

As Built Plans: Mark-Up Standards

Introduction

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 litigation
- 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.

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

As Built Comments and Corrections

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

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

- ACFP Sheet Specifications**
- Full plan sheets (pre e-Proposal) 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.

**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, aggregated base, pavement quantity and/or material changes.

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

**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.

**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.

**CAD
Mark-Ups**

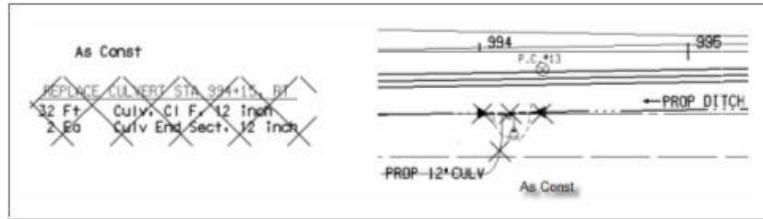
- CAD corrections go on level of AS_CONST
 - Comments and corrections using CAD must use the line weight of the text it is modifying or replacing.
 - Use an appropriate cross-hatch spacing for large areas to avoid obliterating the As Let plan.
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**Clear
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	60 Ton	HMA Approach, High Stress
	25 Syd	HMA Patch, Rem
As Const	68 Ft	Curb and Gutter, Conc. Det B2
	88 Ft	Driveway Opening, Conc. Det M
130	124 Ft	Culv. CI F. 12 inch
	2 Ea	Culv End Sect. 12 inch

DO NOT obliterate the As Let plan data.



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