

**PLATS
AND
SURVEYS**

C.A.D.D. NOTES

(FOR AUTOCAD)

**C.A.D.D. PLAT PRODUCTION
REFERENCE GUIDE**

September 06, 2012

**PLATS
AND
SURVEYS**

PLAT GUIDELINES

(FOR AUTOCAD)

**TEXT
C.A.D.D.**

TEXT GUIDELINES FOR C.A.D.D.
AC = Plats & Surveys AutoCAD Block Number

RIGHT OF WAY

TEXT SIZE/LINE WEIGHT

- | | | |
|------------------------------|-----|--|
| <u>TX = 1.0/WT = 0.40 mm</u> | 1. | Right of Way Line (AC = 10 or 10.1) |
| <u>TX = 1.0/WT = 0.40 mm</u> | 2. | Right of Way Line of Through Highway (AC = 26, 26.1, or 26.2) |
| <u>TX = 1.0/WT = 0.40 mm</u> | 3. | Existing Right of Way Line (AC = 11 or 11.1) |
| <u>TX = 1.0/WT = 0.40 mm</u> | 4. | Right of Way Line and Existing Right of Way Line (AC = 12) |
| <u>TX = 1.0/WT = 0.40 mm</u> | 5. | Right of Way Line and Line of Division (AC = 13 or 13.1) |
| <u>TX = 1.0/WT = 0.40 mm</u> | 6. | Right of Way Line and Dedication Line (AC = 15 or 15.1) |
| <u>TX = 1.0/WT = 0.40 mm</u> | 7. | Right of Way Line and _____ County Right of Way Line |
| <u>TX = 1.0/WT = 0.40 mm</u> | 8. | Right of Way Line and _____ Railroad Right of Way Line (AC = 31) |
| <u>TX = 1.0/WT = 0.40 mm</u> | 9. | _____ County Right of Way Line |
| <u>TX = 1.0/WT = 0.40 mm</u> | 10. | _____ Railroad Right of Way Line (AC = 30) |
| <u>TX = 1.0/WT = 0.40 mm</u> | 11. | Right of Way Line and Reservation Line (AC = 17 or 17.1) |
| <u>TX = 1.0/WT = 0.40 mm</u> | 12. | Base Line of Right of Way (AC = 60) |
| <u>TX = 1.0/WT = 0.40 mm</u> | 13. | Base Line of Construction (AC = 61) |
| <u>TX = 1.0/WT = 0.40 mm</u> | 14. | Base Line of Right of Way and Base Line of Construction (AC = 65) |
| <u>TX = 1.0/WT = 0.40 mm</u> | 15. | Base Line of Survey (AC = 62) |
| <u>TX = 1.0/WT = 0.40 mm</u> | 16. | Base Line of Right of Way and Base Line of Survey (AC = 66) |

TEXT GUIDELINES FOR C.A.D.D.
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RIGHT OF WAY (cont.)

TEXT SIZE/LINE WEIGHT

| | | |
|------------------------------|-----|--|
| <u>TX = 1.0/WT = 0.40 mm</u> | 17. | Base Line Stations (even stations) |
| <u>TX = 0.8/WT = 0.40 mm</u> | 18. | Base Line Stations for offsets and + 50 stations |
| <u>TX = 0.8/WT = 0.40 mm</u> | 19. | Offset distances |
| <u>TX = 0.8/WT = 0.40 mm</u> | 20. | Base Line bearings |
| <u>TX = 1.0/WT = 0.40 mm</u> | 21. | Base Line coordinate values |
| <u>TX = 0.8/WT = 0.40 mm</u> | 22. | Base Line angles |
| <u>TX = 1.0/WT = 0.40 mm</u> | 23. | Base Line equalities |
| <u>TX = 1.0/WT = 0.40 mm</u> | 24. | PC's, PT's, PRC's, PCC's, ST's, TS's, CS's and SC's |
| <u>TX = 0.8/WT = 0.40 mm</u> | 25. | Curve Data |
| <u>TX = 0.8/WT = 0.40 mm</u> | 26. | End Right of Way Line of Through Highway (AC = 28) |
| <u>TX = 0.8/WT = 0.40 mm</u> | 27. | Existing End Right of Way Line of Through Highway (AC = 28.1) |
| <u>TX = 1.4/WT = 0.60 mm</u> | 28. | Road Names |
| <u>TX = 1.0/WT = 0.40 mm</u> | 29. | Right of Way Line of Through Highway and Existing Right of Way Line of Through Highway (AC = 27 or 27.1) |
| <u>TX = 1.0/WT = 0.40 mm</u> | 30. | Existing Right of Way Line of Through Highway (AC = 25, 25.1, or 25.2) |

PROPERTY

| | | |
|------------------------------|----|------------------------------------|
| <u>TX = 0.8/WT = 0.40 mm</u> | 1. | Line of Division (AC = 76 or 76.1) |
| <u>TX = 1.4/WT = 0.40 mm</u> | 2. | Subdivision Names |
| <u>TX = 1.0/WT = 0.40 mm</u> | 3. | Subdivision Recording Information |

TEXT GUIDELINES FOR C.A.D.D.
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PROPERTY (cont.)

TEXT SIZE/LINE WEIGHT

| | | |
|------------------------------|-----|--|
| <u>TX = 0.8/WT = 0.40 mm</u> | 4. | Lease Lines (AC = 81 or 81.1) |
| <u>TX = 0.8/WT = 0.25 mm</u> | 5. | Metes and Bounds bubble numbers |
| <u>TX = 1.2/WT = 0.50 mm</u> | 6. | Metes and Bounds |
| <u>TX = 1.2/WT = 0.50 mm</u> | 7. | Acreage and Square Footage in Metes and Bounds Block |
| <u>TX = 1.2/WT = 0.60 mm</u> | 8. | Property Names |
| <u>TX = 0.8/WT = 0.40 mm</u> | 9. | Bearings on lines of division |
| <u>TX = 0.8/WT = 0.40 mm</u> | 10. | Deed reference notes |
| <u>TX = 0.8/WT = 0.40 mm</u> | 11. | Point of Beginning (AC = 75, 75.1, or 75.2) |

EASEMENT

| | | |
|------------------------------|----|--|
| <u>TX = 0.8/WT = 0.40 mm</u> | 1. | Revertible Easement for Special Purpose |
| <u>TX = 0.8/WT = 0.40 mm</u> | 2. | Revertible Easement for Supporting Slopes (AC = 49 or 49.1) |
| <u>TX = 0.8/WT = 0.40 mm</u> | 3. | Perpetual Easement for Drainage Facility (AC = 42 or 42.1) |
| <u>TX = 0.8/WT = 0.40 mm</u> | 4. | Perpetual Easement for Inlet Ditch (AC = 45 or 45.1) |
| <u>TX = 0.8/WT = 0.40 mm</u> | 5. | Perpetual Easement for Outlet Ditch (AC = 44 or 44.1) |
| <u>TX = 0.8/WT = 0.40 mm</u> | 6. | Perpetual Easement for Stream Change (AC = 46 or 46.1) |
| <u>TX = 0.8/WT = 0.40 mm</u> | 7. | Perpetual Easement for Special Purpose (AC = 43 or 43.1) |
| <u>TX = 0.8/WT = 0.40 mm</u> | 8. | Temporary Easement Area "See Note A" (AC = 50) |
| <u>TX = 0.8/WT = 0.40 mm</u> | 9. | Note 'A' for Temporary Easement Area (AC = 51) |

TEXT GUIDELINES FOR C.A.D.D.
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EASEMENT (cont.)

TEXT SIZE/LINE WEIGHT

| | | |
|------------------------------|-----|---|
| <u>TX = 0.8/WT = 0.40 mm</u> | 10. | Limit of Utility Right of Way |
| <u>TX = 0.8/WT = 0.40 mm</u> | 11. | Limit of Utility Easement |
| <u>TX = 0.8/WT = 0.40 mm</u> | 12. | Limit of Flood Plain |
| <u>TX = 0.8/WT = 0.40 mm</u> | 13. | Limit of County Easement for Slopes |
| <u>TX = 0.8/WT = 0.40 mm</u> | 14. | Limit of County Perpetual Easement for Drainage |

GRAPHIC

| | | |
|------------------------------|----|---|
| <u>TX = 0.8/WT = 0.25 mm</u> | 1. | Topography delineation |
| <u>TX = 0.8/WT = 0.40 mm</u> | 2. | Directional arrow locator |
| <u>TX = 1.0/WT = 0.50 mm</u> | 3. | Blow-up or insert scales |
| <u>TX = 0.8/WT = 0.25 mm</u> | 4. | Proposed pipe culvert, box culvert labeling |
| <u>TX = 1.2/WT = 0.50 mm</u> | 5. | Title block contract |
| <u>TX = 1.2/WT = 0.50 mm</u> | 6. | Title block termini |

MISCELLANEOUS

| | | |
|------------------------------|----|--|
| <u>TX = 0.8/WT = 0.40 mm</u> | 1. | Dedication Line (AC = 77 or 77.1) |
| <u>TX = 0.8/WT = 0.40 mm</u> | 2. | Donation Line (AC = 78 or 78.1) |
| <u>TX = 0.8/WT = 0.40 mm</u> | 3. | Reservation Line (AC = 80 or 80.1) |
| <u>TX = 0.8/WT = 0.40 mm</u> | 4. | Overpass and Underpass notes (AC = 29 or 29.1) |
| <u>TX = 0.8/WT = 0.40 mm</u> | 5. | Limit of Denial of Vehicular Access notes (AC = 32) |

TEXT GUIDELINES FOR C.A.D.D.
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MISCELLANEOUS (cont.)

TEXT SIZE/LINE WEIGHT

| | | |
|------------------------------|-----|---|
| <u>TX = 0.8/WT = 0.40 mm</u> | 6. | Existing Limit of Denial of Vehicular Access notes (AC = 32.1) |
| <u>TX = 1.0/WT = 0.40 mm</u> | 7. | For metes and bounds see plat ____ note in a box (00) |
| <u>TX = 1.6/WT = 0.80 mm</u> | 8. | Match Mark See Plat _____ |
| <u>TX = 1.6/WT = 0.80 mm</u> | 9. | Match Mark See Plat _____ Contract _____ |
| <u>TX = 0.8/WT = 0.40 mm</u> | 10. | Expressway or Controlled Access Arterial Highway note (AC = 107, 107.1, 107.2, or 107.3) |
| <u>TX = 0.8/WT = 0.40 mm</u> | 11. | Books, part of plats and revisions |
| <u>TX = 1.2/WT = 0.40 mm</u> | 12. | Area conveyed or to be conveyed note (AC = 119 or 119.1) |
| <u>TX = 2.4/WT = 1.20 mm</u> | 13. | Plat number |

In order to allow the draftsmen a certain amount of individuality, North Arrows and Directional Arrows may be shown how and where the draftsmen feels fit within reason. Metes and bounds breaks and base line circles may be shown whatever size the draftsman feels is appropriate and metes and bounds bubbles should be sized as to fit around the course numbers all within a reasonable size. The North arrow should be placed in a position on the plats where it can be easily located.

**PLATS
AND
SURVEYS**

PLAT GUIDELINES

(FOR AUTOCAD)

**LINEWORK
C.A.D.D.**

LINEWORK GUIDELINES FOR C.A.D.D.RIGHT OF WAY**NOTE**

LS = 0..... is a Continuous or Solid Line

LS=LOD or LOT LINE is a Triple Dash Line

LINE WEIGHT/LINE STYLE

- | | | |
|----------------------------|-----|--|
| <u>WT = 1.20 mm/LS=0</u> | 1. | Right of Way Line |
| <u>WT = 1.20 mm/LS=0</u> | 2. | Right of Way Line of Through Highway |
| <u>WT = 0.50 mm/LS=LOD</u> | 3. | Existing Right of Way Line |
| <u>WT = 1.20 mm/LS=0</u> | 4. | Right of Way Line and Existing Right of Way Line |
| <u>WT = 1.20 mm/LS=0</u> | 5. | Right of Way Line and Line of Division |
| <u>WT = 1.20 mm/LS=0</u> | 6. | Right of Way Line and Dedication Line |
| <u>WT = 1.20 mm/LS=0</u> | 7. | Right of Way Line and _____ County Right of Way Line |
| <u>WT = 1.20 mm/LS=0</u> | 8. | Right of Way Line and _____ Railroad Right of Way Line |
| <u>WT = 0.60 mm/LS=LOD</u> | 9. | _____ County Right of Way Line |
| <u>WT = 0.60 mm/LS=LOD</u> | 10. | _____ Railroad Right of Way Line |
| <u>WT = 1.20 mm/LS=0</u> | 11. | Right of Way Line and Reservation Line |
| <u>WT = 0.40 mm/LS=0</u> | 12. | Base Line of Right of Way |
| <u>WT = 0.40 mm/LS=0</u> | 13. | Base Line of Construction |
| <u>WT = 0.40 mm/LS=0</u> | 14. | Base Line of Right of Way and Base Line of Construction |
| <u>WT = 0.40 mm/LS=0</u> | 15. | Base Line of Survey |
| <u>WT = 0.40 mm/LS=0</u> | 16. | Base Line of Right of Way and Base Line of Survey |
| <u>WT = 1.20 mm/LS=0</u> | 17. | Right of way line of Through Highway and Existing Right of Way Line of Through Highway |
| <u>WT = 0.50 mm/LS=LOD</u> | 18. | Existing Right of Way Line of Through Highway |

LINEWORK GUIDELINES FOR C.A.D.D.PROPERTYLINEWEIGHT/LINE STYLE

- | | |
|---------------------------------|--------------------------|
| <u>WT = 0.40 mm/LS=0</u> | 1. Reservation Line |
| <u>WT = 0.40 mm/LS=LOD</u> | 2. Line of Division |
| <u>WT = 0.40 mm/LS=LOT LINE</u> | 3. Subdivision Lot Lines |
| <u>WT = 0.40 mm/LS=0</u> | 4. Lease Lines |

EASEMENTSLINEWEIGHT/LINE STYLE

- | | |
|--------------------------|--|
| <u>WT = 0.40 mm/LS=0</u> | 1. Limits of Revertible Easement for Supporting Slopes |
| <u>WT = 0.25 mm/LS=0</u> | 2. Revertible Easement for Supporting Slopes hatching |
| <u>WT = 0.25 mm/LS=0</u> | 3. Perpetual Easement for Drainage Facility cross-hatching |
| <u>WT = 0.40 mm/LS=0</u> | 4. Limits of Perpetual Easement for Drainage Facility |
| <u>WT = 0.40 mm/LS=0</u> | 5. Limits of Perpetual Easement for Special Purpose |
| <u>WT = 0.60 mm/LS=0</u> | 6. Perpetual Easement for Special Purpose hatching |
| <u>WT = 0.40 mm/LS=0</u> | 7. Limits of Temporary Easement |
| <u>WT = 0.25 mm/LS=0</u> | 8. Temporary Easement hatching |
| <u>WT = 0.40 mm/LS=0</u> | 9. Limits of Utility Right of Ways |
| <u>WT = 0.40 mm/LS=0</u> | 10. Limits of Utility Easements |
| <u>WT = 0.40 mm/LS=0</u> | 11. Limits of County Easements for Slopes |
| <u>WT = 0.40 mm/LS=0</u> | 12. Limits of County Perpetual Easements for Drainage Facility |
| <u>WT = 0.40 mm/LS=0</u> | 13. Limits of Flood Plains. |

LINEWORK GUIDELINES FOR C.A.D.D.GRAPHICSLINEWEIGHT/LINE STYLE

- | | | |
|--------------------------|----|---|
| <u>WT = 0.30 mm/LS=0</u> | 1. | Dimension and Bracket Dimension Lines |
| <u>WT = 0.40 mm/LS=0</u> | 2. | Leads for notes (i.e. Right of Way Line, point of beginning, Reversible easement for supporting slopes, etc.) |
| <u>WT = 0.40 mm/LS=0</u> | 3. | Leads for overpass and underpass notes |
| <u>WT = 0.40 mm/LS=0</u> | 4. | Leads for limits of denial of vehicular access notes |
| <u>WT = 0.40 mm/LS=0</u> | 5. | Leads for end right of way line of through highway notes |
| <u>WT = 0.40 mm/LS=0</u> | 6. | Leads for existing limit of denial of vehicular access notes |
| <u>WT = 0.40 mm/LS=0</u> | 7. | Leads for existing end right of way line of through highway notes |
| <u>WT = 0.40 mm/LS=0</u> | 8. | Leads for PC's, PT's, PRC's, PCC's, ST's, CS's, SC's and TC's |

MISCELLANEOUSLINE WEIGHT/LINE STYLE

- | | | |
|--------------------------|----|--|
| <u>WT = 0.40 mm/LS=0</u> | 1. | Dedication Line |
| <u>WT = 0.40 mm</u> | 2. | Metes and Bounds Bubbles (AC = 121 or 121.1) |
| <u>WT = 0.60 mm/LS=0</u> | 3. | Metes and Bounds block borders |
| <u>WT = 0.60 mm/LS=0</u> | 4. | Blow up or insert borders |
| <u>WT = 0.40 mm/LS=0</u> | 5. | Drainage flow arrows |
| <u>WT = 1.20 mm/LS=0</u> | 6. | Proposed pipe culverts |
| <u>WT = 0.40 mm/LS=0</u> | 7. | High or low point of drainage |
| <u>WT = 0.40 mm</u> | 8. | Circles for Metes and Bounds breaks |

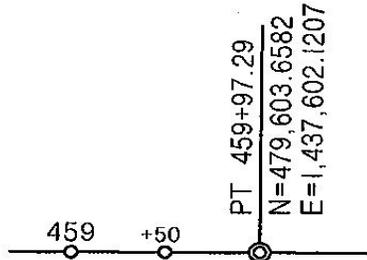
LINEWORK GUIDELINES FOR C.A.D.D.

MISCELLANEOUS

LINE WEIGHT/LINE STYLE

- | | | |
|--------------------------|-----|--|
| <u>WT = 0.25 mm</u> | 9. | Topographical Linework |
| <u>WT = 0.40 mm/LS=0</u> | 10. | Interior Lines of Metes and Bounds Block |
| <u>WT = 0.60 mm/LS=0</u> | 11. | Match Mark |

EXAMPLE LINE WORK



BASE LINE OF RIGHT OF WAY
 BASE LINE OF RIGHT OF WAY &
 BASE LINE OF CONSTRUCTION

RIGHT OF WAY LINE
RIGHT OF WAY LINE &
 EXISTING RIGHT OF WAY LINE

RIGHT OF WAY LINE &
 DONATION LINE &
 LINE OF DIVISION

RIGHT OF WAY LINE &
 DONATION LINE

EXISTING RIGHT OF WAY LINE
 COUNTY RIGHT OF WAY LINE

LINE OF DIVISION
 TITLE LINE

PERPETUAL EASEMENT
 FOR DRAINAGE FACILITY
 LIMIT OF EASEMENT AREA
REVERTIBLE EASEMENT
 FOR SUPPORTING SLOPES

MicroStation - AutoCAD Equivalencies

LINE WEIGHT

| <u>MicroStation</u> | <u>AutoCAD</u> |
|---------------------|----------------|
| 0 | 0.18 mm |
| 1 | 0.25 mm |
| 2 | 0.30 mm |
| 3 | 0.40 mm |
| 4 | 0.50 mm |
| 5 | 0.60 mm |
| 6 | 0.70 mm |
| 7 | 0.80 mm |
| 8 | 1.00 mm |
| 9 | 1.20 mm |

TEXT SIZE

| <u>MicroStation</u> | <u>AutoCAD</u> |
|---------------------|----------------|
| 4 | 0.80 |
| 5 | 1.00 |
| 6 | 1.20 |
| 7 | 1.40 |
| 8 | 1.60 |
| 12 | 2.40 |

COLOR

| <u>MicroStation</u> | <u>AutoCAD</u> |
|---------------------|----------------|
| 0 White | 7 White |
| 1 Blue | 5 Blue |
| 2 Green | 3 Green |
| 3 Red | 1 Red |
| 4 Yellow | 2 Yellow |
| 5 Magenta | 6 Magenta |
| 13 Orange | 30 Orange |

LINE STYLE

| <u>MicroStation</u> | <u>AutoCAD</u> |
|---------------------|----------------|
| 0 | Continuous |
| LOD | Triple Dash |
| LOT LINE | Triple Dash |