



REFER TO W1-6-02B FOR DETAILS AND SECTIONS

ELEVATION - CHAINWIRE MESH SECURITY FENCE & MAIN GATES (MANUAL)

NOTES

- 'INPUT' INDICATES INFORMATION REQUIRED FROM DESIGNER.
A) CHAINWIRE MESH 2100 AND 2400mm HEIGHTS ONLY.
B) FENCE TYPE 1 - RAIL-LESS / 3 BARBED TOP (VERTICAL OR CRANKED) FENCING WITH DIAGONAL FENCE STAYS AND OPTIONAL BACK STAYS (NO BRACING STRUTS).
C) ALL GATE DESIGNS TO AS 1725.1.
- CONSTRUCT THE FENCE AS SHOWN ON THE SITE PLAN AND THIS DRAWING - MODIFIED VERSION OF AS 1725.1.
- PROVIDE A CONCRETE MOWING STRIP ALONG THE CENTRE OF THE CHAINWIRE MESH FENCING UNLESS OTHERWISE SPECIFIED. MOWING STRIP SHALL NOT CROSS GATES. MOWING STRIP TO BE 150mm WIDE, 150mm DEEP AND FINISHED 50mm PROUD OF F.S.L. TROWEL FINISH CONCRETE, CURVE CONCRETE EDGES, AND PROVIDE 10mm FALL ON SURFACE AWAY FROM POSTS.
- WITH EXCEPTION OF THE BARBED WIRE, ALL GALVANISED PARTS ARE TO BE POWDER COATED TO AS 4506 WITH A C5 - 3 COAT SYSTEM (BLACK) MIN. 100µm THICK WHERE NOT NOMINATED.
- REMOVE SURPLUS EARTHWORKS MATERIAL FROM SITE, OR SPREAD WHERE DIRECTED.
- INSTALL CORNER POSTS AT ALL CHANGES OF DIRECTION. INSTALL STRAINER POSTS AT ALL CLEARLY DEFINED CHANGES OF GRADE. SPACE STRAINER POSTS BETWEEN CHANGES OF GRADE AT INTERVALS NOT EXCEEDING 27m. SPACE INTERMEDIATE POSTS EVENLY BETWEEN GATE, CORNER AND STRAINER POSTS AT INTERVALS NOT EXCEEDING 3.3m.
- PLACE BRACING ON THE INSIDE OF THE AREA SECURED.
- WHERE REQUIRED TO EARTH ELECTRICAL EQUIPMENT, WELD EARTH FLAGS TO APPROPRIATE POSTS JUST ABOVE F.S.L. FOR CONNECTION OF ELECTRICAL EARTH BRAID.
- PRE-DRILL HOLES THROUGH ALL POSTS AT THE HEIGHT OF EACH OF THE

- SUPPORT CABLES.
- THREAD A SINGLE STRAND OF THE SUPPORT CABLE THROUGH THE PRE-DRILLED HOLES IN THE POSTS. RUN A SECOND STRAND OF SUPPORT CABLE TO PASS OVER THE OUTSIDE FACE OF ALL POSTS. SECURE BOTH STRANDS OF SUPPORT CABLE BY WRAPPING STRANDS AROUND GATE AND CORNER OR END POSTS A MINIMUM OF TWO PASSES. TWIST STRANDS TOGETHER TO PROVIDE 1 - 1.2kN OF TENSION ON SUPPORT CABLE, DO NOT TENSION UNTIL CONCRETE FOOTINGS ARE CURED.
- PLACE CHAINWIRE ON THE OUTSIDE OF POSTS. STRAIN TO 1 - 1.2kN OF TENSION AND SECURE CHAINWIRE TO ALL SUPPORT CABLES AND POSTS, EXCEPT END POSTS AND GATE POSTS, WITH TIE WIRES AT INTERVALS OF NOT MORE THAN 500mm. FULLY LACE CHAINWIRE TO END POSTS AND GATE POSTS THROUGH EACH DIAMOND WITH TIE TO EACH SELVEDGE EDGE.
- SECURE BARBED WIRE TO POSTS USING TIE WIRE THREADED THROUGH HOLES IN POST EXTENSIONS. STRAIN TO PROVIDE 1 - 1.2kN OF TENSION. TWIST EACH TIE WIRE TWICE AND NEATLY CUT THE ENDS OFF.
- DEGREASE AND CLEAN ALL WELDS AND BLACK METAL SURFACES AND COAT WITH TWO PACK ORGANIC ZINC RICH PRIMER, TO APAS SPECIFICATION 2916, DFT GREATER THAN OR EQUAL TO 70 MICRONS.
- USE A CONCRETE BLOCK 150 DIA. x 350 DEEP WITH DN25 SOCKETS TO SECURE THE GATE IN THE OPEN POSITION.
- COMPLIANCE STANDARDS ARE AS FOLLOWS: STEEL TUBE - CLASS 1 MEDIUM GALVANISED TUBE (MGT) TO AS/NZS 1163 (STRENGTH GRADE 250 MPa), STEEL PLATE TO AS/NZS 3678, STEEL BAR TO AS 1443, BARBED WIRE TO AS 2423, GALVANISING TO AS/NZS 4680, CONCRETE TO AS 1379 AND CONCRETE WORK TO AS 3600.
- ALL POSTS TO BE BITUMINOUS DIPPED PRIOR TO POURING FOUNDATION.

SCHEDULE OF MATERIALS

MAIN GATE POST	DN80 MGT - 88.9 O.D. - 4.0 THICKNESS (POWDER COATED - BLACK)
STRAINER POST	DN50 MGT - 60.3 O.D. - 3.6 THICKNESS (POWDER COATED - BLACK)
CORNER POST	DN50 MGT - 60.3 O.D. - 3.6 THICKNESS (POWDER COATED - BLACK)
INTERMEDIATE POST	DN40 MGT - 48.3 O.D. - 3.2 THICKNESS (POWDER COATED - BLACK)
BRACING STAY	DN32 MGT - 42.2 O.D. - 3.2 THICKNESS (POWDER COATED - BLACK)
MAIN GATE TOP DIAGONAL BRACE	DN20 MGT - 26.9 O.D. - 2.3 THICKNESS (POWDER COATED - BLACK)
MAIN GATE INNER FRAME	DN25 MGT - 33.7 O.D. - 2.6 THICKNESS (POWDER COATED - BLACK)
MAIN GATE OUTER FRAME	DN32 MGT - 42.2 O.D. - 2.6 THICKNESS (POWDER COATED - BLACK)
STEEL CAP	3.2 THICK PRESSED GALVANISED STEEL (POWDER COATED - BLACK)
PEDESTRIAN GATE POST	DN50 MGT - 60.3 O.D. - 3.6 THICKNESS (POWDER COATED - BLACK)
PEDESTRIAN GATE UNDER 1200mm WIDE - OUTER FRAME	DN25 MGT - 33.7 O.D. - 2.6 THICKNESS (POWDER COATED - BLACK)
PEDESTRIAN GATE UNDER 1200mm WIDE - INNER FRAME	DN20 MGT - 26.9 O.D. - 2.3 THICKNESS (POWDER COATED - BLACK)
PEDESTRIAN GATE UNDER 1200mm WIDE - TOP DIAGONAL BRACING	DN20 MGT - 26.9 O.D. - 2.3 THICKNESS (POWDER COATED - BLACK)
CHAINWIRE MESH	2100-2400 HIGH - HEAVY DUTY 3.15 WIRE CHAIN LINKED FABRIC (50mm PITCH) - EXTRUDED PLASTIC COATING (BLACK PVC TO AS 2423)
SUPPORT CABLES	TWO STRANDS OF 3.15 WIRE - EXTRUDED PLASTIC COATING (BLACK PVC TO AS 2423)
LACING / TIE WIRE	2mm WIRE - EXTRUDED PLASTIC COATING (BLACK PVC TO AS 2423)
BARBED WIRE (GALV.)	DOUBLE STRAND 2.5mm 'IOWA' PATTERN WITH 2mm FOUR (4) POINTS BARBS AT 90 CENTRES
GATE HINGE	STEEL HEAVY DUTY GALVANISED (POWDER COATED - BLACK)
DROP BOLT	16 DIA STEEL BAR HEAVY DUTY GALVANISED (POWDER COATED - BLACK)
DROP BOLT SOCKET	DN25 STEEL TUBE HEAVY DUTY GALVANISED
EARTH FLAG	50 x 50 x 6 STEEL PLATE WITH 14 DIA HOLE DRILLED CENTRALLY, (POWDER COATED - BLACK)
CLIP	STANDARD PATTERN STEEL GALVANISED
CONCRETE	GRADE N25 (F'c 25MPa) 20mm MAXIMUM AGGREGATE
HANDHOLD	16 DIA STEEL BAR HEAVY DUTY GALVANISED (POWDER COATED - BLACK)
HEAVY STRIKER PLATE	12 STEEL PLATE HEAVY DUTY GALVANISED (POWDER COATED - BLACK)

5	GENERAL AMENDMENTS 2021.	PW	JUNE'21	JR	DC
4	REDRAWN IN AUTOCAD.	AW	OCT'18	JR	DC
3	PEDESTRIAN GATE ADDED. NOTES AMENDED.	RGI	AUG'08	RJ	JP
2	FOUNDATION CONCRETE REVISED TO N20, NOTES 1, 14 & 16 REVISED. NOTES 9 & 10 ADDED.	RGI	APR'03	MCH	NWM
1	REMOVED CRANKED POSTS, ADDED SCHEDULE OF MATERIALS & HASP AND STAPLE, MODIFIED TITLE.	ATS	MAY'01	IW	JP
NO	DESCRIPTION	DRN	DATE	CKD	APPD
AMENDMENTS					



DES	T&S (DTW)	WATER STANDARD DRAWING		
DRN	A.DAVIS	MISCELLANEOUS		
CHK	R.INNES	COMPOUND CHAINWIRE SECURITY FENCE		
APPD	F.ROBSON	ELEVATION, NOTES AND SCHEDULE OF MATERIALS		
SCALE	N.T.S.	A3	DRAWING NUMBER	W1-6-02A
ISSUED	SEPT'99			5
ALL DIM. IN mm		CAD PRODUCT - DO NOT AMEND MANUALLY		AMDT
DRAFTING STANDARD TO A.S.1100				