

Improvement Plan Standards

All improvement plans shall conform to the following requirements and include the following detailed information:

1. All streets and cul-de-sacs shall show centerline stationing. Stationing shall be tied or referenced to existing monuments or other permanent reference points. Equations shall be shown at all centerline intersections.
2. Centerline monuments, in accordance with standard dwg M-3 shall be set at the beginning and end of each curve, at all intersections, ends of cul-de-sacs and on tangents exceeding 800 feet in length. Tangent monuments shall be equally spaced. All monuments shall be set based on the California coordinate system Zone No. 3.
3. Street plans shall show location of underground sanitary sewer, storm drain, domestic and non-potable water lines. Location of lines shall be referenced to street centerline manholes, catch basins, tees, valves and any other fittings, together with any angle points in the lines, shall be referenced to the appropriate centerline station.
4. Street plans shall show size and length of pipes between manholes, catch basins and/or valves, where a specific type of pipe is to be installed, such type shall also be indicated.
5. Street plans shall also show type of curb, gutter and sidewalk to be installed. Top of curb elevations at the beginning and end of each curb return, each catch basin and any grade breaks shall be indicated. Grade breaks shall be stationed.
6. Existing utility installations shall be shown as detailed above.
7. Street profile sheets shall show the size, length, slope, type and elevation of all existing and proposed sanitary sewer, storm sewer, water pipe lines, irrigation, electrical, gas, and telephone lines. Invert elevations at the ends of each pipe, at manholes and catch basins shall also be indicated.
8. Proposed street profiles shall show the existing ground profile and the date at which the profile was taken. Profiles of the existing and proposed curb and gutters shall be shown. Proposed profiles shall show the slope together with the elevations and stationing at each grade break and at the beginning and end of each curb return.
9. Improvement plan standards for street lighting work shall conform to standard dwgs. L-1 thru L-5
10. Horizontal and vertical scales shall be shown on each sheet of improvement plans.
11. All elevations shall be based on the U.S.G.S. datum.
12. A minimum of one bench mark shall be indicated on each sheet of the plans. The bench marks shall have been conveniently located for use in constructing the improvements on that particular sheet.
13. At the conclusion of construction, the engineer who prepared the improvement plans will add to the plans, for City record purposes, construction data based on information compiled and furnished by the engineer, contractors, inspector, and others. On those facilities that will be extended in the future (such as sanitary sewer lines, storm drain lines, water lines and curb and gutter installations), the engineer shall shoot the grades at the end of the facilities and include these "as constructed" grades on the record drawings.

NO.	REVISED	BY	Improvement Plan Standards	APPROVED
				 CITY ENGINEER RCE-28191
				DATE: 2-2-99
DRAWN BY: MATT			CITY OF RIPON	STANDARD NO. G-5
CHECKED BY: DJR				
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