

ORDINANCE NO. 562

AN ORDINANCE OF THE CITY OF MANOR, TEXAS, AMENDING ORDINANCE NO. 482; AMENDING CHAPTER 10, SUBDIVISION REGULATION, ARTICLE 10.03, IMPACT FEES, CODE OF ORDINANCES OF MANOR; ADOPTING A CAPITAL IMPROVEMENTS PLAN; ESTABLISHING A COMMUNITY IMPACT FEE BASED UPON LIVING UNIT EQUIVALENTS; PROVIDING SEVERABILITY, OPEN MEETING AND EFFECTIVE DATE PROVISIONS; AND PROVIDING FOR RELATED MATTERS.

WHEREAS, pursuant to Chapt. 395, TEX. LOC. GOV'T. CODE, the City Council (the "Council") of the City of Manor, Texas (the "City") adopted Ordinance No. 482, now codified in Chapter 10, Subdivision, Article 10.03, Impact Fees, which approved the Capital Improvement Plan, set out as Exhibit "A" and the Land Use Assumptions, set out as Exhibit "B" to the Ordinance, and established water and wastewater impact fees for connection to the City's water and wastewater system, with such fees set out presently in Appendix "A," Article A7.000 Utility Service Charges and Fees, Section A7.009 Water and Wastewater Impact Fees; and

WHEREAS, the City has undertaken to update the Capital Improvement Plan ("CIP") to determine whether any amendments are advisable and determine whether the impact fees should be amended pursuant to Sec. 395.052, TEX. LOC. GOV'T. CODE, by issuing and timely publishing notices for and holding public hearings on a revised water and wastewater capital improvements plan and the imposition of revised impact fees; and

WHEREAS, the City Council of the City of Manor, Texas (the "City Council") adopted Resolution No. 2019-15, on October 16, 2019, establishing the date for public hearing and directing that notice to be given for such public hearing to be held; and

WHEREAS, after notice of public hearing for the CIP was published on November 1, 2019, the City Council held such public hearing on December 4, 2019 to consider the revised CIP; and

WHEREAS, the City Council approved the proposed CIP by resolution; and

WHEREAS, in accordance with the above steps, the City Council adopted a revised CIP pursuant to Chapter 395 on December 4, 2019; and

WHEREAS, the Advisory Committee filed written comments on the proposed amendment to the CIP before the fifth business day before the date of the public hearing; and

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF MANOR, TEXAS, THAT:

Section 1. Findings. The forgoing recitals are incorporated into this Ordinance as true and correct

findings of fact.

Section 2. Capital Improvements Plan. Section 10.03.005, Capital improvements plan adopted of the Code of Ordinance of the City is hereby amended to include revised exhibits as listed below:

(a) The capital improvements plan identifying capital improvements or facility expansions pursuant to which impact fees may be assessed, as considered at the December 4, 2019 public hearing and as set out in Exhibit “A3 & A4” attached hereto is hereby adopted.

Section 3. Community Impact Fee Amount. The Community Impact Fee for each Living Unit Equivalent shall, as set forth in Exhibit "B" attached hereto, be \$1,560.00 for water service and \$3,200.00 for wastewater service for all new assessments. This fee shall apply to lots platted or replatted after September 6, 2017, to land on which new development occurs or is proposed to occur without platting, and in any other circumstance where a previously adopted Impact Fee does not apply. For all lots or development, the community impact fee for each living unit equivalent shall be in accordance with the amounts herein adopted and with the amounts imposed in previous ordinances for the applicable time period as shown in the chart set forth in Article A7.000 Utility Service Charges and Fees, Section A7.009 Water and Wastewater Impact Fees, Appendix A of the Code of Ordinances of the City.

Section 4. Application and Reading. Other provisions of Ordinance No. 482, Section 10.03.005, Water and Wastewater Impact Fees, and Article A7.000 Utility Service Charges and Fees, Section A7.009 Water and Wastewater Impact Fees, Appendix A, Code of Ordinances, City of Manor, shall be and remain in full force and effect as amended herein and the same shall be interpreted and applied together and consistent with this ordinance in a manner to give effect to the intent of Ordinance No. 482, Section 10.03.005, and Article A7.000, as amended by the amendments set forth in this Ordinance.

Section 5. Severability. If any section, paragraph, subdivision, clause, part or provision of Ordinance No. 482, Section 10.03.005, Water and Wastewater Impact Fees, and Article A7.000 Utility Service Charges and Fees, Section A7.009 Water and Wastewater Impact Fees, Appendix A, Code of Ordinances, City of Manor or this Ordinance shall be judged invalid or unconstitutional, the same shall not affect the validity as a whole or any part or provision other than the part held invalid or unconstitutional.

Section 6. Open Meetings. It is hereby officially found and determined that the meeting at which this Ordinance was passed was open to the public as required and that public notice of the time, place, and purpose of said meeting was given as required by the Open Meetings Act, Chapter 551, Texas Government Code.

Section 7. Effective Date. This ordinance shall take effect immediately from and after its passage and publication in accordance with the provisions of the Tex. Loc. Gov't. Code, and it is accordingly so ordained.

PASSED AND APPROVED on this 4th day of December 2019.

ATTEST:

THE CITY OF MANOR, TEXAS

_____, City Secretary

Dr. Larry Wallace, Jr., Mayor

EXHIBIT “A”

EXHIBIT A-2
CITY OF MANOR WATER IMPROVEMENTS
10-YEAR CAPITAL IMPROVEMENTS PLAN
JUNE 2017

The following projects have been identified as required to serve new growth within the service area, in accordance with approved land use assumptions and as part of the 10-year Capital Improvements Plan

Project No.	Year	Description	Size	Unit	Length (ft)	Construction Cost (2017 Dollars)	Annual Interest	Period (yr)	Construction Cost (adjusted for Inflation @ 5% per annum)	Soft Costs	Contingency (10% + 1% per annum)	Financing Cost (5% over 20 Years)	Total Project Costs	Detailed Description
W-6	2017	Blake Manor Road Water Line	12	inch	3,200	\$ 268,800.00	0.050	20	\$ 268,800.00	\$ 40,300.00	\$ 27,800.00	\$ 203,774.55	\$ 541,000.00	Transmission main from downtown along Blake Manor Road to future FM 973. Includes replacing 400 LF of 6" pipe in Downtown Plant
W-10	2022	Hill Lane Water Line	12	inch	3,450	\$ 289,800.00	0.050	20	\$ 362,250.00	\$ 54,300.00	\$ 58,300.00	\$ 287,213.85	\$ 762,000.00	Water Distribution main along Hill Lane to serve new growth
W-13	2025	US 290 Crossing at Golf Course	12	inch	250	\$ 100,000.00	0.050	20	\$ 140,000.00	\$ 21,000.00	\$ 27,400.00	\$ 113,954.07	\$ 302,000.00	Connect 12" water lines on north and south sides of US 290
W-14	2021	Gregg Manor Road Water Supply - Ground Storage Tank and Pumps	250,000	gallon		\$ 1,375,000.00	0.050	20	\$ 1,650,000.00	\$ 247,500.00	\$ 246,700.00	\$ 1,296,923.11	\$ 3,441,000.00	250,000 gal Ground Storage Tank and 1,400 gpm expandable pump station for wholesale water supply connection
W-15	2018	FM 973 Water Line	12	inch	4000	\$ 336,000.00	0.050	20	\$ 352,800.00	\$ 52,900.00	\$ 40,600.00	\$ 269,945.33	\$ 716,000.00	Transmission main from US 290 to serve new growth on the east and west sides of FM 973
W-16	2019	US 290 Water Line	12	inch	2900	\$ 243,600.00	0.050	20	\$ 267,960.00	\$ 40,200.00	\$ 33,900.00	\$ 206,895.59	\$ 549,000.00	Parallel 12" waterline to increase US 290 capacity
W-17	2019	US 290 Water Line	16	inch	4400	\$ 540,000.00	0.050	20	\$ 594,000.00	\$ 89,100.00	\$ 75,100.00	\$ 458,598.59	\$ 1,217,000.00	Extend transmission main from Presidential Glen to Old Kimbro Road
W-18	2019	Old Kimbro Road Water Line	12	inch	3000	\$ 474,000.00	0.050	20	\$ 521,400.00	\$ 78,200.00	\$ 66,000.00	\$ 402,589.32	\$ 1,068,000.00	Transmission main to serve new growth north of US 290
W-20	2025	Bois D'Arc Lane Water Line	16	inch	2700	\$ 302,400.00	0.050	20	\$ 423,360.00	\$ 63,500.00	\$ 82,800.00	\$ 344,559.84	\$ 914,000.00	Transmission main to improve delivery of water from East EST
W-22	2025	Bois D'Arc Lane Water Line	12	inch	2500	\$ 210,000.00	0.050	20	\$ 294,000.00	\$ 44,100.00	\$ 57,500.00	\$ 239,279.35	\$ 635,000.00	Transmission main to serve new growth north of Tower Rd
W-24	2025	Gregg Manor Road Pump Improvements	1200	gpm		\$ 50,000.00	0.050	20	\$ 70,000.00	\$ 10,500.00	\$ 13,700.00	\$ 56,977.03	\$ 151,000.00	Increase Pump Capacity (and contracted supply) at wholesale water connection
W-31	2018	FM 973 Water Line	12	inch	5200	\$ 436,800.00	0.050	20	\$ 458,640.00	\$ 68,800.00	\$ 52,700.00	\$ 350,898.69	\$ 931,000.00	Transmission main along FM 973 from Tower Road to Canopy Lane to serve new growth.
Water CIP-1	2017	Gregg Lane to Tower Road Waterline	12	inch	3400	\$ 1,234,800.00	0.050	20	\$ 1,234,800.00	\$ 185,200.00	\$ 127,800.00	\$ 936,189.53	\$ 2,484,000.00	Transmission main from Manville WSC Booster Station to East Elevated Storage Tank
Water CIP-2	2017	AMR Water Meters				\$ 300,000.00	0.05	20.000	\$ 300,000.00	\$ 45,000.00	\$ 31,100.00	\$ 227,484.74	\$ 604,000.00	1350 Meter bodies and AMR registers, 810 replacement meter box lids, software, two vehicle transmitter units, two laptops.
Water CIP-3	2018	AMR Water Meters				\$ 400,000.00	0.05	20.000	\$ 420,000.00	\$ 63,000.00	\$ 48,300.00	\$ 321,357.73	\$ 853,000.00	1350 Meter bodies and AMR registers, 810 replacement meter box lids, software, two vehicle transmitter units, two laptops.
Total													\$ 15,168,000.00	

Notes:
Water LUEs are defined as requiring 365 gallons of water per day per single family residence as determined in the the City of Manor Water Master Plan.

LEGEND	
LS	PROPOSED LIFT STATION/LIFT STATION EXPANSION
●	WWTP
—	MANOR ROADS
	10-YR. WASTEWATER SERVICE AREA
	MANOR ETJ
	EXISTING WASTEWATER LINES
	PROPOSED GRAVITY MAIN
	PROPOSED FORCE MAIN
	FLOODPLAIN

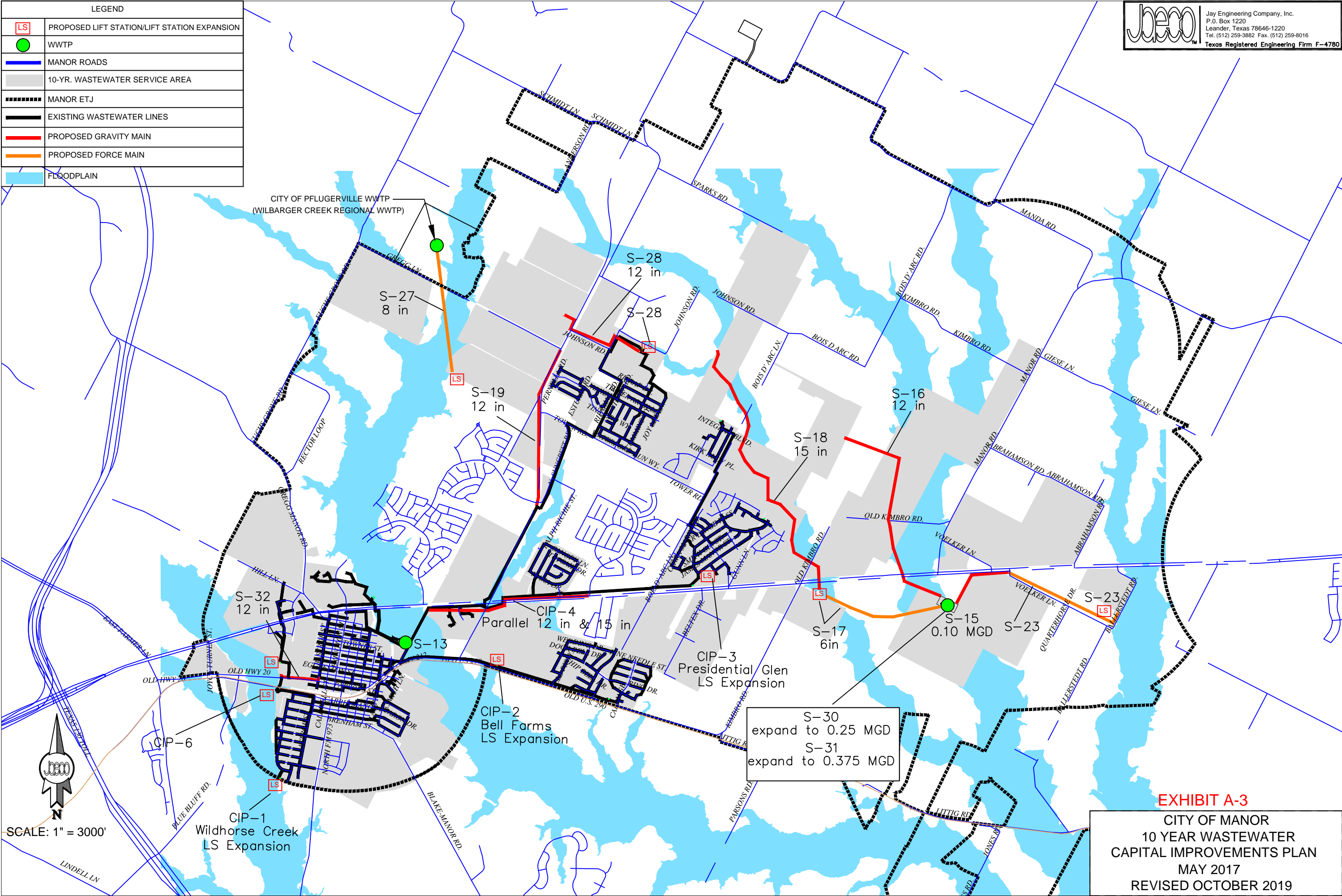


EXHIBIT A-3

CITY OF MANOR
 10 YEAR WASTEWATER
 CAPITAL IMPROVEMENTS PLAN
 MAY 2017
 REVISED OCTOBER 2019

EXHIBIT A-4
CITY OF MANOR WASTEWATER IMPROVEMENTS
10-YEAR CAPITAL IMPROVEMENTS PLAN
JUNE 2017
REVISED OCTOBER 2019

The following projects have been identified as required to serve new growth within the service area, in accordance with approved land use assumptions and as part of the 10-year Capital Improvements Plan

Project No.	Year	Description	Construction Cost (2017 Dollars)	Interest	Period (months)	Size	Length	Construction Cost (adjusted for Inflation @ 5% per annum)	Soft Costs	Contingency (10% + 1% per annum)	Financing Cost (5.1% over 20 Years)	Total Project Costs	Detailed Description
S-13	2018	Addl. Wilbarger WWTP Capacity	\$ 10,500,000.00	0.00425	240	1.33 MGD		\$ 11,025,000.00	\$ 1,653,800.00	\$ 1,267,900.00	\$ 8,328,716.21	\$ 22,275,000.00	New Treatment Plant Capacity to Serve Addl Growth
S-15	2018	Cottonwood WWTP, Phase 1, 0.1 MGD	\$ 3,453,000.00	0.00425	240	0.1 MGD		\$ 3,625,650.00	\$ 543,800.00	\$ 416,900.00	\$ 2,738,885.01	\$ 7,325,000.00	Build plant at Regional Site, road and electrical improvements add \$500,000
S-16	2018	East Cottonwood Gravity Line	\$ 1,005,400.00	0.00425	240	12"	3,200	\$ 1,055,670.00	\$ 158,400.00	\$ 121,400.00	\$ 797,518.46	\$ 2,133,000.00	Extend East Cottonwood gravity ww to Regional Site, sized for 10-year capacity
S-17	2018	West Cottonwood LS and FM	\$ 471,000.00	0.00425	240	6" FM and 350 gpm LS	3,700	\$ 494,550.00	\$ 74,200.00	\$ 56,900.00	\$ 373,626.83	\$ 999,000.00	Extend 27" and 30" gravity ww from confluence with East Cottonwood to US 290, ultimate capacity
S-18	2018	West Cottonwood Gravity Line, Phase 2	\$ 1,122,000.00	0.00425	240	15"	8,200	\$ 1,178,100.00	\$ 176,700.00	\$ 135,500.00	\$ 889,980.12	\$ 2,380,000.00	Serves West Cottonwood Sub-Basin up to Bois D'Arc Ln, 21" and 24" gravity ww sized for ultimate capacity
S-19	2018	FM 973 Gravity Wastewater Line	\$ 591,600.00	0.00425	240	12"	5,800	\$ 621,180.00	\$ 93,200.00	\$ 71,400.00	\$ 469,253.56	\$ 1,255,000.00	Serves FM 973 Corridor up to Wilbarger Basin divide (approx. Gregg Ln)
S-23	2024	Willow Lift Station and Force Main	\$ 466,320.00	0.00425	240	200 gpm		\$ 629,532.00	\$ 94,400.00	\$ 115,800.00	\$ 501,472.72	\$ 1,341,000.00	Lift Station and Force Main to serve 220 LUEs in Willow Basin along US 290. 10-Yr ADF approx. 60,000 gpd, PWWF approx 200 gpm
S-27	2026	Wilbarger Lift Station and Force Main to CoP WWTP	\$ 700,000.00	0.00425	240	8"	5,100	\$ 1,015,000.00	\$ 152,300.00	\$ 210,100.00	\$ 822,558.29	\$ 2,200,000.00	Lift Station and Force Main to serve area north of Shadowglen in Wilbarger Basin
S-28	2017	High School gravity line to Stonewater Lift Station; Stonewater Lift Station Upgrades	\$ 25,000.00	0.00425	240	12"	3,100	\$ 25,000.00	\$ 3,800.00	\$ 2,600.00	\$ 18,751.51	\$ 50,000.00	Gravity main to serve new high school; upgrades to existing Stonewater Lift Station.
S-30	2021	Expand Cottonwood WWTP to 0.25 MGD Capacity	\$ 2,000,000.00	0.00425	240	0.25 MGD		\$ 2,400,000.00	\$ 360,000.00	\$ 358,800.00	\$ 1,862,490.78	\$ 4,981,000.00	New Treatment Plant Capacity to Serve Addl Growth
S-31	2025	Expand Cottonwood WWTP to 0.375 MGD Capacity	\$ 2,500,000.00	0.00425	240	0.375 MGD		\$ 3,500,000.00	\$ 525,000.00	\$ 684,300.00	\$ 2,812,308.52	\$ 7,522,000.00	New Treatment Plant Capacity to Serve Addl Growth
S-32	2020	Bastrop-Parsons WW Improvements	\$ 390,000.00	0.00425	240	12"		\$ 448,500.00	\$ 67,300.00	\$ 61,900.00	\$ 344,991.96	\$ 923,000.00	Replacement of existing wastewater line in Bastrop and Parsons; to correct current capacity issues and serve additional growth
CIP-1	2018	Wildhorse Creek Lift Station Expansion	\$ 125,000.00	0.00425	240	1,075 gpm, 2nd WW		\$ 131,250.00	\$ 19,700.00	\$ 15,100.00	\$ 99,162.05	\$ 265,000.00	Change in discharge point increased Phase 1 capacity from 440 to 1026 LUEs, currently at about 706 LUEs. Will need to expand LS when Lagos develops to ultimate 1586 LUE capacity.
CIP-2	2023	Bell Farms Lift Station Expansion	\$ 150,000.00	0.00425	240	1,400 gpm, 2nd WW		\$ 195,000.00	\$ 29,300.00	\$ 33,600.00	\$ 154,013.20	\$ 412,000.00	Presently at approximately 730 LUES. Current phase 1 capacity is 1264 LUES. Ultimate Capcity at phase 2 is 2172.
CIP-3	2020	Presidential Glen Lift Station Expansion	\$ 175,000.00	0.00425	240	2,275 gpm, 2nd WW		\$ 201,250.00	\$ 30,200.00	\$ 27,800.00	\$ 154,819.40	\$ 414,000.00	Presently at approximately 264 LUES. Current phase 1 capacity is 1119 LUES. Ultimate Capcity at phase 2 is 3517.
CIP-4	2022	US 290 WW Line Expansion	\$ 603,378.00	0.00425	240	12" & 15"	1,566 & 2,760	\$ 754,222.50	\$ 113,100.00	\$ 121,400.00	\$ 590,447.14	\$ 1,579,000.00	Presently at approximately 264 PG+308 SW = 572 LUEs out of 1800 LUE capacity, expansion will double capacity.
CIP-6	2018	Travis County Rural Center Lift Station, force main	\$ 350,000.00	0.00425	240	500 gpm	500	\$ 367,500.00	\$ 55,100.00	\$ 42,300.00	\$ 277,629.85	\$ 743,000.00	Lift Station and Force Main from Rural Center to existing wastewater line

Total: \$ 56,797,000.00

Notes:
Wastewater LUEs are defined as producing 275 gallons of wastewater per day per single family residence as determined in the the City of Manor Wastewater Master Plan.

EXHIBIT “B”

EXHIBIT B-1
CITY OF MANOR
PLANNING AND DESIGN CRITERIA
APRIL 2017

Water Infrastructure

Criterion	Value	Unit
People per LUE	3.2	
Average Day Water Demand	365	gpd/LUE
Maximum Day Water Demand	730	gpd/LUE
Peak Hour Water Demand	1.5	gpm/LUE
Total Water Storage	200	gal/LUE
Minimum Water Elevated Storage	100	gal/LUE
Minimum Water Pump Capacity	0.6	gpm/LUE
Minimum Water System Pressure (Normal Conditions)	35	psi
Minimum Water System Pressure (Fire Flow Conditions)	20	psi
Maximum Water Line Velocity (Peak Hour/Fire Flow Conditions)	5	fps

Wastewater Infrastructure

Criterion	Value	Unit
People per LUE	3.2	
Average Wastewater Flow	275	gpd/LUE
Peak Wastewater Flow	1100	gpd/LUE
Minimum Wastewater Line Velocity	2	fps
Maximum Wastewater Line Velocity	8	fps

Notes:

Water demands and wastewater flows from the City of Manor Adopted Water and Wastewater Master Plans.

System capacities and other design criteria from 30 TAC Chapters 217 and 290.

EXHIBIT B-2
CITY OF MANOR WATER IMPROVEMENTS
10-YEAR CAPITAL IMPROVEMENTS PLAN
PRO RATA CALCULATIONS
JUNE 2017

Project No.	Year	Description	Size	Total LUE Capacity	10-Year LUE Demand	Total Project Cost in 2017 Dollars	Pro Rata Share	Pro Rata Project Cost in 2015 Dollars
W-6	2017	Blake Manor Road Water Line	12"	1667	763	\$ 541,000.00	46%	\$ 247,620.28
W-10	2022	Hill Lane Water Line	12"	91	45	\$ 762,000.00	49%	\$ 376,813.19
W-13	2025	US 290 Crossing at Golf Course	12"	1667	1667	\$ 302,000.00	100%	\$ 302,000.00
W-14	2021	Gregg Manor Road Water Supply - Ground Storage Tank and Pumps	250000	2500	2500	\$ 3,441,000.00	100%	\$ 3,441,000.00
W-15	2018	FM 973 Water Line	12"	1667	625	\$ 716,000.00	37%	\$ 268,446.31
W-16	2019	US 290 Water Line	12"	1667	1667	\$ 549,000.00	100%	\$ 549,000.00
W-17	2019	US 290 Water Line	16"	2400	900	\$ 1,217,000.00	38%	\$ 456,375.00
W-18	2019	Old Kimbro Road Water Line	12"	1667	700	\$ 1,068,000.00	42%	\$ 448,470.31
W-20	2025	Bois D'Arc Lane Water Line	16"	2400	2400	\$ 914,000.00	100%	\$ 914,000.00
W-22	2025	Bois D'Arc Lane Water Line	12"	1667	1100	\$ 635,000.00	66%	\$ 419,016.20
W-24	2025	Gregg Manor Road Pump Improvements	1200	2000	2000	\$ 151,000.00	100%	\$ 151,000.00
W-31	2018	FM 973 Water Line	12	2400	725	\$ 931,000.00	30%	\$ 281,239.58
Water CIP-1	2017	Gregg Lane to Tower Road Waterline	12	2400	725	\$ 2,484,000.00	30%	\$ 750,375.00
Water CIP-3	2018	AMR Water Meters		2400	2400	\$ 853,000.00	100%	\$ 853,000.00
								\$ 9,458,355.86

Previously Completed Projects

Year	Total LUE Capacity	Name	Description	Project Cost	LUEs Used	10-Year LUE Demand	Pro Rata Share	Pro Rata Project Cost
2002	1667	Creekside Offsite Utilities	12"	\$ 175,000.00	405	300	18%	\$ 31,000.00
2005	1667	Greenbury Offsite Utilities	12"	\$ 407,816.64	308	1200	72%	\$ 294,000.00
2007	5,600	Water Supply Main From City of Austin to West Elevated Storage Tank and Downtown	16"	\$ 1,057,675.36	1550	2650	47%	\$ 501,000.00
2008	5,000	West Elevated Storage Tank	500,000	\$ 2,138,083.58	1550	2650	53%	\$ 1,133,000.00
2010	2,400	Presidential Glen Water Lines	16"	\$ 465,054.06	8	1300	54%	\$ 252,000.00
2009	5,000	East Manor Elevated Storage Tank	500,000	\$ 1,880,381.34	1550	2650	53%	\$ 997,000.00
Totals				\$ 6,124,000.00				\$ 3,208,000.00

CIF Ineligible Projects

EXHIBIT B-3
CITY OF MANOR WATER IMPROVEMENTS
MISCELLANEOUS PROJECT COSTS
JUNE 2017

Description	Amount
CIF Studies	\$ 13,450.00
Study Cost for Water, Mapping, Modeling	\$ 40,000.00
Total Water-Related Costs	\$ 53,450.00

EXHIBIT B-4
CITY OF MANOR WATER
IMPACT FEE CALCULATION
JUNE 2017

CATEGORY	AMOUNT
Total CIP Eligible Project Cost :	\$ 12,719,805.86
Number of LUEs added:	\$ 4,065.00
Maximum Water CIF:	\$ 3,129.00
50% Credit:	\$ (1,564.50)
MAXIMUM ASSESSABLE CIF:	\$ 1,564.50
ASSESSED WATER CIF:	\$ 1,560.00

EXHIBIT B-5
CITY OF MANOR WASTEWATER IMPROVEMENTS
10-YEAR CAPITAL IMPROVEMENTS PLAN
PRO RATA CALCULATIONS
JUNE 2017

Project No.	Year	Description	Size	Total LUE Capacity	10-Year LUE Demand	Total Project Cost in 2015 Dollars	Pro Rata Share	Pro Rata Project Cost in 2015 Dollars
S-13	2018	Addl. Wilbarger WWTP Capacity	1.33 MGD	5354	4200	\$22,275,000.00	78.45%	\$ 17,474,000.00
S-15	2018	Cottonwood WWTP, Phase 1, 0.1 MGD	0.1 MGD	363	363	\$ 7,325,000.00	100.00%	\$ 7,325,000.00
S-16	2018	East Cottonwood Gravity Line	12"	1000	375	\$ 2,133,000.00	37.50%	\$ 800,000.00
S-17	2018	West Cottonwood LS and FM	12"	1200	540	\$ 999,000.00	45.00%	\$ 450,000.00
S-18	2018	West Cottonwood Gravity Line, Phase 2	15"	1200	540	\$ 2,380,000.00	45.00%	\$ 1,071,000.00
S-19	2018	FM 973 Gravity Wastewater Line	12"	754	75	\$ 1,255,000.00	9.95%	\$ 125,000.00
S-23	2024	Willow Lift Station and Force Main	200 gpm	210	100	\$ 1,341,000.00	47.62%	\$ 639,000.00
S-27	2026	Wilbarger Lift Station and Force Main to CoP WWTP	8"	1000	100	\$ 2,200,000.00	10.00%	\$ 220,000.00
S-28	2017	High School gravity line to Stonewater Lift Station; Stonewater Lift Station Upgrades	12"	1000	500	\$ 50,000.00	50.00%	\$ 25,000.00
S-30	2021	Expand Cottonwood WWTP to 0.25 MGD Capacity	0.25 MGD	909	909	\$ 4,981,000.00	100.00%	\$ 4,981,000.00
S-31	2025	Expand Cottonwood WWTP to 0.375 MGD Capacity	0.375 MGD	1272	1272	\$ 7,522,000.00	100.00%	\$ 7,522,000.00
CIP-1	2018	Wildhorse Creek Lift Station Expansion	1,075 gpm, 2nd WW	1586	1586	\$ 265,000.00	100.00%	\$ 265,000.00
CIP-2	2023	Bell Farms Lift Station Expansion	1,400 gpm, 2nd WW	2172	2172	\$ 412,000.00	100.00%	\$ 412,000.00
CIP-3	2020	Presidential Glen Lift Station Expansion	2,275 gpm, 2nd WW	3517	1119	\$ 414,000.00	31.82%	\$ 132,000.00
CIP-4	2022	US 290 WW Line Expansion	12" & 15"	3600	2300	\$ 1,579,000.00	63.89%	\$ 1,009,000.00
CIP-6	2018	Travis County Rural Center Lift Station, force main	500 gpm	679	340	\$ 743,000.00	50.07%	\$ 372,000.00
								\$ 42,822,000.00

Previously Completed Projects

Year	Total LUE Capacity	Name	Description	Project Cost	LUEs Used	10-Year LUE Demand	Pro Rata Share	Pro Rata Project Cost
2001	300	Hamilton Point Sewer Main	Gravity Sewer Line to Serve Hamilton Point Sub	\$ 128,000.00	300	0	0%	\$ -
2003	1091	Creekside Offsite/Onsite and Wilbarger WWTP	Lift Station, Forced Main and WWTP	\$ 1,033,000.00	726	375	34%	\$ 355,000.00
2004	1264	East Old Highway 20 Gravity Line, Lift Staion, Forced Main (Bell Farms FM)	Gravity Line Lift Station and Forced Main to Serve new growth along Old Highway 20	\$ 1,034,873.04	616	650	51%	\$ 532,000.00
2005	1885	Greenbury Gravity Line	Gravity Line Along US 290 to Serve Greenbury Sub	\$ 619,007.39	308	682	36%	\$ 224,000.00
2008	888	Carriage Hills Lift Station and Forced Main	Lift Station and Forced Main to Serve Carriage Hills Sub	\$ 680,972.01	165	175	20%	\$ 134,000.00
Totals				\$ 3,495,852.45				\$ 1,245,000.00

CIF Ineligible Projects

2009	727	Wilbarger WWTP Capacity Buyback	
		Creekside Lift Station Forced Main	
	2005	Adjustment	

EXHIBIT B-6
CITY OF MANOR WASTEWATER IMPROVEMENTS
10-YEAR CAPITAL IMPROVEMENTS PLAN
MISCELLANEOUS PROJECT COSTS
JUNE 2017

Description	Total Cost
CIF Studies	\$ 13,450.00
Gilleland Creek COA Impact Fee (34 LUEs @ \$1,400)	\$ 47,600.00
Study Cost for Wastewater, Mapping, Modeling	\$ 40,000.00
Total Sewer-Related Costs \$ 101,050.00	

EXHIBIT B-7
CITY OF MANOR WASTEWATER
IMPACT FEE CALCULATION
JUNE 2017

CATEGORY	AMOUNT
Total CIP Eligible Project Cost :	\$ 44,168,000.00
Number of LUEs added:	6,885.00
Maximum Wastewater CIF:	\$ 6,415.00
50% Credit:	\$ (3,207.50)
MAXIMUM ASSESSABLE CIF:	\$ 3,207.50
 ASSESSED WASTEWATER CIF:	 \$ 3,200.00

EXHIBIT B-8
CITY OF MANOR WATER AND WASTEWATER IMPACT
FEE FACTORS
JUNE 2017

1. RESIDENTIAL DEVELOPMENT

Community Impact Fees for residential development shall be assessed based upon the number of dwelling units proposed for development times the appropriate LUE Factor for water as shown below.

Dwelling Type	Units	LUE Factor
Single Family Residential	Per Housing Unit	1
Two-Family Residential	Per Residential Unit	0.7
Three-Family Residential	Per Residential Unit	0.7
Multi-Family Residential	Per Residential Unit	0.5

2. NON-RESIDENTIAL DEVELOPMENT

Community Impact Fees for all non-residential development shall be assessed based upon the water meter size and type installed to serve the proposed development water, as shown below.

Meter Size (Inch)	Type	LUE Factor
5/8	Positive	1
	Displacement	
3/4	Positive	1.5
	Displacement	
1	Positive	2.5
	Displacement	
1-1/2	Positive	5
	Displacement	
2	Positive	8
	Displacement	
2	Compound	8
2	Turbine	10
3	Compound	16
3	Turbine	24
4	Compound	25
4	Turbine	42
6	Compound	50
6	Turbine	92
8	Compound	80
8	Turbine	160
10	Compound	115
10	Turbine	250
12	Turbine	330