

DATA TAPPING DAN PAIP PERHUBUNGAN

PROGRAM PENGGANTIAN PAIP LAMA TAHUN 2020

Nama Projek : PROGRAM PENGGANTIAN PAIP LAMA BAGI TAHUN 2020

Nama Kontraktor : JALUR CAHAYA SDN BHD

Bil	Pipe	Size (mm)	No. Meter	No Rumah	Comm Pipe (m)		Lintas Parit		Bawah Jalan			Korekan (m2)			Catatan
					PA Pipe (m)	Poly Pipe (m)	GI Sleeve (m)	Stainless Steel (m)	Open Trench (m)	GI Sleeve (m)	Impact Molling	Jubin	Konkrit	Longkang	
1	UPVC	150	13A02940	✓		6.30	✓								
2	UPVC	150	17A70101	✓		3.30	✓								
3	UPVC	150	21H36711	✓		5.30	✓								
4	UPVC	150	22A22816	✓		4.50	✓								
5	UPVC	150	21A04594	✓		6.20	✓								
6	UPVC	150	22H07545	✓		6.40	✓								
7	UPVC	150	17A71696	✓		7.10	✓								
8	UPVC	150	14C575041	✓		8.30	✓								
9	UPVC	150	14A42350	✓		6.10	✓								
10	UPVC	150	17A71695	✓		6.00	✓								
11	UPVC	150	17A71694	✓		6.70	✓								
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															
25															
26															
27															
28															
29															
30															
					0.00	66.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Disiapkan Oleh :

Kontraktor 
Cop: **NORSILAWATI BINTI ALI**
Engineer



Disemak Oleh :

Inspektor Kontrak (P) 
Cop: **MUHAMAD AZRI BIN ABDUL AZIZ**
INSPEKTOR KONTRAK PONTIAN
JABATAN PROJEK
RANHILL SAJ SDN. BHD.

Disahkan Oleh :

Eksekutif 
Cop: **MUHAMAD AZRI BIN ABDUL AZIZ**
EKSEKUTIF
JABATAN PROJEK
RANHILL SAJ SDN BHD.

ELECTRO-FUSION MACHINE REPORT (COMM PIPE)

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 - API API
DATE	31/12/2022 (SABTU)
LOCATION	13 - JALAN PT KASAN

138	31.12.22	11:16	29.3°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.706 Ohm	5.5 kJ	✓ OK
139	31.12.22	11:25	30.1°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.734 Ohm	5.4 kJ	✓ OK
140	31.12.22	11:35	30.7°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.710 Ohm	5.5 kJ	✓ OK
141	31.12.22	11:42	30.5°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.732 Ohm	5.4 kJ	✓ OK
142	31.12.22	11:50	30.7°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.732 Ohm	5.4 kJ	✓ OK
143	31.12.22	11:58	30.9°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.722 Ohm	5.4 kJ	✓ OK
144	31.12.22	12:06	31.1°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.736 Ohm	5.4 kJ	✓ OK
145	31.12.22	12:15	31.8°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.714 Ohm	5.5 kJ	✓ OK
146	31.12.22	12:23	32.1°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.696 Ohm	5.5 kJ	✓ OK
147	31.12.22	12:33	32.3°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.754 Ohm	5.4 kJ	✓ OK
148	31.12.22	12:41	31.8°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.737 Ohm	5.4 kJ	✓ OK
149	31.12.22	12:52	30.9°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.722 Ohm	5.4 kJ	✓ OK
150	31.12.22	14:56	34.5°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.751 Ohm	5.4 kJ	✓ OK
151	31.12.22	15:04	34.4°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.741 Ohm	5.4 kJ	✓ OK



04.01.2023, 15:55

- 6 / 9 -

No.	Date	Time	T	MFG	Type	Diameter	V	Time Fus	R	E	Result
152	31.12.22	15:11	34.6°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.737 Ohm	5.4 kJ	✓ OK
153	31.12.22	15:18	33.7°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.709 Ohm	5.5 kJ	✓ OK
154	31.12.22	15:25	33.4°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.712 Ohm	5.5 kJ	✓ OK
155	31.12.22	15:32	32.7°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.727 Ohm	5.5 kJ	✓ OK
156	31.12.22	15:52	32.3°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.722 Ohm	5.4 kJ	✓ OK
157	31.12.22	16:01	34.4°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.747 Ohm	5.4 kJ	✓ OK
158	31.12.22	16:07	34.5°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.737 Ohm	5.4 kJ	✓ OK
159	31.12.22	16:13	34.1°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.727 Ohm	5.4 kJ	✓ OK

Disedjakan Oleh:


KONTRAKTOR
Zaidi Bin Abdullah Samari
Engineer

Disemak Oleh:


Inspektor Kontrak (D)
MUHAMMAD AZRI BIN ABDUL AZIZ
INSPEKTOR KONTRAK PONTIAN
JABATAN PROJEK
RANHILL SAJ SDN. BHD.

Disahkan Oleh:


Eksekutif
NORSILAWATI BINTI ALI
EKSEKUTIF
JABATAN PROJEK
RANHILL SAJ SDN. BHD.

Projek:	PROGRAM PENGANTIAN PAIP LAMA BAGI TAHUN 2020 - PAKET 2
Nama :	SHARUDIN BIN HASSAN
No sijil:	199
Nama syarikat:	JALUR CAHAYA SDN BHD
Tarikh dan Masa:	31/12/2022

KRITERIA	✓	X
KEADAAN TAPAK		
Kawasan tapak berada dalam keadaan yang bersih dan kering.	/	
KEADAAN BAHAN DAN PERALATAN		
Peralatan berada dalam keadaan baik dan bersih.	/	
Fittings berada dalam bungkusan? Jika ya, periksa fittings jika terdapat kerosakan. Jika tidak, reject fittings.	/	
Peralatan adalah mencukupi sebelum kerja penyambungan dilakukan.		
- Fusion machine	/	
- Universal pipe cutter	/	
- Rotational pipe scraper	/	
- Marker	/	
- Isopropyl Alcohol (IPA)	/	
- Kain bersih	/	
- Generator	/	
Kawasan penyambungan paip berada dalam keadaan yang bersih dan kering.	/	
PEMERIKSAAN SELEPAS PROSES PENYAMBUNGAN ELECTRO-FUSION		
1) Melt indicator pada fittings timbul.		
Nama Jalan: PN 12/13 - JLN PJ KASAN		
	✓	X
Joint No. = 138	/	
Joint No. = 139	/	
Joint No. = 140	/	
Joint No. = 141	/	
Joint No. = 142	/	
Joint No. = 143	/	
Joint No. = 144	/	
Joint No. = 145	/	
Joint No. = 146	/	
Joint No. = 147	/	
Joint No. = 148	/	
Joint No. = 149	/	
Joint No. = 150	/	
Joint No. = 151	/	
Joint No. = 152	/	
Joint No. = 153	/	
Joint No. = 154	/	
Joint No. = 155	/	
Joint No. = 156	/	
Joint No. = 157	/	
2) Hujung paip dipotong dengan tegak dan lurus.		
Nama Jalan: PN 12/13 - JLN PJ KASAN		
	✓	X
Joint No. = 138	/	
Joint No. = 139	/	
Joint No. = 140	/	
Joint No. = 141	/	
Joint No. = 142	/	
Joint No. = 143	/	
Joint No. = 144	/	
Joint No. = 145	/	
Joint No. = 146	/	
Joint No. = 147	/	
Joint No. = 148	/	
Joint No. = 149	/	
Joint No. = 150	/	
Joint No. = 151	/	
Joint No. = 152	/	
Joint No. = 153	/	
Joint No. = 154	/	
Joint No. = 155	/	
Joint No. = 156	/	
Joint No. = 157	/	

3) Penyambungan paip yang dilakukan berada dalam keadaan selari.

Nama Jalan: PN12/13 - JLN PT KASAN

	✓	X		✓	X
Joint No. = 138	/		Joint No. = 148	/	
Joint No. = 139	/		Joint No. = 149	/	
Joint No. = 140	/		Joint No. = 150	/	
Joint No. = 141	/		Joint No. = 151	/	
Joint No. = 142	/		Joint No. = 152	/	
Joint No. = 143	/		Joint No. = 153	/	
Joint No. = 144	/		Joint No. = 154	/	
Joint No. = 145	/		Joint No. = 155	/	
Joint No. = 146	/		Joint No. = 156	/	
Joint No. = 147	/		Joint No. = 157	/	

4) Kawasan yang telah dikikis (scrapped) boleh dilihat.

Nama Jalan: PN12/13 - JLN PT KASAN

	✓	X		✓	X
Joint No. = 138	/		Joint No. = 148	/	
Joint No. = 139	/		Joint No. = 149	/	
Joint No. = 140	/		Joint No. = 150	/	
Joint No. = 141	/		Joint No. = 151	/	
Joint No. = 142	/		Joint No. = 152	/	
Joint No. = 143	/		Joint No. = 153	/	
Joint No. = 144	/		Joint No. = 154	/	
Joint No. = 145	/		Joint No. = 155	/	
Joint No. = 146	/		Joint No. = 156	/	
Joint No. = 147	/		Joint No. =	/	

5) Tanda pada paip (penetration depth) tepat dan boleh dilihat.

Nama Jalan: PN12/13 - JLN PT KASAN

	✓	X		✓	X
Joint No. = 138	/		Joint No. = 148	/	
Joint No. = 139	/		Joint No. = 149	/	
Joint No. = 140	/		Joint No. = 150	/	
Joint No. = 141	/		Joint No. = 151	/	
Joint No. = 142	/		Joint No. = 152	/	
Joint No. = 143	/		Joint No. = 153	/	
Joint No. = 144	/		Joint No. = 154	/	
Joint No. = 145	/		Joint No. = 155	/	
Joint No. = 146	/		Joint No. = 156	/	
Joint No. = 147	/		Joint No. = 157	/	

6) Tiada kesan percikan paip yang telah cair atau apa-apa kerosakan pada permukaan luar paip yang telah disambung.

Nama Jalan: PN12/13 - JLN PT KASAN

	✓	X		✓	X
Joint No. = 138	/		Joint No. = 148	/	
Joint No. = 139	/		Joint No. = 149	/	
Joint No. = 140	/		Joint No. = 150	/	
Joint No. = 141	/		Joint No. = 151	/	
Joint No. = 142	/		Joint No. = 152	/	
Joint No. = 143	/		Joint No. = 153	/	
Joint No. = 144	/		Joint No. = 154	/	
Joint No. = 145	/		Joint No. = 155	/	
Joint No. = 146	/		Joint No. = 156	/	
Joint No. = 147	/		Joint No. = 157	/	

7) Paip dan fittings yang disambung dibiarkan untuk sejuk mengikut tempoh masa yang ditetapkan.

Nama Jalan: PN12/13 - JLN PT KASAU

	✓	X		✓	X
Joint No. = 138	/		Joint No. = 148	/	
Joint No. = 139	/		Joint No. = 149	/	
Joint No. = 140	/		Joint No. = 150	/	
Joint No. = 141	/		Joint No. = 151	/	
Joint No. = 142	/		Joint No. = 152	/	
Joint No. = 143	/		Joint No. = 153	/	
Joint No. = 144	/		Joint No. = 154	/	
Joint No. = 145	/		Joint No. = 155	/	
Joint No. = 146	/		Joint No. = 156	/	
Joint No. = 147	/		Joint No. = 157	/	

ADAKAH PENYAMBUNGAN ELECTRO-FUSION INI DITERIMA?
(Jika TIDAK, sila nyatakan ulasan di ruangan yang disediakan)

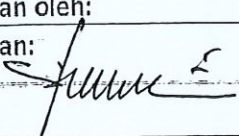
	✓	X		✓	X
Joint No. = 138	/		Joint No. = 148	/	
Joint No. = 139	/		Joint No. = 149	/	
Joint No. = 140	/		Joint No. = 150	/	
Joint No. = 141	/		Joint No. = 151	/	
Joint No. = 142	/		Joint No. = 152	/	
Joint No. = 143	/		Joint No. = 153	/	
Joint No. = 144	/		Joint No. = 154	/	
Joint No. = 145	/		Joint No. = 155	/	
Joint No. = 146	/		Joint No. = 156	/	
Joint No. = 147	/		Joint No. = 157	/	

Ulasan:

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Dikendalikan oleh:	Diperiksa dan disahkan oleh:
Tandatangan: 	Tandatangan: 
Nama Kontraktor:	Nama Kontrak Inspektor:
<u>SAHAUDIN B. HASSAN</u>	<u>MUHAMAD AZRI BIN ABDUL AZIZ</u> INSPEKTOR KONTRAK PONTIAN
No. Anggota:	No. Anggota:
<u>199</u>	<u>JABATAN PROJEK</u> <u>RANHILL SAJ SDN. BHD.</u>
Tarikh: <u>31/12/2022</u>	Tarikh: <u>31/12/2022</u>

**Dokumen yang perlu diserahkan kepada Contract Inspector: Gambar penyambungan dan laporan daripada Data Logger.



ZARIL BIN ABDULLAH SATARI
Engineer



BORANG PEMERIKSAAN VISUAL (*ELECTRO-FUSION*)

Projek:	PROGRAM PENGANTIAN PAIP LAMA BAGI TAHUN 2020 - PAKET 2
Nama :	SHARUDIN BIN HASSAN
No sijil:	199
Nama syarikat:	JALUR CAHAYA SDN BHD
Tarikh dan Masa:	31/12/2022

[illegible]

3) Penyambungan paip yang dilakukan berada dalam keadaan selari.					
Nama Jalan: PN12/13 - JLN PT KASAN					
	✓	X		✓	X
Joint No. = 158	/		Joint No. =		
Joint No. = 159	/		Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		

4) Kawasan yang telah dikikis (scrapped) boleh dilihat.					
Nama Jalan: PN12/13 - JLN PT KASAN					
	✓	X		✓	X
Joint No. = 158	/		Joint No. =		
Joint No. = 159	/		Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		

5) Tanda pada paip (penetration depth) tepat dan boleh dilihat.					
Nama Jalan: PN12/13 - JLN PT KASAN					
	✓	X		✓	X
Joint No. = 158	/		Joint No. =		
Joint No. = 159	/		Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		

6) Tiada kesan percikan paip yang telah cair atau apa-apa kerosakan pada permukaan luar paip yang telah disambung.					
Nama Jalan: PN12/13 - JLN PT KASAN					
	✓	X		✓	X
Joint No. = 158	/		Joint No. =		
Joint No. = 159	/		Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		

7) Paip dan fittings yang disambung dibiarkan untuk sejuk mengikut tempoh masa yang ditetapkan.					
Nama Jalan: PN 12/13 - JLN PT KASAN					
	✓	X		✓	X
Joint No. = 158	/		Joint No. =		
Joint No. = 159	/		Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		

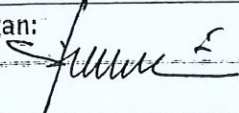
ADAKAH PENYAMBUNGAN ELECTRO-FUSION INI DITERIMA? (Jika TIDAK, sila nyatakan ulasan di ruangan yang disediakan)					
	✓	X		✓	X
Joint No. = 158	/		Joint No. =		
Joint No. = 159	/		Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		

Ulasan:

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Dikendalikan oleh:	Diperiksa dan disahkan oleh:
Tandatangan: 	Tandatangan: 
Nama Kontraktor: SHAHEEDUN B. HASSAN	Nama Kontrak Inspektor: MUHAMAD AZRI BIN ABDUL AZIZ INSPEKTOR KONTRAK PONTIAN
No. Anggota: 199	No. Anggota: JABATAN PROJEK RANHILL SAJ SDN. BHD.
Tarikh: 31/12/2022	Tarikh: 31/12/2022

**Dokumen yang perlu diserahkan kepada Contract Inspector: Gambar penyambungan dan laporan daripada Data Logger.


Zaidi Bin Abdullah Satari
Engineer





PROGRAM PENGGANTIAN PAIP LAMA BAGI TAHUN 2020 DI NEGERI JOHOR
PAKEJ 2 : DAERAH JOHOR BAHRU, KULAI, PONTIAN, KOTA TINGGI DAN
MERSING
COMMUNICATION PIPE WORKS



SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	31/12/2022 (SABTU)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 17A70101
	No. rumah :
	Semasa kerja (EF)
	Joint number: 140



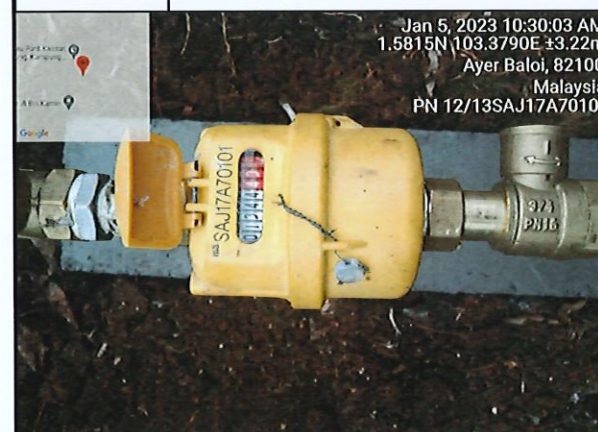
REMARKS	No. meter : SAJ 17A70101
	No. rumah :
	Semasa kerja (EF)
	Joint number: 141



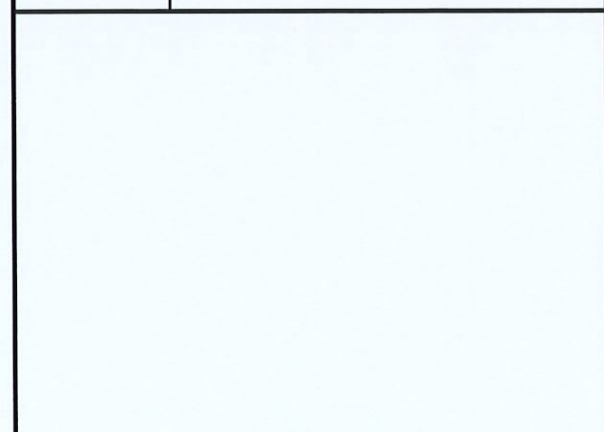
REMARKS	No. meter : SAJ 17A70101
	No. rumah :
	Semasa kerja



REMARKS	No. meter : SAJ 17A70101
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 17A70101
	No. rumah :
	Selepas kerja



REMARKS	

COMMUNICATION PIPE WORKS

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	31/12/2022 (SABTU)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 21H36711
	No. rumah :
	Semasa kerja (EF)
	Joint number: 142



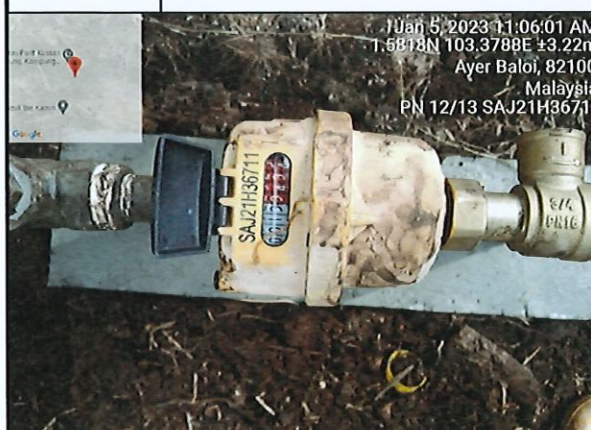
REMARKS	No. meter : SAJ 21H36711
	No. rumah :
	Semasa kerja (EF)
	Joint number: 143



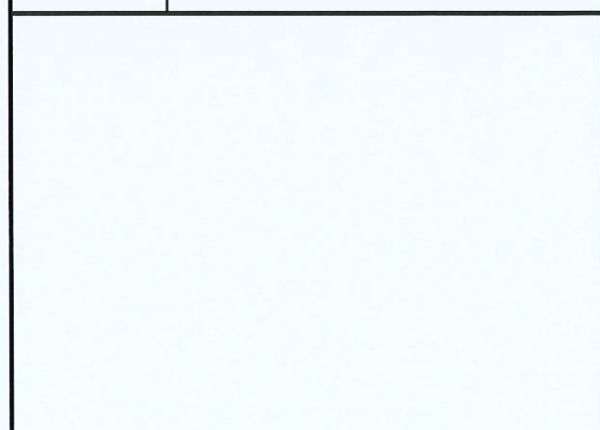
REMARKS	No. meter : SAJ 21H36711
	No. rumah :
	Semasa kerja



REMARKS	No. meter : SAJ 21H36711
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 21H36711
	No. rumah :
	Selepas kerja



REMARKS	

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	31/12/2022 (SABTU)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 22A22816
	No. rumah :
	Semasa kerja (EF)
	Joint number: 144



REMARKS	No. meter : SAJ 22A22816
	No. rumah :
	Semasa kerja (EF)
	Joint number: 145



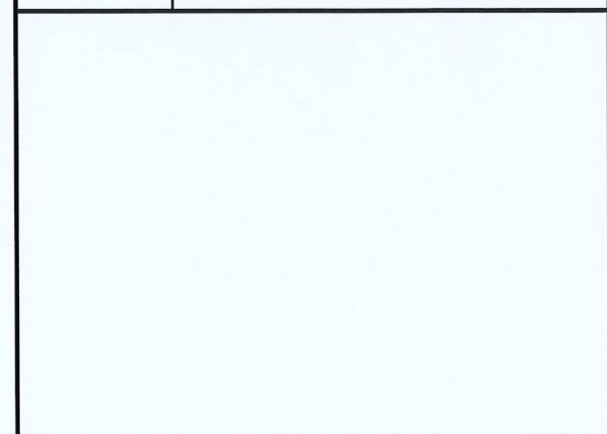
REMARKS	No. meter : SAJ 22A22816
	No. rumah :
	Semasa kerja



REMARKS	No. meter : SAJ 22A22816
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 22A22816
	No. rumah :
	Selepas kerja



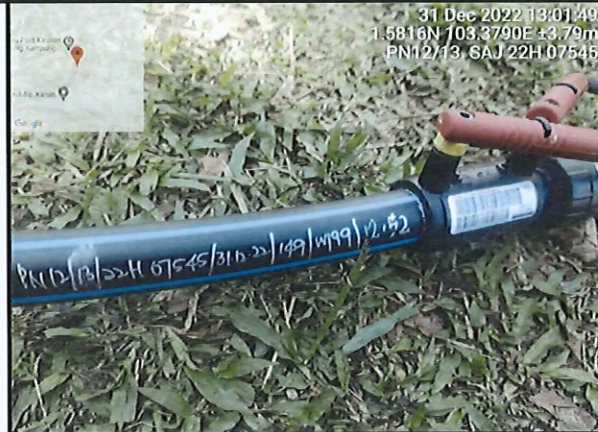
REMARKS	

SUB PACKAGE	PONTIAN (PTN10)		
DMA	PN12 API-API		
DATE	31/12/2022 (SABTU)		
LOCATION	13 - JALAN PARIT KASAN		
REMARKS			
	No. meter : SAJ 21A04594		
	No. rumah :		
	Semasa kerja (EF)		
	Joint number: 146		
REMARKS			
	No. meter : SAJ 21A04594		
	No. rumah :		
	Semasa kerja (EF)		
	Joint number: 147		
REMARKS			
	No. meter : SAJ 21A04594		
	No. rumah :		
	Semasa kerja		
REMARKS			
	No. meter : SAJ 21A04594		
	No. rumah :		
	Selepas kerja		
REMARKS			
	No. meter : SAJ 21A04594		
	No. rumah :		
	Selepas kerja		
REMARKS			

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	31/12/2022 (SABTU)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 22H07545
	No. rumah :
	Semasa kerja (EF)
	Joint number: 148



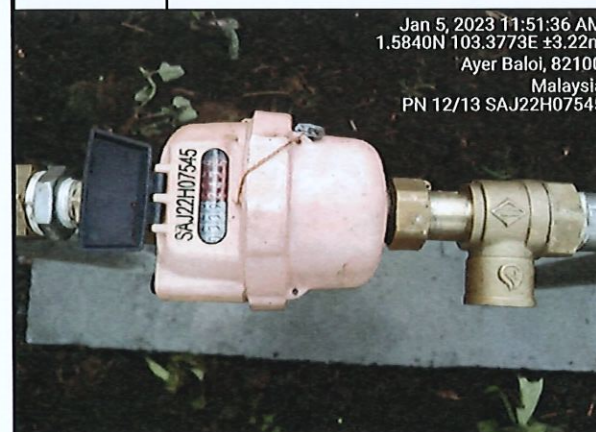
REMARKS	No. meter : SAJ 22H07545
	No. rumah :
	Semasa kerja (EF)
	Joint number: 149



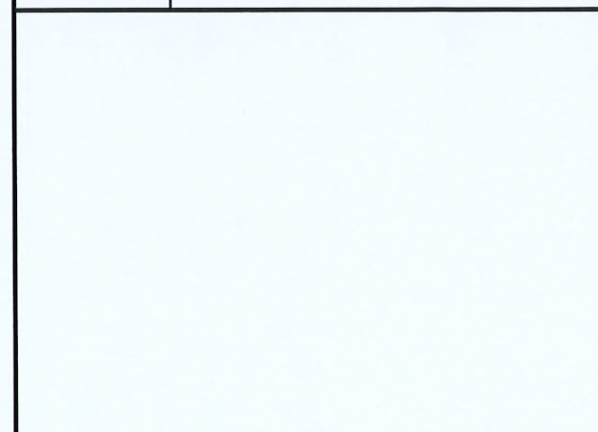
REMARKS	No. meter : SAJ 22H07545
	No. rumah :
	Semasa kerja



REMARKS	No. meter : SAJ 22H07545
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 22H07545
	No. rumah :
	Selepas kerja



REMARKS	

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	31/12/2022 (SABTU)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 17A71696
	No. rumah :
	Semasa kerja (EF)
	Joint number: 150



REMARKS	No. meter : SAJ 17A71696
	No. rumah :
	Semasa kerja (EF)
	Joint number: 151



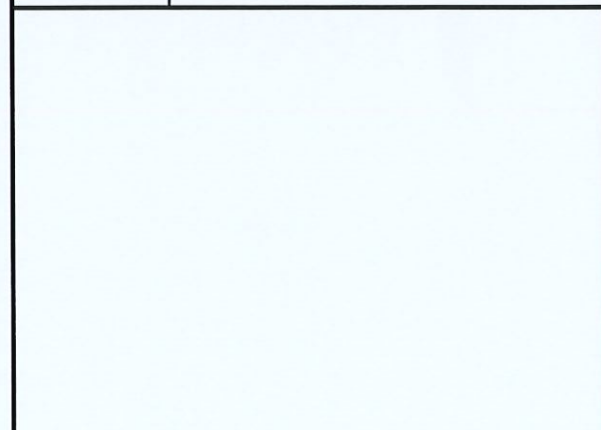
REMARKS	No. meter : SAJ 17A71696
	No. rumah :
	Semasa kerja



REMARKS	No. meter : SAJ 17A71696
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 17A71696
	No. rumah :
	Selepas kerja



REMARKS	

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	31/12/2022 (SABTU)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 14C575041
	No. rumah :
	Semasa kerja (EF)
	Joint number: 152



REMARKS	No. meter : SAJ 14C575041
	No. rumah :
	Semasa kerja (EF)
	Joint number: 153



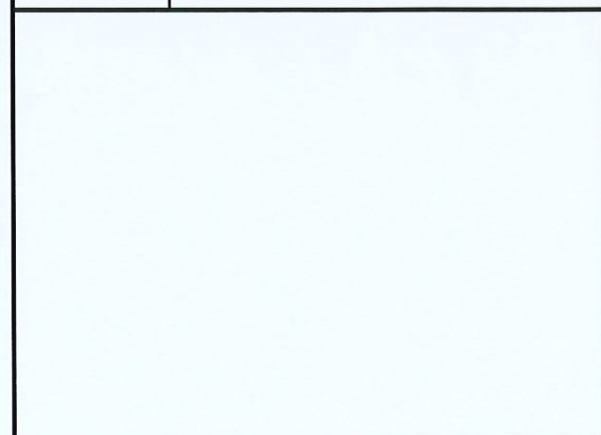
REMARKS	No. meter : SAJ 14C575041
	No. rumah :
	Semasa kerja



REMARKS	No. meter : SAJ 14C575041
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 14C575041
	No. rumah :
	Selepas kerja



REMARKS	

COMMUNICATION PIPE WORKS

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	31/12/2022 (SABTU)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 14A42350
	No. rumah :
	Semasa kerja (EF)
	Joint number: 154



REMARKS	No. meter : SAJ 14A42350
	No. rumah :
	Semasa kerja (EF)
	Joint number: 155



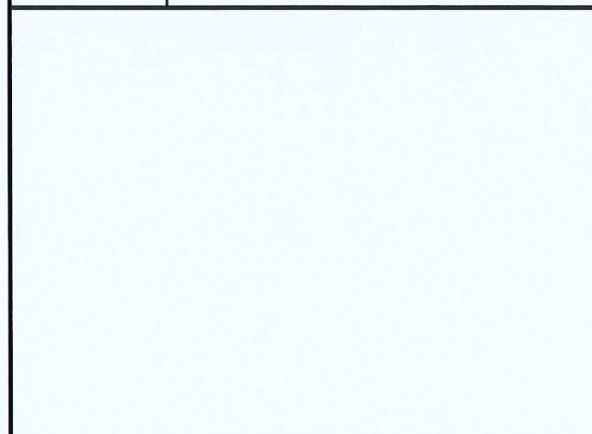
REMARKS	No. meter : SAJ 14A42350
	No. rumah :
	Semasa kerja



REMARKS	No. meter : SAJ 14A42350
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 14A42350
	No. rumah :
	Selepas kerja



REMARKS	

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	31/12/2022 (SABTU)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 17A71695
	No. rumah :
	Semasa kerja (EF)
	Joint number: 156



REMARKS	No. meter : SAJ 17A71695
	No. rumah :
	Semasa kerja (EF)
	Joint number: 157



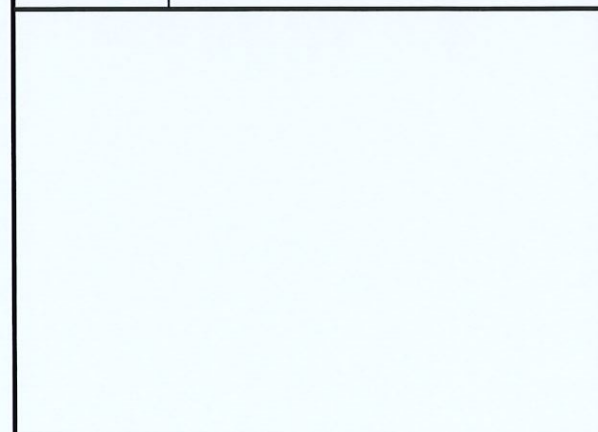
REMARKS	No. meter : SAJ 17A71695
	No. rumah :
	Semasa kerja



REMARKS	No. meter : SAJ 17A71695
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 17A71695
	No. rumah :
	Selepas kerja



REMARKS	

COMMUNICATION PIPE WORKS

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	31/12/2022 (SABTU)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 17A71694
	No. rumah :
	Semasa kerja (EF)
	Joint number: 158



REMARKS	No. meter : SAJ 17A71694
	No. rumah :
	Semasa kerja (EF)
	Joint number: 159



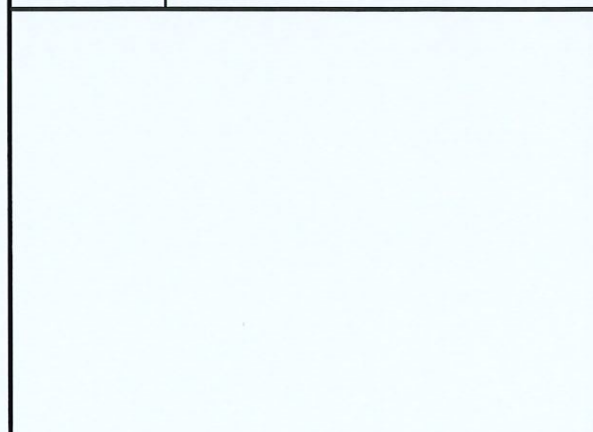
REMARKS	No. meter : SAJ 17A71694
	No. rumah :
	Semasa kerja



REMARKS	No. meter : SAJ 17A71694
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 17A71694
	No. rumah :
	Selepas kerja



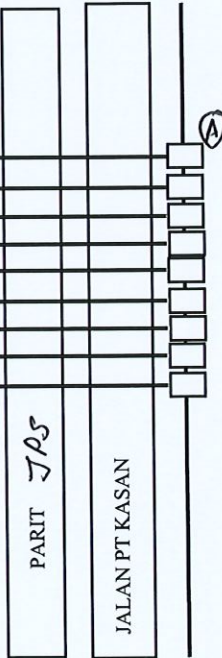
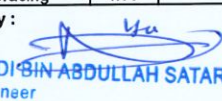
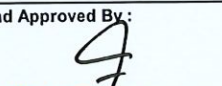
REMARKS	

PIPE LOG

Location

: REHAB 2020 - PAKEJ 2 (SP 10)
PN12/13 - JLN PT KASAN

Sheet No. : 2
Date : 1/1/2023

CHAINAGE	EXC. DEPTH	SKETCHED DRWG.	TRECH EXCAVATION		
		Saddle (Type B) 150mm 	a) Depth < 1.8 m	m	
			b) Depth > 1.8 m < 3.0 m	m	
			c) Road Cutting	m	
			d) Track/Gravel/Earth Road	sq.m	
			e) Concrete Surface	sq.m	
			f) Cross Hedges/Fences/Wall	sq.m	
			g) Road Kerb	m	
			h) Under water earth drain	sq.m	
			i) Under concrete drain/culvert	sq.m	
			j) In rock	cu.m	
			k) Unsuitable Material	cu.m	
SITE CLEARANCE	sq.m	17A71686			
		17A11942			
		20A39542			
		17A71385			
		17A102469			
		22A22474			
		16A58441			
		21A25586			
		18A31976			
BULK EXCAVATION					
All material	cu.m				
Rock	cu.m				
Compact material	cu.m				
FILLING					
Approved Material	cu.m				
Sand	cu.m				
Laterite (150mm)	sq.m				
Sand Bedding	sq.m				
Concrete	cu.m				
TURFING					
Top Soil (50mm)	sq.m				
Turfing	sq.m				
CHAMBER					
Type	Set	Middle			
CHIPPING	sq.m				
PILING					
Kayu Bakau	m				
Type of Pile	UPVC				
Size	mm	80			
Length (Initial)	m				
Length (Extension)	m				
Join Welding	nos				
Cut Pile (1m)	nos				
Linatex Rubber	sq.m				
MS Strap /Bracing	nos				
Prepared By :	 KHAIDI BIN ABDULLAH SATARI Engineer				
Checked and Approved By :	 MUHAMAD AZRIN BIN ABDUL AZIZ				
Date :					
Comments / Reports					
			NORSILAWATI BINTI ALI EKSEKUTIF		

Date: MUHAMAD AZMI BIN ABDUL AZIZ
INSPEKTOR KONTRAK PONTIAN
JABATAN PROJEK
RANHILL SAJ SDN. BHD.
24/1/2023

NORSILAWATI BINTI ALI
EKSEKUTIF
JABATAN PROJEK
RANHILL SAJ SDN. BHD.



Ranhill
SAJ

RSAJ P-B107.Rev.4

DATA TAPPING DAN PAIP PERHUBUNGAN

PROGRAM PENGGANTIAN PAIP LAMA TAHUN 2020

Nama Projek : PROGRAM PENGGANTIAN PAIP LAMA BAGI TAHUN 2020

Nama Kontraktor : JALUR CAHAYA SDN BHD

Bil	Pipe	Size (mm)	No. Meter	No Rumah	Comm Pipe (m)		Lintas Parit		Bawah Jalan			Korekan (m2)			Catatan
					PA Pipe (m)	Poly Pipe (m)	GI Sleeve (m)	Stainless Steel (m)	Open Trench (m)	GI Sleeve (m)	Impact Molling	Jubin	Konkrit	Longkang	
1	UPVC	150	18A31976	/		28.80	/								
2	UPVC	150	21A25586	/		9.30	/								
3	UPVC	150	22A22474	/		16.70	/								
4	UPVC	150	17A102469	/		10.30	/								
5	UPVC	150	17A71385	/		24.40	/								
6	UPVC	150	17A11942	/		17.50	/								
7	UPVC	150	17A71686	/		19.30	/								
8	UPVC	150	16A58441	/		24.50	/								
9	UPVC	150	20A39542	/		27.50	/								
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															
25															
26															
27															
28															
29															
30															
					0.00	178.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Disiapkan Oleh :
M. BIN ABDULLAH SATARI
Inspektor



Disemak Oleh :
M. HAMAD AZRI BIN ABDUL AZIZ
INSPEKTOR KONTRAK PONTIAN
JABATAN PROJEK
RANHILL SAJ SDN. BHD.

Disahkan Oleh :

Eksekutif
Cop :

Projek:	PROGRAM PENGANTIAN PAIP LAMA BAGI TAHUN 2020 - PAKET 2
Nama :	SHARUDIN BIN HASSAN
No siji:	199
Nama syarikat:	JALUR CAHAYA SDN BHD
Tarikh dan Masa:	1/1/2023

KRITERIA	✓	X
KEADAAN TAPAK		
Kawasan tapak berada dalam keadaan yang bersih dan kering.	/	
KEADAAN BAHAN DAN PERALATAN		
Peralatan berada dalam keadaan baik dan bersih.	/	
<i>Fittings</i> berada dalam bungkusan? Jika ya, periksa <i>fittings</i> jika terdapat kerosakan. Jika tidak, reject <i>fittings</i> .	/	
Peralatan adalah mencukupi sebelum kerja penyambungan dilakukan.	/	
- <i>Fusion machine</i>	/	
- <i>Universal pipe cutter</i>	/	
- <i>Rotational pipe scraper</i>	/	
- <i>Marker</i>	/	
- <i>Isopropyl Alcohol (IPA)</i>	/	
- Kain bersih	/	
- <i>Generator</i>	/	
Kawasan penyambungan paip berada dalam keadaan yang bersih dan kering.	/	
PEMERIKSAAN SELEPAS PROSES PENYAMBUNGAN ELECTRO-FUSION		
1) Melt indicator pada fittings timbul.		
Nama Jalan:	PN12/13- JLN PT KASAN	
	✓	X
Joint No. = 160	/	
Joint No. = 161	/	
Joint No. = 162	/	
Joint No. = 163	/	
Joint No. = 164	/	
Joint No. = 165	/	
Joint No. = 166	/	
Joint No. = 167	/	
Joint No. = 168	/	
Joint No. = 169	/	
Joint No. = 170	/	
Joint No. = 171	/	
Joint No. = 172	/	
Joint No. = 173	/	
Joint No. = 174	/	
Joint No. = 175	/	
Joint No. = 176	/	
Joint No. = 177	/	
Joint No. = 178	/	
Joint No. = 179	/	
2) Hujung paip dipotong dengan tegak dan lurus.		
Nama Jalan:	PN12/13- JLN PT KASAN	
	✓	X
Joint No. = 160	/	
Joint No. = 161	/	
Joint No. = 162	/	
Joint No. = 163	/	
Joint No. = 164	/	
Joint No. = 165	/	
Joint No. = 166	/	
Joint No. = 167	/	
Joint No. = 168	/	
Joint No. = 169	/	
Joint No. = 170	/	
Joint No. = 171	/	
Joint No. = 172	/	
Joint No. = 173	/	
Joint No. = 174	/	
Joint No. = 175	/	
Joint No. = 176	/	
Joint No. = 177	/	
Joint No. = 178	/	
Joint No. = 179	/	

3) Penyambungan paip yang dilakukan berada dalam keadaan selari.

Nama Jalan: PN 12/13 - JLN PT KASAN

	✓	X		✓	X
Joint No. = 160	/		Joint No. = 170	/	
Joint No. = 161	/		Joint No. = 171	/	
Joint No. = 162	/		Joint No. = 172	/	
Joint No. = 163	/		Joint No. = 173	/	
Joint No. = 164	/		Joint No. = 174	/	
Joint No. = 165	/		Joint No. = 175	/	
Joint No. = 166	/		Joint No. = 176	/	
Joint No. = 167	/		Joint No. = 177	/	
Joint No. = 168	/		Joint No. = 178	/	
Joint No. = 169	/		Joint No. = 179	/	

4) Kawasan yang telah dikikis (scrapped) boleh dilihat.

Nama Jalan: PN 12/13 - JLN PT KASAN

	✓	X		✓	X
Joint No. = 160	/		Joint No. = 170	/	
Joint No. = 161	/		Joint No. = 171	/	
Joint No. = 162	/		Joint No. = 172	/	
Joint No. = 163	/		Joint No. = 173	/	
Joint No. = 164	/		Joint No. = 174	/	
Joint No. = 165	/		Joint No. = 175	/	
Joint No. = 166	/		Joint No. = 176	/	
Joint No. = 167	/		Joint No. = 177	/	
Joint No. = 168	/		Joint No. = 178	/	
Joint No. = 169	/		Joint No. = 179	/	

5) Tanda pada paip (penetration depth) tepat dan boleh dilihat.

Nama Jalan: PN 12/13 - JLN PT KASAN

	✓	X		✓	X
Joint No. = 160	/		Joint No. = 170	/	
Joint No. = 161	/		Joint No. = 171	/	
Joint No. = 162	/		Joint No. = 172	/	
Joint No. = 163	/		Joint No. = 173	/	
Joint No. = 164	/		Joint No. = 174	/	
Joint No. = 165	/		Joint No. = 175	/	
Joint No. = 166	/		Joint No. = 176	/	
Joint No. = 167	/		Joint No. = 177	/	
Joint No. = 168	/		Joint No. = 178	/	
Joint No. = 169	/		Joint No. = 179	/	

6) Tiada kesan percikan paip yang telah cair atau apa-apa kerosakan pada permukaan luar paip yang telah disambung.

Nama Jalan: PN 12/13 - JLN PT KASAN

	✓	X		✓	X
Joint No. = 160	/		Joint No. = 170	/	
Joint No. = 161	/		Joint No. = 171	/	
Joint No. = 162	/		Joint No. = 172	/	
Joint No. = 163	/		Joint No. = 173	/	
Joint No. = 164	/		Joint No. = 174	/	
Joint No. = 165	/		Joint No. = 175	/	
Joint No. = 166	/		Joint No. = 176	/	
Joint No. = 167	/		Joint No. = 177	/	
Joint No. = 168	/		Joint No. = 178	/	
Joint No. = 169	/		Joint No. = 179	/	

7) Paip dan fittings yang disambung dibiarkan untuk sejuk mengikut tempoh masa yang ditetapkan.					
Nama Jalan: PN12/13 - JLN PT KASAN					
	✓	X		✓	X
Joint No. = 160	/		Joint No. = 170	/	
Joint No. = 161	/		Joint No. = 171	/	
Joint No. = 162	/		Joint No. = 172	/	
Joint No. = 163	/		Joint No. = 173	/	
Joint No. = 164	/		Joint No. = 174	/	
Joint No. = 165	/		Joint No. = 175	/	
Joint No. = 166	/		Joint No. = 176	/	
Joint No. = 167	/		Joint No. = 177	/	
Joint No. = 168	/		Joint No. = 178	/	
Joint No. = 169	/		Joint No. = 179	/	

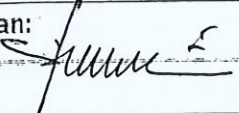
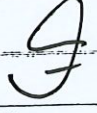
ADAKAH PENYAMBUNGAN ELECTRO-FUSION INI DITERIMA?					
(Jika TIDAK, sila nyatakan ulasan di ruangan yang disediakan)					
	✓	X		✓	X
Joint No. = 160	/		Joint No. = 170	/	
Joint No. = 161	/		Joint No. = 171	/	
Joint No. = 162	/		Joint No. = 172	/	
Joint No. = 163	/		Joint No. = 173	/	
Joint No. = 164	/		Joint No. = 174	/	
Joint No. = 165	/		Joint No. = 175	/	
Joint No. = 166	/		Joint No. = 176	/	
Joint No. = 167	/		Joint No. = 177	/	
Joint No. = 168	/		Joint No. = 178	/	
Joint No. = 169	/		Joint No. = 179	/	

Ulasan:

.....

.....

.....

Dikendalikan oleh:	Diperiksa dan disahkan oleh:
Tandatangan: 	Tandatangan: 
Nama Kontraktor: SHAHRUDIN B. HASRAN	Nama Kontrak Inspektor: MUHAMAD AZRI BIN ABDUL AZIZ INSPEKTOR KONTRAK PONTIAN
No. Anggota: 199	No. Anggota: JABATAN PROJEK RANHILL SAJ SDN. BHD.
Tarikh: 1/10/2023	Tarikh: 1/1/2023

**Dokumen yang perlu diserahkan kepada Contract Inspector: Gambar penyambungan dan laporan daripada Data Logger.



 ZAIDI BIN ABDULLAH SATARI
 Engineer

ELECTRO-FUSION MACHINE REPORT (COMM PIPE)

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 - API API
DATE	1/1/2023 (AHAD)
LOCATION	13 - JALAN PT KASAN

160	01.01.23	10:15	28.4°C	FR	CPL	25 mm	28.0 V	0028 s/0028 s	3.733 Ohm	5.6 kJ	✓ OK
161	01.01.23	10:22	28.5°C	FR	CPL	25 mm	28.0 V	0028 s/0028 s	3.736 Ohm	5.6 kJ	✓ OK
162	01.01.23	10:28	28.5°C	FR	CPL	25 mm	28.0 V	0028 s/0028 s	3.676 Ohm	5.7 kJ	✓ OK
163	01.01.23	10:35	29.1°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.739 Ohm	5.4 kJ	✓ OK
164	01.01.23	10:41	29.5°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.739 Ohm	5.4 kJ	✓ OK
165	01.01.23	10:47	30.2°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.734 Ohm	5.4 kJ	✓ OK
166	01.01.23	10:53	30.1°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.735 Ohm	5.4 kJ	✓ OK
167	01.01.23	10:59	30.7°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.755 Ohm	5.4 kJ	✓ OK
168	01.01.23	11:05	30.0°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.728 Ohm	5.4 kJ	✓ OK
169	01.01.23	11:11	29.6°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.712 Ohm	5.5 kJ	✓ OK
170	01.01.23	11:18	29.7°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.720 Ohm	5.4 kJ	✓ OK
171	01.01.23	11:30	29.9°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.684 Ohm	5.5 kJ	✓ OK
172	01.01.23	11:37	29.9°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.716 Ohm	5.4 kJ	✓ OK
173	01.01.23	11:43	30.1°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.765 Ohm	5.4 kJ	✓ OK
174	01.01.23	11:49	30.3°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.747 Ohm	5.4 kJ	✓ OK
175	01.01.23	11:56	30.3°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.735 Ohm	5.4 kJ	✓ OK
176	01.01.23	12:12	30.3°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.737 Ohm	5.5 kJ	✓ OK
177	01.01.23	12:21	30.0°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.729 Ohm	5.4 kJ	✓ OK
178	01.01.23	12:33	30.9°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.741 Ohm	5.4 kJ	✓ OK
179	01.01.23	15:48	32.4°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.767 Ohm	5.4 kJ	✓ OK

Disediakan Oleh:


Zaidin Abdullah Satari
Engineer
Kontraktor

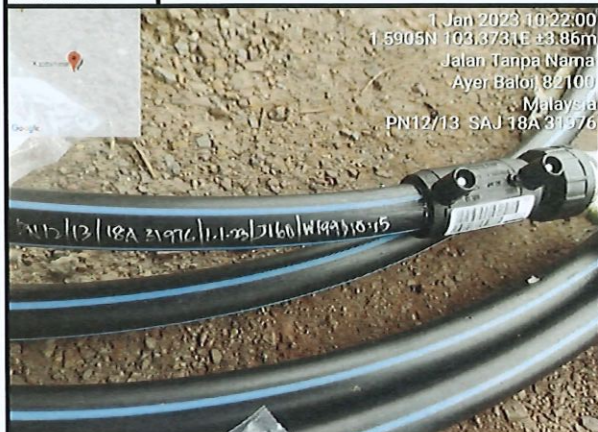
Disemak Oleh:


Muhammad Azri Bin Abdul Aziz
INSPEKTOR KONTRAK PONTIAN
JABATAN PROJEK
RANHILL SAJ SDN. BHD.

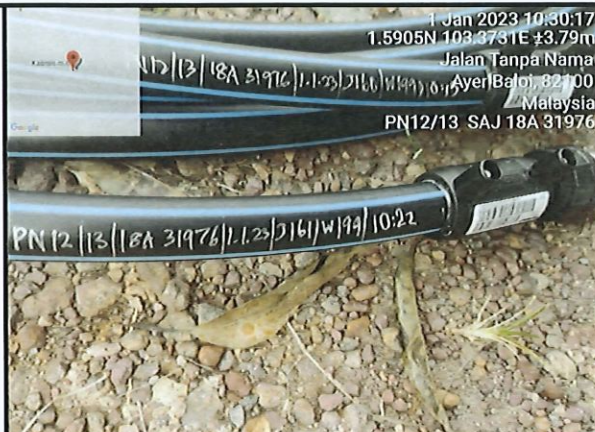
Disahkan Oleh:

Eksekutif

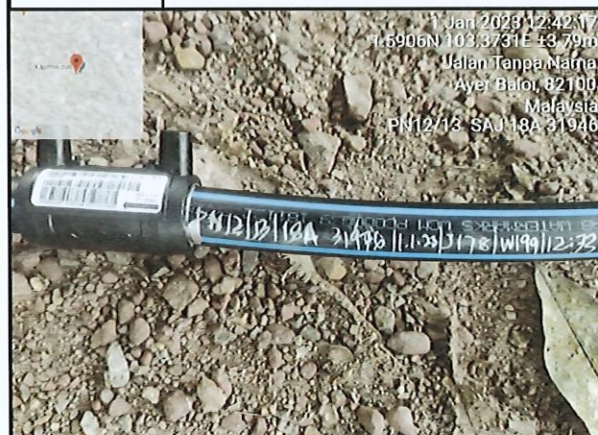
SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	1/1/2023 (AHAD)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 18A31976
	No. rumah :
	Semasa kerja (EF)
	Joint number: 160



REMARKS	No. meter : SAJ 18A31976
	No. rumah :
	Semasa kerja (EF)
	Joint number: 161



REMARKS	No. meter : SAJ 18A31976
	No. rumah :
	Semasa kerja (EF)
	Joint number: 178



REMARKS	No. meter : SAJ 18A31976
	No. rumah :
	Semasa kerja



REMARKS	No. meter : SAJ 18A31976
	No. rumah :
	Selepas kerja



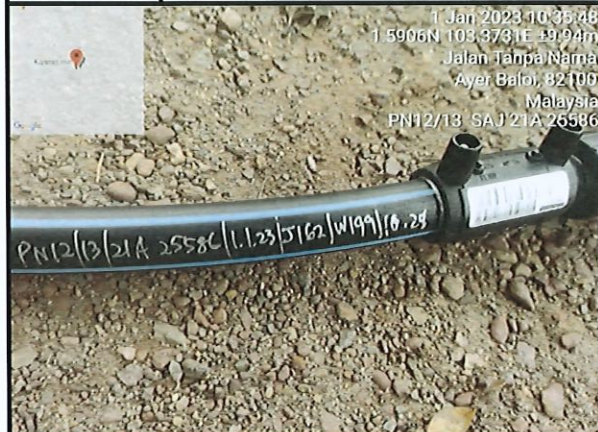
REMARKS	No. meter : SAJ 18A31976
	No. rumah :
	Selepas kerja



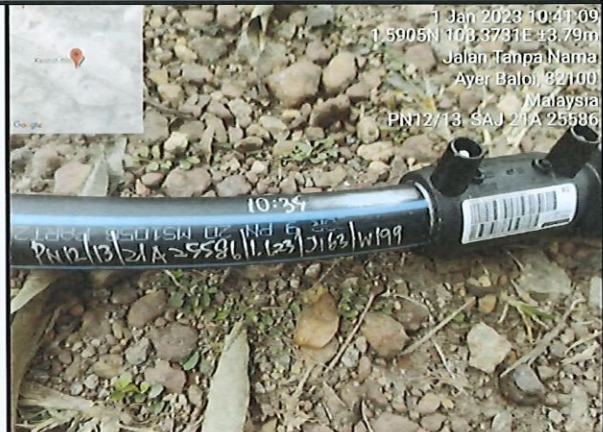
PROGRAM PENGGANTIAN PAIP LAMA BAGI TAHUN 2020 DI NEGERI JOHOR
PAKEJ 2 : DAERAH JOHOR BAHRU, KULAI, PONTIAN, KOTA TINGGI DAN
MERSING
COMMUNICATION PIPE WORKS



SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	1/1/2023 (AHAD)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 21A25586
	No. rumah :
	Semasa kerja (EF)
	Joint number: 162



REMARKS	No. meter : SAJ 21A25586
	No. rumah :
	Semasa kerja (EF)
	Joint number: 163



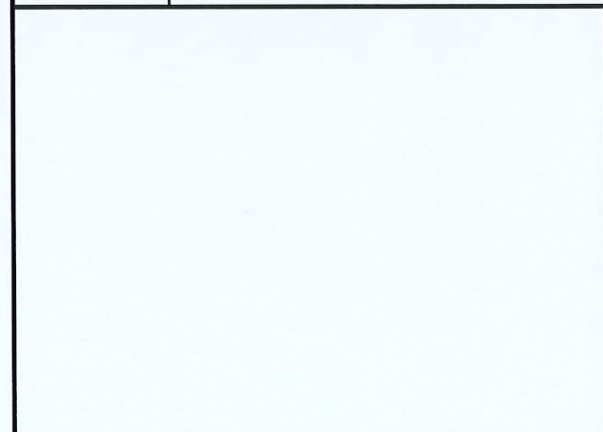
REMARKS	No. meter : SAJ 21A25586
	No. rumah :
	Semasa kerja



REMARKS	No. meter : SAJ 21A25586
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 21A25586
	No. rumah :
	Selepas kerja



REMARKS	

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	1/1/2023 (AHAD)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 22A22474
	No. rumah :
	Semasa kerja (EF)
	Joint number: 164



REMARKS	No. meter : SAJ 22A22474
	No. rumah :
	Semasa kerja (EF)
	Joint number: 165



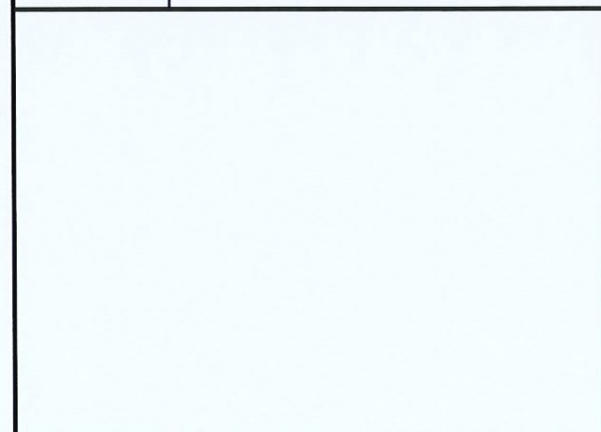
REMARKS	No. meter : SAJ 22A22474
	No. rumah :
	Semasa kerja



REMARKS	No. meter : SAJ 22A22474
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 22A22474
	No. rumah :
	Selepas kerja



REMARKS	



PROGRAM PENGGANTIAN PAIP LAMA BAGI TAHUN 2020 DI NEGERI JOHOR
PAKEJ 2 : DAERAH JOHOR BAHRU, KULAI, PONTIAN, KOTA TINGGI DAN
MERSING
COMMUNICATION PIPE WORKS



SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	1/1/2023 (AHAD)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 17A102469
	No. rumah :
	Semasa kerja (EF)
	Joint number: 166



REMARKS	No. meter : SAJ 17A102469
	No. rumah :
	Semasa kerja (EF)
	Joint number: 167



REMARKS	No. meter : SAJ 17A102469
	No. rumah :
	Semasa kerja



REMARKS	No. meter : SAJ 17A102469
	No. rumah :
	Selepas kerja



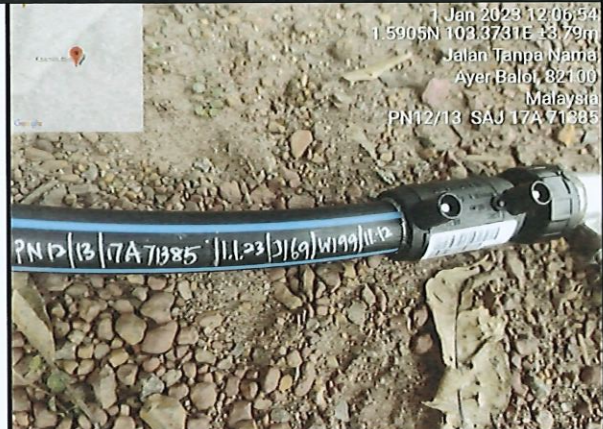
REMARKS	No. meter : SAJ 17A102469
	No. rumah :
	Selepas kerja

REMARKS	

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	1/1/2023 (AHAD)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 17A71385
	No. rumah :
	Semasa kerja (EF)
	Joint number: 168



REMARKS	No. meter : SAJ 17A71385
	No. rumah :
	Semasa kerja (EF)
	Joint number: 169



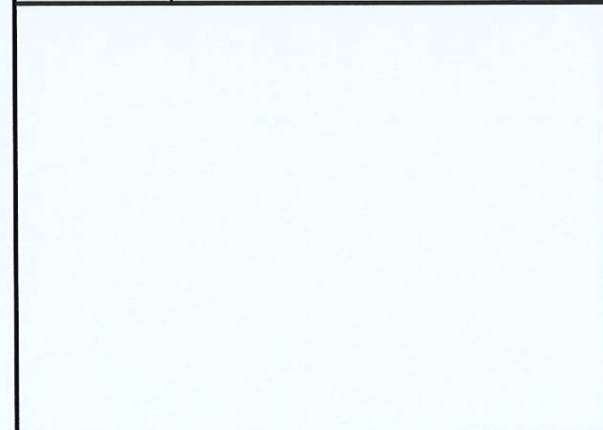
REMARKS	No. meter : SAJ 17A71385
	No. rumah :
	Semasa kerja



REMARKS	No. meter : SAJ 17A71385
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 17A71385
	No. rumah :
	Selepas kerja



REMARKS	



PROGRAM PENGGANTIAN PAIP LAMA BAGI TAHUN 2020 DI NEGERI JOHOR
PAKEJ 2 : DAERAH JOHOR BAHRU, KULAI, PONTIAN, KOTA TINGGI DAN
MERSING
COMMUNICATION PIPE WORKS



SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	1/1/2023 (AHAD)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 17A11942
	No. rumah :
	Semasa kerja (EF)
	Joint number: 170



REMARKS	No. meter : SAJ 17A11942
	No. rumah :
	Semasa kerja (EF)
	Joint number: 171



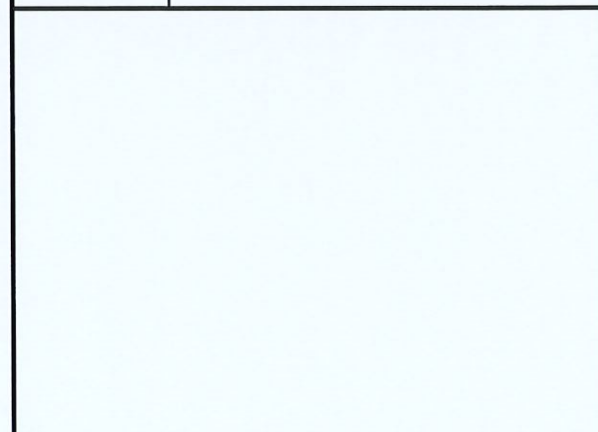
REMARKS	No. meter : SAJ 17A11942
	No. rumah :
	Semasa kerja



REMARKS	No. meter : SAJ 17A11942
	No. rumah :
	Selepas kerja

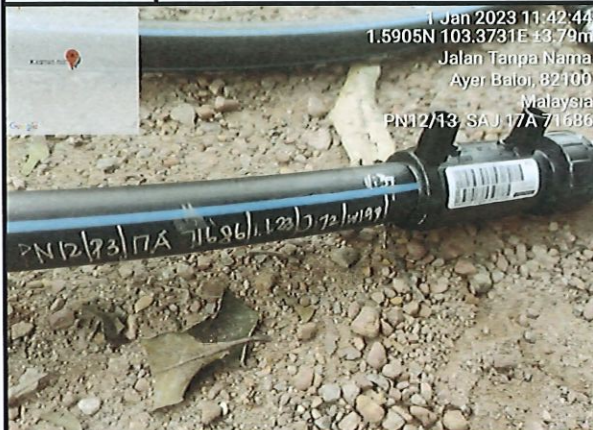


REMARKS	No. meter : SAJ 17A11942
	No. rumah :
	Selepas kerja

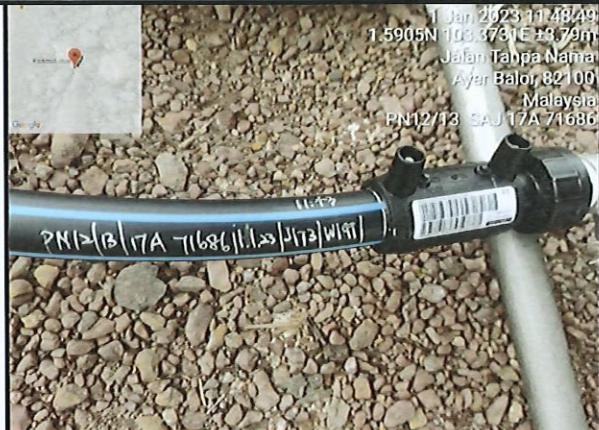


REMARKS	

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	1/1/2023 (AHAD)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 17A71686
	No. rumah :
	Semasa kerja (EF)
	Joint number: 172



REMARKS	No. meter : SAJ 17A71686
	No. rumah :
	Semasa kerja (EF)
	Joint number: 173



REMARKS	No. meter : SAJ 17A71686
	No. rumah :
	Semasa kerja (EF)
	Joint number: 179



REMARKS	No. meter : SAJ 17A71686
	No. rumah :
	Semasa kerja



REMARKS	No. meter : SAJ 17A71686
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 17A71686
	No. rumah :
	Selepas kerja

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	1/1/2023 (AHAD)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 16A58441
	No. rumah :
	Semasa kerja (EF)
	Joint number: 174



REMARKS	No. meter : SAJ 16A58441
	No. rumah :
	Semasa kerja (EF)
	Joint number: 175



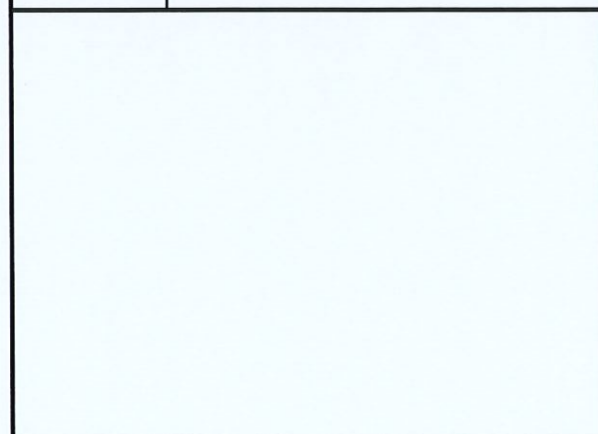
REMARKS	No. meter : SAJ 16A58441
	No. rumah :
	Semasa kerja



REMARKS	No. meter : SAJ 16A58441
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 16A58441
	No. rumah :
	Selepas kerja



REMARKS	

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	1/1/2023 (AHAD)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 20A39542
	No. rumah :
	Semasa kerja (EF)
	Joint number: 176



REMARKS	No. meter : SAJ 20A39542
	No. rumah :
	Semasa kerja (EF)
	Joint number: 177



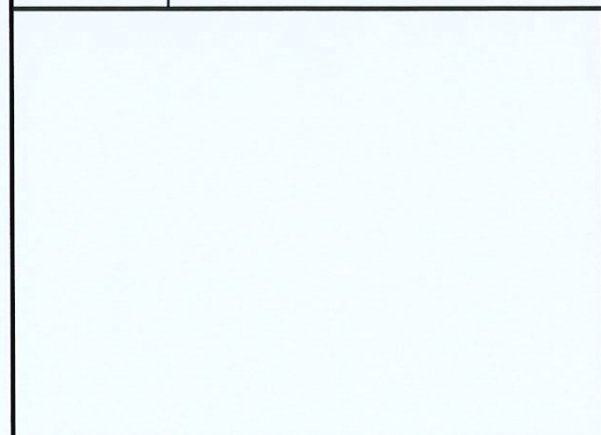
REMARKS	No. meter : SAJ 20A39542
	No. rumah :
	Semasa kerja



REMARKS	No. meter : SAJ 20A39542
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 20A39542
	No. rumah :
	Selepas kerja



REMARKS	

DATA TAPPING DAN PAIP PERHUBUNGAN

PROGRAM PENGANTIAN PAIP LAMA TAHUN 2020

Nama Projek : PROGRAM PENGANTIAN PAIP LAMA BAGI TAHUN 2020

Nama Kontraktor : JALUR CAHAYA SDN BHD

Bil	Pipe	Size (mm)	No. Meter	No Rumah	Comm Pipe (m)		Lintas Parit		Bawah Jalan			Korekan (m2)			Catatan
					PA Pipe (m)	Poly Pipe (m)	GI Sleeve (m)	Stainless Steel (m)	Open Trench (m)	GI Sleeve (m)	Impact Molling	Jubin	Konkrit	Longkang	
1	UPVC	150	12F478863	/		11.90	/	2.50	/						
2	UPVC	150	15A59027	/		14.90	/	2.70	/						
3	UPVC	150	22A22385	/		17.60	/	3.00	/						
4	UPVC	150	19H03338	/		15.50	/	3.70	/						
5	UPVC	150	20A25256	/		21.60	/	2.70	/						
6	UPVC	150	15A31977	/		6.00	/	3.70	/						
7	UPVC	150	20A39377	/		13.10	/	3.00	/						
8	UPVC	150	17A11952	/		21.40	/	3.00	/						
9	UPVC	150	14A25960	/		18.30	/	2.70	/						
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															
25															
26															
27															
28															
29															
30															
					0.00	140.30	0.00	27.00	0.00	0.00	0.00	0.00	0.00	0.00	

Disediakan Oleh :

Kontraktor
Cop :

Disemak Oleh :

Inspektor Kontrak (D)
Cop : **MUHAMAD AZRI BIN ABDUL AZIZ**
INSPEKTOR KONTRAK PONTIAN
JABATAN PROJEK
RANHILL SAJ SDN. BHD.

Disahkan Oleh :

Eksekutif
Cop : **NORSILAWATI BINTI ALI**
EKSEKUTIF
JABATAN PROJEK
RANHILL SAJ SDN. BHD.

Projek:	PROGRAM PENGANTIAN PAIP LAMA BAGI TAHUN 2020 - PALEJ 2
Nama :	SHARUDIN BIN HASSAN
No sijil:	199
Nama syarikat:	JALUR CAHAYA SDN BHD
Tarikh dan Masa:	20/12/2022

KRITERIA	✓	X
KEADAAN TAPAK		
Kawasan tapak berada dalam keadaan yang bersih dan kering.	/	
KEADAAN BAHAN DAN PERALATAN		
Peralatan berada dalam keadaan baik dan bersih.	/	
<i>Fittings</i> berada dalam bungkusan? Jika ya, periksa <i>fittings</i> jika terdapat kerosakan. Jika tidak, reject <i>fittings</i> .	/	
Peralatan adalah mencukupi sebelum kerja penyambungan dilakukan.	/	
- Fusion machine - Universal pipe cutter - Rotational pipe scraper - Marker - Isopropyl Alcohol (IPA) - Kain bersih - Generator	/	
Kawasan penyambungan paip berada dalam keadaan yang bersih dan kering.	/	
PEMERIKSAAN SELEPAS PROSES PENYAMBUNGAN ELECTRO-FUSION		
1) Melt indicator pada fittings timbul.		
Nama Jalan:	PN12/13 - JLN PT KASAN	
	✓	X
Joint No. = 20	/	
Joint No. = 21	/	
Joint No. =		
Joint No. =		
Joint No. =		
Joint No. =		
Joint No. =		
Joint No. =		
Joint No. =		
Joint No. =		
Joint No. =		
2) Hujung paip dipotong dengan tegak dan lurus.		
Nama Jalan:	PN12/13 - JLN PT KASAN	
	✓	X
Joint No. = 20	/	
Joint No. = 21	/	
Joint No. =		
Joint No. =		
Joint No. =		
Joint No. =		
Joint No. =		
Joint No. =		
Joint No. =		
Joint No. =		
Joint No. =		

3) Penyambungan paip yang dilakukan berada dalam keadaan selari.

Nama Jalan:	PN12/13 - JLN PT KASAN			
	✓	X	✓	X
Joint No. = 20	/		Joint No. =	
Joint No. = 21	/		Joint No. =	
Joint No. =			Joint No. =	
Joint No. =			Joint No. =	
Joint No. =			Joint No. =	
Joint No. =			Joint No. =	
Joint No. =			Joint No. =	
Joint No. =			Joint No. =	
Joint No. =			Joint No. =	
Joint No. =			Joint No. =	

4) Kawasan yang telah dikikis (scrapped) boleh dilihat.

Nama Jalan:	PN12/13 - JLN PT KASAN			
	✓	X	✓	X
Joint No. = 20	/		Joint No. =	
Joint No. = 21	/		Joint No. =	
Joint No. =			Joint No. =	
Joint No. =			Joint No. =	
Joint No. =			Joint No. =	
Joint No. =			Joint No. =	
Joint No. =			Joint No. =	
Joint No. =			Joint No. =	
Joint No. =			Joint No. =	
Joint No. =			Joint No. =	

5) Tanda pada paip (penetration depth) tepat dan boleh dilihat.

Nama Jalan:	PN12/13 - JLN PT KASAN			
	✓	X	✓	X
Joint No. = 20	/		Joint No. =	
Joint No. = 21	/		Joint No. =	
Joint No. =			Joint No. =	
Joint No. =			Joint No. =	
Joint No. =			Joint No. =	
Joint No. =			Joint No. =	
Joint No. =			Joint No. =	
Joint No. =			Joint No. =	
Joint No. =			Joint No. =	
Joint No. =			Joint No. =	

6) Tiada kesan percikan paip yang telah cair atau apa-apa kerosakan pada permukaan luar paip yang telah disambung.

Nama Jalan:	PN12/13 - JLN PT KASAN			
	✓	X	✓	X
Joint No. = 20	/		Joint No. =	
Joint No. = 21	/		Joint No. =	
Joint No. =			Joint No. =	
Joint No. =			Joint No. =	
Joint No. =			Joint No. =	
Joint No. =			Joint No. =	
Joint No. =			Joint No. =	
Joint No. =			Joint No. =	
Joint No. =			Joint No. =	
Joint No. =			Joint No. =	

7) Paip dan fittings yang disambung dibiarkan untuk sejuk mengikut tempoh masa yang ditetapkan.					
Nama Jalan: PN12/13 - JLN PT KASAN					
	✓	X		✓	X
Joint No. = 20	/		Joint No. =		
Joint No. = 21	/		Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		

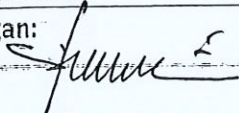
ADAKAH PENYAMBUNGAN ELECTRO-FUSION INI DITERIMA? (Jika TIDAK, sila nyatakan ulasan di ruangan yang disediakan)					
	✓	X		✓	X
Joint No. = 20	/		Joint No. =		
Joint No. = 21	/		Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		

Ulasan:

.....

.....

.....

Dikendalikan oleh:	Diperiksa dan disahkan oleh:
Tandatangan: 	Tandatangan: 
Nama Kontraktor: SHAHEEDUN B. HASSAN	Nama Kontrak Inspektor: MUHAMAD AZRI BIN ABDUL AZIZ INSPEKTOR KONTRAK PONTIAN
No. Anggota: 199	No. Anggota: JABATAN PROJEK RANHILL SAI SDN. BHD.
Tarikh: 20/12/2022	Tarikh: 20/12/2022

**Dokumen yang perlu diserahkan kepada Contract Inspector: Gambar penyambungan dan laporan daripada Data Logger.


Zaid Bin Abdullah Satari
Engineer



Projek:	PROGRAM PENGANTIAN PAIP LAMA BAGI TAHUN 2020 - PAKET 2
Nama :	SHARUDIN BIN HASSAN
No sivil:	199
Nama syarikat:	JALUR CAHAYA SDN BHD
Tarikh dan Masa:	2/1/2023

KRITERIA	✓	X
KEADAAN TAPAK		
Kawasan tapak berada dalam keadaan yang bersih dan kering.	/	
KEADAAN BAHAN DAN PERALATAN		
Peralatan berada dalam keadaan baik dan bersih.	/	
Fittings berada dalam bungkusan? Jika ya, periksa fittings jika terdapat kerosakan. Jika tidak, reject fittings.	/	
Peralatan adalah mencukupi sebelum kerja penyambungan dilakukan.	/	
- Fusion machine	/	
- Universal pipe cutter	/	
- Rotational pipe scraper	/	
- Marker	/	
- Isopropyl Alcohol (IPA)	/	
- Kain bersih	/	
- Generator	/	
Kawasan penyambungan paip berada dalam keadaan yang bersih dan kering.	/	
PEMERIKSAAN SELEPAS PROSES PENYAMBUNGAN ELECTRO-FUSION		
1) Melt indicator pada fittings timbul.		
Nama Jalan:	PN 12/13 - JLN PT KASAN	
	✓	X
Joint No. =		Joint No. = 189
Joint No. =		Joint No. = 190
Joint No. = 180	/	Joint No. = 191
Joint No. = 181	/	Joint No. = 192
Joint No. = 182	/	Joint No. = 193
Joint No. = 183	/	Joint No. = 194
Joint No. = 184	/	Joint No. = 195
Joint No. = 185	/	Joint No. = 196
Joint No. = 186	/	Joint No. = 197
Joint No. = 187	/	Joint No. = 198
2) Hujung paip dipotong dengan tegak dan lurus.		
Nama Jalan:	PN 12/13 - JLN PT KASAN	
	✓	X
Joint No. =		Joint No. = 189
Joint No. =		Joint No. = 190
Joint No. = 180	/	Joint No. = 191
Joint No. = 181	/	Joint No. = 192
Joint No. = 182	/	Joint No. = 193
Joint No. = 183	/	Joint No. = 194
Joint No. = 184	/	Joint No. = 195
Joint No. = 185	/	Joint No. = 196
Joint No. = 186	/	Joint No. = 197
Joint No. = 187	/	Joint No. = 198

3) Penyambungan paip yang dilakukan berada dalam keadaan selari.

Nama Jalan: PN 12/13 - JLN PT KASAN

	✓	X		✓	X
Joint No. = 180	/		Joint No. = 189	/	
Joint No. = 181	/		Joint No. = 190	/	
Joint No. = 182	/		Joint No. = 191	/	
Joint No. = 183	/		Joint No. = 192	/	
Joint No. = 184	/		Joint No. = 193	/	
Joint No. = 185	/		Joint No. = 194	/	
Joint No. = 186	/		Joint No. = 195	/	
Joint No. = 187	/		Joint No. = 196	/	
			Joint No. = 197	/	
			Joint No. = 198	/	

4) Kawasan yang telah dikikis (scrapped) boleh dilihat.

Nama Jalan: PN 12/13 - JLN PT KASAN

	✓	X		✓	X
Joint No. = 180	/		Joint No. = 189	/	
Joint No. = 181	/		Joint No. = 190	/	
Joint No. = 182	/		Joint No. = 191	/	
Joint No. = 183	/		Joint No. = 192	/	
Joint No. = 184	/		Joint No. = 193	/	
Joint No. = 185	/		Joint No. = 194	/	
Joint No. = 186	/		Joint No. = 195	/	
Joint No. = 187	/		Joint No. = 196	/	
			Joint No. = 197	/	
			Joint No. = 198	/	

5) Tanda pada paip (penetration depth) tepat dan boleh dilihat.

Nama Jalan: PN 12/13 - JLN PT KASAN

	✓	X		✓	X
Joint No. = 180	/		Joint No. = 189	/	
Joint No. = 181	/		Joint No. = 190	/	
Joint No. = 182	/		Joint No. = 191	/	
Joint No. = 183	/		Joint No. = 192	/	
Joint No. = 184	/		Joint No. = 193	/	
Joint No. = 185	/		Joint No. = 194	/	
Joint No. = 186	/		Joint No. = 195	/	
Joint No. = 187	/		Joint No. = 196	/	
			Joint No. = 197	/	
			Joint No. = 198	/	

6) Tiada kesan percikan paip yang telah cair atau apa-apa kerosakan pada permukaan luar paip yang telah disambung.

Nama Jalan: PN 12/13 - JLN PT KASAN

	✓	X		✓	X
Joint No. = 180	/		Joint No. = 189	/	
Joint No. = 181	/		Joint No. = 190	/	
Joint No. = 182	/		Joint No. = 191	/	
Joint No. = 183	/		Joint No. = 192	/	
Joint No. = 184	/		Joint No. = 193	/	
Joint No. = 185	/		Joint No. = 194	/	
Joint No. = 186	/		Joint No. = 195	/	
Joint No. = 187	/		Joint No. = 196	/	
			Joint No. = 197	/	
			Joint No. = 198	/	

7) Paip dan fittings yang disambung dibiarkan untuk sejuk mengikut tempoh masa yang ditetapkan.

Nama Jalan: PN12/13 - JLN PT KAYAN

	✓	X		✓	X
Joint No. = 180	/		Joint No. = 191	/	
Joint No. = 181	/		Joint No. = 192	/	
Joint No. = 182	/		Joint No. = 193	/	
Joint No. = 183	/		Joint No. = 194	/	
Joint No. = 184	/		Joint No. = 195	/	
Joint No. = 185	/		Joint No. = 196	/	
Joint No. = 186	/		Joint No. = 197	/	
Joint No. = 187	/		Joint No. = 18-198	/	
Joint No. = 189	/		Joint No. =		
Joint No. = 190	/		Joint No. =		

ADAKAH PENYAMBUNGAN ELECTRO-FUSION INI DITERIMA?
(Jika TIDAK, sila nyatakan ulasan di ruangan yang disediakan)

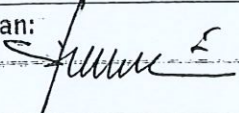
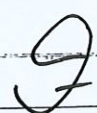
	✓	X		✓	X
Joint No. = 180	/		Joint No. = 191		
Joint No. = 181	/		Joint No. = 192	/	
Joint No. = 182	/		Joint No. = 193	/	
Joint No. = 183	/		Joint No. = 194	/	
Joint No. = 184	/		Joint No. = 195	/	
Joint No. = 185	/		Joint No. = 196	/	
Joint No. = 186	/		Joint No. = 197	/	
Joint No. = 187	/		Joint No. = 198	/	
Joint No. = 189	/		Joint No. =		
Joint No. = 190	/		Joint No. =		

Ulasan:

.....

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.....

Dikendalikan oleh:	Diperiksa dan disahkan oleh:
Tandatangan: 	Tandatangan: 
Nama Kontraktor: <u>SHAHUDIN B. HASSAN</u>	Nama Kontrak Inspektor: <u>MUHAMAD AZRI BIN ABDUL AZIZ</u> INSPEKTOR KONTRAK PONTIAN JABATAN PROJEK RANHILL SAJ SDN. BHD.
No. Anggota: <u>199</u>	No. Anggota: <u>21/1/2023</u>
Tarikh: <u>2/1/2023</u>	Tarikh: <u>2/1/2023</u>

**Dokumen yang perlu diserahkan kepada Contract Inspector: Gambar penyambungan dan laporan daripada Data Logger.



ZAID BIN ABDULLAH SATARI
Engineer

Projek:	PROGRAM PENGANTIAN PAIP LAMA BAGI TAHUN 2020- PAKET 2
Nama :	SHARUDDIN BIN HASTAN
No sijil:	199
Nama syarikat:	JALUR CAHAYA SDN BHD
Tarikh dan Masa:	2/1/2023

KRITERIA	✓	X
KEADAAN TAPAK		
Kawasan tapak berada dalam keadaan yang bersih dan kering.	/	
KEADAAN BAHAN DAN PERALATAN		
Peralatan berada dalam keadaan baik dan bersih.	/	
Fittings berada dalam bungkusan? Jika ya, periksa fittings jika terdapat kerosakan. Jika tidak, reject fittings.	/	
Peralatan adalah mencukupi sebelum kerja penyambungan dilakukan.	/	
- Fusion machine	/	
- Universal pipe cutter	/	
- Rotational pipe scraper	/	
- Marker	/	
- Isopropyl Alcohol (IPA)	/	
- Kain bersih	/	
- Generator	/	
Kawasan penyambungan paip berada dalam keadaan yang bersih dan kering.	/	
PEMERIKSAAN SELEPAS PROSES PENYAMBUNGAN ELECTRO-FUSION		
1) Melt indicator pada fittings timbul.		
Nama Jalan:	PN 12/13 - JLN PT KASAN	
	✓	X
Joint No. = 199	/	
Joint No. = 200	/	
Joint No. = 201	/	
Joint No. = 202	/	
Joint No. = 203	/	
Joint No. = 204	/	
Joint No. = 205	/	
Joint No. =		
Joint No. =		
Joint No. =		
Joint No. =		
2) Hujung paip dipotong dengan tegak dan lurus.		
Nama Jalan:	PN 12/13 - JLN PT KASAN	
	✓	X
Joint No. = 199	/	
Joint No. = 200	/	
Joint No. = 201	/	
Joint No. = 202	/	
Joint No. = 203	/	
Joint No. = 204	/	
Joint No. = 205	/	
Joint No. =		
Joint No. =		
Joint No. =		
Joint No. =		

3) Penyambungan paip yang dilakukan berada dalam keadaan selari.

Nama Jalan: PN12/13 - JLN PT KASAN

	✓	X		✓	X
Joint No. = 199	/		Joint No. =		
Joint No. = 200	/		Joint No. =		
Joint No. = 201	/		Joint No. =		
Joint No. = 202	/		Joint No. =		
Joint No. = 203	/		Joint No. =		
Joint No. = 204	/		Joint No. =		
Joint No. = 205	/		Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		

4) Kawasan yang telah dikikis (scrapped) boleh dilihat.

Nama Jalan: PN12/13 - JLN PT KASAN

	✓	X		✓	X
Joint No. = 199	/		Joint No. =		
Joint No. = 200	/		Joint No. =		
Joint No. = 201	/		Joint No. =		
Joint No. = 202	/		Joint No. =		
Joint No. = 203	/		Joint No. =		
Joint No. = 204	/		Joint No. =		
Joint No. = 205	/		Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		

5) Tanda pada paip (penetration depth) tepat dan boleh dilihat.

Nama Jalan: PN12/13 - JLN PT KASAN

	✓	X		✓	X
Joint No. = 199	/		Joint No. =		
Joint No. = 200	/		Joint No. =		
Joint No. = 201	/		Joint No. =		
Joint No. = 202	/		Joint No. =		
Joint No. = 203	/		Joint No. =		
Joint No. = 204	/		Joint No. =		
Joint No. = 205	/		Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		

6) Tiada kesan percikan paip yang telah cair atau apa-apa kerosakan pada permukaan luar paip yang telah disambung.

Nama Jalan: PN12/13 - JLN PT KASAN

	✓	X		✓	X
Joint No. = 199	/		Joint No. =		
Joint No. = 200	/		Joint No. =		
Joint No. = 201	/		Joint No. =		
Joint No. = 202	/		Joint No. =		
Joint No. = 203	/		Joint No. =		
Joint No. = 204	/		Joint No. =		
Joint No. = 205	/		Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		

7) Paip dan fittings yang disambung dibiarkan untuk sejuk mengikut tempoh masa yang ditetapkan.					
Nama Jalan: PN12/13 - JLN PT KASAN					
	✓	X		✓	X
Joint No. = 199	/		Joint No. =		
Joint No. = 200	/		Joint No. =		
Joint No. = 201	/		Joint No. =		
Joint No. = 202	/		Joint No. =		
Joint No. = 203	/		Joint No. =		
Joint No. = 204	/		Joint No. =		
Joint No. = 205	/		Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		

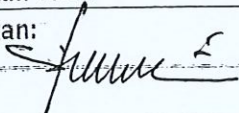
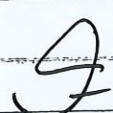
ADAKAH PENYAMBUNGAN ELECTRO-FUSION INI DITERIMA?					
(Jika TIDAK, sila nyatakan ulasan di ruangan yang disediakan)					
	✓	X		✓	X
Joint No. = 199	/		Joint No. =		
Joint No. = 200	/		Joint No. =		
Joint No. = 201	/		Joint No. =		
Joint No. = 202	/		Joint No. =		
Joint No. = 203	/		Joint No. =		
Joint No. = 204	/		Joint No. =		
Joint No. = 205	/		Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		

Ulasan:

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Dikendalikan oleh:	Diperiksa dan disahkan oleh:
Tandatangan: 	Tandatangan: 
Nama Kontraktor: SHARUDIN B. HASSAN	Nama Kontrak Inspektor: MUHAMAD AZRI BIN ABDUL AZIZ INSPEKTOR KONTRAK PONTIAN
No. Anggota: 199	No. Anggota: JABATAN PROJEK RANHILL SAI SDN. BHD.
Tarikh: 02/01/2023	Tarikh: 02/01/2023

**Dokumen yang perlu diserahkan kepada Contract Inspector: Gambar penyambungan dan laporan daripada Data Logger.


Zaidi Bin Abdullah Satari
Engineer

ELECTRO-FUSION MACHINE REPORT (COMM PIPE)

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 - API API
DATE	2/1/2023 (ISNIN)
LOCATION	13 - JALAN PT KASAN

20	20.12.22	13:05	31.3°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.679 Ohm	5.5 kJ	✓ OK
21	20.12.22	13:12	31.5°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.715 Ohm	5.7 kJ	✓ OK
180	02.01.23	11:31	30.5°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.755 Ohm	5.4 kJ	✓ OK
181	02.01.23	11:40	30.8°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.743 Ohm	5.4 kJ	✓ OK
182	02.01.23	11:50	31.6°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.728 Ohm	5.4 kJ	✓ OK
183	02.01.23	12:00	31.9°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.745 Ohm	5.4 kJ	✓ OK
184	02.01.23	12:12	32.4°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.683 Ohm	5.5 kJ	✓ OK
185	02.01.23	12:20	33.0°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.732 Ohm	5.4 kJ	✓ OK
186	02.01.23	12:26	32.8°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.737 Ohm	5.4 kJ	✓ OK
187	02.01.23	12:33	33.0°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.721 Ohm	5.4 kJ	✓ OK
188	02.01.23	14:07	34.5°C	FR	CPL	25 mm	28.0 V	0000 s/0027 s	0.00	0.0 kJ	✗ FAIL
189	02.01.23	14:10	34.0°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.782 Ohm	5.4 kJ	✓ OK
190	02.01.23	14:18	33.6°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.731 Ohm	5.4 kJ	✓ OK
191	02.01.23	14:28	33.7°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.710 Ohm	5.5 kJ	✓ OK
192	02.01.23	14:33	33.3°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.740 Ohm	5.4 kJ	✓ OK
193	02.01.23	14:43	32.9°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.743 Ohm	5.4 kJ	✓ OK
194	02.01.23	14:49	33.6°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.733 Ohm	5.4 kJ	✓ OK
195	02.01.23	14:56	33.8°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.757 Ohm	5.4 kJ	✓ OK
196	02.01.23	15:03	33.3°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.755 Ohm	5.4 kJ	✓ OK
197	02.01.23	15:10	33.4°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.738 Ohm	5.4 kJ	✓ OK
198	02.01.23	15:17	33.4°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.736 Ohm	5.4 kJ	✓ OK
199	02.01.23	15:24	33.9°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.736 Ohm	5.4 kJ	✓ OK
200	02.01.23	15:31	33.6°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.672 Ohm	5.5 kJ	✓ OK
201	02.01.23	15:37	33.9°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.765 Ohm	5.4 kJ	✓ OK
202	02.01.23	15:43	33.5°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.732 Ohm	5.4 kJ	✓ OK
203	02.01.23	15:51	33.0°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.730 Ohm	5.4 kJ	✓ OK
204	02.01.23	15:57	33.2°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.732 Ohm	5.4 kJ	✓ OK
205	02.01.23	16:03	33.1°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.720 Ohm	5.4 kJ	✓ OK

Disediakan Oleh:

ZAIDU ABUABDULLAH SATARI
Enjin

Kontraktor



Disemak Oleh:

Inspektor Kontrak (D)

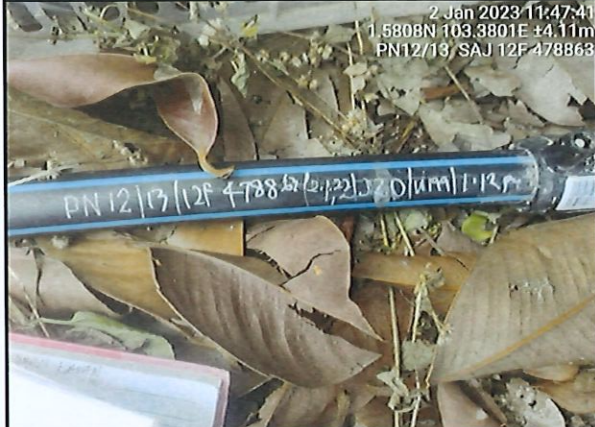
MUHAMAD AZRI BIN ABDUL AZIZ
INSPEKTOR KONTRAK PONTIAN
JABATAN PROJEK
RANHILL SAJ SDN. BHD.

Disahkan Oleh:

Eksekutif

MORSILAWATI BINTI ALI
EKSEKUTIF
JABATAN PROJEK
RANHILL SAJ SDN. BHD.

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	2/1/2023 (ISNIN)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 12F478863
	No. rumah :
	Semasa kerja (EF)
	Joint number: 20



REMARKS	No. meter : SAJ 12F478863
	No. rumah :
	Semasa kerja (EF)
	Joint number: 21



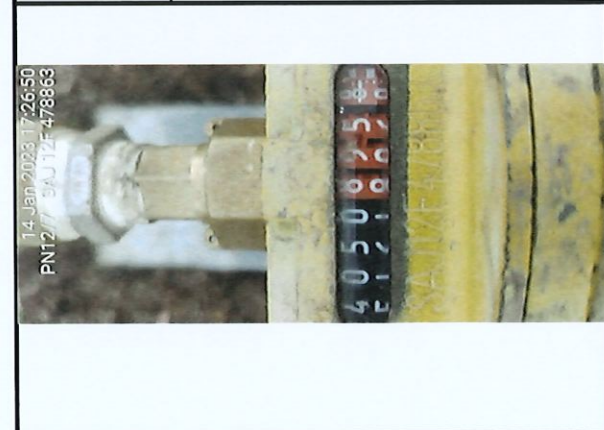
REMARKS	No. meter : SAJ 12F478863
	No. rumah :
	Semasa kerja (EF)
	Joint number: 180



REMARKS	No. meter : SAJ 12F478863
	No. rumah :
	Semasa kerja



REMARKS	No. meter : SAJ 12F478863
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 12F478863
	No. rumah :
	Selepas kerja



PROGRAM PENGGANTIAN PAIP LAMA BAGI TAHUN 2020 DI NEGERI JOHOR
PAKEJ 2 : DAERAH JOHOR BAHRU, KULAI, PONTIAN, KOTA TINGGI DAN
MERSING
COMMUNICATION PIPE WORKS



SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	2/1/2023 (ISNIN)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 12F478863
	No. rumah :
	Selepas kerja (s/s crossing)

REMARKS	

REMARKS	

REMARKS	

REMARKS	

REMARKS	

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	2/1/2023 (ISNIN)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 15A59027
	No. rumah :
	Semasa kerja (EF)
	Joint number: 181



REMARKS	No. meter : SAJ 15A59027
	No. rumah :
	Semasa kerja (EF)
	Joint number: 182



REMARKS	No. meter : SAJ 15A59027
	No. rumah :
	Semasa kerja (EF)
	Joint number: 183



REMARKS	No. meter : SAJ 15A59027
	No. rumah :
	Semasa kerja



REMARKS	No. meter : SAJ 15A59027
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 15A59027
	No. rumah :
	Selepas kerja



PROGRAM PENGANTIAN PAIP LAMA BAGI TAHUN 2020 DI NEGERI JOHOR
PAKEJ 2 : DAERAH JOHOR BAHRU, KULAI, PONTIAN, KOTA TINGGI DAN
MERSING
COMMUNICATION PIPE WORKS



SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	2/1/2023 (ISNIN)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 15A59027
	No. rumah :
	Selepas kerja (s/s crossing)

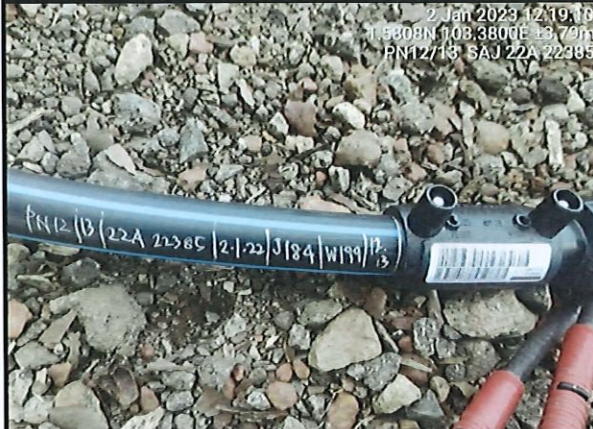
REMARKS	

REMARKS	

REMARKS	

REMARKS	

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	2/1/2023 (ISNIN)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 22A22385
	No. rumah :
	Semasa kerja (EF)
	Joint number: 184



REMARKS	No. meter : SAJ 22A22385
	No. rumah :
	Semasa kerja (EF)
	Joint number: 185



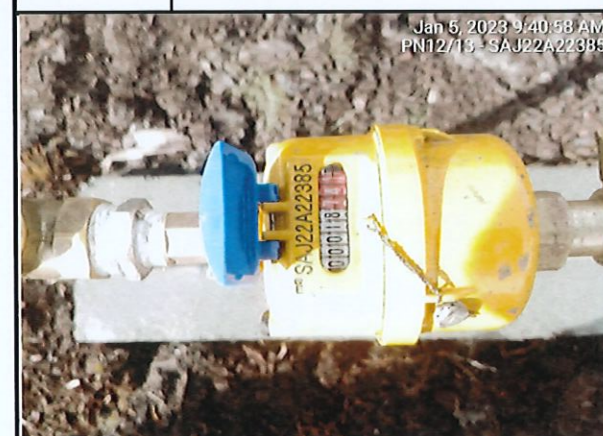
REMARKS	No. meter : SAJ 22A22385
	No. rumah :
	Semasa kerja (EF)
	Joint number: 186



REMARKS	No. meter : SAJ 22A22385
	No. rumah :
	Semasa kerja



REMARKS	No. meter : SAJ 22A22385
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 22A22385
	No. rumah :
	Selepas kerja



PROGRAM PENGGANTIAN PAIP LAMA BAGI TAHUN 2020 DI NEGERI JOHOR
PAKEJ 2 : DAERAH JOHOR BAHRU, KULAI, PONTIAN, KOTA TINGGI DAN
MERSING



COMMUNICATION PIPE WORKS

SUB PACKAGE	PONTIAN (PTN10)		
DMA	PN12 API-API		
DATE	2/1/2023 (ISNIN)		
LOCATION	13 - JALAN PARIT KASAN		
			
REMARKS	No. meter : SAJ 22A22385		
	No. rumah :		
	Selepas kerja (s/s crossing)		
REMARKS			
REMARKS			
REMARKS			

COMMUNICATION PIPE WORKS

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	2/1/2023 (ISNIN)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 19H03338
	No. rumah :
	Semasa kerja (EF)
	Joint number: 187



REMARKS	No. meter : SAJ 19H03338
	No. rumah :
	Semasa kerja (EF)
	Joint number: 189



REMARKS	No. meter : SAJ 19H03338
	No. rumah :
	Semasa kerja (EF)
	Joint number: 190



REMARKS	No. meter : SAJ 19H03338
	No. rumah :
	Semasa kerja



REMARKS	No. meter : SAJ 19H03338
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 19H03338
	No. rumah :
	Selepas kerja



PROGRAM PENGANTIAN PAIP LAMA BAGI TAHUN 2020 DI NEGERI JOHOR
PAKEJ 2 : DAERAH JOHOR BAHRU, KULAI, PONTIAN, KOTA TINGGI DAN
MERSING
COMMUNICATION PIPE WORKS



SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	2/1/2023 (ISNIN)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 19H03338
	No. rumah :
	Selepas kerja (s/s crossing)

REMARKS	

REMARKS	

REMARKS	

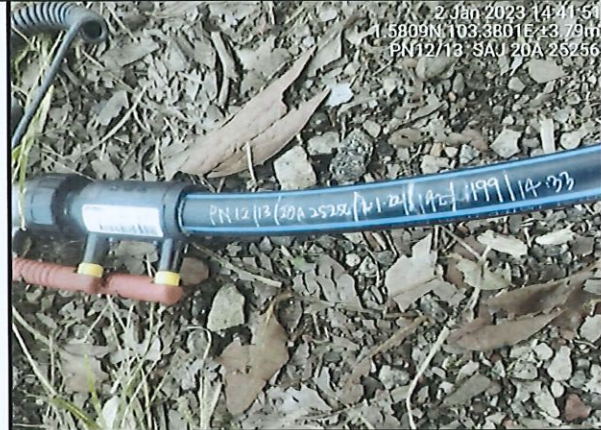
REMARKS	

REMARKS	

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	2/1/2023 (ISNIN)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 20A25256
	No. rumah :
	Semasa kerja (EF)
	Joint number: 191



REMARKS	No. meter : SAJ 20A25256
	No. rumah :
	Semasa kerja (EF)
	Joint number: 192



REMARKS	No. meter : SAJ 20A25256
	No. rumah :
	Semasa kerja (EF)
	Joint number: 193



REMARKS	No. meter : SAJ 20A25256
	No. rumah :
	Semasa kerja



REMARKS	No. meter : SAJ 20A25256
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 20A25256
	No. rumah :
	Selepas kerja



PROGRAM PENGANTIAN PAIP LAMA BAGI TAHUN 2020 DI NEGERI JOHOR
PAKEJ 2 : DAERAH JOHOR BAHRU, KULAI, PONTIAN, KOTA TINGGI DAN
MERSING
COMMUNICATION PIPE WORKS



SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	2/1/2023 (ISNIN)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 20A25256
	No. rumah :
	Selepas kerja (s/s crossing)

REMARKS	

REMARKS	

REMARKS	

REMARKS	

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	2/1/2023 (ISNIN)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 15A31977
	No. rumah :
	Semasa kerja (EF)
	Joint number: 194



REMARKS	No. meter : SAJ 15A31977
	No. rumah :
	Semasa kerja (EF)
	Joint number: 195



REMARKS	No. meter : SAJ 15A31977
	No. rumah :
	Semasa kerja (EF)
	Joint number: 196



REMARKS	No. meter : SAJ 15A31977
	No. rumah :
	Semasa kerja



REMARKS	No. meter : SAJ 15A31977
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 15A31977
	No. rumah :
	Selepas kerja



PROGRAM PENGGANTIAN PAIP LAMA BAGI TAHUN 2020 DI NEGERI JOHOR
PAKEJ 2 : DAERAH JOHOR BAHRU, KULAI, PONTIAN, KOTA TINGGI DAN
MERSING



COMMUNICATION PIPE WORKS

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	2/1/2023 (ISNIN)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 15A31977
	No. rumah :
	Selepas kerja (s/s crossing)

REMARKS	

REMARKS	

REMARKS	

REMARKS	

REMARKS	



PROGRAM PENGGANTIAN PAIP LAMA BAGI TAHUN 2020 DI NEGERI JOHOR
PAKEJ 2 : DAERAH JOHOR BAHRU, KULAI, PONTIAN, KOTA TINGGI DAN
MERSING



COMMUNICATION PIPE WORKS

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	2/1/2023 (ISNIN)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 20A39377
	No. rumah :
	Semasa kerja (EF)
	Joint number: 197



REMARKS	No. meter : SAJ 20A39377
	No. rumah :
	Semasa kerja (EF)
	Joint number: 198



REMARKS	No. meter : SAJ 20A39377
	No. rumah :
	Semasa kerja (EF)
	Joint number: 199



REMARKS	No. meter : SAJ 20A39377
	No. rumah :
	Semasa kerja



REMARKS	No. meter : SAJ 20A39377
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 20A39377
	No. rumah :
	Selepas kerja



PROGRAM PENGGANTIAN PAIP LAMA BAGI TAHUN 2020 DI NEGERI JOHOR
PAKEJ 2 : DAERAH JOHOR BAHRU, KULAI, PONTIAN, KOTA TINGGI DAN
MERSING



COMMUNICATION PIPE WORKS

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	2/1/2023 (ISNIN)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 20A39377
	No. rumah :
	Selepas kerja (s/s crossing)

REMARKS	

REMARKS	

REMARKS	

REMARKS	

REMARKS	

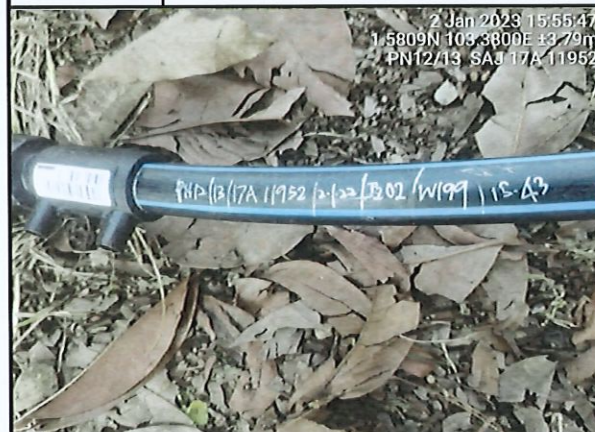
SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	2/1/2023 (ISNIN)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 17A11952
	No. rumah :
	Semasa kerja (EF)
	Joint number: 200



REMARKS	No. meter : SAJ 17A11952
	No. rumah :
	Semasa kerja (EF)
	Joint number: 201



REMARKS	No. meter : SAJ 17A11952
	No. rumah :
	Semasa kerja (EF)
	Joint number: 202



REMARKS	No. meter : SAJ 17A11952
	No. rumah :
	Semasa kerja



REMARKS	No. meter : SAJ 17A11952
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 17A11952
	No. rumah :
	Selepas kerja



PROGRAM PENGGANTIAN PAIP LAMA BAGI TAHUN 2020 DI NEGERI JOHOR
PAKEJ 2 : DAERAH JOHOR BAHRU, KULAI, PONTIAN, KOTA TINGGI DAN
MERSING
COMMUNICATION PIPE WORKS



SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	2/1/2023 (ISNIN)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 17A11952
	No. rumah :
	Selepas kerja (s/s crossing)

REMARKS	

REMARKS	

REMARKS	

REMARKS	

REMARKS	



PROGRAM PENGGANTIAN PAIP LAMA BAGI TAHUN 2020 DI NEGERI JOHOR
PAKEJ 2 : DAERAH JOHOR BAHRU, KULAI, PONTIAN, KOTA TINGGI DAN
MERSING
COMMUNICATION PIPE WORKS



SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	2/1/2023 (ISNIN)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 14A25960
	No. rumah :
	Semasa kerja (EF)
	Joint number: 203



REMARKS	No. meter : SAJ 14A25960
	No. rumah :
	Semasa kerja (EF)
	Joint number: 204



REMARKS	No. meter : SAJ 14A25960
	No. rumah :
	Semasa kerja (EF)
	Joint number: 205



REMARKS	No. meter : SAJ 14A25960
	No. rumah :
	Semasa kerja



REMARKS	No. meter : SAJ 14A25960
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 14A25960
	No. rumah :
	Selepas kerja



PROGRAM PENGGANTIAN PAIP LAMA BAGI TAHUN 2020 DI NEGERI JOHOR
PAKEJ 2 : DAERAH JOHOR BAHRU, KULAI, PONTIAN, KOTA TINGGI DAN
MERSING
COMMUNICATION PIPE WORKS



SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	2/1/2023 (ISNIN)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 14A25960
	No. rumah :
	Selepas kerja (s/s crossing)

REMARKS	

REMARKS	

REMARKS	

REMARKS	

REMARKS	

PIPE LOG

Location

: REHAB 2020 - PAKEJ 2 (SP 10)
PN12/13 - JLN PT KASAN

Sheet No. :

4

Date :

3/1/2023

CHAINAGE	EXC. DEPTH	SKETCHED DRWG.	TRECH EXCAVATION
			a) Depth < 1.8 m m
			b) Depth > 1.8 m < 3.0 m m
			c) Road Cutting m
			d) Track/Gravel/Earth Road sq.m
			e) Concrete Surface sq.m
			f) Cross Hedges/Fences/Wall sq.m
			g) Road Kerb m
			h) Under water earth drain sq.m
			i) Under concrete drain/culvert sq.m
			j) In rock cu.m
			k) Unsuitable Material cu.m
			REINSTATEMENT ROAD
			a) Sand Filling cu.m
			b) Crusher Run sq.m
			c) Binder Course sq.m
			d) Wearing Course sq.m
			e) Milling/Resurfacing sq.m
			f) Thermoplastic Line Marking m
			PIPE DIA.(mm) NOS L (m)
			HDPE 25 - 105.90
			S/STEEL 20 - 21.90
			EXPOSE PIPE & SPECIAL
			m
			m
			nos
			nos
			sq.m
			SPECIAL / FITTINGS
			150MM SADDLE (TYPE B) nos
			20MM METER STAND nos 10.00
			ELECTRO FUSION (30) nos
			nos
			nos
			nos
			nos
			nos
			nos
			nos
			nos
			nos
			nos
			nos
			Comments / Reports

SKETCHED DRWG.

Saddle (Type B) 150mm

JLN PT KASAN

EARTH DRAIN

15A46298

17A102586

20A25830

12A39266

15A46153

17A71692

14A25846

14A75117

NO METER

15A59021

CHIPPING sq.m

PILING

Kayu Bakau m

Type of Pile UPVC

Size mm 80

Length (Initial) m

Length (Extention) m

Join Welding nos

Cut Pile (1m) nos

Linalox Rubber sq.m

MS Strap/Bracing nos

Prepared By: **ABDULLAH SATARI**

Checked and Approved By: **MUHAMAD AZRI BIN ABDUL AZIZ**

Date: **24/1/2023**

TRECH EXCAVATION

a) Depth < 1.8 m m

b) Depth > 1.8 m < 3.0 m m

c) Road Cutting m

d) Track/Gravel/Earth Road sq.m

e) Concrete Surface sq.m

f) Cross Hedges/Fences/Wall sq.m

g) Road Kerb m

h) Under water earth drain sq.m

i) Under concrete drain/culvert sq.m

j) In rock cu.m

k) Unsuitable Material cu.m

REINSTATEMENT ROAD

a) Sand Filling cu.m

b) Crusher Run sq.m

c) Binder Course sq.m

d) Wearing Course sq.m

e) Milling/Resurfacing sq.m

f) Thermoplastic Line Marking m

PIPE

DIA.(mm) NOS L (m)

HDPE 25 - 105.90

S/STEEL 20 - 21.90

EXPOSE PIPE & SPECIAL

m

m

nos

nos

sq.m

SPECIAL / FITTINGS

150MM SADDLE (TYPE B) nos

20MM METER STAND nos 10.00

ELECTRO FUSION (30) nos

nos

nos

nos

nos

nos

nos

nos

nos

nos

nos

nos

nos

Comments / Reports

NOZIL AWATI BINTI ALI

EKSEKUTIF

JABATAN PROJEK

RANHILL SAJ SDN. BHD.



Ranhill
SAJ

RSAJ P-B107.Rev.4

DATA TAPPING DAN PAIP PERHUBUNGAN

PROGRAM PENGANTIAN PAIP LAMA TAHUN 2020

Nama Projek : PROGRAM PENGANTIAN PAIP LAMA BAGI TAHUN 2020

Nama Kontraktor : JALUR CAHAYA SDN BHD

Bil	Pipe	Size (mm)	No. Meter	No Rumah	Comm Pipe (m)		Lintas Parit		Bawah Jalan			Korekan (m2)			Catatan
					PA Pipe (m)	Poly Pipe (m)	GI Sleeve (m)	Stainless Steel (m)	Open Trench (m)	GI Sleeve (m)	Impact Molling	Jubin	Konkrit	Longkang	
1	UPVC	150	15A59021			13.50		2.50							
2	UPVC	150	No Meter			10.20		2.50							
3	UPVC	150	14A75117			7.30		2.70							
4	UPVC	150	14A25846			23.00		2.00							
5	UPVC	150	17A71692			6.90		2.50							
6	UPVC	150	15A46153			5.20		2.50							
7	UPVC	150	12A39266			13.80		1.50							
8	UPVC	150	20A25830			8.80		1.50							
9	UPVC	150	17A102586			9.00		2.00							
10	UPVC	150	15A46298			8.20		2.20							
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															
25															
26															
27															
28															
29															
30															
					0.00	105.90	0.00	21.90	0.00	0.00	0.00	0.00	0.00	0.00	

Disiapkan Oleh :
ZULKIFLI BIN ABDULLAH SATARI
Engineer

Kontraktor
Cop :



Disemak Oleh :
MUHAMAD AZRI BIN ABDUL AZIZ
INSPEKTOR KONTRAK PONTIAN
JABATAN PROJEK
RANHILL SAJ SDN. BHD.

Cop :

Disahkan Oleh :

Eksekutif
Cop :

NORSILAWATI BINTI ALI
EKSEKUTIF
JABATAN PROJEK
RANHILL SAJ SDN. BHD.

Projek:	PROGRAM PENGANTIAN PAIP LAMA BAGI TAHUN 2020- PAKET 2
Nama :	SHARUDIN BIN HASAN
No sijil:	199
Nama syarikat:	JALUR CAHAYA SDN BHD
Tarikh dan Masa:	3/1/2023

KRITERIA	✓	X
KEADAAN TAPAK		
Kawasan tapak berada dalam keadaan yang bersih dan kering.	/	
KEADAAN BAHAN DAN PERALATAN		
Peralatan berada dalam keadaan baik dan bersih.	/	
Fittings berada dalam bungkusan? Jika ya, periksa fittings jika terdapat kerosakan. Jika tidak, reject fittings.	/	
Peralatan adalah mencukupi sebelum kerja penyambungan dilakukan.	/	
- Fusion machine	/	
- Universal pipe cutter	/	
- Rotational pipe scraper	/	
- Marker	/	
- Isopropyl Alcohol (IPA)	/	
- Kain bersih	/	
- Generator	/	
Kawasan penyambungan paip berada dalam keadaan yang bersih dan kering.	/	

PEMERIKSAAN SELEPAS PROSES PENYAMBUNGAN ELECTRO-FUSION

1) Melt indicator pada fittings timbul.

Nama Jalan: PN12/13 - JLN PT KASAN

	✓	X		✓	X
Joint No. = 206	/		Joint No. = 216	/	
Joint No. = 207	/		Joint No. = 217	/	
Joint No. = 208	/		Joint No. = 218	/	
Joint No. = 209	/		Joint No. = 219	/	
Joint No. = 210	/		Joint No. = 220	/	
Joint No. = 211	/		Joint No. = 221	/	
Joint No. = 212	/		Joint No. = 222	/	
Joint No. = 213	/		Joint No. = 223	/	
Joint No. = 214	/		Joint No. = 224	/	
Joint No. = 215	/		Joint No. = 225	/	

2) Hujung paip dipotong dengan tegak dan lurus.

Nama Jalan: PN 12/13 - JLN PT KASAN

	✓	X		✓	X
Joint No. = 206	/		Joint No. = 216	/	
Joint No. = 207	/		Joint No. = 217	/	
Joint No. = 208	/		Joint No. = 218	/	
Joint No. = 209	/		Joint No. = 219	/	
Joint No. = 210	/		Joint No. = 220	/	
Joint No. = 211	/		Joint No. = 221	/	
Joint No. = 212	/		Joint No. = 222	/	
Joint No. = 213	/		Joint No. = 223	/	
Joint No. = 214	/		Joint No. = 224	/	
Joint No. = 215	/		Joint No. = 225	/	

3) Penyambungan paip yang dilakukan berada dalam keadaan selari.

Nama Jalan: PN12/13 - JLN PT KASAN

	✓	X		✓	X
Joint No. = 206	/		Joint No. = 206	/	
Joint No. = 207	/		Joint No. = 217	/	
Joint No. = 208	/		Joint No. = 219	/	
Joint No. = 209	/		Joint No. = 219	/	
Joint No. = 210	/		Joint No. = 220	/	
Joint No. = 211	/		Joint No. = 221	/	
Joint No. = 212	/		Joint No. = 222	/	
Joint No. = 213	/		Joint No. = 223	/	
Joint No. = 214	/		Joint No. = 224	/	
Joint No. = 215	/		Joint No. = 225	/	

4) Kawasan yang telah dikikis (scrapped) boleh dilihat.

Nama Jalan: PN12/13 - JLN PT KASAN

	✓	X		✓	X
Joint No. = 206	/		Joint No. = 216	/	
Joint No. = 207	/		Joint No. = 217	/	
Joint No. = 208	/		Joint No. = 218	/	
Joint No. = 209	/		Joint No. = 219	/	
Joint No. = 210	/		Joint No. = 220	/	
Joint No. = 211	/		Joint No. = 221	/	
Joint No. = 212	/		Joint No. = 222	/	
Joint No. = 213	/		Joint No. = 223	/	
Joint No. = 214	/		Joint No. = 224	/	
Joint No. = 215	/		Joint No. = 225	/	

5) Tanda pada paip (penetration depth) tepat dan boleh dilihat.

Nama Jalan: PN12/13 - JLN PT KASAN

	✓	X		✓	X
Joint No. = 206	/		Joint No. = 216	/	
Joint No. = 207	/		Joint No. = 217	/	
Joint No. = 208	/		Joint No. = 218	/	
Joint No. = 209	/		Joint No. = 219	/	
Joint No. = 210	/		Joint No. = 220	/	
Joint No. = 211	/		Joint No. = 221	/	
Joint No. = 212	/		Joint No. = 222	/	
Joint No. = 213	/		Joint No. = 223	/	
Joint No. = 214	/		Joint No. = 224	/	
Joint No. = 215	/		Joint No. = 225	/	

6) Tiada kesan percikan paip yang telah cair atau apa-apa kerosakan pada permukaan luar paip yang telah disambung.

Nama Jalan: PN12/13 - JLN PT KASAN

	✓	X		✓	X
Joint No. = 206	/		Joint No. = 216	/	
Joint No. = 207	/		Joint No. = 217	/	
Joint No. = 208	/		Joint No. = 218	/	
Joint No. = 209	/		Joint No. = 219	/	
Joint No. = 210	/		Joint No. = 220	/	
Joint No. = 211	/		Joint No. = 221	/	
Joint No. = 212	/		Joint No. = 222	/	
Joint No. = 213	/		Joint No. = 223	/	
Joint No. = 214	/		Joint No. = 224	/	
Joint No. = 215	/		Joint No. = 225	/	

7) Paip dan fittings yang disambung dibiarkan untuk sejuk mengikut tempoh masa yang ditetapkan.

Nama Jalan: PN12/13 - JLN PT KASAN

	✓	X		✓	X
Joint No. = <u>206</u>	/		Joint No. = <u>216</u>	/	
Joint No. = <u>207</u>	/		Joint No. = <u>217</u>	/	
Joint No. = <u>208</u>	/		Joint No. = <u>218</u>	/	
Joint No. = <u>209</u>	/		Joint No. = <u>219</u>	/	
Joint No. = <u>210</u>	/		Joint No. = <u>220</u>	/	
Joint No. = <u>211</u>	/		Joint No. = <u>221</u>	/	
Joint No. = <u>212</u>	/		Joint No. = <u>222</u>	/	
Joint No. = <u>213</u>	/		Joint No. = <u>223</u>	/	
Joint No. = <u>214</u>	/		Joint No. = <u>224</u>	/	
Joint No. = <u>215</u>	/		Joint No. = <u>225</u>	/	

ADAKAH PENYAMBUNGAN *ELECTRO-FUSION* INI DITERIMA?
(Jika TIDAK, sila nyatakan ulasan di ruangan yang disediakan)

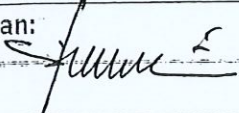
	✓	X		✓	X
Joint No. = <u>206</u>	/		Joint No. = <u>216</u>	/	
Joint No. = <u>207</u>	/		Joint No. = <u>217</u>	/	
Joint No. = <u>208</u>	/		Joint No. = <u>218</u>	/	
Joint No. = <u>209</u>	/		Joint No. = <u>219</u>	/	
Joint No. = <u>210</u>	/		Joint No. = <u>220</u>	/	
Joint No. = <u>211</u>	/		Joint No. = <u>221</u>	/	
Joint No. = <u>212</u>	/		Joint No. = <u>222</u>	/	
Joint No. = <u>213</u>	/		Joint No. = <u>223</u>	/	
Joint No. = <u>214</u>	/		Joint No. = <u>224</u>	/	
Joint No. = <u>215</u>	/		Joint No. = <u>225</u>	/	

Ulasan:

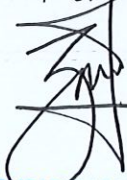
.....

.....

.....

Dikendalikan oleh:	Diperiksa dan disahkan oleh:
Tandatangan: 	Tandatangan: 
Nama Kontraktor: <u>SHAHRUDIN B. HASSAN</u>	Nama Kontrak Inspektor: <u>MUHAMAD AZRI BIN ABDUL AZIZ</u> <u>INSPEKTOR KONTRAK PONTIAN</u>
No. Anggota: <u>199</u>	No. Anggota: <u>JABATAN PROJEK</u> <u>RANHILL SAJ SDN. BHD.</u>
Tarikh: <u>03/01/2023</u>	Tarikh: <u>3/1/2023</u>

**Dokumen yang perlu diserahkan kepada Contract Inspector: Gambar penyambungan dan laporan daripada Data Logger.



Zaidi Bin Abdullah Satari
Engineer

Projek:	PROGRAM PENGANTIAN PAIP LAMA RACTI TAHUN 2020- PAKET 2
Nama :	SHARUDIN BIN HASAN
No sijil:	199
Nama syarikat:	JALUR CAHAYA SDN BHD
Tarikh dan Masa:	21/1/2022

KRITERIA	✓	X
KEADAAN TAPAK		
Kawasan tapak berada dalam keadaan yang bersih dan kering.	/	
KEADAAN BAHAN DAN PERALATAN		
Peralatan berada dalam keadaan baik dan bersih.	/	
Fittings berada dalam bungkusan? Jika ya, periksa fittings jika terdapat kerosakan. Jika tidak, reject fittings.	/	
Peralatan adalah mencukupi sebelum kerja penyambungan dilakukan.	/	
- Fusion machine	/	
- Universal pipe cutter	/	
- Rotational pipe scraper	/	
- Marker	/	
- Isopropyl Alcohol (IPA)	/	
- Kain bersih	/	
- Generator	/	
Kawasan penyambungan paip berada dalam keadaan yang bersih dan kering.	/	
PEMERIKSAAN SELEPAS PROSES PENYAMBUNGAN ELECTRO-FUSION		
1) Melt indicator pada fittings timbul.		
Nama Jalan:	PN12/13 - JLN PT KASAN	
	✓	X
Joint No. = 226	/	
Joint No. = 227	/	
Joint No. = 228	/	
Joint No. = 229	/	
Joint No. = 230	/	
Joint No. = 231	/	
Joint No. = 232	/	
Joint No. = 233	/	
Joint No. = 234	/	
Joint No. = 235	/	
2) Hujung paip dipotong dengan tegak dan lurus.		
Nama Jalan:	PN12/13 - JLN PT KASAN	
	✓	X
Joint No. = 226	/	
Joint No. = 227	/	
Joint No. = 228	/	
Joint No. = 229	/	
Joint No. = 230	/	
Joint No. = 231	/	
Joint No. = 232	/	
Joint No. = 233	/	
Joint No. = 234	/	
Joint No. = 235	/	

3) Penyambungan paip yang dilakukan berada dalam keadaan selari.

Nama Jalan: PN12/13 - JLN PT KASAN

	✓	X		✓	X
Joint No. = 226	/		Joint No. =		
Joint No. = 227	/		Joint No. =		
Joint No. = 228	/		Joint No. =		
Joint No. = 229	/		Joint No. =		
Joint No. = 230	/		Joint No. =		
Joint No. = 231	/		Joint No. =		
Joint No. = 232	/		Joint No. =		
Joint No. = 233	/		Joint No. =		
Joint No. = 234	/		Joint No. =		
Joint No. = 235	/		Joint No. =		

4) Kawasan yang telah dikikis (scrapped) boleh dilihat.

Nama Jalan: PN12/13 - JLN PT KASAN

	✓	X		✓	X
Joint No. = 226	/		Joint No. =		
Joint No. = 227	/		Joint No. =		
Joint No. = 228	/		Joint No. =		
Joint No. = 229	/		Joint No. =		
Joint No. = 230	/		Joint No. =		
Joint No. = 231	/		Joint No. =		
Joint No. = 232	/		Joint No. =		
Joint No. = 233	/		Joint No. =		
Joint No. = 234	/		Joint No. =		
Joint No. = 235	/		Joint No. =		

5) Tanda pada paip (penetration depth) tepat dan boleh dilihat.

Nama Jalan: PN12/13 - JLN PT KASAN

	✓	X		✓	X
Joint No. = 226	/		Joint No. =		
Joint No. = 227	/		Joint No. =		
Joint No. = 228	/		Joint No. =		
Joint No. = 229	/		Joint No. =		
Joint No. = 230	/		Joint No. =		
Joint No. = 231	/		Joint No. =		
Joint No. = 232	/		Joint No. =		
Joint No. = 233	/		Joint No. =		
Joint No. = 234	/		Joint No. =		
Joint No. = 235	/		Joint No. =		

6) Tiada kesan percikan paip yang telah cair atau apa-apa kerosakan pada permukaan luar paip yang telah disambung.

Nama Jalan: PN12/13 - JLN PT KASAN

	✓	X		✓	X
Joint No. = 226	/		Joint No. =		
Joint No. = 227	/		Joint No. =		
Joint No. = 228	/		Joint No. =		
Joint No. = 229	/		Joint No. =		
Joint No. = 230	/		Joint No. =		
Joint No. = 231	/		Joint No. =		
Joint No. = 232	/		Joint No. =		
Joint No. = 233	/		Joint No. =		
Joint No. = 234	/		Joint No. =		
Joint No. = 235	/		Joint No. =		

7) Paip dan fittings yang disambung dibiarkan untuk sejuk mengikut tempoh masa yang ditetapkan.					
Nama Jalan: <u>PN12/13 - JLN PT KASAN</u>					
	✓	X		✓	X
Joint No. = <u>226</u>	/		Joint No. =		
Joint No. = <u>227</u>	/		Joint No. =		
Joint No. = <u>228</u>	/		Joint No. =		
Joint No. = <u>229</u>	/		Joint No. =		
Joint No. = <u>230</u>	/		Joint No. =		
Joint No. = <u>231</u>	/		Joint No. =		
Joint No. = <u>232</u>	/		Joint No. =		
Joint No. = <u>233</u>	/		Joint No. =		
Joint No. = <u>234</u>	/		Joint No. =		
Joint No. = <u>235</u>	/		Joint No. =		

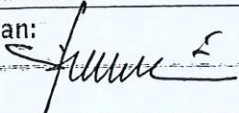
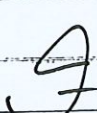
ADAKAH PENYAMBUNGAN ELECTRO-FUSION INI DITERIMA?					
(Jika TIDAK, sila nyatakan ulasan di ruangan yang disediakan)					
	✓	X		✓	X
Joint No. = <u>226</u>	/		Joint No. =		
Joint No. = <u>227</u>	/		Joint No. =		
Joint No. = <u>228</u>	/		Joint No. =		
Joint No. = <u>229</u>	/		Joint No. =		
Joint No. = <u>230</u>	/		Joint No. =		
Joint No. = <u>231</u>	/		Joint No. =		
Joint No. = <u>232</u>	/		Joint No. =		
Joint No. = <u>233</u>	/		Joint No. =		
Joint No. = <u>234</u>	/		Joint No. =		
Joint No. = <u>235</u>	/		Joint No. =		

Ulasan:

.....

.....

.....

Dikendalikan oleh:	Diperiksa dan disahkan oleh:
Tandatangan: 	Tandatangan: 
Nama Kontraktor: <u>SHAHRUDIN B. HASSAN</u>	Nama Kontrak Inspektor: <u>MUHAMAD AZRI BIN ABDUL AZIZ</u> <u>INSPEKTOR KONTRAK PONTIAN</u>
No. Anggota: <u>199</u>	No. Anggota: <u>JABATAN PROJEK</u> <u>RANHILL SAJ SDN. BHD.</u>
Tarikh: <u>03/01/2023</u>	Tarikh: <u>3/01/2023</u>

**Dokumen yang perlu diserahkan kepada Contract Inspector: Gambar penyambungan dan laporan daripada Data Logger.



ZAIDI BIN ABDULLAH SATARI
Engineer

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 - API API
DATE	3/1/2023 (SELASA)
LOCATION	13 - JALAN PT KASAN

206	03.01.23	11:56	31.6°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.692 Ohm	5.5 kJ	✓ OK
207	03.01.23	12:07	32.9°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.730 Ohm	5.4 kJ	✓ OK
208	03.01.23	12:14	32.4°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.688 Ohm	5.5 kJ	✓ OK
209	03.01.23	12:23	32.1°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.714 Ohm	5.5 kJ	✓ OK
210	03.01.23	12:32	31.7°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.745 Ohm	5.4 kJ	✓ OK
211	03.01.23	12:41	32.1°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.730 Ohm	5.4 kJ	✓ OK
212	03.01.23	12:49	32.4°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.724 Ohm	5.4 kJ	✓ OK
213	03.01.23	12:56	32.7°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.685 Ohm	5.5 kJ	✓ OK
214	03.01.23	13:05	32.9°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.754 Ohm	5.4 kJ	✓ OK
215	03.01.23	13:16	33.2°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.746 Ohm	5.4 kJ	✓ OK
216	03.01.23	13:22	33.9°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.776 Ohm	5.4 kJ	✓ OK
217	03.01.23	13:29	34.2°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.736 Ohm	5.4 kJ	✓ OK
218	03.01.23	13:39	34.2°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.718 Ohm	5.5 kJ	✓ OK
219	03.01.23	13:49	35.4°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.754 Ohm	5.4 kJ	✓ OK
220	03.01.23	13:55	33.9°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.703 Ohm	5.5 kJ	✓ OK
221	03.01.23	14:06	33.4°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.735 Ohm	5.5 kJ	✓ OK
222	03.01.23	14:13	34.0°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.770 Ohm	5.4 kJ	✓ OK
223	03.01.23	14:23	34.2°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.713 Ohm	5.5 kJ	✓ OK
224	03.01.23	14:31	34.5°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.745 Ohm	5.4 kJ	✓ OK
225	03.01.23	14:37	34.6°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.722 Ohm	5.4 kJ	✓ OK
226	03.01.23	14:43	36.0°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.730 Ohm	5.4 kJ	✓ OK
227	03.01.23	14:53	35.1°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.718 Ohm	5.5 kJ	✓ OK
228	03.01.23	15:00	34.5°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.745 Ohm	5.5 kJ	✓ OK
229	03.01.23	15:09	35.4°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.694 Ohm	5.5 kJ	✓ OK
230	03.01.23	15:16	36.4°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.738 Ohm	5.4 kJ	✓ OK
231	03.01.23	15:22	37.8°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.765 Ohm	5.4 kJ	✓ OK
232	03.01.23	15:30	37.7°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.696 Ohm	5.5 kJ	✓ OK
233	03.01.23	15:38	35.9°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.770 Ohm	5.4 kJ	✓ OK
234	03.01.23	15:45	35.1°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.743 Ohm	5.4 kJ	✓ OK
235	03.01.23	15:51	35.1°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.725 Ohm	5.4 kJ	✓ OK

Disediakan Oleh:



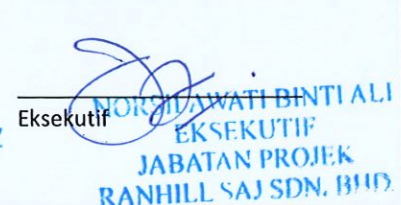
Kontraktor

Disemak Oleh:



Inspektor Kontrak (D)
MUHAMAD AZRI BIN ABDUL AZIZ
INSPEKTOR KONTRAK PONTIAN
JABATAN PROJEK
RANHILL SAJ SDN. BHD.

Disahkan Oleh:



Eksekutif
NORIDAWATI BINTI ALI
EKSEKUTIF
JABATAN PROJEK
RANHILL SAJ SDN. BHD.

COMMUNICATION PIPE WORKS

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	3/1/2023 (SELASA)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 15A59021
	No. rumah :
	Semasa kerja (EF)
	Joint number: 206



REMARKS	No. meter : SAJ 15A59021
	No. rumah :
	Semasa kerja (EF)
	Joint number: 208



REMARKS	No. meter : SAJ 15A59021
	No. rumah :
	Semasa kerja (EF)
	Joint number: 207



REMARKS	No. meter : SAJ 15A59021
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 15A59021
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 15A59021
	No. rumah :
	Selepas kerja



PROGRAM PENGGANTIAN PAIP LAMA BAGI TAHUN 2020 DI NEGERI JOHOR
PAKEJ 2 : DAERAH JOHOR BAHRU, KULAI, PONTIAN, KOTA TINGGI DAN
MERSING



COMMUNICATION PIPE WORKS

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	3/1/2023 (SELASA)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 15A59021
	No. rumah :
	Selepas kerja (s/s crossing)

REMARKS	

REMARKS	

REMARKS	

REMARKS	

REMARKS	

COMMUNICATION PIPE WORKS

SUB PACKAGE	PONTIAN (PTN10)		
DMA	PN12 API-API		
DATE	3/1/2023 (SELASA)		
LOCATION	13 - JALAN PARIT KASAN		
REMARKS			
	No. meter : NO METER		
	No. rumah :		
	Semasa kerja (EF)		
	Joint number: 210		
REMARKS			
	No. meter : NO METER		
	No. rumah :		
	Semasa kerja (EF)		
	Joint number: 211		
REMARKS			
	No. meter : NO METER		
	No. rumah :		
	Semasa kerja (EF)		
	Joint number: 209		
REMARKS			
	No. meter : NO METER		
	No. rumah :		
	Selepas kerja		
REMARKS			
	No. meter : NO METER		
	No. rumah :		
	Selepas kerja		
REMARKS			
	No. meter : NO METER		
	No. rumah :		
	Selepas kerja		



PROGRAM PENGANTIAN PAIP LAMA BAGI TAHUN 2020 DI NEGERI JOHOR
PAKEJ 2 : DAERAH JOHOR BAHRU, KULAI, PONTIAN, KOTA TINGGI DAN
MERSING



COMMUNICATION PIPE WORKS

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	3/1/2023 (SELASA)
LOCATION	13 - JALAN PARIT KASAN



Jan 5 2023 2:09:00 PM
1.5884N 103.3747E +9.65m
Ayer Baloi, 82100
Malaysia
PN 12/13 /NO METER

REMARKS	No. meter : NO METER
	No. rumah :
	Selepas kerja (s/s crossing)

REMARKS	

REMARKS	

REMARKS	

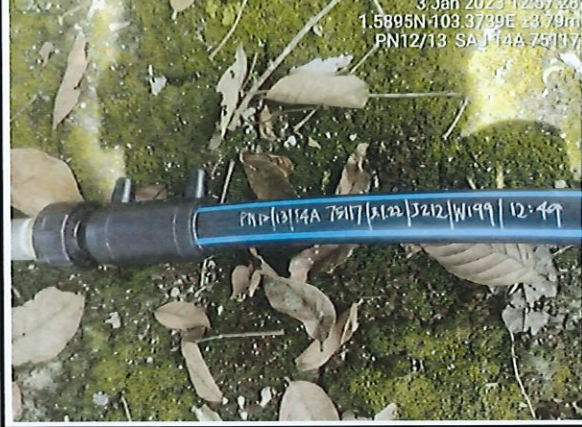
REMARKS	

REMARKS	

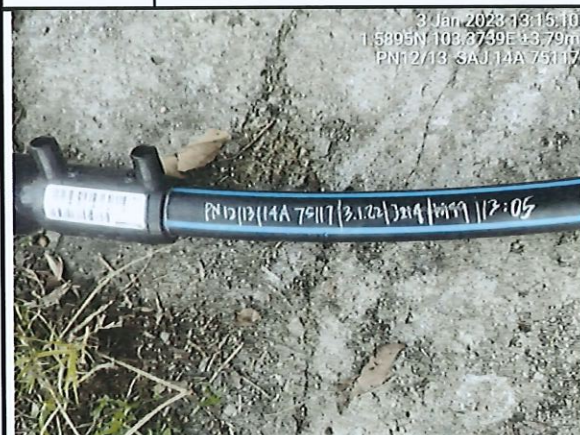
SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	3/1/2023 (SELASA)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 14A75117
	No. rumah :
	Semasa kerja (EF)
	Joint number: 213



REMARKS	No. meter : SAJ 14A75117
	No. rumah :
	Semasa kerja (EF)
	Joint number: 212



REMARKS	No. meter : SAJ 14A75117
	No. rumah :
	Semasa kerja (EF)
	Joint number: 214



REMARKS	No. meter : SAJ 14A75117
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 14A75117
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 14A75117
	No. rumah :
	Selepas kerja



PROGRAM PENGGANTIAN PAIP LAMA BAGI TAHUN 2020 DI NEGERI JOHOR
PAKEJ 2 : DAERAH JOHOR BAHRU, KULAI, PONTIAN, KOTA TINGGI DAN
MERSING



COMMUNICATION PIPE WORKS

SUB PACKAGE	PONTIAN (PTN10)		
DMA	PN12 API-API		
DATE	3/1/2023 (SELASA)		
LOCATION	13 - JALAN PARIT KASAN		
 Jan 5, 2023 2:35:20 PM 1.5893N 103.3740E ±3.22m Ayer Baloi, 82100 Malaysia PN 12/13 SAJ14A75117			
REMARKS	No. meter : SAJ 14A75117	REMARKS	
	No. rumah :		
	Selepas kerja (s/s crossing)		
REMARKS		REMARKS	
REMARKS		REMARKS	
REMARKS		REMARKS	

COMMUNICATION PIPE WORKS

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	3/1/2023 (SELASA)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 14A25846
	No. rumah :
	Semasa kerja (EF)
	Joint number: 216



REMARKS	No. meter : SAJ 14A25846
	No. rumah :
	Semasa kerja (EF)
	Joint number: 217



REMARKS	No. meter : SAJ 14A25846
	No. rumah :
	Semasa kerja (EF)
	Joint number: 215



REMARKS	No. meter : SAJ 14A25846
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 14A25846
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 14A25846
	No. rumah :
	Selepas kerja



PROGRAM PENGGANTIAN PAIP LAMA BAGI TAHUN 2020 DI NEGERI JOHOR
PAKEJ 2 : DAERAH JOHOR BAHRU, KULAI, PONTIAN, KOTA TINGGI DAN
MERSING



COMMUNICATION PIPE WORKS

SUB PACKAGE	PONTIAN (PTN10)		
DMA	PN12 API-API		
DATE	3/1/2023 (SELASA)		
LOCATION	13 - JALAN PARIT KASAN		
			
REMARKS	No. meter : SAJ 14A25846	REMARKS	
	No. rumah :		
	Selepas kerja (s/s crossing)		
REMARKS		REMARKS	
REMARKS		REMARKS	

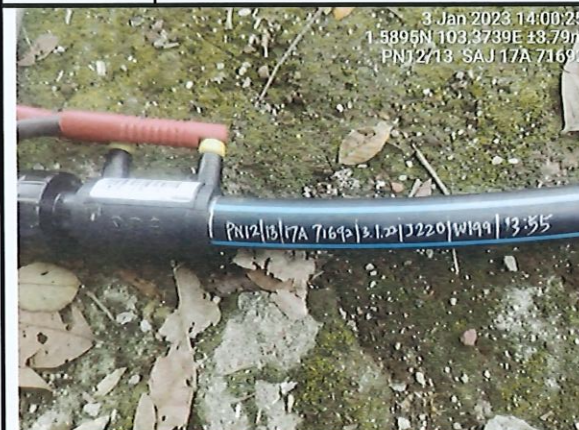
SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	3/1/2023 (SELASA)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 17A71692
	No. rumah :
	Semasa kerja (EF)
	Joint number: 218



REMARKS	No. meter : SAJ 17A71692
	No. rumah :
	Semasa kerja (EF)
	Joint number: 219



REMARKS	No. meter : SAJ 17A71692
	No. rumah :
	Semasa kerja (EF)
	Joint number: 220



REMARKS	No. meter : SAJ 17A71692
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 17A71692
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 17A71692
	No. rumah :
	Selepas kerja



PROGRAM PENGGANTIAN PAIP LAMA BAGI TAHUN 2020 DI NEGERI JOHOR
PAKEJ 2 : DAERAH JOHOR BAHRU, KULAI, PONTIAN, KOTA TINGGI DAN
MERSING



COMMUNICATION PIPE WORKS

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	3/1/2023 (SELASA)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 17A71692
	No. rumah :
	Selepas kerja (s/s crossing)

REMARKS	

REMARKS	

REMARKS	

REMARKS	

REMARKS	

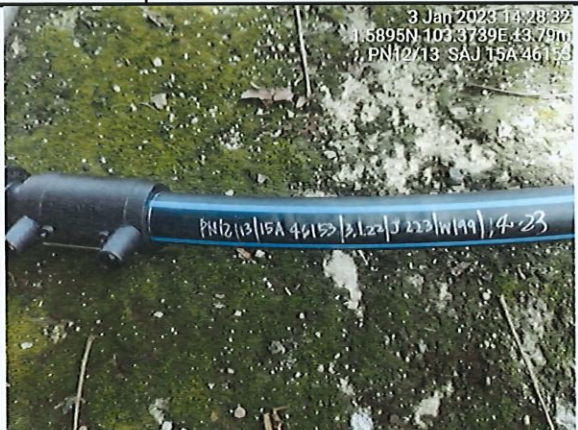
SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	3/1/2023 (SELASA)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 15A46153
	No. rumah :
	Semasa kerja (EF)
	Joint number: 221



REMARKS	No. meter : SAJ 15A46153
	No. rumah :
	Semasa kerja (EF)
	Joint number: 222



REMARKS	No. meter : SAJ 15A46153
	No. rumah :
	Semasa kerja (EF)
	Joint number: 223



REMARKS	No. meter : SAJ 15A46153
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 15A46153
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 15A46153
	No. rumah :
	Selepas kerja



PROGRAM PENGGANTIAN PAIP LAMA BAGI TAHUN 2020 DI NEGERI JOHOR
PAKEJ 2 : DAERAH JOHOR BAHRU, KULAI, PONTIAN, KOTA TINGGI DAN
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COMMUNICATION PIPE WORKS

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	3/1/2023 (SELASA)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 15A46153
	No. rumah :
	Selepas kerja (s/s crossing)

REMARKS	

REMARKS	

REMARKS	

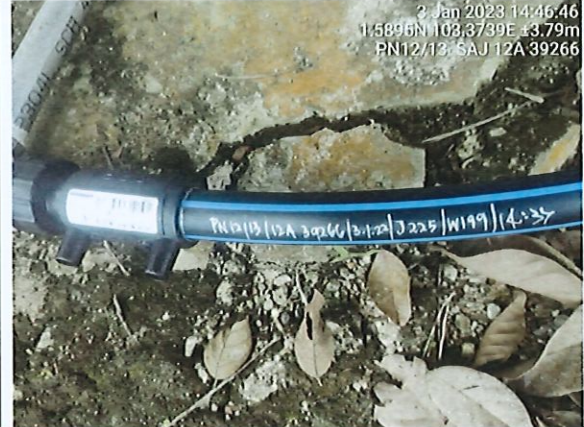
REMARKS	

REMARKS	

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	3/1/2023 (SELASA)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 12A39266
	No. rumah :
	Semasa kerja (EF)
	Joint number: 224



REMARKS	No. meter : SAJ 12A39266
	No. rumah :
	Semasa kerja (EF)
	Joint number: 225



REMARKS	No. meter : SAJ 12A39266
	No. rumah :
	Semasa kerja (EF)
	Joint number: 226



REMARKS	No. meter : SAJ 12A39266
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 12A39266
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 12A39266
	No. rumah :
	Selepas kerja



REMARKS	

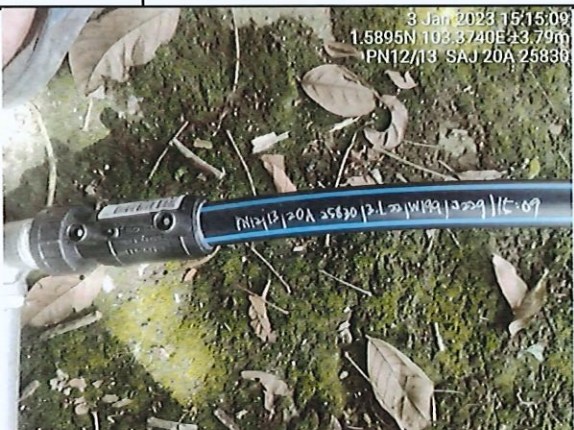
SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	3/1/2023 (SELASA)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 20A25830
	No. rumah :
	Semasa kerja (EF)
	Joint number: 227



REMARKS	No. meter : SAJ 20A25830
	No. rumah :
	Semasa kerja (EF)
	Joint number: 228



REMARKS	No. meter : SAJ 20A25830
	No. rumah :
	Semasa kerja (EF)
	Joint number: 229



REMARKS	No. meter : SAJ 20A25830
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 20A25830
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 20A25830
	No. rumah :
	Selepas kerja



PROGRAM PENGGANTIAN PAIP LAMA BAGI TAHUN 2020 DI NEGERI JOHOR
PAKEJ 2 : DAERAH JOHOR BAHRU, KULAI, PONTIAN, KOTA TINGGI DAN
MERSING



COMMUNICATION PIPE WORKS

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	3/1/2023 (SELASA)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 20A25830
	No. rumah :
	Selepas kerja (s/s crossing)

REMARKS	

REMARKS	

REMARKS	

REMARKS	

REMARKS	

COMMUNICATION PIPE WORKS

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	3/1/2023 (SELASA)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 17A102586
	No. rumah :
	Semasa kerja (EF)
	Joint number: 230



REMARKS	No. meter : SAJ 17A102586
	No. rumah :
	Semasa kerja (EF)
	Joint number: 231



REMARKS	No. meter : SAJ 17A102586
	No. rumah :
	Semasa kerja (EF)
	Joint number: 232



REMARKS	No. meter : SAJ 17A102586
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 17A102586
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 17A102586
	No. rumah :
	Selepas kerja



PROGRAM PENGGANTIAN PAIP LAMA BAGI TAHUN 2020 DI NEGERI JOHOR
PAKEJ 2 : DAERAH JOHOR BAHRU, KULAI, PONTIAN, KOTA TINGGI DAN
MERSING



COMMUNICATION PIPE WORKS

SUB PACKAGE	PONTIAN (PTN10)		
DMA	PN12 API-API		
DATE	3/1/2023 (SELASA)		
LOCATION	13 - JALAN PARIT KASAN		
Jan 7, 2023 1:10:44 PM 1.595066N 103.369437E +3.22m PN 12/13 SAJ17A102586 			
REMARKS	No. meter : SAJ 17A102586		
	No. rumah :		
	Selepas kerja (s/s crossing)		
REMARKS			
REMARKS			
REMARKS			

COMMUNICATION PIPE WORKS

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	3/1/2023 (SELASA)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 15A46298
	No. rumah :
	Semasa kerja (EF)
	Joint number: 233



REMARKS	No. meter : SAJ 15A46298
	No. rumah :
	Semasa kerja (EF)
	Joint number: 234



REMARKS	No. meter : SAJ 15A46298
	No. rumah :
	Semasa kerja (EF)
	Joint number: 235



REMARKS	No. meter : SAJ 15A46298
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 15A46298
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 15A46298
	No. rumah :
	Selepas kerja



PROGRAM PENGGANTIAN PAIP LAMA BAGI TAHUN 2020 DI NEGERI JOHOR
PAKEJ 2 : DAERAH JOHOR BAHRU, KULAI, PONTIAN, KOTA TINGGI DAN
MERSING



COMMUNICATION PIPE WORKS

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	3/1/2023 (SELASA)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 15A46298
	No. rumah :
	Selepas kerja (s/s crossing)

REMARKS	

REMARKS	

REMARKS	

REMARKS	

REMARKS	

DATA TAPPING DAN PAIP PERHUBUNGAN

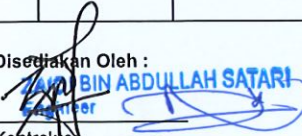
PROGRAM PENGGANTIAN PAIP LAMA TAHUN 2020

Nama Projek : PROGRAM PENGGANTIAN PAIP LAMA BAGI TAHUN 2020

Nama Kontraktor : JALUR CAHAYA SDN BHD

Bil	Pipe	Size (mm)	No. Meter	No Rumah	Comm Pipe (m)		Lintas Parit		Bawah Jalan			Korekan (m2)			Catatan
					PA Pipe (m)	Poly Pipe (m)	GI Sleeve (m)	Stainless Steel (m)	Open Trench (m)	GI Sleeve (m)	Impact Molling	Jubin	Konkrit	Longkang	
1	UPVC	150	17A71685 ✓	KLINIK		13.00 ✓		1.50 ✓							
2	UPVC	150	17A71684 ✓	KLINIK		13.20 ✓		1.50 ✓							
3	UPVC	150	22A22813 ✓			8.40 ✓		2.00 ✓							
4	UPVC	150	12F478865 ✓			10.00 ✓		2.00 ✓							
5	UPVC	150	12F478866 ✓			9.40 ✓		2.00 ✓							
6	UPVC	150	20A95340 ✓			7.80 ✓		-							
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															
25															
26															
27															
28															
29															
30															
					0.00	61.80 ✓	0.00	9.00 ✓	0.00	0.00	0.00	0.00	0.00	0.00	

Disediakan Oleh :


JALUR CAHAYA SDN BHD

Kontraktor
Cop :



Disemak Oleh :


Inspektor Kontrak (D)
MUHAMAD AZRI BIN ABDUL AZIZ
INSPEKTOR KONTRAK PONTIAN
JABATAN PROJEK
RANHILL SAJ SDN. BHD.

Disahkan Oleh :


Eksekutif
NORSILWATI BINTI ALI
EKSEKUTIF
JABATAN PROJEK
RANHILL SAJ SDN. BHD.

Projek:	PROGRAM PENGANTIAN PAIP LAMA BAGI TAHUN 2020 - PAKET 2
Nama :	SHARUDIN BIN HASAN
No siji:	199
Nama syarikat:	JAWR CAHAYA SDN BHD
Tarikh dan Masa:	4/1/2023

KRITERIA	✓	X
KEADAAN TAPAK		
Kawasan tapak berada dalam keadaan yang bersih dan kering.	/	
KEADAAN BAHAN DAN PERALATAN		
Peralatan berada dalam keadaan baik dan bersih.	/	
Fittings berada dalam bungkusan? Jika ya, periksa fittings jika terdapat kerosakan. Jika tidak, reject fittings.	/	
Peralatan adalah mencukupi sebelum kerja penyambungan dilakukan.	/	
- Fusion machine - Universal pipe cutter - Rotational pipe scraper - Marker - Isopropyl Alcohol (IPA) - Kain bersih - Generator	/	
Kawasan penyambungan paip berada dalam keadaan yang bersih dan kering.	/	
PEMERIKSAAN SELEPAS PROSES PENYAMBUNGAN ELECTRO-FUSION		
1) Melt indicator pada fittings timbul.		
Nama Jalan:	PN 12/13 - 3LN PT KASAN	
	✓	X
Joint No. = 236	/	
Joint No. = 237	/	
Joint No. = 238	/	
Joint No. = 239	/	
Joint No. = 240	/	
Joint No. = 241	/	
Joint No. = 242	/	
Joint No. = 243	/	
Joint No. = 244	/	
Joint No. = 245	/	
	✓	X
Joint No. = 246	/	
Joint No. = 247	/	
Joint No. = 248	/	
Joint No. = 249	/	
Joint No. = 250	/	
Joint No. = 251	/	
Joint No. = 252	/	
Joint No. =		
Joint No. =		
Joint No. =		
2) Hujung paip dipotong dengan tegak dan lurus.		
Nama Jalan:	PN 12/13 - 3LN PT KASAN	
	✓	X
Joint No. = 236	/	
Joint No. = 237	/	
Joint No. = 238	/	
Joint No. = 239	/	
Joint No. = 240	/	
Joint No. = 241	/	
Joint No. = 242	/	
Joint No. = 243	/	
Joint No. = 244	/	
Joint No. = 245	/	
	✓	X
Joint No. = 246	/	
Joint No. = 247	/	
Joint No. = 248	/	
Joint No. = 249	/	
Joint No. = 250	/	
Joint No. = 251	/	
Joint No. = 252	/	
Joint No. =		
Joint No. =		
Joint No. =		

3) Penyambungan paip yang dilakukan berada dalam keadaan selari.

Nama Jalan: PN 12/13 - JLN PT KASAN

	✓	X		✓	X
Joint No. = 236	/		Joint No. = 246	/	
Joint No. = 237	/		Joint No. = 247	/	
Joint No. = 238	/		Joint No. = 248	/	
Joint No. = 239	/		Joint No. = 249	/	
Joint No. = 240	/		Joint No. = 250	/	
Joint No. = 241	/		Joint No. = 251	/	
Joint No. = 242	/		Joint No. = 252	/	
Joint No. = 243	/		Joint No. =		
Joint No. = 244	/		Joint No. =		
Joint No. = 245	/		Joint No. =		

4) Kawasan yang telah dikikis (scrapped) boleh dilihat.

Nama Jalan: PN 12/13 - JLN PT KASAN

	✓	X		✓	X
Joint No. = 236	/		Joint No. = 246	/	
Joint No. = 237	/		Joint No. = 247	/	
Joint No. = 238	/		Joint No. = 248	/	
Joint No. = 239	/		Joint No. = 249	/	
Joint No. = 240	/		Joint No. = 250	/	
Joint No. = 241	/		Joint No. = 251	/	
Joint No. = 242	/		Joint No. = 252	/	
Joint No. = 243	/		Joint No. =		
Joint No. = 244	/		Joint No. =		
Joint No. = 245	/		Joint No. =		

5) Tanda pada paip (penetration depth) tepat dan boleh dilihat.

Nama Jalan: PN 12/13 - JLN PT KASAN

	✓	X		✓	X
Joint No. = 236	/		Joint No. = 246	/	
Joint No. = 237	/		Joint No. = 247	/	
Joint No. = 238	/		Joint No. = 248	/	
Joint No. = 239	/		Joint No. = 249	/	
Joint No. = 240	/		Joint No. = 250	/	
Joint No. = 241	/		Joint No. = 251	/	
Joint No. = 242	/		Joint No. = 252	/	
Joint No. = 243	/		Joint No. =		
Joint No. = 244	/		Joint No. =		
Joint No. = 245	/		Joint No. =		

6) Tiada kesan percikan paip yang telah cair atau apa-apa kerosakan pada permukaan luar paip yang telah disambung.

Nama Jalan: PN 12/13 - JLN PT KASAN

	✓	X		✓	X
Joint No. = 236	/		Joint No. = 246	/	
Joint No. = 237	/		Joint No. = 247	/	
Joint No. = 238	/		Joint No. = 248	/	
Joint No. = 239	/		Joint No. = 249	/	
Joint No. = 240	/		Joint No. = 250	/	
Joint No. = 241	/		Joint No. = 251	/	
Joint No. = 242	/		Joint No. = 252	/	
Joint No. = 243	/		Joint No. =		
Joint No. = 244	/		Joint No. =		
Joint No. = 245	/		Joint No. =		

7) Paip dan fittings yang disambung dibiarkan untuk sejuk mengikut tempoh masa yang ditetapkan.

Nama Jalan: PN12/13 - JLN PT KASAN

	✓	X		✓	X
Joint No. = 236	/		Joint No. = 246	/	
Joint No. = 237	/		Joint No. = 247	/	
Joint No. = 238	/		Joint No. = 248	/	
Joint No. = 239	/		Joint No. = 249	/	
Joint No. = 240	/		Joint No. = 250	/	
Joint No. = 241	/		Joint No. = 251	/	
Joint No. = 242	/		Joint No. = 252	/	
Joint No. = 243	/		Joint No. =		
Joint No. = 244	/		Joint No. =		
Joint No. = 245	/		Joint No. =		

ADAKAH PENYAMBUNGAN ELECTRO-FUSION INI DITERIMA?
(Jika TIDAK, sila nyatakan ulasan di ruangan yang disediakan)

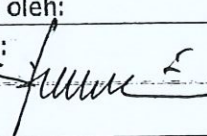
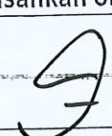
	✓	X		✓	X
Joint No. = 236	/		Joint No. = 246	/	
Joint No. = 237	/		Joint No. = 247	/	
Joint No. = 238	/		Joint No. = 248	/	
Joint No. = 239	/		Joint No. = 249	/	
Joint No. = 240	/		Joint No. = 250	/	
Joint No. = 241	/		Joint No. = 251	/	
Joint No. = 242	/		Joint No. = 252	/	
Joint No. = 243	/		Joint No. =		
Joint No. = 244	/		Joint No. =		
Joint No. = 245	/		Joint No. =		

Ulasan:

.....

.....

.....

Dikendalikan oleh:	Diperiksa dan disahkan oleh:
Tandatangan: 	Tandatangan: 
Nama Kontraktor:	Nama Kontrak Inspektor:
<u>SHAHDIN B. HASRAN</u>	<u>MUHAMAD AZRI BIN ABDUL AZIZ</u> INSPEKTOR KONTRAK PONTIAN
No. Anggota:	No. Anggota:
<u>199</u>	<u>JABATAN PROJEK</u> <u>RANHILL SAJ SDN. BHD.</u>
Tarikh: <u>04/01/2023</u>	Tarikh: <u>4/1/2023</u>

**Dokumen yang perlu diserahkan kepada Contract Inspector: Gambar penyambungan dan laporan daripada Data Logger.


ZAIDI BIN ABDULLAH SATARI
Engineer



ELECTRO-FUSION MACHINE REPORT (COMM PIPE)

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 - API API
DATE	4/1/2023 (RABU)
LOCATION	13 - JALAN PT KASAN

236	04.01.23	11:06	33.7°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.764 Ohm	5.4 kJ	✓ OK
237	04.01.23	11:14	33.3°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.737 Ohm	5.5 kJ	✓ OK
238	04.01.23	11:21	34.8°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.741 Ohm	5.4 kJ	✓ OK
239	04.01.23	11:33	36.8°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.777 Ohm	5.4 kJ	✓ OK
240	04.01.23	11:40	38.4°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.747 Ohm	5.4 kJ	✓ OK
241	04.01.23	11:47	38.3°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.749 Ohm	5.4 kJ	✓ OK
242	04.01.23	11:58	37.4°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.755 Ohm	5.4 kJ	✓ OK
243	04.01.23	12:04	38.4°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.750 Ohm	5.4 kJ	✓ OK
244	04.01.23	12:13	38.4°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.748 Ohm	5.4 kJ	✓ OK
245	04.01.23	12:22	36.4°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.725 Ohm	5.4 kJ	✓ OK
246	04.01.23	12:28	37.2°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.676 Ohm	5.5 kJ	✓ OK
247	04.01.23	12:36	36.8°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.746 Ohm	5.4 kJ	✓ OK
248	04.01.23	12:47	36.1°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.714 Ohm	5.5 kJ	✓ OK
249	04.01.23	12:54	34.7°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.686 Ohm	5.5 kJ	✓ OK
250	04.01.23	13:05	35.1°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.729 Ohm	5.4 kJ	✓ OK
251	04.01.23	13:12	37.1°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.723 Ohm	5.4 kJ	✓ OK
252	04.01.23	13:19	38.3°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.743 Ohm	5.4 kJ	✓ OK

Disediakan Oleh:

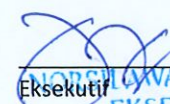

Kontraktor

ZAIDI BIN ABDULLAH SATARI
Engineer

Disemak Oleh:


Inspektor Kontrak (D)
MUHAMAD AZRI BIN ABDUL AZIZ
INSPEKTOR KONTRAK PONTIAN
JABATAN PROJEK
RANHILL SAJ SDN. BHD.

Disahkan Oleh:


Eksekutif
NORSHAWATI BINTI ALI
EKSEKUTIF
JABATAN PROJEK
RANHILL SAJ SDN. BHD.

COMMUNICATION PIPE WORKS

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	4/1/2023 (RABU)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 17A71685
	No. rumah :
	Semasa kerja (EF)
	Joint number: 236



REMARKS	No. meter : SAJ 17A71685
	No. rumah :
	Semasa kerja (EF)
	Joint number: 237



REMARKS	No. meter : SAJ 17A71685
	No. rumah :
	Semasa kerja (EF)
	Joint number: 238



REMARKS	No. meter : SAJ 17A71685
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 17A71685
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 17A71685
	No. rumah :
	Selepas kerja



PROGRAM PENGGANTIAN PAIP LAMA BAGI TAHUN 2020 DI NEGERI JOHOR
PAKEJ 2 : DAERAH JOHOR BAHRU, KULAI, PONTIAN, KOTA TINGGI DAN
MERSING



COMMUNICATION PIPE WORKS

SUB PACKAGE	PONTIAN (PTN10)		
DMA	PN12 API-API		
DATE	4/1/2023 (RABU)		
LOCATION	13 - JALAN PARIT KASAN		
			
REMARKS	No. meter : SAJ 17A71685		
	No. rumah :		
	Selepas kerja (s/s crossing)		
REMARKS			
REMARKS			
REMARKS			

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	4/1/2023 (RABU)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 17A71684
	No. rumah :
	Semasa kerja (EF)
	Joint number: 239



REMARKS	No. meter : SAJ 17A71684
	No. rumah :
	Semasa kerja (EF)
	Joint number: 240



REMARKS	No. meter : SAJ 17A71684
	No. rumah :
	Semasa kerja (EF)
	Joint number: 241



REMARKS	No. meter : SAJ 17A71684
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 17A71684
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 17A71684
	No. rumah :
	Selepas kerja



PROGRAM PENGGANTIAN PAIP LAMA BAGI TAHUN 2020 DI NEGERI JOHOR
PAKEJ 2 : DAERAH JOHOR BAHRU, KULAI, PONTIAN, KOTA TINGGI DAN
MERSING



COMMUNICATION PIPE WORKS

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	4/1/2023 (RABU)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 17A71684
	No. rumah :
	Selepas kerja (s/s crossing)

REMARKS	

REMARKS	

REMARKS	

REMARKS	

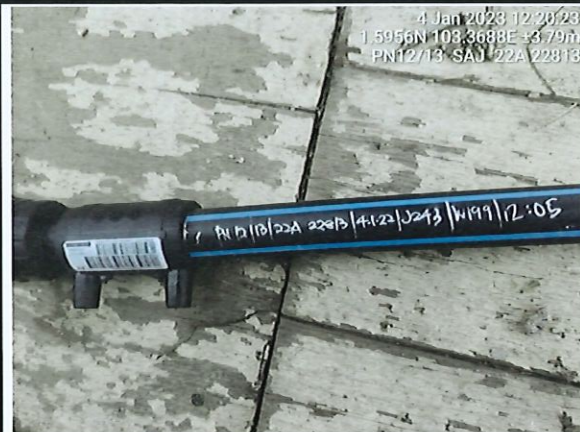
REMARKS	

COMMUNICATION PIPE WORKS

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	4/1/2023 (RABU)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 22A22813
	No. rumah :
	Semasa kerja (EF)
	Joint number: 242



REMARKS	No. meter : SAJ 22A22813
	No. rumah :
	Semasa kerja (EF)
	Joint number: 243



REMARKS	No. meter : SAJ 22A22813
	No. rumah :
	Semasa kerja (EF)
	Joint number: 244



REMARKS	No. meter : SAJ 22A22813
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 22A22813
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 22A22813
	No. rumah :
	Selepas kerja



PROGRAM PENGGANTIAN PAIP LAMA BAGI TAHUN 2020 DI NEGERI JOHOR
PAKEJ 2 : DAERAH JOHOR BAHRU, KULAI, PONTIAN, KOTA TINGGI DAN
MERSING



COMMUNICATION PIPE WORKS

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	4/1/2023 (RABU)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 22A22813
	No. rumah :
	Selepas kerja (s/s crossing)

REMARKS	

REMARKS	

REMARKS	

REMARKS	

REMARKS	



PROGRAM PENGGANTIAN PAIP LAMA BAGI TAHUN 2020 DI NEGERI JOHOR
PAKEJ 2 : DAERAH JOHOR BAHRU, KULAI, PONTIAN, KOTA TINGGI DAN
MERSING



COMMUNICATION PIPE WORKS

SUB PACKAGE		PONTIAN (PTN10)			
DMA		PN12 API-API			
DATE		4/1/2023 (RABU)			
LOCATION		13 - JALAN PARIT KASAN			
REMARKS	No. meter : SAJ 12F478865		REMARKS	No. meter : SAJ 12F478865	
	No. rumah :			No. rumah :	
	Semasa kerja (EF)			Semasa kerja (EF)	
	Joint number: 245			Joint number: 246	
REMARKS	No. meter : SAJ 12F478865		REMARKS	No. meter : SAJ 12F478865	
	No. rumah :			No. rumah :	
	Semasa kerja (EF)			Selepas kerja	
	Joint number: 247				
REMARKS	No. meter : SAJ 12F478865		REMARKS	No. meter : SAJ 12F478865	
	No. rumah :			No. rumah :	
	Selepas kerja			Selepas kerja	



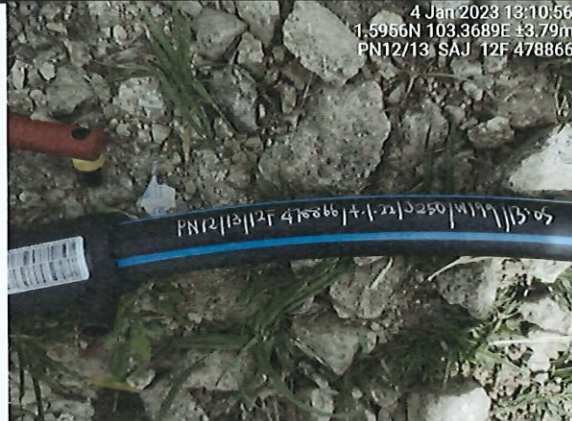
PROGRAM PENGGANTIAN PAIP LAMA BAGI TAHUN 2020 DI NEGERI JOHOR
PAKEJ 2 : DAERAH JOHOR BAHRU, KULAI, PONTIAN, KOTA TINGGI DAN
MERSING



COMMUNICATION PIPE WORKS

SUB PACKAGE	PONTIAN (PTN10)		
DMA	PN12 API-API		
DATE	4/1/2023 (RABU)		
LOCATION	13 - JALAN PARIT KASAN		
			
REMARKS	No. meter : SAJ 12F478865		
	No. rumah :		
	Selepas kerja (s/s crossing)		
REMARKS			
REMARKS			
REMARKS			

COMMUNICATION PIPE WORKS

SUB PACKAGE	PONTIAN (PTN10)	
DMA	PN12 API-API	
DATE	4/1/2023 (RABU)	
LOCATION	13 - JALAN PARIT KASAN	
	REMARKS	No. meter : SAJ 12F478866
		No. rumah :
		Semasa kerja (EF)
		Joint number: 248
	REMARKS	No. meter : SAJ 12F478866
		No. rumah :
		Semasa kerja (EF)
		Joint number: 249
	REMARKS	No. meter : SAJ 12F478866
		No. rumah :
		Semasa kerja (EF)
		Joint number: 250
	REMARKS	No. meter : SAJ 12F478866
		No. rumah :
		Selepas kerja
	REMARKS	No. meter : SAJ 12F478866
		No. rumah :
		Selepas kerja
	REMARKS	No. meter : SAJ 12F478866
		No. rumah :
		Selepas kerja



PROGRAM PENGGANTIAN PAIP LAMA BAGI TAHUN 2020 DI NEGERI JOHOR
PAKEJ 2 : DAERAH JOHOR BAHRU, KULAI, PONTIAN, KOTA TINGGI DAN
MERSING

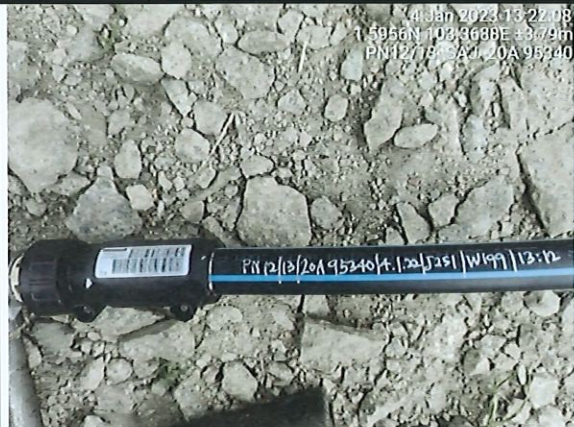


COMMUNICATION PIPE WORKS

SUB PACKAGE	PONTIAN (PTN10)		
DMA	PN12 API-API		
DATE	4/1/2023 (RABU)		
LOCATION	13 - JALAN PARIT KASAN		
			
REMARKS	No. meter : SAJ 12F478866		
	No. rumah :		
	Selepas kerja (s/s crossing)		
REMARKS			
REMARKS			
REMARKS			

COMMUNICATION PIPE WORKS

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	4/1/2023 (RABU)
LOCATION	13 - JALAN PARIT KASAN



REMARKS	No. meter : SAJ 20A95340
	No. rumah :
	Semasa kerja (EF)
	Joint number: 251



REMARKS	No. meter : SAJ 20A95340
	No. rumah :
	Semasa kerja (EF)
	Joint number: 252



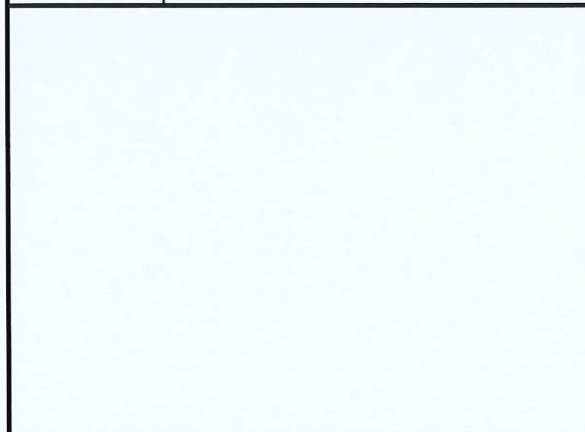
REMARKS	No. meter : SAJ 20A95340
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 20A95340
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 20A95340
	No. rumah :
	Selepas kerja



REMARKS	