



PLANNING AND ZONING CASE CHECKLIST

City of Rockwall
Planning and Zoning Department
385 S. Goliad Street
Rockwall, Texas 75087

P&Z CASE # M152019-014 P&Z DATE 11/12/19 CC DATE 11/18/19 APPROVED/DENIED

ARCHITECTURAL REVIEW BOARD DATE _____ HPAB DATE _____ PARK BOARD DATE _____

ZONING APPLICATION
<input type="checkbox"/> SPECIFIC USE PERMIT
<input type="checkbox"/> ZONING CHANGE
<input type="checkbox"/> PD CONCEPT PLAN
<input type="checkbox"/> PD DEVELOPMENT PLAN

SITE PLAN APPLICATION
<input type="checkbox"/> SITE PLAN
<input type="checkbox"/> LANDSCAPE PLAN
<input type="checkbox"/> TREESCAPE PLAN
<input type="checkbox"/> PHOTOMETRIC PLAN
<input type="checkbox"/> BUILDING ELEVATIONS
<input type="checkbox"/> MATERIAL SAMPLES
<input type="checkbox"/> COLOR RENDERING

PLATTING APPLICATION
<input type="checkbox"/> MASTER PLAT
<input type="checkbox"/> PRELIMINARY PLAT
<input type="checkbox"/> FINAL PLAT
<input type="checkbox"/> REPLAT
<input type="checkbox"/> ADMINISTRATIVE/MINOR PLAT
<input type="checkbox"/> VACATION PLAT
<input type="checkbox"/> LANDSCAPE PLAN
<input type="checkbox"/> TREESCAPE PLAN

<input type="checkbox"/> COPY OF ORDINANCE (ORD.# _____)
<input type="checkbox"/> APPLICATIONS
<input type="checkbox"/> RECEIPT
<input type="checkbox"/> LOCATION MAP
<input type="checkbox"/> HOA MAP
<input type="checkbox"/> PON MAP
<input type="checkbox"/> FLU MAP
<input type="checkbox"/> NEWSPAPER PUBLIC NOTICE
<input type="checkbox"/> 500-FT. BUFFER PUBLIC NOTICE
<input type="checkbox"/> PROJECT REVIEW
<input type="checkbox"/> STAFF REPORT
<input type="checkbox"/> CORRESPONDENCE
<input type="checkbox"/> COPY-ALL PLANS REQUIRED
<input type="checkbox"/> COPY-MARK-UPS
<input type="checkbox"/> CITY COUNCIL MINUTES-LASERFICHE
<input type="checkbox"/> MINUTES-LASERFICHE
<input type="checkbox"/> PLAT FILED DATE _____
<input type="checkbox"/> CABINET # _____
<input type="checkbox"/> SLIDE # _____
NOTES: _____

ZONING MAP UPDATED _____



CITY OF ROCKWALL

PLANNING AND ZONING COMMISSION MEMORANDUM

PLANNING AND ZONING DEPARTMENT

385 S. GOLIAD STREET • ROCKWALL, TX 75087

PHONE: (972) 771-7745 • EMAIL: PLANNING@ROCKWALL.COM

TO: Planning and Zoning Commission
FROM: Ryan Miller, *Director of Planning and Zoning*
DATE: October 29, 2019
SUBJECT: MIS2019-004; *Master Water/Wastewater Plan Update*

Recently, the City's consultant -- *Birkhoff, Hendricks & Carter LLP* -- finished revising the water and wastewater master plans. These plans were incorporated into the OURHometown Vision 2040 Comprehensive Plan on December 3, 2018 by *Ordinance No. 18-48*. As a result of their incorporation, staff is bringing forward an amendment to the Comprehensive Plan to incorporate the revisions identified by the City's consultants. According to Section 213.003 of the Texas Local Government Code, "(a) comprehensive plan may be adopted or amended by ordinance following:

- (1) *A hearing at which the public is given the opportunity to give testimony and present written evidence; and*
- (2) *Review by the municipality's planning commission or department, if one exists."*

Additionally, Section 9.03 of the City's Home Rule Charter states that "(r)ecommended changes to the Master Plan shall be submitted to the City Manager after the Planning and Zoning Commission holds at least one public hearing on the proposed change." Furthermore, Section 9.04 states that the "City Manager shall submit the proposed changes to the Council, together with any recommendations. The Council, after a public hearing, shall adopt or reject such proposed revision or any part thereof as submitted within sixty (60) days following its submission by the City Manager. If the proposed revision or part thereof should be rejected by the Council, the Planning and Zoning Commission may make modifications and again forward it to the City Manager for submission to the Council."

The projected meeting dates for this case are as follows:

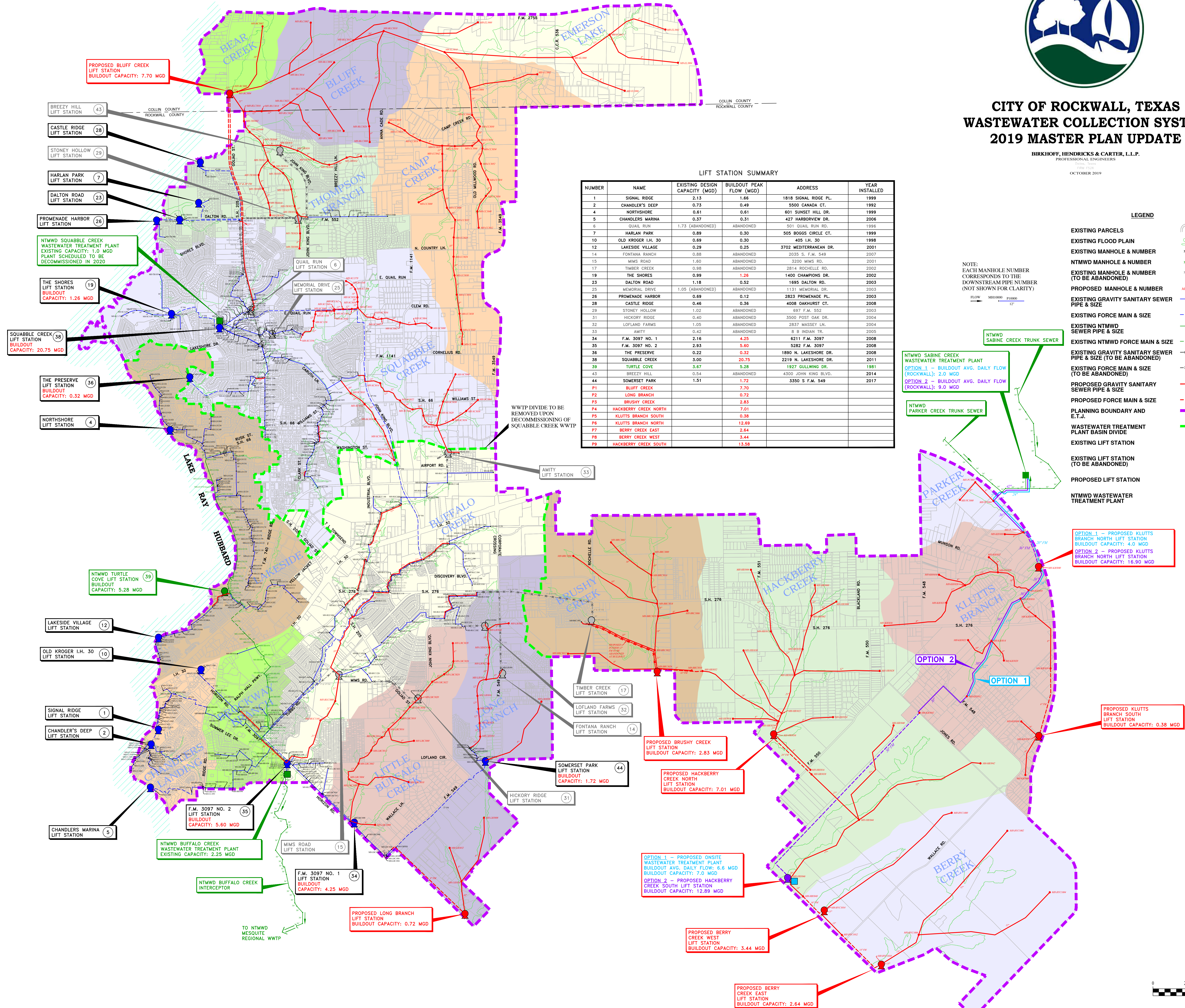
Planning and Zoning Commission Work Session: October 29, 2019
Planning and Zoning Commission Public Hearing: November 12, 2019
City Council Public Hearing/1st Reading: November 18, 2019
City Council 2nd Reading: December 2, 2019.

Should the Planning and Zoning Commission have any question concerning the amendment, staff will be available at the October 29, 2019 work session meeting.



CITY OF ROCKWALL, TEXAS WASTEWATER COLLECTION SYSTEM 2019 MASTER PLAN UPDATE

BIRKHOFF, HENDRICKS & CARTER, L.L.P.
PROFESSIONAL ENGINEERS
OCTOBER 2019



LIFT STATION SUMMARY

NUMBER	NAME	EXISTING DESIGN CAPACITY (MGD)	BUILDOUT PEAK FLOW (MGD)	ADDRESS	YEAR INSTALLED
1	SIGNAL RIDGE	2.13	1.66	1816 SIGNAL RIDGE PL.	1999
2	CHANDLER'S DEEP	0.75	0.49	5500 CANADA CT.	1992
4	NORTHSHORE	0.61	0.61	801 SUNSET HILL DR.	1999
5	CHANDLERS MARINA	0.37	0.31	427 HARBORVIEW DR.	2006
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7	HARLAN PARK	0.89	0.30	505 BOGGS CIRCLE CT.	1999
10	OLD KROGER I.H. 30	0.69	0.36	405 I.H. 30	1998
12	LAKEVILLE VILLAGE	0.29	0.25	3702 MEDITERRANEAN DR.	2001
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33	AMITY	0.42	ABANDONED	8 B INDIAN TR.	2005
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44	SOMERSET PARK	1.51	1.72	3350 S.F.M. 549	2017
P1	BLUFF CREEK		7.70		
P2	LONG BRANCH		0.72		
P3	BRUSHY CREEK		2.83		
P4	HACKBERRY CREEK NORTH		7.01		
P5	KLUTTS BRANCH SOUTH		0.38		
P6	KLUTTS BRANCH NORTH		12.69		
P7	BERRY CREEK EAST		2.44		
P8	BERRY CREEK WEST		3.44		
P9	HACKBERRY CREEK SOUTH		13.58		

- LEGEND**
- EXISTING PARCELS
 - EXISTING FLOOD PLAIN
 - EXISTING MANHOLE & NUMBER
 - NTMWD MANHOLE & NUMBER
 - EXISTING MANHOLE & NUMBER (TO BE ABANDONED)
 - PROPOSED MANHOLE & NUMBER
 - EXISTING GRAVITY SANITARY SEWER PIPE & SIZE
 - EXISTING FORCE MAIN & SIZE
 - EXISTING NTMWD SEWER PIPE & SIZE
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 - PLANNING BOUNDARY AND E.T.J.
 - WASTEWATER TREATMENT PLANT BASIN DIVIDE
 - EXISTING LIFT STATION
 - EXISTING LIFT STATION (TO BE ABANDONED)
 - PROPOSED LIFT STATION
 - NTMWD WASTEWATER TREATMENT PLANT

NOTE: EACH MANHOLE NUMBER CORRESPONDS TO THE DOWNSTREAM PIPE NUMBER (NOT SHOWN FOR CLARITY)

NTMWD SABINE CREEK TRUNK SEWER
NTMWD SABINE CREEK WASTEWATER TREATMENT PLANT
OPTION 1 - BUILDOUT AVG. DAILY FLOW (ROCKWALL): 2.0 MGD
OPTION 2 - BUILDOUT AVG. DAILY FLOW (ROCKWALL): 9.0 MGD
NTMWD PARKER CREEK TRUNK SEWER

OPTION 1 - PROPOSED KLUTTS BRANCH NORTH LIFT STATION
BUILDOUT CAPACITY: 4.0 MGD
OPTION 2 - PROPOSED KLUTTS BRANCH NORTH LIFT STATION
BUILDOUT CAPACITY: 16.30 MGD

PROPOSED KLUTTS BRANCH SOUTH LIFT STATION
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BUILDOUT CAPACITY: 0.72 MGD

F.M. 3097 NO. 2 LIFT STATION
BUILDOUT CAPACITY: 5.60 MGD

F.M. 3097 NO. 1 LIFT STATION
BUILDOUT CAPACITY: 4.25 MGD

NTMWD TURTLE COVE LIFT STATION
BUILDOUT CAPACITY: 5.28 MGD

LAKEVILLE VILLAGE LIFT STATION

OLD KROGER I.H. 30 LIFT STATION

SIGNAL RIDGE LIFT STATION

CHANDLER'S DEEP LIFT STATION

CHANDLERS MARINA LIFT STATION

F.M. 3097 NO. 2 LIFT STATION

NTMWD BUFFALO CREEK WASTEWATER TREATMENT PLANT

NTMWD BUFFALO CREEK INTERCEPTOR

F.M. 3097 NO. 1 LIFT STATION

MIMS ROAD LIFT STATION

TO NTMWD MESQUITE REGIONAL WWTP

WWTP DIVIDE TO BE REMOVED UPON DECOMMISSIONING OF SQUABBLE CREEK WWTP

AMITY LIFT STATION

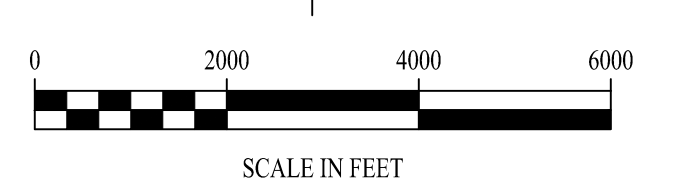
TIMBER CREEK LIFT STATION

LOFLAND FARMS LIFT STATION

FONTANA RANCH LIFT STATION

SOMERSET PARK LIFT STATION

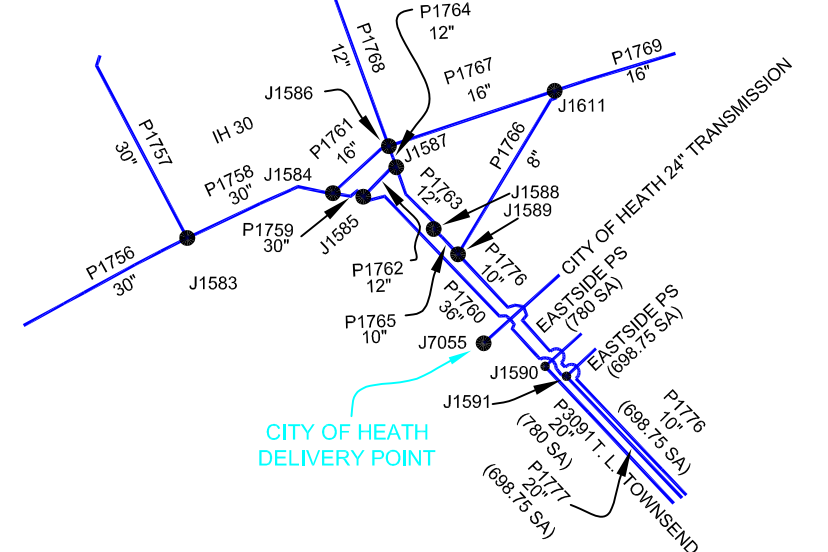
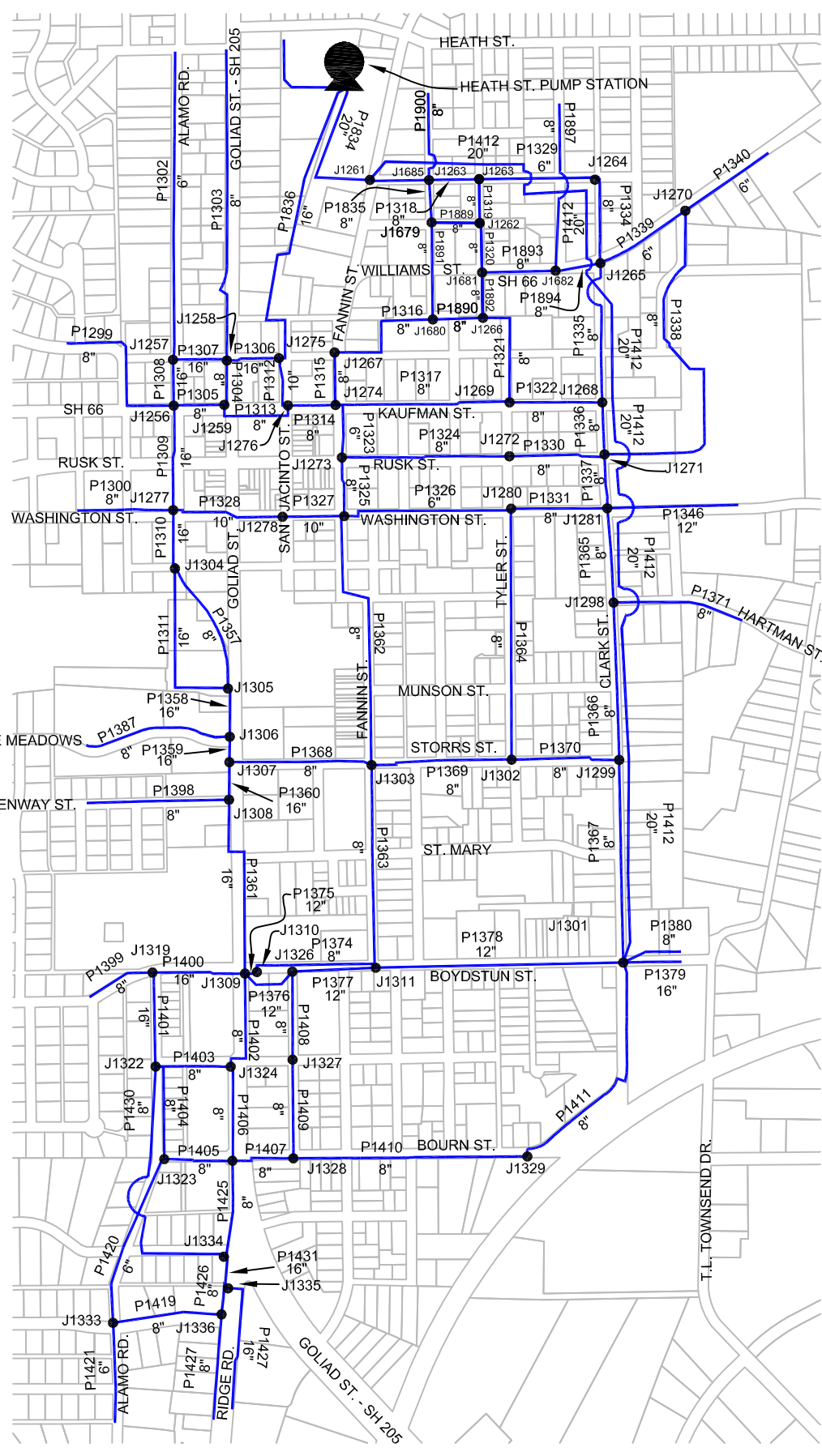
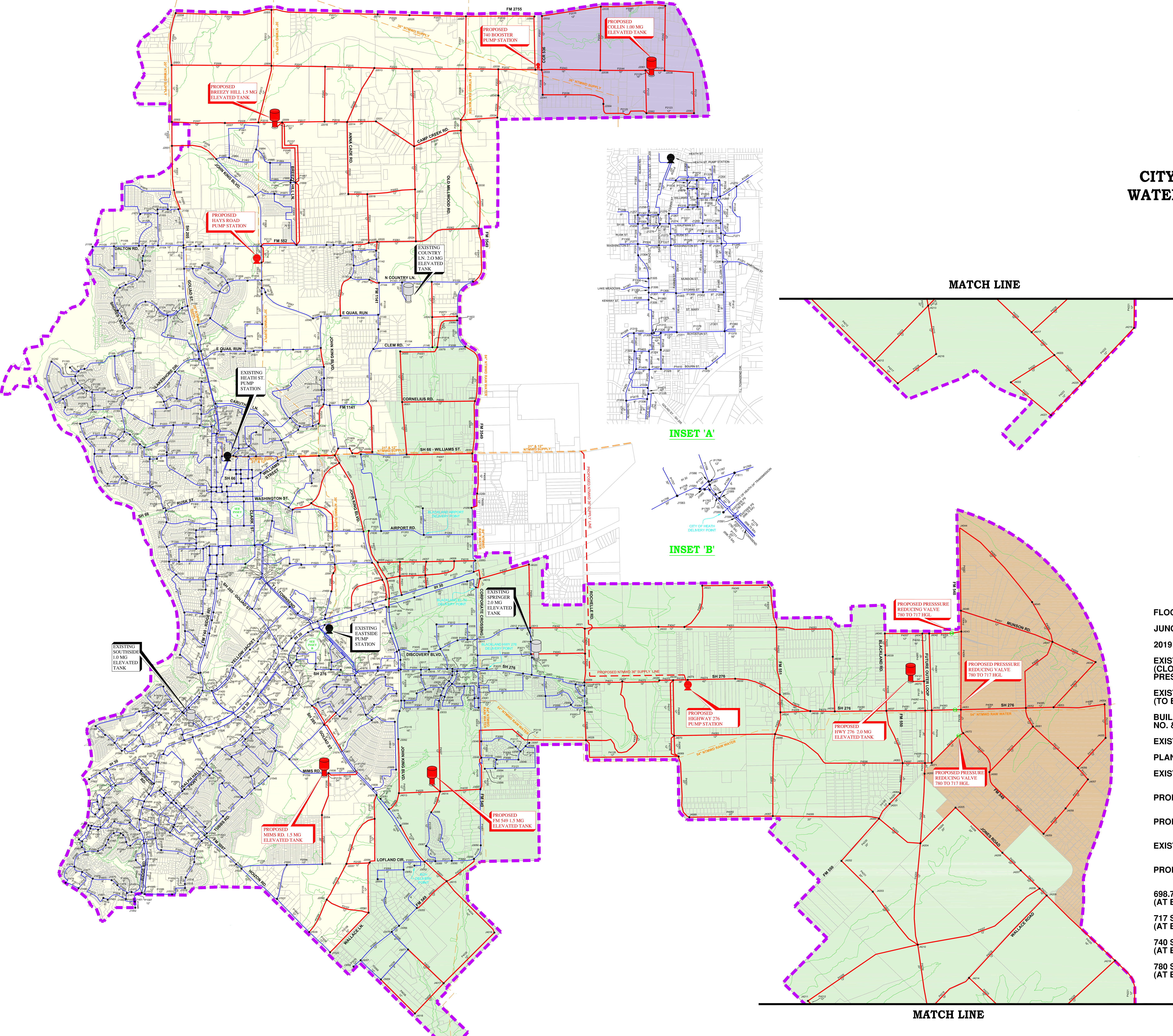
HICKORY RIDGE LIFT STATION



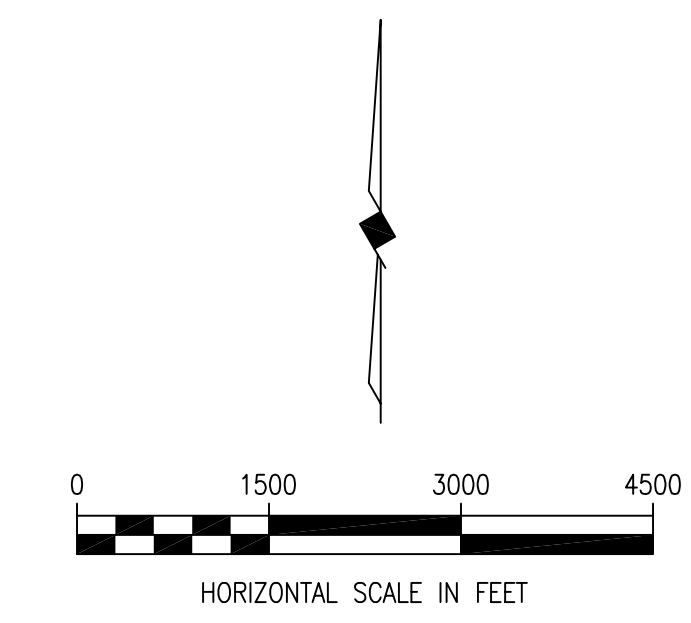


CITY OF ROCKWALL, TEXAS WATER DISTRIBUTION SYSTEM MASTER PLAN

BIRKHOFF, HENDRICKS & CARTER, L.L.P.
PROFESSIONAL ENGINEERS
Dallas, Texas
Phone: 972.962.2000
FAX: 972.962.2001
OCTOBER 2019



MATCH LINE



LEGEND

- FLOODPLAIN BOUNDARY
- JUNCTION NODE & NO.
- 2019 EXISTING WATER LINE NO. & SIZE
- EXISTING WATER LINE NO. & SIZE (CLOSED IN MODEL FOR BUILDOUT PRESSURE DIVIDES)
- EXISTING WATER LINE NO. & SIZE (TO BE ABANDONED IN FUTURE)
- BUILDOUT PROPOSED WATER LINE NO. & SIZE
- EXISTING NTMWD SUPPLY LINE
- PLANNING BOUNDARY
- EXISTING PUMP STATION
- PROPOSED PUMP STATION
- PROPOSED PRESSURE REDUCING VALVE
- EXISTING ELEVATED STORAGE TANK
- PROPOSED ELEVATED STORAGE TANK
- 698.75 SERVICE AREA BOUNDARY (AT BUILDOUT)
- 717 SERVICE AREA BOUNDARY (AT BUILDOUT)
- 740 SERVICE AREA BOUNDARY (AT BUILDOUT)
- 780 SERVICE AREA BOUNDARY (AT BUILDOUT)

MATCH LINE

CITY OF ROCKWALL

ORDINANCE NO. 19-XX

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF ROCKWALL, TEXAS, ADOPTING REVISIONS TO THE MASTER WATER PLAN AND THE MASTER WASTEWATER PLAN CONTAINED IN THE OURHOMETOWN VISION 2040 COMPREHENSIVE PLAN IN ACCORDANCE WITH THE CITY'S HOME RULE CHARTER.

WHEREAS, the *Home Rule Charter* of the City of Rockwall, Texas, states that the Comprehensive Plan will contain recommendations for the growth, development and beautification of the City and its Extraterritorial Jurisdiction (ETJ); and

WHEREAS, the City Council of the City of Rockwall has previously authorized a study to update the Comprehensive Plan, also referred to as the Master Plan; and

WHEREAS, the citizens of the City of Rockwall were involved in the development of the Comprehensive Plan through participation in a citizen action committee (*i.e. the Comprehensive Plan Advisory Committee [CPAC]*) and public meetings; and

WHEREAS, the OURHometown Vision 2040 Comprehensive Plan was adopted by the City Council of the City of Rockwall on December 3, 2019 by *Ordinance No. 18-43*; and

WHEREAS, the Comprehensive Plan shall serve as a guide to all future City Council action concerning land use and development regulations, and expenditures for capital improvements; and

WHEREAS, the Water/Wastewater Master Plans are updated on a five (5) year basis and the City Council of the City of Rockwall authorized Brickoff, Hendricks & Cater, LLP to perform the update; and

WHEREAS, Section 213.003, *Adoption or Amendment of Comprehensive Plan*, of Chapter 213, *Municipal Comprehensive Plans*, of the *Texas Local Government Code* states that the adoption of or amendment to a Comprehensive Plan requires a hearing at which the public is given the opportunity to give testimony and present written evidence, and as required by the *Home Rule Charter of the City of Rockwall* a public hearing has been held on the proposed revisions to the Comprehensive Plan, and the governing body -- *in the exercise of its legislative discretion* -- has concluded that the Comprehensive Plan should be amended as follows:

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

Section 1. That the Master Water Plan and Master Wastewater Plan contained within *Appendix 'C'* of the OURHometown Vision 2040 Comprehensive Plan be amended as depicted in *Exhibit 'A'* of this ordinance; and

Section 2. The Comprehensive Plan shall be used by City Staff in planning and as a guide for future development of the City of Rockwall; and,

Section 3. This ordinance shall take effect immediately from and after its passage.

PASSED AND APPROVED BY THE CITY COUNCIL OF THE CITY OF ROCKWALL, TEXAS, THIS THE 2ND DAY OF DECEMBER, 2019.

Jim Pruitt, Mayor

ATTEST:

Kristy Cole, City Secretary

APPROVED AS TO FORM:

Frank J. Garza, City Attorney

1st Reading: November 18, 2019

2nd Reading: December 2, 2019

DRAFT
ORDINANCE
10.29.2019

Exhibit 'A'
Master Water Plan

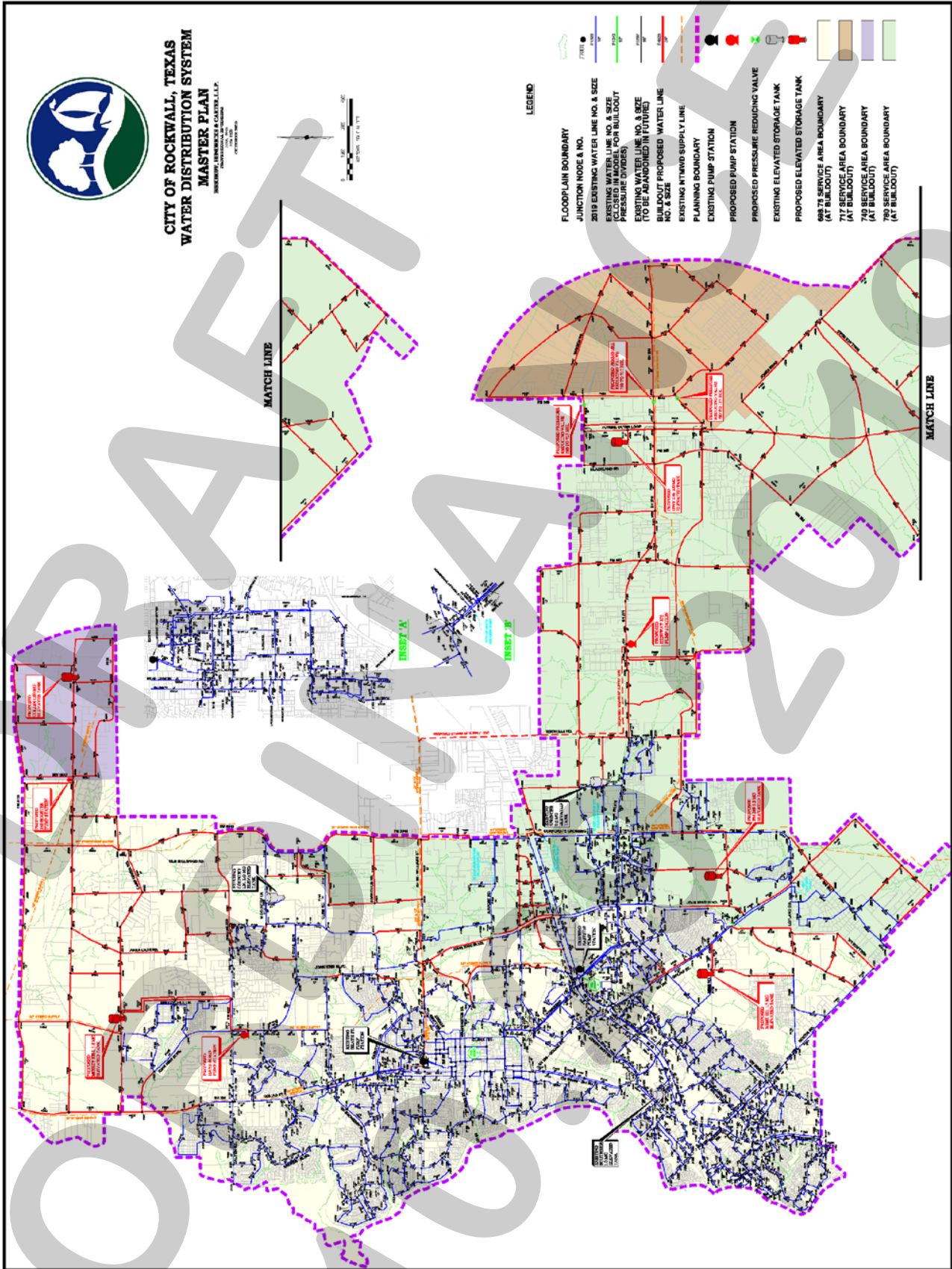
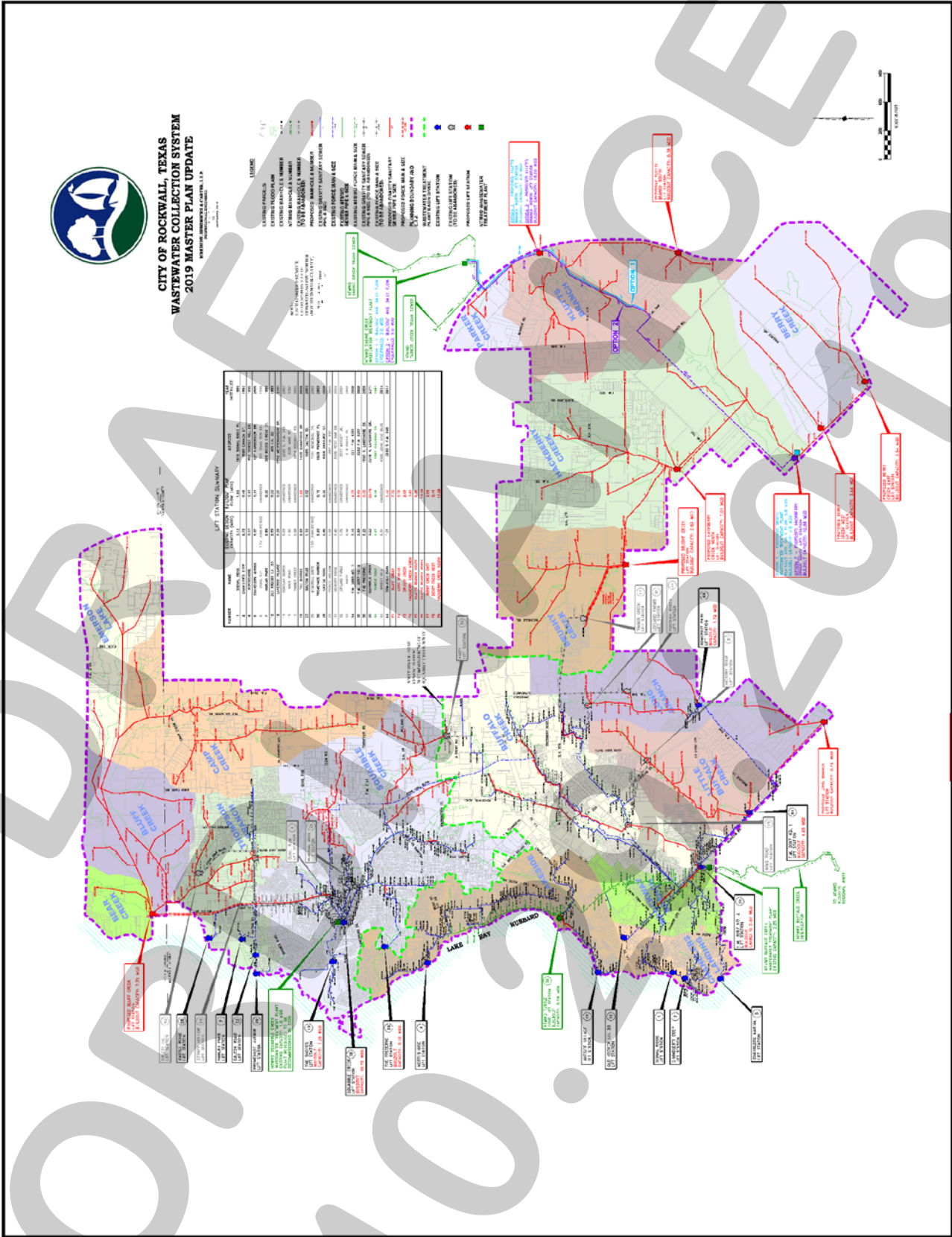


Exhibit 'A'
Master Wastewater Plan





CITY OF ROCKWALL

PLANNING AND ZONING COMMISSION MEMORANDUM

PLANNING AND ZONING DEPARTMENT

385 S. GOLIAD STREET • ROCKWALL, TX 75087

PHONE: (972) 771-7745 • EMAIL: PLANNING@ROCKWALL.COM

TO: Planning and Zoning Commission
FROM: Ryan Miller, *Director of Planning and Zoning*
DATE: November 12, 2019
SUBJECT: MIS2019-004; *Master Water/Wastewater Plan Update*

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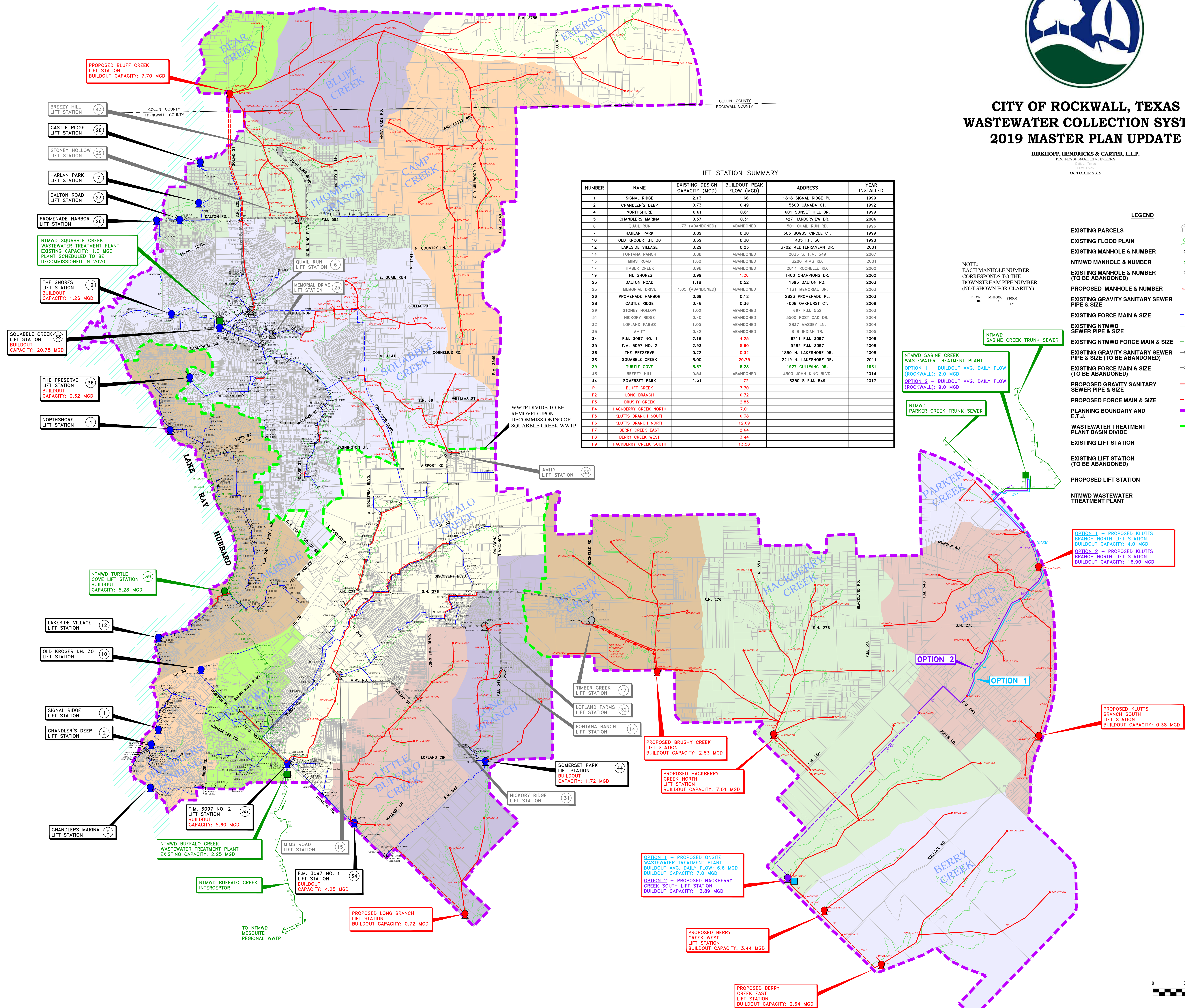
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BIRKHOFF, HENDRICKS & CARTER, L.L.P.
PROFESSIONAL ENGINEERS
OCTOBER 2019



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 - EXISTING MANHOLE & NUMBER
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NOTE: EACH MANHOLE NUMBER CORRESPONDS TO THE DOWNSTREAM PIPE NUMBER (NOT SHOWN FOR CLARITY)

NTMWD SABINE CREEK TRUNK SEWER
NTMWD SABINE CREEK WASTEWATER TREATMENT PLANT
OPTION 1 - BUILDOUT AVG. DAILY FLOW (ROCKWALL): 2.0 MGD
OPTION 2 - BUILDOUT AVG. DAILY FLOW (ROCKWALL): 9.0 MGD
NTMWD PARKER CREEK TRUNK SEWER

OPTION 1 - PROPOSED KLUTTS BRANCH NORTH LIFT STATION
BUILDOUT CAPACITY: 4.0 MGD
OPTION 2 - PROPOSED KLUTTS BRANCH NORTH LIFT STATION
BUILDOUT CAPACITY: 16.50 MGD

PROPOSED KLUTTS BRANCH SOUTH LIFT STATION
BUILDOUT CAPACITY: 0.38 MGD

PROPOSED BRUSHY CREEK LIFT STATION
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BUILDOUT AVG. DAILY FLOW: 6.6 MGD
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PROPOSED BERRY CREEK EAST LIFT STATION
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PROPOSED LONG BRANCH LIFT STATION
BUILDOUT CAPACITY: 0.72 MGD

F.M. 3097 NO. 2 LIFT STATION
BUILDOUT CAPACITY: 5.60 MGD

F.M. 3097 NO. 1 LIFT STATION
BUILDOUT CAPACITY: 4.25 MGD

NTMWD BUFFALO CREEK WASTEWATER TREATMENT PLANT
EXISTING CAPACITY: 2.25 MGD

NTMWD TURTLE COVE LIFT STATION
BUILDOUT CAPACITY: 5.28 MGD

LAKEVILLE LIFT STATION

OLD KROGER I.H. 30 LIFT STATION

SIGNAL RIDGE LIFT STATION

CHANDLER'S DEEP LIFT STATION

CHANDLERS MARINA LIFT STATION

NTMWD BUFFALO CREEK INTERCEPTOR

MIMS ROAD LIFT STATION

TO NTMWD MESQUITE REGIONAL WWTP

WWTP DIVIDE TO BE REMOVED UPON DECOMMISSIONING OF SQUABBLE CREEK WWTP

AMITY LIFT STATION

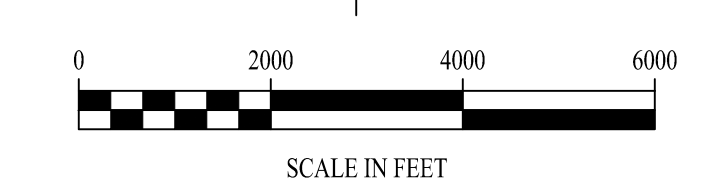
TIMBER CREEK LIFT STATION

LOFLAND FARMS LIFT STATION

FONTANA RANCH LIFT STATION

SOMERSET PARK LIFT STATION

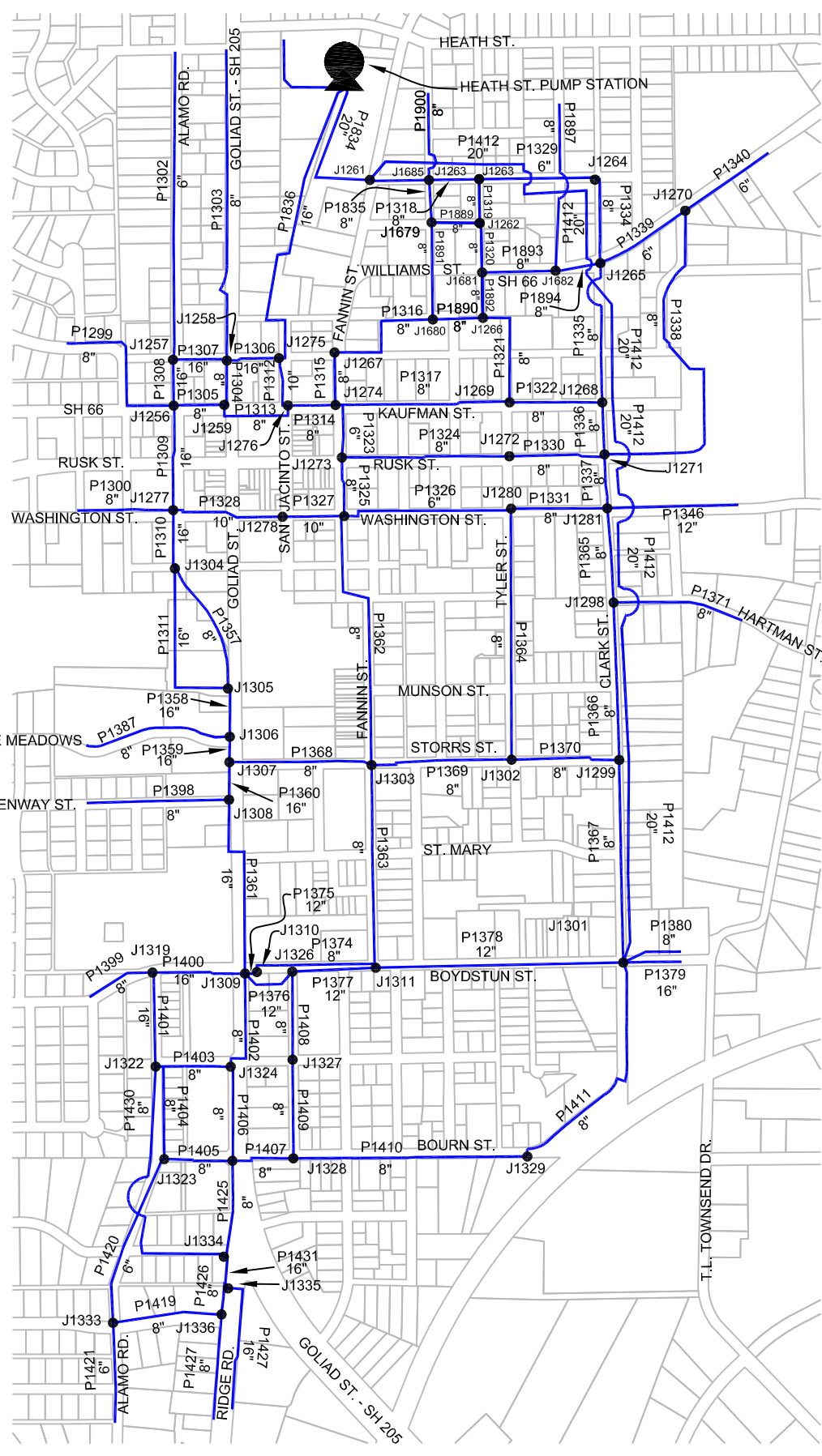
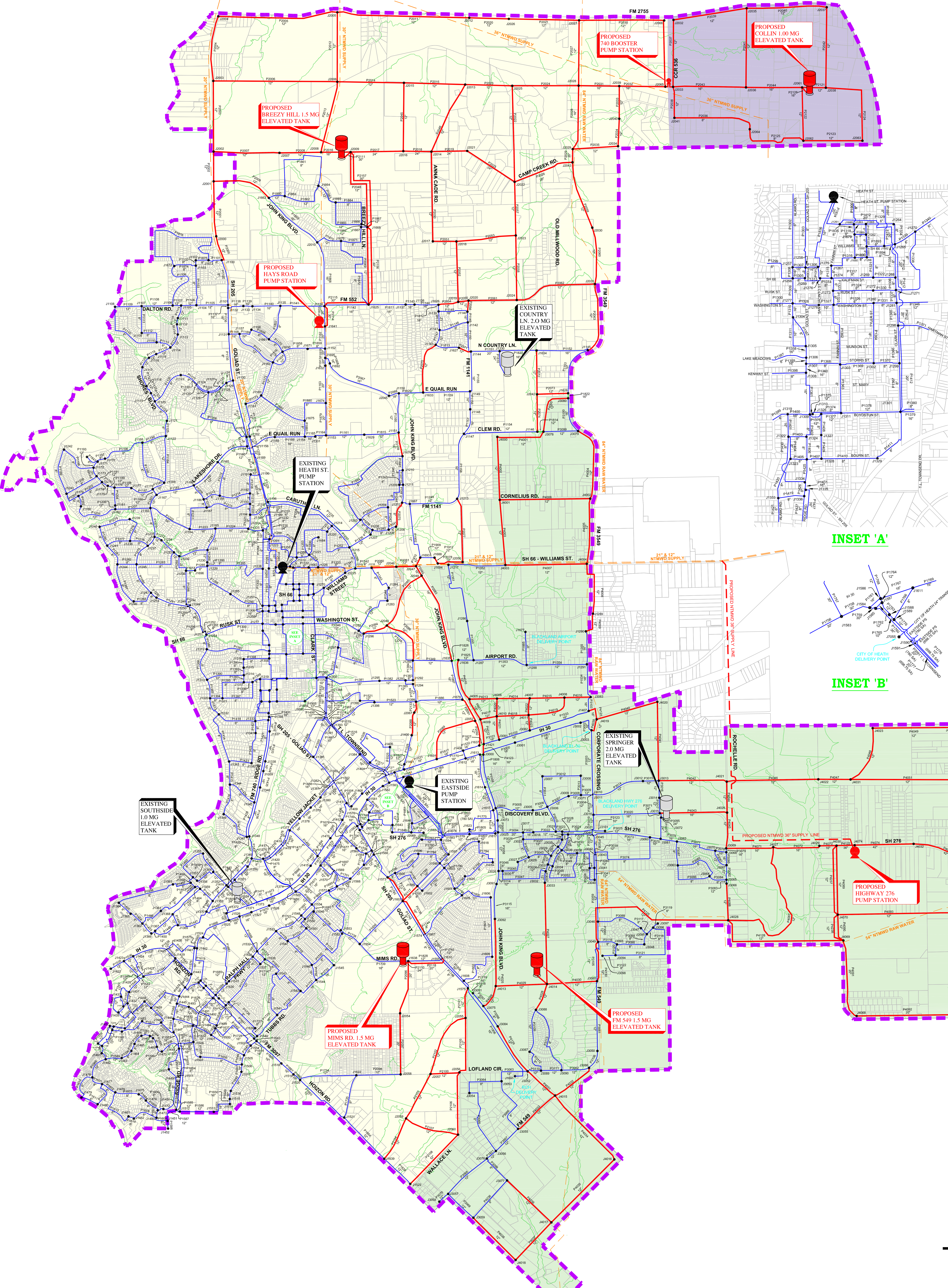
HICKORY RIDGE LIFT STATION



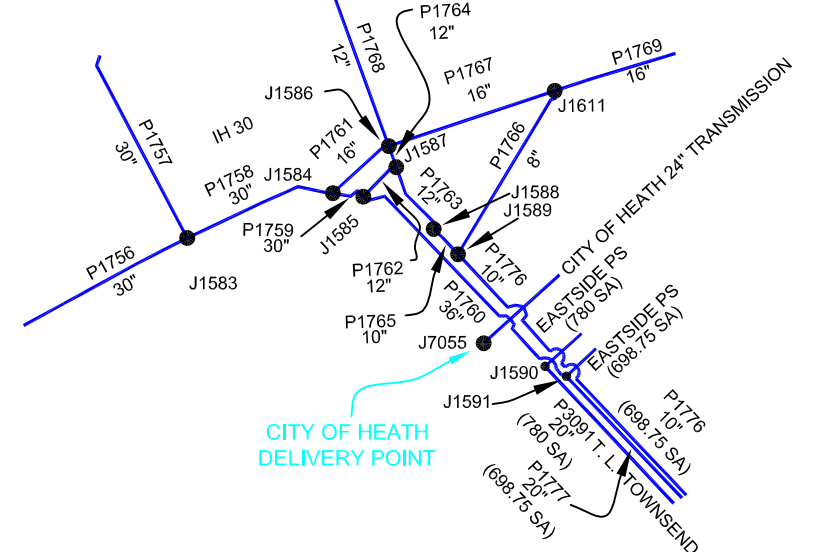


CITY OF ROCKWALL, TEXAS WATER DISTRIBUTION SYSTEM MASTER PLAN

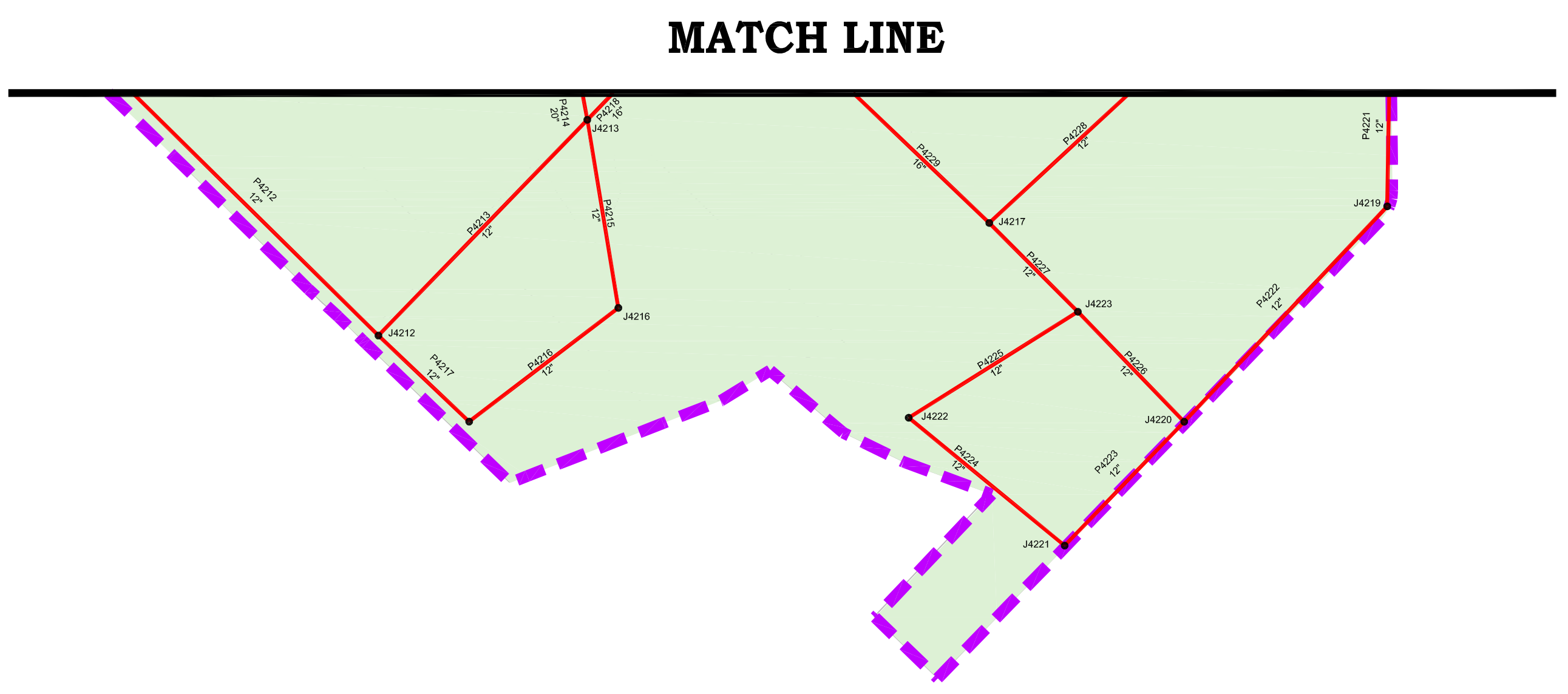
BIRKHOFF, HENDRICKS & CARTER, L.L.P.
PROFESSIONAL ENGINEERS
Dallas, Texas
Phone: 972.962.2000
FAX: 972.962.2001
OCTOBER 2019



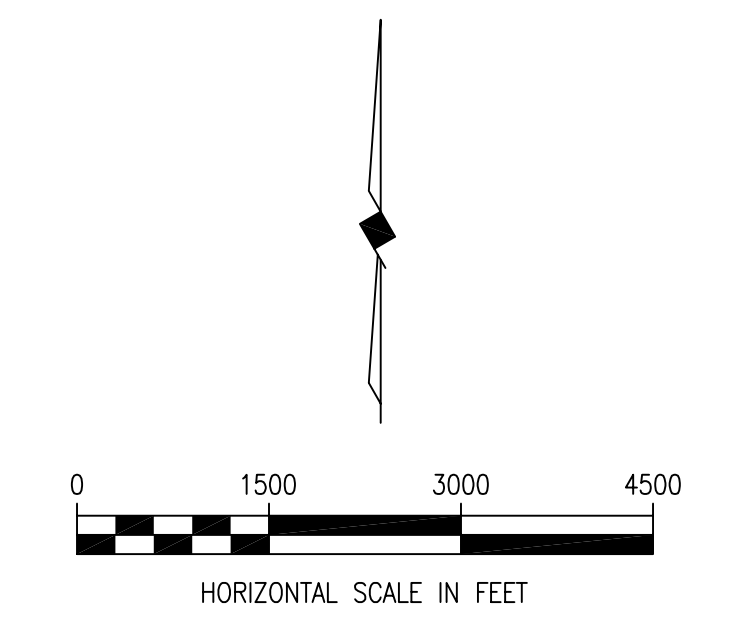
INSET 'A'



INSET 'B'

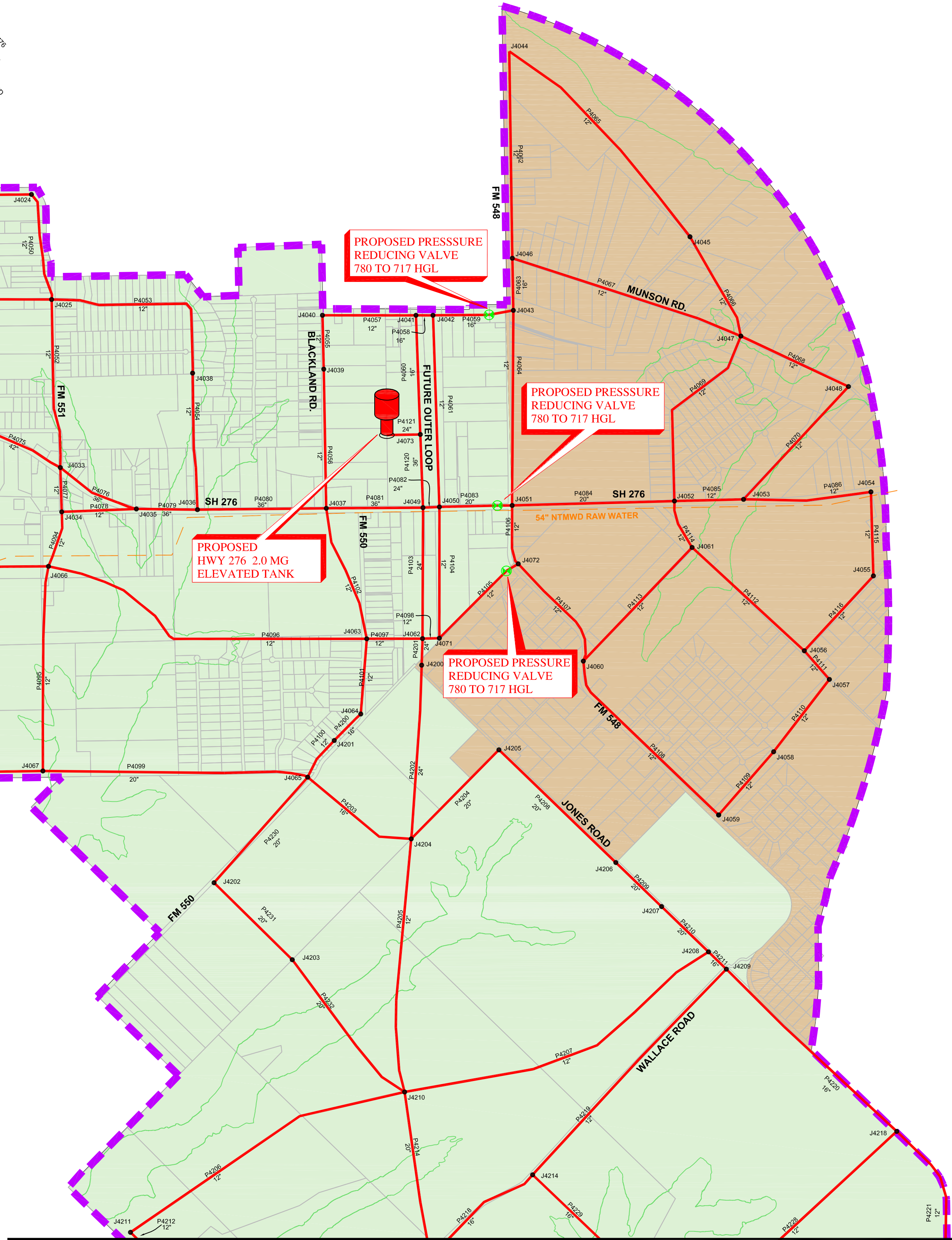


MATCH LINE



LEGEND

- FLOODPLAIN BOUNDARY
- JUNCTION NODE & NO. J7001
- 2019 EXISTING WATER LINE NO. & SIZE P1328 16"
- EXISTING WATER LINE NO. & SIZE (CLOSED IN MODEL FOR BUILDOUT PRESSURE DIVIDES) P1343 12"
- EXISTING WATER LINE NO. & SIZE (TO BE ABANDONED IN FUTURE) P5297 16"
- BUILDOUT PROPOSED WATER LINE NO. & SIZE P4023 36"
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- 717 SERVICE AREA BOUNDARY (AT BUILDOUT)
- 740 SERVICE AREA BOUNDARY (AT BUILDOUT)
- 780 SERVICE AREA BOUNDARY (AT BUILDOUT)



MATCH LINE

CITY OF ROCKWALL

ORDINANCE NO. 19-XX

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF ROCKWALL, TEXAS, ADOPTING REVISIONS TO THE MASTER WATER PLAN AND THE MASTER WASTEWATER PLAN CONTAINED IN THE OURHOMETOWN VISION 2040 COMPREHENSIVE PLAN IN ACCORDANCE WITH THE CITY'S HOME RULE CHARTER.

WHEREAS, the *Home Rule Charter* of the City of Rockwall, Texas, states that the Comprehensive Plan will contain recommendations for the growth, development and beautification of the City and its Extraterritorial Jurisdiction (ETJ); and

WHEREAS, the City Council of the City of Rockwall has previously authorized a study to update the Comprehensive Plan, also referred to as the Master Plan; and

WHEREAS, the citizens of the City of Rockwall were involved in the development of the Comprehensive Plan through participation in a citizen action committee (*i.e. the Comprehensive Plan Advisory Committee [CPAC]*) and public meetings; and

WHEREAS, the OURHometown Vision 2040 Comprehensive Plan was adopted by the City Council of the City of Rockwall on December 3, 2019 by *Ordinance No. 18-43*; and

WHEREAS, the Comprehensive Plan shall serve as a guide to all future City Council action concerning land use and development regulations, and expenditures for capital improvements; and

WHEREAS, the Water/Wastewater Master Plans are updated on a five (5) year basis and the City Council of the City of Rockwall authorized Brickoff, Hendricks & Cater, LLP to perform the update; and

WHEREAS, Section 213.003, *Adoption or Amendment of Comprehensive Plan*, of Chapter 213, *Municipal Comprehensive Plans*, of the *Texas Local Government Code* states that the adoption of or amendment to a Comprehensive Plan requires a hearing at which the public is given the opportunity to give testimony and present written evidence, and as required by the *Home Rule Charter of the City of Rockwall* a public hearing has been held on the proposed revisions to the Comprehensive Plan, and the governing body -- *in the exercise of its legislative discretion* -- has concluded that the Comprehensive Plan should be amended as follows:

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

Section 1. That the Master Water Plan and Master Wastewater Plan contained within *Appendix 'C'* of the OURHometown Vision 2040 Comprehensive Plan be amended as depicted in *Exhibit 'A'* of this ordinance; and

Section 2. The Comprehensive Plan shall be used by City Staff in planning and as a guide for future development of the City of Rockwall; and,

Section 3. This ordinance shall take effect immediately from and after its passage.

PASSED AND APPROVED BY THE CITY COUNCIL OF THE CITY OF ROCKWALL, TEXAS, THIS THE 2ND DAY OF DECEMBER, 2019.

Jim Pruitt, Mayor

ATTEST:

Kristy Cole, City Secretary

APPROVED AS TO FORM:

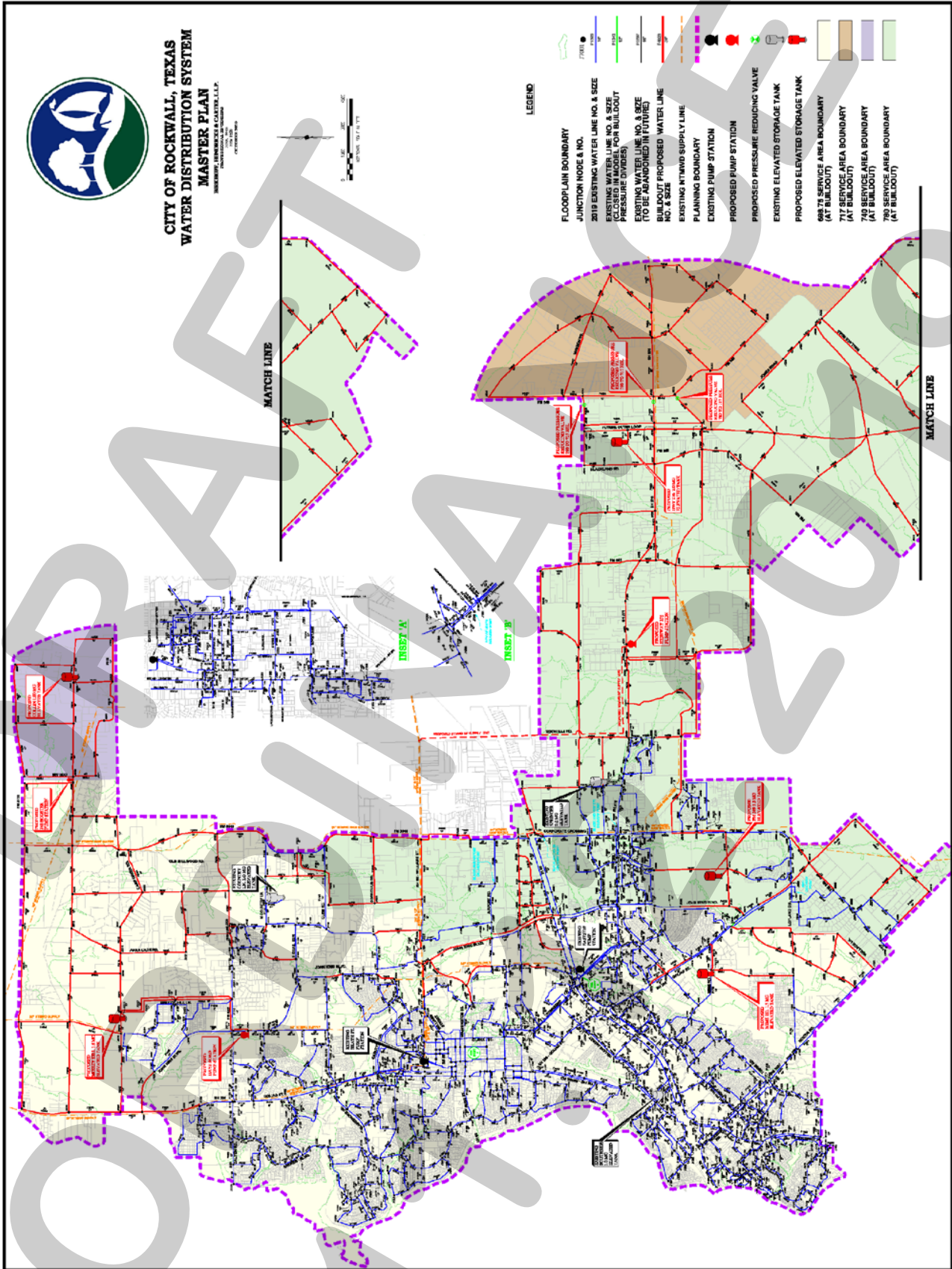
Frank J. Garza, City Attorney

1st Reading: November 18, 2019

2nd Reading: December 2, 2019

DRAFT
ORDINANCE
17.12.2019

Exhibit 'A'
Master Water Plan





CITY OF ROCKWALL
CITY COUNCIL MEMORANDUM

PLANNING AND ZONING DEPARTMENT
385 S. GOLIAD STREET • ROCKWALL, TX 75087
PHONE: (972) 771-7745 • EMAIL: PLANNING@ROCKWALL.COM

TO: Mayor and City Council
CC: Rick Crowley, *City Manager*
Mary Smith, *Assistant City Manager*
Joey Boyd, *Assistant City Manager*
FROM: Ryan Miller, *Director of Planning and Zoning*
DATE: November 18, 2019
SUBJECT: MIS2019-014; *Master Water/Wastewater Plan Update*

Recently, the City's consultant -- *Birkhoff, Hendricks & Carter LLP* -- finished revising the water and wastewater master plans. These plans were incorporated into the OURHometown Vision 2040 Comprehensive Plan on December 3, 2018 by *Ordinance No. 18-48*. As a result of their incorporation, staff is bringing forward an amendment to the Comprehensive Plan to incorporate the revisions identified by the City's consultants. According to Section 213.003 of the Texas Local Government Code, "(a) comprehensive plan may be adopted or amended by ordinance following:

- (1) A hearing at which the public is given the opportunity to give testimony and present written evidence; and
- (2) Review by the municipality's planning commission or department, if one exists."

Additionally, Section 9.03 of the City's Home Rule Charter states that "(r)ecommended changes to the Master Plan shall be submitted to the City Manager after the Planning and Zoning Commission holds at least one public hearing on the proposed change." Furthermore, Section 9.04 states that the "City Manager shall submit the proposed changes to the Council, together with any recommendations. The Council, after a public hearing, shall adopt or reject such proposed revision or any part thereof as submitted within sixty (60) days following its submission by the City Manager. If the proposed revision or part thereof should be rejected by the Council, the Planning and Zoning Commission may make modifications and again forward it to the City Manager for submission to the Council."

The meeting dates for this case are as follows:

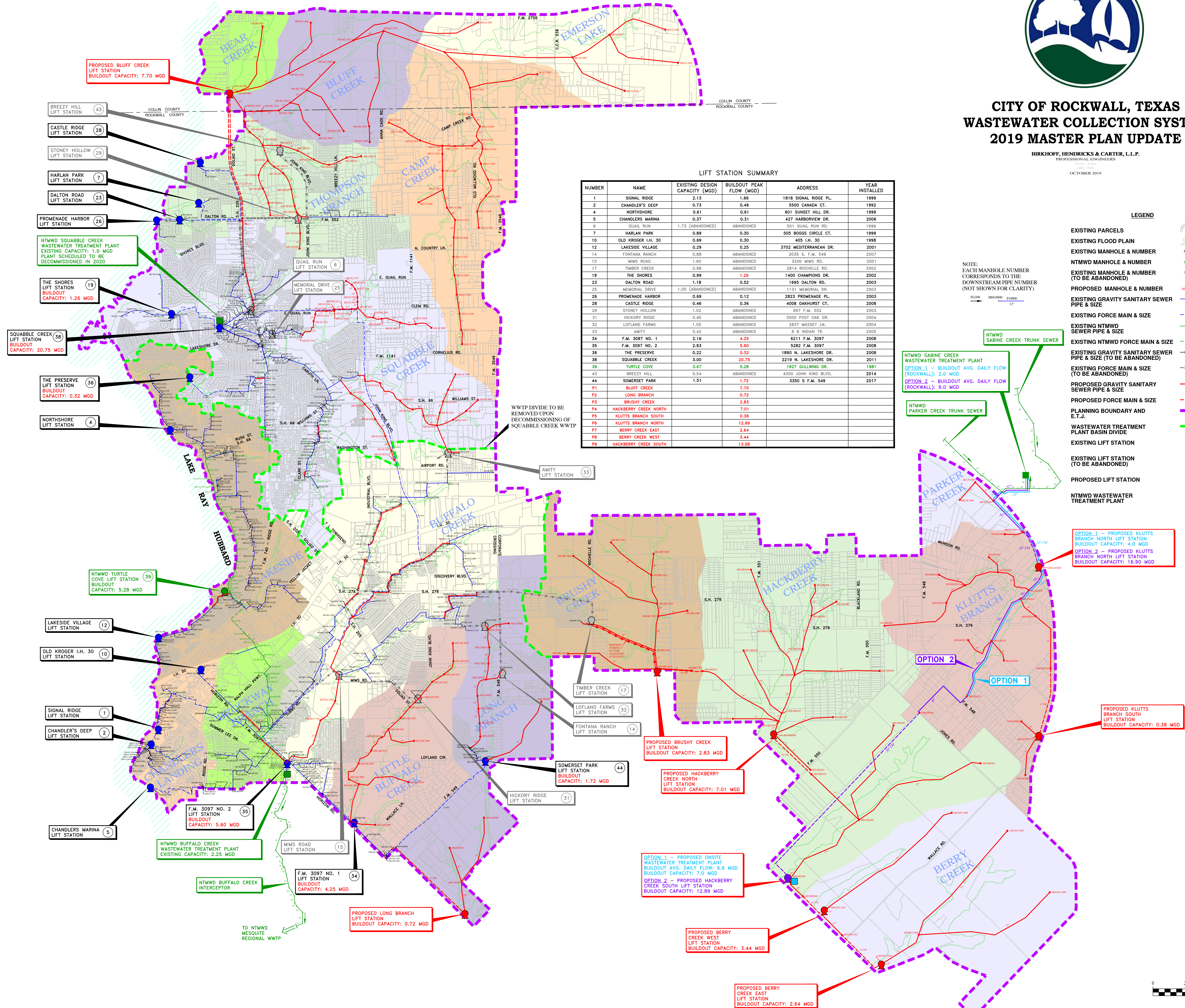
~~Planning and Zoning Commission Work Session: October 29, 2019~~
~~Planning and Zoning Commission Public Hearing: November 12, 2019~~
City Council Public Hearing/1st Reading: November 18, 2019
City Council 2nd Reading: December 2, 2019.

On November 12, 2019, the Planning and Zoning Commission held a public hearing and approved a motion to recommend approval of the amendment by a vote of 5-0, with Commissioners Fishman and Welch absent. Should the City Council have any question concerning the amendment, staff will be available at the November 18, 2019 work session meeting.



CITY OF ROCKWALL, TEXAS WASTEWATER COLLECTION SYSTEM 2019 MASTER PLAN UPDATE

BIRKHOFF, HENDRICKS & CARTER, L.L.P.
PROFESSIONAL ENGINEERS
OCTOBER 2019



LIFT STATION SUMMARY

NUMBER	NAME	EXISTING DESIGN CAPACITY (MGD)	BUILDOUT PEAK FLOW (MGD)	ADDRESS	YEAR INSTALLED
1	SIGNAL RIDGE	2.13	1.66	1816 SIGNAL RIDGE PL.	1999
2	CHANDLER'S DEEP	0.75	0.49	5500 CANADA CT.	1992
4	NORTHSHORE	0.61	0.61	801 SUNSET HILL DR.	1999
5	CHANDLERS MARINA	0.37	0.31	427 HARBORVIEW DR.	2006
6	QUAIL RUN	1.73 (ABANDONED)	ABANDONED	501 QUAIL RUN RD.	1996
7	HARLAN PARK	0.89	0.30	505 BOGGS CIRCLE CT.	1999
10	OLD KROGER I.H. 30	0.69	0.36	405 I.H. 30	1998
12	LAKEVILLE VILLAGE	0.29	0.25	3702 MEDITERRANEAN DR.	2001
14	FONTANA RANCH	0.88	ABANDONED	2035 S. F.M. 549	2007
15	MIMS ROAD	1.60	ABANDONED	3200 MIMS RD.	2001
17	TIMBER CREEK	0.98	ABANDONED	2814 ROCHELLE RD.	2002
19	THE SHORES	0.99	1.28	1400 CHAMPIONS DR.	2002
23	DALTON ROAD	1.18	0.52	1695 DALTON RD.	2003
25	MEMORIAL DRIVE	1.05 (ABANDONED)	ABANDONED	1131 MEMORIAL DR.	2003
26	PROMENADE HARBOR	0.69	0.12	2823 PROMENADE PL.	2003
28	CASTLE RIDGE	0.46	0.36	4008 OAKHURST CT.	2008
29	STONEY HOLLOW	1.02	ABANDONED	597 F.M. 552	2003
31	HICKORY RIDGE	0.40	ABANDONED	3500 POST OAK DR.	2004
32	LOFLAND FARMS	1.05	ABANDONED	2837 MASSEY LN.	2004
33	AMITY	0.42	ABANDONED	8 B INDIAN TR.	2005
34	F.M. 3097 NO. 1	2.16	4.25	6211 F.M. 3097	2008
35	F.M. 3097 NO. 2	2.93	5.60	5282 F.M. 3097	2008
36	THE PRESERVE	0.32	0.32	1800 N. LAKESHORE DR.	2008
38	SQUABBLE CREEK	3.00	20.75	2219 N. LAKESHORE DR.	2011
39	TURTLE COVE	3.67	3.28	1927 GULLWING DR.	1981
43	BREEZY HILL	0.54	ABANDONED	4300 JOHN KING BLVD.	2014
44	SOMERSET PARK	1.51	1.72	3350 S.F.M. 549	2017
P1	BLUFF CREEK		7.70		
P2	LONG BRANCH		0.72		
P3	BRUSHY CREEK		2.83		
P4	HACKBERRY CREEK NORTH		7.01		
P5	KLUTTS BRANCH SOUTH		0.38		
P6	KLUTTS BRANCH NORTH		12.69		
P7	BERRY CREEK EAST		2.44		
P8	BERRY CREEK WEST		3.44		
P9	HACKBERRY CREEK SOUTH		13.58		

- LEGEND**
- EXISTING PARCELS
 - EXISTING FLOOD PLAIN
 - EXISTING MANHOLE & NUMBER
 - NTMWD MANHOLE & NUMBER
 - EXISTING MANHOLE & NUMBER (TO BE ABANDONED)
 - PROPOSED MANHOLE & NUMBER
 - EXISTING GRAVITY SANITARY SEWER PIPE & SIZE
 - EXISTING FORCE MAIN & SIZE
 - EXISTING NTMWD SEWER PIPE & SIZE
 - EXISTING NTMWD FORCE MAIN & SIZE
 - EXISTING GRAVITY SANITARY SEWER PIPE & SIZE (TO BE ABANDONED)
 - EXISTING FORCE MAIN & SIZE (TO BE ABANDONED)
 - PROPOSED GRAVITY SANITARY SEWER PIPE & SIZE
 - PROPOSED FORCE MAIN & SIZE
 - PLANNING BOUNDARY AND E.T.J.
 - WASTEWATER TREATMENT PLANT BASIN DIVIDE
 - EXISTING LIFT STATION
 - EXISTING LIFT STATION (TO BE ABANDONED)
 - PROPOSED LIFT STATION
 - NTMWD WASTEWATER TREATMENT PLANT

NOTE: EACH MANHOLE NUMBER CORRESPONDS TO THE DOWNSTREAM PIPE NUMBER (NOT SHOWN FOR CLARITY)

NTMWD SABINE CREEK TRUNK SEWER
NTMWD SABINE CREEK WASTEWATER TREATMENT PLANT
OPTION 1 - BUILDOUT AVG. DAILY FLOW (ROCKWALL): 2.0 MGD
OPTION 2 - BUILDOUT AVG. DAILY FLOW (ROCKWALL): 9.0 MGD
NTMWD PARKER CREEK TRUNK SEWER

OPTION 1 - PROPOSED KLUTTS BRANCH NORTH LIFT STATION
BUILDOUT CAPACITY: 4.0 MGD
OPTION 2 - PROPOSED KLUTTS BRANCH NORTH LIFT STATION
BUILDOUT CAPACITY: 16.30 MGD

PROPOSED KLUTTS BRANCH SOUTH LIFT STATION
BUILDOUT CAPACITY: 0.38 MGD

PROPOSED BRUSHY CREEK LIFT STATION
BUILDOUT CAPACITY: 2.83 MGD

PROPOSED HACKBERRY CREEK NORTH LIFT STATION
BUILDOUT CAPACITY: 7.01 MGD

OPTION 1 - PROPOSED ONSITE WASTEWATER TREATMENT PLANT
BUILDOUT AVG. DAILY FLOW: 6.6 MGD
BUILDOUT CAPACITY: 7.0 MGD
OPTION 2 - PROPOSED HACKBERRY CREEK SOUTH LIFT STATION
BUILDOUT CAPACITY: 12.69 MGD

PROPOSED BERRY CREEK WEST LIFT STATION
BUILDOUT CAPACITY: 3.44 MGD

PROPOSED BERRY CREEK EAST LIFT STATION
BUILDOUT CAPACITY: 2.64 MGD

PROPOSED LONG BRANCH LIFT STATION
BUILDOUT CAPACITY: 0.72 MGD

F.M. 3097 NO. 2 LIFT STATION
BUILDOUT CAPACITY: 5.60 MGD

F.M. 3097 NO. 1 LIFT STATION
BUILDOUT CAPACITY: 4.25 MGD

NTMWD TURTLE COVE LIFT STATION
BUILDOUT CAPACITY: 5.28 MGD

LAKEVILLE VILLAGE LIFT STATION

OLD KROGER I.H. 30 LIFT STATION

SIGNAL RIDGE LIFT STATION

CHANDLER'S DEEP LIFT STATION

CHANDLERS MARINA LIFT STATION

NTMWD BUFFALO CREEK WASTEWATER TREATMENT PLANT
EXISTING CAPACITY: 2.25 MGD

NTMWD BUFFALO CREEK INTERCEPTOR

MIMS ROAD LIFT STATION

TO NTMWD MESQUITE REGIONAL WWTP

WWTP DIVIDE TO BE REMOVED UPON DECOMMISSIONING OF SQUABBLE CREEK WWTP

AMITY LIFT STATION

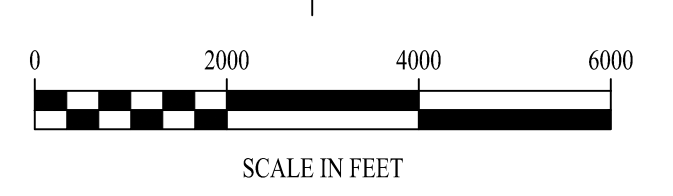
TIMBER CREEK LIFT STATION

LOFLAND FARMS LIFT STATION

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SOMERSET PARK LIFT STATION

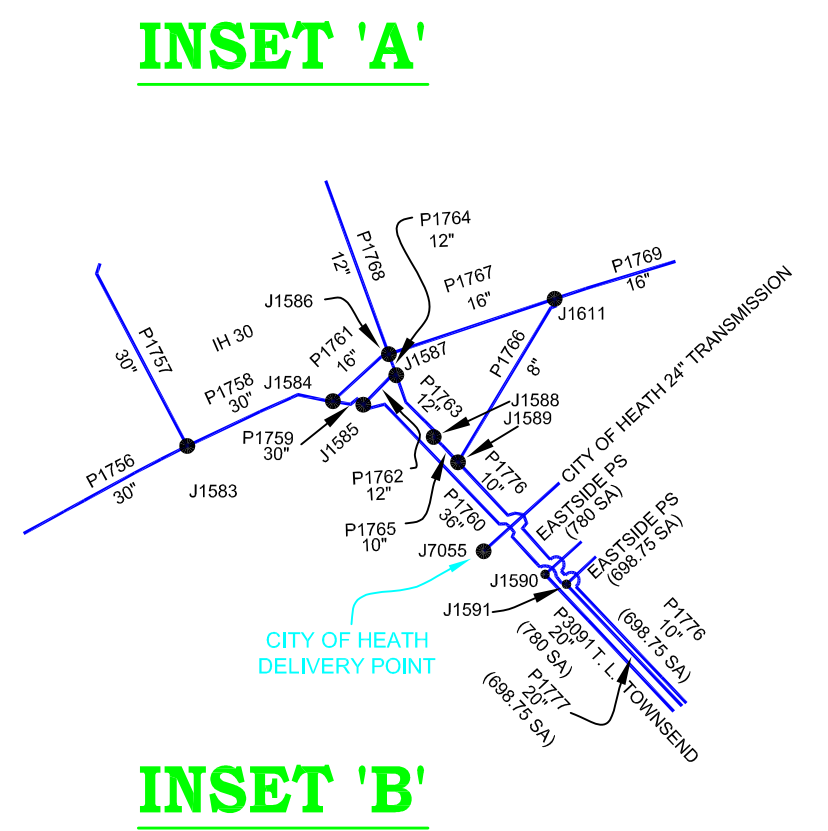
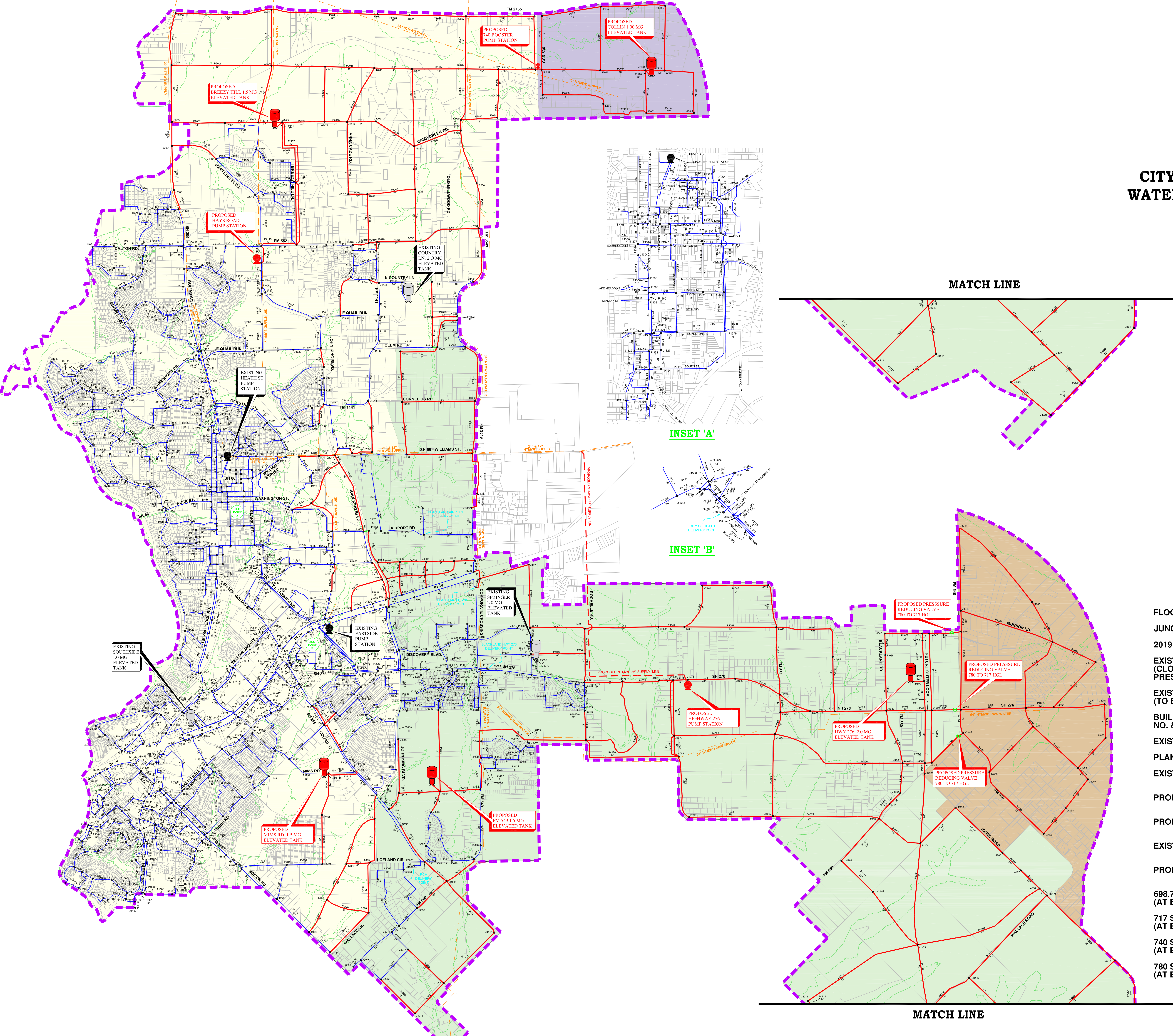
HICKORY RIDGE LIFT STATION



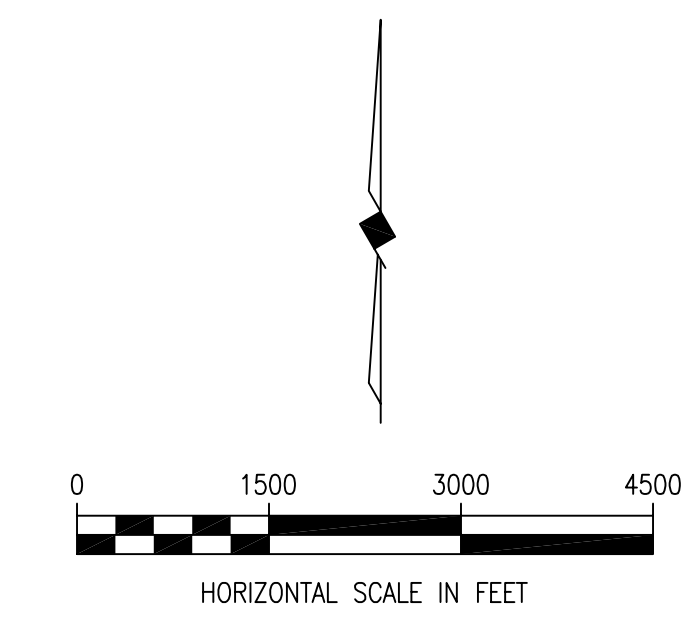


CITY OF ROCKWALL, TEXAS WATER DISTRIBUTION SYSTEM MASTER PLAN

BIRKHOFF, HENDRICKS & CARTER, L.L.P.
PROFESSIONAL ENGINEERS
Dallas, Texas
Phone: 972.962.2000
FAX: 972.962.2001
OCTOBER 2019



MATCH LINE



LEGEND

- FLOODPLAIN BOUNDARY
- JUNCTION NODE & NO. J7001
- 2019 EXISTING WATER LINE NO. & SIZE P1328 16"
- EXISTING WATER LINE NO. & SIZE (CLOSED IN MODEL FOR BUILDOUT PRESSURE DIVIDES) P1343 12"
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- PROPOSED PUMP STATION
- PROPOSED PRESSURE REDUCING VALVE
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- PROPOSED ELEVATED STORAGE TANK
- 698.75 SERVICE AREA BOUNDARY (AT BUILDOUT)
- 717 SERVICE AREA BOUNDARY (AT BUILDOUT)
- 740 SERVICE AREA BOUNDARY (AT BUILDOUT)
- 780 SERVICE AREA BOUNDARY (AT BUILDOUT)

MATCH LINE

CITY OF ROCKWALL

ORDINANCE NO. 19-XX

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Jim Pruitt, Mayor

ATTEST:

Kristy Cole, City Secretary

APPROVED AS TO FORM:

Frank J. Garza, City Attorney

1st Reading: November 18, 2019

2nd Reading: December 2, 2019

Exhibit 'A'
Master Water Plan

