

Plate 1
Interactive CIP and Development

Selma-Kingsburg-Fowler CSD
Wastewater Collection System
2016 Master Plan Update

Symbology

- █ Proposed Lift Station
- █ WWTW/Wastewater Treatment Plant
- █ Existing Lift Station
- Modeled Gravity Main
- - - Modeled Force Main
- Parallel District Gravity Main
- Replace Existing Gravity Main
- Proposed Gravity Main

Planned Development Type

- Agricultural
- Commercial/Industrial
- Medical
- Park/Open Space
- Residential

Planned Development Year

- 2015
- 2020
- 2025
- 2035
- 2016 Master Plan Study Area
- City SOIs
- City Limits

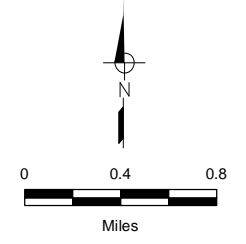
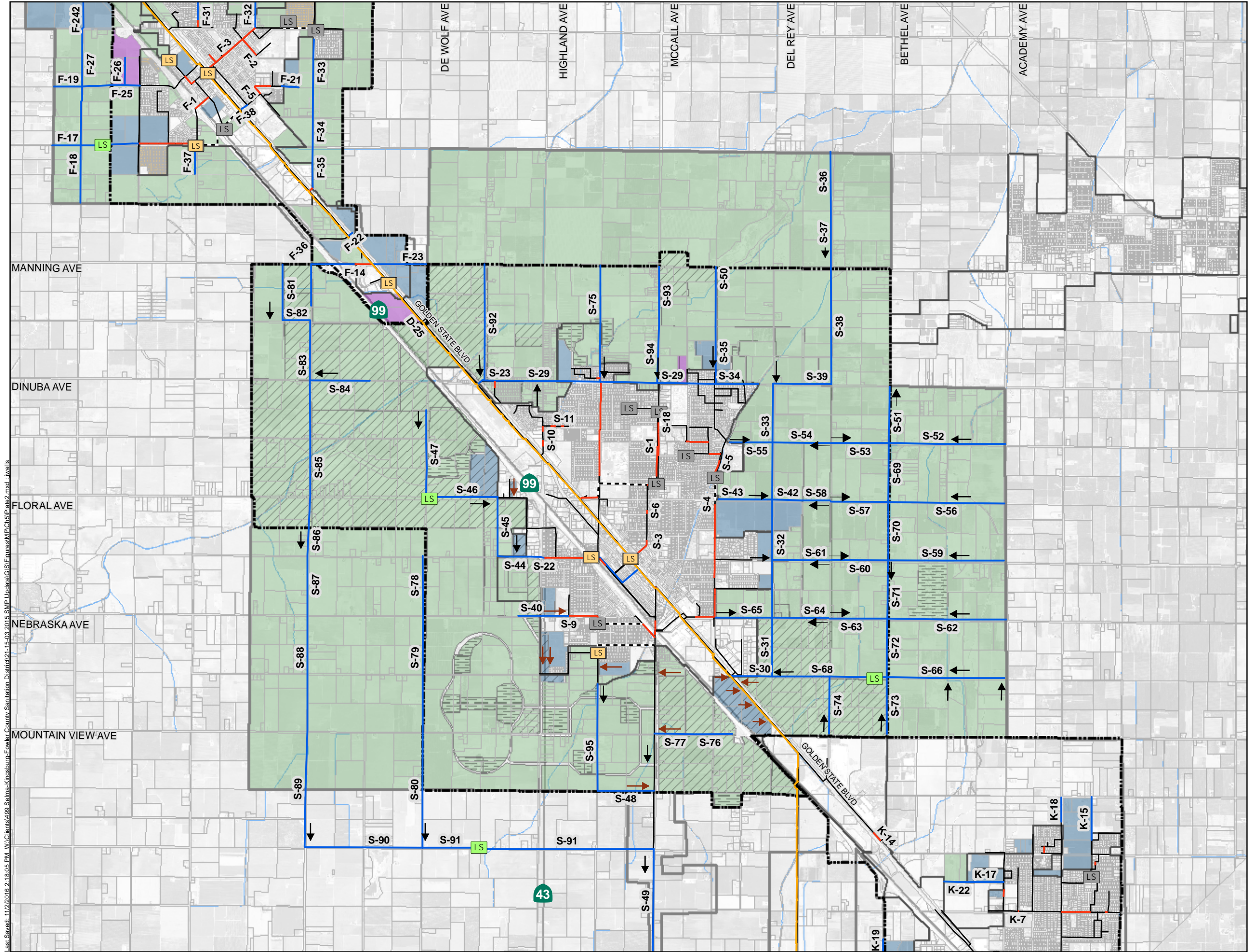
Notes:

1. Brown allocation arrows show the existing gravity mains with flow due to the future development.
2. Black arrows show flow direction for the future gravity mains.
3. Labels indicate the name of the CIP project. Project details may be found in the detailed CIP tables, which are available by clicking on project label.
4. Project name starting with D indicates the District's collection system.
5. Click on City name for detailed map.

Sources:

1. The sources of the data for this figure may be found in Chapter 4, Chapter 5, and Chapter 7 of the 2016 Master Plan Update.





- Symbology**
- Wastewater Treatment Plant
 - Existing Lift Station
 - Proposed Lift Station
 - Existing Lift Station - Insufficient Capacity
 - Proposed Gravity Main
 - Parallel District Gravity Main
 - Replace Existing Gravity Main
 - Existing Force Main
 - Existing Gravity Main
 - 2016 Master Plan Study Area
 - City SOIs
 - City Limits
- Planned Development Type**
- Commercial/Industrial
 - Park/Open Space/Public Facility
 - Residential
- Planned Development Year**
- 2015
 - 2020
 - 2025
 - 2035

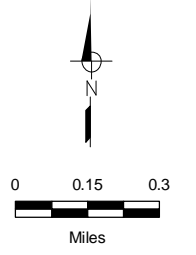
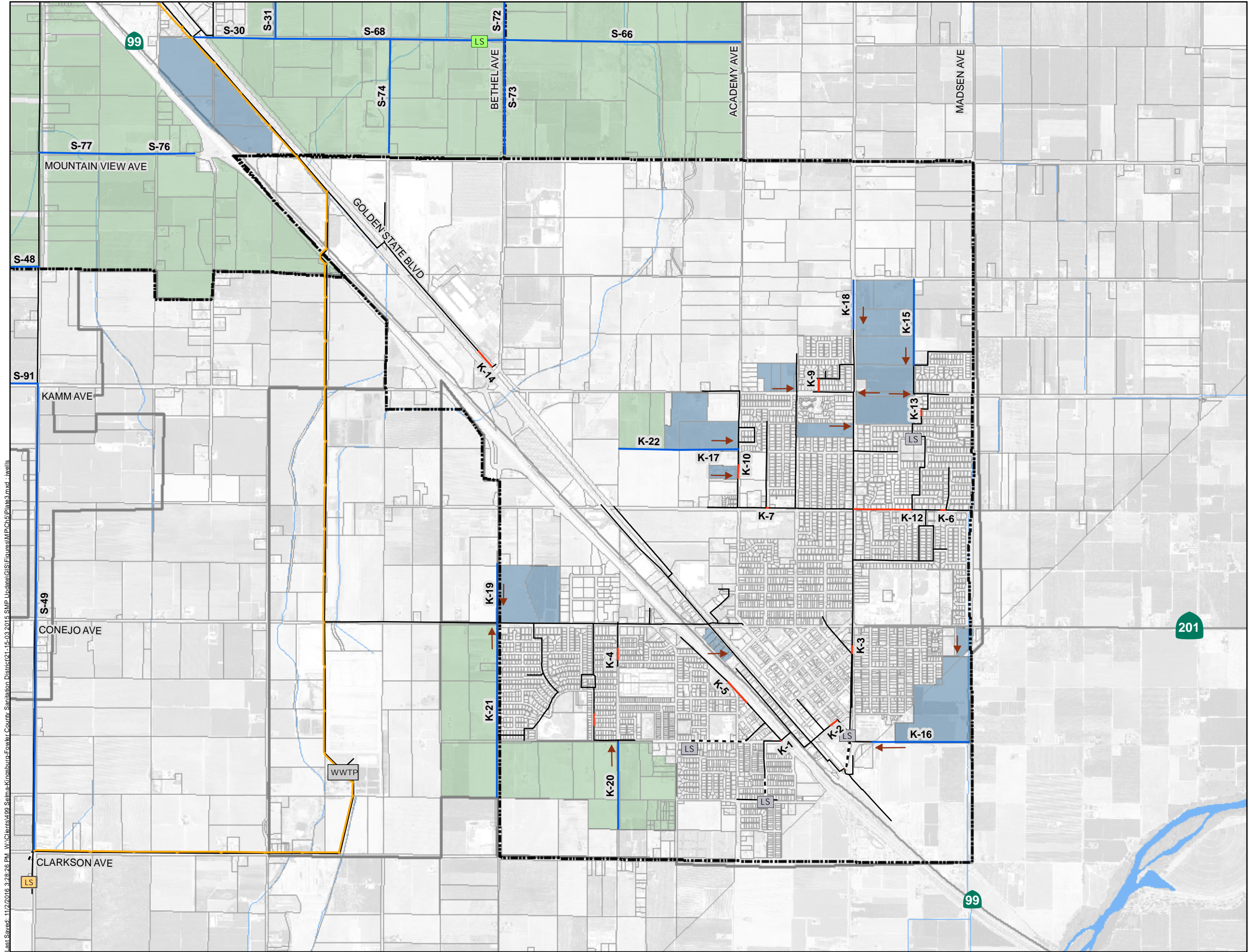
- Note:**
1. Brown allocation arrows show the existing gravity mains loaded due to the future development.
 2. Black arrows show loading direction for the future gravity mains.
 3. Click on project numbers for details.



Plate 2
Development Timeline
CIP Projects
City of Selma

Selma-Kingsburg-Fowler CSD
 Wastewater Collection System
 2016 Master Plan Update

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Symbology

- WWTP Wastewater Treatment Plant
- LS Existing Lift Station
- LS Proposed Lift Station
- LS Existing Lift Station - Insufficient Capacity
- Proposed Gravity Main
- Parallel District Gravity Main
- Replace Existing Gravity Main
- Existing Force Main
- Existing Gravity Main
- City SOIs
- 2016 Master Plan Study Area
- Planned Development Type**
- Industrial
- Residential
- Planned Development Year**
- 2015
- 2020
- 2025
- 2035

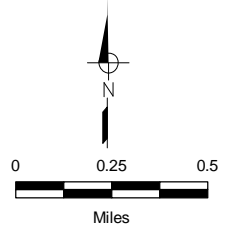
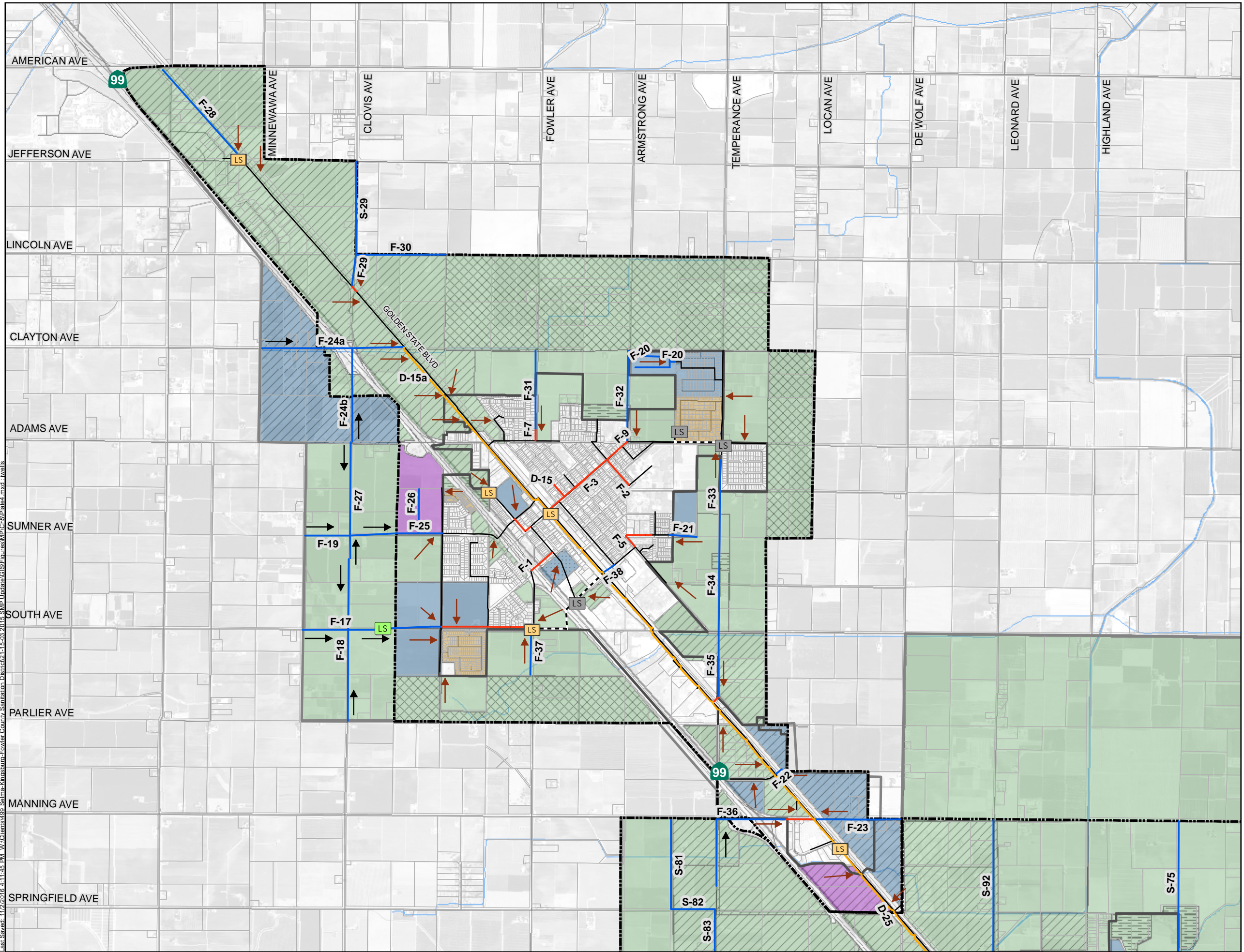
Note:
 1. Allocation arrows show the existing gravity mains loaded due to the future land development.
 2. Click on project numbers for details.



Plate 3
Development Timeline
CIP Projects
City of Kingsburg

Selma-Kingsburg-Fowler CSD
 Wastewater Collection System
 2016 Master Plan Update

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- Symbology**
- WWTP Wastewater Treatment Plant
 - LS Existing Lift Station
 - LS Proposed Lift Station
 - LS Existing Lift Station - Insufficient Capacity
 - - - Existing Force Main
 - Proposed Gravity Main
 - Parallel District Gravity Main
 - Replace Existing Gravity Mian
 - Existing Gravity Main
 - City SOIs
 - 2016 Master Plan Study Area
 - City Limits
- Planned Development Type**
- Agricultural
 - Commercial/Industrial
 - Medical
 - Park/Open Space
 - Residential
- Planned Development Year**
- 2015
 - 2020
 - 2025
 - 2035

- Note:**
1. Brown allocation arrows show the existing gravity mains loaded due to the future development.
 2. Black arrows show loading direction for the future gravity mains.
 3. Click on project numbers for details.



**Plate 4
Development Timeline
CIP Projects
City of Fowler**

Selma-Kingsburg-Fowler CSD
Wastewater Collection System
2016 Master Plan Update

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Table C-1. Capital Improvement Program Projects in Selma

Project Name	Project Type	Location	Description	Fiscal Year	Recommended Action	Estimated Construction Cost, 2016 Dollars	Estimated Capital Cost, 2016 Dollars
S-1	Replacement	McCall Avenue between Maple Street and North of Barbara Street	<ul style="list-style-type: none"> •Upsize 750 LF sewer to 10-inch diameter PVC •Upsize 643 LF sewer to 12-inch diameter PVC •Replace 422 LF sewer with 12-inch diameter PVC to remedy flat slope 	2015	Pipe Bursting	\$154,320	\$260,800
S-2	Replacement	Huntsman Avenue between Olive Street and Mulberry Street	<ul style="list-style-type: none"> •Upsize 1,043 LF sewer to 10-inch diameter PVC 	2015	Pipe Bursting	\$101,280	\$171,160
S-3	Replacement	North Street between Arrants Street and West Front Street	<ul style="list-style-type: none"> •Upsize 1,227 LF sewer to 15-inch diameter PVC 	2015	Standard Open Cut	\$208,600	\$352,530
S-4	Replacement	Dockery Avenue between Gaither Street and Mill Street Dockery Avenue between Peach Street and Nebraska Avenue	<ul style="list-style-type: none"> •Upsize 3,817 LF sewer to 15-inch diameter PVC •Upsize 1,291 LF sewer to 18-inch diameter PVC 	2015	Standard Open Cut	\$1,207,400	\$2,040,500
S-5	Replacement	Orange Avenue between Lewis Street and Aspen Street	<ul style="list-style-type: none"> •Replace 811 LF sewer to 12-inch diameter PVC to remedy negative slope 	2015	Inspection	\$1,620	\$2,740
S-6	Replacement	Lee Street between Chestnut Street and Gaither Street	<ul style="list-style-type: none"> •Replace 165 LF sewer to 12-inch diameter PVC to remedy negative slope 	2015	Inspection	\$330	\$560
S-7	Replacement	Young Street between Rose Avenue and Sherman Street	<ul style="list-style-type: none"> • Replace 298 LF sewer to 12-inch diameter PVC to remedy negative slope 	2015	Inspection	\$600	\$1,010

Table C-1. Capital Improvement Program Projects in Selma

Project Name	Project Type	Location	Description	Fiscal Year	Recommended Action	Estimated Construction Cost, 2016 Dollars	Estimated Capital Cost, 2016 Dollars
S-8	Replacement	Highway CA-99 South between McCall Avenue and Knowles Street	•Upsize 848 LF sewer to 18-inch diameter PVC	2015	Standard Open Cut	\$228,960	\$386,940
S-9	Replacement	Nebraska Avenue from Mitchell Avenue to intersection of South Thompson Avenue and Knowles Street	•Upsize 1,638 LF sewer to 12-inch diameter PVC	2015	Standard Open Cut	\$294,840	\$498,280
S-10	Replacement	Highland Avenue between Nelson Blvd and Golden State Blvd	•Replace 545 LF sewer to 12-inch diameter PVC to remedy flat slope	2015	Inspection	\$1,090	\$1,840
S-11	Replacement	Nelson Blvd	•Replace of 406 LF sewer to 10-inch diameter PVC to remedy flat and negative slope	2015	Inspection	\$810	\$1,370
S-12	Replacement	Sarah Street between Kelly Circle and South Thompson Avenue	•Upsize 171 LF sewer to 12-inch diameter PVC	2015	Standard Open Cut	\$30,780	\$52,020
S-13	Replacement	South Thompson Avenue between Dinuba Avenue and Oak Street	• Upsize 4,253 LF sewer to 18-inch diameter PVC	2015	Standard Open Cut	\$1,148,310	\$1,940,640
S-14	Replacement	Floral Avenue between South Thompson Avenue and West Front Street	•Upsize 836 LF sewer to 18-inch diameter PVC	2015	Standard Open Cut	\$225,720	\$381,470
S-15	Replacement	Barbara Street between Olive Street and Orange Avenue	•Upsize 548 LF sewer to 12-inch diameter PVC	2015	Standard Open Cut	\$98,640	\$166,700
S-16	Replacement	South Leonard Avenue between East Dinuba Avenue and East Ostler Street	•Replace 330 LF sewer to 12-inch diameter PVC due to negative slope	2015	Inspection	\$660	\$1,120

Table C-1. Capital Improvement Program Projects in Selma

Project Name	Project Type	Location	Description	Fiscal Year	Recommended Action	Estimated Construction Cost, 2016 Dollars	Estimated Capital Cost, 2016 Dollars
S-17	Replacement	Nebraska Avenue between Dockery Avenue and West of Olive Street	•Upsize 891 LF sewer to 18-inch diameter PVC	2015	Standard Open Cut	\$240,570	\$406,560
S-18	Replacement	McCall Avenue between Barbara Street and Hillcrest Street	•Upsize 1,517 LF sewer to 12-inch diameter PVC	2015	Standard Open Cut	\$273,060	\$461,470
S-19	Replacement	McCall Avenue between Nebraska Avenue and Park Street	•Upsize 530 LF sewer to 12-inch diameter PVC	2015	Standard Open Cut	\$95,400	\$161,230
S-20	Replacement	McCall Avenue between East Front Street and Whitson Street	•Upsize 530 LF sewer to 12-inch diameter PVC	2015	Standard Open Cut	\$95,400	\$161,230
S-21	Replacement	McCall Avenue in South of Park Street	•Replace 184 LF sewer to 24-inch diameter PVC due to flat slope	2015	Inspection	\$370	\$630
S-22	Replacement	Rose Avenue between Shaft Street and Rose Avenue Lift Station	•Upsize 2,159 LF sewer to 18-inch diameter PVC	2020	Standard Open Cut	\$582,930	\$985,150
S-23	Parallel Construction	East Dinuba Avenue between Golden State Blvd and South Fancher Street	•Construct 2,140 LF of 27-inch diameter PVC parallel to existing 12-inch	2020	Standard Open Cut	\$866,700	\$1,464,720
D-24	Parallel Construction	East Clarkson Avenue between South McCall Avenue and Waste Water Treatment Plant	•Construct 9,212 LF sewer of 48-inch diameter PVC parallel to existing 21-inch	2035	Standard Open Cut	\$6,632,640	\$11,209,160
D-25	Parallel Construction	Golden State Blvd between South De Wolf Avenue and Floral Avenue	•Construct 10,800 LF sewer of 21-inch diameter PVC parallel to existing 30-inch	2035	Standard Open Cut	\$3,402,000	\$5,749,380

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Project Name	Project Type	Location	Description	Fiscal Year	Recommended Action	Estimated Construction Cost, 2016 Dollars	Estimated Capital Cost, 2016 Dollars
D-26	Parallel Construction	Golden State Blvd between Park Street and Floral Avenue	• Construct 7,297 LF sewer to 24-inch diameter PVC parallel to existing 33-inch, 36-inch, 39-inch and 42-inch	2035	Standard Open Cut	\$2,626,920	\$4,439,490
D-27	Parallel Construction	Golden State Blvd between Park Street and South Amber Avenue	• Construct 8,000 LF sewer of 30-inch diameter PVC parallel to existing 42-inch	2035	Standard Open Cut	\$3,600,000	\$6,084,000
D-28	Parallel Construction	South Amber Avenue between South Golden State Avenue and Waste Water Treatment Plant	• Construct 13,413 LF sewer of 30-inch diameter PVC parallel to existing 42-inch	2035	Standard Open Cut	\$6,035,850	\$10,200,590
S-29	New Construction	East Dinuba Avenue between East Dockery Avenue and South Fancher Street	• Construct 8,735 LF sewer of 27-inch diameter PVC	2020	Standard Open Cut	\$3,537,680	\$5,978,680
S-30	New Construction	East Saginaw Avenue extending East from Golden Gate State Blvd	• Construct 1,885 LF sewer of 48-inch diameter PVC	2020	Standard Open Cut	\$1,357,200	\$2,293,670
S-31	New Construction	South Del Rey Avenue between East Nebraska Avenue and East Saginaw Avenue	• Construct 2,677 LF sewer of 33-inch diameter PVC	2020	Standard Open Cut	\$1,325,120	\$2,239,450
S-32	New Construction	South Del Rey Avenue between East Floral Avenue and East Nebraska Avenue	• Construct 5,352 LF sewer of 30-inch diameter PVC	2020	Standard Open Cut	\$2,408,400	\$4,070,200

Table C-1. Capital Improvement Program Projects in Selma

Project Name	Project Type	Location	Description	Fiscal Year	Recommended Action	Estimated Construction Cost, 2016 Dollars	Estimated Capital Cost, 2016 Dollars
S-33	New Construction	South Del Rey Avenue between East Dinuba Avenue and East Floral Avenue	<ul style="list-style-type: none"> Construct 5,266 LF sewer of 27-inch diameter PVC 	2020	Standard Open Cut	\$2,132,730	\$3,604,310
S-34	New Construction	East Dinuba Avenue between Ditch Road and East Dockery Avenue	<ul style="list-style-type: none"> Construct 1,934 LF sewer of 12-inch diameter PVC 	2020	Standard Open Cut	\$348,120	\$588,320
S-35	New Construction	North of Dockery Avenue	<ul style="list-style-type: none"> Construct 2,586 LF sewer of 18-inch diameter PVC 	2020	Standard Open Cut	\$698,220	\$1,179,990
S-36	New Construction	South Indianola Avenue between East South Avenue and East Parlier Avenue	<ul style="list-style-type: none"> Construct 2,682 LF sewer of 18-inch diameter PVC 	2020	Standard Open Cut	\$724,140	\$1,223,800
S-37	New Construction	South Indianola Avenue between East Parlier Avenue and East Manning Avenue	<ul style="list-style-type: none"> Construct 2,616 LF sewer of 21-inch diameter PVC 	2020	Standard Open Cut	\$824,040	\$1,392,630
S-38	New Construction	South Indianola Avenue between East Manning Avenue and East Dinuba Avenue	<ul style="list-style-type: none"> Construct 2,627 LF sewer of 24-inch diameter PVC Construct 2,603 LF sewer of 27-inch diameter PVC 	2020	Standard Open Cut	\$1,781,240	\$3,010,300
S-39	New Construction	East Dinuba Avenue between South Indianola Avenue and South Del Rey Avenue	<ul style="list-style-type: none"> Construct 2,655 LF sewer of 27-inch diameter PVC 	2020	Standard Open Cut	\$1,075,280	\$1,817,220

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S-40	New Construction	East Nebraska Avenue between Mitchel Avenue and South Highland Avenue	<ul style="list-style-type: none"> Construct 2,245 LF sewer of 10-inch diameter PVC 	2020	Standard Open Cut	\$336,750	\$569,110
S-41	New Construction	From Rose Avenue to Young Street and 1 st Street	<ul style="list-style-type: none"> Construct 2,858 LF sewer of 21-inch diameter PVC 	2020	Standard Open Cut	\$900,270	\$1,521,460
S-42	New Construction	East Floral Avenue between South Del Ray Avenue and South Amber Avenue	<ul style="list-style-type: none"> Construct 1,355 LF sewer of 12-inch diameter PVC 	2020	Standard Open Cut	\$243,900	\$412,190
S-43	New Construction	East Floral Avenue between Dockery Avenue and South Del Ray Avenue	<ul style="list-style-type: none"> Construct 2,455 LF sewer of 15-inch diameter PVC 	2020	Standard Open Cut	\$552,380	\$933,520
S-44	New Construction	East Rose Avenue between South Highland Avenue and East of South Leonard Avenue	<ul style="list-style-type: none"> Construct 2,131 LF sewer of 18-inch diameter PVC 	2020	Standard Open Cut	\$575,370	\$972,380
S-45	New Construction	East of South Leonard Avenue between East Rose Avenue and East Floral Avenue	<ul style="list-style-type: none"> Construct 2,701 LF sewer of 18-inch diameter PVC 	2020	Standard Open Cut	\$729,270	\$1,232,470
S-46	New Construction	East Floral Avenue between East of South Leonard Avenue and South De Wolf Street	<ul style="list-style-type: none"> Construct 2,765 LF sewer of 18-inch diameter PVC 	2020	Standard Open Cut	\$746,550	\$1,261,670

Table C-1. Capital Improvement Program Projects in Selma

Project Name	Project Type	Location	Description	Fiscal Year	Recommended Action	Estimated Construction Cost, 2016 Dollars	Estimated Capital Cost, 2016 Dollars
S-47	New Construction	South De Wolf Street extending North from East Floral Avenue	<ul style="list-style-type: none"> • Construct 2,626 LF sewer of 12-inch diameter PVC • Construct 1,384 LF sewer of 15-inch diameter PVC 	2020	Standard Open Cut	\$784,080	\$1,325,100
S-48	New Construction	East Caruthers Avenue between South McCall Avenue and Thompson Avenue	<ul style="list-style-type: none"> • Construct 2,572 LF sewer of 21-inch diameter PVC 	2035	Standard Open Cut	\$810,180	\$1,369,200
S-49	New Construction	South McCall Avenue between East Kamm Avenue and East Clarkson Avenue	<ul style="list-style-type: none"> • Construct 10,612 LF sewer of 48-inch diameter PVC 	2035	Standard Open Cut	\$7,640,640	\$12,912,680
S-50	New Construction	Dockery Avenue extending north from Dinuba Avenue to East Manning Avenue	<ul style="list-style-type: none"> • Construct 2,696 LF sewer of 18-inch diameter PVC 	2035	Standard Open Cut	\$727,920	\$1,230,180
S-51	New Construction	South Bethel Avenue between East Dinuba Avenue and East Huntsman Avenue	<ul style="list-style-type: none"> • Construct 2,561 LF sewer of 12-inch diameter PVC 	2035	Standard Open Cut	\$460,980	\$779,060

Table C-1. Capital Improvement Program Projects in Selma

Project Name	Project Type	Location	Description	Fiscal Year	Recommended Action	Estimated Construction Cost, 2016 Dollars	Estimated Capital Cost, 2016 Dollars
S-52	New Construction	East Huntsman Avenue between South Academy Avenue and South Bethel Avenue	<ul style="list-style-type: none"> • Construct 2,603 LF sewer of 15-inch diameter PVC • Construct 2,676 LF sewer of 18-inch diameter PVC 	2035	Standard Open Cut	\$1,308,200	\$2,210,860
S-53	New Construction	East Huntsman Avenue extending West from South Bethel Avenue	<ul style="list-style-type: none"> • Construct 2,614 LF sewer of 15-inch diameter PVC 	2035	Standard Open Cut	\$588,150	\$993,970
S-54	New Construction	East Huntsman Avenue extending East from South Del Rey Avenue	<ul style="list-style-type: none"> • Construct 2,617 LF sewer of 12-inch diameter PVC 	2035	Standard Open Cut	\$471,060	\$796,090
S-55	New Construction	East Huntsman Avenue extending West from South Del Rey Avenue	<ul style="list-style-type: none"> • Construct 1,953 LF sewer of 12-inch diameter PVC 	2035	Standard Open Cut	\$351,540	\$594,100
S-56	New Construction	East Floral Avenue between South Academy Avenue and South Bethel Avenue	<ul style="list-style-type: none"> • Construct 5,289 LF sewer of 18-inch diameter PVC 	2035	Standard Open Cut	\$1,428,030	\$2,413,370
S-57	New Construction	East Floral Avenue extending West from South Bethel Avenue	<ul style="list-style-type: none"> • Construct 2,600 LF sewer of 15-inch diameter PVC 	2035	Standard Open Cut	\$585,000	\$988,650

Table C-1. Capital Improvement Program Projects in Selma

Project Name	Project Type	Location	Description	Fiscal Year	Recommended Action	Estimated Construction Cost, 2016 Dollars	Estimated Capital Cost, 2016 Dollars
S-58	New Construction	East Floral Avenue extending East from South Amber Avenue	<ul style="list-style-type: none"> Construct 1,263 LF sewer of 12-inch diameter PVC 	2035	Standard Open Cut	\$227,340	\$384,200
S-59	New Construction	East Rose Avenue between South Academy Avenue and South Bethel Avenue	<ul style="list-style-type: none"> Construct 5,250 LF sewer of 27-inch diameter PVC 	2035	Standard Open Cut	\$2,126,250	\$3,593,360
S-60	New Construction	East Rose Avenue extending West from South Bethel Avenue	<ul style="list-style-type: none"> Construct 2,600 LF sewer of 15-inch diameter PVC 	2035	Standard Open Cut	\$585,000	\$988,650
S-61	New Construction	East Rose Avenue extending East from South Del Rey Avenue	<ul style="list-style-type: none"> Construct 2,615 LF sewer of 15-inch diameter PVC 	2035	Standard Open Cut	\$588,380	\$994,360
S-62	New Construction	East Nebraska Avenue between South Academy Avenue and South Bethel Avenue	<ul style="list-style-type: none"> Construct 5,414 LF sewer of 24-inch diameter PVC 	2035	Standard Open Cut	\$1,949,040	\$3,293,880
S-63	New Construction	East Nebraska Avenue extending West from South Bethel Avenue	<ul style="list-style-type: none"> Construct 2,616 LF sewer of 15-inch diameter PVC 	2035	Standard Open Cut	\$588,600	\$994,730
S-64	New Construction	East Nebraska Avenue extending East from South Del Rey Avenue	<ul style="list-style-type: none"> Construct 2,539 LF sewer of 12-inch diameter PVC 	2035	Standard Open Cut	\$457,020	\$772,360
S-65	New Construction	East Nebraska Avenue extending West from South Del Rey Avenue	<ul style="list-style-type: none"> Construct 2,578 LF sewer of 12-inch diameter PVC 	2035	Standard Open Cut	\$464,040	\$784,230

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Project Name	Project Type	Location	Description	Fiscal Year	Recommended Action	Estimated Construction Cost, 2016 Dollars	Estimated Capital Cost, 2016 Dollars
S-66	New Construction	East Saginaw Avenue between South Academy Avenue and South Bethel Avenue	<ul style="list-style-type: none"> Construct 5,360 LF sewer of 24-inch diameter PVC 	2035	Standard Open Cut	\$1,929,600	\$3,261,020
S-67	New Construction	East Saginaw Avenue extending West from South Bethel Avenue	<ul style="list-style-type: none"> Construct 525 LF sewer of 33-inch diameter PVC 	2035	Standard Open Cut	\$259,880	\$439,200
S-68	New Construction	East Saginaw Avenue between Lift Station and South Del Rey Avenue	<ul style="list-style-type: none"> Construct 4,500 LF sewer of 36-inch diameter PVC 	2035	Standard Open Cut	\$2,430,000	\$4,106,700
S-69	New Construction	South Bethel Avenue between East Floral Avenue and East Huntsman Avenue	<ul style="list-style-type: none"> Construct 2,681 LF sewer of 21-inch diameter PVC 	2035	Standard Open Cut	\$844,520	\$1,427,240
S-70	New Construction	South Bethel Avenue between East Nebraska Avenue and East Rose Avenue	<ul style="list-style-type: none"> Construct 2,639 LF sewer of 24-inch diameter PVC 	2035	Standard Open Cut	\$950,040	\$1,605,570
S-71	New Construction	South Bethel Avenue between East Floral Avenue and East Rose Avenue	<ul style="list-style-type: none"> Construct 2,640 LF sewer of 27-inch diameter PVC 	2035	Standard Open Cut	\$1,069,200	\$1,806,950
S-72	New Construction	South Bethel Avenue between East Floral Avenue and East Saginaw Avenue	<ul style="list-style-type: none"> Construct 2,660 LF sewer of 30-inch diameter PVC 	2035	Standard Open Cut	\$1,197,000	\$2,022,930

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Project Name	Project Type	Location	Description	Fiscal Year	Recommended Action	Estimated Construction Cost, 2016 Dollars	Estimated Capital Cost, 2016 Dollars
S-73	New Construction	South Bethel Avenue between East Mountain View Avenue and East Saginaw Avenue	<ul style="list-style-type: none"> Construct 2,609 LF sewer of 12-inch diameter PVC 	2035	Standard Open Cut	\$469,620	\$793,660
S-74	New Construction	South of East Saginaw Avenue	<ul style="list-style-type: none"> Construct 2,679 LF sewer of 12inch diameter PVC 	2035	Standard Open Cut	\$482,220	\$814,950
S-75	New Construction	South Thompson Avenue between Dinuba Avenue and East Manning Avenue	<ul style="list-style-type: none"> Construct 5,260 LF sewer of 18-inch diameter PVC 	2035	Standard Open Cut	\$1,420,200	\$2,400,140
S-76	New Construction	East Mountain View Avenue between McCall Avenue and South Dockery Avenue	<ul style="list-style-type: none"> Construct 1,607 LF sewer of 12inch diameter PVC 	2035	Standard Open Cut	\$289,260	\$488,850
S-77	New Construction	East Mountain View Avenue between South Dockery Avenue and South Van Horn Avenue	<ul style="list-style-type: none"> Construct 1,902 LF sewer of 15inch diameter PVC 	2035	Standard Open Cut	\$427,950	\$723,240
S-78	New Construction	South De Wolf Avenue between East Rose Avenue and East Nebraska Avenue	<ul style="list-style-type: none"> Construct 2,640 LF sewer of 21inch diameter PVC 	2035	Standard Open Cut	\$831,600	\$1,405,400
S-79	New Construction	South De Wolf Avenue between East Mountain View Avenue and East Nebraska Avenue	<ul style="list-style-type: none"> Construct 5,313 LF sewer of 27inch diameter PVC 	2035	Standard Open Cut	\$2,151,770	\$3,636,490

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S-80	New Construction	South De Wolf Avenue between East Mountain View Avenue and East Kamm Avenue	<ul style="list-style-type: none"> Construct 5,260 LF sewer of 33inch diameter PVC 	2035	Standard Open Cut	\$2,603,700	\$4,400,250
S-81	New Construction	North of East Springfield Avenue	<ul style="list-style-type: none"> Construct 2,538 LF sewer of 12inch diameter PVC 	2035	Standard Open Cut	\$456,840	\$772,060
S-82	New Construction	East Springfield Avenue extending West from South Temperance Avenue	<ul style="list-style-type: none"> Construct 1,249 LF sewer of 12inch diameter PVC 	2035	Standard Open Cut	\$224,820	\$379,950
S-83	New Construction	South Temperance Avenue between East Springfield and East Huntsman Avenue	<ul style="list-style-type: none"> Construct 5,328 LF sewer of 18inch diameter PVC 	2035	Standard Open Cut	\$1,453,140	\$2,455,810
S-84	New Construction	East Dinuba Avenue extending East from South Temperance Avenue	<ul style="list-style-type: none"> Construct 2,707 LF sewer of 12inch diameter PVC 	2035	Standard Open Cut	\$487,260	\$823,470
S-85	New Construction	South Temperance Avenue between East Floral and East Huntsman Avenue	<ul style="list-style-type: none"> Construct 2,644 LF sewer of 21inch diameter PVC 	2035	Standard Open Cut	\$832,860	\$1,407,530
S-86	New Construction	South Temperance Avenue between East Floral and East Rose Avenue	<ul style="list-style-type: none"> Construct 2,655 LF sewer of 24inch diameter PVC 	2035	Standard Open Cut	\$955,800	\$1,615,300

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Project Name	Project Type	Location	Description	Fiscal Year	Recommended Action	Estimated Construction Cost, 2016 Dollars	Estimated Capital Cost, 2016 Dollars
S-87	New Construction	South Temperance Avenue between East Rose and East Nebraska Avenue	<ul style="list-style-type: none"> Construct 2,720 LF sewer of 27inch diameter PVC 	2035	Standard Open Cut	\$1,101,600	\$1,861,700
S-88	New Construction	South Temperance Avenue between East Mountain View Avenue and East Nebraska Avenue	<ul style="list-style-type: none"> Construct 5,237 LF sewer of 30inch diameter PVC 	2035	Standard Open Cut	\$2,356,650	\$ 3,982,740
S-89	New Construction	South Temperance Avenue between East Mountain View Avenue and East Kamm Avenue	<ul style="list-style-type: none"> Construct 5,302 LF sewer of 33inch diameter PVC 	2035	Standard Open Cut	\$405,600	\$685,460
S-90	New Construction	East Kamm Avenue between South Temperance Avenue and South De Wolf Avenue	<ul style="list-style-type: none"> Construct 5,302 LF sewer of 33inch diameter PVC 	2035	Standard Open Cut	\$2,624,490	\$4,435,390
S-91	New Construction	East Kamm Avenue between South De Wolf Avenue and South McCall Avenue	<ul style="list-style-type: none"> Construct 5,302 LF sewer of 48inch diameter PVC 	2035	Standard Open Cut	\$3,817,440	\$6,451,470
S-92	New Construction	South Leonard Avenue between East South Dinuba Avenue and East Manning Avenue	<ul style="list-style-type: none"> Construct 5,344 LF sewer of 18-inch diameter PVC 	2035	Standard Open Cut	\$1,442,880	\$2,438,470
S-93	New Construction	South McCall Avenue between East Springfield Avenue and East Manning Avenue	<ul style="list-style-type: none"> Construct 2,626LF sewer of 12-inch diameter PVC 	2035	Standard Open Cut	\$472,680	\$798,830

Table C-1. Capital Improvement Program Projects in Selma

Project Name	Project Type	Location	Description	Fiscal Year	Recommended Action	Estimated Construction Cost, 2016 Dollars	Estimated Capital Cost, 2016 Dollars
S-94	New Construction	South McCall Avenue between East Dinuba Avenue and East Springfield Avenue	<ul style="list-style-type: none"> • Construct 2,640 LF sewer of 15-inch diameter PVC 	2035	Standard Open Cut	\$594,000	\$1,003,860
S-95	New Construction	Thompson Avenue in north of East Caruthers Avenue	<ul style="list-style-type: none"> • Construct 1,656 LF sewer of 18inch diameter PVC • Construct 1,876 LF sewer of 15inch diameter PVC 	2035	Standard Open Cut	\$869,220	\$1,468,980

Table C-2. Capital Improvement Program Projects in Kingsburg

Project Name	Project Type	Location	Description	Fiscal Year	Recommended Action	Estimated Construction Cost, 2016 Dollars	Estimated Capital Cost, 2016 Dollars
K-1	Replacement	Intersection of Highway CA-99 and West Kern Street	<ul style="list-style-type: none"> Replace 28 LF of gravity main with 12-inch diameter PVC to remedy flat slope 	2015	Inspection	\$60	\$100
K-2	Replacement	Gilroy Street	<ul style="list-style-type: none"> Replace 220 LF of gravity main with 14-inch diameter PVC to remedy flat slope 	2015	Inspection	\$440	\$740
K-3	Replacement	18 th Avenue extending South from Riverside Street	<ul style="list-style-type: none"> Replace 192 LF of gravity main with 21-inch diameter PVC to remedy flat slope 	2015	Inspection	\$380	\$640
K-4	Replacement	Rafer Johnson Drive between Sunset Street and Meadow Line	<ul style="list-style-type: none"> Replace 280 LF of gravity main of 15-inch diameter PVC to remedy flat slope 	2015	Inspection	\$560	\$950
K-5	Replacement	Highway 99 South	<ul style="list-style-type: none"> Replace 669 LF of gravity main with 18-inch diameter PVC to remedy flat slope 	2015	Inspection	\$1,340	\$2,260

Table C-2. Capital Improvement Program Projects in Kingsburg

Project Name	Project Type	Location	Description	Fiscal Year	Recommended Action	Estimated Construction Cost, 2016 Dollars	Estimated Capital Cost, 2016 Dollars
K-6	Replacement	Stroud Avenue extending West from 24 th Avenue	<ul style="list-style-type: none"> Replace 125 LF of gravity main with 10-inch diameter PVC to remedy flat slope 	2015	Inspection	\$250	\$420
K-7	Replacement	Stroud Avenue extending East from 12 th Avenue	<ul style="list-style-type: none"> Replace 60 LF of gravity main with 18-inch diameter PVC to remedy flat slope 	2015	Inspection	\$120	\$200
K-8	Replacement	Morgan Derive between Lake Street and Mariposa Street	<ul style="list-style-type: none"> Replace 288 LF of gravity main with 15-inch diameter PVC to remedy flat slope 	2015	Inspection	\$580	\$980
K-9	Replacement	15 th Avenue between Kamm Avenue and Hemma Street	<ul style="list-style-type: none"> Replace 300 LF of gravity main with 10-inch diameter PVC to remedy flat slope 	2015	Inspection	\$600	\$1,010
K-10	Replacement	South of Academy Avenue extending North from Harold Street	<ul style="list-style-type: none"> Replace 329 LF of gravity main with 12-inch diameter PVC to remedy flat slope 	2015	Inspection	\$660	\$1,120

Table C-2. Capital Improvement Program Projects in Kingsburg

Project Name	Project Type	Location	Description	Fiscal Year	Recommended Action	Estimated Construction Cost, 2016 Dollars	Estimated Capital Cost, 2016 Dollars
K-11	Replacement	Road 12	<ul style="list-style-type: none"> Replace 13 LF of gravity main with 24-inch diameter PVC to remedy flat slope 	2015	Inspection	\$30	\$50
K-12	Replacement	Stroud Avenue between 18 th Avenue and 22 th Avenue	<ul style="list-style-type: none"> Upsize 1,336 LF of gravity main with 12-inch diameter PVC 	2015	Standard Open Cut	\$240,480	\$406,410
K-13	Replacement	Easement at South of Silverbrooke Street	<ul style="list-style-type: none"> Replace 165 LF of gravity main with 12-inch diameter PVC to remedy flat slope 	2015	Standard Open Cut	\$29,700	\$50,190
K-14	Replacement	Golden State Blvd extending North from South Bethel Avenue	<ul style="list-style-type: none"> Replace 502 LF of gravity main with 12-inch diameter PVC to remedy flat slope 	2015	Standard Open Cut	\$90,360	\$152,710
K-15	New Construction	Between Solig Street and East Caruthers Avenue	<ul style="list-style-type: none"> Construct 1,956 LF of 12-inch diameter PVC 	2020	Standard Open Cut	\$352,080	\$595,020
K-16	New Construction	396 th Avenue between Road 16 and Kern Street	<ul style="list-style-type: none"> Construct 2,194 LF of 12-inch diameter PVC 	2020	Standard Open Cut	\$394,920	\$667,410
K-17	New Construction	Klepper Street between South Academy Avenue and 6 th Avenue	<ul style="list-style-type: none"> Construct 1,356 LF of 12-inch diameter PVC 	2020	Standard Open Cut	\$244,080	\$412,500

Table C-2. Capital Improvement Program Projects in Kingsburg

Project Name	Project Type	Location	Description	Fiscal Year	Recommended Action	Estimated Construction Cost, 2016 Dollars	Estimated Capital Cost, 2016 Dollars
K-18	New Construction	South Mendocino Avenue between 17 th Avenue and East Caruthers Avenue	•Construct 1,103 LF of 10-inch diameter PVC	2020	Standard Open Cut	\$165,450	\$279,610
K-19	New Construction	South Bethel Avenue extending North from East Conejo Avenue	•Construct 1,337 LF of 12-inch diameter PVC	2020	Standard Open Cut	\$240,660	\$406,720
K-20	New Construction	Rafer Johnson Derive Extending south from East Magnolia Avenue	•Construct 1,950 LF of 15-inch diameter PVC	2035	Standard Open Cut	\$438,750	\$741,490
K-21	New Construction	South Bethel Avenue Extending south from East Conejo Avenue	•Construct 3,950 LF of 18-inch diameter PVC	2035	Standard Open Cut	\$1,066,500	\$1,802,390
K-22	New Construction	Klepper Street between Rafer Johnson Derive and 6 th Avenue	•Construct 1,353 LF of 12-inch diameter PVC	2035	Standard Open Cut	\$243,540	\$411,580

Table C-3. Capital Improvement Program Projects in Fowler

Project Name	Project Type	Location	Description	Fiscal Year	Recommended Action	Estimated Construction Cost, 2016 Dollars	Estimated Capital Cost, 2016 Dollars
F-1	Replacement	West Fresno Street between South Fowler Avenue and South 10 th Avenue	<ul style="list-style-type: none"> •Upsize 295 LF sewer to 8-inch diameter PVC •Upsize 523 LF sewer to 10-inch diameter PVC 	2015	Pipe Bursting	\$151,800	\$256,540
F-2	Replacement	Easement	<ul style="list-style-type: none"> •Upsize 960 LF sewer to 10-inch diameter PVC 	2015	Pipe Bursting	\$104,600	\$176,770
F-3	Replacement	East Merced Street between 4 th Avenue and 5 th Avenue	<ul style="list-style-type: none"> •Upsize 400 LF sewer to 12-inch diameter PVC 	2015	Deep Open Cut	\$192,000	\$324,480
F-4	Replacement	North 10 th Street between Tuolumne Street and West Merced Street	<ul style="list-style-type: none"> •Upsize 675 LF sewer to 10-inch diameter PVC 	2015	Pipe Bursting	\$86,400	\$146,020
F-5	Replacement	South 5 th Street between East Sumner Avenue and South 7 th Street	<ul style="list-style-type: none"> •Upsize 423 LF sewer to 15-inch diameter PVC 	2020	Deep Open Cut	\$135,000	\$228,150
F-6	Replacement	East Sumner Street between Laker Lane and South 5 th Street	<ul style="list-style-type: none"> •Upsize 765 LF sewer to 15-inch diameter PVC 	2020	Deep Open Cut	\$114,210	\$193,010
F-7	Replacement	South Fowler Avenue between East La Crosse Avenue and East Adams Avenue	<ul style="list-style-type: none"> •Upsize 325 LF sewer to 12-inch diameter PVC 	2035	Deep Open Cut	\$206,550	\$349,070
F-8	Replacement	Easement	<ul style="list-style-type: none"> •Upsize 468 LF sewer to 10-inch diameter PVC 	2035	Deep Open Cut	\$70,200	\$118,640

Table C-3. Capital Improvement Program Projects in Fowler

Project Name	Project Type	Location	Description	Fiscal Year	Recommended Action	Estimated Construction Cost, 2016 Dollars	Estimated Capital Cost, 2016 Dollars
F-9	Replacement	East Merced Street between Adam Avenue and South 7 th Street	•Upsize 2,585 LF sewer to 18-inch diameter PVC	2035	Deep Open Cut	\$84,240	\$142,370
F-10	Replacement	East Merced Street between South 7 th Street and Golden State Blvd	•Upsize 328 LF sewer to 21-inch diameter PVC	2035	Deep Open Cut	\$123,980	\$209,530
F-11	Replacement	East South Avenue between South Fowler Avenue and South Sunnyside Avenue	•Upsize 2,503 LF sewer to 21-inch diameter PVC	2035	Deep Open Cut	\$946,130	\$1,598,960
F-12	Replacement	South Temperance Avenue and Golden State Blvd	•Upsize 214 LF sewer to 18-inch diameter PVC	2035	Deep Open Cut	\$69,340	\$117,180
F-13	Replacement	Golden State Blvd	•Upsize 222 LF sewer to 18-inch diameter PVC	2035	Deep Open Cut	\$71,930	\$121,560
F-14	Replacement	East Manning Avenue between Golden State Blvd and Vineyard Place	•Upsize 787 LF sewer to 12-inch diameter PVC •Upsize 48 LF sewer to 18-inch diameter PVC	2035	Deep Open Cut	\$241,920	\$408,840
D-15	Parallel Construction	Golden State Blvd between West Tuolumne Street and West Peach Street	•Construct 2,886 LF of 18-inch diameter PVC parallel to existing 24-inch	2035	Deep Open Cut	\$935,060	\$1,580,250

Table C-3. Capital Improvement Program Projects in Fowler

Project Name	Project Type	Location	Description	Fiscal Year	Recommended Action	Estimated Construction Cost, 2016 Dollars	Estimated Capital Cost, 2016 Dollars
D-15A	Parallel Construction	Golden State Blvd between West Tuolumne Street and East Clayton Avenue	<ul style="list-style-type: none"> • Construct 5,754 LF of 12-inch diameter PVC parallel to existed 18-inch 	2035	Deep Open Cut	\$1,242,860	\$2,100,430
D-16	Parallel Construction	Golden State Blvd between South De wolf Avenue and West Peach Street	<ul style="list-style-type: none"> • Construct 12,833 LF of 21-inch diameter PVC parallel to existing 24-inch 	2035	Deep Open Cut	\$4,850,870	\$8,197,970
F-17	New Construction	East South Avenue extending East from South Kenneth Avenue	<ul style="list-style-type: none"> • Construct 1,291 LF of 12-inch diameter PVC • Construct 864 LF of 15-inch diameter PVC 	2035	Deep Open Cut	\$278,860	\$471,270
F-18	New Construction	South Clovis Avenue extending North from East Parlier Avenue	<ul style="list-style-type: none"> • Construct 4,582 LF of 12-inch diameter PVC 	2035	Deep Open Cut	\$233,280	\$394,240
F-19	New Construction	East Sumner Avenue extending East from South Kenneth Avenue	<ul style="list-style-type: none"> • Construct 1,275 LF of 12-inch diameter PVC • Construct 1,310 LF of 15-inch diameter PVC 	2035	Deep Open Cut	\$629,100	\$1,063,180
F-20	New Construction	Between South Armstrong Avenue and South Temperance Avenue	<ul style="list-style-type: none"> • Construct 2,385 LF of 10-inch diameter PVC 	2020	Deep Open Cut	\$429,300	\$725,520

Table C-3. Capital Improvement Program Projects in Fowler

Project Name	Project Type	Location	Description	Fiscal Year	Recommended Action	Estimated Construction Cost, 2016 Dollars	Estimated Capital Cost, 2016 Dollars
F-21	New Construction	East Summer Avenue extending east from Christopher Court	•Construct 778 LF of 12-inch diameter PVC	2020	Deep Open Cut	\$168,050	\$284,000
F-22	New Construction	East Valley Drive extending east from Golden State Blvd	•Construct 226 LF of 12-inch diameter PVC	2020	Deep Open Cut	\$48,820	\$82,510
F-23	New Construction	East Manning Avenue between South De Wolf Avenue and South Golden State Blvd	•Construct 2,419 LF of 10-inch diameter PVC	2020	Deep Open Cut	\$435,420	\$735,860
F-24	New Construction	East South Avenue extending West from South Sunnyside Avenue and	•Construct 1,503 LF of 15-inch diameter PVC	2020	Deep Open Cut	\$405,810	\$685,820
F-24A	New Construction	East Clayton Avenue between Golden State Avenue and South Minnewawa Avenue	•Construct 4,032 LF of 12-inch diameter PVC	2020	Deep Open Cut	\$870,910	\$1,471,840
F-24B	New Construction	South Clovis Avenue between East Adams Avenue and East Clayton Avenue	•Construct 2,631 LF of 12-inch diameter PVC	2020	Deep Open Cut	\$568,300	\$960,430
F-25	New Construction	East Summer Avenue extending West from South Sunnyside Avenue	•Construct 1,321 LF of 15-inch diameter PVC	2025	Deep Open Cut	\$356,670	\$602,770
F-26	New Construction	North of East Summer Avenue	•Construct 1,263 LF of 12-inch diameter PVC	2025	Deep Open Cut	\$272,810	\$461,050

Table C-3. Capital Improvement Program Projects in Fowler

Project Name	Project Type	Location	Description	Fiscal Year	Recommended Action	Estimated Construction Cost, 2016 Dollars	Estimated Capital Cost, 2016 Dollars
F-27	New Construction	South Clovis Avenue between East Adams Avenue and South of East Sumner Avenue	<ul style="list-style-type: none"> • Construct 3,291 LF of 12-inch diameter PVC 	2035	Deep Open Cut	\$710,860	\$1,201,350
F-28	New Construction	Golden State Blvd between American Avenue and Jefferson Avenue	<ul style="list-style-type: none"> • Construct 3,174 LF of 12-inch diameter PVC 	2035	Deep Open Cut	\$685,580	\$1,158,630
F-29	New Construction	Clovis Avenue between East Jefferson Avenue and South Golden State Blvd	<ul style="list-style-type: none"> • Construct 2,645 LF of 12-inch diameter PVC • Construct 895 LF of 15-inch diameter PVC 	2035	Deep Open Cut	\$812,970	\$1,373,920
F-30	New Construction	Lincoln Avenue between Clovis Avenue and South Sunnyside Avenue	<ul style="list-style-type: none"> • Construct 2,555 LF of 12-inch diameter PVC 	2035	Deep Open Cut	\$551,880	\$932,680
F-31	New Construction	South Fowler Avenue between East La Crosse Avenue and East Clayton Avenue	<ul style="list-style-type: none"> • Construct 2,236 LF of 12-inch diameter PVC 	2035	Deep Open Cut	\$482,980	\$816,240
F-32	New Construction	South Armstrong Avenue between East Clayton Avenue and East Adams Avenue	<ul style="list-style-type: none"> • Construct 2,573 LF of 12-inch diameter PVC 	2035	Deep Open Cut	\$555,770	\$939,250
F-33	New Construction	South Temperance Avenue between East Adam Avenue and East Sumner Avenue	<ul style="list-style-type: none"> • Construct 2,200 LF of 12-inch diameter PVC 	2035	Deep Open Cut	\$475,200	\$803,090

Table C-3. Capital Improvement Program Projects in Fowler

Project Name	Project Type	Location	Description	Fiscal Year	Recommended Action	Estimated Construction Cost, 2016 Dollars	Estimated Capital Cost, 2016 Dollars
F-34	New Construction	South Temperance Avenue between East South Avenue and East Sumner Avenue	<ul style="list-style-type: none"> Construct 2,703 LF of 15-inch diameter PVC 	2035	Deep Open Cut	\$729,810	\$1,233,380
F-35	New Construction	South Temperance Avenue between East South Avenue and East Parlier Avenue	<ul style="list-style-type: none"> Construct 1,825 LF of 18-inch diameter PVC 	2035	Deep Open Cut	\$591,300	\$999,300
F-36	New Construction	East Manning Avenue and South Temperance Avenue	<ul style="list-style-type: none"> Construct 3,858 LF of 12-inch diameter PVC 	2035	Deep Open Cut	\$833,330	\$1,408,330
F-37	New Construction	South Fowler Avenue extending South from East South Avenue	<ul style="list-style-type: none"> Construct 1,338 LF of 12-inch diameter PVC 	2035	Deep Open Cut	\$289,010	\$488,430
F-38	New Construction	South 7 th Street extending West to Golden Gate Blvd	<ul style="list-style-type: none"> Construct 380 LF of 15-inch diameter PVC 	2035	Deep Open Cut	\$102,600	\$173,390