

Inkjet Specifications

Plats and surveys submission using Inkjet process

At the Annual Spring Conference of the Oregon Association of County Engineers and Surveyors held in Seaside in June, 1999, it was moved and unanimously approved by the counties represented that certain inkjet combinations will be accepted for filing.

[NOTE: The Washington County Clerk has stated that office will not accept inkjet combinations for plats and partitions. Washington County will accept surveys for filing based on the approved combinations]

The **ONLY COMBINATIONS** of **inkjet ink** and **polyester film** media which has been found to be acceptable are listed below.

The county surveyor of any given county may require a statement by any professional land surveyor submitting plats or surveys to the effect that the above products were used in preparing the plat or survey. This may take the form of a one-sentence typewritten and signed statement on a 8-1/2" x 11" sheet of paper, such as:

"I, Jeremiah Jones, state that this plat or survey was prepared using Hewlett-Packard Product # on Continental Milano # polyester film." "(signature) (date)"

It should be noted that any survey or plat submitted using plotters which do not use one of the below listed combinations will not be accepted for review or filing. Plotters using HP product # 51626A, using dye-based ink, is not archival or permanent. Continental Milano # JPF4M1 or JPF4M2 are not for use with Ink Jet inks and will not be accepted.

NOTE: YOU ARE CAUTIONED TO CHECK WITH YOUR COUNTY SURVEYOR PRIOR TO SUBMITTING ANY INK JET BASED ORIGINAL SURVEY MAP OR PLAT. NOT ALL COUNTIES ACCEPT THEM FOR FILING.

THIS IS NOT AN ENDORSEMENT OF ANY SPECIFIC PRODUCT OR COMBINATION OF PRODUCTS.

The following County Surveyors have agreed to accept inkjet plots

for filing of survey maps using certain ink and media combinations:

**ALL COUNTIES
EXCEPT MARION & WASHINGTON
(SEE ABOVE)**

Testing Results: NOTE - The below results do NOT constitute an endorsement by the Oregon Association of County Engineers and Surveyors (O.A.C.E.S.). These results were discussed and those passing the tests were approved for acceptance by those present at the Fall Conference in Seaside November 18th, 1999. More recently, O.A.C.E.S. approved the #12 and 13 combinations listed below, based on recent testing. Unless O.A.C.E.S. is informed otherwise from County Surveyors, this approval is considered to be statewide except as noted at top of this page. Check with the applicable county surveyors office during the interim concerning the below listed results.

Ink/media combinations which PASSED our testing procedures:

1. HP Cartridge #51640A, #51645A, # 51629 or #1892A (UV) on Continental Milano # JPC4M1* or JPC4M2* polyester film.

2. HP Cartridge # 51645A on Continental Milano JPD-4E

3. HP Cartridge # 51645A on OCE # 868342

4. HP Cartridge # 51645A on AZON 13-0444 - 4 mil double matte

4. HP Cartridge # 51645A on Comstock 130444 - 4 mil double matte (added 1/25/2002)

5. HP Cartridge # 51645A on Bullfrog BF7804IJ

6. HP Cartridge # C4871A on HP #51642B Mylar (HP plottter DJ1055CM)

7. Graphic Utilities # 81581 (pigmented ink refill for HP51626A cart.) on Continental Milano JPC4M1* or JPC4M2* polyester film

8. Graphic Utilities # 618101 (pigmented ink refill for HP51640A cart.) on Continental Milano JPC4M1* or JPC4M2* polyester

9. Graphic Utilities # 611781 (pigmented ink refill for HP51645A cart.) on Continental Milano JPC4M1* or JPC4M2* polyester film

10. HP Cartridge # 4844A on Continental Milano # JPC4M1* or JPC4M2* polyester film. (new series HP 500 & 800 plotters)

11. HP Cartridge #C4871A on Continental Milano # JPC4M1* or JPC4M2* polyester film.

12. HP pigmented inks on Hwan WMF polyester (A & E Imaging is sole source for this product - contact Duk Oh at 503-574-4021) (added 5/26/2005) NEW

13. HP pigmented inks on Oce FBOC05 (Outdoor backlit film) (added 6/15/2005) NEW

Note: Graphics Utilities # 81581 refills operate in HP 200 series Designjet Plotters. Graphics Utilities products are available through various distributors: call 1-800-669-4723 for more information.

Also, be aware that some of the above listed media may no longer be commercially available.

*As of June 2, 2005, Continental (now renamed Milano) notified us that they are retaining the designation of JPC4M2, which is a new product, replacing the old version with the same #, (but less expensive now). This combination had been approved by OACES at their monthly meeting on 5/26/2005, and was confirmed at the annual Spring Conference on 6/15/2005)

Other ink/media combinations may be submitted for testing. Contact Dan Linscheid, Yamhill County Surveyor at (503)434-7415, or surveyor@co.yamhill.or.us

Ink/media combinations which FAILED our testing procedures:

1. HP #51626A (dye based) on any film tested to date. (failed immersion & exposure test)

2. HP #51640C/ Y/M (mixed to produce black) on any media. (failed immersion test)

4. Dietzgen #7923D24A (failed immersion)

5. Boise Cascade #P8IJF4-244166 (failed immersion)

Caveat on Inkjet Plots ..

Hewlett Packard does NOT change inkjet formulation for various cartridges during production runs. If you experience stability problems with the HP 1050C series plotter, download updated firmware drivers at http://productfinder.support.hp.com/tps/ProductFinder?h_lang=en&h_tool=software&h_query=designjet+1050c, and using the new displayed options at plot time, select "use black ink only". This bars the combination of various colored dyes from being used in the plotting process. If adherence or permanence problems continue, the problem may be with the polyester film manufacturers variability during a particular production run. Some counties permit the filing of 100% acid-free bond paper surveys, partitions and subdivisions. Pigmented black ink is the only ink allowed (do not allow the plotter to mix colors to formulate black).

Last update 6/22/2005 by Dan Linscheid

For additions or corrections:
surveyor@co.yamhill.or.us