



NORTH PRESSURE  
PLANE BOUNDARY

BARNES BRIDGE PUMP STATION  
INCREASE CAPACITY  
FROM 19,200 GPM (27.67 MGD)  
TO 37,000 GPM (53.30 MGD)  
CONSTRUCT NEW 5,000,000 GALLON  
GROUND STORAGE RESERVOIR

BIG TOWN  
ELEVATED TANK  
2,000,000 GALLONS

PROPOSED  
FORNEY ROAD  
ELEVATED TANK  
2,000,000 GALLONS

PEACHTREE  
ELEVATED TANK  
2,500,000 GALLONS

TOWN EAST  
ELEVATED TANK  
2,000,000 GALLONS

HAILEY PUMP STATION  
EXISTING FIRM CAPACITY  
29,670 GPM (42.72 MGD)  
CONSTRUCT NEW 5,000,000 GALLON  
GROUND STORAGE RESERVOIR

ROSABELLE PUMP STATION  
(DECOMMISSIONED)

NORTH PRESSURE  
PLANE BOUNDARY

EAST GLEN CONTROL  
VAULT LOCATION -  
CHECK VALVE + M.O. BUTTERFLY VALVE

BRUTON ROAD CONTROL  
VAULT LOCATION -  
CHECK VALVE + M.O. BUTTERFLY VALVE

SOUTH PRESSURE  
PLANE BOUNDARY

SOUTH PRESSURE  
PLANE BOUNDARY

EASTERN HEIGHTS CONTROL  
VAULT LOCATION -  
CHECK VALVE ONLY

SOUTHEAST PUMP STATION  
INCREASE CAPACITY FROM  
9,200 GPM (13.26 MGD) TO  
44,000 GPM (63.37 MGD)

PROPOSED  
McKENZIE  
ELEVATED TANK  
3,000,000 GALLONS

Color Coding Legend Node: Pressure (psi)	
Black	≤ 40.00
Blue	≤ 50.00
Cyan	≤ 65.00
Green	≤ 80.00
Yellow	≤ 90.00
Magenta	≤ 100.00
Red	≤ 110.00
Orange	≤ 120.00

  

Color Coding Legend Link: Diameter (in)	
Black	≤ 6.00
Blue	≤ 8.00
Cyan	≤ 10.00
Green	≤ 12.00
Yellow	≤ 16.00
Magenta	≤ 18.00
Red	≤ 20.00
Orange	≤ 42.00

— EXISTING WATER LINE  
— PROPOSED WATER LINE  
Ⓚ PROJECT NUMBER

NOTE: WATER LINE SIZES SHOWN ARE THE MINIMUM SIZE  
REQUIRED. ACTUAL LINE SIZES MAY BE INCREASED FOR  
CONSISTENCY.

# CITY OF MESQUITE ULTIMATE WATER SYSTEM PLAN

FIGURE 68