

Master Facilities Plan Update
For the
City of Ontario, California
(Volume II)

September 17, 2019

Storm Drainage Collection System

CITY OF ONTARIO, CALIFORNIA
Master Facilities Plan - All Plan Areas
Storm Drainage Collection System Facilities
MFP 2018-19 Update

		FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Project Build Out Total
SD-001	Euclid Avenue, Riverside To Merrill	\$0	\$0	\$0	\$0	\$9,281,432	\$9,281,432
SD-002	Grove Avenue, Grove Basin To Merrill	\$0	\$0	\$0	\$0	\$11,788,930	\$11,788,930
SD-003	Project No Longer Needed	\$0	\$0	\$0	\$0	\$0	\$0
SD-004	County Line Channel In Bellegrave Avenue	\$0	\$0	\$0	\$0	\$2,500,119	\$2,500,119
SD-005	Merrill Avenue, Euclid To Bon View	\$0	\$0	\$0	\$0	\$6,790,488	\$6,790,488
SD-006	Campus Avenue, 920' N/O Eucalyptus To Merrill	\$0	\$0	\$0	\$0	\$1,549,309	\$1,549,309
SD-007	Bon View, 1,320' N/O Chino To Merrill	\$0	\$0	\$0	\$0	\$8,202,387	\$8,202,387
SD-008	Euclid Avenue Laterals	\$0	\$0	\$0	\$0	\$6,417,851	\$6,417,851
SD-009	Project No Longer Needed	\$0	\$0	\$0	\$0	\$0	\$0
SD-010	Project No Longer Needed	\$0	\$0	\$0	\$0	\$0	\$0
SD-011	Project No Longer Needed	\$0	\$0	\$0	\$0	\$0	\$0
SD-012	Project No Longer Needed	\$0	\$0	\$0	\$0	\$0	\$0
SD-013	Walker Avenue, Eucalyptus To Chino	\$0	\$0	\$0	\$0	\$6,866,673	\$6,866,673
SD-014	Merrill Avenue, Vineyard To 1420' W/O Walker	\$0	\$0	\$0	\$0	\$6,856,490	\$6,856,490
SD-015	Ontario Ranch Road, Walker To 880' E/O Walker	\$0	\$0	\$0	\$0	\$1,137,994	\$1,137,994
SD-016	Schaefer Avenue, Walker To 1,950' E/O Walker	\$0	\$0	\$0	\$0	\$1,149,885	\$1,149,885
SD-017	Project No Longer Needed	\$0	\$0	\$0	\$0	\$0	\$0
SD-018	Project No Longer Needed	\$0	\$0	\$0	\$0	\$0	\$0
SD-019	Project No Longer Needed	\$0	\$0	\$0	\$0	\$0	\$0
SD-020	Hellman Avenue, Chino Avenue To 1,500' N/O Chino	\$0	\$0	\$0	\$0	\$556,094	\$556,094

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		FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Project Build Out Total
SD -021	Archibald Avenue, Schaefer To County Line Channel	\$0	\$0	\$0	\$0	\$6,871,050	\$6,871,050
SD -022	Eucalyptus Avenue, Archibald To 1,300' E/O Archibald (P)	\$0	\$0	\$0	\$0	\$1,102,511	\$1,102,511
SD -023	Ontario Ranch Road, Archibald To 2,500' E/O Archibald	\$0	\$0	\$0	\$0	\$1,136,097	\$1,136,097
SD -024	Project No Longer Needed	\$0	\$0	\$0	\$0	\$0	\$0
SD -025	Turner Avenue, Riverside To County Line Channel (P)	\$0	\$0	\$0	\$0	\$7,446,047	\$7,446,047
SD -026	Turner Avenue Laterals	\$0	\$0	\$0	\$0	\$2,508,748	\$2,508,748
SD -027	Haven Avenue, Riverside To County Line Channel (P)	\$0	\$0	\$0	\$0	\$8,266,143	\$8,266,143
SD -028	Ontario Ranch Road Between Haven And Mill Creek (P)	\$0	\$0	\$0	\$0	\$410,619	\$410,619
SD -029	Haven Avenue Laterals E/O Haven And N/O Schaefer	\$0	\$0	\$0	\$0	\$2,101,292	\$2,101,292
SD -030	Haven Avenue Laterals	\$0	\$0	\$0	\$0	\$326,876	\$326,876
SD -031	Project No Longer Needed	\$0	\$0	\$0	\$0	\$0	\$0
SD -032	Mill Creek, Riverside To County Line Channel (P)	\$0	\$0	\$0	\$0	\$10,394,379	\$10,394,379
SD -033	Eucalyptus Avenue Between Mill Creek And Milliken	\$0	\$0	\$0	\$0	\$374,440	\$374,440
SD -034	Eucalyptus Avenue Between Haven And Mill Creek	\$0	\$0	\$0	\$0	\$668,173	\$668,173
SD -035	Mill Creek Avenue Laterals On Edison	\$0	\$0	\$0	\$0	\$1,247,525	\$1,247,525
SD -036	Schaefer Avenue Between Mill Creek And Milliken	\$0	\$0	\$0	\$0	\$1,752,911	\$1,752,911
SD -037	Hellman Avenue, Schaefer To Ontario Ranch Road And Laterals	\$0	\$0	\$0	\$0	\$4,804,976	\$4,804,976
SD -038	Project No Longer Needed	\$0	\$0	\$0	\$0	\$0	\$0
SD -039	Edison-Hellman/Vineyard, Hellman-ER/Merrill To C. Creek	\$0	\$0	\$0	\$0	\$4,712,252	\$4,712,252
SD -040	Eucalyptus Avenue, Hellman To Cucamonga Channel	\$0	\$0	\$0	\$0	\$1,304,595	\$1,304,595

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		FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Project Build Out Total
SD-041	Merrill Avenue, Cucamonga Channel To Walker	\$0	\$0	\$0	\$0	\$20,396,101	\$20,396,101
SD-042	Project No Longer Needed	\$0	\$0	\$0	\$0	\$0	\$0
SD-043	Project No Longer Needed	\$0	\$0	\$0	\$0	\$0	\$0
SD-044	Project No Longer Needed	\$0	\$0	\$0	\$0	\$0	\$0
SD-045	Eucalyptus Avenue, Cucamonga Channel To W/O Archibald	\$0	\$0	\$0	\$0	\$698,533	\$698,533
SD-046	Edison Avenue Laterals E/O Cucamonga Channel	\$0	\$0	\$0	\$0	\$1,103,333	\$1,103,333
SD-047	Project No Longer Needed	\$0	\$0	\$0	\$0	\$0	\$0
SD-048	Chino Avenue, Cucamonga Channel To N/O Chino	\$0	\$0	\$0	\$0	\$1,227,683	\$1,227,683
SD-049	Milliken Avenue, Riverside To County Line Channel (P)	\$0	\$0	\$0	\$0	\$3,642,694	\$3,642,694
SD-050	Offsite Euclid Avenue Storm Drain	\$0	\$0	\$0	\$0	\$19,715,234	\$19,715,234
SD-051	Offsite Walker Avenue Basin	\$0	\$0	\$0	\$0	\$20,200,000	\$20,200,000
SD-052	Offsite Grove Avenue Storm Drain And Basin	\$0	\$0	\$0	\$0	\$12,956,885	\$12,956,885
SD-053	Francis Avenue, Campus To West Cucamonga Creek Channel (P)	\$0	\$0	\$0	\$0	\$9,905,459	\$9,905,459
SD-054	Fifth Street, Beryln To West Cucamonga Creek Channel	\$0	\$0	\$0	\$0	\$1,851,739	\$1,851,739
SD-055	Parco Avenue, 60 Freeway To Riverside And Lateral	\$0	\$0	\$0	\$0	\$3,847,609	\$3,847,609
SD-056	Sixth Street, Glenn To Cucamonga Channel	\$0	\$0	\$0	\$0	\$7,780,102	\$7,780,102
SD-057	G Street, Beryln To West Cucamonga Channel & Various Streets	\$0	\$0	\$0	\$0	\$6,487,590	\$6,487,590
SD-058	Grove Avenue, 60 Freeway To Riverside Drive	\$0	\$0	\$0	\$0	\$2,125,720	\$2,125,720
SD-059	Campus Avenue, Cedar To Riverside	\$0	\$0	\$0	\$0	\$3,547,772	\$3,547,772
SD-060	D And I Streets, Grove To West Cucamonga Channel	\$0	\$0	\$0	\$0	\$1,380,194	\$1,380,194

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	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Project Build Out Total
SD -061	\$0	\$0	\$0	\$0	\$4,218,458	\$4,218,458
SD -062	\$0	\$0	\$0	\$0	\$4,184,754	\$4,184,754
SD -063	\$0	\$0	\$0	\$0	\$6,738,657	\$6,738,657
SD -064	\$0	\$0	\$0	\$0	\$2,631,593	\$2,631,593
SD -065	\$0	\$0	\$0	\$0	\$2,830,315	\$2,830,315
SD -066	\$0	\$0	\$0	\$0	\$2,392,667	\$2,392,667
SD -067	\$0	\$0	\$0	\$0	\$3,545,094	\$3,545,094
SD -068	\$0	\$0	\$0	\$0	\$2,191,316	\$2,191,316
SD -069	\$0	\$0	\$0	\$0	\$557,520	\$557,520
SD -070	\$0	\$0	\$0	\$0	\$12,469,125	\$12,469,125
SD -071	\$0	\$0	\$0	\$0	\$3,941,546	\$3,941,546
SD -072	\$0	\$0	\$0	\$0	\$7,508,428	\$7,508,428
SD -073	\$0	\$0	\$0	\$0	\$13,000,109	\$13,000,109
SD -074	\$0	\$0	\$0	\$0	\$1,807,410	\$1,807,410
SD -075	\$0	\$0	\$0	\$0	\$200,000	\$200,000
SD -076	\$0	\$0	\$0	\$0	\$0	\$0
SD -077	\$0	\$0	\$0	\$0	\$4,135,524	\$4,135,524
SD -078	\$0	\$0	\$0	\$0	\$888,456	\$888,456
SD -079	\$0	\$0	\$0	\$0	\$1,371,962	\$1,371,962
SD -080	\$0	\$0	\$0	\$0	\$3,311,276	\$3,311,276

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SD -081	Bon View Avenue, 60 Freeway To Francis (Phase 2 Of SD-065)	\$0	\$0	\$0	\$0	\$1,555,326	\$1,555,326
SD -082	Cucamonga Avenue, Francis To 60 Freeway (Phase 2 Of SD-066)	\$0	\$0	\$0	\$0	\$1,231,909	\$1,231,909
SD -083	Mountain & Boulder, I-10 To I Street (Phase 2 Of SD-070)	\$0	\$0	\$0	\$0	\$5,685,064	\$5,685,064
SD -084	Benson Avenue Laterals (Phase 2 Of SD-071)	\$0	\$0	\$0	\$0	\$4,246,845	\$4,246,845
SD -085	Mountain Avenue, State To Phillips (Phase 2 Of SD-072)	\$0	\$0	\$0	\$0	\$2,149,558	\$2,149,558
SD -086	San Antonio & Phillips, Euclid To Francis (Phase2, SD-073)	\$0	\$0	\$0	\$0	\$5,552,715	\$5,552,715
SD -087	Oakland Avenue, State To Phillips (Phase 2 Of SD-074)	\$0	\$0	\$0	\$0	\$6,951,996	\$6,951,996
SD -088	Walker Avenue, 60 Freeway To Riverside And Lateral	\$0	\$0	\$0	\$0	\$1,863,006	\$1,863,006
SD -089	Baker Avenue And Riverside Drive, S/O 60 Freeway	\$0	\$0	\$0	\$0	\$2,632,040	\$2,632,040
SD -090	G Street, Corona To Del Norte	\$0	\$0	\$0	\$0	\$2,750,734	\$2,750,734
SD -091	Del Norte And Imperial Avenues From I Street To G Street	\$0	\$0	\$0	\$0	\$1,213,989	\$1,213,989
SD -092	Vine Avenue, G Street To State	\$0	\$0	\$0	\$0	\$3,623,848	\$3,623,848
SD -093	Vine Avenue, Sixth To G Street	\$0	\$0	\$0	\$0	\$3,808,337	\$3,808,337
SD -094	Sultana Avenue, Fifth To Holt	\$0	\$0	\$0	\$0	\$6,510,304	\$6,510,304
SD -095	Benson Avenue And Laterals	\$0	\$0	\$0	\$0	\$2,185,828	\$2,185,828
SD -096	Benson Avenue, Francis To Philadelphia	\$0	\$0	\$0	\$0	\$2,901,565	\$2,901,565
SD -097	Mission, Benson, Phillips & Oaks, W/O Magnolia	\$0	\$0	\$0	\$0	\$4,658,672	\$4,658,672
SD -098	Holt Boulevard, Convention Center To Cucamonga Channel	\$0	\$0	\$0	\$0	\$1,080,218	\$1,080,218
SD -099	Mission Boulevard, Proforma To Turner	\$0	\$0	\$0	\$0	\$1,001,464	\$1,001,464
SD -100	6th Street, West Cucamonga Channel To Grove	\$0	\$0	\$0	\$0	\$526,620	\$526,620

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	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Project Build Out Total
SD -101 Archibald Avenue, Inland Empire To Airport Drive	\$0	\$0	\$0	\$0	\$2,168,437	\$2,168,437
SD -102 Fifth Street, Balboa To Cucamonga Channel	\$0	\$0	\$0	\$0	\$1,372,920	\$1,372,920
SD -103 Share Of Common City Yard Improvements	\$0	\$0	\$0	\$0	\$1,739,460	\$1,739,460
SD -104 Ontario Ranch Storm Drain Design Studies	\$0	\$0	\$0	\$0	\$813,062	\$813,062
SD -105 Ontario Ranch Storm Drain Study	\$0	\$0	\$0	\$0	\$1,000,000	\$1,000,000
TOTALS	\$0	\$0	\$0	\$0	\$382,541,061	\$382,541,061

Notes:
1) If project timing is not a component of this effort, then all projects default to their "Thru Build Out" amount.

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: Euclid Avenue, Riverside To Merrill

SD -001

Submitting Departments: Engineering Department

Project Description:

Construct 13,200 linear feet of storm drain system along Euclid Avenue from Riverside Drive to Merrill Avenue, identified as EULD-XIV-1 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 10% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from the Ontario Ranch (OR) area and is likely totally within that area. The amount of any project costs not fully attributed to the OR area (if any) represents the percentage of storm water collected or moved by that segment of pipe was not generated by rainfall within the OR area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$1,210,622	\$1,210,622
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$7,337,100	\$7,337,100
4. Contingency	\$0	\$0	\$0	\$0	\$733,710	\$733,710
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$9,281,432	\$9,281,432

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: Grove Avenue, Grove Basin To Merrill

SD -002

Submitting Departments: Engineering Department

Project Description:

Construct 11,900 linear feet of storm drain system along Grove Avenue from Grove Basin (located south of Riverside Drive) to Merrill Avenue, identified as GROV-XIII-1 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 10% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from the Ontario Ranch (OR) area and is likely totally within that area. The amount of any project costs not fully attributed to the OR area (if any) represents the percentage of storm water collected or moved by that segment of pipe was not generated by rainfall within the OR area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$1,537,687	\$1,537,687
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$9,319,312	\$9,319,312
4. Contingency	\$0	\$0	\$0	\$0	\$931,931	\$931,931
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$11,788,930	\$11,788,930

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: Project No Longer Needed

SD -003

Submitting Departments: Engineering Department

Project Description:

The project previously titled Grove Avenue (GroV-A1) Merrill to runway (County) has been included as part of Project No. SD-052, Offsite Grove Avenue Storm Drain and Basin, based on the City of Ontario Master Plan of Drainage (March 2012).

Justification / Consequences of Avoidance:

The project has been left in as a place holder to maintain the previous project numbering system.

Relationship to General Plan Development:

Separate project is not needed.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Not applicable.

Project Timing:

Separate project is not needed.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$0	\$0

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: County Line Channel In Bellegrave Avenue

SD -004

Submitting Departments: Engineering Department

Project Description:

The County of San Bernardino has completed the construction of the County Line Channel along Bellegrave Avenue from Cucamonga Channel to Milliken Avenue. The City's share of the construction cost is \$1.3 million. The right-of-way acquisition credit owed to the various property owners is \$1.2 million.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from the Ontario Ranch (OR) area and is likely totally within that area. The amount of any project costs not fully attributed to the OR area (if any) represents the percentage of storm water collected or moved by that segment of pipe was not generated by rainfall within the OR area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - The project has been completed and no cost increases have been applied.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Project Costs To Date	\$0	\$0	\$0	\$0	\$2,500,119	\$2,500,119
TOTAL COST:	\$0	\$0	\$0	\$0	\$2,500,119	\$2,500,119

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: Merrill Avenue, Euclid To Bon View

SD -005

Submitting Departments: Engineering Department

Project Description:

Construct 4,300 linear feet of storm drain system along Merrill Avenue from Euclid Avenue to Bon View Avenue, identified as MERL-XIV-1 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 10% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from the Ontario Ranch (OR) area and is likely totally within that area. The amount of any project costs not fully attributed to OR area (if any) represents the percentage of storm water collected or moved by that segment of pipe was not generated by rainfall within the OR area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$885,716	\$885,716
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$5,367,975	\$5,367,975
4. Contingency	\$0	\$0	\$0	\$0	\$536,797	\$536,797
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$6,790,488	\$6,790,488

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Campus Avenue, 920' N/O Eucalyptus To Merrill
Submitting Departments: Engineering Department

SD -006

Project Description:

Construct 3,500 linear feet of storm drain system along Campus Avenue from 920 feet north of Eucalyptus Avenue to Merrill Avenue, identified as MERL-XIV-2 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 10% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from the Ontario Ranch (OR) area and is likely totally within that area. The amount of any project costs not fully attributed to OR area (if any) represents the percentage of storm water collected or moved by that segment of pipe was not generated by rainfall within the OR area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$202,084	\$202,084
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$1,224,750	\$1,224,750
4. Contingency	\$0	\$0	\$0	\$0	\$122,475	\$122,475
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$1,549,309	\$1,549,309

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: Bon View, 1,320' N/O Chino To Merrill

SD -007

Submitting Departments: Engineering Department

Project Description:

Construct 11,800 linear feet of storm drain system along Bon View Avenue from 1300 feet south of Riverside Drive to Merrill Avenue, identified as BNWV-XIV-1 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 10% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from the Ontario Ranch area and is likely totally within that area. The amount of any project costs not fully attributed to OR area (if any) represents the percentage of storm water collected or moved by that segment of pipe was not generated by rainfall within the OR area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$1,069,877	\$1,069,877
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$6,484,100	\$6,484,100
4. Contingency	\$0	\$0	\$0	\$0	\$648,410	\$648,410
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$8,202,387	\$8,202,387

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: Euclid Avenue Laterals

SD -008

Submitting Departments: Engineering Department

Project Description:

Construct 10,400 linear feet of storm drain system along Chino Avenue from Euclid Avenue to Campus Avenue, Schaefer Avenue from Euclid Avenue to Campus Avenue, Edison Avenue from Euclid Avenue to Campus Avenue and Eucalyptus Avenue from Euclid Avenue to 1,100 feet east of Euclid Avenue, identified as EULD-XIV-2, EULD-XIV-3, EULD-XIV-4 and EULD-XIV-5 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 10% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from the Ontario Ranch (OR) area and is likely totally within that area. The amount of any project costs not fully attributed to OR area (if any) represents the percentage of storm water collected or moved by that segment of pipe was not generated by rainfall within the OR area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$837,111	\$837,111
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$5,073,400	\$5,073,400
4. Contingency	\$0	\$0	\$0	\$0	\$507,340	\$507,340
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$6,417,851	\$6,417,851

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: Project No Longer Needed

SD -009

Submitting Departments: Engineering Department

Project Description:

The project previously titled Bon View lateral (Bonv-A2) has been included as part of Project No. SD-007, Bon View, 1320' N/O Chino to Merrill, based on the City of Ontario Master Plan of Drainage (March 2012).

Justification / Consequences of Avoidance:

The project has been left in as a place holder to maintain the previous project numbering system.

Relationship to General Plan Development:

Separate project is not needed.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Not applicable.

Project Timing:

Separate project is not needed.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$0	\$0

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: Project No Longer Needed

SD -010

Submitting Departments: Engineering Department

Project Description:

The project previously titled Grove Avenue lateral (GroV-A2) has been included as part of Project No. SD-002, Grove Avenue, From Merrill to Grove Basin, based on the City of Ontario Master Plan of Drainage (March 2012).

Justification / Consequences of Avoidance:

The project has been left in as a place holder to maintain the previous project numbering system.

Relationship to General Plan Development:

Project is not needed.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Not applicable.

Project Timing:

Project is not needed.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$0	\$0

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: Project No Longer Needed

SD -011

Submitting Departments: Engineering Department

Project Description:

The project previously titled Grove Avenue lateral (Grove-A3) has been included as part of Project No. SD-013, Walker Avenue, Merrill to Chino, based on the City of Ontario Master Plan of Drainage (March 2012).

Justification / Consequences of Avoidance:

The project has been left in as a place holder to maintain the previous project numbering system.

Relationship to General Plan Development:

Separate project is not needed.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Not applicable.

Project Timing:

Separate project is not needed.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquistion / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$0	\$0

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: Project No Longer Needed

SD -012

Submitting Departments: Engineering Department

Project Description:

The project previously titled Grove Avenue lateral (Grove-A4) has been included as part of Project No. SD-013, Walker Avenue, Merrill to Chino, based on the City of Ontario Master Plan of Drainage (March 2012).

Justification / Consequences of Avoidance:

The project has been left in as a place holder to maintain the previous project numbering system.

Relationship to General Plan Development:

Separate project is not needed.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Not applicable.

Project Timing:

Separate project is not needed.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$0	\$0

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: Walker Avenue, Eucalyptus To Chino

SD -013

Submitting Departments: Engineering Department

Project Description:

Construct 9,300 linear feet of storm drain system along Walker Avenue from Eucalyptus Avenue to Chino Avenue, identified as WLKR-XII-1 in the City of Ontario Master Plan of Drainage (March 2012, amended 2017). Contingency is included at 10% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from the Ontario Ranch (OR) area and is likely totally within that area. The amount of any project costs not fully attributed to OR area (if any) represents the percentage of storm water collected or moved by that segment of pipe was not generated by rainfall within the OR area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$895,653	\$895,653
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$5,428,200	\$5,428,200
4. Contingency	\$0	\$0	\$0	\$0	\$542,820	\$542,820
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$6,866,673	\$6,866,673

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Merrill Avenue, Vineyard To 1420' W/O Walker
Submitting Departments: Engineering Department

SD -014

Project Description:

Construct 3,970 linear feet of storm drain system along Merrill Avenue from Vineyard Avenue to 1420' west of Walker Avenue, identified as WLKR-XII-1 and WLKR XII-2 in the City of Ontario Master Plan of Drainage (March 2012, amended 2017). Contingency is included at 10% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from the Ontario Ranch (OR) area and is likely totally within that area. The amount of any project costs not fully attributed to OR area (if any) represents the percentage of storm water collected or moved by that segment of pipe was not generated by rainfall within the OR area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$894,325	\$894,325
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$5,420,150	\$5,420,150
4. Contingency	\$0	\$0	\$0	\$0	\$542,015	\$542,015
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$6,856,490	\$6,856,490

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Ontario Ranch Road, Walker To 880' E/O Walker
Submitting Departments: Engineering Department

SD -015

Project Description:

Construct 1,900 linear feet of storm drain system along Ontario Ranch Road (Edison) from Walker Avenue to 1,900 feet east of Walker Avenue, identified as WLKR-XII-3 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 10% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from the Ontario Ranch (OR) area and is likely totally within that area. The amount of any project costs not fully attributed to OR area (if any) represents the percentage of storm water collected or moved by that segment of pipe was not generated by rainfall within the OR area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$148,434	\$148,434
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$899,600	\$899,600
4. Contingency	\$0	\$0	\$0	\$0	\$89,960	\$89,960
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$1,137,994	\$1,137,994

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Schaefer Avenue, Walker To 1,950' E/O Walker
Submitting Departments: Engineering Department

SD -016

Project Description:

Construct 2,000 linear feet of storm drain system along Schaefer Avenue from Walker Avenue to 2,000 feet east of Walker Avenue, identified as WLKR-XII-4 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 10% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from the Ontario Ranch (OR) area and is likely totally within that area. The amount of any project costs not fully attributed to OR area (if any) represents the percentage of storm water collected or moved by that segment of pipe was not generated by rainfall within the OR area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design/Engineering/Administration	\$0	\$0	\$0	\$0	\$149,985	\$149,985
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$909,000	\$909,000
4. Contingency	\$0	\$0	\$0	\$0	\$90,900	\$90,900
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$1,149,885	\$1,149,885

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: Project No Longer Needed

SD -017

Submitting Departments: Engineering Department

Project Description:

The project previously titled Walker Avenue lateral (Walk-A5) has been included as part of Project Nos. SD-013 through SD-016 based on City of Ontario Master Plan of Drainage (March 2012).

Justification / Consequences of Avoidance:

The project has been left in as a place holder to maintain the previous project numbering system.

Relationship to General Plan Development:

Separate project is not needed.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Not applicable.

Project Timing:

Separate project is not needed.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$0	\$0

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: Project No Longer Needed

SD -018

Submitting Departments: Engineering Department

Project Description:

The project previously titled Walker Avenue Lateral (Walk-A6) has been included as part of Project Nos. SD-013 through SD-016 based on City of Ontario Master Plan of Drainage (March 2012).

Justification / Consequences of Avoidance:

The project has been left in as a place holder to maintain the previous project numbering system.

Relationship to General Plan Development:

Separate project is not needed.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Not applicable.

Project Timing:

Separate project is no needed.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$0	\$0

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: Project No Longer Needed

SD -019

Submitting Departments: Engineering Department

Project Description:

This project has been constructed by the San Bernardino County Flood Control District with no funding requirement by the City. This page has been left in as a place holder in order to maintain the existing project numbering established by the 2001 DIF/MFP Reports.

Justification / Consequences of Avoidance:

The project has been left in as a place holder to maintain the previous project numbering system.

Relationship to General Plan Development:

Project is not needed.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Not applicable.

Project Timing:

Project is not needed.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$0	\$0

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Hellman Avenue, Chino Avenue To 1,500' N/O Chino
Submitting Departments: Engineering Department

SD -020

Project Description:

Construct 1,500 linear feet of storm drain system along Hellman Avenue from Chino Avenue to 1,500 feet north of Chino Avenue, identified as CHIN-XI-2 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 10% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from the Ontario Ranch (OR) area and is likely totally within that area. The amount of any project costs not fully attributed to OR area (if any) represents the percentage of storm water collected or moved by that segment of pipe was not generated by rainfall within the OR area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$72,534	\$72,534
2. Land Acquistion / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$439,600	\$439,600
4. Contingency	\$0	\$0	\$0	\$0	\$43,960	\$43,960
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$556,094	\$556,094

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Archibald Avenue, Schaefer To County Line Channel
Submitting Departments: Engineering Department

SD -021

Project Description:

Construct 9,800 linear feet of storm drain system along Archibald Avenue from Schaefer Avenue to the County Line Channel (located along Bellegrove Avenue), identified as ARCH-X-1 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 10% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from the Ontario Ranch (OR) area and is likely totally within that area. The amount of any project costs not fully attributed to OR area (if any) represents the percentage of storm water collected or moved by that segment of pipe was not generated by rainfall within the OR area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - Project is completed and thus actual costs.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$896,224	\$896,224
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$5,431,660	\$5,431,660
4. Contingency	\$0	\$0	\$0	\$0	\$543,166	\$543,166
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$6,871,050	\$6,871,050

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Eucalyptus Avenue, Archibald To 1,300' E/O Archibald (P)
Submitting Departments: Engineering Department

SD -022

Project Description:

Construct 2,200 linear feet of storm drain system along Eucalyptus Avenue from Archibald Avenue to 1,300 feet east of Archibald Avenue, identified as ARCH-X-2 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 10% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from the Ontario Ranch (OR) area and is likely totally within that area. The amount of any project costs not fully attributed to OR area (if any) represents the percentage of storm water collected or moved by that segment of pipe was not generated by rainfall within the OR area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$127,031	\$127,031
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$769,890	\$769,890
4. Contingency	\$0	\$0	\$0	\$0	\$76,990	\$76,990
5. Project Costs To Date	\$0	\$0	\$0	\$0	\$128,600	\$128,600
TOTAL COST:	\$0	\$0	\$0	\$0	\$1,102,511	\$1,102,511

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: Ontario Ranch Road, Archibald To 2,500' E/O Archibald

SD -023

Submitting Departments: Engineering Department

Project Description:

Construct 2,500 linear feet of storm drain system along Ontario Ranch Road (Edison) from Archibald Avenue to 2,500 feet of Archibald Avenue, identified as ARCH-X-3 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 10% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from the Ontario Ranch (OR) area and is likely totally within that area. The amount of any project costs not fully attributed to OR area (if any) represents the percentage of storm water collected or moved by that segment of pipe was not generated by rainfall within the OR area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - The project has been completed and no cost increases have been applied.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Project Costs To Date	\$0	\$0	\$0	\$0	\$1,136,097	\$1,136,097
TOTAL COST:	\$0	\$0	\$0	\$0	\$1,136,097	\$1,136,097

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: Project No Longer Needed

SD -024

Submitting Departments: Engineering Department

Project Description:

The project previously titled Archibald lateral (Arch-A4) has been included as part of Project No. SD-021 through SD-023 based on City of Ontario Master Plan of Drainage (March 2012).

Justification / Consequences of Avoidance:

The project has been left in as a place holder to maintain the previous project numbering system.

Relationship to General Plan Development:

Separate project is not needed.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Not applicable.

Project Timing:

Separate project is not needed.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$0	\$0

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Turner Avenue, Riverside To County Line Channel (P)
Submitting Departments: Engineering Department

SD -025

Project Description:

Construct 14,720 linear feet of storm drain system along Turner Avenue from Riverside Drive to the County Line Channel (located along Bellegrave Avenue), identified as TRNR-X-1 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 10% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from the Ontario Ranch (OR) area and is likely totally within that area. The amount of any project costs not fully attributed to OR area (if any) represents the percentage of storm water collected or moved by that segment of pipe was not generated by rainfall within the OR area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$205,623	\$205,623
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$1,246,200	\$1,246,200
4. Contingency	\$0	\$0	\$0	\$0	\$124,620	\$124,620
5. Project Costs To Date	\$0	\$0	\$0	\$0	\$5,869,604	\$5,869,604
TOTAL COST:	\$0	\$0	\$0	\$0	\$7,448,047	\$7,446,047

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: Turner Avenue Laterals

SD -026

Submitting Departments: Engineering Department

Project Description:

Construct 5,740 linear feet of storm drain system east of Turner Avenue between Schaefer Avenue and Bellegrave Avenue, identified as TRNR-X-2, TRNR-X-3 and TRNR-X-4 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 10% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from the Ontario Ranch (OR) area and is likely totally within that area. The amount of any project costs not fully attributed to OR area (if any) represents the percentage of storm water collected or moved by that segment of pipe was not generated by rainfall within the OR area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$158,815	\$158,815
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$962,515	\$962,515
4. Contingency	\$0	\$0	\$0	\$0	\$96,252	\$96,252
5. Project Costs To Date	\$0	\$0	\$0	\$0	\$1,291,166	\$1,291,166
TOTAL COST:	\$0	\$0	\$0	\$0	\$2,508,748	\$2,508,748

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Haven Avenue, Riverside To County Line Channel (P)
Submitting Departments: Engineering Department

SD -027

Project Description:

Construct 12,230 linear feet of storm drain system along Haven Avenue from Riverside Drive to the County Line Channel (located along Bellegrave Avenue), identified as HAVN-X-1 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 10% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from the Ontario Ranch (OR) area and is likely totally within that area. The amount of any project costs not fully attributed to OR area (if any) represents the percentage of storm water collected or moved by that segment of pipe was not generated by rainfall within the OR area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$897,504	\$897,504
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$5,439,413	\$5,439,413
4. Contingency	\$0	\$0	\$0	\$0	\$543,940	\$543,940
5. Project Costs To Date	\$0	\$0	\$0	\$0	\$1,385,286	\$1,385,286
TOTAL COST:	\$0	\$0	\$0	\$0	\$8,266,143	\$8,266,143

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Ontario Ranch Road Between Haven And Mill Creek (P)
Submitting Departments: Engineering Department

SD -028

Project Description:

Construct 1,000 linear feet of storm drain system along Ontario Ranch Road (Edison) from Haven Avenue to 1,000 feet east of Haven Avenue, identified as HAVN-X-2 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 10% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from the Ontario Ranch (OR) area and is likely totally within that area. The amount of any project costs not fully attributed to OR area (if any) represents the percentage of storm water collected or moved by that segment of pipe was not generated by rainfall within the OR area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$41,740	\$41,740
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$252,969	\$252,969
4. Contingency	\$0	\$0	\$0	\$0	\$25,297	\$25,297
5. Project Costs To Date	\$0	\$0	\$0	\$0	\$90,613	\$90,613
TOTAL COST:	\$0	\$0	\$0	\$0	\$410,619	\$410,619

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Haven Avenue Laterals E/O Haven And N/O Schaefer
Submitting Departments: Engineering Department

SD -029

Project Description:

Construct 4,300 linear feet of storm drain system north of Schaefer Avenue and east of Haven Avenue, identified as HAVN-X-3 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 10% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from the Ontario Ranch (OR) area and is likely totally within that area. The amount of any project costs not fully attributed to OR area (if any) represents the percentage of storm water collected or moved by that segment of pipe was not generated by rainfall within the OR area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$274,082	\$274,082
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$1,661,100	\$1,661,100
4. Contingency	\$0	\$0	\$0	\$0	\$166,110	\$166,110
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$2,101,292	\$2,101,292

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: Haven Avenue Laterals

SD -030

Submitting Departments: Engineering Department

Project Description:

Construct 720 linear feet of storm drain system along Chino Avenue from Haven Avenue to 720 feet east of Haven Avenue, identified as HAVN-X-4 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 10% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from the Ontario Ranch (OR) area and is likely totally within that area. The amount of any project costs not fully attributed to OR area (if any) represents the percentage of storm water collected or moved by that segment of pipe was not generated by rainfall within the OR area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$42,636	\$42,636
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$258,400	\$258,400
4. Contingency	\$0	\$0	\$0	\$0	\$25,840	\$25,840
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$326,876	\$326,876

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: Project No Longer Needed

SD -031

Submitting Departments: Engineering Department

Project Description:

The project previously titled Haven Avenue Lateral (Haven-A5) has been included as part of Project No. SD-027 through SD-030 based on City of Ontario Master Plan of Drainage (March 2012).

Justification / Consequences of Avoidance:

The project has been left in as a place holder to maintain the previous project numbering system.

Relationship to General Plan Development:

Separate project is not needed.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Not applicable.

Project Timing:

Separate project is not needed.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$0	\$0

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Mill Creek, Riverside To County Line Channel (P)
Submitting Departments: Engineering Department

SD -032

Project Description:

Construct 12,255 linear feet of storm drain system along Mill Creek Avenue from Riverside Drive to the County Line Channel (located along Bellegrave Avenue), identified as MLCR-X-1 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 10% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from the Ontario Ranch (OR) area and is likely totally within that area. The amount of any project costs not fully attributed to OR area (if any) represents the percentage of storm water collected or moved by that segment of pipe was not generated by rainfall within the OR area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$1,201,212	\$1,201,212
2. Land Acquistion / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$7,280,067	\$7,280,067
4. Contingency	\$0	\$0	\$0	\$0	\$728,007	\$728,007
5. Project Costs To Date	\$0	\$0	\$0	\$0	\$1,185,093	\$1,185,093
TOTAL COST:	\$0	\$0	\$0	\$0	\$10,394,379	\$10,394,379

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Eucalyptus Avenue Between Mill Creek And Milliken
Submitting Departments: Engineering Department

SD -033

Project Description:

Construct 2,300 linear feet of storm drain system along Eucalyptus Avenue from Mill Creek Avenue to 2,300 feet east of Mill Creek Avenue, identified as MLCR-X-2 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 10% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from the Ontario Ranch (OR) area and is likely totally within that area. The amount of any project costs not fully attributed to OR area (if any) represents the percentage of storm water collected or moved by that segment of pipe was not generated by rainfall within the OR area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$48,840	\$48,840
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$296,000	\$296,000
4. Contingency	\$0	\$0	\$0	\$0	\$29,600	\$29,600
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$374,440	\$374,440

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Eucalyptus Avenue Between Haven And Mill Creek
Submitting Departments: Engineering Department

SD -034

Project Description:

Construct 1,360 linear feet of storm drain system along Eucalyptus Avenue from 1,360 feet west of Mill Creek Avenue to Mill Creek Avenue, identified as MLCR-X-3 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 10% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from the Ontario Ranch (OR) area and is likely totally within that area. The amount of any project costs not fully attributed to OR area (if any) represents the percentage of storm water collected or moved by that segment of pipe was not generated by rainfall within the OR area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$87,153	\$87,153
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$528,200	\$528,200
4. Contingency	\$0	\$0	\$0	\$0	\$52,820	\$52,820
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$668,173	\$668,173

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: Mill Creek Avenue Laterals On Edison

SD -035

Submitting Departments: Engineering Department

Project Description:

Construct 2,700 linear feet of storm drain system along Edison Avenue from Mill Creek Avenue to 1,700 feet east of Mill Creek Avenue and 1,000 feet west of Mill Creek Avenue to Mill Creek Avenue, identified as MLCR-X-4 and MLCR-X-5 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 10% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from the Ontario Ranch (OR) area and is likely totally within that area. The amount of any project costs not fully attributed to OR area (if any) represents the percentage of storm water collected or moved by that segment of pipe was not generated by rainfall within the OR area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - The project has been completed and no cost increases have been applied.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Project Costs To Date	\$0	\$0	\$0	\$0	\$1,247,525	\$1,247,525
TOTAL COST:	\$0	\$0	\$0	\$0	\$1,247,525	\$1,247,525

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Schaefer Avenue Between Mill Creek And Milliken
Submitting Departments: Engineering Department

SD -036

Project Description:

Construct 1,600 linear feet of storm drain system along Schaefer Avenue from Mill Creek Avenue to 1,600 feet east of Mill Creek, identified as MLCR-X-6 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 10% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from the Ontario Ranch (OR) area and is likely totally within that area. The amount of any project costs not fully attributed to OR area (if any) represents the percentage of storm water collected or moved by that segment of pipe was not generated by rainfall within the OR area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$228,641	\$228,641
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$1,385,700	\$1,385,700
4. Contingency	\$0	\$0	\$0	\$0	\$138,570	\$138,570
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$1,752,911	\$1,752,911

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Hellman Avenue, Schaefer To Ontario Ranch Road And Laterals
Submitting Departments: Engineering Department

SD -037

Project Description:

Construct 8,700 linear feet of storm drain system along Hellman Avenue from Schaefer Avenue to Ontario Ranch Road (Edison), Schaefer Avenue from Vineyard Avenue to Hellman Avenue and Carpenter Avenue from 1,400 feet north of Schaefer Avenue to Schaefer Avenue, identified as HLMN-XI-2b, HLMN-XI-4 and HLMN-XI-5 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 10% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from the Ontario Ranch (OR) area and is likely totally within that area. The amount of any project costs not fully attributed to OR area (if any) represents the percentage of storm water collected or moved by that segment of pipe was not generated by rainfall within the OR area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$626,736	\$626,736
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$3,798,400	\$3,798,400
4. Contingency	\$0	\$0	\$0	\$0	\$379,840	\$379,840
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$4,804,976	\$4,804,976

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: Project No Longer Needed

SD -038

Submitting Departments: Engineering Department

Project Description:

The project previously titled Riverside Avenue, West (Riv-W) has been included as part of Project No. SD-037 based on City of Ontario Master Plan of Drainage (March 2012).

Justification / Consequences of Avoidance:

The project has been left in as a place holder to maintain the previous project numbering system.

Relationship to General Plan Development:

Separate project is not needed.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Not applicable.

Project Timing:

Separate project is not needed.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$0	\$0

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Edison-Hellman/Vineyard, Hellman-ER/Merrill To C. Creek
Submitting Departments: Engineering Department

SD -039

Project Description:

Construct 7,100 linear feet of storm drain system along Hellman Avenue from Ontario Ranch Road (Edison) to Eucalyptus Avenue, Ontario Ranch Road from Vineyard Avenue to Hellman Avenue and Vineyard Avenue from 1,220 feet north of Ontario Ranch Road to Ontario Ranch Road, identified as Facilities HLMN-XI-2a and HLMN-XI-3 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 10% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from the Ontario Ranch (OR) area and is likely totally within that area. The amount of any project costs not fully attributed to OR area (if any) represents the percentage of storm water collected or moved by that segment of pipe was not generated by rainfall within the OR area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	Total all Years
1. Design / Engineering / Administrative	\$0	\$0	\$0	\$0	\$614,642	\$614,642
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$3,725,100	\$3,725,100
4. Contingency	\$0	\$0	\$0	\$0	\$372,510	\$372,510
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$4,712,252	\$4,712,252

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Eucalyptus Avenue, Hellman To Cucamonga Channel
Submitting Departments: Engineering Department

SD -040

Project Description:

Construct 1,600 linear feet of storm drain system along Eucalyptus Avenue from 720 feet west of Hellman Avenue to Cucamonga Channel, identified as HLMN-XI-1 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 10% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from the Ontario Ranch (OR) area and is likely totally within that area. The amount of any project costs not fully attributed to OR area (if any) represents the percentage of storm water collected or moved by that segment of pipe was not generated by rainfall within the OR area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$170,165	\$170,165
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$1,031,300	\$1,031,300
4. Contingency	\$0	\$0	\$0	\$0	\$103,130	\$103,130
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$1,304,595	\$1,304,595

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Merrill Avenue, Cucamonga Channel To Walker
Submitting Departments: Engineering Department

SD -041

Project Description:

Construct 8,636 linear feet of storm drain system along Merrill Avenue from Walker Avenue to Cucamonga Channel and Vineyard Avenue from Eucalyptus Avenue to Merrill Avenue and Eucalyptus Avenue from Walker Avenue to Vineyard Avenue, identified as MERL-XI-1 in the City of Ontario Master Plan of Drainage (March 2012, amended 2017). Contingency is included at 10% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from the Ontario Ranch (OR) area and is likely totally within that area. The amount of any project costs not fully attributed to OR area (if any) represents the percentage of storm water collected or moved by that segment of pipe was not generated by rainfall within the OR area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$2,660,361	\$2,660,361
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$16,123,400	\$16,123,400
4. Contingency	\$0	\$0	\$0	\$0	\$1,612,340	\$1,612,340
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$20,396,101	\$20,396,101

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: Project No Longer Needed

SD -042

Submitting Departments: Engineering Department

Project Description:

The project previously titled County Line, West (Rem-W) has been included as part of Project No. SD-013 based on City of Ontario Master Plan of Drainage (March 2012).

Justification / Consequences of Avoidance:

The project has been left in as a place holder to maintain the previous project numbering system.

Relationship to General Plan Development:

Separate project is not needed.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Not applicable.

Project Timing:

Separate project is not needed.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$0	\$0

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: Project No Longer Needed

SD -043

Submitting Departments: Engineering Department

Project Description:

The project previously titled County Line, East (Rem-E) has been eliminated based on the City of Ontario Master Plan of Drainage (March 2012).

Justification / Consequences of Avoidance:

The project has been left in as a place holder to maintain the previous project numbering system.

Relationship to General Plan Development:

Project is not needed.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

Project is not needed

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquistion / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$0	\$0

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: Project No Longer Needed

SD -044

Submitting Departments: Engineering Department

Project Description:

The project previously titled Bellegrave Avenue, East (Bell-E) has been eliminated based on the City of Ontario Master Plan of Drainage (March 2012).

Justification / Consequences of Avoidance:

The project has been left in as a place holder to maintain the previous project numbering system.

Relationship to General Plan Development:

Project is not needed.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Not applicable.

Project Timing:

Project is not needed.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquistion / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$0	\$0

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Eucalyptus Avenue, Cucamonga Channel To W/O Archibald
Submitting Departments: Engineering Department

SD -045

Project Description:

Construct 1,300 linear feet of storm drain system along Eucalyptus Avenue from Cucamonga Channel to north of Eucalyptus Avenue west of Archibald, identified as ECLP-XI-1 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 10% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from the Ontario Ranch (OR) area and is likely totally within that area. The amount of any project costs not fully attributed to OR area (if any) represents the percentage of storm water collected or moved by that segment of pipe was not generated by rainfall within the OR area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$91,113	\$91,113
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$552,200	\$552,200
4. Contingency	\$0	\$0	\$0	\$0	\$55,220	\$55,220
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$698,533	\$698,533

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Edison Avenue Laterals E/O Cucamonga Channel
Submitting Departments: Engineering Department

SD -046

Project Description:

Construct 2,900 linear feet of storm drain system along Edison Avenue north of Edison Avenue east of Cucamonga Channel and from Cucamonga Channel to 800 feet east of Cucamonga Channel, identified as EDSN-XI-1 and EDSN-XI-2 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 10% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from the Ontario Ranch (OR) area and is likely totally within that area. The amount of any project costs not fully attributed to OR area (if any) represents the percentage of storm water collected or moved by that segment of pipe was not generated by rainfall within the OR area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$143,913	\$143,913
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$872,200	\$872,200
4. Contingency	\$0	\$0	\$0	\$0	\$87,220	\$87,220
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$1,103,333	\$1,103,333

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: Project No Longer Needed

SD -047

Submitting Departments: Engineering Department

Project Description:

The project previously titled Schaefer Avenue, East (Scha-E) has been eliminated based on the City of Ontario Master Plan of Drainage (March 2012).

Justification / Consequences of Avoidance:

The project has been left in as a place holder to maintain the previous project numbering system.

Relationship to General Plan Development:

Project is not needed.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Not applicable.

Project Timing:

Project is not needed.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$0	\$0

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Chino Avenue, Cucamonga Channel To N/O Chino
Submitting Departments: Engineering Department

SD -048

Project Description:

Construct 2,800 linear feet of storm drain system along Chino Avenue from Cucamonga Channel to north of Chino Avenue, identified as CHIN-XI-1 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 10% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from the Ontario Ranch (OR) area and is likely totally within that area. The amount of any project costs not fully attributed to OR area (if any) represents the percentage of storm water collected or moved by that segment of pipe was not generated by rainfall within the OR area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$160,133	\$160,133
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$970,500	\$970,500
4. Contingency	\$0	\$0	\$0	\$0	\$97,050	\$97,050
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$1,227,683	\$1,227,683

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Milliken Avenue, Riverside To County Line Channel (P)
Submitting Departments: Engineering Department

SD -049

Project Description:

Construct 11,010 linear feet of storm drain system along Milliken Avenue from Riverside Drive to the County Line Channel (located along Bellegrave Avenue), identified as MLKN-X-1 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 10% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from the Ontario Ranch (OR) area and is likely totally within that area. The amount of any project costs not fully attributed to OR area (if any) represents the percentage of storm water collected or moved by that segment of pipe was not generated by rainfall within the OR area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$437,849	\$437,849
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$2,653,630	\$2,653,630
4. Contingency	\$0	\$0	\$0	\$0	\$265,363	\$265,363
5. Project Costs To Date	\$0	\$0	\$0	\$0	\$285,852	\$285,852
TOTAL COST:	\$0	\$0	\$0	\$0	\$3,642,694	\$3,642,694

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: Offsite Euclid Avenue Storm Drain

SD -050

Submitting Departments: Engineering Department

Project Description:

Construct a storm drainage system along Euclid Avenue from Merrill Avenue to the Prado Flood Control Basin located south of Pine Avenue in the City of Chino.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from the Ontario Ranch (OR) area and is likely totally within that area. The amount of any project costs not fully attributed to OR area (if any) represents the percentage of storm water collected or moved by that segment of pipe was not generated by rainfall within the OR area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This 2012 cost contribution estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$19,715,234	\$19,715,234
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$19,715,234	\$19,715,234

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: Offsite Walker Avenue Basin

SD -051

Submitting Departments: Engineering Department

Project Description:

Construct an off-site water quality basin identified as Mill Creek Wetlands. Contingency is included at 10% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from the Ontario Ranch (OR) area and is likely totally within that area. The amount of any project costs not fully attributed to OR area (if any) represents the percentage of storm water collected or moved by that segment of pipe was not generated by rainfall within the OR area.

Allocation To General Plan Buildout: 52.48%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - The project has been re-estimated.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$2,566,304	\$2,566,304
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$525,000	\$525,000
3. Construction	\$0	\$0	\$0	\$0	\$15,553,360	\$15,553,360
4. Contingency	\$0	\$0	\$0	\$0	\$1,555,336	\$1,555,336
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$20,200,000	\$20,200,000

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Offsite Grove Avenue Storm Drain And Basin
Submitting Departments: Engineering Department

SD -052

Project Description:

The City of Chino has completed the construction of Grove Avenue storm drain system south of Merrill Avenue including the Kimball Basin to accept storm water runoff from the City of Ontario Grove Avenue (GROVE-XIII-1) drainage area. This project represents Ontario's fair share contribution (per agreement between City of Ontario and City of Chino dated 08/21/2012) towards the storm drain improvements in the City of Chino to convey the storm water runoff generated by new development in the Ontario Ranch.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from the Ontario Ranch (OR) area and is likely totally within that area. The amount of any project costs not fully attributed to OR area (if any) represents the percentage of storm water collected or moved by that segment of pipe was not generated by rainfall within the OR area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - The project cost (contribution) is based upon a specific agreed amount thus will not change.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquistion / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction Contribution	\$0	\$0	\$0	\$0	\$12,956,885	\$12,956,885
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$12,956,885	\$12,956,885

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Francis Avenue, Campus To West Cucamonga Creek Channel (P)
Submitting Departments: Engineering Department

SD -053

Project Description:

Construct 7,700 linear feet of storm drain system along Francis Avenue from Campus Avenue to West Cucamonga Creek Channel, identified as FRNS-V-1a in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 15% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from within the General City (GC) area and is likely to be totally within that area. The amount of any project costs not fully attributed to new development within GC area (if any) represents the percentage of proposed storm water collection lines currently needed (or a portion thereof) thus that percentage is recognized as a current deficiency and will need to be financed by sources other than DIFs.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$886,890	\$886,890
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$5,141,389	\$5,141,389
4. Contingency	\$0	\$0	\$0	\$0	\$771,208	\$771,208
5. Project Costs To Date	\$0	\$0	\$0	\$0	\$3,105,972	\$3,105,972
TOTAL COST:	\$0	\$0	\$0	\$0	\$9,905,459	\$9,905,459

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Fifth Street, Beryln To West Cucamonga Creek Channel
Submitting Departments: Engineering Department

SD -054

Project Description:

Construct 4,200 linear feet of storm drain system along Fifth Street from Berlyn Avenue to Cucamonga Avenue, Cucamonga Avenue from Fifth Street to Princeton Street, Princeton Street from Cucamonga Avenue to West Cucamonga Creek Channel, identified as 5TH- V-1 and 5TH-V-2 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 15% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from within the General City (GC) area and is likely to be totally within that area. The amount of any project costs not fully attributed to new development within GC area (if any) represents the percentage of proposed storm water collection lines currently needed (or a portion thereof) thus that percentage is recognized as a current deficiency and will need to be financed by sources other than DIFs.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - The project has been completed and no cost increases have been applied.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Project Costs To Date	\$0	\$0	\$0	\$0	\$1,851,739	\$1,851,739
TOTAL COST:	\$0	\$0	\$0	\$0	\$1,851,739	\$1,851,739

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Parco Avenue, 60 Freeway To Riverside And Lateral
Submitting Departments: Engineering Department

SD -055

Project Description:

Construct 4,550 linear feet of storm drain system along Parco Avenue from the 60 FWY to Riverside Drive and Walnut Street from 800 feet west of Parco Avenue to Parco Avenue, identified as PACO- VIII-1a and PACO-VIII-2 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 15% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from within the General City (GC) area and is likely to be totally within that area. The amount of any project costs not fully attributed to new development within GC area (if any) represents the percentage of proposed storm water collection lines currently needed (or a portion thereof) thus that percentage is recognized as a current deficiency and will need to be financed by sources other than DIFs.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update: The project costs were re-estimated.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$501,862	\$501,862
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$2,909,345	\$2,909,345
4. Contingency	\$0	\$0	\$0	\$0	\$436,402	\$436,402
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$3,847,609	\$3,847,609

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: Sixth Street, Glenn To Cucamonga Channel

SD -056

Submitting Departments: Engineering Department

Project Description:

Construct 9,000 linear feet of storm drain system along Sixth Street from Glenn Avenue to Cucamonga Channel, Vineyard from Seventh Street to Sixth Street and Baker Avenue from 400 feet north of Sixth Street to Sixth Street, identified as 6TH-IV-1 through 6TH-IV-4 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 15% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from within the General City area and is likely to be totally within that area. The amount of any project costs not fully attributed to new development within General City area (if any) represents the percentage of proposed storm water collection lines currently needed (or a portion thereof) thus that percentage is recognized as a current deficiency and will need to be financed by sources other than DIFs.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - Actual Costs.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Completed Project Cost	\$0	\$0	\$0	\$0	\$7,780,102	\$7,780,102
TOTAL COST:	\$0	\$0	\$0	\$0	\$7,780,102	\$7,780,102

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: G Street, Berlyn To West Cucamonga Channel & Various Streets
Submitting Departments: Engineering Department

SD -057

Project Description:

Construct 10,600 linear feet of storm drain system along G Street from Allyn Avenue to West Cucamonga Creek Channel, Allyn Avenue from G Street to Fourth Street, Fourth Street from Allyn Avenue to Berlyn Avenue, Berlyn Avenue from Fourth Street to Fifth Street and laterals in various locations, identified as G ST-V-1 through G ST-V-6 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 15% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from within the General City (GC) area and is likely to be totally within that area. The amount of any project costs not fully attributed to new development within GC area (if any) represents the percentage of proposed storm water collection lines currently needed (or a portion thereof) thus that percentage is recognized as a current deficiency and will need to be financed by sources other than DIFs.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$846,207	\$846,207
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$4,905,550	\$4,905,550
4. Contingency	\$0	\$0	\$0	\$0	\$735,833	\$735,833
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$6,487,590	\$6,487,590

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Grove Avenue, 60 Freeway To Riverside Drive
Submitting Departments: Engineering Department

SD -058

Project Description:

Construct 3,400 linear feet of storm drain system along Grove Avenue from the 60 FWY to Riverside Drive and connect to Grove Avenue Basin as identified as GROV-VIII-1a in various locations, identified as G ST-V-1 through G ST-V-6 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 15% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from within the General City (GC) area and is likely to be totally within that area. The amount of any project costs not fully attributed to new development within GC area (if any) represents the percentage of proposed storm water collection lines currently needed (or a portion thereof) thus that percentage is recognized as a current deficiency and will need to be financed by sources other than DIFs.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$277,289	\$277,289
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$1,607,350	\$1,607,350
4. Contingency	\$0	\$0	\$0	\$0	\$241,101	\$241,101
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$2,125,720	\$2,125,720

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: Campus Avenue, Cedar To Riverside

SD -059

Submitting Departments: Engineering Department

Project Description:

Construct 7,200 linear feet of storm drain system along Campus Avenue from Cedar Street to Riverside Drive and Riverside Drive from 800 feet west of Campus Avenue to Campus Avenue, identified as CAMP-VIII-1 and CAMP-VIII-2 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 15% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from within the General City (GC) area and is likely to be totally within that area. The amount of any project costs not fully attributed to new development within GC area (if any) represents the percentage of proposed storm water collection lines currently needed (or a portion thereof) thus that percentage is recognized as a current deficiency and will need to be financed by sources other than DIFs.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$462,753	\$462,753
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$2,682,625	\$2,682,625
4. Contingency	\$0	\$0	\$0	\$0	\$402,394	\$402,394
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$3,547,772	\$3,547,772

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: D And I Streets, Grove To West Cucamonga Channel
Submitting Departments: Engineering Department

SD -060

Project Description:

Construct 2,700 linear feet of storm drain system along D Street from Grove to West Cucamonga Creek Channel and I Street from La Paloma to West Cucamonga Creek Channel, identified as D ST-V-1 and I ST-V-1 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 15% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from within the General City (GC) area and is likely to be totally within that area. The amount of any project costs not fully attributed to new development within GC area (if any) represents the percentage of proposed storm water collection lines currently needed (or a portion thereof) thus that percentage is recognized as a current deficiency and will need to be financed by sources other than DIFs.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$180,024	\$180,024
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$1,043,625	\$1,043,625
4. Contingency	\$0	\$0	\$0	\$0	\$156,545	\$156,545
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$1,380,194	\$1,380,194

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Inland Empire Blvd., Vineyard To Cucamonga Channel
Submitting Departments: Engineering Department

SD -061

Project Description:

Construct 4,800 linear feet of storm drain system along inland Empire Boulevard from Orange Avenue to Cucamonga Channel, identified as G ST-IV-1 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 15% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from within the General City (GC) area and is likely to be totally within that area. The amount of any project costs not fully attributed to new development within GC area (if any) represents the percentage of proposed storm water collection lines currently needed (or a portion thereof) thus that percentage is recognized as a current deficiency and will need to be financed by sources other than DIFs.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$88,579	\$88,579
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$513,504	\$513,504
4. Contingency	\$0	\$0	\$0	\$0	\$77,026	\$77,026
5. Completed Portion - Actual	\$0	\$0	\$0	\$0	\$3,539,349	\$3,539,349
TOTAL COST:	\$0	\$0	\$0	\$0	\$4,218,458	\$4,218,458

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: Sultana Avenue, Phillips To Philadelphia

SD -062

Submitting Departments: Engineering Department

Project Description:

Construct 5,600 linear feet of storm drain along Sultana Avenue from Phillips Street and Philadelphia Street, identified as SULT-VII-1a in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 15% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from within the General City (GC) area and is likely to be totally within that area. The amount of any project costs not fully attributed to new development within GC area (if any) represents the percentage of proposed storm water collection lines currently needed (or a portion thereof) thus that percentage is recognized as a current deficiency and will need to be financed by sources other than DIFs.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$545,837	\$545,837
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$3,164,275	\$3,164,275
4. Contingency	\$0	\$0	\$0	\$0	\$474,642	\$474,642
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$4,184,754	\$4,184,754

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Fourth Street, El Dorado To Cucamonga Channel
Submitting Departments: Engineering Department

SD -063

Project Description:

Construct 8,500 linear feet of storm drain system along Fourth Street from Corona Avenue to Cucamonga Channel, Corona Avenue from Princeton Street to Fourth Street, Princeton Street from Baker Avenue to Corona Avenue, Baker Avenue from Fifth Street to Fourth Street, Fifth Street from El Dorado Avenue to Baker Avenue, identified as 4TH-IV-1 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 15% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from within the General City (GC) area and is likely to be totally within that area. The amount of any project costs not fully attributed to new development within GC area (if any) represents the percentage of proposed storm water collection lines currently needed (or a portion thereof) thus that percentage is recognized as a current deficiency and will need to be financed by sources other than DIFs.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$410,457	\$410,457
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$2,379,460	\$2,379,460
4. Contingency	\$0	\$0	\$0	\$0	\$356,919	\$356,919
5. Completed Portion - Actual	\$0	\$0	\$0	\$0	\$3,591,821	\$3,591,821
TOTAL COST:	\$0	\$0	\$0	\$0	\$6,738,657	\$6,738,657

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Baker, Vineyard, Carlos, Hellman - Acacia To Philadelphia
Submitting Departments: Engineering Department

SD -064

Project Description:

Construct 6,100 linear feet of storm drain system along Baker Avenue from Acacia Street to Francis Street, Vineyard Avenue from Locust Street to Francis Street, Carlos Avenue from Elm Street to Locust Street and Hellman Avenue from Spruce Street to Philadelphia Street, identified as BAKR-V-1, VNYD-V-1, CRLS-V-1 and HLMN-IV-1 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 15% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from within the General City area and is likely to be totally within that area. The amount of any project costs not fully attributed to new development within General City area (if any) represents the percentage of proposed storm water collection lines currently needed (or a portion thereof) thus that percentage is recognized as a current deficiency and will need to be financed by sources other than DIFs.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$343,252	\$343,252
2. Land Acquistion / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$1,989,862	\$1,989,862
4. Contingency	\$0	\$0	\$0	\$0	\$298,479	\$298,479
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$2,631,593	\$2,631,593

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Bon View Avenue, 60 Freeway To Riverside (P)
Submitting Departments: Engineering Department

SD -065

Project Description:

Construct a total of 4,800 linear feet of storm drain systems along Bon View Avenue from the 60 FWY to Riverside Drive and Walnut Street from 1,200 feet west of Bon View Avenue to Bon View Avenue, identified as BNVW-VIII-1a and BNVW-VIII-2 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 15% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from within the General City area and is likely to be totally within that area. The amount of any project costs not fully attributed to new development within General City area (if any) represents the percentage of proposed storm water collection lines currently needed (or a portion thereof) thus that percentage is recognized as a current deficiency and will need to be financed by sources other than DIFs.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$366,859	\$366,859
2. Land Acquistion / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$2,126,720	\$2,126,720
4. Contingency	\$0	\$0	\$0	\$0	\$319,008	\$319,008
5. Project Costs To Date	\$0	\$0	\$0	\$0	\$17,728	\$17,728
TOTAL COST:	\$0	\$0	\$0	\$0	\$2,830,315	\$2,830,315

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Cucamonga Avenue, 60 Freeway To Riverside
Submitting Departments: Engineering Department

SD -066

Project Description:

Construct 4,100 linear feet of storm drain system along Cucamonga Avenue from the 60 FWY to Riverside Drive and Walnut Street from 1,060 feet west of Cucamonga Avenue to Cucamonga Avenue, identified as CUCA-VIII-1a and CUCA-VIII-2 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 15% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from within the General City area and is likely to be totally within that area. The amount of any project costs not fully attributed to new development within General City area (if any) represents the percentage of proposed storm water collection lines currently needed (or a portion thereof) thus that percentage is recognized as a current deficiency and will need to be financed by sources other than DIFs.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$312,087	\$312,087
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$1,809,200	\$1,809,200
4. Contingency	\$0	\$0	\$0	\$0	\$271,380	\$271,380
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$2,392,667	\$2,392,667

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: Bon View Avenue, Mission To Francis

SD -067

Submitting Departments: Engineering Department

Project Description:

Construct 6,500 linear feet of storm drain system along Bon View Avenue from Mission Avenue to Francis Street and Mission from Caldwell Avenue to Greenwood Avenue, identified as FRNS-V-3 and FRNS-V-4 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 15% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from within the General City area and is likely to be totally within that area. The amount of any project costs not fully attributed to new development within General City area (if any) represents the percentage of proposed storm water collection lines currently needed (or a portion thereof) thus that percentage is recognized as a current deficiency and will need to be financed by sources other than DIFs.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$462,404	\$462,404
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$2,680,600	\$2,680,600
4. Contingency	\$0	\$0	\$0	\$0	\$402,090	\$402,090
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$3,545,094	\$3,545,094

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: Cucamonga Avenue, Phillips To Francis

SD -068

Submitting Departments: Engineering Department

Project Description:

Construct 3,600 linear feet of storm drain system along Cucamonga Avenue from Phillips Street to Francis Street, identified as FRNS-V-2 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 15% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from within the General City area and is likely to be totally within that area. The amount of any project costs not fully attributed to new development within General City area (if any) represents the percentage of proposed storm water collection lines currently needed (or a portion thereof) thus that percentage is recognized as a current deficiency and will need to be financed by sources other than DIFs.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$285,824	\$285,824
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$1,656,950	\$1,656,950
4. Contingency	\$0	\$0	\$0	\$0	\$248,542	\$248,542
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$2,191,316	\$2,191,316

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: Storm Drainage Maintenance Vehicles

SD -069

Submitting Departments: Engineering Department

Project Description:

Expand the fleet of maintenance vehicles necessary to maintain the proportionally expanded amount of storm drainage line capacity, as represented by the construction projects within this chapter.

Justification / Consequences of Avoidance:

As the storm drainage system is expanded there will be an increased demand upon the existing vehicles dedicated to the maintenance of the storm drainage collection system. The additional vehicles will be necessary to avoid any decrease in the existing capability to maintain the existing system

Relationship to General Plan Development:

The proposed vehicles are fully related to additional demands created by new development thus are fully attributed to new development.

Allocation To General Plan Buildout: 100.00%

Reference Document:

No specific document, based upon proportional inventory expansion.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$557,520	\$557,520
TOTAL COST:	\$0	\$0	\$0	\$0	\$557,520	\$557,520

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: Boulder Avenue, I To State

SD -070

Submitting Departments: Engineering Department

Project Description:

Construct 10,000 linear feet of storm drain system along I Street from Mountain Avenue to Boulder Avenue, Boulder Avenue from I Street to Holt Boulevard, Holt Boulevard from Boulder Avenue to Mountain Avenue, Mountain Avenue from Holt Boulevard to State Street, D Street from Boulder Avenue to 700 feet east of Boulder Avenue and in Vesta Avenue from Boulder Avenue to 700 feet east of Boulder Avenue, identified as BLDR-VI-1a, BLDR-VI-2a, BLDR-VI-3 and BLDR-VI-4 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 15% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost. The project is designed to accept storm water flows from the City of Upland (Refer to Project Number SD-083 for the second phase of this project for the upstream conditions).

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from within the General City area and is likely to be totally within that area. The amount of any project costs not fully attributed to new development within General City area (if any) represents the percentage of proposed storm water collection lines currently needed (or a portion thereof) thus that percentage is recognized as a current deficiency and will need to be financed by sources other than DIFs.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$1,626,408	\$1,626,408
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$9,428,450	\$9,428,450
4. Contingency	\$0	\$0	\$0	\$0	\$1,414,267	\$1,414,267
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$12,469,125	\$12,469,125

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: Benson Avenue, State To I Street

SD -071

Submitting Departments: Engineering Department

Project Description:

Construct 5,400 linear feet of storm drain system along Benson Avenue from State Street to I Street, identified as BNSN-VI-1 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 15% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from within the General City area and is likely to be totally within that area. The amount of any project costs not fully attributed to new development within General City area (if any) represents the percentage of proposed storm water collection lines currently needed (or a portion thereof) thus that percentage is recognized as a current deficiency and will need to be financed by sources other than DIFs.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$514,115	\$514,115
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$2,980,375	\$2,980,375
4. Contingency	\$0	\$0	\$0	\$0	\$447,056	\$447,056
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$3,941,546	\$3,941,546

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: Mountain Avenue, Philadelphia To Phillips

SD -072

Submitting Departments: Engineering Department

Project Description:

Construct 9,600 linear feet of storm drain system along Mountain Avenue from Phillips Street to Philadelphia Street, Phillips Street from Magnolia Avenue to Palmetto Avenue, Francis Street from west of Magnolia Avenue to Palmetto Avenue and Philadelphia Street from Mountain Avenue to Palmetto, identified as MNTN-VII-1a, MNTN-VII-2, MNTN-VII-3, MNTN-VII-4, MNTN-VII-5 and MNTN-VII-7 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 15% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from within the General City area and is likely to be totally within that area. The amount of any project costs not fully attributed to new development within General City area (if any) represents the percentage of proposed storm water collection lines currently needed (or a portion thereof) thus that percentage is recognized as a current deficiency and will need to be financed by sources other than DIFs.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$979,359	\$979,359
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$5,677,450	\$5,677,450
4. Contingency	\$0	\$0	\$0	\$0	\$851,619	\$851,619
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$7,508,428	\$7,508,428

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: San Antonio Avenue, Francis To Cypress Channel
Submitting Departments: Engineering Department

SD -073

Project Description:

Construct 11,500 linear feet of storm drain system along San Antonio Avenue from Francis Street to the Cypress Channel (including the portion in the City of Chino), Philadelphia Street from Cypress Avenue to Fern Avenue, Francis Street from Cypress Avenue to San Antonio Avenue, identified as SNAN-VII-1a, SNAN-VII-2a, SNAN-VII-3 and SNAN-VII-4 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 15% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from within the General City area and is likely to be totally within that area. The amount of any project costs not fully attributed to new development within General City area (if any) represents the percentage of proposed storm water collection lines currently needed (or a portion thereof) thus that percentage is recognized as a current deficiency and will need to be financed by sources other than DIFs.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$1,695,665	\$1,695,665
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$9,829,950	\$9,829,950
4. Contingency	\$0	\$0	\$0	\$0	\$1,474,494	\$1,474,494
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$13,000,109	\$13,000,109

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: San Sevaine Channel

SD -074

Submitting Departments: Engineering Department

Project Description:

The County of San Bernardino has completed the construction of San Sevaine Channel (located east of and outside of City limits). The DIF amount represents the City's fair share cost of the project.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from within the General City area and is likely to be totally within that area. The amount of any project costs not fully attributed to new development within General City area (if any) represents the percentage of proposed storm water collection lines currently needed (or a portion thereof) thus that percentage is recognized as a current deficiency and will need to be financed by sources other than DIFs.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$1,807,410	\$1,807,410
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$1,807,410	\$1,807,410

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: Storm Drain Master Plan (P)

SD -075

Submitting Departments: Engineering Department

Project Description:

Update the General City's Storm Drain Master Plan to reflect changes to the City's General Plan, Circulation Element and development standards.

Justification / Consequences of Avoidance:

The project is required for proper storm drainage collection planning.

Relationship to General Plan Development:

Direct to new development in both the General City and Ontario Ranch portions of the City.

Allocation To General Plan Buildout: 100.00%

Reference Document:

None, staff projections.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$28,703	\$28,703
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Project Costs To Date	\$0	\$0	\$0	\$0	\$171,297	\$171,297
TOTAL COST:	\$0	\$0	\$0	\$0	\$200,000	\$200,000

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Completed on 1/13/2012

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: Project No Longer Needed

SD -076

Submitting Departments: Engineering Department

Project Description:

The project, (Clev-A4), has been completed.

Justification / Consequences of Avoidance:

The project has been left in as a place holder to maintain the previous project numbering system.

Relationship to General Plan Development:

Project is not needed.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Not applicable.

Project Timing:

Project is not needed.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$0	\$0

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Campus Avenue, State To Francis (Phase 2 Of SD-053)
Submitting Departments: Engineering Department

SD -077

Project Description:

Construct 9,500 linear feet of storm drain system along Campus Avenue from State Street to Francis Street, Monterey Avenue from Park Street to Maitland Street, Maitland Street to Campus Avenue, in Phillips Street from Campus Avenue to 700 feet west of Campus Avenue and Mission Boulevard from Cucamonga Avenue to Grove Avenue, identified as FRNS-V-1b, FRNS-V-5 through FRNS-V-7 and MISN-V-1 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 15% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost. This project is the second phase of the Storm Drainage project number SD-053.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from within the General City area and is likely to be totally within that area. The amount of any project costs not fully attributed to new development within General City area (if any) represents the percentage of proposed storm water collection lines currently needed (or a portion thereof) thus that percentage is recognized as a current deficiency and will need to be financed by sources other than DIFs.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$539,416	\$539,416
2. Land Acquistion / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$3,127,050	\$3,127,050
4. Contingency	\$0	\$0	\$0	\$0	\$469,058	\$469,058
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$4,135,524	\$4,135,524

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: Parco Avenue, Philadelphia To 60 Freeway (Phase 2 Of SD-055)

SD -078

Submitting Departments: Engineering Department

Project Description:

Construct 1,400 linear feet of storm drain system along Parco Avenue from Philadelphia Street to the 60 FWY, identified as PACO-VIII-1b in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 15% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost. This project is the second phase of the Storm Drainage project number SD-055.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from within the General City area and is likely to be totally within that area. The amount of any project costs not fully attributed to new development within General City area (if any) represents the percentage of proposed storm water collection lines currently needed (or a portion thereof) thus that percentage is recognized as a current deficiency and will need to be financed by sources other than DIFs.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$115,886	\$115,886
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$671,800	\$671,800
4. Contingency	\$0	\$0	\$0	\$0	\$100,770	\$100,770
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$888,456	\$888,456

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Grove Avenue, Francis To 60 Freeway (Phase 2 Of SD-058)
Submitting Departments: Engineering Department

SD -079

Project Description:

Construct 2,800 linear feet of storm drain system along Grove Avenue from Francis Street to the 60 FWY, identified as GROV-VIII-1b in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 15% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost. This project is the second phase of the Storm Drainage project number SD-058.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from within the General City area and is likely to be totally within that area. The amount of any project costs not fully attributed to new development within General City area (if any) represents the percentage of proposed storm water collection lines currently needed (or a portion thereof) thus that percentage is recognized as a current deficiency and will need to be financed by sources other than DIFs.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$178,952	\$178,952
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$1,037,400	\$1,037,400
4. Contingency	\$0	\$0	\$0	\$0	\$155,610	\$155,610
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$1,371,962	\$1,371,962

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Sultana Avenue, State To Phillips (Phase 2 Of SD-062)
Submitting Departments: Engineering Department

SD -080

Project Description:

Construct 7,100 linear feet of storm drain system along Sultana Avenue from State Street to Phillips Street and Mission Boulevard from Lemon Avenue to Sultana Avenue (this is the second phase of the project number SD-062), Walnut Street from 600 feet west of Sultana Avenue to Sultana Avenue, Euclid Avenue from 60 FWY to Walnut Street, Fern Avenue from 60 FWY to Walnut Street, identified as SULT-VII-1b, SULT-VII-2, WLNT-VII-1, EULD-VII-1 and FERN-VII-1 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 15% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from within the General City area and is likely to be totally within that area. The amount of any project costs not fully attributed to new development within General City area (if any) represents the percentage of proposed storm water collection lines currently needed (or a portion thereof) thus that percentage is recognized as a current deficiency and will need to be financed by sources other than DIFs.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$431,905	\$431,905
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$2,503,800	\$2,503,800
4. Contingency	\$0	\$0	\$0	\$0	\$375,571	\$375,571
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$3,311,276	\$3,311,276

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Bon View Avenue, 60 Freeway To Francis (Phase 2 Of SD-065)
Submitting Departments: Engineering Department

SD -081

Project Description:

Construct 3,200 linear foot of storm drain systems along Bon View Avenue from Francis Street to the 60 FWY, identified as BNWV-VIII-1b in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 15% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost. This project is the second phase of the Storm Drainage project number SD-065.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from within the General City area and is likely to be totally within that area. The amount of any project costs not fully attributed to new development within General City area (if any) represents the percentage of proposed storm water collection lines currently needed (or a portion thereof) thus that percentage is recognized as a current deficiency and will need to be financed by sources other than DIFs.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$202,869	\$202,869
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$1,176,050	\$1,176,050
4. Contingency	\$0	\$0	\$0	\$0	\$176,407	\$176,407
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$1,555,326	\$1,555,326

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: Cucamonga Avenue, Francis To 60 Freeway (Phase 2 Of SD-066)

SD -082

Submitting Departments: Engineering Department

Project Description:

Construct 2,500 linear feet of storm drain system along Cucamonga Avenue from Francis Street to the 60 FWY, identified as CUCA-VIII-1b in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 15% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost. This project is the second phase of the Storm Drainage project number SD-066.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from within the General City area and is likely to be totally within that area. The amount of any project costs not fully attributed to new development within General City area (if any) represents the percentage of proposed storm water collection lines currently needed (or a portion thereof) thus that percentage is recognized as a current deficiency and will need to be financed by sources other than DIFs.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$160,684	\$160,684
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$931,500	\$931,500
4. Contingency	\$0	\$0	\$0	\$0	\$139,725	\$139,725
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$1,231,909	\$1,231,909

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Mountain & Boulder, I-10 To I Street (Phase 2 Of SD-070)
Submitting Departments: Engineering Department

SD -083

Project Description:

Construct 8,400 linear feet of storm drain system along Mountain Avenue from the I-10 FWY to I Street and Boulder Avenue from Fifth Street to I Street (these are the second phase of project number Project SD-070), and G Street from Mountain Avenue to 1,010 feet east of Mountain Avenue, identified as BLDR-VI-1b, BLDR-VI-2b and G ST-VI-1 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 15% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost. This project is the second phase of the Storm Drainage project number SD-066. This project is designed to accept storm water flow from the City of Upland.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from within the General City area and is likely to be totally within that area. The amount of any project costs not fully attributed to new development within General City area (if any) represents the percentage of proposed storm water collection lines currently needed (or a portion thereof) thus that percentage is recognized as a current deficiency and will need to be financed by sources other than DIFs.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$741,530	\$741,530
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$4,298,725	\$4,298,725
4. Contingency	\$0	\$0	\$0	\$0	\$644,809	\$644,809
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$5,685,064	\$5,685,064

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Benson Avenue Laterals (Phase 2 Of SD-071)
Submitting Departments: Engineering Department

SD -084

Project Description:

Construct 10,000 linear feet of storm drain system along I Street from Elderberry Avenue to Benson Avenue, G Street from Benson Avenue to 1,710 feet east of Benson Avenue, D Street from Benson Avenue to Oaks Avenue, Stoneridge Court from Benson Avenue to Elderberry Avenue and Brooks Avenue from Benson Avenue to Oaks Avenue, identified as BNSN-VI-2 through BNSN-VI-6 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 15% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost. This project is the second phase of the Storm Drainage project number SD-071.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from within the General City area and is likely to be totally within that area. The amount of any project costs not fully attributed to new development within General City area (if any) represents the percentage of proposed storm water collection lines currently needed (or a portion thereof) thus that percentage is recognized as a current deficiency and will need to be financed by sources other than DIFs.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$553,936	\$553,936
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$3,211,225	\$3,211,225
4. Contingency	\$0	\$0	\$0	\$0	\$481,684	\$481,684
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$4,246,845	\$4,246,845

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Mountain Avenue, State To Phillips (Phase 2 Of SD-072)
Submitting Departments: Engineering Department

SD -085

Project Description:

Construct 4,300 linear feet of storm drain system along Mountain Avenue from State Street to Phillips Street (and connect to Project SD-072) and Mission Boulevard from Magnolia Avenue to Palmetto Avenue, identified as MNTN-VII-1b and MNTN-VII-6 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 15% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost. This project is the second phase of the Storm Drainage project number SD-072.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from within the General City area and is likely to be totally within that area. The amount of any project costs not fully attributed to new development within General City area (if any) represents the percentage of proposed storm water collection lines currently needed (or a portion thereof) thus that percentage is recognized as a current deficiency and will need to be financed by sources other than DIFs.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$280,377	\$280,377
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$1,625,375	\$1,625,375
4. Contingency	\$0	\$0	\$0	\$0	\$243,806	\$243,806
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$2,149,558	\$2,149,558

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: San Antonio & Phillips, Euclid To Francis (Phase2, SD-073)
Submitting Departments: Engineering Department

SD -086

Project Description:

Construct 6,700 linear feet of storm drain system along San Antonio Avenue from Philips Street to Francis Street (and connect to Project SD-073) and Phillips Street from San Antonio to Euclid Avenue, identified as SNAN-VII-1b in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 15% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost. This project is the second phase of the Storm Drainage project number SD-073.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from within the General City area and is likely to be totally within that area. The amount of any project costs not fully attributed to new development within General City area (if any) represents the percentage of proposed storm water collection lines currently needed (or a portion thereof) thus that percentage is recognized as a current deficiency and will need to be financed by sources other than DIFs.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$724,267	\$724,267
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$4,198,650	\$4,198,650
4. Contingency	\$0	\$0	\$0	\$0	\$629,798	\$629,798
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$5,552,715	\$5,552,715

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Oakland Avenue, State To Phillips (Phase 2 Of SD-074)
Submitting Departments: Engineering Department

SD -087

Project Description:

Construct 13,900 linear feet of storm drain system along Oakland Avenue from State Street to Phillips Street (and connect to SD-074), State Street from San Antonio Avenue to Vine Avenue, San Antonio Street from Holt Boulevard to State Street, Mission Boulevard from Cypress Avenue to Vine Avenue, Fern Avenue from Mission Boulevard to Phillips Street, identified as SNAN-VII-2b and SNAN-VII-5 through SNAN-VII-9 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 15% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost. This is a new project based on the Master Plan of Drainage update in March of 2012.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from within the General City area and is likely to be totally within that area. The amount of any project costs not fully attributed to new development within General City area (if any) represents the percentage of proposed storm water collection lines currently needed (or a portion thereof) thus that percentage is recognized as a current deficiency and will need to be financed by sources other than DIFs.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$906,782	\$906,782
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$5,256,708	\$5,256,708
4. Contingency	\$0	\$0	\$0	\$0	\$788,506	\$788,506
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$6,951,996	\$6,951,996

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Walker Avenue, 60 Freeway To Riverside And Lateral
Submitting Departments: Engineering Department

SD -088

Project Description:

Construct 4,100 linear feet of storm drain system along Walker Avenue from 60 FWY to Riverside Drive and Walnut Street from 620 feet west of Walker Avenue to Walker Avenue, identified as WLKR-IV-1 and WLKR-IV-2 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 15% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost. This is a new project based on the Master Plan of Drainage update in March of 2012.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from within the General City area and is likely to be totally within that area. The amount of any project costs not fully attributed to new development within General City area (if any) represents the percentage of proposed storm water collection lines currently needed (or a portion thereof) thus that percentage is recognized as a current deficiency and will need to be financed by sources other than DIFs.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$243,000	\$243,000
2. Land Acquistion / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$1,408,700	\$1,408,700
4. Contingency	\$0	\$0	\$0	\$0	\$211,306	\$211,306
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$1,863,006	\$1,863,006

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Baker Avenue And Riverside Drive, S/O 60 Freeway
Submitting Departments: Engineering Department

SD -089

Project Description:

Construct 4,200 linear feet of storm drain system along Baker Avenue from the 60 FWY to Riverside Drive and Riverside Drive from east of Vineyard Avenue to Whispering Lakes Lane, identified as BAKR-IV-1 and RVSD-IV-1 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 15% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost. This is a new project based on the Master Plan of Drainage update in March of 2012.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from within the General City area and is likely to be totally within that area. The amount of any project costs not fully attributed to new development within General City area (if any) represents the percentage of proposed storm water collection lines currently needed (or a portion thereof) thus that percentage is recognized as a current deficiency and will need to be financed by sources other than DIFs.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$343,310	\$343,310
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$1,990,200	\$1,990,200
4. Contingency (Within Construction C	\$0	\$0	\$0	\$0	\$298,530	\$298,530
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$2,632,040	\$2,632,040

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: G Street, Corona To Del Norte

SD -090

Submitting Departments: Engineering Department

Project Description:

Construct 4,000 linear feet of storm drain system along G Street from Corona Avenue to Del Norte Avenue, identified as G ST-IV-2 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 15% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost. This is a new project based on the Master Plan of Drainage update in March of 2012.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from within the General City area and is likely to be totally within that area. The amount of any project costs not fully attributed to new development within General City area (if any) represents the percentage of proposed storm water collection lines currently needed (or a portion thereof) thus that percentage is recognized as a current deficiency and will need to be financed by sources other than DIFs.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$358,791	\$358,791
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$2,079,950	\$2,079,950
4. Contingency	\$0	\$0	\$0	\$0	\$311,993	\$311,993
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$2,750,734	\$2,750,734

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Del Norte And Imperial Avenues From I Street To G Street
Submitting Departments: Engineering Department

SD -091

Project Description:

Construct 3,000 linear feet of storm drain system along Del Norte Avenue from I Street to G Street and Imperial Avenue from I Street to G Street, identified as G ST-IV-3 and G ST-IV-4 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 15% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost. This is a new project based on the Master Plan of Drainage update in March of 2012.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from within the General City area and is likely to be totally within that area. The amount of any project costs not fully attributed to new development within General City area (if any) represents the percentage of proposed storm water collection lines currently needed (or a portion thereof) thus that percentage is recognized as a current deficiency and will need to be financed by sources other than DIFs.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$158,345	\$158,345
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$917,950	\$917,950
4. Contingency	\$0	\$0	\$0	\$0	\$137,694	\$137,694
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$1,213,989	\$1,213,989

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: Vine Avenue, G Street To State

SD -092

Submitting Departments: Engineering Department

Project Description:

Construct 5,000 linear feet of storm drain system along Vine Avenue from G Street to State Street, G Street from Vine Avenue to 350 feet east of Vine Avenue, Flora Street from 450 feet west of Vine Avenue to Vine Avenue, Laurel Avenue from B Street to Holt Boulevard and G Street from Euclid Avenue to Lemon Avenue, identified as VINE-V-1a, VINE-V-2, VINE-V-3, LARL-V-1 and EULC-V-1 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 15% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost. This is a new project based on the Master Plan of Drainage update in March of 2012.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from within the General City area and is likely to be totally within that area. The amount of any project costs not fully attributed to new development within General City area (if any) represents the percentage of proposed storm water collection lines currently needed (or a portion thereof) thus that percentage is recognized as a current deficiency and will need to be financed by sources other than DIFs.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$472,675	\$472,675
2. Land Acquistion / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$2,740,150	\$2,740,150
4. Contingency	\$0	\$0	\$0	\$0	\$411,023	\$411,023
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$3,623,848	\$3,623,848

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: Vine Avenue, Sixth To G Street

SD -093

Submitting Departments: Engineering Department

Project Description:

Construct 6,600 linear feet of storm drain system along Vine Avenue from Sixth Street to G Street and J Street from San Antonio Avenue to Vine Avenue, identified as VINE-V-1b and VINE-V-4 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 15% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost. This is a new project based on the Master Plan of Drainage update in March of 2012

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from within the General City area and is likely to be totally within that area. The amount of any project costs not fully attributed to new development within General City area (if any) represents the percentage of proposed storm water collection lines currently needed (or a portion thereof) thus that percentage is recognized as a current deficiency and will need to be financed by sources other than DIFs.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$496,740	\$496,740
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$2,879,650	\$2,879,650
4. Contingency	\$0	\$0	\$0	\$0	\$431,947	\$431,947
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$3,808,337	\$3,808,337

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: Sultana Avenue, Fifth To Holt

SD -094

Submitting Departments: Engineering Department

Project Description:

Construct 10,300 linear feet of storm drain system along Sultana Avenue from Fifth Street to Holt Boulevard, J Street from Euclid Avenue to Sultana Avenue and Melrose Avenue from Holt Boulevard to Emporia Street, identified as SULT-V-1, SULT-V-2 and MTRY-V-1 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 15% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost. This is a new project based on the Master Plan of Drainage update in March of 2012.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from within the General City area and is likely to be totally within that area. The amount of any project costs not fully attributed to new development within General City area (if any) represents the percentage of proposed storm water collection lines currently needed (or a portion thereof) thus that percentage is recognized as a current deficiency and will need to be financed by sources other than DIFs.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$849,170	\$849,170
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$4,922,725	\$4,922,725
4. Contingency	\$0	\$0	\$0	\$0	\$738,409	\$738,409
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$6,510,304	\$6,510,304

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: Benson Avenue And Laterals

SD -095

Submitting Departments: Engineering Department

Project Description:

Construct 5,300 linear feet of storm drain system along Benson Avenue from I-10 FWY to Sixth Street, Sixth Street from Benson Avenue to Fuchsia Avenue, Fifth Street from Benson Avenue to Helen Avenue and Fourth Street from Benson Avenue to Oaks Avenue, identified as 4 TH-VI-1 through 4 TH-VI-4 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 15% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost. This is a new project based on the Master Plan of Drainage update in March of 2012.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from within the General City area and is likely to be totally within that area. The amount of any project costs not fully attributed to new development within General City area (if any) represents the percentage of proposed storm water collection lines currently needed (or a portion thereof) thus that percentage is recognized as a current deficiency and will need to be financed by sources other than DIFs.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$285,108	\$285,108
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$1,652,800	\$1,652,800
4. Contingency	\$0	\$0	\$0	\$0	\$247,920	\$247,920
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$2,185,828	\$2,185,828

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: Benson Avenue, Francis To Philadelphia

SD -096

Submitting Departments: Engineering Department

Project Description:

Construct 5,100 linear feet of storm drain system along Benson Avenue from Francis Street to Philadelphia Street, Francis Street from Benson Avenue to Oaks Avenue and Oaks Avenue from Philadelphia to 60 FWY, identified as Facilities BNSN-IX-1 and OAKS-IX-1 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 15% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost. This is a new project based on the Master Plan of Drainage update in March of 2012.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from within the General City area and is likely to be totally within that area. The amount of any project costs not fully attributed to new development within General City area (if any) represents the percentage of proposed storm water collection lines currently needed (or a portion thereof) thus that percentage is recognized as a current deficiency and will need to be financed by sources other than DIFs.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$378,465	\$378,465
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$2,194,000	\$2,194,000
4. Contingency	\$0	\$0	\$0	\$0	\$329,100	\$329,100
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$2,901,565	\$2,901,565

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Mission, Benson, Phillips & Oaks, W/O Magnolia
Submitting Departments: Engineering Department

SD -097

Project Description:

Construct 8,200 linear feet of storm drain system along Mission Boulevard from Magnolia Avenue to Benson Avenue, Benson Avenue from Mission Boulevard to Phillips Street, Phillips Street from Oaks Avenue to Benson Avenue and Oaks Avenue from Clair Street to Phillips Street, identified as FLPS-IX-1 and FLPS-IX-2 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 15% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost. This is a new project based on the Master Plan of Drainage update in March of 2012.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from within the General City area and is likely to be totally within that area. The amount of any project costs not fully attributed to new development within General City area (if any) represents the percentage of proposed storm water collection lines currently needed (or a portion thereof) thus that percentage is recognized as a current deficiency and will need to be financed by sources other than DIFs.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$607,653	\$607,653
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$3,522,625	\$3,522,625
4. Contingency (Within Construction C	\$0	\$0	\$0	\$0	\$528,394	\$528,394
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$4,658,672	\$4,658,672

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Holt Boulevard, Convention Center To Cucamonga Channel
Submitting Departments: Engineering Department

SD -098

Project Description:

Construct 2,000 linear feet of storm drain system along Holt Boulevard from Convention Center Way to Cucamonga Channel and Convention Center Way from Dearborn Court to Holt Boulevard, identified as HOLT-IV-1 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 15% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost. This is a new project based on the Master Plan of Drainage update in March of 2012.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from within the General City area and is likely to be totally within that area. The amount of any project costs not fully attributed to new development within General City area (if any) represents the percentage of proposed storm water collection lines currently needed (or a portion thereof) thus that percentage is recognized as a current deficiency and will need to be financed by sources other than DIFs.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$140,898	\$140,898
2. Land Acquistion / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$816,800	\$816,800
4. Contingency	\$0	\$0	\$0	\$0	\$122,520	\$122,520
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$1,080,218	\$1,080,218

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: Mission Boulevard, Proforma To Turner

SD -099

Submitting Departments: Engineering Department

Project Description:

Construct 1,400 linear feet of storm drain system along Mission Boulevard from Proforma Avenue to Turner Avenue, identified as MISN-III-1 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 15% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost. This is a new project based on the Master Plan of Drainage update in March of 2012.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from within the General City area and is likely to be totally within that area. The amount of any project costs not fully attributed to new development within General City area (if any) represents the percentage of proposed storm water collection lines currently needed (or a portion thereof) thus that percentage is recognized as a current deficiency and will need to be financed by sources other than DIFs.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$130,625	\$130,625
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$757,251	\$757,251
4. Contingency	\$0	\$0	\$0	\$0	\$113,588	\$113,588
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$1,001,464	\$1,001,464

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: 6th Street, West Cucamonga Channel To Grove
Submitting Departments: Engineering Department

SD -100

Project Description:

Construct 1,100 linear feet of storm drain system along Sixth Street from West Cucamonga Creek Channel to Grove Avenue, identified as 6 TH-V-1 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 15% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost. This is a new project based on the Master Plan of Drainage update in March of 2012.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from within the General City area and is likely to be totally within that area. The amount of any project costs not fully attributed to new development within General City area (if any) represents the percentage of proposed storm water collection lines currently needed (or a portion thereof) thus that percentage is recognized as a current deficiency and will need to be financed by sources other than DIFs.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$68,690	\$68,690
2. Land Acquistion / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$398,200	\$398,200
4. Contingency	\$0	\$0	\$0	\$0	\$59,730	\$59,730
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$526,620	\$526,620

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Archibald Avenue, Inland Empire To Airport Drive
Submitting Departments: Engineering Department

SD -101

Project Description:

Construct 3,100 linear feet of storm drain system inland Empire Boulevard from 440 feet west of Archibald Avenue to Archibald Avenue, in private property from Inland Empire Boulevard to I-10 FWY, in private property from I-10 FWY to south of Airport Drive, identified as ARCH-IV-1 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 15% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost. This is a new project based on the Master Plan of Drainage update in March of 2012.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from within the General City area and is likely to be totally within that area. The amount of any project costs not fully attributed to new development within General City area (if any) represents the percentage of proposed storm water collection lines currently needed (or a portion thereof) thus that percentage is recognized as a current deficiency and will need to be financed by sources other than DIFs.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$282,840	\$282,840
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$1,639,650	\$1,639,650
4. Contingency	\$0	\$0	\$0	\$0	\$245,947	\$245,947
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$2,168,437	\$2,168,437

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Fifth Street, Balboa To Cucamonga Channel
Submitting Departments: Engineering Department

SD -102

Project Description:

Construct 2,400 linear foot of storm drain system along Fifth Street from Balboa Way to Cucamonga Channel, identified as 5 TH-IV-1 in the City of Ontario Master Plan of Drainage (March 2012). Contingency is included at 15% of the estimated construction cost. Project Administration consisting of engineering, construction management and contract administration is included at 15% of the combined construction/contingency cost. This is a new project based on the Master Plan of Drainage update in March of 2012.

Justification / Consequences of Avoidance:

These drainage improvements are needed to provide efficient and timely storm water removal. Storm water will increase in amounts proportional to the percentage of development on an acre due to the decrease in the amount of pervious (i.e. dirt/turf) surface available for infiltration. The cumulative amount of development will create significant amounts of storm water run-off that must be dealt with safely and quickly. Potential flooding of major and secondary arterials including most residential and business areas may occur as development continues to increase the City's overall percentage of impervious surface (i.e. buildings, parking lots, streets, etc.). Additionally, emergency vehicle response maybe impacted due to unmitigated flooding conditions.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from within the General City area and is likely to be totally within that area. The amount of any project costs not fully attributed to new development within General City area (if any) represents the percentage of proposed storm water collection lines currently needed (or a portion thereof) thus that percentage is recognized as a current deficiency and will need to be financed by sources other than DIFs.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$179,078	\$179,078
2. Land Acquistion / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$1,038,125	\$1,038,125
4. Contingency	\$0	\$0	\$0	\$0	\$155,717	\$155,717
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$1,372,920	\$1,372,920

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: Share Of Common City Yard Improvements

SD -103

Submitting Departments: Engineering Department

Project Description:

Construct the following improvements: 1) Reconfigure some 60,000 square feet of a recently acquired warehouse and office space. 2) Pave approximately ten acres of currently dirt parking lot, primarily for the refuse operation refueling area. 3) Construct additional fleet maintenance operations bays. 4) Construct a new welding shop. 5) Increase security through additional fencing and lighting. 6) Construct additional CNG fueling stations and 7) reconfigure a recently acquired 24,000 square foot building into covered parking to maximize fleet lifetime. The combined improvements have a total projected cost of \$38.2 million and are spread between all City operations that make use of the City yard.

Justification / Consequences of Avoidance:

This amount represents the proportional amount of a total estimated \$38.2 million in structural improvements to the City maintenance yard necessary to meet the increasing demands for greater storm drainage collection system maintenance capacity. The City has acquired adequate land and has existing structural capacity for the various maintenance demands. This demand for additional structural capacity results from the doubling of all public infrastructure from the Ontario Ranch area and remaining portions of General City area.

Relationship to General Plan Development:

The project benefits both existing and future development within the General City and Ontario Ranch areas.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This May, 2012 cost estimate has not been increased but will be addressed in any future major update of the City's Development Impact Fee Schedule

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$226,886	\$226,886
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$1,375,067	\$1,375,067
4. Contingency (Within Construction C	\$0	\$0	\$0	\$0	\$137,507	\$137,507
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$1,739,460	\$1,739,460

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities
Project Title / Ref#: Ontario Ranch Storm Drain Design Studies
Submitting Departments: Engineering Department

SD -104

Project Description:

Recovery of costs incurred by the New Model Colony Construction group expended on behalf of all other developments. The Master Plan studies include: 1. Cucamonga Creek Drain Concept Development Studies and 2. Storm water Quality Management Guidance Plan. (Added 09/14, report reimbursements).

Justification / Consequences of Avoidance:

The studies were necessary to develop infrastructure requirements that define and benefit all development in the Ontario Ranch area.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from the Ontario Ranch area and is likely benefits all parcels within that area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Ontario Ranch (formerly NMC) Construction Agreement.

Project Timing:

2019 Update - The storm drain design studies have been completed and the actual costs is shown and will not be increased over time.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Studies	\$0	\$0	\$0	\$0	\$813,062	\$813,062
TOTAL COST:	\$0	\$0	\$0	\$0	\$813,062	\$813,062

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Storm Drainage Collection System Facilities

Project Title / Ref#: Ontario Ranch Storm Drain Study

SD -105

Submitting Departments: Engineering Department

Project Description:

Conduct a hydrology and hydraulics study for the Ontario Ranch area.

Justification / Consequences of Avoidance:

The study is necessary to develop infrastructure that define and benefit all development in the Ontario Ranch area.

Relationship to General Plan Development:

The project is related to the collection and removal of storm water from the Ontario Ranch area and benefits all parcels within that area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Master Plan of Storm Drainage, March 2012.

Project Timing:

2019 Update - This is a new project.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Studies	\$0	\$0	\$0	\$0	\$1,000,000	\$1,000,000
TOTAL COST:	\$0	\$0	\$0	\$0	\$1,000,000	\$1,000,000

Water Source, Storage and Distribution System

CITY OF ONTARIO, CALIFORNIA
Master Facilities Plan - All Plan Areas
Water Source, Storage And Distribution System
MFP 2018-19 Update

	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Project Build Out Total
WT-001	\$0	\$0	\$0	\$0	\$764,470	\$764,470
WT-002	\$0	\$0	\$0	\$0	\$8,762,663	\$8,762,663
WT-003	\$0	\$0	\$0	\$0	\$0	\$0
WT-004	\$0	\$0	\$0	\$0	\$36,642,539	\$36,642,539
WT-005	\$0	\$0	\$0	\$0	\$6,400,000	\$6,400,000
WT-006	\$0	\$0	\$0	\$0	\$29,242,752	\$29,242,752
WT-007	\$0	\$0	\$0	\$0	\$33,924,835	\$33,924,835
WT-008	\$0	\$0	\$0	\$0	\$6,647,387	\$6,647,387
WT-009	\$0	\$0	\$0	\$0	\$22,882,247	\$22,882,247
WT-010	\$0	\$0	\$0	\$0	\$35,524,302	\$35,524,302
WT-011	\$0	\$0	\$0	\$0	\$40,033,253	\$40,033,253
WT-012	\$0	\$0	\$0	\$0	\$11,511,287	\$11,511,287
WT-013	\$0	\$0	\$0	\$0	\$1,778,766	\$1,778,766
WT-014	\$0	\$0	\$0	\$0	\$62,024,039	\$62,024,039
WT-015	\$0	\$0	\$0	\$0	\$9,327,338	\$9,327,338
WT-016	\$0	\$0	\$0	\$0	\$73,065,670	\$73,065,670
WT-017	\$0	\$0	\$0	\$0	\$3,527,013	\$3,527,013
WT-018	\$0	\$0	\$0	\$0	\$242,730	\$242,730
WT-019	\$0	\$0	\$0	\$0	\$0	\$0
WT-020	\$0	\$0	\$0	\$0	\$0	\$0

CITY OF ONTARIO, CALIFORNIA
Master Facilities Plan - All Plan Areas
Water Source, Storage And Distribution System
MFP 2018-19 Update

		FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	Project Build Out Total
WT-021	Water System Pressure, Size And Age Improvements	\$0	\$0	\$0	\$0	\$140836,512	\$140836,512
WT-022	Miscellaneous Up-Sized Facilities	\$0	\$0	\$0	\$0	\$5,925,291	\$5,925,291
WT-023	Abandon Existing General City Wells	\$0	\$0	\$0	\$0	\$506,000	\$506,000
WT-024	Project No Longer Needed	\$0	\$0	\$0	\$0	\$0	\$0
WT-025	Decommission Galvin Treatment Plan/Abandon 1212-3 Reservoir	\$0	\$0	\$0	\$0	\$2,384,525	\$2,384,525
WT-026	Seismic Upgrades And Replacements	\$0	\$0	\$0	\$0	\$13,426,715	\$13,426,715
WT-027	Water Master Plan Updates	\$0	\$0	\$0	\$0	\$1,596,376	\$1,596,376
WT-028	Water System Maintenance Vehicle/Equipment Fleet	\$0	\$0	\$0	\$0	\$1,297,912	\$1,297,912
WT-029	Project No Longer Needed	\$0	\$0	\$0	\$0	\$0	\$0
WT-030	CDA Facility Modifications (Booster Station & Pipeline)	\$0	\$0	\$0	\$0	\$2,797,348	\$2,797,348
WT-031	JCSD/Ontario Reservoir (Phillips Street 1010' Zone)	\$0	\$0	\$0	\$0	\$1,078,186	\$1,078,186
WT-032	Water Treatment	\$0	\$0	\$0	\$0	\$26,716,450	\$26,716,450
WT-033	Phillips Street 1010' Zone Well Connection System	\$0	\$0	\$0	\$0	\$5,039,874	\$5,039,874
WT-034	Water Source Supply	\$0	\$0	\$0	\$0	\$62,549,323	\$62,549,323
WT-035	General System Reliability Improvements	\$0	\$0	\$0	\$0	\$1,796,300	\$1,796,300
WT-036	Fourth Street 1074' Zone Transmission Improvements	\$0	\$0	\$0	\$0	\$2,858,784	\$2,858,784
WT-037	Share Of Common City Yard Improvements	\$0	\$0	\$0	\$0	\$9,472,959	\$9,472,959
WT-038	Ontario Ranch Water/Recycled Water Design Studies	\$0	\$0	\$0	\$0	\$24,302	\$24,302

CITY OF ONTARIO, CALIFORNIA
Master Facilities Plan - All Plan Areas
Water Source, Storage And Distribution System
MFP 2018-19 Update

	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Project Build Out Total
TOTALS	\$0	\$0	\$0	\$0	\$660,608,148	\$660,608,148

Notes:
 1) If project timing is not a component of this effort, then all projects default to their "Thru Build Out" amount.

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Water Source, Storage And Distribution System

Project Title / Ref#: Phillips Street 1010' Zone Well

WT -001

Submitting Departments: City Of Ontario Municipal Utilities Company

Project Description:

Construction of Well #39 and appurtenant piping for the Phillips Street Pressure zone. Contingency costs are included at 10% of the estimated construction cost. Administration, engineering and construction management are included at 15% of the combined construction/contingency cost

Justification / Consequences of Avoidance:

The project is required to provide adequate well pumping capacity for future additional residents and businesses.

Relationship to General Plan Development:

The project 100% benefits new development in the General City area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Water Master Plan, August 2000

Project Timing:

The project is constructed. 2019 Update - The project is completed thus the actual cost is not subject to any cost amendment.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$764,470	\$764,470
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$764,470	\$764,470

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Water Source, Storage And Distribution System

Project Title / Ref#: Eighth Street 1212' Zone Wells

WT -002

Submitting Departments: City Of Ontario Municipal Utilities Company

Project Description:

Construction of wells #40, #42 and #43 to produce 2,500 GPM each and appurtenant piping for the Eighth Street Pressure zone. Contingency costs are included at 10% of the estimated construction cost. Administration, engineering and construction management are included at 15% of the combined construction/contingency cost

Justification / Consequences of Avoidance:

The project is required to provide adequate well pumping capacity for future additional residents and businesses.

Relationship to General Plan Development:

The project benefits new development in Ontario Ranch (37.89%) and the General City area (62.11%).

Allocation To General Plan Buildout: 100.00%

Reference Document:

Water Master Plan, April 2012.

Project Timing:

Well #40 was constructed in 2004; preliminary work and drilling of well #43 had been completed. remainder of project timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update: The project was re-estimated.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$1,142,956	\$1,142,956
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$6,927,006	\$6,927,006
4. Contingency	\$0	\$0	\$0	\$0	\$692,701	\$692,701
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$8,762,663	\$8,762,663

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Water Source, Storage And Distribution System

Project Title / Ref#: Project No Longer Needed

WT -003

Submitting Departments: City Of Ontario Municipal Utilities Company

Project Description:

The project had been identified as "San Antonio Water Shares" but has been incorporated into WT-034 Water Source Supply.

Justification / Consequences of Avoidance:

The project has been left in as a place holder to maintain the previous project numbering system.

Relationship to General Plan Development:

The project is no longer needed.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Not applicable.

Project Timing:

The project is no longer needed.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$0	\$0

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Water Source, Storage And Distribution System

Project Title / Ref#: Eighth Street 1212' Zone Transmission Lines

WT -004

Submitting Departments: City Of Ontario Municipal Utilities Company

Project Description:

Construct 73,800 linear feet of 18-inch to 30-inch transmission main from the Eighth Street 1212' Pressure Zone Reservoir. Contingency costs are included at 10% of the estimated construction cost. Administration, engineering and construction management are included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

The project is required to provide adequate and timely water transmission for future additional residents and businesses.

Relationship to General Plan Development:

The project benefits new development in the General City 85.27% and existing water users (14.73%).

Allocation To General Plan Buildout: 85.27%

Reference Document:

Water Master Plan, April 2012.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - The project was re-estimated.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$4,779,462	\$4,779,462
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$28,966,434	\$28,966,434
4. Contingency	\$0	\$0	\$0	\$0	\$2,896,643	\$2,896,643
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$36,642,539	\$36,642,539

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Water Source, Storage And Distribution System
Project Title / Ref#: Eighth Street 1212' Zone Reservoir Site Purchase
Submitting Departments: City Of Ontario Municipal Utilities Company

WT -005

Project Description:

Purchase land near the intersection of Rochester Avenue and Foothill Boulevard in the City of Rancho Cucamonga.

Justification / Consequences of Avoidance:

The project is required to provide adequate and timely water storage for future additional residents and businesses.

Relationship to General Plan Development:

The project benefits new development in the General City 75% and existing water users (25%).

Allocation To General Plan Buildout: 75.00%

Reference Document:

Water Master Plan, April 2012.

Project Timing:

The parcel has been purchased. 2019 Update - The project is completed thus the actual cost is not subject to any cost amendment.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$6,400,000	\$6,400,000
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$6,400,000	\$6,400,000

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Water Source, Storage And Distribution System
Project Title / Ref#: Eighth Street 1212' Zone Reservoir Construction
Submitting Departments: City Of Ontario Municipal Utilities Company

WT -006

Project Description:

Construct Reservoirs 1212-4A and 1212-4B (16.0 MG total) near the intersection of Rochester Avenue and Foothill Boulevard in the City of Rancho Cucamonga. Contingency costs are included at 10% of the estimated construction cost. Administration, engineering and construction management are included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

The project is required to provide adequate and timely water storage for future additional residents and businesses.

Relationship to General Plan Development:

The project benefits new development in the General City 75% and existing water users (25%).

Allocation To General Plan Buildout: 75.00%

Reference Document:

Water Master Plan, April 2012.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update: The project was re-estimated.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$3,814,272	\$3,814,272
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$23,116,800	\$23,116,800
4. Contingency	\$0	\$0	\$0	\$0	\$2,311,680	\$2,311,680
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$29,242,752	\$29,242,752

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Water Source, Storage And Distribution System

Project Title / Ref#: Francis Street 925' Wells

WT -007

Submitting Departments: City Of Ontario Municipal Utilities Company

Project Description:

Construct seven new wells (to be combined with existing well (#49) and appurtenant piping for the Francis Street Pressure zone. Contingency costs are included at 10% of the estimated construction cost. Administration, engineering and construction management are included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

The project is required to provide adequate well pumping capacity for future additional residents and businesses.

Relationship to General Plan Development:

The project benefits new development in the Ontario Ranch (100.00%).

Allocation To General Plan Buildout: 100.00%

Reference Document:

Water Master Plan, April 2012.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - The project was re-estimated.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$4,050,257	\$4,050,257
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$24,547,017	\$24,547,017
4. Contingency	\$0	\$0	\$0	\$0	\$2,454,702	\$2,454,702
5. Costs To Date	\$0	\$0	\$0	\$0	\$2,872,859	\$2,872,859
TOTAL COST:	\$0	\$0	\$0	\$0	\$33,924,835	\$33,924,835

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Water Source, Storage And Distribution System

Project Title / Ref#: Phillips Street 1010' Zone Wells

WT -008

Submitting Departments: City Of Ontario Municipal Utilities Company

Project Description:

This project includes the actual cost of a single well (#50) and appurtenant piping of the Phillips Street Pressure zone and also includes the cost for construction of a proposed treatment alternative and distribution pipelines to address water quality issues.

Justification / Consequences of Avoidance:

The project is required to provide adequate well pumping capacity for future additional residents and businesses.

Relationship to General Plan Development:

The project benefits new development in the Ontario Ranch 100.00%.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Water Master Plan, April 2012.

Project Timing:

2019 Update - The project was re-estimated.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$511,500	\$511,500
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$3,100,000	\$3,100,000
4. Contingency	\$0	\$0	\$0	\$0	\$310,000	\$310,000
5. Costs To Date	\$0	\$0	\$0	\$0	\$2,725,887	\$2,725,887
TOTAL COST:	\$0	\$0	\$0	\$0	\$6,647,387	\$6,647,387

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Water Source, Storage And Distribution System

Project Title / Ref#: Phillips Street 1010' Zone Mains Extension

WT -009

Submitting Departments: City Of Ontario Municipal Utilities Company

Project Description:

Construct 67,121 linear feet of transmission and distribution mains from the reservoir at Milliken Avenue and I-10 to the Phillips Street Zone in Ontario Ranch. The project will consist of 8" to 24" water mains within the original and expanded 1010' Zone. Contingency costs are included at 10% of the estimated construction cost. Administration, engineering and construction management are included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

The project is required to provide adequate and timely water transmission for future additional residents and businesses.

Relationship to General Plan Development:

The project benefits new development and future water users in the Ontario Ranch area (84.93%), General City (6.22%) and existing water users (8.85%).

Allocation To General Plan Buildout: 91.15%

Reference Document:

Water Master Plan, April 2012.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - The project was re-estimated.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$2,832,057	\$2,832,057
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$17,163,980	\$17,163,980
4. Contingency	\$0	\$0	\$0	\$0	\$1,716,398	\$1,716,398
5. Costs To Date	\$0	\$0	\$0	\$0	\$1,169,812	\$1,169,812
TOTAL COST:	\$0	\$0	\$0	\$0	\$22,882,247	\$22,882,247

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Water Source, Storage And Distribution System

Project Title / Ref#: Francis Street 925' Zone Transmission Mains

WT -010

Submitting Departments: City Of Ontario Municipal Utilities Company

Project Description:

Construct 61,000 linear feet of 24-inch to 42-inch transmission mains within the Francis Street 925' Pressure Zone. Contingency costs are included at 10% of the estimated construction cost. Administration, engineering and construction management are included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

The project is required to provide adequate and timely water transmission for future additional residents and businesses within the 925' Zone of the Ontario Ranch area.

Relationship to General Plan Development:

The project fully benefits new development and future water users in the Ontario Ranch area (100%).

Allocation To General Plan Buildout: 100.00%

Reference Document:

Water Master Plan, April 2012.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update -The project was re-estimated.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$2,144,604	\$2,144,604
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$12,997,605	\$12,997,605
4. Contingency	\$0	\$0	\$0	\$0	\$1,299,761	\$1,299,761
5. Costs To Date	\$0	\$0	\$0	\$0	\$19,082,332	\$19,082,332
TOTAL COST:	\$0	\$0	\$0	\$0	\$35,524,302	\$35,524,302

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Water Source, Storage And Distribution System

Project Title / Ref#: Francis Street 925' Zone Distribution Mains

WT -011

Submitting Departments: City Of Ontario Municipal Utilities Company

Project Description:

Construct 200,200 linear feet of 12-inch to 21-inch distribution mains of the Ontario Ranch back-bone distribution mains of the 925' Zone. Contingency costs are included at 10% of the estimated construction cost. Administration, engineering and construction management are included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

The project is required to provide adequate and timely water transmission for future additional residents and businesses within the 925' Zone of the Ontario Ranch area.

Relationship to General Plan Development:

The project fully benefits new development and future water users in the Ontario Ranch area (100%).

Allocation To General Plan Buildout: 100.00%

Reference Document:

Water Master Plan, April 2012.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - The project was re-estimated.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$4,685,727	\$4,685,727
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$28,398,343	\$28,398,343
4. Contingency	\$0	\$0	\$0	\$0	\$2,839,834	\$2,839,834
5. Cost To Date	\$0	\$0	\$0	\$0	\$4,109,349	\$4,109,349
TOTAL COST:	\$0	\$0	\$0	\$0	\$40,033,253	\$40,033,253

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Water Source, Storage And Distribution System
Project Title / Ref#: Francis Street 925' Zone Well Collection System
Submitting Departments: City Of Ontario Municipal Utilities Company

WT -012

Project Description:

The project consists of constructing 21,450 linear feet of 18-inch to 24-inch well collection mains. Contingency costs are included at 10% of the estimated construction cost. Administration, engineering and construction management are included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

The project is required to provide adequate and timely water transmission for future additional residents and businesses within the Ontario Ranch area.

Relationship to General Plan Development:

The project fully benefits new development and future water users in the Ontario Ranch area (100%).

Allocation To General Plan Buildout: 100.00%

Reference Document:

Water Master Plan, April 2012.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - The project was re-estimated resulting in a 94.7% increase.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$1,501,472	\$1,501,472
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$9,099,832	\$9,099,832
4. Contingency	\$0	\$0	\$0	\$0	\$909,983	\$909,983
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$11,511,287	\$11,511,287

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Water Source, Storage And Distribution System
Project Title / Ref#: Pressure Reducing Station, Potable Water System (1010'-925')
Submitting Departments: City Of Ontario Municipal Utilities Company

WT -013

Project Description:

Construct three (3) pressure reducing stations in the Phillips Street Zone to the Francis Street Zone. Contingency costs are included at 10% of the estimated construction cost. Administration, engineering and construction management are included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

The project is required to provide adequate and timely water transmission for future additional residents and businesses within the Ontario Ranch area.

Relationship to General Plan Development:

The project fully benefits new development and future water users in Ontario Ranch (100%).

Allocation To General Plan Buildout: 100.00%

Reference Document:

Water Master Plan, April 2012.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - The project was re-estimated.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$112,243	\$112,243
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$680,260	\$680,260
4. Contingency	\$0	\$0	\$0	\$0	\$68,026	\$68,026
5. Costs To Date	\$0	\$0	\$0	\$0	\$918,237	\$918,237
TOTAL COST:	\$0	\$0	\$0	\$0	\$1,778,766	\$1,778,766

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail MFP 2018-19 Update

Infrastructure: Water Source, Storage And Distribution System

Project Title / Ref#: Francis Street 925' Zone Reservoirs

WT -014

Submitting Departments: City Of Ontario Municipal Utilities Company

Project Description:

Construct two 9MG reservoirs (925-1A and 925-1B) and two 6 MG reservoirs 925-2A and 925-2B). Reservoir 925-2A (6MG is constructed and included at actual final cost.

Justification / Consequences of Avoidance:

The project is required to provide adequate and timely water storage for future additional residents and businesses.

Relationship to General Plan Development:

The project fully benefits new development in the Ontario Ranch area (100%).

Allocation To General Plan Buildout: 100.00%

Reference Document:

Water Master Plan, April 2012.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - The project was re-estimated..

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$6,177,930	\$6,177,930
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$37,441,998	\$37,441,998
4. Contingency	\$0	\$0	\$0	\$0	\$3,744,200	\$3,744,200
5. Costs To Date	\$0	\$0	\$0	\$0	\$14,659,911	\$14,659,911
TOTAL COST:	\$0	\$0	\$0	\$0	\$62,024,039	\$62,024,039

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Water Source, Storage And Distribution System

Project Title / Ref#: Phillips Street 1010' Zone Reservoirs

WT -015

Submitting Departments: City Of Ontario Municipal Utilities Company

Project Description:

The project represents the actual costs of the 1010-2B at 9MG reservoir.

Justification / Consequences of Avoidance:

The project is required to provide adequate and timely water transmission for future additional residents and businesses.

Relationship to General Plan Development:

The project fully benefits new development and future water users in the Ontario Ranch area (100%).

Allocation To General Plan Buildout: 100.00%

Reference Document:

Water Master Plan, April 2012.

Project Timing:

The project has been constructed. 2019 Update - The project is completed thus the actual cost is not subject to any cost amendment.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Actual Project Costs	\$0	\$0	\$0	\$0	\$9,327,338	\$9,327,338
TOTAL COST:	\$0	\$0	\$0	\$0	\$9,327,338	\$9,327,338

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Water Source, Storage And Distribution System

Project Title / Ref#: Recycled Water System

WT -016

Submitting Departments: City Of Ontario Municipal Utilities Company

Project Description:

The project consists of constructing 38,950 linear feet of 8-inch to 12-inch mains in the General City and 302,250 linear feet of 8-inch to 36-inch mains and four pressure reducing stations in Ontario Ranch to distribute recycled water primarily for landscaping and irrigation purposes. Contingency costs are included at 10% of the estimated construction cost. Administration, engineering and construction management are included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

The project is required to provide adequate and timely recycled water transmission and distribution for future additional residents and businesses and would increase the availability of potable water sources for domestic purposes.

Relationship to General Plan Development:

The project benefits new development and future water users in the Ontario Ranch area (88.06%) and the General City area (11.94%).

Allocation To General Plan Buildout: 100.00%

Reference Document:

Recycled Water Master Plan, April 2012.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - The project was re-estimated resulting in a 28.7% increase.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$7,968,068	\$7,968,068
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$48,291,326	\$48,291,326
4. Contingency	\$0	\$0	\$0	\$0	\$4,829,133	\$4,829,133
5. Costs To Date	\$0	\$0	\$0	\$0	\$11,977,143	\$11,977,143
TOTAL COST:	\$0	\$0	\$0	\$0	\$73,065,670	\$73,065,670

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Water Source, Storage And Distribution System

Project Title / Ref#: Back-Up Power Supply

WT -017

Submitting Departments: City Of Ontario Municipal Utilities Company

Project Description:

Acquire and install back-up engine generator units to insure a continuous flow of water well pumping in case of a commercial power shortage. Plans include converting twenty wells to allow for back-up power and for eight portable generators. The cost of the two wells already converted has been included at identified costs. Contingency costs are included at 10% of the estimated construction cost. Administration, engineering and construction management are included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

The project is required to provide adequate and timely water transmission for future additional residents and businesses.

Relationship to General Plan Development:

The project benefits new development and future water users in the Ontario Ranch area (28.27%) and the General City area (7.17%) and existing water users (64.56%).

Allocation To General Plan Buildout: 35.44%

Reference Document:

Water Master Plan, April 2012.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - The project was re-estimated resulting in a 15.1% increase.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$440,869	\$440,869
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$2,671,937	\$2,671,937
4. Contingency	\$0	\$0	\$0	\$0	\$267,194	\$267,194
5. Costs To Date	\$0	\$0	\$0	\$0	\$147,013	\$147,013
TOTAL COST:	\$0	\$0	\$0	\$0	\$3,527,013	\$3,527,013

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Water Source, Storage And Distribution System
Project Title / Ref#: Reservoir 1010' (2B) Landscaping
Submitting Departments: City Of Ontario Municipal Utilities Company
Project Description:
Landscape the 2B reservoir.

WT -018

Justification / Consequences of Avoidance:

The project is a component of WT-015.

Relationship to General Plan Development:

The project fully benefits new development in the General City area (100.00%).

Allocation To General Plan Buildout: 100.00%

Reference Document:

Water and Recycled Water Master Plan, May 2006.

Project Timing:

This project has been constructed. 2019 Update - The project is completed thus the actual cost is not subject to any cost amendment.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Actual Project Costs	\$0	\$0	\$0	\$0	\$242,730	\$242,730
TOTAL COST:	\$0	\$0	\$0	\$0	\$242,730	\$242,730

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Water Source, Storage And Distribution System

Project Title / Ref#: Project No Longer Needed

WT -019

Submitting Departments: City Of Ontario Municipal Utilities Company

Project Description:

The project has previously been included in the DIF Report as Additional Recycled Water Service, but is now included in WT-016.

Justification / Consequences of Avoidance:

The project has been left in as a place holder to maintain the previous project numbering system.

Relationship to General Plan Development:

The project is no longer needed.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Not applicable.

Project Timing:

The project is not needed.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$0	\$0

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Water Source, Storage And Distribution System

Project Title / Ref#: Project No Longer Needed

WT -020

Submitting Departments: City Of Ontario Municipal Utilities Company

Project Description:

The project has previously been included in the DIF Report as Engine Generator Units (6) but is now included in WT-017.

Justification / Consequences of Avoidance:

The project has been left in as a place holder to maintain the previous project numbering system.

Relationship to General Plan Development:

The project is no longer needed.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Not applicable.

Project Timing:

The project is not needed.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$0	\$0

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Water Source, Storage And Distribution System
Project Title / Ref#: Water System Pressure, Size And Age Improvements
Submitting Departments: City Of Ontario Municipal Utilities Company

WT -021

Project Description:

Replace all 2-inch and 4-inch and other deficient distribution and transmission lines with minimum standard 8-inch transmission lines primarily for maintaining fire flow requirements. The project consists of 651,000 linear feet of 8-inch to 36-inch line. Contingency costs are included at 10% of the estimated construction cost. Administration, engineering and construction management are included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

The project is required to provide adequate and timely water transmission for future additional residents and businesses.

Relationship to General Plan Development:

The project is included in the City's Capital Improvement Program funded from existing utility user receipts and is not financed with development impact fees.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Water Master Plan, April 2012.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - The project was re-estimated resulting in a 20.1% decrease.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$18,369,980	\$18,369,980
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$111,333,211	\$111,333,211
4. Contingency	\$0	\$0	\$0	\$0	\$11,133,321	\$11,133,321
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$140,836,512	\$140,836,512

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Water Source, Storage And Distribution System

Project Title / Ref#: Miscellaneous Up-Sized Facilities

WT -022

Submitting Departments: City Of Ontario Municipal Utilities Company

Project Description:

This project is included for the upsizing of 24,503 LF of existing water infrastructure.

Justification / Consequences of Avoidance:

In-fill development in the General City area necessitates the upsizing of existing facilities.

Relationship to General Plan Development:

These costs are related to the General City.

Allocation To General Plan Buildout: 100.00%

Reference Document:

None, staff projections.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - The project was re-estimated resulting in a 196.3% increase.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$772,864	\$772,864
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$4,684,025	\$4,684,025
4. Contingency	\$0	\$0	\$0	\$0	\$468,402	\$468,402
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$5,925,291	\$5,925,291

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Water Source, Storage And Distribution System

Project Title / Ref#: Abandon Existing General City Wells

WT -023

Submitting Departments: City Of Ontario Municipal Utilities Company

Project Description:

Abandon four (4) water wells in the General City area. Contingency costs are included at 10% of the estimated construction cost. Administration, engineering and construction management are included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

The project is required for eliminating maintenance costs and liabilities for obsolete facilities.

Relationship to General Plan Development:

The project is included in the City's Capital Improvement Program funded from existing utility user receipts and is not financed with development impact fees.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Water Master Plan, April 2012.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - The project was re-estimated resulting in a 20.4% increase.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$66,000	\$66,000
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$400,000	\$400,000
4. Contingency	\$0	\$0	\$0	\$0	\$40,000	\$40,000
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$506,000	\$506,000

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Water Source, Storage And Distribution System

Project Title / Ref#: Project No Longer Needed

WT -024

Submitting Departments: City Of Ontario Municipal Utilities Company

Project Description:

The project has previously been included in the DIF Report as "Improve Blending of Wells 9 & 18" but is no longer required.

Justification / Consequences of Avoidance:

The project has been left in as a place holder to maintain the previous project numbering system.

Relationship to General Plan Development:

The project is no longer needed.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Not applicable.

Project Timing:

The project is not needed.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$0	\$0

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Water Source, Storage And Distribution System
Project Title / Ref#: Decommission Galvin Treatment Plan/Abandon 1212-3 Reservoir
Submitting Departments: City Of Ontario Municipal Utilities Company

WT -025

Project Description:

Eliminate the unnecessary Galvin Treatment Plan and abandon the 1212-3 reservoir. Contingency costs are included at 10% of the estimated construction cost. Administration, engineering and construction management are included at 15% of the combined construction/contingency cost. For additional detail see Master Plan Projects 21 (S-12) and 43 (S-6).

Justification / Consequences of Avoidance:

The project is required for eliminating maintenance costs and liabilities for obsolete facilities.

Relationship to General Plan Development:

The project fully benefits existing water users.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Water Master Plan, April 2012.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update: The project was re-estimated..

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$311,025	\$311,025
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$1,885,000	\$1,885,000
4. Contingency	\$0	\$0	\$0	\$0	\$188,500	\$188,500
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$2,384,525	\$2,384,525

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Water Source, Storage And Distribution System

Project Title / Ref#: Seismic Upgrades And Replacements

WT -026

Submitting Departments: City Of Ontario Municipal Utilities Company

Project Description:

Replace and seismically retrofit as needed and identified, various older segments of the General City water system. Contingency costs are included at 10% of the estimated construction cost. Administration, engineering and construction management are included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

The project is required to maintain reliability and to provide timely water transmission and distribution for current residents and businesses.

Relationship to General Plan Development:

The project fully benefits existing water users.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Water Master Plan, April 2012.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - The project was re-estimated..

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$1,751,311	\$1,751,311
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$10,614,004	\$10,614,004
4. Contingency	\$0	\$0	\$0	\$0	\$1,061,400	\$1,061,400
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$13,426,715	\$13,426,715

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Water Source, Storage And Distribution System

Project Title / Ref#: Water Master Plan Updates

WT -027

Submitting Departments: City Of Ontario Municipal Utilities Company

Project Description:

Update the City's Water Master Plan. An updated Master Plan is required to evaluate the changing conditions and the water sources and infrastructure needed to provide a potable and consistent amount of water to private and public property.

Justification / Consequences of Avoidance:

The project is required to maintain water system reliability and to provide timely water transmission for existing and future additional residents and businesses.

Relationship to General Plan Development:

The project is directly related to new development in both General City and Ontario Ranch areas based upon relative new water demands.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Water Master Plan, August 2000

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - The project cost has not been changed.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$1,596,376	\$1,596,376
2. Land Acquistion / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$1,596,376	\$1,596,376

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Water Source, Storage And Distribution System
Project Title / Ref#: Water System Maintenance Vehicle/Equipment Fleet
Submitting Departments: City Of Ontario Municipal Utilities Company

WT -028

Project Description:

This project is the cost for the purchase of additional utility system maintenance vehicles and equipment.

Justification / Consequences of Avoidance:

The addition of tens of thousands of linear feet of water distribution lines, pumps and reservoirs will increase the demand upon the existing maintenance vehicle feet. Additional utility maintenance vehicles will be required.

Relationship to General Plan Development:

The additional vehicles are directly related to new development in both General City and Ontario Ranch areas based upon relative new water demands.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Based upon proportional analysis of existing fleet and equipment and future additional infrastructure.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - The project has been adjusted by the CPI increase of 10.0% over the 06/2012 cost estimate.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$1,297,912	\$1,297,912
TOTAL COST:	\$0	\$0	\$0	\$0	\$1,297,912	\$1,297,912

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Water Source, Storage And Distribution System

Project Title / Ref#: Project No Longer Needed

WT -029

Submitting Departments: City Of Ontario Municipal Utilities Company

Project Description:

Project no longer needed. It had been defined as "Preliminary engineering and design for potential interconnection to JCSD to provide temporary secondary water supply to the 925' Zone".

Justification / Consequences of Avoidance:

The project is required to provide adequate and timely water transmission for future additional residents and businesses.

Relationship to General Plan Development:

The project fully benefits new development in the Ontario Ranch area (100.00%).

Allocation To General Plan Buildout: 100.00%

Reference Document:

Water and Recycled Water Master Plan, May 2006.

Project Timing:

The project has been completed. 2019 Update - The project is completed thus the actual cost is not subject to any cost amendment.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Actual Project Costs	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$0	\$0

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Water Source, Storage And Distribution System
Project Title / Ref#: CDA Facility Modifications (Booster Station & Pipeline)
Submitting Departments: City Of Ontario Municipal Utilities Company

WT -030

Project Description:

The project consists of a contribution towards the construction of a booster station and pipeline improvements in order to provide for the delivery of CDA water to Ontario's water system. The project construction cost is the actual cost.

Justification / Consequences of Avoidance:

The project is required to provide adequate and timely water transmission for future additional residents and businesses.

Relationship to General Plan Development:

The project fully benefits new development in the Ontario Ranch area (100.00%).

Allocation To General Plan Buildout: 100.00%

Reference Document:

Water and Recycled Water Master Plan, May 2006.

Project Timing:

The project has been completed. 2019 Update - The project is completed at 81% of the estimated cost and will not be subject to cost amendments.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$2,797,348	\$2,797,348
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$2,797,348	\$2,797,348

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Water Source, Storage And Distribution System
Project Title / Ref#: JCSD/Ontario Reservoir (Phillips Street 1010' Zone)
Submitting Departments: City Of Ontario Municipal Utilities Company

WT -031

Project Description:

The project consists of a contribution towards the construction of reservoirs improvements in order to provide storage for secondary water supply to the City water system.

Justification / Consequences of Avoidance:

The project is required to provide adequate and timely water transmission for future additional residents and businesses.

Relationship to General Plan Development:

The project benefits new development in the Ontario Ranch area (50%) and new development the General City area (10%) and existing water users (40%).

Allocation To General Plan Buildout: 59.95%

Reference Document:

Water and Recycled Water Master Plan, May 2006.

Project Timing:

The project has been completed. 2019 Update - The project is completed thus the actual cost is not subject to any cost amendment.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Actual Project Costs	\$0	\$0	\$0	\$0	\$1,078,186	\$1,078,186
TOTAL COST:	\$0	\$0	\$0	\$0	\$1,078,186	\$1,078,186

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Water Source, Storage And Distribution System

Project Title / Ref#: Water Treatment

WT -032

Submitting Departments: City Of Ontario Municipal Utilities Company

Project Description:

The project consists of the construction of water treatment facilities. Contingency costs are included at 10% of the estimated construction cost. Administration, engineering and construction management are included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

The project is required to provide adequate and timely water transmission for future additional residents and businesses.

Relationship to General Plan Development:

The project benefits future water users in the Ontario Ranch area and (57.55%) existing water users (42.45%).

Allocation To General Plan Buildout: 57.55%

Reference Document:

Water Master Plan, April 2012.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - The project was re-estimated.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$3,484,755	\$3,484,755
2. Land Acquistion / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$21,119,723	\$21,119,723
4. Contingency	\$0	\$0	\$0	\$0	\$2,111,972	\$2,111,972
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$26,716,450	\$26,716,450

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Water Source, Storage And Distribution System
Project Title / Ref#: Phillips Street 1010' Zone Well Connection System
Submitting Departments: City Of Ontario Municipal Utilities Company

WT -033

Project Description:

The project consists of constructing 17,400 linear feet of 24-inch transmission main. Contingency costs are included at 10% of the estimated construction cost. Administration, engineering and construction management are included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

The project is required to provide adequate and timely water transmission for future additional residents and businesses.

Relationship to General Plan Development:

The project fully benefits future water users in the Ontario Ranch area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Water and Recycled Water Master Plan, May 2006.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - The project cost has not been changed.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquistion / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Actual Cost	\$0	\$0	\$0	\$0	\$5,039,874	\$5,039,874
TOTAL COST:	\$0	\$0	\$0	\$0	\$5,039,874	\$5,039,874

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Water Source, Storage And Distribution System

Project Title / Ref#: Water Source Supply

WT -034

Submitting Departments: City Of Ontario Municipal Utilities Company

Project Description:

The project consists of costs for securing additional water supply sources to meet the projected water demands anticipated at the build-out of the City's General Plan. Additional water supply sources include Chino Basin Desalter Authority (CDA), Recycled Water, Chino Basin Non-Agricultural Pool Rights (Non-Ag), and other sources to be determined which may include Chino Basin Safe Yield rights. Additional Ontario Ranch supplies include: 3,533 AFY from CDA Expansion (\$28,405,706); 11,486 AFY of Recycled Water (incl. in WT-016); 2,306 AFY of previously acquired Non-Ag rights (\$17,834,593); and 3,056 AFY of other water rights/supplies to be acquired (\$12,374,672). (continued under "Justification").

Justification / Consequences of Avoidance:

Additional OMC supplies include: 765 AFY of previously acquired San Antonio Water Co. shares (\$549,400); 512 AFY from the existing CDA (\$3,385,294); and 6,899 AFY of Recycled Water (incl. in WT-016).

The project is required to ensure sufficient water supplies are available to meet future demands.

Relationship to General Plan Development:

The combined project fully benefits new development within both the Ontario Ranch (93.71%) and General City areas (6.29%).

Allocation To General Plan Buildout: 100.00%

Reference Document:

Urban Water Management Plan, 2010, the Ontario Plan Environmental Impact Report.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - The project cost was not amended.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$62,549,323	\$62,549,323
TOTAL COST:	\$0	\$0	\$0	\$0	\$62,549,323	\$62,549,323

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Water Source, Storage And Distribution System

Project Title / Ref#: General System Reliability Improvements

WT -035

Submitting Departments: City Of Ontario Municipal Utilities Company

Project Description:

The project includes perimeter metering for the airport and construction of additional inter-agency connections with surrounding agencies. Contingency costs are included at 10% of the estimated construction cost. Administration, engineering and construction management are included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

The project is required to provide adequate and timely water transmission for existing residents and businesses.

Relationship to General Plan Development:

The project benefits existing water users.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Water Master Plan, April 2012.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - The project was re-estimated.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$234,300	\$234,300
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$1,420,000	\$1,420,000
4. Contingency	\$0	\$0	\$0	\$0	\$142,000	\$142,000
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$1,796,300	\$1,796,300

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Water Source, Storage And Distribution System
Project Title / Ref#: Fourth Street 1074' Zone Transmission Improvements
Submitting Departments: City Of Ontario Municipal Utilities Company

WT -036

Project Description:

The project includes the construction of 4,400 linear feet of 12-inch transmission main and two pressure reducing stations to improvement pressures in the 1074' Zone. Contingency costs are included at 10% of the estimated construction cost. Administration, engineering and construction management are included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

The project is required to provide adequate and timely water transmission for existing additional residents and businesses.

Relationship to General Plan Development:

The project benefits existing General City water users.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Water Master Plan, April 2012.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - The project was re-estimated.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$372,886	\$372,886
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$2,259,908	\$2,259,908
4. Contingency	\$0	\$0	\$0	\$0	\$225,990	\$225,990
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$2,858,784	\$2,858,784

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Water Source, Storage And Distribution System

Project Title / Ref#: Share Of Common City Yard Improvements

WT -037

Submitting Departments: City Of Ontario Municipal Utilities Company

Project Description:

Construct the following improvements: 1) Reconfigure some 60,000 square feet of a recently acquired warehouse and office space. 2) Pave approximately ten acres of currently dirt parking lot, primarily for the refuse operation refueling area. 3) Construct additional fleet maintenance operations bays. 4) Construct a new welding shop. 5) Increase security through additional fencing and lighting. 6) Construct additional CNG fueling stations and 7) reconfigure a recently acquired 24,000 square foot building into covered parking to maximize fleet lifetime. The combined improvements have a total projected cost of \$38.2 million and are spread between all City operations that make use of the City yard.

Justification / Consequences of Avoidance:

This project represents the proportional amount of a total estimated \$38.2 million in structural improvements to the City maintenance yard necessary to meet the increasing demands for greater water system maintenance capacity. The City has acquired adequate land and has existing structural capacity for the various existing maintenance demands. This demand for additional structural capacity results from the doubling of all public infrastructures from the Ontario Ranch and remaining portions under built portions of the General City.

Relationship to General Plan Development:

The project fully benefits future water users in the General City and Ontario Ranch areas.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Based upon an analysis of demands on City yard capacity and expansion needs.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - No adjustment.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$1,235,603	\$1,235,603
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$7,488,505	\$7,488,505
4. Contingency	\$0	\$0	\$0	\$0	\$748,851	\$748,851
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$9,472,959	\$9,472,959

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Water Source, Storage And Distribution System
Project Title / Ref#: Ontario Ranch Water/Recycled Water Design Studies
Submitting Departments: City Of Ontario Municipal Utilities Company

WT -038

Project Description:

Recovery of costs incurred by the Ontario Ranch Construction group expended on behalf of all other developments. The single Master Plan study, (previously referred to as "New Model Colony) consists of Master Plan Guidelines - Potable Water and Recycled Water. (Added 09/14, report reimbursements).

Justification / Consequences of Avoidance:

The studies were necessary to develop infrastructure requirements that define and benefit all development in the Ontario Ranch area.

Relationship to General Plan Development:

The project benefits new development and future water users in the Ontario Ranch area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Ontario Ranch (formerly NMC) Construction Agreement.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - The project is completed thus the actual cost is not subject to any cost amendment.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Actual Project Costs	\$0	\$0	\$0	\$0	\$24,302	\$24,302
TOTAL COST:	\$0	\$0	\$0	\$0	\$24,302	\$24,302

Sewer Collection System

CITY OF ONTARIO, CALIFORNIA
Master Facilities Plan - All Plan Areas
Sewer Collection Facilities
MFP 2018-19 Update

		FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	Project Build Out Total
SW-001	Eastern Trunk Sewer	\$0	\$0	\$0	\$0	\$23,049,453	\$23,049,453
SW-002	Western Trunk Sewer	\$0	\$0	\$0	\$0	\$14,969,080	\$14,969,080
SW-003	Eucalyptus East Trunk Sewer	\$0	\$0	\$0	\$0	\$987,467	\$987,467
SW-004	Ontario Ranch Road Trunk Sewer (Edison)	\$0	\$0	\$0	\$0	\$2,487,802	\$2,487,802
SW-005	Haven Trunk Sewer	\$0	\$0	\$0	\$0	\$3,908,348	\$3,908,348
SW-006	Mill Creek Trunk Sewer	\$0	\$0	\$0	\$0	\$6,706,236	\$6,706,236
SW-007	Project No Longer Needed	\$0	\$0	\$0	\$0	\$0	\$0
SW-008	Walker Trunk Sewer	\$0	\$0	\$0	\$0	\$512,325	\$512,325
SW-009	Grove Trunk Sewer	\$0	\$0	\$0	\$0	\$2,647,013	\$2,647,013
SW-010	Bon View Trunk Sewer	\$0	\$0	\$0	\$0	\$2,647,013	\$2,647,013
SW-011	Euclid Trunk Sewer	\$0	\$0	\$0	\$0	\$2,647,013	\$2,647,013
SW-012	Project No Longer Needed	\$0	\$0	\$0	\$0	\$0	\$0
SW-013	Project No Longer Needed	\$0	\$0	\$0	\$0	\$0	\$0
SW-014	Project No Longer Needed	\$0	\$0	\$0	\$0	\$0	\$0
SW-015	Plaza Serena Street, Granada Court To Vineyard Avenue	\$0	\$0	\$0	\$0	\$100,324	\$100,324
SW-016	Philadelphia Between Parco And Vineyard	\$0	\$0	\$0	\$0	\$5,923,236	\$5,923,236
SW-017	Holt Boulevard, West Of Imperial Avenue	\$0	\$0	\$0	\$0	\$392,779	\$392,779
SW-018	Campus Avenue, North Of Holt Boulevard	\$0	\$0	\$0	\$0	\$46,461	\$46,461
SW-019	Project No Longer Needed	\$0	\$0	\$0	\$0	\$0	\$0
SW-020	Cherry Avenue, North Of G Street	\$0	\$0	\$0	\$0	\$64,824	\$64,824

CITY OF ONTARIO, CALIFORNIA
Master Facilities Plan - All Plan Areas
Sewer Collection Facilities
MFP 2018-19 Update

		FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	Project Build Out Total
SW-021	Project No Longer Needed	\$0	\$0	\$0	\$0	\$0	\$0
SW-022	Vineyard Avenue, South Of Cedar Et. Al.	\$0	\$0	\$0	\$0	\$17,981,955	\$17,981,955
SW-023	Easement East Of Haven	\$0	\$0	\$0	\$0	\$1,598,918	\$1,598,918
SW-024	Project No Longer Needed	\$0	\$0	\$0	\$0	\$0	\$0
SW-025	Project No Longer Needed	\$0	\$0	\$0	\$0	\$0	\$0
SW-026	Sewer Utility Maintenance Vehicles	\$0	\$0	\$0	\$0	\$947,100	\$947,100
SW-027	Sewer Utility Master Plan	\$0	\$0	\$0	\$0	\$534,967	\$534,967
SW-028	Project No Longer Needed	\$0	\$0	\$0	\$0	\$0	\$0
SW-029	Carpenter Trunk Sewer	\$0	\$0	\$0	\$0	\$4,795,305	\$4,795,305
SW-030	Project No Longer Needed	\$0	\$0	\$0	\$0	\$0	\$0
SW-031	Easement N/O & S/O Hollowell, E/O Boulder Avenue	\$0	\$0	\$0	\$0	\$380,221	\$380,221
SW-032	D Street Between Corona And Vineyard	\$0	\$0	\$0	\$0	\$269,693	\$269,693
SW-033	Easement W/O Euclid From N/O J St To Easement S/O G St	\$0	\$0	\$0	\$0	\$696,901	\$696,901
SW-034	Benson Ave Between I Street And G Street	\$0	\$0	\$0	\$0	\$496,054	\$496,054
SW-035	Virginia Avenue Between D Street And Nocta Street	\$0	\$0	\$0	\$0	\$216,458	\$216,458
SW-036	Deer Creek Loop And Laurel Tree Drive	\$0	\$0	\$0	\$0	\$780,117	\$780,117
SW-037	Hollowell, Boulder And Holt Avenue	\$0	\$0	\$0	\$0	\$833,748	\$833,748
SW-038	Easement N/O Holt Blvd, E/O Allyn Avenue	\$0	\$0	\$0	\$0	\$36,062	\$36,062
SW-039	Riverside Drive Between Sultana And Campus Avenues	\$0	\$0	\$0	\$0	\$657,740	\$657,740
SW-040	Vineyard S/O Airport And Easement	\$0	\$0	\$0	\$0	\$1,156,890	\$1,156,890

CITY OF ONTARIO, CALIFORNIA
Master Facilities Plan - All Plan Areas
Sewer Collection Facilities
MFP 2018-19 Update

	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Project Build Out Total
SW-041	\$0	\$0	\$0	\$0	\$132,250	\$132,250
SW-042	\$0	\$0	\$0	\$0	\$404,890	\$404,890
SW-043	\$0	\$0	\$0	\$0	\$318,923	\$318,923
SW-044	\$0	\$0	\$0	\$0	\$1,673,464	\$1,673,464
SW-045	\$0	\$0	\$0	\$0	\$132,250	\$132,250
SW-046	\$0	\$0	\$0	\$0	\$5,649,689	\$5,649,689
SW-047	\$0	\$0	\$0	\$0	\$2,406,049	\$2,406,049
SW-048	\$0	\$0	\$0	\$0	\$3,970,009	\$3,970,009
SW-049	\$0	\$0	\$0	\$0	\$24,302	\$24,302
SW-050	\$0	\$0	\$0	\$0	\$1,459,979	\$1,459,979
SW-051	\$0	\$0	\$0	\$0	\$1,848,807	\$1,848,807
TOTALS						
	\$0	\$0	\$0	\$0	\$116,492,115	\$116,492,115

Notes:
1) If project timing is not a component of this effort, then all projects default to their "Thru Build Out" amount.

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Eastern Trunk Sewer
Submitting Departments: City Of Ontario Municipal Utilities Company

SW -001

Project Description:

The Eastern Trunk Sewer line consists of approximately 25,940 linear feet of sewer pipe ranging in size from 12" to 42" pipe. The line generally begins at the Turner Pump station and Riverside drive and travels west to Archibald Avenue where it turns south to Merrill Avenue. At Merrill Avenue, the line turns west to baker Avenue where it turns south to connect with the IEUA Kimball interceptor. The segment along Merrill Avenue requires that the line go under Cucamonga Creek. The project has been completed.

Justification / Consequences of Avoidance:

This project is necessary to be able to meet the sewage collection capacity demand that has been calculated as necessary resulting from proposed development in the General City and Ontario Ranch areas and existing sewage flows.

Relationship to General Plan Development:

The project is mostly (85.67%) related to existing flows and will be financed with utility rate receipts with the remaining 14.33% related to development within to the General City and Ontario Ranch areas.

Allocation To General Plan Buildout: 14.33%

Reference Document:

Old Model Colony and New Model Colony Sewer Master Plan, April 2012.

Project Timing:

The project has been constructed. 2019 Update - The project is completed and this is the final cost and it will not be subject to future cost amendments.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$23,049,453	\$23,049,453
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$23,049,453	\$23,049,453

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Western Trunk Sewer
Submitting Departments: City Of Ontario Municipal Utilities Company

SW -002

Project Description:

The project consists of approximately 32,800 linear feet of 18-inch to 36-inch" diameter sewer pipe. The Western Trunk Sewer is a gravity sewer that will extend from the intersection of Riverside drive and Carpenter Avenue4 to IEUA's Kimball interceptor. The general alignment of this trunk sewer begins at the intersection of Riverside drive and Carpenter Avenue; travels south in carpenter Avenue to Schafer Avenue; west to Walker Avenue; south to Merrill Avenue; west to Euclid Avenue; and south to the connection with IEUA's Kimball Interceptor at Kimball Avenue. Contingency costs are included at 15% of the estimated construction cost. Administration, engineering and construction management are included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

This project is necessary to be able to meet the sewage collection capacity demand that has been calculated as necessary resulting from proposed development in General City and Ontario Ranch areas and existing sewage flows.

Relationship to General Plan Development:

The project is related to existing flows and will be financed with utility rate receipts with the remaining related to development within Ontario Ranch.

Allocation To General Plan Buildout: 65.00%

Reference Document:

Old Model Colony and New Model Colony Sewer Master Plan, April 2012.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - The project was re-estimated.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$1,952,488	\$1,952,488
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$11,318,775	\$11,318,775
4. Contingency	\$0	\$0	\$0	\$0	\$1,697,817	\$1,697,817
5. Equipment/Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$14,969,080	\$14,969,080

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Eucalyptus East Trunk Sewer
Submitting Departments: City Of Ontario Municipal Utilities Company

SW -003

Project Description:

The Eucalyptus East Trunk Sewer consists of approximately 4,500 linear feet of 15-inch diameter pipe in Eucalyptus Avenue, east of Archibald Avenue. This project will tie into the eastern Trunk Sewer at Archibald Avenue. Contingency costs are included at 10% of the estimated construction cost. Administration, engineering and construction management are included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

This project is necessary to be able to meet the sewage collection capacity demand that has been calculated as necessary resulting from proposed development in the Ontario Ranch area.

Relationship to General Plan Development:

The project is fully related to development within Ontario Ranch.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Old Model Colony and New Model Colony Sewer Master Plan, April 2012.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - The project was re-estimated.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$114,998	\$114,998
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$696,960	\$696,960
4. Contingency	\$0	\$0	\$0	\$0	\$69,696	\$69,696
5. Costs To Date	\$0	\$0	\$0	\$0	\$105,813	\$105,813
TOTAL COST:	\$0	\$0	\$0	\$0	\$987,467	\$987,467

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Ontario Ranch Road Trunk Sewer (Edison)
Submitting Departments: City Of Ontario Municipal Utilities Company

SW -004

Project Description:

The Edison Trunk Sewer is 5,772 linear feet of 27-inch diameter pipe in Edison feet extending east from Archibald Avenue. This project will outlet into the eastern trunk Sewer at the intersection of Edison Avenue and Archibald Avenue.

Justification / Consequences of Avoidance:

This project is necessary to be able to meet the sewage collection capacity demand that has been calculated as necessary resulting from proposed development in the General City and Ontario Ranch areas and existing sewage flows.

Relationship to General Plan Development:

The project is mostly related to existing flows and will be financed with utility rate receipts with the remainder related to development within Ontario Ranch.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Old Model Colony and New Model Colony Sewer Master Plan, April 2012.

Project Timing:

The project is complete. 2019 Update - The 9.3% increase was a result of the actual DIF Credits issued.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Actual Project Costs	\$0	\$0	\$0	\$0	\$2,487,802	\$2,487,802
TOTAL COST:	\$0	\$0	\$0	\$0	\$2,487,802	\$2,487,802

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Haven Trunk Sewer
Submitting Departments: City Of Ontario Municipal Utilities Company

SW -005

Project Description:

The Haven Trunk Sewer consists of approximately 12,950 linear feet of 18-inch to 21-inch diameter sewer pipe in Haven Avenue from the Haven Pump Station to the Eastern Trunk Sewer at Edison Avenue. Contingency costs are included at 10% of the estimated construction cost. Administration, engineering and construction management are included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

This project is necessary to be able to meet the sewage collection capacity demand that has been calculated as necessary resulting from proposed development in General City and Ontario Ranch areas and existing sewage flows.

Relationship to General Plan Development:

The project is largely related to existing flows and will be financed with utility rate receipts with the remaining amount related to development within Ontario Ranch.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Old Model Colony and New Model Colony Sewer Master Plan, April 2012.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - The project was re-estimated.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$477,465	\$477,465
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$2,893,727	\$2,893,727
4. Contingency	\$0	\$0	\$0	\$0	\$289,373	\$289,373
5. Costs To Date	\$0	\$0	\$0	\$0	\$247,783	\$247,783
TOTAL COST:	\$0	\$0	\$0	\$0	\$3,908,348	\$3,908,348

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Mill Creek Trunk Sewer
Submitting Departments: City Of Ontario Municipal Utilities Company

SW -006

Project Description:

The Cleveland, Bellegrave, Merrill Avenue Trunk Sewer consists of 24,935 feet of 12-inch to 24-inch diameter pipe. This project will outlet into the Eastern Trunk Sewer at the intersection of Merrill Avenue and Archibald Avenue. Contingency costs are included at 10% of the estimated construction cost. Administration, engineering and construction management are included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

This project is necessary to be able to meet the sewage collection capacity demand that has been calculated as necessary resulting from proposed development in Ontario Ranch.

Relationship to General Plan Development:

The project is fully related to development within Ontario Ranch.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Old Model Colony and New Model Colony Sewer Master Plan, April 2012.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - The project was re-estimated.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	Total all Years
1. Design / Engineering / Administrative	\$0	\$0	\$0	\$0	\$737,079	\$737,079
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$4,467,147	\$4,467,147
4. Contingency	\$0	\$0	\$0	\$0	\$446,715	\$446,715
5. Cost To Date	\$0	\$0	\$0	\$0	\$1,055,295	\$1,055,295
TOTAL COST:	\$0	\$0	\$0	\$0	\$6,706,236	\$6,706,236

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Cancelled on 11/20/2006

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Project No Longer Needed
Submitting Departments: City Of Ontario Municipal Utilities Company

SW -007

Project Description:
The project, formerly Remington Trunk Sewer, is no longer needed.

Justification / Consequences of Avoidance:

The project has been left in as a place holder to maintain the previous project numbering system.

Relationship to General Plan Development:

The project is no longer needed.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Not applicable.

Project Timing:

The project is not needed.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$0	\$0

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Walker Trunk Sewer
Submitting Departments: City Of Ontario Municipal Utilities Company

SW -008

Project Description:

The Walker Avenue Trunk Sewer consists of 2,700 feet of 12-inch diameter pipe in Walker Avenue, north of Schaefer Avenue. This project will tie into the Western Trunk Sewer at Schaefer Avenue. Contingency costs are included at 10% of the estimated construction cost. Administration, engineering and construction management are included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

This project is necessary to be able to meet the sewage collection capacity demand that has been calculated as necessary resulting from proposed development in Ontario Ranch.

Relationship to General Plan Development:

The project is fully related to development within Ontario Ranch.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Old Model Colony and New Model Colony Sewer Master Plan, April 2012.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - The project was re-estimated.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$66,825	\$66,825
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$405,000	\$405,000
4. Contingency	\$0	\$0	\$0	\$0	\$40,500	\$40,500
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$512,325	\$512,325

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Grove Trunk Sewer
Submitting Departments: City Of Ontario Municipal Utilities Company

SW -009

Project Description:

The Grove Avenue Trunk Sewer consists of 10,800 feet of 12-inch to 18-inch diameter pipe in Grove Avenue, from Chino Avenue to Merrill Avenue. This project will tie into the Western Trunk Sewer at Merrill Avenue. Contingency costs are included at 10% of the estimated construction cost. Administration, engineering and construction management are included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

This project is necessary to be able to meet the sewage collection capacity demand that has been calculated as necessary resulting from proposed development in Ontario Ranch.

Relationship to General Plan Development:

The project is fully related to development within the Ontario Ranch area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Old Model Colony and New Model Colony Sewer Master Plan, April 2012.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - The project was re-estimated.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$345,263	\$345,263
2. Land Acquistion / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$2,092,500	\$2,092,500
4. Contingency	\$0	\$0	\$0	\$0	\$209,250	\$209,250
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$2,647,013	\$2,647,013

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Bon View Trunk Sewer
Submitting Departments: City Of Ontario Municipal Utilities Company

SW -010

Project Description:

The Bon View Avenue Trunk Sewer consists of 10,800 feet of 12-inch to 18-inch diameter pipe in Bon View Avenue, from Chino Avenue to Merrill Avenue. This project will tie into the Western Trunk Sewer at Merrill Avenue. Contingency costs are included at 10% of the estimated construction cost. Administration, engineering and construction management are included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

This project is necessary to be able to meet the sewage collection capacity demand that has been calculated as necessary resulting from proposed development in Ontario Ranch.

Relationship to General Plan Development:

The project is fully related to development within Ontario Ranch.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Old Model Colony and New Model Colony Sewer Master Plan, April 2012.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - The project was re-estimated.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$345,263	\$345,263
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$2,092,500	\$2,092,500
4. Contingency	\$0	\$0	\$0	\$0	\$209,250	\$209,250
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$2,647,013	\$2,647,013

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Euclid Trunk Sewer
Submitting Departments: City Of Ontario Municipal Utilities Company

SW -011

Project Description:

The Euclid Avenue Trunk Sewer consists of 10,800 feet of 12-inch to 18-inch diameter pipe in Euclid Avenue, from Chino Avenue to Merrill Avenue. This project will tie into the Western Trunk Sewer at Merrill Avenue. Contingency costs are included at 10% of the estimated construction cost. Administration, engineering and construction management are included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

This project is necessary to be able to meet the sewage collection capacity demand that has been calculated as necessary resulting from proposed development in Ontario Ranch

Relationship to General Plan Development:

The project is fully related to development within Ontario Ranch.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Old Model Colony and New Model Colony Sewer Master Plan, April 2012.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - The project was re-estimated.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$345,263	\$345,263
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$2,092,500	\$2,092,500
4. Contingency	\$0	\$0	\$0	\$0	\$209,250	\$209,250
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$2,647,013	\$2,647,013

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Project No Longer Needed
Submitting Departments: City Of Ontario Municipal Utilities Company

SW -012

Project Description:
The project formerly referred to as "Eucalyptus West Trunk Sewer" is no longer needed.

Justification / Consequences of Avoidance:

The project number is left in as a place holder to maintain the previous project numbering system

Relationship to General Plan Development:

The project is no longer needed.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Not applicable.

Project Timing:

The project is not needed.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$0	\$0

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Project No Longer Needed
Submitting Departments: City Of Ontario Municipal Utilities Company
Project Description:
The project formerly referred to as "Project BB" is no longer needed.

SW -013

Justification / Consequences of Avoidance:

The project number is left in as a place holder to maintain the previous project numbering system

Relationship to General Plan Development:

The project is no longer needed.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Not applicable.

Project Timing:

The project is not needed.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$0	\$0

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Project No Longer Needed
Submitting Departments: City Of Ontario Municipal Utilities Company
Project Description:
The project formerly referred to as "Project CC" is no longer needed.

SW -014

Justification / Consequences of Avoidance:

The project number is left in as a place holder to maintain the previous project numbering system

Relationship to General Plan Development:

The project is no longer needed.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Not applicable.

Project Timing:

The project is not needed.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$0	\$0

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Plaza Serena Street, Granada Court To Vineyard Avenue
Submitting Departments: City Of Ontario Municipal Utilities Company
Project Description:
Construct the sewer line starting from Plaza Serena, Granada Court to Vineyard Avenue (OS-12).

SW -015

Justification / Consequences of Avoidance:

This project is necessary to be able to meet the sewage collection capacity demand that has been calculated as necessary resulting from proposed development in the General City area and existing sewage flows.

Relationship to General Plan Development:

The project is mostly largely related to existing flows and will be financed with utility rate receipts with the remaining new demand related to development within to the General City area.

Allocation To General Plan Buildout: 29.80%

Reference Document:

Old Model Colony and New Model Colony Sewer Master Plan, April 2012.

Project Timing:

The project is complete. 2019 Update - The 58.5% increase is the result of the Actual Project Costs.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Actual Project Costs	\$0	\$0	\$0	\$0	\$100,324	\$100,324
TOTAL COST:	\$0	\$0	\$0	\$0	\$100,324	\$100,324

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Philadelphia Between Parco And Vineyard
Submitting Departments: City Of Ontario Municipal Utilities Company

SW -016

Project Description:

Construct the sewer line starting from Philadelphia Avenue between Parco and Vineyard Avenues (OS-13). Contingency costs are included at 15% of the estimated construction cost. Administration, engineering and construction management are included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

This project is necessary to be able to meet the sewage collection capacity demand that has been calculated as necessary resulting from proposed development in the General City area and existing sewage flows.

Relationship to General Plan Development:

The project is largely related to existing flows and that portion will be financed with utility rate receipts with the remaining amount related to additional development demands from within the General City area.

Allocation To General Plan Buildout: 15.29%

Reference Document:

Old Model Colony and New Model Colony Sewer Master Plan, April 2012.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - The project was re-estimated.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$772,596	\$772,596
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$4,478,816	\$4,478,816
4. Contingency	\$0	\$0	\$0	\$0	\$671,824	\$671,824
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$5,923,236	\$5,923,236

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Holt Boulevard, West Of Imperial Avenue
Submitting Departments: City Of Ontario Municipal Utilities Company

SW -017

Project Description:

Construct the sewer line starting from Holt Boulevard to just west of Holt Boulevard (OS-14). Contingency costs are included at 15% of the estimated construction cost. Administration, engineering and construction management are included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

This project is necessary to be able to meet the sewage collection capacity demand that has been calculated as necessary resulting from proposed development in the General City area and existing sewage flows.

Relationship to General Plan Development:

The project is largely related to existing flows and that portion will be financed with utility rate receipts with the remaining amount related to additional development demands from within the General City area.

Allocation To General Plan Buildout: 38.70%

Reference Document:

Old Model Colony and New Model Colony Sewer Master Plan, April 2012.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - The project was re-estimated resulting in a 20.4% increase.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$51,232	\$51,232
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$296,997	\$296,997
4. Contingency	\$0	\$0	\$0	\$0	\$44,550	\$44,550
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$392,779	\$392,779

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Campus Avenue, North Of Holt Boulevard
Submitting Departments: City Of Ontario Municipal Utilities Company

SW -018

Project Description:

Construct the sewer line starting on Campus Avenue from north of Holt Boulevard (OS-04).

Justification / Consequences of Avoidance:

This project is necessary to be able to meet the sewage collection capacity demand that has been calculated as necessary resulting from proposed development in the General City and existing sewage flows.

Relationship to General Plan Development:

The project is fully related to existing flows and will need to be financed with utility rate receipts.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Old Model Colony and New Model Colony Sewer Master Plan, April 2012.

Project Timing:

The project is complete. 2019 Update - The 20.4% increase is the result of the Actual Project Costs.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Actual Project Costs	\$0	\$0	\$0	\$0	\$46,461	\$46,461
TOTAL COST:	\$0	\$0	\$0	\$0	\$46,461	\$46,461

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Project No Longer Needed
Submitting Departments: City Of Ontario Municipal Utilities Company

SW -019

Project Description:
This project, formerly known as "Project R" is no longer needed.

Justification / Consequences of Avoidance:

The project number is left in as a place holder to maintain the previous project numbering system

Relationship to General Plan Development:

The project is no longer needed.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Not applicable.

Project Timing:

The project is not needed.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$0	\$0

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Cherry Avenue, North Of G Street
Submitting Departments: City Of Ontario Municipal Utilities Company

SW -020

Project Description:
 Construct the sewer line starting on Cherry Avenue, North of G Street (OS-02).

Justification / Consequences of Avoidance:

This project is necessary to be able to meet the sewage collection capacity demand that has been calculated as necessary resulting from existing sewage flows in the General City area.

Relationship to General Plan Development:

The project is fully related to existing flows and will be financed with utility rate receipts.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Old Model Colony and New Model Colony Sewer Master Plan, April 2012.

Project Timing:

The project is complete. 2019 Update - The 9.6% increase is the result of the Actual Project Costs.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Actual Project Costs	\$0	\$0	\$0	\$0	\$64,824	\$64,824
TOTAL COST:	\$0	\$0	\$0	\$0	\$64,824	\$64,824

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Project No Longer Needed
Submitting Departments: City Of Ontario Municipal Utilities Company

SW -021

Project Description:
 This project, formerly known as "Project U" is no longer needed.

Justification / Consequences of Avoidance:

The project number is left in as a place holder to maintain the previous project numbering system

Relationship to General Plan Development:

The project is no longer needed.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Not applicable.

Project Timing:

The project is not needed.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$0	\$0

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Vineyard Avenue, South Of Cedar Et. Al.
Submitting Departments: City Of Ontario Municipal Utilities Company

SW -022

Project Description:

Construct numerous sewer lines including: Vineyard Avenue, south of Cedar Street (OS-21), Archibald, through the Airport (OS-25), Philadelphia and Hellman (OS-26), Inland empire Boulevard west of Archibald Avenue; and easement between Inland Empire Boulevard and Guasti Road (OS-22), Easement south of Guasti Road (OS-23) and Old Guasti Road west of Turner Avenue (OS-24). Contingency costs are included at 15% of the estimated construction cost. Administration, engineering and construction management are included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

This project is necessary to be able to meet the sewage collection capacity demand that has been calculated as necessary resulting from existing sewage flows in the General City Area.

Relationship to General Plan Development:

The project is largely related to development within the General City area with the minor amount remaining related to existing flows with that portion financed with utility rate receipts.

Allocation To General Plan Buildout: 87.23%

Reference Document:

Old Model Colony and New Model Colony Sewer Master Plan, April 2012.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - The project was re-estimated.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$2,208,737	\$2,208,737
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$12,804,270	\$12,804,270
4. Contingency	\$0	\$0	\$0	\$0	\$1,920,641	\$1,920,641
5. Costs To Date	\$0	\$0	\$0	\$0	\$1,048,307	\$1,048,307
TOTAL COST:	\$0	\$0	\$0	\$0	\$17,981,955	\$17,981,955

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Easement East Of Haven
Submitting Departments: City Of Ontario Municipal Utilities Company

SW -023

Project Description:

Construct the sewer line along an easement, just east of Haven Avenue (OS-16). Contingency costs are included at 15% of the estimated construction cost. Administration, engineering and construction management are included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

This project is necessary to be able to meet the sewage collection capacity demand that has been calculated as necessary resulting from existing sewage flows in the General City area.

Relationship to General Plan Development:

The project is mostly related to development within the General City area with the remaining amount benefitting existing flows within General City which would be financed with utility rate receipts.

Allocation To General Plan Buildout: 73.41%

Reference Document:

Old Model Colony and New Model Colony Sewer Master Plan, April 2012.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - The project was re-estimated resulting in a 20.4% increase.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$208,554	\$208,554
2. Land Acquistion / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$1,209,011	\$1,209,011
4. Contingency	\$0	\$0	\$0	\$0	\$181,353	\$181,353
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$1,598,918	\$1,598,918

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Project No Longer Needed
Submitting Departments: City Of Ontario Municipal Utilities Company

SW -024

Project Description:
This project, formerly known as "Project X" is no longer needed.

Justification / Consequences of Avoidance:

The project number is left in as a place holder to maintain the previous project numbering system

Relationship to General Plan Development:

The project is no longer needed.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Not applicable.

Project Timing:

The project is not needed.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$0	\$0

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Project No Longer Needed
Submitting Departments: City Of Ontario Municipal Utilities Company

SW -025

Project Description:
This project, formerly known as "Project Z" is no longer needed.

Justification / Consequences of Avoidance:

The project number is left in as a place holder to maintain the previous project numbering system

Relationship to General Plan Development:

The project is no longer needed.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Not applicable.

Project Timing:

The project is not needed.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$0	\$0

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Sewer Utility Maintenance Vehicles
Submitting Departments: City Of Ontario Municipal Utilities Company

SW -026

Project Description:

This project is the cost for the purchase of additional utility system maintenance vehicles and equipment.

Justification / Consequences of Avoidance:

The addition of tens of thousands of linear feet of sewer collection lines will increase the demand upon the existing utility system maintenance vehicle feet. Additional vactors and utility maintenance vehicles will be required.

Relationship to General Plan Development:

The additional vehicles are directly related to new development in both the General City and Ontario Ranch areas based upon the relative addition of new sewer demands.

Allocation To General Plan Buildout: 100.00%

Reference Document:

No specific document, based upon proportional inventory expansion.

Project Timing:

The timing of the capital acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - The project has been adjusted by the CPI increase of 10.0% over the 05/2012 cost estimate).

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$947,100	\$947,100
TOTAL COST:	\$0	\$0	\$0	\$0	\$947,100	\$947,100

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Sewer Utility Master Plan
Submitting Departments: City Of Ontario Municipal Utilities Company

SW -027

Project Description:

Update the New Model Colony (now Ontario Ranch) Sewer Master Plan. An updated master Plan is required to evaluate the changing conditions and the sewer demands and infrastructure needed to provide adequate removal of sewage from private and public development.

Justification / Consequences of Avoidance:

Failure to maintain a Master Plan will limit the City's ability to properly plan for, prioritize and define all future sewer projects.

Relationship to General Plan Development:

The Master Plan is required to be able to continue to accommodate the additions of new development thus is attributed to new development.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Old Model Colony and New Model Colony Sewer Master Plan, April 2012.

Project Timing:

The timing of the Master Plan described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - The project has been adjusted by the CPI increase of 10.0% over the 05/2012 cost estimate).

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$534,967	\$534,967
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$534,967	\$534,967

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Project No Longer Needed
Submitting Departments: City Of Ontario Municipal Utilities Company

SW -028

Project Description:
This project, formerly known as "Western Trunk Sewer Segment 24" is no longer needed.

Justification / Consequences of Avoidance:

The project number is left in as a place holder to maintain the previous project numbering system

Relationship to General Plan Development:

The project is no longer needed.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Not applicable.

Project Timing:

The project is not needed.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$0	\$0

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Carpenter Trunk Sewer
Submitting Departments: City Of Ontario Municipal Utilities Company

SW -029

Project Description:

The Carpenter Avenue Trunk Sewer consists of 15,350 feet of 12-inch to 21-inch diameter pipe in Carpenter Avenue, from Chino Avenue to the Eastern Trunk Sewer.

Justification / Consequences of Avoidance:

This project is necessary to be able to meet the sewage collection capacity demand that has been calculated as necessary resulting from projected sewage flows in the Ontario Ranch area.

Relationship to General Plan Development:

The project is 100% related to development within Ontario Ranch.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Old Model Colony and New Model Colony Sewer Master Plan, April 2012.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - The project was re-estimated.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$625,475	\$625,475
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$3,790,755	\$3,790,755
4. Contingency	\$0	\$0	\$0	\$0	\$379,075	\$379,075
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$4,795,305	\$4,795,305

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Project No Longer Needed
Submitting Departments: City Of Ontario Municipal Utilities Company
Project Description:
This project, formerly known as "Diversion Sewer" is no longer needed.

SW -030

Justification / Consequences of Avoidance:
The project is no longer needed.

Relationship to General Plan Development:
The project is no longer needed.

Allocation To General Plan Buildout: 0.00%

Reference Document:
Not applicable.

Project Timing:
The project is not needed.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$0	\$0

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Easement N/O & S/O Hollowell, E/O Boulder Avenue
Submitting Departments: City Of Ontario Municipal Utilities Company

SW -031

Project Description:
 Construct a sewer collection line north of and south of Boulder Avenue, and east of Boulder Avenue (OS-01).

Justification / Consequences of Avoidance:

This project is necessary to be able to meet the sewage collection capacity demand that has been calculated as necessary resulting from existing sewage flows in the General City area. However, the project is needed to meet existing demand.

Relationship to General Plan Development:

The project is 100% related to existing General City flows and will be financed with utility rate receipts.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Old Model Colony and New Model Colony Sewer Master Plan, April 2012.

Project Timing:

The project is complete. 2019 Update - The 191.2% increase was the result of actual project construction costs.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Actual Project Costs	\$0	\$0	\$0	\$0	\$380,221	\$380,221
TOTAL COST:	\$0	\$0	\$0	\$0	\$380,221	\$380,221

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: D Street Between Corona And Vineyard
Submitting Departments: City Of Ontario Municipal Utilities Company

SW -032

Project Description:
 Construct a sewer collection line in D Street between Corona and Vineyard (OS-03).

Justification / Consequences of Avoidance:

This project is necessary to be able to meet the sewage collection capacity demand that has been calculated as necessary resulting from existing sewage flows in the General City area. However, the project is needed to meet existing demand.

Relationship to General Plan Development:

The project is 100% related to existing General City flows and will be financed with utility rate receipts.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Old Model Colony and New Model Colony Sewer Master Plan, April 2012.

Project Timing:

The project is complete. 2019 Update - The project cost decrease is based upon actual costs.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Actual Project Costs	\$0	\$0	\$0	\$0	\$269,693	\$269,693
TOTAL COST:	\$0	\$0	\$0	\$0	\$269,693	\$269,693

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Easement W/O Euclid From N/O J St To Easement S/O G St
Submitting Departments: City Of Ontario Municipal Utilities Company

SW -033

Project Description:
 Construct a sewer collection line along an easement west of Euclid Avenue from north of J Street to south of G Street (OS-05).

Justification / Consequences of Avoidance:

This project is necessary to be able to meet the sewage collection capacity demand that has been calculated as necessary resulting from existing sewage flows in the General City area. However, the project is needed to meet existing demand.

Relationship to General Plan Development:

The project is 100% related to existing General City flows and will be financed with utility rate receipts.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Old Model Colony and New Model Colony Sewer Master Plan, April 2012.

Project Timing:

The project is complete. 2019 Update - The 31.5% increase is the result of the Actual Project Costs.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Actual Project Costs	\$0	\$0	\$0	\$0	\$696,901	\$696,901
TOTAL COST:	\$0	\$0	\$0	\$0	\$696,901	\$696,901

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Benson Ave Between I Street And G Street
Submitting Departments: City Of Ontario Municipal Utilities Company

SW -034

Project Description:
Construct a sewer collection line along Benson Avenue from I Street to G Street (OS-06).

Justification / Consequences of Avoidance:

This project is necessary to be able to meet the sewage collection capacity demand that has been calculated as necessary resulting from existing sewage flows in the General City area.

Relationship to General Plan Development:

The project is fully related to existing General City flows and will be financed with utility rate receipts.

Allocation To General Plan Buildout: 0.00%

Reference Document:

Old Model Colony and New Model Colony Sewer Master Plan, April 2012.

Project Timing:

The project is complete. 2019 Update - The final project costs resulted in a 12.0% increase.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquistion / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Actual Project Costs	\$0	\$0	\$0	\$0	\$496,054	\$496,054
TOTAL COST:	\$0	\$0	\$0	\$0	\$496,054	\$496,054

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Virginia Avenue Between D Street And Nocta Street
Submitting Departments: City Of Ontario Municipal Utilities Company

SW -035

Project Description:

Construct a sewer line along Virginia Avenue between D Street and Nocta Street ((OS-07). construction/contingency cost.

Justification / Consequences of Avoidance:

This project is necessary to be able to meet the sewage collection capacity demand that has been calculated as necessary resulting from proposed development in the General City and existing sewage flows.

Relationship to General Plan Development:

The project is largely related to existing flows and will be financed with utility rate receipts with the remaining amount related to development within the General City area.

Allocation To General Plan Buildout: 19.60%

Reference Document:

Old Model Colony and New Model Colony Sewer Master Plan, April 2012.

Project Timing:

The project is complete. 2019 Update - The final project costs resulted in a 4.4% increase.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Actual Project Costs	\$0	\$0	\$0	\$0	\$216,458	\$216,458
TOTAL COST:	\$0	\$0	\$0	\$0	\$216,458	\$216,458

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Deer Creek Loop And Laurel Tree Drive
Submitting Departments: City Of Ontario Municipal Utilities Company

SW -036

Project Description:

Construct a sewer collection line in the Deer Creek loop and Laurel tree drive (OS-08). Contingency costs are included at 15% of the estimated construction cost. Administration, engineering and construction management are included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

This project is necessary to be able to meet the sewage collection capacity demand that has been calculated as necessary resulting largely from existing sewage flows in the General City area.

Relationship to General Plan Development:

The project is largely related to existing General City existing flows and will be financed with utility rate receipts. The remaining minor amount is attributed to development in the General City.

Allocation To General Plan Buildout: 0.31%

Reference Document:

Old Model Colony and New Model Colony Sewer Master Plan, April 2012.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - The project was re-estimated resulting in a 20.4% increase.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$101,755	\$101,755
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$589,880	\$589,880
4. Contingency	\$0	\$0	\$0	\$0	\$88,482	\$88,482
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$780,117	\$780,117

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Hollowell, Boulder And Holt Avenue
Submitting Departments: City Of Ontario Municipal Utilities Company

SW -037

Project Description:
Construct a sewer line along Hollowell, Boulder and Holt Boulevard (OS-09).

Justification / Consequences of Avoidance:

This project is necessary to be able to meet the sewage collection capacity demand that has been calculated as necessary resulting from proposed development in the General City area and existing sewage flows.

Relationship to General Plan Development:

The project is largely related to existing General City flows and will be financed with utility rate receipts with the remaining demand and costs related to development within the General City.

Allocation To General Plan Buildout: 30.48%

Reference Document:

Old Model Colony and New Model Colony Sewer Master Plan, April 2012.

Project Timing:

The project is complete. 2019 Update - The final project costs resulted in a 14.0% increase.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquistion / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Actual Project Costs	\$0	\$0	\$0	\$0	\$833,748	\$833,748
TOTAL COST:	\$0	\$0	\$0	\$0	\$833,748	\$833,748

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Easement N/O Holt Blvd, E/O Allyn Avenue
Submitting Departments: City Of Ontario Municipal Utilities Company

SW -038

Project Description:

Construct a sewer line along an easement north of Holt Boulevard and east of Allyn Avenue (OS-10).

Justification / Consequences of Avoidance:

This project is necessary to be able to meet the sewage collection capacity demand that has been calculated as necessary resulting from proposed development in the General City area and existing sewage flows.

Relationship to General Plan Development:

The project is largely related to existing flows and will be financed with utility rate receipts with the remaining demand and costs related to development within the General City.

Allocation To General Plan Buildout: 11.19%

Reference Document:

Old Model Colony and New Model Colony Sewer Master Plan, April 2012.

Project Timing:

The project is complete. 2019 Update - The final project costs resulted in a 19.0% increase.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquistion / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Actual Project Costs	\$0	\$0	\$0	\$0	\$36,062	\$36,062
TOTAL COST:	\$0	\$0	\$0	\$0	\$36,062	\$36,062

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Riverside Drive Between Sultana And Campus Avenues
Submitting Departments: City Of Ontario Municipal Utilities Company

SW -039

Project Description:

Construct a sewer line along Riverside Drive between Sultana Avenue and Campus Avenue (OS-11).

Justification / Consequences of Avoidance:

This project is necessary to be able to meet the sewage collection capacity demand that has been calculated as necessary resulting from proposed development in the General City area and existing sewage flows.

Relationship to General Plan Development:

The project is largely related to existing flows and will be financed with utility rate receipts with the remaining demand and costs related to development within to the General City area.

Allocation To General Plan Buildout: 17.54%

Reference Document:

Old Model Colony and New Model Colony Sewer Master Plan, April 2012.

Project Timing:

The project is complete. 2019 Update - The final project costs resulted in a 5.0% increase.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Actual Project Costs	\$0	\$0	\$0	\$0	\$657,740	\$657,740
TOTAL COST:	\$0	\$0	\$0	\$0	\$657,740	\$657,740

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Vineyard S/O Airport And Easement
Submitting Departments: City Of Ontario Municipal Utilities Company

SW -040

Project Description:

Construct a sewer line along Vineyard south of the airport and the easement (OS-15). Contingency costs are included at 15% of the estimated construction cost. Administration, engineering and construction management are included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

This project is necessary to be able to meet the sewage collection capacity demand that has been calculated as necessary resulting from proposed development in the General City area and existing sewage flows.

Relationship to General Plan Development:

The project is largely related to existing flows and will be financed with utility rate receipts with the remaining demand and costs related to development within to the General City area.

Allocation To General Plan Buildout: 30.81%

Reference Document:

Old Model Colony and New Model Colony Sewer Master Plan, April 2012.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - The project was re-estimated.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$150,898	\$150,898
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$874,775	\$874,775
4. Contingency	\$0	\$0	\$0	\$0	\$131,217	\$131,217
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$1,156,890	\$1,156,890

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Mills Circle N/O Mall Drive
Submitting Departments: City Of Ontario Municipal Utilities Company

SW -041

Project Description:

Construct a sewer line along Mills Circle north of Mall Drive (OS-17). Contingency costs are included at 15% of the estimated construction cost. Administration, engineering and construction management are included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

This project is necessary to be able to meet the sewage collection capacity demand that has been calculated as necessary resulting from proposed development in the General City area and existing sewage flows.

Relationship to General Plan Development:

The project is largely related to existing flows and will be financed with utility rate receipts with the remaining demand and costs related to development within the General City area.

Allocation To General Plan Buildout: 33.65%

Reference Document:

Old Model Colony and New Model Colony Sewer Master Plan, April 2012.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - No change in the project cost estimate.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$17,250	\$17,250
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$100,000	\$100,000
4. Contingency	\$0	\$0	\$0	\$0	\$15,000	\$15,000
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$132,250	\$132,250

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Holt Boulevard E/O Vineyard Avenue
Submitting Departments: City Of Ontario Municipal Utilities Company

SW -042

Project Description:

Construct a sewer line along Holt Boulevard east of Vineyard Avenue (OS-18). Contingency costs are included at 15% of the estimated construction cost. Administration, engineering and construction management are included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

This project is necessary to be able to meet the sewage collection capacity demand that has been calculated as necessary resulting from proposed development in General City area and existing sewage flows.

Relationship to General Plan Development:

The project is mostly related to existing flows and will be financed with utility rate receipts with the remaining demand and costs related to development within the General City area.

Allocation To General Plan Buildout: 47.93%

Reference Document:

Old Model Colony and New Model Colony Sewer Master Plan, April 2012.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - The project was re-estimated resulting in a 20.4% increase.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$52,812	\$52,812
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$306,155	\$306,155
4. Contingency	\$0	\$0	\$0	\$0	\$45,923	\$45,923
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$404,890	\$404,890

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Bon View Avenue N/O Francis
Submitting Departments: City Of Ontario Municipal Utilities Company

SW -043

Project Description:
 Construct a sewer line along Bon view Avenue north of Francis Avenue (OS-19).

Justification / Consequences of Avoidance:

This project is necessary to be able to meet the sewage collection capacity the General City area demand that has been calculated as necessary resulting from proposed development in the General City area and existing sewage flows.

Relationship to General Plan Development:

The project is largely related to development within the General City area with the remainder related to existing flows in the General City area to be financed with utility rate receipts.

Allocation To General Plan Buildout: 61.82%

Reference Document:

Old Model Colony and New Model Colony Sewer Master Plan, April 2012.

Project Timing:

The project is complete. 2019 Update - The final project costs resulted in a 5.0% increase.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquistion / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Actual Project Costs	\$0	\$0	\$0	\$0	\$318,923	\$318,923
TOTAL COST:	\$0	\$0	\$0	\$0	\$318,923	\$318,923

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Acacia, Easement, Locust And Parco
Submitting Departments: City Of Ontario Municipal Utilities Company

SW -044

Project Description:

Construct a sewer line along Acacia, an easement, Locust and Parco (OS-20). Contingency costs are included at 15% of the estimated construction cost. Administration, engineering and construction management are included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

This project is necessary to be able to meet the sewage collection capacity demand that has been calculated as necessary resulting from proposed development in the General City area and existing sewage flows.

Relationship to General Plan Development:

The project is largely related to development within the General City area with the remainder related to existing flows in the General City area to be financed with utility rate receipts.

Allocation To General Plan Buildout: 81.28%

Reference Document:

Old Model Colony and New Model Colony Sewer Master Plan, April 2012.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - The project was re-estimated.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$218,278	\$218,278
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$1,265,379	\$1,265,379
5. Equipment / Other	\$0	\$0	\$0	\$0	\$189,807	\$189,807
...	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$1,673,464	\$1,673,464

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Turner Avenue, N/O Cedar Street
Submitting Departments: City Of Ontario Municipal Utilities Company

SW -045

Project Description:

Construct a sewer line along Turner Avenue north of Cedar Street (OS-27). Contingency costs are included at 15% of the estimated construction cost. Administration, engineering and construction management are included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

This project is necessary to be able to meet the sewage collection capacity demand that has been calculated as necessary resulting from proposed development in the General City area and existing sewage flows.

Relationship to General Plan Development:

The project is largely related to development within the General City area with the remainder related to existing flows in the General City area to be financed with utility rate receipts.

Allocation To General Plan Buildout: 81.10%

Reference Document:

Old Model Colony and New Model Colony Sewer Master Plan, April 2012.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - No change.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$17,250	\$17,250
2. Land Acquistion / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$100,000	\$100,000
4. Contingency	\$0	\$0	\$0	\$0	\$15,000	\$15,000
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$132,250	\$132,250

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Holt Avenue Phase A
Submitting Departments: City Of Ontario Municipal Utilities Company

SW -046

Project Description:

Construction of sewer collection improvements near Holt Avenue. This is the actual cost of the completed project.

Justification / Consequences of Avoidance:

This project is necessary to be able to meet the sewage collection capacity demand that has been calculated as necessary resulting from proposed development in the General City area and existing GC sewage flows. However, the project is largely needed to meet existing demand.

Relationship to General Plan Development:

The project is largely related to existing flows and will be financed with utility rate receipts with the remaining amount related to development within to the General City area.

Allocation To General Plan Buildout: 16.55%

Reference Document:

Old Model Colony and New Model Colony Sewer Master Plan, April 2012.

Project Timing:

The project is completed. 2019 Update - The project is completed thus the actual cost is not subject to any cost amendment.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$5,649,689	\$5,649,689
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$5,649,689	\$5,649,689

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Holt Avenue Phase B
Submitting Departments: City Of Ontario Municipal Utilities Company

SW -047

Project Description:

Construct Phase B sewer collection improvements near Holt Avenue. This is the actual cost of the completed project.

Justification / Consequences of Avoidance:

This project is necessary to be able to meet the sewage collection capacity demand that has been calculated as necessary resulting from proposed development in the General City area and existing sewage flows.

Relationship to General Plan Development:

The project is largely related to existing GC flows and will be financed with utility rate receipts with the remaining small percent related to development within to the General City area.

Allocation To General Plan Buildout: 0.94%

Reference Document:

Old Model Colony and New Model Colony Sewer Master Plan, April 2012.

Project Timing:

The project is completed. 2019 Update - The project is completed thus the actual cost is not subject to any cost amendment.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquistion / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$2,406,049	\$2,406,049
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$2,406,049	\$2,406,049

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Share Of Common City Yard Improvements
Submitting Departments: City Of Ontario Municipal Utilities Company

SW -048

Project Description:

Construct the following improvements: 1) Reconfigure some 60,000 square feet of a recently acquired warehouse and office space. 2) Pave approximately ten acres of currently dirt parking lot, primarily for the refuse operation refueling area. 3) Construct additional fleet maintenance operations bays. 4) Construct a new welding shop. 5) Increase security through additional fencing and lighting. 6) Construct additional CNG fueling stations and 7) reconfigure a recently acquired 24,000 square foot building into covered parking to maximize fleet lifetime. The combined improvements have a total projected cost of \$38.2 million and are spread between all City operations that make use of the City yard.

Justification / Consequences of Avoidance:

This amount represents the proportional amount of a total estimated \$38.2 million in structural improvements to the City maintenance yard necessary to meet the increasing demands for greater sewer collection system maintenance capacity. The City has acquired adequate land and has existing structural capacity for the various maintenance demands. This demand for additional structural capacity results from the doubling of all public infrastructures from the Ontario Ranch area and remaining portions of the General City area.

Relationship to General Plan Development:

The City yard improvements are directly related to new development.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Based upon an analysis of demands on City yard capacity and expansion needs.

Project Timing:

The timing of the capital acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - The project has been adjusted by the ENR-BCI increase of 18.2% over the 05/2012 cost estimate.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$517,827	\$517,827
2. Land Acquistion / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$3,138,347	\$3,138,347
4. Contingency	\$0	\$0	\$0	\$0	\$313,835	\$313,835
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$3,970,009	\$3,970,009

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Ontario Ranch Sewer Design Studies
Submitting Departments: City Of Ontario Municipal Utilities Company

SW -049

Project Description:

Recovery of costs incurred by the Ontario Ranch construction group expended on behalf of all other developments. The single Master Plan study consists of Master Plan Guidelines - Sewer. (Added 09/14, report reimbursements).

Justification / Consequences of Avoidance:

The studies were necessary to develop infrastructure requirements that define and benefit all development in the Ontario Ranch area.

Relationship to General Plan Development:

The project benefits new development and future sewer demand generators in the Ontario Ranch area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Ontario Ranch (formerly NMC) Construction Agreement.

Project Timing:

The costs have been expended and are actual. 2019 Update - The project is completed thus the actual cost is not subject to any cost amendment.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Studies	\$0	\$0	\$0	\$0	\$24,302	\$24,302
TOTAL COST:	\$0	\$0	\$0	\$0	\$24,302	\$24,302

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Airport Drive, E/O Main
Submitting Departments: City Of Ontario Municipal Utilities Company

SW -050

Project Description:

Construct 751 linear feet of 8 inch main in Airport Drive from Grove Avenue to the east. Contingency costs are included at 15% of the estimated construction cost. Administration, engineering and construction management are included at 15% of the combined construction/contingency cost.

Justification / Consequences of Avoidance:

The studies were necessary to develop infrastructure requirements that define and benefit all development in the General City area.

Relationship to General Plan Development:

The project is 100% related to development in the General City area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Project added in 2019.

Project Timing:

The costs have been expended and are actual. 2019 Update - The project was added in 2019.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$190,432	\$190,432
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$1,103,954	\$1,103,954
4. Contingency	\$0	\$0	\$0	\$0	\$165,593	\$165,593
5. Equipment / Studies	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$1,459,979	\$1,459,979

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Sewer Collection Facilities
Project Title / Ref#: Grove Avenue Main, S/O Airport Drive
Submitting Departments: City Of Ontario Municipal Utilities Company

SW -051

Project Description:

Construct 864 linear feet of 21-inch main in Grove Avenue from Airport Drive to north of Mission Boulevard. Contingency costs are included at 15% of the estimated construction cost. Administration, engineering and construction management are included at 15% of the combined construction/contingency cost. The project was added in the 2019 update effort.

Justification / Consequences of Avoidance:

The studies were necessary to develop infrastructure requirements that define and benefit all development in the General City area.

Relationship to General Plan Development:

The project is largely related to existing General City flows and will be financed with utility rate receipts with the remaining demand and costs related to development within the General City area.

Allocation To General Plan Buildout: 54.49%

Reference Document:

Project added in 2019.

Project Timing:

The costs have been expended and are actual. 2019 Update - The project was added in 2019.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$241,149	\$241,149
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$1,397,964	\$1,397,964
4. Contingency	\$0	\$0	\$0	\$0	\$209,694	\$209,694
5. Equipment / Studies	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$1,848,807	\$1,848,807

Refuse Collection Facilities and Vehicles

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan - All Plan Areas

Refuse Collection Vehicles, Containers And Facilities

MFP 2018-19 Update

	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Project Build Out Total
RC-001	\$0	\$0	\$0	\$0	\$2,278,514	\$2,278,514
RC-002	\$0	\$0	\$0	\$0	\$4,841,623	\$4,841,623
RC-003	\$0	\$0	\$0	\$0	\$9,160,263	\$9,160,263
RC-004	\$0	\$0	\$0	\$0	\$5,786,420	\$5,786,420
RC-005	\$0	\$0	\$0	\$0	\$1,057,878	\$1,057,878
RC-006	\$0	\$0	\$0	\$0	\$907,753	\$907,753
RC-007	\$0	\$0	\$0	\$0	\$17,965,667	\$17,965,667
TOTALS						
	\$0	\$0	\$0	\$0	\$41,998,118	\$41,998,118

Notes:

1) If project timing is not a component of this effort, then all projects default to their "Thru Build Out" amount.

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

Infrastructure: Refuse Collection Vehicles, Containers And Facilities

Project Title / Ref#: Side Loader Collection Barrels

RC -001

Submitting Departments: City Of Ontario Municipal Utilities Company

Project Description:

The project consists of acquiring 54,250 side loader collection barrels (of all types, trash, green waste and recyclables). The additional barrels are required to meet the additional side loader refuse collection demands resulting from new residential detached dwelling development.

Justification / Consequences of Avoidance:

Refuse needs to be collected in a timely and efficient manner. Additions to the rolling stock and inventory of collection containers will be necessary as the net 59,101 additional residences, 436 commercial lodging units and 99,199,560 square feet of business square feet are added to the City.

Relationship to General Plan Development:

The vehicles, containers and additional facilities will be needed to meet the needs of new development. The existing inventory meets the needs of the existing community.

Allocation To General Plan Buildout: 100.00%

Reference Document:

No specific document, based upon proportional inventory expansion.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - Cost of collection barrels was reduced from \$47.00/barrel to \$42.00/barrel.

PROPOSED EXPENDITURES	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015-2020	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$2,278,514	\$2,278,514
TOTAL COST:	\$0	\$0	\$0	\$0	\$2,278,514	\$2,278,514

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

Infrastructure: Refuse Collection Vehicles, Containers And Facilities

Project Title / Ref#: Side Loader Collection Vehicles

RC -002

Submitting Departments: City Of Ontario Municipal Utilities Company

Project Description:

The project consists of acquiring 15.50 additional side loader collection vehicles. The additional side loader collection vehicles are required to meet the refuse collection demands resulting from new residential detached dwelling development.

Justification / Consequences of Avoidance:

Refuse needs to be collected in a timely and efficient manner. Additions to the rolling stock and inventory of collection containers will be necessary as the net 59,101 additional residences, 436 commercial lodging units and 99,199,560 square feet of business square feet are added to the City.

Relationship to General Plan Development:

The vehicles, containers and additional facilities will be needed to meet the needs of new development. The existing inventory meets the needs of the existing community.

Allocation To General Plan Buildout: 100.00%

Reference Document:

No specific document, based upon proportional inventory expansion.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - The cost of a side loader was increased from \$255,000 to \$312,336 per side loader truck based upon a July, 2018 purchase.

PROPOSED EXPENDITURES	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015-2020	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$4,841,623	\$4,841,623
TOTAL COST:	\$0	\$0	\$0	\$0	\$4,841,623	\$4,841,623

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

Infrastructure: Refuse Collection Vehicles, Containers And Facilities

Project Title / Ref#: Front Loader Collection Bins

RC -003

Submitting Departments: City Of Ontario Municipal Utilities Company

Project Description:

The project consists of acquiring 13,201- four cubic yard bins. The additional four cubic yard collection bins are required to meet the additional refuse collection demands resulting from new high density dwelling unit residential, commercial lodging units and business use development.

Justification / Consequences of Avoidance:

Refuse needs to be collected in a timely and efficient manner. Additions to the rolling stock and inventory of collection containers will be necessary as the net 59,101 additional residences, 436 commercial lodging units and 99,199,560 square feet of business square feet are added to the City.

Relationship to General Plan Development:

The vehicles, containers and additional facilities will be needed to meet the needs of new development. The existing inventory meets the needs of the existing community.

Allocation To General Plan Buildout: 100.00%

Reference Document:

No specific document, based upon proportional inventory expansion.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - the cost of a 4 CY bin was increased 10% based upon the CPI increase over 2012 (from \$630.78 to \$693.86/ 4 CY bin).

PROPOSED EXPENDITURES	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015-2020	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$9,160,263	\$9,160,263
TOTAL COST:	\$0	\$0	\$0	\$0	\$9,160,263	\$9,160,263

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

Infrastructure: Refuse Collection Vehicles, Containers And Facilities

Project Title / Ref#: Front Loader Collection Vehicles

RC -004

Submitting Departments: City Of Ontario Municipal Utilities Company

Project Description:

The project consists of acquiring 18.15 additional new front loaders. The additional collection vehicles are required to meet the needs of new residential high density dwelling unit, commercial lodging and business use demands of new development. This type of vehicle will also be used for the City's new organic waste collection program.

Justification / Consequences of Avoidance:

Refuse needs to be collected in a timely and efficient manner. Additions to the rolling stock and inventory of collection containers will be necessary as the net 59,101 additional residences, 436 commercial lodging units and 99,199,560 square feet of business square feet are added to the City.

Relationship to General Plan Development:

The vehicles, containers and additional facilities will be needed to meet the needs of new development. The existing inventory meets the needs of the existing community.

Allocation To General Plan Buildout: 100.00%

Reference Document:

No specific document, based upon proportional inventory expansion.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. All costs are at nominal, or current dollar value. 2019 Update - The cost of a side loader was increased from \$250,000 to \$318,811 per front loader truck based upon a July, 2018 purchase.

PROPOSED EXPENDITURES	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015-2020	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$5,786,420	\$5,786,420
TOTAL COST:	\$0	\$0	\$0	\$0	\$5,786,420	\$5,786,420

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

Infrastructure: Refuse Collection Vehicles, Containers And Facilities

Project Title / Ref#: Roll-Off Boxes

RC -005

Submitting Departments: City Of Ontario Municipal Utilities Company

Project Description:

The project consists of acquiring approximately 175 new forty cubic yard roll-off boxes. The additional 40 cubic yard roll-off bins are required to meet of additional collection needs of new industrial/manufacturing resulting from new development.

Justification / Consequences of Avoidance:

Refuse needs to be collected in a timely and efficient manner. Additions to the rolling stock and inventory of collection containers will be necessary as the net 59,101 additional residences, 436 commercial lodging units and 99,199,560 square feet of business square feet are added to the City.

Relationship to General Plan Development:

The vehicles, containers and additional facilities will be needed to meet the needs of new development. The existing inventory meets the needs of the existing community.

Allocation To General Plan Buildout: 100.00%

Reference Document:

No specific document, based upon proportional inventory expansion.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column.

PROPOSED EXPENDITURES	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015-2020	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$1,057,878	\$1,057,878
TOTAL COST:	\$0	\$0	\$0	\$0	\$1,057,878	\$1,057,878

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

Infrastructure: Refuse Collection Vehicles, Containers And Facilities

Project Title / Ref#: Roll-Off Collection Vehicles

RC -006

Submitting Departments: City Of Ontario Municipal Utilities Company

Project Description:

The project consists of acquiring approximately 3.51 new forty cubic yard roll-off collection vehicles. The additional collection vehicles are required to meet of additional collection needs of new industrial/manufacturing resulting from new development.

Justification / Consequences of Avoidance:

Refuse needs to be collected in a timely and efficient manner. Additions to the rolling stock and inventory of collection containers will be necessary as the net 59,101 additional residences, 436 commercial lodging units and 99,199,560 square feet of business square feet are added to the City.

Relationship to General Plan Development:

The vehicles, containers and additional facilities will be needed to meet the needs of new development. The existing inventory meets the needs of the existing community.

Allocation To General Plan Buildout: 100.00%

Reference Document:

No specific document, based upon proportional inventory expansion.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - The cost of a side loader was increased from \$220,000 to \$258,619 per roll-off collection truck based upon a July, 2018 purchase.

PROPOSED EXPENDITURES	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015-2020	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$907,753	\$907,753
TOTAL COST:	\$0	\$0	\$0	\$0	\$907,753	\$907,753

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

Infrastructure: Refuse Collection Vehicles, Containers And Facilities

Project Title / Ref#: Share Of Common City Yard Improvements

RC -007

Submitting Departments: City Of Ontario Municipal Utilities Company

Project Description:

Construct the following improvements: 1) Reconfigure some 60,000 square feet of a recently acquired warehouse and office space. 2) Pave approximately ten acres of currently dirt parking lot, primarily for the refuse operation refueling area. 3) Construct additional fleet maintenance operations bays. 4) Construct a new welding shop. 5) Increase security through additional fencing and lighting. 6) Construct additional CNG fueling stations and 7) reconfigure a recently acquired 24,000 square foot building into covered parking to maximize fleet lifetime. The combined improvements have a total projected cost of \$38.2 million and are spread between all City operations that make use of the City yard.

Justification / Consequences of Avoidance:

This amount represents the proportional amount of a total estimated \$38.2 million in structural improvements to the City maintenance yard necessary to meet the increasing demands for greater refuse collection system maintenance capacity. The City has acquired adequate land and has existing structural capacity for the various maintenance demands. This demand for additional structural capacity results from the doubling of all public infrastructure from the Ontario Ranch area and remaining portions of the General City area.

Relationship to General Plan Development:

The vehicles, containers and additional facilities will be needed to meet the needs of new development. The existing inventory meets the needs of the existing community.

Allocation To General Plan Buildout: 100.00%

Reference Document:

No specific document, based upon proportional inventory expansion.

Project Timing:

The timing of the capital construction or acquisition described herein, was not included in the scope of the engagement, thus all project costs default to the "build-out" column. 2019 Update - The project has been adjusted by the ENR-BCI increase of 18.2% over the 05/2012 cost estimate.

PROPOSED EXPENDITURES	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015-2020	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$2,343,348	\$2,343,348
2. Land Acquistion / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$14,202,108	\$14,202,108
4. Contingency	\$0	\$0	\$0	\$0	\$1,420,211	\$1,420,211
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$17,965,667	\$17,965,667

General Facilities, Vehicles and Equipment

CITY OF ONTARIO, CALIFORNIA
Master Facilities Plan - All Plan Areas
General Facilities, Vehicles And Equipment
MFP 2018-19 Update

	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Project Build Out Total
GF -001	\$0	\$0	\$0	\$0	\$13,345,000	\$13,345,000
GF -002	\$0	\$0	\$0	\$0	\$585,750	\$585,750
GF -003	\$0	\$0	\$0	\$0	\$12,096,920	\$12,096,920
GF -004	\$0	\$0	\$0	\$0	\$2,327,949	\$2,327,949
GF -005	\$0	\$0	\$0	\$0	\$1,563,822	\$1,563,822
TOTALS						
	\$0	\$0	\$0	\$0	\$29,939,441	\$29,939,441

Notes:
 1) If project timing is not a component of this effort, then all projects default to their "Thru Build Out" amount.

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: General Facilities, Vehicles And Equipment

Project Title / Ref#: City Hall And Annex Reconfiguration

GF -001

Submitting Departments: Central Management

Project Description:

This project represents the cost (to date) of reconfiguring the City Hall and the City Hall Annex (former Police Station) into general office space. It also includes the future cost of completing the remaining reconfiguration of the Annex as it is not yet been completed. Some of the DIF proceeds will be used to complete the Emergency Operation Center. The cost estimate is a minimal increase over the 2010 Development Impact Fee Calculation and Nexus Update Report.

Justification / Consequences of Avoidance:

As the City doubles in size, (population, businesses, residences, infrastructure, etc.) there will be a need for additional office space. The demand created by future development will benefit from the City having a building become available such as the former police facility but will need to contribute by constructing the reconfiguration. The reconfiguration provides a very inexpensive alternative to constructing additional office square footage.

Relationship to General Plan Development:

The additional space will be required over time as the City expands. The existing facilities are sufficient for the existing community. A small amount has been attributed to the existing community, but most of it, 80%, is required for accommodating the demands of new development.

Allocation To General Plan Buildout: 80.00%

Reference Document:

None.

Project Timing:

The timing of the capital construction or acquisition herein, is not included in the scope of this engagement, thus all project costs default to the "Build-out" column. 2019 Update - While the largest portion of this project (City Hall) is complete other future improvements may need to be undertaken. However, there are not enough specific plans to warrant an increase to the 2012 cost estimate.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$13,345,000	\$13,345,000
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$13,345,000	\$13,345,000

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: General Facilities, Vehicles And Equipment

Project Title / Ref#: Expansion Of Administrative Pool Car Fleet

GF -002

Submitting Departments: Central Management

Project Description:

Expand the City Hall pool vehicle fleet. Vehicles would consist of standard sedans, small trucks and some four wheel drive vehicles. The cost estimate is the same as in the 2010 Development Impact Fee Calculation and Nexus Report update.

Justification / Consequences of Avoidance:

The City will require additional unassigned pool cars as the City experiences additional demands for code enforcement, mail and supply, planning and engineering staff on-site inspections, and other required services.

Relationship to General Plan Development:

The vehicles would be additions to the existing fleet and thus is fully attributed to new development.

Allocation To General Plan Buildout: 100.00%

Reference Document:

None.

Project Timing:

The timing of the capital construction or acquisition herein, is not included in the scope of this engagement, thus all project costs default to the "Build-out" column. 2019 Update - The project has been adjusted by the CPI increase of 10.0% over the 05/2012 cost estimate).

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$585,750	\$585,750
TOTAL COST:	\$0	\$0	\$0	\$0	\$585,750	\$585,750

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: General Facilities, Vehicles And Equipment
Project Title / Ref#: Electronic Specialty Equipment/Computer Hardware/Software
Submitting Departments: Central Management

GF -003

Project Description:

Expand the City's electronic software, storage and processing capacity. The cost estimate is the same as in the 2010 Development Impact Fee Calculation and Nexus Report update.

Justification / Consequences of Avoidance:

Additional general electronic capacity would need to be acquired over General Plan build-out to accommodate additional data demands required as a result of additional citizens and businesses.

Relationship to General Plan Development:

The equipment would be additions to the existing capacity and thus fully attributed to new development.

Allocation To General Plan Buildout: 100.00%

Reference Document:

No specific document, based upon proportional inventory expansion.

Project Timing:

The timing of the capital construction or acquisition herein, is not included in the scope of this engagement, thus all project costs default to the "Build-out" column. 2019 Update - The project has been adjusted by the CPI increase of 10.0% over the 05/2012 cost estimate).

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$12,096,920	\$12,096,920
TOTAL COST:	\$0	\$0	\$0	\$0	\$12,096,920	\$12,096,920

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: General Facilities, Vehicles And Equipment

Project Title / Ref#: City Animal Holding Facility

GF -004

Submitting Departments: Central Management

Project Description:

Acquire an acre of land and construct an animal holding facility. The facility would have holding pens, runs and exercise facilities, indoor small animal holding facilities and an administrative wing. No specific location, other than the City yard, has been selected for this facility.

Justification / Consequences of Avoidance:

Animal management services are a municipal responsibility. The City currently contracts for services from the Inland Valley Humane Society. The City shares a shelter provided under the contract. Expanding the size of the City will likely force the City over a threshold and put it in a position of needing to directly provide the services.

Relationship to General Plan Development:

The costs are split proportionally between the existing community and the future community based upon existing and additional residential units.

Allocation To General Plan Buildout: 59.85%

Reference Document:

None, staff projections.

Project Timing:

The timing of the capital construction or acquisition herein, is not included in the scope of this engagement, thus all project costs default to the "Build-out" column. 2019 Update - The project has been adjusted by the ENR-BCI increase of 18.2% over the 05/2012 cost estimate.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$244,950	\$244,950
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$450,000	\$450,000
3. Construction	\$0	\$0	\$0	\$0	\$1,484,545	\$1,484,545
4. Contingency	\$0	\$0	\$0	\$0	\$148,454	\$148,454
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$2,327,949	\$2,327,949

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: General Facilities, Vehicles And Equipment

Project Title / Ref#: Share Of Common City Yard Improvements

GF -005

Submitting Departments: Central Management

Project Description:

Construct the following improvements: 1) Reconfigure some 60,000 square feet of a recently acquired warehouse and office space. 2) Pave approximately ten acres of currently dirt parking lot, primarily for the refuse operation refueling area. 3) Construct additional fleet maintenance operations bays. 4) Construct a new welding shop. 5) Increase security through additional fencing and lighting. 6) Construct additional CNG fueling stations and 7) reconfigure a recently acquired 24,000 square foot building into covered parking to maximize fleet lifetime. The combined improvements have a total projected cost of \$38.2 million and are spread between all City operations that make use of the City yard.

Justification / Consequences of Avoidance:

This amount represents the proportional amount of a total estimated \$38.2 million in structural improvements to the City maintenance yard necessary to meet the increasing demands for greater general facilities maintenance capacity (vehicles and structures). The City has acquired adequate land and has existing structural capacity for the various maintenance demands. This demand for additional structural capacity results from the doubling of all public infrastructures from the Ontario Ranch and remaining portions of the General City area.

Relationship to General Plan Development:

The existing yard meets the City's needs quite well. The existing land holdings are adequate and sufficient, but some of the more recently acquired parcels and buildings will need some reconfiguring to be sufficient and adequate for future development-generated demands.

Allocation To General Plan Buildout: 100.00%

Reference Document:

No specific document, based upon proportional inventory expansion.

Project Timing:

The timing of the capital construction or acquisition herein, is not included in the scope of this engagement, thus all project costs default to the "Build-out" column. 2019 Update - The project has been adjusted by the ENR-BCI increase of 18.2% over the 05/2012 cost estimate.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$206,586	\$206,586
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$1,252,033	\$1,252,033
4. Contingency	\$0	\$0	\$0	\$0	\$125,203	\$125,203
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$1,583,822	\$1,583,822

Library Facilities

CITY OF ONTARIO, CALIFORNIA
Master Facilities Plan - All Plan Areas
Library Facilities And Collection
MFP 2018-19 Update

	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Project Build Out Total
LB -001 Library Facilities Space Expansion	\$0	\$0	\$0	\$0	\$55,677,517	\$55,677,517
LB -002 Library Collection Expansion	\$0	\$0	\$0	\$0	\$10,299,921	\$10,299,921
TOTALS	\$0	\$0	\$0	\$0	\$65,977,438	\$65,977,438

Notes:
 1) If project timing is not a component of this effort, then all projects default to their "Thru Build Out" amount.

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Library Facilities And Collection
Project Title / Ref#: Library Facilities Space Expansion
Submitting Departments: Community & Public Services Agency

LB -001

Project Description:

The project consists of the acquisition of land and construction of a total of 86,810 square feet of library space in one or more locations in order to maintain pace with new development-generated residential population growth. The expansion needs roughly relate to 15,554 square feet to new General City residents and some 71,256 square feet to service the anticipated Ontario Ranch new residents. Contingency costs are included as a normal part of the construction estimate at 10%. Project administration, consisting of engineering, construction management and contract administration is included at 15% of the combined construction and contingency costs. (Amended 09/14, land acquisition costs).

Justification / Consequences of Avoidance:

The proposed expansion will provide the square footage necessary to maintain the current ratio of floor space to residential patrons as is offered at this point in time. The current level of service standard is 0.439 square feet of space per City resident. Were no additional library space be added to the City, the standard would drop to 0.201 square feet per person at general Plan build-out.

Relationship to General Plan Development:

The Library Land Acquisition and Construction development impact fee schedule is necessary to accommodate new development and are intended to prevent the diminishment of library facilities availability to the existing community.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Based upon the City's Aesthetic, Cultural, Open Space and Recreation Resources GP Element.

Project Timing:

The timing of the capital construction or acquisition herein, is not included in the scope of this engagement, thus all project costs default to the "Build-out" column. In general, Ontario Ranch projects will be constructed as needed and as DIF receipts are collected.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$6,786,738	\$6,786,738
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$3,645,862	\$3,645,862
3. Construction	\$0	\$0	\$0	\$0	\$41,131,743	\$41,131,743
4. Contingency	\$0	\$0	\$0	\$0	\$4,113,174	\$4,113,174
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$55,677,517	\$55,677,517

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Library Facilities And Collection
Project Title / Ref#: Library Collection Expansion
Submitting Departments: Community & Public Services Agency

LB -002

Project Description:

This project consists of acquisition and processing of approximately 340,392 additional library collection items to increase the public library's collection in order to maintain pace with new residential home construction and occupancy. Collection items consist of books, books/movies on CDs, documents, and other long-term items. The City enjoys a standard of approximately 1.722 collection items per resident. The General City area will require approximately 60,990 collection items and Ontario Ranch area will require 279,402 collection items to maintain the current standard.

Justification / Consequences of Avoidance:

The proposed expansion will provide the collection additions necessary to maintain the current ratio of collection items to residential patrons as is offered at this point in time. The current level of service standard is 1.722 collection items per resident. Should the current collection not be expanded, the number of collection items per resident would drop to about 0.787 collection items per resident at General Plan build-out. The 340,392 additional collection items represents the amount necessary to maintain the current standard.

Relationship to General Plan Development:

The library collection item development impact fees are necessary to accommodate new development and are intended to prevent the diminishment of the library collection availability to the existing community.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Based upon the City's Aesthetic, Cultural, Open Space and Recreation Resources GP Element.

Project Timing:

The timing of the capital construction or acquisition herein, is not included in the scope of this engagement, thus all project costs default to the "Build-out" column. In general, Ontario Ranch projects will be constructed as needed and as DIF receipts are collected. Acquisition collection item costs were increased by the 10.% increase in the CPI over 2012.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$10,299,921	\$10,299,921
TOTAL COST:	\$0	\$0	\$0	\$0	\$10,299,921	\$10,299,921

Public Use
(community center) Facilities

CITY OF ONTARIO, CALIFORNIA
Master Facilities Plan - All Plan Areas
Public Use (Community Centers) Facilities
MFP 2018-19 Update

	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Project Build Out Total
PF -001 Public Use Community Center Space Expansion	\$0	\$0	\$0	\$0	\$72,667,747	\$72,667,747
TOTALS	\$0	\$0	\$0	\$0	\$72,667,747	\$72,667,747

Notes:
 1) If project timing is not a component of this effort, then all projects default to their "Thru Build Out" amount.

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Public Use (Community Centers) Facilities
Project Title / Ref#: Public Use Community Center Space Expansion
Submitting Departments: Community & Public Services Agency

PF -001

Project Description:

Acquire land for and construct approximately 135,751 square feet community center for a broad range of public uses. The facilities would contain various rooms for classes, meetings, and sports activities. They may also have a "serving kitchen" and banquet facilities. (Amended 09/14, land acquisition costs).

Justification / Consequences of Avoidance:

The City has a public use facilities community center standard of 0.688 square feet per resident based upon the existing 114,217 square feet of existing public use facilities divided by the 2012 State of California Department of Finance population estimate of 166,134. Failure to maintain that standard would force the City to continually reduce the level of services to its citizens. The Community & Services Agency would not be able to meet requests for space by instructors, groups and individual citizens.

Relationship to General Plan Development:

The Community Center land acquisition and development impact fees are necessary to accommodate new development and are intended to prevent the diminishment of public use facilities availability to the existing community.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Based upon the City's Aesthetic, Cultural, Open Space and Recreation Resources GP Element.

Project Timing:

The timing of the capital construction or acquisition herein, is not included in the scope of this engagement, thus all project costs default to the "Build-out" column. In general, Ontario Ranch projects will be constructed as needed and as DIF receipts are collected. Square foot construction costs were amended to match that of the library construction cost as both uses would require the same costs. Land costs have been increased to \$585,000 per acre.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$8,692,642	\$8,692,642
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$6,024,156	\$6,024,156
3. Construction	\$0	\$0	\$0	\$0	\$52,682,681	\$52,682,681
4. Contingency	\$0	\$0	\$0	\$0	\$5,268,268	\$5,268,268
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$72,667,747	\$72,667,747

Aquatics Facilities

CITY OF ONTARIO, CALIFORNIA
Master Facilities Plan - All Plan Areas
Aquatics Facilities
MFP 2018-19 Update

	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Project Build Out Total
AQ-001 Aquatics Centers - Pool Expansion	\$0	\$0	\$0	\$0	\$12,040,000	\$12,040,000
TOTALS	\$0	\$0	\$0	\$0	\$12,040,000	\$12,040,000

Notes:
 1) If project timing is not a component of this effort, then all projects default to their "Thru Build Out" amount.

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Aquatics Facilities
Project Title / Ref#: Aquatics Centers - Pool Expansion
Submitting Departments: Community & Public Services Agency

AQ -001

Project Description:

One of the park amenities planned for inclusion within the Great Park is a public Aquatics Center. This amenity is to be located within the active sports area of the Great Park and serve the Ontario Ranch neighborhoods and the General City areas with a combo community center/aquatic center building programmed with full recreational activities. The aquatic center will serve as the local community plunge offering an Olympic sized pool to provide community aquatic opportunities for swim lessons, swim competition, recreational family swim and recreational exercise swimming.

Justification / Consequences of Avoidance:

The construction of additional pool surface square feet based upon the collection of impact fee receipts would merely maintain the existing standard of square foot of surface per resident. The existing pools would prove inadequate to meet the aquatics needs of the City's future residents, in particular, the Ontario Ranch area where there are no aquatics facilities.

Relationship to General Plan Development:

The aquatics DIFs are necessary to accommodate new development and are intended to prevent the diminishment of the availability to the existing community of the City's existing pool complexes.

Allocation To General Plan Buildout: 36.28%

Reference Document:

Based upon the City's Aesthetic, Cultural, Open Space and Recreation Resources GP Element.

Project Timing:

The timing of the capital construction or acquisition herein, is not included in the scope of this engagement, thus all project costs default to the "Build-out" column. In general, Ontario Ranch projects will be constructed as needed and as DIF receipts are collected. 2019 Update - Project costs were updated by the 20.4% increase in the ENR- CCI index over 2012.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$1,570,435	\$1,570,435
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$9,517,785	\$9,517,785
4. Contingency	\$0	\$0	\$0	\$0	\$951,780	\$951,780
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$12,040,000	\$12,040,000

Park Land Acquisition And Park Improvements

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan - All Plan Areas

Park Land Acquisition And Park Infrastructure Development MFP 2018-19 Update

	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Project Build Out Total
PK -001 Park Land Acquisition And Park Facilities Development	\$0	\$0	\$0	\$0	\$685,268,923	\$685,268,923
PK -002 Park Maintenance Vehicles	\$0	\$0	\$0	\$0	\$2,612,226	\$2,612,226
PK -003 Share Of Common City Yard Improvements	\$0	\$0	\$0	\$0	\$4,047,273	\$4,047,273
TOTALS	\$0	\$0	\$0	\$0	\$691,928,422	\$691,928,422

Notes:

1) If project timing is not a component of this effort, then all projects default to their "Thru Build Out" amount.

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Park Land Acquisition And Park Infrastructure Development

Project Title / Ref#: Park Land Acquisition And Park Facilities Development

PK -001

Submitting Departments: Community & Public Services Agency

Project Description:

Acquire land for and develop approximately 592 acres of a combination of community/sports park acres designed to meet the community's youth/adult needs for both passive/programmed sports/activity uses. Improvements would include grading, irrigation, turf, sports infrastructure, playground climbing apparatus, drinking fountains, restrooms, group picnicking facilities, BBQs, benches, metered walking and bike paths and passive open green space. Contingency costs are included at 10% of the estimated construction cost. Administration, engineering and construction management are included at 15% of the combined construction/contingency cost. Neighborhood, or local, parks are added as a condition of approval consistent with the size of the proposed residential development. (Amended 09/14, land acquisition costs).

Justification / Consequences of Avoidance:

The City currently enjoys a park standard of 2.74 acres per 1,000 residents based upon a 454.62 park acres and a 2012 California State Department of Finance population of 166,134. The Quimby Act allows the City to adopt a standard of 3.0 acres per 1,000 if the City is below that figure. In order for the City to maintain the 3.0 acres per 1,000 resident's standard, while potential adding the residents from some 59,100 additional residential dwellings, the City would need to add a combination of 592 acres of community and sports parks. There are no such specific plans for any particular combination of for the 592 acres of parks, beyond the conceptual Great Park plans, that could be financed from the DIF receipts.

Relationship to General Plan Development:

The park land acquisition and park facilities Development Impact Fees are necessary to accommodate new development and are intended to prevent the diminishment of park availability to the existing community.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Based upon the City's Aesthetic, Cultural, Open Space and Recreation Resources GP Element.

Project Timing:

The timing of the capital construction or acquisition herein, is not included in the scope of this engagement, thus all project costs default to the "Build-out" column. 2019 Update - Increase is due to an increase in land acquisition costs to \$585,000 per acre. This project includes the expenditure of an addition \$10.0 million in fund balance

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	Total all Years
1. Design / Engineering / Administrative	\$0	\$0	\$0	\$0	\$38,635,445	\$38,635,445
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$379,050,365	\$379,050,365
3. Construction	\$0	\$0	\$0	\$0	\$234,154,217	\$234,154,217
4. Contingency	\$0	\$0	\$0	\$0	\$23,415,422	\$23,415,422
5. Existing Fund Balance Expenditure:	\$0	\$0	\$0	\$0	\$10,013,474	\$10,013,474
TOTAL COST:	\$0	\$0	\$0	\$0	\$685,268,923	\$685,268,923

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Park Land Acquisition And Park Infrastructure Development

Project Title / Ref#: Park Maintenance Vehicles

PK -002

Submitting Departments: Community & Public Services Agency

Project Description:

Acquire the park maintenance vehicles necessary and sufficient to maintain the approximately 592 additional acres of a combination of community and sports park acres designed to meet the community's youth and adult needs for both passive and programmed sports and activity use.

Justification / Consequences of Avoidance:

The City's existing park maintenance fleet would become overwhelmed by the addition of 592 acres of park.

Relationship to General Plan Development:

The park land acquisition and Development Impact Fees are necessary to accommodate new development and are intended to prevent the diminishment of park availability to the existing community.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Based upon the City's Aesthetic, Cultural, Open Space and Recreation Resources GP Element.

Project Timing:

The timing of the capital construction or acquisition herein, is not included in the scope of this engagement, thus all project costs default to the "Build-out" column. 2019 Update Maintenance vehicles were increased by the 10% CPI increase over 2012.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$2,612,226	\$2,612,226
TOTAL COST:	\$0	\$0	\$0	\$0	\$2,612,226	\$2,612,226

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: Park Land Acquisition And Park Infrastructure Development

Project Title / Ref#: Share Of Common City Yard Improvements

PK -003

Submitting Departments: Community & Public Services Agency

Project Description:

Construct the following improvements: 1) Reconfigure some 60,000 square feet of a recently acquired warehouse and office space. 2) Pave approximately ten acres of currently dirt parking lot, primarily for the refuse operation refueling area. 3) Construct additional fleet maintenance operations bays. 4) Construct a new welding shop. 5) Increase security through additional fencing and lighting. 6) Construct additional CNG fueling stations and 7) reconfigure a recently acquired 24,000 square foot building into covered parking to maximize fleet lifetime. The combined improvements have a total projected cost of \$38.2 million and are spread between all City operations that make use of the City yard.

Justification / Consequences of Avoidance:

This amount represents the proportional amount of a total estimated \$38.2 million in structural improvements to the City maintenance yard necessary to meet the increasing demands for greater park system maintenance capacity. The City has acquired adequate land and has existing structural capacity for the various maintenance demands. This demand for additional structural capacity results from the doubling of all public infrastructure from the Ontario ranch area and remaining portions of the General City area.

Relationship to General Plan Development:

The project benefits future development within both the General City and Ontario Ranch areas.

Allocation To General Plan Buildout: 100.00%

Reference Document:

Based upon the City's Aesthetic, Cultural, Open Space and Recreation Resources GP Element.

Project Timing:

The timing of the capital construction or acquisition herein, is not included in the scope of this engagement, thus all project costs default to the "Build-out" column. 2019 Update - The project was increased by the 18.2% increase in the ENR - BCI index over 2012.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$527,905	\$527,905
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$3,199,425	\$3,199,425
4. Contingency	\$0	\$0	\$0	\$0	\$319,943	\$319,943
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$4,047,273	\$4,047,273

FiberOptics System

CITY OF ONTARIO, CALIFORNIA
Master Facilities Plan - All Plan Areas
FiberOptics System
MFP 2018-19 Update

	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	Project Build Out Total
FO -001 Head End Facilities (Points Of Presence System)	\$0	\$0	\$0	\$0	\$464,992	\$464,992
FO -002 Core Network - Planning/Installation - Equipment/Facilities	\$0	\$0	\$0	\$0	\$18,736,284	\$18,736,284
FO -003 Implementation (Completed)	\$0	\$0	\$0	\$0	\$0	\$0
FO -004 Distribution Network - Major Streets Conduit System	\$0	\$0	\$0	\$0	\$9,819,358	\$9,819,358
FO -005 System Distribution Network - Fiber System	\$0	\$0	\$0	\$0	\$10,630,463	\$10,630,463
FO -006 Cabling System - Residential/Non-Residential	\$0	\$0	\$0	\$0	\$35,684,003	\$35,684,003
FO -007 Fiber Equipment Within Residential Units	\$0	\$0	\$0	\$0	\$20,142,321	\$20,142,321
FO -008 Fiber Equipment Within Non-Residential Areas	\$0	\$0	\$0	\$0	\$8,702,748	\$8,702,748
TOTALS	\$0	\$0	\$0	\$0	\$104,180,169	\$104,180,169

Notes:
1) If project timing is not a component of this effort, then all projects default to their "Thru Build Out" amount.

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: FiberOptics System
Project Title / Ref#: Head End Facilities (Points Of Presence System)
Submitting Departments: Information Technology

FO -001

Project Description:

This project consists of the construction and installation of Point-of-Presence (POP) facilities and equipment that are categorized as Head End Facilities. The Head End facilities are a critical part of the Fiber Communications system. The Head End facilities will be located in several strategic locations, including City Hall, City Arena, and two separate locations within the Ontario Ranch area. These Head end facilities will provide the primary services hub for the delivery of services to the end-user. The Head End Facilities will provide a reliable FTTH System, through diversity and by leveraging a ring design, with redundant connections throughout System and multiple content feeds. This Project includes the installation of equipment in existing City facilities, including specialized power systems, fire suppression systems, back-up power systems and fiber optic distribution equipment. This Project also includes site development costs and pre-fabricated structure

Justification / Consequences of Avoidance:

The Project is a requirement for the provision of a Fiber Optics Communication system to serve the Ontario Ranch area. Multiple locations are required to provide redundancy and avoid service outages.

Relationship to General Plan Development:

The Project will primarily provide services to the new development in the Ontario Ranch area. A portion of the Project located within existing City facilities may also provide the potential to provide Fiber optic communications services to a limited area of the General City at some point in the future. All potential project costs related to future services to the General City have been removed from the estimated Project costs. The estimated Project costs are fully related to new development in the Ontario Ranch area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

None, staff projections.

Project Timing:

A Major portion of the Project will need to be constructed and completed to enable the initiation of services to the Ontario Ranch area. The remainder of the Project may be constructed as the system expands and DIF receipts are collected. 2019 Update - No changes have been made in this 2019 effort.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$60,651	\$60,651
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$367,583	\$367,583
4. Contingency	\$0	\$0	\$0	\$0	\$36,758	\$36,758
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$464,992	\$464,992

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: FiberOptics System
Project Title / Ref#: Core Network - Planning/Installation - Equipment/Facilities
Submitting Departments: Information Technology

FO -002

Project Description:

This Project includes the planning services and pre-development services required for the design of an effective FTTH, including pre-design work with legal and specialized consulting services, preliminary review of available FTTH system alternatives. This Project also includes development of system standards and coordinating standards for conduit design within residential developments. In addition to the planning and pre-development services, this Project includes the acquisition and installation of the Core Network system. This includes the acquisition and installation of fiber optic cabling and fiber optic distribution systems between the Points-of-Presence locations in the existing City facilities and Ontario Ranch locations. The resulting Core Network system will distribute fiber optic services in a manner that will provide redundancy and service reliability.

Justification / Consequences of Avoidance:

The Project is needed to provide Fiber Optic system services to the Ontario Ranch area.

Relationship to General Plan Development:

The Project will primarily provide services to the new development in the Ontario Ranch area. A portion of the Project located within existing City facilities may also provide the potential to provide Fiber optic communications services to a limited area of the General City at some point in the future. All potential project costs related to future services to the General City have been removed from the estimated Project costs. The estimated Project costs are fully related to new development in the Ontario Ranch area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

None, staff projections.

Project Timing:

A major portion of the Project will need to be constructed and completed to enable the initiation of fiber optic services to the Ontario Ranch area. The remainder of the Project may be constructed as the system expands and DIF receipts are collected. 2019 Update - No changes have been made in this 2019 effort.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	Total all Years
1. Design / Engineering / Administrative	\$0	\$0	\$0	\$0	\$2,443,863	\$2,443,863
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$14,811,292	\$14,811,292
4. Contingency	\$0	\$0	\$0	\$0	\$1,481,129	\$1,481,129
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$18,736,284	\$18,736,284

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: FiberOptics System
Project Title / Ref#: Implementation (Completed)
Submitting Departments: Information Technology
Project Description:
This portion of the project was completed with non-DIF financing.

FO -003

Justification / Consequences of Avoidance:
The portion of the larger project has been completed.

Relationship to General Plan Development:
This portion of the larger project has been completed.

Allocation To General Plan Buildout: 0.00%

Reference Document:
None, staff projections.

Project Timing:
The project was constructed with a combination of other funding sources, builder cooperation and City in-tract requirements for new residential development in the Ontario Ranch area.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$0	\$0
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$0	\$0
4. Contingency	\$0	\$0	\$0	\$0	\$0	\$0
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$0	\$0

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: FiberOptics System
Project Title / Ref#: Distribution Network - Major Streets Conduit System
Submitting Departments: Information Technology

FO -004

Project Description:

This Project consists of the construction of the Fiber Optic Distribution Network in the major streets in the Ontario Ranch area and to connect the Fiber Optic system in the Ontario Ranch area to the locations in the existing City facilities. The Project will include the construction of approximately 359,400 linear feet of conduit to be constructed within the rights-of-way of the major streets in the Ontario Ranch area. Construction of this conduit will allow for the additional installation of fiber cabling to provide the Primary Ring, Secondary Ring, and Lateral portions of the Ontario Ranch Fiber Optics system. This conduit will also allow for the installation of the fiber cabling to provide the connections between the various Points-of-Presence facilities in the existing City facilities and the Ontario Ranch facility locations.

Justification / Consequences of Avoidance:

The Project is a requirement for the provision of a Fiber Optics Communication system to serve the Ontario Ranch area. The installation of conduit is required in all major streets to provide minimum system capabilities, including traffic signal timing coordination and other City utility functions in the Ontario Ranch area.

Relationship to General Plan Development:

The Project will provide services to the new development in the Ontario Ranch area only. The estimated Project costs are fully related to new development in the Ontario Ranch area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

None, staff projections.

Project Timing:

An initial portion of the Project will be constructed to enable the initiation of services to the Ontario Ranch area. The remainder of the Project is anticipated to be constructed at the time the major streets are constructed and the system expands. 2019 Update - No changes have been made in this 2019 effort.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$1,280,786	\$1,280,786
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$7,762,338	\$7,762,338
4. Contingency	\$0	\$0	\$0	\$0	\$776,234	\$776,234
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$9,819,358	\$9,819,358

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: FiberOptics System
Project Title / Ref#: System Distribution Network - Fiber System
Submitting Departments: Information Technology

FO -005

Project Description:

This Project consists of the design and construction of the fiber cabling and related distribution cabinets and equipment for the Fiber Optic Distribution Network in the major streets in the Ontario Ranch area and to connect the Fiber Optic system in the Ontario Ranch area to the locations in the existing City facilities. The Project will include the design and construction of the fiber cabling to be installed the conduit within the rights-of-way of the major streets in the Ontario Ranch area. Design and construction of this fiber cabling system will provide the Primary Ring, Secondary Ring, and Lateral portions of the Ontario Ranch Fiber Optics system. This construction of this fiber cabling will also provide the connections between the various Points-of-Presence facilities in the existing City facilities and the Ontario Ranch facility locations.

Justification / Consequences of Avoidance:

The Project is a requirement for the provision of a Fiber Optics Communication system to serve the Ontario Ranch area. The installation of fiber cabling, cabinets and equipment is required in all major streets to provide a Fiber Optics system in the Ontario Ranch area.

Relationship to General Plan Development:

The Project will provide services to the new development in the Ontario Ranch area only. The estimated Project costs are fully related to new development in the Ontario Ranch area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

None, staff projections.

Project Timing:

An initial portion of the Project will be constructed to enable the initiation of services to the Ontario Ranch area. The remainder of the Project is anticipated to be constructed at the time the major streets are constructed and the system expands. 2019 Update - No changes have been made in this 2019 effort.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$1,386,582	\$1,386,582
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$8,403,528	\$8,403,528
4. Contingency	\$0	\$0	\$0	\$0	\$840,353	\$840,353
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$10,630,463	\$10,630,463

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: FiberOptics System
Project Title / Ref#: Cabling System - Residential/Non-Residential
Submitting Departments: Information Technology

FO -006

Project Description:

This Project consists of the design and construction of the fiber cabling and related distribution cabinets and equipment for the Fiber Optic System within neighborhood (in-tract) streets in the Ontario Ranch area. This in-tract fiber cabling will connect the Fiber Optic system to the facilities located within the major streets within the Ontario Ranch area. The Project will include the design and construction of the fiber cabling to be installed in the conduit installed by the individual developers within the rights-of-way of the neighborhood streets in the Ontario Ranch area. This Project will provide a Fiber Optics system in both residential neighborhoods and non-residential areas in the Ontario Ranch area.

Justification / Consequences of Avoidance:

The Project is a requirement for the provision of a Fiber Optics Communication system to serve the Ontario Ranch area. The installation of fiber cabling, cabinets and equipment is required in the in-tract streets to provide a Fiber Optics system in the Ontario Ranch area.

Relationship to General Plan Development:

The Project will provide services to the new development in the Ontario Ranch area only. The estimated Project costs are fully related to new development in the Ontario Ranch area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

None, staff projections.

Project Timing:

The Project is anticipated to be constructed within individual development projects at time that local in-tract streets are constructed. It is anticipated that the individual developers will continue to be required to install conduit and related underground system needs and this Project will provide the related construction of the in-tract fiber systems. 2019 Update - No changes have been made in this 2019 effort.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$4,654,435	\$4,654,435
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$28,208,698	\$28,208,698
4. Contingency	\$0	\$0	\$0	\$0	\$2,820,870	\$2,820,870
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$35,684,003	\$35,684,003

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: FiberOptics System
Project Title / Ref#: Fiber Equipment Within Residential Units
Submitting Departments: Information Technology

FO -007

Project Description:

This Project will include the acquisition and installation of Fiber Optic System equipment for each residential unit in the Ontario Ranch area. This includes attached, detached residential units and commercial lodging units. The Network Interface Device (NID) equipment will be acquired and installed in approximately 45,900 residential units within the Ontario Ranch area. This Project will provide for the installation of a NID at each residential unit within the Ontario Ranch area. The Project will also provide for all required design for the placement of the NID equipment within various types of single and multi-family residential units.

Justification / Consequences of Avoidance:

The Project is a requirement for the provision of a Fiber Optics Communication system to serve residential units within the Ontario Ranch area. The installation of fiber equipment in each residential unit is required to provide a Fiber Optics system in the Ontario Ranch area.

Relationship to General Plan Development:

The Project is a requirement for the provision of a Fiber Optics Communication system to serve residential units within the Ontario Ranch Area. The installation of fiber cabling and equipment is required for each residential unit in the Ontario Ranch area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

None, staff projections.

Project Timing:

The Project is anticipated to be constructed within individual development projects at time that non-residential buildings are constructed. 2019 Update - No changes have been made in this 2019 effort.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$2,627,259	\$2,627,259
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$15,922,784	\$15,922,784
4. Contingency	\$0	\$0	\$0	\$0	\$1,592,278	\$1,592,278
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$20,142,321	\$20,142,321

CITY OF ONTARIO, CALIFORNIA

Master Facilities Plan Project Detail

MFP 2018-19 Update

Infrastructure: FiberOptics System
Project Title / Ref#: Fiber Equipment Within Non-Residential Areas
Submitting Departments: Information Technology

FO -008

Project Description:

This Project will include the acquisition and installation of Fiber Optic System equipment for each non-residential building in the Ontario Ranch area. The Project will provide the design and installation of network interface equipment in all non-residential units within the Ontario Ranch area. The Project includes the estimated acquisition and installation costs for the projected number of non-residential buildings in the Ontario Ranch area and the General Plan designated land-uses for those non-residential buildings.

Justification / Consequences of Avoidance:

The Project is a requirement for the provision of a Fiber Optics Communication system to serve non-residential buildings within the Ontario Ranch area. The installation of fiber equipment in each non-residential building is required to provide a Fiber Optics system in the Ontario Ranch area.

Relationship to General Plan Development:

The Project is a requirement for the provision of a Fiber Optics Communication system to serve non-residential buildings within the Ontario Ranch area. The installation of fiber cabling and equipment is required for each non-residential building in the Ontario Ranch area.

Allocation To General Plan Buildout: 100.00%

Reference Document:

None, staff projections.

Project Timing:

The Project is anticipated to be constructed within an individual development projects time frame. 2019 Update - No changes have been made in this 2019 effort.

PROPOSED EXPENDITURES	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-43	Total all Years
1. Design / Engineering / Administratic	\$0	\$0	\$0	\$0	\$1,135,141	\$1,135,141
2. Land Acquisition / Right Of Way	\$0	\$0	\$0	\$0	\$0	\$0
3. Construction	\$0	\$0	\$0	\$0	\$6,879,643	\$6,879,643
4. Contingency	\$0	\$0	\$0	\$0	\$687,964	\$687,964
5. Equipment / Other	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST:	\$0	\$0	\$0	\$0	\$8,702,748	\$8,702,748

End of Master Facilities Plan