SCHEDULE OF STORM SEWER INSTALLATIONS (SMOOTH PIPE SYSTEM)

ROUTING SEQUENCE FROM	TO	LOCATIONS OF INSTALL STATIONING REF.	NUMBER	ROUTE	DISTANCE LT./RT.	TYPE OF INSTALLATION MANHOLE	5' DIA. MANHOLE	TYPE I	TYPE IA	DOUBLE DROP	BACKYARD
A1	A2	24	65.00	143rd St.	30.00' Lt.			1			
A2	A3	23	30.00	143rd St.	30.00' Lt.			1			
A3	A4	21	29.00	143rd St.	41.00' Lt.			1			
A4	A9	19	20.00	143rd St.	41.00' Lt.			1			
A9	Aout	18	82.13	143rd St.	53.77' Lt.		1				
A5	A6	24	65.00	143rd St.	30.00' Rt.			1			
A6	A7	23	30.00	143rd St.	32.00' Rt.				1		
A7	A3	21	29.00	143rd St.	43.00' Rt.				1		
A8	A4	19	20.00	143rd St.	43.00' Rt.				1		
B18	B17	36	98.00	143rd St.	30.00' Rt.			1			
B17	B16	34	89.00	143rd St.	30.00' Rt.			1			
B16	B15	32	29.00	143rd St.	30.00' Rt.			1			
B15	B7	30	95.00	143rd St.	30.00' Rt.			1			
B2	B3	26	17.00	143rd St.	30.00' Lt.			1			
B3	B9	27	57.00	143rd St.	30.00' Lt.			1			
B9	B8	28	70.00	143rd St.	30.00' Lt.			1			
B8	Bout	29	68.80	143rd St.	30.00' Lt.			1			
B1	B10	26	17.00	143rd St.	30.00' Rt.			1			
B10	B3	27	57.00	143rd St.	30.00' Rt.			1			
B11	B12	27	93.98	143rd St.	88.15' Rt.						1
B12	JB1	28	39.50	143rd St.	88.15' Rt.						1
JB1	B13	28	42.53	143rd St.	35.54' Rt.	1					
B13	B9	28	70.00	143rd St.	30.00' Rt.			1			
B14	B13	29	68.80	143rd St.	30.00' Rt.			1			
B4	B5	36	98.00	143rd St.	30.00' Lt.			1			
B5	B6	34	89.00	143rd St.	30.00' Lt.			1			
B6	B7	32	29.00	143rd St.	30.00' Lt.			1			
B7	B8	30	95.00	143rd St.	30.00' Lt.			1			
C1	C2	39	37.00	143rd St.	30.00' Rt.			1			
C2	C5	42	03.00	143rd St.	30.00' Rt.			1			
C5	C6	43	64.00	143rd St.	30.00' Rt.			1			
C6	C7	46	24.00	143rd St.	32.00' Rt.				1		
C7	C8	48	84.00	143rd St.	32.00' Rt.				1		
C8	Cout	50	69.35	143rd St.	32.00' Rt.				1		
C3	C4	41	38.33	143rd St.	75.00' Rt.						1
C4	JB3	41	75.29	143rd St.	75.00' Rt.						1
JB3	C2	41	78.05	143rd St.	39.82' Rt.	1					
D1	D2	39	37.00	143rd St.	30.00' Lt.			1			
D2	D3	42	03.00	143rd St.	30.00' Lt.			1			
D3	D4	43	64.00	143rd St.	30.00' Lt.			1			
D4	D5	46	24.00	143rd St.	30.00' Lt.			1			
D5	D6	48	84.00	143rd St.	30.00' Lt.			1			
D6	D7	50	69.35	143rd St.	30.00' Lt.			1			
D7	D8	52	47.52	143rd St.	30.00' Lt.			1			
D8	D9	53	58.00	143rd St.	30.00' Lt.			1			
D9	D10	55	04.23	143rd St.	30.70' Lt.			1			
D10	Dout	57	18.93	143rd St.	36.00' Lt.			1			
D13	D5	48	80.23	143rd St.	62.38' Lt.						1
EX01	D6	50	30.39	143rd St.	64.85' Lt.						
D11	JB2	53	69.62	143rd St.	57.23' Lt.			1			
JB2	D9	54	69.85	143rd St.	55.36' Lt.	1					
E1	E2	51	54.00	143rd St.	32.00' Rt.				1		
E2	E3	53	58.00	143rd St.	32.00' Rt.				1		
E3	E4	55	04.95	143rd St.	31.32' Rt.				1		
E4	E5	56	03.87	143rd St.	26.03' Rt.				1		
E5	Eout	57	25.00	143rd St.	26.00' Rt.				1		
G1	G2	17	39.06	143rd St.	79.84' Rt.						
G2	Gout	17	51.57	143rd St.	40.94' Rt.	1					
G3	G4	18	07.06	143rd St.	97.32' Rt.					1	
G4	Exist.	18	07.18	143rd St.	60.76' Rt.	1					
H1	EX02	58	52.55	143rd St.	36.00' Lt.			1			
					TOTAL	5	1	36	11	1	5

FROM	TO	DIMENSIONS L (FT.)	W (FT.)	H (FT.)	ELEVATIONS TOP⊛	FLOOR	INFLOW CONDUITS CONDUIT SIZE	FLOWLINE ELEV.	CONDUIT SIZE	FLOWLINE ELEV.	OUTFLOW CONDUIT SIZE	FLOWLINE ELEV.
A1	A2	10.0	4.0	5.0	1332.69	1328.60					18"	1328.60
A2	A3	10.0	4.0	5.5	1331.23	1326.25	18"	1327.25			18"	1326.25
A3	A4	10.0	4.0	6.5	1326.83	1321.25	18"	1323.00	18"	1322.00	18"	1321.25
A4	A9	10.0	4.0	4.0	1321.16	1317.80	18"	1318.80	30"x19"	1317.80	30"x19"	1317.80
A9	Aout	5.0	-	4.5	1321.11	1317.30	30"x19"	1317.45	30"x19"	1317.30	38"x24"	1317.30
A5	A6	10.0	6.0	4.5	1332.69	1328.75					18"	1328.75
A6	A7	10.0	4.0	5.5	1331.23	1326.35	18"	1327.50			18"	1326.35
A7	A3	10.0	4.0	5.0	1327.01	1322.80	18"	1323.50			18"	1322.80
A8	A4	10.0	4.0	4.0	1321.16	1318.05					30"x19"	1318.05
B18	B17	10.0	6.0	4.5	1342.55	1338.95					18"	1338.95
B17	B16	10.0	6.0	5.0	1339.23	1335.20	18"	1335.95			18"	1335.20
B16	B15	10.0	6.0	4.0	1335.07	1331.60	18"	1332.40			18"	1331.60
B15	B7	10.0	6.0	4.0	1332.98	1329.90	18"	1330.40			30"x19"	1329.90
B2	B3	10.0	4.0	3.5	1332.86	1330.15					18"	1330.15
B3	B9	10.0	4.0	3.5	1332.56	1329.65	18"	1329.95	23"x14"	1330.00	34"x22"	1329.65
B9	B8	10.0	4.0	3.5	1332.32	1329.45	34"x22"	1329.55	23"x14"	1329.50	34"x22"	1329.45
B8	Bout	15.0	4.0	4.0	1332.14	1328.85	34"x22"	1329.25	34"x22"	1328.95	34"x22"	1328.85
B1	B10	10.0	6.0	3.0	1332.86	1330.50					18"	1330.50
B10	B3	10.0	6.0	3.0	1332.56	1330.20	18"	1330.20			23"x14"	1330.20
B11	B12	4.0	-	2.5	1332.50	1330.90	12"	1331.00			23"x14"	1330.90
B12	JB1	4.0	-	4.0	1333.53	1330.50	23"x14"	1330.75			18"	1330.50
JB1	B13	4.0	4.0	3.0	1332.49	1330.10	18"	1330.30			18"	1330.10
B13	B9	10.0	6.0	3.5	1332.32	1329.75	18"	1329.95	23"x14"	1329.75	23"x14"	1329.75
B14	B13	10.0	6.0	3.0	1332.14	1330.05					23"x14"	1330.05
B4	B5	10.0	4.0	5.0	1342.55	1338.50					18"	1338.50
B5	B6	10.0	4.0	5.0	1339.23	1335.10	18"	1335.75			18"	1335.10
B6	B7	10.0	4.0	4.5	1335.07	1331.40	18"	1331.85			18"	1331.40
B7	B8	10.0	4.0	4.5	1332.98	1329.15	18"	1329.90	30"x19"	1329.65	34"x22"	1329.15
C1	C2	10.0	6.0	4.5	1342.60	1338.60					18"	1338.60
C2	C5	10.0	6.0	5.5	1338.18	1333.65	18"	1334.75	18"	1335.75	18"	1333.65
C5	C6	10.0	6.0	5.0	1335.47	1331.10	18"	1331.75			18"	1331.10
C6	C7	10.0	4.0	5.0	1331.11	1327.00	18"	1328.00			18"	1327.00
C7	C8	10.0	4.0	5.0	1326.88	1322.55	18"	1323.25			30"x19"	1322.55
C8	Cout	10.0	4.0	5.0	1324.44	1320.20	30"x19"	1321.25			24"	1320.20
C3	C4	4.0	-	3.0	1340.45	1338.25					18"	1338.25
C4	JB3	4.0	-	4.0	1340.61	1337.25	18"	1337.75			18"	1337.25
JB3	C2	4.0	4.0	4.0	1339.15	1336.05	18"	1336.75			18"	1336.05
D1	D2	10.0	4.0	4.0	1342.60	1339.15					18"	1339.15
D2	D3	10.0	4.0	4.5	1338.18	1334.40	18"	1335.00			18"	1334.40
D3	D4	10.0	4.0	4.5	1335.47	1331.70	18"	1332.25			18"	1331.70
D4	D5	10.0	4.0	4.5	1331.11	1327.40	18"	1328.25			18"	1327.40
D5	D6	10.0	4.0	4.0	1326.88	1323.40	18"	1324.00	18"	1323.80	30"x19"	1323.40
D6	D7	10.0	4.0	5.0	1324.44	1320.00	30"x19"	1321.10	24"	1320.75	30"x19"	1320.00
D7	D8	10.0	4.0	5.0	1320.61	1316.20	30"x19"	1316.90			34"x22"	1316.20
D8	D9	10.0	5.0	5.0	1318.81	1314.50	34"x22"	1315.30			42"x27"	1314.50
D9	D10	10.0	6.0	5.0	1317.86	1313.50	42"x27"	1313.95	30"x19"	1314.75	45"x29"	1313.50
D10	Dout	10.0	6.0	8.0	1319.79	1312.60	45"x29"	1312.70			45"x29"	1312.60
D13	D5	4.0	-	4.5	1327.62	1323.95					18"	1323.95
EX01	D6	-	-	-	-	-	24"	1322.34			24"	1322.20
D11	JB2	5.0	4.0	4.0	1319.20	1315.80					30"x19"	1315.80
JB2	D9	5.0	5.5	6.0	1320.31	1315.05	30"x19"	1315.35			30"x19"	1315.05
E1	E2	10.0	4.0	5.5	1322.64	1317.95					18"	1317.95
E2	E3	10.0	4.0	4.0	1318.81	1315.50	18"	1316.00			18"	1315.50
E3	E4	10.0	4.0	4.0	1317.94	1314.90	18"	1315.00			18"	1314.90
E4	E5	10.0	4.0	5.0	1318.54	1314.45	18"	1314.55			18"	1314.45
E5	Eout	10.0	4.0	7.5	1320.31	1313.80	18"	1314.00			18"	1313.80
G1	G2	-	-	-	-	-					18"	1316.90
G2	Gout	4.0	4.0	6.5	1320.78	1315.25	18"	1315.75	15"	1315.90	18"	1315.25
G3	G4	4.0	2.0	4.0	1321.94	1318.45					15"	1318.45
G4	Exist.	4.0	4.0	4.5	1321.77	1318.11	15"	1318.15			Exist. 15"	1318.11
H1	EX02	10.0	6.0	4.0	1323.48	1320.00					18"	1320.00

FROM	TO	PIPE LENGTHS 15" RCP	18" RCP	24" RCP	23"x14" HERCP	30"x19" HERCP	34"X22" HERCP	38"X24" HERCP	42"X27" HERCP	45"X29" HERCP	END SECTIONS 18"	24"	34"X22"	38"X24"	45"X29"
A1	A2		135.0												
A2	A3		201.3												
A3	A4		209.0												
A4	A9					38.8									
A9	Aout							40.1						1	
A5	A6		135.0												
A6	A7		201.3												
A7	A3		90.0												
A8	A4					90.5									
B18	B17		209.0												
B17	B16		260.0												
B16	B15		134.0												
B15	B7					67.0									
B2	B3		140.0												
B3	B9						113.0								
B9	B8						98.8								
B8	Bout						56.4						2		
B1	B10		140.0												
B10	B3				67.0										
B11	B12				45.5										
B12	JB1		52.7												
JB1	B13		27.6												
B13	B9				134.0										
B14	B13				98.8										
B4	B5		209.0												
B5	B6		260.0												
B6	B7		134.0												
B7	B8						126.2								
C1	C2		266.0												
C2	C5		161.0												
C5	C6		260.0												
C6	C7		260.0												
C7	C8					185.4									
C8	Cout			24.9								1			
C3	C4		37.0												
C4	JB3		35.3												
JB3	C2		25.9												
D1	D2		266.0												
D2	D3		161.0												
D3	D4		260.1												
D4	D5		260.0												
D5	D6					185.4									
D6	D7					178.2									
D7	D8						110.5								
D8	D9								146.1						
D9	D10									214.9					
D10	Dout									129.8					1
D13	D5		28.6												
EX01	D6			50.0											
D11	JB2					100.2									
JB2	D9					40.5									
E1	E2		204.0												
E2	E3		147.0												
E3	E4		99.0												
E4	E5		121.1												
E5	Eout		30.3								1				
G1	G2		38.7								1				
G2	Gout		107.1								1				
G3	G4	36.6													
G4	Exist.														
H1	EX02		66.5												
TOTAL		36.6	5372.5	74.9	345.3	886.0	504.9	40.1	146.1	344.7	3	1	2	1	1

PIPE CULVERT SUMMARY

	STATION	OFFSET	TYPE	SIZE OR BID DESIGNATION SQ. FT.	FLOW LINE IN	FLOW LINE OUT	LENGTH OF PIPE	HEIGHT OF FILL (MIN.) FT.	CONCRETE PIPE AASHTO CLASS NO.	REMARKS
	14+71.08	35.40' Rt.	RCP	18"	1309.40	1307.50	29.6'	0.30	III	Connect to Exist. 18" Storm Sewer
	15+61.39	37.12' Rt.	HERCP	14"x23"	1312.17	1310.98	30.0'	0.02	III	
	17+58.17	43.75' Rt.	RCP	15"	1316.33	1315.90	9.1'	1.62	III	Connect to Exist. 15" Storm Sewer and Proposed Storm Inlet
†	18+79.47	37.66' Lt.	HERCP	19"x30"	1317.35	1317.30	16.3'	0.00	III	Connect to Exist. 3.0 Sq. Ft. Storm Sewer and Proposed Manhole
†	18+80.66	92.05' Rt.	HERCP	19"x30"	1318.14	1317.85	44.0'	0.00	III	Connect to Exist. 3.0 Sq. Ft. Storm Sewer
†	27+93.11	60.70' Rt.	RCP	12"	1332.09	1331.00	26.0'	0.00	III	Connect to Prop. Inlet B11 with a ℄ Out = 1331.00

† CAUTION! Concrete collar or storm sewer is located in or right under the base.

DRAINAGE STRUCTURES

	STATION	SIDE	SIZE	TYPE	CROSS ROAD PIPES RCP 15"	RCP (19"x30")	ENTRANCE PIPES RCP 12"	RCP 18"	HERCP (14"x23")	END SECTIONS RC 12"	RC 18"	RCHE (14"x23")	RCHE (19"x30")	REMARKS
	14+71.08	Rt.	18"	RCP				29.6			1			Connect to Exist. 18" Storm Sewer
	15+61.39	Rt.	1.5 Sq. Ft.	RCPHE					30.0			2		
	17+58.17	Rt.	15"	RCP	9.1									Connect to Exist. 15" Storm Sewer and Proposed Storm Inlet
†	18+79.47	Lt.	3.0 Sq. Ft.	RCPHE		16.3								Connect to Exist. 3.0 Sq. Ft. Storm Sewer and Proposed Manhole
†	18+80.66	Rt.	3.0 Sq. Ft.	RCPHE		44.0							1	Connect to Exist. 3.0 Sq. Ft. Storm Sewer
†	27+93.11	Rt.	12"	RCP			26.0			1				Connect to Prop. Inlet B11 with a ℄ Out = 1331.00
				TOTAL	9.1	60.3	26.0	29.6	30.0	1	1	2	1	

† CAUTION! Concrete collar or storm sewer is located in or right under the base.

SUMMARY OF STORM QUANTITIES

ITEM	QUANTITY	UNIT
Pipe, SWS 12"	26.0	L.F.
Pipe, SWS 15"	45.7	L.F.
Pipe, SWS 18"	5402.1	L.F.
Pipe, SWS 24"	74.9	L.F.
Pipe, SWS HERCP (14"x23")(18)	375.3	L.F.
Pipe, SWS HERCP (19"x30")(24)	946.3	L.F.
Pipe, SWS HERCP (22"x34")(27)	504.9	L.F.
Pipe, SWS HERCP (24"x38")(30)	40.1	L.F.
Pipe, SWS HERCP (27"x42")(33)	146.1	L.F.
Pipe, SWS HERCP (29"x45")(36)	344.7	L.F.
Pipe End Section 12"	1	EA.
Pipe End Section 18"	4	EA.
Pipe End Section 24"	1	EA.
Pipe End Section (14"x23")(18)	2	EA.
Pipe End Section (19"x30")(24)	1	EA.
Pipe End Section (22"x34")(27)	2	EA.
Pipe End Section (24"x38")(30)	1	EA.
Pipe End Section (29"x45")(36)	1	EA.
Inlet, Curb (Type I)(L=5' W=4')	1	EA.
Inlet, Curb (Type I)(L=10' W=4')	18	EA.
Inlet, Curb (Type I)(L=10' W=5')	1	EA.
Inlet, Curb (Type I)(L=10' W=6')	15	EA.
Inlet, Curb (Type I)(L=15' W=4')	1	EA.
Inlet, Curb (Type IA)(L=10' W=4')	11	EA.
Inlet, Drop (Double)	1	EA.
Area Inlet (Backyard Inlet)	5	EA.
MH, Shallow SWS (L=4' W=4')	2	EA.
MH, Shallow SWS (5' Dia.)	1	EA.
MH, Standard SWS (L=4' W=4')	2	EA.
MH, Standard SWS (L=5' W=5.5')	1	EA.

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CONSULTANTS:

143RD STREET IMPROVEMENTS
WICHITA, KANSAS
CITY OF WICHITA

REVISIONS: MARK | DATE | DESCRIPTION

PROJ NO: 87 N-0614-01
SCALE: N/A
DATE: 5/26/2017
DESIGNED BY: TAU
DRAWN BY: TAU
CHECKED BY: MDB

SHEET TITLE:
SCHEDULE OF STORM SEWER

SHEET NO.
38
SHEET 38 OF 236

IF THIS DRAWING IS LESS THAN 22" X 36" IT IS A REDUCED SIZE DRAWING

taummel 5/26/2017 - 11:06:22 AM c:\transystems\pw_local\transyscorp-pw1\taummel\d0228400\rd050.dgn