DISTRICT 2

POINT NUMBER SQUENCE FOR SURVEYING AND GEOPAK PROJECTS

These numbers should not be confused with actual POINT CODES

1 – 99 Horizontal Control Points ( Traverse Points ; Centerline Control Points(pot’s and poc’s)

100 - 199 Survey Work Point ( Control Points to do Topo with )

200 – 399 Curve Control Points ( see Example 1, below)

400 – 499 Bench Marks and Vertical Control Points

500 – 699 Physical Tie Points ( Reference and Swing Ties )

700 – 999 Apparent Existing Property and Land Section Points

1001 – 1999 Use to reflect the same sequencing when the initial group of numbers is exceeded

(see Example 2 below)

2000 – 40000 Requested Data Points ( Topo and Cross Section Shots )

* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \*

**PROJECT NUMBER P-92-001-99 or D-92-001-99**

# **Example 1** **FILE NAMING EXAMPLES**:

1st Curve 200 = P.I. MAIN ADD. P00199A.ASC

in Alignment 201 = Radius Point or Center of Circle CONTROL P00199C.ASC CONTROL P00199B.ASC

Curve name 200 202 = P.C. FILE FILES P00199D.ASC

203 = P.T. -----------------------------------------------------------------------

2nd Curve 210 = P.I. **DAILY AND OR** **ADDITIONAL**

Curve name 210 211 = Radius Point or Center of Circle **AREA SPECIFIC** **TOPO FILES**

212 = P.C. **TOPO FILES**

213 = P.T.

# **Example 2** 00199A.ASC 00199AA.ASC

21st Curve 1200 = P.I. 00199B.ASC 00199AB.ASC

Curve name 1200 1201 = Radius Point or Center of Circle 00199C.ASC 00199AC.ASC

1202 = P.C. -----------------------------------------------------------------------

1203 = P.T. L00199A LEVEL FILES

L00199B (To be archived in

22nd Curve 1210 = P.I. L00199C Surveys only)

Curve name 1210 1211 = Radius Point or Center of Circle -----------------------------------------------------------------------

1212 = P.C.

1213 = P.T. **GPS CONTROL FILES** **GPS TOPO FILES**

P00199GA.ASC 00199GA.ASC

**GEOPAK POINT RANGES BY SECTION** P00199GB.ASC 00199GB.ASC

1 – 39999 Design Survey / Surveys P00199GC.ASC 00199GC.ASC

40000 – 49999 Land Acquisition

50000 – 59999 Studies (Phase I)

60000 – 69999 Plans (Phase II)

70000 – 79999 Geometrics ----------------------------------------------------------------

80000 – 89999 Hydraulics (new 1/2006) U00199A.ASC

90000 – 99999 Aerial Survey U00199B.ASC S.U.E. FILES

100000 – 139999 As-Builts

As-Built surveys shall use the Contract # as a file naming base. ie: 64857 would be used to create 64857A.ASC etc.

The As-Built GPK file shall contain the last three characters of the Contract #. ie: job857.GPK

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| **GEOMETRICS (IDS) NAMING CONVENTION** | | | | |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| Ex. Job Number | | P-92-001-03 | | Use the last five numbers (00103) for ID purposes. | | | | |
| G= Geometrics | |  |  |  |  |  |  |  |
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| G00103IDS1.dgn | |  |  |  |  |  |  |  |
| G00103IDS2.dgn | |  | Geometrics master drawing files per alternate. | | | | |  |
| G00103IDS3.dgn | |  | ex. using more in depth descriptions for that alternate. | | | | |  |
| etc. |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| G00103PLT1.dgn | |  |  |  |  |  |  |  |
| G00103PLT2.dgn | |  | Geometrics master plotting files per alternate. | | | | |  |
| G00103PLT3.dgn | |  | ex. using more in depth descriptions for that alternate. | | | | |  |
| etc. |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| G00103XM1.dgn | |  |  |  |  |  |  |  |
| G00103XM2.dgn | |  | Geometrics cross section sheets. | | | |  |  |
| G00103XM3.dgn | |  | ex. using more in depth descriptions-mainline sta to sta. | | | | | |
| etc. |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| G00103XS1.dgn | |  |  |  |  |  |  |  |
| G00103XS2.dgn | |  | Geometrics Side road cross section sheets. | | | |  |  |
| G00103XS3.dgn | |  | ex. using more in depth descriptions-naming side roads sta to sta. | | | | | |
| etc. |  |  |  |  |  |  |  |  |
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| **PHASE I (STUDIES) NAMING CONVENTION** | | | | | | | |  | | | | | | | |  | |  |  |
|  |  | |  |  |  | | |  | | | | | | | |  | |  |  |
| Ex. Job Number | | | P-92-001-03 | | Use the last five numbers (00103) for ID purposes. | | | | | | | | | | | | | | |
| S= Studies | | |  |  |  | | |  | | | | | | | |  | |  |  |
| S00103TOPO.dgn | | |  | Original Survey topo file in 2d | | | | | | | | | |  |  |  | |  |  |
| S00103.dgn | | |  | Studies master drawing file. | | | | | | | | | | | |  | |  |  |
|  |  | |  |  | |  | |  | | | | | | | |  | |  |  |
| S00103PLN1.dgn | | |  |  | |  | |  | | | | | | | |  | |  |  |
| S00103PLN2.dgn | | |  | Studies plan & profile sheets, using more in depth descriptions. | | | | | | | | | | | | | | | |
| S00103PLN3.dgn | | |  | ex. Sta to sta. and scale of sheets. | | | | | | | | | | | | | |  |  |
| etc. |  | |  |  | |  | |  | | | | | | | |  | |  |  |
|  |  | |  |  | |  | |  | | | | | | | |  | |  |  |
| S00103XM1.dgn | | |  |  | |  | |  | | | | | | | |  | |  |  |
| S00103XM2.dgn | | |  | Studies cross section sheets. | | | | | | | | | | | |  | |  |  |
| S00103XM3.dgn | | |  | ex. using more in depth descriptions-mainline sta to sta. | | | | | | | | | | | | | | | |
| etc. |  | |  |  | |  | |  | | | | | | | |  | |  |  |
|  |  | |  |  | |  | |  | | | | | | | |  | |  |  |
| S00103XS1.dgn | | |  |  | |  | |  | | | | | | | |  | |  |  |
| S00103XS2.dgn | | |  | Studies Side road cross section sheets. | | | | | | | | | | | | | |  |  |
| S00103XS3.dgn | | |  | ex. using more in depth descriptions-naming side roads sta to sta. | | | | | | | | | | | | | | | |
| etc. |  | |  |  | |  | |  | | | | | | | |  | |  |  |
|  |  | |  |  | |  | |  | | | | | | | |  | |  |  |
| S00103TYP.dgn | | |  | Studies typical file. | | | |  | | | | | | | |  | |  |  |
| S00103CLR.dgn | | |  | Studies color file used for colored shapes for public displays/strips. | | | | | | | | | | | | | | | |
| S00103STRP.dgn | | |  | Studies strip plot file used for public displays/strips. | | | | | | | | | | | | | | |  |
| **PHASE II (PLANS/DESIGN) NAMING CONVENTION** | | | | | | | |  | | | | | | | |  | |  |  |
|  |  | |  |  | |  | |  | | | | | | | |  | |  |  |
| Ex. Job Number | | | P-92-001-03 | | | Use the last five numbers (00103) for ID purposes. | | | | | | | | | | | | | |
| D= Design |  | |  |  | |  | |  | | | | | | | |  | |  |  |
|  |  | |  |  | |  | |  | | | | | | | |  | |  |  |
| D00103.dgn | | |  | Design master drawing file. | | | | | | | | | | | |  | |  |  |
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| D00103PLN1.dgn | | |  |  | |  | |  | | | | | | | |  | |  |  |
| D00103PLN2.dgn | | |  | Design plan & profile sheets, using more in depth descriptions. | | | | | | | | | | | | | | | |
| D00103PLN3.dgn | | |  | ex. Sta to sta. and scale of sheets. | | | | | | | | | | | | | |  |  |
| etc. |  | |  |  | |  | |  | | | | | | | |  | |  |  |
|  |  | |  |  | |  | |  | | | | | | | |  | |  |  |
| D00103XM1.dgn | | |  |  | |  | |  | | | | | | | |  | |  |  |
| D00103XM2.dgn | | |  | Design Mainline cross section sheets. | | | | | | | | | | | | | |  |  |
| D00103XM3.dgn | | |  | ex. using more in depth descriptions-mainline sta to sta. | | | | | | | | | | | | | | | |
| etc. |  | |  | Try to put all mainline in one file. | | | | | | | | | | | |  | |  |  |
|  |  | |  |  | |  | |  | | | | | | | |  | |  |  |
| D00103XS1.dgn | | |  |  | |  | |  | | | | | | | |  | |  |  |
| D00103XS2.dgn | | |  | Design Side road cross section sheets. | | | | | | | | | | | | | |  |  |
| D00103XS3.dgn | | |  | ex. using more in depth descriptions-naming side roads sta to sta. | | | | | | | | | | | | | | | |
| etc. |  | |  | Try to put all side roads in one file. If file gets too big break down | | | | | | | | | | | | | | | |
|  |  | |  | ex. - rural and urban | | | |  | | | | | | | |  | |  |  |
|  |  | |  |  | |  | |  | | | | | | | |  | |  |  |
| D00103STG.dgn | | | Design staging sheets, | | | | |  | | | | | | | |  | |  |  |
|  |  | | ALL Staging should be in one file if possible | | | | | | | | | | | | |  | |  |  |
| D00103TYP.dgn | | | Design typical file. | | |  | |  | | | | | | | |  | |  |  |
| D00103EL.dgn | | | Design elevation sheets. | | | | |  | | | | | | | |  | |  |  |
| D00103HVC.dgn | | | Design horizontal & vertical control sheets. | | | | | | | | | | | | |  | |  |  |
| D00103DR.dgn | | | Design drainage sheets. | | | | |  | | | | | | | |  | |  |  |
| D00103ER.dgn | | | Design erosion sheets. | | | | |  | | | | | | | |  | |  |  |
| D00103REM.dgn | | | Design removal sheets. | | | | |  | | | | | | | |  | |  |  |
| D00103RWES.dgn | | | Design ROW & easement sheets. | | | | | | | | | | | | |  | |  |  |
| D00103PM.dgn | | | Design pavement marking sheets. | | | | | | | | | | | | |  | |  |  |
| D00103CVR.dgn | | | Project cover sheet and schedules. | | | | | | | | | | | | |  | |  |  |
| D00103JT.dgn | | | Design pavement joint details. | | | | |  | | | | | | | |  | |  |  |
| D00103LOGS.dgn | | | Projects borelogs information. | | | | |  | | | | | | | |  | |  |  |
| D00103CULV.dgn | | | Design culvert details. | | |  | |  | | | | | | | |  | |  |  |
| D00103SPL.dgn | | | Design standards and special detail sheets. | | | | | | | | | | | | |  | |  |  |
|  |  | |  |  | |  | |  | | | | | | | |  | |  |  |
| If multiple files of the above are needed add a number to the end-ex. 1,2,3 etc. | | | | | | | | | | | | | | | | | | |  |
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| LAND ACQUISITION **NAMING CONVENTION** | | | | | | | |  | | | | | | | |  | |  |  |
|  |  | |  |  | |  | |  | | | | | | | |  | |  |  |
| Ex. Job Number | | | P-92-001-03 | | | Use the last five numbers (00103) for ID purposes. | | | | | | | | | | | | | |
| L= Land Acquisition | |  |  |  | |  | |  | | | | | | | | |  |  |  |
|  | |  |  |  | |  | |  | | | | | | | | |  |  |  |
| L00103ROW.dgn | | |  | Land Acquisition Master Graphics File. | | | | | | | | | | | | |  |  |  |
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| L00103RWPL.dgn | | |  | Land Acquisition Right Of Way Plat File | | | | | | | | | | | | | |  |  |
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| LAND ACQUISITION **NUMBERING CONVENTION** | | | | | | | | | | |  | | | | |  | |  |  |
|  |  | |  |  | | | | | |  |  | | | | |  | |  |  |
| 40000 - 40999 | | | Existing R.O.W. | | | | | | |  | | | | | | | | | |
| 41000 - 44999 | |  | Property Line and Section Corner | | | | | |  |  | | |  | | | |  |  |  |
| 45000 – 46999 | |  | Proposed R.O.W. | | | |  | | |  | | |  | | | |  |  |  |
| 47000 – 48999 | | | Temporary Easement | | | |  | | | | | | | | | |  |  |  |
| 49000 – 49999 | |  | Urban Edge of Pavement  (Used for locating Prop. R.O.W. in Urban Areas.) | | | |  | |  | | |  | | | | |  |  |  |

##### File naming has a limit of 12 characters plus the “.dgn” or “.3D”

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| **CONSULTANT FILES**  **NAMING CONVENTION** | | | | | | |  |  |  | | | | |  | |
|  |  | |  |  |  | |  |  |  | | | | |  | |
| Ex. Job Number | | | P-92-001-03 | | Use the last five numbers (00103) for ID purposes. | | | | | | | | | | |
| Z= Consultants | |  |  | File Extensions shall be “.3D” for 3D files and “.DGN” for 2D files. |  | The GPK file shall contain the middle three numbers in its name. ie: job001.gpk | | | | |  | |  |  | |
| **SURVEY NAMING AS FOLLOWS**; | |  |  |  |  |  | | | | |  | |  |  | |
| Z00103.3d  Z00103.tin  Z00103con.dgn  ZP00103C.asc  Z00103a.asc  Z00103b.asc  Z00103c.asc  etc.  Z00103.dgn  or  Z00103TOPO.dgn  Z00103PROP.dgn  Z00103ROW.dgn  etc. | | |  | Consultant Survey 3d file  Consultant Survey Tin file  Consultant Survey Control file  Consultant Survey Control Ascii Point Text file  Consultant Survey Daily Ascii Points Text file  Consultant master drawing file.  or  Consultant Existing Survey file.  Consultant Proposed file.  Consultant ROW and Easement file.  Any other drawing files that may be needed | | | | | |  | |  | | |
|  |  | |  |  |  | |  |  |  | | | | |  | |
| Z00103PLN1.dgn | | |  |  |  | |  |  |  | | | | |  | |
| Z00103PLN2.dgn | | |  | Consultant plan & profile sheets, using more in depth descriptions. | | | | | | | | | | | |
| Z00103PLN3.dgn | | |  | ex. Sta to sta. and scale of sheets. | | | | |  | | | | |  | |
| etc. |  | |  |  |  | |  |  |  | | | | |  | |
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| Z00103XM1.dgn | | |  |  |  | |  |  |  | | | | |  | |
| Z00103XM2.dgn | | |  | Consultant Mainline cross section sheets. | | | | |  | | | | |  | |
| Z00103XM3.dgn | | |  | ex. using more in depth descriptions-mainline sta to sta. | | | | | | | | | | | |
| etc. |  | |  | Try to put all mainline in one file. | | | |  |  | | | | |  | |
|  |  | |  |  |  | |  |  |  | | | | |  | |
| Z00103XS1.dgn | | |  |  |  | |  |  |  | | | | |  | |
| Z00103XS2.dgn | | |  | Consultant Side road cross section sheets. | | | | |  | | | | |  | |
| Z00103XS3.dgn | | |  | ex. using more in depth descriptions-naming side roads sta to sta. | | | | | | | | | | | |
| etc. |  | |  | Try to put all side roads in one file. If file gets too big break down | | | | | | | | | | | |
|  |  | |  | ex. - rural and urban | | |  |  |  | | | | |  | |
| **SHEET NAMING AS FOLLOWS**; |  | |  |  |  | |  |  |  | | | | |  | |
| Z00103STG.dgn | | | Consultant staging sheets, | | | |  |  |  | | | | |  | |
|  |  | | ALL Staging should be in one file if possible | | | | |  |  | | | | |  | |
| Z00103TYP.dgn | | | Consultant typical file. | |  | |  |  |  | | | | |  | |
| Z00103EL.dgn | | | Consultant elevation sheets. | | | |  |  |  | | | | |  | |
| Z00103HVC.dgn | | | Consultant horizontal & vertical control sheets. | | | | |  |  | | | | |  | |
| Z00103DR.dgn | | | Consultant drainage sheets. | | | |  |  |  | | | | |  | |
| Z00103ER.dgn | | | Consultant erosion sheets. | | | |  |  |  | | | | |  | |
| Z00103REM.dgn | | | Consultant removal sheets. | | | |  |  |  | | | | |  | |
| Z00103RWES.dgn | | | Consultant ROW & easement sheets. | | | | |  |  | | | | |  | |
| Z00103PM.dgn | | | Consultant pavement marking sheets. | | | | |  |  | | | | |  | |
| Z00103CVR.dgn | | | Consultant project cover sheet and schedules. | | | | |  |  | | | | |  | |
| Z00103JT.dgn | | | Consultant pavement joint details. | | | |  |  |  | | | | |  | |
| Z00103LOGS.dgn | | | Consultant projects borelogs information. | | | |  |  |  | | | | |  | |
| Z00103CULV.dgn | | | Consultant culvert details. | |  | |  |  |  | | | | |  | |
| Z00103SPL.dgn | | | Consultant standards and special detail sheets. | | | | |  |  | | | | |  | |
|  |  | |  |  |  | |  |  |  | | | | |  | |
| If multiple files of the above are needed add a number to the end-ex. 1,2,3 etc. | | | | | | | | | | | | | |  | |
|  |  | |  |  |  | |  |  |  | | | | |  | |

The attached sheets will be Dist. 2 new naming conventions for all CADD users. This will be in effect as of February 3, 2003.

A little bit of back ground with our naming…

**B’s** will belong to **CONSTRUCTION AS BUILTS** (final plans, tin models, ready for archive).

**C’s** will belong to **CONSTRUCTION.**

**D’s** will belong to **PLANS** (Phase II).

**E’s** will belong to **ENGINEERING SUPPORT** (Dist. 2’s Jim Hogenson).

**G’s** will belong to **GEOMETRICS.**

**H’s** will belong to **HYDRAULICS.**

**J’s** will belong to **GEOPAK.**

**L’s** will belong to **LAND ACQUISITION.**

**O’s** will belong to **OPERATIONS** (Traffic signals).

**P’s and #’s** associations have been kept with **SURVEYS.**

**S’s** will belong to **STUDIES** (Phase I).

**U’s** will belong to **SUE SURVEY** (Utilities).

**Z’s** will belong to **CONSULTANTS.**

Please see the attached for the file names, then replace the first letter with the appropriate section that the file belongs too. Junk files can now be named in the persons name whom it belongs too.

(Example: Peter.dgn) These files go nowhere and will not get archived. Also remember; only .DGN or .3D files are to be created.

Some additions and or revisions will be made as we are adjusting.

\*Doc. Revised 7-2006 sd