

February 13, 2023

President and Board of Directors
New Caney Municipal Utility District
23696 Roberts Road
New Caney, Texas 77357

Re: Capital Improvements Plan and 2023 Bond Election for
Water, Sanitary, and Facility Improvements
New Caney Municipal Utility District
LJA Project No. E208-0540

President and Board of Directors:

LJA Engineering, Inc. (LJA) is pleased to submit the attached summary of the New Caney Municipal Utility District's Capital Improvement Plan and 2023 Bond Election requirements for Water, Sanitary, and Facility Improvements for years 2023 thru approximately 2043. The proposed projects would require approximately **\$268,855,000** in new voter authorized bond funds.

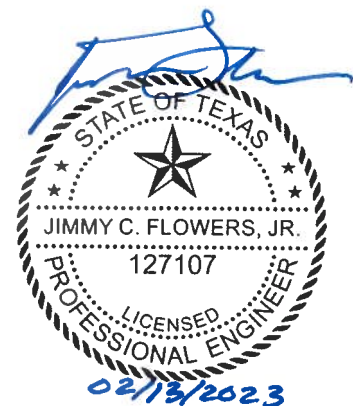
If you have any questions, please feel free to contact me at (713) 657-6013 or jflowers@lja.com.

Sincerely,



Jimmy C. Flowers, PE
Project Manager

JCF/msc



Capital Improvement Plan and 2023 Bond Election Requirements for
 Water, Sanitary, and Facility Improvements

The purpose of the 2023 Bond Election in New Caney Municipal Utility District is to obtain voter authorization for New Caney MUD to issue bonds for various water supply, water treatment and storage facilities, water distribution system, sanitary sewer collection system and wastewater treatment facilities within the District Boundaries.

Specific improvements to be funded are shown in Exhibits 1 thru 8 and listed in the tables below:

Water Supply, Treatment and Storage Facilities / Water Distribution System Projects

ID	Project Name	Description
W1	Water Plant No. 1 GST Replacement	Remove aging GST – Construct 750,000 Gal. GST
W2	Water Plant No. 4	New 1,500 gpm Water Well, 2 – 750,000 Gal. GSTs. & Booster Pump Facility
W3	Water Plant No. 3 Renovations	Remove Exist. GST & Operations Facility - Construct 750,000 Gal. GST & Booster Pump Facility
W4	Elevated Storage Tank No. 2	New 750,000 Gal. Elevated Storage Tank
W5	Elevated Storage Tank No. 3	New 750,000 Gal. Elevated Storage Tank
W6	Water Plant No. 5	New 1,500 gpm Water Well, 2 – 750,000 Gal. GSTs. & Booster Pump Facility
W7*	Elevated Storage Tank No. 4	New 1,500 gpm Water Well, 2 – 750,000 Gal. GSTs. & Booster Pump Facility
W8*	Water Plant No. 6	New 750,000 Gal. Elevated Storage Tank
W9	WL Improvements – Main Line Ext. – Ph A	12" Waterline along US HWY 59 (East ROW) - North Portion
W10	WL Improvements – Main Line Ext. – Ph B	12" Waterline along Lodge Road (East ROW)
W11	WL Improvements – Main Line Ext. – Ph C	12" Waterline along McCleskey Road
W12	WL Improvements – Main Line Ext. – Ph D	12" Waterline - WP2 to WP5 - Grand Pkwy - FM1485E
W13	WL Improvements – Main Line Ext. – Ph E	12" Waterline - Southeast Loop from WP5 to Grand Pkwy
W14	WL Improvements – Main Line Ext. – Ph F	12" Waterline - Northeast Loop from Grand Pkwy to Roberts Rd
W15	WL Improvements – Main Line Ext. – Ph G	12" Waterline along Johnson & Willow
W16	WL Improvements – Main Line Ext. – Ph H	12" Waterline along Sullivan - FM1485E to Holly
W17	WL Improvements – Main Line Ext. – Ph I	12" Waterline along US HWY 59 (East & West ROW) - South Portion
W18	WL Rehabilitation – Ph A	District Wide Rehabilitation of Existing Undersized & Aging Distribution Lines
W19	WL Rehabilitation – Ph B	
W20	WL Rehabilitation – Ph C	
W21	WL Rehabilitation – Ph D	

*Project and associated costs not included in planning time frame.

Wastewater Treatment Facilities / Sanitary Sewer Collection System Projects

ID	Project Name	Description
WW1	WWTP Expansion – Phase 2 Flow	2.0 MGD Expansion of WWTP to 4.0 MGD ADF
WW2*	WWTP Expansion – Phase 3 Flow	2.0 MGD Expansion of WWTP to 6.0 MGD ADF
WW3	Sanitary Sewer Trunk Lines – Ph A	Svc Area 1 - North Gravity "B" - Loop 494 & FM 1485 Svc Area 5 - West Gravity Area - Trunk Lines along US HWY 59 to Antique
WW4	Sanitary Sewer Trunk Lines – Ph B	Svc Area 3 - Unserved Area "C" - Trunk Lines to WWTP / Reroute Pine Forest FM Svc Area 5 - Reroute Ann St LS FM & Upsize Trunk Line to South St LS
WW5	Sanitary Sewer Trunk Lines – Ph C	Svc Area 2 - Unserved Area "D" - LS / FM / Trunk Lines to WWTP / Demo Alpestine, Caney Park, and Bap Enc LSs
WW6	Sanitary Sewer Trunk Lines – Ph D	Svc Area 2 - Unserved Area "E" - LS / FM / Trunk Line on FM1485E
WW7	Sanitary Sewer Rehabilitation – Ph A	District Wide Rehabilitation of Existing Undersized & Aging Collection Lines
WW8	Sanitary Sewer Rehabilitation – Ph B	
WW9	Sanitary Sewer Rehabilitation – Ph C	
WW10	Sanitary Sewer Rehabilitation – Ph D	
WW11	Grinder Station Consolidation – Ph A	District Wide Consolidation of Existing Residential and Commercial Grinder Pumps to Remove Them from Service
WW12	Grinder Station Consolidation – Ph B	
WW13	Grinder Station Consolidation – Ph C	
WW14	Grinder Station Consolidation – Ph D	
WW15	Grinder Station Consolidation – Ph E	
WW16	Lift Station Rehabilitation - Country Estates LS Rehab / Brookshire Bros. LS Replacement / Decommissioning of Courthouse LS & MCED LS	Replacement of Aging Lift Stations, Decommissioning of Aging Lift Stations
WW17	LS Rehab – Carol St. Lift Station	Replacement of Aging Lift Station
WW18	LS Rehab – Dunn St. Lift Station	Replacement of Aging Lift Station
WW19	LS Rehab – Stewart St. Lift Station	Replacement of Aging Lift Station
WW20	LS Rehab – Ann St. Lift Station	Replacement of Aging Lift Station
WW21	LS Rehab – David St. Lift Station	Replacement of Aging Lift Station
WW22	LS Rehab – Cox St. Lift Station	Replacement of Aging Lift Station
WW23	LS Rehab – White Oak Lift Station	Replacement of Aging Lift Station

*Project and associated costs not included in planning time frame.

The opinion of probable costs for construction, contingencies, and engineering for all projects is \$167,430,000, with an additional estimate of \$6,616,200 in land / easement acquisition costs, for a total of \$174,046,200 at 2022 values. Taking inflation into account, the opinion of probable costs for construction, contingencies, land / easement acquisition, and engineering to be included in the 2023 Bond Election shall be \$229,697,574. The estimated costs to issue the bonds over seven (7) installments are \$39,157,426 and the total costs are estimated to be **\$268,855,000**.

**NEW CANEY MUNICIPAL UTILITY DISTRICT
BOND ELECTION REPORT
WATER INFRASTRUCTURE PROJECTS**

WATER CAPACITY PROJECTS

PROJECT COSTS	BUDGET IN 2022 DOLLARS																				PROJECT TOTAL	
		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042		2043
W1 Design Phase Services	\$360,000				\$310,500	\$103,500															\$414,000	
W1 Construction	\$1,800,000					\$1,035,000	\$1,035,000														\$2,070,000	
2027 Land/ROW Acq	\$0																				\$0	
W2 Design Phase Services	\$1,320,000				\$1,138,500	\$379,500															\$1,518,000	
W2 Construction	\$6,600,000					\$3,795,000	\$3,795,000														\$7,590,000	
2027 Land/ROW Acq	\$178,740				\$205,551																\$205,551	
W3 Design Phase Services	\$960,000							\$892,800	\$297,600												\$1,190,400	
W3 Construction	\$4,800,000								\$2,976,000	\$2,976,000											\$5,952,000	
2030 Land/ROW Acq	\$0																				\$0	
W4 Design Phase Services	\$1,200,000	\$954,000	\$318,000																		\$1,272,000	
W4 Construction	\$6,000,000		\$3,180,000	\$3,180,000																	\$6,360,000	
2024 Land/ROW Acq	\$0																				\$0	
W5 Design Phase Services	\$1,200,000												\$1,278,000	\$426,000							\$1,704,000	
W5 Construction	\$6,000,000													\$4,260,000	\$4,260,000						\$8,520,000	
2036 Land/ROW Acq	\$0																				\$0	
W6 Design Phase Services	\$1,320,000																\$1,494,900	\$498,300			\$1,993,200	
W6 Construction	\$6,600,000																	\$4,983,000	\$4,983,000			\$9,966,000
2039 Land/ROW Acq	\$352,980															\$533,000					\$533,000	
W7 Design Phase Services	\$1,200,000																				\$0	
W7 Construction	\$6,000,000																				\$0	
2048 Land/ROW Acq	\$0																				\$0	
W8 Design Phase Services	\$1,320,000																				\$0	
W8 Construction	\$6,600,000																				\$0	
2051 Land/ROW Acq	\$178,740																				\$0	

WATERLINE IMPROVEMENTS - MAIN LINE EXTENSION PROJECTS

PROJECT COSTS	BUDGET IN 2022 DOLLARS																				PROJECT TOTAL
		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	
W9 Design Phase Services	\$272,250	\$216,439	\$72,146																		\$288,585
W9 Construction	\$1,089,000		\$577,170	\$577,170																	\$1,154,340
2024 Land/ROW Acq	\$186,500	\$197,690																			\$197,690
W10 Design Phase Services	\$346,500			\$298,856	\$99,619																\$398,475
W10 Construction	\$1,386,000				\$796,950	\$796,950															\$1,593,900
2027 Land/ROW Acq	\$257,000			\$295,550																	\$295,550
W11 Design Phase Services	\$247,500			\$213,469	\$71,156																\$284,625
W11 Construction	\$990,000				\$569,250	\$569,250															\$1,138,500
2027 Land/ROW Acq	\$163,000			\$187,450																	\$187,450
W12 Design Phase Services	\$990,000						\$920,700	\$306,900													\$1,227,600
W12 Construction	\$3,960,000							\$2,455,200	\$2,455,200												\$4,910,400
2030 Land/ROW Acq	\$667,500						\$827,700														\$827,700
W13 Design Phase Services	\$1,014,750						\$943,718	\$314,573													\$1,258,290
W13 Construction	\$4,059,000							\$2,516,580	\$2,516,580												\$5,033,160
2030 Land/ROW Acq	\$878,500						\$1,089,340														\$1,089,340
W14 Design Phase Services	\$594,000						\$552,420	\$184,140													\$736,560
W14 Construction	\$2,376,000							\$1,473,120	\$1,473,120												\$2,946,240
2030 Land/ROW Acq	\$429,000						\$531,960														\$531,960
W15 Design Phase Services	\$297,000												\$316,305	\$105,435							\$421,740
W15 Construction	\$1,188,000													\$843,480	\$843,480						\$1,686,960
2036 Land/ROW Acq	\$232,500												\$330,150								\$330,150
W16 Design Phase Services	\$445,500															\$504,529	\$168,176				\$672,705
W16 Construction	\$1,782,000																\$1,345,410	\$1,345,410			\$2,690,820
2039 Land/ROW Acq	\$346,500															\$523,215					\$523,215
W17 Design Phase Services	\$346,500																			\$554,400	\$554,400
W17 Construction	\$1,386,000																			\$1,108,800	\$1,108,800
2042 Land/ROW Acq	\$259,500																			\$415,200	\$415,200

**NEW CANEY MUNICIPAL UTILITY DISTRICT
BOND ELECTION REPORT
WATER INFRASTRUCTURE PROJECTS**

WATERLINE REHABILITATION PROJECTS

PROJECT COSTS	BUDGET IN 2022 DOLLARS																			PROJECT TOTAL			
		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041		2042	2043	
W18 Design Phase Services	\$510,000				\$439,875	\$146,625																\$586,500	
Construction	\$2,040,000					\$1,173,000	\$1,173,000															\$2,346,000	
2027 Land/ROW Acq	\$0																					\$0	
W19 Design Phase Services	\$510,000							\$474,300	\$158,100													\$632,400	
Construction	\$2,040,000								\$1,264,800	\$1,264,800												\$2,529,600	
2030 Land/ROW Acq	\$0																					\$0	
W20 Design Phase Services	\$510,000													\$543,150	\$181,050							\$724,200	
Construction	\$2,040,000														\$1,448,400	\$1,448,400						\$2,896,800	
2036 Land/ROW Acq	\$0																					\$0	
W21 Design Phase Services	\$510,000																\$577,575	\$192,525				\$770,100	
Construction	\$2,040,000																	\$1,540,200	\$1,540,200				\$3,080,400
2039 Land/ROW Acq	\$0																					\$0	

GRAND TOTAL	\$75,081,720	\$1,368,129	\$4,147,316	\$3,757,170	\$3,089,751	\$8,169,600	\$7,369,200	\$6,232,938	\$11,947,013	\$10,685,700	\$0	\$0	\$0	\$2,467,605	\$7,264,365	\$6,551,880	\$3,633,219	\$8,727,611	\$7,868,610	\$2,078,400	\$1,108,800	\$96,467,306
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* Includes estimate of land / easement acquisition costs

SOURCE OF FUNDS																			PROJECT TOTAL			
	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041		2042	2043	
Unlimited Tax Bonds																						
GRAND TOTAL	\$9,272,615			\$18,628,551			\$28,865,650			\$0			\$16,283,850			\$20,229,440			\$3,187,200		\$96,467,306	

**NEW CANEY MUNICIPAL UTILITY DISTRICT
BOND ELECTION REPORT
WASTEWATER INFRASTRUCTURE PROJECTS**

WASTEWATER CAPACITY PROJECTS

PROJECT COSTS		BUDGET IN 2022 DOLLARS																				PROJECT TOTAL	
			2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042		2043
WW1	Design Phase Services	\$2,550,000										\$2,543,625	\$847,875										\$3,391,500
	Construction	\$30,000,000											\$19,950,000	\$19,950,000									\$39,900,000
2033	Land/ROW Acq	\$0																					\$0
WW2	Design Phase Services	\$2,550,000																					\$0
	Construction	\$30,000,000																					\$0
2050	Land/ROW Acq	\$0																					\$0

SANITARY SEWER TRUNK LINE EXTENSION PROJECTS

PROJECT COSTS		BUDGET IN 2022 DOLLARS																				PROJECT TOTAL	
			2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042		2043
WW3	Design Phase Services	\$1,200,000				\$1,035,000	\$345,000																\$1,380,000
	Construction	\$4,800,000					\$2,760,000	\$2,760,000															\$5,520,000
2027	Land/ROW Acq	\$387,500				\$445,625																	\$445,625
WW4	Design Phase Services	\$1,050,000								\$976,500	\$325,500												\$1,302,000
	Construction	\$4,200,000									\$2,604,000	\$2,604,000											\$5,208,000
2030	Land/ROW Acq	\$302,500								\$375,100													\$375,100
WW5	Design Phase Services	\$2,340,000													\$2,492,100	\$830,700							\$3,322,800
	Construction	\$9,360,000														\$6,645,600	\$6,645,600						\$13,291,200
2036	Land/ROW Acq	\$736,500													\$1,045,830								\$1,045,830
WW6	Design Phase Services	\$600,000																			\$960,000		\$960,000
	Construction	\$2,400,000																			\$1,920,000	\$1,920,000	\$3,840,000
2042	Land/ROW Acq	\$241,000																			\$385,600		\$385,600

SANITARY SEWER COLLECTION LINE REHABILITATION PROJECTS

PROJECT COSTS		BUDGET IN 2022 DOLLARS																				PROJECT TOTAL	
			2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042		2043
WW7	Design Phase Services	\$1,020,000	\$810,900	\$270,300																			\$1,081,200
	Construction	\$4,080,000		\$2,162,400	\$2,162,400																		\$4,324,800
2024	Land/ROW Acq	\$0																					\$0
WW8	Design Phase Services	\$1,020,000				\$879,750	\$293,250																\$1,173,000
	Construction	\$4,080,000					\$2,346,000	\$2,346,000															\$4,692,000
2027	Land/ROW Acq	\$0																					\$0
WW9	Design Phase Services	\$1,020,000															\$1,155,150	\$385,050					\$1,540,200
	Construction	\$4,080,000																\$3,080,400	\$3,080,400				\$6,160,800
2039	Land/ROW Acq	\$0																					\$0
WW10	Design Phase Services	\$1,020,000																			\$1,632,000		\$1,632,000
	Construction	\$4,080,000																			\$3,264,000	\$3,264,000	\$6,528,000
2042	Land/ROW Acq	\$0																					\$0

GRINDER STATION CONSOLIDATION PROJECTS

PROJECT COSTS		BUDGET IN 2022 DOLLARS																				PROJECT TOTAL	
			2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042		2043
WW11	Design Phase Services	\$255,000	\$202,725	\$67,575																			\$270,300
	Construction	\$1,020,000		\$540,600	\$540,600																		\$1,081,200
2024	Land/ROW Acq	\$122,500	\$129,850																				\$129,850
WW12	Design Phase Services	\$255,000			\$219,938	\$73,313																	\$293,250
	Construction	\$1,020,000				\$586,500	\$586,500																\$1,173,000
2027	Land/ROW Acq	\$122,500			\$140,875																		\$140,875
WW13	Design Phase Services	\$255,000							\$237,150	\$79,050													\$316,200
	Construction	\$1,020,000								\$632,400	\$632,400												\$1,264,800
2030	Land/ROW Acq	\$122,500							\$151,900														\$151,900
WW14	Design Phase Services	\$255,000															\$288,788	\$96,263					\$385,050
	Construction	\$1,020,000																\$770,100	\$770,100				\$1,540,200
2039	Land/ROW Acq	\$122,500														\$184,975							\$184,975
WW15	Design Phase Services	\$255,000																			\$408,000		\$408,000
	Construction	\$1,020,000																			\$816,000	\$816,000	\$1,632,000
2042	Land/ROW Acq	\$122,500																		\$196,000			\$196,000

**NEW CANEY MUNICIPAL UTILITY DISTRICT
BOND ELECTION REPORT
WASTEWATER INFRASTRUCTURE PROJECTS**

LIFT STATION REHABILITATION PROJECTS

PROJECT COSTS		BUDGET IN 2022 DOLLARS																		PROJECT TOTAL			
			2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040		2041	2042	2043
WW16	Design Phase Services	\$450,000							\$418,500	\$139,500													\$558,000
	Construction	\$1,800,000								\$1,116,000	\$1,116,000												\$2,232,000
2030	Land/ROW Acq	\$48,060							\$59,594														\$59,594
WW17	Design Phase Services	\$225,000							\$209,250	\$69,750													\$279,000
	Construction	\$900,000								\$558,000	\$558,000												\$1,116,000
2030	Land/ROW Acq	\$48,060							\$59,594														\$59,594
WW18	Design Phase Services	\$225,000												\$239,625	\$79,875								\$319,500
	Construction	\$900,000													\$639,000	\$639,000							\$1,278,000
2036	Land/ROW Acq	\$48,060												\$68,245									\$68,245
WW19	Design Phase Services	\$225,000															\$254,813	\$84,938					\$339,750
	Construction	\$900,000																\$679,500	\$679,500				\$1,359,000
2039	Land/ROW Acq	\$48,060															\$72,571						\$72,571
WW20	Design Phase Services	\$270,000															\$305,775	\$101,925					\$407,700
	Construction	\$1,080,000																\$815,400	\$815,400				\$1,630,800
2039	Land/ROW Acq	\$48,060															\$72,571						\$72,571
WW21	Design Phase Services	\$270,000																				\$432,000	\$432,000
	Construction	\$1,080,000																				\$864,000	\$1,728,000
2042	Land/ROW Acq	\$48,060																				\$76,896	\$76,896
WW22	Design Phase Services	\$270,000																				\$432,000	\$432,000
	Construction	\$1,080,000																				\$864,000	\$1,728,000
2042	Land/ROW Acq	\$48,060																				\$76,896	\$76,896
WW23	Design Phase Services	\$270,000																				\$432,000	\$432,000
	Construction	\$1,080,000																				\$864,000	\$1,728,000
2042	Land/ROW Acq	\$48,060																				\$76,896	\$76,896
GRAND TOTAL		\$98,964,480	\$1,143,475	\$3,040,875	\$2,703,000	\$2,721,188	\$6,404,063	\$5,692,500	\$2,487,589	\$5,524,200	\$4,910,400	\$2,543,625	\$20,797,875	\$19,950,000	\$3,845,800	\$8,195,175	\$7,284,600	\$2,334,641	\$6,013,575	\$5,345,400	\$13,700,288	\$8,592,000	\$133,230,268

* Includes estimate of land / easement acquisition costs

SOURCE OF FUNDS																			PROJECT TOTAL					
		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040		2041	2042	2043		
Unlimited Tax Bonds																								
GRAND TOTAL		\$6,887,350			\$14,817,750			\$12,922,189			\$43,291,500			\$19,325,575			\$13,693,616			\$22,292,288			\$133,230,268	



NEW CANEY MUD DISTRICT WATER DISTRIBUTION MAP

JANUARY 2022

LEGEND

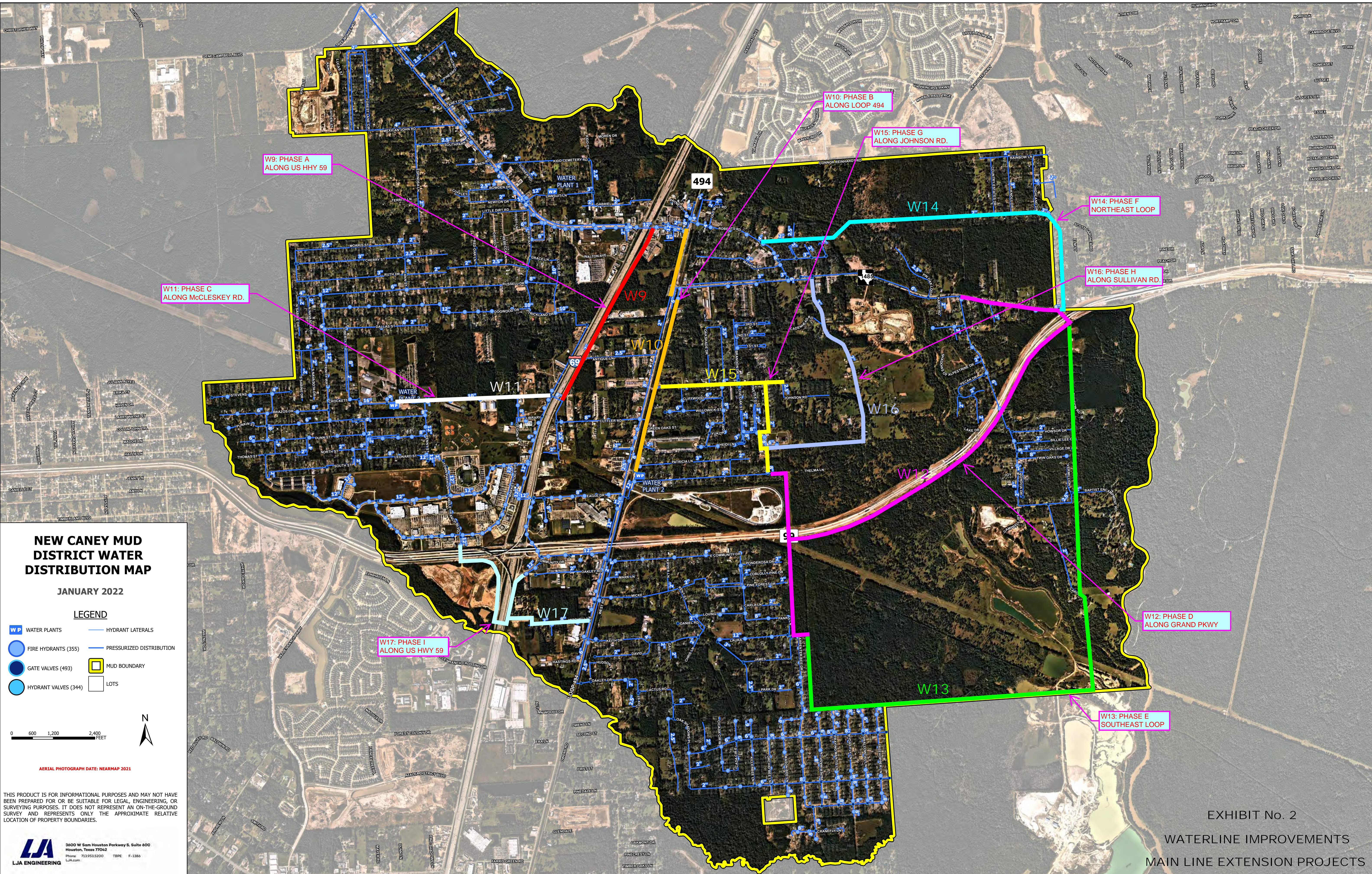
- WP WATER PLANTS
- FIRE HYDRANTS (355)
- GATE VALVES (493)
- HYDRANT VALVES (344)
- HYDRANT LATERALS
- PRESSURIZED DISTRIBUTION
- MUD BOUNDARY
- LOTS



AERIAL PHOTOGRAPH DATE: NEARMAP 2021

THIS PRODUCT IS FOR INFORMATIONAL PURPOSES AND MAY NOT HAVE BEEN PREPARED FOR OR BE SUITABLE FOR LEGAL, ENGINEERING, OR SURVEYING PURPOSES. IT DOES NOT REPRESENT AN ON-THE-GROUND SURVEY AND REPRESENTS ONLY THE APPROXIMATE RELATIVE LOCATION OF PROPERTY BOUNDARIES.

LJA ENGINEERING
 3400 W Sam Houston Parkway S, Suite 600
 Houston, Texas 77042
 Phone: 713.953.5200 TBPE F-1386
 LJA.com



W9: PHASE A
ALONG US HHY 59

W10: PHASE B
ALONG LOOP 494

W15: PHASE G
ALONG JOHNSON RD.

W14: PHASE F
NORTHEAST LOOP

W16: PHASE H
ALONG SULLIVAN RD.

W11: PHASE C
ALONG MCCLESKEY RD.

W12: PHASE D
ALONG GRAND PKWY

W13: PHASE E
SOUTHEAST LOOP

W17: PHASE I
ALONG US HWY 59

NEW CANEY MUD DISTRICT WATER DISTRIBUTION MAP

JANUARY 2022

LEGEND

- WP WATER PLANTS
- FIRE HYDRANTS (355)
- GATE VALVES (493)
- HYDRANT VALVES (344)
- HYDRANT LATERALS
- PRESSURIZED DISTRIBUTION
- MUD BOUNDARY
- LOTS



AERIAL PHOTOGRAPH DATE: NEARMAP 2021

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NEW CANEY MUD DISTRICT WATER DISTRIBUTION MAP 4" AND BELOW

JANUARY 2022

LEGEND

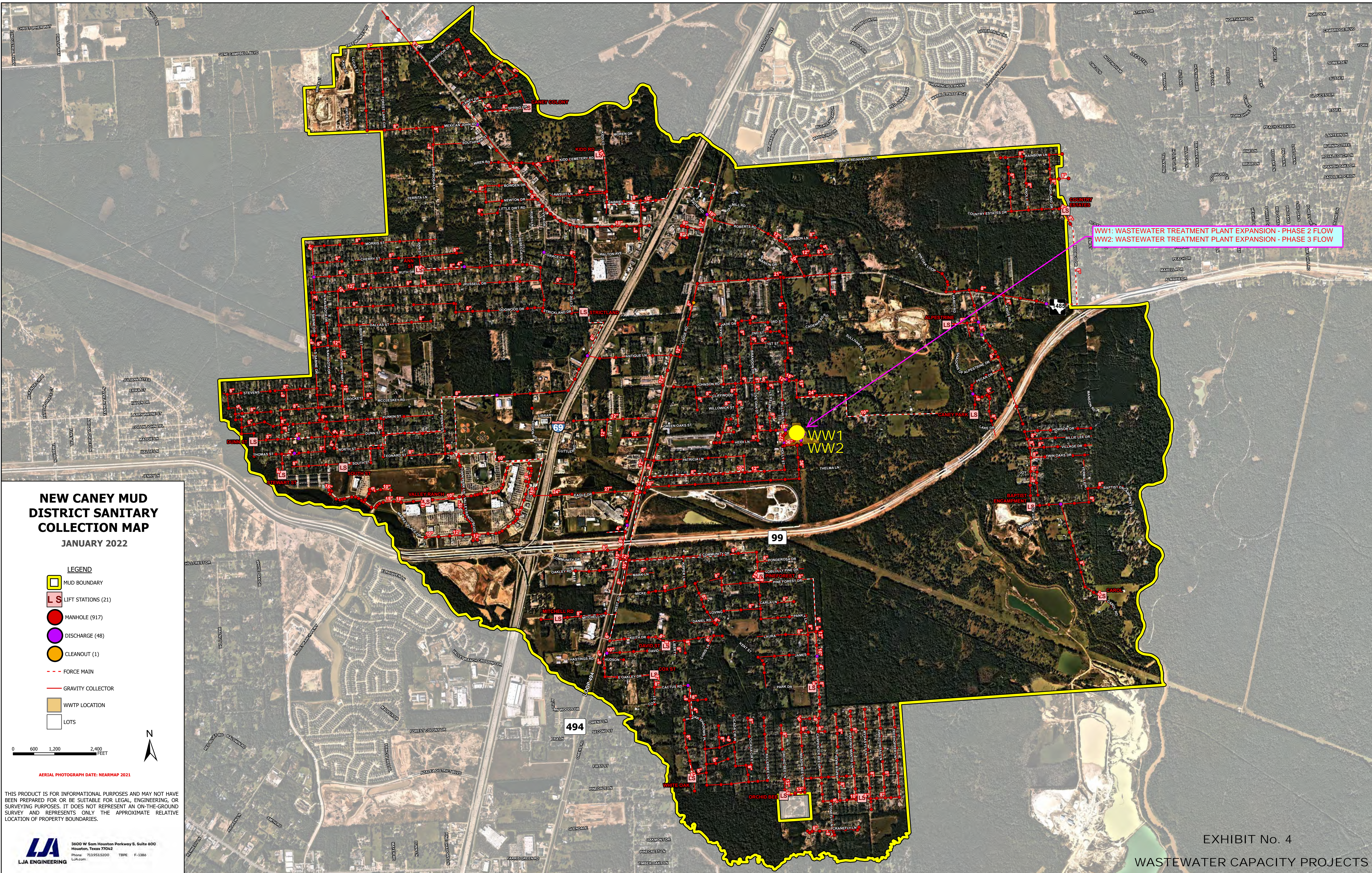
- WP WATER PLANTS
- FIRE HYDRANTS (355)
- GATE VALVES (493)
- HYDRANT VALVES (344)
- HYDRANT LATERALS
- 6" AND BELOW WATER MAINS
- PRESSURIZED DISTRIBUTION
- MUD BOUNDARY
- LOTS



AERIAL PHOTOGRAPH DATE: NEARMAP 2021

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W18 THRU W21
 W18 THRU W21: PHASES A, B, C, & D
 DISTRICT WIDE REHABILITATION OF
 UNDERSIZED & AGING DISTRIBUTION LINES



NEW CANEY MUD DISTRICT SANITARY COLLECTION MAP

JANUARY 2022

LEGEND

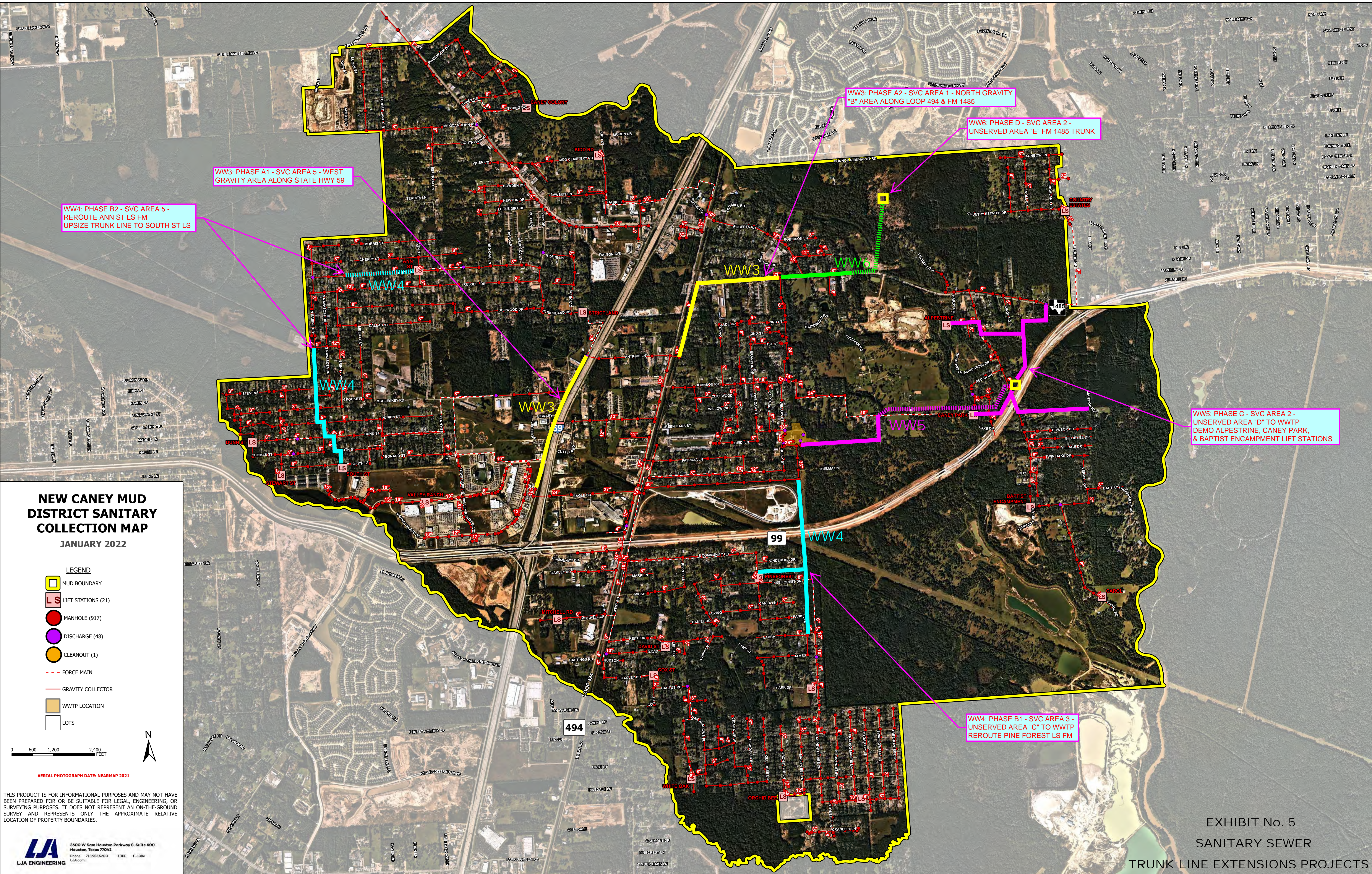
- MUD BOUNDARY
- LIFT STATIONS (21)
- MANHOLE (917)
- DISCHARGE (48)
- CLEANOUT (1)
- FORCE MAIN
- GRAVITY COLLECTOR
- WWTP LOCATION
- LOTS

0 600 1,200 2,400 FEET



AERIAL PHOTOGRAPH DATE: NEARMAP 2021

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WW4: PHASE B2 - SVC AREA 5 -
REROUTE ANN ST LS FM
UPSIZE TRUNK LINE TO SOUTH ST LS

WW3: PHASE A1 - SVC AREA 5 - WEST
GRAVITY AREA ALONG STATE HWY 59

WW3: PHASE A2 - SVC AREA 1 - NORTH GRAVITY
"B" AREA ALONG LOOP 494 & FM 1485

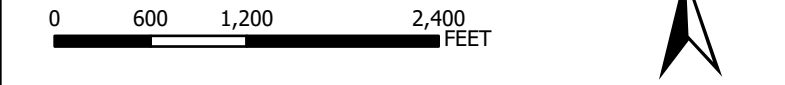
WW6: PHASE D - SVC AREA 2 -
UNSERVED AREA "E" FM 1485 TRUNK

WW5: PHASE C - SVC AREA 2 -
UNSERVED AREA "D" TO WWTP
DEMO ALPESTRINE, CANEY PARK,
& BAPTIST ENCAMPMENT LIFT STATIONS

WW4: PHASE B1 - SVC AREA 3 -
UNSERVED AREA "C" TO WWTP
REROUTE PINE FOREST LS FM

**NEW CANEY MUD
DISTRICT SANITARY
COLLECTION MAP**
JANUARY 2022

- LEGEND**
- MUD BOUNDARY
 - LS LIFT STATIONS (21)
 - MANHOLE (917)
 - DISCHARGE (48)
 - CLEANOUT (1)
 - FORCE MAIN
 - GRAVITY COLLECTOR
 - WWTP LOCATION
 - LOTS



AERIAL PHOTOGRAPH DATE: NEARMAP 2021

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NEW CANEY MUD DISTRICT SANITARY COLLECTION MAP

JANUARY 2022

LEGEND

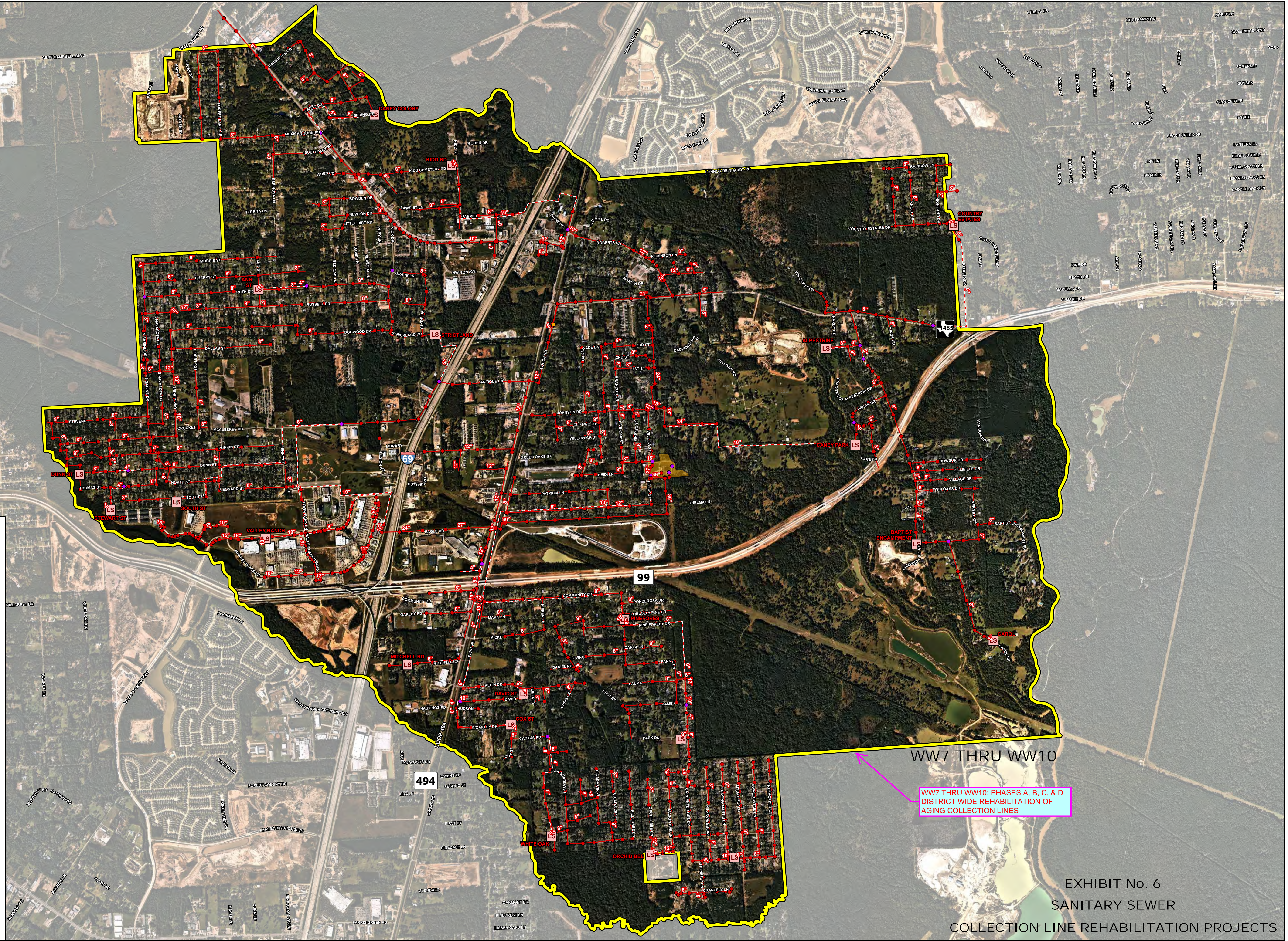
-  MUD BOUNDARY
-  LIFT STATIONS (21)
-  MANHOLE (917)
-  DISCHARGE (48)
-  CLEANOUT (1)
-  FORCE MAIN
-  GRAVITY COLLECTOR
-  WWTP LOCATION
-  LOTS

0 600 1,200 2,400 FEET



AERIAL PHOTOGRAPH DATE: NEARMAP 2021

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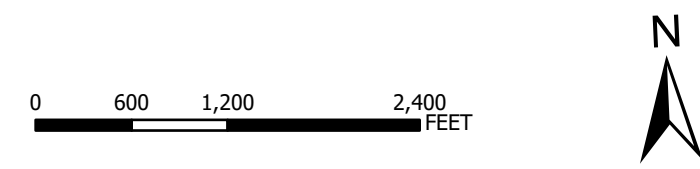


WW7 THRU WW10
 WW7 THRU WW10: PHASES A, B, C, & D
 DISTRICT WIDE REHABILITATION OF
 AGING COLLECTION LINES

NEW CANEY MUD DISTRICT SANITARY COLLECTION MAP
JANUARY 2022

LEGEND

- MUD BOUNDARY
- FORCE MAIN
- LIFT STATIONS (21)
- MANHOLE (917)
- DISCHARGE (48)
- CLEANOUT (1)
- GRINDER PUMPS (143)
- GRAVITY COLLECTOR
- WWTP LOCATION
- LOTS

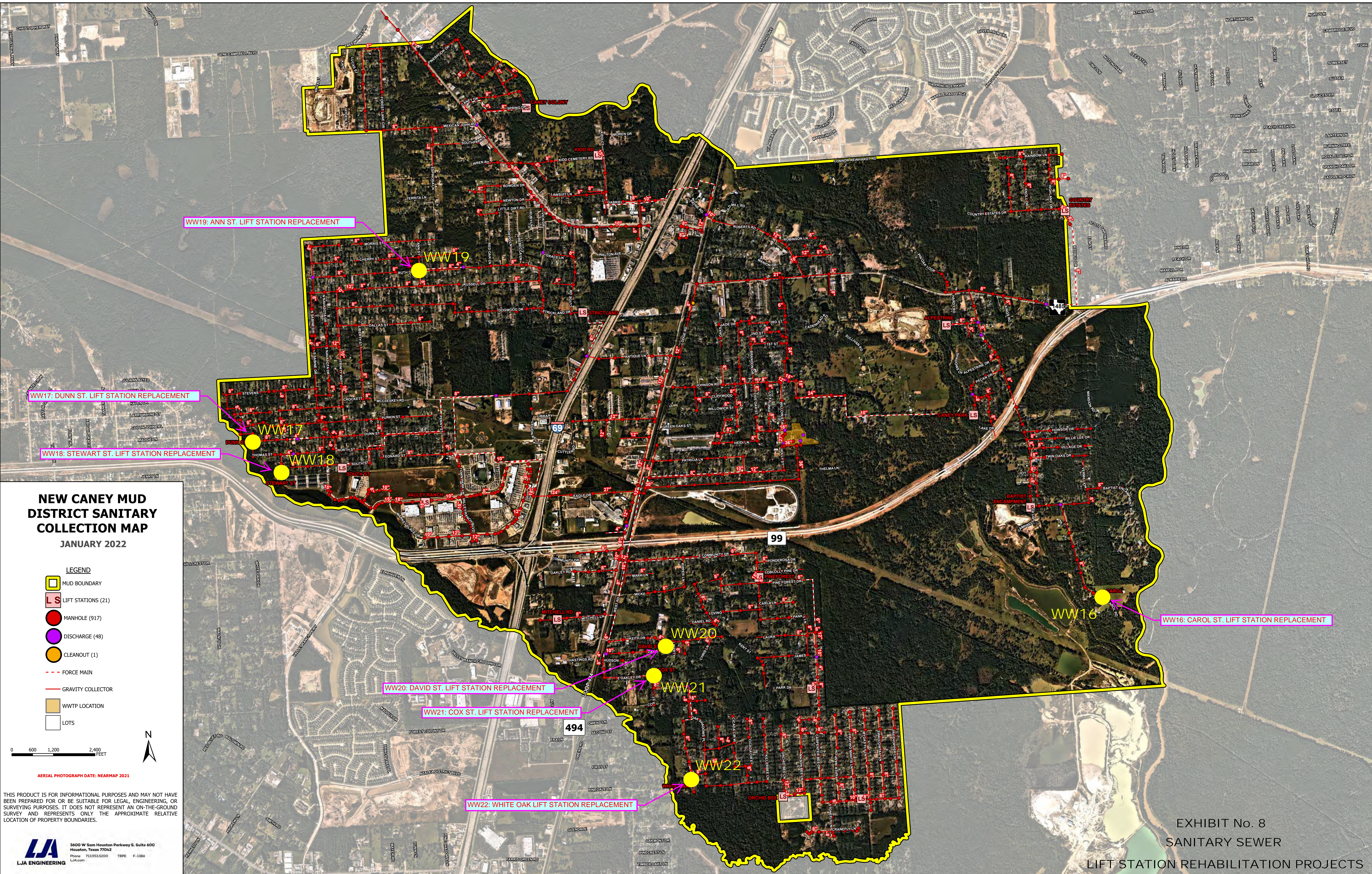


AERIAL PHOTOGRAPH DATE: NEARMAP 2021

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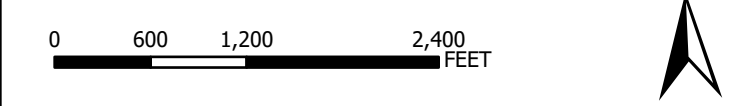


WW11 THRU WW15: PHASES A, B, C, D, & E
 DISTRICT WIDE CONSOLIDATION OF
 RESIDENTIAL & COMMERCIAL GRINDER PUMPS



NEW CANEY MUD DISTRICT SANITARY COLLECTION MAP
JANUARY 2022

- LEGEND**
- MUD BOUNDARY
 - LS LIFT STATIONS (21)
 - MANHOLE (917)
 - DISCHARGE (48)
 - CLEANOUT (1)
 - FORCE MAIN
 - GRAVITY COLLECTOR
 - WWTP LOCATION
 - LOTS



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