



# *THE ROLE OF THE PLANSET IN CONTRACT DOCUMENTS*

**APWA  
STREETS & TECHNOLOGY  
CONFERENCE  
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# How Do Plans Fit Into Contract Documents?

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- **Definition of Contract Documents**
- **Relevance of Plans in Contract Documents**
- **Precedence of Plans in Contract Documents**



# Preliminary Steps in Preparing Plans

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- **Envision the Project**
- **Control Surveys – Horizontal & Vertical**
- **Utility Investigations/Coordination**
- **Field Reviews**
- **Geotechnical Investigations**
- **Environmental Documentation**
- **Permit Requirements**
- **Compliance with Mitigation Plans**



# Plans, Specifications & Estimates

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- **Plan Preparation Requirements/Layout**
  - Preliminary – 30%, 60% & 90%
  - Final – 100%
- **Relationship of Plans to Specifications, General & Special Provisions**
- **Public & Private Contracts**
- **Engineer's Estimate of Probable Construction Cost**
- **Quality Control**



# Consultation During Construction

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- Clarify Intent of Plans
- Provide Technical Consultation
- As-Built Drawing Recordation
- Liability Considerations



# Key Points to Remember

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- **Clearly Defined PS&E Package**
- **Put Yourself in the Contractor's Place**
- **Avoid Redundancy**
- **Utilize Standard Plans & Specs**
- **Constructability Reviews**
- **Partnering for Success**

