

North Texas Tollway Authority CAD Guidelines

May 2007



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NTTA CAD Guidelines

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CAD GUIDELINE INTENT

Please read the entire text to ensure your understanding of the CAD requirements. Level lists included in the Appendix are intended to give guidance for level structure consistency across all Consultants. Line symbology has been specified for the most common elements of the plans to provide a consistency in appearance of plans. Where the content of levels is specified but not line symbology, firms may use custom line styles. If a level list is not provided for a necessary base file, firms should separate elements by type onto different levels and provide documented level lists back with each submittal. If a needed type of information has not been specified in a given level list, firms may add the information to a blank level and provide documentation with each submittal. Questions regarding the implementation of the Guidelines may be referred to the NTTA/GEC CAD Coordinator (general contact information to be provided at project kick-off meetings).

CAD GUIDELINES CHANGES

- Revisions to address needs for MicroStation Version 8.

1.0 PURPOSE OF CAD GUIDELINES

The primary purpose of these Computer Aided Design & Drafting (CAD) guidelines is to ensure uniformity in the development of electronic design files, and to provide electronic files with consistent naming structure and content for base files and deliverable sheets. Consultants selected to perform services for the NTTA are required to use these guidelines.

2.0 CAD FILE REQUIREMENTS

The design files shall be MicroStation files utilizing the English system of measure and based on NAD 83 State Plane Coordinate System for the Texas North Central Region.

NTTA requires MicroStation format for delivery of all graphic design files. The consultant is responsible for any translation required to convert non-MicroStation graphic files to MicroStation design file format.

Where the primary scope of design is architectural, consultants may provide Autocad format files for delivery of submittals. The documentation and other CAD Guidelines requirements presented shall apply to Autocad format files and submittals. When AutoCad is used for preparation of electronic submittals, the current AIA CAD layers standards shall govern the naming of levels. In lieu of AIA CAD layer names, consultants will use the level names provided in this Guideline.

2.1 Submittals and Deliverable Files

Consultants are required to submit MicroStation or AutoCad files and Geopak files with each submission to the NTTA. All submittals will be reviewed to ensure compliance with the Guidelines. File naming, level naming and directory structure requirements are outlined in Section 3 of this document. Drawing format requirements are outlined in Section 4 of this document.

Required GEOPAK deliverables:

One GPK file should be delivered with all alignments & profiles for the extent of the project. All information not used should be removed from the GPK file. The naming convention for the GEOPAK elements should follow the alignment designation as closely as possible as shown below:

Example: Baseline Ramp A – RMPA
 Prop Profile Ramp A – RMPAPR
 Exist Profile Ramp A – RMPAEX

Additional files that will be required include: an existing Geopak DTM TIN with all survey information incorporated, a proposed Geopak DTM TIN based on the final cross sections & all Geopak cross section files including all shape files. When identified in

Contract, Consultants shall prepare a three dimensional earthwork model for use by Contractor with automated grading equipment.

2.2 Global Origin

NOTE: This value is the correct value to keyin to set the global origin. If MicroStation is queried with the command, GO=\$, the values returned will have the opposite signs.

Global Origin (2D) = 0, 0

Global Origin (3D) = 0, 0, 0

Note: This is the same global origin used by Texas Department of Transportation (TxDOT). This will provide a common basis in plan production whenever both agencies are involved in a particular project.

SURFACE ADJUSTMENT FACTORS

<u>County</u>	<u>Surface</u>	<u>Grid</u>
Collin	1.000152710	0.999847313
Dallas	1.000136506	0.999863513
Denton	1.000150630	0.999849393
Tarrant	1.000120000	0.999880014

All files are to be prepared using surface coordinate systems in U.S. survey feet.

2.3 Units

The MicroStation units definition file published by TxDOT shall be used to establish standard unit ratios for working units in a design file. This file is also used to define NTTA's default working units and measurement to survey feet. The design files units will be labeled 'ft' for feet and 'tn' for tenths. This file must be used along with NTTA's standard seed file or an equivalent seed file to properly establish the correct working environment.

Note that the standard feet unit definition is removed from the TxDOT unit definition file.

2.4 Borders and Title Blocks

Borders used for deliverable sheet assembly should be drawn at a 1":1' scale for use with all sheets for attachment. Refer to Appendix A for an example of the desired border and an example title/cover sheet to be used for deliverable sheets.

2.5 Reference Files

Reference files should be attached to a sheet file with the “coincident” option when possible. Reference file attachments not necessary shall be removed from the sheet file. Nested reference file attachments may be used where appropriate.

All drawing elements not used for drawing preparation or out dated drawing elements shall be removed from reference files prior to submittal.

3.0 FILE NAMING CONVENTION AND DIRECTORY STRUCTURE

A file naming convention and directory structure has been established to maintain consistency and track projects. Use of this file naming convention allows all users to readily identify a file and its contents. File names will generally be eight (8) characters with a three-character extension but may be lengthened as deemed necessary by the consultant and with prior approval by the NTTA/GEC CAD Coordinator. File names will use both alpha and numeric characters; no special characters or spaces will be allowed due to the limitations of some computer software.

Base files refer to drawings containing graphics in project coordinates drawn at full size; sheet files refer to deliverable sheets and roll sheets represent drawings contained within a sheet border. The file name will depend on whether the active design file is a project base file, a deliverable sheet file, or a schematic design file.

Graphics files not needed for the preparation of the deliverable drawings shall not be included in the Project Base files and Sheet files directory structure. These files, if deemed necessary or useful to the NTTA by the consultant shall be segregated from the Base files and Sheet files directories.

3.1 Project Base Files

The project base files are files created for each project section. Each file is identified using a one-character Facility Code, a two-digit Section Code, a one-character Sequence Code, and an abbreviated file type name. The Facility Code describes one of the NTTA’s facilities, or roadways. The Section Code identifies what section of the facility. The Sequence Code identifies what project this is for that particular section. For example, new/initial construction would be project “a” but a ramp added to that section several years later would be project “b”. The File Type is a description of what is shown in the file. These codes are detailed in Tables 3 and 4 in Appendix B covering roadway and structural base files.

\$@@%CCCC.ext

\$	Facility Code (Appendix B; Table 1)
@@	Section Code (Appendix B; Table 2)
%	Sequence Code (Appendix B; Table 1)
CCCC	File Type abbreviation (Appendix B; Tables 3 and 4)

.ext Program file extension

For example, b21aTOPO.dgn would be recognized as:

b President George Bush Turnpike
21 Section "XXI"
a "a" represents initial construction occurrence within section XXI of
 PGBT
TOPO Existing topographic information
.dgn MicroStation drawing file extension

and d03bCENT.DGN would be recognized as

d Dallas North Tollway
03 Section III
b "b" represents subsequent construction to the initial construction
 within Section III of DNT
CENT Proposed centerline and baselines
.dgn MicroStation drawing file extension

File naming for schematics will be identical to described file naming with the exception that the 2nd, 3rd, and 4th characters of the file naming structure will be replaced with a 3-character schematic identifier. The first character will be the Facility Code. The second character will be "s" to represent schematics. The third character will represent the segment or section number. The fourth character will represent the alternative number. For example, ls01PAVE.dgn would be recognized as

l Lewisville Lake Bridge
s Schematic Identifier
0 Segment/Section Number
1 Alternative Number
PAVE Pave Plan
.dgn MicroStation drawing file extension

In the absence of established roadway sections to aid in file naming, the 3-character schematic sequence identifier will be assigned and defined as needed.

3.2 Deliverable Sheet Files

Deliverable sheets are the final sheets produced for the project. Each deliverable sheet will contain the drawing file name located outside the top right corner of the border frame and on the left margin (refer to Appendix A for example border sheets). Each Sheet shall be an individual file.

Since deliverable sheets may be located under various sub-directories, the file name is important to uniquely identify the drawing as well as minimize file name duplication. As in the base file names, each file will begin with the Facility Code, followed by a Section Code

and Sequence Code. The fifth and sixth characters will represent the Discipline and Type Code of the drawing (Appendix B). The seventh and eighth character positions are used for sheet number counting. File names may be lengthened as deemed necessary by the consultant with prior approval by the NTTA/GEC CAD Coordinator.

Deliverable sheet files will be created using the following naming convention:

\$@@%CD##.ext

\$	Facility Code (Appendix B; Table 1)
@@	Section Code (Appendix B; Table 2)
%	Sequence Code (Appendix B; Table 1)
C	Discipline Code (Appendix B; Table 5)
D	Type code (Appendix B; Table 6)
##	Sheet number (01...02...03...04...)
.ext	Program file extension

for example, b26aPP02.dgn would be recognized as:

b	President George Bush Turnpike
26	Section "XXVI"
a	"a" represents the initial construction occurrence within section XXVI of the PGBT
P	Paving (Discipline)
P	Plan (Type)
02	Sheet designation
.dgn	MicroStation drawing file extension

and ls01PP02.dgn would be recognized as:

l	Lewisville Lake Bridge and Approach Roadway
s	Schematic Identifier
0	Section Number/Consultant
1	Alternative Number
PP	Plan and Profile Sheet
02	Roll Sheet number 2
.dgn	MicroStation drawing file extension

In the absence of established roadway sections to aid in file naming, the 3-character schematic sequence identifier will be assigned and defined as needed.

A MicroStation design file now has the capability to have base files and sheet files within a single file. While this is a powerful feature, use should be limited. Deliverable sheet files are to be individual files.

3.3 Main Lane and Ramp Plaza Facilities

Main lane and ramp plaza facilities will use a separate sequence code to differentiate file naming from roadway facilities. The sequence code will be a “p” or an “r” respectively.

An example of the deliverable sheet file naming convention:

\$@@%CD##.ext

where:

\$	Facility Code (Appendix B; Table 1)
@@	Section Code (Appendix B; Table 2)
%	Sequence Code for Plaza facility (Appendix B; Table 1)
C	Discipline Code (Appendix B; Table 5)
D	Type Code (Appendix B; Table 6)
##	Sheet number (01...02...03...04...)
.ext	Program file extension

3.4 Project Directory Structure

Parent directories and sub-directories will be created for each project, and submittals shall follow the structure outlined below. The parent directory will consist of the contract number and a short project description (e.g. DNT362-MLP2Widening) and all remaining files will be organized in sub-directories. An example of the required sub-directory structure is:

```
DNT362-MLP2Widening
  \ Base
  \ Sheets
    \ Paving
    \ Drainage
    \ additional sub-directories as needed
  \ Images
  \ Geopak
    \ additional sub-directories as needed
  \ ProjectDocumentation
    \ SurveyMonuments
    \ DrawingLists
    \ DesignData
    \ additional sub-directories as needed
  \ Calcs
  \ Data
  \ Plotting
  \ Symb
```

These sub-directories typically contain the following types of files.

- The Base sub-directory includes all project base files and GeoPak and MicroStation design files used for the preparation of any Sheet files.
- The Sheets sub-directory includes all deliverable sheets. If the project is large this should be further subdivided into disciplines (paving, drainage, bridges, utilities, etc.).
- The Images sub-directory contains photos and images prepared with non-CAD software.
- The Geopak sub-directory contains alignment and data files required for proper use of Geopak software.
- ProjectDocumentation files will consist of technical project items such as level lists, explanation of the file naming convention, design software data sets, etc. This can further subdivided into categories appropriate for the project.
- The Calcs sub-directory is reserved for any pertinent calculations.
- The Plotting sub-directory will contain plot settings, plot resource files, etc.
- The Data sub-directory will contain data files used by MicroStation.
- The Symb sub-directory will contain symbology resource files. Resource files required for the proper display of deliverable files not provided by the NTTA shall be included with all submittals.

Submittals not conforming to the directory structure will be rejected. Directories and sub-directories not used for the submittal shall not be included.

3.5 Level naming

The design work prepared for the NTTA will generally follow TxDOT standards and procedures. Level content will generally follow the established level schemes from previous CAD Guidelines. Level name lists have been updated and provided in Appendix B.

To avoid conflicts, level names will follow tables in the appendix where practical. Additionally, level numbers will follow the numbering sequence below:

Number	Name / Description
1-63	V7_1 to V7_63 (Previous MicroStation information)
100-499	Border, General and Sheet file levels
500-999	Existing Topography Levels / Survey data
1000-1999	Centerline / Baseline and Geometric Levels
2000-2999	Proposed Paving Levels
3000-3999	Proposed Drainage Levels

4000-4999	Bridge / Structural Levels
5000-5999	Existing / Proposed ROW Levels
6000-6999	Signalization Plans
7000-7999	Existing / Proposed Pavement Marking Levels
8000-8999	Existing / Proposed Utilities
9000-9999	Construction Sequence / Traffic Control Levels
10000-10999	Illumination Plans
11000-11999	Landscaping / Irrigation Levels
12000-12999	Grading Levels
13000-13999	Geotechnical Levels
14000-14999	SW3P Levels
15000-15999	Removal Plans
16000-16999	Cross Sections (typical sections, earthwork)
17000-17999	Profiles (Roadway, Drainage, Bridge and Retaining Wall)

Providing level schemes in a CSV (comma delimited format) file for each base file will be required for all submittals (refer to section 3.5). Unused levels are not to be included in the lists provided for each base file.

3.6 Documentation

Documentation will be required in conjunction with all MicroStation, AutoCad and Geopak files submitted for formal review. The documentation for MicroStation and AutoCad will include a complete drawing file list containing the drawing file name, a brief description of the drawing, and the intended plotting scale. An example drawing file list form is provided in Appendix A. Drawing file lists shall be presented in Microsoft Excel format and shall be inclusive for every drawing file submitted.

In addition to the drawing file list, a file level list will be included for all base files submitted. The level list will be in the format similar to those shown in Appendix B. **The level list specified in Appendix B should be followed to the maximum extent practical.** For all base files not included in Appendix B, it will be the responsibility of the Design Engineer to document the assigned levels, separating each type of information onto different levels. Each base file drawing must be provided with a complete level list for all graphics contained within the file. Deliverable sheet level lists may be grouped to represent multiple sheets within any one discipline with the same graphic level usage.

Every set of deliverable sheet files shall be documented to provide all the necessary information required to assemble the sheets for final plotting. Information for each reference file used will include the file name and all levels displayed. If level symbology is used for plotting it must also be documented. This information may be documented in a matrix format. Any drawing utilizing shading and/or screening will also require an explanation describing how this is accomplished in the same matrix.

3.7 Electronic Submittals

The Consultant shall provide, as an end product, reproducible plots as required by the contract to be used as construction plans. Additionally, MicroStation and AutoCad graphics files and Geopak data files that can be used by the NTTA or its representative without conversion or modification shall be furnished on a labeled CD-ROM and submitted to the NTTA with complete documentation in accordance with the guidelines provided in this document. Both the CD-ROM and the CD-ROM case shall be labeled as outlined below. All digital media that contains files for submittal shall be scanned for viruses. This requirement includes all files received from sources within and outside of the NTTA.

Media shall be labeled with a fine point, black, permanent marker. Do not use any type of self-adhesive labels.

Include on all media the following:

Facility name
NTTA project number and description
Submission date
Submission description
Disk number and sequence (if applicable)

Provide media cover (jewel case) labels that include the following:

Facility name
NTTA project number and description
Contractor name, contact name and telephone number
Date of submittal
Submission description
Description of contents
Disk number and sequence (if applicable)

Deliverable Preparation

All drawing and data files shall be submitted to NTTA on CD or single session data DVD. All files shall be free of viruses using the latest version of virus cleaning and scanning software. Drawings shall be documented with a list of drawing numbers, file names, and drawing titles as shown in the appendix. Geopak files shall be documented to provide an acceptable format to detail alignments and supporting data. Drawing lists and Geopak documentation shall be provided on submitted media with each submission electronically in Microsoft Excel format on the submittal media.

Prior to submission all drawing files shall be checked as follows:

All filenames comply
Verify that all entities outside the drawing limits are deleted.
Ensure that all cells, levels, attributes, etc not referenced in the drawing are purged.
Verify that all references are attached without drive or directory specifications.
Scan all files for viruses.
All level names comply with the NTTA CAD Level Guidelines

All Text styles comply
 All linetypes comply
 All Dimension Styles comply

4.0 **DRAWING FORMAT**

4.1 **Fonts and Text Size**

The font resource file NTTA_FONT.RSC will be used on all NTTA projects. This resource file will be provided to consultants. It contains font NTTA09, font NTTA51 and font NTTA53.

Font NTTA51, a proportionally-spaced font and font NTTA09 a News_Gothic font, are the assigned fonts on all text. Font NTTA53, a fixed-pitch font, shall be used where appropriate for table text. Font NTTA51 is the preferred text font for all text.

All text sizes should be based on the height of the text plotted on a full size plan sheet (22" x 34"). The table below summarizes the desired text size and weight for general text types.

AutoCad drawings shall use similar fonts as required for MicroStation.

Text Size/Weight Requirements

Text Type	Plotted Text Size		Text Weight
	Full Size Sheets (22"x34")	Half Size Sheets (11"x17")	
Callouts, Notes, Dimensioning, Labeling, etc.	0.120"	0.060"	1
Sub Title Text	0.175"	0.0875"	2
Main Title Text			
Single line title	0.240"	0.120"	3
Multiple line title	0.200"	0.100"	3

4.2 **Linestyles**

The line style resource files provided may be used by consultants. These resource files contain numerous line styles that will be used in lieu of linear patterning with cells. Linear patterning shall not be used. Resource files required for the proper display of deliverable files not provided by the NTTA shall be included with all submittals.

4.3 Cell Libraries

Cells may be used on files as needed. A specific cell library has not been provided at this time.

4.4 Pen Tables and Color Tables

Standard pen tables and color tables reflecting desired weights will be provided by the NTTA/GEC CAD Coordinator upon request. Generally, the default MicroStation color table is to be used for all monochrome drawings.

All topographic lines should be plotted using a dotted or screened line. Line styles and weights should follow the requirements shown in Appendix A.

4.5 Plot drivers

Plot drivers conforming to these guidelines will be made available.


APPENDIX A

Example Title/Cover Sheet	A-1
Example Border Sheet	A-2
Example Line Weights And Styles	A-3
Example File/Drawing List	A-4

Appendix A-3
Example Line Weights And Styles

Code	Line Style	Line/Gap pattern	Line Weight	Line Width
12		0.009 - (0.005,0.02)	
11		0.015 - (0.003,0.03)	
10		0.008 - (0.002,0.03)	
9		0.050	
8		0.045	
7	(0.6,0.04,0.04,0.04,0.04,0.04)	0.040	
6	(0.3,0.04,0.04,0.04,0.04,0.04)	0.035	
5	(0.2,0.0125,0.025,0.0125)	0.030	
4	(0.2,0.04,0.04,0.04)	0.025	
3	(0.25,0.0313)	0.020	
2	(0.0625,0.05)	0.015	
1	(0.025,0.0125)	0.010	
0	0	0.005	

Appendix A-4 Example File/Drawing List

 NORTH TEXAS TOLLWAY AUTHORITY DNT Phase 3C - Section XII-N SB Service Road				90% SUBMITTAL
INDEX OF DRAWINGS				
Sheet #	Description	Scale	Filename	Comments
1	Proposed Small Sign Summary Dallas North Tollway Sheet 1 of 2	1"=100'	d12srsq01.dgn	
2	Proposed Small Sign Summary Dallas North Tollway Sheet 2 of 2	1"=100'	d12srsq02.dgn	
3	Quantity Summaries Signing , Striping & Delineation Sheet _ of _	1"=100'	d12srpq01.dgn	
4	Signing and Pavement Marking Plan DNT STA 1455+00 to 1467+00 Sheet 1 of 16	1"=100'	d12srsp01.dgn	
5	Signing and Pavement Marking Plan DNT STA 1467+00 to 1479+00 Sheet 2 of 16	1"=100'	d12srsp02.dgn	
6	Signing and Pavement Marking Plan DNT STA 1479+00 to 1491+00 Sheet 3 of 16	1"=100'	d12srsp03.dgn	
7	Signing and Pavement Marking Plan DNT STA 1491+00 To 1503+00 Sheet 4 of 16	1"=100'	d12srsp04.dgn	
8	Signing and Pavement Marking Plan DNT STA 1503+00 To 1515+00 Sheet 5 of 16	1"=100'	d12srsp05.dgn	
9	Signing and Pavement Marking Plan DNT STA 1515+00 To 1526+00 Sheet 6 of 16	1"=100'	d12srsp06.dgn	
10	Signing and Pavement Marking Plan DNT STA 1526+00 To 1537+00 Sheet 7 of 16	1"=100'	d12srso07.dgn	
11	Signing and Pavement Marking Plan DNT STA 1537+00 To 1549+00 Sheet 8 of 16	1"=100'	d12srsp08.dgn	
12	Signing and Pavement Marking Plan DNT STA 1549+00 To 1561+00 Sheet 9 of 16	1"=100'	d12srap09.dgn	
13	Signing and Pavement Marking Plan DNT STA 1561+00 To 1573+00 Sheet 10 of 16	1"=100'	d12srsp10.dgn	
14	Signing and Pavement Marking Plan DNT STA 1573+00 To 1585+00 Sheet 11 of 16	1"=100'	d12srsp11.dgn	
15	Signing and Pavement Marking Plan DNT STA 1585+00 To 1596+00 Sheet 12 of 16	1"=100'	d12srsp12.dgn	
16	Signing and Pavement Marking Plan DNT STA 1596+00 To 1607+50 Sheet 13 of 16	1"=100'	d12srsp13.dgn	
17	Signing and Pavement Marking Plan DNT STA 1607+50 To 1619+00 Sheet 14 of 16	1"=100'	d12srsp14.dgn	
18	Signing and Pavement Marking Plan DNT STA 1619+00 To 1631+00 Sheet 15 of 16	1"=100'	d12srsp15.dgn	
19	Signing and Pavement Marking Plan DNT STA 1631+00 To 1641+09.11 Sheet 16 of 16	1"=100'	d12srsp16.dgn	
20	Typical Sign Requirements TSR (4)	N/A	TSR(4).dgn	

Note: Merged cells shall not be used.

APPENDIX B

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Master Level List	B-11

Appendix B-1

Table 1 – Facility Codes:

Table 1	
Facility Codes and Sequence Codes	
Facility Code	Facility Description
d	Dallas North Tollway
b	President George Bush Turnpike
a	Addison Airport Toll Tunnel
m	Mountain Creek Lake Bridge
c	SH 121 T – Collin County
t	SH 121 T – Tarrant County (SW Parkway)
r	Trinity Parkway
l	Lake Lewisville Bridge
Sequence Code	Sequence Description
a	Initial construction
b	Subsequent or second phase construction
c	Renovation / Maintenance work
p	Main Lane Plaza
r	Ramp Plaza

Appendix B-2

Table 2a – Section Codes by Facility:

Table 2a Section Codes by Facility							
Original Construction		From	To	From Station	To Station	Section Code	Phase or Segment
Contract	Section						
Dallas North Tollway - DNT							
DNT - 25	I	DNT South End Terminal @	Beclaire (S. of Mockingbird)	149+00	149+00	1*	
DNT - 27		I-35 Ramps					
DNT - 26	II	Wichita St.	S of Oaklawn	-3+00	45+00	2*	
DNT - 28	III	Beclaire (S. of Mockingbird)	S. of Chatham Rd. (N. of NW Hwy)	149+00	289+00	3	
DNT - 29	III, IV	S. of Chatham Rd. (N. of NW Hwy)	Harvest Hill (S. of IH 635)	289+00	489+00	4	
DNT - 113	V	Harvest Hill (S. of IH 635)	N. of Spring Valley Rd.	489+00	567+50	5	
DNT - 114	VI	N. of Spring Valley Rd.	Just N. of SL & SW RR (S of MLP 2)	567+50	638+50	6	
DNT - 115	VII	Just N. of SL & SW RR (S of MLP 2)	Dallas County Line	638+50	740+00	7	
DNT - 116	VIII	Dallas County Line	FM 544/Park Blvd	740+00	890+00	8	
DNT - 184	IX	FM 544/Park Blvd	Windhaven Pkwy	890+00	987+00	9	
DNT - 185	X	Windhaven Pkwy	S. of DNT/SH121 (Near Legacy)	987+00	1080+00	10	
		S. of DNT/SH121 (Near Legacy)	Gaylord Pkwy	1080+00	1155+00		
DNT - 463	XI-S	Gaylord Pkwy	John Hickman Rd	1155+00	1224+00	11S	3
DNT - 464	XI-N	John Hickman Rd	South of Cotton Gin Road	1224+00	1332+00	11N	3
DNT - 465	XII-S	South of Cotton Gin Road	North of FM2934 (El Dorado Pkwy.)	1332+00	1471+00	12S	3
DNT - 466	XII-N	North of FM2934 (El Dorado Pkwy.)	US 380	1471+00	1615+00	12N	3
Addison Airport Toll Tunnel - AATT							
DNT - XXX	XIII					13	
* DNT Section I was constructed under contracts DNT 25 and DNT 27. This Section includes IH-35 ramps at South Terminal of Dallas North Tollway							
** DNT Section II was constructed under contract DNT 26. This Section begins at Wichita Street north on McKinnon Street to just south of Oaklawn Ave.							

Appendix B-3

Table 2b – Section Codes by Facility:

Table 2b Section Codes by Facility							
Original Construction		From	To	From Station	To Station	Section Code	Phase or Segment
Contract	Section						
President George Bush Turnpike - PGBT							
DNT-274	XIV	E. of Midway	W. of Preston	338+00	466+00	14	1
DNT-293	XV	Preston	Coit	466+00	568+00	15	1
DNT-314	XVI	Coit	Independence	568+00		16	1
DNT-314	XVIII	Independence	W. of Alma		815+00	17	1
CSJ-2964-09-07	TxDOT	W of Alma	E Plano Rd				1
DNT-316	XVIII	E Plano Rd	W. Shiloh Rd (SB)	815+00	917+50	18	2
DNT-319	XIX	W. Shiloh Rd (SB)	W. Brand Rd.	917+50	978+00	19	2
DNT - 320	XIXA	Holford, Big Springs, N Garland Rd Bridges				19A	2
CSJ-2964-06-03	TxDOT	Brand	US 78				2
DNT-322	XX	Frankford Rd	E of Midway	237+00	338+00	20	3
DNT-323	XXI	Josey	Frankford Rd	127+00	237+00	21	3
DNT-324	XXII	Dickerson	Josey	51+00	127+00	22	3
DNT-331	XXIII	IH 35E	Dickerson	1340+00	51+00	23A	4
CSJ-2964-03-002	TxDOT	E of I35 Interchg.	Dickerson		51+00	23	4
DNT-332	XXIV	Beltline	IH 35E			24	4
DNT-334	XXV	Valley View	Beltline			25	4
DNT-335	XXV South	IH 635	Valley View			25S	4
	XXVI	N of SH 114				26	5
DNT-346	XXVII	Beltline	Las Colinas			27	5
CSJ-2964-01-015	TxDOT	S of LBJ	N of LBJ				5
CSJ-2964-06-009	XXVIII	SH 78	S of Miles Road	1106+80	1257+00	28	6
CSJ-2964-06-009	XXIX	S of Miles Road	S of Mainlane Plaza	1257+00	1352+00	29	6
CSJ-2964-06-009	XXX	S of Mainlane Plaza	S of SH 66 / Lakeview Pkwy	1352+00	1497+00	30	6
CSJ-2964-06-010	XXXI	S of SH 66 / Lakeview Pkwy	S of Miller Road	1497+00	1556+00	31	6
CSJ-2964-06-010	XXXII	S of Miller Road	IH 30	1556+00	1651+20	32	6
Lewisville Lake Toll Bridge - LLTB							
DNT-439	I	IH 35E	Begin NTTA Toll Bridge	13+16	68+00	1	
	II	Begin NTTA Toll Bridge	End NTTA Toll Bridge	68+00	175+75	2	
DNT-430	III	End NTTA Toll Bridge	FM 720 (West)	175+75	290+00	3	
	IV	FM 720 (West)	Begin TxDOT Bridge			4	
	V	Begin TxDOT Bridge	End TxDOT Bridge			5	
	VI	End TxDOT Bridge	FM 720 (East)			6	
	VII	FM 720 (East)	FM 423			7	
	VIII	FM 423	Dallas North Tollway (Extension)			8	
Southwest Parkway							

Appendix B-4

Table 3 – Roadway Base File Naming Convention:

Table 3 Roadway Base File Naming Convention	
File Name	Description
\$%BDR	Cut Sheet Border
\$@@%AMEN	Amenities
\$@@%BMRK	Bench Marks
\$@@%BPRF	Bridge Profiles
\$@@%C???	Construction Sequence: ??? Refers to Stage, Step, and Substep
\$@@%CENT	Centerline & Baseline
\$@@%CONT	Existing Contours
\$@@%DPRF	Drainage Profile
\$@@%DRNG	Drainage
\$@@%EROW	Existing Right of Way
\$@@%EUTI	Existing Utilities
\$@@%GEOM	Geometric/Horizontal Control
\$@@%GEOT	Soils and Boring
\$@@%GRAD	Grading
\$@@%LGND	Legend
\$@@%LITE	Lighting
\$@@%LSCP	Landscaping
\$@@%PALT	Alternative Pavement Edges/Paving
\$@@%PAVE	Pavement Edges/Paving
\$@@%PMRK	Signing and Striping
\$@@%POLY	Polygon/Sheet Limits for Plans
\$@@%PPRF	Paving Profile
\$@@%PROF	Profile
\$@@%PROW	Proposed Right of Way
\$@@%PUTI	Proposed Utilities
\$@@%QUAN	Quantity Tables
\$@@%REMV	Removals
\$@@%SGNL	Signalization
\$@@%SHAP	Shapes
\$@@%SW3P	Stormwater Pollution Prevention Plan
\$@@%TCP#	# Refers to Sheet Sequence
\$@@%TOPO	Existing Topography (without contours)
\$@@%TSEC	Typical Sections
\$@@%WALL	Retaining Walls
\$@@%WPRF	Wall Profile
\$@@%XSEC	Cross Sections
\$	<i>Refers to the Specific NTTA Facility</i>
@@	<i>Refers to Section Number</i>
%	<i>Refers to the Sequence Code</i>

Appendix B-5

Table 4 – Structural Base File Naming Convention:

Table 4 Structural Base File Naming Convention	
File Name	Description
\$@@%AGRT	Layout - Plan View & Text
\$@@%BGRT	Foundation (Footing & Drilled Shafts) - Plan View & Text
\$@@%FGRT	Framing (Centerlines & Beam Segments) - Plan View & Text
\$@@%PGRT	Superstructure (Deck Plans & Reinforcing) - Plan View & Text
\$@@%SGRT	Substructure (Bents & Abutments) - Plan View & Text
\$@@%BENT	Overall Bent Location Plan
\$@@%BPOL	Draftworks Polygons (? = A - Layout, F - Framing, P-Superstructure)
\$@@%AB00	Detail Matrix & Elevation View for layout sheets (This file has 2 level struc.)
\$@@%??00	Detail Matrix: ?? Refers to Discipline/Type
\$	<i>Refers to the Specific NTTA Facility</i>
@@	<i>Refers to Section Number</i>
%	<i>Refers to the Sequence Code</i>

Appendix B-6

Table 5 – Deliverable Sheet Naming Convention

Discipline Codes:

Table 5 Deliverable Sheet Naming Convention Discipline Codes	
File Name	Description
A	Amenities
B	Bridge
C	Construction Sequence
D	Drainage
E	Environmental/SW3P
F	Foundation/Footing
G	Geotechnical
H	Horizontal Plans
J	Segmental Superstructure
K	Bents
L	Lighting
M	Framing
N	Noise Walls/Fence
O	ROW
P	Paving/Roadway/Driveways
Q	Quantity Summary
R	Removals
S	Signing/Striping
T	Traffic Signals
U	Utilities
V	Abutments
W	Retaining Walls
X	Cross-Sections
Y	Prestressed Beam Superstructure
Z	Prestressed Box Superstructure

Appendix B-7

Table 6 – Deliverable Sheet Naming Convention

Type Codes:

Table 6 Deliverable Sheet Naming Convention Type Codes	
File Name	Description
A	Top Slab
B	Bottom Slab
C	Contours
D	Details
E	Elevation
F	
G	Legend
H	Erection Elevations
J	Diagrammatic Layouts
K	
L	Layouts
M	Area Map
N	
O	
P	Plans (can include plan and profile)
Q	Quantities
R	Headwall/Wingwall
S	Typical Sections
T	Tabulations
U	Miscellaneous
V	Vertical/Profiles
W	Web Elevations
X	Cross-Sections
Y	
Z	

Appendix B-11
Master Level List:

	Level Name	Number	Description
100-499	BDR	100	Border, General and Sheet file levels
100-499	BDR_Title Block	102	Title Block
100-499	BDR_Plot Boundary	104	Plot Boundary
100-499	BDR_Logo	106	Logo
100-499	BDR_Consultant Logo	108	Consultant Logo
100-499	BDR_Titleblock Text	110	Titleblock Text
100-499	BDR_File Data Stamp	112	Filename/Date Stamp
100-499	BDR_Facility Name	120	Facility Name
100-499	BDR_Bar scale _ Vertical	140	Bar scale - Vertical
100-499	BDR_Bar scale _ Horizontal	142	Bar scale - Horizontal
100-499	BDR_Plan Profile Grid 1	150	Border grid major axis
100-499	BDR_Plan Profile Grid 2	151	Border grid for minor axis
100-499	SHT_Annot_1	200	Sheet Annotation
100-499	SHT_Annot_2	202	Sheet Annotation
100-499	SHT_Detail_1	204	Sheet Details
100-499	SHT_Detail_2	206	Sheet Details
100-499	SHT_Dimensions	208	Sheet Dimensions
500-999	TP	500	Existing Topography Levels / Survey data
500-999	TP_Ctrl	502	Control points
500-999	TP_Ctrl_Bmrk	504	Control points: benchmarks
500-999	TP_Ctrl_Grid	506	Control points: grid mark
500-999	TP_Ctrl_Hcpt	508	Control points: horizontal
500-999	TP_Ctrl_Hvpt	510	Control points: horizontal / vertical
500-999	TP_Ctrl_Pnpt	512	Control points: panel points
500-999	TP_Ctrl_Trav	514	Control points: traverse
500-999	TP_Ctrl_Vcpt	516	Control points: vertical
500-999	TP_Bldg	518	Building and Primary structures
500-999	TP_Bldg_Deck	520	Building and Primary structures:outdoor decks (attached, no roofoverhead)
500-999	TP_Bldg_Outline	522	Buildings and primary structures:outline
500-999	TP_Bldg_0vhd	524	Buildings and primary structures:Overhead (overhang)
500-999	TP_Bldg_Slab	526	Slab or Ruins
500-999	TP_Fence_Other	528	Fence-Other
500-999	TP_Fence_Barbed	530	Fence-Barbed
500-999	TP_Fence_ChLink	532	Fence-ChLink
500-999	TP_Fence_Elec	534	Fence-Elec
500-999	TP_Fence_Field	536	Fence-Field
500-999	TP_Fence_Iron	538	Fence-Iron
500-999	TP_Fence_Metal	540	Fence-Metal
500-999	TP_Fence_Privacy	542	TP-Fence-Privacy
500-999	TP_Fence_Woven	544	Fence-Woven
500-999	TP_Fence_Stone	546	Fence-Stone
500-999	TP_Fence_Wood	548	Fence-Wood
500-999	TP_Signs	550	Roadway Sign
500-999	TP_Billboard	551	Commercial Sign

	Level Name	Number	Description
500-999	TP_Billboards_pt	552	Commercial Sign point
500-999	TP_Billboards_linear	553	Commercial Sign linear
500-999	TP_Tower_Elec	554	Electric Transmission Tower
500-999	TP_Tower_Radio	556	Radio, TV Towers
500-999	TP_Lights	558	Lights
500-999	TP_Pole	560	Poles
500-999	TP_Flagpole	561	Flagpoles
500-999	TP_Mailbox	562	Mailbox
500-999	TP_Tanks	563	Tanks
500-999	TP_Misc_Feature	564	Miscellaneous features
500-999	TP_Traffic_Signal_Equip	566	Traffic Signal Equipment
500-999	TP_Pool	568	Pool
500-999	TP_Dock	570	Navigable channels: decks, docks, floats, piers
500-999	TP_Water	572	Water body
500-999	TP_Swamp	574	Swamp Outline
500-999	TP_River	576	River
500-999	TP_River_Bot	578	River: bottom
500-999	TP_River_Cent	580	River: centerline
500-999	TP_River_Edge	582	River: edge
500-999	TP_River_TOB	584	River: top of bank
500-999	TP_Channel	586	Navigable channels
500-999	TP_Channel_Cent	588	Navigable channels: channel centerline
500-999	TP_Channel_NAID	590	Navigable channels: navigation aids
500-999	TP_Ditch	592	Ditches or washes
500-999	TP_Ditch_Bot	594	Ditches or washes: bottom
500-999	TP_Ditch_Cent	596	Ditches or washes: centerline
500-999	TP_Ditch_Edge	598	Ditches or washes: edge of water
500-999	TP_Ditch_TOB	600	Ditches or washes: top
500-999	TP_Wetland_Boundary	602	Wetland_Boundary
500-999	TP_Vegetation	604	Existing tree, bush or shrub, stump symbol and associated vegetation text
500-999	TP_Landscape_Area	606	Grass/Landscape Area
500-999	TP_Vegetation Text	608	Existing tree diameter dimensions/text
500-999	TP_Woods and Brush	610	Existing areas of woods and brush outline
500-999	TP_Orchard or Nursery Line	612	Existing outline of an orchard or nursery
500-999	TP_Vegetation Line	614	Existing edge of areas of planted vegetation
500-999	TP_Obscure_Areas	616	Obscured areas-aerial topography
500-999	TP_Guardrail	618	Guardrails
500-999	TP_Bridge	620	Bridge
500-999	TP_Bridge_Cent	622	Bridge: centerline
500-999	TP_Bridge_Abut	624	Bridge: abutment
500-999	TP_Bridge_Bent	626	Bridge: bent
500-999	TP_Bridge_Ctrljt	628	Bridge: control joint
500-999	TP_Bridge_Deck	630	Bridge: top of deck
500-999	TP_Bridge_Rail	632	Bridge: railing
500-999	TP_Bridge_Ftng	634	Bridge: footing
500-999	TP_Bridge_Riprap	636	Bridge: Concrete Riprap
500-999	TP_Bridge_Aerial	638	Bridge: aerial
500-999	TP_Drvwy	640	Driveways

	Level Name	Number	Description
500-999	TP_Drvwy_Cent	642	Driveways: centerline
500-999	TP_Drvwy_Asph	644	Driveways: asphalt surface
500-999	TP_Drvwy_Conc	646	Driveways: concrete surface
500-999	TP_Drvwy_Grvl	648	Driveways: gravel surface
500-999	TP_Drvwy_Unpaved	650	Driveways: unpaved surface
500-999	TP_Pkng	652	Parking lots
500-999	TP_Pkng_Cent	654	Parking lots: centerline
500-999	TP_Pkng_Asph	656	Parking lots: asphalt surface
500-999	TP_Pkng_Conc	658	Parking lots: concrete surface
500-999	TP_Pkng_Curb	660	Parking lots: curb
500-999	TP_Pkng_Drng	662	Parking lots: drainage slope indications
500-999	TP_Pkng_Firelane	664	Parking lots: fire lanes
500-999	TP_Pkng_Grvl	666	Parking lots: gravel surface
500-999	TP_Pkng_Striping	668	Parking lots: pavement markings
500-999	TP_Pkng_Unpaved	670	Parking lots: unpaved surface
500-999	TP_Pvmt	672	Pavement
500-999	TP_Pvmt_Cent	674	Pavement: centerline
500-999	TP_Pvmt_Airport	675	Pavement: airport
500-999	TP_Pvmt_Asph	676	Pavement: asphalt surface
500-999	TP_Pvmt_Conc	678	Pavement: concrete surface
500-999	TP_Pvmt_Grvl	680	Pavement: gravel surface
500-999	TP_Pvmt_Undefined	682	Pavement: undefined
500-999	TP_Pvmt_Striping	684	Pavement: striping
500-999	TP_Pvmt_Stone	686	Pavement: stone/decorative
500-999	TP_Rdwy	688	Roadway
500-999	TP_Rdwy_Asph	690	Roadway: asphalt surface
500-999	TP_Rdwy_Cent	692	Roadway: centerline
500-999	TP_Rdwy_Conc	694	Roadway: concrete surface
500-999	TP_Rdwy_Curb	696	Roadway: curb
500-999	TP_Rdwy_Gore	697	Roadway: gore
500-999	TP_Rdwy_Grvl	698	Roadway: gravel surface
500-999	TP_Rdwy_Striping	700	Roadway: pavement markings
500-999	TP_Rdwy_UC	701	Roadway: unclassified
500-999	TP_Rdwy_Unpaved	702	Roadway: unpaved surface
500-999	TP_Rdwy_Curb_Gutter	704	Roadway: curb and gutter
500-999	TP_Rdwy_Shldr	706	Roadway: shoulder
500-999	TP_Surface Type Text	708	Roadway: Surface type annotation
500-999	TP_Sdwk	710	Sidewalks
500-999	TP_Sdwk_Asph	712	Sidewalks: asphalt
500-999	TP_Sdwk_Conc	714	Sidewalks: concrete
500-999	TP_Bikepath	716	Bike path/trail
500-999	TP_Conc_Barrier	718	Concrete Barriers
500-999	TP_Conc_Gore	720	Concrete Gore
500-999	TP_Trail	722	Trail (well traveled)
500-999	TP_Riprap	724	Riprap
500-999	TP_Railroad	726	Railroad Tracks
500-999	TP_Railroad_Cent	728	Railroad: centerline
500-999	TP_Railroad_Equip	730	Railroad: equipment (gates, signals, etc.)
500-999	TP_Railroad_Sign	732	Railroad: Crossing Signs
500-999	TP_Railroad_Header	734	Railroad: header
500-999	TP_Walls	736	Retaining Walls

	Level Name	Number	Description
500-999	TP_Misc_Conc	738	Misc concrete
500-999	TP_Cemetery	740	Cemetery
500-999	TP_Misc	742	Miscellaneous
500-999	TP_FLHA	744	Flood hazard area
500-999	TP_Fuel	746	Fuel gas
500-999	TP_Fuel_Mhol	748	Fuel gas: manhole
500-999	TP_Fuel_Pipe	750	Fuel gas: above-ground piping
500-999	TP_Fuel_Tank	752	Fuel gas: storage tanks
500-999	TP_Fuel_Undr	754	Fuel gas: underground piping
500-999	TP_Ngas	756	Natural gas
500-999	TP_Ngas_Mhol	758	Natural gas: manhole
500-999	TP_Ngas_Pipe	760	Natural gas: pipe
500-999	TP_Ngas_Undr	762	Natural gas: underground piping
500-999	TP_Ngas_Tank	764	Natural gas: storage tanks
500-999	TP_Powr	766	Power
500-999	TP_Powr_Fenc	768	Power: fence enclosure
500-999	TP_Powr_Mhol	770	Power: manholes
500-999	TP_Powr_Ovhd	772	Power:overhead lines
500-999	TP_Powr_Pole	774	Power: box / pole
500-999	TP_Powr_Strc	776	Power: structures
500-999	TP_Powr_Undr	778	Power: underground lines
500-999	TP_Sswr	780	Sanitary sewer system
500-999	TP_Sswr_Mhol	782	Sanitary sewer system: manhole
500-999	TP_Sswr_Pipe	784	Sanitary sewer system:above-ground piping
500-999	TP_Sswr_Strc	786	Sanitary sewer system: structures
500-999	TP_Strm	788	Storm drainage and sewer system
500-999	TP_Strm_Mhol	790	Storm drainage and sewer system:manhole
500-999	TP_Strm_Pipe	792	Storm drainage and sewer system:above-ground piping
500-999	TP_Strm_Pond	794	Storm drainage and sewer system:retention pond
500-999	TP_Strm_Strc	796	Storm drainage and sewer system:structures
500-999	TP_Watr	798	Water supply
500-999	TP_Watr_Mhol	800	Water supply: manhole
500-999	TP_Watr_Valve	802	Water supply: valve/meter
500-999	TP_Watr_Pipe	804	Water supply: above-ground piping
500-999	TP_Watr_Strc	806	Water supply: structures
500-999	TP_Unid	808	Unidentified site objects
500-999	TP_Unclassified	809	Unclassified
500-999	TP_Unid_Cabl	810	Unidentified site objects: cable
500-999	TP_Unid_Pipe	812	Unidentified site objects: above-ground piping
500-999	TP_Unid_Tank	814	Unidentified site objects: storage tanks
500-999	TP_Unid_Util	816	Unidentified site objects: utility lines
500-999	TP_Unid_Util_Ovhd	818	Unidentified site objects: utility lines: overhead
500-999	TP_Unid_Util_Undr	820	Unidentified site objects: utility lines: underground
500-999	TP_Approx	822	Approximate Areas
500-999	TP_Util_manhole	830	Manholes

	Level Name	Number	Description
500-999	TP_Util_catchbasin	832	Catchbasins
500-999	TP_Util_culvert	834	Culverts
500-999	TP_Util_culvert_line	836	Culverts
500-999	TP_Util_pipeline	838	Pipelines
500-999	TP_Pit	840	Pit Outline
1000-1999	RD_Align	1000	Centerline / Baseline and Geometric Levels
1000-1999	RD_Align_ML	1010	Mainline Alignment
1000-1999	RD_Align_Frtg	1012	Frontage Road Alignments
1000-1999	RD_Align_Ramp	1014	Ramp Alignments
1000-1999	RD_Align_Xstreet	1016	Cross Street Alignments
1000-1999	RD_Align_ML_010	1018	Mainlane Stationing and text (1:10)
1000-1999	RD_Align_Frtg_Sta_010	1020	Frontage Road Stationing and text (1:10)
1000-1999	RD_Align_Ramp_010	1022	Ramp Stationing and text (1:10)
1000-1999	RD_Align_Xstreet_010	1024	Cross St Stationing and text (1:10)
1000-1999	RD_Align_ML_020	1026	Mainlane Stationing and text (1:20)
1000-1999	RD_Align_Frtg_Sta_020	1028	Frontage Road Stationing and text (1:20)
1000-1999	RD_Align_Ramp_020	1030	Ramp Stationing and text (1:20)
1000-1999	RD_Align_Xstreet_020	1032	Cross St Stationing and text (1:20)
1000-1999	RD_Align_ML_030	1034	Mainlane Stationing and text (1:30)
1000-1999	RD_Align_Frtg_Sta_030	1036	Frontage Road Stationing and text (1:30)
1000-1999	RD_Align_Ramp_030	1038	Ramp Stationing and text (1:30)
1000-1999	RD_Align_Xstreet_030	1040	Cross St Stationing and text (1:30)
1000-1999	RD_Align_ML_040	1042	Mainlane Stationing and text (1:40)
1000-1999	RD_Align_Frtg_Sta_040	1044	Frontage Road Stationing and text (1:40)
1000-1999	RD_Align_Ramp_040	1046	Ramp Stationing and text (1:40)
1000-1999	RD_Align_Xstreet_040	1048	Cross St Stationing and text (1:40)
1000-1999	RD_Align_ML_050	1050	Mainlane Stationing and text (1:50)
1000-1999	RD_Align_Frtg_Sta_050	1052	Frontage Road Stationing and text (1:50)
1000-1999	RD_Align_Ramp_050	1054	Ramp Stationing and text (1:50)
1000-1999	RD_Align_Xstreet_050	1056	Cross St Stationing and text (1:50)
1000-1999	RD_Align_ML_100	1058	Mainlane Stationing and text (1:100)
1000-1999	RD_Align_Frtg_Sta_100	1060	Frontage Road Stationing and text (1:100)
1000-1999	RD_Align_Ramp_100	1062	Ramp Stationing and text (1:100)
1000-1999	RD_Align_Xstreet_100	1064	Cross St Stationing and text (1:100)
1000-1999	RD_Align_ML_200	1066	Mainlane Stationing and text (1:200)
1000-1999	RD_Align_Frtg_Sta_200	1068	Frontage Road Stationing and text (1:200)
1000-1999	RD_Align_Ramp_200	1070	Ramp Stationing and text (1:200)
1000-1999	RD_Align_Xstreet_200	1072	Cross St Stationing and text (1:200)
1000-1999	RD_Align_ML_300	1074	Mainlane Stationing and text (1:300)
1000-1999	RD_Align_Frtg_Sta_300	1076	Frontage Road Stationing and text (1:300)
1000-1999	RD_Align_Ramp_300	1078	Ramp Stationing and text (1:300)
1000-1999	RD_Align_Xstreet_300	1080	Cross St Stationing and text (1:300)
1000-1999	RD_Align_ML_400	1082	Mainlane Stationing and text (1:400)
1000-1999	RD_Align_Frtg_Sta_400	1084	Frontage Road Stationing and text (1:400)
1000-1999	RD_Align_Ramp_400	1086	Ramp Stationing and text (1:400)
1000-1999	RD_Align_Xstreet_400	1088	Cross St Stationing and text (1:400)
2000-2999	RD_Pave	2000	Proposed Paving Levels
2000-2999	RD_EOP	2002	Edge of Pavement (EOP)

	Level Name	Number	Description
2000-2999	RD_EOS	2004	Edge of Shoulder (EOS)
2000-2999	RD_EOT	2006	Edge of Travelway (EOT)
2000-2999	RD_BOC	2008	Back of Curb (BOC)
2000-2999	RD_FOC	2010	Face of Curb (FOC)
2000-2999	RD_Gore	2012	Theoretical Gore Area
2000-2999	RD_Traf_Ln	2014	Lane Lines
2000-2999	RD_ApprSlab	2016	Approach Slab Edges/Area
2000-2999	RD_Bridge	2018	Bridge Limits
2000-2999	RD_Bridge_future	2019	Future Bridge limits
2000-2999	RD_Struct	2020	Structure Limits
2000-2999	RD_EOP_future	2022	Future Edge of Pavement (EOP)
2000-2999	RD_EOS_future	2024	Future Edge of Shoulder (EOS)
2000-2999	RD_EOT_future	2026	Future Edge of Travelway (EOT)
2000-2999	RD_BOC_future	2028	Future Back of Curb (BOC)
2000-2999	RD_FOC_future	2030	Future Face of Curb (FOC)
2000-2999	RD_Sawcuts	2032	Saw cut lines
2000-2999	RD_Const_Joints	2034	Construction joints
2000-2999	RD_Ditch	2036	Ditch centerlines
2000-2999	RD_Fence	2038	Fence
2000-2999	RD_Sheet	2040	Sheet limits
2000-2999	RD_Sheet_Misc	2042	Sheet Misc
2000-2999	RD_Plan_Notes	2044	Plan Notes
2000-2999	RD_Attenuator	2046	Attenuators
2000-2999	RD_MBGF	2048	Metal Beam Guard Fence
2000-2999	RD_CTB	2050	Concrete Traffic Barrier
2000-2999	RD_T501	2052	Bridge Rail (T50X)
2000-2999	RD_PedRail	2054	Pedestrian Protective Rail (T50X)
2000-2999	RD_Ret_Wall	2056	Retaining Walls
2000-2999	RD_Retw_footing	2058	Retaining Wall footings
2000-2999	RD_Sound_Wall	2060	Sound Walls
2000-2999	RD_Catchline	2062	Slope Limits
2000-2999	RD_Asph	2064	Asphalt Pavement Area
2000-2999	RD_Conc	2066	Concrete Pavement Area
2000-2999	RD_Riprap	2068	Rip Rap
2000-2999	RD_HcRmp	2070	Handicap Ramps
2000-2999	RD_Sdwk	2072	Sidewalk
2000-2999	RD_Bpath	2074	Bikepath
2000-2999	RD_Sdwk_patt	2076	Sidewalk Pattern
2000-2999	RD_Drvwy	2078	Driveway
2000-2999	RD_Drvwy_patt	2080	Driveway Patterns
2000-2999	RD_Turnout	2082	Turnouts
2000-2999	RD_Const_Limits	2084	Project Limit Lines
3000-3999	DR	3000	Proposed Drainage Levels
3000-3999	DM_Ex_Basin_Boundary	3010	Existing Drainage Basin Boundary
3000-3999	DM_Ex_Basin_Flow	3012	Existing Drainage Flow Arrows
3000-3999	DM_Ex_Basin_ID	3014	Existing Drainage Area Identifier
3000-3999	DM_Ex_Basin_Sub_Boundary	3016	Existing Drainage Sub-Basin Boundary
3000-3999	DM_Ex_Drainage_Annot	3018	Existing Drainage Area Map Text
3000-3999	DM_Ex_Drainage_Map	3020	Existing Drainage Area Map
3000-3999	DM_Ex_Drainage_Tables	3022	Existing Drainage Map Tables

	Level Name	Number	Description
3000-3999	DM_Ex_Inlet_Boundary	3024	Existing Drainage Inlet Boundary
3000-3999	DM_Ex_Inlet_Sub_Boundary	3026	Existing Drainage Sub-Inlet Boundary
3000-3999	DM_Pr_Basin_Boundary	3028	Proposed Drainage Basin Boundary
3000-3999	DM_Pr_Basin_Flow	3030	Proposed Drainage Flow Arrows
3000-3999	DM_Pr_Basin_ID	3032	Proposed Drainage Area Identifier
3000-3999	DM_Pr_Basin_Sub_Boundary	3034	Proposed Drainage Sub-Basin Boundary
3000-3999	DM_Pr_Drainage_Annot	3036	Proposed Drainage Area Map Text
3000-3999	DM_Pr_Drainage_Map	3038	Proposed Drainage Area Map
3000-3999	DM_Pr_Drainage_Tables	3040	Proposed Drainage Map Tables
3000-3999	DM_Pr_Inlet_Boundary	3042	Proposed Drainage Inlet Boundary
3000-3999	DM_Pr_Inlet_Sub_Boundary	3044	Proposed Drainage Sub-Inlet Boundary
3000-3999	DR_Ex_Align	3046	Existing Baseline
3000-3999	DR_Ex_Align_Annot	3048	Baseline Bearing & Distance
3000-3999	DR_Ex_Align_Sta	3050	Baseline Ticks, Stations, PCs and PTs
3000-3999	DR_Pr_Align	3052	Proposed Baseline
3000-3999	DR_Pr_Align_Annot	3054	Baseline Bearing & Distance
3000-3999	DR_Pr_Align_Sta	3056	Baseline Ticks, Stations, PCs and PTs
3000-3999	DR_Pr_Strm_Berm	3058	Proposed Berm
3000-3999	DR_Pr_Strm_Box	3060	Proposed Box Culverts
3000-3999	DR_Pr_Strm_Chan	3062	Proposed Channels
3000-3999	DR_Pr_Strm_Gabion	3064	Gabion Lining for Channel
3000-3999	DR_Pr_Strm_Inlet	3066	Proposed Storm Sewer Inlets and Inlet Boxes
3000-3999	DR_Pr_Strm_Line	3068	Proposed Storm Sewer Lines
3000-3999	DR_Pr_Strm_Manhole	3070	Proposed Storm Sewer Manholes
3000-3999	DR_Pr_Strm_Pond	3072	Proposed Ponds, Basins, Lakes
3000-3999	DR_Pr_Strm_Riprap	3074	Rip Rap
3000-3999	DR_Pr_Strm_Slop	3076	Channel Slope Arrows
3000-3999	DR_Pr_Strm_Slot	3078	Proposed Slotted Drains
3000-3999	DR_Pr_Strm_Struct	3080	Proposed Storm Sewer Structures
3000-3999	DR_Pr_Strm_Undrn	3082	Proposed Underdrains
4000-4999	BR	4000	Bridge / Structural Levels
4000-4999	BR_Pr_Bent_CL	4010	Bent/Abutment Centerlines
4000-4999	BR_Pr_Beam_CL	4012	Beam Centerlines
4000-4999	BR_Pr_Beam_Line	4014	Beam Line Schematic
4000-4999	BR_Pr_Brng_CL	4016	Bearing Centerlines
4000-4999	BR_Pr_Diaphragm	4018	Diaphragms
4000-4999	BR_Pr_Annot	4020	Dimension Lines, Terminators/Text (Odd Span, Pier, or Sheet No.)
4000-4999	BR_Pr_Beam_Rib	4022	Beam Ribs
4000-4999	BR_Pr_Beam_End	4024	End of Beam Lines
4000-4999	BR_Pr_Beam_Flange	4026	Beam Exterior flanges
4000-4999	BR_Pr_Bent_Number	4028	Bent/Abutment Numbering
4000-4999	BR_Align	4030	Bridge centerline
4000-4999	BR_Pr_Slab	4032	Edge of Slab
4000-4999	BR_Pr_Rail	4034	Face of Rail, Curb
4000-4999	BR_Pr_Reinf	4036	Reinforcing
4000-4999	BR_Pr_Deck	4038	Edge of Deck
4000-4999	BR_Pr_Cap_Beams	4040	Cap Beams
4000-4999	BR_Pr_Bearing_Seat	4042	Bearing Seats

	Level Name	Number	Description
4000-4999	BR_Pr_Columns	4044	Columns
4000-4999	BR_Pr_Abut_Wingwall	4046	Abutment Wingwall Outlines
4000-4999	PRF_BR_Pr_	4048	Superstructure (Rail, Deck, Beams) (Abutment, Walls, Bent Cap)
4000-4999	PRF_BR_Pr_Column	4050	Columns
4000-4999	PRF_BR_Pr_Drill_Shaft	4052	Drilled Shafts
4000-4999	PRF_BR_Ex_Grade	4054	Existing Ground
4000-4999	PRF_BR_Pr_Grade	4056	Proposed Ground
4000-4999	PRF_BR_Top_Weathered_Rock	4058	Top of Weathered Rock
4000-4999	PRF_BR_Top_UnWeathered_Rock	4060	Top of UnWeathered Rock
4000-4999	PRF_BR_Pr_Riprap	4062	Secondary Elements (BPA, RIPRAP)
5000-5999	RW	5000	Existing / Proposed ROW Levels
5000-5999	RW_Ex_ROW	5010	Existing Row
5000-5999	RW_Pr_ROW	5011	Proposed Row
5000-5999	RW_Ex_ROW_Markers	5012	Existing Right of Way Marker symbol
5000-5999	RW_Pr_ROW_Markers	5013	Proposed Right of Way Marker symbol
5000-5999	RW_Ex_Controlled_Access	5020	Existing Access Control
5000-5999	RW_Pr_Controlled_Access	5021	Proposed Access Control
5000-5999	RW_Ex_Esmt	5030	Existing Easement (not specified)
5000-5999	RW_Pr_Esmt	5031	Proposed Easement (not specified)
5000-5999	RW_Ex_Esmt_Drng	5032	Existing Easement (Drainage)
5000-5999	RW_Pr_Esmt_Drng	5033	Proposed Easement (Drainage)
5000-5999	RW_Ex_Esmt_Slope	5034	Existing Easement (Slope)
5000-5999	RW_Pr_Esmt_Slope	5035	Proposed Easement (Slope)
5000-5999	RW_Ex_Esmt_Util	5036	Existing Easement (Utility)
5000-5999	RW_Pr_Esmt_Util	5037	Proposed Easement (Utility)
5000-5999	RW_Ex_Esmt_Notes	5038	Easement notes and dimensions
5000-5999	RW_Pr_Esmt_Notes	5039	Proposed easement notes and dimensions
5000-5999	RW_Pr_LOC_Line	5040	Project area limit of construction
5000-5999	RW_Property_Lines	5050	Property Lines
5000-5999	RW_Section_Lines	5060	Abstract Lines
5000-5999	RW_Property_Owners	5061	Property owner names
5000-5999	RW_Lot_Lines	5062	Lot Lines
5000-5999	RW_Building_Setback_Line	5063	Private property building construction edge lines
5000-5999	RW_Subdv_Boundaries	5064	Subdivision Lines
5000-5999	RW_Section_Lines_Text	5065	Abstract Line Text
5000-5999	RW_Corporation_Lines	5066	Corporation Lines
5000-5999	RW_County_Lines	5067	County Lines
5000-5999	RW_State_Line	5068	State line
5000-5999	RW_Ex_Dimensions	5070	Existing Right of Way dimensions
5000-5999	RW_Pr_Dimensions	5071	Proposed Right of Way station offset dimensions
5000-5999	RW_Ex_Notes	5072	Existing Right of Way notes, labels, and object identification
5000-5999	RW_Pr_Notes	5073	Proposed Right of Way notes, labels, and object identification
6000-6999	SG	6000	Signalization Plans
6000-6999	SG_Ex_Conduit	6002	Existing Signal Conduit

	Level Name	Number	Description
6000-6999	SG_Ex_Controllers	6004	Existing Controller
6000-6999	SG_Ex_Heads	6006	Existing Signal Heads
6000-6999	SG_Ex_Mast_Arm	6008	Existing Mast Arm
6000-6999	SG_Ex_Messenger_Wire	6010	Existing Messenger Wire
6000-6999	SG_Ex_Poles	6012	Existing Strain/Support Pole
6000-6999	SG_Ex_PullBox	6014	Existing Pull Box
6000-6999	SG_Ex_Text	6016	Existing Signal Text
6000-6999	SG_Ex_Wiring	6018	Existing Wiring/Loop Detector
6000-6999	SG_Pr_Conduit	6020	Proposed Signal Conduit
6000-6999	SG_Pr_Controllers	6022	Proposed Controller
6000-6999	SG_Pr_Heads	6024	Proposed Signal Heads
6000-6999	SG_Pr_Mast_Arm	6026	Proposed Mast Arm
6000-6999	SG_Pr_Messenger_Wire	6028	Proposed Messenger Wire
6000-6999	SG_Pr_Poles	6030	Proposed Strain/Support Pole
6000-6999	SG_Pr_PullBox	6032	Proposed Pull Box
6000-6999	SG_Pr_Text	6034	Proposed Signal Text
6000-6999	SG_Pr_Wiring	6036	Proposed Wiring/Loop Detector
7000-7999	RD_Pav_Mark	7000	Existing / Proposed Pavement Marking Levels
7000-7999	RD_Pav_Mark_Wht	7010	Pvmt Marking White Solid
7000-7999	RD_Pav_Mark_Wht_04	7012	Pvmt Marking White 4" Solid
7000-7999	RD_Pav_Mark_Wht_06	7014	Pvmt Marking White 6" Solid
7000-7999	RD_Pav_Mark_Wht_06 Brk	7016	Pvmt Marking White 6" Broken
7000-7999	RD_Pav_Mark_Wht_06 Dot	7018	Pvmt Marking White 6" Dot
7000-7999	RD_Pav_Mark_Wht_08	7020	Pvmt Marking White 8" Solid
7000-7999	RD_Pav_Mark_Wht_08 Brk	7022	Pvmt Marking White 8" Broken
7000-7999	RD_Pav_Mark_Wht_08 Dot	7024	Pvmt Marking White 8" Dot
7000-7999	RD_Pav_Mark_Wht_12	7026	Pvmt Marking White 12" Solid
7000-7999	RD_Pav_Mark_Wht_18	7028	Pvmt Marking White 18" Solid
7000-7999	RD_Pav_Mark_Wht_24	7030	Pvmt Marking White 24" Solid
7000-7999	RD_Pav_Mark_Wht_36	7032	Pvmt Marking White 36" Solid
7000-7999	RD_Pav_Mark_Wht_Symb	7034	Arrows and Words
7000-7999	RD_Pav_Mark_Ylw	7036	Pvmt Marking Yellow
7000-7999	RD_Pav_Mark_Ylw_04	7038	Pvmt Marking Yellow 4" Solid
7000-7999	RD_Pav_Mark_Ylw_04 Brk	7040	Pvmt Marking Yellow 4" Broken
7000-7999	RD_Pav_Mark_Ylw_04 Dot	7042	Pvmt Marking Yellow 4" Dot
7000-7999	RD_Pav_Mark_Ylw_06	7044	Pvmt Marking Yellow 6" Solid
7000-7999	RD_Pav_Mark_Ylw_06 Brk	7046	Pvmt Marking Yellow 6" Broken
7000-7999	RD_Pav_Mark_Ylw_06 Dot	7048	Pvmt Marking Yellow 6" Dot
7000-7999	RD_Pav_Mark_Ylw_08	7050	Pvmt Marking Yellow 8" Solid
7000-7999	RD_Pav_Mark_Ylw_12	7052	Pvmt Marking Yellow 12" Solid
7000-7999	RD_Pav_Mark_Ylw_18	7054	Pvmt Marking Yellow 18" Solid
7000-7999	RD_Pav_Mark_Ylw_24	7056	Pvmt Marking Yellow 24" Solid
7000-7999	RD_Pav_Mark_Ylw_36	7058	Pvmt Marking Yellow 36" Solid
7000-7999	RD_Pav_Marker_TY I A	7060	Pvmt Marker TY I-A
7000-7999	RD_Pav_Marker_TY I C	7062	Pvmt Marker TY I-C
7000-7999	RD_Pav_Marker_TY II A	7064	Pvmt Marker TY II-A
7000-7999	RD_Pav_Marker_TY II CR	7066	Pvmt Marker TY II-C-R
7000-7999	RD_Pav_Marker_Tile TY I A	7068	Jiggle Bar Tile TY I - A
7000-7999	RD_Pav_Marker_Tile TY I C	7070	Jiggle Bar Tile TY II - A - A

	Level Name	Number	Description
7000-7999	RD_Pav_Marker_Tile TY W	7072	Jiggle Bar Tile TY W
7000-7999	RD_Pav_Marker_Tile TY II CR	7074	Jiggle Bar Tile TY Y
8000-8999	UT	8000	Existing / Proposed Utilities
8000-8999	UT_Ex_Cable_TV	8010	Cable TV Line and Cells - Existing
8000-8999	UT_Ex_Cable_TV_FO	8012	Fiber Optic Cable TV Line - Existing
8000-8999	UT_Ex_Cable_TV_Text	8014	Cable TV Text - Existing
8000-8999	UT_Ex_Electric	8016	Electric Line and Cells - Existing
8000-8999	UT_Ex_Electric_Text	8018	Electric Text - Existing
8000-8999	UT_Ex_Gas	8020	Gas Line and Cells - Existing
8000-8999	UT_Ex_Gas_Text	8022	Gas Text - Existing
8000-8999	UT_Ex_Misc	8024	Miscellaneous Utility Cells - Existing
8000-8999	UT_Ex_Oil	8026	Oil Line and Cells - Existing
8000-8999	UT_Ex_Tank	8028	Tank - Existing
8000-8999	UT_Ex_Telecom	8030	Telecommunication Line and Cells - Existing
8000-8999	UT_Ex_Telecom_FO	8032	Fiber Optic Telecommunication Line - Existing
8000-8999	UT_Ex_Telecom_Text	8034	Telecommunication Text - Existing
8000-8999	UT_Ex_Water	8036	Existing Water Lines
8000-8999	UT_Ex_Water_Text	8038	Existing Water Text
8000-8999	UT_Ex_Water_MH_valves	8040	Existing water line manholes and valves
8000-8999	UT_Ex_Sanitary	8042	Existing Sanitary Lines
8000-8999	UT_Ex_Sanitary_Text	8044	Existing Sanitary Text
8000-8999	UT_Ex_Sanitary_MH	8046	Existing Sanitary line manholes
8000-8999	UT_Pr_Water	8048	Proposed Water Lines
8000-8999	UT_Pr_Water_Text	8050	Proposed Water Text
8000-8999	UT_Pr_Water_MH_valves	8052	Proposed water line manholes and valves
8000-8999	UT_Pr_Sanitary	8054	Proposed Sanitary Lines
8000-8999	UT_Pr_Sanitary_Text	8056	Proposed Sanitary Text
8000-8999	UT_Pr_Sanitary_MH_valves	8058	Proposed Sanitary line manholes
9000-9999	TCP	9000	Construction Sequence / Traffic Control Levels
9000-9999	TCP_Pvmt_Temporary	9010	Temporary Pavement under construction
9000-9999	TCP_Pvmt_Proposed	9012	Final Pavement under construction
9000-9999	TCP_Pvmt_Existing	9014	Existing Pavement carrying traffic
9000-9999	TCP_Pvmt_Shape	9016	Pavement outlines
9000-9999	TCP_Annot	9018	Annotation / notes
9000-9999	TCP_Drums_Proposed	9020	Drums/Barricades to be installed
9000-9999	TCP_Drums_Remain	9022	Drums/Barricades to remain
9000-9999	TCP_Drums_Remove	9024	Drums/Barricades to be removed/relocated
9000-9999	TCP_Wz_Pmrk_Proposed	9026	Proposed work zone striping
9000-9999	TCP_Wz_Pmrk_Remain	9028	Existing striping to remain
9000-9999	TCP_Wz_Pmrk_Remove	9030	Existing striping to be removed
9000-9999	TCP_PCTB_Proposed	9032	Portable barriers to be installed
9000-9999	TCP_PCTB_Remain	9034	Portable barriers to be removed/relocated
9000-9999	TCP_PCTB_Remove	9036	Portable barriers to remain
9000-9999	TCP_Traf_arrow	9038	Traffic Direction Arrows
9000-9999	TCP_Signs	9040	Signs
9000-9999	TCP_Sign_loc	9042	Sign symbols

	Level Name	Number	Description
9000-9999	TCP_Topo_Existing	9044	Phase topo features
10000-10999	D_ALIGN_1	10000	TxDOT Standard Level name
10000-10999	D_ALIGN_2	10002	TxDOT Standard Level name
10000-10999	D_ALIGN_3	10004	TxDOT Standard Level name
10000-10999	D_ALIGN_4	10006	TxDOT Standard Level name
10000-10999	D_ALIGN_5	10008	TxDOT Standard Level name
10000-10999	D_ALIGN_ANNO_1	10010	TxDOT Standard Level name
10000-10999	D_ALIGN_ANNO_2	10012	TxDOT Standard Level name
10000-10999	D_ALIGN_ANNO_3	10014	TxDOT Standard Level name
10000-10999	D_ALIGN_ANNO_4	10016	TxDOT Standard Level name
10000-10999	D_ALIGN_ANNO_5	10018	TxDOT Standard Level name
10000-10999	D_BOXES_1	10020	TxDOT Standard Level name
10000-10999	D_BOXES_2	10022	TxDOT Standard Level name
10000-10999	D_BOXES_3	10024	TxDOT Standard Level name
10000-10999	D_CATCHLINE_1	10026	TxDOT Standard Level name
10000-10999	D_CATCHLINE_2	10028	TxDOT Standard Level name
10000-10999	D_CATCHLINE_3	10030	TxDOT Standard Level name
10000-10999	D_COAL	10032	TxDOT Standard Level name
10000-10999	D_CTB_1	10034	TxDOT Standard Level name
10000-10999	D_CURB_1	10036	TxDOT Standard Level name
10000-10999	D_CURB_2	10038	TxDOT Standard Level name
10000-10999	D_CURB_3	10040	TxDOT Standard Level name
10000-10999	D_DITCH_1	10042	TxDOT Standard Level name
10000-10999	D_DITCH_2	10044	TxDOT Standard Level name
10000-10999	D_DITCH_3	10046	TxDOT Standard Level name
10000-10999	D_DRAIN_MISC	10048	TxDOT Standard Level name
10000-10999	D_DRAIN_NOTES_1	10050	TxDOT Standard Level name
10000-10999	D_DRAIN_NOTES_2	10052	TxDOT Standard Level name
10000-10999	D_DRAIN_RELAY	10054	TxDOT Standard Level name
10000-10999	D_DRVWY_1	10056	TxDOT Standard Level name
10000-10999	D_DTM_1	10058	TxDOT Standard Level name
10000-10999	D_DTM_BREAKLINES	10060	TxDOT Standard Level name
10000-10999	D_DTM_CONTOUR_1	10062	TxDOT Standard Level name
10000-10999	D_DTM_CONTOUR_2	10064	TxDOT Standard Level name
10000-10999	D_DTM_SPOTS	10066	TxDOT Standard Level name
10000-10999	D_DTM_TEXT_1	10068	TxDOT Standard Level name
10000-10999	D_DTM_TEXT_2	10070	TxDOT Standard Level name
10000-10999	D_DTM_TIN_HULL	10072	TxDOT Standard Level name
10000-10999	D_DTM_TRIANGLES	10074	TxDOT Standard Level name
10000-10999	D_DTM_VOIDS	10076	TxDOT Standard Level name
10000-10999	D_EOS_1	10078	TxDOT Standard Level name
10000-10999	D_EOS_2	10080	TxDOT Standard Level name
10000-10999	D_EOS_3	10082	TxDOT Standard Level name
10000-10999	D_EOT_1	10084	TxDOT Standard Level name
10000-10999	D_EOT_2	10086	TxDOT Standard Level name
10000-10999	D_EOT_3	10088	TxDOT Standard Level name
10000-10999	D_EXCV_1	10090	TxDOT Standard Level name
10000-10999	D_GEOM_SCR_1	10092	TxDOT Standard Level name
10000-10999	D_GEOM_SCR_2	10094	TxDOT Standard Level name
10000-10999	D_INLET_1	10096	TxDOT Standard Level name

	Level Name	Number	Description
10000-10999	D_INLET_2	10098	TxDOT Standard Level name
10000-10999	D_LANDUSE_1	10100	TxDOT Standard Level name
10000-10999	D_LANDUSE_2	10102	TxDOT Standard Level name
10000-10999	D_MBGF	10104	TxDOT Standard Level name
10000-10999	D_MH_1	10106	TxDOT Standard Level name
10000-10999	D_MH_2	10108	TxDOT Standard Level name
10000-10999	D_MISC_1	10110	TxDOT Standard Level name
10000-10999	D_MISC_2	10112	TxDOT Standard Level name
10000-10999	D_MLBTRNOUT	10114	TxDOT Standard Level name
10000-10999	D_PARCEL_LINE	10116	TxDOT Standard Level name
10000-10999	D_PATTERN_LINE_1	10118	TxDOT Standard Level name
10000-10999	D_PAV_ASPH_1	10120	TxDOT Standard Level name
10000-10999	D_PAV_ASPH_2	10122	TxDOT Standard Level name
10000-10999	D_PAV_ASPH_3	10124	TxDOT Standard Level name
10000-10999	D_PAV_BASE_1	10126	TxDOT Standard Level name
10000-10999	D_PAV_BASE_2	10128	TxDOT Standard Level name
10000-10999	D_PAV_BASE_3	10130	TxDOT Standard Level name
10000-10999	D_PAV_CONC_1	10132	TxDOT Standard Level name
10000-10999	D_PAV_CONC_2	10134	TxDOT Standard Level name
10000-10999	D_PAV_CONC_3	10136	TxDOT Standard Level name
10000-10999	D_PAV_MARK_1	10138	TxDOT Standard Level name
10000-10999	D_PAV_MARK_2	10140	TxDOT Standard Level name
10000-10999	D_PAV_MARK_3	10142	TxDOT Standard Level name
10000-10999	D_PAV_SUBG_1	10144	TxDOT Standard Level name
10000-10999	D_PAV_SUBG_2	10146	TxDOT Standard Level name
10000-10999	D_PAV_SUBG_3	10148	TxDOT Standard Level name
10000-10999	D_PAY_1	10150	TxDOT Standard Level name
10000-10999	D_PAY_2	10152	TxDOT Standard Level name
10000-10999	D_PIPES_1	10154	TxDOT Standard Level name
10000-10999	D_PIPES_2	10156	TxDOT Standard Level name
10000-10999	D_PIPES_3	10158	TxDOT Standard Level name
10000-10999	D_PLAN_NOTES_1	10160	TxDOT Standard Level name
10000-10999	D_PLAN_NOTES_2	10162	TxDOT Standard Level name
10000-10999	D_PLAN_NOTES_3	10164	TxDOT Standard Level name
10000-10999	D_PROF_1	10166	TxDOT Standard Level name
10000-10999	D_PROF_2	10168	TxDOT Standard Level name
10000-10999	D_PROF_3	10170	TxDOT Standard Level name
10000-10999	D_PROF_4	10172	TxDOT Standard Level name
10000-10999	D_PROF_CURB_1	10174	TxDOT Standard Level name
10000-10999	D_PROF_CURB_2	10176	TxDOT Standard Level name
10000-10999	D_PROF_CURB_3	10178	TxDOT Standard Level name
10000-10999	D_PROF_CURB_4	10180	TxDOT Standard Level name
10000-10999	D_PROF_DRN_1	10182	TxDOT Standard Level name
10000-10999	D_PROF_DRN_2	10184	TxDOT Standard Level name
10000-10999	D_PROF_DRN_3	10186	TxDOT Standard Level name
10000-10999	D_PROF_DRN_4	10188	TxDOT Standard Level name
10000-10999	D_PROF_DTCH_1	10190	TxDOT Standard Level name
10000-10999	D_PROF_DTCH_2	10192	TxDOT Standard Level name
10000-10999	D_PROF_DTCH_3	10194	TxDOT Standard Level name
10000-10999	D_PROF_DTCH_4	10196	TxDOT Standard Level name
10000-10999	D_PROF_NG_1	10198	TxDOT Standard Level name

	Level Name	Number	Description
10000-10999	D_PROF_NG_2	10200	TxDOT Standard Level name
10000-10999	D_PROF_NG_3	10202	TxDOT Standard Level name
10000-10999	D_PROF_NG_4	10204	TxDOT Standard Level name
10000-10999	D_PROF_NOTES_1	10206	TxDOT Standard Level name
10000-10999	D_PROF_NOTES_2	10208	TxDOT Standard Level name
10000-10999	D_PROF_NOTES_3	10210	TxDOT Standard Level name
10000-10999	D_PROF_NOTES_4	10212	TxDOT Standard Level name
10000-10999	D_RET_WALL	10214	TxDOT Standard Level name
10000-10999	D_RIPRAP_1	10216	TxDOT Standard Level name
10000-10999	D_ROW_1	10218	TxDOT Standard Level name
10000-10999	D_ROW_2	10220	TxDOT Standard Level name
10000-10999	D_ROW_3	10222	TxDOT Standard Level name
10000-10999	D_ROW_NOTE_1	10224	TxDOT Standard Level name
10000-10999	D_ROW_SURVEYLINE	10226	TxDOT Standard Level name
10000-10999	D_ROWLINE	10228	TxDOT Standard Level name
10000-10999	D_SET_1	10230	TxDOT Standard Level name
10000-10999	D_SHAPE_DEP	10232	TxDOT Standard Level name
10000-10999	D_SHAPE_INDEP	10234	TxDOT Standard Level name
10000-10999	D_SHEET	10236	TxDOT Standard Level name
10000-10999	D_SHEET_CLIP	10238	TxDOT Standard Level name
10000-10999	D_SHEET_MISC_1	10240	TxDOT Standard Level name
10000-10999	D_SW_1	10242	TxDOT Standard Level name
10000-10999	D_TURNOUT_1	10244	TxDOT Standard Level name
10000-10999	D_UTIL_NOTE_1	10246	TxDOT Standard Level name
10000-10999	D_UTILITY_1	10248	TxDOT Standard Level name
10000-10999	D_UTILITY_2	10250	TxDOT Standard Level name
10000-10999	D_UTILITY_3	10252	TxDOT Standard Level name
10000-10999	D_WALL_1	10254	TxDOT Standard Level name
10000-10999	XS_ARROW2	10256	TxDOT Standard Level name
10000-10999	XS_EWRKLINE_1	10258	TxDOT Standard Level name
10000-10999	XS_EWRKLINE_2	10260	TxDOT Standard Level name
10000-10999	XS_EWRKSHAPE_1	10262	TxDOT Standard Level name
10000-10999	XS_EWRKSHAPE_2	10264	TxDOT Standard Level name
10000-10999	XS_EXISTPAV_1	10266	TxDOT Standard Level name
10000-10999	XS_EXISTPAV_2	10268	TxDOT Standard Level name
10000-10999	XS_EXISTPAV_3	10270	TxDOT Standard Level name
10000-10999	XS_EXLIMIT_1	10272	TxDOT Standard Level name
10000-10999	XS_EXLIMIT_2	10274	TxDOT Standard Level name
10000-10999	XS_LBL_1	10276	TxDOT Standard Level name
10000-10999	XS_LBL_2	10278	TxDOT Standard Level name
10000-10999	XS_LBL_3	10280	TxDOT Standard Level name
10000-10999	XS_LBL_4	10282	TxDOT Standard Level name
10000-10999	XS_LBL_5	10284	TxDOT Standard Level name
10000-10999	XS_LBL_6	10286	TxDOT Standard Level name
10000-10999	XS_LBL_7	10288	TxDOT Standard Level name
10000-10999	XS_LBL_8	10290	TxDOT Standard Level name
10000-10999	XS_LBL_9	10292	TxDOT Standard Level name
10000-10999	XS_LBL_10	10294	TxDOT Standard Level name
10000-10999	XS_LBL_11	10296	TxDOT Standard Level name
10000-10999	XS_LBL_12	10298	TxDOT Standard Level name
10000-10999	XS_LBL_13	10300	TxDOT Standard Level name

	Level Name	Number	Description
10000-10999	XS_LBL_14	10302	TxDOT Standard Level name
10000-10999	XS_LBL_15	10304	TxDOT Standard Level name
10000-10999	XS_MRKPNT	10306	TxDOT Standard Level name
10000-10999	XS_ORIGINAL_1	10308	TxDOT Standard Level name
10000-10999	XS_ORIGINAL_2	10310	TxDOT Standard Level name
10000-10999	XS_PFGRD_1	10312	TxDOT Standard Level name
10000-10999	XS_PFGRD_2	10314	TxDOT Standard Level name
10000-10999	XS_PFGRD_3	10316	TxDOT Standard Level name
10000-10999	XS_PFGRD_4	10318	TxDOT Standard Level name
10000-10999	XS_PFGRD_5	10320	TxDOT Standard Level name
10000-10999	XS_PFGRD_6	10322	TxDOT Standard Level name
10000-10999	XS_PFGRD_7	10324	TxDOT Standard Level name
10000-10999	XS_PFGRD_8	10326	TxDOT Standard Level name
10000-10999	XS_PFGRD_9	10328	TxDOT Standard Level name
10000-10999	XS_PFGRD_10	10330	TxDOT Standard Level name
10000-10999	XS_PFGRD_11	10332	TxDOT Standard Level name
10000-10999	XS_PFGRD_12	10334	TxDOT Standard Level name
10000-10999	XS_PFGRD_13	10336	TxDOT Standard Level name
10000-10999	XS_PFGRD_14	10338	TxDOT Standard Level name
10000-10999	XS_PFGRD_15	10340	TxDOT Standard Level name
10000-10999	XS_PFGRD_16	10342	TxDOT Standard Level name
10000-10999	XS_PFGRD_17	10344	TxDOT Standard Level name
10000-10999	XS_PFGRD_18	10346	TxDOT Standard Level name
10000-10999	XS_PFGRD_19	10348	TxDOT Standard Level name
10000-10999	XS_SHEET	10350	TxDOT Standard Level name
10000-10999	XS_SHEET_ERTHWRK	10352	TxDOT Standard Level name
10000-10999	XS_SHEET_LABELS	10354	TxDOT Standard Level name
10000-10999	XS_UNDCUT_1	10356	TxDOT Standard Level name
10000-10999	XS_UNDCUT_2	10358	TxDOT Standard Level name
10000-10999	XS_UNDCUT_3	10360	TxDOT Standard Level name
10000-10999	XS_UNDCUT_4	10362	TxDOT Standard Level name
10000-10999	XS_UNDCUT_5	10364	TxDOT Standard Level name
10000-10999	XS_UNDCUT_6	10366	TxDOT Standard Level name
10000-10999	XS_UNDCUT_7	10368	TxDOT Standard Level name
10000-10999	XS_UNDCUT_8	10370	TxDOT Standard Level name
10000-10999	XS_UNDCUT_9	10372	TxDOT Standard Level name
10000-10999	XS_UNDCUT_10	10374	TxDOT Standard Level name
10000-10999	XS_UNDCUT_11	10376	TxDOT Standard Level name
10000-10999	XS_UNDCUT_12	10378	TxDOT Standard Level name
10000-10999	XS_UNDCUT_13	10380	TxDOT Standard Level name
10000-10999	XS_UNDCUT_14	10382	TxDOT Standard Level name
10000-10999	XS_UNDCUT_15	10384	TxDOT Standard Level name
10000-10999	XS_UNDCUT_16	10386	TxDOT Standard Level name
10000-10999	XS_UNDCUT_17	10388	TxDOT Standard Level name
10000-10999	XS_UNDCUT_18	10390	TxDOT Standard Level name
10000-10999	XS_UNDCUT_19	10392	TxDOT Standard Level name
10000-10999	XS_VOID_1	10394	TxDOT Standard Level name
10000-10999	XS_VOID_2	10396	TxDOT Standard Level name
11000-11999	LT	11000	Illumination Plans
11000-11999	LT_Ex_Luminaires	11010	Existing Lighting symbols

	Level Name	Number	Description
11000-11999	LT_Ex_Circuit	11012	Existing Lighting Circuit -
11000-11999	LT_Ex_Ovhd elec	11014	Existing Lighting overhead electrical
11000-11999	LT_Ex_UG elec	11016	Existing Lighting buried electrical
11000-11999	LT_Ex_Conduit	11018	Existing Lighting conduit
11000-11999	LT_Ex_Annot	11020	Existing Lighting Text
11000-11999	LT_Pr_Luminaires	11022	Proposed Luminaire
11000-11999	LT_Pr_Control_Center	11024	Proposed Lighting Control Center
11000-11999	LT_Pr_Circuit	11026	Proposed Lighting Circuit
11000-11999	LT_Pr_Ovhd elec	11028	Proposed Lighting overhead electrical
11000-11999	LT_Pr_UG elec	11030	Proposed Lighting buried electrical
11000-11999	LT_Pr_Conduit	11032	Proposed Lighting conduit
11000-11999	LT_Pr_Annot	11034	Proposed Lighting Text
11000-11999	LT_Pr_Patterns_1	11036	Luminaire Patterns for Design - Proposed
11000-11999	LT_Pr_Patterns_2	11038	Luminaire Patterns for Design - Proposed
11000-11999	LT_Ex_Patterns_1	11040	Luminaire Patterns for Design - Existing
11000-11999	LT_Ex_Patterns_2	11042	Luminaire Patterns for Design - Existing
12000-12999	Landscaping / Irrigation Levels	12000	Landscaping / Irrigation Levels
13000-13999	DT	13000	Grading Levels
13000-13999	DT_Ex_Contour_Major	13002	Existing Major Contour Line
13000-13999	DT_Ex_Contour_Major_dep	13003	Existing Major Contour Line depressed
13000-13999	DT_Ex_Contour_Minor	13004	Existing Minor Contour Line
13000-13999	DT_Ex_Contour_Minor_dep	13005	Existing Minor Contour Line depressed
13000-13999	DT_Ex_Spot_Elev	13006	Existing Spot Elevations
13000-13999	DT_Ex_Graded_Shoulder	13008	Existing Graded Shoulder Line
13000-13999	DT_Ex_Break_Line	13010	Existing Break Line
13000-13999	DT_Ex_DTM_Bound	13012	Existing DTM Boundary
13000-13999	DT_Ex_Slope_Break_Line	13014	Existing Slope Break Line
13000-13999	DT_Ex_Lattice	13016	Existing Lattice
13000-13999	DT_Ex_Triangles	13018	Existing Triangles
13000-13999	DT_Ex_Void	13020	Existing Void Area
13000-13999	DT_Pr_Contour_Major	13022	Proposed Major Contour Line
13000-13999	DT_Pr_Contour_Minor	13024	Proposed Minor Contour Line
13000-13999	DT_Pr_Spot_Elev	13026	Proposed Spot Elevations
13000-13999	DT_Pr_Graded_Shoulder	13028	Proposed Graded Shoulder Line
13000-13999	DT_Pr_Break_Line	13030	Proposed Break Line
13000-13999	DT_Pr_DTM_Bound	13032	Proposed DTM Boundary
13000-13999	DT_Pr_Slope_Break_Line	13034	Proposed Slope Break Line
13000-13999	DT_Pr_Lattice	13036	Proposed Lattice
13000-13999	DT_Pr_Triangles	13038	Proposed Triangles
13000-13999	DT_Pr_Void	13040	Proposed Void Area
14000-14999	GT	14000	Geotechnical Levels
14000-14999	GT_Bore	14010	Boring symbols
14000-14999	GT_Text	14012	Geotechnical Text
14000-14999	GT_Pr_Soil_Boring	14014	Soil Boring Profile
14000-14999	GT_Pr_Soil_Levels	14016	Geotechnical Soil Levels
14000-14999	GT_Pr_Text	14018	Geotechnical Text
14000-14999	GT_Pr_Groundwater	14020	Geotechnical Groundwater Line

	Level Name	Number	Description
15000-15999	SW3P Levels	15000	SW3P Levels
16000-16999	XSC	16000	Cross Sections (typical sections, earthwork)
16000-16999	XSC_Agg Base Course	16010	Aggregate Base Course
16000-16999	XSC_Agg Shoulder Subgrade	16012	Aggregate Shoulder Subgrade
16000-16999	XSC_Agg Shoulder	16014	Aggregate Shoulder
16000-16999	XSC_Aspphalt Base Course	16016	Asphalt Base Course
16000-16999	XSC_Aspphalt Binder Course	16018	Asphalt Binder Course
16000-16999	XSC_Aspphalt Surface Course	16020	Asphalt Surface Course
16000-16999	XSC_PCC Pavement	16022	PCC Pavement
16000-16999	XSC_PCC Subbase	16024	PCC Subbase
16000-16999	XSC_Paved Shoulder Subgrade	16026	Paved Shoulder Subgrade
16000-16999	XSC_Paved Shoulder	16028	Paved Shoulder
16000-16999	XSC_Curb Subgrade	16030	Curb Subgrade
16000-16999	XSC_Curb Surface	16032	Curb Surface
16000-16999	XSC_Median Subgrade	16034	Median Subgrade
16000-16999	XSC_Median Surface	16036	Median Surface
16000-16999	XSC_Pavement Surface	16038	Pavement Surface
16000-16999	XSC_Bottom of Surface	16040	Bottom of Surface
16000-16999	XSC_Bottom of Widening	16042	Bottom of Widening
16000-16999	XSC_Topsoil	16044	Topsoil
16000-16999	XSC_CL Elevation Text	16046	CL Elevation Text
16000-16999	XSC_Elevation Text	16048	Elevation Text
16000-16999	XSC_Sidewalk	16050	Sidewalk
16000-16999	XSC_Sidewalk Subgrade	16052	Sidewalk bottom surface
16000-16999	XSC_Concrete Barrier Median	16054	Concrete Median Barrier
16000-16999	XSC_Ditch	16056	Ditch
16000-16999	XSC_Ditch Elevation Text	16058	Ditch Elevation Text
16000-16999	XSC_Earthwork Shapes	16060	Earthwork Shapes
16000-16999	XSC_Hatching	16062	Hatching
16000-16999	XSC_Exist Ground	16064	Existing Ground line
16000-16999	XSC_Exist Pavement	16066	Exist Pavement
16000-16999	XSC_Exist Shoulder	16068	Exist Shoulder
16000-16999	XSC_Guard Rail	16070	Guard Rail
16000-16999	XSC_Retaining Wall	16072	Retaining Wall
16000-16999	XSC_Proposed Sawcut	16074	Proposed Sawcut
16000-16999	XSC_Proposed Swale	16076	Proposed Swale
16000-16999	XSC_Clear Zone	16078	Clear Zone
16000-16999	XSC_Limits of Construction	16080	Limits of Construction
16000-16999	XSC_LOC offset text	16082	LOC offset text
16000-16999	XSC_Existing Easement XS Line	16084	Existing Easement XS Line
16000-16999	XSC_Existing Easement XS Text	16086	Existing Easement XS Text
16000-16999	XSC_Proposed Easement XS Line	16088	Proposed Easement XS Line
16000-16999	XSC_Proposed Easement XS Text	16090	Proposed Easement XS Text
16000-16999	XSC_Proposed Base Line	16092	Proposed Base Line
16000-16999	XSC_Existing ROW XS Line	16094	Existing ROW XS Line
16000-16999	XSC_Existing ROW XS Text	16096	Existing ROW XS Text
16000-16999	XSC_Proposed ROW XS Line	16098	Proposed ROW XS Line
16000-16999	XSC_Proposed ROW XS Text	16100	Proposed ROW XS Text
16000-16999	XSC_Slope Text	16102	Slope Text Symbology

	Level Name	Number	Description
16000-16999	XSC_Shoulder Slope Text	16104	Shoulder Slope Text Symbology
16000-16999	XSC_Profile Grade Report Text	16106	Profile Grade Report Text
16000-16999	XSC_Section Grid	16200	Cross Section Grid
16000-16999	XSC_Section Axis	16210	Cross Section Axis
17000-17999	PRF	17000	Profiles (Roadway, Drainage and Retaining Wall)
17000-17999	PRF_Grid	17010	Profile Grid
17000-17999	PRF_Axis	17012	Profile Axis
17000-17999	PRF_Annot	17014	Profile Text
17000-17999	PRF_RD_Ex_PGL	17016	Existing Profile Grade
17000-17999	PRF_RD_Ex_PGL_Elev	17018	Existing Profile Grade Elev
17000-17999	PRF_RD_Ex_Grnd_LT	17020	Existing Ground Profile Left
17000-17999	PRF_RD_Ex_Grnd_RT	17022	Existing Ground Profile Right
17000-17999	PRF_RD_Ex_Grnd_Elev_LT	17024	Existing Ground Elev Left
17000-17999	PRF_RD_Ex_Grnd_Elev_RT	17026	Existing Ground Elev Right
17000-17999	PRF_RD_Ex_Curb_LT	17028	Existing Curb Left
17000-17999	PRF_RD_Ex_Curb_RT	17030	Existing Curb Right
17000-17999	PRF_RD_Ex_Ditch_LT	17032	Existing Ditch Left
17000-17999	PRF_RD_Ex_Ditch_RT	17034	Existing Ditch Right
17000-17999	PRF_RD_Ex_Drvwy_LT	17036	Existing Driveway Left
17000-17999	PRF_RD_Ex_Drvwy_RT	17038	Existing Driveway Right
17000-17999	PRF_RD_Ex_Pvmt_LT	17040	Existing Pavement Edge Left
17000-17999	PRF_RD_Ex_Pvmt_RT	17042	Existing Pavement Edge Right
17000-17999	PRF_RD_Ex_Util_Culv_LT	17044	Existing Culverts Left
17000-17999	PRF_RD_Ex_Util_Culv_RT	17046	Existing Culverts Right
17000-17999	PRF_RD_Ex_Util_Misc_LT	17048	Existing Misc Utility Left
17000-17999	PRF_RD_Ex_Util_Misc_RT	17050	Existing Misc Utility Right
17000-17999	PRF_RD_Ex_Util_San_LT	17052	Existing Sanitary Sewer Left Side Profile
17000-17999	PRF_RD_Ex_Util_San_RT	17054	Existing Sanitary Sewer Right Side Profile
17000-17999	PRF_RD_Ex_Util_Storm_LT	17056	Existing Storm Sewer Left Side Profile
17000-17999	PRF_RD_Ex_Util_Storm_RT	17058	Existing Storm Sewer Right Side Profile
17000-17999	PRF_RD_Ex_Util_Water_LT	17060	Existing Watermains Left Side Profile
17000-17999	PRF_RD_Ex_Util_Water_RT	17062	Existing Watermains Right Side Profile
17000-17999	PRF_RD_Pr_PGL	17064	Proposed Profile Grade
17000-17999	PRF_RD_Pr_PGL_Elev	17066	Proposed Profile Grade Elev
17000-17999	PRF_RD_Pr_PGL_Data	17068	Proposed Profile Grade Curve Data
17000-17999	PRF_RD_Pr_PGL_Text	17070	Proposed Profile Grade PVI PVC/PVT Text
17000-17999	PRF_RD_Pr_PGL_LT	17072	Proposed Ground Profile Left
17000-17999	PRF_RD_Pr_PGL_RT	17074	Proposed Ground Profile Right
17000-17999	PRF_RD_Pr_PGL_Elev_LT	17076	Proposed Ground Elev Left
17000-17999	PRF_RD_Pr_PGL_Elev_RT	17078	Proposed Ground Elev Right
17000-17999	PRF_RD_Pr_Curb_LT	17080	Proposed Curb Left
17000-17999	PRF_RD_Pr_Curb_RT	17082	Proposed Curb Right
17000-17999	PRF_RD_Pr_Ditch_LT	17084	Proposed Ditch Left
17000-17999	PRF_RD_Pr_Ditch_RT	17086	Proposed Ditch Right
17000-17999	PRF_RD_Pr_Drvwy_LT	17088	Proposed Driveway Left
17000-17999	PRF_RD_Pr_Drvwy_RT	17090	Proposed Driveway Right
17000-17999	PRF_RD_Pr_Pvmt_LT	17092	Proposed Pavement Edge Left
17000-17999	PRF_RD_Pr_Pvmt_RT	17094	Proposed Pavement Edge Right
17000-17999	PRF_RD_Pr_Util_Culv_LT	17096	Proposed Culverts Left

	Level Name	Number	Description
17000-17999	PRF_RD_Pr_Util_Culv_RT	17098	Proposed Culverts Right
17000-17999	PRF_RD_Pr_Util_Misc_LT	17100	Proposed Misc Utility Left
17000-17999	PRF_RD_Pr_Util_Misc_RT	17102	Proposed Misc Utility Right
17000-17999	PRF_RD_Pr_Util_San_LT	17104	Proposed Sanitary Sewer Left Side Profile
17000-17999	PRF_RD_Pr_Util_San_RT	17106	Proposed Sanitary Sewer Right Side Profile
17000-17999	PRF_RD_Pr_Util_Storm_LT	17108	Proposed Storm Sewer Left Side Profile
17000-17999	PRF_RD_Pr_Util_Storm_RT	17110	Proposed Storm Sewer Right Side Profile
17000-17999	PRF_RD_Pr_Util_Water_LT	17112	Proposed Watermains Left Side Profile
17000-17999	PRF_RD_Pr_Util_Water_RT	17114	Proposed Watermains Right Side Profile
17000-17999	PRF_RD_Top_Weathered_Rock	17116	Top of Weathered Rock
17000-17999	PRF_RD_Top_UnWeathered_Rock	17118	Top of UnWeathered Rock
17000-17999	PRF_DR_Pr_Strm	17120	Proposed Storm sewer
17000-17999	PRF_DR_Ex_Strm	17122	Existing Storm sewer
17000-17999	PRF_DR_Pr_Strm_Cntr	17124	Proposed Storm sewer centerline
17000-17999	PRF_DR_Pr_Strm_IDLabel	17126	Proposed Storm sewer ID Labels
17000-17999	PRF_DR_Pr_Strm_Station	17128	Proposed Storm sewer stationing
17000-17999	PRF_DR_Pr_Strm_Hdwl	17130	Proposed Storm sewer headwall
17000-17999	PRF_DR_Pr_Strm_Mnhl	17132	Proposed Storm sewer manhole
17000-17999	PRF_DR_Pr_Strm_Strc	17134	Proposed Storm sewer structures
17000-17999	PRF_DR_Pr_Strm_HGL	17136	Proposed Storm sewer HGL
17000-17999	PRF_DR_Ex_Strm_Grnd	17138	Existing Ground
17000-17999	PRF_DR_Pr_Strm_Grnd	17140	Proposed Ground
17000-17999	PRF_DR_Ex_Strm_Elev	17142	Existing ground elevations
17000-17999	PRF_DR_Pr_Strm_Elev	17144	Proposed storm sewer flowline elevations
17000-17999	PRF_DR_Pr_Strm_Text	17146	Proposed storm sewer Misc Annotation
17000-17999	PRF_RD_Pr_Retw	17150	Proposed Retaining Wall
17000-17999	PRF_RD_Pr_Retw_TW	17152	Proposed Top of Wall
17000-17999	PRF_RD_Pr_Retw_TW_Elev	17154	Proposed Top of Wall Elevations
17000-17999	PRF_RD_Pr_Retw_EG	17156	Proposed Wall Existing Grade
17000-17999	PRF_RD_Pr_Retw_EG_Elev	17158	Proposed Wall Existing Grade Elevations
17000-17999	PRF_RD_Pr_Retw_FG	17160	Proposed Wall Finish Grade
17000-17999	PRF_RD_Pr_Retw_FG_Elev	17162	Proposed Wall Finish Grade Elevations
17000-17999	PRF_RD_Pr_Retw_BW	17164	Proposed Bottom of Wall
17000-17999	PRF_RD_Pr_Retw_BW_Elev	17166	Proposed Bottom of Wall Elevations
17000-17999	PRF_RD_Ex_Retw	17168	Existing Retaining Wall
17000-17999	PRF_RD_Ex_Retw_TW	17170	Existing Top of Wall
17000-17999	PRF_RD_Ex_Retw_TW_Elev	17172	Existing Top of Wall Elevations
17000-17999	PRF_RD_Ex_Retw_BW	17174	Existing Bottom of Wall
17000-17999	PRF_RD_Ex_Retw_BW_Elev	17176	Existing Bottom of Wall Elevations
18000-18999	RM	18000	General items marked to be removed
18000-18999	RM_Bridge	18002	Remove Bridge
18000-18999	RM_Pvmt	18004	Remove Pavement
18000-18999	RM_Concrete	18006	Remove Concrete
18000-18999	RM_Shldr	18008	Remove Shoulder
18000-18999	RM_Asph	18010	Remove Asphalt (pavement surface, shoulder, curb)
18000-18999	RM_Curb	18012	Remove Curb & Gutter
18000-18999	RM_Drvwy	18014	Remove Driveway
18000-18999	RM_Sidewalk	18016	Remove Sidewalk

	Level Name	Number	Description
18000-18999	RM_Building	18018	Remove Building
18000-18999	RM_Fence	18020	Remove Fence
18000-18999	RM_Guardrail	18022	Remove Guardrail
18000-18999	RM_Barrier	18024	Remove Barriers
18000-18999	RM_Misc	18026	Miscellaneous Removals
18000-18999	RM_Tree	18028	Remove Trees
18000-18999	RM_Annot	18030	Removal Text
18000-18999	RM_Hazardous Material	18032	Areas containing hazardous waste material to be removed
18000-18999	RM_Util_UG	18034	Remove Under Ground Utilities
18000-18999	RM_Util_AG	18036	Remove Utilities Above Ground
18000-18999	RM_Aban_Util_UG	18038	Abandon Under Ground Utilities
18000-18999	RM_Aban_Util_AG	18040	Abandon Above Ground Utilities
18000-18999	RM_Util_San	18042	Remove Sanitary Sewer
18000-18999	RM_Util_Storm	18044	Remove Storm Sewer
18000-18999	RM_Util_Culv	18046	Remove Culverts
18000-18999	RM_Util_Water	18048	Remove Watermains