

## Preliminary Plan Review (PPR) #2 Design: Minimum Requirements

☐ Horizontal Datum: California State Plan Coordinate System, Zone 3, NAD 83

☐ Vertical Datum: NAVD88, if NGVD29 provide conversion using web-based program such as "Vertcon"

Table: Point-of-Connection (POC) – Minimum Requirements					
POC	Item	Instructions	How to Show	Where	Checklist
Point of Connection (POC) 0+00	<input type="checkbox"/> New Manhole (MH)	<input type="checkbox"/> Field verified IE by potholing	<input type="checkbox"/> Pothole Table	Plan View	See "Design Concept" for sample table
		<input type="checkbox"/> Measured distance from Ex MH	<input type="checkbox"/> Depict on Sewer System Map (SS Map)	SS Map on Coversheet	See SS Map requirements at POC within "Plan Preparation" for instructions how to depict
	<input type="checkbox"/> Replace Ex Rodding Inlet (RI) with new MH	<input type="checkbox"/> Field verified RI was placed at 45° or vertical.	<input type="checkbox"/> Add note behind IE "field verified RI was installed at 45° <<or vertical>>"	Profile	See Profile requirements within "Plan Preparation" for instructions on notation
	<input type="checkbox"/> Ex MH	<input type="checkbox"/> Field verified IE	<input type="checkbox"/> Add note behind IE "field verified"	Profile	See Profile requirements within "Plan Preparation" for instructions on notation
<input type="checkbox"/> If out-of-compliance with above-items, applicable Variance(s) are approved, which is mandatory before advancing to PPR#3 – Plan Preparation.					

Table: Utility and Improvement Clearances – Minimum Requirements						
Utility Clearances	Item		Clearance	How to Show	Where	Checklist
Existing Utilities	<input type="checkbox"/> Record Drawings / As-builts Received			<input type="checkbox"/> Cross-Section (w/utilities)	Plan & Profile Sheet	See "Design Concept" for <u>Pothole Table</u> and <u>Utility Crossing Table</u> Samples and Instructions.
	<input type="checkbox"/> Location per Field Markings					
New Utilities	<input type="checkbox"/> Design Approved		<input type="checkbox"/> 3' horz clear (outer SS structure/SS pipe wall to outer structure/pipe)  <input type="checkbox"/> 1' vertical clear	<input type="checkbox"/> Pothole Table  <input type="checkbox"/> Utility Crossing Table	Sheet for Cross-Sections Only is acceptable	See <u>Profile</u> & <u>Plan View</u> sections within "Plan Preparation" for direction on how to depict clearances.
Existing Improvements	<input type="checkbox"/> Ex Gutter Lip <input type="checkbox"/> Ex Face of Curb (if no gutter) <input type="checkbox"/> Ex Edge of Pavement	<input type="checkbox"/> Ex Valley Gutter <input type="checkbox"/> Ex Misc. _____	<input type="checkbox"/> 5' horz clear (outer SS structure/SS pipe wall to improvement)	<input type="checkbox"/> Cross-Section (w/utilities)	Plan & Profile Sheets  Sheet for Cross-Sections Only is acceptable	See <u>Plan View</u> section within "Plan Preparation" for direction on how to depict clearances.
New Improvements	<input type="checkbox"/> New Gutter Lip <input type="checkbox"/> New Face of Curb (if no gutter) <input type="checkbox"/> New Edge of Pavement	<input type="checkbox"/> New Valley Gutter <input type="checkbox"/> New Misc. _____				
<input type="checkbox"/> If out-of-compliance with above-items, applicable Variance(s) are approved, which is mandatory before advancing to PPR#3 – Plan Preparation.						

Pipe & MH Types	All the Pipe is Under + Access to All New & Ex MHs	Required Drops at MH; Pipe Cover	Where	Checklist
<input type="checkbox"/> 8" PVC SDR-26 (preferred) <input type="checkbox"/> If not 8" PVC SDR-26, Central San has approved diam + type.	<input type="checkbox"/> Impervious Pavement	<input type="checkbox"/> MH Table	Plan & Profile Sheets	See "Design Concept" for <u>MH Table</u> Sample and Instructions.
<input type="checkbox"/> min slope = .0077				See <u>Plan View</u> section within "Plan Preparation" for direction on how to depict pipe, MHs, and impervious pavement over pipe and to access to MHs.
<input type="checkbox"/> max slope < 20%				
<input type="checkbox"/> if curve, radius > or = 260'				
<input type="checkbox"/> Std MH (DWG 19-01) <input type="checkbox"/> If not Std MH, Central has approved non-standard MH				
<input type="checkbox"/> If out-of-compliance with above-items, applicable Variance(s) are approved, which is mandatory before advancing to PPR#3 – Plan Preparation.				

Drops at SSMH:

- ☐ For Mains, IE in = thru (if Pipe Deflection Angle is less than 30 degrees)  
☐ For Mains, IE in = 0.25 exactly (if Pipe Deflection Angle is greater than 30 degrees)  
☐ For Trunks, IE in = 6" above crown