

SECTION A

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Document Convention

Typefaces

Bold Can indicate several items. First a command name, parameter name, or dialog box title. Command paths are shown using an arrow between command names.

Example: Choose **File > Open** to load a new file.

Second, a system prompt or message, which requires an action be taken by the user.

Example: **Select first segment of alignment**

ALL CAPS Used for project related variable in names of Files and Folders.

Example: minn1234.dgn would be shown as COUNPCN#.dgn

PCN# refers to the four-character designation for the PCN
COUN refers to the four-character designation for the county
STA refers to station (expressed without +00)
ALIGN refers to alignment name

? Used in file name to indicate a variable.

r -Rural scale
s -Suburban scale
u -Urban scale

Example: t1234u.dgn would be shown as tPCN#?.dgn

XX Used in folder name to indicate different groups.

| | |
|----------|-------------------|
| regionA | Aberdeen Region |
| regionM | Mitchell Region |
| regionP | Pierre Region |
| regionRC | Rapid City Region |
| rd | Road Design |
| br | Bridge Design |

Example: RegionP would be shown as RegionXX
or rd would be shown as XX.

Drives

All project related files will be worked on and stored on the server. The server is “\\Espr1c6srv\dot” which is mapped as your U: . This drive could be referred to as the U: drive or server.

All configuration and other miscellaneous file for MicroStation, InRoads and FieldWorks are stored on the local drive or C: .

Shortcuts

Since almost all files for each project are in the project folder it is simpler to start MicroStation, InRoads or FieldWorks in the project folder. By starting the program in the project folder, most dialog boxes will come up with the correct folder by default and will reduce changing folders. This can be done from NT Explore or you could create a shortcut per project.

Shortcut for InRoads per Project

1. Right Click the **SelectCAD Icon** on your desktop and drag it to a new location and release. A box will appear with some commands select **Copy Here**.
2. Right Click the **InRoads Icon** created. A dialog box of choices come up.
 - a) Select **Rename**.
 - b) Type in a name in box below the icon.
Example: COUNPCN#
3. Again, Right Click the **InRoads Icon** created. A dialog box of choices come up.
 - a) Select **Properties**. A dialog box will come up.
 - b) Select **Shortcut** tab at the top of the dialog box.
 - c) In the Start In: box, type the path.
Example: U:\rd\prj\COUNPCN#
 - d) Select **OK**.

Project Folders

Project Folders will be broken up by regions and groups. Project Folders should always begin with COUN (the four-character abbreviation is found on sheet A-6) and end with PCN# (Project Control Number). Project Folders should always be a sub folder of the prj folder.

Abandonment transfers will be stored in separate folders as a sub folder of Aban_Trans. They will also be broken up by regions and groups, and will begin with COUN (the four-character abbreviation is found on sheet A-6) and end in PCN# (the PCN or assigned ID).

Note: If the project is in multiple counties, then use the county that is the farthest West or South. If the project is statewide then use SD.

Note: If a PCN does not exist for the work being done then store the files in Misc not prj or get a PCN assigned.

Naming Convention

Some of the standard naming conventions have been listed below. If you need to create a file that doesn't have an established name then create one that has some meaning. File names such as "junk", "bob", etc. are unacceptable.

Files containing information for the entire project shall include PCN# in the file name. Generally these files are a complete project layout and are to be a State Plane Coordinates.

1. **Survey :** The following files are available from survey in the region project folder:

(U:\regionXX\prj\COUNPCN#) (These files are read only in the Central Office)

| Name | Created By: | Description |
|-------------|--------------|--|
| PCN#org.dtm | Field Office | Original Ground Surface |
| PCN#org.alg | Field Office | Original Survey Geometry |
| PCN#lt.alg | Road Design | Add'l Land Tie Geometry (only if surveyed separately) |
| tPCN#?.dgn | Field Office | Topography (Graphics) |
| PCN#lt.dgn | Road Design | Add'l Land Ties (Graphics) (only if surveyed separately) |

2. **Road Design :** The following files are available from road design project folder: (U:\rd\prj\COUNPCN#)

All files from other offices will be referenced or opened from their appropriate folder. All efforts should be made to not copy files from other office's folders.

MicroStation Files: (U:\rd\prj\COUNPCN#)

| Type | Name | Logical | Description |
|----------------|---------------|---------|---|
| ROW Files | rPCN#.dgn | r | ROW Project Layout |
| | stripmap.dgn | | Strip Map for Project |
| | mosiac.dgn | | Project Mosiac |
| Drafter Files | dPCN#?.dgn | d | Drafting Project Layout |
| | cgPCN#.dgn | cg | Curb and Gutter Project Layout |
| | fPCN#.dgn | f | Traffic Project Layout |
| Designer Files | ePCN#.dgn | e | Designer Project Layout |
| | xPCN#.dgn | x | Cross Sections |
| | pPCN#.dgn | p | Pipe Cross Sections |
| | gPCN#.dgn | g | Erosion Control Project Layout |
| | yPCN#.dgn | | Traffic Designer Project Layout |
| | stakePCN#.dgn | | Layout used for Construction Staking |
| | sPCN#.dgn | | Storm Sewer Project Layout |
| Plan Sheets | cPCN#.dgn | c | Contours and Triangles Project Layout |
| | title.dgn | | Title Sheet |
| | title?.dgn | | Cover Sheet for Section (b-z) |
| | typ.dgn | | Typical Sheet |
| | toposymb.dgn | | Topography Symbology & Legend |
| | STA.dgn | | Plan /Profile Sheets (Beginning Station) |
| | STAv.dgn | | Profile Sheet (Beginning Station) |
| | STAcg.dgn | | Curb & Gutter Sheets (Beginning Station) |
| | STAgr.dgn | | Guard Rail Sheets (Beginning Station) |
| | STAp.dgn | | Plats (Beginning Station) |
| | STARow.dgn | | ROW Plan Sheets (Beginning Station) |
| | STAc.dgn | | Conduit Sheets (Intersection Station) |
| | STAES.dgn | | Existing Signal Sheets (Intersection Station) |
| | STAs.dgn | | Signal Sheets (Intersection Station) |

MicroStation Files: (U:\rd\prj\COUNPCN#)

| Type | Name | Logical | Description |
|-------------|-------------|---------|--|
| Plan Sheets | STAw.dgn | | Signal Wiring Diagrams (Intersection Station) |
| | STAp.m.dgn | | Pavement Marking Sheets (Begin or Inter. Sta) |
| | STASTAr.dgn | | Lighting Removal Sheets (Begin Sta-End Sta) |
| | STASTAw.dgn | | Field Wiring Diagrams (Begin Sta-End Sta) |
| | STAtime.dgn | | Signal Timing Diagram |
| | tsd.dgn | | Time-Space Diagram |
| | STAss.dgn | | Alternate - Storm Sewer Sheets (Begin Station) |
| | STARw.dgn | | Alternate - ROW Layout Sheets (Begin Station) |
| | STAc.dgn | | Erosion Control Sheets (Beginning Station) |
| | STAla.dgn | | Landscape Sheets (Beginning Station) |

Note: For Non-Mainline Sheets include Alignment Name(See Below) after STA.

MicroStation Files: From other Offices (U:\XX\prj\COUNPCN#)

| Type | Name | Logical | Description |
|----------------------|------------|---------|--|
| Survey Files | tPCN#?.dgn | t | Topography Project Layout |
| | PCN#lt.dgn | lt | Land Ties (only if surveyed separately) |
| Surfacing | jPCN#.dgn | j | Surfacing Joint Project Layout (XX refers to ms) |
| Bridge | bPCN#.dgn | b | Bridge Project Layout (XX refers to br) |
| Subsurface Utilities | uPCN#?.dgn | u | Subsurface utilities Project Layout (XX refers to row) |

InRoads Files: (U:\rd\prj\COUNPCN#)

| Type | Name | Location |
|------------------------------------|--------------|---------------------------------------|
| Project File | PCN#.rwk | (U:\rd\prj\COUNPCN#) |
| Geometry Files | | |
| ROW | rPCN#.alg | (U:\rd\prj\COUNPCN#) |
| Drafter | dPCN#.alg | (U:\rd\prj\COUNPCN#) |
| Traffic Drafter | fPCN#.alg | (U:\rd\prj\COUNPCN#) |
| Engineer | ePCN#.alg | (U:\rd\prj\COUNPCN#) |
| Survey | PCN#org.alg | (U:\regionXX\prj\COUNPCN#) |
| | PCN#lt.alg | (U:\regionXX\prj\COUNPCN#) |
| Template Libraries | | |
| Base | sddot.tml | (U:\rd\Bentley\Civil\data\English) |
| Project | PCN#.tml | (U:\rd\prj\COUNPCN#) |
| Roadway Library | PCN#.rwl | (U:\rd\prj\COUNPCN#) |
| Surfaces | PCN#org.dtm | (U:\regionXX\prj\COUNPCN#) |
| mainline - subgrade | subgrade.dtm | (U:\rd\prj\COUNPCN#) |
| mainline - undercut | undercut.dtm | (U:\rd\prj\COUNPCN#) |
| mainline - finish | finish.dtm | (U:\rd\prj\COUNPCN#) |
| other alignments – See below | subALIGN.dtm | (U:\rd\prj\COUNPCN#) |
| other alignments – See below | undALIGN.dtm | (U:\rd\prj\COUNPCN#) |
| other alignments – See below | finALIGN.dtm | (U:\rd\prj\COUNPCN#) |
| Surface for Storm Sewer | storm.dtm | (U:\rd\prj\COUNPCN#) |
| Surface for Select Topping | select.dtm | (U:\rd\prj\COUNPCN#) |
| Existing Subsurface Utilities | utilites.dtm | (U:\rd\prj\COUNPCN#) |
| Strom and Sanitary Drainage file | PCN#.sdb | (U:\rd\prj\COUNPCN#) |
| General Preference File | civil.ini | (C:\Program Files\Bentley\Civil\data) |
| General Annotation Preference File | wysiwyg.ini | (C:\Program Files\Bentley\Civil\data) |

Alignment Names: **Note: Name for roadway modeler is the same as the Alignment.**

| | |
|----------|--|
| mainline | construction center line |
| US## | Intersecting Highway - number proceeded by SD or US (EX. SD45) |
| xrSTA | minor cross roads - mainline station of intersection (EX. xr445 for cross road at 445+21) |
| frSTA | frontage roads - beginning station which matched mainline stationing. (EX. fr445 for frontage road starting at 445+21) |
| detSTA | detour - mainline station of intersection |
| drSTA | drainage alignment - mainline station of intersection |
| rampA | ramp naming convention – see Road Design Manual Chapter 13 – Interchanges (pg 13-8 to 13-10) labeling alphabetically starting in NE quad |
| EB | divided highways with two mainlines (EX. SB for southbound) |
| b# | section lines, quarter lines, sixteen lines, property lines, etc. |
| e# | existing row line |
| ec# | existing center line |
| A# | proposed row lines |
| te# | temporary easements |
| area# | Areas for ROW |

Iplot Plot Sets: (U:\rd\prj\COUNPCN#)

| | |
|---------------------|--|
| PCN#_Section?.ips | All MicroStation Sheets for the Section. |
| PCN#_NonSection.ips | All MicroStation Sheets |
| PCN#_plats.ips | All Plats for the Project. |
| PCN#_ROWPlans.ips | All ROW Plan Sheets for Project |

Adobe Acrobat Files: (U:\rd\prj\COUNPCN#)*

| | |
|-----------------------|---|
| PCN#_Plats.pdf | All sheets for plats |
| PCN#_ROWPlans.pdf | All sheets for ROW plans |
| PCN#_Section?.pdf | All sheets for section. |
| PCN#_NonSection.pdf | All sheets for Non-section method. |
| PCN#_Section?Add#.pdf | Sheets revised for Addendum |
| PCN#_Section?CCO#.pdf | Sheets revised for CCO |
| StripMap.pdf | Strip Map for Project – Stored in Documents subfolder |

* **PDFs that are not Plans/Plats/ROW Plans are stored in the Documents subfolder (if useful to others) or H: drive (if not needed by others).**

Other Files:

| | |
|------------------------|---|
| ewPCN#.xls | Earthwork Computation Worksheets for Project. |
| PCN#fence.xls | Table of Fence Quantities Sheets for Project. |
| PCN#pipe.xls | Table of Pipe Quantities Sheets for Project. |
| PCN#notes.doc | Plan Notes Sheets for Project. |
| PCN#horizontal.doc | Horizontal Alignment Data Sheet for Project. |
| PCN#control.doc | Control Data Sheet for Project. |
| PCN#ec.doc | Erosion Control Notes Sheet for Project. |
| PCN#la.doc | Landscape Notes Sheet for Project. |
| STARow?.tif | Aerial Photos for ROW Sheet. |
| DTMNAME_Bluetop.txt | Blue top report for DTM |
| DTMNAME_Slopestake.txt | Slope stake notes for DTM |
| mosaic?.tif | Aerial Photos for mosaic |

Other Folders:(U:\rd\prj\COUNPCN#)

| | |
|-------------------|---|
| Documents | Contains correspondence document files for the Project. |
| Plans Comments | Documents subfolder for plan review comments for the Project. |
| Drainage* | Contains all drainage related files for the Project. |
| Consultant Files | Folder for subfolders of consultant files not in Section B. |
| Section? | Subfolder for Section (EX. SectionC) (Except Section?.pdf) <i>For the Project Design Consultant Files Only</i> |
| Email* | For E-Mail relating to the Project. |
| Images | Folder for subfolders of pictures for Project. |
| Month Day, Year* | Subfolder name-(EX. October 28, 1999) |
| Other Agencies | Folder for subfolders for files received from other agencies. Create a subfolder for each agency. |
| Accident Reports* | Other Agencies subfolder for Accident Reports related to the Project |
| Noise | Contains all files for Project Noise Study |
| Staking | Contains all files for Staking Information for Project. |
| Scope Options* | Contains all files for Corridor Scope Design Options. |
| Traf* | Contains all files for Signal Timing and Progression and Lighting. |

* Additional subfolders acceptable

Note: If other folders are needed please work with your supervisor before creating new folders.

County Abbreviation Naming Convention

| FIPS Code | DOT Code | County | Abbr | FIPS Code | DOT Code | County | Abbr |
|-----------|----------|-------------|------|-----------|----------|------------|------|
| 003 | 02 | Aurora | auro | 067 | 34 | Hutchinson | huch |
| 005 | 03 | Beadle | bead | 069 | 35 | Hyde | hyde |
| 007 | 04 | Bennett | benn | 071 | 36 | Jackson | jack |
| 009 | 05 | Bon Homme | bonh | 073 | 37 | Jerald | jrl |
| 011 | 06 | Brookings | brok | 075 | 38 | Jones | jons |
| 013 | 07 | Brown | brwn | 077 | 39 | Kingsbury | king |
| 015 | 08 | Brule | brul | 079 | 40 | Lake | lake |
| 017 | 09 | Buffalo | buff | 081 | 41 | Lawrence | lawr |
| 019 | 10 | Butte | bute | 083 | 42 | Lincoln | linc |
| 021 | 11 | Campbell | camb | 085 | 43 | Lyman | lymn |
| 023 | 12 | Charles Mix | cmix | 087 | 44 | Mccook | mcck |
| 025 | 13 | Clark | clrk | 089 | 45 | Mcperson | mcph |
| 027 | 14 | Clay | clay | 091 | 46 | Marshall | mrsh |
| 029 | 15 | Codington | codn | 093 993 | 47 | Meade | mead |
| 031 | 16 | Corson | cors | 095 | 48 | Mellette | mell |
| 033 | 17 | Custer | cust | 097 | 49 | Miner | minr |
| 035 | 18 | Davison | davs | 099 | 50 | Minnehaha | minn |
| 037 | 19 | Day | day | 101 | 51 | Moody | mody |
| 039 | 20 | Deuel | duel | 103 903 | 52 | Pennington | penn |
| 041 | 21 | Dewey | dewy | 105 | 53 | Perkins | perk |
| 043 | 22 | Douglas | doug | 107 | 54 | Potter | pott |
| 045 | 23 | Edmunds | edms | 109 | 55 | Roberts | robt |
| 047 | 24 | Fall River | friv | 111 | 56 | Sanborn | sanb |
| 049 | 25 | Faulk | falk | 113 | 57 | Shannon | shan |
| 051 | 26 | Grant | grnt | 115 | 58 | Spink | spnk |
| 053 | 27 | Gregory | greg | 117 | 59 | Stanley | stan |
| 055 | 28 | Haakon | hakn | 119 | 60 | Sully | suly |
| 057 | 29 | Hamlin | haml | 121 | 61 | Todd | todd |
| 059 | 30 | Hand | hand | 123 | 62 | Tripp | trip |
| 061 | 31 | Hanson | hans | 125 | 63 | Turner | turn |
| 063 | 32 | Harding | hard | 127 | 64 | Union | unin |
| 065 | 33 | Hughes | hugh | 129 | 65 | Walworth | wlth |
| | | | | 135 | 68 | Yankton | yank |
| | | | | 137 | 69 | Ziebach | zieb |

MICROSTATION SYMBOLOGY

Drafter

| | | |
|----------|------------------------------------|------------|
| SYMB - 2 | Curb and Gutter Project Layout | cgPCN#.dgn |
| SYMB - 2 | Drafter Project Layout | dPCN#?.dgn |
| SYMB - 3 | Plan Sheet | STA.dgn |
| SYMB - 4 | Erosion Control Plan Sheet | STAcc.dgn |
| SYMB - 4 | Title Sheet for Project | title.dgn |
| SYMB - 4 | Section B Cover Sheet | titleb.dgn |
| SYMB - 4 | Typical Section Sheets for Project | typ.dgn |
| SYMB - 5 | Text sizes for plan sheets | |

Engineer

| | | |
|----------|-------------------------------------|-----------|
| SYMB - 6 | Contours & Triangles Project Layout | cPCN#.dgn |
| SYMB - 7 | Engineer Project Layout | ePCN#.dgn |
| SYMB - 8 | Pipe Sheets for Project | pPCN#.dgn |
| SYMB - 8 | Cross Section Sheets for Project | xPCN#.dgn |

R.O.W

| | | |
|-----------|--------------------|-----------|
| SYMB - 9 | ROW Project Layout | rPCN#.dgn |
| SYMB - 10 | Plat | STAp.dgn |

TOPOG

| | | |
|-----------|---------------------------|------------|
| SYMB - 11 | Topography Project Layout | tPCN#?.dgn |
|-----------|---------------------------|------------|

Traffic

| | | |
|-----------|-------------------------|-------------|
| SYMB - 13 | Signal Wiring Diagram | STAw.dgn |
| SYMB - 13 | Lighting Wiring Diagram | STASTAw.dgn |
| SYMB - 13 | Conduit Sheet | STAc.dgn |
| SYMB - 13 | Lighting Sheet | STASTAl.dgn |
| SYMB - 13 | Pavement Marking Sheet | STApm.dgn |
| SYMB - 13 | Existing Signal Sheet | STAs.dgn |
| SYMB - 13 | Signal Sheet | STAs.dgn |

Levels, Color, Weight & Style For Drawings

ALL LINE STYLES ARE A STYLE OF 0 IF NOT SPECIFIED

| <i>CG(PCN#).DGN</i> | <i>LEVELS</i> | <i>COLOR</i> | <i>WEIGHT</i> | <i>STYLE</i> | <i>CELLS</i> |
|-----------------------------------|---------------|--------------|---------------|--------------|--------------|
| CONSTRUCTION CENTERLINE | 1 | 6 | 5 | 0 | |
| STATION & TICK MARKS | 2 | 6 | 2 | 0 | |
| PT & RADIUS POINTS | 9 | 2 | 1 | 0 | |
| STATION TEXT | 9 | 2 | 1 | 0 | |
| SHOULDER | 16 | 4 | 1 | 0 | |
| EDGE OF CONCRETE | 17 | 0 | 1 | 0 | |
| DRIVEWAYS | 18 | | | | |
| CURB & GUTTER | 19 | 2 | 1 | 0 | |
| TYPE P GUTTER DRIVEWAY DIMENSIONS | 19 | 2 | 1 | 0 | |
| SIDEWALK | 19 | 2 | 1 | 0 | |
| APPROACH PAVEMENT | 21 | 2 | 1 | 0 | |
| FILLETS | 24 | 2 | 1 | 0 | |
| MOUNTABLE MEDIAN PAVEMENT | 25 | | | | |
| ASPHALT AREAS | 26 | | | | |
| SPECIAL TYPES OF PAVEMENT | 27 | | | | |
| RETAINING WALLS | 30 | 112 | 3 | 0 | |
| BRIDGES OR BOX CULVERETS | 30 | 77 | VARIES | 0 | |
| EASEMENT NOTES | 31 | 24 | 2 | 0 | |
| | 42 | | | | |

| <i>D(PCN#)R.DGN</i> | <i>D(PCN#)S.DGN</i> | <i>D(PCN#)U.DGN</i> | <i>LEVELS</i> | <i>COLOR</i> | <i>WEIGHT</i> | <i>STYLE</i> | <i>CELLS</i> |
|--------------------------------|---------------------|---------------------|---------------|--------------|---------------|--------------|--------------|
| MAINLINE HORIZONTAL ALIGNMENT | | | 1 | 6 | 5 | 0 | |
| MAINLINE HORIZONTAL STATIONING | | | 2 | 6 | 2 | 0 | |
| | | | | | | | |
| MAINLINE HORIZONTAL BEARINGS | | | 4 | 6 | 2 | 0 | |
| | | | | | | | |
| | | | | | | | |
| | | | 10 | 6 | 2 | 0 | |
| DETOUR ALIGNMENT | | | 11 | 6 | 5 | 0 | |
| DETOUR STATIONING | | | 12 | 6 | 2 | 0 | |
| EASEMENT SHAPE | | | 13 | 3 | 1 | 0 | |
| EASEMENT SHADING | | | 13 | 9 | | OUTLINE | |
| DETOUR BEARINGS | | | 14 | 6 | 2 | 0 | |
| | | | 15 | | | | |
| | | | 16 | | | | |
| ENTRANCES | | | 17 | 2 | 1 | 0 | |
| VERTICAL BENCH MARKS | | | 18 | 6 | 2 | 0 | BMNOTE |
| VERTICAL ENTRANCE NOTES | | | 19 | 2 | 2 | 0 | |

| <i>dPCN#r.dgn</i> | <i>dPCN#s.dgn</i> | <i>dPCN#u.dgn</i> | LEVELS | COLOR | WEIGHT | STYLE | CELLS |
|--|-------------------|-------------------|------------------|--------------|---------------|--------------|--------------|
| VERTICAL ALIGNMENT | | | 20 | 6 | 2 | 0 | |
| VERTICAL SPECIAL DITCH GRADE (LEFT) | | | 20 | 31 | 2 | 0 | |
| VERTICAL SPECIAL DITCH GRADE (RIGHT) | | | 20 | 30 | 2 | 0 | |
| VERTICAL ELEVATIONS | | | 21 | 6 | 2 | 0 | |
| VERTICAL STATIONING | | | 22 | 6 | 3 | 0 | |
| VERTICAL SIDE ELEVATIONS (LEFT/RIGHT) | | | 10-R/23 L | | | | |
| VERTICAL EARTHWORK NOTES & HAUL NOTES | | | 23 | 10 | 2 | 0 | |
| VERTICAL GRADES | | | 24 | 6 | 2 | 0 | |
| VERTICAL CURVE DATA | | | 25 | 6 | 2 | 0 | |
| VERTICAL SPECIAL DITCH GRADE NOTES (LEFT) | | | 25 | 31 | 2 | 0 | |
| VERTICAL SPECIAL DITCH GRADE NOTES (RIGHT) | | | 25 | 30 | 2 | 0 | |
| FENCE | | | 26 | 5 | 1 | 0 | |
| | | | 27 | | | | |
| | | | 28 | | | | |
| | | | 29 | | | | |
| DRAINAGE ARROWS, DITCH BLOCKS, DITCH BLOCK NOTES & FLOWLINE ELEVATIONS | | | 30 | 77 | Varies | 0 | |
| PIPE, BOX CULVERTS & STRUCTURES | | | 30 | 77 | 8 | 0 | |
| PERIMETER (WORK LIMITS) | | | 32 | 2 | 0 | 2 | |
| | | | | | | | |
| | | | 49 | | | | |
| PROFILE BORDER | | | 50 | 3 | 2 | 0 | |
| PROFILE GRID | | | 51 | | | | |
| PROFILE GRID | | | 52 | 0 | 0 | 1 | |
| | | | 53 | | | | |

| <i>STA.dgn</i> | LEVELS | COLOR | WEIGHT | STYLE | CELLS |
|---|---------------|--------------|----------------------|---------------|--------------|
| ROW INFORMATION & SECTION, TOWNSHIP RANGE | 20 | 50/6 | Varies | Varies | |
| LANDOWNER NAMES & LEGAL DESCRIPTION | 33 | 50 | Varies | Varies | |
| CURVE DATA | 34 | 6 | 2 | 0 | |
| NORTH ARROW | 35 | 25 | 3 | 0 | |
| INSTALL NOTES | 36 | 77 | 2 | 0 | |
| RETAIN NOTES | 36 | 10 | 2 | 0 | |
| DO NOT DISTURB NOTES | 36 | 2 | 2 | 0 | |
| TAKE OUT NOTES | 37 | 2 | 2 | 0 | |
| EASEMENT NOTES & EASEMENT STATION OFFSETS | 38 | 3 | 1 & ROW/2 | 0 | |
| FENCE NOTES | 39 | 5 | 2 | 0 | |
| OBLITERATE NOTES | 40 | 2 | 2 | 0 | |
| ELIMINATE ENTRANCE NOTES | 40 | 2 | 2 | 0 | |

| <i>(STA)EC.DGN</i> | <i>LEVELS</i> | <i>COLOR</i> | <i>WEIGHT</i> | <i>STYLE</i> | <i>CELLS</i> |
|----------------------------------|---------------|--------------|---------------|--------------|--------------|
| EROSION CONTROL DRAWINGS & NOTES | 20 | | | | |
| PLOT SHAPE | 45 | | | | |
| REVISION NOTES | 59 | | | | |

| <i>TITLE.DGN</i> | <i>LEVELS</i> | <i>COLOR</i> | <i>WEIGHT</i> | <i>STYLE</i> | <i>CELLS</i> |
|--|---------------|--------------|---------------|--------------|--------------|
| NORTH ARROW | 2 | 25 | 0 | 0 | NARROW |
| INDEX | 11 | 10 | | | |
| SECTIONS <u>XX</u> | 12 | | | | |
| BEGIN AND END NOTES WITH LEADER & ARROW | 15 | 6 | VARIES | 0 | |
| PCN#S | 20 | 10 | 5 | 0 | |
| GROSS LENGTH | 20 | 10 | 2 | 0 | |
| PROJECT,LEADER & ARROW | 20 | 10 | VARIES | 0 | |
| PROJECT TITLE DESCRIPTIONS | 20 | 0 | 1 | 0 | |
| STATE OF SOUTH DAKOTA | 20 | 0 | 0 | 0 | |
| LEGEND | 20 | 10 | 1 | 0 | |
| LENGTH OF EXCEPTION | 21 | 10 | 2 | 0 | |
| DESIGN DESIGN.,STORM WATER PERMIT & SCALES | 21 | 10 | 1 | 0 | |
| INDEX OF SECTIONS | 21 | 10 | 3 | 0 | |
| INDEX OF SECTION NOTES | 21 | 10 | 2 | 0 | |
| ROW SCALES | 22 | 3 | 1 | 0 | |
| R.O.W. TITLE DESCRIPTIONS | 22 | 3 | 5 | 0 | |
| NOTES FOR ROW PLANS | 22 | 3 | 5 | 0 | |
| STATE MAP | 38 | 10 | 1 | 6 | |
| PLOT SHAPE | 45 | 2 | 0 | 7 | NAME |
| REVISION NOTE | 59 | 10 | | | |

| <i>TITLEB.DGN</i> | <i>LEVELS</i> | <i>COLOR</i> | <i>WEIGHT</i> | <i>STYLE</i> | <i>CELLS</i> |
|-------------------------------|---------------|--------------|---------------|--------------|--------------|
| SECTION B TITLE | 1 | 10 | 5 | 0 | |
| NORTH ARROW | 2 | 25 | VARIES | 0 | NARROW |
| INDEX OF SHEETS | 21 | 10 | 3 | 0 | |
| INDEX OF SHEETS CONTEXT | 21 | 10 | 1 | 0 | |
| BEGIN & END PROJECT AND NOTES | 59 | 6 | 2 | 0 | |

| <i>TYP.DGN</i> | <i>LEVELS</i> | <i>COLOR</i> | <i>WEIGHT</i> | <i>STYLE</i> | <i>CELLS</i> |
|-----------------------------------|---------------|--------------|---------------|--------------|--------------|
| ALL DRAWINGS,and\or DRAWING CELLS | 21 | 2 | 2 | 0 | |
| TEXT and\or TEXT CELLS | 22 | 4 | 2 | 0 | VARIES |
| PLOT SHAPES | 45 | 2 | 0 | 7 | NAME |

The Settings Set Refer to Text For Easements, Easement Notes & ROW

| <i>DESCRIPTION</i> | <i>SCALE</i> | <i>Color</i> | <i>HEIGHT</i> | <i>WEIGHT</i> | <i>SPACING</i> |
|---|--------------|---------------|---------------|---------------|----------------|
| RURAL | 200 | Varies | 14 | 2 | 7 |
| For Rural Plan Sheets-Station & Offset for Temporary Easements and for Permanent R.O.W. USE | | | | | |
| Easement Station & Offset | | 3 | 12 | 1 | 7 |
| {Proposed} Permanent R.O.W. | | 10 | 12 | 2 | |
| Easement Notes | | 3 | 14 | 2 | |
| Labeling the Section - Township - Range | | 50 | 25 | 5 | |
| Utilize text 14 & weight 2 for the rest of the R.O.W. information with the exception to text for lots, blocks, etc. Check with Bill or Cindy on R.O.W. | | | | | |
| SUBURBAN | 100 | Varies | 7 | 2 | 3.5 |
| For Suburban Plan Sheets-Station & Offset for Temporary Easements and for Permanent R.O.W. USE | | | | | |
| Easement Station & Offset | | 3 | 6 | 1 | 3.5 |
| {Proposed} Permanent R.O.W. | | 10 | 6 | 2 | |
| Easement Notes | | 3 | 7 | 2 | |
| Labeling the Section - Township - Range | | 50 | 12.5 | 5 | |
| Utilize text 7 & weight 2 for the rest of the R.O.W. information with the exception to text for lots, blocks, etc. Check with Bill or Cindy on R.O.W. | | | | | |
| URBAN | 40 | Varies | 3 | 2 | 1.5 |
| For Urban Plan Sheets-Station & Offset for Temporary Easements and for Permanent R.O.W. USE | | | | | |
| Easement Station & Offset | | 3 | 2.5 | 1 | 1.5 |
| {Proposed} Permanent R.O.W. | | 10 | 2.5 | 2 | |
| Easement Notes | | 3 | 3 | 2 | |
| Labeling the Section - Township - Range | | 50 | 5 | 5 | |
| Utilize text 3 & weight 2 for the rest of the R.O.W. information with the exception to text for lots, blocks, etc. Check with Bill or Cindy on R.O.W. | | | | | |

| <i>C(PCN#).DGN</i> | <i>LEVELS</i> | <i>COLOR</i> | <i>WEIGHT</i> | <i>STYLE</i> | <i>CELLS</i> |
|--------------------------------------|---------------|--------------|---------------|--------------|--------------|
| ORIGINAL CONTOURS - MAJOR | | 4 | 1 | 0 | |
| ORIGINAL CONTOURS - MINOR | 10 | 3 | 0 | 5 | |
| SUBGRADE CONTOURS - MAJOR | | 4 | 1 | 0 | |
| SUBGRADE CONTOURS - MINOR | 11 | 3 | 0 | 5 | |
| UNDERCUT CONTOURS - MAJOR | | 4 | 1 | 0 | |
| UNDERCUT CONTOURS - MINOR | 12 | 3 | 0 | 5 | |
| FINISH GRADE CONTOURS - MAJOR | | 4 | 1 | 0 | |
| FINISH GRADE CONTOURS - MINOR | 13 | 3 | 0 | 5 | |
| | | | | | |
| ORIGINAL TRIANGLES | 20 | 2 | 0 | 0 | |
| SUBGRADE TRIANGLES | 21 | 3 | 0 | 0 | |
| UNDERCUT TRIANGLES | 22 | 4 | 0 | 0 | |
| FINISH GRADE TRIANGLES | 23 | 6 | 0 | 0 | |
| | | | | | |
| PROFILE LINES | 27 | | | | |
| DATUM LINES | 28 | | | | |
| GRIDDED MODEL GRID - ORIGINAL | | 2 | 0 | 0 | |
| GRIDDED MODEL GRID - SUBGRADE | | 3 | 0 | 0 | |
| GRIDDED MODEL GRID - UNDERCUT | 29 | 4 | 0 | 0 | |
| GRIDDED MODEL GRID - FINISH | | 6 | 0 | 0 | |
| | | | | | |
| DTM POINT ELEVATIONS-DTM | | | | | |
| RANDOM SYMBOLS & CELLS | 32 | | | | |
| DTM BREAKLINE SYMBOLS, CELLS & LINES | 33 | | | | |
| DTM CONTOUR SYMBOLS, CELLS & LINES | 34 | | | | |
| DTM INFERRED SYMBOLS, CELLS & LINES | 35 | | | | |
| DTM INTERIOR SYMBOLS, CELLS & LINES | 36 | | | | |
| DTM EXTERIOR SYMBOLS, CELLS & LINES | 37 | | | | |
| | | | | | |
| COLOR-CIDED ELEVATIONS | 44 | | | | |
| COLOR-CODED ELEVATIONS | | | | | |
| LEGEND & FRAME | 45 | | | | |
| COLOR-CODED SLOPES | 46 | | | | |
| COLOR CODED SLOPE | | | | | |
| LEGEND TEXT & FRAME | 47 | | | | |
| | | | | | |
| SLOPE VECTORS & DIRECTION | 50 | | | | |
| SEGMENT CROSSING POINT | 51 | | | | |
| MISMATCHED ELEVATION | 52 | | | | |

| <i>E(PCN#)</i> | <i>LEVELS</i> | <i>COLOR</i> | <i>WEIGHT</i> | <i>STYLE</i> | <i>CELLS</i> |
|--|---------------|--------------|---------------|--------------|--------------|
| MAINLINE HORIZONTAL ALIGNMENT, PC, PT CELLS | 1 | | | | |
| MAINLINE HORIZONTAL STATIONING TICKS & TEXT | 2 | | | | |
| MAINLINE HORIZONTAL PC, PT LEADERS & TEXT | 3 | | | | |
| MAINLINE HORIZONTAL BEARINGS | 4 | | | | |
| MAINLINE HORIZONTAL CURVE DATA | 5 | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| PROFILE GRID (NOT USED) | 16 | | | | |
| PROFILE GRID (NOT USED) | 17 | | | | |
| PROFILE GRID (NOT USED) | 18 | | | | |
| PROFILE GRID (NOT USED) | 19 | | | | |
| | | | | | |
| VERTICAL ALIGNMENT, PC, PT CELLS | 20 | | | | |
| VERTICAL PROFILE ELEVATIONS | 21 | | | | |
| VERTICAL STATIONS | 22 | | | | |
| VERTICAL SIDE ELEVATIONS | 23 | | | | |
| VERTICAL GRADES | 24 | | | | |
| VERTICAL CURVE DATA | 25 | | | | |
| | | | | | |
| EASEMENT SHADING | 28 | | | | |
| EASEMENT NOTES | 29 | | | | |
| DRAINAGE | 30 | | | | |
| PERIMETER (WORK LIMITS) | 32 | | | | |
| | | | | | |
| ENTRANCES | 34 | | | | |
| SPECIAL DITCH TEXT | 35 | | | | |
| SPECIAL DITCH CELLS & SYMBOLS | 36 | | | | |
| PROFILE TITLE TEXT, BOX & AXIS | 50 | | | | |
| PROFILE LEGEND TEXT & BOX | 51 | | | | |
| PROFILE GRID | 52 | | | | |
| | | | | | |

| <i>P(PCN#).DGN</i> | <i>LEVELS</i> | <i>COLOR</i> | <i>WEIGHT</i> | <i>STYLE</i> | <i>CELLS</i> |
|---|---------------|--------------|---------------|--------------|---------------|
| TITLE BOX | 1 | | | | |
| PIPE END TREATMENT | 30 | 4 | 1 | 0 | VARIES |
| PIPE FLOWLINE & TOP | 31 | 77 | 1 | 0 | |
| PIPE TEXT | 32 | 77 | 1 | 0 | |
| PLOT SHAPE | 45 | 2 | 0 | 7 | |
| CROSS SECTION FIRST SURFACE - ORIGINAL | 50 | | | | |
| CROSS SECTION SECOND SURFACE - SUBGRADE | 51 | | | | |
| CROSS SECTION THIRD SURFACE - UNDERCUT | 52 | | | | |
| CROSS SECTION FOURTH SURFACE - FINISH | 53 | | | | |
| CROSS SECTION FIFTH SURFACE | 54 | | | | |
| SHEET TITLE & AXIS-CROSS SECTION ANNOTATION | 60 | | | | |
| CROSS SECTION GRID | 62 | 0 | 0 | 1 | |
| <i>X(PCN#).DGN</i> | <i>LEVELS</i> | <i>COLOR</i> | <i>WEIGHT</i> | <i>STYLE</i> | <i>CELLS</i> |
| EXCAVATION SHAPE | 20 | 4 | 1 | 0 | |
| EXCAVATION SHADE - UNSTABLE MATERIAL | | 4 | 1 | 0 | |
| EXCAVATION SHADE - MUCK | 21 | 6 | 1 | 0 | |
| EXCAVATION TEXT - UNSTABLE MATERIAL | | 4 | 1 | 0 | |
| EXCAVATION TEXT - MUCK | 22 | 6 | 1 | 0 | |
| ANNOTATION CROSS SECTION - ELEV | | 4 | 2 | 0 | |
| ANNOTATION CROSS SECTION - OFFSET | 40 | 27 | 2 | 0 | |
| PLOT SHAPE | 45 | 2 | 0 | 7 | |
| CROSS SECTION FIRST SURFACE - ORIGINAL | 50 | 2 | 2 | 2 | |
| CROSS SECTION SECOND SURFACE - SUBGRADE | 51 | 3 | 2 | 0 | |
| CROSS SECTION THIRD SURFACE - UNDERCUT | 52 | 4 | 2 | 3 | |
| CROSS SECTION FOURTH SURFACE - FINISH | 53 | 6 | 2 | 0 | |
| CROSS SECTION FIFTH SURFACE | 54 | | | | |
| MASS HAUL DATA LINE | 55 | 2 | 1 | 0 | |
| MASS HAUL TITLE TEXT | | 4 | 0 | 0 | |
| MASS HAUL AXIS | 56 | 3 | 2 | 0 | |
| MASS HAUL LABEL | | 77 | 0 | 0 | |
| MASS HAUL GRID - HORIZONTAL | | 0 | 0 | 1 | |
| MASS HAUL GRID - VERTICAL | 58 | 0 | 0 | 1 | |
| CROSS SECTION ADDITIONAL SURFACES | 59 | | | | |
| AXIS ANNOTATION | | 3 | 2 | 0 | |
| GRID STATION ANNOTATION | 60 | 7 | 2 | 0 | |
| CENTERLINE ELEV ANNOTATION | | 6 | 2 | 0 | |
| CROSS SECTION GRID | 62 | 0 | 0 | 1 | |

| <i>R(PCN#).DGN</i> | <i>LEVELS</i> | <i>COLOR</i> | <i>WEIGHT</i> | <i>TEXT R / U</i> | <i>CELLS</i> |
|---|---------------|--------------|---------------|-----------------------|--------------|
| MAINLINE HORIZONTAL ALIGNMENT, PC, PT CELLS | 1 | 6 | 5 | | |
| MAINLINE HORIZONTAL STATIONING TICKS & TEXT | 2 | 6 | 2 | 14 / 3 | |
| MAINLINE HORIZONTAL PC, PT LEADERS & TEXT | 3 | 6 | 0 | 14 / 3 | |
| MAINLINE HORIZONTAL BEARINGS | 4 | 6 | 2 | 14 / 3 | |
| MAINLINE HORIZONTAL CURVE DATA | 5 | 6 | 2 | 24 / 4 | |
| | | | | | |
| CROSSROAD HORIZONTAL ALIGNMENT, PC, PT CELLS | 7 | 6 | 5 | | |
| CROSSROAD STATIONING TICKS & TEXT | 8 | 6 | 2 | | |
| CROSSROAD HORIZONTAL PC, PT LEADERS & TEXT | 9 | 6 | 0 | | |
| CROSSROAD HORIZONTAL BEARING | 10 | 6 | 2 | | |
| CROSSROAD HORIZONTAL CURVE DATA | 11 | 6 | 2 | 24 / 3 | |
| TEMPORARY EASEMENT CROSS HATCH AREA | 13 | 3 | 0 | LINE STYLE = 1 | |
| RAILROAD TRACKS | 14 | 50 | 1 | | |
| LINE TEXT FOR BEARINGS & DISTANCE ALONG A LINE | 15 | 50 | 0 | 14 / 3 | |
| ASSUMED CORNERS | 16 | 7 | 1 | 14 / 3 | |
| FOUND CORNERS | 17 | 3 | 1 | 14 / 3 | |
| EXISTING POINTS | 18 | 50 | 0 | 14 / 3 | |
| PROPOSED POINTS | 19 | 9 | 0 | 14 / 3 | |
| LABELING SECTION – TOWNSHIP – RANGE | 20 | 50 | 5 | 25 / 5 | |
| STATIONING FOR SECTION LINE, ¼ LINE Etc. | 20 | 6 | 2 | 14 / 3 | |
| LABELING R.O.W. DIMENSION FOR PLANS, SECTION LINES, ¼ LINES, Etc. AND CITY LIMITS, RESERVATIONS, & GOV'T TAKE LINES | 20 | 50 | 2 | 14 / 3 | |
| CONTROL OF ACCESS | 21 | 10 | | | NEW / EXIST |
| COUNTY LINES | 22 | 50 | 5 | | |
| SECTION LINES | 23 | 50 | 4 | | |
| QUARTER LINES | 24 | 50 | 3 | | |
| MEANDER LINES | 25 | 5 | 2 | | |
| EXISTING R.O.W. LINES (HIGHWAY R.O.W. BLOCK ADDITIONS & SUBDIVISION LINES) | 25 | 50 | 0 | | |
| SIXTEENTH LINES | 26 | 50 | 1 | | |
| NEW R.O.W. LINES (PROPOSED HIGHWAY R.O.W. LINES) | 27 | 9 | 1 | | |
| PROPERTY LINES | 28 | 50 | 2 | | |
| STATE LINES | 29 | 50 | 5 | | |
| LANDOWNER NAMES & LEGAL DESCRIPTION | 33 | 50 | 2 | 14 / 3 | |
| PERMANENT ROW STATION OFFSET | 38 | 10 | 2 | 12 / 2.5 | |
| | | | | | |
| MISCELLANEOUS | 59 | VARIES | VARIES | VARIES | |
| AREA NUMBERS | 60 | VARIES | VARIES | VARIES | |

MISC.-LEVELS NEEDED ON FROM THE TPCN#S*.DGN FILE TO ESTABLISH EXISTING RIGHT OF WAY
(7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 25, 29, 31, 35, 52 & 56)

| <i>(STA)P.DGN</i> | <i>LEVELS</i> | <i>COLOR</i> | <i>WEIGHT</i> | <i>TEXT 300 SCALE</i> | <i>CELLS</i> |
|---|---------------|----------------|----------------|---------------------------|--------------|
| GEN. REPORT\NEW & EXIST AREA\LEGAL DESC. SHADING, X HATCHING | 1 | 4 9 | 2 0 | 24 | |
| BORDER \ CURVE DATA \ NEW & EXIST R.O.W. DIMENSIONS \ PROPERTY DESCRIPTION | 20 | | | | |
| PLOT SHAPE | 45 | 2 | 0 | 7 | NAME |
| SHAPES | 63 | | | | |

| <i>T(PCN#)R.DGN</i> | <i>T(PCN#)S.DGN</i> | <i>T(PCN#)U.DGN</i> | <i>LEVELS</i> | <i>COLOR</i> | <i>WEIGHT</i> | <i>STYLE</i> | <i>CELLS</i> |
|---|---------------------|---------------------|---------------|----------------|---------------|------------------|----------------------------|
| AZIMUTH MARKERS REFERENCE MARKS TRIANGULATION STATIONS | | | 1 | 6 0 6 | | | AZIMKR REFMRK TRISTA |
| BENCH MARKS | | | 2 | 6 | | | BNCHMK |
| RETAINING WALLS | | | 7 | 10 | 6 | 0 | |
| EDGE OF OTHERS EDGE OF SHOULDERS | | | 9 | 47 195 | 0 0 | 0 3 | |
| CENTERLINES | | | 10 | 28 | | | |
| EDGE OF CONCRETE EDGE OF ASPHALT CONCRETE SYMBOLS | | | 11 | 10 44 10 | 0 0 | 0 0 | CONC |
| APPROACHES \ EDGE OF GRAVEL | | | 12 | 90 | 0 | 0 | |
| CURB & GUTTER \ CURB \ GUTTER | | | 13 | 10 | 1 | VARIES | |
| RAILROADS | | | 14 | 50 | VARIES | VARIES | VARIES |
| SIDEWALKS | | | 15 | 10 | 0 | 0 | |
| ASSUMED CORNERS | | | 16 | 7 | | | ACORN |
| FOUND CORNERS | | | 17 | 3 | 1 | 0 | BARCAP |
| BEARING TREE | | | 17 | 3 | 1 | 0 | BTREE |
| RAILROAD PROFILE | | | 18 | 4 | 0 | 0 | |
| BUSHES \ TREES | | | 21 | 3 | 1 | 0 | VARIES |
| FENCE | | | 25 | 19 | 0 \ 1 | VARIES | |
| GUARDRAIL | | | 27 | 19 | 1 | GRAIL | |
| DAM GRADES\DIKE\LEVEE DITCH BLOCKS | | | 29 | 31 31 | 1 | 0 | DTCHBK |
| DRAINAGE PROFILES \ IRRIGATION DITCHES | | | 30 | 31 | 2 | 4 \ 1 | |
| LAKES EDGE CREEK EDGE \ RIVER EDGE SPRING STREAM GAUGE | | | 31 | 31 31 31 | 1 2 | 3 5 \ 7 | SPRING STMGAG |
| SLOUGHS OR MARSHES | | | 32 | 31 | | | SLOUGH |
| PIPES STORM SEWERS | | | 33 | 31 25 | 1 1 | VARIES STSEWR | VARIES |
| BOX CULVERTS AND BRIDGES WINGWALLS | | | 35 | 31 31 | 1 3 | 0 0 | |
| UNDERGROUND ELECTRICAL UTILITIES | | | 40 | 2 | 1 | UNELEC | VARIES |
| UNDERGROUND GAS UTILITIES | | | 41 | 4 | 0 or 1 | VARIES | VARIES |
| UNDERGROUND TELEPHONE UTILITIES | | | 42 | 18 | 1 | VARIES | VARIES |
| UNDERGROUND WATER UTILITIES | | | 43 | 31 | 1 | UNWATR | VARIES |
| SANITARY SEWER | | | 44 | 18 | 1 | SANSEWR | VARIES |
| PUBLIC TELEPHONES | | | 46 | 18 | 1 | 0 | PUBTEL |

| <i>T(PCN#)R.DGN</i> | <i>T(PCN#)S.DGN</i> | <i>T(PCN#)U.DGN</i> | <i>LEVELS</i> | <i>COLOR</i> | <i>WEIGHT</i> | <i>STYLE</i> | <i>CELLS</i> |
|---------------------------|---------------------|---------------------|---------------|--------------|---------------|---------------|---------------|
| TELEPHONE POLES | | | | 18 | 1 | 0 | TELPOL |
| TELEVISION CABLE JCT. BOX | | | 47 | 18 | 1 | 0 | TVBOX |
| TELEVISION TOWER | | | | 18 | 0 | 0 | TVTWER |
| MISC.MANHOLE | | | 48 | 17 | 1 | 0 | MISCMH |
| ABOVE GROUND UTILITIES | | | 49 | 2 | 1 | 0 | POWERP |
| TRAFFIC SIGNALS | | | 50 | 2 | 1 | 0 | TRASIG |
| BUILDING | | | 52 | 17 | 1 | 0 | |
| GRAIN BINS | | | | 17 | | | GRNBIN |
| MAILBOXES | | | 53 | 17 | 1 | 0 | MAILBX |
| BULK TANKS | | | 54 | 4 | 1 | 0 | BULKTK |
| GAS PUMP ISLAND | | | 54 | 4 | 0 | GASISL | |
| UNDERGROUND TANKS | | | 54 | 4 | | | UNTANK |
| SIGNS \ STREET MARKERS | | | 55 | 17 | 0 | 0 | STMRK |
| MISC. TOPOGRAPHY | | | 56 | | VARIES | VARIES | VARIES |
| ROUTE SIGNS | | | 57 | 3 | | | VARIES |
| WARNING SIGNS | | | 58 | 2 | | | VARIES |
| INFORMATION SIGNS | | | 59 | 19 | | | VARIES |
| TEST WELLS \ BORE HOLES | | | 60 | 4 | | | TSTWLL |
| DSCON LINES | | | 62 | 0 | 0 | 0 | |
| GROUND SHOTS | | | 63 | 0 | | | |

| <i>(STA)W.DGN</i> | <i>(STASTA)W.DGN</i> | <i>LEVELS</i> | <i>COLOR</i> | <i>WEIGHT</i> | <i>STYLE</i> | <i>CELLS</i> |
|-------------------|----------------------|---------------|--------------|---------------|--------------|--------------|
| DRAWING TEXT | | 38 | 5 5 | 1 1 | 0 or 1 0 | VARIES |
| PLOT SHAPE | | 45 | 2 | 0 | 7 | NAME |

| <i>(STA)C.DGN</i> | <i>(STASTA)L.DGN</i> | <i>LEVELS</i> | <i>COLOR</i> | <i>WEIGHT</i> | <i>STYLE</i> | <i>CELLS</i> |
|---|----------------------|---------------|------------------|---------------|------------------|------------------|
| EXISTING SIGNAL POLE / EXISTING CONTROLLER | | 35 | 100 | 1 | 0 | SPOLEX CONTRX |
| LUMINAIRE / LUMINAIRE POLE | | 36 | 0 or 2 | 1 | 0 | VARIES |
| MAST ARM | | 37 | 100 | 1 | 0 | VARIES |
| CONDUIT TEXT | | 38 | 101 5 | 4 1 | 0 or 1 0 | VARIES |
| SIGNAL POLE | | 39 | 100 | 1 | 0 or 1 | SPOLE |
| MASKING CELLS PEDESTRIAN / DETECTOR LOOP | | 40 | VARIES VARIES | VARIES 1 | VARIES 0 or 1 | VARIES VARIES |
| CONTROLLER / SERVICE CABINET | | 41 | 26 or 100 | 1 | 0 or 1 | VARIES |
| JUNCTION BOX / EXISTING JUNCTION BOX | | 42 | 100 | 1 | 0 or 1 | VARIES |
| SECONDARY CONDUIT | | 43 | 101 | 4 | 0 or 1 | VARIES |
| SECONDARY JUNCTION BOX | | 44 | 100 | 1 | 0 or 1 | VARIES |
| PLOT SHAPE | | 45 | 2 | 0 | 7 | NAME |

| <i>(STA)PM.DGN</i> | <i>LEVELS</i> | <i>COLOR</i> | <i>WEIGHT</i> | <i>STYLE</i> | <i>CELLS</i> |
|-------------------------------------|---------------|--------------|---------------|--------------|--------------|
| TEXT | 38 | 5 | 1 | 0 | |
| MASKING CELLS | 40 | VARIES | VARIES | VARIES | VARIES |
| PLOT SHAPE | 45 | 2 | 0 | 7 | NAME |
| PAVEMENT MARKING LINES - INTERSTATE | 54 | 8 or 20 | 4 | 0 | VARIES |
| PAVEMENT MARKING LINES | 55 | 8 or 20 | 4 | 0 | VARIES |

| <i>(STA)ES.DGN</i> | <i>(STA)S.DGN</i> | <i>LEVELS</i> | <i>COLOR</i> | <i>WEIGHT</i> | <i>STYLE</i> | <i>CELLS</i> |
|--------------------|-------------------|---------------|--------------|---------------|--------------|--------------|
| TEXT | | 38 | 5 | 1 | 0 | |
| MASKING CELLS | | 40 | VARIES | VARIES | 0 or 1 | VARIES |
| PLOT SHAPE | | 45 | 2 | 0 | 7 | NAME |