

LEVELS

February 1, 2013

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LEVEL ORGANIZATION OVERVIEW

The Microstation CADD System allows a designers to separate graphical information on independent named levels. They are then distinguish either with Level Number, ByLevel attributes of color, weight, line code/user defined line styles.

The Mississippi Department of Transportation has standardized its levels and bylevel element parameters and they should be followed unless stated otherwise or by written approval.

On September 2004 - Roadway Design implemented a level name structure. Levels 1-63 are no longer to be used on projects after this date, except when working with any existing or older project. All new elements should be placed on the new level structure. The new level structure is now defined using a level library attachment. Levels only exist in the library file until an element is placed on a level, then the level becomes a part of the design file.

LEVEL NAME STRUCTURE

JAN. 06, 2012

The following table displays the current level name structure of Roadway Design's Level Design Library. All the levels in the design file library (rwdlvlib.dgnlib) is presented in to all our design files when they are opened in our workspace. Without our workspace pointing to our dgn library no levels would be available. The levels do not physically become a part of your design file until an element is placed on a level

Before (Dec. 2012) the levels were attached as the level library to all Roadway Design Seed Files. All the levels were therefore referenced to the seed files. When a new design file was created for working, this library attachment created the appearance of available levels.

The design library now should take precedent over any older design file that still have the level library attached. If conflicts occur due revisions in the design library, the level library should be detached. This can be done in the “Level Manager” dialog.

Levels 1 through 63

The level names 1 through 63 match the level structure that existed prior to converting to level names. These old level numbers matches the level structure in those older design files. This maintains compatibility to all our older design file level structures. Unless instructed otherwise, you should no longer use levels 1 through 63 for your design work.

LEVEL PROPERTIES LIST

For you convenience, a list of Roadway Design Level Names, Numbers, ByLevel Symbology, and OverRide Symbology has been formatted into a list and provided in PDF format for printing. Click the link below to open this PDF file.

[VIEW OR PRINT A LIST OF ROADWAY DESIGN PROPERTIES IN PDF FORMAT](#)

LEVEL FILTER LIST

Now that there is a large group of levels available to place your element data, it becomes a little more difficult to memorize level names. Roadway Design does not expect or encourage that you attempt to do so and instead we provide menus and programs that will select the levels automatically. It can still be useful to learn the overall structure of how the level names are organized. To help with this process, we encourage the use of level filters. Our levels are currently grouped in useful level filters. When setting filters, you can reduce the level selection item in Microstation to only display levels associated with a process. For example, you can use the "X_DRAINAGE" filter to only display levels relating to existing drainage, which makes manual selection of levels much easier. The filter names are shown below.

The following is a list of Level Filter names along with a description of that filter that are currently available for use with this level library.

ALIGNMENTS (All Alignment Elements)
DTM (Digital Terrain Model Elements)
EXISTING_ALL (All Existing Elements)
EXTRACT_GRAPHICS (Extractable Graphics Levels)
OLD_LEVELS (All Elements that are on the Old Level Structure Levels)
PROP_DRAINAGE (All Proposed Drainage Elements)
PROP_PAVEMENT_MARKING (All Proposed Pavement Marking Elements)
PROP_PROFILES (All Proposed Profile Elements)
PROP_ROW (All Proposed Right-Of-Way Elements)
PROP_SAFETY_DEVICES (All Proposed Safety Device Elements)
PROP_SIGNS_SIGNALS (All Proposed Sign and Signal Elements)
PROP_SLOPE_STAKES (All Proposed Slope Stake Elements)
PROP_TRAFFIC_CONTROL (All Proposed Traffic Control Plan Elements)
PROP_TRANSPORTATION (All Proposed Transportation Feature Elements)

PROPOSED_ALL (All Proposed Feature Elements)
QUANTITY (All Elements used to Calculated Quantities)
RASTER (All Raster file and Raster related elements)
SHEETS (All Sheet Border Elements)
TYPICAL_SECTIONS (All Typical Section Elements)
USED (All Levels that currently have Elements placed on them)
WORKING_LEVELS (All Elements placed on available Working Levels)
X_DRAINAGE (All Existing Drainage Elements)
X_NON_TRANSPORTATION (All Existing Non-Transportation Feature Elements)
X_POINT_DATA (All Existing Survey Point Data Elements)
X_PROFILES (All Existing Profile Elements)
X_PROPERTY (All Existing Political Boundary related Elements)
X_ROW (All Existing Right-Of-Way Elements)
X_SAFETY_DEVICES (All Existing Safety Device Elements)
X_SIGNS_SIGNALS (All Existing Signs and Signal Elements)
X_UTILITIES (All Existing Utility Elements)
XS_ALL (All Cross Section Elements)
XS_EXISTING (All Existing Cross Section Elements)
XS_PROPOSED (All Proposed Cross Sections Elements)

OLD LEVEL SUMMARY

PLEASE USE THE INFORMATION FOR REFERENCE ONLY.

DO USE THIS AS THE STANDARD ON YOUR CURRENT PROJECTS.

The forms on the following pages describe in detail the standard levels, colors, weights, line code, and text size used prior to implementation of the [LEVEL NAME STRUCTURE](#).

The next page show a summary of the old level numbers (1-63) used before the implantation of level names. Each has a short description of what feature is placed on that level. A link is provided for each number. Click on the number to review a detailed description of what was placed on that level.

1	2	3	4	5	6	7	8	9	10
Baselines, Tics and Stations	Baseline Curve Data for Level 1	Existing Transpor. Features	Text for Level 3	Exist.Non Transpor. Features	Text for Level 5	Existing Traffic Safety Devices	Text for Level 7	Survey Control Symbols	Text for Level 9
11	12	13	14	15	16	17	18	19	20
Existing Drainage	Text for Level 11	Existing R.O.W.	Text for Level 13 Includes Markers	Existing Property Lines and Political Boundary	Text for Level 15	Existing Utilities	Text for Level 17	Existing Contours with Text	Vacant
21	22	23	24	25	26	27	28	29	30
Existing Centerline, Tics and Stations	Existing Centerline Curve Data for Level 21	Vacant	Existing Profiles	Text for Level 24	Existing Signs and Signals	Text for Level 26	Designer Working Level	Designer Working Level	Junk Level
31	32	33	34	35	36	37	38	39	40
Proposed Paperline Ticks and Stations	Curve Data for Level 31	Proposed Transpor. Features	Text for Level 33	Proposed Profiles	Text for Level 35	Proposed Traffic Safety Devices	Text for Level 37	Vacant	Vacant
41	42	43	44	45	46	47	48	49	50
Proposed Drainage	Text for Level 41	Proposed R.O.W.	Text for Level 43 Includes Markers	Slope Stake Limits w / Text	Vacant	Form Grades with Text	Removal of Existing Pavement	New Contours with Text	Pavement Striping
51	52	53	54	55	56	57	58	59	60
Text for Level 50	Traffic Control Baseline Geomet.	Traffic Control Lane Geomet,	Traffic Control Construc. Devices	Traffic Control Operation Devices	Proposed Signs and Signals	Text for Level 56	Grid Data or Cogo Produced Descrip.	Cogo Produced Point Cell or Point Symbols	Cogo Produced Point Numbers
61			62			63			
Sheet Boundary Labels, Stamps, etc.			Sheet Boundaries			IPlot Shapes			

OLD LEVEL DESCRIPTIONS

PLEASE USE THE INFORMATION FOR REFERENCE ONLY.

These are the forms describe in detail the standard levels, colors, weights, line code, and text size used prior to implementation of the [LEVEL NAME STRUCTURE](#).

Legend of Abbreviations used on the following forms:

Symbol	Description
--	Means that this field is Not Applicable
C	Cell
LS	User defined (Line Style)
LP	Linear Pattern Cell
AP	Area Pattern Cell
LV	Level
CO	Color
WT	Weight
LC	Line Code
TX	* Text Size (Size shown is based on a Active Plot Scale of One to One (1:1))

* Multiple the text size shown on the charts by the scale you wish to plot. For example, If you are plotting the drawing at 1"=100' then multiply .15 by 100 to get a text size of 15.

LV	DESCRIPTIONS	CO	WT	LC	TX
1	Survey Baseline Geometry (Some Text)				
	Mainline, Sideroads and Ramps	6	4	0	--
	Geometry: Tangents, Curves, and Curve Tangents	6	4	0	--
	Points: Circles for (PC, PI, PT, TS, SC, CS, etc.)	1	3	0,C	--
	<i>Some Text includes:</i>	--	--	--	--
	Station Tics (Small: WT=2, Large: WT=3)	1	2,3	0	--
	Stations	1	3	0	0.15
	Bearings, Equations, Labels	1	3	0	0.15
2	Survey Baseline Curve Data Text				
	Curve Data (Placed in Sheet Files)	1	2	0	0.15
3	Existing Transportation Features (Normally within existing R.O.W.) (No Text)				
	Edges of Public Roads (Paved and Unpaved)	0	0	3	--
	Edges of Shoulders (Paved and Unpaved)	26	0	2	--
	Edges of Drives and Parking Lots (Inside R.O.W.)	0	0	3	--
	Curb and Gutter	4	0	3	--
	Curbs	4	0	3	--
	Bridges: (All types, including Box Bridges, Pedestrian Passes, etc.)	10	0	3	--
	Retaining Walls (Public) (Roadway and Noise)	17	0	LS	--
	Railroads	12	0	LS	--

4	Text for Transportation Features on Level 3	22	1	0	0.13
---	---	----	---	---	------

LV	DESCRIPTIONS	CO	WT	LC	TX
----	--------------	----	----	----	----

5	Existing Non-Transportation Features (Normally outside of existing R.O.W.) (No Text)				
---	--	--	--	--	--

	Buildings: (All Types: Residential, Commercial, Sheds, Barns, Silos, etc. ---	1	0	0	--
--	--	---	---	---	----

Includes items around the buildings: steps, chimneys, smoke stakes, swimming pools, sidewalks, athletic fields, lighting, trails, bikeways, etc.)

	Fence (Barbed Wire, Wood, Chain Link, etc)	5	0	LS	--
--	--	---	---	----	----

	Flag Poles	3	0	C	--
--	------------	---	---	---	----

	Wells	4	0	C	--
--	-------	---	---	---	----

	Cemeteries	12	0	C	--
--	------------	----	---	---	----

	Tanks (Fixed)	10	0	3	--
--	---------------	----	---	---	----

	Towers	11	0	C	--
--	--------	----	---	---	----

	Pits	24	0	3	--
--	------	----	---	---	----

	Trees and Bushes	3	0	C	--
--	------------------	---	---	---	----

	Tree Lines	3	0	LS	--
--	------------	---	---	----	----

LV	DESCRIPTIONS	CO	WT	LC	TX
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5	Existing Non-Transportation Features (Normally outside of existing R.O.W.) (No Text) Cont...				
---	--	--	--	--	--

	Bushes	5	0	C	--
--	--------	---	---	---	----

	Retaining Walls (Private) (Commercial and Residential)	9	0	LS	--
--	--	---	---	----	----

	Parking Lots and Drives (Does not include one inside existing R.O.W.)	17	0	3	--
	Airports and Runways	5	0	3	--
	Hospitals	3	0	C	--
6	Text for Non-Transportation Features on Level 5	3	1	0	0.13
7	Existing Traffic Safety Devices				
	Guardrail	10	0	LS	--
	New Jersey Barrier	4	0	LS	--
	Impact Attenuators	4	0	3	--
8	Text for Existing Safety Device Features on Level 7				
LV	DESCRIPTIONS	CO	WT	LC	TX
9	Survey Control Markers (No Text)				
	Bench Mark Controls	15	3	C	--
	Primary Controls	4	3	C	--
	Horizontal Controls	1	3	C	--
	Horizontal and Vertical Control	5	3	C	--
10	Text for Survey Control Markers	--	--	C	--
11	Existing Drainage (No Text)				
	Box Culverts	13	0	3	--
	Pipes	13	0	LS	--
	End Treatment: Flared End Sections, Endwalls,	13	0	3,C	--

Concrete Aprons, etc.)					
Structures: Inlets, Junction Boxes, etc	13	0	3,C	--	
Manholes	13	0	C	--	
Underdrains	0	0	LS	--	
Rip Rap	4	0	AP	--	
Ditch Plugs	14	0	C	--	
Ditches (Paved and Unpaved)	4	0	3	--	
Spur Dikes	28	0	3	--	
Dams and Spillways	21	0	3	--	
Dikes, Levees, and Docks	21	0	3	--	
Natural Drainage Features: Streams, Rivers, Lakes, Ponds, etc.)	4	0	LS	--	
Swamps	4,5	0	C	--	

LV	DESCRIPTIONS	CO	WT	LC	TX
12	Text for Existing Drainage Features on Level 11	2	1	0	0.13
13	Existing Right-of-Way (No Text)				
	Right-of-Way Lines	14	0	LS	--
	Easement Lines	14	0	LS	--
	Drainage Easements	14	0	LS	--
	No Access Limit Lines	6	3	LS	--
14	Text for Existing Right-of-Way Features on Level 13	14	1	0	0.13
	Right-of-Way Markers	14	0	C	--

15	Property Lines and Political Boundaries (No Text)				
	Property Lines	22	0	LS	--
	Section Lines	22	1	LS	--
	County Lines	22	3	LS	--
	Urban Limit Lines	22	2	LP	--
	State Border Lines	22	4	LS	--
	Found Property Corners			C	--
	Found Iron Pins			C	--
LV	DESCRIPTIONS	CO	WT	LC	TX
16	Text for Property Features on Level 15 (Includes Property Owners)	20	3	0	0.14
17	Existing Utilities (No Text)				
	Electric (Underground)	29	0	LS	--
	Electric (Above Ground)	26	0	LS	--
	Fire Hydrants	13	0	C	--
	Manholes (All Utilities)	13	0	C	--
	Sanitary Sewers	11	0	LS	--
	Telephone Lines	15	0	LS	--
	Pedestals	20	0	C	--
	Utility Poles (All Types)	3	0	C	--
	Water Valves and Meters	4	0	C	--
	Water Lines	4	0	LS	--
	Gas Valves and Meters	11	0	C	--

	Gas Lines	12	0	LS	--
	Antennas and Towers	11	0	C	--
	Transformers	19	0	C	--
	Cable Boxes	3	0	C	--
LV	DESCRIPTIONS	CO	WT	LC	TX
18	Text for Existing Utility Features on Level 17	10	1	0	0.13
19	Existing Contours with Text				
	Major	6	3	0	--
	Minor	1	0	0	--
	Elevations	3	0	0	0.13
20	Vacant	--	--	--	--
21	Existing Centerline Geometry (Some Text)				
	Mainline, Sideroads and Ramps	3	2	0	--
	Geometry: Tangents, Curves, and Curve Tangents	3	2	0	--
	Points: Circles for (PC, PI, PT, TS, SC, CS, etc.)	0	3	0,C	--
	<i>Some Text includes:</i>	--	--	--	--
	Station Tics (Small: WT=2, Large: WT=3)	0	2,3	0	--
	Stations	0	2	0	0.15
	Bearings, Equations, Labels	0	3	0	0.15
22	Existing Centerline Curve Data Text				
	Curve Data (Placed in Sheet)	0	2	0	0.15

LV	DESCRIPTIONS	CO	WT	LC	TX
23	Vacant	--	--	--	--
24	Existing Profiles (No Text)				
	Profile Grade Geometrics (Dashed)	6	3	3	--
	Profile Grade Geometrics (Solid)	3	3	0	--
25	Text for Existing Profile Features on Level 24	2	2	0	0.13
26	Existing Signs and Signals				
	Signs : Overhead, Signal Poles, Traffic Signals	3	0	0	--
	Sign Posts	15	0	C	--
	Historical Markers	23	0	0	--
	Interstate and U.S Route Symbols	0	1	C	--
27	Text for Sign and Signal Features on Level 26	0	1	0	0.13
28	Designer's Working Level (No. 1)	--	--	--	--
29	Designer's Working Level (No. 2)	--	--	--	--
30	Junk Level (Level for things you don't want to show up on your plans)	--	--	--	--
LV	DESCRIPTIONS	CO	WT	LC	TX
31	Proposed Centerline Geometry (Paperlines) (Some Text)				
	Mainline, Sideroads and Ramps	9	4	0	--

	Geometry: Tangents, Curves, and Curve Tangents	9	4	0	--
	Points: Circles for (PC, PI, PT, TS, SC, CS, etc.)	2	3	C	--
	<i>Some Text Includes:</i>	--	--	--	--
	Station Tics (Small: WT = 2, Large: WT = 3)	2	2,3	0	--
	Stations	2	2	0	0.15
	Bearings, Equations, Labels	2	2	0	0.15
32	Proposed Centerline Curve Data				
	Curve Data (Place in Sheet Files)	2	2	0	0.15
33	Proposed Transportation Features				
	Edges of Paved Roads (Public)	1	2	0	--
	Edges of Unpaved Roads (Public) (Gravel)	2	2	0	--
	Paved Shoulders	4	2	0	--
	Unpaved Shoulders (Not shown on plans, used by Geopak for designing)	28	2	0	--
	Drives	21	2	0	--
	Parking Lots	21	2	0	--
	Curb and Gutter	5	2	LS	--
	Curbs	5	2	LS	--
	Bridges and Pedestrian Overpasses	3	2	0	--
	Sidewalks	10	2	0	--
	Retaining Walls (Public) (Roadway and Noise)	11	3	LS	--
	Bikeways and Trails	18	2	0	--

LV	DESCRIPTIONS	CO	WT	LC	TX
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34	Text for Proposed Transportation Features on Level 33	1	2	0	0.15
35	Proposed Profiles (No Text)				
	Profile Grade Geometrics	1	3	0	--
36	Text of Proposed Profiles on Level 35	0	2	0	0.15
37	Proposed Traffic Safety Devices				
	Guardrail	3	3	LS	--
	New Jersey Barrier	11	3	LS	--
	Impact Attenuators	5	2	C	--
38	Text for Proposed Traffic Safety Device Features on Level 37	24	2	0	0.15
39	Vacant	--	--	--	--

LV	DESCRIPTIONS	CO	WT	LC	TX
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40	Vacant	--	--	--	--
41	Proposed Drainage				
	Box Culverts	2	2	0	--
	Pipes	2	2	0	--
	Inlets, Junctions Boxes, etc.	2	2	C	--
	End Treatment: Flared End Sections, Endwalls,	28	2	0,	--

	Concrete Aprons, etc.)				C
	Underdrains	13	2	LS	--
	Manholes	2	2	C	--
	<i>Erosion Control:</i>	--	--	--	--
	Paved Ditches	4	2	0	--
	Rip Rap Ditch	26	2	LP	--
	Rip Rap Area	28	2	AP	--
	Bituminous Roving	13	2	LP	--
	Ditch Liner	26	2	LP	--
	Soil Reinforcing Material	19	2	LP	--
	Silt Fence	19	2	LS	--
	Solid Sod Ditch			LP	--
	Ditch Plugs	28	2	C	--
	Spur Dikes	28	2	C	--
	Channel Re-Alignment	16	2	0	--
42	Text for Proposed Drainage Features on Level 41	5	2	0	0.15
LV	DESCRIPTIONS	CO	WT	LC	TX
43	Proposed Right-of-Way (No Text)				
	Right-of-Way Lines (with or without Access Control Fence)	2	2	0	--
	Easement Lines	2	2	LS	--
	No Access Limit Lines	7	4	LS	--
	Construction Easements	2	2	LS	--

	Drainage Easements	2	2	LS	--
	Access Control Fence	4	2	LS	--
	Fencing	5	4	LS	--
44	Text for Proposed Right-of-Way Features on Level 43	0	2	0	0.15
	Right-of-Way Markers	0	2	C	--
45	Slope Stake Limits (Including Text)				
	Slope Stake Lines - Cut	13	2	LS	--
	- Fill	12	2	LS	--
	- Transition Area	11	2	LS	--
	Text for Slope Stake Lines	14	1	0	0.15
46	Vacant	--	--	--	--
47	Form Grades (Including Text)				
	Intermediate Lane Lines	3	2	0	--
	Elevation Flag Lines	3	2	0	--
	Elevations	3	2	0	.0.15
48	Removal of Existing Pavement (Including Text)	27	1	AP	0.15
LV	DESCRIPTIONS	CO	WT	LC	TX
49	New Contours (With Text)				
	Major	7	4	0	--
	Minor	3	1	0	--

	Elevations	13	1	0	0.15
50	Pavement Striping and Raised Markers (No Text)				
	<i>Edge Stripe:</i>	--	--	--	--
	White	8	5	0	--
	Yellow	2	5	0	--
	<i>Skip Stripe:</i>	--	--	--	--
	White	8	5	0	--
	Yellow	2	5	0	--
	Legend	0	2	C	--
	Raised Markers (Cells have varying color)	--	1	C	--
51	Text for Pavement Striping and Raised Marker Features on Level 50	18	2	0	0.15

LV	DESCRIPTIONS	CO	WT	LC	TX
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52	Traffic Control Centerline Geometrics (Including Text)				
	Mainline, Sideroads and Ramps	9	4	0	--
	Geometry: Tangents, Curves, and Curve Tangents	9	4	0	--
	Points: Circles for (PC, PI, PT, TS, SC, CS, etc.)	2	3	C	--
	Station Tics (Small: WT = 2, Large: WT = 3)	2	2,3	0	--
	Stations	2	2	0	0.15
	Bearings, Equations, Labels	2	2	0	0.15
	Curve Data (Place in Sheet Files)	2	2	0	0.15

LV	DESCRIPTIONS	CO	WT	LC	TX
53	Traffic Control Lane Geometrics (Including Text)				
	Edges of Paved Roads (Public)	1	2	0	--
	Edges of Unpaved Roads (Public) (Gravel)	2	2	0	--
	Paved Shoulders	4	2	0	--
	Unpaved Shoulders (Not shown on plans, used by Geopak for designing)	28	2	0	--
	Drives	1	2	0	--
	Curb and Gutter	5	2	0	--
	Curbs	5	2	0	--
	Bridges and Pedestrian Overpasses	3	2	0	--
	Sidewalks	10	2	0	--
	Text (Descriptions of items on this level)	1	2	0	0.15
54	Traffic Control Construction Devices (Including Text)				
	Free Standing Plastic Drums	10	2	C	0.15
	Barricades	1	1	C	.0.15
	Median Barrier	11	2	LS	0.15
	Signals	0	2	0	0.15
	Signs	15	2	C	0.15
	Chevron, Flashing, and Sequencing Arrow Panels	--	--	C	0.15
LV	DESCRIPTIONS	CO	WT	LC	TX

55	Traffic Control Operation Devices (Including Text)				
	Free Standing Plastic Drums	10	2	C	0.15
	Barricades	1	1	C	0.15
	Median Barrier	11	2	LS	0.15
	Signals	0	2	0	0.15
	Signs	15	2	C	0.15
	Lighting	8	2	0	0.15
	Chevron, Flashing, and Sequencing Arrow Panels	--	--	C	0.15
	<i>Striping:</i>	--	--	--	--
	White	8	2	0	0.15
	Yellow	2	2	0	0.15
	Skip White	8	2	0	0.15
	Skip Yellow	2	2	0	0.15
	Legend	0	2	0	0.15

LV	DESCRIPTIONS	CO	WT	LC	TX
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56	Proposed Signs and Signals				
	Overhead Signs	2	2	0	--
	Signal Poles	2	2	0	--
	Traffic Signals	2	2	0	--
	Sign Post	22	2	C	--
57	Text for Proposed Sign and Signal Features on Level 56	17	2	0	0.15

58	Grid Data or Geopak Cogo Generated Descriptions				
	Grid Tics	2	0	0	C
	Full Grid Lines	2	0	0	--
	Annotation For Tics	2	1	0	0.15
	Field Generated Description Text	3	1	0	0.15
59	Cogo Generated Point Cells or Point Symbols (Symbology defined with Geopak)	--	--	--	--
60	Cogo Generated Point Numbers (Symbology defined with Geopak)	--	--	--	--
LV	DESCRIPTIONS	CO	WT	LC	TX
61	Sheet Labels, Stamps, North Arrow, etc. (Including Title Block Text)				
	Project Number Stamp	4,11	2,6,8C		--
	Working Sheet / Sheet Number Stamp	1,3,11,2,6		C	--
	Revision Stamp	11	2,4	C	--
	Earthwork Stamp	11	2,4,6C		--
	Superelevation Stamp	13	2	C	--
	P. S. & E. Stamp	1,3	2,4,6C		--
	Cadd Logos (Colors and weight vary)	--	--	C	--
	Scale Bars	11	4	C	--
	North Arrows	11	3	C	--
	Match Lines	11	3	C	--

	Text for Title Blocks and Stamps (Sizes, Colors, Weights, Fonts are variable) - <i>Recommendations shown here -></i>	0-5	3	--	--
62	Sheet Boundaries				
	All Plan and Plan/Profile Sheets (Multiple Symbology)	--	--	C	--
	<i>Borders</i>	4	8	--	--
	<i>Text along borders vary in color and size</i>	--	2	--	--
63	Plotting Control	--	--	--	--
	Plot Shape for location of sheets.	63	0	6	--

FREQUENTLY ASKED QUESTIONS

It seems that the most common things that are put on the wrong level are my leader lines, some of the text, and arrowheads. Why is this and how can I keep from doing it?

Because you are using the generic tools for these items without pre-setting the levels, etc... You have to determine the proper level before using the commands. It is not necessary for you to look up the proper level, just select the level elsewhere on the Roadway's Menus. For example, if you are about to place a leader line and text to describe an item such as a gas line, then you should place it on the same level as utility text. Go to the utility text command and select it. This will set all the proper attributes. Exit that command without entering any text and then pick the generic leader line tool. Better yet, go to the proper place on the menu and locate the leader line tools for that feature.

Why are only a few levels or no levels are showing up in my design file?

This indicates that you may be viewing the design file outside of Roadway Design Workspace. Make sure you are using our workspace to open any design file. Level filters can make it appear that only certain levels are available. Check your Level Filter setting and set to "none" to see all levels.

What is causing all my elements on any level to show up in the wrong color?

The most likely reason for this is that someone has turned on the view attribute called "Level Overrides". The level library defines what the Level Override colors look like. Level Overrides by be used occasionally for quickly applying alternate level symbology, This can easily be corrected by opening up the View Attributes dialog and un-checking the Level Override option in all views.

Another reason is that someone may have applied a color table that is not the Roadway standard. Color tables are embedded in a design file and follow along with the file even when the original color table is not supplied. Use the Settings > Color Table command in Microstation to attach our standard color table.

Can I get a print-out list of the standard level names?

Yes, this chapter contains a link to a [printable](#) set of level names in PDF format.