Delaware Ave Alignment Monuments

SET SBII (2nd SJ)#

57/878.177, 149656.463

57/885.289, 148795.052
0.155 LEFT

57/894.660, 147713.465
0.090 RIGHT

57/900.376, 147031.200

4   ⟨39⟩ ⟨200⟩   Delaware @ 140' W. of Baker
N   26+25.34   Granite Monument
    in Cherokee Park
    Heights

17+63.93   198.43   174-58-38 / 174-58-34
3140   ⟨1⟩   PK — Delaware & Page
    Granite Monument
    Tied out before
    removal 5-27-97

    1081.67 / 1081.68
    180-10-21 / 180-10-19
4+82.16   3141   ⟨2⟩   Delaware & Winona
    PK — Granite Monument
    tied out before
    removal 5-8-97

    682.22
0+00   ⟨221⟩ ⟨69⟩   Delaware & Annapolis
    PK — cim tied out
    from tie book

FIGURE AREA   15   COORDINATE AREA 4000
COGO>*DATE 10-07-97
COGO>*see FB 1716 page 45
COGO>*Comps for monuments at Delaware Ave & Winona also Delaware Ave & Page
COGO>*Positions are based on GMs tied out before removal on 5-27-97
COGO>*Positions were re-established from ties and then traversed through.
COGO>
COGO>Del coor 3998 3999 4000 3140 3141
 DELETE COORDINATES
COGO>Del fig (1)
l az
200 3140 180 00 00 861.43
l ang
200 3140 3141 179 58 36 1081.675
3140 3141 4000 180 01 14 682.22
i az
200 221
200 4000
* Azimath & Distance from 200 to 221 = 179-30-59.8   2625.3564
* Azimath & Distance from 200 to 4000 = 179-59-22.8   2625.3250
*   ===========
*   - 0-28-23.0
* scale factor = (2625.3564 / 2625.3250) = 1.00001196
str fig 1 (200 3140 3141 4000)
c m
1 1 200 200 (A 200 221 - A 200 4000) 1.00001196
Tanget offset
3999 3140 200 221
3998 3141 200 221
*clean up coordinates and figures
del coor 3998 3999 4000
del fig (1)
List coordinates
3140 3141
 DELETE FIGURES
COGO> LOCATE AZIMUTH
COGO>   3140   148795.0330   571878.1770

COGO> LOCATE ANGLE
COGO>   3141   147713.3581   571878.6175

COGO>   4000   147031.1381   571878.6506

COGO> INVERSE AZIMUTHS
COGO>   FROM 200 TO 221   179-30-59.8   2625.3564

COGO>   FROM 200 TO 4000   179-59-22.8   2625.3250

COGO> STORE FIGURE
                    1
COGO> CONVERT MERIDIAN
COGO>   SHIFT =   0- 0- 0.0   0.0000
                    CONVERSION ANGLE = 359-31-37.0
                       SCALE FACTOR =   1.000011960

```
GO>  TANGENT OFFSET
OGO>     3999      148795.0534      571885.4446

                    FROM  200   TO 3999         861.4403

                    FROM 3999   TO 3140            0.1554 RIGHT

COGO>     3998      147713.4040      571894.5703

                    FROM  200   TO 3998        1943.1282

                    FROM 3998   TO 3141            0.0900 LEFT

COGO> DELETE COORDINATES
COGO> DELETE FIGURES
COGO> LIST COORDINATES
COGO>     3140      148795.0521      571885.2892

          3141      147713.4047      571894.6603

                                                                    567


COGO>e o r
 END OF RUN
          FIGURE AREA      6         COORDINATE AREA   3997
          JOB      0      0 COMPLETED            0 ERRORS

 COGO DONE
2 {xanadu} citycnty.work : exit

script done on Tue Oct 07 08:11:11 1997
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```
    LINE          Layer: SUNDE-BOUND-SURVEY
                  Space: Model space
    from point, X=571894.6603   Y=147713.4047   Z=    0.0000
      to point, X=571900.3260   Y=147031.2000   Z=    0.0000
Length = 682.2282,   Angle in XY Plane = S 0d28'33" E
      Delta X =    5.6657, Delta Y = -682.2047, Delta Z =    0.0000

    LINE          Layer: SUNDE-BOUND-SURVEY
                  Space: Model space
        Color: 7 (white)      Linetype: BYLAYER
    from point, X=571878.1770   Y=149656.4630   Z=    0.0000
      to point, X=571900.3260   Y=147031.2000   Z=    0.0000
Length =2625.3564,   Angle in XY Plane = S 0d29'0" E
      Delta X =   22.1490, Delta Y = -2625.2630, Delta Z =    0.0000

    LINE          Layer: SUNDE-BOUND-SURVEY
                  Space: Model space
    from point, X=571885.2892   Y=148795.0520   Z=    0.0000
      to point, X=571894.6603   Y=147713.4047   Z=    0.0000
Length =1081.6880,   Angle in XY Plane = S 0d29'47" E
      Delta X =    9.3711, Delta Y = -1081.6474, Delta Z =    0.0000

    LINE          Layer: SUNDE-BOUND-SURVEY
                  Space: Model space
    from point, X=571878.1770   Y=149656.4630   Z=    0.0000
      to point, X=571885.2892   Y=148795.0520   Z=    0.0000
Length = 861.4405,   Angle in XY Plane = S 0d28'23" E
      Delta X =    7.1122, Delta Y = -861.4110, Delta Z =    0.0000
```