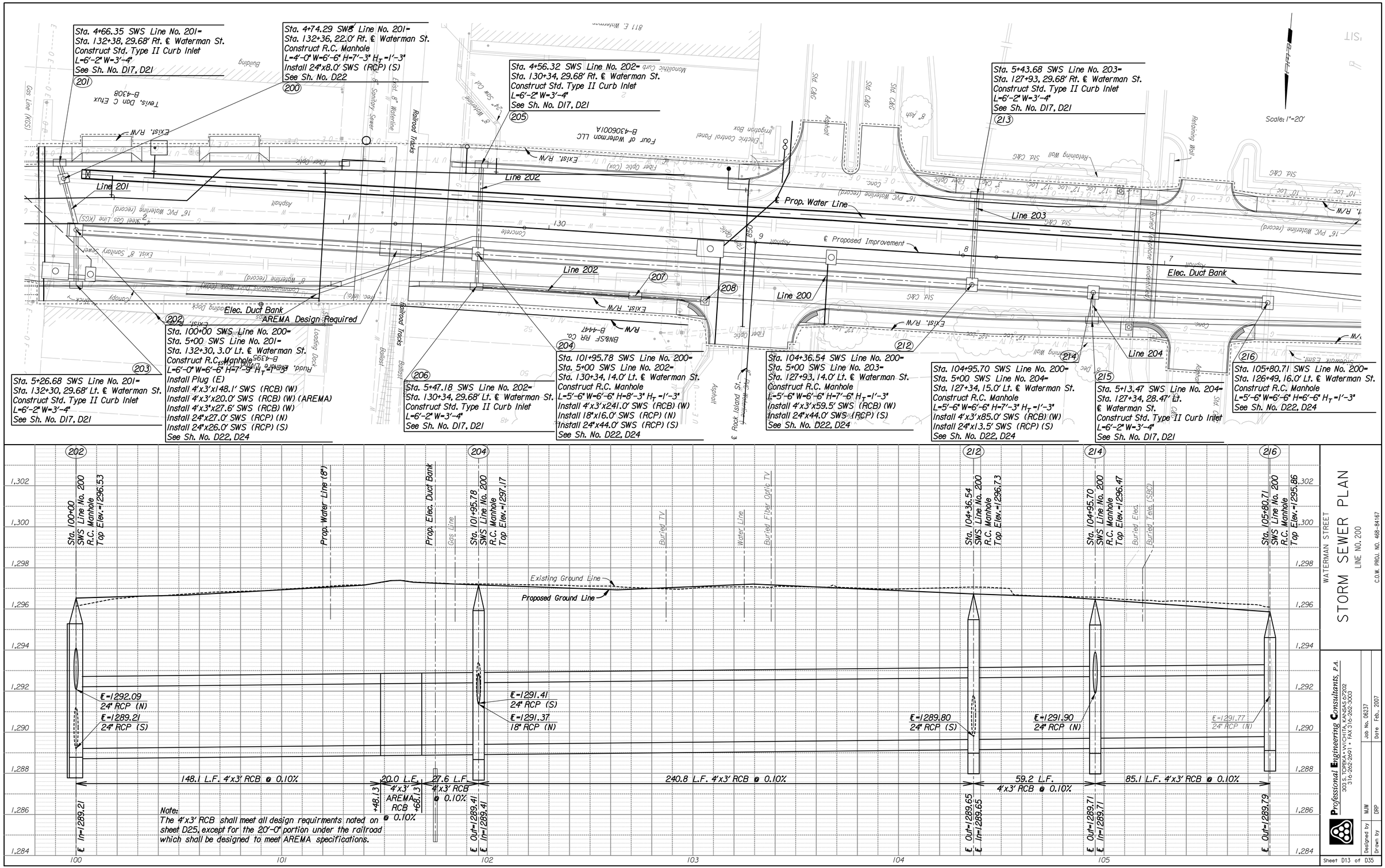
Sta. 4+66.35 SWS Line No. 201=
Sta. 132+38, 29.68' Rt. ℄ Waterman St.
Construct Std. Type II Curb Inlet
L=6'-2" W=3'-4"
See Sh. No. D17, D21
201
Sta. 4+74.29 SWS Line No. 201=
Sta. 132+36, 22.0' Rt. ℄ Waterman St.
Construct R.C. Manhole
L=4'-0" W=6'-6" H=7'-3" H_T=1'-3"
Install 24"x8.0' SWS (RCP) (S)
See Sh. No. D22
200
Sta. 4+56.32 SWS Line No. 202=
Sta. 130+34, 29.68' Rt. ℄ Waterman St.
Construct Std. Type II Curb Inlet
L=6'-2" W=3'-4"
See Sh. No. D17, D21
205
Sta. 5+43.68 SWS Line No. 203=
Sta. 127+93, 29.68' Rt. ℄ Waterman St.
Construct Std. Type II Curb Inlet
L=6'-2" W=3'-4"
See Sh. No. D17, D21
213
Scale: 1"=20'
Line 201
Line 202
Line 203
Line 200
Line 204
℄ Prop. Water Line
℄ Proposed Improvement
Elec. Duct Bank
AREMA Design Required
Exist. R/W
Railroad Tracks
Four of Waterman LLC
B-430601A
BN&SF RR Co.
B-4441
Sta. 5+26.68 SWS Line No. 201=
Sta. 132+30, 29.68' Lt. ℄ Waterman St.
Construct Std. Type II Curb Inlet
L=6'-2" W=3'-4"
See Sh. No. D17, D21
203
Sta. 100+00 SWS Line No. 200=
Sta. 5+00 SWS Line No. 201=
Sta. 132+30, 3.0' Lt. ℄ Waterman St.
Construct R.C. Manhole
L=6'-0" W=6'-6" H=7'-9" H_T=1'-3"
Install Plug (E)
Install 4'x3'x148.1' SWS (RCB) (W)
Install 4'x3'x20.0' SWS (RCB) (W) (AREMA)
Install 4'x3'x27.6' SWS (RCB) (W)
Install 24"x27.0' SWS (RCP) (N)
Install 24"x26.0' SWS (RCP) (S)
See Sh. No. D22, D24
202
Sta. 5+47.18 SWS Line No. 202=
Sta. 130+34, 29.68' Lt. ℄ Waterman St.
Construct Std. Type II Curb Inlet
L=6'-2" W=3'-4"
See Sh. No. D17, D21
206
Sta. 101+95.78 SWS Line No. 200=
Sta. 5+00 SWS Line No. 202=
Sta. 130+34, 14.0' Lt. ℄ Waterman St.
Construct R.C. Manhole
L=5'-6" W=6'-6" H=8'-3" H_T=1'-3"
Install 4'x3'x241.0' SWS (RCB) (W)
Install 18"x16.0' SWS (RCP) (N)
Install 24"x44.0' SWS (RCP) (S)
See Sh. No. D22, D24
204
Sta. 104+36.54 SWS Line No. 200=
Sta. 5+00 SWS Line No. 203=
Sta. 127+93, 14.0' Lt. ℄ Waterman St.
Construct R.C. Manhole
L=5'-6" W=6'-6" H=7'-6" H_T=1'-3"
Install 4'x3'x59.5' SWS (RCB) (W)
Install 24"x44.0' SWS (RCP) (S)
See Sh. No. D22, D24
212
Sta. 104+95.70 SWS Line No. 200=
Sta. 5+00 SWS Line No. 204=
Sta. 127+34, 15.0' Lt. ℄ Waterman St.
Construct R.C. Manhole
L=5'-6" W=6'-6" H=7'-3" H_T=1'-3"
Install 4'x3'x85.0' SWS (RCB) (W)
Install 24"x13.5' SWS (RCP) (S)
See Sh. No. D22, D24
214
Sta. 5+13.47 SWS Line No. 204=
Sta. 127+34, 28.47' Lt.
℄ Waterman St.
Construct Std. Type II Curb Inlet
L=6'-2" W=3'-4"
See Sh. No. D17, D21
215
Sta. 105+80.71 SWS Line No. 200=
Sta. 126+49, 16.0' Lt. ℄ Waterman St.
Construct R.C. Manhole
L=5'-6" W=6'-6" H=6'-6" H_T=1'-3"
See Sh. No. D22, D24
216
Sta. 100+00 SWS Line No. 200 R.C. Manhole Top Elev.=1296.53
Prop. Water Line (6")
Prop. Elec. Duct Bank
Gas Line
Sta. 101+95.78 SWS Line No. 200 R.C. Manhole Top Elev.=1297.17
Buried TV
Water Line
Buried Fiber Optic TV
Sta. 104+36.54 SWS Line No. 200 R.C. Manhole Top Elev.=1296.73
Sta. 104+95.70 SWS Line No. 200 R.C. Manhole Top Elev.=1296.47
Buried Elec.
Buried Tele. (SBC)
Sta. 105+80.71 SWS Line No. 200 R.C. Manhole Top Elev.=1295.86
Existing Ground Line
Proposed Ground Line
E=1292.09 24" RCP (N)
E=1289.21 24" RCP (S)
E=1291.41 24" RCP (S)
E=1291.37 18" RCP (N)
E=1289.80 24" RCP (S)
E=1291.90 24" RCP (N)
E=1291.77 24" RCP (N)
148.1 L.F. 4'x3' RCB @ 0.10%
20.0 L.F. 4'x3' AREMA RCB @ 0.10%
27.6 L.F. 4'x3' RCB @ 0.10%
240.8 L.F. 4'x3' RCB @ 0.10%
59.2 L.F. 4'x3' RCB @ 0.10%
85.1 L.F. 4'x3' RCB @ 0.10%
+48.13
+68.13
E In=1289.21
E Out=1289.41
E In=1289.41
E Out=1289.65
E In=1289.65
E Out=1289.71
E In=1289.71
E Out=1289.79
1,302
1,300
1,298
1,296
1,294
1,292
1,290
1,288
1,286
1,284
100
101
102
103
104
105
Note:
The 4'x3' RCB shall meet all design requirments noted on sheet D25, except for the 20'-0" portion under the railroad which shall be designed to meet AREMA specifications.
WATERMAN STREET
STORM SEWER PLAN
LINE NO. 200
C.O.W. PROJ. NO. 468-84167
Professional Engineering Consultants, P.A.
303 S. TOPEKA • WICHITA, KANSAS 67202
316-262-2691 • FAX 316-262-3003
Job No. 06237
Date Feb., 2007
Designed by MJW
Drawn by DRP
Sheet D13 of D35
DSNR: MJW OPER: DRP SCALE: 1"=20'
I:/2006/06237/PROFILE/06237-000-SWS200.DGN 00-00-2006 14:00:04 LAST REV: 10-25-2006 BY: DRP