GRAPHIC SCALE
40
0
20
40
80
(IN FEET)
1 INCH = 40 FT.
5
0
1 INCH = 5 FT.
(Vert.)
Building
Remove & Replace 17 L.F. of Asphalt in kind
Sta. 0+00.00 Line No.1
Exist. 3 LF of 12" DICL Pipe East of Exist. 12" Anchored Valve
Top Valve Box Elev.=Match Exist.
1
Exist. 12" Waterline
20' Utility Easement
20.00 L.F. 12" Pipe
Asphalt
F.H.
Exist. 8" San. Sewer
83.84 L.F. 12" Pipe
20' Utility Easement
6
Sta. 1+03.84 Line No.1
1–90° CICL MJ Bend
N 6006.7410, E 2886.5313
DO NOT DISTURB TREES
DURING CONSTRUCTION
28.76'
67.29'
CL 100' Wide Floodway Reserve
202.76'
Sta. 0+20.00 Line No.1
1–12" 90° CICL MJ Bend
N 6090.5780, E 2886.5313
BLOCK 2
4
Install North American Green C2 TRM or Approved Equal over All disturbed areas within the Floodway Reserve.
Seed w/ Brome Grass @ 50 lbs/acre.
Installing & Seeding shall be per Manufacturers Recommendation & use 16–20–0 fertilizer @ 350 lbs/acre.
Cost subsidiary to Erosion Control Bid Item
47.67'
48.38'
5'
10'
472.31 L.F. 12" Pipe
N90°00'00"E
361.22'
LINE NO.1
5'
25' Utility Easement
Sta. 1+88.84 Line No.1
1° Vertical Deflection
N 6006.7410, E 2971.5313
5
Sta. 0+88.84 Line No.1
Conc. Encase Existing Sewer
10' each way at waterline crossing
Sta. 7+40.44 Line No.1
Sta. 0+00.00 Line No.2
BL1 19+73.97, 29.0' Lt.
1–12"x8" CICL MJ Tee
2–12" Valve Assemblies (SW&NE)
8" Valve Assembly (SE)
(MJ Gate Valves)
Top Valve Box Elev.=179.67
N67°36'20"W
311.97'
Sta. 6+16.59 Line No.1
BL1 18+50.11, 29.0' Lt.
1–Fire Hydrant Assembly
L=5'
Top Valve Box Elev.=180.29
FH Bury Line Elev.=180.17
10.00 L.F. 12" DICLSJ Pipe
Sta. 6+06.59 Line No.1
BL1 18+40.11, 29.0' Lt.
1–45° CICL MJ Bend
4.22 L.F. 12" DICLSJ Pipe
Sta. 6+02.37 Line No.1
BL1 18+35.89, 29.0' Lt.
1–45° CICL MJ Bend
85.0'
6'
187.36'
Proposed Pavement
20.00 L.F. 12" DICLSJ Pipe
Sta. 5+82.37 Line No.1
BL1 18+15.89, 29.0' Lt.
1–45° CICL MJ Bend
6.22 L.F. 12" DICLSJ Pipe
Sta. 5+76.15 Line No.1
BL1 18+09.67, 29.0' Lt.
1–45° CICL MJ Bend
1–22 1/2° CICL MJ Bend
Actual Deflection=77°36'20"
198.22'
RIDGEWOOD
LINE NO.1
LINE NO.2
123.85 L.F. 12" Pipe
BL1 19+44.97
BL2 0+00.00
116.94'
124.68'
116.94'
197.28'
RIDGEWOOD CT.
Sta. 5+92.37 Line No.1
Conc. Encase Existing Sewer
10' each way at waterline crossing
BLOCK 3
4
A
Trench
A
#5 Bars at 2'–0" Centers
6 Sack Paving Mix
4 – #5 Bars in Corner
#5 Bars at 2'–0" Centers
3" Typ.
8" Min. all Sides
4 – #5 Bars in Corner
8" Min. all Sides
SECTION A–A
REINFORCED CONCRETE ENCASEMENT OF SANITARY SEWER

Minimum Radius of Curvature for Pipe on Curves (with 4° Deflection)	
Joint Length	Min. Radius
20'	286.54'
18'	257.88'
16'	229.23'
14'	200.58'
12'	171.92'
10'	143.27'
8'	114.61'
6'	85.96'
4'	57.30'

Unless otherwise noted elevations shown are to top of pipe.

LINE NO. 1
200
195
190
185
180
175
170
165
160
155
Existing 12" Valve
90° Bend (Rotate)
8" Sanitary Sewer (Field Verify)
90° Bend (Rotate)
Bottom of Ditch
Bottom of Ditch
1° Vert. Deflection
45° & 22 1/2° Bends (Rotate)
45° Bend
8" Sanitary Sewer (Field Verify)
45° Bend
45° Bend
Fire Hydrant Ass'y
12" x 8" Tee
Existing Ground
Proposed Top of Curb
Top of Proposed 12" Waterline
Exist. 8" San. Sewer
FL=171.9
Conc. Encase 10' each way at waterline crossing
Exist. 8" San. Sewer
FL=173.8
Conc. Encase 10' each way at waterline crossing
+20.00
+88.84
+03.84
+52.00
+70.00
+88.84
+76.15
+82.37
+92.37
+02.37
+06.59
+16.59
+40.44
174.50
174.50
169.90
168.90
168.90
168.90
168.90
169.11
171.00
172.89
174.78
176.20
171.80
171.80
171.80
176.05
176.00
175.61
175.42
0+00
1+00
2+00
3+00
4+00
5+00
6+00
7+00

No.	Date	By	Approved	Revision
△				
△				
△				
△				

GREAT PLAINS BUSINESS PARK 3RD ADDITION–PHASE I
LINE NO. 1
CITY OF WICHITA, KANSAS
MICHAEL E. LINDEBAK, P.E. – CITY ENGINEER
Proj.# 448–89692 O.C.A.# 735066

POE & ASSOCIATES OF KANSAS, INC.
CONSULTING ENGINEERS
5940 E. Central, Suite 200 ■ Wichita, KS 67208-4242
Phone 316/685-4114 ■ FAX 316/685-4444

FINAL

Designed By: J. Ubert / B. Kulla
Drawn By: B. Kulla
Poe Job No.: 1674C
Date: June 2002

Sheet
4 of 7