



ROGUE VALLEY SEWER SERVICES

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**John Adams
City of Medford Planning
200 S. Ivy St
Medford, OR 97501**

RE: UGB Sewer Service Availability

John,

The following document is a summary of the availability of sewer to serve the proposed UGB expansion. Please note that estimating the potential cost would not provide an accurate means to evaluate the cost of serving the growth area. A more accurate means to measure the impact is to base the feasibility of utilizing the growth area based on the distance required to provide sewer mainline to serve the growth area. Also, the exact downstream impacts from commercial type uses are difficult to determine due to the variety of system demand from commercial properties.

Please review this summary and feel free to contact me with any questions concerning the availability study.

Sincerely,

Wade Denny, P.E.
District Engineer

Summary of Sanitary Sewer Availability to ESA

1101: Sewer is available to serve the proposed growth area as follows.

- South half of area can be served by extending 8 inch mainline from existing 8 inch gravity sewer located in Justice Road. The existing 8 inch gravity line flows into a pump station at the corner of Peace and Justice Road. Depending on the type of commercial development, the pump station may need to be upsized to handle the demand.
- North half of area will require a 450' 8 inch mainline from the east.
- Due to the variety of commercial property use, exact downstream impacts are difficult to determine.
- Internal mainline extensions will be required to serve the parcels. Determining the footage of mainline required will depend on the parcel configuration.

1102-1103: Sewer is available within the proposed growth area from the 8 inch and 10 inch mainlines within the growth areas.

- Internal mainline extensions will be required to serve the parcels. Estimating the footage of mainline required will depend on the parcel configuration, thus an estimate will not be provided.

1106-1105: Sewer is available from the existing 8 inch sewer within Justice Road.

- Internal mainline extensions will be required to serve the parcels. Estimating the footage of mainline required will depend on the parcel configuration, thus an estimate will not be provided.
- The existing 8 inch gravity line flows into a pump station at the corner of Peace and Justice Road. Depending on the type of commercial development, the pump station may need to be upsized to handle the demand.
- Due to the variety of commercial property use, exact downstream impacts are difficult to determine.

2101: Sewer is available within the proposed growth area.

- Development within this area will require a STEP system to connect to the existing 4 inch pressure line within the growth area.

2102: Sewer is available with the proposed growth area

- Development will require an internal 8 inch mainline extension from the existing mainline located mid growth area.

2103: Sewer is available from a mainline extension of +/- 50' from the 15" sewer main just west of the area in Vilas Road.

- Due to the variety of commercial property use, exact downstream impacts are difficult to determine.
- Internal mainline extensions will be required to serve the parcels. Estimating the footage of mainline required will depend on the parcel configuration, thus an estimate will not be provided.

2104: Sewer is available from a mainline extension of +/-600' from the 15" sewer main just west of the area in Vilas Road.

- Due to the variety of commercial property use, exact downstream impacts are difficult to determine.
- Internal mainline extensions will be required to serve the parcels. Estimating the footage of mainline required will depend on the parcel configuration, thus an estimate will not be provided.

2201: Sewer is available from a mainline extension of +/-1050' from the 15" sewer main just west of the area in Vilas Road.

- Internal mainline extensions will be required to serve the parcels. Estimating the footage of mainline required will depend on the parcel configuration, thus an estimate will not be provided.

2105: Sewer is available from a mainline extension of +/-50' from the 15" sewer main just north of the area in Vilas Road.

- Due to the variety of commercial property use, exact downstream impacts are difficult to determine.
- Internal mainline extensions will be required to serve the parcels. Estimating the footage of mainline required will depend on the parcel configuration, thus an estimate will not be provided.

2106: Sewer is available from a mainline extension of +/-750' from the 15" sewer main just west of the area in Vilas Road.

- Due to the variety of commercial property use, exact downstream impacts are difficult to determine.
- Internal mainline extensions will be required to serve the parcels. Estimating the footage of mainline required will depend on the parcel configuration, thus an estimate will not be provided.

2202: Sewer is available from an 8 inch mainline extension of +/-1100' from the 15" sewer main just west of the area in Vilas Road.

- Internal mainline extensions will be required to serve the parcels. Estimating the footage of mainline required will depend on the parcel configuration, thus an estimate will not be provided.

2108: Sewer is available from an 8 inch mainline extension of +/-366' from the 10" sewer main just south of the area and located on the east side Crater Lake Hwy.

- Due to the variety of commercial property use, exact downstream impacts are difficult to determine.
- Internal mainline extensions will be required to serve the parcels. Estimating the footage of mainline required will depend on the parcel configuration, thus an estimate will not be provided.

2203: Sewer is available from an 8 inch mainline extension of +/-1800' from the 10" sewer main southwest of the area and located on the east side Crater Lake Hwy.

- Internal mainline extensions will be required to serve the parcels. Estimating the footage of mainline required will depend on the parcel configuration, thus an estimate will not be provided.

2107: Sewer is available from an 8 inch mainline extension of +/-450' from the 10" sewer main just south of the area and located on the east side Crater Lake Hwy.

- Due to the variety of commercial property use, exact downstream impacts are difficult to determine.
- Internal mainline extensions will be required to serve the parcels. Estimating the footage of mainline required will depend on the parcel configuration, thus an estimate will not be provided.

3201: Sewer is available from an 8 inch mainline extension of +/-100' from the 8" sewer main west of the area and located in Coker Butte Road.

- Internal mainline extensions will be required to serve the parcels. Estimating the footage of mainline required will depend on the parcel configuration, thus an estimate will not be provided.

3202: Sewer is available from an 8 inch mainline extension of +/-100' from the 8" sewer main west of the area and located in Coker Butte Road.

- Internal mainline extensions will be required to serve the parcels. Estimating the footage of mainline required will depend on the parcel configuration, thus an estimate will not be provided.

3203: Sewer is available from an 8 inch mainline extension of +/-1150' from the 8" sewer main west of the area and located in Coker Butte Road.

- Internal mainline extensions will be required to serve the parcels. Estimating the footage of mainline required will depend on the parcel configuration, thus an estimate will not be provided.

3205,3206,3101,3204,3207,3102,3103,3208,3211,3209,3210,3212: Service to these areas will require a combination of mainline extensions of varying length and the installation of a minimum of one pump station to be served by RVSS. Some of these areas may be best served by the City.

9201: Service to this area can be obtained by a combination of sewer taps and or mainline extensions from the existing 10 inch mainline in Rossanley Drive.

9202: Sewer is available from existing 8 inch mainline fronting this area in Maple Park Drive and Finley Lane.

- Internal mainline extensions will be required to serve the parcels. Estimating the footage of mainline required will depend on the parcel configuration, thus an estimate will not be provided.

9203: Sewer is available from the existing 18 inch mainline fronting the area in Oak Grove Rd.

- Internal mainline extensions will be required to serve the parcels. Estimating the footage of mainline required will depend on the parcel configuration, thus an estimate will not be provided.

9204: Sewer is available from the existing 18 inch mainline in Oak Grove Rd and the existing 8 inch mainline in Stewart Ave.

- Internal mainline extensions will be required to serve the parcels. Estimating the footage of mainline required will depend on the parcel configuration, thus an estimate will not be provided.

7102: Sewer is available from 8 inch sewer mains in S. Stage Rd and Lillian St.

- Internal mainline extensions from one or more of these mains will be required to serve the parcels. Estimating the footage of mainline required will depend on the parcel configuration, thus an estimate will not be provided.
- Due to the variety of commercial property use, exact downstream impacts are difficult to determine.

7203: Sewer fronts this area at the corners of Kings Hwy. and S Stage Rd, Experiment Station Rd and Kings Hwy, and on Marsh Lane.

- Internal mainline extensions from one or more of these mains will be required to serve the parcels. Estimating the footage of mainline required will depend on the parcel configuration, thus an estimate will not be provided.

7202: Sewer fronts this area at the intersection of Experiment Station Rd and Marsh Ln.

- Internal mainline extensions from one or more of these mains will be required to serve the parcels. Estimating the footage of mainline required will depend on the parcel configuration, thus an estimate will not be provided.

7201: Sewer is available from existing 8 inch mainline stubbed out along the westerly edge of this area.

- Internal mainline extensions from one or more of these mains will be required to serve the parcels. Estimating the footage of mainline required will depend on the parcel configuration, thus an estimate will not be provided.

7101: Sewer is available from the existing 12 inch mainline stubbed out near the intersection of Myers Lane and Garfield Avenue.

- Internal mainline extensions from this main will be required to serve the parcels. Estimating the footage of mainline required will depend on the parcel configuration, thus an estimate will not be provided.

6301: Sewer is available from the existing 18 inch mainline located at this area northeast corner.

- Internal mainline extensions from this main will be required to serve the parcels. Estimating the footage of mainline required will depend on the parcel configuration, thus an estimate will not be provided.

6302 and 6101: Sewer is currently serving properties within these areas.

- Internal mainline extensions from this main will be required to serve the parcels. Estimating the footage of mainline required will depend on the parcel configuration, thus an estimate will not be provided.
- Due to the variety of commercial and industrial property uses the exact downstream impacts are difficult to determine.

5106: Sewer service is available from a 15 inch sewer extension of +/- 1000' from the south.

- Internal mainline extensions from this main will be required to serve the parcels. Estimating the footage of mainline required will depend on the parcel configuration, thus an estimate will not be provided.
- Due to the variety of commercial and industrial property uses the exact downstream impacts are difficult to determine.

5107: Sewer service is available from a 15 inch sewer extension of +/- 2200' from the south.

- If sewer is extended to area 5106, the sewer extension would be only about 500 feet.
- Internal mainline extensions will be required to serve the parcels. Estimating the footage of mainline required will depend on the parcel configuration, thus an estimate will not be provided.
- Due to the variety of commercial and industrial property uses the exact downstream impacts are difficult to determine.

5105, 5104, 5212, 5211, 5209, 5208, 5210, 5102, 5103, and 5207: Sewer is available from a combination of +/- 1500' of 15 inch, 3800' of 12", 1500' of 8" from the south.

- If sewer is extended to area 5106 or 5107, the above mentioned extension distances will be reduced.
- Internal mainline extensions will be required to serve the internal area parcels. Estimating the footage of mainline required will depend on the parcel configuration, thus an estimate will not be provided.
- Due to the variety of commercial and industrial property uses the exact downstream impacts are difficult to determine.