

DATA TAPPING DAN PAIP PERHUBUNGAN

PROGRAM PENGANTIAN PAIP LAMA TAHUN 2020

Nama Projek : PN12/27 - JALAN PT HJ OMAR

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	100	SAJ 14A42305			3.30		2.30							
2															
3															
4															
5															
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24															
25															
26															
27															
28															
29															
30															
					0.00	3.30	0.00	2.30	0.00	0.00	0.00	0.00	0.00	0.00	

Disediakan Oleh :

ZAIDU BIN ABDULLAH SATARI

Kontraktor

Cop :



Disemak Oleh :

MOHAMAD 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.

BORANG PEMERIKSAAN VISUAL (ELECTRO-FUSION)

Projek:	PROGRAM PENGGANTIAN PAIP LAMA BAGI TAHUN 2020- PAKES 2
Nama :	SHARUDIN BIN HASSAN
No sijil:	199
Nama syarikat:	JALUR CAHAYA SDN BHD
Tarikh dan Masa:	6/12/2022

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 scrapper	✓	
- 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:	JALAN PARIT HJ OMAR (PN12/27)	
	✓	X
Joint No. = 2	✓	
Joint No. = 3	✓	
Joint No. = 4	✓	
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:	JALAN PARIT HJ OMAR (PN12/27)	
	✓	X
Joint No. = 2	✓	
Joint No. = 3	✓	
Joint No. = 4	✓	
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: PN12/27 - JALAN PARTI HJ OMAR

	✓	X		✓	X
Joint No. = 2	✓		Joint No. =		
Joint No. = 3	✓		Joint No. =		
Joint No. = 4	✓		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: PN12/27 - JALAN PARTI HJ OMAR

	✓	X		✓	X
Joint No. = 2	✓		Joint No. =		
Joint No. = 3	✓		Joint No. =		
Joint No. = 4	✓		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: PN12/27 - JALAN PARTI HJ OMAR

	✓	X		✓	X
Joint No. = 2	✓		Joint No. =		
Joint No. = 3	✓		Joint No. =		
Joint No. = 4	✓		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: PN12/27 - JALAN PARTI HJ OMAR

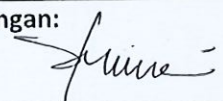
	✓	X		✓	X
Joint No. = 2	✓		Joint No. =		
Joint No. = 3	✓		Joint No. =		
Joint No. = 4	✓		Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		

7) Paip dan fittings yang disambung dibiarkan untuk sejuk mengikut tempoh masa yang ditetapkan.					
Nama Jalan: PN 12/27 - JALAN PARTI HJ OMAR					
	✓	X		✓	X
Joint No. = 2	✓		Joint No. =		
Joint No. = 3	✓		Joint No. =		
Joint No. = 4	✓		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. = 2	✓		Joint No. =		
Joint No. = 3	✓		Joint No. =		
Joint No. = 4	✓		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:

- Berlaku kegagalan pada joint no 1.

Dikendalikan oleh:	Diperiksa dan disahkan oleh:
Tandatangan: 	Tandatangan: 
Nama Kontraktor: SHARUDIN	Nama Kontrak Inspektor: MUHAMAD AZRI BIN ABDUL AZIZ INSPEKTOR KONTRAK PONTIAN
No. Anggota: 199	No. Anggota: JABATAN PROJEK RANHILL SAI SDN. BHD.
Tarikh:	Tarikh: 6/12/2022

**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



ELECTRO-FUSION MACHINE REPORT (COMM PIPE)

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 - API API
DATE	6/12/2022 (SELASA)
LOCATION	27 - JALAN PT HJ OMAR



<https://alixis.com>

27.12.2022, 17:09

• 1 / 4 •

FRIAMAT
PROTOCOL EXPORT

Model:
FR2210733

Maintenance Date:
21.11.2023

SW-Version HMI:
FU67_2_0_01d8P

SW-Version PU:
TV2_01_01

No.	Date	Time	T	MFG	Type	Diameter	V	Time Fus	R	E	Result
1	04.12.22	16:59	30.3°C	FR	CPL	25 mm	28.0 V	0000 s/0027 s	0.00	0.0 kJ	5 FAIL
2	06.12.22	14:42	36.1°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.877 Ohm	5.4 kJ	OK
3	06.12.22	14:48	36.1°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.776 Ohm	5.6 kJ	OK
4	06.12.22	15:02	33.8°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.760 Ohm	5.6 kJ	OK

Disediakan Oleh:

Zaidi Bin Abdullah Satari
Engineer

Kontraktor
Cop :



Disemak Oleh:

Muhammad Azri Bin Abdul Aziz
Inspektor Kontrak (D)
Cop :
INSPEKTOR KONTRAK PONTIAN
JABATAN PROJEK
RANHILL SAJ SDN. BHD.

Disahkan Oleh:

Rosliwati Binti Ali
EKSEKUTIF
JABATAN PROJEK
RANHILL SAJ SDN. BHD.

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	6/12/2022 (SELASA)
LOCATION	27 - JALAN PARIT HJ OMAR



REMARKS	No. meter : SAJ 14A42305
	No. rumah :
	Semasa kerja (EF)
	Joint number: 2



	No. meter : SAJ 14A42305
	No. rumah :
	Semasa kerja (EF)
	Joint number: 3



REMARKS	No. meter : SAJ 14A42305
	No. rumah :
	Semasa kerja (EF)
	Joint number : 4



REMARKS	No. meter : SAJ 14A42305
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 14A42305
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 14A42305
	No. rumah :
	Selepas kerja (s/s crossing)

DATA TAPPING DAN PAIP PERHUBUNGAN

PROGRAM PENGANTIAN PAIP LAMA TAHUN 2020

Nama Projek : PN12/27 - JALAN PARIT HJ OMAR

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	100	SAJ 15A31118	NO 6		5.30		2.70							
2	UPVC	100	SAJ 20A25388	TL 44		3.50		3.00							
3	UPVC	100	SAJ 17A93125	TL 44		3.50		3.00							
4	UPVC	100	SAJ 14C574943	NO 46		3.90		3.00							
5															
6															
7															
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25															
26															
27															
28															
29															
30															
					0.00	16.20	0.00	11.70	0.00	0.00	0.00	0.00	0.00	0.00	

Disiapkan Oleh :

ZAIRUL ABULLAH SATARI

Kontraktor

Cop :



Disemak Oleh :

Inspektor Kontrak (D)

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.

BORANG PEMERIKSAAN VISUAL (ELECTRO-FUSION)

Projek:	Program Penggantian Paip Lama Tahun 2020 Pakj 2
Nama :	Sharudin BN Hassan
No siji:	197
Nama syarikat:	Jalur Cahaya S/B
Tarikh dan Masa:	19/12/2022

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.	/	
- <i>Fusion machine</i>	/	
- <i>Universal pipe cutter</i>	/	
- <i>Rotational pipe scrapper</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 <i>fittings</i> timbul.		
Nama Jalan: Jalan Pt Hj Omar (PN 12/27)		
	✓	X
Joint No. = 5	/	
Joint No. = 6	/	
Joint No. = 7	/	
Joint No. = 8	/	
Joint No. = 9	/	
Joint No. = 10	/	
Joint No. = 11	/	
Joint No. = 12	/	
Joint No. = 13	/	
Joint No. = 14	/	
	✓	X
Joint No. = 15	/	
Joint No. = 16	/	
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: Jalan Pt Hj Omar (PN 12/27)		
	✓	X
Joint No. = 5	/	
Joint No. = 6	/	
Joint No. = 7	/	
Joint No. = 8	/	
Joint No. = 9	/	
Joint No. = 10	/	
Joint No. = 11	/	
Joint No. = 12	/	
Joint No. = 13	/	
Joint No. = 14	/	
	✓	X
Joint No. = 15	/	
Joint No. = 16	/	
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: Jalan Pt Hj Omar (PN12/27)

	✓	X		✓	X
Joint No. = 5	/		Joint No. = 15	/	
Joint No. = 6	/		Joint No. = 16	/	
Joint No. = 7	/		Joint No. =		
Joint No. = 8	/		Joint No. =		
Joint No. = 9	/		Joint No. =		
Joint No. = 10	/		Joint No. =		
Joint No. = 11	/		Joint No. =		
Joint No. = 12	/		Joint No. =		
Joint No. = 13	/		Joint No. =		
Joint No. = 14	/		Joint No. =		

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

Nama Jalan: Jalan Pt Hj Omar (PN12/27)

	✓	X		✓	X
Joint No. = 5	/		Joint No. = 15	/	
Joint No. = 6	/		Joint No. = 16	/	
Joint No. = 7	/		Joint No. =		
Joint No. = 8	/		Joint No. =		
Joint No. = 9	/		Joint No. =		
Joint No. = 10	/		Joint No. =		
Joint No. = 11	/		Joint No. =		
Joint No. = 12	/		Joint No. =		
Joint No. = 13	/		Joint No. =		
Joint No. = 14	/		Joint No. =		

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

Nama Jalan: Jalan Pt Hj Omar (PN12/27)

	✓	X		✓	X
Joint No. = 5	/		Joint No. = 15	/	
Joint No. = 6	/		Joint No. = 16	/	
Joint No. = 7	/		Joint No. =		
Joint No. = 8	/		Joint No. =		
Joint No. = 9	/		Joint No. =		
Joint No. = 10	/		Joint No. =		
Joint No. = 11	/		Joint No. =		
Joint No. = 12	/		Joint No. =		
Joint No. = 13	/		Joint No. =		
Joint No. = 14	/		Joint No. =		

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

Nama Jalan: Jalan Pt Hj Omar (PN12/27)

	✓	X		✓	X
Joint No. = 5	/		Joint No. = 15	/	
Joint No. = 6	/		Joint No. = 16	/	
Joint No. = 7	/		Joint No. =		
Joint No. = 8	/		Joint No. =		
Joint No. = 9	/		Joint No. =		
Joint No. = 10	/		Joint No. =		
Joint No. = 11	/		Joint No. =		
Joint No. = 12	/		Joint No. =		
Joint No. = 13	/		Joint No. =		
Joint No. = 14	/		Joint No. =		

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

Nama Jalan: Jalan Pt Hj Omar (PN 12/27)

	✓	X		✓	X
Joint No. = 5	/		Joint No. = 15	/	
Joint No. = 6	/		Joint No. = 16	/	
Joint No. = 7	/		Joint No. =		
Joint No. = 8	/		Joint No. =		
Joint No. = 9	/		Joint No. =		
Joint No. = 10	/		Joint No. =		
Joint No. = 11	/		Joint No. =		
Joint No. = 12	/		Joint No. =		
Joint No. = 13	/		Joint No. =		
Joint No. = 14	/		Joint No. =		

ADAKAH PENYAMBUNGAN ELECTRO-FUSION INI DITERIMA?

(Jika TIDAK, sila nyatakan ulasan di ruangan yang disediakan)

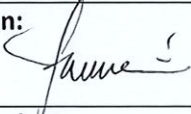
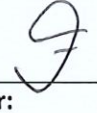
	✓	X		✓	X
Joint No. = 5	/		Joint No. = 15	/	
Joint No. = 6	/		Joint No. = 16	/	
Joint No. = 7	/		Joint No. =		
Joint No. = 8	/		Joint No. =		
Joint No. = 9	/		Joint No. =		
Joint No. = 10	/		Joint No. =		
Joint No. = 11	/		Joint No. =		
Joint No. = 12	/		Joint No. =		
Joint No. = 13	/		Joint No. =		
Joint No. = 14	/		Joint No. =		

Ulasan:

.....

.....

.....

Dikendalikan oleh:	Diperiksa dan disahkan oleh:
Tandatangan: 	Tandatangan: 
Nama Kontraktor: Sharudin Bin Hassan	Nama Kontrak Inspektor: MUHAMAD AZRI BIN ABDUL AZIZ INSPEKTOR KONTRAK PONTIAN
No. Anggota: 199	No. Anggota: JABATAN PROJEK RANHILL SAJ SDN. BHD.
Tarikh: 19/12/2022	Tarikh: 19/12/2022

**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	19/12/2022 (ISNIN)
LOCATION	27 - JALAN PT HJ OMAR



<https://alixaxis.com>

27.12.2022, 17:09

- 1 / 4 -

FRIAMAT
PROTOCOL EXPORT

Model:
FR2210733

Maintenance Date:
21.11.2023

SW-Version HMI:
FU67_2_0_01d8P

SW-Version PU:
TV2_01_01

No.	Date	Time	T	MFG	Type	Diameter	V	Time Fus	R	E	Result
1	04.12.22	16:59	30.3°C	FR	CPL	25 mm	28.0 V	0000 s/0027 s	0.00	0.0 kJ	5 FAIL
2	06.12.22	14:42	36.1°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.877 Ohm	5.4 kJ	OK
3	06.12.22	14:48	36.1°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.776 Ohm	5.6 kJ	OK
4	06.12.22	15:02	33.8°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.760 Ohm	5.6 kJ	OK
5	19.12.22	10:10	29.9°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.687 Ohm	5.5 kJ	OK
6	19.12.22	10:21	35.1°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.682 Ohm	5.5 kJ	OK
7	19.12.22	10:32	34.9°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.743 Ohm	5.4 kJ	OK
8	19.12.22	12:35	32.9°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.685 Ohm	5.5 kJ	OK
9	19.12.22	12:42	31.9°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.714 Ohm	5.4 kJ	OK
10	19.12.22	12:49	31.6°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.689 Ohm	5.5 kJ	OK
11	19.12.22	12:59	31.0°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.682 Ohm	5.5 kJ	OK
12	19.12.22	13:16	30.9°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.710 Ohm	5.5 kJ	OK
13	19.12.22	13:25	31.0°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.725 Ohm	5.4 kJ	OK
14	19.12.22	15:28	30.9°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.747 Ohm	5.4 kJ	OK
15	19.12.22	15:35	31.2°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.691 Ohm	5.5 kJ	OK
16	19.12.22	15:42	31.1°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.679 Ohm	5.5 kJ	OK
17	20.12.22	11:10	33.5°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.720 Ohm	5.4 kJ	OK

Disedjakan Oleh:

Zaidin Abdullah SATARI
Engineer

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.

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	19/12/2022 (ISNIN)
LOCATION	27 - JALAN PARIT HJ OMAR



REMARKS	No. meter : SAJ 14C574943
	No. rumah : No 46
	Semasa kerja (EF)
	Joint number: 14



REMARKS	No. meter : SAJ 14C574943
	No. rumah : No 46
	Semasa kerja (EF)
	Joint number: 15



REMARKS	No. meter : SAJ 14C574943
	No. rumah : No 46
	Semasa kerja (EF)
	Joint number : 16



REMARKS	No. meter : SAJ 14C574943
	No. rumah : No 46
	Selepas kerja



REMARKS	No. meter : SAJ 14C574943
	No. rumah : No 46
	Selepas kerja



REMARKS	No. meter : SAJ 14C574943
	No. rumah : No 46
	Selepas kerja



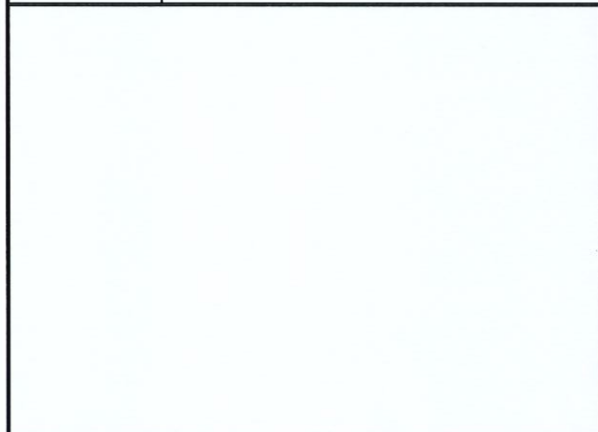
PROGRAM PENGANTIAN PAIP LAMA BAGI TAHUN 2020 DI NEGERI JOHOR
PAKEJ 2 : DAERAH JOHOR BAHRU, KULAI, PONTIAN, KOTA TINGGI DAN
MERSING
COMMUNICATION PIPE WORKS



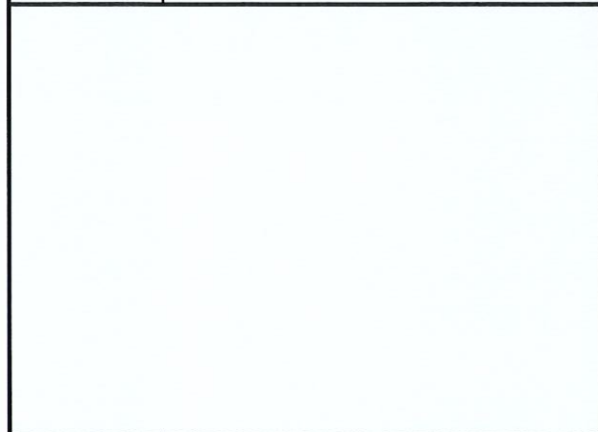
SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	19/12/2022 (ISNIN)
LOCATION	27 - JALAN PARIT HJ OMAR



REMARKS	No. meter : SAJ 14C574943
	No. rumah : No 46
	Selepas kerja (s/s crossing)



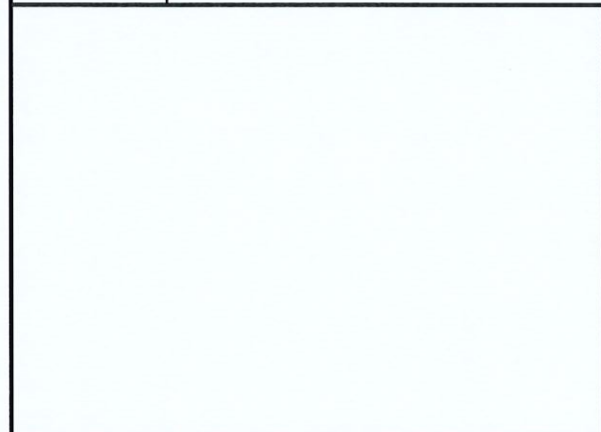
REMARKS	



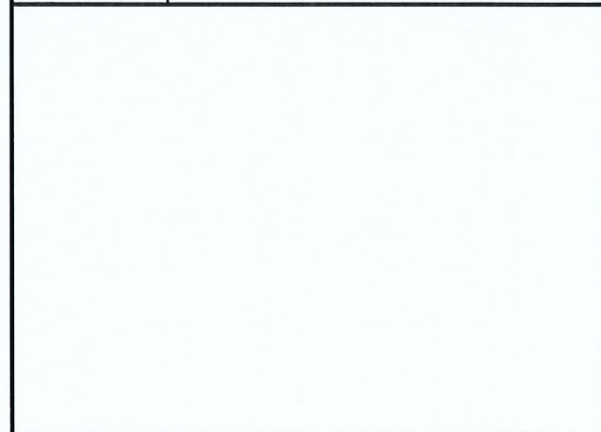
REMARKS	



REMARKS	No. meter : SAJ 14C574943
	No. rumah : No 46
	Selepas kerja (s/s crossing)



REMARKS	



REMARKS	

COMMUNICATION PIPE WORKS

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	19/12/2022 (ISNIN)
LOCATION	27 - JALAN PARIT HJ OMAR



REMARKS	No. meter : SAJ 15A31118
	No. rumah : (No 6)
	Semasa kerja (EF)
	Joint number: 5



REMARKS	No. meter : SAJ 15A31118
	No. rumah : (No 6)
	Semasa kerja (EF)
	Joint number: 6



REMARKS	No. meter : SAJ 15A31118
	No. rumah : (No 6)
	Semasa kerja (EF)
	Joint number: 7



REMARKS	No. meter : SAJ 15A31118
	No. rumah : (No 6)
	Selepas kerja



REMARKS	No. meter : SAJ 15A31118
	No. rumah : (No 6)
	Selepas kerja



REMARKS	No. meter : SAJ 15A31118
	No. rumah : (No 6)
	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	19/12/2022 (ISNIN)
LOCATION	27 - JALAN PARIT HJ OMAR



REMARKS	No. meter : SAJ 15A31118
	No. rumah : (No 6)
	Selepas kerja (s/s crossing)

REMARKS	

REMARKS	

REMARKS	

REMARKS	

REMARKS	

SUB PACKAGE	PONTIAN (PTN10)		
DMA	PN12 API-API		
DATE	19/12/2022 (ISNIN)		
LOCATION	27 - JALAN PARIT HJ OMAR		
REMARKS			
	No. meter : SAJ 17A93125		
	No. rumah : TL44		
	Sebelum kerja		
REMARKS			
	No. meter : SAJ 17A93125		
	No. rumah : TL44		
	Semasa kerja (EF)		
REMARKS			
	No. meter : SAJ 17A93125		
	No. rumah : TL44		
	Semasa kerja (EF)		
REMARKS			
	No. meter : SAJ 17A93125		
	No. rumah : TL44		
	Selepas kerja		
REMARKS			
	No. meter : SAJ 17A93125		
	No. rumah : TL44		
	Selepas kerja		
REMARKS			
	No. meter : SAJ 17A93125		
	No. rumah : TL44		
	Selepas kerja		



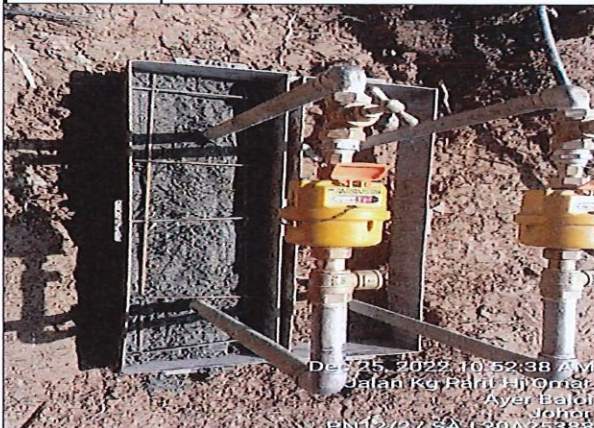
PROGRAM PENGGANTIAN PAIP LAMA BAGI TAHUN 2020 DI NEGERI JOHOR
PAKEJ 2 : DAERAH JOHOR BAHRU, KULAI, PONTIAN, KOTA TINGGI DAN
MERSING



COMMUNICATION PIPE WORKS

SUB PACKAGE	PONTIAN (PTN10)		
DMA	PN12 API-API		
DATE	19/12/2022 (ISNIN)		
LOCATION	27 - JALAN PARIT HJ OMAR		
 			
REMARKS	No. meter : SAJ 17A93125	REMARKS	
	No. rumah : TL44		
	Selepas kerja (s/s crossing)		
REMARKS		REMARKS	
REMARKS		REMARKS	
REMARKS		REMARKS	

COMMUNICATION PIPE WORKS

SUB PACKAGE	PONTIAN (PTN10)	
DMA	PN12 API-API	
DATE	19/12/2022 (ISNIN)	
LOCATION	27 - JALAN PARIT HJ OMAR	
REMARKS		
	No. meter : SAJ 20A25388	
	No. rumah : TL44	
	Semasa kerja (EF)	
	Joint number: 11	
REMARKS		
	No. meter : SAJ 20A25388	
	No. rumah : TL44	
	Semasa kerja (EF)	
	Joint number: 12	
REMARKS		
	No. meter : SAJ 20A25388	
	No. rumah : TL44	
	Semasa kerja (EF)	
	Joint number : 13	
REMARKS		
	No. meter : SAJ 20A25388	
	No. rumah : TL44	
	Semasa kerja (EF)	
	Selepas kerja	
REMARKS		
	No. meter : SAJ 20A25388	
	No. rumah : TL44	
	Semasa kerja (EF)	
	Selepas kerja	
REMARKS		
	No. meter : SAJ 20A25388	
	No. rumah : TL44	
	Semasa kerja (EF)	
	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	19/12/2022 (ISNIN)		
LOCATION	27 - JALAN PARIT HJ OMAR		



REMARKS	No. meter : SAJ 20A25388	REMARKS	
	No. rumah : TL44		
	Selepas kerja (s/s crossing)		

REMARKS		REMARKS	

REMARKS		REMARKS	



**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	100	SAJ 17A71434 ✓	NO 6		3.20 ✓		2.10 ✓							
2	UPVC	100	SAJ 22A74863 ✓	NO 12		15.50 ✓		7.60 ✓							UPVC PILE (2nos) ✓
3	UPVC	100	SAJ 21H36905 ✓	42-A		3.00 ✓		2.00 ✓							
4	UPVC	100	SAJ 16B644193 ✓	42-B		5.00 ✓		2.00 ✓							
5	UPVC	100	SAJ 15A59777 ✓	42		3.00 ✓		1.80 ✓							
6	UPVC	100	SAJ 13A104210 ✓	42		3.00 ✓		1.80 ✓							
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	32.70 ✓	0.00 ✓	17.30 ✓	0.00	0.00	0.00	0.00	0.00	0.00	

Disiapkan Oleh :

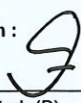

ZULFAHRI BIN ABDULLAH SATARI
Ekskutif

Kontraktor

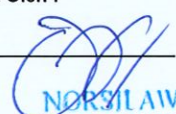
Cop :



Disemak Oleh :


Inspektor Kontrak (D)
MUHAMMAD 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 PENGIANTIAN PAIP LAMA BAGI TAHUN 2020 - PAKET 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.	/	
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:	PN12/27 - JLN PT H3 OMAR (LAPIS 2)	
	✓	X
Joint No. = 17	/	
Joint No. = 18	/	
Joint No. = 19	/	
Joint No. = 22	/	
Joint No. = 23	/	
Joint No. = 24	/	
Joint No. = 25	/	
Joint No. = 26	/	
Joint No. = 27	/	
Joint No. = 28	/	
Joint No. = 29	/	
Joint No. = 30	/	
Joint No. = 31	/	
Joint No. = 32	/	
Joint No. = 33	/	
Joint No. = 34	/	
Joint No. =		
Joint No. =		
Joint No. =		
Joint No. =		
Joint No. =		
Joint No. =		
2) Hujung paip dipotong dengan tegak dan lurus.		
Nama Jalan:	PN12/27 - JLN PT H3 OMAR (LAPIS 2)	
	✓	X
Joint No. = 17	/	
Joint No. = 18	/	
Joint No. = 19	/	
Joint No. = 22	/	
Joint No. = 23	/	
Joint No. = 24	/	
Joint No. = 25	/	
Joint No. = 26	/	
Joint No. = 27	/	
Joint No. = 28	/	
Joint No. = 29	/	
Joint No. = 30	/	
Joint No. = 31	/	
Joint No. = 32	/	
Joint No. = 33	/	
Joint No. = 34	/	
Joint No. =		
Joint No. =		
Joint No. =		
Joint No. =		
Joint No. =		
Joint No. =		

3) Penyambungan paip yang dilakukan berada dalam keadaan selari.

Nama Jalan: PN 12/27 - JLN PT HJ OMAR (LAPIS 2)

	✓	X		✓	X
Joint No. = 17	/		Joint No. = 29	/	
Joint No. = 18	/		Joint No. = 30	/	
Joint No. = 19	/		Joint No. = 31	/	
Joint No. = 22	/		Joint No. = 32	/	
Joint No. = 23	/		Joint No. = 33	/	
Joint No. = 24	/		Joint No. = 34	/	
Joint No. = 25	/		Joint No. =		
Joint No. = 26	/		Joint No. =		
Joint No. = 27	/		Joint No. =		
Joint No. = 28	/		Joint No. =		

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

Nama Jalan: PN 12/27 - JLN PT HJ OMAR (LAPIS 2)

	✓	X		✓	X
Joint No. = 17	/		Joint No. = 29	/	
Joint No. = 18	/		Joint No. = 30	/	
Joint No. = 19	/		Joint No. = 31	/	
Joint No. = 22	/		Joint No. = 32	/	
Joint No. = 23	/		Joint No. = 33	/	
Joint No. = 24	/		Joint No. = 34	/	
Joint No. = 25	/		Joint No. =		
Joint No. = 26	/		Joint No. =		
Joint No. = 27	/		Joint No. =		
Joint No. = 28	/		Joint No. =		

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

Nama Jalan: PN 12/27 - JLN PT HJ OMAR (LAPIS 2)

	✓	X		✓	X
Joint No. = 17	/		Joint No. = 29	/	
Joint No. = 18	/		Joint No. = 30	/	
Joint No. = 19	/		Joint No. = 31	/	
Joint No. = 22	/		Joint No. = 32	/	
Joint No. = 23	/		Joint No. = 33	/	
Joint No. = 24	/		Joint No. = 34	/	
Joint No. = 25	/		Joint No. =		
Joint No. = 26	/		Joint No. =		
Joint No. = 27	/		Joint No. =		
Joint No. = 28	/		Joint No. =		

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

Nama Jalan: PN 12/27 - JLN PT HJ OMAR (LAPIS 2)

	✓	X		✓	X
Joint No. = 17	/		Joint No. = 29	/	
Joint No. = 18	/		Joint No. = 30	/	
Joint No. = 19	/		Joint No. = 31	/	
Joint No. = 22	/		Joint No. = 32	/	
Joint No. = 23	/		Joint No. = 33	/	
Joint No. = 24	/		Joint No. = 34	/	
Joint No. = 25	/		Joint No. =		
Joint No. = 26	/		Joint No. =		
Joint No. = 27	/		Joint No. =		
Joint No. = 28	/		Joint No. =		

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

Nama Jalan: PN12/27 - JLN PT H3 OMAH, CLAPS 2)

	✓	X		✓	X
Joint No. = 17	/		Joint No. = 29	/	
Joint No. = 18	/		Joint No. = 30	/	
Joint No. = 19	/		Joint No. = 31	/	
Joint No. = 22	/		Joint No. = 32	/	
Joint No. = 23	/		Joint No. = 33	/	
Joint No. = 24	/		Joint No. = 34	/	
Joint No. = 25	/		Joint No. =		
Joint No. = 26	/		Joint No. =		
Joint No. = 27	/		Joint No. =		
Joint No. = 28	/		Joint No. =		

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

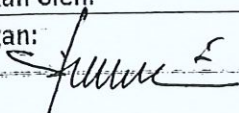
	✓	X		✓	X
Joint No. = 17	/		Joint No. = 29	/	
Joint No. = 18	/		Joint No. = 30	/	
Joint No. = 19	/		Joint No. = 31	/	
Joint No. = 22	/		Joint No. = 32	/	
Joint No. = 23	/		Joint No. = 33	/	
Joint No. = 24	/		Joint No. = 34	/	
Joint No. = 25	/		Joint No. =		
Joint No. = 26	/		Joint No. =		
Joint No. = 27	/		Joint No. =		
Joint No. = 28	/		Joint No. =		

Ulasan:

.....

.....

.....

Dikendalikan oleh:	Diperiksa dan disahkan oleh:
Tandatangan: 	Tandatangan: 
Nama Kontraktor: <u>SHAHDUN B. HASSAN</u>	Nama Kontrak Inspektor: <u>MUHAMAD AZRI BIN ABDUL AZIZ</u> INSPEKTOR KONTRAK PONTIAN
No. Anggota: <u>199</u>	No. Anggota: <u>JABATAN PROJEK</u> <u>RANHILL SAJ SDN. BHD.</u>
Tarikh: <u>20/12/2022</u>	Tarikh: <u>20/12/2022</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 BAGI TAHUN 2020 - PAKET 2
Nama :	SHARUDIN BIN HASSAN
No siji:	199
Nama syarikat:	JALUR CAHAYA PDN BHD
Tarikh dan Masa:	28/12/2022

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 scrapper	/	
- 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: PN12/27 - JLN PT HJ OMAR (LAPIS 2)

	✓	X		✓	X
Joint No. = 120	/		Joint No. =		
Joint No. = 121	/		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. =		

2) Hujung paip dipotong dengan tegak dan lurus.

Nama Jalan: PN12/27 - JLN PT HJ OMAR (LAPIS 2)

	✓	X		✓	X
Joint No. = 120	/		Joint No. =		
Joint No. = 121	/		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. =		

3) Penyambungan paip yang dilakukan berada dalam keadaan selari.

Nama Jalan: PN12/29 - JLN PT HJ OMAR (LAPIS 2)

	✓	X		✓	X
Joint No. = 120	/		Joint No. =		
Joint No. = 121	/		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: PN12/29 - JLN PT HJ OMAR (LAPIS 2)

	✓	X		✓	X
Joint No. = 120	/		Joint No. =		
Joint No. = 121	/		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: PN12/29 - JLN PT HJ OMAR (LAPIS 2)

	✓	X		✓	X
Joint No. = 120	/		Joint No. =		
Joint No. = 121	/		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: PN12/29 - JLN PT HJ OMAR (LAPIS 2)

	✓	X		✓	X
Joint No. = 120	/		Joint No. =		
Joint No. = 121	/		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: PN12/21 - JLN PT HJ OMAR, (LAPIS 2)					
	✓	X		✓	X
Joint No. = 120	/		Joint No. =		
Joint No. = 121	/		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. =		

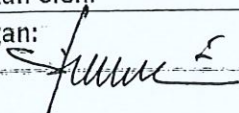
ADAKAH PENYAMBUNGAN ELECTRO-FUSION INI DITERIMA?					
(Jika TIDAK, sila nyatakan ulasan di ruangan yang disediakan)					
	✓	X		✓	X
Joint No. = 120	/		Joint No. =		
Joint No. = 121	/		Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint 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: SHAHEEDON 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: 28.12.2022	Tarikh: 28/12/2022

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



ELECTRO-FUSION MACHINE REPORT (COMM PIPE)

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 - API API
DATE	20/12/2022 (SELASA)
LOCATION	27 - JALAN PT HJ OMAR & JALAN PT HJ OMAR (LAPIS 2)

17	20.12.22	11:10	33.5°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.720 Ohm	5.4 kJ	OK	✓
18	20.12.22	11:21	33.1°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.689 Ohm	5.5 kJ	OK	✓
19	20.12.22	11:27	32.6°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.730 Ohm	5.4 kJ	OK	✓
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	✓
22	20.12.22	13:20	31.7°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.735 Ohm	5.4 kJ	OK	✓
23	20.12.22	15:07	33.6°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.722 Ohm	5.4 kJ	OK	✓
24	20.12.22	15:23	33.3°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.678 Ohm	5.5 kJ	OK	✓
25	20.12.22	15:32	33.0°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.735 Ohm	5.4 kJ	OK	✓
26	20.12.22	15:51	32.2°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.754 Ohm	5.4 kJ	OK	✓
27	20.12.22	15:59	32.2°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.697 Ohm	5.5 kJ	OK	✓

Oalixaxis

15.01.2023, 16:39

2 / 14

No.	Date	Time	T	HFG	Type	Diameter	V	Time Fus	R	E	Result
28	20.12.22	16:06	32.0°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.760 Ohm	5.4 kJ	OK
29	20.12.22	17:04	32.2°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.728 Ohm	5.4 kJ	OK
30	20.12.22	17:15	31.6°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.730 Ohm	5.4 kJ	OK
31	20.12.22	17:25	31.1°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.680 Ohm	5.5 kJ	OK
32	20.12.22	17:36	30.9°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.694 Ohm	5.5 kJ	OK
33	20.12.22	17:44	31.0°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.740 Ohm	5.4 kJ	OK
34	20.12.22	17:51	30.9°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.669 Ohm	5.5 kJ	OK
120	20.12.22	08:36	29.8°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.747 Ohm	5.4 kJ	OK

Oalixaxis

15.01.2023, 16:39

5 / 14

No.	Date	Time	T	HFG	Type	Diameter	V	Time Fus	R	E	Result
121	20.12.22	08:42	30.7°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.748 Ohm	5.4 kJ	 OK

Disediakan Oleh:

ABDULLAH SATARI

Kontraktor

Disemak Oleh:

Inspektor Kontrak (D)

MUHAMAD 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.

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	20/12/2022 (SELASA)
LOCATION	27 - JALAN PARIT HJ OMAR



REMARKS	No. meter : SAJ 17A71434
	No. rumah : No 6
	Semasa kerja (EF)
	Joint number: 17



REMARKS	No. meter : SAJ 17A71434
	No. rumah : No 6
	Semasa kerja (EF)
	Joint number: 18



REMARKS	No. meter : SAJ 17A71434
	No. rumah : No 6
	Semasa kerja (EF)
	Joint number : 19



REMARKS	No. meter : SAJ 17A71434
	No. rumah : No 6
	Selepas kerja



REMARKS	No. meter : SAJ 17A71434
	No. rumah : No 6
	Selepas kerja



REMARKS	No. meter : SAJ 17A71434
	No. rumah : No 6
	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	20/12/2022 (SELASA)						
LOCATION	27 - JALAN PARIT HJ OMAR						
							
REMARKS	No. meter : SAJ 17A71434						
	No. rumah : No 6						
	Selepas kerja (s/s crossing)						
				REMARKS			
				REMARKS			
				REMARKS			

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	20/12/2022 (SELASA)
LOCATION	27 - JALAN PT HJ OMAR (LAPIS 2)



REMARKS	No. meter : SAJ 21H36905
	No. rumah : 42-A
	Semasa kerja (EF)
	Joint number: 23



REMARKS	No. meter : SAJ 21H36905
	No. rumah : 42-A
	Semasa kerja (EF)
	Joint number : 24



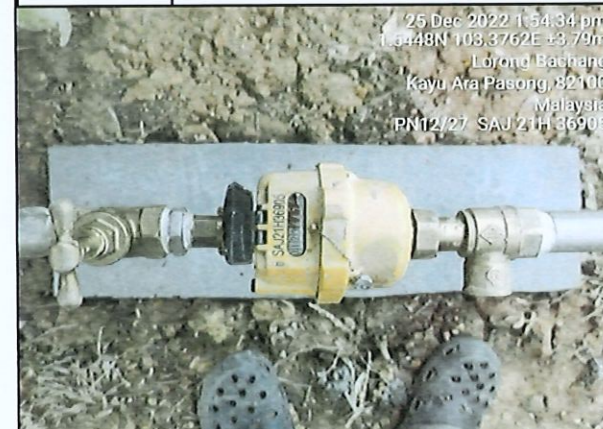
REMARKS	No. meter : SAJ 21H36905
	No. rumah : 42-A
	Semasa kerja (EF)
	Joint number : 25



REMARKS	No. meter : SAJ 21H36905
	No. rumah : 42-A
	Selepas kerja



REMARKS	No. meter : SAJ 21H36905
	No. rumah : 42-A
	Selepas kerja



REMARKS	No. meter : SAJ 21H36905
	No. rumah : 42-A
	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	20/12/2022 (SELASA)
LOCATION	27 - JALAN PT HJ OMAR (LAPIS 2)



REMARKS	No. meter : SAJ 21H36905
	No. rumah : 42-A
	Selepas kerja (s/s crossing)

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REMARKS	

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REMARKS	

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REMARKS	

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REMARKS	

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REMARKS	

COMMUNICATION PIPE WORKS

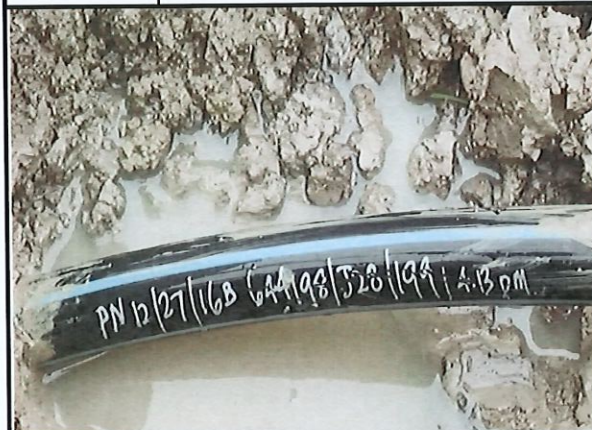
SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	20/12/2022 (SELASA)
LOCATION	27 - JALAN PARIT HJ OMAR (LAPIS 2)



REMARKS	No. meter : SAJ 16B644193
	No. rumah : 42-A
	Semasa kerja (EF)
	Joint number: 26



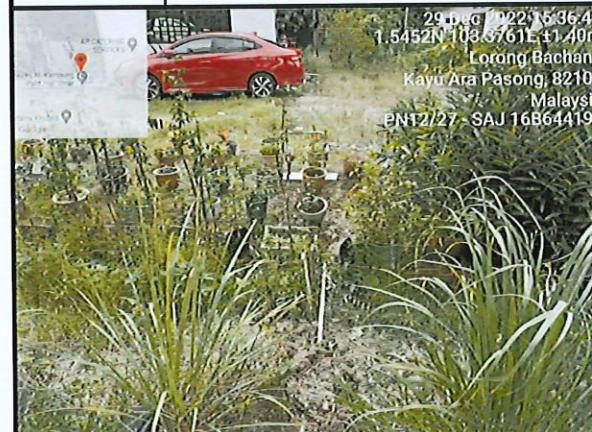
REMARKS	No. meter : SAJ 16B644193
	No. rumah : 42-A
	Semasa kerja (EF)
	Joint number : 27



REMARKS	No. meter : SAJ 16B644193
	No. rumah : 42-A
	Semasa kerja (EF)
	Joint number : 28



REMARKS	No. meter : SAJ 16B644193
	No. rumah : 42-A
	Selepas kerja (s/s crossing)



REMARKS	No. meter: SAJ 16B644193
	No. rumah: 42-A
	Selepas kerja



REMARKS	No. meter: SAJ 16B644193
	No. rumah: 42-A
	Selepas kerja



REMARKS	No. meter: SAJ 16B644193
	No. rumah: 42-A
	Selepas kerja

REMARKS	

REMARKS	

REMARKS	

REMARKS	

REMARKS	

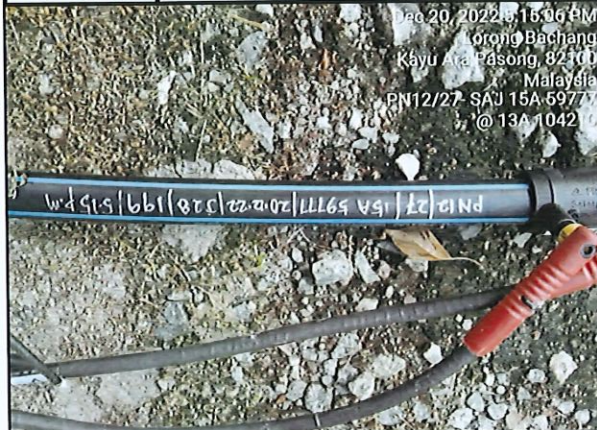


PROGRAM PENGGANTIAN PAIP LAMA BAGI TAHUN 2020 DI NEGERI JOHOR
PAKEJ 2 : DAERAH JOHOR BAHRU, KULAI, PONTIAN, KOTA TINGGI DAN
MERSING



COMMUNICATION PIPE WORKS

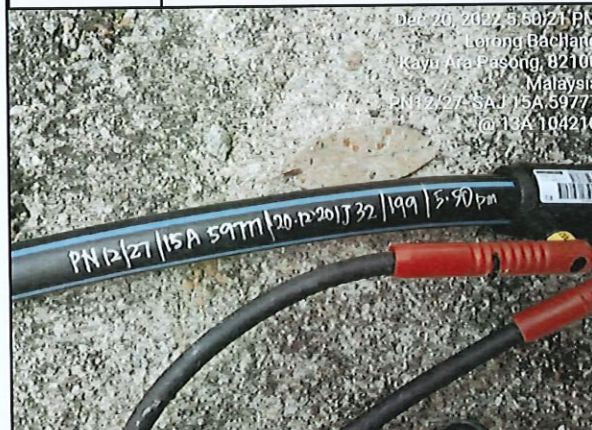
SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	20/12/2022 (SELASA)
LOCATION	27 - JALAN PT HJ OMAR (LAPIS 2)



REMARKS	No. meter : SAJ 15A59777
	No. rumah : 42
	Semasa kerja (EF)
	Joint number: 28 *(29)



REMARKS	No. meter : SAJ 15A59777
	No. rumah : 42
	Semasa kerja (EF)
	Joint number : 29 *(30)



REMARKS	No. meter : SAJ 15A59777
	No. rumah : 42
	Semasa kerja (EF)
	Joint number : 32 *(33)



REMARKS	No. meter : SAJ 15A59777
	No. rumah : 42
	Selepas kerja



REMARKS	No. meter : SAJ 15A59777
	No. rumah : 42
	Selepas kerja



REMARKS	No. meter : SAJ 15A59777
	No. rumah : 42
	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	20/12/2022 (SELASA)		
LOCATION	27 - JALAN PT HJ OMAR (LAPIS 2)		
			
REMARKS	No. meter : SAJ 15A59777		
	No. rumah : 42		
	Selepas kerja (s/s crossing)		
REMARKS			
REMARKS			
REMARKS			

COMMUNICATION PIPE WORKS

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	20/12/2022 (SELASA)
LOCATION	27 - JALAN PARIT HJ OMAR (LAPIS 2)



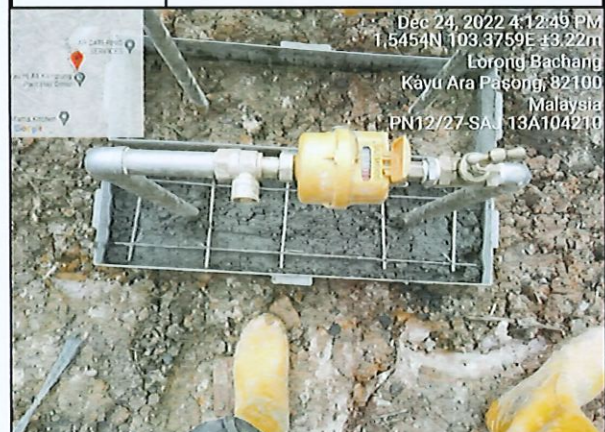
REMARKS	No. meter : SAJ 13A104210
	No. rumah : 42
	Semasa kerja (EF)
	Joint number: 30 *(31)



REMARKS	No. meter : SAJ 13A104210
	No. rumah : 42
	Semasa kerja (EF)
	Joint number : 31 *(32)



REMARKS	No. meter : SAJ 13A104210
	No. rumah : 42
	Semasa kerja (EF)
	Joint number : 33 *(34)



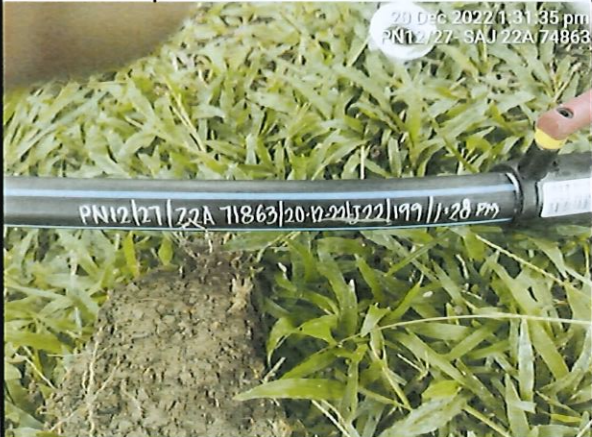
REMARKS	No. meter : SAJ 13A104210
	No. rumah : 42
	Semasa kerja (EF)
	Selepas kerja



REMARKS	No. meter : SAJ 13A104210
	No. rumah : 42
	Selepas kerja



REMARKS	No. meter : SAJ 13A104210
	No. rumah : 42
	Selepas kerja

SUB PACKAGE	PONTIAN (PTN10)		
DMA	PN12 API-API		
DATE	20/12/2022 (SELASA)		
LOCATION	27 - JALAN PARIT HJ OMAR		
REMARKS	 20 Dec 2022 8:44:57 am 1:5472N 103.3803E ±3.79m Jalan Kg Parit Hj Omar Ayer Balo, 82100 Malaysia PN12/27 SAJ 22A 74863		
	No. meter : SAJ 22A74863 No. rumah : No 12 Semasa kerja (EF) Joint number: 120 *(121)		
REMARKS	 28 Dec 2022 8:38:11 am 1:5472N 103.3802E ±3.79m Jalan Kg Parit Hj Omar Ayer Balo, 82100 Malaysia PN12/27 SAJ 22A 74863		
	No. meter : SAJ 22A74863 No. rumah : No 12 Semasa kerja (EF) Joint number: 119 *(120)		
REMARKS	 20 Dec 2022 1:31:35 pm PN12/27 SAJ 22A 74863		
	No. meter : SAJ 22A74863 No. rumah : No 12 Semasa kerja (EF) Joint number : 22		
REMARKS	 Dec 29, 2022 2:22:11 PM 1:5473N 103.3804E ±3.50m PN12/27 SAJ 22A 74863		
	No. meter : SAJ 22A74863 No. rumah : No 12 Semasa kerja		
REMARKS	 Dec 29, 2022 2:30:59 PM 1:5473N 103.3804E ±2.70m PN12/27 SAJ 22A 74863		
	No. meter : SAJ 22A74863 No. rumah : No 12 Selepas kerja		
REMARKS	 Dec 29, 2022 2:31:27 PM 1:5473N 103.3804E ±2.80m PN12/27 SAJ 22A 74863		
	No. meter : SAJ 22A74863 No. rumah : No 12 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	20/12/2022 (SELASA)
LOCATION	27 - JALAN PARIT HJ OMAR



REMARKS	No. meter : SAJ 22A74863
	No. rumah : No 12
	Selepas kerja (s/s crossing)

REMARKS	

REMARKS	

REMARKS	

REMARKS	

REMARKS	

DATA TAPPING DAN PAIP PERHUBUNGAN

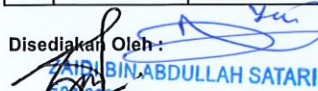
PROGRAM PENGGANTIAN PAIP LAMA TAHUN 2020

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	100	SAJ 22A22884	LOT 4217B		5.00		2.00							
2	UPVC	100	SAJ 19H20812	LOT 4217		3.50		2.00							
3	UPVC	100	SAJ 19H22740	LOT 4217		5.00		2.00							
4	UPVC	100	SAJ 19L03234	T/L8		5.50		2.00							
5	UPVC	100	SAJ 21A30081	LOT 4217		9.50		2.00							
6	UPVC	100	SAJ 13K556903	LOT 4217		2.20		2.00							
7															
8															
9															
10															
11															
12															
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21															
22															
23															
24															
25															
26															
27															
28															
29															
30															
					0.00	30.70	0.00	12.00	0.00	0.00	0.00	0.00	0.00	0.00	

Disediakan Oleh :

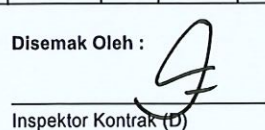

Zaidi Bin Abdullah Satari

Kontraktor

Cop :

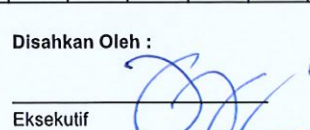


Disemak Oleh :


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 - PAKET 2
Nama :	SHARUDIN BIN HASSAN
No sijil:	199
Nama syarikat:	JALUR CAHAYA SDN BHD
Tarikh dan Masa:	21 / 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.	/	
- <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 <i>fittings</i> timbul.		
Nama Jalan:	PN12/27 - JLN PT HJ OMAR (LAPIS 2)	
	✓	X
Joint No. = 35	/	
Joint No. = 36	/	
Joint No. = 37	/	
Joint No. = 38	/	
Joint No. = 39	/	
Joint No. = 40	/	
Joint No. = 41	/	
Joint No. = 42	/	
Joint No. = 44	/	
Joint No. = 45	/	
Joint No. = 46	/	
Joint No. = 47	/	
Joint No. = 48	/	
Joint No. = 49	/	
Joint No. = 50	/	
Joint No. = 51	/	
Joint No. = 52	/	
Joint No. =		
Joint No. =		
Joint No. =		
2) Hujung paip dipotong dengan tegak dan lurus.		
Nama Jalan:	PN12/27 - JLN PT HJ OMAR (LAPIS 2)	
	✓	X
Joint No. = 35	/	
Joint No. = 36	/	
Joint No. = 37	/	
Joint No. = 38	/	
Joint No. = 39	/	
Joint No. = 40	/	
Joint No. = 41	/	
Joint No. = 42	/	
Joint No. = 44	/	
Joint No. = 45	/	
Joint No. = 46	/	
Joint No. = 47	/	
Joint No. = 48	/	
Joint No. = 49	/	
Joint No. = 50	/	
Joint No. = 51	/	
Joint No. = 52	/	
Joint No. =		
Joint No. =		
Joint No. =		

3) Penyambungan paip yang dilakukan berada dalam keadaan selari.					
Nama Jalan: PN12/27 - JLN PT HJ OMAR (LAPIS 2)					
	✓	X		✓	X
Joint No. = 35	/		Joint No. = 46	/	
Joint No. = 36	/		Joint No. = 47	/	
Joint No. = 37	/		Joint No. = 48	/	
Joint No. = 38	/		Joint No. = 49	/	
Joint No. = 39	/		Joint No. = 50	/	
Joint No. = 40	/		Joint No. = 51	/	
Joint No. = 41	/		Joint No. = 52	/	
Joint No. = 42	/		Joint No. =		
Joint No. = 44	/		Joint No. =		
Joint No. = 45	/		Joint No. =		

4) Kawasan yang telah dikikis (scrapped) boleh dilihat.					
Nama Jalan: PN12/27 - JLN PT HJ OMAR (LAPIS 2)					
	✓	X		✓	X
Joint No. = 35	/		Joint No. = 46	/	
Joint No. = 36	/		Joint No. = 47	/	
Joint No. = 37	/		Joint No. = 48	/	
Joint No. = 38	/		Joint No. = 49	/	
Joint No. = 39	/		Joint No. = 50	/	
Joint No. = 40	/		Joint No. = 51	/	
Joint No. = 41	/		Joint No. = 52	/	
Joint No. = 42	/		Joint No. =		
Joint No. = 44	/		Joint No. =		
Joint No. = 45	/		Joint No. =		

5) Tanda pada paip (penetration depth) tepat dan boleh dilihat.					
Nama Jalan: PN12/27 - JLN PT HJ OMAR (LAPIS 2)					
	✓	X		✓	X
Joint No. = 35	/		Joint No. = 46	/	
Joint No. = 36	/		Joint No. = 47	/	
Joint No. = 37	/		Joint No. = 48	/	
Joint No. = 38	/		Joint No. = 49	/	
Joint No. = 39	/		Joint No. = 50	/	
Joint No. = 40	/		Joint No. = 51	/	
Joint No. = 41	/		Joint No. = 52	/	
Joint No. = 42	/		Joint No. =		
Joint No. = 44	/		Joint No. =		
Joint No. = 45	/		Joint No. =		

6) Tiada kesan percikan paip yang telah cair atau apa-apa kerosakan pada permukaan luar paip yang telah disambung.					
Nama Jalan: PN12/27 - JLN PT HJ OMAR (LAPIS 2)					
	✓	X		✓	X
Joint No. = 35	/		Joint No. = 46	/	
Joint No. = 36	/		Joint No. = 47	/	
Joint No. = 37	/		Joint No. = 48	/	
Joint No. = 38	/		Joint No. = 49	/	
Joint No. = 39	/		Joint No. = 50	/	
Joint No. = 40	/		Joint No. = 51	/	
Joint No. = 41	/		Joint No. = 52	/	
Joint No. = 42	/		Joint No. =		
Joint No. = 44	/		Joint No. =		
Joint No. = 45	/		Joint No. =		

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

Nama Jalan: PNH/27- JLN PT HT OMAK (LAPIS 2)

	✓	X		✓	X
Joint No. = 35	/		Joint No. = 46	/	
Joint No. = 36	/		Joint No. = 47	/	
Joint No. = 37	/		Joint No. = 48	/	
Joint No. = 38	/		Joint No. = 49	/	
Joint No. = 39	/		Joint No. = 50	/	
Joint No. = 40	/		Joint No. = 51	/	
Joint No. = 41	/		Joint No. = 52	/	
Joint No. = 42	/		Joint No. =		
Joint No. = 44	/		Joint No. =		
Joint No. = 45	/		Joint No. =		

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

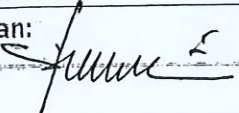
	✓	X		✓	X
Joint No. = 35	/		Joint No. = 46	/	
Joint No. = 36	/		Joint No. = 47	/	
Joint No. = 37	/		Joint No. = 48	/	
Joint No. = 38	/		Joint No. = 49	/	
Joint No. = 39	/		Joint No. = 50	/	
Joint No. = 40	/		Joint No. = 51	/	
Joint No. = 41	/		Joint No. = 52	/	
Joint No. = 42	/		Joint No. =		
Joint No. = 44	/		Joint No. =		
Joint No. = 45	/		Joint No. =		

Ulasan:

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Dikendalikan oleh:	Diperiksa dan disahkan oleh:
Tandatangan: 	Tandatangan: 
Nama Kontraktor:	Nama Kontrak Inspektor:
SHAHDIN B. HASSAN	MUHAMAD AZRI BIN ABDUL AZIZ INSPEKTOR KONTRAK PONTIAN JABATAN PROJEK RANHILL SAJ SDN. BHD.
No. Anggota:	No. Anggota:
199	
Tarikh: 21.12.2022	Tarikh: 21/12/2022

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



ZAIDI BIN ABDULLAH SATARI
 Engineer

BORANG PEMERIKSAAN VISUAL (ELECTRO-FUSION)

Projek:	PROGRAM PENEGLANTIAN 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.	/	
<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 scrapper	/	
- 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: PN12/27 - JLN PT HJ OMAR (LAPIS 2)

	✓	X		✓	X
Joint No. = 137	/		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. =		
Joint No. =			Joint No. =		

2) Hujung paip dipotong dengan tegak dan lurus.

Nama Jalan: PN12/27 - JLN PT HJ OMAR (LAPIS 2)

	✓	X		✓	X
Joint No. = 137	/		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. =		
Joint No. =			Joint No. =		

3) Penyambungan paip yang dilakukan berada dalam keadaan selari.					
Nama Jalan: PN 12/27 - JLN PT HJ OMAR (LAPIS 2)					
	✓	X		✓	X
Joint No. = 137	/		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. =		
Joint No. =			Joint No. =		

4) Kawasan yang telah dikikis (scrapped) boleh dilihat.					
Nama Jalan: PN 12/27 - JLN PT HJ OMAR (LAPIS 2)					
	✓	X		✓	X
Joint No. = 137	/		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. =		
Joint No. =			Joint No. =		

5) Tanda pada paip (penetration depth) tepat dan boleh dilihat.					
Nama Jalan: PN 12/27 - JLN PT HJ OMAR (LAPIS 2)					
	✓	X		✓	X
Joint No. = 137	/		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. =		
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: PN 12/27 - JLN PT HJ OMAR (LAPIS 2)					
	✓	X		✓	X
Joint No. = 137	/		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. =		
Joint No. =			Joint No. =		

7) Paip dan fittings yang disambung dibiarkan untuk sejuk mengikut tempoh masa yang ditetapkan.					
Nama Jalan: PN 12/27 - JLN PT HJ OMAR (LAPIS 2)					
	✓	X		✓	X
Joint No. = 137	/		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. =		
Joint No. =			Joint No. =		

ADAKAH PENYAMBUNGAN ELECTRO-FUSION INI DITERIMA?					
(Jika TIDAK, sila nyatakan ulasan di ruangan yang disediakan)					
	✓	X		✓	X
Joint No. = 137	/		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. =		
Joint No. =			Joint No. =		

Ulasan:

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

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

ZAID BIN ABDULLAH SATARI
Engineer

JALUR CAHAYA SDN BHD
599034-X

ELECTRO-FUSION MACHINE REPORT (COMM PIPE)

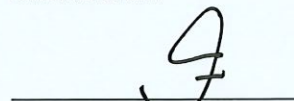
SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 - API API
DATE	21/12/2022 (RABU)
LOCATION	27 - JALAN PT HJ OMAR (LAPIS 2)

35	21.12.22	09:18	27.6°C	FR	CPL	25 mm	28.0 V 0028 s/0028 s	3.705 Ohm	5.7 kJ	✓ OK	✓
36	21.12.22	09:27	27.4°C	FR	CPL	25 mm	28.0 V 0028 s/0028 s	3.735 Ohm	5.6 kJ	✓ OK	✓
37	21.12.22	09:34	27.4°C	FR	CPL	25 mm	28.0 V 0028 s/0028 s	3.742 Ohm	5.6 kJ	✓ OK	✓
38	21.12.22	09:40	27.9°C	FR	CPL	25 mm	28.0 V 0028 s/0028 s	3.737 Ohm	5.6 kJ	✓ OK	✓
39	21.12.22	09:49	28.6°C	FR	CPL	25 mm	28.0 V 0028 s/0028 s	3.752 Ohm	5.6 kJ	✓ OK	✓
40	21.12.22	09:56	28.2°C	FR	CPL	25 mm	28.0 V 0028 s/0028 s	3.731 Ohm	5.6 kJ	✓ OK	✓
41	21.12.22	10:07	30.9°C	FR	CPL	25 mm	28.0 V 0027 s/0027 s	3.739 Ohm	5.4 kJ	✓ OK	✓
42	21.12.22	10:14	36.1°C	FR	CPL	25 mm	28.0 V 0027 s/0027 s	3.740 Ohm	5.4 kJ	✓ OK	✓
43	21.12.22	10:22	33.6°C	FR	CPL	25 mm	28.0 V 0027 s/0027 s	3.750 Ohm	5.4 kJ	✓ OK	✓
44	21.12.22	11:50	30.5°C	FR	CPL	25 mm	28.0 V 0027 s/0027 s	3.748 Ohm	5.4 kJ	✓ OK	✓
45	21.12.22	11:57	30.7°C	FR	CPL	25 mm	28.0 V 0027 s/0027 s	3.725 Ohm	5.4 kJ	✓ OK	✓
46	21.12.22	12:04	30.9°C	FR	CPL	25 mm	28.0 V 0027 s/0027 s	3.759 Ohm	5.4 kJ	✓ OK	✓
47	21.12.22	12:20	32.6°C	FR	CPL	25 mm	28.0 V 0027 s/0027 s	3.687 Ohm	5.5 kJ	✓ OK	✓
48	21.12.22	12:27	32.5°C	FR	CPL	25 mm	28.0 V 0027 s/0027 s	3.742 Ohm	5.4 kJ	✓ OK	✓
49	21.12.22	12:34	32.2°C	FR	CPL	25 mm	28.0 V 0027 s/0027 s	3.720 Ohm	5.4 kJ	✓ OK	✓
50	21.12.22	15:07	32.7°C	FR	CPL	25 mm	28.0 V 0027 s/0027 s	3.685 Ohm	5.5 kJ	✓ OK	✓
51	21.12.22	15:14	32.6°C	FR	CPL	25 mm	28.0 V 0027 s/0027 s	3.748 Ohm	5.4 kJ	✓ OK	✓
52	21.12.22	15:21	32.5°C	FR	CPL	25 mm	28.0 V 0027 s/0027 s	3.730 Ohm	5.4 kJ	✓ OK	✓
137	31.12.22	08:56	27.1°C	FR	CPL	25 mm	28.0 V 0028 s/0028 s	3.727 Ohm	5.6 kJ	✓ OK	✓

Disediakan Oleh:


ZULKIFLI BIN ABDULLAH SATARI
Inspektor
Kontraktor

Disemak Oleh:


MUHAMMAD AZMI BIN ABDUL AZIZ
INSPEKTOR KONTRAK PONTIAN
JABATAN PROJEK
RANHILL SAJ SDN. BHD.

Disahkan Oleh:


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

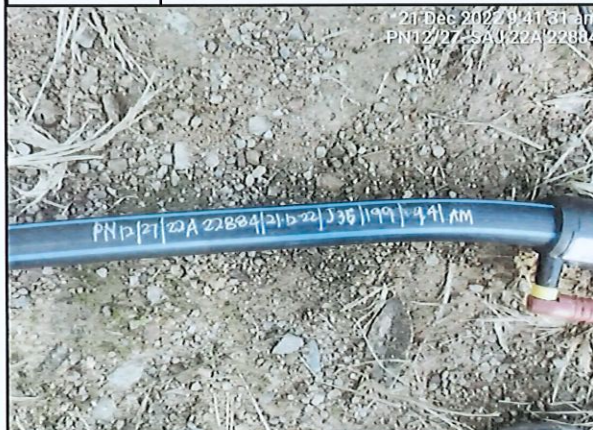
SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	21/12/2022 (RABU)
LOCATION	27 - JALAN PT HJ OMAR (LAPIS 2)



REMARKS	No. meter : SAJ 22A22884
	No. rumah : Lot 4217B
	Semasa kerja (EF)
	Joint number: 34 *(35)



REMARKS	No. meter : SAJ 22A22884
	No. rumah : Lot 4217B
	Semasa kerja (EF)
	Joint number: 35 *(36)



REMARKS	No. meter : SAJ 22A22884
	No. rumah : Lot 4217B
	Semasa kerja (EF)
	Joint number : 36 *(37)



REMARKS	No. meter : SAJ 22A22884
	No. rumah : Lot 4217B
	Semasa kerja



REMARKS	No. meter : SAJ 22A22884
	No. rumah : Lot 4217B
	Selepas kerja



REMARKS	No. meter : SAJ 22A22884
	No. rumah : Lot 4217B
	Selepas kerja

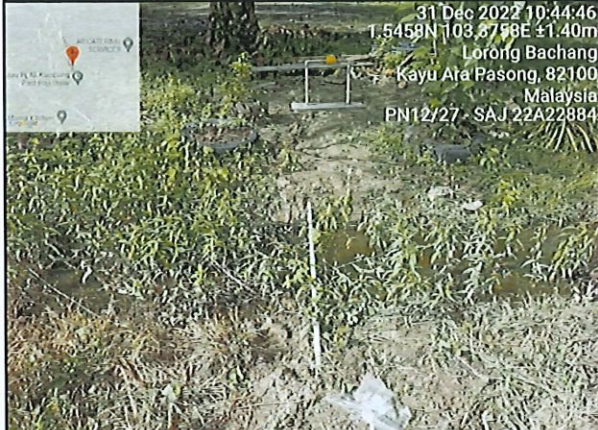


PROGRAM PENGGANTIAN PAIP LAMA BAGI TAHUN 2020 DI NEGERI JOHOR
PAKEJ 2 : DAERAH JOHOR BAHRU, KULAI, PONTIAN, KOTA TINGGI DAN
MERSING



COMMUNICATION PIPE WORKS

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	21/12/2022 (RABU)
LOCATION	27 - JALAN PT HJ OMAR (LAPIS 2)



REMARKS	No. meter : SAJ 22A22884
	No. rumah : Lot 4217B
	Selepas kerja (s/s crossing)

REMARKS	

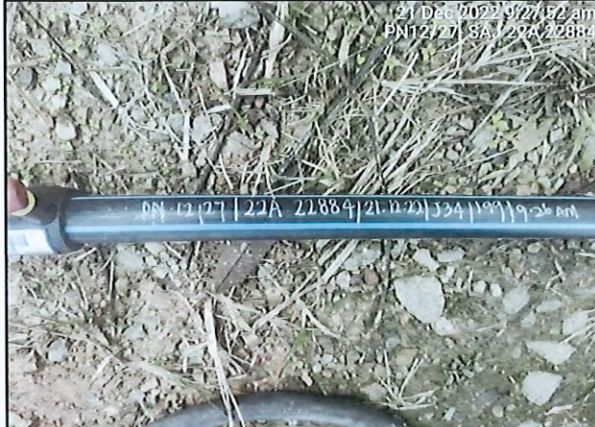
REMARKS	

REMARKS	

REMARKS	

REMARKS	

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	21/12/2022 (RABU)
LOCATION	27 - JALAN PT HJ OMAR (LAPIS 2)



REMARKS	No. meter : SAJ 22A22884
	No. rumah : Lot 4217B
	Semasa kerja (EF)
	Joint number: 34 *(35)



REMARKS	No. meter : SAJ 22A22884
	No. rumah : Lot 4217B
	Semasa kerja (EF)
	Joint number: 35 *(36)



REMARKS	No. meter : SAJ 22A22884
	No. rumah : Lot 4217B
	Semasa kerja (EF)
	Joint number : 36 *(37)



REMARKS	No. meter : SAJ 22A22884
	No. rumah : Lot 4217B
	Semasa kerja



REMARKS	No. meter : SAJ 22A22884
	No. rumah : Lot 4217B
	Selepas kerja



REMARKS	No. meter : SAJ 22A22884
	No. rumah : Lot 4217B
	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	21/12/2022 (RABU)		
LOCATION	27 - JALAN PT HJ OMAR (LAPIS 2)		
 31 Dec 2022 10:44:46 1.5459N 103.8758E ±1.40m Lorong Bachang Kayu Ara Pasong, 82100 Malaysia PN12/27 - SAJ 22A22884			
REMARKS	No. meter : SAJ 22A22884	REMARKS	
	No. rumah : Lot 4217B		
	Selepas kerja (s/s crossing)		
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	21/12/2022 (RABU)
LOCATION	27 - JALAN PT HJ OMAR (LAPIS 2)



REMARKS	No. meter : SAJ 19H20812
	No. rumah : Lot 4217
	Semasa kerja (EF)
	Joint number: 37 *(38)



REMARKS	No. meter : SAJ 19H20812
	No. rumah : Lot 4217
	Semasa kerja (EF)
	Joint number: 38 *(39)



REMARKS	No. meter : SAJ 19H20812
	No. rumah : Lot 4217
	Semasa kerja (EF)
	Joint number : 39 *(40)



REMARKS	No. meter : SAJ 19H20812
	No. rumah : Lot 4217
	Selepas kerja



REMARKS	No. meter : SAJ 19H20812
	No. rumah : Lot 4217
	Selepas kerja



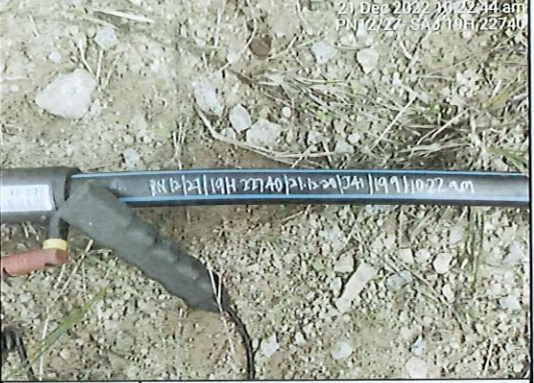
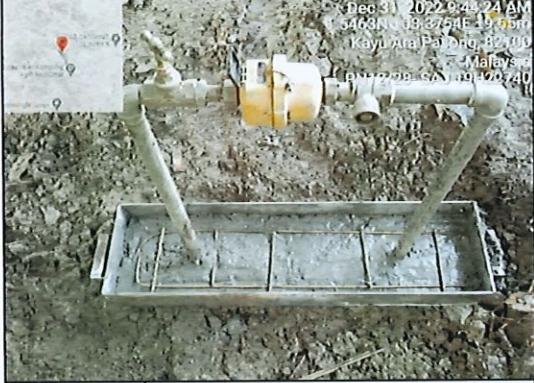
REMARKS	No. meter : SAJ 19H20812
	No. rumah : Lot 4217
	Selepas kerja (s/s crossing)



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	21/12/2022 (RABU)		
LOCATION	27 - JALAN PT HJ OMAR (LAPIS 2)		
REMARKS			
	No. meter : SAJ 19H22740		
	No. rumah : Lot 4217		
	Semasa kerja (EF)		
	Joint number: 40 *(41)		
REMARKS			
	No. meter : SAJ 19H22740		
	No. rumah : Lot 4217		
	Semasa kerja (EF)		
	Joint number: 41 *(42)		
REMARKS			
	No. meter : SAJ 19H22740		
	No. rumah : Lot 4217		
	Semasa kerja (EF)		
	Joint number : 137		
REMARKS			
	No. meter : SAJ 19H22740		
	No. rumah : Lot 4217		
	Semasa kerja		
REMARKS			
	No. meter : SAJ 19H22740		
	No. rumah : Lot 4217		
	Selepas kerja		
REMARKS			
	No. meter : SAJ 19H22740		
	No. rumah : Lot 4217		
	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	21/12/2022 (RABU)		
LOCATION	27 - JALAN PT HJ OMAR (LAPIS 2)		
			
REMARKS	No. meter : SAJ 19H22740 No. rumah : Lot 4217 Selepas kerja (s/s crossing)		
REMARKS			
REMARKS			
REMARKS			

COMMUNICATION PIPE WORKS

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	21/12/2022 (RABU)
LOCATION	27 - JALAN PT HJ OMAR (LAPIS 2)
	
REMARKS	No. meter : SAJ 19L03234 No. rumah : T/L 8 Semasa kerja (EF) Joint number: 43 *(44)
	
REMARKS	No. meter : SAJ 19L03234 No. rumah : T/L 8 Semasa kerja (EF) Joint number: 44 *(45)
	
REMARKS	No. meter : SAJ 19L03234 No. rumah : T/L 8 Semasa kerja (EF) Joint number : 45 *(46)
	
REMARKS	No. meter : SAJ 19L03234 No. rumah : T/L 8 Semasa kerja
	
REMARKS	No. meter : SAJ 19L03234 No. rumah : T/L 8 Selepas kerja
	
REMARKS	No. meter : SAJ 19L03234 No. rumah : T/L 8 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	21/12/2022 (RABU)		
LOCATION	27 - JALAN PT HJ OMAR (LAPIS 2)		
 31 Dec 2022 10:52:52 1.5465N 103.3753E ±1.40m Lorong Bachang Kayu Ara Pasong, 82100 Malaysia PN12/27 - SAJ 19L03234 			
REMARKS	No. meter : SAJ 19L03234		
	No. rumah : T/L 8		
	Selepas kerja (s/s crossnig)		
REMARKS			
REMARKS			
REMARKS			

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	21/12/2022 (RABU)
LOCATION	27 - JALAN PT HJ OMAR (LAPIS 2)



REMARKS	No. meter : SAJ 21A30081
	No. rumah : T/L 9
	Semasa kerja (EF)
	Joint number: 46 *(47)



REMARKS	No. meter : SAJ 21A30081
	No. rumah : T/L 9
	Semasa kerja (EF)
	Joint number: 47 *(48)



REMARKS	No. meter : SAJ 21A30081
	No. rumah : T/L 9
	Semasa kerja (EF)
	Joint number : 48 *(49)



REMARKS	No. meter : SAJ 21A30081
	No. rumah : T/L 9
	Semasa kerja



REMARKS	No. meter : SAJ 21A30081
	No. rumah : T/L 9
	Selepas kerja



REMARKS	No. meter : SAJ 21A30081
	No. rumah : T/L 9
	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	21/12/2022 (RABU)
LOCATION	27 - JALAN PT HJ OMAR (LAPIS 2)



31 Dec 2022 10:53:47
1.5467N 103.3752E +1.40m
Lorong Bachang
Kayu Ara Paseng 82100
Malaysia
PN12/27 - SAJ 21A30081

REMARKS	No. meter : SAJ 21A30081
	No. rumah : T/L 9
	Selepas kerja (s/s crossing)

REMARKS	

REMARKS	

REMARKS	

REMARKS	

REMARKS	

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	21/12/2022 (RABU)
LOCATION	27 - JALAN PT HJ OMAR (LAPIS 2)



REMARKS	No. meter : SAJ 13K556903
	No. rumah : Lot 4217
	Semasa kerja (EF)
	Joint number: 49 *(50)



REMARKS	No. meter : SAJ 13K556903
	No. rumah : Lot 4217
	Semasa kerja (EF)
	Joint number: 50 *(51)



REMARKS	No. meter : SAJ 13K556903
	No. rumah : Lot 4217
	Semasa kerja (EF)
	Joint number : 51 *(52)



REMARKS	No. meter : SAJ 13K556903
	No. rumah : Lot 4217
	Selepas kerja



REMARKS	No. meter : SAJ 13K556903
	No. rumah : Lot 4217
	Selepas kerja



REMARKS	No. meter : SAJ 13K556903
	No. rumah : Lot 4217
	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	21/12/2022 (RABU)
LOCATION	27 - JALAN PT HJ OMAR (LAPIS 2)



31 Dec 2022 10:46:36
 1.8451N 103.8761E ±1.50m
 Lorong Bachang
 Kayu Ara Pasong, 82100
 Malaysia
 PN12/27 : SAJ 13K556903

REMARKS	No. meter : SAJ 13K556903
	No. rumah : Lot 4217
	Selepas kerja (s/s crossing)

REMARKS	

REMARKS	

REMARKS	

REMARKS	

REMARKS	

PIPE LOG

Location

: REHAB 2020 - PAKEJ 2 (SP 10)
PN12/27 - JLN PT HJ OMAR

Sheet No. : 5
Date : 22/12/2022

[illegible]



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	100	SAJ 19A22027 ✓			7.20 ✓									
2	UPVC	100	SAJ 13K552573 ✓			4.00 ✓									
3	UPVC	100	SAJ 18A31258 ✓			8.00 ✓									
4	UPVC	100	SAJ 18L03277 ✓			15.50 ✓									
5	UPVC	100	SAJ 13A82169 ✓			22.50 ✓									
6	UPVC	100	SAJ 17A93124 ✓			9.40 ✓									
7	UPVC	100	SAJ 17A10865 ✓			6.70 ✓									
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	73.30 ✓	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Disediakan Oleh :

Zaid Bin Abdullah Satari

Kontraktor
Cop :



Disemak Oleh :

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

Disahkan Oleh :

Norsilawati Binti Ali
EKSEKUTIF
JABATAN PROJEK
RANHILL SAJ SDN. BHD.

Projek:	PROGRAM PENGANTIAN PAIP LAMA BAGI TAHUN 2020 - PAKES 2
Nama :	SHARUDIN BIN HASAN
No sijil:	199
Nama syarikat:	JALUR CAHAYA SDN BHD
Tarikh dan Masa:	22/12/2022

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:	PN12/27 - JLN PI HJ OMAR	
	✓	X
Joint No. = 66	/	
Joint No. = 67	/	
Joint No. = 68	/	
Joint No. = 69	/	
Joint No. = 70	/	
Joint No. = 71	/	
Joint No. = 72	/	
Joint No. = 73	/	
Joint No. = 74	/	
Joint No. = 75	/	
Joint No. = 76	/	
Joint No. = 77	/	
Joint No. = 78	/	
Joint No. = 79	/	
Joint No. = 80	/	
Joint No. =		
Joint No. =		
Joint No. =		
Joint No. =		
Joint No. =		
2) Hujung paip dipotong dengan tegak dan lurus.		
Nama Jalan:	PN12/27 - JLN PI HJ OMAR	
	✓	X
Joint No. = 66	/	
Joint No. = 67	/	
Joint No. = 68	/	
Joint No. = 69	/	
Joint No. = 70	/	
Joint No. = 71	/	
Joint No. = 72	/	
Joint No. = 73	/	
Joint No. = 74	/	
Joint No. = 75	/	
Joint No. = 76	/	
Joint No. = 77	/	
Joint No. = 78	/	
Joint No. = 79	/	
Joint No. = 80	/	
Joint No. =		
Joint No. =		
Joint No. =		
Joint No. =		
Joint No. =		

3) Penyambungan paip yang dilakukan berada dalam keadaan selari.

Nama Jalan: PN12/27 - JLN PT HJ OMAR

	✓	X		✓	X
Joint No. = 66	/		Joint No. = 76	/	
Joint No. = 67	/		Joint No. = 77	/	
Joint No. = 68	/		Joint No. = 78	/	
Joint No. = 69	/		Joint No. = 79	/	
Joint No. = 70	/		Joint No. = 80	/	
Joint No. = 71	/		Joint No. =		
Joint No. = 72	/		Joint No. =		
Joint No. = 73	/		Joint No. =		
Joint No. = 74	/		Joint No. =		
Joint No. = 75	/		Joint No. =		

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

Nama Jalan: PN12/27 - JLN PT HJ OMAR

	✓	X		✓	X
Joint No. = 66	/		Joint No. = 76	/	
Joint No. = 67	/		Joint No. = 77	/	
Joint No. = 68	/		Joint No. = 78	/	
Joint No. = 69	/		Joint No. = 79	/	
Joint No. = 70	/		Joint No. = 80	/	
Joint No. = 71	/		Joint No. =		
Joint No. = 72	/		Joint No. =		
Joint No. = 73	/		Joint No. =		
Joint No. = 74	/		Joint No. =		
Joint No. = 75	/		Joint No. =		

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

Nama Jalan: PN12/27 - JLN PT HJ OMAR

	✓	X		✓	X
Joint No. = 66	/		Joint No. = 76	/	
Joint No. = 67	/		Joint No. = 77	/	
Joint No. = 68	/		Joint No. = 78	/	
Joint No. = 69	/		Joint No. = 79	/	
Joint No. = 70	/		Joint No. = 80	/	
Joint No. = 71	/		Joint No. =		
Joint No. = 72	/		Joint No. =		
Joint No. = 73	/		Joint No. =		
Joint No. = 74	/		Joint No. =		
Joint No. = 75	/		Joint No. =		

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

Nama Jalan: PN12/27 - JLN PT HJ OMAR

	✓	X		✓	X
Joint No. = 66	/		Joint No. = 76	/	
Joint No. = 67	/		Joint No. = 77	/	
Joint No. = 68	/		Joint No. = 78	/	
Joint No. = 69	/		Joint No. = 79	/	
Joint No. = 70	/		Joint No. = 80	/	
Joint No. = 71	/		Joint No. =		
Joint No. = 72	/		Joint No. =		
Joint No. = 73	/		Joint No. =		
Joint No. = 74	/		Joint No. =		
Joint No. = 75	/		Joint No. =		

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

Nama Jalan: PN12/27 - JLN PT HJ OMAR

	✓	X		✓	X
Joint No. = 66	/		Joint No. = 76	/	
Joint No. = 67	/		Joint No. = 77	/	
Joint No. = 68	/		Joint No. = 78	/	
Joint No. = 69	/		Joint No. = 79	/	
Joint No. = 70	/		Joint No. =	/	
Joint No. = 71	/		Joint No. =		
Joint No. = 72	/		Joint No. =		
Joint No. = 73	/		Joint No. =		
Joint No. = 74	/		Joint No. =		
Joint No. = 75	/		Joint No. =		

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

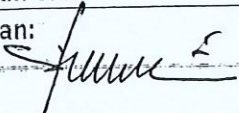
	✓	X		✓	X
Joint No. = 66	/		Joint No. = 76	/	
Joint No. = 67	/		Joint No. = 77	/	
Joint No. = 68	/		Joint No. = 78	/	
Joint No. = 69	/		Joint No. = 79	/	
Joint No. = 70	/		Joint No. = 80	/	
Joint No. = 71	/		Joint No. =		
Joint No. = 72	/		Joint No. =		
Joint No. = 73	/		Joint No. =		
Joint No. = 74	/		Joint No. =		
Joint No. = 75	/		Joint No. =		

Ulasan:

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Dikendalikan oleh:	Diperiksa dan disahkan oleh:
Tandatangan: 	Tandatangan: 
Nama Kontraktor:	Nama Kontrak Inspektor:
<u>SHAHRUDIN 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>22/12/2022</u>	Tarikh: <u>22/12/2022</u>

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


ZAIDI BIN ABULLAH SATARI
Engineer



Projek:	PROGRAM PENGANTIAN PAIP LAMA BAGI TAHUN 2020 - PAKET 2
Nama :	SHARUPIN BIN HASSAN
No sijil:	199
Nama syarikat:	JALUR CAHAYA SDN BHD
Tarikh dan Masa:	28/12/2020

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 scrapper	/	
- 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 12/27 - JLN PT HJ OMAR	
	✓	X
Joint No. = 122	/	
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:	PN 12/27 - JLN PT HJ OMAR	
	✓	X
Joint No. = 122	/	
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: PN12/27 - JLN PT HJ OMAR

	✓	X		✓	X
Joint No. = 127	/		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. =		
Joint No. =			Joint No. =		

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

Nama Jalan: PN12/27 - JLN PT HJ OMAR

	✓	X		✓	X
Joint No. = 127	/		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. =		
Joint No. =			Joint No. =		

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

Nama Jalan: PN12/27 - JLN PT HJ OMAR

	✓	X		✓	X
Joint No. = 127	/		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. =		
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: PN12/27 - JLN PT HJ OMAR

	✓	X		✓	X
Joint No. = 127	/		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. =		
Joint No. =			Joint No. =		

7) Paip dan fittings yang disambung dibiarkan untuk sejuk mengikut tempoh masa yang ditetapkan.					
Nama Jalan: PN12/27 - JLN PT HJ OMAR					
	✓	X		✓	X
Joint No. = 122	/		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. =		
Joint No. =			Joint No. =		

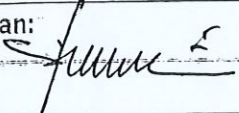
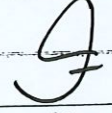
ADAKAH PENYAMBUNGAN ELECTRO-FUSION INI DITERIMA?					
(Jika TIDAK, sila nyatakan ulasan di ruangan yang disediakan)					
	✓	X		✓	X
Joint No. = 122	/		Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		
Joint No. =			Joint No. =		

Ulasan:

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Dikendalikan oleh:	Diperiksa dan disahkan oleh:
Tandatangan: 	Tandatangan: 
Nama Kontraktor: SHAHDIN 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: 28/12/2022	Tarikh: 28/12/2022

**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	22/12/2022 (KHAMIS)
LOCATION	27 - JALAN PT HJ OMAR

66	22.12.22	12:14	33.5°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.780 Ohm	5.4 kJ	✓ OK
67	22.12.22	12:25	34.3°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.738 Ohm	5.4 kJ	✓ OK
68	22.12.22	12:47	32.4°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.719 Ohm	5.5 kJ	✓ OK
69	22.12.22	12:55	33.9°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.747 Ohm	5.4 kJ	✓ OK
70	22.12.22	13:03	33.2°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.751 Ohm	5.4 kJ	✓ OK
71	22.12.22	13:10	33.8°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.721 Ohm	5.4 kJ	✓ OK
72	22.12.22	14:44	34.9°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.731 Ohm	5.4 kJ	✓ OK
73	22.12.22	14:56	34.3°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.735 Ohm	5.4 kJ	✓ OK
74	22.12.22	15:04	35.2°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.723 Ohm	5.4 kJ	✓ OK
75	22.12.22	15:11	36.3°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.726 Ohm	5.4 kJ	✓ OK
76	22.12.22	15:45	35.7°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.738 Ohm	5.4 kJ	✓ OK
77	22.12.22	16:56	32.4°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.732 Ohm	5.4 kJ	✓ OK
78	22.12.22	17:07	32.6°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.732 Ohm	5.4 kJ	✓ OK
79	22.12.22	17:13	31.7°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.691 Ohm	5.5 kJ	✓ OK
80	22.12.22	17:24	29.4°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.707 Ohm	5.5 kJ	✓ OK
122	28.12.22	10:17	31.3°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.773 Ohm	5.7 kJ	✓ OK

Disediakan Oleh:


KONTRAKTOR
Zaidi Bin Abdul Wahid
Engineer

Disemak Oleh:


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

Disahkan Oleh:


EKSEKUTIF
ROSIL AWATI BINTI ALI
EKSEKUTIF
JABATAN PROJEK
RANHILL SAJ SDN. BHD.

COMMUNICATION PIPE WORKS

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	22/12/2022 (KHAMIS)
LOCATION	27 - JALAN PARIT HJ OMAR



REMARKS	No. meter : SAJ 19A22027
	No. rumah :
	Semasa kerja (EF)
	Joint number: 65 * 66



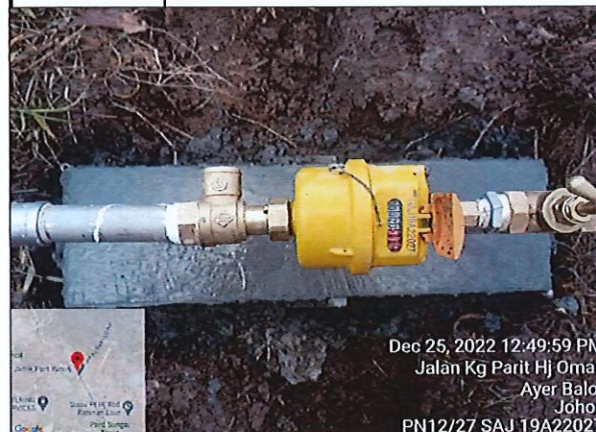
REMARKS	No. meter : SAJ 19A22027
	No. rumah :
	Semasa kerja (EF)
	Joint number 66 * 67



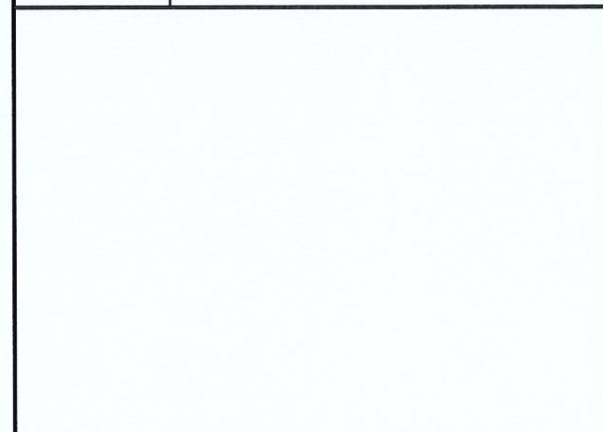
REMARKS	No. meter : SAJ 19A22027
	No. rumah :
	Semasa kerja



REMARKS	No. meter : SAJ 19A22027
	No. rumah :
	Selepas kerja

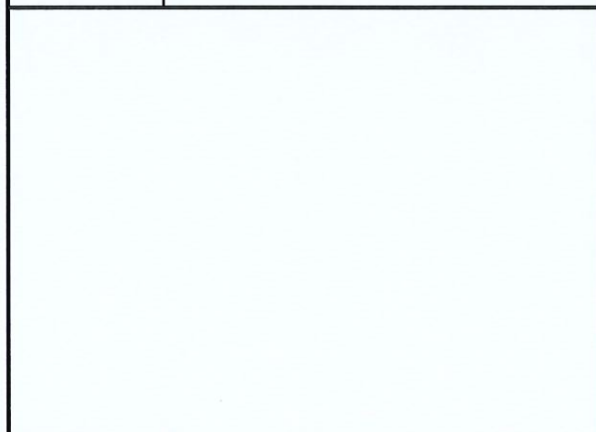


REMARKS	No. meter : SAJ 19A22027
	No. rumah :
	Selepas kerja



REMARKS	
---------	--

COMMUNICATION PIPE WORKS

SUB PACKAGE		PONTIAN (PTN10)						
DMA		PN12 API-API						
DATE		22/12/2022 (KHAMIS)						
LOCATION		27 - JALAN PARIT HJ OMAR						
 <table><tr><td rowspan="4">REMARKS</td><td>No. meter : SAJ 13K552573</td></tr><tr><td>No. rumah :</td></tr><tr><td>Sebelum kerja (EF)</td></tr><tr><td>Joint number: 67 *68</td></tr></table>				REMARKS	No. meter : SAJ 13K552573	No. rumah :	Sebelum kerja (EF)	Joint number: 67 *68
REMARKS	No. meter : SAJ 13K552573							
	No. rumah :							
	Sebelum kerja (EF)							
	Joint number: 67 *68							
 <table><tr><td rowspan="4">REMARKS</td><td>No. meter : SAJ 13K552573</td></tr><tr><td>No. rumah :</td></tr><tr><td>Semasa kerja (EF)</td></tr><tr><td>Joint number: 68 *69</td></tr></table>				REMARKS	No. meter : SAJ 13K552573	No. rumah :	Semasa kerja (EF)	Joint number: 68 *69
REMARKS	No. meter : SAJ 13K552573							
	No. rumah :							
	Semasa kerja (EF)							
	Joint number: 68 *69							
 <table><tr><td rowspan="4">REMARKS</td><td>No. meter : SAJ 13K552573</td></tr><tr><td>No. rumah :</td></tr><tr><td>Selepas kerja</td></tr><tr><td></td></tr></table>				REMARKS	No. meter : SAJ 13K552573	No. rumah :	Selepas kerja	
REMARKS	No. meter : SAJ 13K552573							
	No. rumah :							
	Selepas kerja							
 <table><tr><td rowspan="4">REMARKS</td><td>No. meter : SAJ 13K552573</td></tr><tr><td>No. rumah :</td></tr><tr><td>Selepas kerja</td></tr><tr><td></td></tr></table>				REMARKS	No. meter : SAJ 13K552573	No. rumah :	Selepas kerja	
REMARKS	No. meter : SAJ 13K552573							
	No. rumah :							
	Selepas kerja							
 <table><tr><td rowspan="4">REMARKS</td><td>No. meter : SAJ 13K552573</td></tr><tr><td>No. rumah :</td></tr><tr><td>Selepas kerja</td></tr><tr><td></td></tr></table>				REMARKS	No. meter : SAJ 13K552573	No. rumah :	Selepas kerja	
REMARKS	No. meter : SAJ 13K552573							
	No. rumah :							
	Selepas kerja							
 <table><tr><td rowspan="4">REMARKS</td><td></td></tr><tr><td></td></tr><tr><td></td></tr><tr><td></td></tr></table>				REMARKS				
REMARKS								

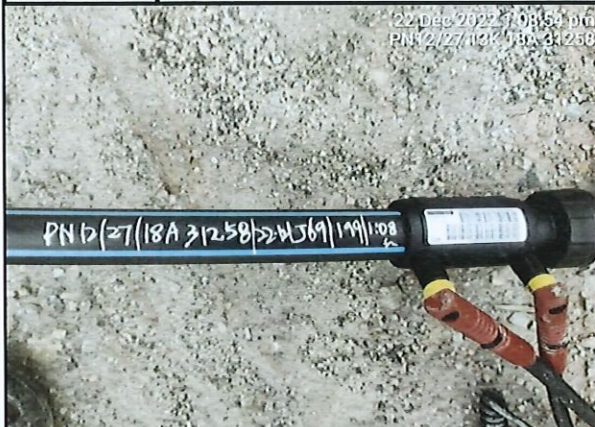


PROGRAM PENGGANTIAN PAIP LAMA BAGI TAHUN 2020 DI NEGERI JOHOR
PAKEJ 2 : DAERAH JOHOR BAHRU, KULAI, PONTIAN, KOTA TINGGI DAN
MERSING



COMMUNICATION PIPE WORKS

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	22/12/2022 (KHAMIS)
LOCATION	27 - JALAN PARIT HJ OMAR



REMARKS	No. meter : SAJ 18A31258
	No. rumah :
	Semasa kerja (EF)
	Joint number: 69 70



REMARKS	No. meter : SAJ 18A31258
	No. rumah :
	Semasa kerja (EF)
	Joint number : 70 71



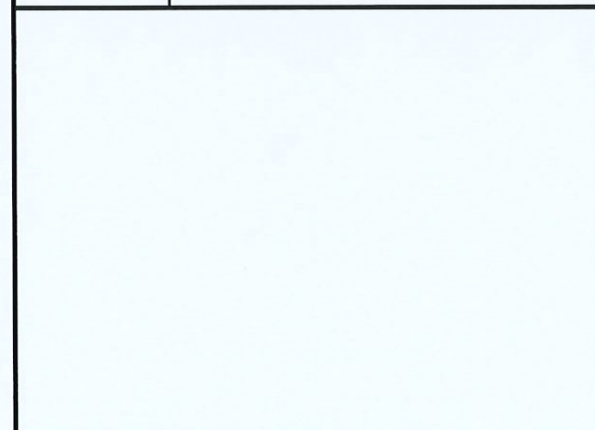
REMARKS	No. meter : SAJ 18A31258
	No. rumah :
	Semasa kerja



REMARKS	No. meter : SAJ 18A31258
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 18A31258
	No. rumah :
	Selepas kerja



REMARKS	
---------	--

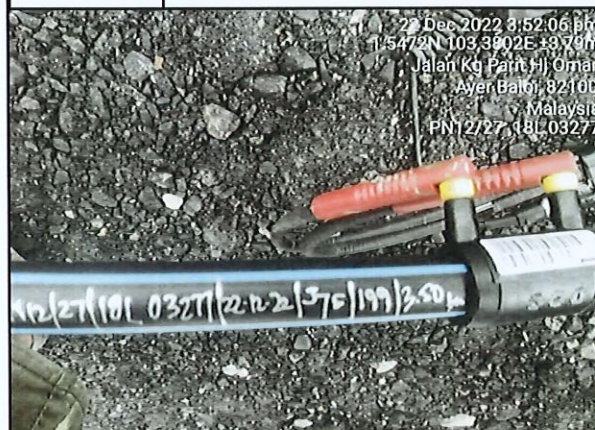
SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	22/12/2022 (KHAMIS)
LOCATION	27 - JALAN PARIT HJ OMAR



REMARKS	No. meter : SAJ 18L03277
	No. rumah : 12
	Semasa kerja (EF)
	Joint number: 71 * 72



REMARKS	No. meter : SAJ 18L03277
	No. rumah : 12
	Semasa kerja (EF)
	Joint number: 72 * 73



REMARKS	No. meter : SAJ 18L03277
	No. rumah : 12
	Semasa kerja (EF)
	Joint number: 75 * 76



REMARKS	No. meter : SAJ 18L03277
	No. rumah : 12
	Selepas kerja



REMARKS	No. meter : SAJ 18L03277
	No. rumah : 12
	Semasa kerja



REMARKS	No. meter : SAJ 18L03277
	No. rumah : 12
	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	21/12/2022 (RABU)
LOCATION	27 - JALAN PARIT HJ OMAR



REMARKS	No. meter : SAJ 17A93124
	No. rumah : -
	Semasa kerja (EF)
	Joint number: 76 * 77



REMARKS	No. meter : SAJ 17A93124
	No. rumah :
	Semasa kerja (EF)
	Joint number: 77 * 78



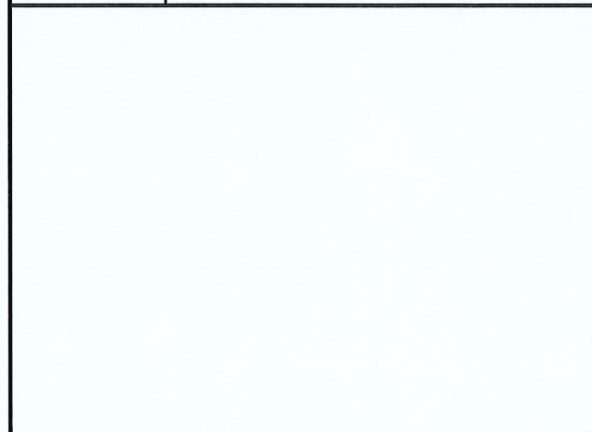
REMARKS	No. meter : SAJ 17A93124
	No. rumah : -
	Semasa kerja



REMARKS	No. meter : SAJ 17A93124
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 17A93124
	No. rumah : -
	Selepas



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	21/12/2022 (RABU)
LOCATION	27 - JALAN PARIT HJ OMAR



REMARKS	No. meter : SAJ 17A10865
	No. rumah : 15
	Semasa kerja (EF)
	Joint number: 78 *79



REMARKS	No. meter : SAJ 17A10865
	No. rumah : 15
	Semasa kerja (EF)
	Joint number: 79 *80



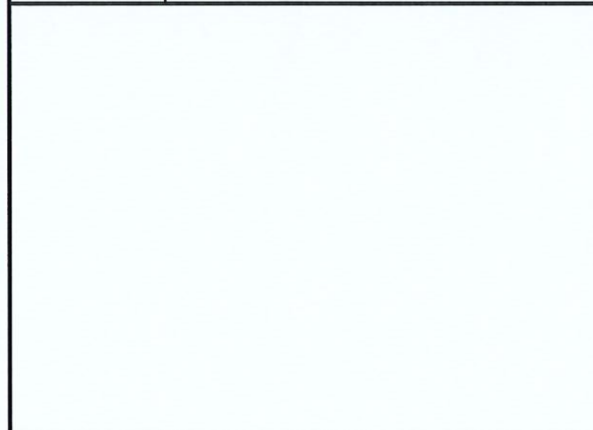
REMARKS	No. meter : SAJ 17A10865
	No. rumah : 15
	Semasa kerja



REMARKS	No. meter : SAJ 17A10865
	No. rumah : 15
	Selepas kerja



REMARKS	No. meter : SAJ 17A10865
	No. rumah : 15
	Selepas kerja



REMARKS	



Ranhill
SAJ

RSAJ P-B107.Rev.4

DATA TAPPING DAN PAIP PERHUBUNGAN

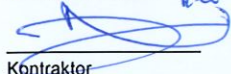
PROGRAM PENGGANTIAN PAIP LAMA TAHUN 2020

Nama Projek : PROGRAM PENGGANTIAN PAIP LAMA BAGI TAHUN 2020

Nama Kontraktor : JALUR CAHAYA SDN BHD

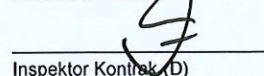
Bil	Pipe	Size (mm)	No. Meter	No Rumah	Comm Pipe (m)		Lintas Parit		Bawah Jalan			Korekan (m2)			Catatan
					PA Pipe (m)	Poly Pipe (m)	GI Sleeve (m)	Stainless Steel (m)	Open Trench (m)	GI Sleeve (m)	Impact Molling	Jubin	Konkrit	Longkang	
1	UPVC	100	17A71014 ✓	NO 66		5.80 ✓		2.00 ✓							
2	UPVC	100	20A25470 ✓	NO 66		5.40 ✓		1.80 ✓							
3	UPVC	100	14A25558 ✓			5.40 ✓		2.00 ✓							
4	UPVC	100	17A93122 ✓	NO 16		7.50 ✓									
5	UPVC	100	17A93121 ✓	NO 17		7.50 ✓									
6	UPVC	100	NO METER ✓	NO 18		8.50 ✓									
7															
8															
9															
10															
11															
12															
13															
14															
15															
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19															
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21															
22															
23															
24															
25															
26															
27															
28															
29															
30															
					0.00	40.10 ✓	0.00	5.80 ✓	0.00	0.00	0.00	0.00	0.00	0.00	

Disediakan Oleh :


Kontraktor

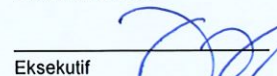
Cop :

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 PENGEANTIAN PAIP LAMA BAGI TAHUN 2020 - PAKET 2
Nama :	SHARUDIN BIN HASSAN
No sijil:	199
Nama syarikat:	JALUR CAHAYA SDN BHD
Tarikh dan Masa:	26/12/2022

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 scrapper	/	
- 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 12/27 - JLN PT HJ OMAR, (Lapis 2)	
	✓	X
Joint No. = 90	/	
Joint No. = 91	/	
Joint No. = 92	/	
Joint No. = 93	/	
Joint No. = 94	/	
Joint No. = 95	/	
Joint No. = 96	/	
Joint No. = 97	/	
Joint No. = 98	/	
Joint No. = 99	/	
Joint No. = 100	/	
Joint No. = 101	/	
Joint No. = 102	/	
Joint No. = 103	/	
Joint No. = 104	/	
Joint No. = 105		
Joint No. = 106		
Joint No. = 107		
Joint No. = 108		
Joint No. = 109		
Joint No. = 110		
2) Hujung paip dipotong dengan tegak dan lurus.		
Nama Jalan:	PN 12/27 - JLN PT HJ OMAR, (Lapis 2)	
	✓	X
Joint No. = 90	/	
Joint No. = 91	/	
Joint No. = 92	/	
Joint No. = 93	/	
Joint No. = 94	/	
Joint No. = 95	/	
Joint No. = 96	/	
Joint No. = 97	/	
Joint No. = 98	/	
Joint No. = 99	/	
Joint No. = 100	/	
Joint No. = 101	/	
Joint No. = 102	/	
Joint No. = 103	/	
Joint No. = 104	/	
Joint No. = 105		
Joint No. = 106		
Joint No. = 107		
Joint No. = 108		
Joint No. = 109		
Joint No. = 110		

3) Penyambungan paip yang dilakukan berada dalam keadaan selari.

Nama Jalan: PN12/27 - JLN PT HJ OMAR, (LAPIS 2)

	✓	X		✓	X
Joint No. = 90	/		Joint No. = 100	/	
Joint No. = 91	/		Joint No. = 101	/	
Joint No. = 92	/		Joint No. = 102	/	
Joint No. = 93	/		Joint No. = 103	/	
Joint No. = 94	/		Joint No. = 104	/	
Joint No. = 95	/		Joint No. =		
Joint No. = 96	/		Joint No. =		
Joint No. = 97	/		Joint No. =		
Joint No. = 98	/		Joint No. =		
Joint No. = 99	/		Joint No. =		

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

Nama Jalan: PN12/27 - JLN PT HJ OMAR, (LAPIS 2)

	✓	X		✓	X
Joint No. = 90	/		Joint No. = 100	/	
Joint No. = 91	/		Joint No. = 101	/	
Joint No. = 92	/		Joint No. = 102	/	
Joint No. = 93	/		Joint No. = 103	/	
Joint No. = 94	/		Joint No. = 104	/	
Joint No. = 95	/		Joint No. =		
Joint No. = 96	/		Joint No. =		
Joint No. = 97	/		Joint No. =		
Joint No. = 98	/		Joint No. =		
Joint No. = 99	/		Joint No. =		

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

Nama Jalan: PN12/27 - JLN PT HJ OMAR, (LAPIS 2)

	✓	X		✓	X
Joint No. = 90	/		Joint No. = 100	/	
Joint No. = 91	/		Joint No. = 101	/	
Joint No. = 92	/		Joint No. = 102	/	
Joint No. = 93	/		Joint No. = 103	/	
Joint No. = 94	/		Joint No. = 104	/	
Joint No. = 95	/		Joint No. =		
Joint No. = 96	/		Joint No. =		
Joint No. = 97	/		Joint No. =		
Joint No. = 98	/		Joint No. =		
Joint No. = 99	/		Joint No. =		

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

Nama Jalan: PN12/27 - JLN PT HJ OMAR, (LAPIS 2)

	✓	X		✓	X
Joint No. = 90	/		Joint No. = 100	/	
Joint No. = 91	/		Joint No. = 101	/	
Joint No. = 92	/		Joint No. = 102	/	
Joint No. = 93	/		Joint No. = 103	/	
Joint No. = 94	/		Joint No. = 104	/	
Joint No. = 95	/		Joint No. =		
Joint No. = 96	/		Joint No. =		
Joint No. = 97	/		Joint No. =		
Joint No. = 98	/		Joint No. =		
Joint No. = 99	/		Joint No. =		

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

Nama Jalan: PN 12/27 - JLN PT HS OMAR, (CAPIS L)

	✓	X		✓	X
Joint No. = 90	/		Joint No. = 100	/	
Joint No. = 91	/		Joint No. = 101	/	
Joint No. = 92	/		Joint No. = 102	/	
Joint No. = 93	/		Joint No. = 103	/	
Joint No. = 94	/		Joint No. = 104	/	
Joint No. = 95	/		Joint No. =		
Joint No. = 96	/		Joint No. =		
Joint No. = 97	/		Joint No. =		
Joint No. = 98	/		Joint No. =		
Joint No. = 99	/		Joint No. =		

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

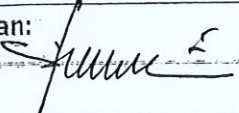
	✓	X		✓	X
Joint No. = 90	/		Joint No. = 100	/	
Joint No. = 91	/		Joint No. = 101	/	
Joint No. = 92	/		Joint No. = 102	/	
Joint No. = 93	/		Joint No. = 103	/	
Joint No. = 94	/		Joint No. = 104	/	
Joint No. = 95	/		Joint No. =		
Joint No. = 96	/		Joint No. =		
Joint No. = 97	/		Joint No. =		
Joint No. = 98	/		Joint No. =		
Joint No. = 99	/		Joint No. =		

Ulasan:

.....

.....

.....

Dikendalikan oleh:	Diperiksa dan disahkan oleh:
Tandatangan: 	Tandatangan: 
Nama Kontraktor: <u>SHAHDIN B. HASSAN</u>	Nama Kontrak Inspektor: <u>MUHAMAD AZRI BIN ABDUL AZIZ</u> INSPEKTOR KONTRAK PONTIAN
No. Anggota: <u>199</u>	No. Anggota: JABATAN PROJEK RANHILL SAI SDN. BHD.
Tarikh: <u>26/01/2022</u>	Tarikh: <u>26/12/2022</u>

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



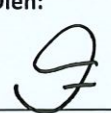
ZAIDI BIN ABDULLAH SATARI
Engineer

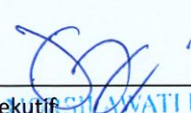
SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 - API API
DATE	26/12/2022 (ISNIN)
LOCATION	27 - JALAN PT HJ OMAR, LAPIS 2

90	26.12.22	12:20	32.0°C	FR	CPL	25 mm	28.0 V 0027 s/0027 s	3.756 Ohm	5.4 kJ	✓ OK
91	26.12.22	12:27	31.6°C	FR	CPL	25 mm	28.0 V 0027 s/0027 s	3.682 Ohm	5.5 kJ	✓ OK
92	26.12.22	12:33	31.4°C	FR	CPL	25 mm	28.0 V 0027 s/0027 s	3.694 Ohm	5.5 kJ	✓ OK
93	26.12.22	12:40	31.1°C	FR	CPL	25 mm	28.0 V 0027 s/0027 s	3.750 Ohm	5.4 kJ	✓ OK
94	26.12.22	12:47	30.9°C	FR	CPL	25 mm	28.0 V 0027 s/0027 s	3.726 Ohm	5.5 kJ	✓ OK
95	26.12.22	12:55	30.7°C	FR	CPL	25 mm	28.0 V 0027 s/0027 s	3.747 Ohm	5.4 kJ	✓ OK
96	26.12.22	13:02	30.7°C	FR	CPL	25 mm	28.0 V 0027 s/0027 s	3.717 Ohm	5.4 kJ	✓ OK
97	26.12.22	13:09	31.1°C	FR	CPL	25 mm	28.0 V 0027 s/0027 s	3.743 Ohm	5.4 kJ	✓ OK
98	26.12.22	13:17	31.2°C	FR	CPL	25 mm	28.0 V 0027 s/0027 s	3.712 Ohm	5.5 kJ	✓ OK
99	26.12.22	15:10	32.4°C	FR	CPL	25 mm	28.0 V 0027 s/0027 s	3.762 Ohm	5.4 kJ	✓ OK
100	26.12.22	15:16	33.8°C	FR	CPL	25 mm	28.0 V 0027 s/0027 s	3.737 Ohm	5.5 kJ	✓ OK
101	26.12.22	15:24	34.2°C	FR	CPL	25 mm	28.0 V 0027 s/0027 s	3.721 Ohm	5.4 kJ	✓ OK
102	26.12.22	15:31	34.1°C	FR	CPL	25 mm	28.0 V 0027 s/0027 s	3.738 Ohm	5.4 kJ	✓ OK
103	26.12.22	15:38	34.5°C	FR	CPL	25 mm	28.0 V 0027 s/0027 s	3.759 Ohm	5.4 kJ	✓ OK
104	26.12.22	15:45	40.2°C	FR	CPL	25 mm	28.0 V 0027 s/0027 s	3.750 Ohm	5.4 kJ	✓ OK

Disediakan Oleh: 
PAIDI BIN ABDULLAH SATARI
KONTRAKTOR



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

Disahkan Oleh: 
EKSEKUTIF
JABATAN PROJEK
RANHILL SAJ SDN. BHD.

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	26/12/2022 (ISNIN)
LOCATION	27 - JALAN PARIT HJ OMAR (LAPIS 2)



REMARKS	No. meter : SAJ 17A71014
	No. rumah : NO 66
	Semasa kerja (EF)
	Joint number: 89 (90)



REMARKS	No. meter : SAJ 17A71014
	No. rumah : NO 66
	Semasa kerja (EF)
	Joint number: 91 (92)



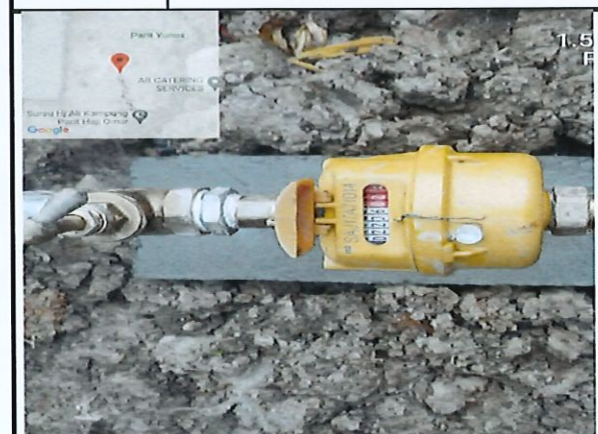
REMARKS	No. meter : SAJ 17A71014
	No. rumah : NO 66
	Selepas kerja



REMARKS	No. meter : SAJ 17A71014
	No. rumah : NO 66
	Semasa kerja (EF)
	Joint number: 90 (91)



REMARKS	No. meter : SAJ 17A71014
	No. rumah : NO 66
	Selepas kerja



REMARKS	No. meter : SAJ 17A71014
	No. rumah : NO 66
	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	26/12/2022 (ISNIN)
LOCATION	27 - JALAN PARIT HJ OMAR (LAPIS 2)



REMARKS	No. meter : SAJ 17A71014
	No. rumah : NO 66
	Selepas kerja (s/s crossing)

REMARKS	

REMARKS	

REMARKS	

REMARKS	

REMARKS	

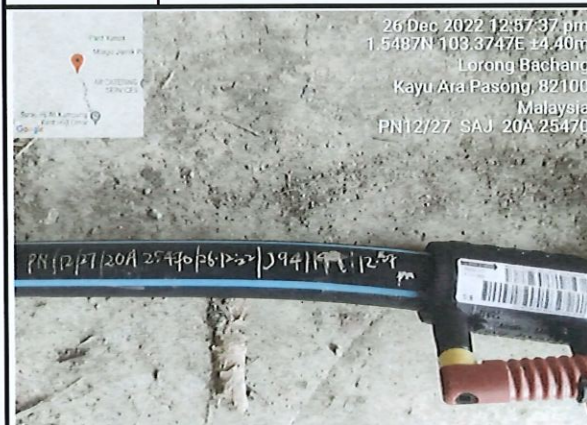
SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	26/12/2022 (ISNIN)
LOCATION	27 - JALAN PARIT HJ OMAR (LAPIS 2)



REMARKS	No. meter : SAJ 20A25470
	No. rumah : NO 66
	Semasa kerja (EF)
	Joint number: 92 (+93)



REMARKS	No. meter : SAJ 20A25470
	No. rumah : NO 66
	Semasa kerja (EF)
	Joint number: 93 (+94)



REMARKS	No. meter : SAJ 20A25470
	No. rumah : NO 66
	Semasa kerja (EF)
	Joint number: 94 (+95)



REMARKS	No. meter : SAJ 20A25470
	No. rumah : NO 66
	Selepas kerja



REMARKS	No. meter : SAJ 20A25470
	No. rumah : NO 66
	Selepas kerja



REMARKS	No. meter : SAJ 20A25470
	No. rumah : NO 66
	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	26/12/2022 (ISNIN)
LOCATION	27 - JALAN PARIT HJ OMAR (LAPIS 2)



2 Jan 2023 08:23:30
1.6487N 103.3749E ±1.40m
Kayu Ara Pasong, 82100
Malaysia
PN12/27 - SAJ 20A25470

REMARKS	No. meter : SAJ 20A25470
	No. rumah : NO 66
	Selepas kerja (s/s crossing)

REMARKS	

REMARKS	

REMARKS	

REMARKS	

REMARKS	

COMMUNICATION PIPE WORKS

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	26/12/2022 (ISNIN)
LOCATION	27 - JALAN PARIT HJ OMAR (LAPIS 2)



REMARKS	No. meter : SAJ 14A25558
	No. rumah :
	Semasa kerja (EF)
	Joint number: 95 (* 96)



REMARKS	No. meter : SAJ 14A25558
	No. rumah :
	Semasa kerja (EF)
	Joint number: 96 (* 97)



REMARKS	No. meter : SAJ 14A25558
	No. rumah :
	Semasa kerja (EF)
	Joint number: 97 (* 98)



REMARKS	No. meter : SAJ 14A25558
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 14A25558
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 14A25558
	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	26/12/2022 (ISNIN)
LOCATION	27 - JALAN PARIT HJ OMAR (LAPIS 2)



REMARKS	No. meter : SAJ 14A25558
	No. rumah :
	Selepas kerja (s/s crossing)

REMARKS	

REMARKS	

REMARKS	

REMARKS	

REMARKS	

COMMUNICATION PIPE WORKS

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	26/12/2022 (ISNIN)
LOCATION	27 - JALAN PARIT HJ OMAR (LAPIS 2)



REMARKS	No. meter : SAJ 17A93122
	No. rumah : NO 16
	Semasa kerja (EF)
	Joint number: 98 (+ 99)



REMARKS	No. meter : SAJ 17A93122
	No. rumah : NO 16
	Semasa kerja (EF)
	Joint number: 101 (+ 102)



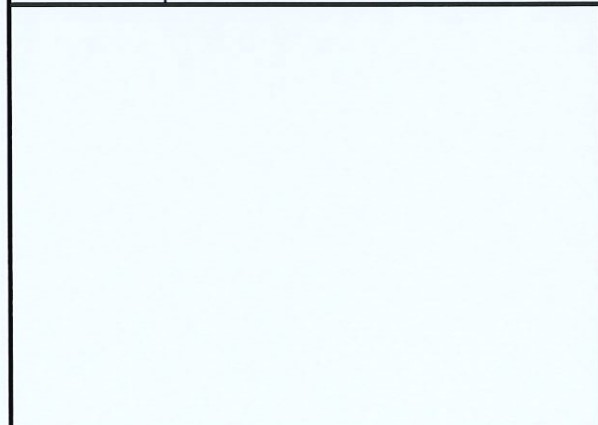
REMARKS	No. meter : SAJ 17A93122
	No. rumah : NO 16
	Selepas kerja



REMARKS	No. meter : SAJ 17A93122
	No. rumah : NO 16
	Selepas kerja



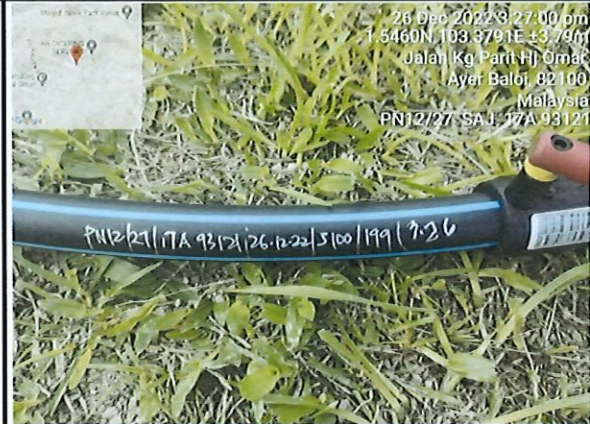
REMARKS	No. meter : SAJ 17A93122
	No. rumah : NO 16
	Selepas kerja



SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	26/12/2022 (ISNIN)
LOCATION	27 - JALAN PARIT HJ OMAR (LAPIS 2)



REMARKS	No. meter : SAJ 17A93121
	No. rumah : NO 17
	Semasa kerja (EF)
	Joint number: 99 (+ 100)



REMARKS	No. meter : SAJ 17A93121
	No. rumah : NO 17
	Semasa kerja (EF)
	Joint number: 100 (+ 101)



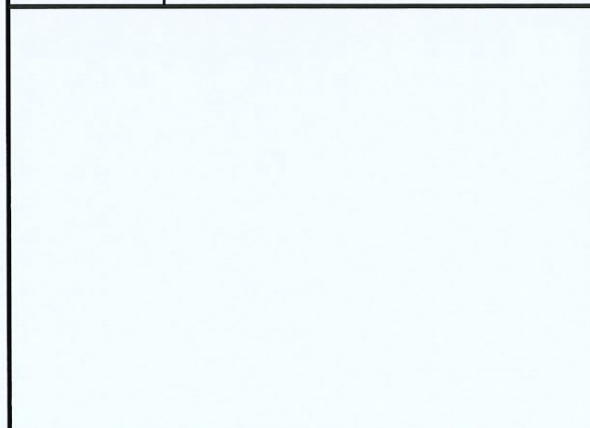
REMARKS	No. meter : SAJ 17A93121
	No. rumah : NO 17
	Selepas kerja



REMARKS	No. meter : SAJ 17A93121
	No. rumah : NO 17
	Selepas kerja



REMARKS	No. meter : SAJ 17A93121
	No. rumah : NO 17
	Selepas kerja

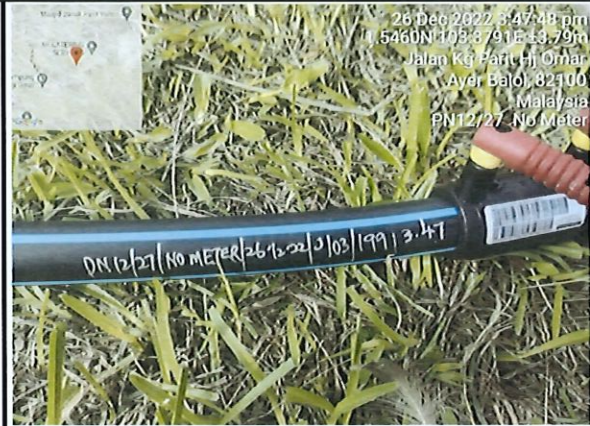


COMMUNICATION PIPE WORKS

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	26/12/2022 (ISNIN)
LOCATION	27 - JALAN PARIT HJ OMAR



REMARKS	No. meter : NO METER
	No. rumah : NO 18
	Semasa kerja (EF)
	Joint number: 102 (* 103)



REMARKS	No. meter : NO METER
	No. rumah : NO 18
	Semasa kerja (EF)
	Joint number: 103 (* 104)



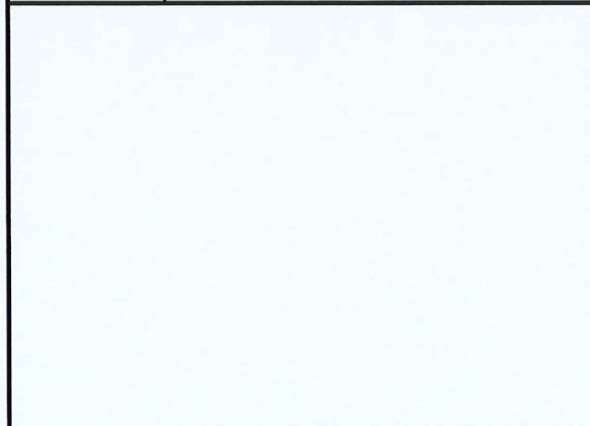
REMARKS	No. meter : NO METER
	No. rumah : NO 18
	Selepas kerja



REMARKS	No. meter : NO METER
	No. rumah : NO 18
	Selepas kerja



REMARKS	No. meter : NO METER
	No. rumah : NO 18
	Selepas kerja



REMARKS	No. meter : NO METER
	No. rumah : NO 18
	Selepas kerja

PIPE LOG

Location

: REHAB 2020 - PAKEJ 2 (SP 10)
PN12/27 - JLN PT HJ OMAR

Sheet No. : 7
Date : 27/12/2022

[illegible]



**Ranhill
SAJ**

RSAJ P-B107.Rev.4

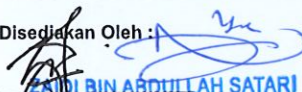
DATA TAPPING DAN PAIP PERHUBUNGAN

PROGRAM PENGGANTIAN PAIP LAMA TAHUN 2020

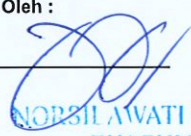
Nama Projek : PROGRAM PENGGANTIAN PAIP LAMA BAGI TAHUN 2020

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	100	SAJ 13K552576	NO 19A		14.00									
2	UPVC	100	SAJ 22A80310	NO 19		8.80									
3	UPVC	100	SAJ 19A17618	NO 19B		11.20									
4	UPVC	100	SAJ 17A71438	NO 19C		16.00									
5	UPVC	100	SAJ 13A02689	NO 20		11.50									
6	UPVC	100	SAJ 13A82173	NO 21		13.00									
7	UPVC	100	SAJ 17A71436	NO 22		13.70									
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	88.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Disediakan Oleh : 
FADZLI BIN ABDULLAH SATARI
 Kontraktor
 Cop :

Disemak Oleh : 
 Inspektor Kontrak (D)
MUHAMMAD 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.



BORANG PEMERIKSAAN VISUAL (ELECTRO-FUSION)

Form No: JK/PT – 05
Rev Date: 23/06/2022

Projek:	PROGRAM PENGANTIAN PAIP LAMA BACI TAHUN 2020 - PAKET 2
Nama :	SHARUDIN BIN HASSAN
No sijil:	199
Nama syarikat:	JALUR CAHAYA SDN BHD
Tarikh dan Masa:	27/12/2022

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:	PN12/27 - PARIT HJ OMAR	
	✓	X
Joint No. = 104	/	
Joint No. = 105	/	
Joint No. = 106	/	
Joint No. = 107	/	
Joint No. = 108	/	
Joint No. = 109	/	
Joint No. = 110	/	
Joint No. = 111	/	
Joint No. = 112	/	
Joint No. = 113	/	
Joint No. = 114	/	
Joint No. = 115	/	
Joint No. = 116	/	
Joint No. = 117	/	
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:	PN12/27 - PARIT HJ OMAR	
	✓	X
Joint No. = 104	/	
Joint No. = 105	/	
Joint No. = 106	/	
Joint No. = 107	/	
Joint No. = 108	/	
Joint No. = 109	/	
Joint No. = 110	/	
Joint No. = 111	/	
Joint No. = 112	/	
Joint No. = 113	/	
Joint No. = 114	/	
Joint No. = 115	/	
Joint No. = 116	/	
Joint No. = 117	/	
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: PN12/27 - PARIT HJ OMAR

	✓	X		✓	X
Joint No. = 104	/		Joint No. = 114	/	
Joint No. = 105	/		Joint No. = 115	/	
Joint No. = 106	/		Joint No. = 116	/	
Joint No. = 107	/		Joint No. = 117	/	
Joint No. = 108	/		Joint No. =		
Joint No. = 109	/		Joint No. =		
Joint No. = 110	/		Joint No. =		
Joint No. = 111	/		Joint No. =		
Joint No. = 112	/		Joint No. =		
Joint No. = 113	/		Joint No. =		

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

Nama Jalan: PN12/27 - PARIT HJ OMAR

	✓	X		✓	X
Joint No. = 104	/		Joint No. = 114	/	
Joint No. = 105	/		Joint No. = 115	/	
Joint No. = 106	/		Joint No. = 116	/	
Joint No. = 107	/		Joint No. = 117	/	
Joint No. = 108	/		Joint No. =		
Joint No. = 109	/		Joint No. =		
Joint No. = 110	/		Joint No. =		
Joint No. = 111	/		Joint No. =		
Joint No. = 112	/		Joint No. =		
Joint No. = 113	/		Joint No. =		

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

Nama Jalan: PN12/27 - PARIT HJ OMAR

	✓	X		✓	X
Joint No. = 104	/		Joint No. = 114	/	
Joint No. = 105	/		Joint No. = 115	/	
Joint No. = 106	/		Joint No. = 116	/	
Joint No. = 107	/		Joint No. = 117	/	
Joint No. = 108	/		Joint No. =		
Joint No. = 109	/		Joint No. =		
Joint No. = 110	/		Joint No. =		
Joint No. = 111	/		Joint No. =		
Joint No. = 112	/		Joint No. =		
Joint No. = 113	/		Joint No. =		

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

Nama Jalan: PN12/27 - PARIT HJ OMAR

	✓	X		✓	X
Joint No. = 104	/		Joint No. = 114	/	
Joint No. = 105	/		Joint No. = 115	/	
Joint No. = 106	/		Joint No. = 116	/	
Joint No. = 107	/		Joint No. = 117	/	
Joint No. = 108	/		Joint No. =		
Joint No. = 109	/		Joint No. =		
Joint No. = 110	/		Joint No. =		
Joint No. = 111	/		Joint No. =		
Joint No. = 112	/		Joint No. =		
Joint No. = 113	/		Joint No. =		

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

Nama Jalan: PN 12/27 - PART 13 OMAR

	✓	X		✓	X
Joint No. = 104	/		Joint No. = 114	/	
Joint No. = 105	/		Joint No. = 115	/	
Joint No. = 106	/		Joint No. = 116	/	
Joint No. = 107	/		Joint No. = 117	/	
Joint No. = 108	/		Joint No. =		
Joint No. = 109	/		Joint No. =		
Joint No. = 110	/		Joint No. =		
Joint No. = 111	/		Joint No. =		
Joint No. = 112	/		Joint No. =		
Joint No. = 113	/		Joint No. =		

ADAKAH PENYAMBUNGAN ELECTRO-FUSION INI DITERIMA?

(Jika TIDAK, sila nyatakan ulasan di ruangan yang disediakan)

	✓	X		✓	X
Joint No. = 104	/		Joint No. = 114	/	
Joint No. = 105	/		Joint No. = 115	/	
Joint No. = 106	/		Joint No. = 116	/	
Joint No. = 107	/		Joint No. = 117	/	
Joint No. = 108	/		Joint No. =		
Joint No. = 109	/		Joint No. =		
Joint No. = 110	/		Joint No. =		
Joint No. = 111	/		Joint No. =		
Joint No. = 112	/		Joint No. =		
Joint No. = 113	/		Joint No. =		

Ulasan:

.....

.....

.....

Dikendalikan oleh:	Diperiksa dan disahkan oleh:
Tandatangan:	Tandatangan:
Nama Kontraktor:	Nama Kontrak Inspektor:
No. Anggota:	No. Anggota:
Tarikh:	Tarikh:

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

Signature: Zaidi Bin Abdullah Satari
Stamp: JALUR CAHAYA SDN BHD
550034-X
Zaidi Bin Abdullah Satari
Engineer

ELECTRO-FUSION MACHINE REPORT (COMM PIPE)

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 - API API
DATE	27/12/2022 (SELASA)
LOCATION	27 - JALAN PT HJ OMAR

105	27.12.22	08:34	27.8°C	FR	CPL	25 mm	28.0 V	0028 s/0028 s	3.736 Ohm	5.6 kJ	✓ OK
106	27.12.22	08:40	28.1°C	FR	CPL	25 mm	28.0 V	0028 s/0028 s	3.743 Ohm	5.6 kJ	✓ OK
107	27.12.22	08:50	28.4°C	FR	CPL	25 mm	28.0 V	0028 s/0028 s	3.709 Ohm	5.7 kJ	✓ OK
108	27.12.22	08:58	28.4°C	FR	CPL	25 mm	28.0 V	0028 s/0028 s	3.738 Ohm	5.6 kJ	✓ OK
109	27.12.22	10:27	31.5°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.727 Ohm	5.4 kJ	✓ OK
110	27.12.22	10:34	34.7°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.749 Ohm	5.4 kJ	✓ OK
111	27.12.22	10:43	38.8°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.740 Ohm	5.4 kJ	✓ OK
112	27.12.22	10:55	41.8°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.744 Ohm	5.4 kJ	✓ OK
113	27.12.22	11:03	39.9°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.755 Ohm	5.4 kJ	✓ OK
114	27.12.22	11:10	43.2°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.754 Ohm	5.4 kJ	✓ OK
115	27.12.22	11:20	44.0°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.724 Ohm	5.4 kJ	✓ OK
116	27.12.22	11:28	43.3°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.739 Ohm	5.4 kJ	✓ OK
117	27.12.22	11:35	43.4°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.729 Ohm	5.4 kJ	✓ OK
118	27.12.22	11:43	43.8°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.695 Ohm	5.5 kJ	✓ OK

Disediakan Oleh:


ZAIIDI BIN ABDULLAH SATARI
Engineer

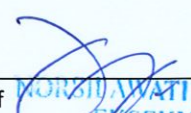
Kontraktor



Disemak Oleh:


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

Disahkan Oleh:


Norshahwati Binti Ali
EKSEKUTIF
JABATAN PROJEK
RANHILL SAJ SDN. BHD.

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	27/12/2022 (SELASA)
LOCATION	27 - JALAN PARIT HJ OMAR



REMARKS	No. meter : SAJ 13K552576
	No. rumah : NO 19A
	Semasa kerja (EF)
	Joint number: 104 *105



REMARKS	No. meter : SAJ 13K552576
	No. rumah : NO 19A
	Semasa kerja (EF)
	Joint number: 105 *106



REMARKS	No. meter : SAJ 13K552576
	No. rumah : NO 19A
	Selepas kerja



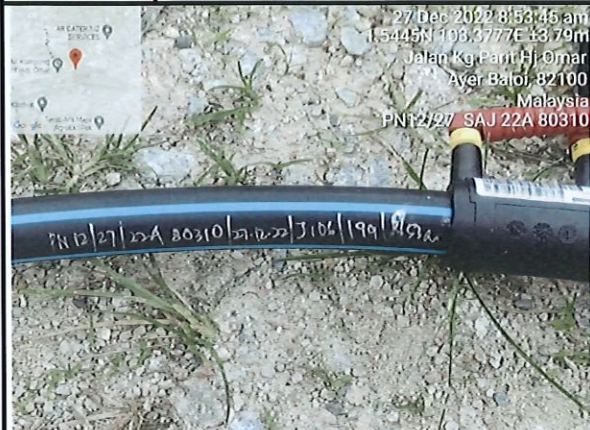
REMARKS	No. meter : SAJ 13K552576
	No. rumah : NO 19A
	Selepas kerja



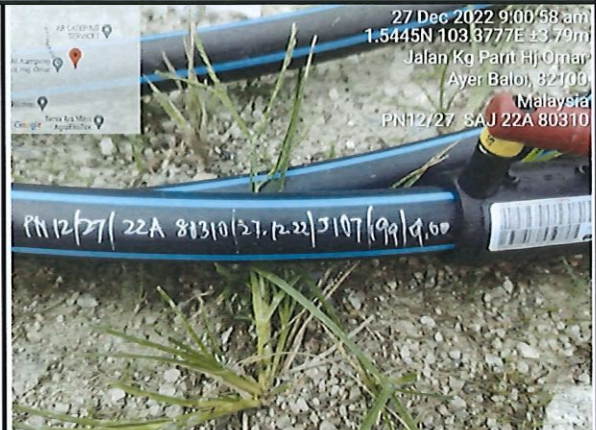
REMARKS	No. meter : SAJ 13K552576
	No. rumah : NO 19A
	Selepas kerja

REMARKS	

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	27/12/2022 (SELASA)
LOCATION	27 - JALAN PARIT HJ OMAR



REMARKS	No. meter : SAJ 22A80310
	No. rumah : NO 19
	Semasa kerja (EF)
	Joint number: 106 *107



REMARKS	No. meter : SAJ 22A80310
	No. rumah : NO 19
	Semasa kerja (EF)
	Joint number: 107 *108



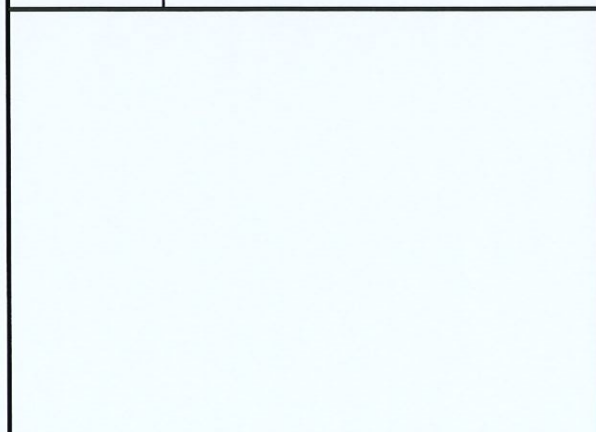
REMARKS	No. meter : SAJ 22A80310
	No. rumah : NO 19
	Selepas kerja



REMARKS	No. meter : SAJ 22A80310
	No. rumah : NO 19
	Selepas kerja



REMARKS	No. meter : SAJ 22A80310
	No. rumah : NO 19
	Selepas kerja



REMARKS	

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	27/12/2022 (SELASA)
LOCATION	27 - JALAN PARIT HJ OMAR



REMARKS	No. meter : SAJ 19A17618
	No. rumah : NO 19B
	Semasa kerja (EF)
	Joint number: 108 *109



REMARKS	No. meter : SAJ 19A17618
	No. rumah : NO 19B
	Semasa kerja (EF)
	Joint number: 109 *110



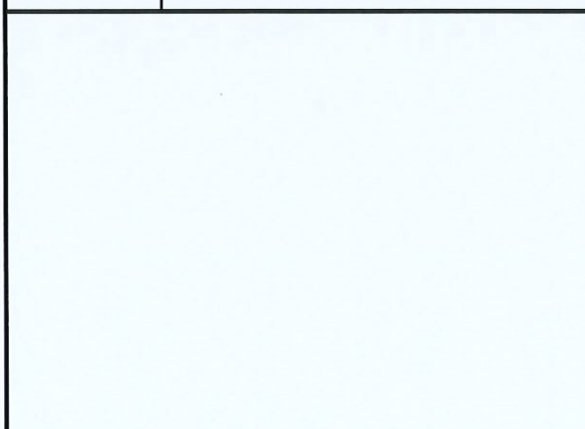
REMARKS	No. meter : SAJ 19A17618
	No. rumah : NO 19B
	Selepas kerja



REMARKS	No. meter : SAJ 19A17618
	No. rumah : NO 19B
	Selepas kerja

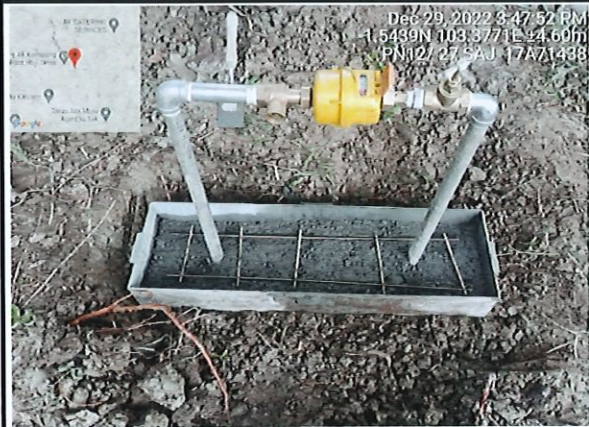


REMARKS	No. meter : SAJ 19A17618
	No. rumah : NO 19B
	Selepas kerja



REMARKS	

COMMUNICATION PIPE WORKS

SUB PACKAGE		PONTIAN (PTN10)	
DMA		PN12 API-API	
DATE		27/12/2022 (SELASA)	
LOCATION		27 - JALAN PARIT HJ OMAR	
			
REMARKS	No. meter : SAJ 17A71438		
	No. rumah : NO 19C		
	Semasa kerja (EF)		
	Joint number: 110(*111)		
			
REMARKS	No. meter : SAJ 17A71438		
	No. rumah : NO 19C		
	Semasa kerja (EF)		
	Joint number: 111(*112)		
			
REMARKS	No. meter : SAJ 17A71438		
	No. rumah : NO 19C		
	Selepas kerja		
REMARKS	No. meter : SAJ 17A71438		
	No. rumah : NO 19C		
	Selepas kerja		

COMMUNICATION PIPE WORKS

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	27/12/2022 (SELASA)
LOCATION	27 - JALAN PARIT HJ OMAR



REMARKS	No. meter : SAJ 19A17618
	No. rumah : NO 19B
	Semasa kerja (EF)
	Joint number: 108 (*109)



REMARKS	No. meter : SAJ 19A17618
	No. rumah : NO 19B
	Semasa kerja (EF)
	Joint number: 109 (*110)



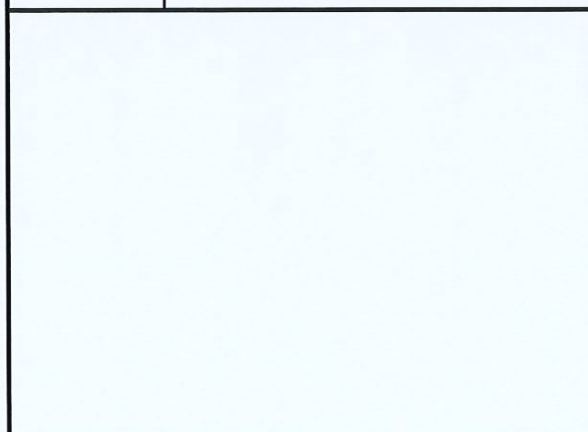
REMARKS	No. meter : SAJ 19A17618
	No. rumah : NO 19B
	Selepas kerja



REMARKS	No. meter : SAJ 19A17618
	No. rumah : NO 19B
	Selepas kerja



REMARKS	No. meter : SAJ 19A17618
	No. rumah : NO 19B
	Selepas kerja



REMARKS	

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	27/12/2022 (SELASA)
LOCATION	27 - JALAN PARIT HJ OMAR



REMARKS	No. meter : SAJ 17A71438
	No. rumah : NO 19C
	Semasa kerja (EF)
	Joint number: 110 (*111)



REMARKS	No. meter : SAJ 17A71438
	No. rumah : NO 19C
	Semasa kerja (EF)
	Joint number: 111 (*112)



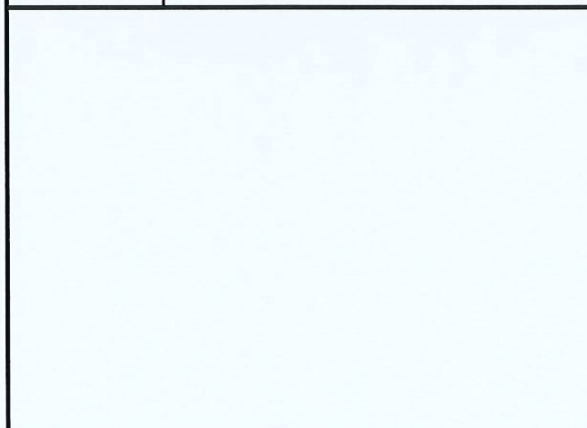
REMARKS	No. meter : SAJ 17A71438
	No. rumah : NO 19C
	Selepas kerja



REMARKS	No. meter : SAJ 17A71438
	No. rumah : NO 19C
	Selepas kerja



REMARKS	No. meter : SAJ 17A71438
	No. rumah : NO 19C
	Selepas kerja

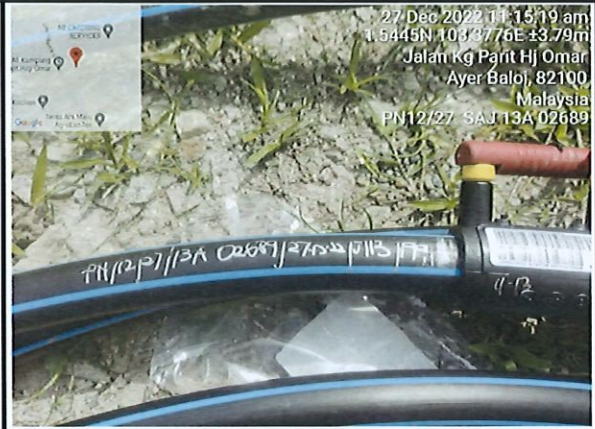


REMARKS	

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	27/12/2022 (SELASA)
LOCATION	27 - JALAN PARIT HJ OMAR



REMARKS	No. meter : SAJ 13A02689
	No. rumah : NO 20
	Semasa kerja (EF)
	Joint number: 112 *113



REMARKS	No. meter : SAJ 13A02689
	No. rumah : NO 20
	Semasa kerja (EF)
	Joint number: 113 *114



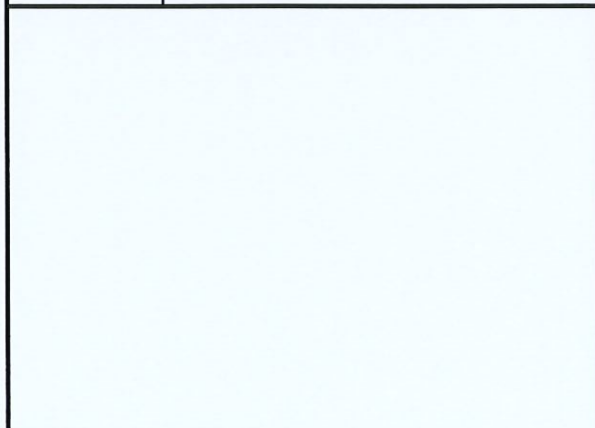
REMARKS	No. meter : SAJ 13A02689
	No. rumah : NO 20
	Selepas kerja



REMARKS	No. meter : SAJ 13A02689
	No. rumah : NO 20
	Selepas kerja

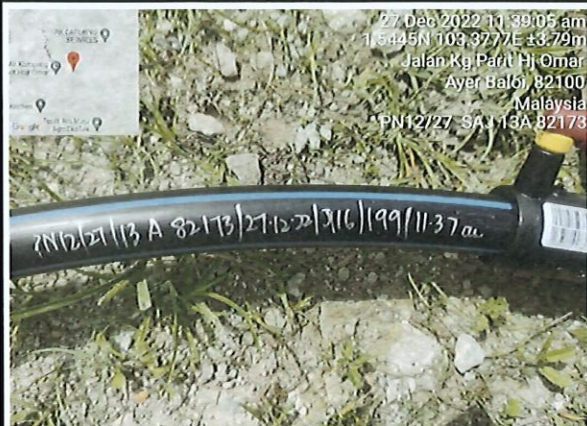


REMARKS	No. meter : SAJ 13A02689
	No. rumah : NO 20
	Selepas kerja



REMARKS	

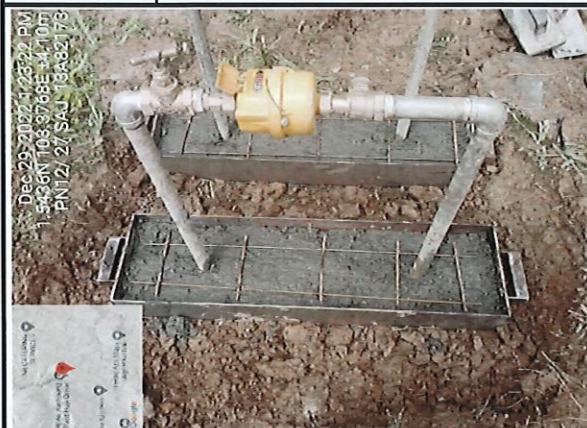
SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	27/12/2022 (SELASA)
LOCATION	27 - JALAN PARIT HJ OMAR



REMARKS	No. meter : SAJ 13A82173
	No. rumah : NO 21
	Semasa kerja (EF)
	Joint number: 116(*117)



REMARKS	No. meter : SAJ 13A82173
	No. rumah : NO 21
	Semasa kerja (EF)
	Joint number: 117(*118)



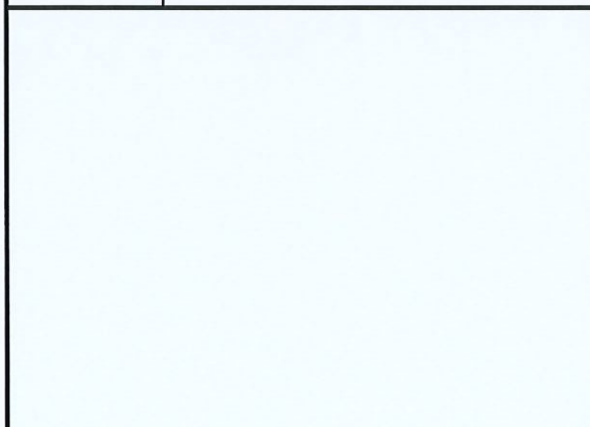
REMARKS	No. meter : SAJ 13A82173
	No. rumah : NO 21
	Selepas kerja



REMARKS	No. meter : SAJ 13A82173
	No. rumah : NO 21
	Selepas kerja

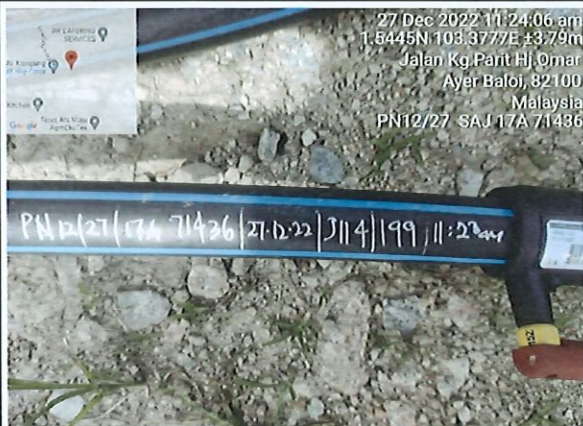


REMARKS	No. meter : SAJ 13A82173
	No. rumah : NO 21
	Selepas kerja



REMARKS	

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	27/12/2022 (SELASA)
LOCATION	27 - JALAN PARIT HJ OMAR



REMARKS	No. meter : SAJ 17A71436
	No. rumah : NO 22
	Semasa kerja (EF)
	Joint number: 114 *115



REMARKS	No. meter : SAJ 17A71436
	No. rumah : NO 22
	Semasa kerja (EF)
	Joint number: 115 *116



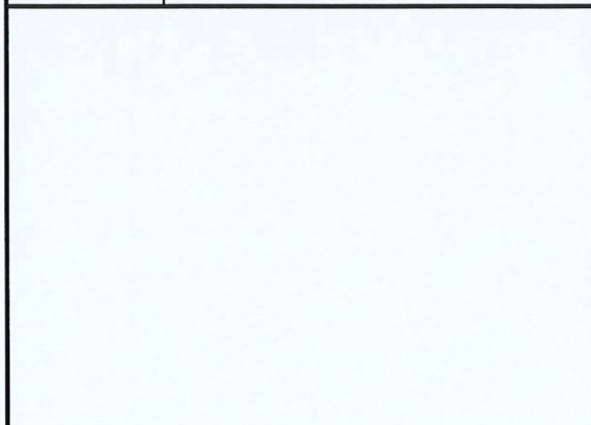
REMARKS	No. meter : SAJ 17A71436
	No. rumah : NO 22
	Selepas kerja



REMARKS	No. meter : SAJ 17A71436
	No. rumah : NO 22
	Selepas kerja



REMARKS	No. meter : SAJ 17A71436
	No. rumah : NO 22
	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	100	NO METER			16.10									
2	UPVC	100	SAJ 21A30086			15.00									
3	UPVC	100	SAJ 18A17831			14.00									
4	UPVC	100	SAJ 17A71432			14.00									
5	UPVC	100	SAJ 17A71501			17.00									
6	UPVC	100	SAJ 13K552751			17.00									
7	UPVC	100	SAJ 17A101802			17.00									
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	110.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Disediakan Oleh :

Kontraktor : **ANDI BIN ABDULLAH SATARI**

Cop :

Disemak Oleh :

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

Disahkan Oleh : _____

Eksekutif
 Cop :



Ranhill
SAJ

BORANG PEMERIKSAAN VISUAL (ELECTRO-FUSION)

Form No: JK/PT-05
Rev Date: 23/06/2022

Projek:	PROGRAM PENGGANTIAN PAIP LAMA BAGI TAHUN 2020 - PAKES 2
Nama :	SHARUDIN BIN HABAN
No sijil:	199
Nama syarikat:	JALUR CAHAYA SDN BHD
Tarikh dan Masa:	28/12/2022

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 scrapper	/	
- 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:	PN12/27- PART H3 OMAR	
	✓	X
Joint No. = 123	/	
Joint No. = 124	/	
Joint No. = 125	/	
Joint No. = 126	/	
Joint No. = 127	/	
Joint No. = 128	/	
Joint No. = 129	/	
Joint No. = 130	/	
Joint No. = 131	/	
Joint No. = 132	/	
Joint No. = 133	/	
Joint No. = 134	/	
Joint No. = 135	/	
Joint No. = 136	/	
Joint No. =		
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:	PN12/27- PART H3 OMAR	
	✓	X
Joint No. = 123	/	
Joint No. = 124	/	
Joint No. = 125	/	
Joint No. = 126	/	
Joint No. = 127	/	
Joint No. = 128	/	
Joint No. = 129	/	
Joint No. = 130	/	
Joint No. = 131	/	
Joint No. = 132	/	
Joint No. = 133	/	
Joint No. = 134	/	
Joint No. = 135	/	
Joint No. = 136	/	
Joint No. =		
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: PN12/27 - PARTI HJ OMAR					
	✓	X		✓	X
Joint No. = 123	/		Joint No. = 133	/	
Joint No. = 124	/		Joint No. = 134	/	
Joint No. = 125	/		Joint No. = 135	/	
Joint No. = 126	/		Joint No. = 136	/	
Joint No. = 127	/		Joint No. =		
Joint No. = 128	/		Joint No. =		
Joint No. = 129	/		Joint No. =		
Joint No. = 130	/		Joint No. =		
Joint No. = 131	/		Joint No. =		
Joint No. = 132	/		Joint No. =		

4) Kawasan yang telah dikikis (scrapped) boleh dilihat.					
Nama Jalan: PN12/29 - PARTI HJ OMAR					
	✓	X		✓	X
Joint No. = 123	/		Joint No. = 133	/	
Joint No. = 124	/		Joint No. = 134	/	
Joint No. = 125	/		Joint No. = 135	/	
Joint No. = 126	/		Joint No. = 136	/	
Joint No. = 127	/		Joint No. =		
Joint No. = 128	/		Joint No. =		
Joint No. = 129	/		Joint No. =		
Joint No. = 130	/		Joint No. =		
Joint No. = 131	/		Joint No. =		
Joint No. = 132	/		Joint No. =		

5) Tanda pada paip (penetration depth) tepat dan boleh dilihat.					
Nama Jalan: PN12/29 - PARTI HJ OMAR					
	✓	X		✓	X
Joint No. = 123	/		Joint No. = 133	/	
Joint No. = 124	/		Joint No. = 134	/	
Joint No. = 125	/		Joint No. = 135	/	
Joint No. = 126	/		Joint No. = 136	/	
Joint No. = 127	/		Joint No. =		
Joint No. = 128	/		Joint No. =		
Joint No. = 129	/		Joint No. =		
Joint No. = 130	/		Joint No. =		
Joint No. = 131	/		Joint No. =		
Joint No. = 132	/		Joint No. =		

6) Tiada kesan percikan paip yang telah cair atau apa-apa kerosakan pada permukaan luar paip yang telah disambung.					
Nama Jalan: PN12/27 - PARTI HJ OMAR					
	✓	X		✓	X
Joint No. = 123	/		Joint No. = 137	/	
Joint No. = 124	/		Joint No. = 134	/	
Joint No. = 125	/		Joint No. = 135	/	
Joint No. = 126	/		Joint No. = 136	/	
Joint No. = 127	/		Joint No. = 137 9	/	
Joint No. = 128	/		Joint No. =		
Joint No. = 129	/		Joint No. =		
Joint No. = 130	/		Joint No. =		
Joint No. = 131	/		Joint No. =		
Joint No. = 132	/		Joint No. =		

7) Paip dan fittings yang disambung dibiarkan untuk sejuk mengikut tempoh masa yang ditetapkan.					
Nama Jalan: PN12/24 - PART 11 OMAR					
	✓	X		✓	X
Joint No. = 123	/		Joint No. = 133	/	
Joint No. = 124	/		Joint No. = 134	/	
Joint No. = 125	/		Joint No. = 135	/	
Joint No. = 126	/		Joint No. = 136	/	
Joint No. = 127	/		Joint No. = 137 9	/	
Joint No. = 128	/		Joint No. =		
Joint No. = 129	/		Joint No. =		
Joint No. = 130	/		Joint No. =		
Joint No. = 131	/		Joint No. =		
Joint No. = 132	/		Joint No. =		

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

	✓	X		✓	X
Joint No. = 123	/		Joint No. = 133	/	
Joint No. = 124	/		Joint No. = 134	/	
Joint No. = 125	/		Joint No. = 135	/	
Joint No. = 126	/		Joint No. = 136	/	
Joint No. = 127	/		Joint No. = 137 9	/	
Joint No. = 128	/		Joint No. =		
Joint No. = 129	/		Joint No. =		
Joint No. = 130	/		Joint No. =		
Joint No. = 131	/		Joint No. =		
Joint No. = 132	/		Joint No. =		

Ulasan:

J122 digunakan untuk penyesuaian mesin Electro Fusion (EF)
pada kerja-kerja pembakaran joint.

Dikendalikan oleh:	Diperiksa dan disahkan oleh:
Tandatangan:	Tandatangan:
Nama Kontraktor:	Nama Kontrak Inspektor:
SHARU BIN B. HASSAN	MUHAMAD AZRI BIN ABDUL AZIZ INSPEKTOR KONTRAK PONTIAN
No. Anggota:	No. Anggota:
199	JABATAN PROJEK RANHILL SAJ SDN. BHD.
Tarikh: 28/12/2022	Tarikh: 28/12/2022

**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)

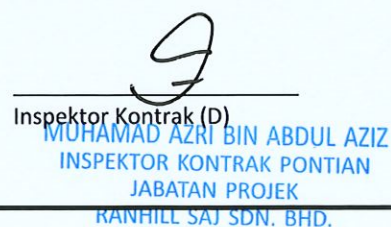
SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 - API API
DATE	28/12/2022 (SELASA)
LOCATION	27 - JALAN PT HJ OMAR

123	28.12.22	12:07	31.0°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.743 Ohm	5.4 kJ	✓ OK
124	28.12.22	12:13	30.3°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.693 Ohm	5.5 kJ	✓ OK
125	28.12.22	12:37	30.0°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.746 Ohm	5.4 kJ	✓ OK
126	28.12.22	12:44	30.0°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.733 Ohm	5.4 kJ	✓ OK
127	28.12.22	12:56	30.0°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.722 Ohm	5.4 kJ	✓ OK
128	28.12.22	13:03	30.1°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.751 Ohm	5.4 kJ	✓ OK
129	28.12.22	13:16	30.3°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.748 Ohm	5.4 kJ	✓ OK
130	28.12.22	14:34	31.7°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.737 Ohm	5.4 kJ	✓ OK
131	28.12.22	14:56	31.2°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.736 Ohm	5.4 kJ	✓ OK
132	28.12.22	15:03	31.1°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.748 Ohm	5.4 kJ	✓ OK
133	28.12.22	15:11	31.1°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.732 Ohm	5.4 kJ	✓ OK
134	28.12.22	15:18	31.3°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.745 Ohm	5.4 kJ	✓ OK
135	28.12.22	15:27	31.6°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.731 Ohm	5.4 kJ	✓ OK
136	28.12.22	15:34	31.8°C	FR	CPL	25 mm	28.0 V	0027 s/0027 s	3.741 Ohm	5.4 kJ	✓ OK

Disediakan Oleh:


Kontraktor
Zaidi Bin Abdullah Satari
Engineer

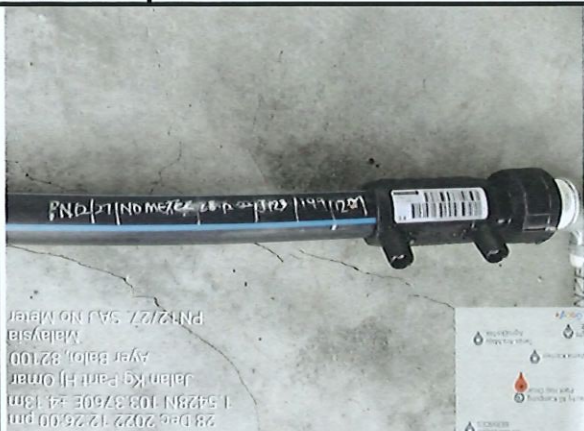
Disemak Oleh:


Inspektor Kontrak (D)
Muhamad Azri Bin Abdul Aziz
Inspektor Kontrak Pontian
Jabatan Projek
Ranhill SAJ SDN. BHD.

Disahkan Oleh:

Eksekutif

COMMUNICATION PIPE WORKS

SUB PACKAGE		PONTIAN (PTN10)	
DMA		PN12 API-API	
DATE		28/12/2022 (Rabu)	
LOCATION		27 - JALAN PARIT HJ OMAR	
			
REMARKS	No. meter : NO METER		REMARKS
	No. rumah : DEWAN MUAFAKAT		
	Semasa kerja (EF)		
	Joint number: 123		
			
REMARKS	No. meter : NO METER		REMARKS
	No. rumah : DEWAN MUAFAKAT		
	Selepas kerja		
			
REMARKS	No. meter : NO METER		REMARKS
	No. rumah : DEWAN MUAFAKAT		
	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	28/12/2022 (Rabu)	
LOCATION	27 - JALAN PARIT HJ OMAR	
	REMARKS	No. meter : SAJ 21A30086 No. rumah : NO 22B Semasa kerja (EF) Joint number: 125 ✓
	REMARKS	No. meter : SAJ 21A30086 No. rumah : NO 22B Semasa kerja (EF) Joint number: 126 ✓
	REMARKS	No. meter : SAJ 21A30086 No. rumah : NO 22B Selepas kerja
	REMARKS	No. meter : SAJ 21A30086 No. rumah : NO 22B Selepas kerja
	REMARKS	No. meter : SAJ 21A30086 No. rumah : NO 22B 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		28/12/2022 (Rabu)	
LOCATION		27 - JALAN PARIT HJ OMAR	
			
REMARKS	No. meter : SAJ 18A17831		
	No. rumah : 22B		
	Semasa kerja (EF)		
	Joint number: 127		
			
REMARKS	No. meter : SAJ 18A17831		
	No. rumah : 22B		
	Selepas kerja		
			
REMARKS	No. meter : SAJ 18A17831		
	No. rumah : 22B		
	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	28/12/2022 (Rabu)
LOCATION	27 - JALAN PARIT HJ OMAR



REMARKS	No. meter : SAJ 17A71432
	No. rumah : 22B
	Semasa kerja (EF)
	Joint number: 129



REMARKS	No. meter : SAJ 17A71432
	No. rumah : 22B
	Semasa kerja (EF)
	Joint number: 130



REMARKS	No. meter : SAJ 17A71432
	No. rumah : 22B
	Selepas kerja



REMARKS	No. meter : SAJ 17A71432
	No. rumah : 22B
	Selepas kerja



REMARKS	No. meter : SAJ 17A71432
	No. rumah : 22B
	Selepas kerja

REMARKS	

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	28/12/2022 (Rabu)
LOCATION	27 - JALAN PARIT HJ OMAR



REMARKS	No. meter : SAJ 17A71501
	No. rumah :
	Semasa kerja (EF)
	Joint number: 131



REMARKS	No. meter : SAJ 17A71501
	No. rumah :
	Semasa kerja (EF)
	Joint number: 132



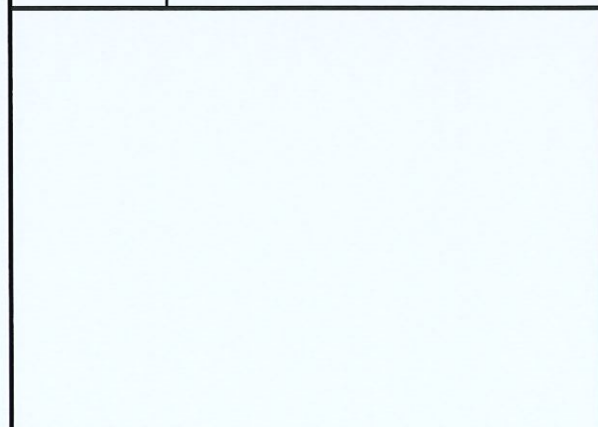
REMARKS	No. meter : SAJ 17A71501
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 17A71501
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 17A71501
	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	28/12/2022 (Rabu)		
LOCATION	27 - JALAN PARIT HJ OMAR		
 28 Dec 2022 15:13:20 1.5428N 103.3761E ±3.79m Jalan Kg Parit Hj Omar Ayer Baloi, 82100 Malaysia PN12/27 SAJ 13K 552751  PN12/27/13K 552751/28.12/2022/133/15.11			
REMARKS	No. meter : SAJ 13K552751		
	No. rumah :		
	Semasa kerja (EF)		
	Joint number: 133		
 28 Dec 2022 15:25:04 1.5429N 103.3760E ±3.79m Jalan Kg Parit Hj Omar Ayer Baloi, 82100 Malaysia PN12/27 SAJ 13K 552751  PN12/27/13K 552751/28.12/2022/134/15.11			
REMARKS	No. meter : SAJ 13K552751		
	No. rumah :		
	Semasa kerja (EF)		
	Joint number: 134		
 Dec 29, 2022 12:26:05 PM 1.5420N 103.3747E ±3.22m Ayer Baloi, 82100 Malaysia PN12/27 SAJ 13K552751  PN12/27/13K 552751/29.12/2022/135/15.11			
REMARKS	No. meter : SAJ 13K552751		
	No. rumah :		
	Selepas kerja		
 Dec 29, 2022 12:37:56 PM 1.5420N 103.3747E ±3.22m Ayer Baloi, 82100 Malaysia PN12/27 SAJ 13K552751  PN12/27/13K 552751/29.12/2022/136/15.11			
REMARKS	No. meter : SAJ 13K552751		
	No. rumah :		
	Selepas kerja		
 Jan 14, 2023 09:19:45 1.5420N 103.3747E Jalan Kg Parit Hj Omar Ayer Baloi, 82100 Malaysia PN 12/27 SAJ13K552751  41944070 m3 SAJ13K552751			
REMARKS	No. meter : SAJ 13K552751		
	No. rumah :		
	Selepas kerja		
REMARKS			

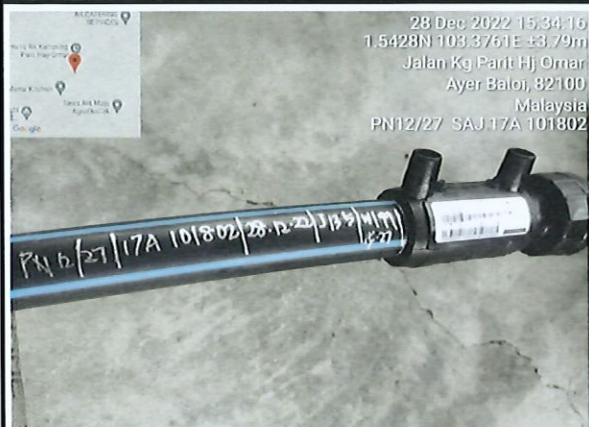


PROGRAM PENGGANTIAN PAIP LAMA BAGI TAHUN 2020 DI NEGERI JOHOR
PAKEJ 2 : DAERAH JOHOR BAHRU, KULAI, PONTIAN, KOTA TINGGI DAN
MERSING



COMMUNICATION PIPE WORKS

SUB PACKAGE	PONTIAN (PTN10)
DMA	PN12 API-API
DATE	28/12/2022 (Rabu)
LOCATION	27 - JALAN PARIT HJ OMAR



REMARKS	No. meter : SAJ 17A101802
	No. rumah :
	Semasa kerja (EF)
	Joint number: 135



REMARKS	No. meter : SAJ 17A101802
	No. rumah :
	Semasa kerja (EF)
	Joint number: 136



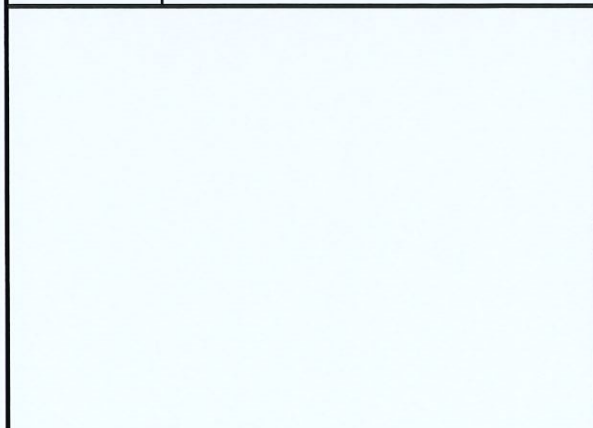
REMARKS	No. meter : SAJ 17A101802
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 17A101802
	No. rumah :
	Selepas kerja



REMARKS	No. meter : SAJ 17A101802
	No. rumah :
	Selepas kerja



REMARKS	