

# 2 Levels

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## 2.1 MDT Standard Levels

The MDT design department uses MicroStation Version 8 (V8) to generate Computer Aided Drafting Design, or CADD, drawings. MicroStation organizes information using levels. Levels are layers of information that can be used to organize different pieces of information, or elements. Similar elements are placed on the same level. These levels can be turned on and off so that only selected information is viewed. The levels and their toggle abilities allow for easy file sharing and collaboration between separate departments. MicroStation V8 has over 1.6 billion possible levels to work with, of which MDT only needs to currently utilize about 1,300 levels. The levels used at MDT are divided by design department and named according to the levels purpose.

### 2.1.1 Level Names

At MDT, over a thousand of the MicroStation V8 levels have been assigned names. The names are composed of a one letter status indicator and then the level name.

Indicator	Status
E	Existing
P	Proposed
C	Construction
S	Standard

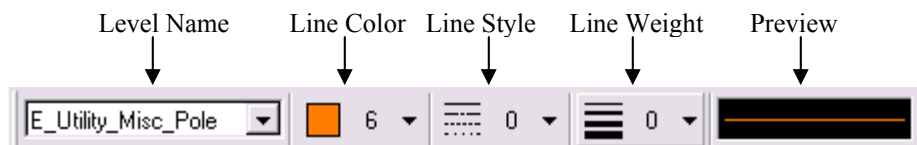
Example:

E\_Feature\_Edge Water

E = Existing. Feature = a clarification category. Edge Water = the object that the line represents.

### 2.1.2 Level Attributes

Each named level has preset attributes: line color, line style, and line weight.



### 2.1.3 MicroStation Version 7

Before July 4, 2005, MDT used MicroStation version 7 (V7), which only had 63 levels to choose from. These 63 levels were shared across the design departments. Now that MDT uses MicroStation v 8, each design department has its own set of levels, some of which correspond with previous v7 levels.

## 2.2 Levels by Department

### 2.2.1 Standard

Level Name	Description	V7 Level
S_ALL_Standard_Sheet_Data_Fields	All standard sheets enter data fields	

### 2.2.2 Bridge Levels

This are the current levels used in the Bridge department.

Level Name	Description	V7 Level
E_Contour Grading Plan_Major Contour Labels	Bridge –	
E_Contour Grading Plan_Major Contour Lines	Bridge –	
E_Contour Grading Plan_Minor Contour Lines	Bridge –	
E_End Bents_Abutments_Asbuilt	Bridge –	63
E Footing Plan_Asbuilt	Bridge –	63
E Footing Plan_Blow Count Boxes	Bridge –	1
E Footing Plan_borehole symbol	Bridge –	1
E Footing Plan_Existing SubStructure	Bridge –	1
E Footing Plan_Existing Utilities	Bridge –	1
E Footing Plan_LogofBoringPatterns	Bridge –	1
E Footing Plan_LogofBoringtext	Bridge –	2
E General Layout_Asbuilt	Bridge –	63
E General Layout_Centerlineprofile	Bridge –	1
E General Layout_Existing Structure	Bridge –	1
E General Layout_Existing Utilities	Bridge –	1
E General Layout_Left profile	Bridge –	4
E General Layout_Major Contour Labels	Bridge –	2
E General Layout_Major Contour Lines	Bridge –	4
E General Layout_Minor Contour Lines	Bridge –	4
E General Layout_Right profile	Bridge –	4
E Intermediate Bents_Piers_Asbuilt	Bridge –	63
E Site Model_Major Contour Labels	Bridge –	
E Site Model_Major Contour Lines	Bridge –	
E Site Model_Minor Contour Lines	Bridge –	
P_Contour Grading Plan_Major Contour Labels	Bridge –	
P_Contour Grading Plan_Major Contour Lines	Bridge –	
P_Contour Grading Plan_Minor Contour Labels	Bridge –	
P_Contour Grading Plan_Minor Contour Lines	Bridge –	
P_End Bents_Abutments_Backwall	Bridge –	1
P_End Bents_Abutments_Backwall Reinforcing steel	Bridge –	5
P_End Bents_Abutments_Backwallhidden	Bridge –	1
P_End Bents_Abutments_Barrier rail	Bridge –	1
P_End Bents_Abutments_Beams/Girders	Bridge –	1
P_End Bents_Abutments_Cap	Bridge –	1
P_End Bents_Abutments_Cap Reinforcing Steel	Bridge –	5
P_End Bents_Abutments_Caphidden	Bridge –	1
P_End Bents_Abutments_Charts_Tables	Bridge –	2
P_End Bents_Abutments_CL bearings/bents	Bridge –	1
P_End Bents_Abutments_Dimension lines	Bridge –	2
P_End Bents_Abutments_Dimensions	Bridge –	2
P_End Bents_Abutments_Drilledshaft	Bridge –	1
P_End Bents_Abutments_Flutedpiles	Bridge –	1
P_End Bents_Abutments_Hand rail	Bridge –	1
P_End Bents_Abutments_Hpiles	Bridge –	1

Level Name	Description	V7 Level
P_End Bents_Abutments_Note text	Bridge –	2
P_End Bents_Abutments_patterning	Bridge –	1
P_End Bents_Abutments_Pedestrian Rail	Bridge –	1
P_End Bents_Abutments_Pipepipes	Bridge –	1
P_End Bents_Abutments_Roadwaycenterline	Bridge –	1
P_End Bents_Abutments_Shoes	Bridge –	1
P_End Bents_Abutments_Slab	Bridge –	1
P_End Bents_Abutments_Slab hidden	Bridge –	1
P_End Bents_Abutments_T101 rail	Bridge –	1
P_End Bents_Abutments_Title Text	Bridge –	2
P_End Bents_Abutments_Wingwall	Bridge –	1
P_End Bents_Abutments_Wingwall hidden	Bridge –	1
P_End Bents_Abutments_Wingwall Reinforcing Steel turnback only	Bridge –	5
P_Footing Plan_Bent	Bridge –	1
P_Footing Plan_CL bearings/bents	Bridge –	2
P_Footing Plan_Dimension lines	Bridge –	2
P_Footing Plan_ElevScale	Bridge –	2
P_Footing Plan_Hpiles	Bridge –	1
P_Footing Plan_North Arrow	Bridge –	2
P_Footing Plan_Note text	Bridge –	2
P_Footing Plan_Pier	Bridge –	1
P_Footing Plan_Pile extension details	Bridge –	1
P_Footing Plan_Pipepipes	Bridge –	1
P_Footing Plan_Roadwaycenterline	Bridge –	1
P_Footing Plan_Span/Long Chords	Bridge –	1
P_Footing Plan_Test/dynamic pile	Bridge –	1
P_Footing Plan_Title Text	Bridge –	2
P_Footing Plan_Tracerlines	Bridge –	1
P_General Layout_Backwall	Bridge –	1
P_General Layout_Barrier rail	Bridge –	1
P_General Layout_Beams/Girders	Bridge –	1
P_General Layout_Bent	Bridge –	1
P_General Layout_Cap	Bridge –	1
P_General Layout_Caphidden	Bridge –	1
P_General Layout_CL bearings/bents	Bridge –	2
P_General Layout_Dimension lines	Bridge –	2
P_General Layout_Dimensions	Bridge –	2
P_General Layout_Drilledshaft	Bridge –	1
P_General Layout_ElevScale	Bridge –	2
P_General Layout_FinishedGradeProfile	Bridge –	1
P_General Layout_Flutedpiles	Bridge –	1
P_General Layout_Hand rail	Bridge –	1
P_General Layout_Hpiles	Bridge –	1
P_General Layout_North Arrow	Bridge –	2
P_General Layout_Note text	Bridge –	2
P_General Layout_patterning	Bridge –	1
P_General Layout_Pedestrian Rail	Bridge –	1
P_General Layout_Pier	Bridge –	1
P_General Layout_Pipepipes	Bridge –	1
P_General Layout_Riprap	Bridge –	3
P_General Layout_Ripraphidden	Bridge –	3
P_General Layout_Riprappattern	Bridge –	3
P_General Layout_Roadwaycenterline	Bridge –	1
P_General Layout_Slab	Bridge –	1
P_General Layout_T101 rail	Bridge –	1
P_General Layout_Title Text	Bridge –	2
P_General Layout_Waterelevationmarks	Bridge –	2
P_Girder Detail Sheets_Bearing centerline	Bridge –	2

Level Name	Description	V7 Level
P Girder Detail Sheets Camber diagram	Bridge –	1
P Girder Detail Sheets diaphragms	Bridge –	1
P Girder Detail Sheets dimensions	Bridge –	2
P Girder Detail Sheets Girder/beam	Bridge –	1
P Girder Detail Sheets joints	Bridge –	1
P Girder Detail Sheets Note Text	Bridge –	2
P Girder Detail Sheets Shear Studs	Bridge –	1
P Girder Detail Sheets shoes	Bridge –	1
P Girder Detail Sheets splices	Bridge –	1
P Girder Detail Sheets stiffeners	Bridge –	1
P Girder Detail Sheets stringline slope	Bridge –	2
P Girder Detail Sheets tables/charts	Bridge –	2
P Girder Detail Sheets Title Text	Bridge –	2
P Girder Detail Sheets working points	Bridge –	1
P Intermediate Bents Piers Cap	Bridge –	1
P Intermediate Bents Piers Cap Reinforcing Steel	Bridge –	5
P Intermediate Bents Piers Caphidden	Bridge –	1
P Intermediate Bents Piers Charts Tables	Bridge –	2
P Intermediate Bents Piers CL bearings/bents	Bridge –	2
P Intermediate Bents Piers Dimension lines	Bridge –	2
P Intermediate Bents Piers Drilledshaft	Bridge –	1
P Intermediate Bents Piers Flutedpiles	Bridge –	1
P Intermediate Bents Piers Hpiles	Bridge –	1
P Intermediate Bents Piers Iceplate	Bridge –	1
P Intermediate Bents Piers Note text	Bridge –	2
P Intermediate Bents Piers patterning	Bridge –	3
P Intermediate Bents Piers Pipepiles	Bridge –	1
P Intermediate Bents Piers Roadwaycenterline	Bridge –	1
P Intermediate Bents Piers Shaft Reinforcing steel	Bridge –	1
P Intermediate Bents Piers Shoes	Bridge –	1
P Intermediate Bents Piers Slab	Bridge –	1
P Intermediate Bents Piers Slab hidden	Bridge –	1
P Intermediate Bents Piers Title Text	Bridge –	2
P Miscellaneous Details Hand Rail/Pedestrian Rail Details	Bridge –	1
P Miscellaneous Details luminaire support	Bridge –	1
P Miscellaneous Details retaining wall	Bridge –	1
P Miscellaneous Details sign support	Bridge –	1
P Miscellaneous Details stairway detail	Bridge –	1
P Miscellaneous Details utility attachment	Bridge –	1
P Q-Sheet County Name	Bridge –	2
P Q-Sheet Heading	Bridge –	2
P Q-Sheet List of Drawings data	Bridge –	2
P Q-Sheet List of Drawings sub-title	Bridge –	2
P Q-Sheet List of Drawings title	Bridge –	2
P Q-Sheet Project Names	Bridge –	2
P Q-Sheet Project No.	Bridge –	2
P Q-Sheet Sub-Heading	Bridge –	2
P Q-Sheet Table Sub Titles and Data	Bridge –	2
P Q-Sheet Table Title estimated bridge plan quantities	Bridge –	2
P Site Model Cross Sections	Bridge –	
P Site Model Existing ground	Bridge –	
P Site Model Face of cap	Bridge –	
P Site Model Major Contour Labels	Bridge –	
P Site Model Major Contour Lines	Bridge –	
P Site Model Minor Contour Labels	Bridge –	
P Site Model Minor Contour Lines	Bridge –	
P Site Model Profile	Bridge –	

Level Name	Description	V7 Level
P Site Model_Proposed Grade	Bridge –	
P Site Model_Riprap	Bridge –	
P Site Model_Riprap Bottom surface	Bridge –	
P Site Model_Riprap Top surface	Bridge –	
P Site Model_Side slope	Bridge –	
P Site Model_Wingwall	Bridge –	
P Slab Detail/Erection Plan_Backwall	Bridge –	1
P Slab Detail/Erection Plan_Barrier_Rail	Bridge –	1
P Slab Detail/Erection Plan_barrierreinforcingsteel	Bridge –	5
P Slab Detail/Erection Plan_beam_girders	Bridge –	1
P Slab Detail/Erection Plan_Cap	Bridge –	1
P Slab Detail/Erection Plan_Caphidden	Bridge –	1
P Slab Detail/Erection Plan_Charts_Tables	Bridge –	2
P Slab Detail/Erection Plan_diaphragmreinforcingsteel	Bridge –	5
P Slab Detail/Erection Plan_Hand rail	Bridge –	1
P Slab Detail/Erection Plan_intermediate diaphragms	Bridge –	1
P Slab Detail/Erection Plan_Note text	Bridge –	2
P Slab Detail/Erection Plan_Pedestrian Rail	Bridge –	1
P Slab Detail/Erection Plan_Railpostreinforcingsteel	Bridge –	5
P Slab Detail/Erection Plan_Slab	Bridge –	1
P Slab Detail/Erection Plan_Slabreinforcingsteel	Bridge –	5
P Slab Detail/Erection Plan_T101 rail	Bridge –	1
P Slab Detail/Erection Plan_Title Text	Bridge –	2
S Prestressed Beams_dimensions	Bridge –	2
S Prestressed Beams_Note text	Bridge –	2
S Prestressed Beams_patterning	Bridge –	1
S Prestressed Beams_Reinforcing Steel	Bridge –	5
S Prestressed Beams_Shoes	Bridge –	1
S Prestressed Beams_Title text	Bridge –	2
S Prestressed Beams_Beams/Girders	Bridge –	1
S Standard Bridge Border_border	Bridge –	1
S Standard Bridge Border_MDT Logo	Bridge –	3
S Standard Bridge Border_Preliminary stamp	Bridge –	10
S Standard Bridge Border_revised/approve box	Bridge –	3
S Standard Bridge Border_time/date stamp	Bridge –	1
S Standard Bridge Rail Type T101_Note Text	Bridge –	2
S Standard Bridge Rail Type T101_Rail	Bridge –	1
S Standard Bridge Rail Type T101_Slab	Bridge –	1
S Standard Bridge Rail Type T101_Title Text	Bridge –	2
S Standard Slab, Rail and Diaphragm_Barrier	Bridge –	1
S Standard Slab, Rail and Diaphragm_Diaphragms	Bridge –	1
S Standard Slab, Rail and Diaphragm_Note Text	Bridge –	2
S Standard Slab, Rail and Diaphragm_reinforcingsteel	Bridge –	5
S Standard Slab, Rail and Diaphragm_shoes	Bridge –	1
S Standard Slab, Rail and Diaphragm_Slab	Bridge –	1
S Standard Slab, Rail and Diaphragm_T101 rail	Bridge –	1
S Standard Slab, Rail and Diaphragm_Title Text	Bridge –	2

### 2.2.3 Hydraulics Levels

This are the current levels used in the Hydraulics department.

Level Name	Description	V7 Level
E_Feature_Edge	Hydraulics –	
E_Feature_Edge Water	Hydraulics – Edge Water	
E_Feature_EdgeVegetation	Hydraulics – Edge Vegetation	
E_Feature_HighWater	Hydraulics – High Water	
E_Feature_Profiles	Hydraulics – Profiles	
E_Feature_RipRap	Hydraulics – Riprap	
E_Feature_RipRapText	Hydraulics – Riprap Text	
E_Feature_Text	Hydraulics – Text	
E_Feature_Thalweg	Hydraulics – Thalweg of Stream	
E_Pipes_Inlet	Hydraulics – Inlet	
E_Pipes_InletText	Hydraulics – Inlet Text	
E_Pipes_IrrPipe	Hydraulics – Irrigation Pipe	
E_Pipes_IrrPipeText	Hydraulics – Irrigation Pipe Text	
E_Pipes_MH	Hydraulics – Manhole	
E_Pipes_MHText	Hydraulics – Manhole Text	
E_Pipes_Pipe	Hydraulics – Pipe	
E_Pipes_PipeText	Hydraulics – Pipe Text	
E_Pipes_Structure	Hydraulics – Structure	
E_Pipes_StructureText	Hydraulics – Structure Text	
E_Profile_WaterSurfaceProfile	Hydraulics – Water Surface Profile	
P_DESIGN_Culvert	Hydraulics – Design Culvert	
P_DESIGN_Detail	Hydraulics – Design Detail	
P_DESIGN_Dimensions	Hydraulics – Design Dimensions	
P_DESIGN_Ditch	Hydraulics – Design Ditch	
P_DESIGN_DrainageAreas	Hydraulics – Design Drainage Area	
P_DESIGN_General	Hydraulics – Lines used to show balance pts.	
P_DESIGN_General	Hydraulics – Design General	
P_DESIGN_Hatch	Hydraulics – Design Hatch	
P_DESIGN_HydraulicGradelines	Hydraulics – Design Hydraulic Gradelines	
P_DESIGN_Inlet	Hydraulics – Design Inlet	
P_DESIGN_IrrDitch	Hydraulics – Design Irrigation Ditch	
P_DESIGN_IrrPipe	Hydraulics – Design Irrigation Pipe	
P_DESIGN_IrrStructure	Hydraulics – Design Irrigation Structure	
P_DESIGN_MH	Hydraulics – Design Manhole	
P_DESIGN_Outfall	Hydraulics – Design Outfall	
P_DESIGN_ProposedText	Hydraulics – Design Text	
P_DESIGN_RipRap	Hydraulics – Design Riprap	
P_DESIGN_StormDrain	Hydraulics – Design Storm drain	
P_Profile_GeneralProfile	Hydraulics – General Profile	
P_Profile_StormDrainProfile	Hydraulics – Storm Drain Profile	

## 2.2.4 Photogrammetry Levels

This are the current levels used in the Photogrammetry department.

Level Name	Description	V7 Level
E_Drainage_Misc_Ditch	Photogrammetry – Existing Ditch	23
E_Drainage_Misc_DitchText	Photogrammetry – Existing Ditch–Text	
E_Natural_Vegetation_TreeLine–NonCustom	Photogrammetry – Existing Treeline – Noncustom	9
E_Natural_Vegetation_TreeLine–NonCustomText	Photogrammetry – Existing Treeline – Noncustom–Text	
E_Natural_Water_Arrow	Photogrammetry – Existing Arrow	7
E_Natural_Water_ArrowText	Photogrammetry – Existing Arrow–Text	
E_Natural_Water_Swamp	Photogrammetry – Existing Swamp	7
E_Natural_Water_SwampText	Photogrammetry – Existing Swamp–Text	
E_Photogrammetry_Contour_ContourIndexAnnotation	Photogrammetry – Existing Contour – Index Annotation	53
E_Photogrammetry_Contour_ContourIndexObscure	Photogrammetry – Existing Contour – Index Obscure	53
E_Photogrammetry_Contour_ContourIndexObscureAnnotation	Photogrammetry – Existing Contour – Index Obscure Annotation	53
E_Photogrammetry_Contour_ContourIndexDepression	Photogrammetry – Existing Contour – Index Depression	53
E_Photogrammetry_Contour_ContourIndexDepressionAnnotation	Photogrammetry – Existing Contour – Index Depression Annotation	53
E_Photogrammetry_Contour_ContourIndexObscureDepression	Photogrammetry – Existing Contour – Index Obscure Depression	53
E_Photogrammetry_Contour_ContourIndexObscureDepressionAnnotation	Photogrammetry – Existing Contour – Index Obscure Depression Annotation	53
E_Photogrammetry_Contour_ContourIntermediate	Photogrammetry – Existing Contour – Intermediate	54
E_Photogrammetry_Contour_ContourIntermediateAnnotation	Photogrammetry – Existing Contour – Intermediate Annotation	54
E_Photogrammetry_Contour_ContourIntermediateObscure	Photogrammetry – Existing Contour – Intermediate Obscure	54
E_Photogrammetry_Contour_ContourIntermediateObscureAnnotation	Photogrammetry – Existing Contour – Intermediate Obscure Annotation	54
E_Photogrammetry_Contour_ContourIntermediateDepression	Photogrammetry – Existing Contour – Intermediate Depression	54
E_Photogrammetry_Contour_ContourIntermediateDepressionAnnotation	Photogrammetry – Existing Contour – Intermediate Depression Annotation	54
E_Photogrammetry_Contour_ContourIntermediateObscureDepression	Photogrammetry – Existing Contour – Intermediate Obscure Depression	54
E_Photogrammetry_Contour_ContourIntermediateObscureDepressionAnnotation	Photogrammetry – Existing Contour – Intermediate Obscure Depression Annotation	54
E_Photogrammetry_Contour_ContourIndex	Photogrammetry – Existing Contour – Index	53
E_Photogrammetry_Control_ControlPoint–Full	Photogrammetry – Existing Control Point – Full	51
E_Photogrammetry_Control_ControlPointText–Full	Photogrammetry – Existing Control Pt Text – Full	52
E_Photogrammetry_Control_ControlPoint–Horizontal	Photogrammetry – Existing Control Point – Horz	51
E_Photogrammetry_Control_ControlPointText–Horizontal	Photogrammetry – Existing Control Pt Text – Horz	52
E_Photogrammetry_Control_ControlPoint–Pass	Photogrammetry – Existing Control Pt – Pass	51
E_Photogrammetry_Control_ControlPointText–Pass	Photogrammetry – Existing Control Pt Text – Pass	52
E_Photogrammetry_Control_ControlPoint–Vertical	Photogrammetry – Existing Control Point – Vert	51
E_Photogrammetry_Control_ControlPoint–TextVertical	Photogrammetry – Existing Control Pt Text – Vert	52
E_Photogrammetry_Dtm_SpotHeight	Photogrammetry – Existing Spot Height	13
E_Photogrammetry_Dtm_SpotHeightText	Photogrammetry – Existing Elevation/Spot Height–Text	61
E_Photogrammetry_Ima_Breakline–Ima	Photogrammetry – Existing Breakline	21
E_Photogrammetry_Ima_Breakline–Ima Text	Photogrammetry – Existing Breakline Text	
E_Photogrammetry_Ima_DrainLine–Ima	Photogrammetry – Existing Drainline	20
E_Photogrammetry_Ima_DrainLine–ImaText	Photogrammetry – Existing Drainline Text	



Level Name	Description	V7 Level
E_Photogrammetry_Ima_MassPoint-Ima	Photogrammetry – Existing Mass Point	10
E_Photogrammetry_Ima_MassPoint-ImaText	Photogrammetry – Existing Mass Point Text	
E_Photogrammetry_Ima_MassPointforSingleProfileLine-Ima	Photogrammetry – Existing Mass Point for Single Profile Line	
E_Photogrammetry_Ima_MassPointforSingleProfileLine-ImaText	Photogrammetry – Existing Mass Point for Single Profile Line Text	
E_Photogrammetry_Ima_Obscurearea-Ima	Photogrammetry – Existing Obscure Area	12
E_Photogrammetry_Ima_Obscurearea-ImaText	Photogrammetry – Existing Obscure Area Text	
E_Photogrammetry_Ima_RidgeLine-Ima	Photogrammetry – Existing Ridge Line	14
E_Photogrammetry_Ima_RidgeLine-ImaText	Photogrammetry – Existing Ridge Line Text	
E_Photogrammetry_Ima_SingleProfileLine-Ima	Photogrammetry – Existing Single Profile Line	
E_Photogrammetry_Ima_SingleProfileLine-ImaText	Photogrammetry – Existing Single Profile Line Text	
E_Photogrammetry_Ima_SpotHeight-Ima	Photogrammetry – Existing Spot Height	13
E_Photogrammetry_Ima_SpotHeight-ImaText	Photogrammetry – Existing Spot Height Text	
E_Photogrammetry_Ima_VerticalFault-Ima	Photogrammetry – Existing Vertical Fault	18
E_Photogrammetry_Ima_VerticalFault-ImaText	Photogrammetry – Existing Vertical Fault Text	
E_Photogrammetry_Misc_ObscureArea(Planimetric)	Photogrammetry – Existing Obscure Area – Planimetric	
E_Photogrammetry_Misc_ObscureArea(Planimetric)Text	Photogrammetry – Existing Obscure Area – Planimetric–Text	
E_Photogrammetry_Misc_GridTick	Photogrammetry – Existing Grid Tick	63
E_Photogrammetry_Misc_GridTickText	Photogrammetry – Existing Grid Tick–Text	
E_Photogrammetry_Misc_GridLine	Photogrammetry – Existing Grid Line	63
E_Photogrammetry_Misc_GridLineText	Photogrammetry – Existing Grid Line–Text	
E_Photogrammetry_Misc_TitleBlock	Photogrammetry – Existing Old Title Block – MDT	2
E_Photogrammetry_Misc_TitleBlockText	Photogrammetry – Existing Old Title Block – MDT–Text	
E_Photogrammetry_Misc_TitleBlockMDT	Photogrammetry – Existing New Title Block – MDT – Metric	2
E_Photogrammetry_Misc_TitleBlockMDT Text	Photogrammetry – Existing New Title Block – MDT–Text – Metric	
E_Photogrammetry_Misc_TitleBlockConsultant	Photogrammetry – Existing Title Block – Consultant – Metric	2
E_Photogrammetry_Misc_TitleBlockConsultant Text	Photogrammetry – Existing Title Block – Consultant–Text – Metric	
E_Road_RR_Road_ConcreteRoad	Photogrammetry – Existing Concrete Road	19
E_Road_RR_Road_ConcreteRoadText	Photogrammetry – Existing Concrete Road–Text	
E_Road_RR_Road_PaintedLine	Photogrammetry – Existing Painted Line	7
E_Road_RR_Road_PaintedLineText	Photogrammetry – Existing Painted Line–Text	
E_Road_RR_Road_Gutter	Photogrammetry – Existing Gutter	19
E_Road_RR_Road_GutterText	Photogrammetry – Existing Gutter–Text	
E_Structure_Misc_BuildingFoundation	Photogrammetry – Existing Building Foundation	7
E_Structure_Misc_BuildingFoundationText	Photogrammetry – Existing Building Foundation–Text	
E_Uilities_Misc_Pipeline	Photogrammetry – Existing Pipeline	8
E_Uilities_Misc_PipelineText	Photogrammetry – Existing Pipeline–Text	
E_Uilities_Power_UtilityBox	Photogrammetry – Existing Utility Box	30
E_Uilities_Power_UtilityBoxText	Photogrammetry – Existing Utility Box–Text	
E_Drainage_Culvert	Photogrammetry – Existing Culvert	
E_Photogrammetry_Misc_TitleBlockMDT_English	Photogrammetry – Existing New Title Block – MDT – English	
E_Photogrammetry_Misc_TitleBlockMDTText_English	Photogrammetry – Existing New Title Block – MDT–Text – English	
E_Photogrammetry_Misc_TitleBlockConsultant_English	Photogrammetry – Existing Title Block – Consultant – English	
E_Photogrammetry_Misc_TitleBlockConsultantText_English	Photogrammetry – Existing Title Block – Consultant–Text – English	

## 2.2.5 Right of Way Levels

Level Name	Description	V7 Level
E_RW_AccessControl_EX	Right of Way – EAC – Cell	42
E_RW_AliquotPart_And_Lot_Call	Right of Way – QTRCAL/LOTICAL – Cell	19
E_RW_CountyLine_Label	Right of Way –	52
E_RW_CountyRd_CityStreet_Name	Right of Way –	52
E_RW_EX_RW_And_Ease_Dimension	Right of Way –	28
E_RW_EX_RW_And_Ease_Line	Right of Way –	30
E_RW_EX_RW_Call_Leader	Right of Way – OLDES – Cell	29
E_RW_ForestService_Call	Right of Way – NFSL – Cell	24
E_RW_GovernmentLand_Label	Right of Way – Parks/Military Res/USAF etc – Text	
E_RW_IndianAllotmentNumber	Right of Way –	51
E_RW_IndianResNameBoundary	Right of Way –	51
E_RW_Land_Identifier	Right of Way – COS No/Subdivision/Lot and Blk No – Text	45
E_RW_MilitaryResNameBoundary	Right of Way –	
E_RW_Monument_Callout	Right of Way – STA and Offset for EX RW Monument	
E_RW_Monument_Found	Right of Way – RWMON – Cell	30
E_RW_NonHighwayEase	Right of Way – Access/Drainage/Irrigation etc – Line	38
E_RW_NonHighwayEase_Dimension	Right of Way – Dimension/Label etc	39
E_RW_North_Arrow	Right of Way – NAR/NAR180 –Cell	1
E_RW_Ownership_Dots	Right of Way –	34
E_RW_Ownership_Tie	Right of Way – TIE – Cell	26
E_RW_Property_Line	Right of Way –	34
E_RW_PropertyCorner_Found	Right of Way – PCF – Cell	39
E_RW_RR_Name	Right of Way –	27
E_RW_RR_RW_Dimension	Right of Way –	27
E_RW_RR_RW_Line	Right of Way – Existing Railroad RW Line	40
E_RW_RR_Stationing	Right of Way –	23
E_RW_Section_Corners	Right of Way – Section Corner Cells	16
E_RW_SectionLine_Exterior	Right of Way –	16
E_RW_SectionLine_Interior	Right of Way –	35
E_RW_Temp_1	Right of Way – Working Level	
E_RW_Temp_2	Right of Way – Working Level	
E_RW_Temp_3	Right of Way – Working Level	
E_RW_Temp_4	Right of Way – Working Level	
E_RW_Temp_5	Right of Way – Working Level	
E_RW_Temp_6	Right of Way – Working Level	
E_RW_Temp_7	Right of Way – Working Level	
E_RW_Temp_8	Right of Way – Working Level	
E_RW_Temp_9	Right of Way – Working Level	
E_RW_Temp_10	Right of Way – Working Level	
E_RW_TownName	Right of Way – Town Name	46
E_RW_TownshipRange_Call	Right of Way – TRCAL – Cell	17
E_RW_Tract_Of_Land_Desc	Right of Way – TRACT – Cell	25
E_RW_WaterwayLabel	Right of Way – River/Lake/Creek/Canal/Ditch/Coulee –Text	
P_RW_AccessControl	Right of Way – Various Cells	43
P_RW_AcquisitionCallout	Right of Way – ACQBEG/ACQEND – Cell	44
P_RW_ASCII_Note	Right of Way – CRDGPK – Cell	48
P_RW_CenterlineExtension	Right of Way –	32
P_RW_CenterlineExtension_Text	Right of Way –	
P_RW_CenterlineSymbol	Right of Way – CL – Cell	
P_RW_CityLimit_Label	Right of Way –	
P_RW_CondemnHatching_Acreage	Right of Way –	
P_RW_CondemnTempEase_Callout_Dim	Right of Way –	
P_RW_CondemnTempEase_Line	Right of Way –	
P_RW_ConstPmt_Callout_Dim	Right of Way – Various Cells	37

Level Name	Description	V7 Level
P RW ConstPmt Line	Right of Way –	36
P RW ConstPmt Note	Right of Way –	
P RW Copied Final Alignment	Right of Way – Copied from Road Design strip map	3
P RW Copied Final Centerline Text	Right of Way – Copied from Road Design strip map	4
P RW Copied Final Const Limits	Right of Way – Copied from Road Design strip map	33
P RW Copied Prelim Align And Text	Right of Way – Copied from Road Design strip map	25
P RW Copied Prelim Const Limits	Right of Way – Copied from Road Design strip map	26
P RW CrossHatching IndianLand	Right of Way –	51
P RW DNRC Callout	Right of Way – Various Cells	24
P RW ExcessLandShading Note	Right of Way –	
P RW EXH Legend Hatching1	Right of Way – HATCH1 – Cell	
P RW EXH Legend Hatching2	Right of Way – HATCH2 – Cell	
P RW EXH Legend Hatching3	Right of Way – HATCH3 – Cell	
P RW Exhibit Shading 1	Right of Way –	
P RW Exhibit Shading 2	Right of Way –	
P RW Exhibit Shading 3	Right of Way – Various Cells	
P RW Exhibit Shading 4	Right of Way –	
P RW Exhibit Shading 5	Right of Way – Dimension/Label etc	
P RW Exhibit Shading 6	Right of Way – Access/Drainage/Irrigation etc – Line	
P RW Exhibit Shading 7	Right of Way – OMTSHT – Cell	
P RW Exhibit Shading 8	Right of Way –	
P RW Exhibit Shading 9	Right of Way – PRCL1–PRCL9 – Cell	
P RW Exhibit Shading 10	Right of Way – PLUSLT/PLUSRT– Cell	
P RW Exhibit Shading 11	Right of Way – Copied from Road Design Title Sheet	
P RW Exhibit Shading 12	Right of Way – RETRACE – Cell	
P RW Exhibit Shading 13	Right of Way – Shading for RR exhibits	
P RW Exhibit Shading 14	Right of Way – SEAL – Cell	
P RW Exhibit Shading 15	Right of Way – CORTIE – Cell	
P RW Exhibit Shading 16	Right of Way – STBLK – Cell	
P RW Exhibit Shading 17	Right of Way – SPCNOTE – Cell	
P RW Exhibit Shading 18	Right of Way – Working Level	
P RW Exhibit Shading 19	Right of Way – Working Level	
P RW Exhibit Shading 20	Right of Way – Working Level	
P RW Exhibit Shading 21	Right of Way – Working Level	
P RW Exhibit Shading 22	Right of Way – Working Level	
P RW Exhibit Shading 23	Right of Way – Working Level	
P RW Exhibit Shading 24	Right of Way – Working Level	
P RW Exhibit Shading 25	Right of Way – Working Level	
P RW Exhibit Shading 26	Right of Way – Working Level	
P RW Exhibit Shading 27	Right of Way – Working Level	
P RW Exhibit Shading 28	Right of Way – USFSSIGN – Cell	
P RW Exhibit Shading 29	Right of Way –	
P RW Exhibit Shading 30	Right of Way –	
P RW Exhibit Shading 31	Right of Way –	
P RW Exhibit Shading 32	Right of Way –	
P RW Exhibit Shading 33	Right of Way –	
P RW Exhibit Shading 34	Right of Way –	
P RW Exhibit Shading 35	Right of Way –	
P RW Exhibit Shading 36	Right of Way –	
P RW Exhibit Shading 37	Right of Way –	
P RW Exhibit Shading 38	Right of Way –	
P RW Exhibit Shading 39	Right of Way –	
P RW Exhibit Shading 40	Right of Way –	
P RW Exhibit Shading 41	Right of Way –	
P RW Exhibit Shading 42	Right of Way –	
P RW Exhibit Shading 43	Right of Way –	
P RW Exhibit Shading 44	Right of Way –	
P RW Exhibit Shading 45	Right of Way –	
P RW Exhibit Shading 46	Right of Way –	

Level Name	Description	V7 Level
P RW Exhibit Shading 47	Right of Way –	
P RW Exhibit Shading 48	Right of Way –	
P RW Exhibit Shading 49	Right of Way –	
P RW Exhibit Shading 50	Right of Way –	
P RW Exhibit Shading 51	Right of Way –	
P RW Exhibit Shading 52	Right of Way –	
P RW Exhibit Shading 53	Right of Way –	
P RW Exhibit Shading 54	Right of Way –	
P RW Exhibit Shading 55	Right of Way –	
P RW Exhibit Shading 56	Right of Way –	
P RW Exhibit Shading 57	Right of Way –	
P RW Exhibit Shading 58	Right of Way –	
P RW Exhibit Shading 59	Right of Way –	
P RW Exhibit Shading 60	Right of Way –	
P RW Exhibit Shading 61	Right of Way –	
P RW Exhibit Shading 62	Right of Way –	
P RW Exhibit Shading 63	Right of Way –	
P RW Exhibit Shading 64	Right of Way –	
P RW Exhibit Shading 65	Right of Way –	
P RW Exhibit Shading 66	Right of Way –	
P RW Exhibit Shading 67	Right of Way –	
P RW Exhibit Shading 68	Right of Way –	
P RW Exhibit Shading 69	Right of Way –	
P RW Exhibit Shading 70	Right of Way –	
P RW Exhibit Shading 71	Right of Way –	
P RW Exhibit Shading 72	Right of Way –	
P RW Exhibit Shading 73	Right of Way –	
P RW Exhibit Shading 74	Right of Way –	
P RW Exhibit Shading 75	Right of Way –	
P RW Exhibit Shading 76	Right of Way –	
P RW Exhibit Shading 77	Right of Way –	
P RW Exhibit Shading 78	Right of Way –	
P RW Exhibit Shading 79	Right of Way –	
P RW Exhibit Shading 80	Right of Way –	
P RW Exhibit Shading 81	Right of Way –	
P RW Exhibit Shading 82	Right of Way –	
P RW Exhibit Shading 83	Right of Way –	
P RW Exhibit Shading 84	Right of Way –	
P RW Exhibit Shading 85	Right of Way –	
P RW Exhibit Shading 86	Right of Way –	
P RW Exhibit Shading 87	Right of Way –	
P RW Exhibit Shading 88	Right of Way –	
P RW Exhibit Shading 89	Right of Way –	
P RW Exhibit Shading 90	Right of Way –	
P RW Exhibit Shading 91	Right of Way –	
P RW Exhibit Shading 92	Right of Way –	
P RW Exhibit Shading 93	Right of Way –	
P RW Exhibit Shading 94	Right of Way –	
P RW Exhibit Shading 95	Right of Way –	
P RW Exhibit Shading 96	Right of Way –	
P RW Exhibit Shading 97	Right of Way –	
P RW Exhibit Shading 98	Right of Way –	
P RW Exhibit Shading 99	Right of Way –	
P RW Exhibit Shading 100	Right of Way –	
P RW ForestServiceAdd Info	Right of Way –	49
P RW Hatching GovtLand	Right of Way –	50
P RW New RW And Ease Callout And Dim	Right of Way –	32
P RW New RW And Ease Line	Right of Way –	31
P RW NonHighwayEase Dimension	Right of Way –	

<b>Level Name</b>	<b>Description</b>	<b>V7 Level</b>
P_RW_NonHighwayEase_Line	Right of Way –	
P_RW_OmitSheetsNote	Right of Way –	2
P_RW_OwnershipNotes	Right of Way –	
P_RW_Parcel_Number	Right of Way –	25
P_RW_Plus_00_LT_RT	Right of Way –	33
P_RW_ProjLocationArrow	Right of Way –	1
P_RW_RetraceNote	Right of Way –	21
P_RW_RR_AcquisitionShading	Right of Way –	
P_RW_Seal	Right of Way –	61
P_RW_Section_Corner_Tie	Right of Way –	15
P_RW_StateLand_Block	Right of Way –	24
P_RW_StatePlaneCoord_Note	Right of Way –	20
P_RW_Temp_1	Right of Way –	
P_RW_Temp_2	Right of Way –	
P_RW_Temp_3	Right of Way –	
P_RW_Temp_4	Right of Way –	
P_RW_Temp_5	Right of Way –	
P_RW_Temp_6	Right of Way –	
P_RW_Temp_7	Right of Way –	
P_RW_Temp_8	Right of Way –	
P_RW_Temp_9	Right of Way –	
P_RW_Temp_10	Right of Way –	
P_RW_USFS_Signature	Right of Way –	63

## 2.2.6 Road Design Levels

Level Name	Description	V7 Level
E_Alignment_StkdCL	Road – Existing Alignment (STAKED) Delineation	1
E_Alignment_StkdCL_Text	Road – Existing Alignment (STAKED) Annotation	2
E_Alignment_Traverse	Road – Existing Alignment (TRAVERSE) Delineation	1
E_Alignment_Traverse_Text	Road – Existing Alignment (TRAVERSE) Annotation	2
E_Breakline_Features	Road – Existing Breakline Delineation	1
E_Breakline_Features_Text	Road – Existing Breakline Text	2
E_Contours_Major_Labels	Road – Existing Contour Major Lines	7
E_Contours_Major_Line	Road – Existing Contour Major Line Labels	7
E_Contours_Minor_Labels	Road – Existing Contour Minor Lines	7
E_Contours_Minor_Line	Road – Existing Contour Minor Line Labels	7
E_Drainage_Delineation	Road – Existing Drainage Delineation	10
E_Drainage_Text	Road – Existing Drainage Text	10
E_Ground_XS_Delineation	Road – Existing Ground XSection Delineation	2
E_Profile_Staked	Road – Existing Profile (STAKED) Delineation	51
E_Profile_Staked_Text	Road – Existing Profile (STAKED) Annotation	53
E_Profile_Staked_HorzVert_Text	Road – Existing Profile (STAKED) Horz/Vert Text	53
E_Profile_Approach	Road – Existing Profile (APPROACH) Delineation	51
E_Profile_Approach_Text	Road – Existing Profile (APPROACH) Annotation	53
E_Profile_Approach_HorzVert_Text	Road – Existing Profile (APPROACH) Horz/Vert Text	53
E_Profile_Design	Road – Existing Profile (DESIGN) Delineation	52
E_Profile_Design_Text	Road – Existing Profile (DESIGN) Annotation	53
E_Profile_Design_HorzVert_Text	Road – Existing Profile (DESIGN) Horz/Vert Text	53
E_Profile_Detour	Road – Existing Profile (DETOUR) Delineation	51
E_Profile_Detour_Text	Road – Existing Profile (DETOUR) Annotation	53
E_Profile_Detour_HorzVert_Text	Road – Existing Profile (DETOUR) Horz/Vert Text	53
E_Profile_FrontRd	Road – Existing Profile (FRONTRD) Delineation	51
E_Profile_FrontRd_Text	Road – Existing Profile (FRONTRD) Annotation	53
E_Profile_FrontRd_HorzVert_Text	Road – Existing Profile (FRONTRD) Horz/Vert Text	53
E_Profile_General_Notes_Text	Road – Existing Profile General Notes	54
E_Profile_Ramp	Road – Existing Profile (RAMP) Delineation	51
E_Profile_Ramp_Text	Road – Existing Profile (RAMP) Annotation	53
E_Profile_Ramp_HorzVert_Text	Road – Existing Profile (RAMP) Horz/Vert Text	53
E_ROW_Delineation	Road – Existing Right of Way Delineation	29
E_ROW_Text	Road – Existing Right of Way Text	29
E_SoilData_Borehole	Road – Existing Borehole Delineation	45
E_SoilData_Borehole_Text	Road – Existing Borehole Text	45
E_SoilData_Corehole	Road – Existing Corehole Delineation	45
E_SoilData_Corehole_Text	Road – Existing Corehole Text	45
E_Structure_Delineation	Road – Existing Structure Delineation	55
E_Structure_Text	Road – Existing Structure Text	55
E_Topog_Delineation	Road – Existing Misc. Topo Delineation	7
E_Topog_Text	Road – Existing Misc. Topo Text	7
E_Uilities_Delineation	Road – Existing Utility Topo Delineation	7
E_Uilities_Text	Road – Existing Utility Topo Text	7
E_WetLand_Delineation	Road – Existing Wetland Area Delineation	44
E_WetLand_Text	Road – Existing Wetland Text	46
E_Roadway_Features	Road – Existing Roadway Feature Delineation	7
E_Natural_Features	Road – Existing Natural Feature Delineation	7
P_Alignment_Traverse	Road – Proposed Alignment (TRAVERSE) Delineation	14
P_Alignment_Traverse_Text	Road – Proposed Alignment (TRAVERSE) Annotation	15
P_Alignment_Alternate1	Road – Proposed Alignment (ALTERNATE1) Delineation	14
P_Alignment_Alternate1_Text	Road – Proposed Alignment (ALTERNATE1) Annotation	15
P_Alignment_Alternate2	Road – Proposed Alignment (ALTERNATE2) Delineation	14

Level Name	Description	V7 Level
P_Alignment_Alternate2_Text	Road – Proposed Alignment (ALTERNATE2) Annotation	15
P_Alignment_Alternate3	Road – Proposed Alignment (ALTERNATE3) Delineation	14
P_Alignment_Alternate3_Text	Road – Proposed Alignment (ALTERNATE3) Annotation	15
P_Alignment_Approach	Road – Proposed Alignment (APPROACH) Delineation	14
P_Alignment_Approach_Text	Road – Proposed Alignment (APPROACH) Annotation	15
P_Alignment_Design	Road – Proposed Alignment (DESIGN) Delineation	3
P_Alignment_Design_Text	Road – Proposed Alignment (DESIGN) Annotation	4
P_Alignment_Detour	Road – Proposed Alignment (DETOUR) Delineation	5
P_Alignment_Detour_Text	Road – Proposed Alignment (DETOUR) Annotation	6
P_Alignment_FrontRD	Road – Proposed Alignment (FRONTRD) Delineation	14
P_Alignment_FrontRD_Text	Road – Proposed Alignment (FRONTRD) Annotation	15
P_Alignment_Ramp	Road – Proposed Alignment (RAMP) Delineation	14
P_Alignment_Ramp_Text	Road – Proposed Alignment (RAMP) Annotation	15
P_Approach_Delineation	Road – Proposed Road Approach Delineation	14
P_Approach_Notes_Text	Road – Proposed Road Approach Notes	15
P_Bridge_Delineation	Road – Proposed Bridge Delineation	11
P_Bridge_Text	Road – Proposed Bridge Text	11
P_Cattleguard_Delineation	Road – Proposed Cattleguard Delineation	11
P_Cattleguard_Text	Road – Proposed Cattleguard Text	11
P_Construction_Limits_Approach	Road – Proposed Construction Limits (APPROACH) Alignment	34
P_Construction_Limits_Design	Road – Proposed Construction Limits (DESIGN) Alignment	33
P_Construction_Limits_Detour	Road – Proposed Construction Limits (DETOUR) Alignment	34
P_Construction_Limits_FrontRd	Road – Proposed Construction Limits (FRONTRD) Alignment	34
P_Construction_Limits_Ramp	Road – Proposed Construction Limits (RAMP) Alignment	34
P_Contours_Major_Line	Road – Proposed Contours Major Lines	20
P_Contours_Major_Line_Labels	Road – Proposed Contours Major Line Labels	31
P_Contours_Minor_Line	Road – Proposed Contours Minor Lines	21
P_Contours_Minor_Line_Labels	Road – Proposed Contours Minor Line Labels	30
P_CurbGutter_Delineation	Road – Proposed Curb & Gutter Delineation	22
P_CurbGutter_Notes_Text	Road – Proposed Curb & Gutter Notes	22
P_Drainage_Delineation	Road – Proposed Drainage Delineation	11
P_Drainage_Notes_Text	Road – Proposed Drainage Text	10
P_Erosion_Control_Delineation	Road – Proposed Erosion Control Delineation	43
P_Fence_Delineation	Road – Proposed Fence Delineation	11
P_Fence_Notes_Text	Road – Proposed Fence Gates Text	11
P_Gate_Delineation	Road – Proposed Gate Delineation	11
P_Gate_Notes_Text	Road – Proposed Gate Text	11
P_Geopak_PatternLines_Approach	Road – Proposed Pattern Lines (APPROACH) Alignment	60
P_Geopak_SlopeLines	Road – Proposed Slope Lines (ALL) Alignments	60
P_Geopak_PatternLines_Design	Road – Proposed Pattern Lines (DESIGN) Alignment	60
P_Geopak_PatternLines_Detour	Road – Proposed Pattern Lines (DETOUR) Alignment	60
P_Geopak_PatternLines_FrontRD	Road – Proposed Pattern Lines (FRONTRD) Alignment	60
P_Geopak_PatternLines_Ramp	Road – Proposed Pattern Lines (RAMP) Alignment	60
P_Geopak_SheetClips	Road – Geopak Sheet Clip Borders	62
P_Geopak_SuperShapes_Approach	Road – Proposed Super Shapes (APPROACH) Alignment	63
P_Geopak_SuperShapes_Design	Road – Proposed Super Shapes (DESIGN) Alignment	63
P_Geopak_SuperShapes_Detour	Road – Proposed Super Shapes (DETOUR) Alignment	63
P_Geopak_SuperShapes_Frontage	Road – Proposed Super Shapes (FRONTRD) Alignment	63

Level Name	Description	V7 Level
P_Geopak_SuperShapes_Ramp	Road – Proposed Super Shapes (RAMP) Alignment	63
P_Grading_Delineation	Road – Proposed Grading Delineation	12
P_Grading_Notes_Text	Road – Proposed Grading Text	12
P_Guardrail_Delineation	Road – Proposed Guardrail Delineation	20
P_Guardrail_Notes_Text	Road – Proposed Guardrail Text	20
P_Mass	Road – Mass Diagram Delineation	1
P_Mass_GridLine	Road – Mass Diagram Grid Lines Delineation	1
P_Mass_Text	Road – Mass Diagram Text	1
P_PlanSheet_BegEndLeader	Road – Plan Sheet – Beg/End Leader	3
P_PlanSheet_BegEndNote	Road – Plan Sheet – Beg/End Note	3
P_PlanSheet_ProfileElevation_Text	Road – Plan Sheet – Profile Elevation – Text	53
P_PlanSheet_TableListings	Road – Plan Sheet – Table Listings	53
P_Profile_Staked	Road – Proposed Profile (STAKED) Delineation	52
P_Profile_Staked_Text	Road – Proposed Profile (STAKED) Annotation	53
P_Profile_Staked_HorzVert_Text	Road – Proposed Profile (STAKED) Horz/Vert Text	53
P_Profile_Approach	Road – Proposed Profile (APPROACH) Delineation	52
P_Profile_Approach_Text	Road – Proposed Profile (APPROACH) Annotation	53
P_Profile_Approach_HorzVert_Text	Road – Proposed Profile (APPROACH) Horz/Vert Text	53
P_Profile_Design	Road – Proposed Profile (DESIGN) Delineation	52
P_Profile_Design_Text	Road – Proposed Profile (DESIGN) Annotation	53
P_Profile_Design_HorzVert_Text	Road – Proposed Profile (DESIGN) Horz/Vert Text	53
P_Profile_Detour	Road – Proposed Profile (DETOUR) Delineation	52
P_Profile_Detour_Text	Road – Proposed Profile (DETOUR) Annotation	53
P_Profile_Detour_HorzVert_Text	Road – Proposed Profile (DETOUR) Horz/Vert Text	53
P_Profile_FrontRd	Road – Proposed Profile (FRONTRD) Delineation	52
P_Profile_FrontRd_Text	Road – Proposed Profile (FRONTRD) Annotation	53
P_Profile_FrontRd_HorzVert_Text	Road – Proposed Profile (FRONTRD) Horz/Vert Text	53
P_Profile_General_Notes_Text	Road – Proposed Profile General Notes	54
P_Profile_Ramp	Road – Proposed Profile (RAMP) Delineation	52
P_Profile_Ramp_Text	Road – Proposed Profile (RAMP) Annotation	53
P_Profile_Ramp_HorzVert_Text	Road – Proposed Profile (RAMP) Horz/Vert Text	53
P_Riprap_Delineation	Road – Proposed Riprap & Slope Protection Delineation	10
P_Riprap_Text	Road – Proposed Riprap & Slope Protection Text	10
P_ROW_Delineation	Road – Proposed Right of Way Delineation	32
P_ROW_Text	Road – Proposed Right of Way Text	32
P_Shoulder_Delineation	Road – Proposed Shoulder Delineation	21
P_Sidewalk_Delineation	Road – Proposed Sidewalk Delineation	21
P_Sidewalk_Notes_Text	Road – Proposed Sidewalk Text	21
P_Template_Approach_Alignment_Annotation_Displayed	Road – Proposed Template (APPROACH) Alignment Annotation Displayed	12
P_Template_Approach_Alignment_Annotation_Undisplayed	Road – Proposed Template (APPROACH) Alignment Annotation Undisplayed	13
P_Template_Approach_Alignment_BackSlopeRounding	Road – Proposed Template (APPROACH) Alignment Backslope Rounding Delineation	25
P_Template_Approach_Alignment_BackSlopeRounding_Text	Road – Proposed Template (APPROACH) Alignment Backslope Rounding Text	25
P_Template_Approach_Alignment_FinishedGrade	Road – Proposed Template (APPROACH) Alignment Finished Grade Delineation	13
P_Template_Approach_Alignment_Subgrade	Road – Proposed Template (APPROACH) Alignment Subgrade Delineation	12
P_Template_Approach_XS_Annotation_Displayed	Road – Proposed Template (APPROACH) Alignment Annotation Displayed	4–8
P_Template_Approach_XS_Annotation_Undisplayed	Road – Proposed Template (APPROACH) Alignment Annotation Undisplayed	61,62
P_Template_Approach_XS_FinishedGrade	Road – Proposed Template (APPROACH) Alignment Finished Grade Delineation	13
P_Template_Approach_XS_Subgrade	Road – Proposed Template (APPROACH) Alignment Subgrade Delineation	12
P_Template_Approach_XS_Grading_Delineation	Road – Proposed Template (APPROACH) XS Grading	12



Level Name	Description	V7 Level
	Delineation	
P_Template_Design_Alignment_Annotation_Displayed	Road – Proposed Template (DESIGN) Alignment Annotation Displayed	4–8
P_Template_Design_Alignment_Annotation_Undisplayed	Road – Proposed Template (DESIGN) Alignment Annotation Undisplayed	61,62
P_Template_Design_Alignment_BackSlopeRounding	Road – Proposed Template (DESIGN) Alignment Backslope Rounding Delineation	25
P_Template_Design_Alignment_BackSlopeRounding_Text	Road – Proposed Template (DESIGN) Alignment Backslope Rounding Text	25
P_Template_Design_Alignment_FinishedGrade	Road – Proposed Template (DESIGN) Alignment Finished Grade Delineation	9
P_Template_Design_Alignment_Subgrade	Road – Proposed Template (DESIGN) Alignment Subgrade Delineation	10
P_Template_Detour_Alignment_Annotation_Displayed	Road – Proposed Template (DETOUR) Alignment Annotation Displayed	4–8
P_Template_Detour_Alignment_Annotation_Undisplayed	Road – Proposed Template (DETOUR) Alignment Annotation Undisplayed	61,62
P_Template_Detour_Alignment_BackSlopeRounding	Road – Proposed Template (DETOUR) Alignment Backslope Rounding Delineation	25
P_Template_Detour_Alignment_BackSlopeRounding_Text	Road – Proposed Template (DETOUR) Alignment Backslope Rounding Text	25
P_Template_Detour_Alignment_FinishedGrade	Road – Proposed Template (DETOUR) Alignment Finished Grade Delineation	21
P_Template_Detour_Alignment_Subgrade	Road – Proposed Template (DETOUR) Alignment Subgrade Delineation	22
P_Template_FrontRD_Alignment_Annotation_Displayed	Road – Proposed Template (FRONTRD) Alignment Annotation Displayed	4–8
P_Template_FrontRD_Alignment_Annotation_Undisplayed	Road – Proposed Template (FRONTRD) Alignment Annotation Undisplayed	61,62
P_Template_FrontRD_Alignment_BackSlopeRounding	Road – Proposed Template (FRONTRD) Alignment Backslope Rounding Delineation	25
P_Template_FrontRD_Alignment_BackSlopeRounding_Text	Road – Proposed Template (FRONTRD) Alignment Backslope Rounding Text	25
P_Template_FrontRD_Alignment_FinishedGrade	Road – Proposed Template (FRONTRD) Alignment Finished Grade Delineation	21
P_Template_FrontRD_Alignment_Subgrade	Road – Proposed Template (FRONTRD) Alignment Subgrade Delineation	22
P_Template_Ramp_Alignment_Annotation_Displayed	Road – Proposed Template (RAMP) Alignment Annotation Displayed	4–8
P_Template_Ramp_Alignment_Annotation_Undisplayed	Road – Proposed Template (RAMP) Alignment Annotation Undisplayed	61,62
P_Template_Ramp_Alignment_BackSlopeRounding	Road – Proposed Template (RAMP) Alignment Backslope Rounding Delineation	25
P_Template_Ramp_Alignment_BackSlopeRounding_Text	Road – Proposed Template (RAMP) Alignment Backslope Rounding Text	25
P_Template_Ramp_Alignment_FinishedGrade	Road – Proposed Template (RAMP) Alignment Finished Grade Delineation	21
P_Template_Ramp_Alignment_Subgrade	Road – Proposed Template (RAMP) Alignment Subgrade Delineation	22
P_Template_Seeding_Area_One_Two	Road – Proposed Templates Seeding Area 1 & 2	59
P_Template_Seeding_Area_Three	Road – Proposed Templates Seeding Area 3	59
P_TitleSheet_Cells	Road – Title Sheet Cells	2
P_TitleSheet_Text	Road – Title Sheet Text	5
P_Uilities_Conflicts_Delineation	Road – Proposed Utility Conflict Delineation	41
P_Uilities_Conflicts_Text	Road – Proposed Utility Conflict Text	41
P_Uilities_Delineation	Road – Proposed Utilities Delineation	3
P_Uilities_Text	Road – Proposed Utilities Text	3
P_WetLand_Impact_Delineation	Road – Proposed Wetland Impact Delineation	48,49
P_WetLand_Mitigated_Delineation	Road – Proposed Wetland Mitigated Delineation	48,49
P_WetLand_Notes_Text	Road – Proposed Wetland Text	46
P_XSection_Layout_Text	Road – Proposed Xsect Layout Sheet Text	11

<b>Level Name</b>	<b>Description</b>	<b>V7 Level</b>
P_North_Arrow	Road – North Arrow	17
P_Profile_Grid	Road – Profile Grid	55
P_EarthWork_Shapes	Road – Earth work shapes	58
P_Fence_Remove	Road – Proposed Fence Remove	23
P_Cattleguard_Remove	Road – Proposed Cattleguard Remove	23
P_Drainage_Excavation	Road – Proposed XS Culvert Excavation	11
P_Grading_Ditch	Road – Proposed Grading Ditches Created From XS Templates	11
P_Structures_Remove	Road – Proposed Remove Structure	11
P_Alignment_Drainage	Road – Proposed Alignment (DRAINAGE) Delineation	11
P_Alignment_Drainage_Text	Road – Proposed Alignment (DRAINAGE) Annotation	11
P_Clearing_Grubbing_Delineation	Road – Proposed Clearing & Grubbing Delineation	10
P_Cold_Milling_Delineation	Road – Proposed Cold Milling Delineation	24
P_Manholes_Inlets_Delineation	Road – Proposed Manholes & Inlets Delineation	11
P_Manholes_Inlets_Notes_Text	Road – Proposed Manholes & Inlets Text	11
P_Retaining_Walls_Delineation	Road – Proposed Retaining Wall Delineation	11
P_Retaining_Walls_Notes_Text	Road – Proposed Retaining Wall Text	11
P_Remove_Rest_Items_Delineation	Road – Proposed Remove & Reset Items Delineation	23
P_Remove_Rest_Items_Notes_Text	Road – Proposed Remove & Reset Items Text	23
P_Misc_Items_Delineation	Road – Proposed Misc Items Delineation	23
P_Misc_Items_Notes_Text	Road – Proposed Misc Items Text	23
P_Water_Service_Lines	Road – Proposed Water Service Lines	11
P_Structures_Remove_Notes_Text	Road – Proposed Structures Remove Text	11
P_Water_Service_Lines_Notes_Text	Road – Proposed Water Service Lines Text	11
P_Concrete_Delineation	Road – Proposed Portland Cement Concrete	11
P_Concrete_Notes_Text	Road – Proposed Portland Cement Concrete Notes	11
P_Grading_Culvert_Exc_Delineation	Road – Proposed Culvert Excavation Delineation	11
P_Geosynthetics_Delineation	Road – Proposed Geosynthetics Delineation	11
P_Grading_Bedding_Delineation	Road – Proposed Bedding & Backfill Delineation	11
P_Summary_Frame Border Line	Road – Summary Frame Border Line	1
P_Summary_Frame Heavy Line	Road – Summary Frame Heavy Line	1
P_Summary_Frame Heading_text	Road – Summary Frame Heading Text	2
P_Summary_Frame Data Field_text	Road – Summary Frame Data Field Text	4
P_Summary_Frame Light Line	Road – Summary Frame Light Line	1
P_Summary_Frame Heading EngText	Road – Summary Frame Heading Eng Text	2
P_Summary_Frame Heading Met Text	Road – Summary Frame Heading Met Text	2
P_Summary_Frame Data Lines	Road – Summary Frame Data Lines	1

## 2.2.7 Survey Levels

Level Name	Description	V7 Level
C Misc_DTM_SurfaceStaked	Survey – Staked Surface – Line	
C Misc_DTM_SurfaceStakedPoint	Survey – Staked Surface – Point	
C Misc_DTM_SurfaceStakedText	Survey – Staked Surface – Text	
C Misc_Misc_CatchPoint	Survey – Catch Point – Point	
C Misc_Misc_CatchPointText	Survey – Catch Point – Text	
C Misc_Misc_Embankment	Survey – Volume/Embankment – Line	
C Misc_Misc_EmbankmentPoint	Survey – Volume/Embankment – Point	
C Misc_Misc_EmbankmentText	Survey – Volume/Embankment – Text	
C Misc_Misc_Excavation	Survey – Volume/Excavation – Line	
C Misc_Misc_ExcavationPoint	Survey – Volume/Excavation – Point	
C Misc_Misc_ExcavationText	Survey – Volume/Excavation – Text	
C Misc_Misc_GeometryMisc	Survey – Geometry Misc – Line	
C Misc_Misc_GeometryMiscPoint	Survey – Geometry Misc – Point	
C Misc_Misc_GeometryMiscText	Survey – Geometry Misc – Text	
C Misc_Misc_ReferencePoint	Survey – Reference Point – Point	
C Misc_Misc_ReferencePointText	Survey – Reference Point – Text	
C Misc_Misc_Scanline Misc	Survey – Geometry/Misc Scanlines – Line	
C Misc_Misc_Scanline MiscPoint	Survey – Geometry/Misc Scanlines – Point	
C Misc_Misc_Scanline MiscText	Survey – Geometry/Misc Scanlines – Text	
C Misc_Misc_Scanline XSection	Survey – Geometry/Misc Xsect Scanlines – Line	
C Misc_Misc_Scanline XSectionPoint	Survey – Geometry/Misc Xsect Scanlines – Point	
C Misc_Misc_Scanline XSectionText	Survey – Geometry/Misc Xsect Scanlines – Text	
C Misc_Misc_SubExcavation	Survey – Volume/Sub-Excavation – Line	
C Misc_Misc_SubExcavationPoint	Survey – Volume/Sub-Excavation – Point	
C Misc_Misc_SubExcavationText	Survey – Volume/Sub-Excavation – Text	
E Barrier_Fence_Cattleguard	Survey – Existing Cattleguard – Line	7
E Barrier_Fence_CattleguardPoint	Survey – Existing Cattleguard – Point	7
E Barrier_Fence_CattleguardText	Survey – Existing Cattleguard – Text	7
E Barrier_Fence_Fence	Survey – Existing Fence – Line	7
E Barrier_Fence_FencePoint	Survey – Existing Fence – Point	7
E Barrier_Fence_FenceText	Survey – Existing Fence – Text	7
E Barrier_Fence_Gate	Survey – Existing Gate – Line	7
E Barrier_Fence_GatePoint	Survey – Existing Gate – Point	7
E Barrier_Fence_GatePointText	Survey – Existing Gate – Text	7
E Barrier_Fence_SnowFence	Survey – Existing Snow Fence – Line	7
E Barrier_Fence_SnowFencePoint	Survey – Existing Snow Fence – Point	7
E Barrier_Fence_SnowFenceText	Survey – Existing Snow Fence – Text	7
E Barrier_Rail_Guardrail	Survey – Existing Guardrail – Line	7
E Barrier_Rail_GuardrailPoint	Survey – Existing Guardrail – Point	7
E Barrier_Rail_GuardrailText	Survey – Existing Guardrail – Text	7
E Barrier_Rail_JerseyRail	Survey – Existing Jersey Rail – Line	7
E Barrier_Rail_JerseyRailPoint	Survey – Existing Jersey Rail – Point	7
E Barrier_Rail_JerseyRailText	Survey – Existing Jersey Rail – Text	7
E Drainage_Culvert_CulvertInvert	Survey – Existing Culvert Invert – Line	39
E Drainage_Culvert_CulvertInvertPoint	Survey – Existing Culvert Invert – Point	39
E Drainage_Culvert_CulvertInvertText	Survey – Existing Culvert Invert – Text	39
E Drainage_Culvert_CulvertTop	Survey – Existing Culvert Top – Point	39
E Drainage_Culvert_CulvertTopText	Survey – Existing Culvert Top – Text	39
E Drainage_Irrigation_IrrigationFeature	Survey – Existing Irrigation Feature – Point	23
E Drainage_Irrigation_IrrigationFeatureText	Survey – Existing Irrigation Feature – Text	23
E Drainage_Misc_RiprapBoundary	Survey – Existing Riprap Boundary – Line	23
E Drainage_Misc_RiprapBoundaryPoint	Survey – Existing Riprap Boundary – Point	23
E Drainage_Misc_RiprapBoundaryText	Survey – Existing Riprap Boundary – Text	23
E Drainage_Water_Headgate	Survey – Existing Headgate – Line	23
E Drainage_Water_HeadgatePoint	Survey – Existing Headgate – Point	23

Level Name	Description	V7 Level
E_Drainage_Water_HeadgateText	Survey – Existing Headgate – Text	23
E_Drainage_Water_InletRound	Survey – Existing Inlet Round – Point	23
E_Drainage_Water_InletRoundText	Survey – Existing Inlet Round – Text	23
E_Drainage_Water_InletSquare	Survey – Existing Inlet Square – Point	23
E_Drainage_Water_InletSquareText	Survey – Existing Inlet Square – Text	23
E_GroundElevation_DTM_Text	Survey – Ground Elevation DTM - Text	
E_GroundElevation_NONDTM_Text	Survey – Ground Elevation nonDTM – Text	
E_Misc_DTM_Boundary	Survey – Existing DTM Boundary – Line	15
E_Misc_DTM_BoundaryPoint	Survey – Existing DTM Boundary – Point	15
E_Misc_DTM_BoundaryText	Survey – Existing DTM Boundary – Text	58
E_Misc_DTM_GradeBreak	Survey – Existing Grade Break – Line	21
E_Misc_DTM_GradeBreakPoint	Survey – Existing Grade Break – Point	21
E_Misc_DTM_GradeBreakText	Survey – Existing Grade Break – Text	58
E_Misc_DTM_GroundShot	Survey – Existing Ground Shot – Point	10
E_Misc_DTM_GroundShotText	Survey – Existing Ground Shot – Text	58
E_Misc_DTM_Island	Survey – Existing DTM Island – Line	24
E_Misc_DTM_IslandPoint	Survey – Existing DTM Island – Point	24
E_Misc_DTM_IslandText	Survey – Existing DTM Island – Text	58
E_Misc_DTM_MiscDTMLine	Survey – Existing DTM Misc Line – Line	24
E_Misc_DTM_MiscDTMLinePoint	Survey – Existing DTM Misc Line – Point	24
E_Misc_DTM_MiscDTMLineText	Survey – Existing DTM Misc Line – Text	58
E_Misc_DTM_MiscDTMPoint	Survey – Existing DTM Misc Point – Point	24
E_Misc_DTM_MiscDTMPointText	Survey – Existing DTM Misc Point – Text	58
E_Misc_DTM_Obscure	Survey – Existing DTM Obscure – Line	12
E_Misc_DTM_ObscurePoint	Survey – Existing DTM Obscure – Point	12
E_Misc_DTM_ObscureText	Survey – Existing DTM Obscure – Text	58
E_Misc_DTM_SurfaceExisting	Survey – Existing Surface – Line	24
E_Misc_DTM_SurfaceExistingPoint	Survey – Existing Surface – Point	24
E_Misc_DTM_SurfaceExistingText	Survey – Existing Surface – Text	58
E_Misc_Linework_Annotation	Survey – Annotation	
E_Misc_Linework_Border	Survey – Border	
E_Misc_Linework_BorderPoint	Survey – Border – Point	
E_Misc_Linework_BorderText	Survey – Border - Text	
E_Misc_Linework_ConvergenceAngle	Survey – Convergence Angle	
E_Misc_Linework_ConvergenceAngleText	Survey – Convergence Angle - Text	
E_Misc_Linework_Dimension	Survey – Dimension	
E_Misc_Linework_DimensionPoint	Survey – Dimension – Point	
E_Misc_Linework_DimensionText	Survey – Dimension - Text	
E_Misc_Linework_GeneralText	Survey – General Text	
E_Misc_Linework_GeneralText2	Survey – General Text 2	
E_Misc_Linework_Hatch	Survey – Hatching	
E_Misc_Linework_Logo	Survey – Logo	
E_Misc_Linework_NoPlot	Survey – No Plot Level – Line	
E_Misc_Linework_NoPlotPoint	Survey – No Plot – Point	
E_Misc_Linework_NoPlotText	Survey – No Plot - Text	
E_Misc_Linework_NorthArrow	Survey – North Arrow	
E_Misc_Linework_Point	Survey – Misc Point	
E_Misc_Linework_PointText	Survey – Misc Point - Text	
E_Misc_Linework_Radius	Survey – Radius – Line	
E_Misc_Linework_RadiusPoint	Survey – Radius – Point	
E_Misc_Linework_RadiusText	Survey – Radius – Text	
E_Misc_Linework_Scale	Survey – Scale	
E_Misc_Linework_Sheet	Survey – Sheet	
E_Misc_Linework_Stamp	Survey – Stamp	
E_Misc_Misc_CoreHole	Survey – Existing Core Hole – Point	
E_Misc_Misc_CoreHoleText	Survey – Existing Core Hole – Text	6
E_Misc_Misc_CrossSection	Survey – Existing Cross Section – Line	6
E_Misc_Misc_CrossSectionPoint	Survey – Existing Cross Section – Point	24
E_Misc_Misc_CrossSectionText	Survey – Existing Cross Section – Text	24

Level Name	Description	V7 Level
E Misc Misc DefaultLine	Survey – Existing Default Feature – Line	24
E Misc Misc DefaultPoint	Survey – Existing Default Feature – Point	24
E Misc Misc DefaultText	Survey – Existing Default Feature – Text	24
E Misc Misc Photo	Survey – Existing Photography Point – Line	24
E Misc Misc PhotoPoint	Survey – Existing Photography Point – Point	24
E Misc Misc PhotoText	Survey – Existing Photography Point – Text	24
E Misc Misc UndergroundHazardSite	Survey – Existing Underground Hazard Site – Line	24
E Misc Misc UndergroundHazardSitePoint	Survey – Existing Underground Hazard Site – Point	24
E Misc Misc UndergroundHazardSiteText	Survey – Existing Underground Hazard Site – Text	24
E Misc NonDTM MiscLine	Survey – Existing nonDTM Misc Line – Line	24
E Misc NonDTM MiscLinePoint	Survey – Existing nonDTM Misc Line – Point	24
E Misc NonDTM MiscLineText	Survey – Existing nonDTM Misc Line – Text	24
E Misc NonDTM MiscPoint	Survey – Existing nonDTM Misc Point – Point	24
E Misc NonDTM MiscPointText	Survey – Existing nonDTM Misc Point – Text	24
E Natural Land BottomofBank	Survey – Existing Bottom of Bank – Line	22
E Natural Land BottomofBankPoint	Survey – Existing Bottom of Bank – Point	22
E Natural Land BottomofBankText	Survey – Existing Bottom of Bank – Text	22
E Natural Land TopofBank	Survey – Existing Top of Bank – Line	22
E Natural Land TopofBankPoint	Survey – Existing Top of Bank – Point	22
E Natural Land TopofBankText	Survey – Existing Top of Bank – Text	22
E Natural Vegetation Shrub	Survey – Existing Shrub – Point	9
E Natural Vegetation ShrubText	Survey – Existing Shrub – Text	9
E Natural Vegetation Tree	Survey – Existing Tree – Point	9
E Natural Vegetation TreeLine	Survey – Existing Tree Line – Line	9
E Natural Vegetation TreeLinePoint	Survey – Existing Tree Line – Point	9
E Natural Vegetation TreeLineText	Survey – Existing Tree Line – Text	9
E Natural Vegetation TreeRow	Survey – Existing Tree Row – Line	9
E Natural Vegetation TreeRowPoint	Survey – Existing Tree Row – Point	9
E Natural Vegetation TreeRowText	Survey – Existing Tree Row – Text	9
E Natural Vegetation TreeText	Survey – Existing Tree – Text	9
E Natural Vegetation VegetationBoundary	Survey – Existing Vegetation Boundary	9
E Natural Vegetation VegetationBoundaryPoint	Survey – Existing Vegetation Boundary – Point	9
E Natural Vegetation VegetationBoundaryText	Survey – Existing Vegetation Boundary – Text	9
E Natural Water EdgeofWater	Survey – Existing Edge of Water – Line	22
E Natural Water EdgeofWaterPoint	Survey – Existing Edge of Water – Point	22
E Natural Water EdgeofWaterText	Survey – Existing Edge of Water – Text	22
E Natural Water FlowLineAgainstFlow	Survey – Existing Flow Line/Against Flow – Line	22
E Natural Water FlowLineAgainstFlowPoint	Survey – Existing Flow Line/Against Flow – Point	22
E Natural Water FlowLineAgainstFlowText	Survey – Existing Flow Line/Against Flow – Text	22
E Natural Water FlowLineWithFlow	Survey – Existing Flow Line/With Flow – Line	22
E Natural Water FlowLineWithFlowPoint	Survey – Existing Flow Line/With Flow – Point	22
E Natural Water FlowLineWithFlowText	Survey – Existing Flow Line/With Flow – Text	22
E Natural Water HighWaterMark	Survey – Existing High Water Mark – Point	23
E Natural Water HighWaterMarkText	Survey – Existing High Water Mark – Text	23
E Natural Water Thalweg	Survey – Existing Thalweg of Stream – Line	22
E Natural Water ThalwegPoint	Survey – Existing Thalweg of Stream – Point	22
E Natural Water ThalwegText	Survey – Existing Thalweg of Stream – Text	22
E Natural Water WaterEdge	Survey – Existing Edge Water – Line	22
E Natural Water WaterEdgePoint	Survey – Existing Edge Water – Point	22
E Natural Water WaterEdgeText	Survey – Existing Edge Water – Text	22
E Natural Water WetlandBoundary	Survey – Existing Wetland Boundary – Line	44
E Natural Water WetlandBoundaryPoint	Survey – Existing Wetland Boundary – Point	44
E Natural Water WetlandBoundaryText	Survey – Existing Wetland Boundary – Text	44
E Road RR Misc Approach	Survey – Existing Approach – Point	7
E Road RR Misc ApproachText	Survey – Existing Approach – Text	7
E Road RR Misc Bollard	Survey – Existing Bollard – Point	
E Road RR Misc BollardText	Survey – Existing Bollard – Text	
E Road RR Misc ParkingMeter	Survey – Existing Parking Meter – Point	
E Road RR Misc ParkingMeterText	Survey – Existing Parking Meter – Text	

Level Name	Description	V7 Level
E_Road_RR_Misc_PavementMarkings	Survey – Existing Pavement Markings – Line	3
E_Road_RR_Misc_PavementMarkingsPoint	Survey – Existing Pavement Markings – Point	3
E_Road_RR_Misc_PavementMarkingsText	Survey – Existing Pavement Markings – Text	3
E_Road_RR_Road_BituminousCurb	Survey – Existing Bituminous Curb – Line	
E_Road_RR_Road_BituminousCurbPoint	Survey – Existing Bituminous Curb – Point	
E_Road_RR_Road_BituminousCurbText	Survey – Existing Bituminous Curb – Text	
E_Road_RR_Road_BottomDitch	Survey – Existing Bottom of Ditch – Line	
E_Road_RR_Road_BottomDitchPoint	Survey – Existing Bottom of Ditch – Point	
E_Road_RR_Road_BottomDitchText	Survey – Existing Bottom of Ditch – Text	
E_Road_RR_Road_BottomofSlope	Survey – Existing Bottom of Slope – Line	
E_Road_RR_Road_BottomofSlopePoint	Survey – Existing Bottom of Slope – Point	
E_Road_RR_Road_BottomofSlopeText	Survey – Existing Bottom of Slope – Text	
E_Road_RR_Road_Concrete	Survey – Existing Concrete – Line	
E_Road_RR_Road_ConcretePoint	Survey – Existing Concrete – Point	
E_Road_RR_Road_ConcreteText	Survey – Existing Concrete – Text	
E_Road_RR_Road_Ditch	Survey – Existing Bottom of Ditch – Line	
E_Road_RR_Road_DitchPoint	Survey – Existing Bottom of Ditch – Point	
E_Road_RR_Road_DitchText	Survey – Existing Bottom of Ditch - Text	
E_Road_RR_Road_EdgeofRoadGravel	Survey – Existing Edge of Road/Gravel – Line	
E_Road_RR_Road_EdgeofRoadGravelPoint	Survey – Existing Edge of Road/Gravel – Point	
E_Road_RR_Road_EdgeofRoadGravelText	Survey – Existing Edge of Road/Gravel – Text	
E_Road_RR_Road_EdgeofRoadPavement	Survey – Existing Edge of Road/Pavement – Line	
E_Road_RR_Road_EdgeofRoadPavementPoint	Survey – Existing Edge of Road/Pavement – Point	
E_Road_RR_Road_EdgeofRoadPavementText	Survey – Existing Edge of Road/Pavement – Text	
E_Road_RR_Road_EdgeofRoadTrail	Survey – Existing Edge of Road/Trail – Line	
E_Road_RR_Road_EdgeofRoadTrailPoint	Survey – Existing Edge of Road/Trail – Point	
E_Road_RR_Road_EdgeofRoadTrailText	Survey – Existing Edge of Road/Trail – Text	
E_Road_RR_Road_Mailbox	Survey – Existing Mailbox – Point	
E_Road_RR_Road_MailboxText	Survey – Existing Mailbox – Text	
E_Road_RR_Road_PTW	Survey – Existing PTW Crown – Line	
E_Road_RR_Road_PTWPoint	Survey – Existing PTW Crown – Point	
E_Road_RR_Road_PTWText	Survey – Existing PTW Crown – Text	
E_Road_RR_Road_Shoulder	Survey – Existing Shoulder – Line	
E_Road_RR_Road_ShoulderPoint	Survey – Existing Shoulder – Point	
E_Road_RR_Road_ShoulderText	Survey – Existing Shoulder – Text	
E_Road_RR_Road_TopBackofCurb	Survey – Existing Top Back of Curb – Line	
E_Road_RR_Road_TopBackofCurbPoint	Survey – Existing Top Back of Curb – Point	
E_Road_RR_Road_TopBackofCurbText	Survey – Existing Top Back of Curb – Text	
E_Road_RR_Road_TopofSlope	Survey – Existing Top of Slope – Line	
E_Road_RR_Road_TopofSlopePoint	Survey – Existing Top of Slope – Point	
E_Road_RR_Road_TopofSlopeText	Survey – Existing Top of Slope – Text	
E_Road_RR_RR_RRCenterline	Survey – Existing RR Centerline – Line	7
E_Road_RR_RR_RRCenterlinePoint	Survey – Existing RR Centerline – Point	7
E_Road_RR_RR_RRCenterlineText	Survey – Existing RR Centerline – Text	7
E_Road_RR_RR_RRCrossingLight	Survey – Existing RR Crossing Light – Point	7
E_Road_RR_RR_RRCrossingLightText	Survey – Existing RR Crossing Light – Text	7
E_Road_RR_RR_RRSwitch	Survey – Existing RR Switch – Point	7
E_Road_RR_RR_RRSwitchText	Survey – Existing RR Switch – Text	7
E_Road_RR_Signs_Sign2Face	Survey – Existing Sign/2Face – Point	3
E_Road_RR_Signs_Sign2FaceText	Survey – Existing Sign/2Face – Text	3
E_Road_RR_Signs_SignChevron	Survey – Existing Sign/Chevron – Point	3
E_Road_RR_Signs_SignChevronText	Survey – Existing Sign/Chevron – Text	3
E_Road_RR_Signs_SignMilePost	Survey – Existing Sign/Milepost – Point	3
E_Road_RR_Signs_SignMilePostText	Survey – Existing Sign/Milepost – Text	3
E_Road_RR_Signs_SignMultiPost	Survey – Existing Sign/Multi Post – Line	3
E_Road_RR_Signs_SignMultiPostPoint	Survey – Existing Sign/Multi Post – Point	3
E_Road_RR_Signs_SignMultiPostText	Survey – Existing Sign/Multi Post – Text	3
E_Road_RR_Signs_SignSinglePost	Survey – Existing Sign/Single Post – Line	3
E_Road_RR_Signs_SignSinglePostPoint	Survey – Existing Sign/Single Post – Point	3

Level Name	Description	V7 Level
E_Road_RR_Signs_SignSinglePostText	Survey – Existing Sign/Single Post – Text	3
E_Road_RR_Signs_SignStreetID	Survey – Existing Sign/Street ID – Point	
E_Road_RR_Signs_SignStreetIDText	Survey – Existing Sign/Street ID – Text	
E_Structure_Barrier_AbutmentRetainingWall	Survey – Existing Abutment/Retaining Wall – Line	7
E_Structure_Barrier_AbutmentRetainingWallPoint	Survey – Existing Abutment/Retaining Wall – Point	7
E_Structure_Barrier_AbutmentRetainingWallText	Survey – Existing Abutment/Retaining Wall – Text	7
E_Structure_Barrier_Wall	Survey – Existing Wall/Free Standing – Line	7
E_Structure_Barrier_WallPoint	Survey – Existing Wall/Free Standing – Point	7
E_Structure_Barrier_WallText	Survey – Existing Wall/Free Standing – Text	7
E_Structure_Misc_Bridge	Survey – Existing Bridge – Line	7
E_Structure_Misc_BridgeBoundary	Survey – Existing Bridge Boundary – Line	7
E_Structure_Misc_BridgeBoundaryPoint	Survey – Existing Bridge Boundary – Point	7
E_Structure_Misc_BridgeBoundaryText	Survey – Existing Bridge Boundary – Text	7
E_Structure_Misc_BridgePoint	Survey – Existing Bridge – Point	7
E_Structure_Misc_BridgeText	Survey – Existing Bridge – Text	7
E_Structure_Misc_Building	Survey – Existing Building Boundary – Line	7
E_Structure_Misc_BuildingPoint	Survey – Existing Building Boundary – Point	7
E_Structure_Misc_BuildingText	Survey – Existing Building Boundary – Text	7
E_Structure_Tank_Tank	Survey – Existing Tank – Point	7
E_Structure_Tank_TankShape	Survey – Existing Tank Shape – Line	7
E_Structure_Tank_TankShapePoint	Survey – Existing Tank Shape – Point	7
E_Structure_Tank_TankShapeText	Survey – Existing Tank Shape – Text	7
E_Structure_Tank_TankText	Survey – Existing Tank – Text	7
E_Survey_Control_Benchmark	Survey – Existing Benchmark – Point	40
E_Survey_Control_BenchMarkCalculated	Survey – Bench Mark – Calculated	40
E_Survey_Control_BenchMarkCalculatedText	Survey – Bench Mark – Calculated Text	40
E_Survey_Control_BenchMarkDestroyed	Survey – Bench Mark – Destroyed	40
E_Survey_Control_BenchMarkDestroyedText	Survey – Bench Mark – Destroyed Text	40
E_Survey_Control_BenchMarkFound	Survey – Bench Mark – Found	40
E_Survey_Control_BenchMarkFoundText	Survey – Bench Mark – Found Text	40
E_Survey_Control_BenchMarkSet	Survey – Bench Mark – Set	40
E_Survey_Control_BenchMarkSetText	Survey – Bench Mark – Set Text	40
E_Survey_Control_BenchmarkText	Survey – Existing Benchmark – Text	40
E_Survey_Control_MonumentCalculated	Survey – Monument – Calculated	40
E_Survey_Control_MonumentCalculatedText	Survey – Monument – Calculated Text	40
E_Survey_Control_MonumentDestroyed	Survey – Monument – Destroyed	40
E_Survey_Control_MonumentDestroyedText	Survey – Monument – Destroyed Text	40
E_Survey_Control_MonumentFound	Survey – Monument – Found	40
E_Survey_Control_MonumentFoundText	Survey – Monument – Found Text	40
E_Survey_Control_MonumentSet	Survey – Monument – Set	40
E_Survey_Control_MonumentSetText	Survey – Monument – Set Text	40
E_Survey_Control_SectionCornerCalculated	Survey – Section Corner – Calculated	40
E_Survey_Control_SectionCornerCalculatedText	Survey – Section Corner – Calculated Text	40
E_Survey_Control_SectionCornerDestroyed	Survey – Section Corner – Destroyed	40
E_Survey_Control_SectionCornerDestroyedText	Survey – Section Corner – Destroyed Text	40
E_Survey_Control_SectionCornerFound	Survey – Section Corner – Found	40
E_Survey_Control_SectionCornerFoundText	Survey – Section Corner – Found Text	40
E_Survey_Control_SectionCornerSet	Survey – Section Corner – Set	4
E_Survey_Control_SectionCornerSetText	Survey – Section Corner – Set Text	40
E_Survey_Control_SurveyMonument	Survey – Existing Survey Monument/Misc – Point	40
E_Survey_Control_SurveyMonumentText	Survey – Existing Survey Monument/Misc – Text	40
E_Survey_Control_TopograpyReferencePointCalculated	Survey – Topography Reference Point – Calculated	40
E_Survey_Control_TopograpyReferencePointCalculatedText	Survey – Topography Reference Point – Calculated Text	40
E_Survey_Control_TopograpyReferencePointFound	Survey – Topography Reference Point – Found	40
E_Survey_Control_TopograpyReferencePointFoundText	Survey – Topography Reference Point – Found Text	40
E_Survey_Control_TraverseMark	Survey – Existing Traverse Mark – Point	40

Level Name	Description	V7 Level
E_Survey_Control_TraverseMarkText	Survey – Existing Traverse Mark – Text	40
E_Survey_Linework_Boundary	Survey – Existing COS Boundary – Line	
E_Survey_Linework_BoundaryPoint	Survey – Existing COS Boundary - Point	
E_Survey_Linework_BoundaryText	Survey – Existing COS Boundary – Text	
E_Survey_Linework_Centerline	Survey – Existing Centerline – Line	
E_Survey_Linework_CenterlinePoint	Survey – Existing Centerline – Point	
E_Survey_Linework_CeterlineText	Survey – Existing Centerline - Text	
E_Survey_Linework_Easement	Survey – Existing Easement – Line	
E_Survey_Linework_EasementCL	Survey – Existing CL Easement – Line	
E_Survey_Linework_EasementCLPoint	Survey –	
E_Survey_Linework_EasementCLText	Survey –	
E_Survey_Linework_EasementPoint	Survey –	
E_Survey_Linework_EasementText	Survey –	
E_Survey_Linework_Existing	Survey – Existing – Line	
E_Survey_Linework_ExistingPoint	Survey –	
E_Survey_Linework_ExistingText	Survey –	
E_Survey_Linework_Monument	Survey – Existing Monument	
E_Survey_Linework_MonumentText	Survey –	
E_Survey_Linework_Parcel	Survey – Existing Parcel – Line	
E_Survey_Linework_ParcelPoint	Survey –	
E_Survey_Linework_ParcelText	Survey –	
E_Survey_Linework_SectionLine	Survey – Existing Section Line – Line	
E_Survey_Linework_SectionLinePoint	Survey –	
E_Survey_Linework_SectionLineText	Survey –	
E_Survey_Linework_Tie	Survey – Existing Tie – Line	
E_Survey_Linework_TiePoint	Survey –	
E_Survey_Linework_TieText	Survey –	
E_Survey_Linework_TownshipLine	Survey – Existing Township – Line	
E_Survey_Linework_TownshipLinePoint	Survey –	
E_Survey_Linework_TownshipLineText	Survey –	
E_Survey_Linework_Traverse	Survey – Existing Traverse – Line	
E_Survey_Linework_TraversePoint	Survey –	
E_Survey_Linework_TraverseText	Survey –	
E_Survey_Linework_Working	Survey – Working Level – Line	41
E_Survey_Linework_WorkingPoint	Survey –	41
E_Survey_Linework_WorkingText	Survey –	41
E_Survey_Misc_ProjectMarker	Survey – Existing Project Marker – Point	41
E_Survey_Misc_ProjectMarkerText	Survey – Existing Project Marker – Text	41
E_Survey_Misc_StationMarker	Survey – Existing Station Marker – Point	41
E_Survey_Misc_StationMarkerText	Survey – Existing Station Marker – Text	41
E_Survey_RW_RWLine	Survey – Existing R/W – Line	41
E_Survey_RW_RWLinePoint	Survey –	41
E_Survey_RW_RWLineText	Survey –	41
E_Survey_RW_RWMonumentAluminum	Survey – Existing R/W Monument/Aluminum – Point	41
E_Survey_RW_RWMonumentAluminumText	Survey – Existing R/W Monument/Aluminum – Text	41
E_Survey_RW_RWMonumentConcrete	Survey – Existing R/W Monument/Concrete – Point	41
E_Survey_RW_RWMonumentConcreteText	Survey – Existing R/W Monument/Concrete – Text	41
E_Survey_RW_RWPinMetal	Survey – Existing R/W Pin/Metal – Point	41
E_Survey_RW_RWPinMetalText	Survey – Existing R/W Pin/Metal – Text	41
E_Survey_RW_RWReferencePinMetal	Survey – Existing R/W Reference Pin/Metal – Point	41
E_Survey_RW_RWReferencePinMetalText	Survey – Existing R/W Reference Pin/Metal – Text	41
E_Survey_RW_RWRetraced	Survey – Existing Retraced R/W – Line	
E_Survey_RW_RWRetracedPoint	Survey –	
E_Survey_RW_RWRetracedText	Survey –	
E_Utility_Communication_CableTVOverhead	Survey – Existing Cable TV/Overhead – Line	34
E_Utility_Communication_CableTVOverheadPoint	Survey – Existing Cable TV/Overhead – Point	34
E_Utility_Communication_CableTVOverheadText	Survey – Existing Cable TV/Overhead – Text	34
E_Utility_Communication_CableTVUnderground	Survey – Existing Cable TV/Underground – Line	34
E_Utility_Communication_CableTVUndergroundPoint	Survey – Existing Cable TV/Underground – Point	34



Level Name	Description	V7 Level
E_Utility_Communication_CableTVUndergroundText	Survey – Existing Cable TV/Underground – Text	35
E_Utility_Communication_FiberOpticCableOverhead	Survey – Existing Fiber–Optic Cable/Overhead – Line	35
E_Utility_Communication_FiberOpticCableOverheadPoint	Survey – Existing Fiber–Optic Cable/Overhead – Point	35
E_Utility_Communication_FiberOpticCableOverheadText	Survey – Existing Fiber–Optic Cable/Overhead – Text	35
E_Utility_Communication_FiberOpticCableUnderground	Survey – Existing Fiber–Optic Cable/Underground – Line	35
E_Utility_Communication_FiberOpticCableUndergroundPoint	Survey – Existing Fiber–Optic Cable/Underground – Point	35
E_Utility_Communication_FiberOpticCableUndergroundText	Survey – Existing Fiber–Optic Cable/Underground – Text	35
E_Utility_Communication_TelegraphPole	Survey – Existing Telegraph Pole – Point	35
E_Utility_Communication_TelegraphPoleText	Survey – Existing Telegraph Pole – Text	35
E_Utility_Communication_TelephoneBooth	Survey – Existing Telephone Booth – Point	35
E_Utility_Communication_TelephoneBoothText	Survey – Existing Telephone Booth – Text	35
E_Utility_Communication_TelephoneOverhead	Survey – Existing Telephone Line/Overhead – Line	35
E_Utility_Communication_TelephoneOverheadPoint	Survey – Existing Telephone Line/Overhead – Point	35
E_Utility_Communication_TelephoneOverheadText	Survey – Existing Telephone Line/Overhead – Text	35
E_Utility_Communication_TelephonePedestal	Survey – Existing Telephone Pedestal – Point	35
E_Utility_Communication_TelephonePedestalText	Survey – Existing Telephone Pedestal – Text	35
E_Utility_Communication_TelephonePole	Survey – Existing Telephone Pole – Point	35
E_Utility_Communication_TelephonePoleText	Survey – Existing Telephone Pole – Text	35
E_Utility_Communication_TelephoneUnderground	Survey – Existing Telephone Line/Underground – Line	35
E_Utility_Communication_TelephoneUndergroundPoint	Survey – Existing Telephone Line/Underground – Point	35
E_Utility_Communication_TelephoneUndergroundText	Survey – Existing Telephone Line/Underground – Text	35
E_Utility_Drainage_SanitarySewer	Survey – Existing Sanitary Sewer Line – Line	33
E_Utility_Drainage_SanitarySewerPoint	Survey – Existing Sanitary Sewer Line – Point	33
E_Utility_Drainage_SanitarySewerText	Survey – Existing Sanitary Sewer Line – Text	33
E_Utility_Drainage_StormDrain	Survey – Existing Storm Drain Line – Line	33
E_Utility_Drainage_StormDrainPoint	Survey – Existing Storm Drain Line – Point	33
E_Utility_Drainage_StormDrainText	Survey – Existing Storm Drain Line – Text	33
E_Utility_Gas_GasMeter	Survey – Existing Gas Meter – Point	31
E_Utility_Gas_GasMeterText	Survey – Existing Gas Meter – Text	31
E_Utility_Gas_GasUnderground	Survey – Existing Gas/Underground – Line	31
E_Utility_Gas_GasUndergroundPoint	Survey – Existing Gas/Underground – Point	31
E_Utility_Gas_GasUndergroundText	Survey – Existing Gas/Underground – Text	31
E_Utility_Gas_GasValve	Survey – Existing Gas Valve – Point	31
E_Utility_Gas_GasValveText	Survey – Existing Gas Valve – Text	31
E_Utility_Manhole_ManholeElectric	Survey – Existing Manhole/Electric – Point	30
E_Utility_Manhole_ManholeElectricText	Survey – Existing Manhole/Electric – Text	30
E_Utility_Manhole_ManholeMisc	Survey – Existing Manhole/Misc – Point	36
E_Utility_Manhole_ManholeMiscText	Survey – Existing Manhole/Misc – Text	36
E_Utility_Manhole_ManholeSanitarySewer	Survey – Existing Manhole/Sanitary Sewer – Point	36
E_Utility_Manhole_ManholeSanitarySewerText	Survey – Existing Manhole/Sanitary Sewer – Text	36
E_Utility_Manhole_ManholeStormDrain	Survey – Existing Manhole/Storm Drain – Point	36
E_Utility_Manhole_ManholeStormDrainText	Survey – Existing Manhole/Storm Drain – Text	36
E_Utility_Manhole_ManholeTelephone	Survey – Existing Manhole/Telephone – Point	35
E_Utility_Manhole_ManholeTelephoneText	Survey – Existing Manhole/Telephone – Text	35
E_Utility_Misc_GuyPole	Survey – Existing Guy Pole – Point	
E_Utility_Misc_GuyPoleText	Survey – Existing Guy Pole – Text	
E_Utility_Misc_GuyWireAnchor	Survey – Existing Guy Wire Anchor – Line	
E_Utility_Misc_GuyWireAnchorPoint	Survey – Existing Guy Wire Anchor – Point	
E_Utility_Misc_GuyWireAnchorText	Survey – Existing Guy Wire Anchor – Text	
E_Utility_Misc_MissileCable	Survey – Existing Missile Cable – Line	35
E_Utility_Misc_MissileCablePoint	Survey – Existing Missile Cable – Point	35
E_Utility_Misc_MissileCableText	Survey – Existing Missile Cable – Text	35
E_Utility_Misc_PedestalBase	Survey – Existing Utility Pedestal Base	30

Level Name	Description	V7 Level
E_Utility_Misc_PedestalBasePoint	Survey – Existing Utility Pedestal Base – Point	30
E_Utility_Misc_PedestalBaseText	Survey – Existing Utility Pedestal Base – Text	30
E_Utility_Misc_Pole	Survey – Existing Pole – Point	
E_Utility_Misc_PoleText	Survey – Existing Pole – Text	
E_Utility_Misc_Tower	Survey – Existing Tower – Point	30
E_Utility_Misc_TowerText	Survey – Existing Tower – Text	30
E_Utility_Misc_UtilityXingOverhead	Survey – Existing Utility Xing/Overhead – Point	30
E_Utility_Misc_UtilityXingOverheadText	Survey – Existing Utility Xing/Overhead – Text	30
E_Utility_Misc_UtilityXingUnderground	Survey – Existing Utility Xing/Underground – Point	30
E_Utility_Misc_UtilityXingUndergroundText	Survey – Existing Utility Xing/Underground – Text	30
E_Utility_Misc_ValveMisc	Survey – Existing Valve/Misc – Point	
E_Utility_Misc_ValveMiscText	Survey – Existing Valve/Misc – Text	
E_Utility_Power_LightPole	Survey – Existing Light Pole – Point	30
E_Utility_Power_LightPoleText	Survey – Existing Light Pole – Text	30
E_Utility_Power_PowerOverhead	Survey – Existing Power Line/Overhead – Line	30
E_Utility_Power_PowerOverheadPoint	Survey – Existing Power Line/Overhead – Point	30
E_Utility_Power_PowerOverheadText	Survey – Existing Power Line/Overhead – Text	30
E_Utility_Power_PowerPedestal	Survey – Existing Power Pedestal – Point	30
E_Utility_Power_PowerPedestalText	Survey – Existing Power Pedestal – Text	30
E_Utility_Power_PowerPole	Survey – Existing Power Pole – Point	30
E_Utility_Power_PowerPoleText	Survey – Existing Power Pole – Text	30
E_Utility_Power_PowerUnderground	Survey – Existing Power Line/Underground – Line	30
E_Utility_Power_PowerUndergroundPoint	Survey – Existing Power Line/Underground – Point	30
E_Utility_Power_PowerUndergroundText	Survey – Existing Power Line/Underground – Text	30
E_Utility_Power_ServicePullBox	Survey – Existing Electrical Access – Point	30
E_Utility_Power_ServicePullBoxText	Survey – Existing Electrical Access – Text	30
E_Utility_Power_TransmissionTowerText	Survey – Existing Transmission Tower – Text	30
E_Utility_Power_TransmissionTower	Survey – Existing Transmission Tower – Point	30
E_Utility_Traffic_PedestrianXing	Survey – Existing Pedestrian Crossing – Point	30
E_Utility_Traffic_PedestrianXingText	Survey – Existing Pedestrian Crossing – Text	30
E_Utility_Traffic_TrafficSignal	Survey – Existing Traffic Signal – Point	30
E_Utility_Traffic_TrafficSignalControl	Survey – Existing Traffic Signal Control – Point	30
E_Utility_Traffic_TrafficSignalControlText	Survey – Existing Traffic Signal Control – Text	30
E_Utility_Traffic_TrafficSignalText	Survey – Existing Traffic Signal – Text	30
E_Utility_Water_FireHydrant	Survey – Existing Fire Hydrant – Point	36
E_Utility_Water_FireHydrantText	Survey – Existing Fire Hydrant – Text	36
E_Utility_Water_WaterHydrant	Survey – Existing Water Hydrant – Point	36
E_Utility_Water_WaterHydrantText	Survey – Existing Water Hydrant – Text	36
E_Utility_Water_WaterMeter	Survey – Existing Water Meter – Point	36
E_Utility_Water_WaterMeterText	Survey – Existing Water Meter – Text	36
E_Utility_Water_WaterUnderground	Survey – Existing Water Line/Underground – Line	36
E_Utility_Water_WaterUndergroundPoint	Survey – Existing Water Line/Underground – Point	36
E_Utility_Water_WaterUndergroundText	Survey – Existing Water Line/Underground – Text	36
E_Utility_Water_WaterValve	Survey – Existing Water Valve – Point	36
E_Utility_Water_WaterValveText	Survey – Existing Water Valve – Text	36
E_Utility_Water_Well	Survey – Existing Well – Point	36
E_Utility_Water_WellText	Survey – Existing Well – Text	36
P_Misc_DTM_SurfaceFinalDesign	Survey – Proposed Surface/Final Design – Line	24
P_Misc_DTM_SurfaceFinalDesignPoint	Survey – Proposed Surface/Final Design – Point	24
P_Misc_DTM_SurfaceFinalDesignText	Survey – Proposed Surface/Final Design – Text	24
P_Survey_RW_RWBaseline	Survey – R/W Baseline – Line	41
P_Survey_RW_RWBaselinePoint	Survey – R/W Baseline – Point	41
P_Survey_RW_RWBaselineText	Survey – R/W Baseline – Text	41
P_Survey_RW_RWBreakPoint	Survey – R/W Break Point – Point	41
P_Survey_RW_RWBreakPointText	Survey – R/W Break Point – Text	41

## 2.2.8 Traffic Electric Levels

Level Name	Description	V7 Level
E_Alignment_Centerline	Electric – Centerline	2
E_Alignment_Edge_of_Pavement	Electric – Edge of Pavement	1
E_Alignment_ROW	Electric – Right of Way	3
E_Conduit	Electric – Existing Conduit	7
E_Electrical	Electric – Existing Electrical	6
E_Misc_A	Electric – Misc. Electrical Design	20
E_Misc_B	Electric – Misc. Electrical Design	20
E_Misc_C	Electric – Misc. Electrical Design	20
E_Misc_D	Electric – Misc. Electrical Design	20
E_Misc_E	Electric – Misc. Electrical Design	20
E_Misc_S	Electric – Misc. Electrical Design	20
E_Sign_Signs	Electric – Existing Signs	17
E_Uilities_General	Electric – Existing Utilities	4
P_Conduit	Electric – Proposed Conduit	9
P_Detail_Drawings	Electric – Detail Drawings	5
P_Detail_Drawings_Ped_Letters	Electrical – Detail Drawings–Ped Head Letters in T1 Sig Details–T1SS	
P_Detail_Drawings_Ped_Symbols	Electrical – Detail Drawings–Ped Head Symbols in T1 Sig Detail–T1SS	
P_Detail_Drawings_PullBox_Pad	Electrical – Detail Drawings–Pull Box Encasement Pad in Loop Details–LDX	
P_Detail_Drawings_Service_Single_Gang	Electrical – Detail Drawings–Single Gang Metered Service	
P_Detail_Drawings_Service_Dual_Gang	Electrical – Detail Drawings–Dual Gang Metered Service	
P_Elec_Annotation_1_Text	Electric – Electrical Annotation	10
P_Elec_Annotation_2_Text	Electric – Electrical Annotation	10
P_Elec_Annotation_3_Text	Electric – Electrical Annotation	10
P_Elec_Annotation_Frames	Electric – Electrical Annotation–Pole Schedule	10
P_Electrical	Electric – Proposed Electrical	8
P_Misc_A	Electric – Misc. Electrical Design	20
P_Misc_B	Electric – Misc. Electrical Design	20
P_Misc_C	Electric – Misc. Electrical Design	20
P_Misc_D	Electric – Misc. Electrical Design	20
P_Misc_E	Electric – Misc. Electrical Design	20
P_Misc_S	Electric – Misc. Electrical Design	20
P_Sign_PavementMarkings	Electric – Pavement Markings	15

## 2.2.9 Traffic Geometrics Levels

Level Name	Description	V7 Level
P_Alignment_VolDiag_BranchCenterline	Geometric – Branch Centerline Volume Diagram	24
P_Alignment_VolDiag_MainCenterline	Geometric – Main Centerline Volume Diagram	24
P_Annotation_VolDiag_Text	Geometric – Traffic Engineering Annotation – Volume Diagram	24
P_Dimensions_RoadWidth	Geometric – Geometric Dimensions – Roadway Widths	24
P_Dimensions_RoadWidth_Text	Geometric – Geometric Dimensions – Roadway Widths	24
P_Dimensions_TaperRate_Text	Geometric – Geometric Dimensions – Taper Rates	24
P_Geometric_Annotation_Callouts_Text	Geometric – Geometric Annotation – Callouts	24
P_Geometric_Annotation_Frames_Text	Geometric – Geometric Annotation – Frames	24
P_Geometric_Annotation_Leaders	Geometric – Geometric Annotation – Text Leaders	24
P_Geometric_Annotation_Leaders_Text	Geometric – Geometric Annotation – Vertical Text	24
P_Geometric_Annotation_RadInfo_Text	Geometric – Geometric Annotation – Radius Info	24
P_Traffic_AppNew	Geometric – Traffic Placed Approaches – New	13
P_Traffic_AppNotes_Text	Geometric – Traffic Placed Approach Notes – New	12
P_Traffic_C&G	Geometric – Traffic Placed Curb & Gutter – New	22
P_Traffic_EdgePav	Geometric – Traffic Placed Edge of Pavement – New	
P_Traffic_GeoAltDes1	Geometric – Alternate Geometric Design	
P_Traffic_GeoAltDes2	Geometric – Alternate Geometric Design	
P_Traffic_GeoAltDes3	Geometric – Alternate Geometric Design	
P_Traffic_GeoAltDes4	Geometric – Alternate Geometric Design	
P_Traffic_GeoAltDes5	Geometric – Alternate Geometric Design	
P_Traffic_GeoCaddLogo	Geometric – Geometric Cadd Logo	
P_Traffic_GeoCaddLogo_Text	Geometric – Geometric Cadd Logo Text	
P_Traffic_GeoDecDes1	Geometric – Descartes Geometric Design	
P_Traffic_GeoDecDes2	Geometric – Descartes Geometric Design	
P_Traffic_GeoDecDes3	Geometric – Descartes Geometric Design	
P_Traffic_GeoDecDes4	Geometric – Descartes Geometric Design	
P_Traffic_GeoDecDes5	Geometric – Descartes Geometric Design	
P_Traffic_GeoDesignBy_Frame	Geometric – Geometric Designed by Frame	
P_Traffic_GeoDesignBy_Text	Geometric – Geometric Designed by Text	
P_Traffic_IntRad	Geometric – Traffic Placed Intersection Radii – New	
P_Traffic_MedCurb	Geometric – Traffic Placed Median Curb – New	
P_Traffic_Sidewalk	Geometric – Traffic Placed Sidewalk	
P_Truck_CenterlinePath	Geometric – Truck Path for Turning Template	
P_Truck_TemplatePath	Geometric – Truck Turning Template	

## 2.2.10 Traffic Safety Levels

See Road Design Levels

## 2.2.11 Traffic Signing Levels

Level Name	Description	V7 Level
E Alignment Approaches	Signing –	29
E Alignment Centerline Text	Signing –	3
E Alignment Edge of Road	Signing –	29
E Alignment North Arrow	Signing –	17
E Sign Removed sign	Signing –	26
E Sign Removed sign Text	Signing –	26
P Alignment Centerline	Signing –	3
P Alignment Centerline Text	Signing –	3
P Alignment Curve Data Text	Signing –	4
P Delin Delineators	Signing –	28
P PaveMarking 100 mm White	Signing –	27
P PaveMarking 100 mm Yellow	Signing –	27
P PaveMarking 200 mm White	Signing –	27
P PaveMarking 200 mm Yellow	Signing –	27
P PaveMarking 600 mm White	Signing –	27
P PaveMarking 600 mm Yellow	Signing –	27
P PaveMarking Pavement MarkingsText	Signing –	27
P PaveMarking Words & Symbols White	Signing –	27
P Sign New sign	Signing –	25
P Sign New sign Text	Signing –	25

## 2.2.12 Utility Levels

Level Name	Description	V7 Level
E Utilities Misc Text	Utilities – Misc Text	63
E Utilities Notes	Utilities – Notes placed by SUE	38
E Utilities Survey Points	Utilities – Additional Survey Points	39
E Utilities TitleBlock	Utilities – Consultant Title Information	
P Utilities Conflict Callouts	Utilities – Utility conflict callouts	38
P Utilities Conflict Notes	Utilities – Conflict notes	38
P Utilities Misc Notes	Utilities – Misc utility notes	38
P Utilities OwnerPage Number	Utilities – Ownership page numbers	63
P Utilities PlotBorder	Utilities – Plotting Border Batch Plot	63
P Utilities ProjectInfo Sheets	Utilities – Project information – All Sheets	63
P Utilities ProjectInfo Title	Utilities – Project information – Title sheet	63
P Utilities Summary Frame	Utilities – Summary frame lines	63
P Utilities Summary Text	Utilities – Summary Text	63
P Utilities TableContents Dots	Utilities – Table contents dots	38
P Utilities TableContents Text	Utilities – Table contents text	63
P Utilities TestHole	Utilities – Test hole locations SUE II	
P Utilities TestHoleData	Utilities – Test hole data SUE II	
S BOT UT TITLE North Arrow	Utilities – Plan Sheet Legend – North Arrow	
S BOT UT TITLE Legend Border	Utilities – Plan Sheet Legend – Border	
S BOT UT TITLE Wetland Box	Utilities – Plan Sheet Legend – Wetland Box	
S BOT UT TITLE Wetland Hatch	Utilities – Plan Sheet Legend – Wetland Hatch	
S BOT UT TITLE Legend Text	Utilities – Plan Sheet Legend – Text	
S BOT UT TITLE Legend Symbols	Utilities – Plan Sheet Legend – Symbols	
S BOT UT TITLE Legend Power	Utilities – Plan Sheet Legend – Symbols Power	
S BOT UT TITLE Legend Telephone	Utilities – Plan Sheet Legend – Symbols Telephone	
S BOT UT TITLE Legend Gas	Utilities – Plan Sheet Legend – Symbols Gas	
S BOT UT TITLE Legend TV	Utilities – Plan Sheet Legend – Symbols TV	
S BOT UT TITLE Legend Water	Utilities – Plan Sheet Legend – Symbols Water	
S BOT UT TITLE Legend San Sewer	Utilities – Plan Sheet Legend – Symbols San Sewer	
S BOT UT TITLE Authorization Block	Utilities – Title Sheet R/W Authorization Block & Text	
S BOT UT TITLE Sheet Standard Text	Utilities – Title Sheet Standard Text	
S ALL UT Utility PIH Text	Utilities – FOR UTILITY PIH Text All Sheets	
S ALL UT All Sheet Data Fields	Utilities – Standard Sheet Data Fields Bottom of Page – Cell	
S BOT UT TITLE Data Fields	Utilities – Title Sheet Standard Data Fields – Cell	
S BOT UT TOC Text	Utilities – Table of Contents Text & Lines – Cell	
S BOT UT TOC Dots	Utilities – Table of Contents Dots – Cell	
S BOT UT TOC Data Fields	Utilities – Table of Contents Data Fields – Cell	
S MID UT TOC Text	Utilities – Table of Contents Text & Lines – Cell	
S MID UT TOC Dots	Utilities – Table of Contents Dots a– Cell	
S MID UT TOC Data Fields	Utilities – Table of Contents Data Fields – Cell	
S TOP UT TOC Text	Utilities – Table of Contents Text & Lines – Cell	
S TOP UT TOC Dots	Utilities – Table of Contents Dots – Cell	
S TOP UT TOC Data Fields	Utilities – Table of Contents Data Fields – Cell	
S BOT UT OWN Text	Utilities – R/W Owners Frame Heading Text	
S BOT UT OWN Black Lines	Utilities – R/W Owners Black Lines	
S BOT UT OWN Gray Lines	Utilities – R/W Owners Gray Lines	
S BOT UT OWN Data Fields	Utilities – R/W Owners Data Fields – Cell	
S MID UT OWN Text	Utilities – R/W Owners Frame Heading Text	
S MID UT OWN Black Lines	Utilities – R/W Owners Black Lines	
S MID UT OWN Gray Lines	Utilities – R/W Owners Gray Lines	
S MID UT OWN Data Fields	Utilities – R/W Owners Data Fields – Cell	
S TOP UT OWN Text	Utilities – R/W Owners Frame Heading Text	
S TOP UT OWN Black Lines	Utilities – R/W Owners Black Lines	
S TOP UT OWN Gray Lines	Utilities – R/W Owners Gray Lines	
S TOP UT OWN Data Fields	Utilities – R/W Owners Data Fields – Cell	