

LIST OF CULVERT
AND CONCRETE DITCH LINING

LIST OF CULVERTS

No.	STATION (KM)	EXISTING CULVERT			FLOW DIRECTION	PROPOSED CULVERTS		EXTENSION TO EXISTING			TOTAL LENGTH (m)	INLET/OUTLET STRUCTURE TYPE	REMARKS
		TYPE AND SIZE	CONDITION	LENGTH (m)		TYPE AND SIZE	LENGTH (m)	LEFT (m)	RIGHT (m)	EXTENSION LENGTH (m)			
1	268+142	PC,1.0 m	GOOD	17.00	L - R	-	-	-	-	-	17.00	- -	Remained as Existing
2	268+575	PC,1.0 m	GOOD	20.00	R - L	-	-	-	-	-	20.00	- -	Remained as Existing
3	269+055	PC,1.0 m	GOOD	18.00	L - R	-	-	-	-	-	18.00	- -	Remained as Existing
4	269+356	PC,1.0 m	GOOD	19.00	L - R	-	-	-	-	-	19.00	- -	Remained as Existing
5	269+817	PC,1.0 m	FAIR	17.00	R - L	-	-	-	-	-	17.00	- -	Remained as Existing
6	270+194	PC,1.0 m	GOOD	20.00	L - R	-	-	-	-	-	20.00	- -	Remained as Existing
7	270+519	PC,1.0 m	GOOD	21.00	L - R	-	-	-	-	-	21.00	- -	Remained as Existing
8	270+606	PC,1.0 m	GOOD	25.00	L - R	-	-	-	-	-	25.00	- -	Remained as Existing
9	271+110	PC,1.0 m	GOOD	19.00	R - L	-	-	-	-	-	19.00	- -	Remained as Existing
10	271+488	PC,1.0 m	GOOD	15.00	R - L	-	-	1.00	-	1.00	16.00	HW -	To be Extended
11	271+777	PC,1.0 m	GOOD	17.00	L - R	-	-	-	-	-	17.00	- -	Remained as Existing
12	272+853	2PC,1.5 m	GOOD	22.00	R - L	-	-	-	-	-	44.00	- -	Remained as Existing
13	273+031	2PC,1.5 m	GOOD	25.00	R - L	-	-	-	-	-	50.00	- -	Remained as Existing
14	273+521	PC,1.0 m	GOOD	19.00	R - L	-	-	-	-	-	19.00	- -	Remained as Existing
15	273+718	PC,1.0 m	GOOD	22.00	R - L	-	-	-	-	-	22.00	- -	Remained as Existing
16	274+118	PC,1.0 m	GOOD	19.00	R - L	-	-	-	-	-	19.00	- -	Remained as Existing
17	274+309	PC,1.0 m	GOOD	25.00	R - L	-	-	-	-	-	25.00	- -	Remained as Existing
18	274+392	PC,1.0 m	GOOD	18.00	L - R	-	-	-	-	-	18.00	- -	Remained as Existing
19	274+838	PC,1.0 m	GOOD	17.00	R - L	-	-	-	-	-	17.00	- -	Remained as Existing
20	275+143	PC,1.0 m	GOOD	21.00	R - L	-	-	-	-	-	21.00	- -	Remained as Existing
21	275+272	PC,1.0 m	GOOD	20.00	R - L	-	-	-	-	-	20.00	- -	Remained as Existing
22	275+465	PC,1.0 m	GOOD	23.00	R - L	-	-	-	-	-	23.00	- -	Remained as Existing
23	275+597	PC,1.0 m	GOOD	26.00	R - L	-	-	-	-	-	26.00	- -	Remained as Existing
24	275+762	PC,1.0 m	GOOD	23.00	R - L	-	-	-	-	-	23.00	- -	Remained as Existing
25	276+095	PC,1.0 m	GOOD	22.00	R - L	-	-	-	-	-	22.00	- -	Remained as Existing
26	276+384	PC,1.0 m	GOOD	26.00	R - L	-	-	-	-	-	26.00	- -	Remained as Existing
27	276+528	PC,1.0 m	FAIR	18.00	R - L	-	-	-	-	-	18.00	- -	Remained as Existing
28	276+818	PC,1.0 m	GOOD	19.00	R - L	-	-	-	-	-	19.00	- -	Remained as Existing
29	277+461	PC,1.5 m	GOOD	24.00	L - R	-	-	-	-	-	24.00	- -	Remained as Existing
30	277+625	PC,1.0 m	GOOD	18.00	R - L	-	-	-	-	-	18.00	- -	Remained as Existing
31	277+835	PC,1.0 m	GOOD	19.00	L - R	-	-	-	-	-	19.00	- -	Remained as Existing
32	278+018	PC,1.0 m	GOOD	19.00	R - L	-	-	-	-	-	19.00	- -	Remained as Existing
33	278+140	PC,1.0 m	GOOD	23.00	R - L	-	-	-	-	-	23.00	- -	Remained as Existing
34	278+292	PC,1.0 m	GOOD	18.00	R - L	-	-	-	-	-	18.00	- -	Remained as Existing
35	278+387	PC,1.0 m	GOOD	22.00	R - L	-	-	-	-	-	22.00	- -	Remained as Existing
36	278+677	PC,1.0 m	GOOD	23.00	R - L	-	-	-	-	-	23.00	- -	Remained as Existing
37	279+043	PC,1.0 m	GOOD	20.00	R - L	-	-	-	-	-	20.00	- -	Remained as Existing
38	279+167	PC,1.0 m	GOOD	17.00	R - L	-	-	-	-	-	17.00	- -	Remained as Existing
39	279+461	PC,1.0 m	GOOD	22.00	R - L	-	-	-	-	-	22.00	- -	Remained as Existing
40	279+678	PC,1.0 m	GOOD	20.00	R - L	-	-	-	-	-	20.00	- -	Remained as Existing



ລັດວິສາຫະກິດ ວິສະວະກຳ ຄົມມະນາຄົມ
LAO TRANSPORT ENGINEERING CONSULTANT

LAO ROAD SECTOR PROJECT 2 (LRSP2)
Consulting Services for Conceptual Engineering Design of
Improvement & Maintenance of NR 13 South from KM 71 to KM 346

LIST OF CULVERTS
Km 268+142 - Km 279+678

REV.	DATE	DESCRIPTION	APPROVED	NAME	SIGNATURE	LTEC CODE: SD-283-19
			DESIGNED	Mr.Souksavanh SYPHAKHAM		DATE: May, 2020
			CHECKED	Mr.Khamphone SORPHABMIXAY		DRW No. LDD-01
			APPROVED	Mr.Vandy VORASACK		SCALE: NOT TO SCALE

LIST OF CULVERTS

No.	STATION (KM)	EXISTING CULVERT			FLOW DIRECTION	PROPOSED CULVERTS		EXTENSION TO EXISTING			TOTAL LENGTH (m)	INLET/OUTLET STRUCTURE TYPE		REMARKS
		TYPE AND SIZE	CONDITION	LENGTH (m)		TYPE AND SIZE	LENGTH (m)	LEFT (m)	RIGHT (m)	EXTENSION LENGTH (m)				
41	279+777	PC,1.0 m	GOOD	18.00	R - L	-	-	-	-	-	18.00	- -	Remained as Existing	
42	279+909	PC,1.0 m	GOOD	22.00	R - L	-	-	-	-	-	22.00	- -	Remained as Existing	
43	280+158	2PC,1.0 m	GOOD	36.00	L - R	-	-	-	-	-	72.00	- -	Remained as Existing	
44	280+682	PC,1.5 m	GOOD	38.00	R - L	-	-	-	-	-	38.00	- -	Remained as Existing	
45	281+408	PC,1.0 m	GOOD	21.00	L - R	-	-	-	-	-	21.00	- -	Remained as Existing	
46	282+055	PC,1.0 m	GOOD	19.00	R - L	-	-	-	-	-	19.00	- -	Remained as Existing	
47	282+282	PC,1.0 m	GOOD	26.00	L - R	-	-	-	-	-	26.00	- -	Remained as Existing	
48	282+631	PC,1.0 m	GOOD	17.00	R - L	-	-	-	-	-	17.00	- -	Remained as Existing	
49	283+144	BC,1x1m	GOOD	9.00	R - L	-	-	3.50	3.50	7.00	16.00	HW HW	To be Extended	
50	283+237	2PC,1.0 m	GOOD	18.00	L - R	-	-	-	-	-	36.00	- -	Remained as Existing	
51	283+843	2PC,1.0 m	GOOD	22.00	L - R	-	-	-	-	-	44.00	- -	Remained as Existing	
52	283+932	PC,1.0 m	GOOD	17.00	L - R	-	-	-	-	-	17.00	- -	Remained as Existing	
53	284+231	2PC,1.0 m	FAIR	27.00	L - R	-	-	-	-	-	54.00	- -	Remained as Existing	
54	284+471	PC,1.0 m	GOOD	28.00	L - R	-	-	-	-	-	28.00	- -	Remained as Existing	
55	285+070	PC,1.0 m	GOOD	30.00	R - L	-	-	-	-	-	30.00	- -	Remained as Existing	
56	285+784	2PC,1.0 m	FAIR	27.00	R - L	-	-	-	-	-	54.00	- -	Remained as Existing	
57	286+543	2PC,1.0 m	FAIR	23.00	R - L	-	-	-	-	-	46.00	- -	Remained as Existing	
58	287+098	PC,1.0 m	GOOD	23.00	L - R	-	-	-	-	-	23.00	- -	Remained as Existing	
59	287+305	PC,1.0 m	GOOD	22.00	L - R	-	-	-	-	-	22.00	- -	Remained as Existing	
60	288+999	PC,1.0 m	GOOD	24.00	R - L	-	-	-	-	-	24.00	- -	Remained as Existing	
61	289+246	PC,1.0 m	GOOD	23.00	R - L	-	-	-	-	-	23.00	- -	Remained as Existing	
62	289+631	PC,1.0 m	GOOD	21.00	R - L	-	-	-	-	-	21.00	- -	Remained as Existing	
63	289+986	2PC,1.0 m	GOOD	19.00	R - L	-	-	-	-	-	38.00	- -	Remained as Existing	
64	290+818	BC,1x1m	GOOD	11.00	L - R	-	-	2.50	2.50	5.00	16.00	HW HW	To be Extended	
65	291+035	BC,1x1m	GOOD	11.00	L - R	-	-	2.50	2.50	5.00	16.00	HW HW	To be Extended	
66	291+526	BC,1x1m	GOOD	11.00	R - L	-	-	1.00	2.00	3.00	14.00	HW HW	To be Extended	
67	292+026	2PC,1.0 m	GOOD	23.00	R - L	-	-	-	-	-	46.00	- -	Remained as Existing	
68	292+553	2PC,1.0 m	GOOD	19.00	R - L	-	-	-	-	-	38.00	- -	Remained as Existing	
69	293+249	PC,1.0 m	GOOD	22.00	R - L	-	-	-	-	-	22.00	- -	Remained as Existing	
70	294+033	PC,1.0 m	GOOD	19.00	R - L	-	-	-	-	-	19.00	- -	Remained as Existing	
71	294+599	PC,1.0 m	GOOD	18.00	R - L	-	-	-	-	-	18.00	- -	Remained as Existing	
72	295+732	2PC,1.0 m	GOOD	21.00	R - L	-	-	-	-	-	42.00	- -	Remained as Existing	
73	296+077	PC,1.0 m	GOOD	21.00	R - L	-	-	-	-	-	21.00	- -	Remained as Existing	
74	296+843	2PC,1.0 m	GOOD	22.00	L - R	-	-	-	-	-	44.00	- -	Remained as Existing	
75	297+175	3BC,5x5m	GOOD	14.00	L - R	-	-	-	-	-	14.00	HW HW	Remained as Existing	
76	297+473	2PC,1.0 m	GOOD	20.00	L - R	-	-	-	-	-	40.00	- -	Remained as Existing	
77	297+750	3BC,5x5m	GOOD	14.00	L - R	-	-	-	-	-	14.00	HW HW	Remained as Existing	
78	298+057	PC,1.0 m	GOOD	21.00	L - R	-	-	-	-	-	21.00	- -	Remained as Existing	
79	300+182	PC,1.0 m	GOOD	19.00	L - R	-	-	-	-	-	19.00	- -	Remained as Existing	
80	300+633	PC,1.0 m	GOOD	19.00	R - L	-	-	-	-	-	19.00	- -	Remained as Existing	

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LIST OF CULVERTS
Km 279+777 - Km 300+633

REV.	DATE	DESCRIPTION	APPROVED	NAME	SIGNATURE	LTEC CODE: SD-283-19
			DESIGNED	Mr.Souksavanh SYPHAKHAM		DATE: May, 2020
			CHECKED	Mr.Khamphone SORPHABMIXAY		DRW No. LDD-02
			APPROVED	Mr.Vandy VORASACK		SCALE: NOT TO SCALE

LIST OF CULVERTS

No.	STATION (KM)	EXISTING CULVERT			FLOW DIRECTION	PROPOSED CULVERTS		EXTENSION TO EXISTING			TOTAL LENGTH (m)	INLET/OUTLET STRUCTURE TYPE		REMARKS
		TYPE AND SIZE	CONDITION	LENGTH (m)		TYPE AND SIZE	LENGTH (m)	LEFT (m)	RIGHT (m)	EXTENSION LENGTH (m)				
81	301+182	3BC,4x3.5m	GOOD	11.00	L - R	-	-	-	-	-	11.00	HW HW	Remained as Existing	
82	301+932	3BC,4x3.5m	GOOD	11.00	L - R	-	-	-	-	-	11.00	HW HW	Remained as Existing	
83	303+075	PC,1.0 m	GOOD	20.00	L - R	-	-	-	-	-	20.00	- -	Remained as Existing	
84	303+759	2PC,1.0 m	GOOD	20.00	L - R	-	-	-	-	-	40.00	- -	Remained as Existing	
85	304+988	3BC,4x3.5m	GOOD	10.00	L - R	-	-	-	-	-	10.00	HW HW	Remained as Existing	
86	307+753	PC,1.0 m	GOOD	20.00	L - R	-	-	-	-	-	20.00	- -	Remained as Existing	
87	308+109	PC,1.0 m	GOOD	22.00	L - R	-	-	-	-	-	22.00	- -	Remained as Existing	
88	308+528	PC,1.0 m	GOOD	22.00	R - L	-	-	-	-	-	22.00	- -	Remained as Existing	
89	309+146	PC,1.0 m	GOOD	23.00	R - L	-	-	-	-	-	23.00	- -	Remained as Existing	
90	309+330	PC,1.0 m	GOOD	21.00	R - L	-	-	-	-	-	21.00	- -	Remained as Existing	
91	310+353	PC,1.0 m	GOOD	22.00	L - R	-	-	-	-	-	22.00	- -	Remained as Existing	
92	311+637	PC,1.0 m	GOOD	20.00	L - R	-	-	-	-	-	20.00	- -	Remained as Existing	
93	312+103	PC,1.0 m	GOOD	22.00	L - R	-	-	-	-	-	22.00	- -	Remained as Existing	
94	312+570	PC,1.0 m	GOOD	20.00	L - R	-	-	-	-	-	20.00	- -	Remained as Existing	
95	313+157	PC,1.0 m	GOOD	18.00	L - R	-	-	-	-	-	18.00	- -	Remained as Existing	
96	313+229	PC,1.0 m	GOOD	20.00	L - R	-	-	-	-	-	20.00	- -	Remained as Existing	
97	314+009	BC,1x1m	GOOD	11.00	R - L	-	-	2.00	2.00	4.00	15.00	HW HW	To be Extended	
98	314+356	PC,1.0 m	GOOD	23.00	R - L	-	-	-	-	-	23.00	- -	Remained as Existing	
99	315+244	3BC,5x5m	GOOD	14.00	L - R	-	-	-	-	-	15.00	HW HW	Remained as Existing	
100	315+658	PC,1.0 m	GOOD	26.00	L - R	-	-	-	-	-	26.00	- -	Remained as Existing	
101	315+891	PC,1.0 m	GOOD	21.00	L - R	-	-	-	-	-	21.00	- -	Remained as Existing	
102	316+127	PC,1.0 m	GOOD	23.00	L - R	-	-	-	-	-	23.00	- -	Remained as Existing	
103	316+366	PC,1.0 m	GOOD	23.00	L - R	-	-	-	-	-	23.00	- -	Remained as Existing	
104	316+658	PC,1.0 m	GOOD	22.00	L - R	-	-	-	-	-	22.00	- -	Remained as Existing	
105	316+878	2PC,1.0 m	GOOD	22.00	L - R	-	-	-	-	-	44.00	- -	Remained as Existing	
106	317+084	2PC,1.0 m	GOOD	22.00	L - R	-	-	-	-	-	44.00	- -	Remained as Existing	
107	317+223	2PC,1.0 m	GOOD	23.00	L - R	-	-	-	-	-	46.00	- -	Remained as Existing	
108	317+595	PC,1.0 m	GOOD	22.00	L - R	-	-	-	-	-	22.00	- -	Remained as Existing	
109	318+035	2PC,1.0 m	GOOD	27.00	L - R	-	-	-	-	-	54.00	- -	Remained as Existing	
110	318+343	2PC,1.0 m	GOOD	32.00	L - R	-	-	-	-	-	64.00	- -	Remained as Existing	
111	318+822	PC,1.0 m	FAIR	22.00	L - R	-	-	-	-	-	22.00	- -	Remained as Existing	
112	319+873	BC,2x2m	GOOD	25.00	L - R	-	-	-	-	-	25.00	HW HW	Remained as Existing	
113	320+938	PC,0.6 m	GOOD	18.00	L - R	PC,1.0 m	18.00	-	-	-	18.00	HW HW	Replaced by new	
114	321+164	PC,1.0 m	GOOD	20.00	L - R	-	-	-	-	-	20.00	- -	Remained as Existing	
115	321+469	PC,0.6 m	GOOD	18.00	L - R	PC,1.0 m	18.00	-	-	-	18.00	HW HW	Replaced by new	
116	321+731	PC,1.0 m	GOOD	24.00	L - R	-	-	-	-	-	24.00	- -	Remained as Existing	
117	322+496	PC,1.0 m	GOOD	17.00	L - R	-	-	-	-	-	17.00	- -	Remained as Existing	
118	322+555	PC,1.0 m	GOOD	27.00	L - R	-	-	-	-	-	27.00	- -	Remained as Existing	
119	323+558	PC,1.0 m	GOOD	21.00	L - R	-	-	-	-	-	21.00	- -	Remained as Existing	
120	323+660	PC,1.0 m	GOOD	21.00	R - L	-	-	-	-	-	21.00	- -	Remained as Existing	



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LAO TRANSPORT ENGINEERING CONSULTANT
ISO 9001:2015 CERTIFIED

LAO ROAD SECTOR PROJECT 2 (LRSP2)
Consulting Services for Conceptual Engineering Design of
Improvement & Maintenance of NR 13 South from KM 71 to KM 346

LIST OF CULVERTS
Km 301+182 - Km 323+660

REV.	DATE	DESCRIPTION	APPROVED	NAME	SIGNATURE	LTEC CODE: SD-283-19
			DESIGNED	Mr.Souksavanh SYPHAKHAM		DATE: May, 2020
			CHECKED	Mr.Khamphone SORPHABMIXAY		DRW No. LDD-03
			APPROVED	Mr.Vandy VORASACK		SCALE: NOT TO SCALE

LIST OF CULVERTS

No.	STATION (KM)	EXISTING CULVERT			FLOW DIRECTION	PROPOSED CULVERTS		EXTENSION TO EXISTING			TOTAL LENGTH (m)	INLET/OUTLET STRUCTURE TYPE		REMARKS
		TYPE AND SIZE	CONDITION	LENGTH (m)		TYPE AND SIZE	LENGTH (m)	LEFT (m)	RIGHT (m)	EXTENSION LENGTH (m)				
121	323+882	PC,1.0 m	FAIR	10.00	R - L	-	-	23.00	1.00	24.00	34.00	HW HW	To be Extended	
122	324+344	PC,0.6 m	FAIR	24.00	L - R	PC,1.0 m	24.00	-	-	-	24.00	HW HW	Replaced by new	
123	324+677	PC,1.0 m	FAIR	23.00	L - R	-	-	-	-	-	23.00	- -	Remained as Existing	
124	324+979	PC,0.6 m	GOOD	20.00	L - R	PC,1.0 m	20.00	-	-	-	20.00	HW HW	Replaced by new	
125	325+250	PC,0.6 m	GOOD	18.00	L - R	PC,1.0 m	18.00	-	-	-	18.00	HW HW	Replaced by new	
126	325+498	PC,0.6 m	GOOD	18.00	L - R	PC,1.0 m	18.00	-	-	-	18.00	HW HW	Replaced by new	
127	326+159	PC,1.0 m	FAIR	14.00	L - R	-	-	3.00	3.00	6.00	20.00	HW HW	To be Extended	
128	328+917	PC,1.0 m	GOOD	26.00	L - R	-	-	-	-	-	26.00	- -	Remained as Existing	
129	330+579	PC,1.0 m	POOR	14.00	L - R	PC,1.0 m	16.00	-	-	-	16.00	HW HW	Replaced by new	
130	336+083	PC,1.5 m	GOOD	27.00	R - L	-	-	-	-	-	27.00	- -	Remained as Existing	
131	336+321	PC,0.6 m	POOR	25.00	L - R	PC,1.0 m	25.00	-	-	-	25.00	HW HW	Replaced by new	
132	336+720	PC,1.0 m	GOOD	22.00	L - R	-	-	-	-	-	22.00	- -	Remained as Existing	
133	336+998	PC,1.5 m	GOOD	30.00	L - R	-	-	-	-	-	30.00	- -	Remained as Existing	
134	337+774	BC,3x3m	GOOD	17.00	R - L	-	-	2.00	4.00	6.00	23.00	HW HW	To be Extended	
135	337+919	PC,1.5 m	FAIR	26.00	L - R	-	-	-	-	-	26.00	- -	Remained as Existing	
136	337+997	2PC,1.5 m	GOOD	26.00	L - R	-	-	-	-	-	52.00	- -	Remained as Existing	
137	338+058	PC,1.0 m	GOOD	24.00	L - R	-	-	-	-	-	24.00	- -	Remained as Existing	
138	338+490	2PC,1.5 m	GOOD	23.00	L - R	-	-	-	-	-	46.00	- -	Remained as Existing	
139	338+678	PC,1.0 m	GOOD	19.00	L - R	-	-	-	-	-	19.00	- -	Remained as Existing	
140	339+928	PC,1.0 m	POOR	17.00	L - R	PC,1.0 m	17.00	-	-	-	17.00	HW HW	Replaced by new	
141	340+449	PC,1.0 m	FAIR	22.00	L - R	-	-	-	-	-	22.00	- -	Remained as Existing	
142	340+778	BC,2x2m	GOOD	10.50	L - R	-	-	2.00	2.00	4.00	14.50	HW HW	To be Extended	
143	341+201	PC,1.0 m	GOOD	21.00	L - R	-	-	-	-	-	21.00	- -	Remained as Existing	
144	341+740	3PC,1.0 m	GOOD	21.00	L - R	-	-	-	-	-	63.00	- -	Remained as Existing	
145	342+400	BC,2x2m	GOOD	12.00	L - R	-	-	1.00	1.50	2.50	14.50	HW HW	To be Extended	
146	343+067	BC,2.5x2.5m	GOOD	10.00	R - L	-	-	2.00	3.00	5.00	15.00	HW HW	To be Extended	
147	343+487	PC,1.0 m	GOOD	16.00	R - L	-	-	-	-	-	16.00	- -	Remained as Existing	
148	343+658	PC,1.0 m	POOR	16.00	L - R	PC,1.0 m	16.00	-	-	-	16.00	HW HW	Replaced by new	
149	343+966	2PC,1.0 m	POOR	16.00	L - R	2PC,1.0 m	32.00	-	-	-	32.00	HW HW	Replaced by new	
150	344+489	2BC,2x2.5m	GOOD	10.00	L - R	-	-	2.00	2.00	4.00	14.00	HW HW	To be Extended	
151	345+249	PC,1.0 m	FAIR	18.00	L - R	-	-	-	-	-	18.00	- -	Remained as Existing	
152	345+913	BC,1x1m	FAIR	10.00	L - R	-	-	3.00	5.00	8.00	18.00	HW HW	To be Extended	

LAO ROAD SECTOR PROJECT 2 (LRSP2)
 Consulting Services for Conceptual Engineering Design of
 Improvement & Maintenance of NR 13 South from KM 71 to KM 346

LIST OF CULVERTS
 Km 323+882 - Km 345+913

REV.	DATE	DESCRIPTION	APPROVED	NAME	SIGNATURE	LTEC CODE: SD-283-19
			DESIGNED	Mr.Souksavanh SYPHAKHAM		DATE: May, 2020
			CHECKED	Mr.Khamphone SORPHABMIXAY		DRW No. LDD-04
			APPROVED	Mr.Vandy VORASACK		SCALE: NOT TO SCALE