WATER DISTRIBUTION SYSTEM MASTER PLAN

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FIRM F526

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McKINNEY TEXAS
Unique by nature.SM

INSET 'A'

INSET 'B'

INSET 'C'

INSET 'D'

INSET 'E'

INSET 'F'

INSET 'G'

INSET 'I'

INSET 'H'

PROPOSED STONEBRIDGE 2.5 MG ELEVATED TANK

ALTERNATE 930 SA ELEVATED TANK SITE

ALTERNATE 920 SA ELEVATED TANK SITE

PROPOSED LAKE FOREST 3 MG ELEVATED TANK

2017-PROPOSED TWENTY 3 MG ELEVATED TANK

PROPOSED HIGHLAND 2 MG ELEVATED TANK

PROPOSED ERWIN PARK 2 MG ELEVATED TANK

PROPOSED RIDGE ROAD 2 MG ELEVATED TANK

UNIVERSITY PUMP STATION
PUMPING CAPACITY:
EXISTING CAPACITY - 50 MGD
BUILDOUT CAPACITY - 120 MGD
GROUND STORAGE:
EXISTING CAPACITY - 16 MG
BUILDOUT CAPACITY - 36 MG
EMERGENCY GENERATION:
EXISTING 1- 2,250 KW GEN. SET
BUILDOUT 2-2,250 KW GEN. SETS

EXISTING WILMETH 2 MG ELEVATED TANK

EXISTING U.S. 380 1.5 MG ELEVATED TANK

PROP. BLOOMDALE PUMP STATION
PUMPING CAPACITY:
EXISTING CAPACITY - 0 MGD
BUILDOUT CAPACITY - 90 MGD
GROUND STORAGE:
EXISTING CAPACITY - 0 MG
BUILDOUT CAPACITY - 36 MG
EMERGENCY GENERATION:
BUILDOUT 2-2,250 KW GEN. SETS

2014 -PROPOSED 850/794 PRESSURE REDUCING VALVE (2024)

0.50 MGD CONTRACTUAL TO CITY OF MELISSA (1 MGD MAX DESIGN FLOW)

PROPOSED 840 SERVICE AREA 5-MGD BOOSTER PUMP STATION & PNEUMATIC TANK

PROPOSED MCKINNEY EAST 3 MG ELEVATED TANK

CITY OF NEW HOPE

PROPOSED BIG BRANCH 2 MG ELEVATED TANK

2015-PROPOSED HARDIN 2 MG ELEVATED TANK

EXISTING VIRGINIA 1.5 MG ELEVATED TANK

EXISTING INDEPENDENCE 3 MG ELEVATED TANK

EXISTING COMMUNITY 3 MG ELEVATED TANK

2016-PROPOSED STACY 3 MG ELEVATED TANK

McKINNEY RANCH PKWY. PUMP STATION
PUMPING CAPACITY:
EXIST. CAPACITY - 69.7 MGD
GROUND STORAGE:
EXIST. CAPACITY - 16 MG
EMERGENCY GENERATION:
EXISTING:
1-1,000 KW GENERATOR SET
1-2,000 KW GENERATOR SET

GERRISH PUMP STATION
PUMPING CAPACITY:
EXISTING CAP. - 10.8 MGD
BUILDOUT CAP. - 28.8 MGD
GROUND STORAGE:
EXISTING CAP. - 2 MG
BUILDOUT CAP. - 4 MG

EXISTING INDUSTRIAL 2 MG ELEVATED TANK

PROPOSED MCKINNEY EAST 3 MG ELEVATED TANK

LAKE LAVON

0 2000 4000 6000
HORIZONTAL SCALE IN FEET

NOTES:
1. UNLESS OTHERWISE SHOWN, 12-INCH WATER LINES ARE REQUIRED ALONG PROPOSED OR FUTURE COLLECTOR ROADWAYS.
2. ONLY 12-INCH OR LARGER CONNECTIONS ARE PERMITTED ON 24-INCH DIAMETER & LARGER TRANSMISSION MAINS. SMALLER DIAMETER CONNECTIONS LESS THAN 12-INCH DIAMETER SHALL BE MADE ON INTERNAL OR PARALLEL DEVELOPMENT LINES.

LEGEND

- EXISTING ROADS
- LAKES
- CREEKS
- JUNCTION NODE & NO. J1018
- JUNCTION NODE & NO. (CALIBRATION LOCATION) J5682
- 2007 EXISTING WATER LINE NO. & SIZE P1328 16"
- EXISTING WATER LINE NO. & SIZE (CLOSED IN MODEL FOR BUILDOUT PRESSURE DIVIDES) P5110 12"
- EXISTING WATER LINE NO. & SIZE (TO BE ABANDONED IN FUTURE) P1469 6"
- PROPOSED BUILDOUT WATER LINE NO. & SIZE P6113 30"
- PROPOSED IMPACT FEE ELIGIBLE WATER LINE NO. & SIZE (2012-2022) P4024 42"
- PLANNING BOUNDARY
- EXISTING PUMP STATION
- PROPOSED PUMP STATION
- PROPOSED PRESSURE REDUCING VALVE
- EXISTING ELEVATED STORAGE TANK
- PROPOSED ELEVATED STORAGE TANK
- 794 SERVICE AREA BOUNDARY (AT BUILDOUT)
- 840 SERVICE AREA BOUNDARY (AT BUILDOUT)
- 850 SERVICE AREA BOUNDARY (AT BUILDOUT)
- 920 SERVICE AREA BOUNDARY (AT BUILDOUT)
- AREAS REQUIRING PRESSURE REDUCING VALVES AT THE WATER SERVICE