

Regional I/I Reduction Program Proposal

Member Community: City of Oregon City

Project Name: 2023 Catch Basin Disconnect Project

Date: August 31, 2023

WES SubBasin/Basin: OC_M05/Agnes_Main

Table ES-3. Basin Details Identified for I/I Reduction by 2040

Priority	Subbasin	Basin	Jurisdiction	RDI/I Rate at Timeframe of Reduction Target	Estimated CIPP Rehab Length (miles)	Estimated Lateral Services	Category 1, Percentage (R&R Program) ^a	Category 2, Percentage (RDI/I Rehab Program) ^b
1	OC_M08	WI-40	Oregon City	54,600	9.7	300	100%	0%
2	OC_M10	WI-40	Oregon City	47,600	4.2	210	100%	0%
9	OC_M12	WI-40	Oregon City	24,500	30.9	1,920	71%	29%
15	OC_M05	Agnes_Main	Oregon City	19,300	42.7	2,180	59%	41%

The 2023 Catch Basin Disconnect Project is located within the Falls Basin, which is located within the WES subbasin OC_M05. The identification of the catch basins being disconnected and design of the project was performed as part of the I&I Program Management Contract, which was approved by the TAT in March 2022.

This project includes disconnecting ~13 catch basins along Center Street/S Center Street from the sanitary sewer and connecting them to the storm sewer. The project is currently under design and will follow this approximate schedule:

- Final Plans: October 2023
- Bidding & Award: October/November 2023
- Construction: November 2023

The engineer’s construction estimate for this project is \$430,000, which excludes any design or inspection services (these are provided as part of the I&I Program Management Contract).

Proposed Project Extents 2023 Catch Basin Disconnect Project



- Legend**
- 2023 Catch Basin Disconnect Project
 - Catch Basin
 - Other I&I Sewer
 - Manhole
 - Main

Regional I/I Reduction Program Proposal

Member Community: City of Oregon City

Project Name: 2023 Manhole Sealing Project

Date: August 31, 2023

WES SubBasin/Basin: OC_M05/Agnes_Main & OC_M10/WI-40

Table ES-3. Basin Details Identified for I/I Reduction by 2040

Priority	Subbasin	Basin	Jurisdiction	RDI/I Rate at Timeframe of Reduction Target	Estimated CIPP Rehab Length (miles)	Estimated Lateral Services	Category 1, Percentage (R&R Program) ^a	Category 2, Percentage (RDI/I Rehab Program) ^b
1	OC_M08	WI-40	Oregon City	54,600	9.7	300	100%	0%
2	OC_M10	WI-40	Oregon City	47,600	4.2	210	100%	0%
9	OC_M12	WI-40	Oregon City	24,500	30.9	1,920	71%	29%
15	OC_M05	Agnes_Main	Oregon City	19,300	42.7	2,180	59%	41%

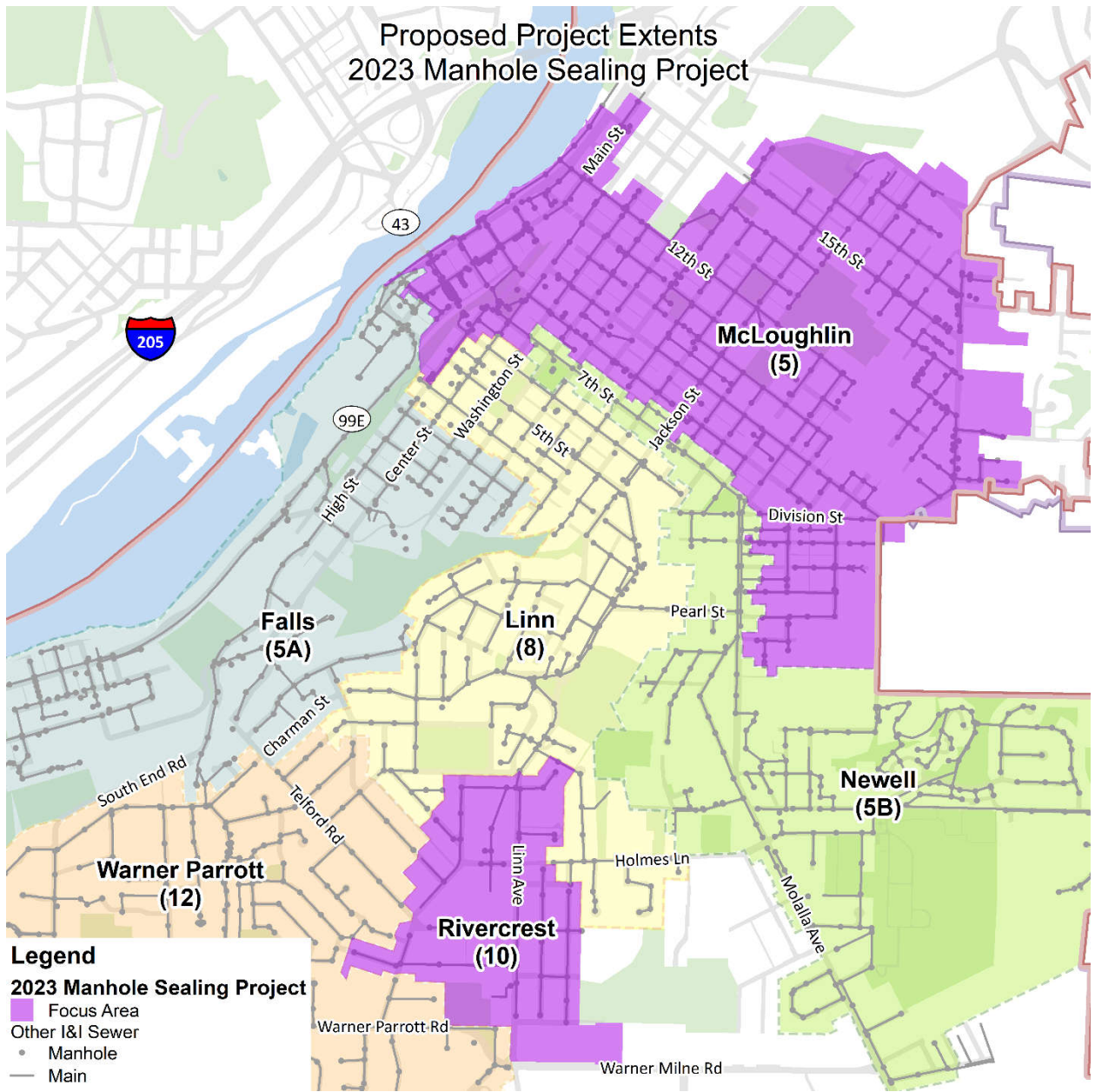
The 2023 Manhole Sealing Project is located within the McLoughlin and Rivercrest Basins, which are located within the WES subbasins OC_M05 and OC_M10, respectively. The identification of the manholes being rehabilitated and design of the project was performed as part of the I&I Program Management Contract, which was approved by the TAT in March 2022.

This project includes repairing ~140 manholes via grout sealing. The project is currently under design and will follow this approximate schedule:

- Final Plans: November 2023
- Bidding & Award: December 2023
- Construction: January 2024

The engineer’s construction estimate for this project is \$210,000, which excludes any design or inspection services (these are provided as part of the I&I Program Management Contract).

Proposed Project Extents 2023 Manhole Sealing Project



Regional I/I Reduction Program Proposal

Member Community: City of Oregon City

Project Name: Sanitary Sewer I/I Rehabilitation – Rivercrest Basin Project: Phase 4

Date: August 31, 2023

WES SubBasin/Basin: OC_M10/WI-40

Table ES-3. Basin Details Identified for I/I Reduction by 2040

Priority	Subbasin	Basin	Jurisdiction	RDI/I Rate at Timeframe of Reduction Target	Estimated CIPP Rehab Length (miles)	Estimated Lateral Services	Category 1, Percentage (R&R Program) ^a	Category 2, Percentage (RDI/I Rehab Program) ^b
1	OC_M08	WI-40	Oregon City	54,600	9.7	300	100%	0%
2	OC_M10	WI-40	Oregon City	47,600	4.2	210	100%	0%
9	OC_M12	WI-40	Oregon City	24,500	30.9	1,920	71%	29%
15	OC_M05	Agnes_ Main	Oregon City	19,300	42.7	2,180	59%	41%

The Sanitary Sewer I/I Rehabilitation – Rivercrest Basin Project: Phase 4 is located within the Rivercrest Basin, which is located within the WES subbasin OC_M10.

This project is a continuation of the previous Rivercrest I&I Rehabilitation Projects. Construction of Phase 3 of the larger project was approved by the WES TAT on March 31, 2022. After construction of the pipes and laterals was completed on all three phases, the Oregon City Commission approved a lateral policy allowing repair/replacement of laterals up to the home. As such, the Rivercrest Projects were no longer constructed to program standards.

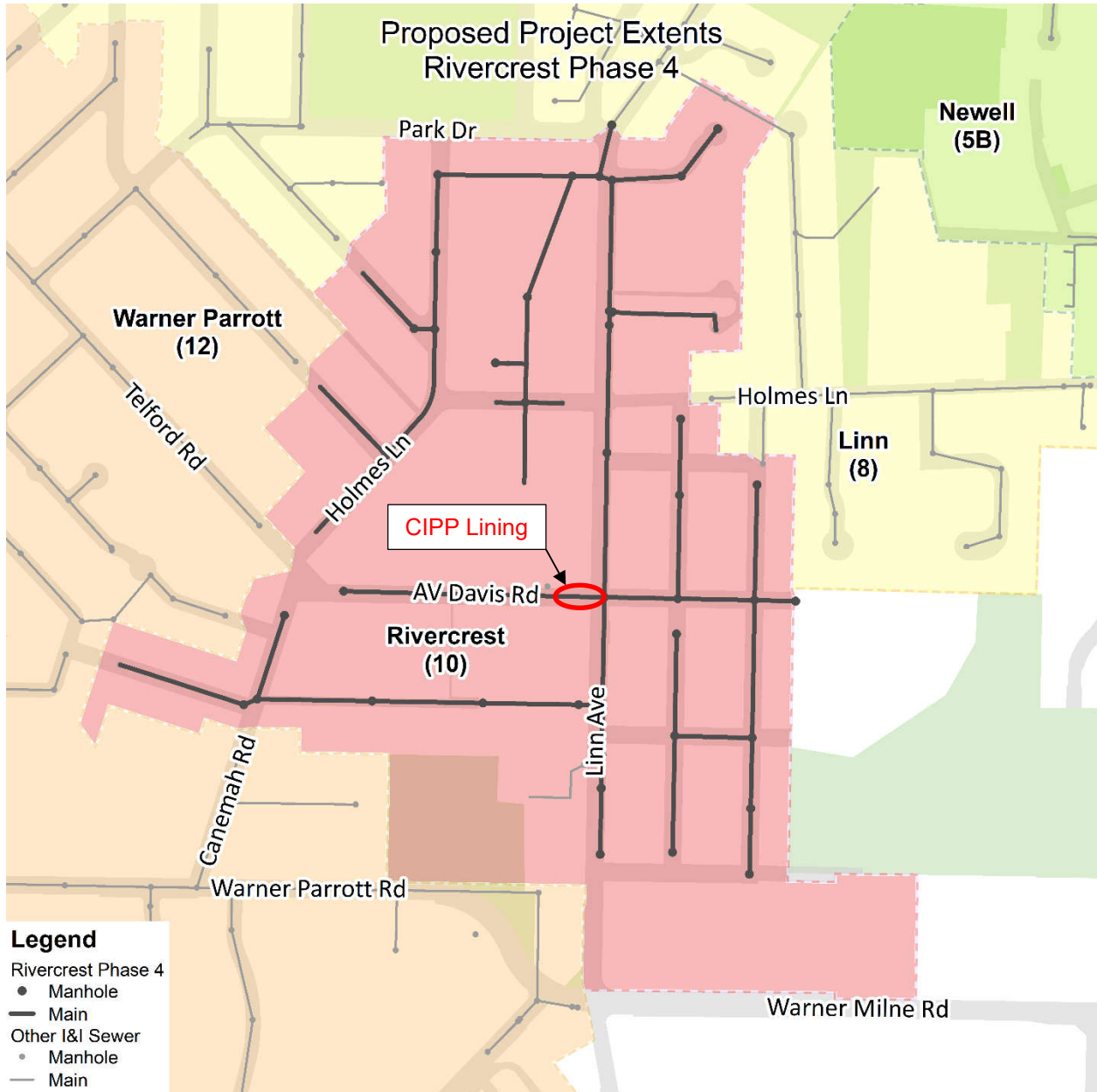
Oregon City decided to implement the lateral policy in the Rivercrest Basin via a standalone project to replace all laterals, as well as lining approximately 50 LF of sewer main that could not be addressed as part of Phase 3 due to unforeseen site conditions.

This project includes rehabilitating ~50 LF of sewer main via CIPP Lining and repairing ~240 sewer laterals from the edge of pavement to within 5 feet of the building (mostly within private property, though with some ROW replacements as well). The project is currently under design, and will follow this approximate schedule:

- Final Plans: October 2023
- Bidding & Award: October/November 2023
- Construction: November 2023

The engineer’s construction estimate for this project is \$3.0 million, which excludes any

design or inspection services (these are provided as part of the I&I Program Management Contract).



Regional I/I Reduction Program Proposal

Member Community: City of Oregon City

Project Name: Applegate Sanitary Sewer I&I Rehab Project

Date: August 31, 2023

WES SubBasin/Basin: OC_M05/Agnes_Main

Table ES-3. Basin Details Identified for I/I Reduction by 2040

Priority	Subbasin	Basin	Jurisdiction	RDI/I Rate at Timeframe of Reduction Target	Estimated CIPP Rehab Length (miles)	Estimated Lateral Services	Category 1, Percentage (R&R Program) ^a	Category 2, Percentage (RDI/I Rehab Program) ^b
1	OC_M08	WI-40	Oregon City	54,600	9.7	300	100%	0%
2	OC_M10	WI-40	Oregon City	47,600	4.2	210	100%	0%
9	OC_M12	WI-40	Oregon City	24,500	30.9	1,920	71%	29%
15	OC_M05	Agnes_Main	Oregon City	19,300	42.7	2,180	59%	41%

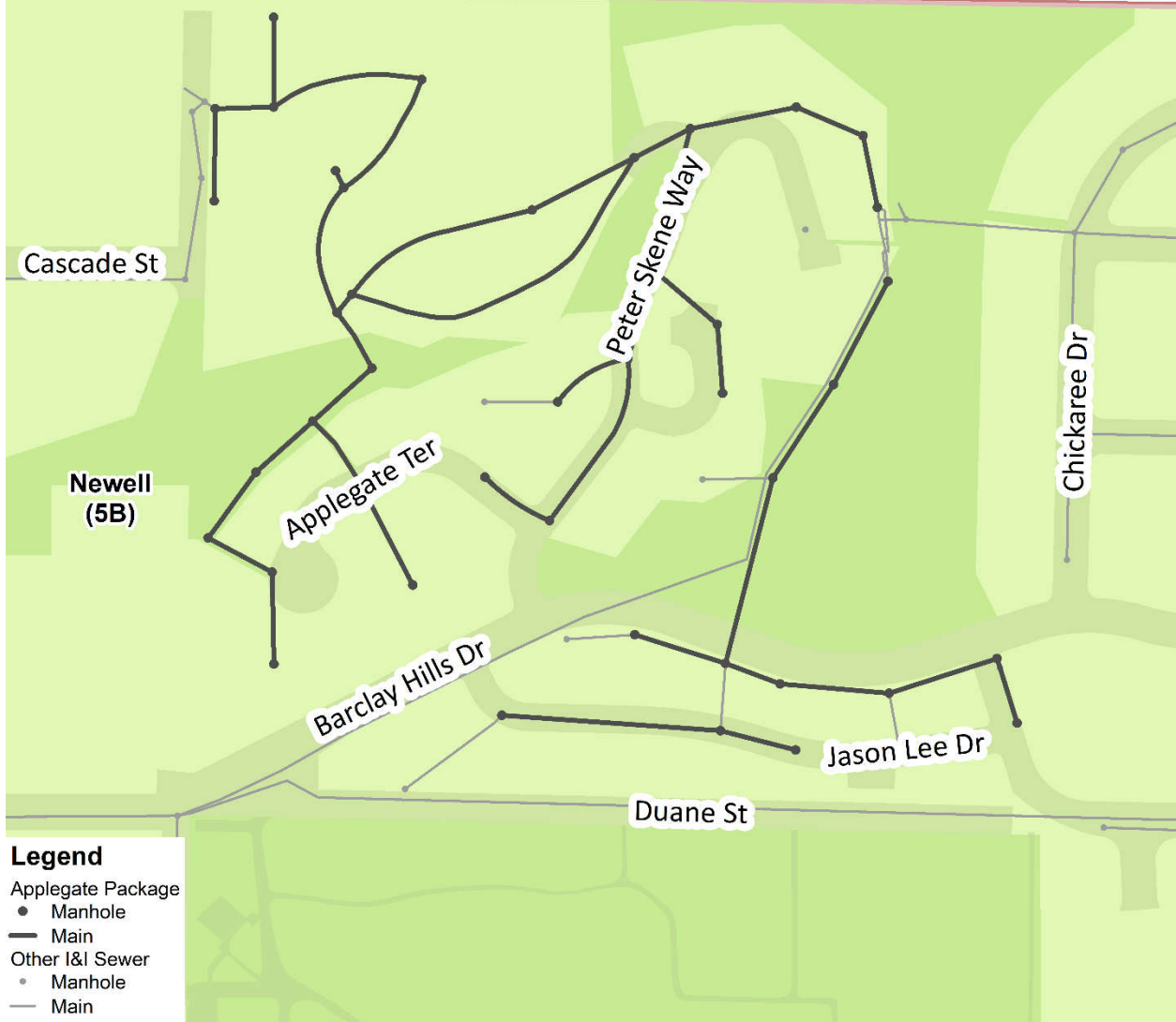
The Applegate Sanitary Sewer I&I Rehab Project is located within the Newell Basin, which is located within the WES subbasin OC_M05. The identification of the pipes being rehabilitated and design of the project was performed as part of the I&I Program Management Contract, which was approved by the TAT in March 2022.

This project includes rehabilitating ~6,100 LF of sewer main via pipe bursting and repairing ~75 sewer laterals from the sewer main to within 5 feet of the building (both in the ROW and on private property). The project is currently scoped and scheduled to begin design this winter, and will follow this approximate schedule:

- Final Plans: Early Summer 2024
- Bidding & Award: Mid to Late Summer 2024
- Construction: Fall 2024

The engineer’s construction estimate for this project is \$3.0 million, which excludes any design or inspection services (these are provided as part of the I&I Program Management Contract).

Proposed Project Extents Applegate Design Package



Regional I/I Reduction Program Proposal

Member Community: City of Oregon City

Project Name: Linn Basin Sanitary Sewer I&I Rehab Project 3

Date: August 31, 2023

WES SubBasin/Basin: OC_M08/WI-40

Table ES-3. Basin Details Identified for I/I Reduction by 2040

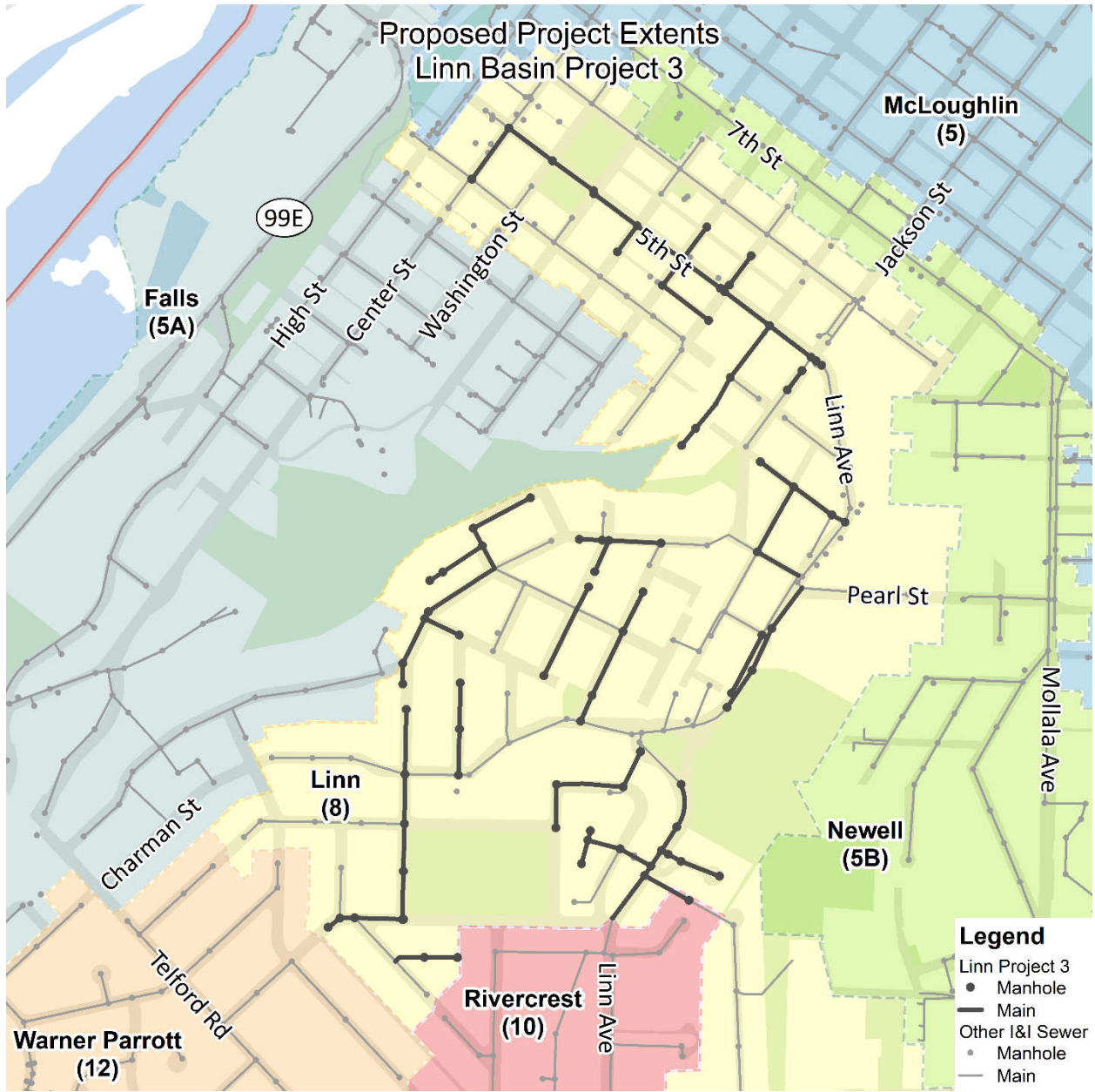
Priority	Subbasin	Basin	Jurisdiction	RDI/I Rate at Timeframe of Reduction Target	Estimated CIPP Rehab Length (miles)	Estimated Lateral Services	Category 1, Percentage (R&R Program) ^a	Category 2, Percentage (RDI/I Rehab Program) ^b
1	OC_M08	WI-40	Oregon City	54,600	9.7	300	100%	0%
2	OC_M10	WI-40	Oregon City	47,600	4.2	210	100%	0%
9	OC_M12	WI-40	Oregon City	24,500	30.9	1,920	71%	29%
15	OC_M05	Agnes_ Main	Oregon City	19,300	42.7	2,180	59%	41%

The Linn Basin Sanitary Sewer I&I Rehab Project 3 is located within the Linn Basin, which is located within the WES subbasin OC_M08. The identification of the pipes being rehabilitated and design of the project was performed as part of the I&I Program Management Contract, which was approved by the TAT in March 2022.

This project includes rehabilitating ~15,000 LF of sewer main via CIPP Lining and repairing ~240 sewer laterals from the sewer main to within 5 feet of the building (both in the ROW and on private property). The project is currently scoped and scheduled to begin design this winter, and will follow this approximate schedule:

- Final Plans: Early Summer 2024
- Bidding & Award: Mid to Late Summer 2024
- Construction: Fall 2024

The engineer’s construction estimate for this project is \$6.4 million, which excludes any design or inspection services (these are provided as part of the I&I Program Management Contract).



Regional I/I Reduction Program Proposal

Member Community: City of Oregon City

Project Name: Molalla Sanitary Sewer I&I Rehab Project

Date: August 31, 2023

WES SubBasin/Basin: OC_M05/Agnes_Main

Table ES-3. Basin Details Identified for I/I Reduction by 2040

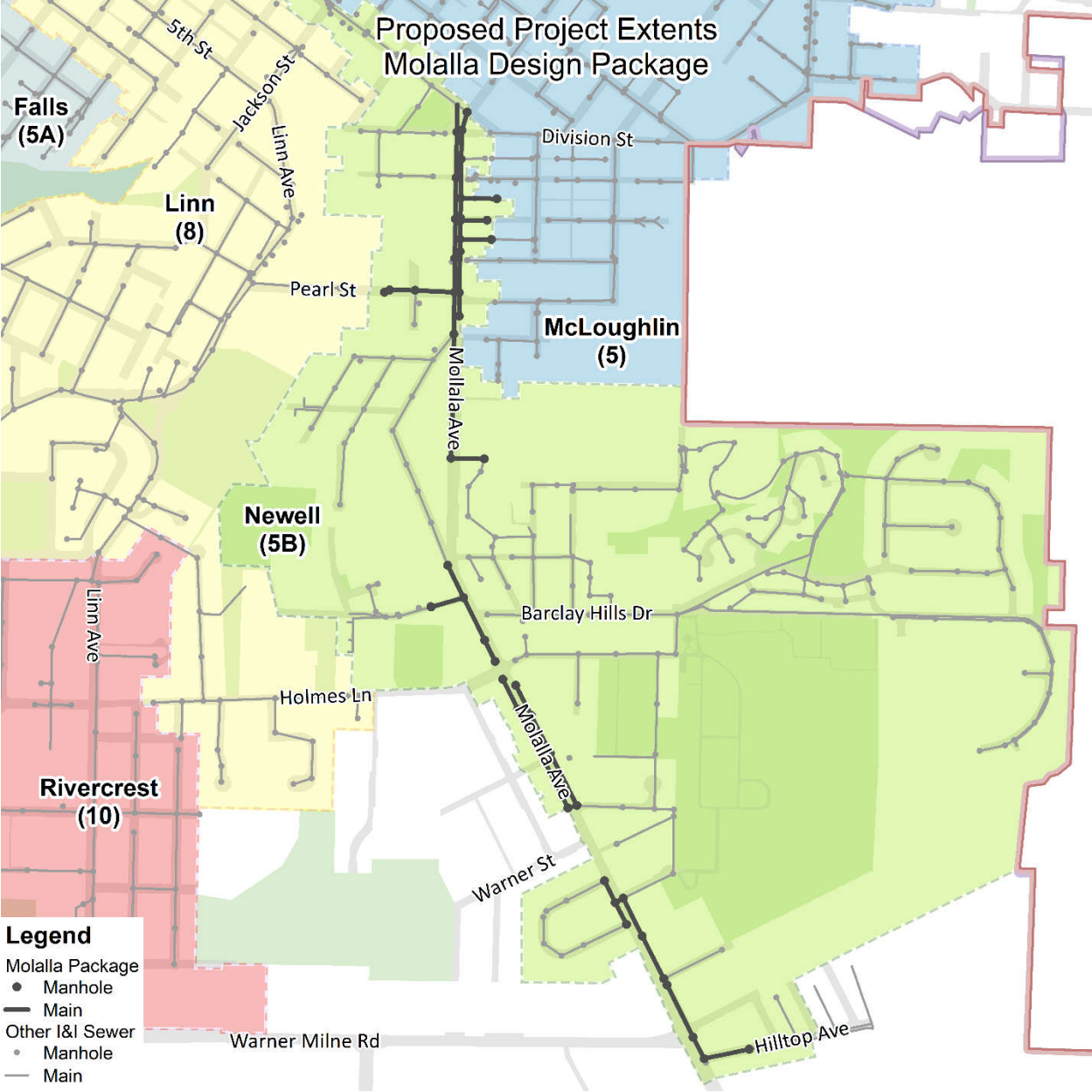
Priority	Subbasin	Basin	Jurisdiction	RDI/I Rate at Timeframe of Reduction Target	Estimated CIPP Rehab Length (miles)	Estimated Lateral Services	Category 1, Percentage (R&R Program) ^a	Category 2, Percentage (RDI/I Rehab Program) ^b
1	OC_M08	WI-40	Oregon City	54,600	9.7	300	100%	0%
2	OC_M10	WI-40	Oregon City	47,600	4.2	210	100%	0%
9	OC_M12	WI-40	Oregon City	24,500	30.9	1,920	71%	29%
15	OC_M05	Agnes_Main	Oregon City	19,300	42.7	2,180	59%	41%

The Molalla Sanitary Sewer I&I Rehab Project is located within the Newell Basin, which is located within the WES subbasin OC_M05. The identification of the pipes being rehabilitated and design of the project was performed as part of the I&I Program Management Contract, which was approved by the TAT in March 2022.

This project includes rehabilitating ~9,100 LF of sewer main via CIPP lining and repairing ~125 sewer laterals from the sewer main to within 5 feet of the building (both in the ROW and on private property). The project is currently scoped and scheduled to begin design this winter, and will follow this approximate schedule:

- Final Plans: May 2024
- Bidding & Award: June 2024
- Construction: July 2024

The engineer’s construction estimate for this project is \$4.0 million, which excludes any design or inspection services (these are provided as part of the I&I Program Management Contract).



Regional I/I Reduction Program Proposal

Member Community: City of Oregon City

Project Name: Singer Hill Sanitary Sewer I&I Rehab Project

Date: August 31, 2023

WES SubBasin/Basin: OC_M05/Agnes_Main

Table ES-3. Basin Details Identified for I/I Reduction by 2040

Priority	Subbasin	Basin	Jurisdiction	RD/I Rate at Timeframe of Reduction Target	Estimated CIPP Rehab Length (miles)	Estimated Lateral Services	Category 1, Percentage (R&R Program) ^a	Category 2, Percentage (RD/I Rehab Program) ^b
1	OC_M08	WI-40	Oregon City	54,600	9.7	300	100%	0%
2	OC_M10	WI-40	Oregon City	47,600	4.2	210	100%	0%
9	OC_M12	WI-40	Oregon City	24,500	30.9	1,920	71%	29%
15	OC_M05	Agnes_Main	Oregon City	19,300	42.7	2,180	59%	41%

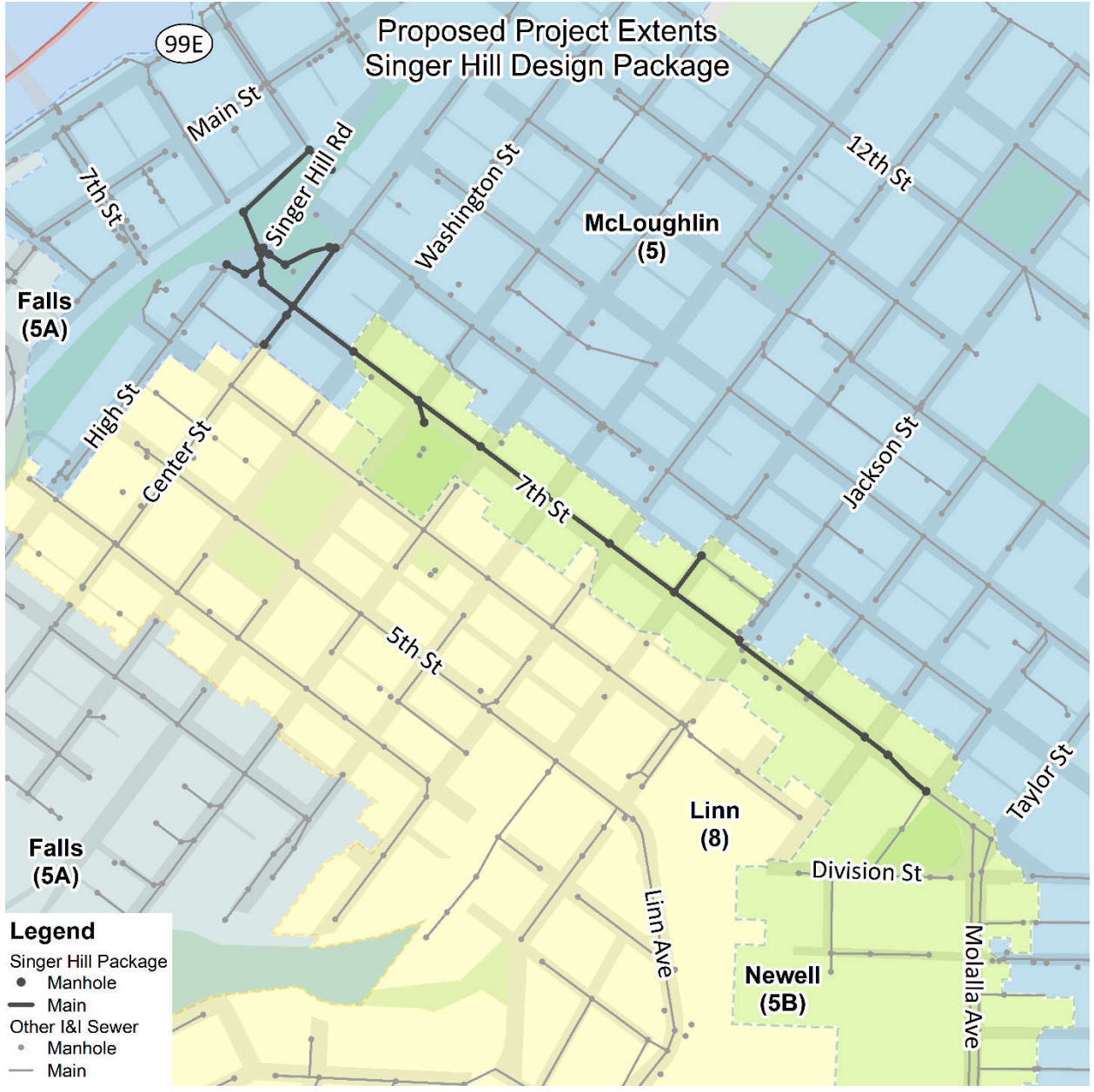
The Singer Hill Sanitary Sewer I&I Rehab Project is located within the McLoughlin and Newell Basins, both of which are located within the WES subbasin OC_M05. The identification of the pipes being rehabilitated and design of the project was performed as part of the I&I Program Management Contract, which was approved by the TAT in March 2022.

This project includes rehabilitating ~5,600 LF of sewer main via pipe bursting and repairing ~85 sewer laterals from the sewer main to within 5 feet of the building (both in the ROW and on private property). The project is currently scoped and scheduled to begin design this winter, and will follow this approximate schedule:

- Final Plans: Early Summer 2024
- Bidding & Award: Mid to Late Summer 2024
- Construction: Fall 2024

The engineer’s construction estimate for this project is \$3.5 million, which excludes any design or inspection services (these are provided as part of the I&I Program Management Contract).

Proposed Project Extents Singer Hill Design Package



- Legend**
- Singer Hill Package
 - Manhole
 - Main
 - Other I&I Sewer
 - Manhole
 - Main