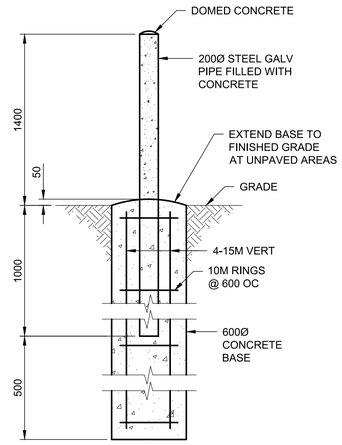
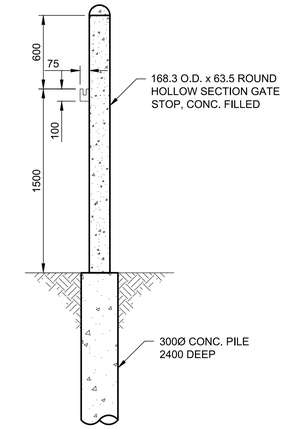


7 | DETAIL

1-0660Y-G0001-001, 1-0660Y-C0001-001 | BOLLARD

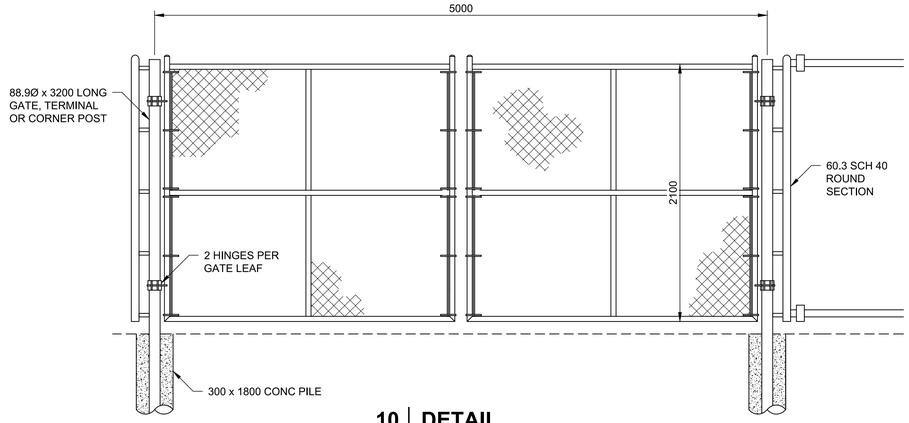
0 625 1250 mm



12 | DETAIL

1-0660Y-G0001-001 | GATE STOP

0 625 1250 mm



10 | DETAIL

1-0660Y-G0001-001 | DOUBLE LOCKABLE GATE

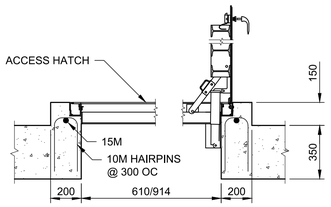
0 625 1250 mm

FENCING

1. NEW 2.1m HIGH FENCING SHALL AS PER CW 3550.
2. EXCEPT SPECIFIED OTHERWISE, FENCING SHALL BE PROVIDED IN ACCORDANCE WITH CW3550.
3. THE 2.1mm HIGH FENCING SHALL BE PROVIDED WITH THE FOLLOWING SPECIFICATIONS:
   - 3.1. TOP RAILS: SCHEDULE 40 HOT DIP GALVANIZED STEEL PIPE, IN 6.7m LENGTHS, NOT LESS THAN 43mm OUTSIDE DIAMETER.
   - 3.2. BOTTOM RAILS: SCHEDULE 40 HOT DIP GALVANIZED STEEL PIPE, NOT LESS THAN 43mm OUTSIDE DIAMETER.
   - 3.3. FABRIC SHALL BE No. 9 GAUGE STEEL WIRE WOVEN INTO A UNIFORM 50mm DIAMOND PATTERN MESH AS SPECIFIED IN CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS CW 3550-R2
   - 3.4. FABRIC SHALL BE ZINC COATED BEFORE WEAVING BY THE HOT DIP PROCESS TO AN AVERAGE MASS PER UNIT AREA OF NOT LESS THAT 490g/m2.
   - 3.5. FABRIC SHALL BE FREE OF EXCESSIVE ROUGHNESS, BLISTERS, SAL AMMONIAC SPOTS, BRUISES, OR FLAKING.
   - 3.6. TENSION BANDS SHALL BE AS SPECIFIED IN CW3550-R2 AND WITH A MAXIMUM SPACING OF 380mm ON TERMINAL POSTS.
4. FENCING SHALL BE STEPPED IF NECESSARY TO ACCOMMODATE UNEVEN GROUND.
5. CONNECTIONS TO THE EXISTING FENCE SHALL BE MADE AT POSTS.
6. BRACE FENCING AS REQUIRED.

FENCE POSTS:

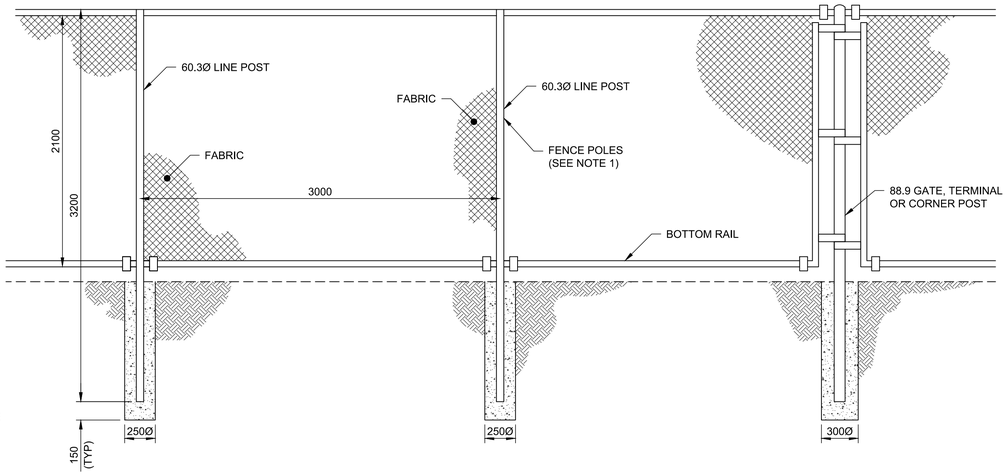
7. TERMINAL POSTS AND GATE POSTS SHALL BE INSTALLED WITH CONCRETE PILES AS SHOWN.



8 | SECTION

1-0660Y-C0001-001 | PERSONNEL ACCESS HATCH

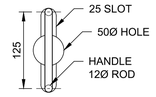
0 500 1000 mm



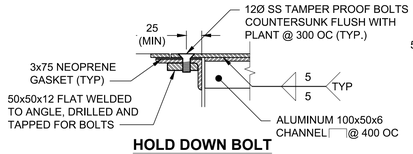
11 | DETAIL

1-0660Y-G0001-001 | FENCING

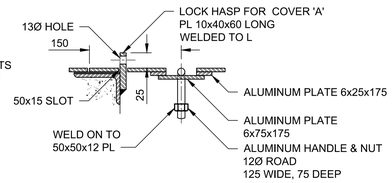
0 625 1250 mm



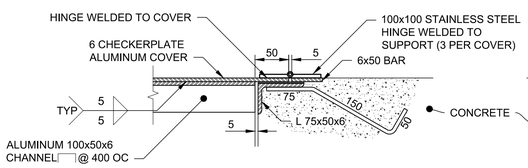
HANDLE PLAN



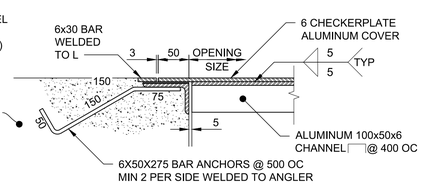
HOLD DOWN BOLT



HANDLE SECTION



HINGE SECTION

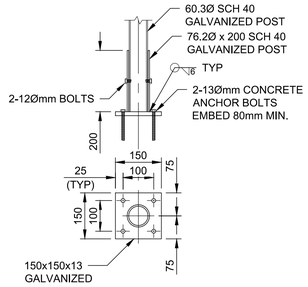


FRAME SECTION

9 | DETAIL

1-0660Y-C0001-001 | FLUSH MOUNT PIPE ACCESS HATCH

0 125 250 mm



6 | DETAIL

1-0660Y-C0001-001 | FENCE POST SOCKET

0 250 500 mm

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
AECOM Canada ULC
No. 4671

FOR INDEX SEE 1-0660Y-D0002-001

LOCATION APPROVED
UNDERGROUND STRUCTURES

SUPV. U/G STRUCTURES COMMITTEE _____ DATE _____

NOTE:

LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

B.M.
ELEV.

CONSTRUCTION COMPLETION DATE: YYYY MM DD

NO.	REVISIONS	DATE	BY
0	ISSUED FOR TENDER	25/07/22	ADL

AECOM

DESIGNED BY	MGM	CHECKED BY	JAT
DRAWN BY	ADL	APPROVED BY	KF
SCALE: HORIZONTAL	AS NOTED	RELEASED FOR CONSTRUCTION	M. Skinner
SCALE: VERTICAL	N/A		
DATE	2025 07 22	DATE	2025 07 22

PLOT DATE: 2025 07 22

ENGINEER'S SEAL
PROVINCE OF MANITOBA
J.A. THOMPSON
Member
30632
REGISTERED PROFESSIONAL ENGINEER
2025-07-22

CONSULTANT DRAWING NUMBER
C-4002

Tender No: 639-2025

Winnipeg

THE CITY OF WINNIPEG

WATER AND WASTE DEPARTMENT
ENGINEERING SERVICES DIVISION

TACHE BOOSTER PUMPING STATION
AQUEDUCT DRAIN CHAMBER
STANDARD DETAILS

SHEET 05 OF 07

CITY DRAWING NUMBER
1-0660Y-C0002-001

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