@ Murdock, Sta. 51+16.86, 40.80' Lt.=
WL 1, Sta. 0+00.00
Existing 8" Water Main*
1- 8" x 6" Tapping Sleeve
1- 6" Tapping Valve
1- 6" Valve Box
(To be furnished and set by City of Wichita Water Dept.)
Top Valve Box El.= 1301.3

CAUTION!!!
2" Stl. Gas Main (KGS)

@ Murdock, Sta. 50+97.86, 40.74' Lt.=
WL 1, Sta. 0+19.00
1- Remove and relocate Fire Hydrant Assembly
FH Bury Line El.= 1301.6

CAUTION!!!
10" Gas Main (Aquila)

@ 13th St., Sta. 49+58.13, 47.96' Lt.=
WL 2, Sta. 0+04.50
1- 8" CI CL MJ 90° Bend
Defl.= 89° 57' 44"

@ 13th St., Sta. 49+58.15, 12.46' Lt.=
WL 2, Sta. 0+40.00
1- 8" CI CL MJ 11 1/4° Bend (Vert.)
Defl.= 11° 16' 24"

@ 13th St., Sta. 49+58.16, 3.43' Lt.=
WL 2, Sta. 0+49.03
1- 8" CI CL MJ 90° Bend (Rotated down)
Defl.= 90° 00' 00"
Vert. Defl.= 11° 09' 35"

@ 13th St., Sta. 51+26.38, 3.51' Lt.=
WL 2, Sta. 2+17.25
1- 8" x 8" CI CL MJ Tee
1- 8" Valve Assembly (S) (MJ Gate Valve)
Top Valve Box El.= 1304.3
1- 8" CI CL PE x MJ 22 1/2° Bend (Vert.)
Install 38.95 L.F. WL Pipe 8" (S)
1- 8" x 6" CI CL MJ x PE Reducer
1- Fire Hydrant
FH Bury Line El.= 1304.3

@ 13th St., Sta. 51+33.38, 3.52' Lt.=
WL 2, Sta. 2+24.25
1- 2" Service Outlet Assembly (N)
See detail, sheet no. S10.1
Connect to existing 2" waterline.
All pipe, fittings, adaptors, and appurtenances shall be subsidiary to 2" connection.

@ 13th St., Sta. 51+67.38, 3.53' Lt.=
WL 2, Sta. 2+58.25
1- 8" x 4" CI CL MJ Tee
1- 4" Valve Assembly (N) (MJ Gate Valve)
Top Valve Box El.= 1304.2
Install 24.60 L.F. WL Pipe 4" (N)
Connect to existing 4" waterline.
All fittings, adaptors, and appurtenances shall be subsidiary to the Price Bid for Pipe.

@ 13th St., Sta. 51+80.77, 3.54' Lt.=
WL 2, Sta. 2+71.64
1- 8" x 6" CI CL MJ Tee
1- 8" Valve Assembly (W) (MJ Gate Valve)
Top Valve Box El.= 1304.1
1- 6" Anchored Valve Assembly (N) (MJ Gate Valve)
Top Valve Box El.= 1304.1
Install 3.82 L.F. WL Pipe 6" (N)
Existing 6" Water Main**
Cut in 1- 6" CI CL MJ 90° Bend on Existing 6" Waterline. All Fittings, Adaptors, & other Incidentals necessary to perform tie-in should be considered subsidiary to WL Pipe 6".
1- 6" CI MJ Cap (W)
1- 2" Blowoff Assembly
Top Valve Box El.= 1304.3

SCALE:
PLAN: LAT. & LONG. 0 20 40
PROFILE: HORIZ. SAME AS ABOVE
VERT. 5 0

CAUTION!!!
4" Gas Main (KGS)
Exist. 24" VCP SWS

CAUTION!!!
6" Waterline (City of Wichita)

Existing Fire Hydrant Assembly
Remove Fire Hydrant and Valve. (Salvage to City)

@ 13th St., Sta. 49+53.63, 47.96' Lt.=
WL 2, Sta. 0+00.00
Connect to 8" Pipe *
Remove 8" CI MJ Cap and begin new 8" water main installation.

Plug 48" Brick Arch Culv. (E)

1 EXISTING 48" BRICK ARCH CULVERT SHALL REMAIN IN LIMITS OF RAILROAD RIGHT-OF-WAY. PROPOSED 8" WATERLINE SHALL BE PULLED THROUGH THE 48" BRICK ARCH BY APPROVED METHODS. JETTED SAND SHALL BE INSTALLED TO FILL ALL VOID AREAS. THE ENDS OF THE WATERLINE PIPE SHALL BE INSTALLED IN A 5' SECTION OF 18" MIN. I.D. STEEL CASING PIPE WITH CONCRETE INSTALLED BETWEEN THE ARCH AND CASING PIPE. THE WATERLINE SHALL THEN BE INSTALLED WITH LINK-SEAL WITHIN THE CASING PIPE. CONTRACTOR SHALL COORDINATE CONSTRUCTION OF PROPOSED WATERLINE WITH THE CONSTRUCTION OF THE NEW 48" STORM SEWER. THE PROPOSED STORM SEWER SHALL BE INSTALLED AND IN SERVICE PRIOR TO INSTALLATION OF THE 8" WATERLINE IN THE 48" BRICK ARCH CULVERT.

@ Murdock, Sta. 51+53, 28.5' Lt.
Remove existing Fire Hydrant and plug 6" Anchored Valve (N). Relocate Fire Hydrant to Waterline No. 1, Sta. 0+19.00. Cap abandoned line on both ends. Remove & Replace Pavement as required.

Install 19.00 L.F. WL Pipe 6"

Remove and reset sign as required.

Remove and Replace 16 L.F. Concrete Pavement.

Install 4.50 L.F. WL Pipe 8"

Remove and Replace 14 L.F. Gravel Road.

Install 35.50 L.F. WL Pipe 8"

Remove and Replace 38 L.F. Asphalt Pavement.

Install 9.21 L.F. WL Pipe 8"

Remove Existing Manhole over 48" Brick Arch Culvert. Backfill over excavated areas with compacted crushed rock.

Install 125.00 L.F. WL Pipe 8" inside Existing Brick Arch Culvert.

Install 43.22 L.F. WL Pipe 8" Remove Brick Arch and install 8" waterline. Backfill over excavated areas with compacted crushed rock.

Remove and Replace 28 L.F. Concrete Pavement.

CAUTION!!!
Prop. 48" Storm Water Sewer.

CAUTION!!!
Exist. 54" RCP SWS

Install 54.39 L.F. WL Pipe 8" Remove Brick Arch and install 8" waterline. Backfill over excavated areas with compacted crushed rock.

CAUTION!!!
6" Waterline (City of Wichita)

* PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE THE EXISTING 8" WATERLINE AT STATION 0+00.00 TO VERIFY PIPE SIZE, TYPE, FITTINGS, AND HORIZONTAL AND VERTICAL LOCATION. THE CONTRACTOR SHALL REPORT HIS FINDINGS TO THE ENGINEER SO THAT ANY NECESSARY PLAN MODIFICATIONS MAY BE MADE. ANY ADDITIONAL LABOR OR MATERIALS NECESSARY TO COMPLETE THE CONNECTION SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT.

** PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE THE EXISTING 6" WATERLINE AT STATION 2+13.85 TO VERIFY PIPE SIZE, TYPE, FITTINGS, AND HORIZONTAL AND VERTICAL LOCATION. THE CONTRACTOR SHALL REPORT HIS FINDINGS TO THE ENGINEER SO THAT ANY NECESSARY PLAN MODIFICATIONS MAY BE MADE. ANY ADDITIONAL LABOR OR MATERIALS NECESSARY TO COMPLETE THE CONNECTION SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT.

NOTE: CONTRACTOR SHALL MAINTAIN 2-WAY TRAFFIC ON 13TH STREET AT ALL TIMES UNLESS OTHERWISE APPROVED BY THE CITY.

Unless noted otherwise, elevations shown are top of pipe

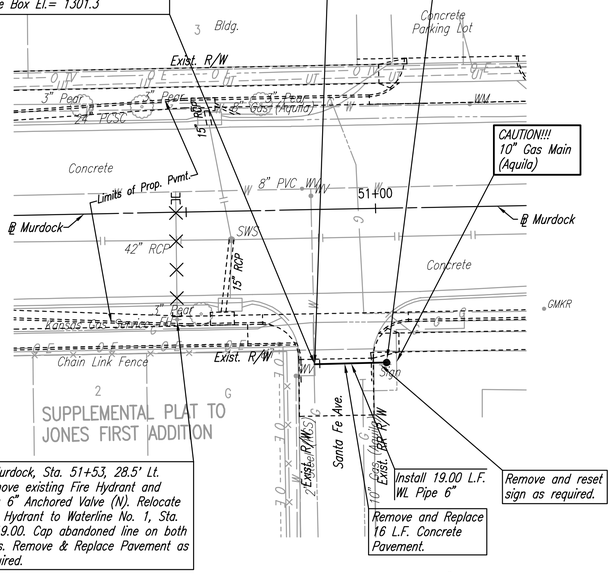
WATERLINE NO. 1

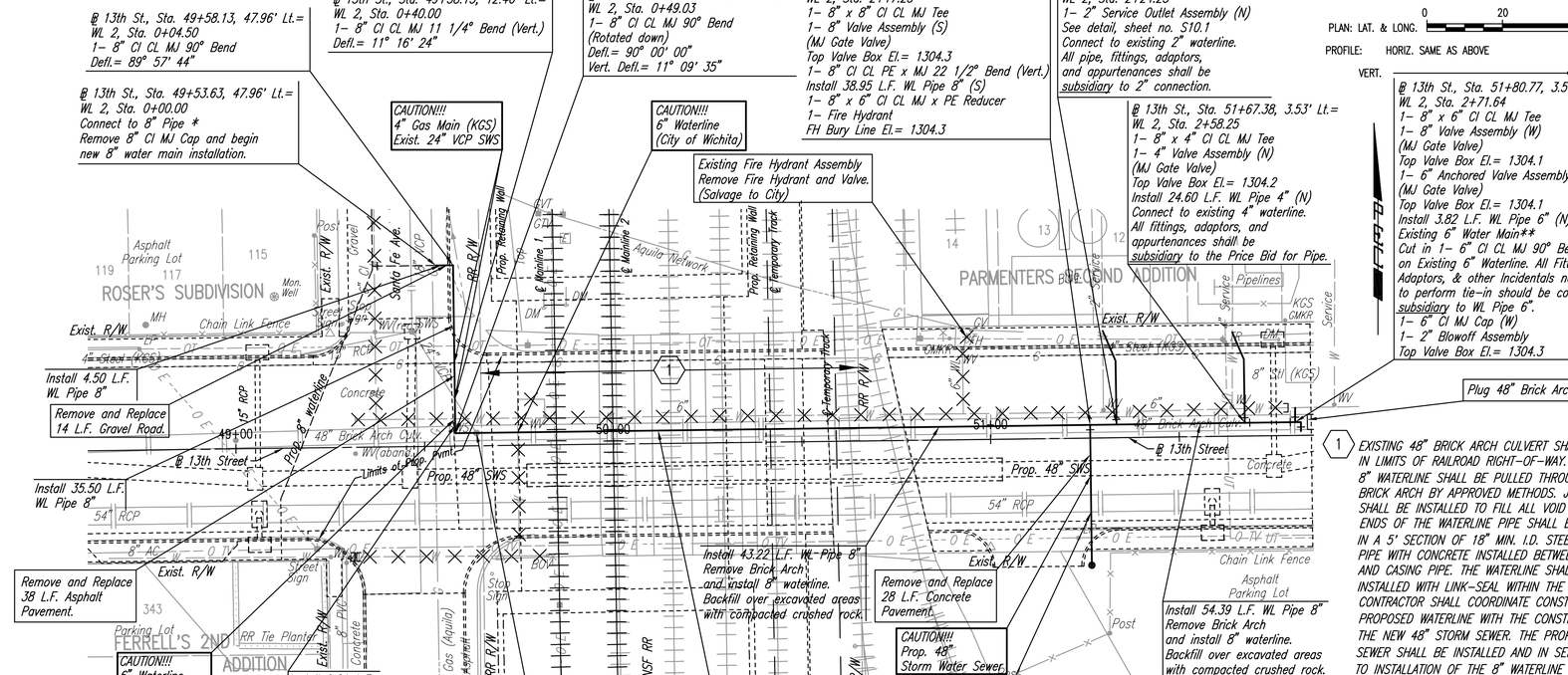
WATERLINE NO. 2

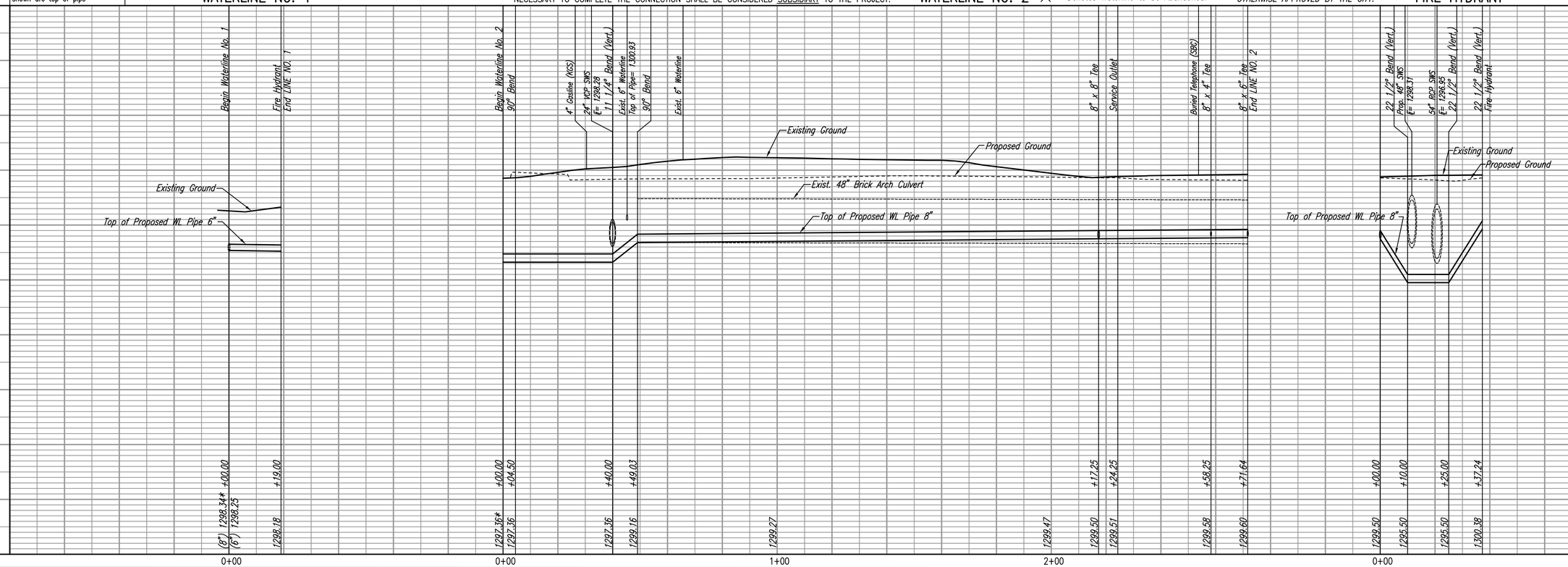
⊏ – Denotes Caps or Plugs to be Installed

× – Denotes Waterline to be Abandoned.

FIRE HYDRANT







PLAN	BY	DATE
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PROFILE	BY	DATE
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DSNR: OPER: SDM SCALE: 1=20.00
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CITY OF WICHITA, KANSAS
NEIL D. CABLE, P.E.- CITY ENGINEER
CENTRAL RAIL CORRIDOR
WATER PLAN
13TH STREET & MURDOCK STREET
LINE NO. 1 & 2
CITY OF WICHITA PROJECT NO. 472-84071

Professional Engineering Consultants, P.A.
303 S. TOPEKA • WICHITA, KANSAS 67202
316-262-2691 • FAX 316-262-3003

Designed By	MDK	Job No.	34-99189-4
Drawn By	GJR, JLM	Date	September 2002

Sheet S10.3 of ___