

2.5 Plan Sheet Preparation - Levels Involved

A. Plan Sheet Preparation

Project plan sheets of the geographical type are prepared by combining various levels from the CADD master drawings. The master drawings consist of the Master Topographic file, Master Design file and Master Border Sheet file (see chapter 3 of this manual). This section provides guidelines on how the various levels are combined to create the required geographical contract plan sheets.

Base maps are created by combining the Master Topographic file and the Master Design file. This generally involves levels 1 thru 8 for the Master Topographic file for projects using pre-V8 and V8 Standards leveling standards and levels 13 through 18, 20, 21, and 30 through 32 in a pre-V8 DGN for the Master Design file. In a DGN file using the V8 Standards leveling convention, the levels involved would generally be 13 through 18, 20, 21, and 128 through 137 for the Master Design file. For DGN files created using the Named Level convention, Master Topographic file usually involves levels with group names “su” and “topo” and Master DGN files involves levels with group names “align”, “rd” and “mc”.

Base maps are referenced to the Active Design file (contract plan sheet). Base maps should be left as a referenced file for as long as possible. All functional units should use the base map created from the Master Topographic file and the Master Design file. Functional units can control the information displayed from the base maps by turning levels on or off.

Note: If the Caltrans leveling convention is used from the start of a project, the handling of the electronic information becomes very easy for all users and functional units working on the project.

Nongeographical type contract plan sheets are prepared on an individual basis and do not generally involve the use of base maps.

For details regarding individual plan sheet content and requirements, see the Plans Preparation Manual.

B. Highway Design and Topographic Information (Alphabetically and Corresponding Level)

The level information shown in the table below applies to projects using the V8 Standards, pre-V8 leveling and Named Levels convention. Two level numbers in the table below indicate in the Level Number column indicates the pre-V8 leveling convention and the V8 Standards leveling convention for Right of Way information. One level number indicates that it

applies for both a pre-V8 and V8 Standards leveling convention. Level numbers are not shown for Named Levels.

Level Number	Element	Named Level
1	Control (Photogrammetry and Survey)	topo_su_ctrl_*
1	Survey Monuments	topo_su_ctrl_point_MON
2	Existing Man-Made Features	topo_*_str_*,topo_*_tcd_*, topo_*_rdside*
3	Existing Roadway Features	topo_*_rdbed_*, topo_*_tcd_*
4	Existing Vegetation/Natural Features	topo_*_veg_*, topo_*_dtm_brk_*
5	Communication Conduit	topo_*_ut_COND, topo_*_ut_MISC
5	Existing Utility Features	topo_*_ut_*
6	Existing Drainage Features	topo_*_hydro_*
6	Existing Hydrographic Features	topo_*_hydro_*
7	Contours	topo_*_dtm_cont_*
7	Relief Features	topo_*_dtm_brk_*
8	Contour Annotation	topo_*_dtm_anno_*
8	Spot Elevations	topo_*_dtm_anno_*
9	Profile Grid	border_GRID-MINOR_drop, border_GRID-MAJOR_drop
10	Matchline	pp_PRESENTATION
10	North Arrow	pp_PRESENTATION
10	Sheet Format (border)	border_SHEET
12	Construction Staking Survey Control Data	--
12	Grid Ticks and Labels	border_WITHIN-Border_anno
13	Ramp Alignment	align_RAMP
14	Ramp Annotation	align_RAMP-anno
15	Mainline Alignment	align_MAIN
16	Mainline Annotation	align_MAIN-anno
17	Frontage Road Alignment	align_FRONTAGE
18	Frontage Road Alignment Annotation	align_Frontage-anno
19	Undefined	*_No-PLOT, *-NO-PLOT, *_info_only, rd_MISC,
20	Approach Slab Details	rd_CONST-DETAIL
20	Driveways	mc_DRIVEWAY
20	Pavement Edges/Edge of Traveled Way	rd_EP, rd_ETW, rd_ES
21	Curbs	mc_CURB
21	Dike	rd_HMA-DIKE,rd_HMA-DIKE-*
21	Edge Drains	df_DRAIN-EDGE
21	Gutters	mc_CURB-GUTTER
21	Overside Drains	df_DRAIN-OVERSIDE
22	Barricades	temp_BARRICADES
22	Bridge Structures	rd_MISC

Level Number	Element	Named Level
22	City Street Islands	mc_ISLAND
22	Crash Cushions	tcd_CRASH-CUSHION
22	Headlight Glare Screen	rd_MISC
22	Median Barrier	tcd_BARRIER-*
22	Miscellaneous Paved Area	mc_SLOPE-PROTECTION
22	Sidewalks	mc_SIDEWALK
22	Slope Protection	mc_SLOPE-PROTECTION
22	Wheelchair Ramps	mc_CURB-RAMP
23	Curve Alignment Data-Table Format	align_CURVE-DATA
23	Notes	*_LEGEND-anno, rd_LAYOUT-NOTE-anno
23	Symbols (Leader lines, arrows, Arrowheads, etc)	rd_MISC, rd_LAYOUT-NOTE-anno
24	AC Resurfacing	rd_PAVEMENT
24	Obliteration and AC Resurfacing	rd_SURFACE-REMOVAL-AC, rd_PAVEMENT
25	Bikepath Alignments	align_MISC***
25	Creek Alignment	align_MISC***
25	Pedestrian Path Alignments	align_MISC***
25	Railroad Alignment	align_MISC***
25	Temporary Alignments	align_TEMP
25	Temporary Road Connections and Alignments	align_TEMP
26	Undefined	*_No-PLOT, *-NO-PLOT, *_info_only
27	Undefined	*_No-PLOT, *-NO-PLOT, *_info_only
28	Undefined	*_No-PLOT, *-NO-PLOT, *_info_only
29	Existing Irrigation Features	ls_IRRIGATION-EXIST
29	Sprinkler Control Conduit – Existing	ls_CONDUIT-EXIST
30	Cut and Fill Data	rd_EMBANKMENT-*, rd_EXCAVATION-*, rd_EARTHWORK_CUT***, rd_EARTHWORK_FILL***
30	Hinge point	rd_SLOPE
30	Toe of Slope	rd_SLOPE
31	Existing Right of Way	rw_EASE_EXIST_*, rw_RW_EXIST_*, rd_RIGHT-OF-WAY
32	ESA – boundaries and fences	esa_AREA
32	Fences	mc_FENCE
34	Temporary Water Pollution Control	wpc_TEMP-*
35	Erosion Control	ls_AREA-EC, ls_AREA-EC-*
36	Ditches	wpc_TEMP-DITCH-SWALE, rd_MISC,
36	Drainage	df_*
36	Drainage Details	df_DETAIL
36	Grate Details	df_DETAIL
36	Underdrains	df_DRAIN-UNDER

Level Number	Element	Named Level
37	Drainage Item Number	df_SYSTEM-UNIT-anno
38	Sanitary Sewer	ut_Sewer-*
39	Sanitary Sewer Annotation	ut_UTILITY-anno
41	Contour Grading	rd_CONTOUR-*, rd_CONTOUR-anno
42	Curb and Gutter Elevations	mc_MISC-CONST-anno
42	Pavement Elevations	rd_PAVEMENT-anno
43	Lane Lines	tcd_TRAFFIC-STRIFE
43	Pavement Markers	tcd_PVMT-MARKER
43	Pavement Striping	tcd_PVMT-MARKING
43	Traffic Arrows	tcd_PVMT-MARKING
43	Traffic Letters	tcd_PVMT-MARKING
43	Traffic Striping	tcd_TRAFFIC-STRIFE
45	Guide Markers	tcd_MARKER
45	Sign Installation	tcd_SIGN-*
46	Construction Signing	temp_*
47	Electrical	es_*
47	Lighting	es_LIGHTING-*
47	Signal & Lighting Installations	es_SIGNAL-LIGHTING-*
48	Electrical Annotation	es_*-anno
49	Landscaping	ls_*
49	Planting	ls_PLANT-*
49	Topsoil	ls_*
50	Irrigation - Proposed	ls_IRRIGATION
50	Sprinkler Control Conduit - Proposed	ls_CONDUIT
50	Water Supply Line	ls_SUPPLY-LINE
57	Undefined	*_No-PLOT, *_NO-PLOT, *_info_only
58	Retaining Wall Information	wall_RW-*
58	Sound Wall Information	wall_SW-*
59	Soundwall Annotation	wall_SW-*_anno
60	align	align_*
60	Construction Detail Notes	rd_CONST-DETAIL-anno
60	Construction Details	rd_CONST-DETAIL
60	County Boundary Lines	rw_LANDNET_Public_Boundary, pp_TITLE-SHEET-MAP
60	Diagrams for Superelevation	rd_SUPERELEVATION
60	Non-geographical Drawing Data	*_MISC
60	Profile Grade Information	rd_PROFILE-FINISH
60	Quantity Tables (not specifically assigned)	rd_QTY-TABLE
60	Strip Map for Title Sheet	pp_TITLE-SHEET-MAP
60	Structural Section Number	rd_TYP-X-SECTION-anno

Level Number	Element	Named Level
60	Typical Cross Sections	rd_TYP-X-SECTION
60	City Limits	pp_TITLE-SHEET-MAP
61	Headquarter Changes	pp_MISC
62	As-built changes	pp_AS-BUILT
63	Signatures – all registered engineers	border_SIGNATURE
31/128 •	Existing Easement Lines	rw_EASE_EXIST
31/131 •	Controlled Access - Existing	rw_RW_EXIST_*
31/131 •	Right of Entry - Existing	rw_RW_EXIST_*
31/131 •	Right of Way Lines - Existing	rw_RW_EXIST_*
32/132 •	Controlled Access – New	rw_RW_PROPOSED
32/132 •	Right of Entry - New	rw_RW_PROPOSED_*
32/132 •	Right of Way Lines - New	rw_RW_PROPOSED
32/134 •	Proposed Easement Lines	rw_RW_PROPOSED_*
40 ••	Utilities - Proposed	ut_*-*P
40 ••	Utilities – Relocated	ut_*-*P
5 ••	Utilities - Existing	ut_*-X
51-56	Detours	temp_FACILITIES
51-56	Stage Construction	stage_*
51-56	Temporary Barriers (k-rail)	temp_RAILING-TYPE-K
51-56	Traffic Control (temporary facilities)	temp_TRAFFIC-CONTROL
51-56	Traffic Handling Plans	temp_TRAFFIC-CONTROL

- See Appendix A9 of this manual for the V8 Standards leveling convention for Right of Way.
- See Appendix A9 of this manual for the V8 Standards leveling convention for Utilities.
- Levels included with MicroStation Connect resource files.

C. Levels Involved for Various Plan Sheets (Highway Construction)

The following chart applies to projects using the V8 Standards and pre-V8 leveling convention. It shows the levels generally required to produce the various geographical project plan sheets. Depending on the complexity of the project, certain levels may or may not be needed when creating an individual type of sheet.

The chart is a “Type of Sheet” / “Information on a Specific Level” cross-reference list. Plan sheet elements are listed on the left, and the information on a specific level is across the top.

NUMBERED LEVELS FOR PROJECT PLAN SHEETS (GEOGRAPHICAL TYPE)

Level Number	1	2	3	4	5	6	7	8	9	10	12	13	15	17	20	21	22	23	24	25	29	30	31	32	34	35	36	38	40	41	42	43	45	46	47	49	50	51	53	55	58	60	63				
INDIVIDUAL PLAN SHEET FUNCTION																																															
Layout or Combination Layout/Profile	O	O	O	O	O	O	O	O		R		R	R	R	R	R	O	R	R	O	O	R	R	R	O	O	O	O	O	-	-	O	O	O	O	O	O	-	-	-	-	O		R			
Contour Grading	O	O	O	O	O	O	O	R		R		R	R	R	R	O	O			O	O		R	R	O	O	O	O	O	R	O	-	-	-	-	-	-	-	-	-	-	-	-	-	R		
Drainage	O	O	O	O	O	R	O			R		R	R	R	R	R	O				O		R	R	O	O	R	O	O	O	-	-	-	-	-	-	-	O	-	-	-	-	-	R			
Irrigation	O	O	O	O	O	O	O			R		R	R	R	R	R	-				R		R	R	O	O	R	O	O	O	-	-	-	-	-	O	R	-	-	-	-	-	-	R			
Signal and Lighting	O	O	O	O	R	O	O			R		R	R	R	R	-	-				-		R	R	-	-	-	O	O	-	-	R	O	O	R	-	-	O	O	O	-	-	-	R			
Pavement Elevation	O	O	O	O	O	O	O			R		R	R	R	R	-	-				-		-	-	-	-	-	O	O	-	R	-	-	-	O	-	-	-	-	-	-	O		R			
Pavement Markers & Striping	O	O	O	O	O	O	O			R		R	R	R	R	-	-				-		O	O	-	-	-	O	O	-	-	R	R	R	O	-	-	O	O	O	-	-	-	R			
Planting & Landscaping	O	O	O	O	O	O	O			R		R	R	R	R	-	-				O		R	R	-	O	R	O	O	O	-	-	-	-	-	R	O	-	-	-	-	-	-	R			
Temp Water Pollution & Erosion Control	O	O	O	O	O	O	O			R		R	R	R	R	-	-				-	-	O	O	R	R	O	O	O	O	-	-	-	-	-	O	O	-	-	-	-	-	-	R			
Sanitary Sewer	O	O	O	O	O	O	O			R		R	R	R	R	-	-				-		R	R	-	-	O	R	O	-	O	-	-	-	O	-	-	-	-	-	-	-	-	R			
Signing	O	O	O	O	O	O	O			R		R	R	R	R	-	-				-		O	O	-	-	O	O	O	-	-	R	R	R	O	O	-	O	O	O	-	-	-	R			
Stage Construction and Traffic Handling & Detours	O	R	O	O	O	O	O			R		O	O	O	O	O	O				R		R	R	-	-	O	O	O	-	-		O	O	O	-	-	R	R	R	-	-	-	R			
Sound & Retaining Walls	O	O	O	O	O	O	O			R		O	O	O	O	O	-						O	O	-	-	O	O	O	-	O	-	-	-	-	-	-	-	-	-	-	-	-	R	R		
Utilities	O	O	O	O	R	O	O			R		R	R	R	R	O	O				O		R	R	-	-	O	O	R	-	-	-	-	-	O	-	-	-	-	-	-	-	-	R	R		
Typical Cross Section & Details										R																																		R	R		
Standard Sheet Format									O	R																																			R	R	

LEGEND

R – Required, O – Optional, - - Normally not needed, Blank – N/A

Notes:

1. Annotation Levels are Not Shown in the Above table
2. See Appendix A9 for reassigned or expanded levels for Right of Way or Utilities information.

The following table applies to projects using the Named Levels leveling convention. It shows the levels generally required to produce the various project plan sheets. Depending on the complexity of the project, there may be other levels that may or may not be needed when creating individual sheets.

The table is a “Information on a Specific Level”/ “Type of Sheet” cross-reference list. Plan sheet elements are listed across the top and the information on specific level or group of levels is to the left of the table.

NAMED LEVELS FOR PROJECT PLAN SHEETS

INDIVIDUAL PLAN SHEET FUNCTION	Title Sheet	Locations of construct.	Typical Cross Section & Details	Project Control	Layout or Combined Layout/ Profile	Temp WPC & Erosion Ctrl	Contour Grading	Drainage	Sanitary Sewer	Utilities	Stage Const, Traffic Handling & Detours	Pavement Markers & Striping	Signing	Sound & Retaining Walls	Planting, Landscape & Erosion Ctrl	Irrigation	Signal and Lighting (Electrical)	Log of Test Boring
Named Levels																		
*_LEGEND-anno	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	
*_MISC	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	
align_*			O		R	R	R	R	R	R	R	R	R	O	R	R	R	
align_CURVE-DATA			O		R									O				
align_FRONTAGE			O		R	R	R	R	R	R	O	R	R	O	R	R	R	
align_MAIN			O		R	R	R	R	R	R	O	R	R	O	R	R	R	
align_RAMP			O		R	R	R	R	R	R	O	R	R	O	R	R	R	
align_TEMP			O		O	O	O	O	O	O	R	O	O	O	O	O	O	
border_GRID-*_drop		O	O	O	R	O	O	O	O	O	O	O	O	O	O	O	O	
border_SHEET	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
border_SIGNATURE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
border_WITHIN- Border_anno	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
border_PROJ-ID-BLOCK- anno	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
border_INSIDE- Border_anno	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
df_*			O		O	O	O	R	O	O	O		O		R	R		
df_DETAIL			R		O		O	R								R		
df_DRAIN-EDGE			O		O	O	O	R	O	O	O		O		R	R		
df_DRAIN-OVERSIDE			O		O	O	O	R	O	O	O		O		R	R		
df_DRAIN-UNDER			O		O	O	O	R	O	O	O		O		R	R		
df_SYSTEM-UNIT-anno			O		O	O	O	R	O		O		O		R	R		
es_*			O		O				O	O	O	O	O				R	
es_LIGHTING-*			O		O				O	O	O	O	O				R	
es_SIGNAL-LIGHTING-*			O		O				O	O	O	O	O				R	
esa_AREA	R		O		R	R	R	R	R	R	R	R	R	R	R	R	R	R
ls_*			O		O		O	O					O		R	O		
ls_AREA-EC			O		O	R	O	O					O		R	O		
ls_AREA-EC-*			O		O	R	O	O					O		R	O		
ls_CONDUIT			O		O	O		O					O		R	R		
ls_IRRIGATION			O		O	O		O					O		R	R		
ls_IRRIGATION-EXIST			O		O	O	O	O		O			O		O	R		

INDIVIDUAL PLAN SHEET FUNCTION	Title Sheet	Locations of construct.	Typical Cross Section & Details	Project Control	Layout or Combined Layout/ Profile	Temp WPC & Erosion Ctrl	Contour Grading	Drainage	Sanitary Sewer	Utilities	Stage Const, Traffic Handling & Detours	Pavement Markers & Striping	Signing	Sound & Retaining Walls	Planting, Landscape & Erosion Ctrl	Irrigation	Signal and Lighting (Electrical)	Log of Test Boring
Named Levels																		
ls_PLANT-*			O		O	O							O		R	O		
ls_SUPPLY-LINE			O		O	O		O					O		R	R		
mc_CURB			O		R		O	R		O	O			O		R		
mc_CURB-GUTTER			O		R		O	R		O	O			O		R		
mc_CURB-RAMP			O		R		O	O		O	O			O				
mc_DRIVEWAY			O		O		O	O		O	O							
mc_FENCE			O		O		O	O		O	O							
mc_ISLAND			O		O		O	O		O	O							
mc_MISC-CONST-anno			O		O		O	O		O	O			O				
mc_SIDEWALK			O		O		O	O		O	O							
mc_SLOPE-PROTECTION			O		O		O	O		O				O				
PP_CAS-ANNO													R					
pp_CAS-TABLE													R					
pp_LOTB																		R
pp_LOTB-anno																		R
pp_MISC	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
pp_PRESENTATION	R		R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
pp_PROJECT-CONTROL-MAP				R														
pp_PROJECT-CONTROL-anno				R														
pp_TITLE-SHEET-anno	R																	
pp_TITLE-SHEET-MAP	R																	
rd_CONST-DETAIL			R															
rd_CONST-DETAIL-anno			R															
rd_CONTOUR-*						O	R	O							O	O		
rd_EARTHWORK					R													
rd_EMBANKMENT-*					R													
rd_EP					R	R	R	R	R	R	O	R	R	O	R	R	R	
rd_ES					R	R	R	R	R	R	O	R	R	O	R	R	R	
rd_ETW					R	R	R	R	R	R	O	R	R	O	R	R	R	
rd_EXCAVATION-*					R													
rd_EARTHWORK*					R													
rd_HMA-DIKE					R	O			R	R	O	O		O				

INDIVIDUAL PLAN SHEET FUNCTION	Title Sheet	Locations of construct.	Typical Cross Section & Details	Project Control	Layout or Combined Layout/ Profile	Temp WPC & Erosion Ctrl	Contour Grading	Drainage	Sanitary Sewer	Utilities	Stage Const, Traffic Handling & Detours	Pavement Markers & Striping	Signing	Sound & Retaining Walls	Planting, Landscape & Erosion Ctrl	Irrigation	Signal and Lighting (Electrical)	Log of Test Boring
Named Levels																		
rd_LAYOUT-NOTE-anno					R													
rd_MISC					R	O			O	O	O	O		O				
rd_PAVEMENT					R				R	O	O	R	O	O				
rd_PAVEMENT-anno					R		O		O									
rd_SLOPE					R													
rd_SUPERELEVATION					O													
rd_SURFACE-REMOVAL- AC					R						O							
rd_TYP-X-SECTION			R		O													
rd_TYP-X-SECTION-anno			R		O													
rw_EASE_EXIST			O		R	R	R	R	R	R	R	O	O	O	R	R	R	
rw_RW_EXIST_*			O		R	O	R	R	R	R	R	O	O	O	R	R	R	
rw_RW_PROPOSED_*			O		R	O	R	R	R	R	R	O	O	O	R	R	R	
stage_*					O						R	O	O				O	
stage_*-anno					O						R	O	O				O	
stage_*_drop					O						O	O	O				O	
tcd_BARRIER-*					R						O	R						
tcd_CRASH-CUSHION					R						O	R						
tcd_MARKER					O						O	R					R	
tcd_PVMT-MARKER					O						R	R	R				R	
tcd_PVMT-MARKING					O						R	R	R				R	
tcd_SIGN-*					O						O	R	R				O	
tcd_TRAFFIC-STRIPES					O						R	R					R	
tcd_TRAFFIC-STRIPES-*					O						R	R					R	
temp_*					O						O	R	R				O	
temp_BARRICADES					O						O	R						
temp_RAILING-TYPE-K					O						O	R						
temp_TRAFFIC-CONTROL					O						O	R					O	
topo_dtm_*					O	O	R	O	O	O	O	O	O	O	O	O	O	
topo_*_dtm_anno_*					O	O	R	O	O	O	O	O	O	O	O	O	O	
topo_*_dtm_cont*					O	O	R	O	O	O	O	O	O	O	O	O	O	
topo_*_hydro_*					O	O	O	R	O	O	O	O	O	O	O	O	O	
topo_*_rdsides_*					O	O	O	O	O	O	R	O	O	O	O	O	O	
topo_*_rdbed_*					O	O	O	O	O	O	O	O	O	O	O	O	O	

INDIVIDUAL PLAN SHEET FUNCTION	Title Sheet	Locations of construct.	Typical Cross Section & Details	Project Control	Layout or Combined Layout/ Profile	Temp WPC & Erosion Ctrl	Contour Grading	Drainage	Sanitary Sewer	Utilities	Stage Const, Traffic Handling & Detours	Pavement Markers & Striping	Signing	Sound & Retaining Walls	Planting, Landscape & Erosion Ctrl	Irrigation	Signal and Lighting (Electrical)	Log of Test Boring
Named Levels																		
topo_*_str_*					O	O	O	O	O	O	R	O	O	O	O	O	O	
topo_*_tcd_*					O	O	O	O	O	O	R	O	O	O	O	O	O	
topo_*_ut_*					O	O	O	O	O	R	O	O	O	O	O	O	R	
topo_*_ut_COND					O	O	O	O	O	R	O	O	O	O	O	O	O	
topo_*_ut_MISC					O	O	O	O	O	R	O	O	O	O	O	O	O	
topo_*_veg_*					O	O	O	O	O	O	O	O	O	O	O	O	O	
topo_su_ctrl_*					O	O	O	O	O	O		O	O	O	O	O	O	
topo_su_ctrl_point_MON					O	O	O	O	O	O		O	O	O	O	O	O	
ut_*-P					O	O	O	O	O	R	O	O	O		O	O	O	
ut_*-X					O	O	O	O	O	R	O	O	O		O	O	O	
ut_Sewer-*					O	O	O	O	R	R	O	O	O		O	O	O	
ut_UTILITY-anno					O	O	O	O	R	R	O	O	O		O	O	O	
wall_RW-*					O					R	O			R				
wall_SW-*					O					R	O			R				
wpc_TEMP-*					O	R	O	O			O					O		
wpc_TEMP-DITCH-SWALE					O	R	O	O			O					O		

LEGEND

R- Required
 O- Optional,
 Blank – N/A or Normally not needed

See Appendix A10 for a list of Named Levels