

V7 Level	V7 Description	V8 Level	Description	FEATURE CODE	CO	WT	LC	TX
3	Survey Control	SURVEY - AERIAL SURVEY - Photo Control (w/text)						
3			Horizontal photo points	XH	1	2	C	***
3			Vertical photo points	XV	1	2	C	***
3			Horizontal/Vertical photo points	XHV	1	2	C	***
3			Text	***	1	2	0	.100
3	Survey Control	SURVEY - AERIAL SURVEY - Photo Control - Points - Locators						
3			Point "+-" Tic	***	1	0	0	***
3	Survey Control	SURVEY - AERIAL SURVEY - Photo Control - Points - Elevations						
3			Text	***	1	0	0	.080
3	Survey Control	SURVEY - AERIAL SURVEY - Photo Control - Points - Numbers						
3			Text	***	1	0	0	.080
24	Survey Points	SURVEY - CENTERLINE - Existing Roads						
24			Existing centerlines, mainline & sideroads	EXCL	25	4	0	***
24	Survey Points	SURVEY - CENTERLINE - Existing Roads (Text)						
24			Main line, side roads, & detours	***	25	2	0	.120
24			Station ticks	***	25	7	0	***
24			Station text (500-ft / 100-m labels)	***	25	10	0	.200
24			Bearings	***	25	4	0	.120
24			Equations	***	25	4	0	.120
24			Geometry: curve tangents	***	25	7	0	***
24			Points (PC, PI, PT, TS, SC, POT, etc.)	***	25	7	S	.150
24			Equation Points	***	25	7	S	.150
24	Survey Points	SURVEY - CENTERLINE - Existing Roads Curve Text						
24			Curve information text	***	25	2	0	.100
24			Point Text (PC, PI, PT, TS, SC, POT, etc.)	***	25	2	0	.100
30	Scratch & Survey Points	SURVEY - CENTERLINE - Existing Roads - Development						
30			Centerline geometry studies & development	X_EX-CL	7	2	0	.100
31	Proposed Centerline Geometry	SURVEY - CENTERLINE - Preliminary						
31			Proposed centerline	CL	6	10	0	***
31			Main line, side roads, & detours	***	6	10	0	***
31			Geometry: tangents & curves	***	6	10	0	***

V7 Level	V7 Description	V8 Level	Description	FEATURE CODE	CO	WT	LC	TX
32	Text for Level 31	SURVEY - CENTERLINE - Preliminary (Text)						
32			Main line, side roads, & detours	***	6	2	0	.120
32			Station ticks	***	6	7	0	***
32			Station text (500-ft / 100-m labels)	***	6	10	0	.200
32			Bearings	***	6	4	0	.120
32			Equations	***	6	4	0	.120
32			Geometry: curve tangents	***	6	7	0	***
32			Points (PC, PI, PT, TS, SC, POT, etc.)	***	6	7	S	.150
32			Equation Points	***	6	7	S	.150
33	Proposed Curve Text	SURVEY - CENTERLINE - Preliminary Curve Text						
33			Curve information text	***	6	2	0	.100
33			Point Text (PC, PI, PT, TS, SC, POT, etc.)	***	6	2	0	.100
30	Scratch & Survey Points	SURVEY - CENTERLINE - Preliminary - Development						
30			Centerline geometry studies & development	X_PROP-CL	7	2	0	.100
4	Exist. Index Contours w/text	SURVEY - CONTOURS - Index (w/text)						
4			Index Contours	***	2	2	3	***
4			Spot Elevations	***	2	2	0	.100
4			Text	***	2	2	0	.100
5	Exist. Intermediate Contours	SURVEY - CONTOURS - Intermediate (w/optional text)						
5			Intermediate Contours	***	12	0	3	***
4			Text	***	12	2	0	.100
3	Survey Control	SURVEY - CONTROL (w/text)						
3			GPS Points	XCP	1	2	C	.100
3			Benchmarks	XBM	1	2	C	.100
3			Horizontal Control Points	XTRAV	1	2	C	.100
3			Control Points Table	***	1	2	0	.100
3			Datum Adjustment Factor note	***	1	2	0	.100
3			Text	***	1	2	0	.100
30	Scratch & Survey Points	SURVEY - CONTROL - Points - Locators						
30			Point "+-" Tic	***	1	0	0	***
30	Scratch & Survey Points	SURVEY - CONTROL - Points - Elevations						
30			Text	***	1	0	0	.080
30	Scratch & Survey Points	SURVEY - CONTROL - Points - Numbers						
30			Text	***	1	0	0	.080

V7 Level	V7 Description	V8 Level	Description	FEATURE CODE	CO	WT	LC	TX
3	Survey Control	SURVEY - CONTROL - Grid						
3			State plane coordinate grid	***	1	2	0	***
3	Survey Control	SURVEY - CONTROL - Grid (text)						
3			Text	***	1	2	0	.100
6	Drainage Map Data	SURVEY - DRAINAGE - Area Shapes						
6			Area Shapes (Boundaries)	DBDRY	3	4	0	***
6	Drainage Map Data	SURVEY - DRAINAGE - Area Shapes (Text)						
6			Text	***	3	2	0	.100
6			"Drainage Data For Pipe" Cell	***	3	2	C	.100
22	Survey Points	SURVEY - DRAINAGE - Area Shapes - Points - Locators						
22			Point "+-" Tic	***	3	0	0	***
22	Survey Points	SURVEY - DRAINAGE - Area Shapes - Points - Elevations						
22			Text	***	3	0	0	.080
22	Survey Points	SURVEY - DRAINAGE - Area Shapes - Points - Numbers						
22			Text	***	3	0	0	.080
22	Survey Points	SURVEY - DRAINAGE - Bridge Deck (w/text)						
22			Bridge deck lines	DECK	3	2	0	***
22			Bridge deck spot points	XDECK	3	2	C	***
22			text	***	3	2	0	.100
22	Survey Points	SURVEY - DRAINAGE - Bridge Deck - Points - Locators						
22			Point "+-" Tic	***	3	0	0	***
22	Survey Points	SURVEY - DRAINAGE - Bridge Deck - Points - Elevations						
22			Text	***	3	0	0	.080
22	Survey Points	SURVEY - DRAINAGE - Bridge Deck - Points - Numbers						
22			Text	***	3	0	0	.080

V7 Level	V7 Description	V8 Level	Description	FEATURE CODE	CO	WT	LC	TX
40	Hydraulic Control Data w/text	SURVEY - DRAINAGE - Bridge Hydraulic Data (w/text)						
40			Flood Plain section lines	UP	3	0	0	***
40			Flood Plain section lines	DOWN	3	0	0	***
40			Stream profile lines	CRKB	3	1	0	***
40			Top of Bank lines	TB	3	2	0	***
40			Normal water elevation point	XNW	3	2	LS	.100
40			High water elevation point	XHW	3	2	LS	.100
40			Bridge Sketch	***	3	2	0	.100
40			Bridge bottom beam	BEAM	3	4	3	***
40			Stream baseline	STRCL	3	6	0	***
40			Text	***	3	2	0	.100
40			"Drainage/ Hydraulic Data For Bridge" Cell	***	3	2	C	.100
28	Survey Points	SURVEY - DRAINAGE - Bridge Hydraulic Data - Points - Locators						
28			Point "+-" Tic	***	3	0	0	***
28	Survey Points	SURVEY - DRAINAGE - Bridge Hydraulic Data - Points - Elevations						
28			Text	***	3	0	0	.080
28	Survey Points	SURVEY - DRAINAGE - Bridge Hydraulic Data - Points - Numbers						
28			Text	***	3	0	0	.080
19	Exist. Bridges & Drainage	SURVEY - DRAINAGE - Bridges						
19			Bridges (including non-drainage bridges)	BRI	3	4	3	***
19			Bridge pier	PIER	3	4	3	***
20	Text for Level 19 & 21	SURVEY - DRAINAGE - Bridges (Text)						
20			Text	***	3	2	0	.100
22	Survey Points	SURVEY - DRAINAGE - Bridges - Points - Locators						
22			Point "+-" Tic	***	3	0	0	***
22	Survey Points	SURVEY - DRAINAGE - Bridges - Points - Elevations						
22			Text	***	3	0	0	.080
22	Survey Points	SURVEY - DRAINAGE - Bridges - Points - Numbers						
22			Text	***	3	0	0	.080

V7 Level	V7 Description	V8 Level	Description	FEATURE CODE	CO	WT	LC	TX
17	Exist. Natural Drainage Features w/text	SURVEY - DRAINAGE - Natural Features (w/text)						
17			Creeks	CRK	4	2	LS	***
17			Rivers	RIVER	4	2	LS	***
17			Ponds	POND	4	2	LS	***
17			Lake	LAKE	4	2	LS	***
17			Rapids, waterfall	RPDS	4	2	LS	***
17			Sink hole	SINK	4	2	LS	***
17			Wetland boundary	WET	4	2	LS	***
17			Spring	XSPRING	4	2	C	***
17			Irrigation ditches	CRK	4	2	LS	***
17			Text	***	4	2	0	.100
28	Survey Points	SURVEY - DRAINAGE - Natural Features - Points - Locators						
28			Point "+" Tic	***	4	0	0	***
28	Survey Points	SURVEY - DRAINAGE - Natural Features - Points - Elevations						
28			Text	***	4	0	0	.080
28	Survey Points	SURVEY - DRAINAGE - Natural Features - Points - Numbers						
28			Text	***	4	0	0	.080
19	Exist. Bridges & Drainage	SURVEY - DRAINAGE - Pipes & Culverts						
19			Pipes (side drains & cross drains)	PIPE	3	2	3	***
19			Box culverts (side drains & cross drains)	CV	3	2	3	***
19			End treatment (endwalls)	EW	3	2	3	***
19			End treatment (concrete aprons)	APRON	3	2	3	***
19			Special ditches for roadways	DIT	3	2	3	***
19			Stream gauges	GAGE	3	2	3	***
19			Rip-rap	RRAP	3	2	3	***
19			Dams	DAM	3	2	LS	***
19			Dikes	DIKE	3	2	3	***
19			Levees & docks	LEVEE	3	2	3	***
19			Spillways	SPILL	3	2	3	***
20	Text for Level 19 & 21	SURVEY - DRAINAGE - Pipes & Culverts (Text)						
20			Text	***	3	2	0	.100
22	Survey Points	SURVEY - DRAINAGE - Pipes & Culverts - Points - Locators						
22			Point "+" Tic	***	3	0	0	***
22	Survey Points	SURVEY - DRAINAGE - Pipes & Culverts - Points - Elevations						
22			Text	***	3	0	0	.080

V7 Level	V7 Description	V8 Level	Description	FEATURE CODE	CO	WT	LC	TX
22	Surevy Points	SURVEY - DRAINAGE - Pipes & Culverts - Points - Numbers						
22			Text	***	3	0	0	.080
21	Exist. Storm Drainage	SURVEY - DRAINAGE - Storm Sewer						
21			Storm sewer pipes	?STS	3	2	LS	***
21			Catchbasins	XCB	3	2	C	***
21			Drop inlets	XDI	3	2	C	***
21			Storm sewer manholes, etc.	XMHSTS	3	2	C	***
21			Storm sewer box culverts	***	3	2	3	***
21			Safety grates	***	3	2	C	***
20	Text for Level 19 & 21	SURVEY - DRAINAGE - Storm Sewer (Text)						
20			Text	***	3	2	0	.100
22	Surevy Points	SURVEY - DRAINAGE - Storm Sewer - Points - Locators						
22			Point "+-" Tic	***	3	0	0	***
22	Surevy Points	SURVEY - DRAINAGE - Storm Sewer - Points - Elevations						
22			Text	***	3	0	0	.080
22	Surevy Points	SURVEY - DRAINAGE - Storm Sewer - Points - Numbers						
22			Text	***	3	0	0	.080
29	Survey Points (Breakline)	SURVEY - DTM - Breaklines						
29			Breaklines	BL	13	0	0	***
29	Survey Points (Breakline)	SURVEY - DTM - Breaklines - Points - Locators						
29			Point "+-" Tic	***	2	0	0	***
29	Survey Points (Breakline)	SURVEY - DTM - Breaklines - Points - Elevations						
29			Text	***	2	0	0	.080
29	Survey Points (Breakline)	SURVEY - DTM - Breaklines - Points - Numbers						
29			Text	***	2	0	0	.080
29	Survey Points (Breakline)	SURVEY - DTM - Void Lines						
29			Void lines	OL	6	7	0	***
29	Survey Points (Breakline)	SURVEY - DTM - Void Lines - Points - Locators						
29			Point "+-" Tic	***	6	0	0	***

V7 Level	V7 Description	V8 Level	Description	FEATURE CODE	CO	WT	LC	TX
29	Survey Points (Breakline)	SURVEY - DTM - Void Lines - Points - Elevations						
29			Text	***	6	0	0	.080
29	Survey Points (Breakline)	SURVEY - DTM - Void Lines - Points - Numbers						
29			Text	***	6	0	0	.080
30	Scratch & Survey Points	SURVEY - DTM - Spot Points - Locators						
30			Point (circle)	XP	2	0	C	***
30	Scratch & Survey Points	SURVEY - DTM - Spot Points - Elevations						
30			Text	***	2	0	0	.080
30	Scratch & Survey Points	SURVEY - DTM - Spot Points - Point Numbers						
30			Text	***	2	0	0	.080
15	Exterior Line (boundary)	SURVEY - DTM GRAPHICS - Boundary Line						
15			DTM boundary line	***	0	0	0	***
21	Break Lines	SURVEY - DTM GRAPHICS - Breaklines						
21			DTM break lines	***	3	0	0	***
5	Existing Intermediate Contours	SURVEY - DTM GRAPHICS - Contours						
5			DTM contours	***	2	0	0	***
21	Break Lines	SURVEY - DTM GRAPHICS - Islands						
21			DTM islands	***	0	0	0	***
12	Interior Lines (Obscure areas)	SURVEY - DTM GRAPHICS - Voids						
12			DTM void lines	***	6	0	0	***
12	Interior Lines (Obscure areas)	SURVEY - DTM GRAPHICS - Break Voids						
12			DTM break voids	***	10	0	0	***
12	Interior Lines (Obscure areas)	SURVEY - DTM GRAPHICS - Drape Voids						
12			DTM drape voids	***	11	0	0	***
10	Random Points	SURVEY - DTM GRAPHICS - Spot Points						
10			DTM spot points	***	0	0	0	***

V7 Level	V7 Description	V8 Level	Description	FEATURE CODE	CO	WT	LC	TX
21	Break Lines	SURVEY - DTM GRAPHICS - Triangles						
21			DTM triangles	***	8	0	0	***
22		SURVEY - MISCELLANEOUS - Bottom of MH & CB						
22			Bottom of MH's, CB's, etc.	XBOT	3	2	C	***
22	Survey Points	SURVEY - MISCELLANEOUS - Bottom of MH & CB - Points - Elevations						
22			Text	***	3	0	0	.080
22	Survey Points	SURVEY - MISCELLANEOUS - Bottom of MH & CB - Points - Numbers						
22			Text	***	3	0	0	.080
30	Scratch & Survey Points	SURVEY - MISCELLANEOUS - Office (w/text)						
30			Miscellaneous COGO points & lines	***				
30			Hi Visibility office point	XPOINT	7	2	***	***
30			Default Point	DEFAULT_POINT	48	2	***	***
30			Default Line	DEFAULT_LINE	48	2	***	***
30			Default Chain	DEFAULT_CHAIN	48	2	***	***
30			Default Parcel	DEFAULT_PARCEL	48	2	***	***
30			Default Curve	DEFAULT_CURVE	48	2	***	***
30			Default Spiral	DEFAULT_SPIRAL	48	2	***	***
30			text	***	48	2	0	.100

V7 Level	V7 Description	V8 Level	Description	FEATURE CODE	CO	WT	LC	TX
11	Exist. Non-Trans. Features	SURVEY - NON-TRANSPORTATION - Features						
11			Debris & Storage Piles	MISC	1	2	0	***
11			Areas under construction	MISC	1	2	0	***
11			Rip-rap (Non-Drainage)	MISC	1	2	AP	***
11			Athletic fields	AFLD	1	2	0	***
11			Cemeteries	CEM	1	2	7	***
11			Cattle Guard	CG	1	2	0	***
11			Fence lines	FN	1	2	LS	***
11			Gates	GATE	1	2	1	***
11			Graves	GRAVE	1	2	1	***
11			Quarries & pits	PIT	1	2	3	***
11			Retaining walls (residential & commercial)	RWP	1	2	3	***
11			Retaining walls (residential & commercial) w/fence	RWPWF	1	2	LS	***
11			Miscellaneous Pad	PAD	1	2	0	***
11			Sidewalks (private)	SWP	1	2	0	***
11			Stone fences & rock walls	ROCKW	1	2	LS	***
11			Tanks (fixed) (UG or above ground)	TANK	1	2	3	***
11			Towers	TOWER	1	2	0	***
11			Septic field line	SEP	1	2	3	***
11			Septic Tank	XSEP	1	2	C	***
11			Sign (private)	SIGNP	1	2	0	***
11			Miscellaneous line	MISC	1	2	0	***
11			Miscellaneous point	XMISC	1	2	C	***
11			Solid line	SOLID	1	2	0	***
11			Dash line	DASH	1	2	3	***
11			Dotted line	DOT	1	2	1	***
11			Long dashed line	LD	1	2	LS	***
11			Boulder	XBLDR	1	0	C	***
11			Flag poles	XFLAG	1	2	C	***
11			Fence post	XFP	1	2	C	***
11			Mailbox	XMB	1	2	C	***
11			Satellite dish	XSATLIT	1	2	C	***
11			Wells	XWELL	1	2	C	***
12	Text for Level 11	SURVEY - NON-TRANSPORTATION - Features (Text)						
12			Text	***	1	2	0	.100
			Floor elevation	XFE	1	2	***	.100
27	Survey Points	SURVEY - NON-TRANSPORTATION - Features - Points - Locators						
27			Point "+" Tic	***	1	0	0	***
27	Survey Points	SURVEY - NON-TRANSPORTATION - Features - Points - Elevations						
27			Text	***	1	0	0	.080
27	Survey Points	SURVEY - NON-TRANSPORTATION - Features - Points - Numbers						
27			Text	***	1	0	0	.080

V7 Level	V7 Description	V8 Level	Description	FEATURE CODE	CO	WT	LC	TX
11	Exist. Non-Trans. Features	SURVEY - NON-TRANSPORTATION - Buildings						
11			Steps	BC	1	2	0	***
11			Barns	BC	1	2	0	***
11			Patios & decks	BC	1	2	0	***
11			Sheds	BC	1	2	0	***
11			Silos	BC	1	2	0	***
11			Swimming pools	BC	1	2	0	***
11			Well houses	BC	1	2	0	***
11			Chimneys & smokestacks	BC	1	2	0	***
11			Buildings	BC	1	2	0	***
12	Text for Level 11	SURVEY - NON-TRANSPORTATION - Buildings (Text)						
12			Text	***	1	2	0	.100
27	Survey Points	SURVEY - NON-TRANSPORTATION - Buildings - Points - Locators						
27			Point "+-" Tic	***	1	0	0	***
27	Survey Points	SURVEY - NON-TRANSPORTATION - Buildings - Points - Elevations						
27			Text	***	1	0	0	.080
27	Survey Points	SURVEY - NON-TRANSPORTATION - Buildings - Points - Numbers						
27			Text	***	1	0	0	.080
3	Survey Control	SURVEY - PROFILE - Control (w/text)						
3			Benchmarks	***	1	2	0	.120
19	Existing Bridges & Drainage	SURVEY - PROFILE - Drainage - Bridge						
19			Bridge profile	***	0	2	3	***
20	Text for Level 19 & 21	SURVEY - PROFILE - Drainage - Bridge (text)						
20			Text	***	0	2	0	.100
17	Exist. Natural Drainage Features w/text	SURVEY - PROFILE - Drainage - Natural Features (w/text)						
17			HW50	***	3	2	0	.120
17			HW100	***	3	2	0	.120
17			Normal high water	***	3	2	0	.120
17			Extreme high water	***	3	2	0	.120
17			Q50	***	3	2	0	.120
17			Q100	***	3	2	0	.120
17			Text	***	3	2	0	.120

V7 Level	V7 Description	V8 Level	Description	FEATURE CODE	CO	WT	LC	TX
19	Existing Bridges & Drainage	SURVEY - PROFILE - Drainage - Pipes & Culverts						
19			Pipes & box culverts (side drains & cross drains)	***	3	2	3	***
19			End treatment (endwalls, concrete aprons, etc.)	***	3	2	3	***
19			Special ditches for roadways	***	3	2	3	***
20	Text for Level 19 & 21	SURVEY - PROFILE - Drainage - Pipes & Culverts (text)						
20			Text	***	3	2	0	.120
21	Exist. Storm Drainage	SURVEY - PROFILE - Drainage - Storm Sewer						
21			Storm sewer pipes & box culverts	***	3	2	3	***
21			Structures (catchbasins, drop inlets, manholes, etc.)	***	3	2	3	***
20	Text for Level 19 & 21	SURVEY - PROFILE - Drainage - Storm Sewer (text)						
20			Text	***	3	2	0	.120
1	Exist. Ground Line	SURVEY - PROFILE - Ground Line (w/text)						
1			Ground profile, preliminary	***	0	2	3	***
2			Text	***	0	2	0	.120
1	Text for Level 1	SURVEY - PROFILE - Existing Roads (w/Text)						
1			Ground profile, existing roads	***	0	2	3	***
2			Text	***	0	2	0	.120
30	Scratch	SURVEY - PROFILE - Project Information & Notes						
30			Name labels for each profile	***	0	2	0	.500
30			text	***	0	2	0	.100
25	Existing Utilities w/text	SURVEY - PROFILE - Utilities - Overhead Wire Crossings						
25			Circle	***	2	2	0	***
25			Text	***	2	2	0	.100
25	Existing Utilities w/text	SURVEY - PROFILE - Utilities - Electric (w/text)						
25			Electric Lines	***	5	2	LS	***
25			Electric Manholes	***	5	2	0	***
25			Text	***	5	2	0	.100
25	Existing Utilities w/text	SURVEY - PROFILE - Utilities - Gas (w/text)						
25			Gas Lines	***	7	2	LS	***
25			Gas Manholes	***	7	2	0	***
25			Text	***	7	2	0	.100

V7 Level	V7 Description	V8 Level	Description	FEATURE CODE	CO	WT	LC	TX
25	Existing Utilities w/text	SURVEY - PROFILE - Utilities - Sanitary Sewer (w/text)						
25			Sanitary Sewer Lines	***	13	2	LS	***
25			Sanitary Sewer Manholes	***	13	2	0	***
25			Text	***	13	2	0	.100
25	Existing Utilities w/text	SURVEY - PROFILE - Utilities - Telephone (w/text)						
25			Telephone Lines	***	8	2	LS	***
25			Telephone Manholes	***	8	2	0	***
25	Existing Utilities w/text	SURVEY - PROFILE - Utilities - Cable (w/text)						
25			Cable Lines	***	8	2	LS	***
25			Cable Manholes	***	8	2	0	***
25			Text	***	8	2	0	.100
25	Existing Utilities w/text	SURVEY - PROFILE - Utilities - Water (w/text)						
25			Water Lines	***	4	2	LS	***
25			Water Manholes	***	4	2	0	***
30	Scratch & Survey Points	SURVEY - PROJECT INFORMATION & NOTES						
30			Project Description note	***	0	2	0	.100
30			Petroleum Storage Tanks note	***	0	2	0	.100
32			North Arrow	***	6	2	C	***
30			text	***	0	2	0	.100
15	Exist. ROW & Property Lines	SURVEY - PROPERTY - Easement Lines						
15			Easement lines	ESMT	10	4	3	***
15			Drainage easements	ESMTD	10	4	3	***
15			Misc. easement areas	***	10	2	AP	***
16	Text for Level 15	SURVEY - PROPERTY - Easement Lines (Text)						
16			Text	***	10	2	0	.120
26	Survey Points (ROW & Parcel)	SURVEY - PROPERTY - Easement Lines - Points - Locators						
26			Point "+" Tic	***	10	0	0	***
26	Survey Points (ROW & Parcel)	SURVEY - PROPERTY - Easement Lines - Points - Elevations						
26			Text	***	10	0	0	.080
26	Survey Points (ROW & Parcel)	SURVEY - PROPERTY - Easement Lines - Points - Numbers						
26			Text	***	10	0	0	.080

V7 Level	V7 Description	V8 Level	Description	FEATURE CODE	CO	WT	LC	TX
10	Property Owners & Tract Numbers	SURVEY - PROPERTY - Owners						
10			Property owners' names	***	10	7	0	.175
10	Property Owners & Tract Numbers	SURVEY - PROPERTY - Tract Numbers						
10			Tract numbers	***	10	4	0	.140
10			Tract no. ellipse	***	10	4	0	***
26	Survey Points (ROW & Parcel)	SURVEY - PROPERTY - Parcels						
26			Parcels	PARCEL	10	2	0	***
16	Text for Level 15	SURVEY - PROPERTY - Station & Offset Flags						
16			Text	***	10	2	0	.100
13	Political Boundaries	SURVEY - PROPERTY - Political Boundaries						
13			City & village lines	CITY	1	2	LS	***
13			County lines	COUNTY	1	13	7	***
13			State lines	STATE	1	15	7	***
14	Text for Level 13	SURVEY - PROPERTY - Political Boundaries (Text)						
14			Text	***	1	4	0	.140
27	Survey Points	SURVEY - PROPERTY - Political Boundaries - Points - Locators						
27			Point "+-" Tic	***	1	0	0	***
27	Survey Points	SURVEY - PROPERTY - Political Boundaries - Points - Elevations						
27			Text	***	1	0	0	.080
27	Survey Points	SURVEY - PROPERTY - Political Boundaries - Points - Numbers						
27			Text	***	1	0	0	.080
15	Exist. ROW & Property Lines	SURVEY - PROPERTY - Property Lines						
15			Property Lines	PL	10	2	LS	***
			Property Lines with fence	PLWF	10	2	LS	***
16	Text for Level 15	SURVEY - PROPERTY - Property Lines (Text)						
16			Bearings & Distances	***	10	2	0	.100
16			Text	***	10	2	0	.120
26	Survey Points (ROW & Parcel)	SURVEY - PROPERTY - Property Lines - Points - Locators						
26			Point "+-" Tic	***	10	0	0	***

V7 Level	V7 Description	V8 Level	Description	FEATURE CODE	CO	WT	LC	TX
26 26	Survey Points (ROW & Parcel)	SURVEY - PROPERTY - Property Lines - Points - Elevations	Text	***	10	0	0	.080
26 26	Survey Points (ROW & Parcel)	SURVEY - PROPERTY - Property Lines - Points - Numbers	Text	***	10	0	0	.080
16 16 16 16 16	Text for Level 15	SURVEY - PROPERTY - Property Markers (w/text)	Iron Pin (existing) Concrete marker Property corner Text	XIP XMON XPL ***	10 10 10 10	2 2 2 2	C C C 0	*** *** *** .100
16 16	Text for Level 15	SURVEY - PROPERTY - Property Markers - Points - Locators	Point "+-" Tic	***	10	0	0	***
16 16	Text for Level 15	SURVEY - PROPERTY - Property Markers - Points - Elevations	Text	***	10	0	0	.080
16 16	Text for Level 15	SURVEY - PROPERTY - Property Markers - Points - Numbers	Text	***	10	0	0	.080
15 15 15	Exist. ROW & Property Lines	SURVEY - PROPERTY - ROW Lines	Right-of-Way lines Right-of-Way lines with fence	ROW ROWWF	10 10	4 4	LS LS	*** ***
16 16	Text for Level 15	SURVEY - PROPERTY - ROW Lines (Text)	Text	***	10	2	0	.120
26 26	Survey Points (ROW & Parcel)	SURVEY - PROPERTY - ROW Lines - Points - Locators	Point "+-" Tic	***	10	0	0	***
26 26	Survey Points (ROW & Parcel)	SURVEY - PROPERTY - ROW Lines - Points - Elevations	Text	***	10	0	0	.080
26 26	Survey Points (ROW & Parcel)	SURVEY - PROPERTY - ROW Lines - Points - Numbers	Text	***	10	0	0	.080

V7 Level	V7 Description	V8 Level	Description	FEATURE CODE	CO	WT	LC	TX
16	Text for Level 15	SURVEY - PROPERTY - ROW Markers (w/text)						
16			ROW monument	XROW	10	2	C	***
16			ROW monument (inline)	XROWA	10	2	C	***
16			ROW monument (corner)	XROWB	10	2	C	***
16			Text	***	10	2	0	.100
16	Text for Level 15	SURVEY - PROPERTY - ROW Markers - Points - Locators						
16			Point "+-" Tic	***	10	0	0	***
16	Text for Level 15	SURVEY - PROPERTY - ROW Markers - Points - Elevations						
16			Text	***	10	0	0	.080
16	Text for Level 15	SURVEY - PROPERTY - ROW Markers - Points - Numbers						
16			Text	***	10	0	0	.080
30	Scratch & Survey Points	SURVEY - PROPERTY - Development						
30			Property geometry studies & development	X_PROPERTY	7	2	0	.100
8	Exist. Roadside Barriers & Text for Level 7	SURVEY - ROADSIDE BARRIERS (w/text)						
8			Guardrail left	GRL	11	2	LS	***
8			Guardrail right	GRR	11	2	LS	***
8			Guardrail median	GRM	11	2	LS	***
8			Guardrail terminals	***	11	2	C	***
8			Impact attenuators	IMP	11	2	3	***
8			Jersey barrier	JB	11	2	3	***
8			Retaining walls (roadway & noise)	RWT	11	2	3	***
8			Retaining walls (roadway & noise) w/fence	RWTWF	11	2	LS	***
8			Text	***	11	2	0	.100
24	Survey Points	SURVEY - ROADSIDE BARRIERS - Points - Locators						
24			Point "+-" Tic	***	11	0	0	***
24	Survey Points	SURVEY - ROADSIDE BARRIERS - Points - Elevations						
24			Text	***	11	0	0	.080
24	Survey Points	SURVEY - ROADSIDE BARRIERS - Points - Numbers						
24			Text	***	11	0	0	.080

V7 Level	V7 Description	V8 Level	Description	FEATURE CODE	CO	WT	LC	TX
23	Exist. Signs & Traffic Control w/text	SURVEY - TRAFFIC CONTROL - Pavement Marking (w/text)						
23			Stop Bar	STOP	0	15	0	***
23			Crosswalk	CWALK	0	6	0	***
23			Lane Line (dashed)	LLD	0	0	LS	***
23			Lane Line (Solid)	LLS	0	0	0	***
23			Left arrow	XLAR	0	2	C	***
23			Right arrow	XRAR	0	2	C	***
23			Left & Right arrow	XLRAR	0	2	C	***
23			Straight arrow	XSAR	0	2	C	***
23			Straight & Left turn arrow	XSLAR	0	2	C	***
23			Straight & Right arrow	XSRAR	0	2	C	***
23			Straight & Left & Right turn arrow	XSLRAR	0	2	C	***
23			Pavement marking word "ONLY"	XONLY	0	2	C	***
23			Pavement marking words	XPVTXT	0	2	C	***
23			Right arrow interstate	XRARI	0	2	C	***
23			Straight arrow interstate	XSARI	0	2	C	***
23			Straight & Right arrow interstate	XSRARI	0	2	C	***
23			Railroad crossing pavement marking	XRRPAV	0	2	C	***
23			HOV diamond	XHOV	0	2	C	***
23			Text	***	0	2	0	.100
30	Scratch & Survey Points	SURVEY - TRAFFIC CONTROL - Pavement Marking - Points - Locators						
30			Point "+" Tic	***	7	0	0	***
30	Scratch & Survey Points	SURVEY - TRAFFIC CONTROL - Pavement Marking - Points - Elevations						
30			Text	***	7	0	0	.080
30	Scratch & Survey Points	SURVEY - TRAFFIC CONTROL - Pavement Marking - Points - Numbers						
30			Text	***	7	0	0	.080

V7 Level	V7 Description	V8 Level	Description	FEATURE CODE	CO	WT	LC	TX
23	Exist. Signs & Traffic Control w/text	SURVEY - TRAFFIC CONTROL - Signs & Devices (w/text)						
23			Billboards	SIGNT	7	2	C	***
23			Historical markers	SIGNT	7	2	C	***
23			Signs	SIGNT	7	2	0	***
23			Loop detector	LDECT	7	0	LS	***
23			Barricades & barrels	BARR	7	2	LS	***
23			Overhead signs	XOHS	7	8	0	***
23			Pad mounted controller	XPDMC	7	2	C	***
23			Pole mounted controller	XPLMC	7	2	C	***
23			Pedestrian signal	XPDSHN	7	0	C	***
23			Pedestrian pushbutton	XPPH	7	2	C	***
23			Pull box	XPULLB	7	2	C	***
23			Railroad flashing signal crossing	XRRFS	7	2	C	***
23			Railroad flashing signal crossing w/gate	XRRFSG	7	2	C	***
23			Railroad signal	XRRSIG	7	2	C	***
23			Traffic signal head	XSHNB	7	2	C	***
23			Traffic signal head w/backplate	XSHNB	7	2	C	***
23			Small 1-post sign	XSIGN1	7	2	C	***
23			Small 2-post sign	XSIGN2	7	2	C	***
23			Small 2-faced sign	X2SIGN	7	2	C	***
23			Strain pole for signal support	XSPSS	7	2	C	***
23			Wood strain pole for signal support	XWPSS	7	2	C	***
23			Text	***	7	2	0	.100
30	Scratch & Survey Points	SURVEY - TRAFFIC CONTROL - Signs - Points - Locators						
30			Point "+" Tic	***	7	0	0	***
30	Scratch & Survey Points	SURVEY - TRAFFIC CONTROL - Signs - Points - Elevations						
30			Text	***	7	0	0	.080
30	Scratch & Survey Points	SURVEY - TRAFFIC CONTROL - Signs - Points - Numbers						
30			Text	***	7	0	0	.080
7	Existing Trans. Features	SURVEY - TRANSPORTATION - Features						
7			Airport runways	RWAY	11	2	3	***
7			Bikeways	BIKE	11	2	3	***
7			Parking lots	PK	11	2	3	***
7			Driveways	DR	11	2	3	***
7			Field entrances	FE	11	2	3	***
7			Business entrances	BE	11	2	3	***
7			Curb	CU	11	2	3	***
7			Curb & gutter	CU	11	2	3	***
7			Medians	MED	11	2	3	***
7			Shoulders (outside edge of stabilized shoulders)	SH	11	2	3	***
7			Sidewalks	SWT	11	2	3	***
7			Trails	TRAIL	11	2	2	***
7			Tunnels (highway, pedestrian, railroad, etc.)	TUN	11	2	3	***
7			Handicap curb opening	XHRAMP	11	2	C	***

V7 Level	V7 Description	V8 Level	Description	FEATURE CODE	CO	WT	LC	TX
8 8	Exist. Roadside Barriers & Text for Level 7	SURVEY - TRANSPORTATION - Features (Text)	Text	***	11	2	0	.100
24 24	Survey Points	SURVEY - TRANSPORTATION - Features - Points - Locators	Point "+-" Tic	***	11	2	0	***
24 24	Survey Points	SURVEY - TRANSPORTATION - Features - Points - Elevations	Text	***	11	2	0	.080
24 24	Survey Points	SURVEY - TRANSPORTATION - Features - Points - Numbers	Text	***	11	2	0	.080
7 7 7 7	Existing Trans. Features	SURVEY - TRANSPORTATION - Railroads	Railroad rails Railroad switch stands Railroad switch	RR RRSS XRRSW	11 11 11	2 2 2	LS 2 C	*** *** ***
8 8	Exist. Roadside Barriers & Text for Level 7	SURVEY - TRANSPORTATION - Railroads (Text)	Text	***	11	2	0	.100
24 24	Survey Points	SURVEY - TRANSPORTATION - Railroads - Points - Locators	Point "+-" Tic	***	11	2	0	***
24 24	Survey Points	SURVEY - TRANSPORTATION - Railroads - Points - Elevations	Text	***	11	2	0	.080
24 24	Survey Points	SURVEY - TRANSPORTATION - Railroads - Points - Numbers	Text	***	11	2	0	.080
7 7	Existing Trans. Features	SURVEY - TRANSPORTATION - Roads	Edges of traveled way	RD or EP	0	4	3	***
8 8	Exist. Roadside Barriers & Text for Level 7	SURVEY - TRANSPORTATION - Roads (Text)	Text	***	0	2	0	.120
24 24	Survey Points	SURVEY - TRANSPORTATION - Roads - Points - Locators	Point "+-" Tic	***	0	0	0	***
24 24	Survey Points	SURVEY - TRANSPORTATION - Roads - Points - Elevations	Text	***	0	0	0	.080

V7 Level	V7 Description	V8 Level	Description	FEATURE CODE	CO	WT	LC	TX
24	Survey Points	SURVEY - TRANSPORTATION - Roads - Points - Numbers						
24			Text	***	0	0	0	.080
25	Exist. Utilities w/text	SURVEY - UTILITIES - Cable (Underground) (w/text)						
25			Cable lines (Underground)	UGC	8	2	LS	***
25			Cable manholes	XMHC	8	0	C	***
25			Cable pedestal	XCPED	8	0	C	***
25			Text	***	8	2	0	.100
30	Scratch & Survey Points	SURVEY - UTILITIES - Cable (Underground) - Points - Locators						
30			Point "+-" Tic	***	8	0	0	***
30	Scratch & Survey Points	SURVEY - UTILITIES - Cable (Underground) - Points - Elevations						
30			Text	***	8	0	0	.080
30	Scratch & Survey Points	SURVEY - UTILITIES - Cable (Underground) - Points - Numbers						
30			Text	***	8	0	0	.080
25	Exist. Utilities w/text	SURVEY - UTILITIES - Electric (Lighting) (w/text)						
25			Light pole (1 light)	XLP1	2	2	C	***
25			Light pole (2 lights)	XLP2	2	2	C	***
25			Light pole (3 lights)	XLP3	2	2	C	***
25			Light pole (4 lights)	XLP4	2	2	C	***
25			High mast light (half)	XHMLPH	2	2	C	***
25			High mast light (full)	XHMLPF	2	2	C	***
25			Offset type luminaire & pole	XOFTLP	2	2	C	***
25			Lighting control center	XLCC	2	2	C	***
25			Text	***				
30	Scratch & Survey Points	SURVEY - UTILITIES - Electric (Lighting) - Points - Locators						
30			Point "+-" Tic	***	2	0	0	***
30	Scratch & Survey Points	SURVEY - UTILITIES - Electric (Lighting) - Points - Elevations						
30			Text	***	2	0	0	.080
30	Scratch & Survey Points	SURVEY - UTILITIES - Electric (Lighting) - Points - Numbers						
30			Text	***	2	0	0	.080
25	Exist. Utilities w/text	SURVEY - UTILITIES - Electric (Overhead) (w/text)						
25			Substation	***	5	2	3	***
25			Transmission towers	PTOW	5	2	0	***
25			Text	***				

V7 Level	V7 Description	V8 Level	Description	FEATURE CODE	CO	WT	LC	TX
30	Scratch & Survey Points	SURVEY - UTILITIES - Electric (Overhead) - Points - Locators						
30			Point "+-" Tic	***	5	0	0	***
30	Scratch & Survey Points	SURVEY - UTILITIES - Electric (Overhead) - Points - Elevations						
30			Text	***	5	0	0	.080
30	Scratch & Survey Points	SURVEY - UTILITIES - Electric (Overhead) - Points - Numbers						
30			Text	***	5	0	0	.080
25	Exist. Utilities w/text	SURVEY - UTILITIES - Electric (Underground) (w/text)						
25			Electric lines (Underground)	UGP	5	2	LS	***
25			Manholes	XMHP	5	2	C	***
25			Text	***	5	2	0	.100
30	Scratch & Survey Points	SURVEY - UTILITIES - Electric (Underground) - Points - Locators						
30			Point "+-" Tic	***	5	0	0	***
30	Scratch & Survey Points	SURVEY - UTILITIES - Electric (Underground) - Points - Elevations						
30			Text	***	5	0	0	.080
30	Scratch & Survey Points	SURVEY - UTILITIES - Electric (Underground) - Points - Numbers						
30			Text	***	5	0	0	.080
25	Exist. Utilities w/text	SURVEY - UTILITIES - Fiber Optic Cable (Underground) (w/text)						
25			Fiber Optic lines (Underground)	UGF	8	2	LS	***
25			Fiber Optic manholes	XMHF	8	2	C	***
25			Text	***	8	2	0	.100
30	Scratch & Survey Points	SURVEY - UTILITIES - Fiber Optic Cable (Underground) - Points - Locators						
30			Point "+-" Tic	***	8	0	0	***
30	Scratch & Survey Points	SURVEY - UTILITIES - Fiber Optic Cable (Underground) - Points - Elevations						
30			Text	***	8	0	0	.080
30	Scratch & Survey Points	SURVEY - UTILITIES - Fiber Optic Cable (Underground) - Points - Numbers						
30			Text	***	8	0	0	.080

V7 Level	V7 Description	V8 Level	Description	FEATURE CODE	CO	WT	LC	TX
25	Exist. Utilities w/text	SURVEY - UTILITIES - Gas (w/text)						
25			Gas lines	?GL	7	2	LS	***
25			Manholes	XMHG	7	2	C	***
25			Gas meter	XGM	7	2	C	***
25			Gas valve	XGV	7	2	C	***
25			Text	***				
30	Scratch & Survey Points	SURVEY - UTILITIES - Gas - Points - Locators						
30			Point "+-" Tic	***	7	0	0	***
30	Scratch & Survey Points	SURVEY - UTILITIES - Gas - Points - Elevations						
30			Text	***	7	0	0	.080
30	Scratch & Survey Points	SURVEY - UTILITIES - Gas - Points - Numbers						
30			Text	***	7	0	0	.080
30	Scratch & Survey Points	SURVEY - UTILITIES - Low Wire Crossings						
30			Low wire crossings, for profile annotation	XLW	2	2	C	***
30	Scratch & Survey Points	SURVEY - UTILITIES - Low Wire Crossings - Points - Elevations						
30			Text	***	2	0	0	.080
30	Scratch & Survey Points	SURVEY - UTILITIES - Low Wire Crossings - Points - Numbers						
30			Text	***	2	0	0	.080
25	Exist. Utilities w/text	SURVEY - UTILITIES - Overhead Wire Crossings						
25			Overhead wires crossing preliminary centerline, for plan view	OHW	2	2	LS	***
			Text	***				
30	Scratch & Survey Points	SURVEY - UTILITIES - Overhead Wire Crossings - Points - Locators						
30			Point "+-" Tic	***	2	0	0	***
30	Scratch & Survey Points	SURVEY - UTILITIES - Overhead Wire Crossings - Points - Elevations						
30			Text	***	2	0	0	.080
30	Scratch & Survey Points	SURVEY - UTILITIES - Overhead Wire Crossings - Points - Numbers						
30			Text	***	2	0	0	.080
25	Exist. Utilities w/text	SURVEY - UTILITIES - Owners						
25			Utility Disclaimer note	***	0	2	0	.100
25			Text	***	2	2	0	.100

V7 Level	V7 Description	V8 Level	Description	FEATURE CODE	CO	WT	LC	TX
25	Exist. Utilities w/text	SURVEY - UTILITIES - Poles & Miscellaneous (w/text)						
25			Utility poles	XUP	2	2	C	***
25			Utility poles with lights	XUPL	2	2	C	***
25			Utility boxes	XUM	2	2	C	***
25			Guy wires	XGW	2	2	C	***
25			Guy device angle anchor	XGAA	2	2	C	***
25			Guy device vertical anchor	XGVA	2	0	C	***
25			Manholes (type unknown)	XMH	2	0	C	***
25			Telegraph pole	XTGP	2	0	C	***
25			Radio, TV, or Cell Tower	XTOWER	2	2	C	***
25			Power/Telephone (Underground)	UGPT	2	2	LS	***
25			Miscellaneous utility features (line)	UM	2	2	2	***
25			Miscellaneous utility features (point)	XUM	2	2	C	***
25			Text	***				
30	Scratch & Survey Points	SURVEY - UTILITIES - Poles & Miscellaneous - Points - Locators						
30			Point "+-" Tic	***	2	0	0	***
30	Scratch & Survey Points	SURVEY - UTILITIES - Poles & Miscellaneous - Points - Elevations						
30			Text	***	2	0	0	.080
30	Scratch & Survey Points	SURVEY - UTILITIES - Poles & Miscellaneous - Points - Numbers						
30			Text	***	2	0	0	.080
25	Exist. Utilities w/text	SURVEY - UTILITIES - Sanitary Sewer (w/text)						
25			Sanitary sewer lines	?SAS	13	2	LS	***
25			Force main sanitary sewer lines	?FMS	13	2	LS	***
25			Sanitary sewer manholes	XMHSAS	13	2	C	***
25			Sewer meter	XSM	13	2	C	***
25			Sewer valve	XSV	13	2	C	***
25			Text	***	13	2	0	.100
30	Scratch & Survey Points	SURVEY - UTILITIES - Sanitary Sewer - Points - Locators						
30			Point "+-" Tic	***	13	0	0	***
30	Scratch & Survey Points	SURVEY - UTILITIES - Sanitary Sewer - Points - Elevations						
30			Text	***	13	0	0	.080
30	Scratch & Survey Points	SURVEY - UTILITIES - Sanitary Sewer - Points - Numbers						
30			Text	***	13	0	0	.080

V7 Level	V7 Description	V8 Level	Description	FEATURE CODE	CO	WT	LC	TX
25	Exist. Utilities w/text	SURVEY - UTILITIES - Telephone (Overhead) (w/text)						
25			Telephone booth	XTBOOTH	8	2	C	***
25			Telephone box	XTBOX	8	2	C	***
25			Text	***	8	2	0	.100
30	Scratch & Survey Points	SURVEY - UTILITIES - Telephone (Overhead) - Points - Locators						
30			Point "+-" Tic	***	8	0	0	***
30	Scratch & Survey Points	SURVEY - UTILITIES - Telephone (Overhead) - Points - Elevations						
30			Text	***	8	0	0	.080
30	Scratch & Survey Points	SURVEY - UTILITIES - Telephone (Overhead) - Points - Numbers						
30			Text	***	8	0	0	.080
25	Exist. Utilities w/text	SURVEY - UTILITIES - Telephone (Underground) (w/text)						
25			Telephone lines (Underground)	UGT	8	2	LS	***
25			Telephone manholes	XMHT	8	2	C	***
25			Telephone pedestal	XTPED	8	2	C	***
25			Text	***	8	2	0	.100
30	Scratch & Survey Points	SURVEY - UTILITIES - Telephone (Underground) - Points - Locators						
30			Point "+-" Tic	***	8	0	0	***
30	Scratch & Survey Points	SURVEY - UTILITIES - Telephone (Underground) - Points - Elevations						
30			Text	***	8	0	0	.080
30	Scratch & Survey Points	SURVEY - UTILITIES - Telephone (Underground) - Points - Numbers						
30			Text	***	8	0	0	.080
25	Exist. Utilities w/text	SURVEY - UTILITIES - Water (w/text)						
25			Water lines	?WL	4	2	LS	***
25			Fire Hydrants	XFH	4	2	C	***
25			Water manholes	XMHW	4	2	C	***
25			Water meter	XWM	4	2	C	***
25			Water valve	XWV	4	2	C	***
25			Text	***	4	2	0	.100
30	Scratch & Survey Points	SURVEY - UTILITIES - Water - Points - Locators						
30			Point "+-" Tic	***	4	0	0	***
30	Scratch & Survey Points	SURVEY - UTILITIES - Water - Points - Elevations						
30			Text	***	4	0	0	.080

V7 Level	V7 Description	V8 Level	Description	FEATURE CODE	CO	WT	LC	TX
30	Scratch & Survey Points	SURVEY - UTILITIES - Water - Points - Numbers						
30			Text	***	4	0	0	.080
18	Exist. Vegetation Features w/text	SURVEY - VEGETATION FEATURES (w/text)						
18			Tree drip lines	TREE	8	2	LS	***
18			Hedge rows	HEDGE	8	2	LS	***
18			Bushes	XBUSH	8	2	C	***
18			Trees	XTREE	8	2	C	***
18			Text	***	8	2	0	.100
30	Scratch & Survey Points	SURVEY - VEGETATION FEATURES - Points - Locators						
30			Point "+" Tic	***	8	0	0	***
30	Scratch & Survey Points	SURVEY - VEGETATION FEATURES - Points - Elevations						
30			Text	***	8	0	0	.080
30	Scratch & Survey Points	SURVEY - VEGETATION FEATURES - Points - Numbers						
30			Text	***	8	0	0	.080

V7 Level	V7 Description	V8 Level	V8 Level
9	Proposed Driveway Shading	9	DESIGN - TRANSPORTATION - Driveway Shading
30	Scratch & Survey Points	30	DESIGN - SCRATCH - User One
30			DESIGN - SCRATCH - User Two
30			DESIGN - SCRATCH - User Three
30			DESIGN - SCRATCH - User Four
30			DESIGN - SCRATCH - User Five
31	Proposed Centerline Geometry	31	DESIGN - CENTERLINE - Proposed
32	Proposed Centerline Text	32	DESIGN - CENTERLINE - Proposed Text
33	Proposed Curve Text	33	DESIGN - CENTERLINE - Proposed Curve Text
30			DESIGN - CENTERLINE - Proposed GPK Visualizations
34	Proposed Index Contours (with text)	34	DESIGN - CONTOURS - Index with text
35	Proposed Intermediate Contours	35	DESIGN - CONTOURS - Intermediate with optional text
36	Reserved	36	DESIGN - TRANSPORTATION - Shoulder Lines
37	Proposed Transportation Features	37	DESIGN - TRANSPORTATION - Edge of Traveled Way
38	Prop. Roadside Barriers, level 37 & 39 text	38	DESIGN - TRANSPORTATION - Text
37			DESIGN - TRANSPORTATION - Curb & Gutter & Sidewalk
38			DESIGN - TRANSPORTATION - Roadside Barriers
30			DESIGN - TRANSPORTATION - GR Special Slope Limit Lines
39	Proposed Driveways	39	DESIGN - TRANSPORTATION - Driveways
8			DESIGN - TRANSPORTATION - Scarification Patterning
8			DESIGN - TRANSPORTATION - Scarification Text
41	Proposed Signalization & Lighting	41	DESIGN - TRANSPORTATION - Signalization
42	Level 41 Text	42	DESIGN - TRANSPORTATION - Signalization Text
41			DESIGN - TRANSPORTATION - Signal Poles
41			DESIGN - TRANSPORTATION - Lighting

V7 Level	V7 Description	V8 Level	V8 Level
42			DESIGN - TRANSPORTATION - Lighting Text
43	Proposed Slope Lines	43	DESIGN - ROW - Slope Lines
44	Level 43 Text	44	DESIGN - ROW - Slope Lines Text
45	Proposed R-O-W & Property Lines	45	DESIGN - ROW - Right-of-Way Linework
46	Level 45 Text	46	DESIGN - ROW - Right-of-Way & Easement Labels
47	Proposed R-O-W & Easements Patterning	47	DESIGN - ROW - Easement Linework & Patterning
46			DESIGN - ROW - Right-of-Way Markers
46			DESIGN - ROW - Bearings & Distances
46			DESIGN - ROW - Stations & Offsets
30			DESIGN - ROW - ROW & Easement GPK Visualizations
47			DESIGN - ROW - Loss of Access Patterning
47			DESIGN - ROW - Wetland Mitigation Patterning
48	Proposed Vegetation Features w/Text	48	DESIGN - VEGETATION - Features with text
49	Proposed Bridges & Drainage	49	DESIGN - DRAINAGE - Bridges
49			DESIGN - DRAINAGE - Cross Drains
50	Level 49 Text	50	DESIGN - DRAINAGE - Bridges & Cross Drains Size Text
49			DESIGN - DRAINAGE - Side Drains >= 42" Diameter
49			DESIGN - DRAINAGE - Side Drains < 42" Diameter
49			DESIGN - DRAINAGE - Special Ditches
51	Proposed Storm Drainage	51	DESIGN - DRAINAGE - Storm Sewer
52	Level 51 Text	52	DESIGN - DRAINAGE - Text
53	Proposed Temp. Signs & Traffic Control	53	DESIGN - TRAFFIC CONTROL TEMPORARY - Devices
53			DESIGN - TRAFFIC CONTROL TEMPORARY - Sign Faces & Text
54	Proposed Utilities (Ground & U/G) with text	54	DESIGN - UTILITIES - Electric (underground) with text
54			DESIGN - UTILITIES - Cable (underground) with text

V7 Level	V7 Description	V8 Level	V8 Level
			DESIGN - UTILITIES - Fiber Optics (underground) with text
54			DESIGN - UTILITIES - Telephone (underground) with text
54			DESIGN - UTILITIES - Gas Line with text
54			DESIGN - UTILITIES - Water Line with text
54			DESIGN - UTILITIES - Sanitary Sewer with text
55	Proposed Utilities (Overhead) with text	55	DESIGN - UTILITIES - Electric (overhead) with text
55			DESIGN - UTILITIES - Electric, Telephone, Cable (overhead) with text
			DESIGN - UTILITIES - Fiber Optics (overhead) with text
55			DESIGN - UTILITIES - Telephone (overhead) with text
56	Prop. Perm.Signs & Pavement Marking	56	DESIGN - TRAFFIC CONTROL PERMANENT - Pavement Marking
57	Level 56 Text	57	DESIGN - TRAFFIC CONTROL PERMANENT - Pavement Marking Text
56			DESIGN - TRAFFIC CONTROL PERMANENT - Signs
57			DESIGN - TRAFFIC CONTROL PERMANENT - Signs Text
58	Erosion Control with text	58	DESIGN - EROSION CONTROL - Devices
58			DESIGN - EROSION CONTROL - Devices Text & Legends
59	Shapes for Color Fill	59	DESIGN - PUBLIC HEARING - Shapes
60	Proposed Layout Patterning	60	DESIGN - TRANSPORTATION - Proposed Layout Patterning
61	Sheet Borders	61	DESIGN - SHEET - Linework
62	Sheet Boxes with text	62	DESIGN - SHEET - Corner Text
63	Light Grid for sheets	63	DESIGN - SHEET - Light Grid
30			DESIGN - SHEET - Plot Shape
31	Proposed Profile Geometry		DESIGN - PROFILE - Proposed
32	Text for Level 31		DESIGN - PROFILE - Proposed Text
33	Proposed Vertical Curve Text		DESIGN - PROFILE - Proposed Curve Text
40	Hydraulic Control Data (with text)		

V7 Level	V7 Description	V8 Level	V8 Level
44	Construction Limits (with text)		
49	Proposed Bridges & Drainage		DESIGN - PROFILE DRAINAGE - Bridges, Drains & Ditches
50	Text for Level #49		DESIGN - PROFILE DRAINAGE - Bridges, Drains & Ditches Text
51	Proposed Storm Drainage		DESIGN - PROFILE DRAINAGE - Storm Sewer
52	Text for Level #51		DESIGN - PROFILE DRAINAGE - Storm Sewer Text
60	Patterning		DESIGN - PROFILE - Patterning
			FUNCTIONAL - TOPOGRAPHY - Business Names
			FUNCTIONAL - TRANSPORTATION - Preliminary Edge of Traveled Way
			FUNCTIONAL - TRANSPORTATION - Pavement Patterning
			FUNCTIONAL - TRANSPORTATION - Pavement Marking & Traffic Control
			FUNCTIONAL - ROW - Slope Lines
			FUNCTIONAL - ROW - Right-of-Way
			FUNCTIONAL - ROW - Right-of-Way Text
			FUNCTIONAL - ROW - Right-of-Way Patterning
			FUNCTIONAL - Bridges
			FUNCTIONAL - Bridge Patterning

Level No.	Level Name	Color	Weight	Line Code	Text Size	Contents - Description
1	SURVEY - GROUND - Top of Ground	0	2	3		
2	SURVEY - GROUND - Top of Rock Layer	1	2	2		
3	SURVEY - GROUND - Bottom of Unsuitable Material Layer	11	2	2		Muck Removal
4	SURVEY - GROUND - Bottom of Topsoil Layer	2	2	2		
5	SURVEY - GROUND - Bottom of Rock Layer	1	0	0		For earthwork calculation, not included on sheets
6	level 6					
7	SURVEY - GROUND - Bottom of Pavement Layer	0	2	2		
8	SURVEY - GROUND - Pavement Text	0	2	0	0.100	
9	level 9					
10	level 10					
11	level 11					
12	level 12					
13	level 13					
14	level 14					
15	SURVEY - R.O.W. - Linework	10	4	0		
16	SURVEY - R.O.W. - Text	10	4	0	0.140	
17	level 17					
18	level 18					
19	SURVEY - DRAINAGE - Linework					
19		3	2	3		All pipes & box culverts
19		3	2	3		End treatment: endwalls, concrete aprons, etc.
19		3	2	3		Structures: catchbasins, drop inlets, manholes, etc.
19						
20	SURVEY - DRAINAGE - TEXT					
20		3	10	0	0.200	Bridge limits (cross-sections)
20		3	2	0	0.100	Pipe & box culvert sizes
20		3	2	0	0.100	Inlet & outlet elevations
21	level 21					
22	level 22					
23	level 23					
24	level 24					
25	level 25					
26	level 26					
27	level 27					
28	level 28					
29	DESIGN - EARTHWORK - Shapes					For earthwork calculation, not included on sheets
30	DESIGN - SHEET - Plot Shape	254	0	0		

31	DESIGN - TYPICAL - Finshed Grade & Subgrade	6	4	0		
31		6	4	0		Pavement
31		2	4	0		Subgrade
31		7	4	0		Shoulder
31		18	4	0		Stone
31		8	4	0		Side Slopes & other grass areas
31		1	4	0		Top of Curb & Gutter
31		161	4	0		Bottom of Curb & Gutter
31		1	4	0		Sidewalk
31		1	4	0		Top of Median Barrier
31		161	4	0		Bottom of Median Barrier
31		1	4	0		Retaining Wall
32	DESIGN - TYPICAL - Text					
32		6	10	0	0.200	Station
32		6	10	0	0.200	Elevations, Final cross sections
32		6	4	0	0.140	Offsets, , Final cross sections
32		6	2	0	0.120	Finished grade elevation
32		6	2	0	0.120	Finished Grade Point, Font 94
33	DESIGN - PROFILE - Private Dr. Vertical Curve Text	6	2	0	0.100	
34	DESIGN - TYPICAL - Finished Grade Slopes Text	0	2	0	0.100	Regular Cross Slopes & Side Slopes
35	DESIGN - TYPICAL - Bench Elev. Text	0	2	0	0.100	
36	DESIGN - TYPICAL - Bench Width Text	0	2	0	0.100	
37	DESIGN - TYPICAL - Bench Slope Text	0	2	0	0.100	
37		0	2	0	0.120	Back of Bench Point, Font 94
38	DESIGN - TYPICAL - Side Slope to Bench Text	0	2	0	0.100	
39	DESIGN - TYPICAL - Subgrade Cross Slope Text	2	2	0	0.100	
40	DESIGN - TYPICAL - Subgrade Tie Text	2	2	0	0.100	Offset & Elevation
41	DESIGN - TYPICAL - Guardrail	0	4	0		
42	DESIGN - TYPICAL - Bridge Deck Median Barriers	1	4	0		
43	DESIGN - SURFACE - Bridge Surface Construction Lines					For surface generation, not included on sheets
44	DESIGN - TYPICAL - Slope Tie Text	0	2	0	0.100	Offset & Elevation
45	DESIGN - R.O.W. - Linework	6	4	0		
46	DESIGN - R.O.W. - Text	6	4	0	0.140	
47	DESIGN - TYPICAL - Slope Tie Point	0	2	0	0.120	Font 94
48	level 48					

49	DESIGN - DRAINAGE - Linework					
49		3	2	0		All pipes & box culverts
49		3	2	0		End treatment: endwalls, concrete aprons, etc.
49		3	2	0		Structures: catchbasins, drop inlets, manholes, etc.
49		3	2	0		Special ditches for roadways
49		47	0	0		Rip-Rap, area pattern
49						
50	DESIGN - DRAINAGE - TEXT					
50		3	10	0	0.200	Bridge limits (cross-sections)
50		3	2	0	0.100	Pipe & box culvert drainage data
50		3	2	0	0.100	Inlet & outlet elevations
50		3	2	0	0.100	Special ditch limits
50		3	2	0	0.100	Ditch elevations
51	DESIGN - DRAINAGE - Ditch Bottom Point	3	2	0	0.120	Font 94
52	DESIGN - DRAINAGE - Special Ditch Width Text	3	2	0	0.100	
53	level 53					
54	level 54					
55	level 55					
56	level 56					
57	level 57					
58	level 58					
59	DESIGN - EARTHWORK - Excavation Limit Lines	0	0	0		For earthwork calculation, not included on sheets
60	DESIGN - TYPICAL - Warning Text	0	2	0	0.200	Working, not included on sheets
61	DESIGN - SHEET - Linework					
61		4	4	0		Outside Border
61		4	10	0		Inside Border
61		4	3	0		Heavy grid
62	DESIGN - SHEET - Corner Text	0	2	0	0.100	
62		6	10	0	0.200	Station, working cross sections
62		6	10	0	0.200	Elevations, working cross sections
62		6	4	0	0.140	Offsets, working cross sections
63	DESIGN - SHEET - Light Grid	1	0	1		
63		0	0	0		Global Origin Coordinate note
63		2	1	1		Geopak Cross Section Cell