

# As Built Plans: Mark-Up Standards

## Introduction

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**Overview** As Built Plans, also referred to as As Constructed Final Plans (ACFP), or Marked Final Plans, are original awarded project plan sheets that have been updated to show changes, corrections and comments made during construction.

Accurate As Built Plans represent existing field conditions as the project was open to the public. The Michigan Department of Transportation (MDOT) and external customers depend on As Built information to:

- Settle contract disputes
- Support future legislation
- Meet Freedom of Information Act (FOIA) requests

The corporate information contained in the As Built Plans will be used for decades. It is imperative that every Region, TSC, and consulting firm follow the given standards.

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**Purpose** This document is to be used as the standards for appropriately marking-up acceptable As Built Plans.

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## As Built Comments and Corrections

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**PDF Format** As Built Plans must conform to the specifications and examples listed in this document. The corrections can be done by hand or scanned to PDF or by CAD plotted to PDF.

Individual PDF documents are required from either CAD or by hand mark-ups.

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**ACFP Sheet Specifications**

- Full plan sheets are to be sized and scaled at 24 X 36
  - Plan half jobs are to be sized and scaled to 11 X 17
  - Log Jobs can be submitted in a 8.5 X 11 format
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**Plan Sheet  
Quality**

Plans sheets are to contain clear mark-ups and be in excellent plan quality.

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**What to  
Capture?**

For specific details for capturing As Built corrections, refer to section 14.73 of the MDOT Road Design Manual. Be sure to include the following items:

- Horizontal Alignment – Changes in alignment, curve data and government ties
- Vertical Alignment – Changes in vertical curve, benchmarks, grades and ditch flows
- Drainage Topography – Changes in location, elevation, length and size of culverts, sewers, drains, manholes and catch basins
- Earthwork and Surfacing – **Major** earthwork, sub-base and surfacing quantity changes.

Small pay item changes **Do Not** qualify for As Built Plan corrections.

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**Black  
Ink Only**

All As Built Plan comments **must be shown in black ink only**. Pencil or ink of any color other than black **cannot** be used.

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**Hand  
Comments**

Hand comments and corrections must appear opaque (solid).

Comments by hand in a black felt-tip marker are acceptable provided no “**bleeding**” occurs that would compromise clarity.

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**CAD  
Mark-Ups**

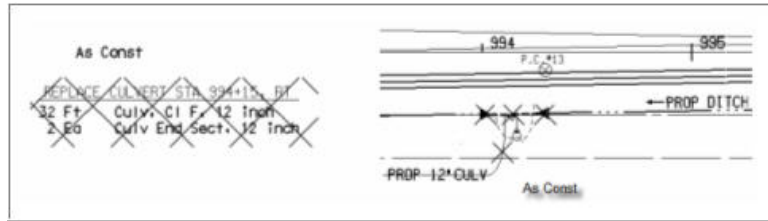
- CAD corrections go on level of AS\_CONST
  - Comments and corrections using CAD must use the line weight of the text it is modifying or replacing.
  - Use cross-hatch spacing of 20’ for large areas.
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**Clear  
Mark-Ups**

As Built comments are to be clearly added and corrections are to be neatly lined out as shown in the following example.

RECONSTRUCT COMM DR AT STA 992+43, RT		
72	<del>60</del> Ton	HMA Approach, High Stress
	<del>25</del> Syd	<del>HMA Patch, Rem</del>
As Const	68 Ft	Curb and Gutter, Conc, Det B2
	88 Ft	Driveway Opening, Conc, Det M
130	<del>124</del> Ft	Culv, CI F, 12 inch
	2 Ea	Culv End Sect, 12 inch

**DO NOT** obliterate the As Let plan data.



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## Contact Information

### Questions?

If you have any questions regarding the As Built Plans Mark-Up Standards, contact the MDOT Drafting Technical Support or MDOT Engineering Support Unit:

- [Mdot-projectwise@michigan.gov](mailto:Mdot-projectwise@michigan.gov)