

SEWER AND OTHER UTILITIES CONSTRUCTION PLAN REQUIREMENT CHECKLIST

1. GENERAL FOR ALL SHEETS:

- Sheets are 22" x 34" or 24" by 36" PDF
- Legend describing line types, symbols, abbreviations, etc.
- Final Plans – District acceptance signature blocks, as appropriate
- Stamped plans - checked, sealed, signed and dated by the Design Engineer
- Bar scale
- North arrow
- Key map
- Benchmarks
- Checked final construction plan requirements for other Town Departments

2. COVER SHEET:

- Project name and location
- Project number as assigned by District
- Sheet index
- Vicinity map
- Legend
- Name/contact information of Owner, Developer, Design Engineer, Land Surveyor, Landscape Architect, etc.
- District recognized project benchmarks and two (2) horizontal control points (northings and eastings)
- Signature line for all required Utility Companies.

3. NOTES SHEET:

- Project applicable water, sewer, and non-potable notes.
- Project applicable general construction notes from other Town Departments

4. UTILITY PLAN:

- Proposed and existing streets and alleys with labeled names and right-of-way width
- Lot and block numbers
- Property lines
- Proposed and existing utilities on and within 100 feet of the project site
- Proposed and existing easements including name and width; Recording information for existing easements
- Storm drainage facilities

- Phasing boundaries for utilities and structures
- Proposed and existing water, sewer, and non-potable points of connection to existing systems
- Water, sewer, and non-potable appurtenances - manholes, hydrants, valves, irrigation structures, services, etc.
- Labeled water, sewer, and non-potable pipe diameter, pipe material, and year of installation, if available
- Labeled utilities to be abandoned
- Lots identified to have shallow sewer as defined in criteria, if any
- Geotechnical bore locations on the plan view

5. CONDUIT PLAN:

- All checklist items under section 4: UTILITY PLAN are provided on the conduit plan
- Location shown for all conduits crossing right-of-way or easement
- Labeled conduit diameter
- Labeled number of conduits at a single crossing location
- Labeled depth of cover for conduit installation
- Labeled utility designated for each conduit

6. CONSTRUCTION PLAN VIEW –POTABLE AND NON-POTABLE WATER:

- Minimum horizontal design scale of 1" = 50'
- Horizontal alignment of water line and all appurtenances
- Proposed and existing streets and alleys with labeled names and right-of-way width
- List name of adjacent developments
- Lot and block numbers
- Property lines
- Proposed and existing easements including name and width
- All other proposed and existing utilities and facilities
- Phasing boundaries for utilities and structures
- Indicated proposed method of connection to existing system
- Mainline appurtenances shown and labeled – valves, fittings, hydrants, services, meters, thrust blocks, restrained pipe lengths, etc.
- Labeled potable and non-potable water line pipe diameter, pipe material, and year of installation
- Match lines labeled with corresponding sheet number
- Size and location (by station) of services
- Key map
- North arrow
- Bar scale

- Pipe or street centerline stationing
- Stationing provided for all mainline appurtenances
- Horizontal location information provided for all mainline appurtenances (ie. northings/eastings, station offset)

7. CONSTRUCTION PROFILE VIEW – POTABLE AND NON-POTABLE WATER:

- Minimum vertical design scale of 1" = 10'
- Vertical alignment of water line and all appurtenances
- All existing and proposed utility crossings shown and labeled including diameter
- Phasing boundaries
- Mainline appurtenances shown and labeled – valves, vertical deflections, water line lowering's, etc.
- Labeled clearance distance between profiled water line and all crossing utilities
- Labeled water line diameter, pipe material, pipe class, and length of pipe between fittings
- Match lines labeled with corresponding sheet number
- Stationing provided for all mainline appurtenances
- Labeled top of pipe elevations on proposed fittings, valves, and points of vertical deflection
- Labeled depth of cover between top of water line and finished grade
- Existing and proposed ground lines
- Phasing boundaries for water line, if any

8. CONSTRUCTION PLAN VIEW – SANITARY SEWER:

- Minimum horizontal design scale of 1" = 50'
- Horizontal alignment of sewer line and all appurtenances
- Proposed and existing streets and alleys with labeled names and right-of-way width
- Lot and block numbers
- Property lines
- Proposed and existing easements including name and width
- All other proposed and existing utilities and facilities
- Phasing boundaries for utilities and structures
- Indicated proposed method of connection to existing system
- Mainline appurtenances shown and labeled – manholes, services, etc.
- Labeled sewer line pipe diameter, pipe material, and year of installation (if available)
- Match lines labeled with corresponding sheet number Size and location (by station) of services
- Key map
- North arrow
- Bar scale

- Pipe or street centerline stationing
- Stationing provided for all manholes
- Horizontal location information provided for all manholes (ie. northings/eastings, station offset)
- Lots identified that have shallow sewer, if any

9. CONSTRUCTION PROFILE VIEW – SANITARY SEWER:

- Minimum vertical design scale of 1" = 10'
- Vertical alignment of sewer line and all appurtenances
- All existing and proposed utility crossings shown and labeled including diameter
- Phasing boundaries
- Mainline appurtenances shown and labeled – manholes, length of pipe between manholes, pipe slopes, manhole rim elevations, all mainline and service invert elevations, etc.
- Labeled clearance distance between profiled sewer line and all crossing utilities
- Labeled sewer line diameter and pipe material
- Match lines labeled with corresponding sheet number
- Stationing provided for all manholes
- Existing and proposed ground lines
- Phasing boundary, if any, for sewer line
- Identified lengths of shallow sewer main, if any
- STANDARD DRAWING (DETAIL) SHEET(S):
- Project applicable, Kremmling Sanitation District Standard Drawings
- Project applicable Standard Drawings from other Town Departments
- All non-standard details including details of any connections, crossings, special fittings, project specific installation detail, etc.

10. LANDSCAPE PLANS:

- Show and label irrigation taps and meters, including size
- Show all sanitary sewer services and potable water services, meter pits, and curb stops
- The following note: No plant material with mature growth greater than three (3) feet in height shall be planted within sanitary sewer, or non-potable irrigation easements.
- The following note: No shrubs shall be planted within five (5) feet or trees within ten (10) feet of sanitary sewer manholes, sanitary sewer, or non-potable irrigation mains and services.

11. FINAL PLANS:

- Provide Engineer Stamped Plans
- Get all required signatures on plan cover sheet
- Submit the required # of plan sets to the District