

## 12 / A2.10

### 2-0095 - MS-1 MOWING/SPLASH STRIP - PEA GRAVEL

100MM - 15-25 DIA. PEA GRAVEL  
ON 150 COMPACTED GRANULAR A BASE  
NON-WOVEN GEOTEXTILE  
(TERRAFIX 270 OR EQUIVALENT)  
EDGE RESTRAINT SYSTEM  
STRUCTUREDGE - ALUMINUM  
HARDSCAPE EGING RESTRAINT  
INSTALL PER MANUFACTURER'S  
SPECIFICATION

EXTERIOR WALL FACE

FOUNDATION WALL

100

150

300

150 MIN.

PROVIDE 1L SAMPLE  
OF PEA GRAVEL FOR  
REVIEW PRIOR TO  
PLACEMENT

UNDISTURBED SUBGRADE

COMPACTED SUBGRADE

MS-1

EXTERIOR

SUBMITTAL  
REQ'D

[illegible]

6 / A2.10

2-018 - LSB-HIGH - LIGHT STANDARD HIGH BASE TYPE

**HIGH BASE**

CAST-IN-PLACE ARCHITECTURAL CONCRETE BASE

GALVANIZED STEEL 1" BOLTS AS SUPPLIED BY POLE MANUFACTURER

ALUMINUM COLOR ACCENT BAND

PRECASTED CONCRETE FORM

REMOVE PREFABRICATED FORM WITHIN 24 HOURS OF POUR. WIRE BRUSH TO REMOVE REMAINING FORM MATERIAL. USE RUBBING STONE TO REMOVE ROUGH EDGES AND VERTICAL SEAMS.

IF THERE RISK OF DAMAGE DURING SUBSEQUENT WORK, FORM HALVES CAN BE WIRE TIED AROUND FINISHED WORK TO PROTECT FROM DAMAGE UNTIL WORK IS COMPLETE

510 DIA.  
480 DIA.

POLE CENTERLINE 900mm FROM BACK FACE OF CURB (WHERE APPLICABLE)

900

LIGHT POLE  
POLE BASE  
COVER  
LOCK NUTS  
LEVELING NUTS  
ACCENT BAND

GC  
CITY

850 ABOVE GRADE

GRADE

BACK FACE OF CURB

90°

BASE BURIAL DEPTH 'd'  
(SEE ALSO NOTE 5)

FIBER FORM  
900" TYP.

TOP OF CONVENTIONAL FIBER TUBE FORM AT 50" BELOW FINISHED GRADE

50mm RIGID PVC CONDUIT SLEEVE - 915 RADIUS (REFER TO ELECTRICAL)

15mm RIGID CONDUIT SLEEVE FOR GROUND CONNECTION AS REQUIRED & SPECIFIED-SEE DIMS. (REFER TO NOTE 4)

6-20M REINFORCED RODS & 10M TIES PER ANTO

PROVINCIAL STANDARD DRAWING ORSD-2200 01

19MM DIA. 3M LONG COPPER COATED STEEL GROUNDING ROD (SCHEMATIC LOCATION ON SITE)

460 dia.

POLE LENGTH (m)	BASE BURIAL DEPTH (m)	REINFORCED ROD LENGTH (m)
3.0	1.50	H+1.35
3.6	2.15	H+2.00
7.6	2.15	H+2.00
7.5	2.15	H+2.00
8.7	2.45	H+2.30
9.0	2.45	H+2.30
10.5	2.60	H+2.45

**NOTES:**

1. CAST-IN-PLACE CONCRETE MECHANICALLY VIBRATED AND HAND TAPPED TO ENSURE BEST FINISHED RESULT. TOP OF BASE SHALL BE REVEALED SMOOTH AND LEVEL.
2. NOTE: POOR FINISH RESULTS WILL BE REJECTED AND REWORKED AT NO ADDITIONAL COST TO THE CONTRACT.
3. CONCRETE SHALL BE 25mPa, 5-8% AIR ENTRAINED, CLASS-C2 EXPOSURE.
4. MINIMUM OF TWO SLEEVES REQUIRED FOR EACH CONCRETE FORMWORK CONTRACTOR TO VERIFY OPENING SIZE IN POLE BASE PLANT PRIOR TO SETTING CONDUIT SLEEVES.
5. PROVIDE A 19mm DIAMETER 3000mm ESA COPPER COATED GROUND ROD ADJACENT TO POLES IN ACCORDANCE WITH ESA AND ANY OTHER AUTHORITIES HAVING JURISDICTION. CONDUCT TO METAL POLE WITH BARE COPPER CONDUCTOR. IF THERE IS A COMBINATION OF HIGH AND LOW LIGHT STANDARD BASES INDICATED, REELECT HEIGHT OF LIGHTING POLE AT HIGH BASE INSTALLATIONS BY 350mm TO ENSURE FIXTURE HEIGHT MATCHES FIXTURE HEIGHT OF LOW LIGHT STANDARD. LIGHT POLE HEIGHT MUST BE NOTED ON SUBMITTALS.
6. POLE BASE BURIAL DEPTH 'd' SHALL IN BE IN ACCORDANCE WITH TABLE (INSET). POLE INSTALLATION IS SUBJECT TO SOIL CONDITIONS. INDEPENDENT INSPECTION AND TESTING COMPANY TO CONFIRM SUBGRADE CAPACITY PRIOR TO PLACEMENT.

SUBMITAL  
READ

FIELD  
INSPECTION  
READ

[illegible]

**4 / A2.10**

2-0110 - BF-2 HCP SIGN FIXED POST

**POST MOUNTED SIGN - FIXED POST**

**SIGN FACE**

- 1.6mm THICK ALUMINUM SIGN BLANK
- HOLES - METRO PUNCH

**MOUNTING**

MOUNT SIGN FACE TO POST WITH TWO GALVANIZED  
12mm HEX HEAD BOLTS AND NUTS WITH FLAT WASHERS  
ON BOTH SIDES

**POST**

75mm dia. GALVANIZED STEEL POST c/w POST CAP IN  
300mm dia CONCRETE FOOTING

**PAVING SIGN**

**GRAPHIC**

PAINTED INTERNATIONAL SYMBOL OF ACCESSIBILITY.  
COLOUR TO MATCH ADJACENT PAINTED PARKING LINES.

**PAVING SIGN**

LOCATE ONE POST  
MOUNTED SIGN AT EACH  
PARKING SPACE PROVIDED  
SIGNAGE TO CONFORM TO  
LOCAL AUTHORITIES  
HAVING JURISDICTION

FINISHED GRADE

1880  
1755  
75  
400  
300  
700

300

300

35  
15  
125  
150  
75  
32  
10  
30

450

BLACK LETTER "P",  
LEGEND AND BORDER

20MM RED REFLECTIVE  
ANNULAR BAND

BLUE REFLECTIVE BACKGROUND  
AND OUTLINE

WHITE REFLECTIVE SYMBOL AND BORDER

BLACK LETTER "P", LEGEND AND BORDER  
WHITE REFLECTIVE BACKGROUND

900 X 610

ADA MANDATORY REQUIREMENT

[illegible]

## 2 / A2.10

### TYPICAL FENCE PANEL

- 38x140mm HORIZONTAL COMPOSITE FENCE BOARDS BOLTED TO FENCE POSTS @ 150MM o/c
- BOLTS SHALL BE 9.5mm DIA. CARRIAGE BOLTS CW WASHERS & NYLON INSERT LOCK NUTS (4 BOLTS PER BOARD).

### PREF-DRILL FENCE POSTS PRIOR TO BOARD INSTALLATION

The diagram illustrates the construction of a typical fence panel. It includes a side elevation view on the left showing a vertical post with horizontal composite boards attached. Key dimensions include a total height of 1200 mm, a minimum post height of 3018 mm, and a minimum footing depth of 960 mm. The top section shows the 'TOP OF FENCE' with a 102x76x6.4 angle at the top and back-to-back L89x76x9.5 angles connecting the boards. The bottom section shows the 'BASE OF FENCE' with a 76x76x4.8 angle at the base of the footing. A plan view at the bottom shows the 'PLAN FENCE DETAIL' with a concrete footing, gate swing area, and gate latching mechanism. Dimensions for the footing include a 300 mm diameter and a 25 mm gap between sections.

**FENCE SECTION**

- 1200
- MIN. POST HEIGHT
- 3018 - MIN. POST HEIGHT
- 2058
- 102x76x6.4 TOP ANGLE
- LINE OF VERTICAL FENCE POST BEYOND
- LINE OF COMPOSITE BOARD CLEAT BOLTED TO ANGLE
- 38x140 COMPOSITE FENCE BOARD (HORIZONTAL)
- TRANSFORMER SIDE
- L76x76x4.8 BOTTOM ANGLE
- SLOPE TOP OF FOOTING
- FINISHED GRADE
- CONCRETE FOOTING
- MIN. FOOTING DEPTH
- 960
- 300 DIA.
- GATE SWING (CLEAR)

**TOP OF FENCE**

- 102x76x6.4 ANGLE
- BACK-TO-BACK L89x76x9.5 ANGLES (FENCEPOSTS)
- 38x89 COMPOSITE BOARD
- CLEAT BOLTED TO ANGLE
- 38x140 COMPOSITE BOARD

**BASE OF FENCE**

- BACK-TO-BACK L89x76x9.5 ANGLES (FENCEPOSTS)
- 38x89 COMPOSITE BOARD
- CLEAT BOLTED TO ANGLE
- 38x140 COMPOSITE BOARD
- 76x76x4.8 ANGLE
- TOP OF FOOTING

**PLAN FENCE DETAIL**

- TOP OF FOOTING
- 38x140 COMPOSITE BOARD
- YARD SIDE
- TRANSFORMER SIDE
- 25 GAP
- 76x76x4.8 ANGLE BELOW (102x76x6.4 ANGLE ABOVE)
- 38x89 COMPOSITE BOARD
- CLEAT BOLTED TO ANGLE
- CARRIAGE BOLT & WASHERS - 4 PER CLEAT
- BACK-TO-BACK L89x76x9.5 ANGLES (FENCEPOSTS)
- TOP OF FOOTING
- GATE LATCH - SEE 2-0017-TF-2 FOR DETAIL
- GATE HINGES - SEE 2-0017-TF-2 FOR DETAIL

**NOTES:**

- ALL STEEL GALVANIZED (INCLUDING HINGES AND LATCH). PAINT ALL GALVANIZED STEEL AFTER INSTALLATION TO ENSURE UNIFORM APPEARANCE. PAINT COLOUR TO MATCH GALVANIZED STEEL.
- ENGINEERING STAMPED DRAWING REQUIRED PRIOR TO FABRICATION.
- CONCRETE SHALL BE CLASS C2, 32 MPa CONCRETE COMPLETE WITH 5-8% AIR ENTRAINMENT

**Zn**

**ALL STEEL ENGINEERED GALVANIZED SUBMITTAL RECORD**

**ENGINEERED SIGNOFF**

**2-0017 - TF-2 - FENCE GATE HINGE AND LATCH DETAILS**

**PLAN HINGE AND LATCH DETAILS  
(WHERE GATE IS DETAIL)**