SCALE:
HORIZONTAL: 1" = 20'
VERTICAL: 1" = 5'

Sta. 10+20.67, Water Line 19 =
B.L. Sta. 11+39.16, 18.0' Lt.
Install 1–Fire Hydrant Assy. (S)
L = 3.50'
Bury Line Elev. = 1339.9
Valve Box Elev. = 1339.9

Cut and Cap Existing Water Line.

Remove and Replace 16.9 S.Y. of Pavement, per Note 25 of Sheet 4, as Necessary for Construction.

Sta. 10+70.67, Water Line 19 =
Sta. 2+95.96, Water Line 21 =
B.L. Sta. 11+89.16, 18.0' Lt.
Install 1–8" X 8" CIMJ Tee (W)
Install 1–8" Anchored Valve Assy. (W)
Valve Box Elev. = 1339.5
Install 1–8" X 4" CIMJ Reducer (N)
Install 10.00 L.F. 4" DICL Pipe (N)
Install 1–4" 90° CIMJ Bend (E)
Install 4.10 L.F. 4" DICL Pipe (E)
Install 1–4" 90° CIMJ Bend (N) and Connect to Ex. 4" Pipe.

Sta. 10+00.00, Water Line 19 =
B.L. Sta. 11+18.50, 18.0' Lt.
(Match Point)

CAUTION! Existing OHE Crossing

COUNTRY ACRES SECOND ADDITION
Block 34

REDBARN PARK

Sta. 15+06.57, Water Line 19 =
B.L. Sta. 16+23.17, 20.5' Rt.
P.C. of 508.2' Radius Curve.
(Match Point)

Lot 10
8400 W. BIRCH LANE
83'

BIRCH

11+00 12+00 13+00 14+00 15+00 16+00

4+00

CP 76

RECA

60' R/W

8401 W. BIRCH LANE
Lot 9
83'

942 RECA LANE
Lot 1
85'

8301 W. BIRCH LANE
Lot 2
78'

8233 W. BIRCH LANE
Lot 3
78'

8225 W. BIRCH LANE
Lot 4
78'

8217 W. BIRCH LANE
Lot 5
78'

8201 W. BIRCH LANE
Lot 6
11.22'
54.02'

Install 20.67 L.F. 8" Pipe.

Install 50.00 L.F. 8" Pipe.

Water Line 19 B.L. Sta. 11+70.36 = Intersection of Reca and Birch.

Remove and Replace 16.2 S.Y. of Pavement, per Note 25 of Sheet 4, as Necessary for Construction.

CAUTION! Existing Water Crossing

Sta. 11+10.68, Water Line 19 Bk =
Sta. 10+70.67, Water Line 19 Ahd =
B.L. Sta. 11+87.94, 22.0' Rt.
Install 1–8" CIMJ 90° Bend (E)

Install 380.00 L.F. 8" Pipe.

Water Line 19 B.L. Sta. = Centerline of Birch.

COUNTRY ACRES SECOND ADDITION
Block 35

Sta. 14+50.67, Water Line 19 =
B.L. Sta. 15+67.94, 22.0' Rt.
Deflect Pipe 1°47'34" (Lt.)

Install 55.90 L.F. 8" Pipe.

TYLER PAUL VOTH
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KANSAS
PROFESSIONAL ENGINEER

Location of Existing Line is Based on Record Information from the City. The Contractor Shall Excavate the Ex. Water and to Verify Size and Location PRIOR to Beginning Construction. This Work Shall be Considered SUBSIDIARY to the Water Line Installation.

Water Line 19

Sta. 10+00.00, Water Line 19–P.I. (Match Point)

Sta. 10+20.67, Water Line 19–P.I.
Install 1–Fire Hydrant Assy. (S)
L = 3.50'
Bury Line Elev. = 1339.9
Valve Box Elev. = 1339.9

Sta. 10+70.67, Water Line 19 =
Sta. 2+95.96, Water Line 21
Install 1–8" X 8" CIMJ Tee (W)
Install 1–8" Anchored Valve Assy. (W)
Valve Box Elev. = 1339.50
Install 1–8" X 4" CIMJ Reducer (N)
Install 10.00 L.F. 4" DICL Pipe (N)
Install 1–4" 90° CIMJ Bend (E)
Install 4.10 L.F. 4" DICL Pipe (E)
Install 1–4" 90° CIMJ Bend (N) and
Connect to Ex. 4" Pipe.

Sta. 11+10.68, Water Line 19 Bk =
Sta. 10+70.67, Water Line 19 Ahd =
Install 1–8" CIMJ 90° Bend (E)

Sta. 11+10.68, Water Line 19 Bk =
Sta. 10+70.67, Water Line 19 Ahd =
Install 1–8" CIMJ 90° Bend (E)

Sta. 14+50.67, Water Line 19
Deflect Pipe 1°47'34" (Lt.)

Sta. 15+06.57, Water Line 19
P.C. of 508.2' Radius Curve.
(Match Point)

1345
1340
1335
1330

Existing Ground @ ℄ of Pipe

Water Line 19

1335.55 = T.P.
1335.55 = T.P.
1335.63 = T.P.
1335.69 = T.P.
1335.75 = T.P.
1335.75 = T.P.
1335.79 = T.P.
1335.85 = T.P.
1335.92 = T.P.
1335.98 = T.P.
1336.04 = T.P.
1336.11 = T.P.
1336.17 = T.P.
1336.24 = T.P.
1336.31 = T.P.

10+00 10+20.67 10+50 10+70.67 11+10.68 10+70.67 11+00 11+50 12+00 12+50 13+00 13+50 14+00 14+50.67 15+06.57

Drawing File: E:\Projects\Country Acres WMR\Civil 3d\Country Acres WMR Basemap.dwg (Birch 03)

January 2016

Design:	MWS
Drawn:	STAFF
Approved:	TPV
Scale:	NOTED

Project No. 13-09-E968 CAPITAL IMPROVEMENT PROJECT

BIRCH WATER PLAN/PROFILE

Water Line 19 - Sta. 10+00.00 to Sta. 15+06.57

COUNTRY ACRES WATER MAIN REPLACEMENT PROJECT - PHASE 1b

Baughman Company, P.A.
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ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE