REVISION	DATE
△1 REVISED STRUCTURE & QUANTITIES	10/06/17

SUMMARY OF DRAINAGE STRUCTURES

STRUCTURE NO.	STATION	DESCRIPTION	DESIGN
41	192ND ST. 1013+53.17	CONST. 4' DIA. M.H., 38.43' RT. STUB 62 L.F. 24" RCP W/C.E.T. INTO DITCH RT.	MJB-3, MFC-4, SPI-4, SPB-1, CET6S-3-B6, FHTCP-3
42	192ND ST. 1017+73.14	CONST. C.I. DES. 2(D), 30.43' LT. STUB 58 L.F. 18" RCP INTO STR. 43	CI-1 DES. 2(D), SSIF-4, CIG-2, SPI-4, SPB-1, FHTCP-3
43	192ND ST. 1017+73.14	CONST. C.I. DES. 2(D), 30.43' RT. STUB 4 L.F. 18" RCP INTO STR. 44	CI-1 DES. 2(D), SSIF-4, CIG-2, SPI-4, SPB-1, FHTCP-3
44	192ND ST. 1017+73.17	CONST. 4' DIA. M.H., 36.74' RT. STUB 270 L.F. 18" RCP INTO STR. 65	MJB-3, MFC-4, SPI-4, SPB-1, FHTCP-3
45	S.H. 74 1150+14.53	CONST. G.P.I. TYPE-1 DES. 6, 95.42' LT. STUB 58 L.F. 30" RCP INTO STR. 38	GPI-4 DES. 6, SPI-4, SPB-1, FHTCP-3
46	S.H. 74 1150+74.61	CONST. G.P.I. TYPE-1 DES. 2, 6.00' RT. STUB 116 L.F. 30" RCP INTO STR. 45	GPI-4 DES. 2, SPI-4, SPB-1, FHTCP-3
47	S.H. 74 1150+18.23	CONST. G.P.I. TYPE-1 DES. 6, 92.96' RT. STUB 102 L.F. 30" RCP INTO STR. 46	GPI-4 DES. 6, SPI-4, SPB-1, FHTCP-3
48	S.H. 74 1150+20.00	CONST. 24"x72' LG. RCP S.D., 84.95' RT. W/C.E.T.	SPI-4, SPB-1, CET4S-3-B4, CET6S-3-B6, FHTCP-3
49	S.H. 74 1159+11.60	CONST. 5'x3'x189' LG. RCB 95.00' LG. LT. & 94.00' LG. RT. W/HEADWALL, WINGS, APRON & 4' CURTAIN WALL LT. & INLET GRATE CDIB-1 DES. 7 RT.	CDIB-1 DES. 7, SBI-4, (#6)
50	S.H. 74 1169+39.43	CONST. 18"x70' LG. RCP S.D., 84.98' LT. W/C.E.T.	SPI-4, SPB-1, CET4S-3-A4, CET6S-3-A6, FHTCP-3
51	S.H. 74 1175+32.00	CONST. S.M.D. TYPE-2, 5.04' LT. STUB 88 L.F. 18" RCP W/C.E.T. INTO DITCH RT.	SMD-3 TYPE-2, SPI-4, SPB-1, CET6S-3-A6, FHTCP-3
52	S.H. 74 1175+95.65	CONST. 24"x78' LG. RCP S.D., 85' RT. W/C.E.T.	SPI-4, SPB-1, CET4S-3-B4, CET6S-3-B6, FHTCP-3
53	S.H. 74 1177+00.00	CONST. 24"x54' LG. RCP S.D., 85' RT. W/C.E.T.	SPI-4, SPB-1, CET4S-3-B4, CET6S-3-B6, FHTCP-3
54	S.H. 74 1183+86.50	CONST. S.M.D. TYPE-2, 5.04' LT. STUB 90 L.F. 22"x13" RCPA W/C.E.T. INTO DITCH RT.	SMD-3 TYPE-2, SPI-4, SPB-1, CET6S-3-A6, FHTCP-3
55	S.H. 74 1184+84.29	CONST. 24"x146' LG. RCP S.D., 85.00' LT. W/C.E.T.	SPI-4, SPB-1, CET4S-3-B4, CET6S-3-B6, FHTCP-3
△1 56	S.H. 74 1192+00.00	CONST. 2-6'x3'x38' LG. RCB S.D., 97.59' RT. W/STD. END SECTIONS	SBI-4, (#7)
57	S.H. 74 1197+00.00	CONST. G.P.I. TYPE-2 DES. 8, ON C.L. STUB 100 L.F. 24" RCP W/C.E.T. INTO DITCH LT.	GPI-4 DES. 8, SPI-4, SPB-1, CET6S-3-B6, FHTCP-3
△1 58	S.H. 74 1198+08.81	CONST. 2-6'x3'x160' LG. RCB 82.00' LG. LT. & 78.00' LG. RT. W/ HEADWALL, WINGS, APRON & 4' CURTAIN WALL LT. & INLET GRATES RT.	SBI-4, SEE DETAIL SHEETS 105-108, (#8)
59	S.H. 74 1201+47.00	CONST. S.M.D. TYPE-2, 4.79' LT. STUB 82 L.F. 18" RCP W/C.E.T. INTO DITCH LT.	SMD-3 TYPE-2, SPI-4, SPB-1, CET6S-3-A6, FHTCP-3
60	S.H. 74 1201+47.00	CONST. TYPE A6 C.E.T., 81.00' RT. STUB 86 L.F. 18" RCP INTO STR. 59	SPI-4, SPB-1, CET6S-3-A6, FHTCP-3
61	206TH ST. 1006+34.00	CONST. 18"x88' LG. RCP S.D., 53.70' RT. W/C.E.T.	SPI-4, SPB-1, CET4S-3-A4, CET6S-3-A6, FHTCP-3
62	206TH ST. 1011+05.00	CONST. 18"x62' LG. RCP S.D., 59.68' LT. W/C.E.T.	SPI-4, SPB-1, CET4S-3-A4, CET6S-3-A6, FHTCP-3
63		DELETED	
64	S.H. 74 1106+86.34	CONST. 18"x64' LG. RCP S.D., 85.00' RT. W/C.E.T.	SPI-4, SPB-1, CET4S-3-A4, CET6S-3-A6, FHTCP-3
65	192ND ST. 1015+00.00	CONST. 4' DIA. M.H., 37.77' RT. STUB 144 L.F. 18" R.C.P. INTO STR. 41	MJB-3, MFC-4, SPI-4, SPB-1, FHTCP-3
66	S.H. 74 1057+90.00	CONST. G.P.I. TYPE-2 DES. 8, 4.99' LT. STUB 100 L.F. 24" RCP W/C.E.T. INTO DITCH LT.	GPI-4 DES. 8, SPI-4, SPB-1, CET4S-3-B4, FHTCP-3
67		DELETED	
68	206TH ST. 1019+51.75	CONST. 18"x130' LG. RCP S.D., 51.00' RT. W/C.E.T.	SPI-4, SPB-1, CET4S-3-A4, CET6S-3-A6, FHTCP-3
69		DELETED	
70	S.H. 74 1080+25.00	CONST. GPI TYPE-1 DES. 5, 6.84' RT. STUB 70 L.F. 24" RCP INTO STR. 6	GPI-4 DES. 5, SPI-4, SPB-1, FHTCP-3
BR. D	S.H. 74 1076+40.00	BRIDGE "D"-CONST. 3-16'x12'x169' LG. R.C.B. W/STD. HDWLS, WINGS, & APRONS 87.00 ' LT. & 82.00' RT.	SBI-4, SEE BRIDGE SHEETS
T1	S.H. 74 1076+20.00	EXTEND EXIST. 72"x55' LG. CGMP, 14' LG. RT.	FPI-3, SPB-1, FHTMPP-1
T2	S.H. 74 1076+28.00	EXTEND EXIST. 72"x51' LG. CGMP, 12' LG. RT.	FPI-3, SPB-1, FHTMPP-1
T3	S.H. 74 1080+82.00	EXTEND EXIST. 51"x31"x59' LG. CGMPA, 82' L.F. RT.	FPI-3, SPB-1, FHTMPP-1
T4	S.H. 74 1099+85.00	CONST. 48"x60' LG. CGMP, 104.83' LT.	FPI-3, SPB-1, FHTMPP-1
T5	S.H. 74 1117+47.00	CONST. 54"x46' LG. CGMP, 107.36' LT.	FPI-3, SPB-1, FHTMPP-1
T6	S.H. 74 1158+99.00	CONST. 36"x46' LG. CGMP, 113.02' LT.	FPI-3, SPB-1, FHTMPP-1
		TOTALS	

STRUCTURE NO.	UNCLASS. EXC. 202(A) C.Y.	STR. EXC. UNCLASS. 501(A) C.Y.	TRENCH EXC. 613(V) C.Y.	STD. BEDDING MATERIAL CLASS B 613 (S) C.Y.	CLASS C 613 (T) C.Y.	ELEVATIONS TOP OF CURB ELEV.	TOP OF RIM OR TOP OF GRATE ELEV.	INLET FLOWLINE ELEV.	DOWN STREAM FLOWLINE ELEV.	CLASS 'AA' CONCRETE 509(A) C.Y.	CLASS 'A' CONCRETE SMALL STRUCTURES 509(C) C.Y.	REINFORCING STEEL 511(A) LBS.
41			39.77		23.93		1079.79	1073.05	1072.79			
42			35.96		29.63	1096.28	1095.57	1091.06	1090.48			
43			3.77		1.58	1096.28	1095.57	1090.48	1090.44			
44			243.11		106.38		1096.60	1090.44	1079.43			
45			122.26		36.95		1075.33	1069.91	1069.22			
46			271.62	209.76			1078.62	1070.85	1069.91			
47			216.28	165.93			1075.37	1071.18	1070.85			
48												
49	3,366	35					1076.68	1072.18	1071.30	99.14		17,886.00
50												
51			32.34	22.94			1078.85	1076.26	1075.80			
52												
53												
54			44.68	44.68			1062.01	1059.19	1058.44			
55												
56	655	53						1040.34	1040.27	146.76		18,920.00
57			74.52	56.34			1040.57	1037.84	1035.49			
58	1,060	93					1038.61	1034.77	1034.30	227.90		34,260.00
59			42.46	33.70			1039.41	1035.97	1035.62			
60			42.91	33.73				1036.88	1035.97			
61												
62												
63												
64												
65			135.22		56.74		1084.68	1079.43	1073.55			
66			105.93	80.76			1072.73	1069.63	1063.32			
67												
68												
69												
70			114.07		36.96		1067.59	1064.86	1058.29			
BR. D								1051.50	1051.00			
T1								1051.53	1051.53			
T2								1051.92	1051.92			
T3								1056.08	1054.96			
T4								1078.38	1078.20			
T5								1078.22	1078.00			
T6								1071.43	1071.30			
TOTALS	20,154 △1	733 △1	4,804.39	960.38	1,903.72					1,991.96 △1	2.71	299,947.10 △1

STRUCTURE NO.	MANHOLE 611(A) 4' EA.	MANHOLE 611(A) 5' EA.	MANHOLE ADD'L. DEPTH 611(B) 4' V.F.	MANHOLE ADD'L. DEPTH 611(B) 5' V.F.	☼ MANHOLE FRAME & COVER EA.	INLET 611(G) CI DES. 2D EA.	CI DES. 3D EA.	GPI DES. 1 EA.	GPI DES. 2 EA.	GPI DES. 5 EA.	GPI DES. 6 EA.	GPI DES. 8 EA.	GPI DES. 9 EA.	GPI DES. 10 EA.	GPI DES. 12 EA.	CDI-B DES. 7 EA.	SMD TYPE 2 EA.	ADD'L. DEPTH IN INLET 611(H) CI DES. 2 V.F.	CI DES. 3 V.F.	G.P.I. TYPE I V.F.	G.P.I. TYPE II V.F.	☼ ADD'L. DEPTH IN SMD V.F.
41	1		1.74		1																	
42						1												1.84				
43						1												2.42				
44	1		1.16		1																	
45											1									1.60		
46									1											4.49		
47											1									0.37		
48																						
49																1						
50																						
51																	1					0.03
52																						
53																						
54																	1					0.26
55																						
56																						
57												1										
58																						
59																	1					0.88
60																						
61																						
62																						
63																						
64																						
65	1		0.25		1																	
66												1									0.37	
67																						
68																						
69																						
70										1												
BR. D																						
T1																						
T2																						
T3																						
T4																						
T5																						
T6																						
TOTALS	5	1	7.80	2.32	7	10	4	2	1	1	2	5	1	1	1	1	6	18.64	10.83	6.84	1.53	3.64

STRUCTURE NO.	☼ INLET FRAME & GRATE EA.	JUNCTION BOXES 611(L) C.F.	CICI ☼ 8" BARRIER EA.	R.C. PIPE CLASS III 613(A) 18" L.F.	24" L.F.	30" L.F.	36" L.F.	R.C. PIPE ARCH 613(A) 22"x13" L.F.	43"x26" L.F.	C.G.S.P. 613(B) 36"	48"	54"	72" L.F.	C.G.S.P. ARCH 613(B) 49"x33" L.F.	C.E.T. 613(M) A4 EA.	B4 EA.	D4 EA.	A6 EA.	B6 EA.	C6 EA.	P.C.E.S. 613(L) 24" EA.	PIPE RAILING 622(A) L.F.
41					62														1			
42	2		6	58																		
43	2		6	4																		
44				270																		
45						58																
46						116																
47						102																
48					72											1			1			
49																						
50				60											1			1				
51				88														1				
52					78											1			1			
53					54											1			1			
54								90										1				
55					146											1			1			
56																						
57					100														1			
58																						
59				82														1				
60				86														1				
61				88											1			1				
62				62											1			1				
63																						
64				64											1			1				
65				144																		
66					100											1						
67																						
68				130											1			1				
69																						
70					70																	
BR. D																						
T1													14									
T2													12									
T3														82								
T4											60											
T5												46										
T6										46												
TOTALS	36	115.45	92	2,030	1,804	786	136	90	332	46	60	46	26	82	11	8	1	15	10	1	1	209

☼ QUANTITY FIGURED FOR CONTRACTOR USE ONLY. COST INCLUDED IN OTHER ITEMS OF WORK.

(#6) RCB-C1-3&4&5(2-20)-01E, RCB-E1-H3-0-1-01E, RCB-E1-H3-0-2-01E, RCB-CW1-D4-0-01E

(#7) RCB-C2-6(2-12)-01E, RCB-E2-H3-0-1-01E, RCB-E2-H3-0-2-01E, RCB-CW2-D4-0-01E

(#8) RCB-C2-6(2-12)-01E, RCB-E2-H3-0-1-01E, RCB-E2-H3-0-2-01E, RCB-CW2-D4-0-01E

OKLAHOMA COUNTY

SUMMARY OF DRAINAGE STRUCTURES

State Job No. 14964(08) Sheet No. 21

S.H. 74