SUMMARY OF DRAINAGE STRUCTURES

Str. No.	Down St. Str. No.	Plan Sht. No.	CRL Station	Offset	Downstream Pipe Section	Description	Flowlines		Top of Grate (TG)	Tcp of Rim (TR)	Manholes				Junc.	Inlet C.I.		Box Type Inlet			Des. No. 5 Inlet	R.C.P.					P.C.E.S.	R.C.B.	Conc Headwall w/ wings
											4' Dia.	Added Depth 4' Dia.	5' Dia.	Added Depth 5' Dia.	STD	Design 2:0	Design 2:1	Box Type Inlet	No. of Openings	Inside Dim. (LxWxH)		Round 18"	Round 24"	Round 30"	Round 36"	Round 42"	42" Round	10' X 4'	10'x4' RCB
							In	Out			EA.	V.F.	EA.	V.F.	C.F.	EA.	EA.	EA.			EA.	LF.	LF.	LF.	LF.	LF.	EA.	LF.	EA.
1	2	18	12+44.79	30.0 ' RT.	58.00 LF 18" RCP @ 1.00%	Inlet Cl Des. 2 (STD)	---	1084.00	1087.01							1						58.00							
2	A-1	18	12+45.33	32.0 ' LT.	13.8 LF 18" RCP @ 1.00%	Inlet Cl Des. 2 (STD)	1083.44	1083.19	1087.01							1						13.80							
3	4A	18	14+27.70	47.0 ' LT.	82.8 LF 10'x4' RCB @ 0.50%	Box Type Inlet	1081.35	1078.41		1087.76								1	1	10'x4'x0.5'									
4A	Channel	18	14+26.84	0.0 CL	Conc. Lined Channel (See Plan Sht. 30)	10'x4' RCB w/ Wing & Headwall	1078.41	1077.38																				112.0	1
4	4A	18	14+27.36	24.0 ' LT.	Stub into Str. 4A - Prop. 10'x4' RCB	Inlet Cl Des. 2 (STD)	---	---	1085.87							1													
5	4A	18	14+26.52	30.0 ' RT.	Stub into Str. 4A - Prop. 10'x4' RCB	Inlet Cl Des. 2 (STD)	---	---	1085.87							1													
6	B-1	18	15+65.98	32.0 ' LT.	12.6 LF 18" RCP @ 1.00%	Inlet Cl Des. 2 (STD)	---	1083.87	1086.54							1						12.60							
7	B-1	18	17+95.63	43.2 ' LT.	225.8 LF 18" RCP @ 1.46%	Box Type Inlet	---	1087.03		1090.11								1	1	2.5'x2.5'x0.5'		225.80							
8	C-1	18	20+11.26	33.0 ' LT.	125.7 LF 18" RCP @ 2.60%	Des. No. 5 Inlet	---	1081.75	1087.41												1	125.70							
9	C-1	19	21+40.83	31.0 ' LT.	3.5 LF 18" RCP @ 1.00%	Inlet Cl Des. 2 (STD)	---	1078.52	1082.44							1						3.50							
10	C-2	19	23+13.08	31.0 ' LT.	3.6 LF 18" RCP @ 1.40%	Inlet Cl Des. 2 (STD)	---	1073.26	1076.58							1						3.60							
11	12	19	25+26.74	30.0 ' RT.	58 LF 18" RCP @ 1.00%	Inlet Cl Des. 2 (STD)	---	1069.18	1071.67							1						58.00							
12	C-3	19	25+26.74	32.0 ' LT.	2 LF 18" RCP @ 2.00%	Inlet Cl Des. 2 (STD)	1068.60	1068.51	1071.67							1						2.00							
13	C-4	19	27+79.45	24.0 ' LT.	9 LF 18" RCP @ 0.50%	Inlet Cl Des. 2 (STD)	---	1066.47	1069.35							1						9.00							
14	15	20	30+32.15	24.0 ' RT.	44 LF 18" RCP @ 1.00%	Inlet Cl Des. 2 (STD)	---	1064.75	1068.05							1						44.00							
15	C-5	20	30+32.15	24.0 ' LT.	8.5 LF 18" RCP @ 0.47%	Inlet Cl Des. 2 (STD)	1064.31	1064.31	1068.05							1						8.50							
16	17	20	32+75.28	24.0 ' RT.	44 LF 18" RCP @ 1.00%	Inlet Cl Des. 2 (STD)	---	1061.86	1064.65							1						44.00							
17	C-6	20	32+75.28	24.0 ' LT.	7.5 LF 18" RCP @0.50%	Inlet Cl Des. 2 (STD)	1061.42	1061.17	1064.65							1						7.50							
19	20	21	41+08.00	24.0 ' RT.	44 LF 18" RCP @ 0.52%	Inlet Cl Des. 2 (STD)	---	1062.90	1065.71							1						44.00							
20	E-1	21	41+08.00	24.0 ' LT.	5.4 LF 18" RCP @ 1.00%	Inlet Cl Des. 2 (STD)	1062.67	1062.42	1065.71							1						5.40							
21	F-2	21	42+58.00	57.5 'RT.	173.9 LF 36" RCP @ 0.40%	Box Type Inlet	---	1061.34		1066.00								1	4	4.5'x4.5'x1.25'					173.90				
22	F-2	21	44+31.95	24.0 'RT.	31.7 LF 18" RCP @ 1.86%	Inlet Cl Des. 2 (STD)	---	1062.66	1065.33							1						31.70							
23	F-3	21	46+99.65	58.5 'RT.	24.9 LF 36" RCP @ 0.48%	Box Type Inlet	1059.94	1059.94		1064.60								1	3	4.5'x4.5'x1.25'					24.90				
24	25	21	47+30.20	25.0 'RT.	44 LF 42" RCP @ 0.50%	Inlet Cl Des. 2 (STD)	1059.49	1059.49	1064.14							1										44.00			
25	F-4	21	47+30.20	24.0 ' LT.	5.9 LF 42" RCP @ 0.50%	Inlet Cl Des. 2 (STD)	1059.27	1059.27	1064.14							1										5.90			
26	27	22	50+02.00	24.0 'RT.	44 LF 18" RCP @ 0.50%	Inlet Cl Des. 2 (STD)	---	1062.66	1065.22							1						44.00							
27	G-1	22	50+02.00	24.0 ' LT.	4.7 LF 18" RCP @ 1.30%	Inlet Cl Des. 2 (STD)	1062.44	1062.17	1065.22							1						4.70							
A-1	3	18	12+45.49	48.5 ' LT.	175 LF 18" RCP @ 0.83%	4' Dia Manhole	1083.05	1082.80		1088.37	1	0.57										175.00							
B-1	3	18	15+66.14	47.3 ' LT.	131.5 LF 24" RCP @ 1.44%	5' Dia Manhole	1083.74	1083.24		1087.98			1										131.50						
C-1	C-2	19	21+40.83	36.2 ' LT.	168.3 24" RCP @ 3.13%	5' Dia Manhole	1078.48	1077.98		1083.10			1	0.12									168.30						
C-2	C-3	19	23+13.08	37.2 ' LT.	209.7 LF 24" RCP @ 2.55%	5' Dia Manhole	1072.71	1072.71		1077.10			1										209.70						
C-3	C-4	19	25+26.74	36.2 ' LT.	248.7 LF 30" RCP @ 0.69%	5' Dia Manhole	1068.37	1064.36		1072.17			1	2.81										248.70					
C-4	C-5	19	27+79.45	37.4 ' LT.	248.7 LF 30" RCP @ 0.69%	5' Dia Manhole	1062.63	1062.63		1069.73			1	2.10										248.70					
C-5	C-6	20	30+32.15	35.2 ' LT.	238.6 LF 30" RCP @ 0.69%	5' Dia Manhole	1060.90	1060.90		1068.55			1	2.65										238.60					
C-6	Creek	20	32+75.28	34.8 ' LT.	293.7 LF 36" RCP @ 1.06% Con. Ex. 36" RCP	6'x4' Junction Box	1059.25	1058.69		1065.55					91.47										293.70				
E-1	Creek	21	41+08.00	32.0 ' LT.	433.1 LF 18" RCP @ 1.19% stub thru wing wall	4' Dia Manhole	1062.37	1061.13		1066.21	1	0.08										433.10							
F-2	23	21	44+31.95	57.9 ' RT.	264.2 LF 36" RCP @ 0.46%	6'x6' Junction Box	1062.16	1060.66		1066.38					91.52										264.20				
F-3	24	21	47+29.54	58.8 ' RT.	29.8 LF 36" RCP @ 0.50%	6'x6' Junction Box	1059.82	1059.64		1065.16					88.32										29.80				
F-4	F-5	21	47+30.32	34.8 ' LT.	64.3 LF 42" RCP @ 0.50%	6'x6' Junction Box	1059.24	1059.24		1064.69					87.20											64.30			
F-5	Outlet	21-22	48+00.56	34.3 ' LT.	6.6 LF 42" RCP @ 0.50% w/ PCES	4' Dia Manhole	1060.92	1058.92		1064.97	1															6.60	1		
G-1	F-5	22	50+02.00	31.5 ' LT.	196.5 LF 18" RCP @ 0.50%	4' Dia Manhole	1062.11	1061.90		1065.82	1															196.50			
						Totals					4.00	0.65	6.00	7.68	358.51	21.00	0.00	4.00	---	---	1.00	1353.90	509.50	736.00	786.50	317.30	1.00	112.00	1.00

Note:
Des. No. 5 Inlet to tbe bid as ODOT 611(G) 4012 SPECIAL INLET DRAIN
Box Type Inlet to be bid as ODOT 611(G) 4012 SPECIAL INLET DRAIN

NORTH WESTERN AVE. OKLAHOMA CO.

DESIGN	KG	
DRAWN	NDA	
CHECKED	KA	
APPROVED		
SQUAD	MacArthur	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUMMARY SHEET (3)

STATE JOB NO. JP 30326(04) SHEET NO. 10

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