

**WATER NOTES**

24+78.41 - 27.51 TO 28+07.34 - 38.00L  
 INSTALL 8" - 8" WATER MAIN

**INSTALL NEW GROUND WATER**

**INSTALL NEW 8" SEWER LINE**

**RECONSTRUCT EXISTING 18" STORM MAIN**

**RECONSTRUCT EXISTING 18" STORM MAIN**

23+77.71	-	38.00R	(10')
23+78.66	-	42.31L	(10')
23+80.27	-	38.54R	(7'5")
23+81.88	-	41.18L	(10')
23+83.77	-	36.70R	(6'0")
23+85.55	-	42.02L	(10')
24+00.24	-	41.82L	(10')
24+00.28	-	38.00R	(8')
24+03.88	-	41.79L	(10')
24+07.41	-	34.85R	(7'5")
24+36.78	-	41.86L	(10')
24+46.86	-	34.85R	(8')
24+11.08	-	41.82L	(10')
24+23.04	-	34.78R	(7'5")
24+48.37	-	41.27L	(10')
24+54.46	-	34.77R	(7'5")

**SEWER NOTES**

24+71.24 - 0.00  
 INSTALL NEW 8" #

**INSTALL NEW 8" SEWER MAIN**

**RECONSTRUCT EXISTING 18" STORM MAIN**

**INSTALL NEW 18" STORM MAIN**

**RECONSTRUCT EXISTING 18" STORM MAIN**

23+17.64	-	27.76R	(10')
23+18.08	-	32.36R	(10')
23+42.83	-	43.32L	(10')
23+43.55	-	32.36R	(10')
23+41.50	-	42.18L	(10')
23+47.18	-	42.02L	(10')
23+48.61	-	38.00R	(10')
23+49.22	-	42.11R	(10')
24+04.41	-	38.00R	(10')
24+03.70	-	38.00R	(10')
24+07.10	-	38.00R	(10')
24+03.22	-	38.38L	(10')
24+03.08	-	41.77R	(10')
24+23.20	-	30.11L	(10')
24+27.78	-	38.40R	(10')
24+28.26	-	41.42L	(10')
24+44.63	-	41.46R	(10')

**SEWER NOTES**

24+71.24 - 0.00  
 INSTALL NEW 8" #

**INSTALL NEW 8" SEWER MAIN**

**RECONSTRUCT EXISTING 18" STORM MAIN**

**INSTALL NEW 18" STORM MAIN**

**RECONSTRUCT EXISTING 18" STORM MAIN**

23+17.64	-	27.76R	(10')
23+18.08	-	32.36R	(10')
23+42.83	-	43.32L	(10')
23+43.55	-	32.36R	(10')
23+41.50	-	42.18L	(10')
23+47.18	-	42.02L	(10')
23+48.61	-	38.00R	(10')
23+49.22	-	42.11R	(10')
24+04.41	-	38.00R	(10')
24+03.70	-	38.00R	(10')
24+07.10	-	38.00R	(10')
24+03.22	-	38.38L	(10')
24+03.08	-	41.77R	(10')
24+23.20	-	30.11L	(10')
24+27.78	-	38.40R	(10')
24+28.26	-	41.42L	(10')
24+44.63	-	41.46R	(10')

Project No. 07-000000-0000

City of Robbinssdale

**F M G, Inc.**

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 Rapid City, SD 57702-0317  
 (605) 345-1100 FAX (605) 342-8822  
 www.fmginc.com

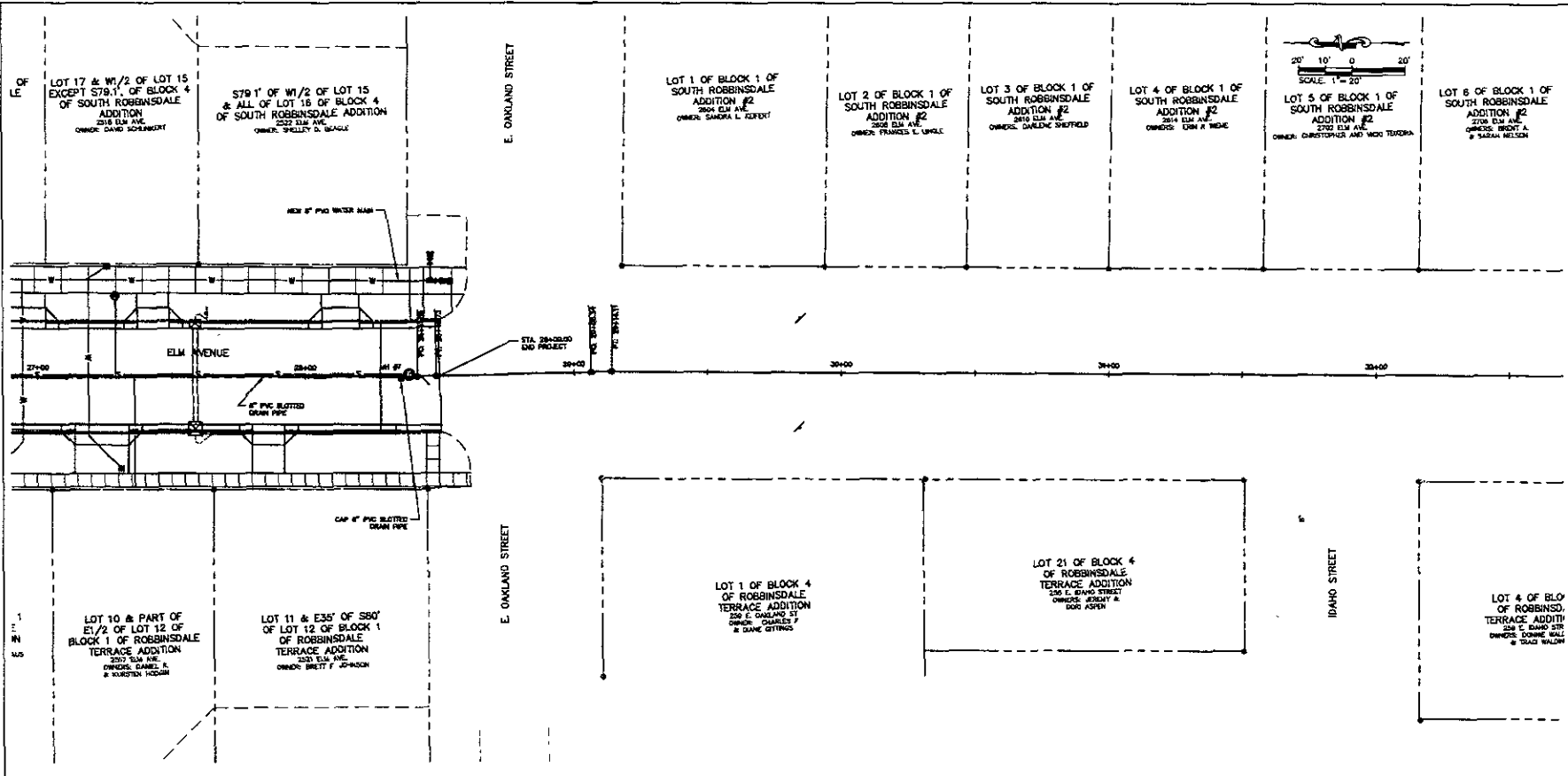
NOT FOR CONSTRUCTION

Scale: 1"=20'

Drawn By: JMK/RS  
 Group Date: MAY 2009  
 Checked By: RAS  
 Date: MAY 2009  
 Utility Date: 1/2/20

ELM AVENUE RECONSTRUCTION - PHASE 3  
 E TALLENT STREET TO E OAKLAND STREET

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 Boise, Idaho 83717  
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 www.fmgengineers.com



**NOT FOR CONSTRUCTION**

Scale: 1"=20'  
 Prepared By: F.M.G.  
 Drawn By: JRM/SL  
 Check Date: May 2000  
 Issue Date: May 2000  
 Internal Job No.: 00-8876.08  
 Approved By: Survey Date: 10/20  
 E.M.C.

ELM AVENUE RECONSTRUCTION - PHASE 3  
 E. TALLENT STREET TO E. OAKLAND STREET

UTILITY PLAN

**WATER NOTES**

- 28+47.24 - 35.871, INSTALL 8" 720' TEE
- 28+47.24 - 45.871, INSTALL FIRE HYDRANT WITH AIR/VALVE BOX AND LEAD FOLLOWING THROST BLOCK
- 28+47.24 - 35.831, TO 28+50.00 - 35.741, INSTALL 3" - 4" PVC WATER MAIN
- 28+50.50 - 35.831, INSTALL 8" GATE VALVE AND BOX
- 28+53.00 - 35.741, PLUS 8" PVC WATER MAIN
- 28+50.86 - 35.341, TO 28+52.86 - 35.341, INSTALL 2" - 3" PVC WATER MAIN
- 28+52.86 - 35.771, INSTALL 8" 720' REDUCER
- 28+52.86 - 35.741, TO 28+50.00 - 35.771, INSTALL 3" - 4" PVC WATER MAIN
- 28+52.04 - 35.771, INSTALL 8" 720' TEE AND CONNECT TO EXISTING WATER MAIN
- INSTALL NEW CURB STEP
- INSTALL NEW 1" SERVICE LINE
- INSTALL NEW 1" SERVICE LINE
- 27+55.83 - 41.871 (47)
- 27+31.01 - 31.441 (47)

**SEWER NOTES**

- 28+38.83 - 0.841, INSTALL NEW 8" 87
- 28+42.17 - 0.841, INSTALL 8" PVC 87E
- 28+46.89 - 3.117, EXCAVATE EXISTING SEWER MAIN
- INSTALL NEW 8" 4" 87E
- CONNECT 87E TO EXISTING SEWER MAIN
- INSTALL NEW 4" 87E SERVICE LINE
- INSTALL NEW 4" 87E SERVICE LINE
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- INSTALL NEW 4" 87E SERVICE LINE
- 27+28.73 - 32.391 (30) METAL CLEANOUT
- 27+38.08 - 41.317 (47)