

FACILITY BUILDING LEGEND

- A-3 OFFICERS MESS AND STAFF
- A-4 LOUNGE ADMINISTRATION
- A-6 BUILDING PUMP HOUSE
- B-1 CENTRAL DOME
- B-2 SQUAD OFFICE, VAC. MAIN CONTROL, SENTENCE & CASE MGT.
- B-3 EAST WING INMATE LIVING, MENTAL HEALTH UNIT
- B-4 S.I.S., SCHOOL, CHAPEL, LIBRARY, DISSOCIATION
- B-5 WEST WING INMATE LIVING
- B-7 FEDERALLY SENTENCED WOMEN
- B-8 GAME & WEIGHT ROOM, MECH. ROOM, SOCIAL DEVELOPMENT
- B-9 PSYCHOLOGISTS TRAILER
- B-10 ELDER'S LODGE
- B-11 MAIN KITCHEN AND DINING ROOM
- B-12 HOSPITAL
- B-13 ADMITTING & DISCHARGE, WARDENS AREA
- B-14 FAMILY VISITING DUPLEX AND YARD

- C-1 NEW SHOPS DOME, PROGRAM OFFICES, PSYCHOLOGY
- C-2 INDUSTRIAL PAINT, INDUSTRIAL CARPENTER AND TAILOR SHOP
- C-3 INDUSTRIAL STORAGE, BUSINESS EDUCATION, SCHOOL, LIFE SKILLS
- C-4 INDUSTRIAL METAL CLASS ROOMS, BARBER SHOP, PSYCHOLOGY
- C-5 OLD SHOPS DOME
- C-6 PROGRAMS AND DORMS
- C-7 HOBBY SHOP AND DORMS
- C-13 BOILER HOUSE
- C-14 BOILER HOUSE WORK SHOP
- C-18 BOILER HOUSE CHIMNEY STACK
- C-19 GYM, REC. ROOM, MUSIC ROOM, INMATE CANTEN, PROJECTOR ROOM
- C-20 DEMOLISHED 2005
- C-22 LABOUR SHOP, CONCRETE SHOP, COIN BOX SHOP, UPHOLSTERY
- C-24 CENTRAL STORES AND YARD
- C-26 INFLAMMABLE STORAGE
- C-29 LAUNDRY
- C-30 MAINTENANCE SHOPS
- C-31 MAINTENANCE GARAGE
- C-32 STORAGE BUILDING
- C-33 STORES
- C-34 PRIVATE FAMILY VISIT
- C-37 FRISK BUILDING
- D-1 NORTH-EAST TOWER
- D-2 SOUTH-EAST TOWER
- D-3 SOUTH-WEST TOWER
- D-4 NORTH-WEST TOWER
- D-7 NORTH TOWER MUSEUM
- D-8 EXTERIOR PRINCIPLE
- D-9 ENTRANCE BUILDING WEST
- D-12 WALL TOWER SOUTH WALL TOWER
- H-1 OLD HOUSE
- S-1 SPECIAL HANDLING UNIT (S.H.U.)
- UNIT 7 MAXIMUM LIVING UNIT

NEW CONSTRUCTION FENCE LEGEND

TYPICAL CSC TECHNICAL CRITERIA FENCE CONSTRUCTION (Refer to Specifications)

- Chain Link Fabric: Mesh Size to be 50.8 mm, Wire Size to be 4.8 mm (6 Gauge).
- Posts shall be spaced a maximum of 2.5 m apart.
- Line Post minimum size shall be 73 mm O.D. 8.6 kg/m.
- Strain Post minimum size shall be 114 mm O.D. 15.92 kg/m. Spaced not more than 60 m apart.
- Corner and Gate Post minimum size shall be 143.3mm O.D. 21.0 kg/m.
- Bottom and Top Rails shall be 42.2 mm O.D. 3.4 kg/m.
- Tie Wires shall be 3.7 mm diameter (8 Gauge) galvanized steel wire to secure chain link fabric to bottom rail, top rail and line posts at 300 mm spacing.
- Tension Bars for holding ends of chain link fabric at locations of Strain Posts and Corner/Gate Posts shall be 5 mm x 20 mm x full height of fabric, galvanized steel.
- Tension Bar Bands shall be 3 mm x 20 mm galvanized steel spaced vertically at 300 mm.
- Posts shall be provided with post caps where post arms are not provided.
- Galvanized Steel Arms shall be provided on all posts where barbed concertina is to be installed.
- For concertina coil support at fence top, two barbed wires stretched and fixed to post arms shall be provided. Barbed Wire shall consist of two strands of 12 gauge wire with 4 point barbs at 130 mm spacing, all galvanized.
- Barbed Tape Concertina (B.T.C.) shall be supplied and installed in accordance to the specification.
- All new Fence to be 3.6m high.

- (F1) - Add new posts and Fence.
- (F1) - Supply and install new fence in accordance to CSC Technical Criteria Items 1 to 13.
- (F1) - Make Good ground where posts have been removed.
- (F1) - New Fence height: 3.6m
- (F1) - Refer to: Section 6 Sheet A.1.9.2

- (F2) - Supply and install new tie wires as per CSC Tech Criteria item 7. Provide minimum 3 complete rotation twists at back (non-inmate side) of posts.
- (F2) - Existing Fence Height: 3.6m

- (F3) - Supply and install barbed wire attached to post arms for new B.T.C. as per CSC T.C. Item 12 above.
- (F3) - Supply and install new Barbed Tape Concertina (B.T.C.) as per CSC Technical Criteria item 13.
- (F3) - Supply and install new tie wires as per CSC Tech Criteria item 7. Provide minimum 3 complete rotation twists at back (non-inmate side) of posts.
- (F3) - Existing Fence Height varies: 3.6m and 4.2m - Refer to Plan - 4.2m locations are noted

- (F4) - Supply and install new tie wires as per CSC Tech Criteria item 7. Provide minimum 3 complete rotation twists at back (non-inmate side) of posts.
- (F4) - Existing Fence Height: 3.6m unless noted otherwise.

- (F5) - Sandblast rust off chainlink fence and paint fence with paint as per paint note on drawing.
- (F5) - Supply and install new tie wires as per CSC Tech Criteria item 7. Provide minimum 3 complete rotation twists at back (non-inmate side) of posts.
- (F5) - Provide Barbed Tape Concertina (B.T.C.) as per CSC Technical Criteria Items 12 & 13.
- (F5) - Existing Fence Height: 4.2m

- (F6) - Supply and install new tie wires as per CSC Tech Criteria item 7. Provide minimum 3 complete rotation twists at back (non-inmate side) of posts.
- (F6) - Provide new Barbed Tape Concertina (B.T.C.) in accordance to CSC Technical Criteria 11, 12 & 13
- (F6) - Existing Fence Height: 3.6m

- (F7) - Where existing BTC was removed, Provide new Barbed Tape Concertina in accordance with CSC Technical Criteria 12 & 13.
- (F7) - Supply and install new tie wires as per CSC Tech Criteria item 7. Provide minimum 3 complete rotation twists at back (non-inmate side) of posts.
- (F7) - Existing Fence Height: 4.2m

- (F8) - Provide new Barbed Tape Concertina (B.T.C.) in accordance with CSC Technical Criteria 12 & 13.
- (F8) - Supply and install new tie wires as per CSC Tech Criteria item 7. Provide minimum 3 complete rotation twists at back (non-inmate side) of posts.
- (F8) - Existing Fence Height: 3.6m

- (F9) - Release mesh welds from posts
- (F9) - Supply and install new tie wires as per CSC Tech Criteria item 7. Provide minimum 3 complete rotation twists at back (non-inmate side) of posts.
- (F9) - Existing Fence Height: 3.6m

- (F10) - Supply and install new tie wires as per CSC Tech Criteria item 7. Provide minimum 3 complete rotation twists at back (non-inmate side) of posts.
- (F10) - Provide new Barbed Tape Concertina (B.T.C.) in accordance to CSC Technical Criteria 11, 12 & 13 to both sides of Fence.
- (F10) - Existing Fence Height: 3.6m

FENCE LEGEND DEMOLITION AND NEW

- EXISTING FENCE TO REMAIN AS IS. NO WORK REQUIRED AS PART OF THIS CONTRACT.
- NOTED ON DEMOLITION PLAN ONLY. REMOVE EXISTING FENCE ENTIRELY INCLUDING PILES BELOW GRADE. FILL, PACK AND REPAIR GRADE WHERE POSTS HAVE BEEN REMOVED.
- EXISTING FENCE FOR WORK AS NOTED ON DEMO AND / OR CONSTRUCTION PLANS. PATTERN OF THIS LINE IS REPRESENTATIONAL ONLY AND DOES NOT INDICATE FREQUENCY OF POSTS OR FENCE CONSTRUCTION. REFER TO KEYED NOTES ON CONSTRUCTION PLAN AND CORRESPONDING ELEVATIONS.
- NEW FENCE AS NOTED ON CONSTRUCTION PLAN
- SUPPLY AND INSTALL SUPPORTS AS REQUIRED TO BOTH SIDES OF FENCE. PROVIDE NEW 2500mm LENGTH OF BARBED CONCERTINA WIRE FROM PERIMETER FENCE ALONG TOP OF FENCE AS NOTED ON CONSTRUCTION PLAN. REFER TO SECTION 5/A1.9.2 FOR DOUBLE CONCERTINA CONDITIONS.

GATE LEGEND

TYPICAL CSC TECHNICAL CRITERIA GATE CONSTRUCTION: SWING GATES ONLY (Refer to Specifications)

- Chain Link Fabric: Mesh Size to be 50.8 mm, Wire Size to be 4.8 mm (6 Gauge).
- Vehicle Gate Framing members shall be 73 mm O.D. 8.6 kg/m galvanized pipe welded and drained.
- Vehicle Gate shall have three gate hinges. Foot, mid height and top locking shall be accomplished with detention grade cremone lock or engineered mechanism and locked with padlocks.
- Pedestrian Gate Framing members shall be 43 mm O.D. 3.4 kg/m galvanized pipe welded and drained.
- Pedestrian Gate size shall be 1.2 m X 2.1 m clear opening minimum.
- Tension Bars for holding ends of chain link fabric at locations of Gate Frame members shall be 5 mm x 20 mm x full height of fabric, galvanized steel.
- Tension Bar Bands shall be 3 mm x 20 mm galvanized steel spaced vertically at 300 mm.
- Galvanized Steel Arms shall be provided on vertical gate frame members where barbed concertina is to be installed. Vehicle Gates in Fences with B.T.C.
- For concertina coil support at gate top, two barbed wires stretched and fixed to steel arms shall be provided. Barbed Wire shall consist of two strands of 12 gauge wire with 4 point barbs at 130 mm spacing; all galvanized. Vehicle Gates in Fences with B.T.C.
- Barbed Tape Concertina (B.T.C.) shall be supplied and installed in accordance to the specifications. Vehicle Gates in Fences with B.T.C.
- Refer to sheets A1.0 - A1.8 for VMG Vehicle Motorized Gate details.
- Refer to sheet A1.9 for interior manual gate details.

GATE SIZES FOR DEMOLITION ARE AS NOTED ON DEMOLITION PLAN GATE SIZES FOR NEW ARE LOCATED ON SHEET A1.9 WITHIN GATE ELEVATIONS

- PEDESTRIAN SWING GATES
- Supply and install new pedestrian swing gate in accordance to CSC Technical Criteria Gate
- Construction Items 1, 4, 5, 6 & 7 above.
- Fence Transom above Gate to be constructed in accordance to CSC Technical Criteria Fence Construction Items 6, 8 & 9.
- Gate Posts both sides of Gate to be minimum 114 mm O.D. 15.92 kg/m
- Gate Size: Refer to Gate Type Elevation shown on Drawing A0.3

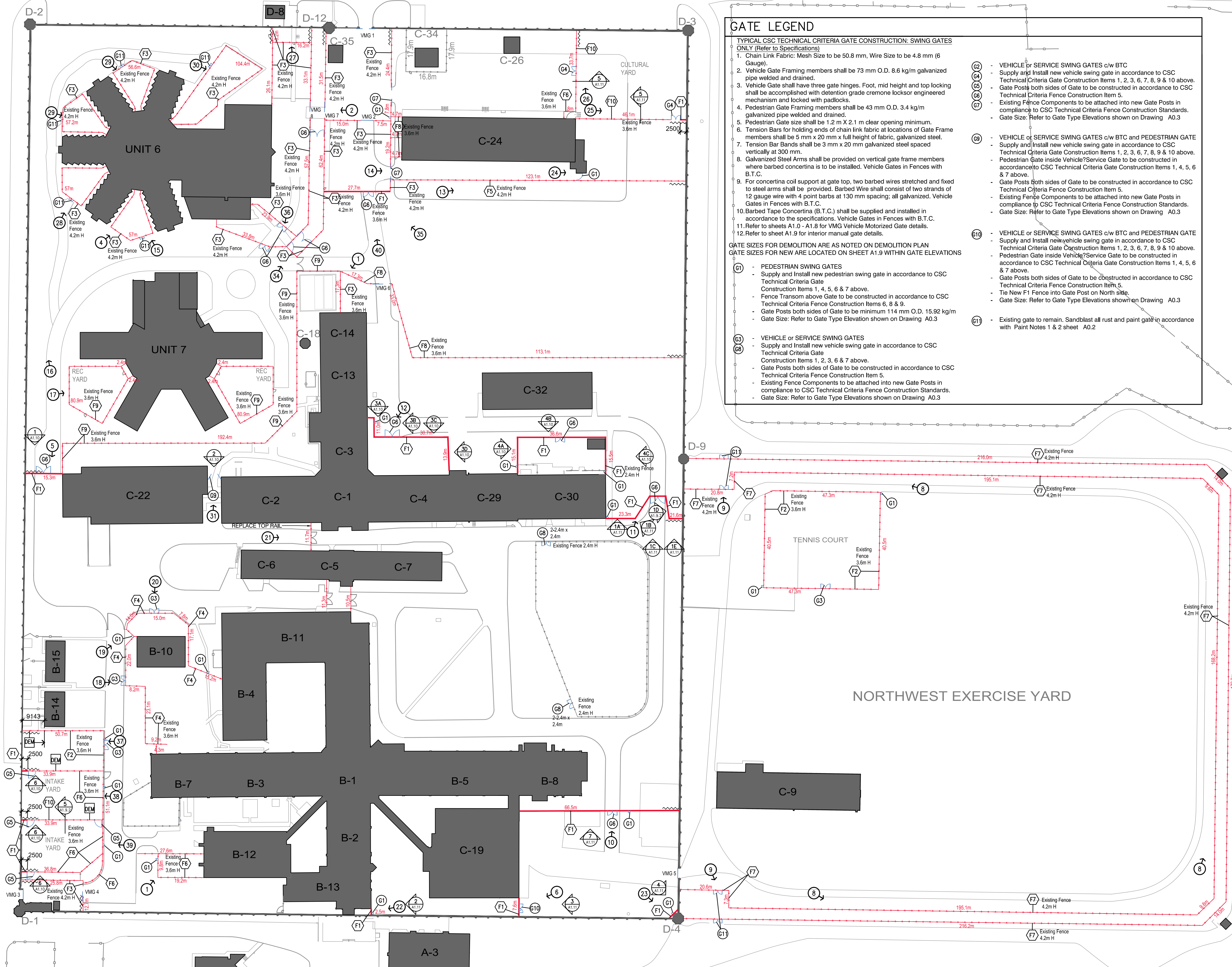
- VEHICLE or SERVICE SWING GATES
- Supply and install new vehicle swing gate in accordance to CSC Technical Criteria Gate
- Construction Items 1, 2, 3, 6 & 7 above.
- Gate Posts both sides of Gate to be constructed in accordance to CSC Technical Criteria Fence Construction Item 5.
- Existing Fence Components to be attached into new Gate Posts in compliance to CSC Technical Criteria Fence Construction Standards.
- Gate Size: Refer to Gate Type Elevation shown on Drawing A0.3

- VEHICLE or SERVICE SWING GATES c/w BTC
- Supply and install new vehicle swing gate in accordance to CSC Technical Criteria Gate Construction Items 1, 2, 3, 6, 7, 8, 9 & 10 above.
- Gate Posts both sides of Gate to be constructed in accordance to CSC Technical Criteria Fence Construction Item 5.
- Existing Fence Components to be attached into new Gate Posts in compliance to CSC Technical Criteria Fence Construction Standards.
- Gate Size: Refer to Gate Type Elevations shown on Drawing A0.3

- VEHICLE or SERVICE SWING GATES c/w BTC and PEDESTRIAN GATE
- Supply and install new vehicle swing gate in accordance to CSC Technical Criteria Gate Construction Items 1, 2, 3, 6, 7, 8, 9 & 10 above.
- Pedestrian Gate inside Vehicle/Service Gate to be constructed in accordance to CSC Technical Criteria Fence Construction Items 1, 4, 5, 6 & 7 above.
- Gate Posts both sides of Gate to be constructed in accordance to CSC Technical Criteria Fence Construction Item 5.
- Existing Fence Components to be attached into new Gate Posts in compliance to CSC Technical Criteria Fence Construction Standards.
- Gate Size: Refer to Gate Type Elevations shown on Drawing A0.3

- VEHICLE or SERVICE SWING GATES c/w BTC and PEDESTRIAN GATE
- Supply and install new vehicle swing gate in accordance to CSC Technical Criteria Gate Construction Items 1, 2, 3, 6, 7, 8, 9 & 10 above.
- Pedestrian Gate inside Vehicle/Service Gate to be constructed in accordance to CSC Technical Criteria Fence Construction Items 1, 4, 5, 6 & 7 above.
- Gate Posts both sides of Gate to be constructed in accordance to CSC Technical Criteria Fence Construction Item 5.
- Tie New F1 Fence into Gate Post on North side.
- Gate Size: Refer to Gate Type Elevations shown on Drawing A0.3

- Existing gate to remain. Sandblast all rust and paint gate in accordance with Paint Notes 1 & 2 sheet A0.2



SITE CONSTRUCTION PLAN

1:1000

PAINT

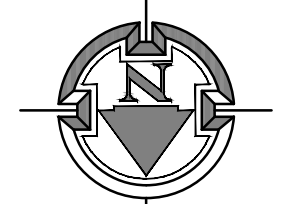
Touch-Up paint for any site welding and after sandblast removal of any rust on existing materials to be reused.

- Zinc-Rich Primer (SPRAYON S00740)
- Spray Finish Paint Coat (KRYLON INDUSTRIAL SILVER ZINC)

PHOTOGRAPH LEGEND

EXISTING SITE PHOTOS

- 1 DENOTES DIRECTION PHOTO WAS TAKEN AND CORRESPONDING NUMBER TO IMAGE FOUND ON SHEET A0.3



DENOTES DEMISING FENCE WITH INMATES ON TWO SIDES/ALL WIRE TIES ARE TO BE SPOT WELDED



DAVID R. COUPLAND Reg. No. 542 Calgary

1	ISSUED FOR ADDENDUM #1	2018/01/29
0	ISSUED FOR TENDER	17/07/04

REVISIONS	DESCRIPTION	DATE
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A	detail number	number du détail	A
C	source drawing no.	de dessin no.	B/C
	detail on drawing no.	détail sur dessin no.	

project title / titre du projet

GATE AND FENCE REPAIR AND REPLACEMENT SASKATCHEWAN PENITENTIARY PRINCE ALBERT, SASKATCHEWAN

drawing title / titre du dessin

SITE CONSTRUCTION PLAN

designed by / conçu par DRC

drawn by / dessiné par DRC & JCG

approved by / approuvé par

PM/SC Project Manager / Administrateur de Projets TPSGC

scale / échelle AS NOTED

project no. / projet no. R.058018.001

date / date 2017-07-04

sheet / feuille A0.2 OF XX