CSA G164-M92 HOT DIP GALVANIZING OF IRREGULARLY SHAPED ARTICLES.
4. CSA S16.1-94 LIMIT STATES DESIGN OF STEEL STRUCTURES

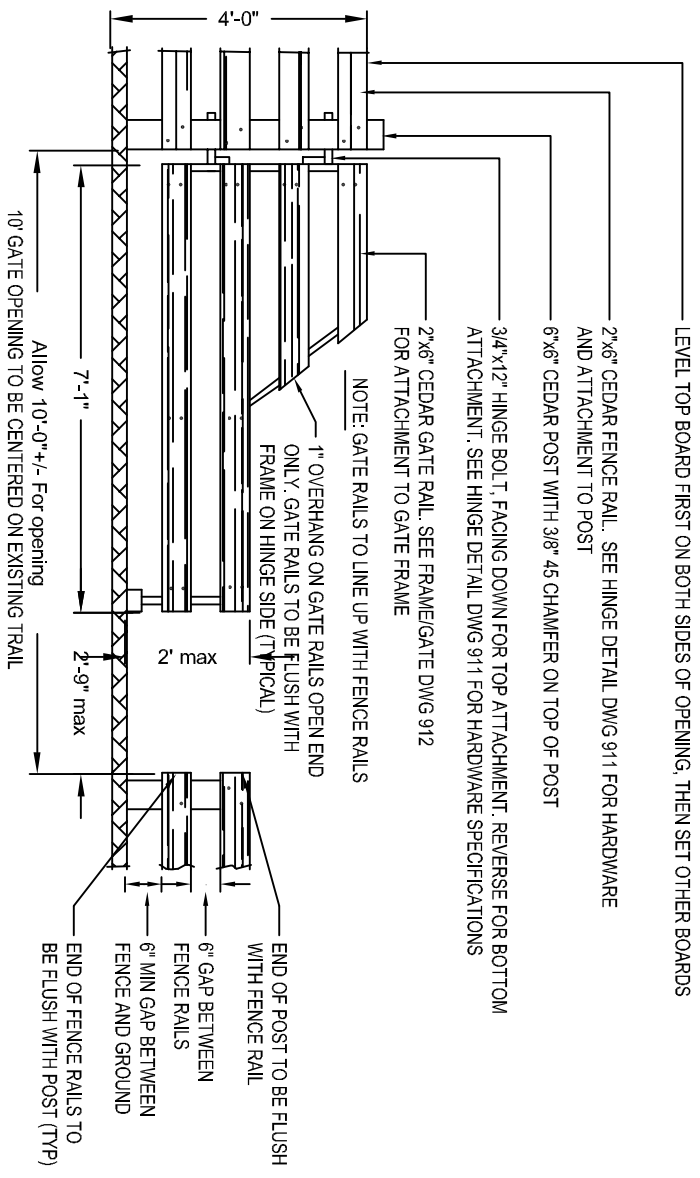


#### NOTES:

1. ALL MATERIALS, COMPONENTS AND WORKMANSHIP TO CONFORM TO LOCAL BY-LAWS.
2. THE SOIL BENEATH AND WITHIN AN 80'(2m) RADIUS OF ANY POST FOUNDATION SHALL BE CERTIFIED 95% S.P.D. PRIOR TO CONSTRUCTION.
3. CLASS OF CONCRETE SHALL BE 30 MPA AT 28 DAYS MINIMUM.
4. WATER CEMENT RATIO SHALL BE 0.5 MAXIMUM.
5. AIR CONTENT SHALL BE 5-8%.
6. CONCRETE FOR DRILLED FOUNDATIONS SHALL BE CAST AGAINST UNDISTURBED SOIL EXCEPT FOR THE TOP 24"(600mm) WHICH SHALL BE FORMED BY SONOTUBE.

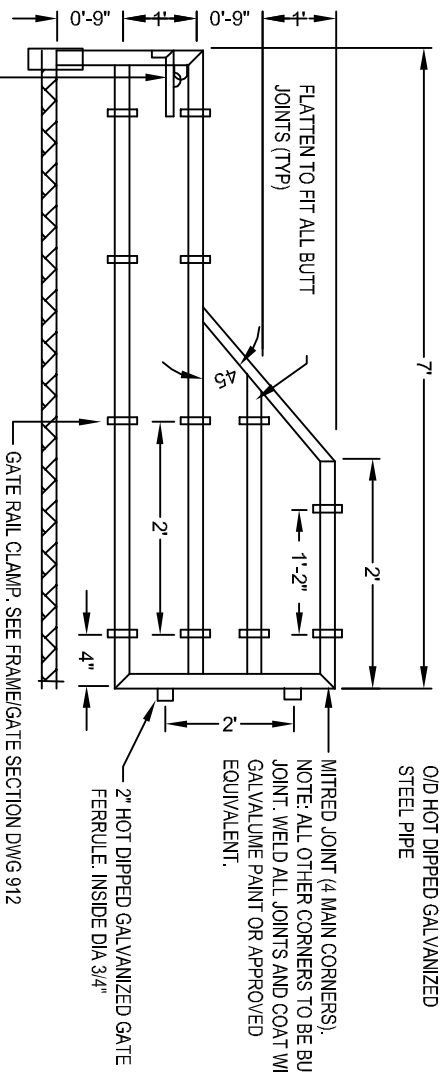
7. THE CONCRETE SHALL BE ALLOWED TO CURE FOR 7 DAYS BEFORE THE FENCE PANELS ARE INSTALLED.
8. THE FENCE SHALL BE CONSTRUCTED TO THE HEIGHT AND ALIGNMENT AS APPROVED BY THE TOWN OF CALEDON.
9. THE FENCE SHALL BE EVENLY SLOPED TO ACCOMMODATE GRADE CHANGES. WHERE STEPPING IS REQUIRED, THE STEPPING SHALL OCCUR AT THE POSTS. THE STEPS BETWEEN PANELS SHALL BE AT EVEN INCREMENTS NO LESS THAN 2"(50mm) NOR GREATER THAN 6"(150mm) AT EACH POST, EXCEPT AS AUTHORIZED BY THE TOWN OF CALEDON. THE TOP OF THE FOUNDATION SHALL BE ADJUSTED BY MITERING THE TOP OF THE SONOTUBE BEFORE CONCRETE IS POURED.
10. A DOUBLE POST IS REQUIRED FOR ALL DIRECTION CHANGES GREATER THAN 20°.
11. FENCE TO BE LOCATED ON PRIVATE PROPERTY.

TOWN OF CALEDON					APR'D: C.C.	DATE: JUNE 2004
ACOUSTIC FENCE	2	STANDARD No. 906.02 NOW 601		JUNE 08	DRAWN:	SCALE: NTS
	1	NOTES EDIT		MAR. 08		
	NO.	REVISION	APR'D	DATE	STANDARD No. 601	



## RAILTRAIL GATE

NOTE: FRAME TO BE CONSTRUCTED OF 1-1 1/16" OLD/HOT DIPPED GALVANIZED STEEL PIPE



## GATE FRAME

NO.	REVISION	APRD	DATE
1	STANDARD No. 910 NOW 602		JUNE 08

TOWN OF CALEDON

APRD: C.C.

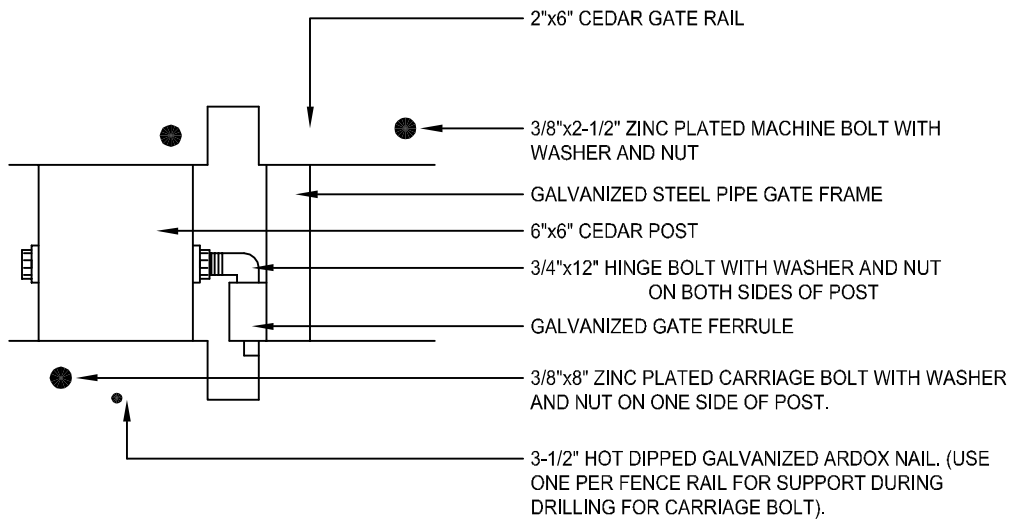
DATE: DEC. 1999

DRAWN:

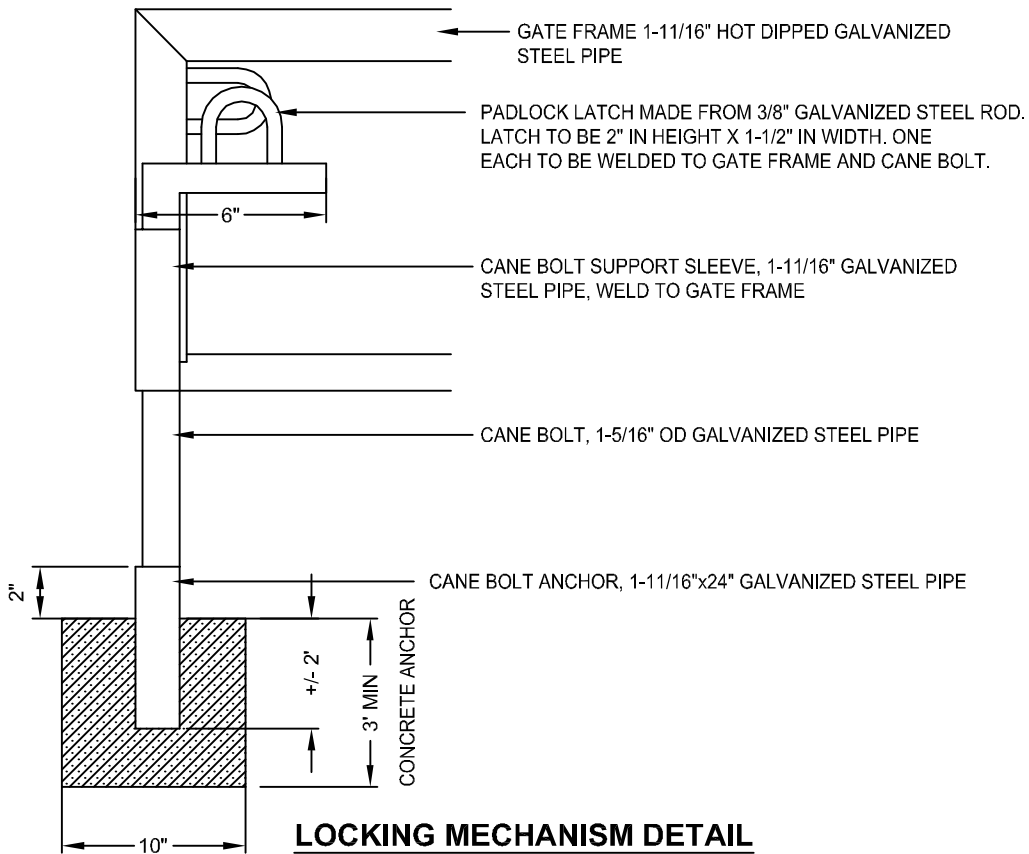
SCALE: N.T.S.

# TRAILWAY ENTRY GATE

STANDARD No. 602



## HINGE DETAIL



## LOCKING MECHANISM DETAIL

NO.	REVISION	APR'D	DATE
1	STANDARD No. 911 NOW 603		JUNE 08

TOWN OF CALEDON

APR'D: C.C.

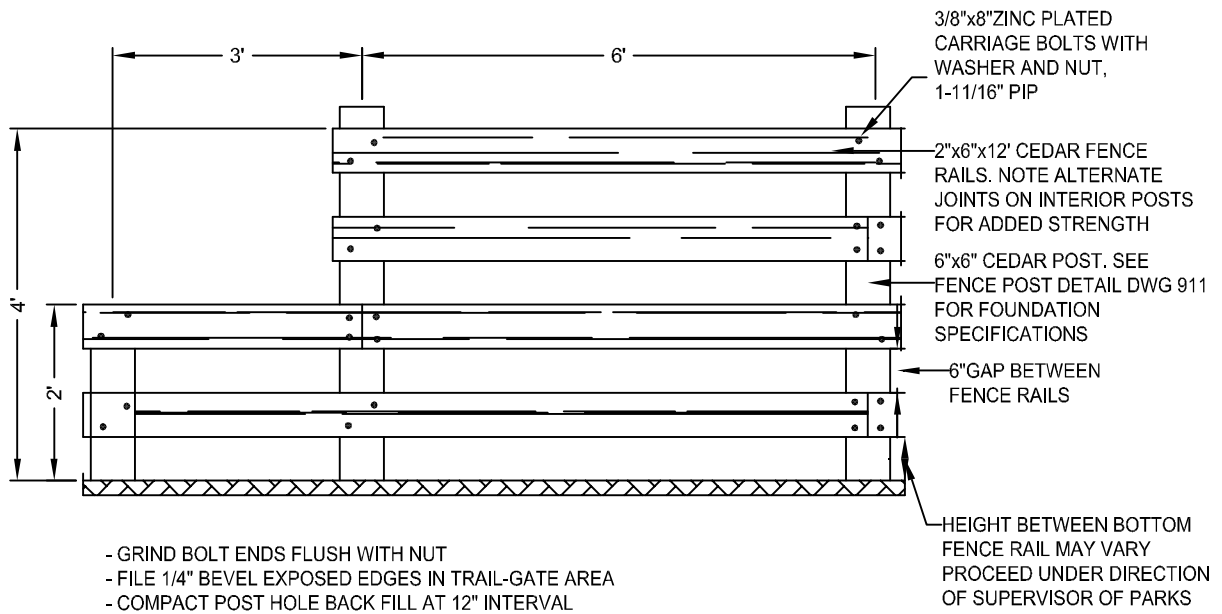
DATE: DEC. 1999

TRAILWAY ENTRY GATE  
HINGE DETAIL

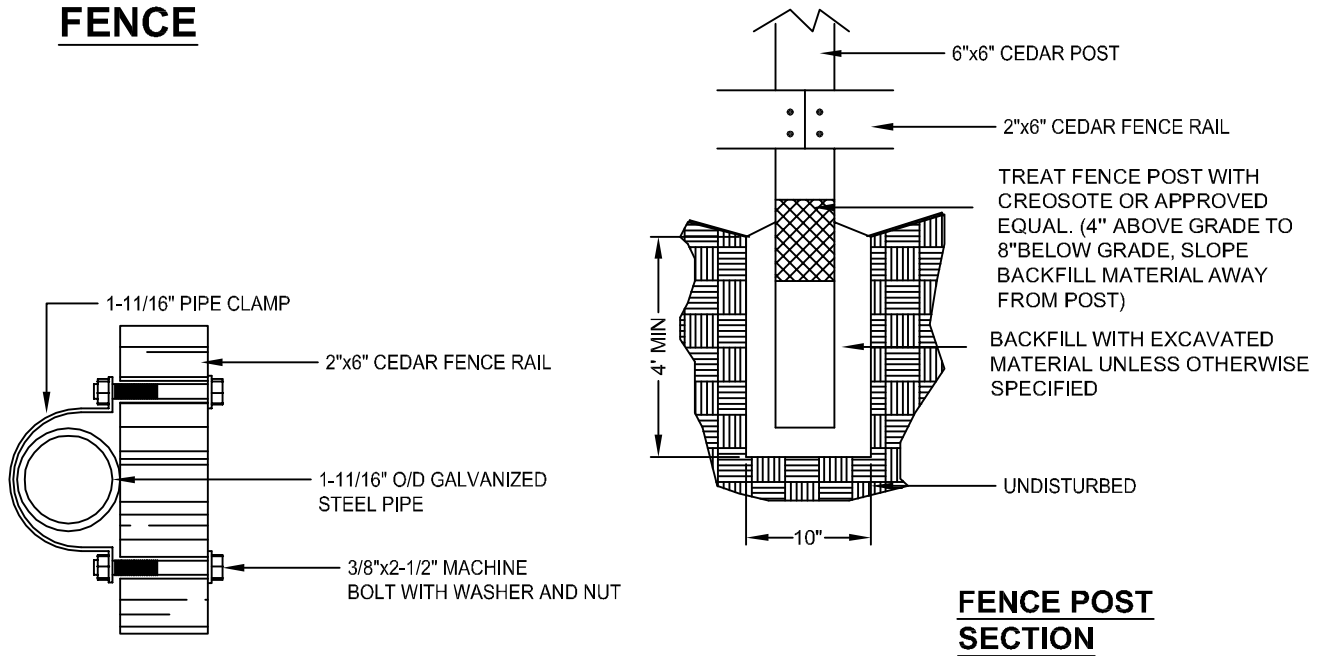
DRAWN:

SCALE: N.T.S.

STANDARD No. 603



## FENCE



## FENCE POST SECTION

## FRAME/GATE SECTION

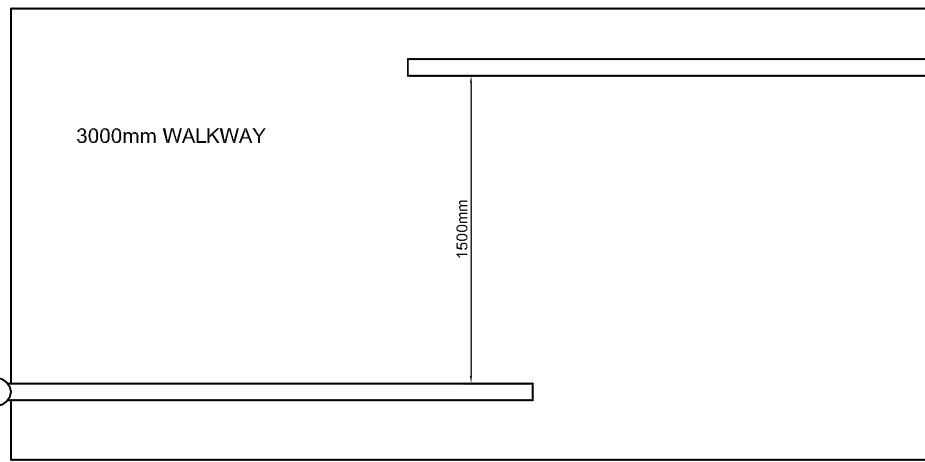
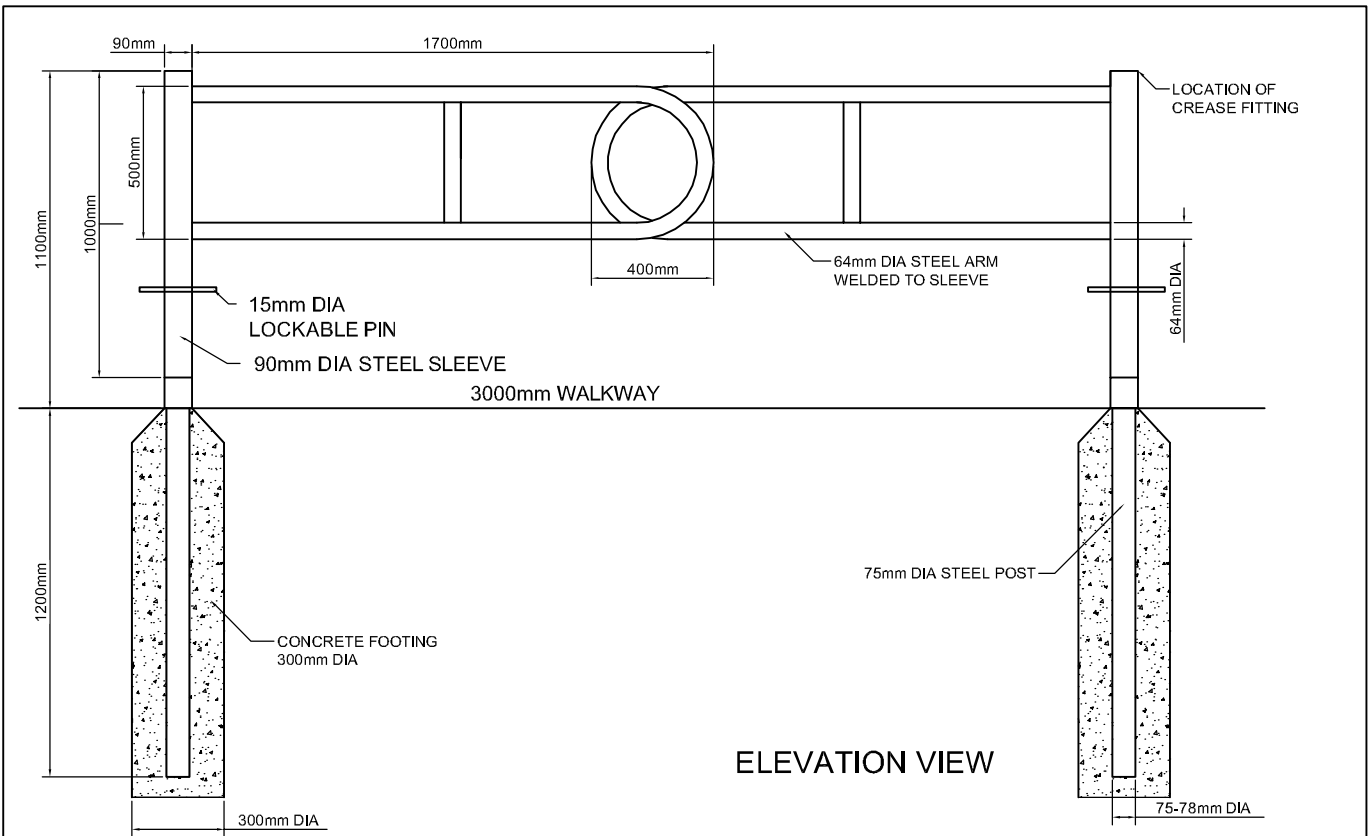
NO.	REVISION	APR'D	DATE
1	STANDARD No. 912 NOW 604		JUNE 08

TOWN OF CALEDON

TRAILWAY ENTRY GATE  
FRAME / GATE SECTION

APR'D: C.C. DATE: DEC. 1999  
DRAWN: BJM SCALE: N.T.S.

STANDARD No. 604

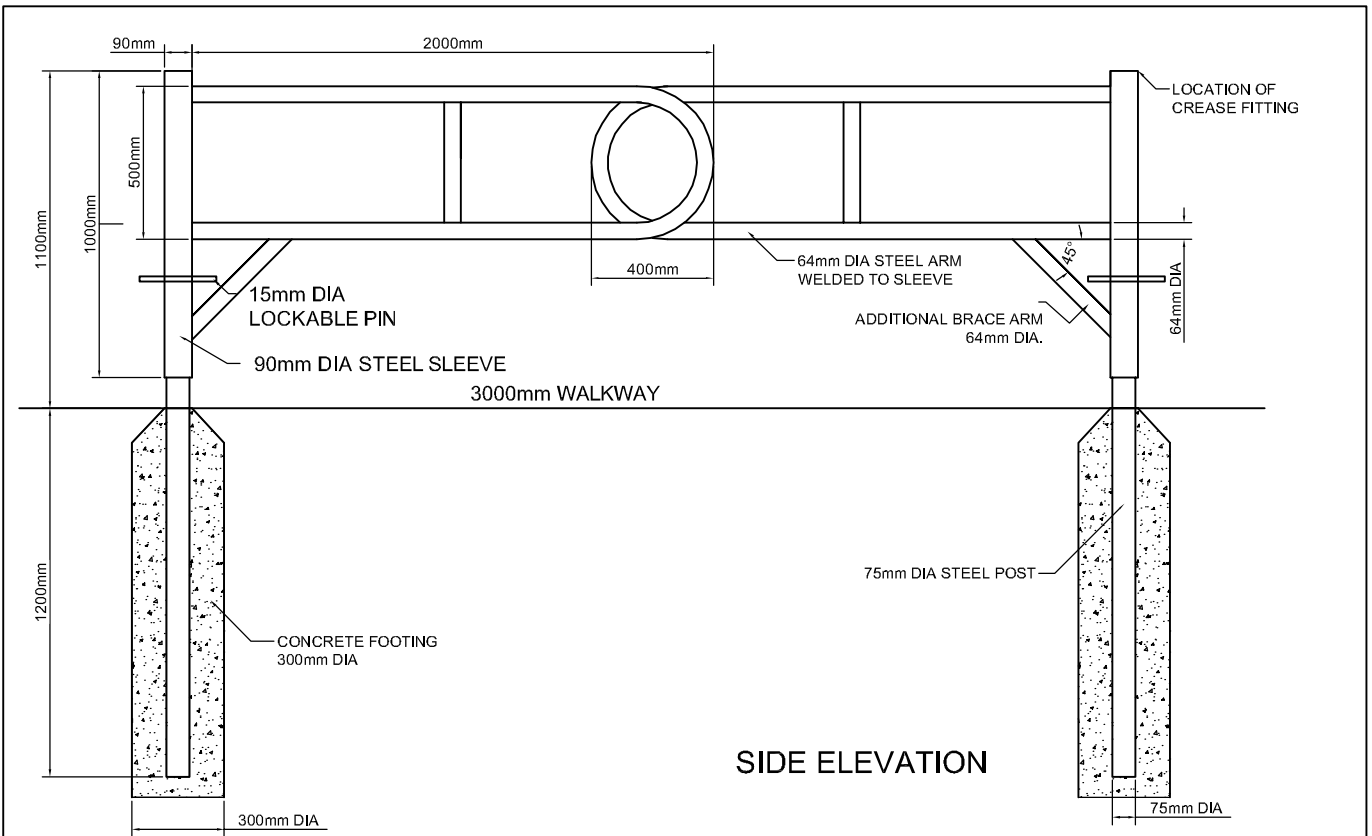


**NOTE:**

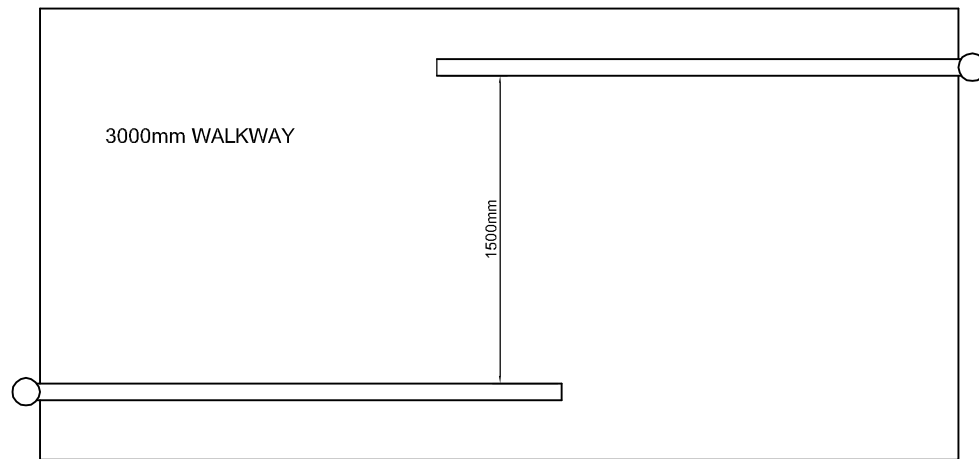
1. P OFFSET WALKWAY GATE BY ROMA FENCE LTD. (905-794-0416), OR APPROVED EQUAL.
2. ALL PIPE WEIGHTS TO BE SCHEDULE 40.

NO.	REVISION	APR'D	DATE
1	STANDARD No. 930 NOW 605		JUNE 08

TOWN OF CALEDON		APR'D: C.C.	DATE: MARCH 08
<b>P OFFSETTING WALKWAY GATE</b>		DRAWN: B.B.	SCALE: N.T.S.
		STANDARD No. 605	



SIDE ELEVATION

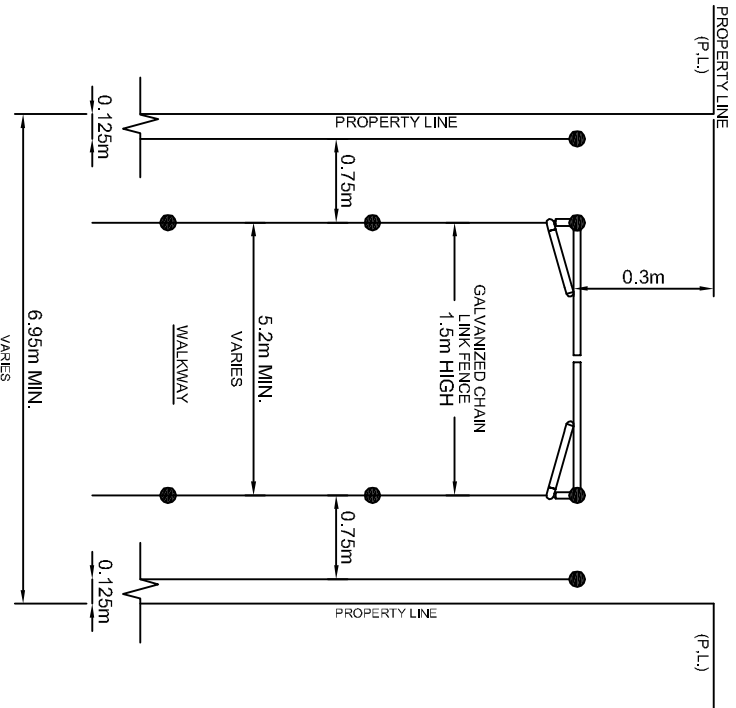


PLAN VIEW

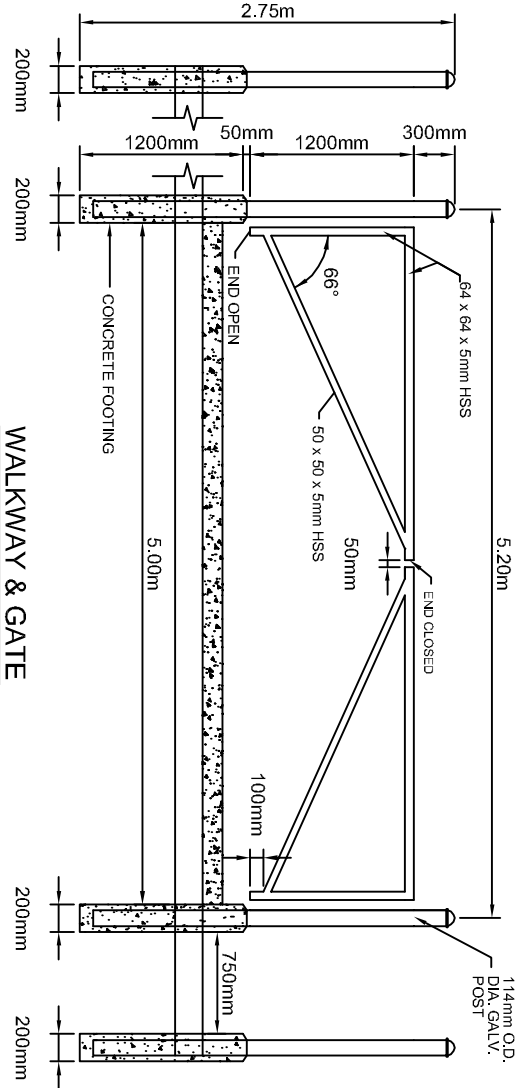
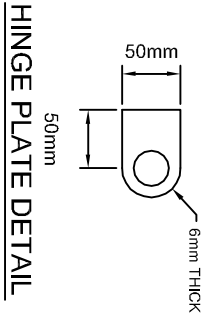
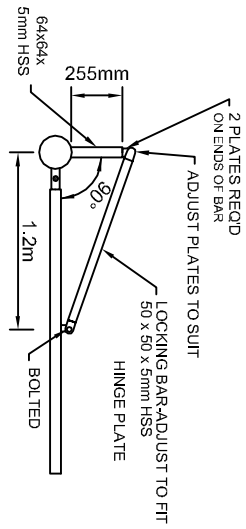
NOTE:

1. P OFFSET WALKWAY GATE BY ROMA FENCE LTD. (905-794-0416), OR APPROVED EQUAL.
2. ALL PIPE WEIGHTS TO BE SCHEDULE 40.
3. ADDITIONAL BRACE ARMS NEEDED FOR GATE ARMS GREATER THAN 2000mm.

NO.	REVISION	APR'D	DATE
1	STANDARD No. 930.1 NOW 606		JUNE 08
<b>TOWN OF CALEDON</b>			
<b>P OFFSETTING WALKWAY GATE WITH BRACE ARM</b>		APR'D: C.C.	DATE: MARCH 08
		DRAWN: B.B.	SCALE: N.T.S.
<b>STANDARD No. 606</b>			



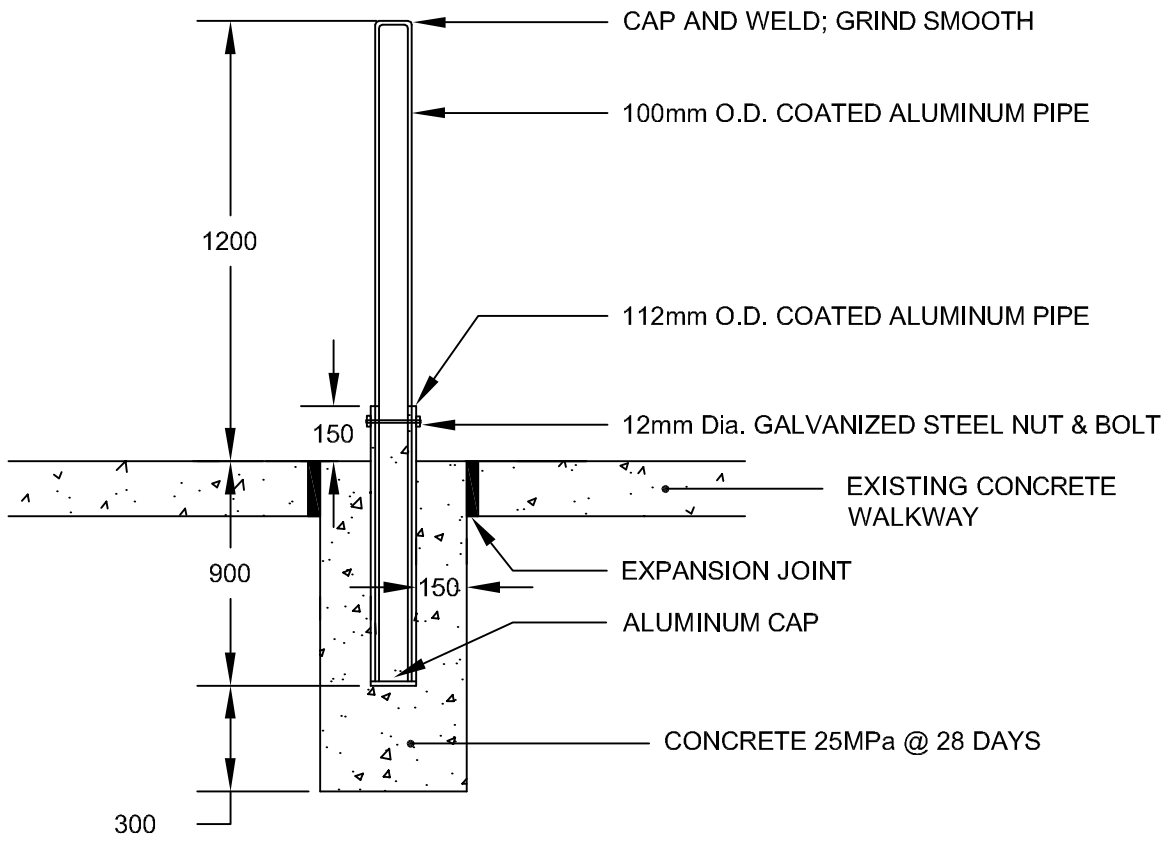
- NOTES:
1. ALL FENCE POSTS TO BE BLACK POLYETHYLENE COATING.
  2. CONCRETE 30 MPa MIN. AFTER 28 DAYS
  3. ALL JOINTS TO BE WELDED.
  4. TYPICAL 2% MIN. GROSS FALL GRADE ON WALKWAY SURFACE.
  5. WALKWAY TO BE COMPOSED OF MIN. 200mm GRANULAR 'A' COMPACTED 100 % S.P.M.D.D. AND 150mm CONCRETE.
  6. WELDING SHALL CONFORM TO THE LATEST ISSUE OF C.S.A. SPECIFICATIONS W59.
  7. HINGE PINS 19mmØ STAINLESS BOLTS WITH LOCK NUTS WELDED.
  8. GATE TO BE REMANUFACTURED AND HOT DIPPED GALVANIZED.



**TOWN OF CALEDON**

**EMERGENCY ACCESS AND WALKWAY GATE**

APRD:	C.C.	DATE:	20/1/07
DRAWN:	CTB	SCALE:	N.T.S.
NO.	1	STANDARD No. 920 NOW 607	JUNE 08
REVISION			
APRD		DATE	
STANDARD No. 607			



**NOTE:**

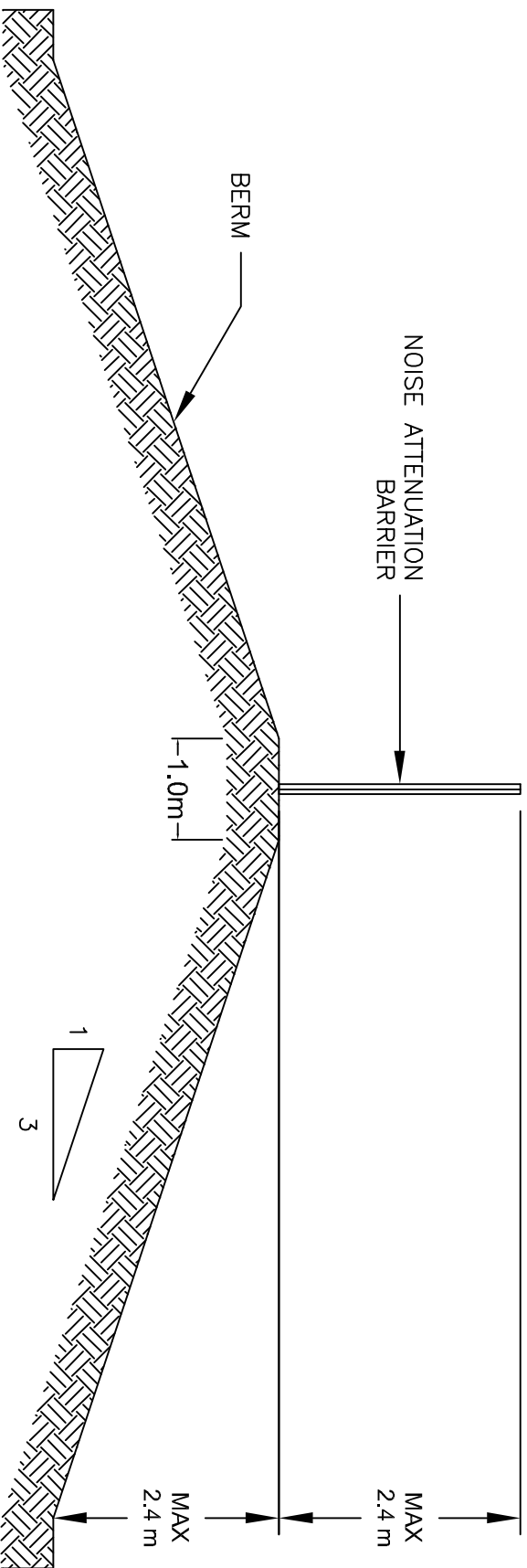
1. POST TO BE CENTERED IN MAJOR WALKWAYS.

NO.	REVISION	APR'D	DATE
1	STANDARD No. 925 NOW 609		JUNE 08

TOWN OF CALEDON

**REMOVABLE BOLLARD**

APR'D: C.C.	DATE: JAN 00
DRAWN: B.J.M.	SCALE: N.T.S.
STANDARD No. 608	



- NOTES:
1. NOISE ATTENUATION BARRIER TO BE AS PER TOWN OF CALEDON STANDARD No. 601.
  2. BERM FILL MATERIAL TO BE COMPACTED TO 98% S.P.D.
  3. BERM SLOPES TO BE SODDED (INCLUDING "PEGGING") WITH 300mm DEPTH OF TOPSOIL.
  4. FENCE TO BE LOCATED ON PRIVATE PROPERTY, AND NO PART OF BERM IS TO BE WITHIN THE MUNICIPAL R.O.W.

TOWN OF CALEDON		APRD:	C.C.	DATE:	2007/06
<b>NOISE ATTENUATION BARRIER AND BERM</b>		NO. 2	NOTE EDIT, S.P.D. CORRECTION, TOPSOIL CORRECTION STANDARD No. 931 NOW 610	JUNE 08	DRAWN:
NO.	REVISION	APRD	DATE	STANDARD No. 609	
1	TOP OF BERM CORRECTION, ADD NOTE 4		MARCH 08	SCALE:	NTS