Drafting and Design Presentation Standards Manual
Volume 1: Chapter 2 – General Standards
Appendix 2A TMR String Naming Conventions

October 2016

Queensland Government

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Amendment Register

Issue / Rev no.	Reference section	Description of revision	Authorised by	Date
1	-	Update to Corporate Template	Owen Arndt	February 2014
2	Chapter 2 Appendix 2A	Addition of introductory paragraph	Director (Road Design) Geospatial, Design and Capability (E&T)	October 2016
	Chapter 2 Appendix 2A	Removal of string naming convention for survey		

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1 String naming conventions

The following table contains the department's design string naming convention (i.e. specific design feature with corresponding label) for most design data used for the planning, design development and construction of projects undertaken for the Department of Transport and Main Roads (refer to the current version of the TMR Customisation for a complete listing of TMR's string naming convention). In most cases only the first two characters of the string label are relevant for string recognition. The number of characters in the string label and its definition will be dependant on the modelling software used. Associated models, CAD layers and line style names have also been included for ease of reference.

Refer to '*TMR Surveying Standards - Schedule 1*' for the string and model naming conventions for all survey data used for projects undertaken for the Department of Transport and Main Roads.

All string naming conventions, models, layers, line styles, symbols and so on shall be presented as per the current versions of 'TMR 12D Model Customisation' and 'TMR AutoCAD Customisation'.

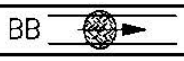
Table A1 – String naming conventions

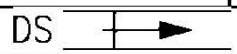
Design Feature Description	Label	Model	CAD Layer	Line Style
Alignment - Geometry	GC	Design Control	-	-
Alignment - Levels	LC	Design	-	Continuous
Alignment - Master	MC	Design Control	MRR_MC	Continuous
Boundary - Used For Trimming	BY	Design Boundary	MRR_BY	Continuous
Boundary - Design	BDY	Design Boundary	MRR_BDY	Continuous
Boundary Easement	EB	Design Cadastral	MRR_EB	MRR_EB
Boundary - Resumption	RS	Design Cadastral	MRR_RS	MRR_RS
Boundary - Road Declaration	RD	Design Cadastral	MRR_RD	MRR_RD
Boundary - Unsurveyed	UP	Design Cadastral	MRR_UP	MRR_UP
Bridge Abut/Pier Column Centreline	PC	Design Bridge (X)	MRB_PC	Continuous
Bridge Abut/Pier Column Edge	BE	Design Bridge (X)	MRB_BE	Continuous

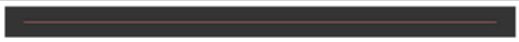
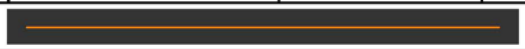
Design Feature Description	Label	Model	CAD Layer	Line Style
Bridge Abut/Pier Footing Bottom	AB	Design Bridge (X)	MRB_AB	Continuous
Bridge Abut/Pier Footing Top	AT	Design Bridge (X)	MRB_AT	Continuous
Bridge Abut/Pier Headstock Bottom	HB	Design Bridge (X)	MRB_HB	Continuous
Bridge Abut/Pier Headstock Formed Hole	HH	Design Bridge (X)	MRB_HH	Continuous
Bridge Abut/Pier Headstock Top	HT	Design Bridge (X)	MRB_HT	Continuous
Bridge Abut/Pier Pile Centreline	PP	Design Bridge (X)	MRB_PP	Continuous
Bridge Abutment Spillthrough	AS	Design Bridge (X)	MRB_AS	Continuous
Bridge Bearings	BG	Design Bridge (X)	MRB_BG	Continuous
Bridge Construction Joint	CJ	Design Bridge (X)	MRB_CJ	MRB_CJ
Bridge Cover Plates	CV	Design Bridge (X)	MRB_CV	Continuous
Bridge Deck/Deck Unit Soffit	DS	Design Bridge (X)	MRB_DS	Continuous
Bridge Girder Soffit	DF	Design Bridge (X)	MRB_DF	Continuous
Bridge Expansion Joint - Outline	BJ	Design Bridge (X)	MRB_BJ	MRB_BJ
Bridge Junction Box	JB	Design Bridge (X)	MRB_JB	Continuous
Bridge Kerb /Parapet/Lip	BD	Design Bridge (X)	MRB_BD	Continuous

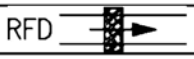
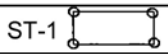
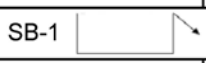
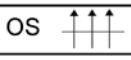
Design Feature Description	Label	Model	CAD Layer	Line Style
Bridge Kerb /Parapet/Top	BK	Design Bridge (X)	MRB_BK	Continuous
Bridge Relieving Slab	RV	Design Bridge (X)	MRB_RV	Continuous
Bridge Rock Masonry Wing	BW	Design Bridge (X)	MRB_BW	Continuous
Bridge Scuppers	SC	Design Bridge (X)	MRB_SC	Continuous
Bridge Traffic Rail Post - Centre	RM	Design Bridge (X)	MRB_RM	MRB_RM
Bridge Transverse Stressing Bar	TS	Design Bridge (X)	MRB_TS	MTB_TS
Carriageway - Edge	CE	Design	MRR_CE	Continuous
Carriageway -Fillet Edge String	MR	Design	MRR_MR	Continuous
Carriageway - Hard Strip	CP	Design	MRR_CP	Continuous
Carriageway - Hinge	CN	Design	MRR_CN	Continuous
Carriageway - Material Edge	CM	Design	MRR_CM	Continuous
Carriageway - Median Edge	C1	Design	MRR_CARRIAGEWAY	Continuous
Carriageway - Median Edge 6D	MA	Design	MRR_MA	Continuous
Carriageway - Other 6D	MK	Design	MRR_MK	Continuous
Carriageway - Taper	C0	Design	MRR_C0	Continuous

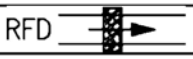
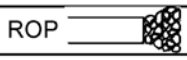
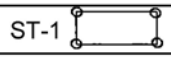
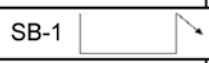
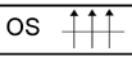
Design Feature Description	Label	Model	CAD Layer	Line Style
Carriageway - Wing Kerb Return	CW	Design	MRR_CW	Continuous
Carriageway 2	C2	Design	MRR_CARRIAGEWAY	Continuous
Carriageway 3	C3	Design	MRR_CARRIAGEWAY	Continuous
Carriageway 4	C4	Design	MRR_CARRIAGEWAY	Continuous
Carriageway 5	C5	Design	MRR_CARRIAGEWAY	Continuous
Carriageway 6	C6	Design	MRR_CARRIAGEWAY	Continuous
Carriageway 7	C7	Design	MRR_CARRIAGEWAY	Continuous
Carriageway 8	C8	Design	MRR_CARRIAGEWAY	Continuous
Carriageway 9	C9	Design	MRR_CARRIAGEWAY	Continuous
Catchment Boundary	CA	Design Drainage	MRR_CA	MRR_CA
Clearing Limit	CI	Design	MRR_CI	Continuous
Concrete Barrier - Edge	CB	Design	MRR_CB	Continuous
Construction Joint Cut On Existing	NJ	Design	MRR_NJ	Continuous
Culvert	CU	Design Culvert (X)	MRR_CU	MRR_CU
Culvert Headwall - Top	CH	Design Culvert (X)	MRR_CH	Continuous

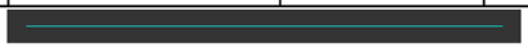
Design Feature Description	Label	Model	CAD Layer	Line Style
Drain - Drainage Line	DG	Design Drainage	MRR_DG	MRR_DG
Drain - Open	DO	Design Drainage	MRR_DO	MRR_DO
Driveway Edge	DW	Design	MRR_DW	Continuous
Elec - Power Line - No Poles	EL	Design Utilities	MRR_EL	MRR_EL
Elec - Power Lines - Poles Located	EA	Design Utilities	MRR_EA	MRR_EA
Elec - Underground	EU	Design Utilities	MRR_EU	MRR_EU
Envn - Area Boundary Line	-	-	MRE_AREA	MRE_AREA
Envn - Batter Chute	VB	Design Environment	MRE_VB	MRE_VB
Envn - Boundary Fence	-	-	MRE_BFENCE	MRE_BFENCE
Envn - Brushwood Barriers	-	-	MRE_BLOCKS	Continuous
				
Envn - Catch Drain/Bank	-	-	MRE_CATCH_BANK	MRE_CATCH_BANK
Envn - Catchment Boundary	-	-	MRE_CA	MRE_CA
Envn - Check Dam	-	-	MRE_BLOCKS	Continuous
Envn - Chemical Surface Stabilisers	-	-	MRE_BLOCKS	Continuous
Env - Clearing limit	CI	Design Environment	MRE_CI	Continuous

Design Feature Description	Label	Model	CAD Layer	Line Style
Envn - Concrete Paved	VC	Design Environment	MRE_VC	MRE_VC
Envn - Construction Road Stabilisation	-	-	MRE_CRS	MRE_CRS
Envn - Diversion Bank/Channel	-	-	MRE_DIVERSION	MRE_DIVERSION
Envn - Drainage Line	-	-	MRE_DRAINAGE	MRE_DRAINAGE
Evrn - Drop Pipes	-	-	MRE_DROP	MRE_DROP
Evrn - Drop Structure	-	-	MRE_BLOCKS	MRE_DROP
				
Envn - Dune Stablilisation	-	-	MRE_BLOCKS	MRE_DROP
Envn - Dwelling - Left	-	-	MRE_DL	MRE_DL
Envn - Dwelling - Right	-	-	MRE_DR	MRE_DR
Envn - Earth Bank High Flow - Left	-	-	MRE_HFL	MRE_HFL
Envn - Earth Bank High Flow - Right	-	-	MRE_HFR	MRE_HFR
Envn - Earth Bank Low Flow - Left	-	-	MRE _LFL	MRE_LFL
Envn - Earth Bank Low Flow - Right	-	-	MRE_LFR	MRE_LFR
Envn - Existing Gully Erosion	-	-	MRE_GEROS	MRE_GEROS
Envn - Erosion Control Mats	-	-	MRE_BLOCKS	Continuous

Design Feature Description	Label	Model	CAD Layer	Line Style
Envn - Geosynthetic lined	VS	Design Environment	MRE_VS	MRE_VS
Envn - Grassed	VG	Design Environment	MRE_VG	MRE_VG
Envn - Grassed filter strips	FS	Design Environment	MRE_FS	MRE_FS
Envn - Gravel Maintenance Strip	VP	Design Environment	MRLR_VP	MRLR_VP
Envn - Gross Pollutant Traps	-	-	MRE_BLOCKS	Continuous
Envn - Hydraulic seed/grass	DA	Design Environment	MRLR_DA	Continuous
Envn - Hydraulic seed/native	DN	Design Environment	MRLR_DN	Continuous
				
Envn - Hydromulch / grass seed	HG	Design Environment	MRLR_HG	Continuous
				
Envn - Hydromulch / native seed	HN	Design Environment	MRLR_HN	Continuous
Envn - Hydromulch / tube stock	HS	Design Environment	MRLR_HS	Continuous
Envn - Level Spreader	-	-	MRE_BLOCKS	Continuous
Envn - Mangroves	-	-	MRE_MG	MRE_MG
Envn - Mulching	-	-	MRE_BLOCKS	Continuous
Envn - Permanent Seeding	-	-	MRE_BLOCKS	Continuous
Envn - Portable Sediment Tanks	-	-	MRE_BLOCKS	Continuous

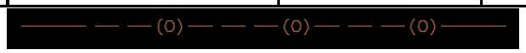
Design Feature Description	Label	Model	CAD Layer	Line Style
Envn - Protected area	AP	Design Environment	MRLR_AP	MRLR_AP
Envn - Reinforced grass	VN	Design Environment	MRE_VN	MRE_VN
Envn - Revegetation	-	-	MRE_BLOCKS	Continuous
Envn - Rock - Dumped	DP	Design Environment	MRLR_DP	Continuous
Envn - Rock Filter Dams	-	-	MRE_BLOCKS	Continuous
				
Envn - Rock Lined	VK	Design Environment	MRE_VK	MRE_VK
Envn - Rock mattress	VM	Design Environment	MRE_VM	MRE_VM
Envn - Rock Outlet Protection	-	-	MRE_BLOCKS	Continuous
Envn - Sediment Barrier/Trap	-	-	MRE_BLOCKS	Continuous
				
Envn - Sediment Basin	-	-	MRE_BLOCKS	Continuous
				
Envn - Sediment fence	VF	Design Environment	MRE_VF	MRE_VF
Envn - Sediment Fence with Overflow Protection	-	-	MRE_BLOCKS	Continuous
				
Envn - Sediment Ponds/Stilling Basin	-	-	MRE_BLOCKS	Continuous
Envn - Sediment trench	VT	Design Environment	MRE_VT	MRE_VT
Envn - Sediment Weir	-	-	MRE_BLOCKS	Continuous

Design Feature Description	Label	Model	CAD Layer	Line Style
Envn - Protected area	AP	Design Environment	MRLR_AP	MRLR_AP
Envn - Reinforced grass	VN	Design Environment	MRE_VN	MRE_VN
Envn - Revegetation	-	-	MRE_BLOCKS	Continuous
Envn - Rock - Dumped	DP	Design Environment	MRLR_DP	Continuous
Envn - Rock Filter Dams	-	-	MRE_BLOCKS	Continuous
				
Envn - Rock Lined	VK	Design Environment	MRE_VK	MRE_VK
Envn - Rock mattress	VM	Design Environment	MRE_VM	MRE_VM
Envn - Rock Outlet Protection	-	-	MRE_BLOCKS	Continuous
				
Envn - Sediment Barrier/Trap	-	-	MRE_BLOCKS	Continuous
				
Envn - Sediment Basin	-	-	MRE_BLOCKS	Continuous
				
Envn - Sediment fence	VF	Design Environment	MRE_VF	MRE_VF
Envn - Sediment Fence with Overflow Protection	-	-	MRE_BLOCKS	Continuous
				
Envn - Sediment Ponds/Stilling Basin	-	-	MRE_BLOCKS	Continuous
Envn - Sediment trench	VT	Design Environment	MRE_VT	MRE_VT
Envn - Sediment Weir	-	-	MRE_BLOCKS	Continuous

Design Feature Description	Label	Model	CAD Layer	Line Style
Envn - Top of bank - Right	-	-	MRE_BR	MRE_BR
Envn - Treatment to Service Easement	SE	Design Environment	MRLR_SE	Continuous
Envn - Treatment to Sight Dist area	SH	Design Environment	MRLR_SH	Continuous
Envn - Tree Preservation	-	-	MRE_BLOCKS	Continuous
Envn - Tree trunk (one size)	TX	Design Environment	MRLR_TX	Continuous
Envn - Turfing	-	-	MRE_BLOCKS	Continuous
Envn - Turfing - Area	TD	Design Environment	MRLR_TD	Continuous
Envn - Turfing - Linear	TN	Design Environment	MRLR_TN	MRLR_TN
Envn - Undisturbed area	AU	Design Environment	MRLR_AU	Continuous
Envn - Vegetation boundary	VA	Design Environment	MRLR_VA	MRLR_VA
Envn - Vegetation edge Left	-	-	MRE_VL	MRE_VL
Envn - Vegetation edge - Right	-	-	MRE_VR	MRE_VR
Envn - Wetland plants - Area	WP	Design Environment	MRLR_WP	Continuous
				
Envn - Wetland plants - Linear	WL	Design Environment	MRLR_WL	MRLR_WL
Fence - Chainwire	FC	Design Furniture	MRR_FC	MRR_FC

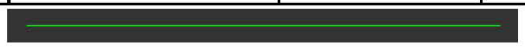
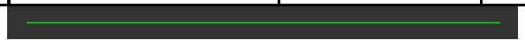
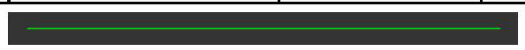
Design Feature Description	Label	Model	CAD Layer	Line Style
Interface - General	IA	Design	MRR_INTERFACE	Continuous
Interface - Intermediate	IC	Design	MRR_INTERFACE	Continuous
Interface - Noise bund	IN	Design	MRR_INTERFACE	Continuous
Interface - Rounding	IR	Design	MRR_INTERFACE	Continuous
Interface - 0	I0	Design	MRR_INTERFACE	Continuous
Interface - 2	I2	Design	MRR_INTERFACE	Continuous
Interface - 3	I3	Design	MRR_INTERFACE	Continuous
Interface - 4	I4	Design	MRR_INTERFACE	Continuous
Interface - 5	I5	Design	MRR_INTERFACE	Continuous
Interface - 6	I6	Design	MRR_INTERFACE	Continuous
Interface - 7	I7	Design	MRR_INTERFACE	Continuous
Interface - 8	I8	Design	MRR_INTERFACE	Continuous
Interface - 9	I9	Design	MRR_INTERFACE	Continuous
Kerb - Back	KB	Design	MRR_KB	Continuous
Kerb - Channel Lip	KL	Design	MRR_KL	Continuous

Design Feature Description	Label	Model	CAD Layer	Line Style
Kerb - Face	KF	Design	MRR_KF	Continuous
Kerb - Invert of channel	KI	Design	MRR_KI	Continuous
Kerb - Top	KT	Design	MRR_KT	Continuous
Line - Barrier double unbroken	LD	Design Linemarking	MRR_LD	MRR_LD
Line - Barrier line left broken	LL	Design Linemarking	MRR_LL	MRR_LL
Line - Barrier line right broken	LR	Design Linemarking	MRR_LR	MRR_LR
Line - Chevron marking Outline	LO	Design Linemarking	MRR_LO	Continuous
Line - Continuity Line	LA	Design Linemarking	MRR_LA	MRR_LA
Line - Hold Line	LH	Design Linemarking	MRR_LH	MRR_LH
Line - Painted line unbroken	LU	Design Linemarking	MRR_LU	Continuous
Line - Pedestrian Crosswalk	LP	Design Linemarking	MRR_LP	MRR_LP
Line - MR Pedestrian Crosswalk	CW	Design Linemarking	MRR_LINEMARKING	MR_CWALK
Line - MR Zebra Crosswalk	ZB	Design Linemarking	MRR_LINEMARKING	MRR_ZEBRA
Line - Separation 6x6	L6	Design Linemarking	MRR_L6	MRR_L6
Line Separation 9x3	L3	Design Linemarking	MRR_L3	MRR_L3

Design Feature Description	Label	Model	CAD Layer	Line Style
Line - Stop line	LW	Design Linemarking	MRR_LW	Continuous
Line - Turning Line	LT	Design Linemarking	MRR_LT	MRR_LT
Noise Barrier - Top	NB	Design Furniture	MRR_NB	MRR_NB
Oil line - underground	OI	Design Utilities	MRR_OI	MRR_OI
				
Opt fibre - Aboveground (no poles)	FA	Design Utilities	MRR_FA	MRR_FA
Opt fibre - Aboveground (poles located)	FO	Design Utilities	MRR_FO	MRR_FO
Opt fibre - underground	FU	Design Utilities	MRR_FU	MRR_FU
Overland Flowpath - Nat (undist)	OF	Drainage Design	MRR_OF	MRR_OF
Pipe - Invert	PI	Design Drainage	MRR_PI	Continuous
Pipe - Top	PT	Design Drainage	MRR_PT	Continuous
Retaining wall - bottom	RB	Design	MRR_RB	Continuous
Retaining wall - Left top	RL	Design	MRR_RL	MRR_RL
Retaining wall - Right top	RR	Design	MRR_RR	MRR_RR
Road crown	RC	Design	MRR_RC	Continuous
RRPM	Z	Design Furniture	MRR_Z	Continuous

Design Feature Description	Label	Model	CAD Layer	Line Style
Safety Fence - wire rope	FE	Design Furniture	MRR_FE	MRR_FE
Safety Fence - Thrie Beam	FH	Design Furniture	MRR_FH	MRR_FH
Survey Fence - W Beam	FB	Design Furniture	MRR_FB	MRR_FB
Sewer main	SS	Design Utilities	MRR_SS	MRS_SS
Shoulder - Earthworks datum	EH	Design	MRR_EH	Continuous
Shoulder - Edge	ES	Design	MRR_ES	Continuous
Shoulder - Highside turn down	ER	Design	MRR_ER	Continuous
Shoulder - Verge	EV	Design	MRR_EV	Continuous
Shoulder 0	E0	Design	MRR_SHOULDER	Continuous
Shoulder 1	E1	Design	MRR_SHOULDER	Continuous
Shoulder 2	E2	Design	MRR_SHOULDER	Continuous
Shoulder 3	E3	Design	MRR_SHOULDER	Continuous
Shoulder 4	E4	Design	MRR_SHOULDER	Continuous
Shoulder 5	E5	Design	MRR_SHOULDER	Continuous
Shoulder 6	E6	Design	MRR_SHOULDER	Continuous

Design Feature Description	Label	Model	CAD Layer	Line Style
Shoulder 7	E7	Design	MRR_SHOULDER	Continuous
Shoulder 8	E8	Design	MRR_SHOULDER	Continuous
Shoulder 9	E9	Design	MRR_SHOULDER	Continuous
Slope Signature	SO	Design	MRR_SO	Continuous
Stay pole / bollard (two points)	SB	Design Utilities	MRR_SB	Continuous
Stay wire (Two points)	ST	Design Utilities	MRR_ST	Continuous
Stone Pitching (Edge)	SP	Design Environment	MRR_SP	MRR_SP
Stormwater - Manhole	SM	Design Drainage	MRR_SM	Continuous
Street Light	LG	Design Utilties	MRR_LG	Continuous
Subgrade strings S1	S1	XXXX Subgrade Layer	MRR_SUBGRADE	MRR_SUBGRADE
Subgrade strings S2	S2	XXXX Pavement Layer (2)	MRR_SUBGRADE	MRR_SUBGRADE
Subgrade strings S3	S3	XXXX Pavement Layer (3)	MRR_SUBGRADE	MRR_SUBGRADE
Subgrade strings S4	S4	XXXX Pavement Layer (4)	MRR_SUBGRADE	MRR_SUBGRADE
Subgrade strings S5	S5	XXXX Pavement Layer (5)	MRR_SUBGRADE	MRR_SUBGRADE
Subgrade strings S6	S6	XXXX Pavement Layer (6)	MRR_SUBGRADE	MRR_SUBGRADE

Design Feature Description	Label	Model	CAD Layer	Line Style
Subsoil drain - With the flow	SD	Design Drainage	MRR_SD	MRR_SD
Tcomms - aboveground (no poles)	TA	Design Utilities	MRR_TA	MRR_TA
Tcomms - aboveground (pole located)	TP	Design Utilities	MRR_TP	MRR_TP
Tcomms - underground	TU	Design Utilties	MRR_TU	MRR_TU
Temporary String	TY	Any model	MRR_TY	Continuous
Traffic Island - Bottom of kerb	TB	Design	MRR_TB	Continuous
				
Traffic Island - intersecting lane	TK	Design	MRR_TK	Continuous
Traffic Island - Through lane	TF	Design	MRR_TF	Continuous
Traffic Island - Top of kerb	TT	Design	MRR_TT	Continuous
				
Traffic Island - Turn lane	TJ	Design	MRR_TJ	Continuous
Traffic Island 1	T1	Design	MRR_T1	Continuous
Traffic Island 2	T2	Design	MRR_T2	Continuous
				
Traffic Island or Turnhead (6D)	MT	Design	MRR_MT	Continuous
Traffic sign - Double sided	SZ	Design Furniture	MRR_S2	Continuous
Traffic sign - Single	SY	Design Furniture	MRR_S1	Continuous

Design Feature Description	Label	Model	CAD Layer	Line Style
Traffic Signal	SG	Design Utilities	MRR_SG	Continuous
Water main (Underground)	WM	Design Utilties	MRR_WM	MRR_WM
Wind fence	WF	Design Furniture	MRR_WF	MRR_WF