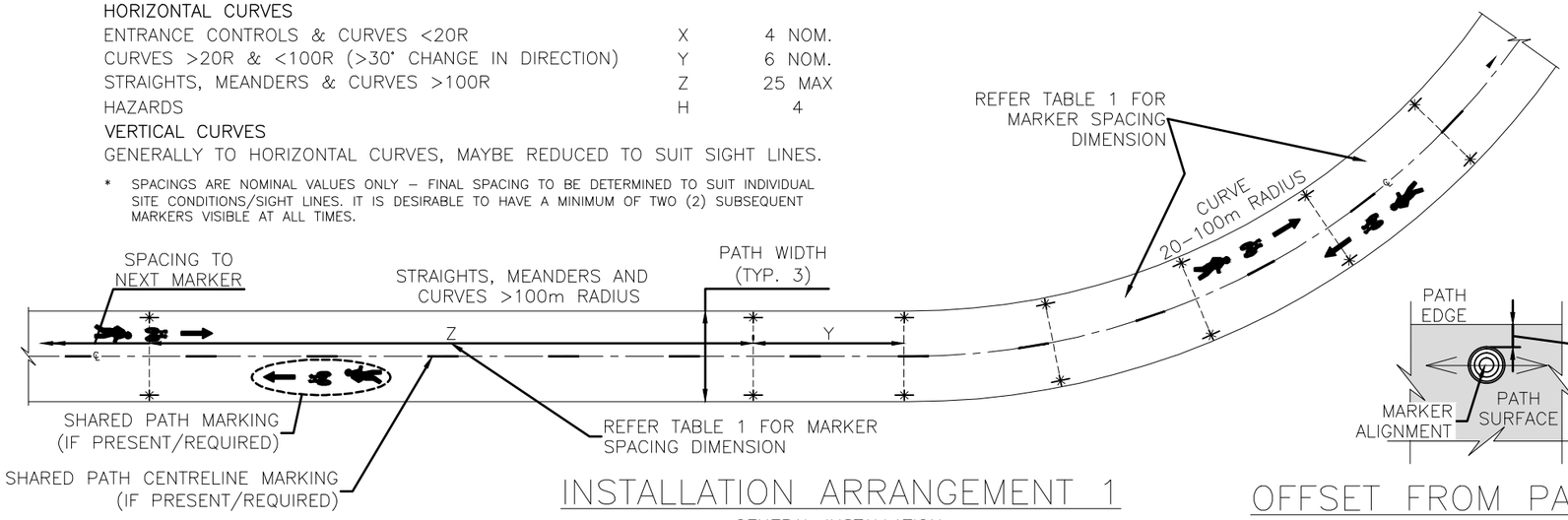
TABLE 1 – SOLAR MARKER SPACINGS

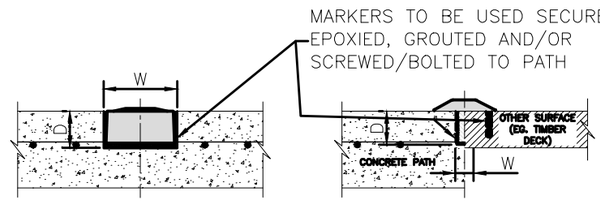
LOCATION	IDENTIFIER	SPACING*
HORIZONTAL CURVES		
ENTRANCE CONTROLS & CURVES <20R	X	4 NOM.
CURVES >20R & <100R (>30° CHANGE IN DIRECTION)	Y	6 NOM.
STRAIGHTS, MEANDERS & CURVES >100R	Z	25 MAX
HAZARDS	H	4
VERTICAL CURVES		
GENERALLY TO HORIZONTAL CURVES, MAYBE REDUCED TO SUIT SIGHT LINES.		

* SPACINGS ARE NOMINAL VALUES ONLY – FINAL SPACING TO BE DETERMINED TO SUIT INDIVIDUAL SITE CONDITIONS/SIGHT LINES. IT IS DESIRABLE TO HAVE A MINIMUM OF TWO (2) SUBSEQUENT MARKERS VISIBLE AT ALL TIMES.



INSTALLATION ARRANGEMENT 1

GENERAL INSTALLATION
STRAIGHTS AND CURVES >20m RADIUS



FLUSH MOUNTED TYPE (PREFERRED TYPE)

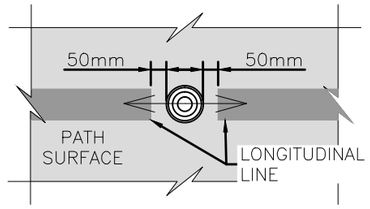
SURFACE MOUNTED TYPE (ALTERNATE TYPE)

TYPICAL CROSS SECTIONS

W AND D TO SUPPLIER/MANUFACTURER REQUIREMENTS

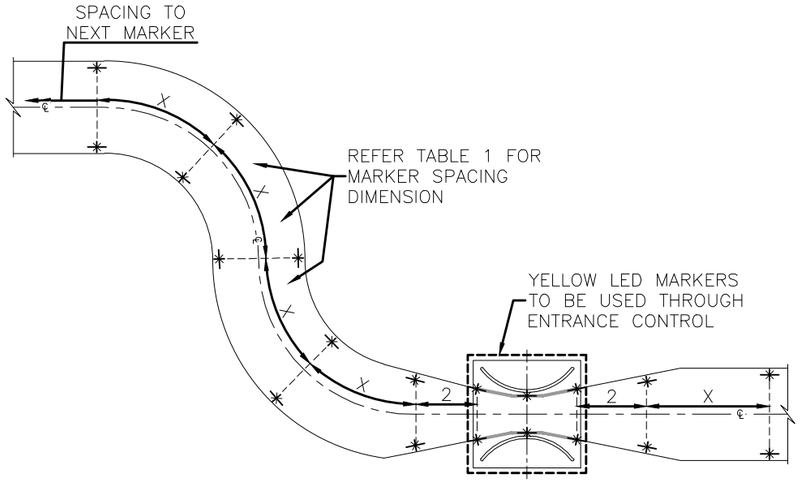
OFFSET FROM PATH EDGE

CIRCULAR, FLUSH MOUNTED TYPE SHOWN AS EXAMPLE



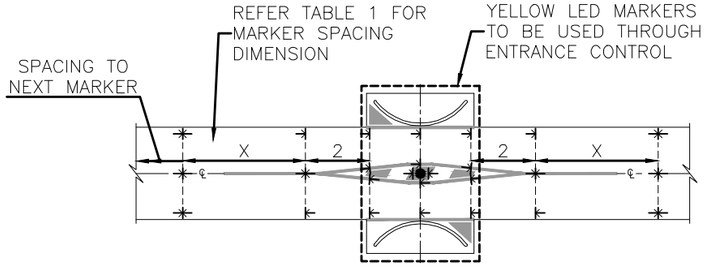
LONGITUDINAL LINE AT MARKER

CIRCULAR, FLUSH MOUNTED TYPE SHOWN AS EXAMPLE



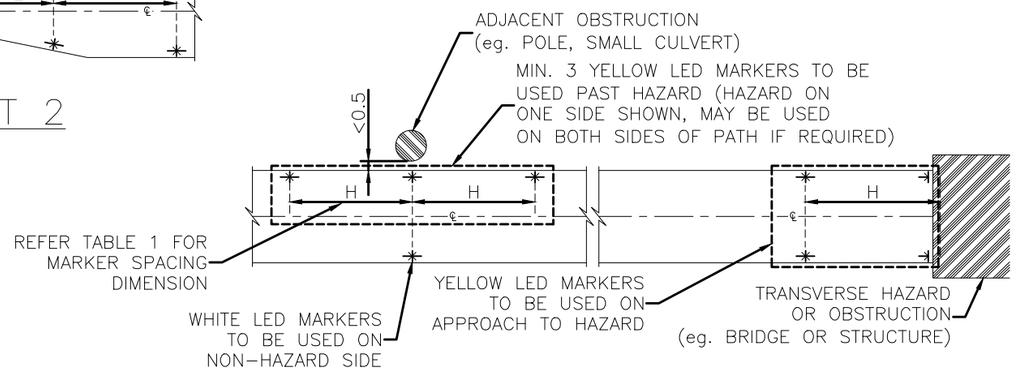
INSTALLATION ARRANGEMENT 2

INSTALLATION AT TYPE 1 ENTRANCE CONTROL
AND TIGHT CURVES (<20m RADIUS)



INSTALLATION ARRANGEMENT 3

INSTALLATION AT TYPE 2 ENTRANCE CONTROL



INSTALLATION ARRANGEMENT 4

INSTALLATION PAST OR APPROACHING A HAZARD

LEGEND

- BI–DIRECTIONAL SOLAR LED MARKER
- UNI–DIRECTIONAL SOLAR LED MARKER

NOTES:

1. USE OF SOLAR POWERED MARKERS TO BE IN ACCORDANCE WITH REQUIREMENTS OF BCC POLICY AT03 SHARED PATHWAY LIGHTING – INSTALLATION GUIDE.
2. FLUSH MOUNTED SOLAR LED MARKERS PREFERRED TYPE. SURFACE MOUNTED MARKERS TYPICALLY TO BE USED ON STRUCTURES OR WHERE CORING INTO SURFACE NOT POSSIBLE (EG. TIMBER DECKING).
3. SOLAR LED MARKER TO BE SECURELY AFFIXED TO PATH.
4. WHITE MARKERS TO BE USED IN GENERAL GUIDANCE AND DIRECTIONAL SITUATIONS, YELLOW MARKERS TO BE USED IN HAZARD AND ENTRANCE CONTROL LOCATIONS.
5. ALL LINEAR DIMENSIONS (i.e. ALONG THE PATH) TO BE MEASURED ALONG THE PATH CENTERLINE.
6. REFER BRISBANE CITY COUNCIL STANDARD DRAWINGS BSD–5001 AND BSD–5002 FOR ENTRANCE CONTROL SETOUT DETAILS.
7. REFER BRISBANE CITY COUNCIL STANDARD DRAWINGS BSD–5007 FOR SHARED PATH PAVEMENT MARKING DETAILS.
8. SPACINGS SHOWN IN TABLE 1 ARE TYPICAL SPACING FOR MARKERS – SPACINGS MAYBE DECREASED TO ACCOUNT FOR SIGHT LINES AND MAINTAIN CONSTANT VISIBILITY THROUGH HORIZONTAL AND VERTICAL CURVES.
9. FOR MARKER TECHNICAL SPECIFICATIONS, REFER BRISBANE CITY COUNCIL REFERENCE SPECIFICATION FOR CIVIL ENGINEERING WORKS S156 SOLAR ROAD AND BIKEWAY MARKERS.
10. SOLAR LED MARKERS INSTALLED TO SUPPLIER AND/OR MANUFACTURER REQUIREMENTS.
11. ALL DIMENSIONS IN METRES (U.N.O.)

ISSUE	AMENDMENT	DRAWN DATE	CHK'D DATE	APPR'D DATE
A	Drawing Converted from UMS Series April 2014	APR '14	APR '14	APR '14

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P COTTON DATED 24/09/09
MANAGER CITY ASSETS, R.P.E.Q. 2546
STRATEGIC ASSET MANAGEMENT

DESIGN APPROVED
SIGNATURE ON ORIGINAL
I CONDRIC (RPEQ 8951) DATED 18/09/09
PRINCIPAL ENGINEER
STRATEGIC ASSET MANAGEMENT

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ASSOCIATED PLANS	SUPERSEDES UMS-260		

BRISBANE CITY COUNCIL STANDARD DRAWING

TYPICAL REQUIREMENTS FOR SOLAR LED MARKERS: OFF–ROAD SHARED/BICYCLE PATHS

SCALE NOT TO SCALE
DWG No. BSD–11032
ORIGINAL SIZE A3
REVISION A