

AS BUILD DRAWING

NAMA PEKERJAAN

Pengembangan Jaringan Pipa Distribusi Tertier
Pontianak Timur

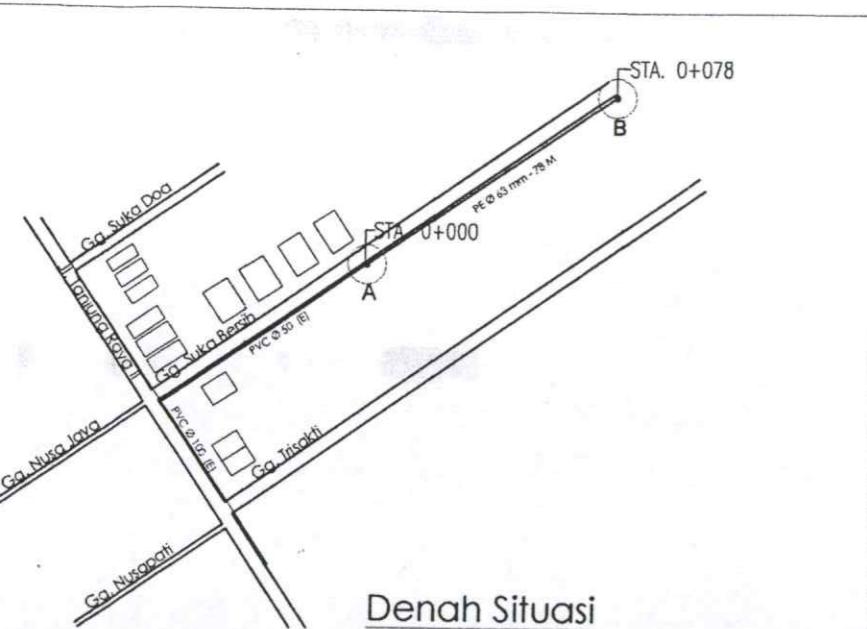
KONTRAKTOR PELAKSANA

CV. MUTIARA KHATULISTIWA

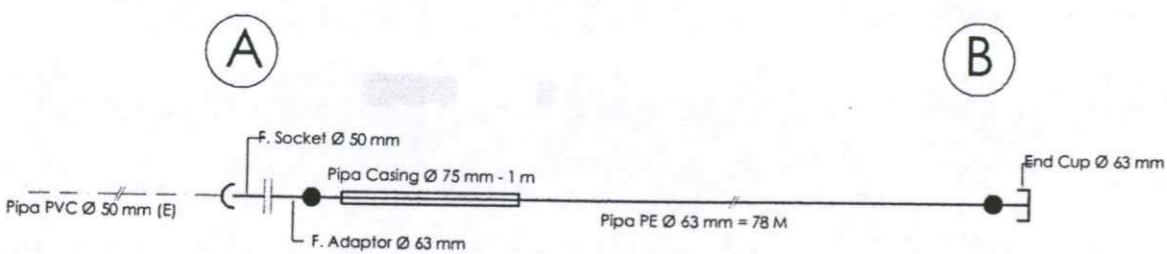
TAHUN 2018

DAFTAR LOKASI :

1. Jl. Tanjung Raya 2, Gg. Suka Bersih - Pontianak Timur
2. Jl. Tanjung Raya 2, Gg. Jabar - Pontianak Timur
3. Jl. Tanjung Raya 2, Gg. H. M. Said - Pontianak Timur
4. Jl. Tanjung Raya 1, Gg. Jiran - Pontianak Timur
5. Jl. Tanjung Harapan Gg. Sakinah - Pontianak Timur
6. Jl. Tanjung Harapan Gg. Said - Pontianak Timur
7. Jl. Tanjung Harapan Gg. Nilam- Pontianak Timur
8. Jl. Tanjung Raya 2, Gg. Suka Bersama- Pontianak Timur
9. Jl. Tanjung Raya 1, Gg. Kampar- Pontianak Timur
10. Jl. Tanjung Harapan Gg. M. Tarif- Pontianak Timur
11. Jl. Tanjung Harapan Gg. Hijrah- Pontianak Timur
12. Jl. Tanjung Harapan Gg. Dusun Maya- Pontianak Timur
13. Jl. Tanjung Harapan Gg. 85- Pontianak Timur
14. Jl. Tritura Gg. Berkat Sabar - Pontianak Timur
15. Jl. Tritura Gg. Flower - Multi Jaya - Pontianak Timur
16. Jl. Tanjung Harapan Gg. H. Ali - Pontianak Timur
17. Jl. Tanjung Raya 2 Gg. Busri - Pontianak Timur
18. Jl. Tanjung Harapan Gg. M. Yunus - Pontianak Timur
19. Jl. Tanjung Harapan Gg. H. Haris - Pontianak Timur
20. Jl. Tanjung Harapan Gg. H. Sanusi - Pontianak Timur
21. Jl. Tanjung Harapan Gg. Hasan Usman - Pontianak Timur
22. Jl. Tanjung Harapan Gg. Masri - Pontianak Timur
23. Jl. Tanjung Harapan Gg. Salmah - Pontianak Timur
24. Jl. Tanjung Harapan Gg. 98 - Pontianak Timur
25. Jl. Tanjung Harapan Gg. Al - Falah - Pontianak Timur
26. Jl. Tanjung Harapan Gg. Al - Hamidin Baru - Pontianak Timur
27. Jl. Tanjung Harapan Gg. Baitussalam - Pontianak Timur
28. Jl. Tanjung Harapan Gg. Rawasari 2 - Pontianak Timur
29. Jl. Askot Dalam Gg. Askot 26
30. Jl. Tanjung Harapan Gg. H. Ismail
31. Jl. Sultan Hamid II Gg. Jihad
32. Jl. Tanjung Harapan depan Gg. Madrasah
33. Jl. Tanjung Raya 2 Gg. Yasser
34. Jl. Tritura Gg. Keluarga 2

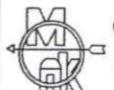
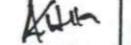
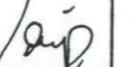


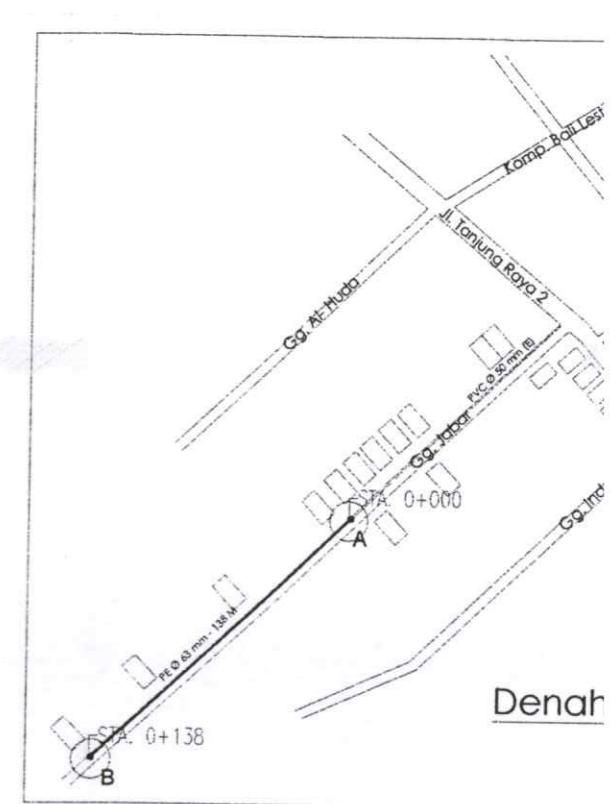
Denah Situasi



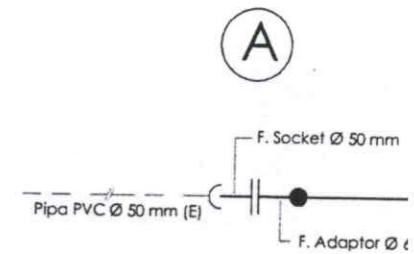
Detail Junction

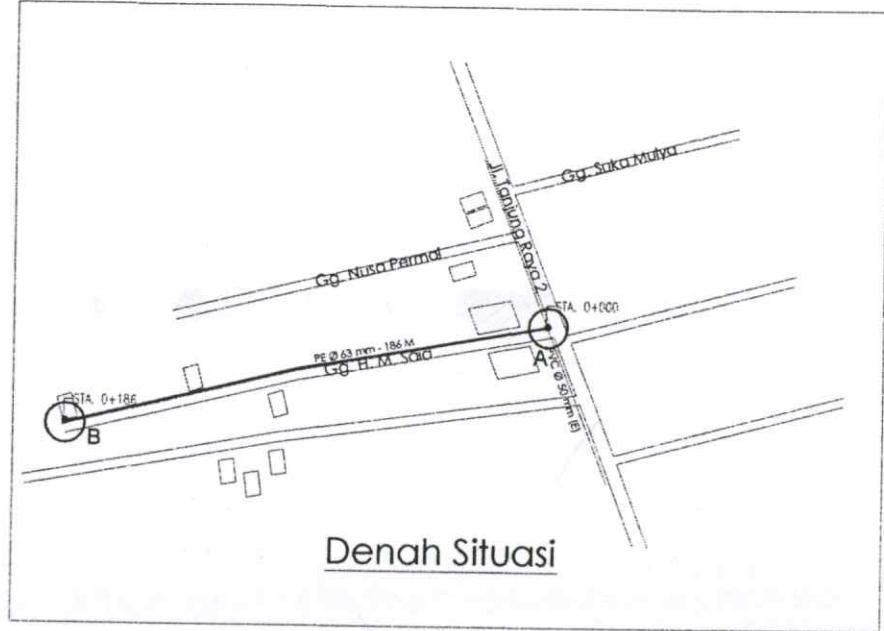
SKALA : TS

KETERANGAN					
PELAKSANA PEKERJAAN					
 CV. MUTIARA KHATULISTIWA Jl. Gajah Mada No. 151/155 Pontianak 					
NAMA PEKERJAAN					
Pengembangan Jaringan Pipa Distribusi Tertier Pontianak Timur					
Lokasi : Jl. Tanjung Raya 2 Gg. Suka Bersih Pontianak Timur					
AS BUILD DRAWING					
NAMA GAMBAR					
Situasi & Detail					
TAHUN	SKALA	NO. GBR	JML. GBR		
2018	NTS	1	34		
DIGAMBAR		DIPERIKSA			
 Andika P. Juru Gambar		 Dery Ramdhani, S.T. Pengawas 1		 Yessy Triana, S.Si Pengawas 2	
DIKETAHUU		DISETUJUI			
 Suryanto, Amd Direksi Pekerjaan		 Abdullah, S.T. Direktur Teknik			

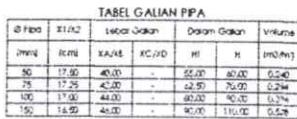


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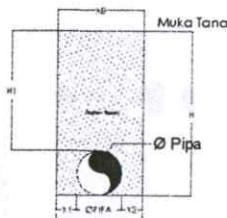
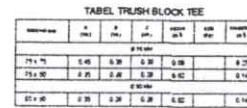


Denah Situasi



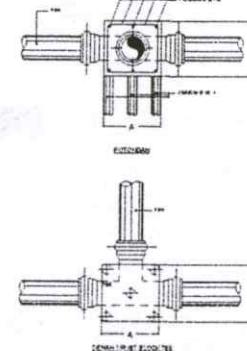
Detail Galian Pipa

SKALA : TS



Detail Trust Block Tee

SKALA : TS



PELAKSANA PEKERJAAN



CV. MUTIARA KHATULISTIWA
Jl. Cileah Muda No. 151/155 Pariaman

NAMA PEKERJAAN

Pengembangan Jaringan Pipa Distribusi Tertier Pontianak Timur

Lokasi : Jl. Tanjung Raya 2 Gg. H. M. Said
Pontianak Timur

AS BUILD DRAWING

NAMA GAMBAR

Situasi & Detail

TAHUN	SKALA	NO. GBR	JML. GBR
2018	NTS	3	34

DIGAMBAR DIPERIKSA

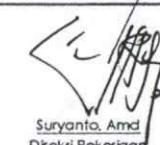

Andika P.


Deny Ramdhani, S.S.T.

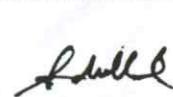

Yessy Trianca, S.Si
Bengawan 2

DIKE

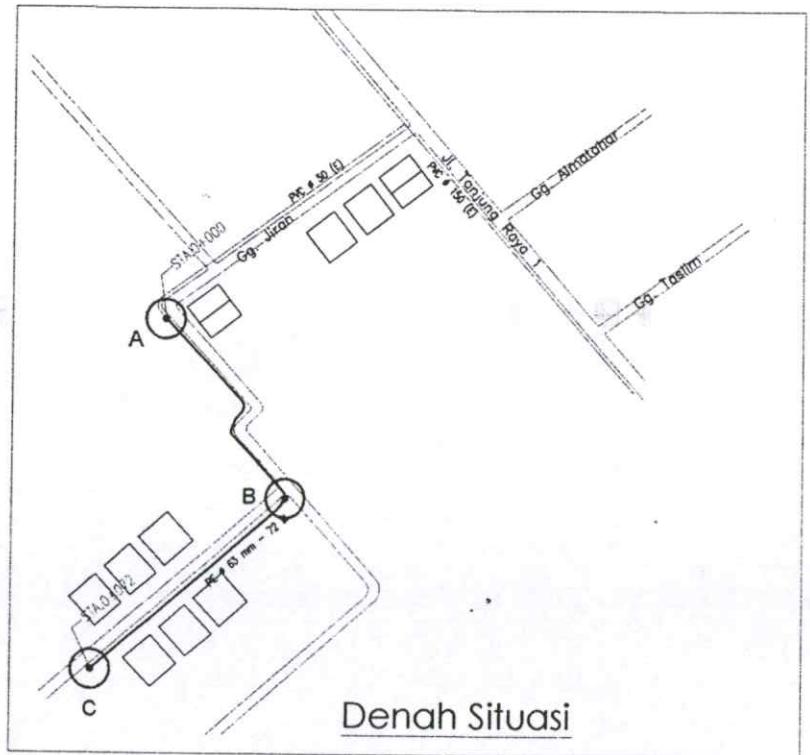
DISETUJUI



Suryanto, A.
Dikri Bakti

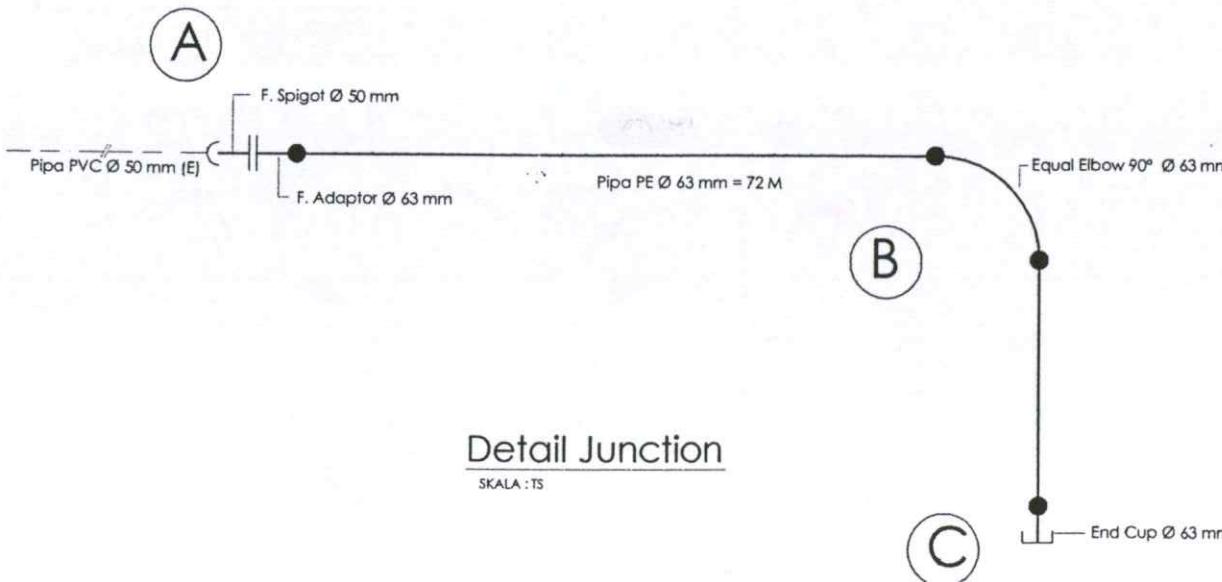


Abdullah, S. ST
Diktur Teknik

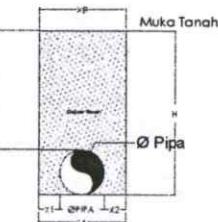


Detail Junction

SKALA : TS



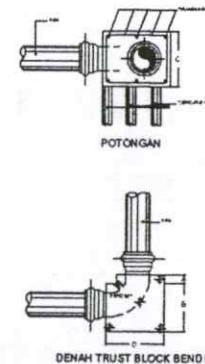
TABEL GALIAN PIPA				
Ø Pipa (mm)	X1/C	Lebar Galian	Dalam Galian	Volum
50	17,50	40,00	-	50,00 0,34
75	17,25	42,50	-	42,50 0,34
100	17,00	44,00	-	80,00 0,34
150	14,50	48,00	-	90,00 0,58



Detail Galian Pipa

SKALA : TS

TABEL TRUSH BLOCK BEND 90°					
SABIT PIPA	A (cm)	B (cm)	C (cm)	DEPOT (cm)	DEPOT (cm)
				Bentuk 90°	
75	0,15	0,90	0,35	0,57	0,79
100	0,15	0,40	0,25	0,33	0,12



Detail Trust Bend 90°

SKALA : TS

KETERANGAN

PELAKSANA PEKERJAAN
CV. MUTIARA KHATULISTIWA
Jl. Gajah Mada No. 151/155 Pontianak



NAMA PEKERJAAN

Pengembangan Jaringan Pipa Distribusi Tertier
Pontianak Timur

Lokasi : Jl. Tanjung Raya 1 Gg. Jiran
Pontianak Timur

AS BUILD DRAWING

NAMA GAMBAR

Situasi & Detail

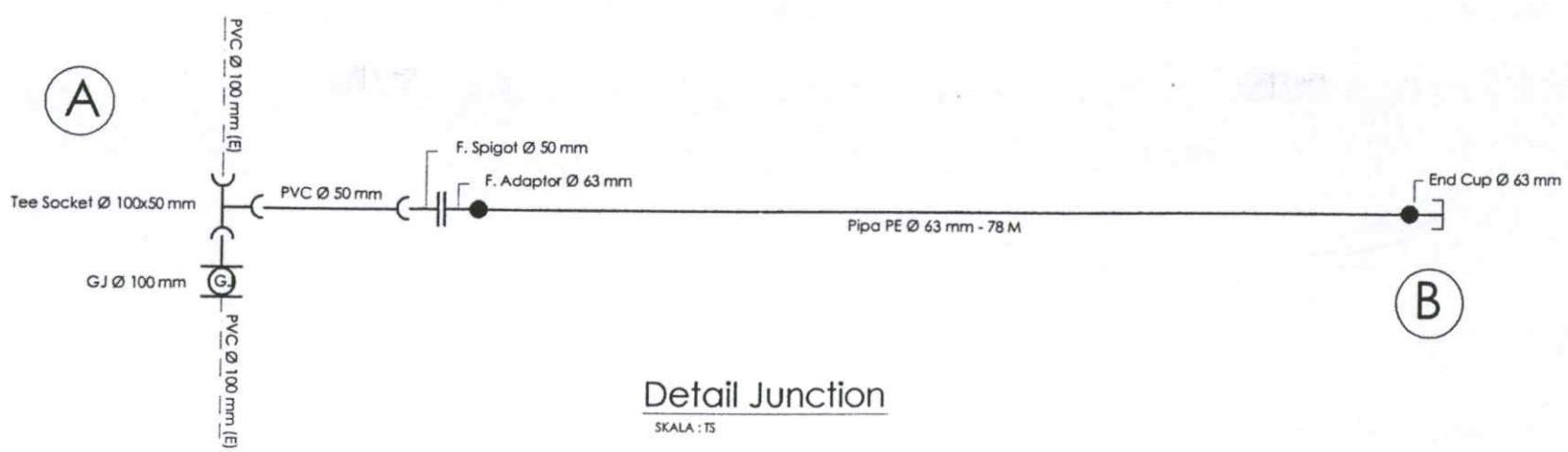
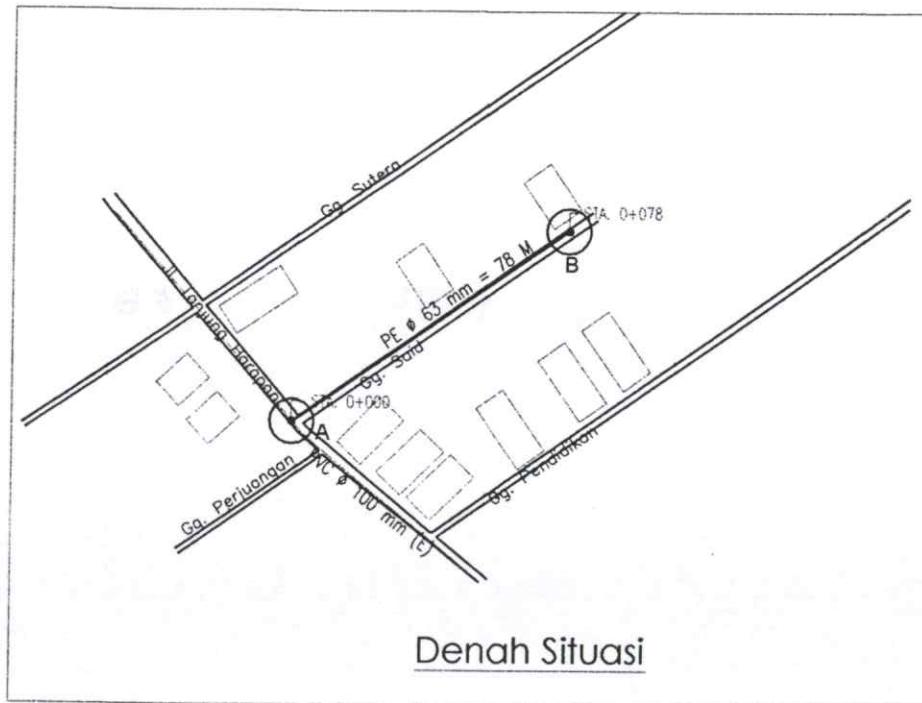
TAHUN	SKALA	NO. GBR	JML. GBR
2018	NTS	4	34

DIGAMBAR DIPERIKSA

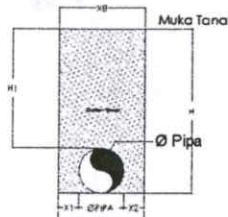
Andika P. Juru Gambar	Dery Ramdhani, S.Si Pengawas 1	Yessy Triana, S.Si Pengawas 2
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DIKETAHUI DISETUJUI

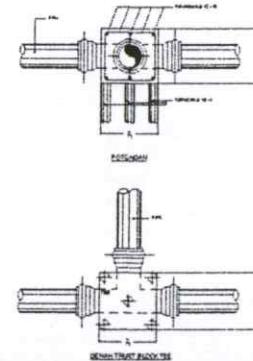
Suryanto, Amd Direksi Pekerjaan	Abdullah, S. ST Direktur Teknik
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TABEL GALIAN PPA				
Ø Pipa	X1/R2	Udara Galian	Dalam Galian	Volumen
mm	cm	Xc/m2	H	m3/cm3
50	17,53	40,00	10,00	0,54
75	17,25	42,00	13,00	0,74
100	17,00	44,00	16,00	0,94
125	16,67	46,00	19,00	1,13



TABEL TRUST BLOCK TEE						
Pembatas	Ø1	Ø2	Ø3	Ø4	Ø5	Ø6
75 x 75	2,40	0,80	2,00	0,20	0,12	0,12
75 x 50	2,40	0,80	2,00	0,20	0,12	0,12
100 x 75	2,40	0,80	2,00	0,20	0,12	0,12
100 x 50	2,40	0,80	2,00	0,20	0,12	0,12



KETERANGAN

PELAKSANA PEKERJAAN
CV. MUTIARA KHATULISTIWA
Jl. Gajah Mada No. 151/155 Pontianak

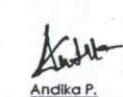
NAMA PEKERJAAN
Pengembangan Jaringan Pipa Distribusi Tertier
Pontianak Timur
Lokasi : Jl. Tanjung Harapan Gg. Said
Pontianak Timur

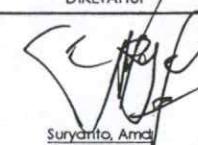
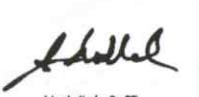
AS BUILD DRAWING

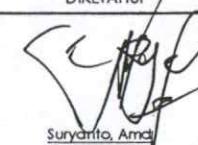
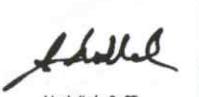
NAMA GAMBAR

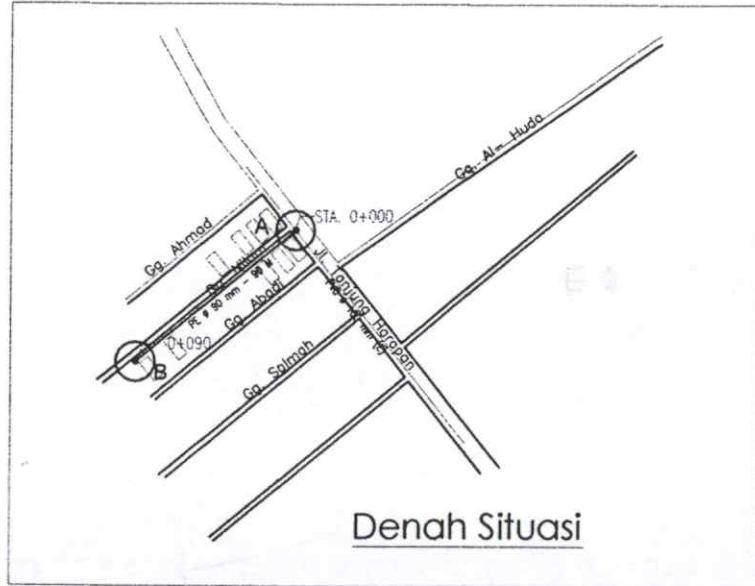
Situasi & Detail

TAHUN	SKALA	NO. GBR	JML. GBR
2018	NTS	5	34

DIGAMBAR	DIPERIKSA
	

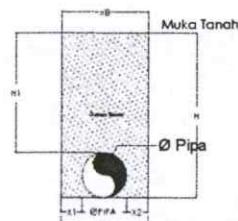
DIKETAHUI	DISETUJUI
	

DIKETAHUI	DISETUJUI
	



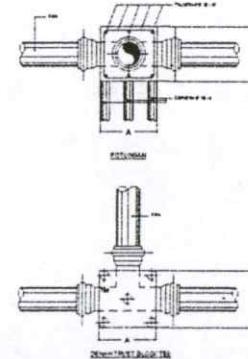
Ø Pipa	X1/32	Leng. Galian	Dalam Galian	Volumen
(mm)	(cm)	X1/32	XG/2D	H
50	17,80	40,00	-	56,00
75	17,25	42,00	-	62,90
100	17,00	44,00	-	80,00
150	16,90	48,00	-	90,00
				110,00
				0,528

WIDANG	A mm	B mm	C mm	D mm	E mm	F mm	G mm
H+15	2,00	3,20	4,00	4,00	4,00	4,00	0,27
H+10	2,00	3,20	2,00	4,00	4,00	4,00	0,14
H+5	2,00	3,20	2,00	4,00	4,00	4,00	0,14



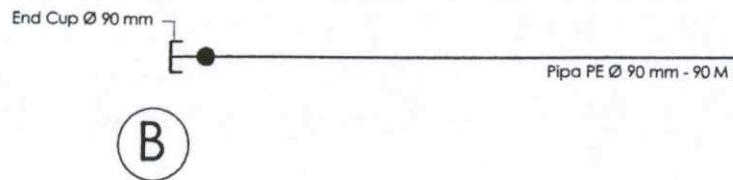
Detail Galian Pipa

SKALA : TS



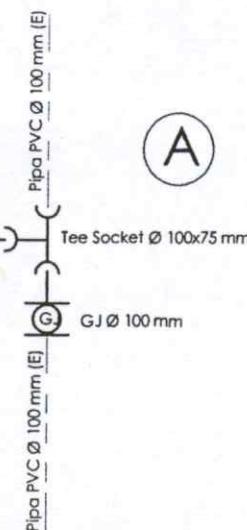
Detail Trust Block Tee

SKALA : TS

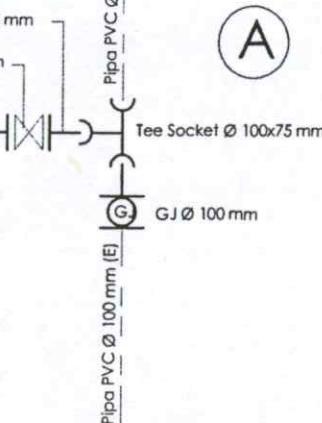


Detail Junction

SKALA : TS



A



KETERANGAN

PELAKSANA PEKERJAAN
CV. MUTIARA KHATULISTIWA
Jl. Gajah Mada No. 151/155 Pontianak

NAMA PEKERJAAN
Pengembangan Jaringan Pipa Distribusi Tertier
Pontianak Timur
Lokasi : Jl. Tanjung Harapan Gg. Nilam
Pontianak Timur

AS BUILD DRAWING

NAMA GAMBAR

Situasi & Detail

TAHUN	SKALA	NO. GBR	JML. GBR
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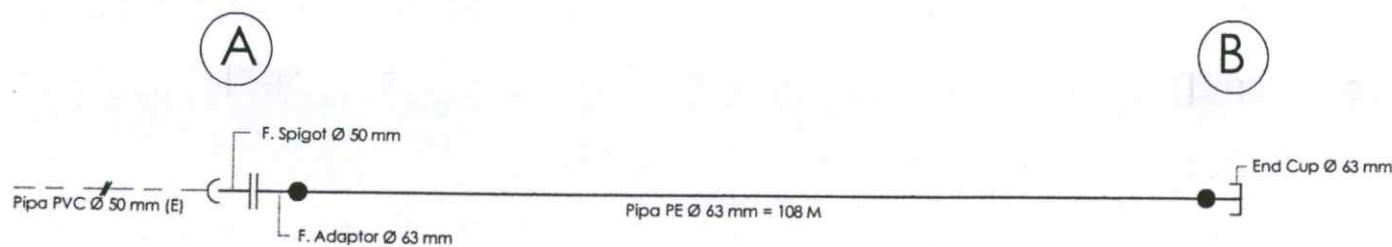
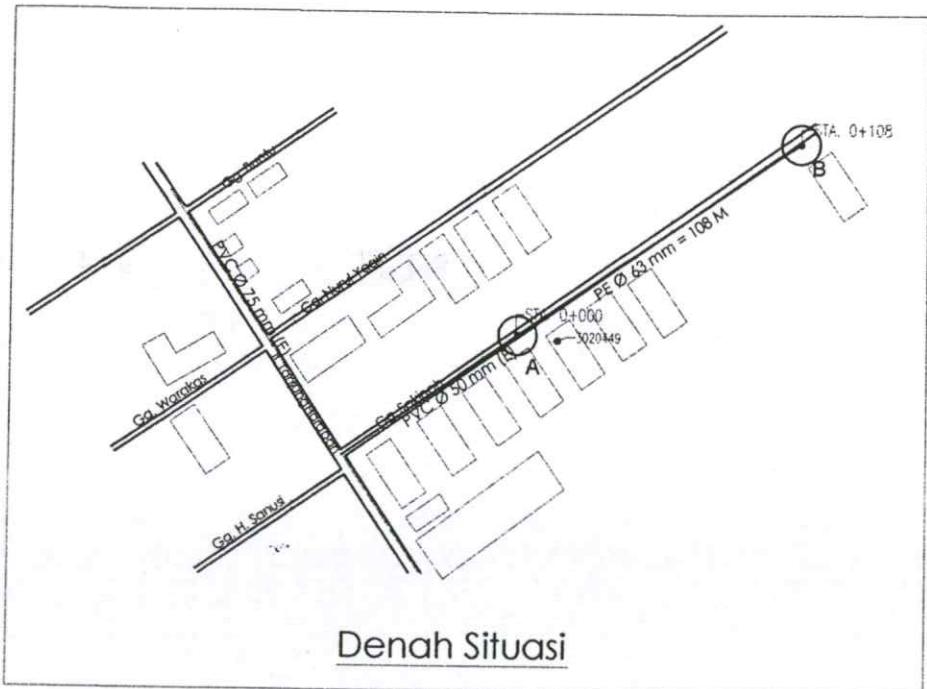
2018	NTS	6	34
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DIGAMBAR	DIPERIKSA
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Andika P. Juru Gambar	Deny Ramdhani, S.Si Pengawal 1	Yessy Triana, S.Si Pengawas 2

DIKETAHUI	DISETUJUI
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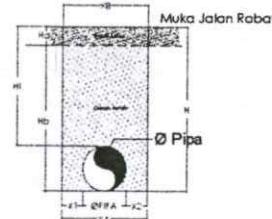
Suryanto Ama Direksi Pekerjaan	Abdullah, S. ST Direktur Teknik



Detail Junction

SKALA : TS

Ø Pipa	X/r/r	Lebar	DALAM GALIAN (CM)			Vol Tang	Vol Engar
			Hd	Hd	Hd		
mm	mm	mm	mm	mm	mm	mm ³ /m ³	m ³ /m ³
ØD	X	L	Hd	Hd	Hd	mm ³ /m ³	m ³ /m ³
50	17,50	45,00	10,00	8,00	6,00	0,321	0,541
75	17,25	45,00	10,00	8,00	6,00	0,361	0,646
100	17,00	44,00	10,00	8,00	6,00	0,382	0,644
125	16,50	48,00	10,00	8,00	6,00	0,400	0,644



Detail Galian Pipa

SKALA : TS

KETERANGAN

PELAKSANA PEKERJAAN
CV. MUTIARA KATULISTIWA
Jl. Gajah Mada No. 151/155 Pontianak

NAMA PEKERJAAN
Pengembangan Jaringan Pipa Distribusi Tertier
Pontianak Timur

Lokasi : Jl. Tanjung Harapan Gg. Sakinah
Pontianak Timur

AS BUILD DRAWING

NAMA GAMBAR

Situasi & Detail

TAHUN	SKALA	NO. GBR	JML. GBR
2018	NTS	7	34

DIGAMBAR DIPERIKSA


Andika P.
Juru Gambar


Deny Kamdhani, S.T.
Pengawas 1

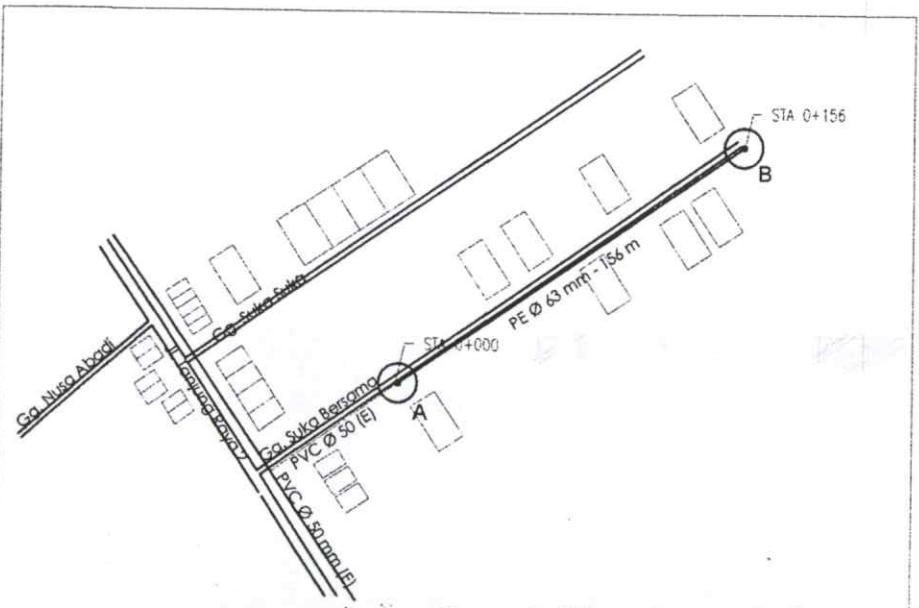

Yesy Triana, S.Si
Pengawas 2

DIKETAHUI

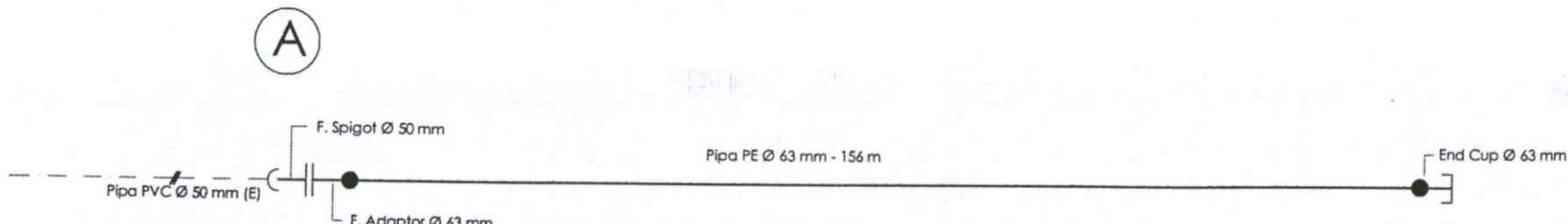
DISETUJUI


Suryanto, Amd
Direksi Pekerjaan


Abdullah, S. ST
Direktur Teknik



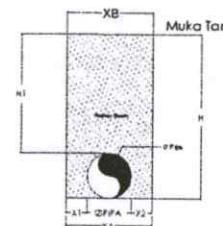
Denah Situasi



Detail Junction

SKALA : TS

TABEL GALIAN PIPA					
Ø Pipa	X1/2	Lebar Galian	Dalam Galian	Volume	
mm	(cm)	X A/D	ZC/ND	m	m ³ /m
50	17,50	40,00	-	56,20	60,00
75	17,25	42,00	-	62,50	70,00
100	17,00	44,00	-	60,30	70,00
125	16,85	46,00	-	60,07	110,00



Detail Galian Pipa

SKALA : TS

KETERANGAN

PELAKSANA PEKERJAAN
CV. MUTIARA KHATULISTIWA
Jl. Gajah Mada No. 151/155 Pontianak



NAMA PEKERJAAN

Pengembangan Jaringan Pipa Distribusi Tertier
Pontianak Timur

Lokasi : Jl. Tanjung Raya 2 Gg. Suka Bersama
Pontianak Timur

AS BUILD DRAWING

NAMA GAMBAR

Situasi & Detail

TAHUN	SKALA	NO. GBR	JML. GBR
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2018	NTS	8	34
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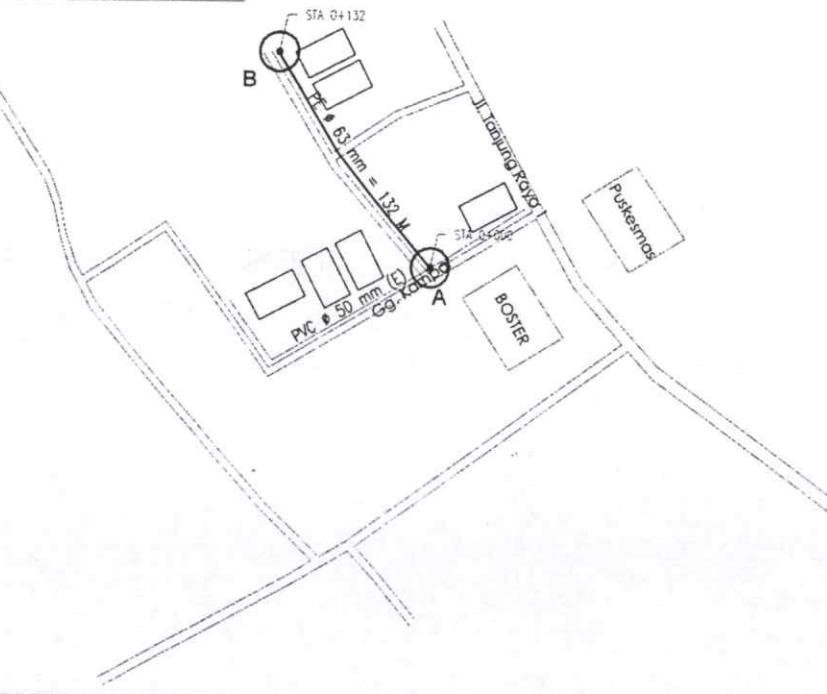
DIGAMBAR	DIPERIKSA
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Andika P. Juru Gambar	Dery Ramdhani, S.ST Pengawas 1	Yessy Triana, S.Si Pengawas 2
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DIKETAHUI	DISETUJUI
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Suryanto, Amd Direksi Pekerjaan	Abdullah, S. ST Direktur Teknik
------------------------------------	------------------------------------

Denah Situasi

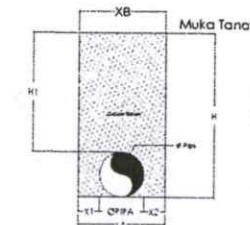


TABEL GALIAN PIPA

Ø Pipa	X1/NC	Lebar Galian	Dalam Galian	Volume	
(mm)	(cm)	XA/YB	XC/XD	H	m³/m³
50	17,50	40,00	-	60,00	0,005
75	17,50	40,00	-	60,00	0,020
100	17,50	44,00	-	80,00	0,024
150	14,50	48,00	-	90,00	0,036
				110,00	0,050

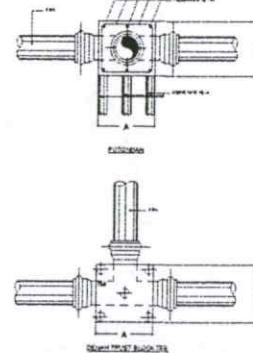
TABEL TRUSH BLOCK TEE

A	B	C	D	E	F	G	H
25 x 75	3,00	0,30	0,30	0,30	0,30	0,30	0,30
25 x 100	3,00	0,30	0,30	0,30	0,30	0,30	0,30
50 x 50	4,00	0,30	0,30	0,30	0,30	0,30	0,30



Detail Galian Pipa

SKALA : TS



Detail Trust Block Tee

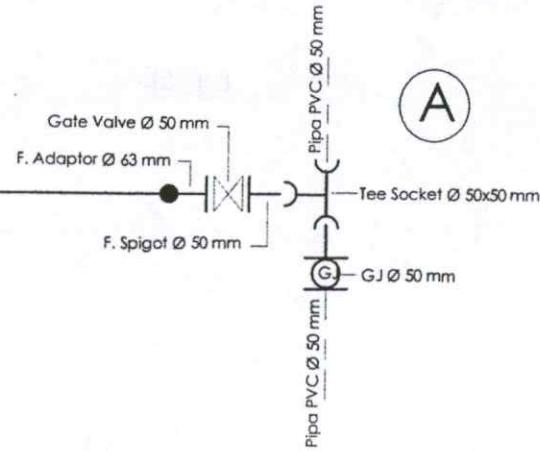
SKALA : TS

End Cup Ø 63 mm
Pipa PE Ø 63 mm - 132 m

(B)

Detail Junction

SKALA : TS



KETERANGAN

PELAKSANA PEKERJAAN

CV. MUTIARA KHATULISTIWA
Jl. Gajah Mada No. 151/155 Pontianak

NAMA PEKERJAAN

Pengembangan Jaringan Pipa Distribusi Tertier
Pontianak Timur

Lokasi : Jl. Tanjung Raya 1 Gg. Kampar
Pontianak Timur

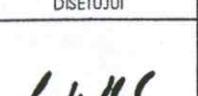
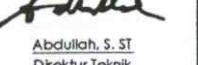
AS BUILD DRAWING

NAMA GAMBAR

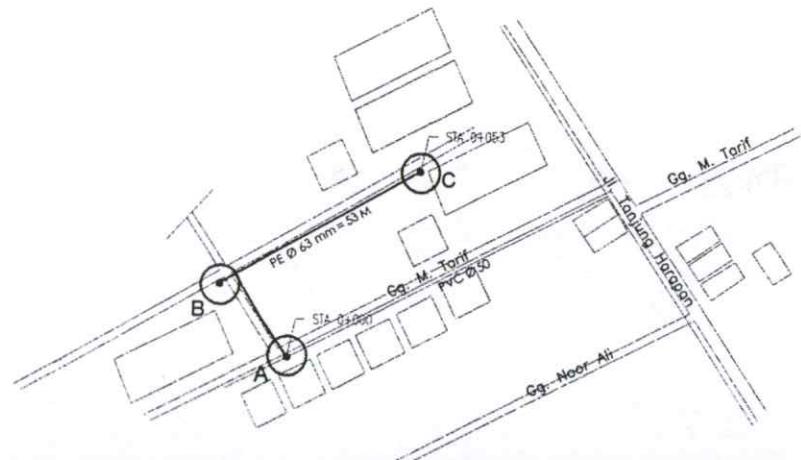
Situasi & Detail

TAHUN	SKALA	NO. GBR	JML. GBR
2018	NTS	9	34

DIGAMBAR		DIPERIKSA	
			

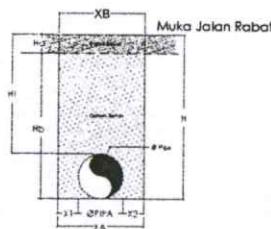
DIKETAHUI		DISETUJUI	
			

Denah Situasi



TABEL GALIAN PPA

Ø Pipa	Tinggi	Lebar	DALAM GALIAN (cm)			Vol. Tangan	Vol. Rambatan
			H1	H2	H3		
50	17,50	40,00	10,00	50,00	60,00	0,000	0,000
75	17,50	45,00	10,00	60,00	70,00	0,265	0,264
100	17,50	44,00	10,00	60,00	80,00	0,307	0,304
150	16,50	45,00	10,00	60,00	110,00	0,460	0,458

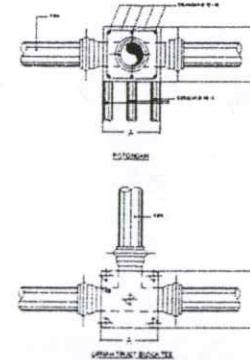


Detail Galian Pipa

SKALA : TS

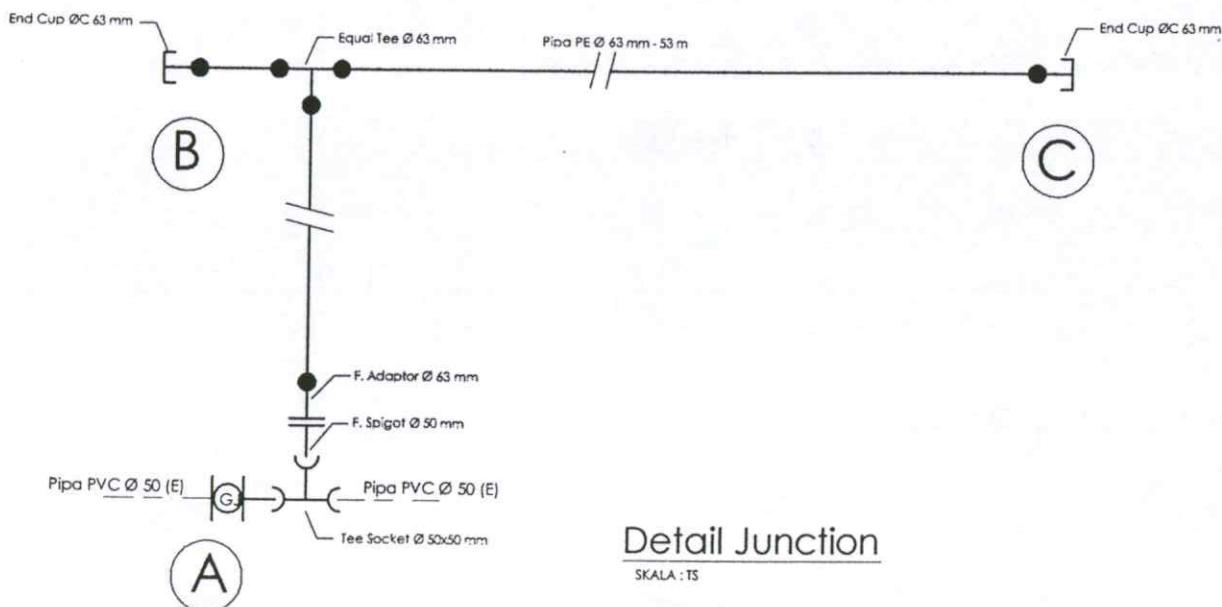
TABEL TRUST BLOCK TEE

Prestressing	A	B	C	Leverage	
				mm	kg
75 x 75	7,50	2,25	0,75	0,25	4,27
75 x 10	7,50	2,25	0,75	0,25	4,14
100 x 10	7,50	2,25	1,00	0,25	4,14



Detail Trust Block Tee

SKALA : TS



KETERANGAN

PELAKSANA PEKERJAAN
CV. MUTIARA KHATULISTIWA
Jl. Gajah Mada No. 151/155 Pontianak

NAMA PEKERJAAN
Pengembangan Jaringan Pipa Distribusi Tertier
Pontianak Timur
Lokasi : Jl. Tanjung Harapan Gg. M. Tarif
Pontianak Timur

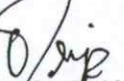
AS BUILD DRAWING

NAMA GAMBAR

Situasi & Detail

TAHUN	SKALA	NO. GBR	JML. GBR
2018	NTS	10	34

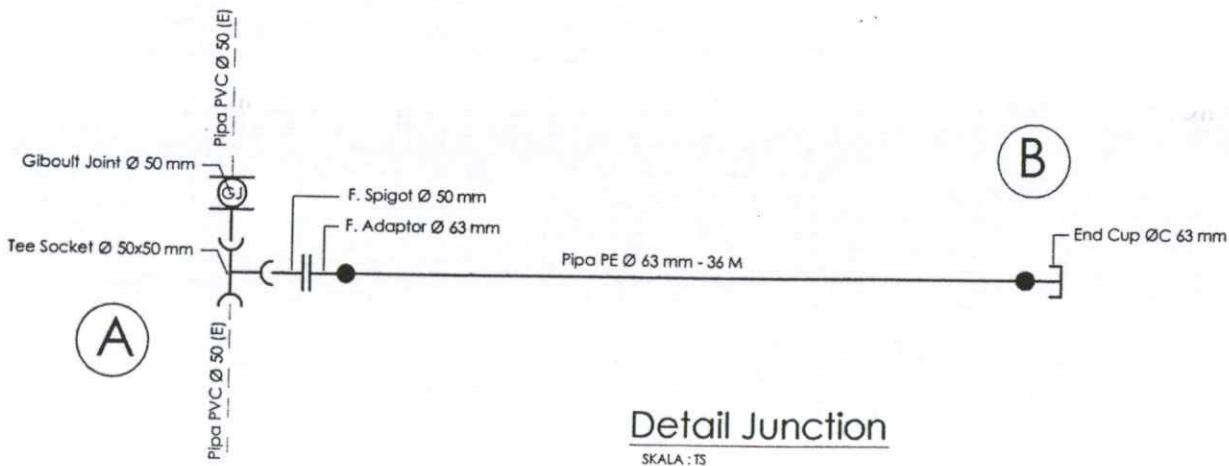
DIGAMBAR DIPERIKSA

		
Andika P. Juru Gambar	Dery Ramdani, S.T. Pengawas 1	Yesy Triana, S.Si. Pengawas 2

DIKETAHUI DISETUJUI

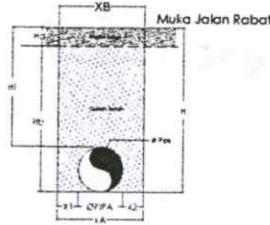
	
Suryanto, Arma Direksi Pekerjaan	Abdullah, S.T. Direktur Teknik

Denah Situasi



Detail Junction

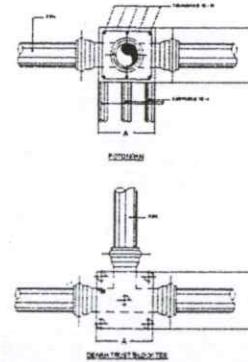
TABEL GALIAN PIPA						
Ø PIPA	PI/R2	LUBANG	DALAM GALIAN (CM)	VOL	VOL	VOL
mm	cm	cm	cm	cm³	cm³	cm³
50	17,50	40,00	10,00	50,00	95,00	0,210
75	17,50	42,00	10,00	40,00	12,50	0,045
100	17,50	44,00	10,00	40,00	16,00	0,048
150	16,50	48,00	10,00	100,00	110,00	0,480



Detail Galian Pipa

SKALA : TS

TABEL TRUST BLOCK TEE						
mm	A	B	C	D	E	F
75 x 50	1,4	5,0	1,0	1,0	0,27	
75 x 60	1,4	5,0	1,2	1,2	0,44	
100 x 50	2,0	5,0	1,0	1,0	0,44	
100 x 60	2,0	5,0	1,2	1,2	0,64	
150 x 50	2,0	5,0	1,0	1,0	0,64	



Detail Trust Block Tee

SKALA : TS

KETERANGAN

PELAKSANA PEKERJAAN

CV. MUTIARA KHATULISTIWA
Jl. Gajah Mada No. 151/155 Pontianak

NAMA PEKERJAAN

Pengembangan Jaringan Pipa Distribusi Tertier
Pontianak Timur

Lokasi : Jl. Tanjung Harapan Gg. Hijrah
Pontianak Timur

AS BUILD DRAWING

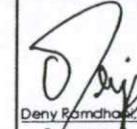
NAMA GAMBAR

Situasi & Detail

TAHUN	SKALA	NO. GBR	JML. GBR
2018	NTS	11	34

DIGAMBAR DIPERIKSA


Andika P.
Juru Gambar


Deny Ramdhani, S.Si
Pengawas 1

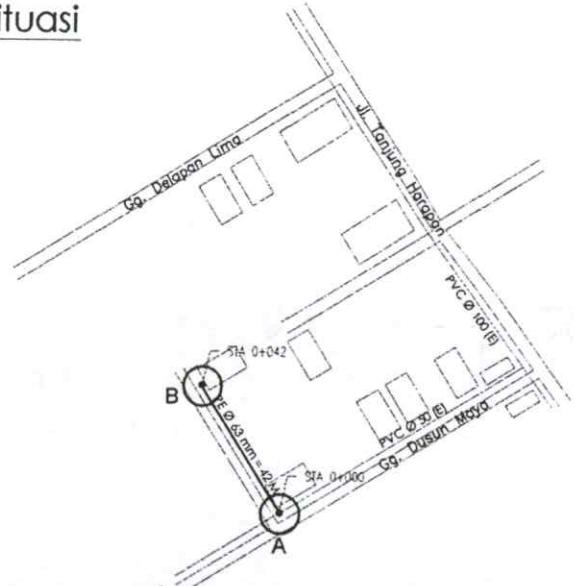

Yessy Triana, S.Si
Pengawas 2

DIKETAHUI DISETUJUI


Suryanto, Amd
Direksi Pekerjaan

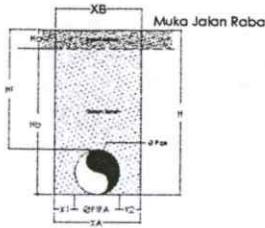

Abdullah, S. ST
Direktur Teknik

Denah Situasi



TABEL GALIAN PIPA

@ Pipa	X1/2	Lebar	DALAM GALIAN ICAN				Vol. Ton/m3	Vol. Kubik
			Z.A.P	H.G	H.S	R.HG+HG		
50	17,50	40,00	10,00	50,00	55,00	65,00	0,390	0,046
75	17,25	42,00	10,00	60,00	62,00	70,00	0,395	0,049
100	17,25	44,00	10,00	60,00	60,00	70,00	0,395	0,049
150	16,50	48,00	10,00	100,00	100,00	110,00	0,440	0,064

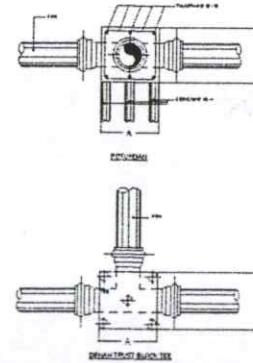


Detail Galian Pipa

SKALA : TS

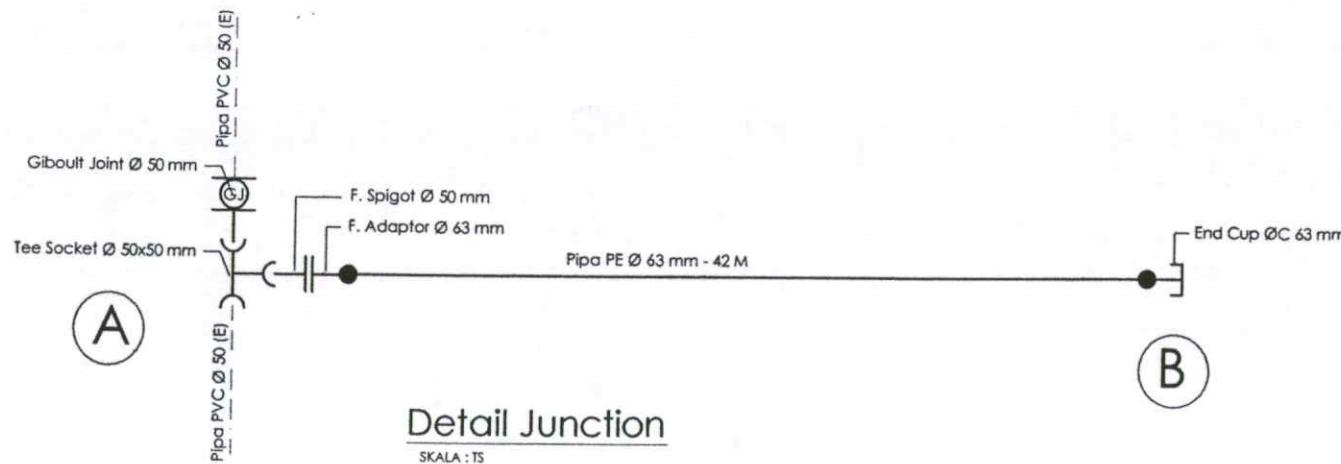
TABEL TRUST BLOCK TEE

Diameter	A	B	C	Volume	
				mm	m3
75 x 75	2,95	9,36	9,36	75	0,21
75 x 100	4,35	9,36	9,36	75	0,11
100 x 100	4,35	12,36	12,36	100	0,14



Detail Trust Block Tee

SKALA : TS



Detail Junction

SKALA : TS

KETERANGAN

PELAKSANA PEKERJAAN

CV. MUTIARA KHATULISTIWA
Jl. Gajah Mada No. 151/155 Pontianak

NAMA PEKERJAAN

Pengembangan Jaringan Pipa Distribusi Tertier
Pontianak Timur

Lokasi : Jl. Tanjung Harapan Gg. Dusun Maya
Pontianak Timur

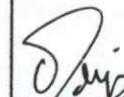
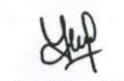
AS BUILD DRAWING

NAMA GAMBAR

Situasi & Detail

TAHUN	SKALA	NO. GBR	JML. GBR
2018	NTS	12	34

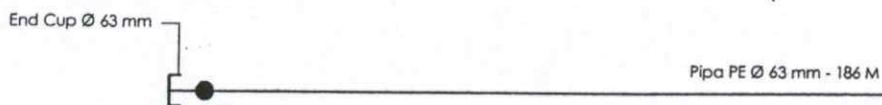
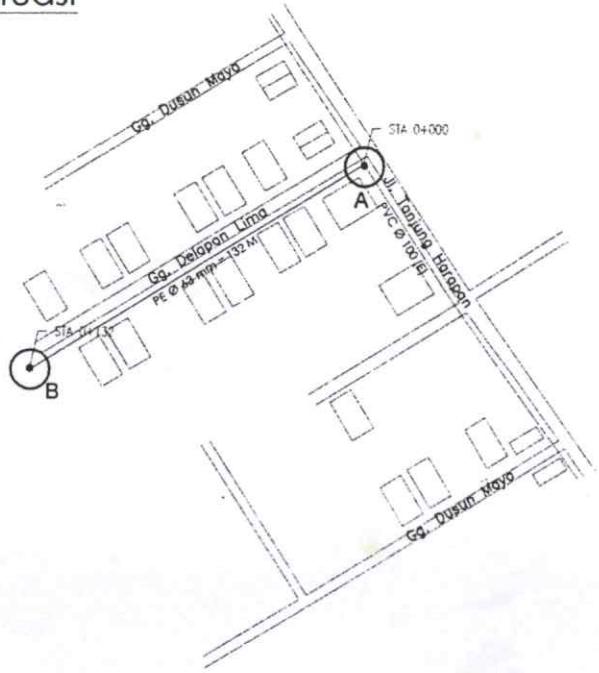
DIGAMBAR	DIPERIKSA
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Andika P. Juru Gambar	Deny Ramdhani, S.ST Pengawas 1	Yessy Triana, S.Si Pengawas 2

DIKETAHUI	DISETUJUI
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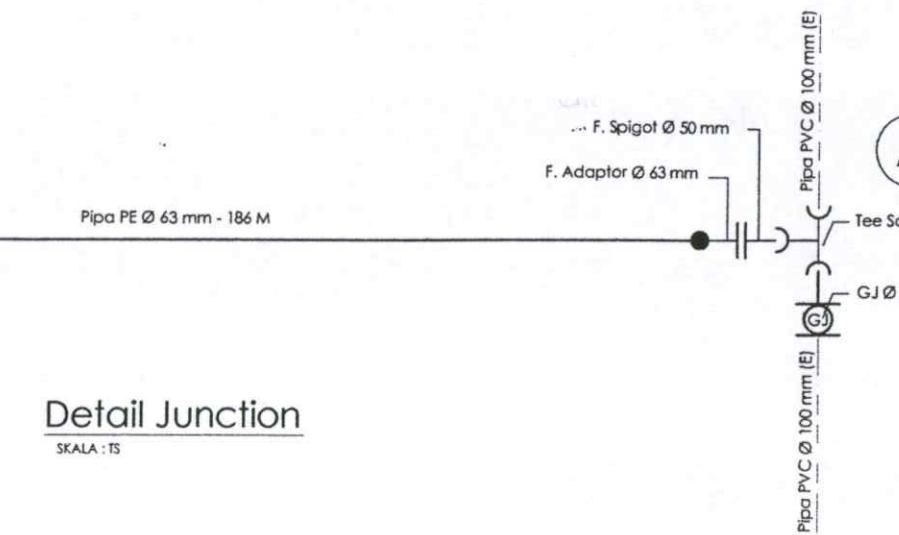
	
Suryanto, Amd Direksi Pekerjaan	Abdullah, S.T. Direktur Teknik

Denah Situasi



Detail Junction

SKALA : TS

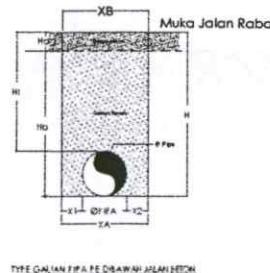


TABEL GALIAN PIPA

Ø Pipa (mm)	L (m)	Lebar (m)	DALAM GALIAN (cm)			Vol. tanah (m³)	Vol. Batu (m³)
			X/A	H	Hb		
50	17,50	40,00	10,00	50,00	55,00	0,200	0,040
75	17,25	42,00	10,00	60,00	62,50	0,252	0,042
100	17,20	44,75	10,00	80,00	80,00	0,335	0,044
150	16,50	45,00	10,00	100,00	100,00	0,480	0,048

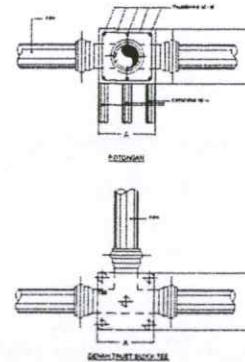
TABEL TRUST BLOCK TEE

Diameter	A			B			C		
	A1	A2	A3	B1	B2	B3	C1	C2	C3
75 x 75	0,46	0,38	0,38	0,18	0,27	0,27	0,18	0,27	0,27
75 x 90	0,46	0,38	0,38	0,22	0,32	0,32	0,22	0,32	0,32
90 x 90	0,46	0,38	0,38	0,32	0,32	0,32	0,22	0,32	0,32



Detail Galian Pipa

SKALA : TS



Detail Trust Block Tee

SKALA : TS

KETERANGAN

PELAKSANA PEKERJAAN
CV. MUTIARA KHATULISTIWA
Jl. Gajah Mada No. 151/155 Pontianak

NAMA PEKERJAAN
Pengembangan Jaringan Pipa Distribusi Tertier
Pontianak Timur

Lokasi : Jl. Tanjung Harapan Gg. 85
Pontianak Timur

AS BUILD DRAWING

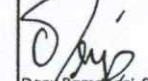
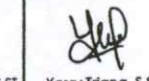
NAMA GAMBAR

Situasi & Detail

TAHUN	SKALA	NO. GBR	JML. GBR
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2018	NTS	13	34
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DIGAMBAR	DIPERIKSA
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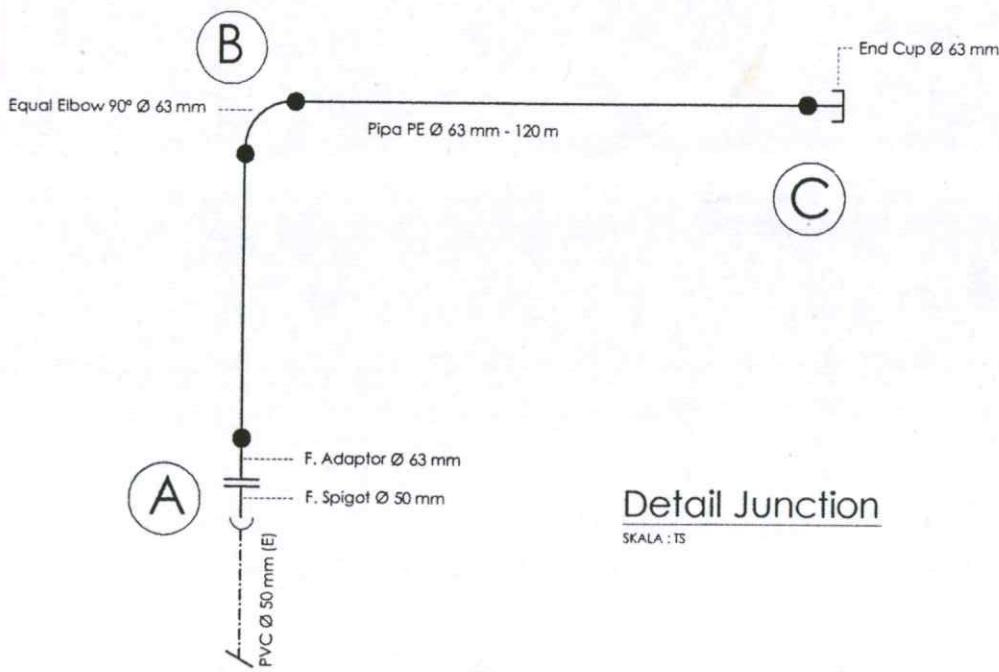
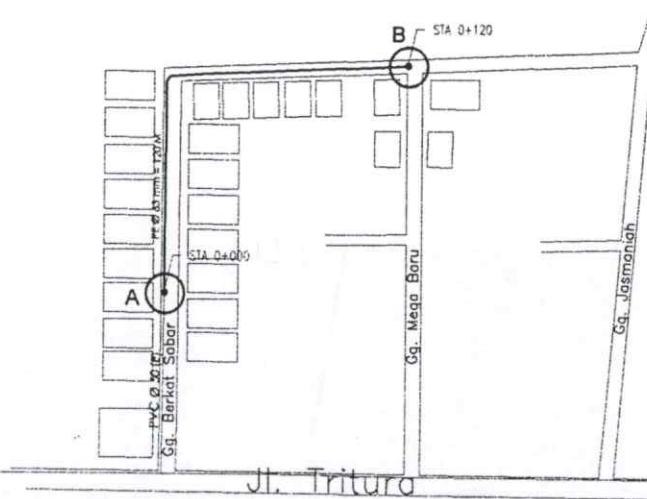
		
Andika P. Juru Gambar	Deny Ramadani, S.Si. Pengawas 1	Yessy Triana, S.Si. Pengawas 2

DIKETAHUI	DISETUJUI
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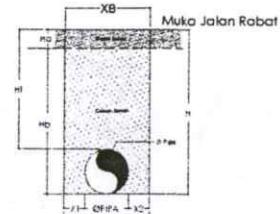
	
Suryanto, Amd. Direksi Pekerjaan	Abdullah, S.T. Direktur Teknik

KETERANGAN

Denah Situasi



Ø Pipa	x 100	Lingk.	DAIRAM GALIAN JCN			Vol. Total (m³)	Vol. Fase (m³)
			XANB	NG	HD		
75	17,25	4,05	10,00	20,00	55,00	40,00	0,337 0,046
75	17,25	4,05	10,00	20,00	62,50	51,25	0,352 0,049
100	17,00	4,40	10,05	45,05	40,00	40,00	0,402 0,064
125	16,80	4,92	7,00	100,00	95,00	110,00	0,445 0,066

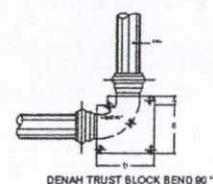
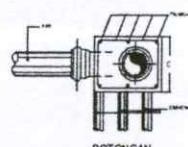


Tipe Galan Pipa Distribusi Tertier

Detail Galian Pipa

SKALA : TS

TABEL TRUSH BLOCK BEND 90°					
TRUSH NAME	A mm	B mm	C mm	D mm	E mm
BB	0.16	0.55	0.16	0.37	0.23
BD	0.16	0.49	0.25	0.83	0.12



Detail Trust Bend 90°

SKALA : TS

PELAKSANA PEKERJAAN

CV. MUTIARA KHATULISTIWA
Jl. Gajah Mada No. 151/155 Pontianak

NAMA PEKERJAAN

Pengembangan Jaringan Pipa Distribusi Tertier
Pontianak Timur

Lokasi : Jl. Tritura Gg. Berkat Sabar
Pontianak Timur

AS BUILD DRAWING

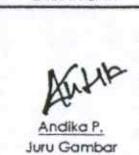
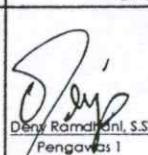
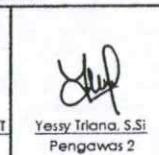
NAMA GAMBAR

Situasi & Detail

TAHUN	SKALA	NO. GBR	JML. GBR
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2018	NTS	14	34
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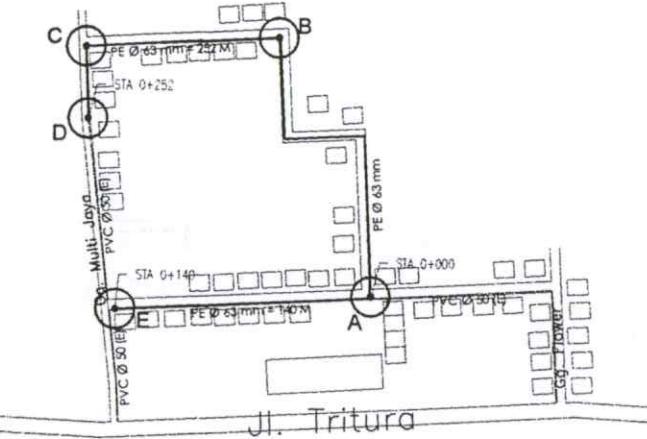
DIGAMBAR	DIPERIKSA
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Andika P. Juru Gambar	Dewi Ramdani, S.ST Pengawas 1	Yesy Triana, S.Si Pengawas 2

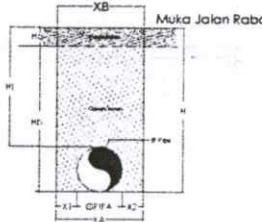
DIKETAHUI	DISETUJUI
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Suryanto, Amd Direksi Pekerjaan	Abdulkhal Direktur Teknik

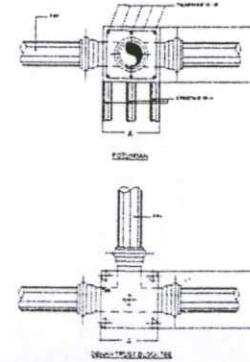
Denah Situasi



Ø Pipa	x1/2C	Lengt	CALAM GALIAN CV			Vol Tang	Vol Engot
			No	Hn	Hd		
PE 63	10/14	1.47/18	10/02	50,00	45,00	0,100	0,350
75	17/20	45,00	10/02	50,00	45,00	0,100	0,340
75	17/20	42,00	10/02	50,00	45,00	0,100	0,330
100	17/20	44,00	10/02	50,00	45,00	0,100	0,340
150	16,00	43,00	10/02	100,00	40,00	1,000	0,460

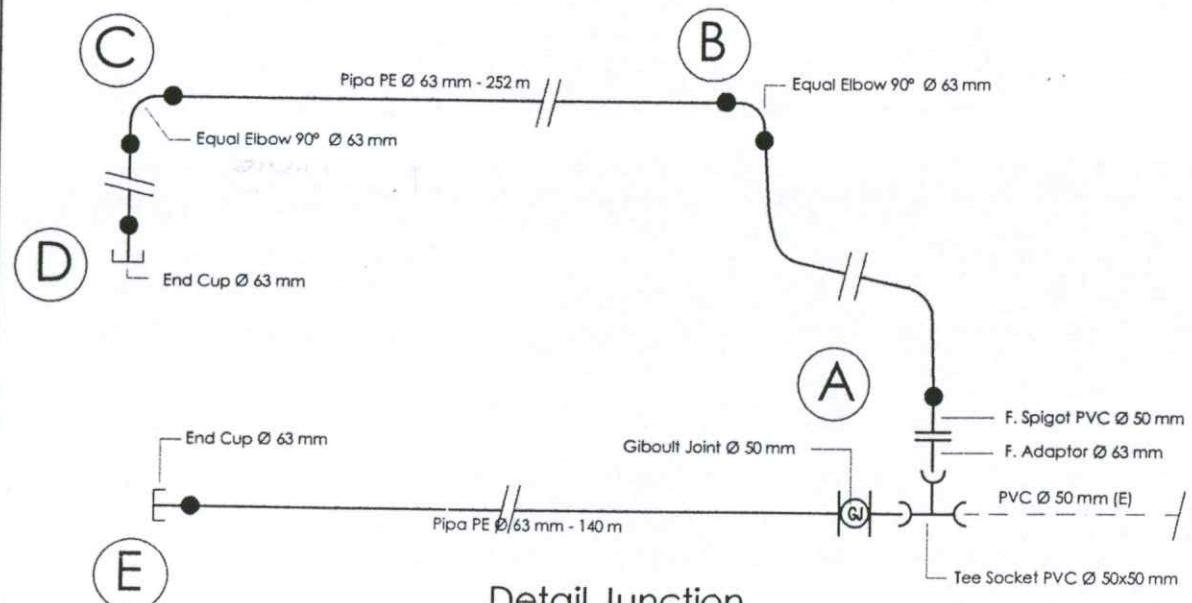


Ø Pipa	A	B	C	TABEL TRUSH BLOCK TEE	
				Ø Pipa	Ø Pipa
75	5,40	2,30	2,10	75	5,40
75	5,70	2,30	2,10	75	5,70
100	6,00	2,30	2,10	100	6,00
150	7,00	2,40	2,10	150	7,00



Detail Galian Pipa

SKALA : TS



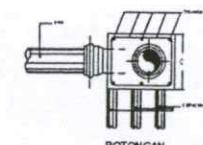
Detail Junction

SKALA : TS

Detail Trust Block Tee

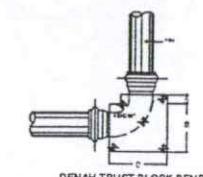
SKALA : TS

Ø Pipa	A	B	C	TABEL TRUSH BLOCK BEND 90°	
				Ø Pipa	Ø Pipa
75	0,16	0,55	0,25	0,07	0,23
100	0,15	0,42	0,25	0,03	0,12



Detail Trust Bend 90°

SKALA : TS



KETERANGAN

PELAKSANA PEKERJAAN

 CV. MUTIARA KHATULISTIWA
Jl. Gajah Mada No. 151/155 Pontianak

NAMA PEKERJAAN

Pengembangan Jaringan Pipa Distribusi Tertier
Pontianak Timur

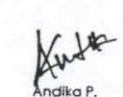
Lokasi : Jl. Tritura Gg. Flower-Multi Jaya
Pontianak Timur

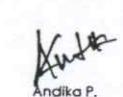
AS BUILD DRAWING

NAMA GAMBAR

Situasi & Detail

TAHUN	SKALA	NO. GBR	JML. GBR
2018	NTS	15	34

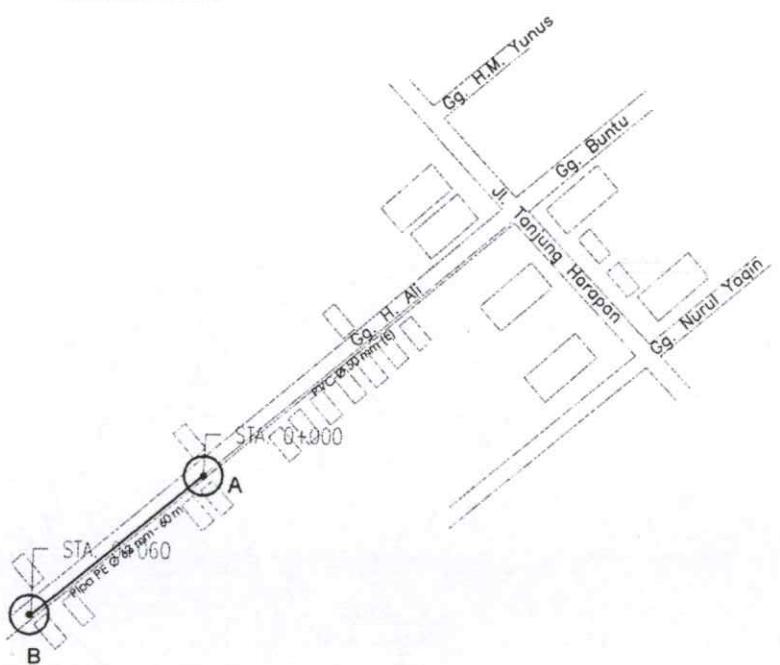
DIGAMBAR	DIPERIKSA
	

		
Andika P. Juru Gambar	Deny Ramdhani, SST Pengawas 1	Yessy Triana, S.Si Pengawas 2

DIKETAHUI	DISETUJUI
	

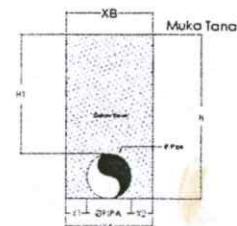
	
Suryanto, Andi Direksi Pekerjaan	Abdullah, S.T Direktur Teknik

Denah Situasi



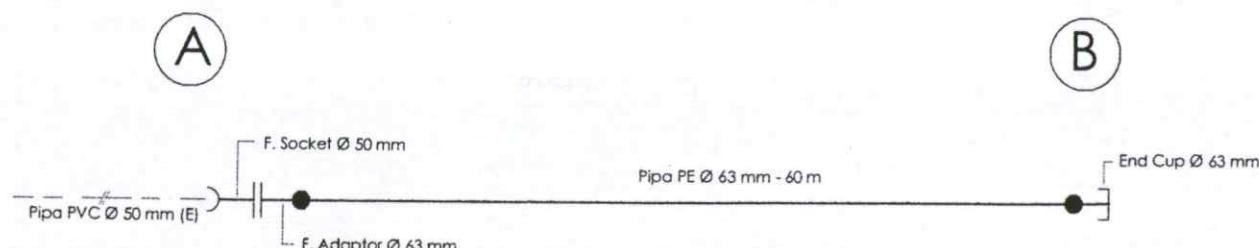
TABEL GALIAN PIPA.

Di. Pipa	X1-X2	Lebar Galian	Dalam Galian	Volume
mm	(cm)	mm	mm	(m³/m)
50	17,50	40,00	50,00	0,240
75	17,25	42,00	52,00	0,254
100	17,00	44,00	50,00	0,346
125	16,50	46,00	50,00	0,526



Detail Galian Pipa

SKALA : TS



Detail Junction

SKALA : TS

KETERANGAN

PELAKSANA PEKERJAAN

 CV. MUTIARA KHATULISTIWA
Jl. Gajah Mada No. 151/155 Pontianak

NAMA PEKERJAAN

Pengembangan Jaringan Pipa Distribusi Tertier
Pontianak Timur

Lokasi : Jl. Tanjung Harapan Gg. H. Ali
Pontianak Timur

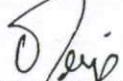
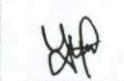
AS BUILD DRAWING

NAMA GAMBAR

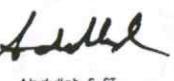
Situasi & Detail

TAHUN	SKALA	NO. GBR	JML. GBR
2018	NTS	16	34

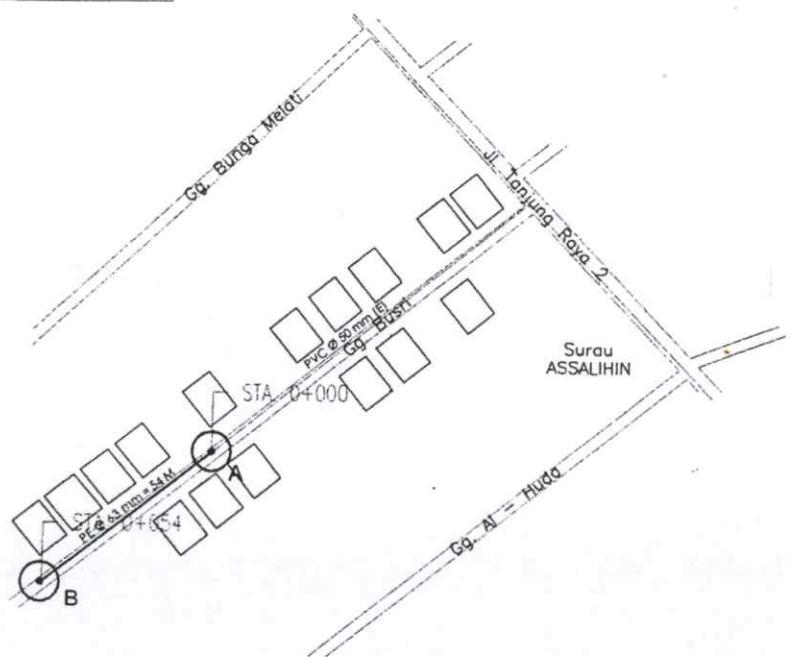
DIGAMBAR DIPERIKSA

 Andika P. Juru Gambar	 Deny Ramdhani, S.Si Pengawas I	 Yessy Triana, S.Si Pengawas II
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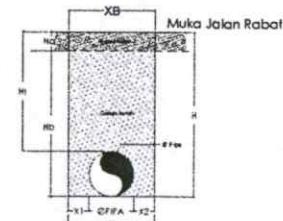
DIKETAHUI DISETUJUI

 Suryanta, Amd Direksi Pekerjaan	 Abdullah, S.T. Direktur Teknik
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Denah Situasi



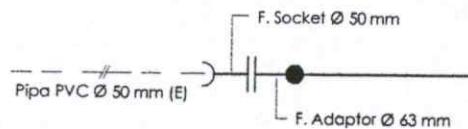
Diameter Pipa [mm]	Z1/Z2 [cm]	Lebar [cm]	DALAM GALIAN [CM]			VOL. Tahanan [m³]	VOL. Embor [m³]
			H1 [cm]	H2 [cm]	H3 [cm]		
50	17,50	42,00	10,00	45,00	42,00	0,320	0,045
75	17,50	42,00	10,00	45,00	42,00	0,785	0,100
100	17,50	44,00	10,00	45,00	40,00	0,962	0,124
125	16,50	45,00	10,00	45,00	40,00	0,460	0,058



Detail Galian Pipa

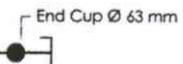
SKALA : TS

(A)



Pipa PE Ø 63 mm - 54 m

(B)



Detail Junction

SKALA : TS

KETERANGAN

PELAKSANA PEKERJAAN

CV. MUTIARA KHATULISTIWA
Jl. Gajah Mada No. 151/155 Pontianak

NAMA PEKERJAAN

Pengembangan Jaringan Pipa Distribusi Tertier
Pontianak Timur

Lokasi : Jl. Tanjung Raya 2 Gg. Busi
Pontianak Timur

AS BUILD DRAWING

NAMA GAMBAR

Situasi & Detail

TAHUN	SKALA	NO. GBR	JML. GBR
2018	NTS	17	34

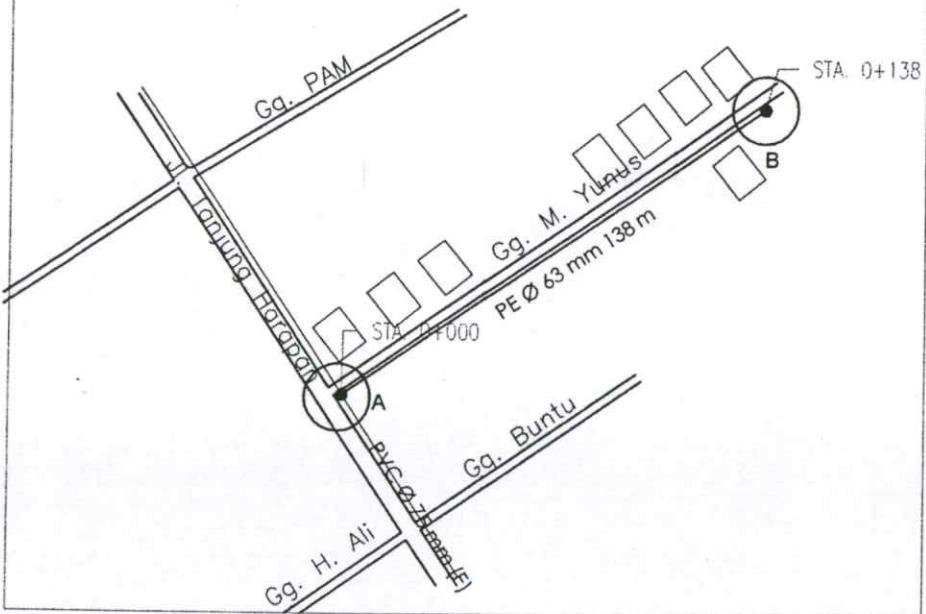
DIGAMBAR	DIPERIKSA
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Andika P. Juru Gambar	Deny Ramdhani, S.ST. Pengawali	Yessy Triana, S.Si Pengawali 2
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DIKETAHUI	DISETUJUI
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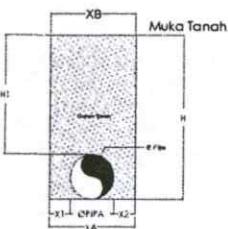
Suryanto, Andi Direksi Pekerjaan	Abdullah, S. ST Direktur Teknik
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Denah Situasi



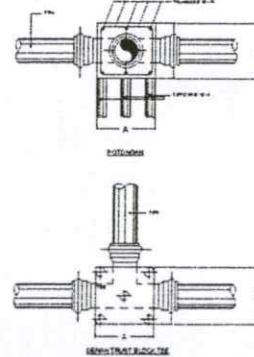
Ø Pipa	X1/2	Lebar Galian	Dalam Galian	Volume
17,50	40,00	-	55,00	0,046
22	42,00	-	42,90	0,044
25	42,00	-	70,00	0,044
300	44,00	-	56,00	0,046
150	44,00	-	95,00	0,046
		-	110,00	0,046

Thickness	A	B	C	D	E	F	G
15x75	2,40	0,10	0,10	0,10	0,10	0,10	0,10
15x20	2,40	0,10	0,10	0,10	0,10	0,10	0,10
15x80	2,40	0,10	0,10	0,10	0,10	0,10	0,10



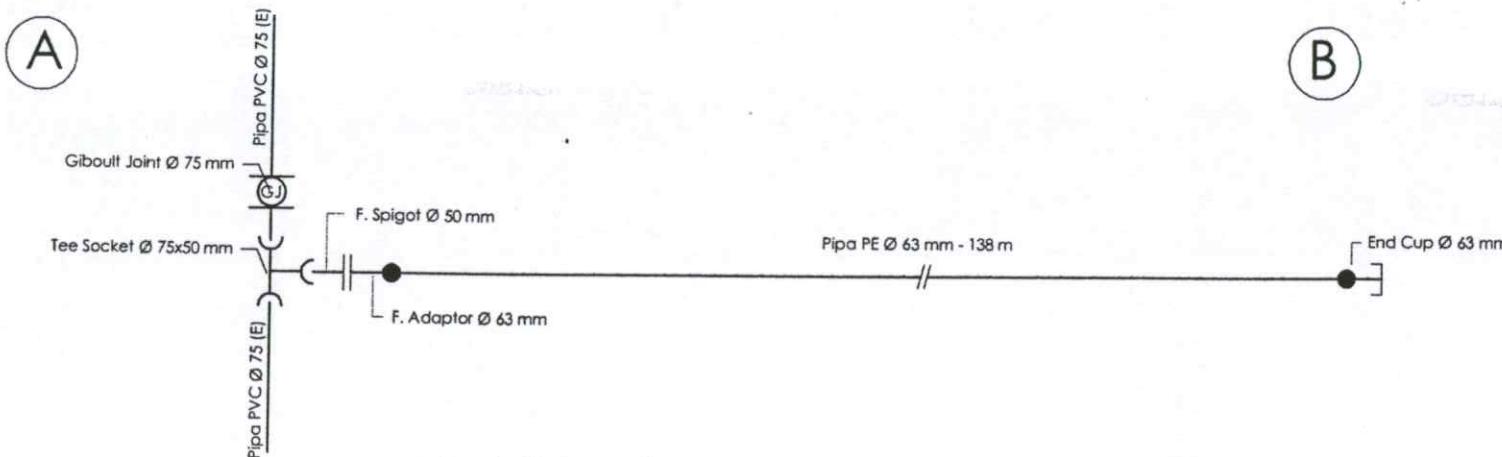
Detail Galian Pipa

SKALA : TS



Detail Trust Block Tee

SKALA : TS



Detail Junction

SKALA : TS

KETERANGAN

PELAKSANA PEKERJAAN
CV. MUTIARA KHATULISTIWA
Jl. Gajah Mada No. 151/155 Pontianak

NAMA PEKERJAAN
Pengembangan Jaringan Pipa Distribusi Tertier
Pontianak Timur
Lokasi : Jl. Tanjung Harapan Gg. M. Yunus
Pontianak Timur

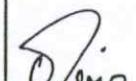
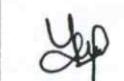
AS BUILD DRAWING

NAMA GAMBAR

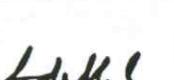
Situasi & Detail

TAHUN	SKALA	NO. GBR	JML. GBR
2018	NTS	18	34

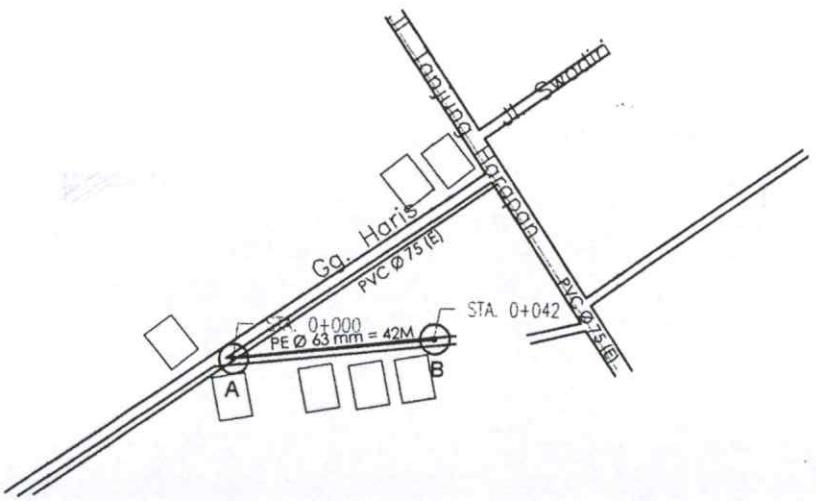
DIGAMBAR DIPERIKSA

		
Andika P. Juru Gambar	Deny Romdhoni, S.T. Pengawas 1	Yessy Triana, S.Si Pengawas 2

DIKETAHUI DISETUJUI

	
Suryanto, Amd Direksi Pekerjaan	Abdullah, S.T. Direktur Teknik

Denah Situasi

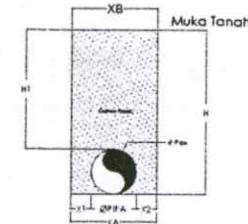


TABEL GALIAN PPA

D. Pipa	x1/02	Lebar Galian	Dalam Galian	Volume	
(mm)	(cm)	X1/X2	Xc/Xd	H	(m3/m)
50	12,50	40,00	-	50,00	0,540
75	17,25	40,00	-	42,00	0,700
100	17,20	44,00	-	80,00	0,734
150	14,50	48,00	-	90,00	0,528

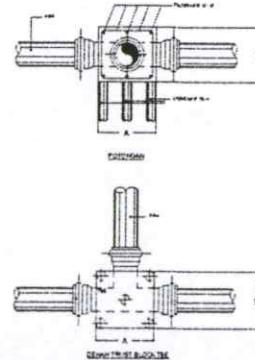
TABEL TRUSH BLOCK TEE

dimensi	A mm	B mm	C mm	D mm	E mm	F mm
PE + 75	5,40	2,26	0,38	0,76	0,27	
75 + 75	5,35	2,26	0,38	2,72	0,14	
100 + 100	5,35	2,26	0,38	4,72	0,14	



Detail Galian Pipa

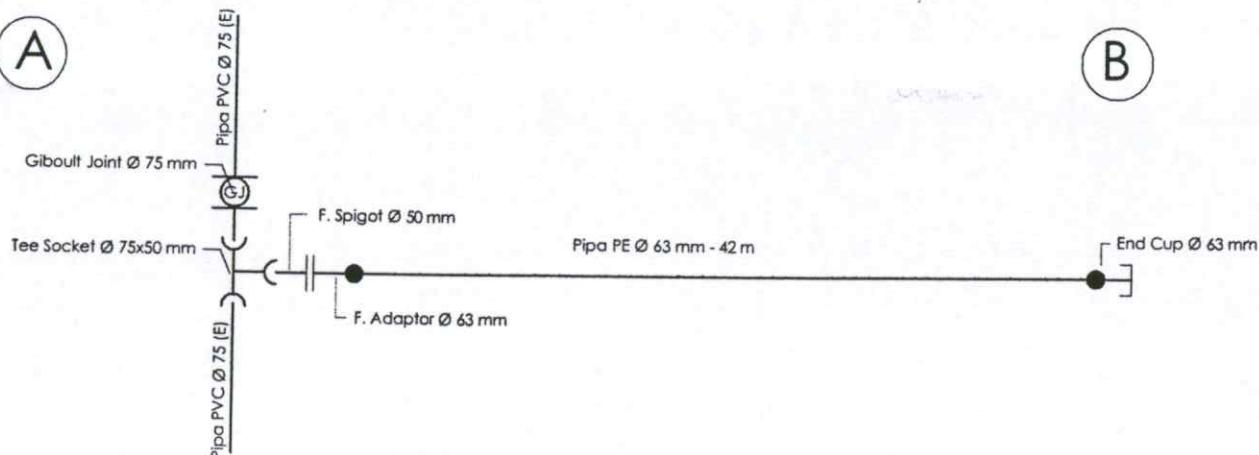
SKALA : TS



Detail Trust Block Tee

SKALA : TS

A



B

Detail Junction

SKALA : TS

KETERANGAN

PELAKSANA PEKERJAAN
CV. MUTIARA KHATULISTIWA
Jl. Gajah Mada No. 151/155 Pontianak

NAMA PEKERJAAN
Pengembangan Jaringan Pipa Distribusi Tertier
Pontianak Timur
Lokasi : Jl. Tanjung Harapan Gg. H. Haris
Pontianak Timur

AS BUILD DRAWING

NAMA GAMBAR

Situasi & Detail

TAHUN	SKALA	NO. GBR	JML. GBR
2018	NTS	19	34

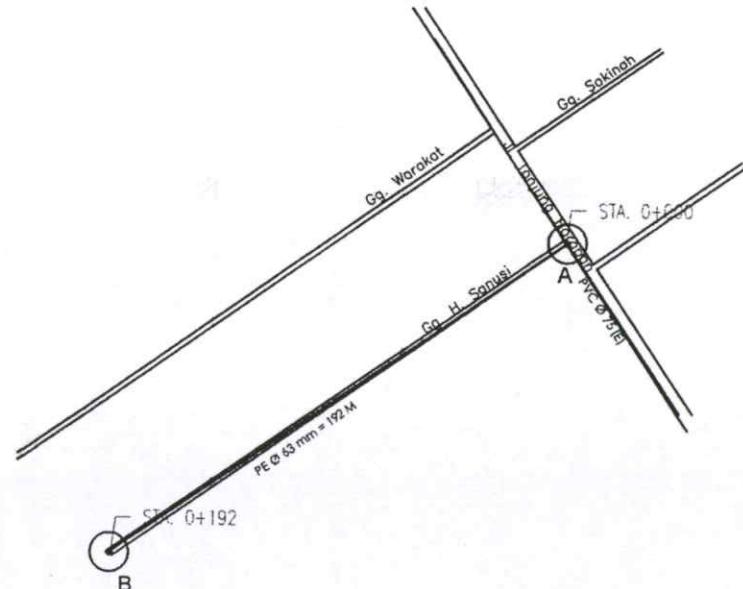
DIGAMBAR DIPERIKSA

Andika P. Juru Gambar	Deny Komardiyah, S.Si Pengawal 1	Yessy Triana, S.Si Pengawas 2
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DIKETAHUI DISETUJUI

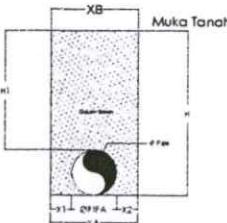
Suryanto, Amd Direksi Pekerjaan	Abdullah, S.T. Direktur Teknik
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Denah Situasi



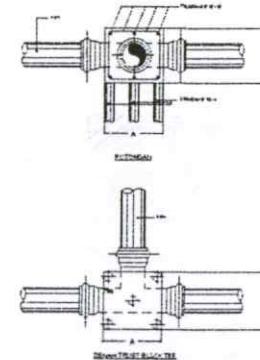
TABEL GALIAN PIPA					
Ø Pipa	SL:R2	Lebar Gali	Dalam Gali	Volume	
(mm)	(cm)	X A/D	H	(m³/m)	
50	17,50	46,00	-	65,00	0,07
75	17,25	42,00	-	62,50	0,24
100	17,00	44,00	-	80,00	0,34
125	14,50	36,00	-	90,00	0,55

TABEL TRUSH BLOCK TEE					
Ø Pipa	A	B	C	D	E
75x75	6,40	2,30	0,36	4,30	9,27
75x60	6,30	2,30	0,36	4,30	9,14
100x100	8,00	2,30	0,36	4,30	11,14



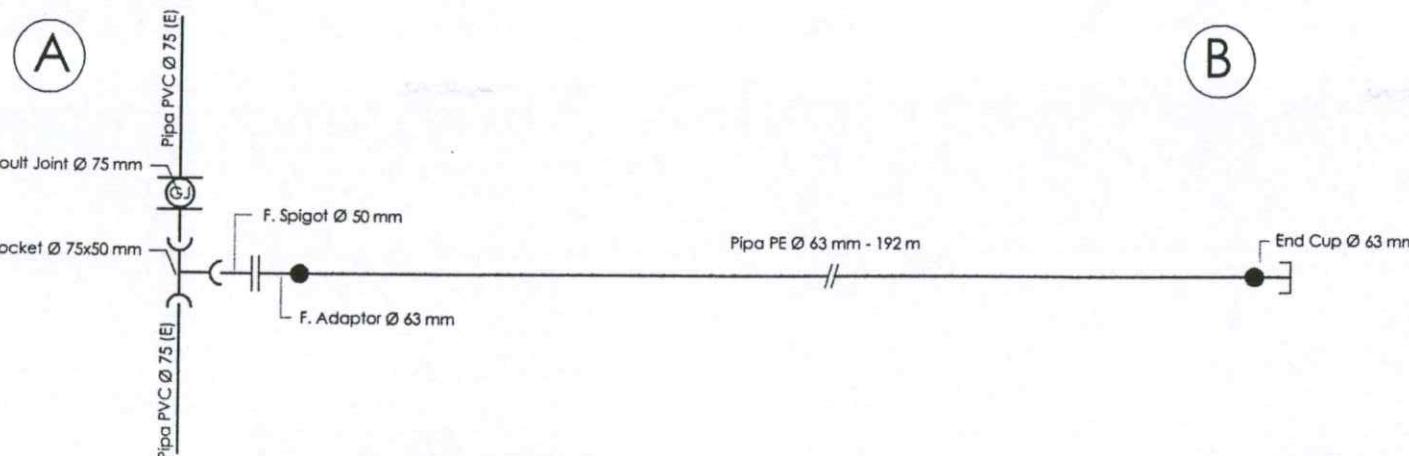
Detail Galian Pipa

SKALA : TS



Detail Trush Block Tee

SKALA : TS



Detail Junction

SKALA : TS

KETERANGAN

PELAKSANA PEKERJAAN
CV. MUTIARA KHATULISTIWA
Jl. Gajah Mada No. 151/155 Pontianak

NAMA PEKERJAAN
Pengembangan Jaringan Pipa Distribusi Tertier
Pontianak Timur
Lokasi : Jl. Tanjung Harapan Gg. H. Sanusi
Pontianak Timur

AS BUILD DRAWING

NAMA GAMBAR

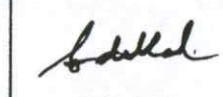
Situasi & Detail

TAHUN	SKALA	NO. GBR	JML. GBR
2018	NTS	20	34

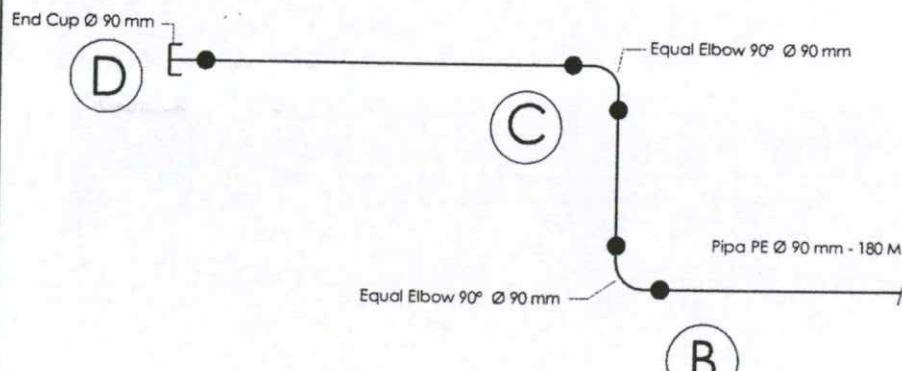
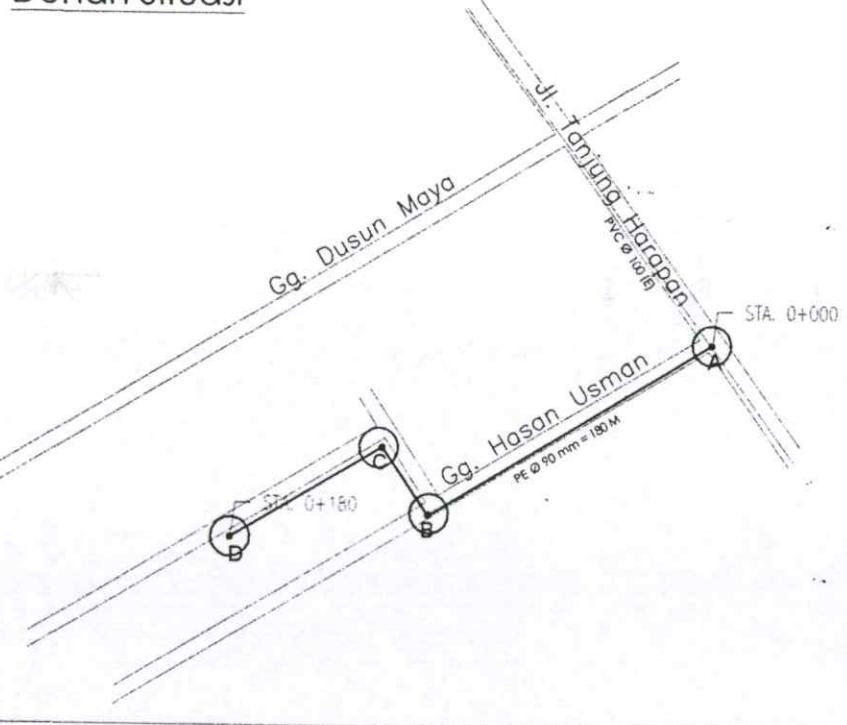
DIGAMBAR DIPERIKSA

		
Andika P. Juru Gambar	Deny Ramdhani, S.ST Fengawas 1	Yessy Triana, S.Si Pengawas 2

DIKETAHUI DISETUJUI

	
Suryanto, Amz Direksi Pekerjaan	Abdullah, S. ST Direktur Teknik

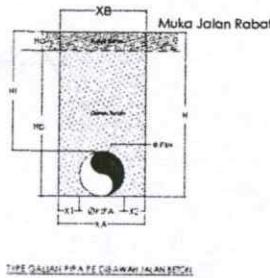
Denah Situasi



Detail Junction

SKALA : TS

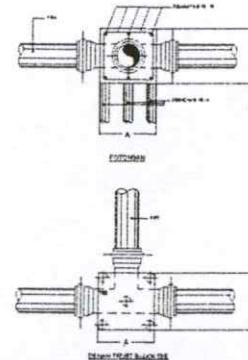
D. Fld	A1/B2	Leng	DALAM GALIAN (CM)			VOL (m³)	Vol Pipa (m³)
			Hd	HD	HI		
50	17,86	45,00	10,00	50,00	45,00	0,023	0,041
75	17,26	45,00	10,00	45,00	41,80	0,036	0,046
100	17,06	44,00	10,00	45,00	40,20	0,040	0,048
150	14,90	45,00	10,00	45,00	9,00	0,100	0,480



Detail Galian Pipa

SKALA : TS

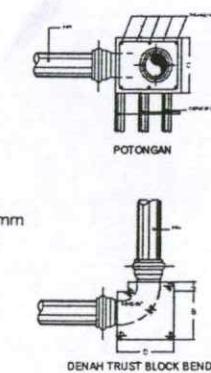
TABEL TRUSH BLOCK TEE							
Diameter	A (cm)	B (cm)	C (cm)	D (cm)	E (cm)	F (cm)	G (cm)
75 x 75	9,45	0,35	7,2	1,0			0,17
75 x 90	9,35	0,35	8,8	1,0			0,14
100 x 90	9,35	0,35	10,8	1,0			0,14



Detail Trust Block Tee

SKALA : TS

TABEL TRUSH BLOCK BEND 90°					
Diameter	A (cm)	B (cm)	C (cm)	W (cm)	H (cm)
				Bend 90°	E
75	0,15	0,05	0,35	0,07	0,30
90	0,16	0,05	0,25	0,09	0,17



Detail Trust Bend 90°

SKALA : TS

KETERANGAN

PELAKSANA PEKERJAAN


CV. MUTIARA KHATULISTIWA
Jl. Gajah Mada No. 151/155 Pontianak

NAMA PEKERJAAN

Pengembangan Jaringan Pipa Distribusi Tertier
Pontianak Timur

Lokasi : Jl. Tanjung Harapan Gg. Hasan Usman
Pontianak Timur

AS BUILD DRAWING

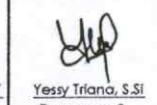
NAMA GAMBAR

Situasi & Detail

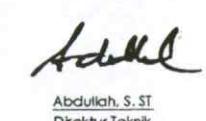
TAHUN	SKALA	NO. GBR	JML. GBR
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2018	NTS	21	34
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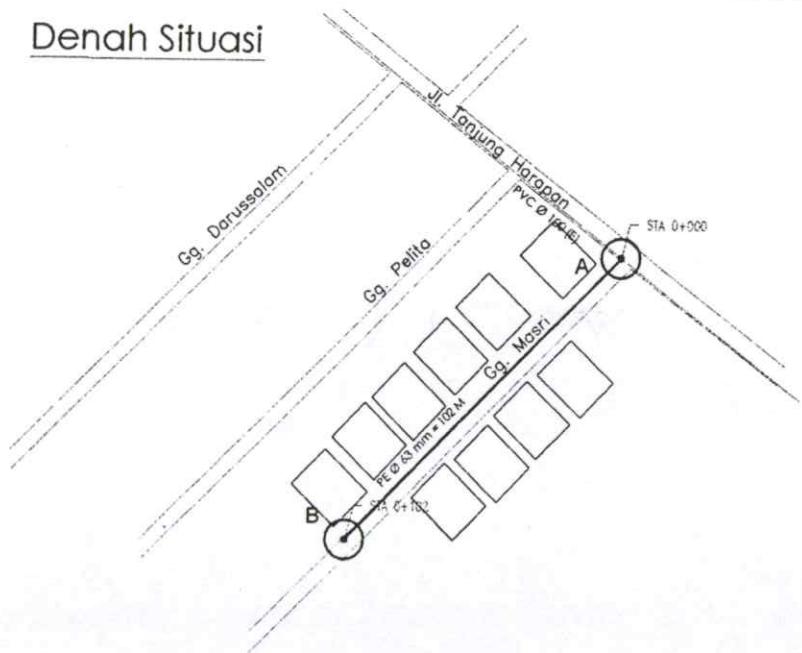
DIGAMBAR	DIPERIKSA
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Andika P. Juru Gambar	Deny Ramdhani, S.Si. Pengawas	Yessy Triana, S.Si. Pengawas

DIKETAHUI	DISETUJUI
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Suryanto, Amd. Direksi Pekerjaan	Abdullah, S.T. Direktur Teknik

Denah Situasi

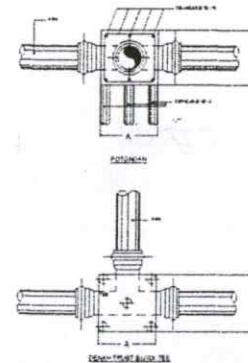


TABEL GALIAN PIPA

Ø Pipa	x1/42	Lebar	DALAM GALIAN (cm)		Vol	Vol
			XA/18	HD		
50	17.50	40.00	10.00	50.00	55.00	0.000
75	17.50	42.00	10.00	40.00	42.80	0.000
100	17.00	44.00	10.00	40.00	40.00	0.000
150	14.50	48.00	15.00	70.00	90.00	0.000

TABEL TRUSH BLOCK TEE

Pembatas	T	A	B	C	S1 MM	
					S2 MM	S3 MM
75 x 75	2.45	0.38	0.38	2.00	6.12	
75 x 90	2.35	0.38	0.38	2.00	6.14	
90 x 90	2.35	0.38	0.38	2.00	6.14	

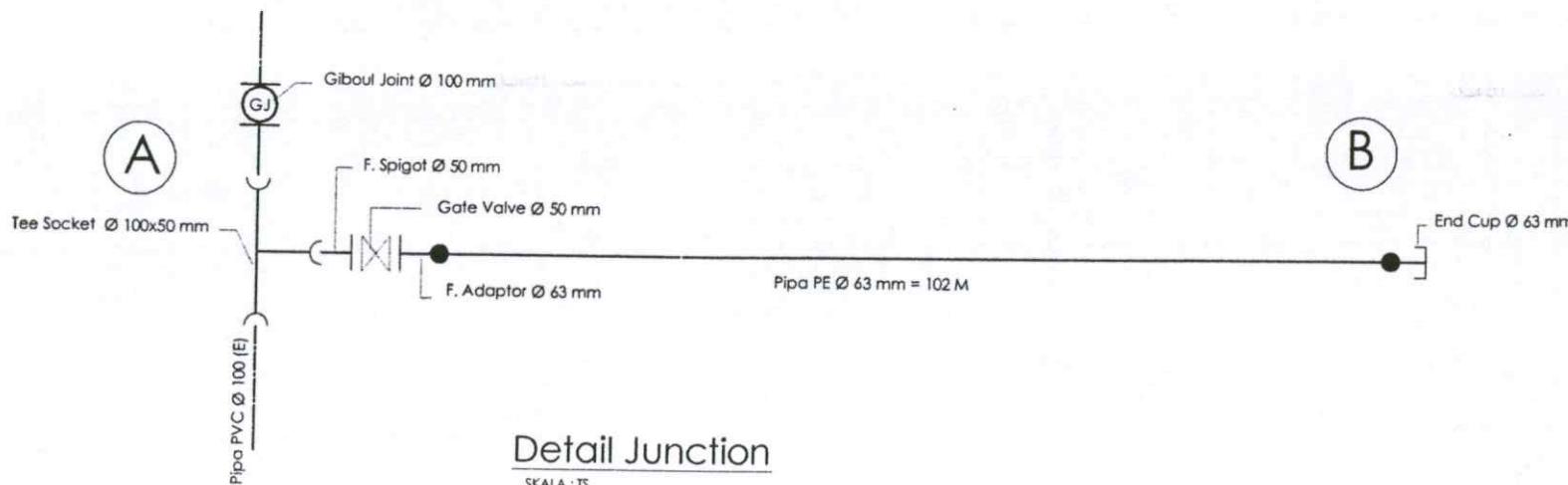


Detail Galian Pipa

SKALA : TS

Detail Trust Block Tee

SKALA : TS



Detail Junction

SKALA : TS

KETERANGAN

PELAKSANA PEKERJAAN



NAMA PEKERJAAN

Pengembangan Jaringan Pipa Distribusi Tertier
Pontianak Timur

Lokasi : Jl. Tanjung Harapan Gg. Masri
Pontianak Timur

AS BUILD DRAWING

NAMA GAMBAR

Situasi & Detail

TAHUN	SKALA	NO. GBR	JML. GBR
2018	NTS	22	34

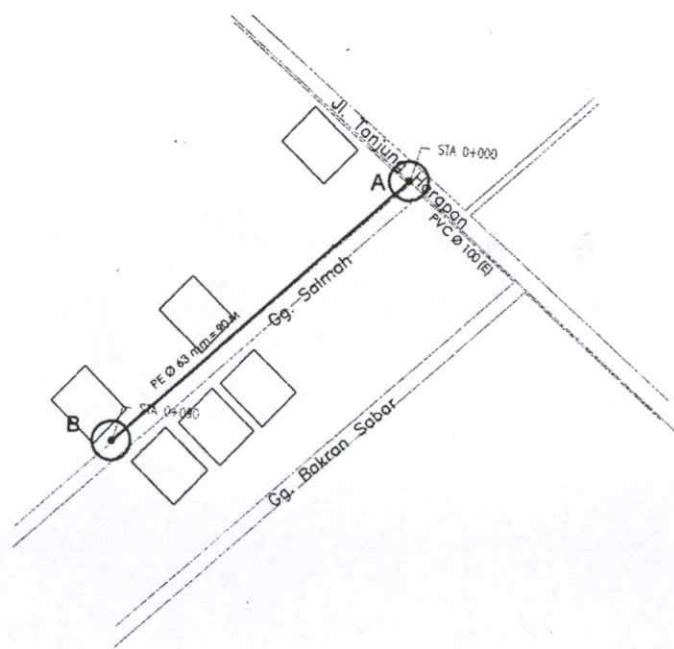
DIGAMBAR DIPERIKSA

Andika P. Juru Gambar	Deny Ramdhani, S.Si Pengawas 1	Yessy Triana, S.Si Pengawas 2
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DIKETAHUI DISETUJUI

Suryanto, Amd Direksi Pekerjaan	Abdullah, S. ST Direktur Teknik
------------------------------------	------------------------------------

Denah Situasi

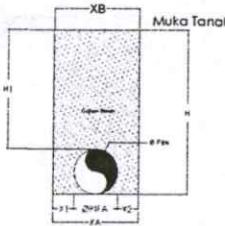


TABEL GALIAN PIPA

ID. Posisi	X1/Z1	Lebar Galian	Dalam Galian	Volume		
Ukuran	SCM	x A/B	x C/D	H	R	(m³/m)
95	17.50	40.00	-	55.00	65.00	0.240
15	17.25	42.00	-	52.80	71.00	0.24
100	17.00	44.00	-	60.00	95.00	0.346
150	16.50	46.00	-	60.00	115.00	0.356

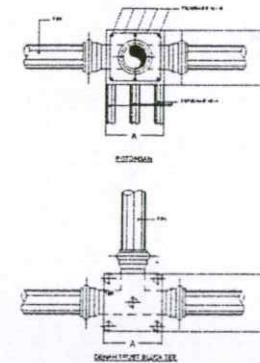
TABEL TRUSH BLOCK TEE

Dimension	A	B	C	D	E	F
75x75	2.00	1.70	0.70	0.10	0.27	
75x50	1.80	0.80	0.70	0.10	0.14	
50x50	0.70	0.70	0.70	0.10	0.14	



Detail Galian Pipa

SKALA : TS



Detail Trust Block Tee

SKALA : TS

KETERANGAN

PELAKSANA PEKERJAAN

CV. MUTIARA KHATULISTIWA
Jl. Gajah Mada No. 151/155 Pontianak

NAMA PEKERJAAN

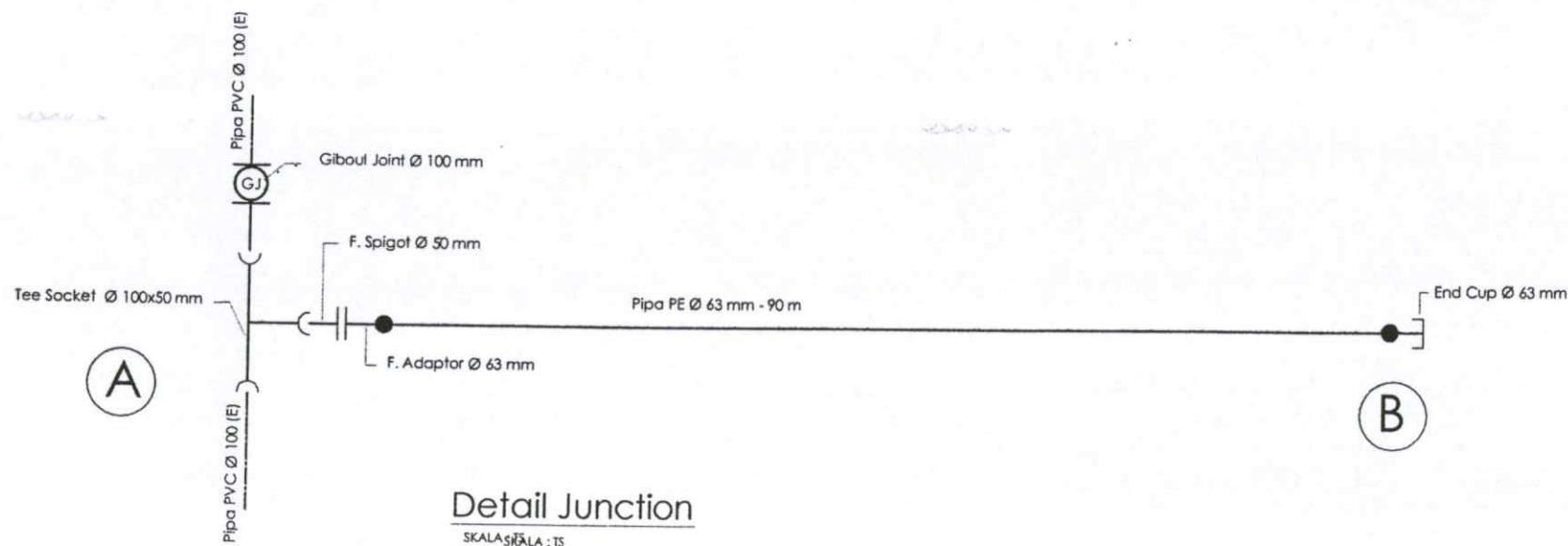
Pengembangan Jaringan Pipa Distribusi Tertier
Pontianak Timur

Lokasi : Jl. Tanjung Harapan Gg. Salmah
Pontianak Timur

AS BUILD DRAWING

NAMA GAMBAR

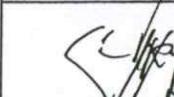
Situasi & Detail



TAHUN	SKALA	NO. GBR	JML. GBR
2018	NTS	23	34

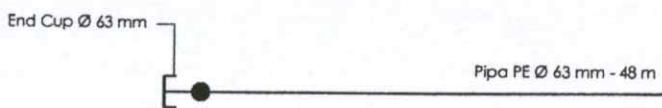
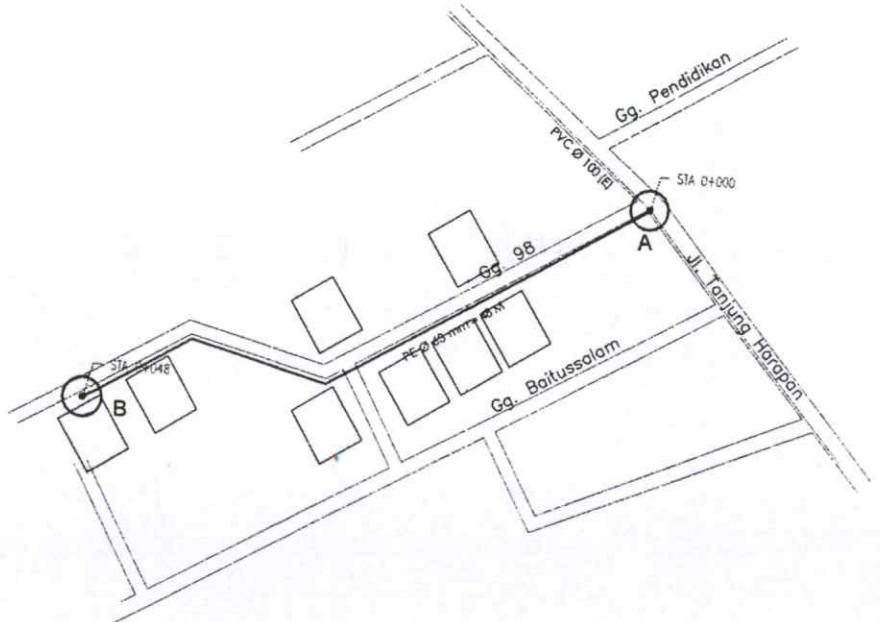
DIGAMBAR	DIPERIKSA
	

Andika P. Juru Gambar	Deny Ramdhani, S.Si Pengawas 1	Yessy Triana, S.Si Pengawas 2
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DIKETAHUI	DISETUJUI
	

Suryanto, Ami Direksi Pekerjaan	Abdullah, S.T. Direktur Teknik
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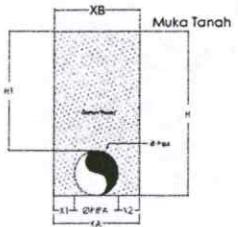
Denah Situasi



Detail Junction

SKALA : TS

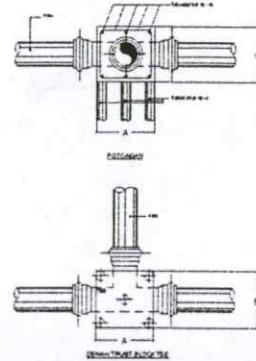
TABEL GALIAN PIPA				
Ø Pipa	X1/p2	Latar Galian	Dalam Galian	Volume
63	17,50	40,00	55,00	0,00 (0,24)
75	17,75	40,00	52,50	0,24
100	17,00	40,00	60,00	0,326
150	16,50	40,00	90,00	0,528



Detail Galian Pipa

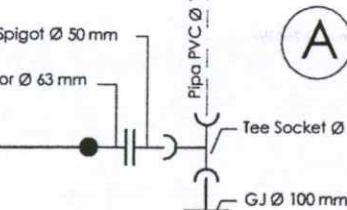
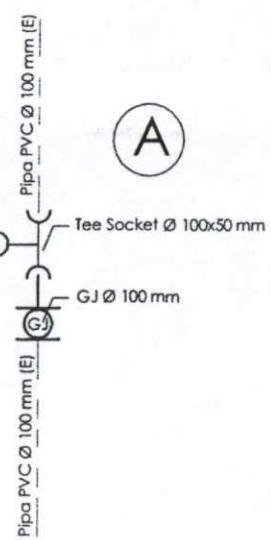
SKALA : TS

TABEL TRUSH BLOCK TEE					
Dimension	A	B	C	D	E
15 x 25	8,45	8,75	8,25	0,50	0,27
25 x 35	8,35	8,25	8,25	0,50	0,14
35 x 50	8,35	8,25	8,25	0,50	0,14



Detail Trush Block Tee

SKALA : TS



Detail Junction

SKALA : TS

KETERANGAN

PELAKSANA PEKERJAAN
CV. MUTIARA KHATULISTIWA
Jl. Gajah Mada No. 151/155 Pontianak

NAMA PEKERJAAN
Pengembangan Jaringan Pipa Distribusi Tertier
Pontianak Timur

Lokasi : Jl. Tanjung Harapan Gg. 98
Pontianak Timur

AS BUILD DRAWING

NAMA GAMBAR

Situasi & Detail

TAHUN	SKALA	NO. GBR	JML. GBR
2018	NTS	24	34

DIGAMBAR DIPERIKSA

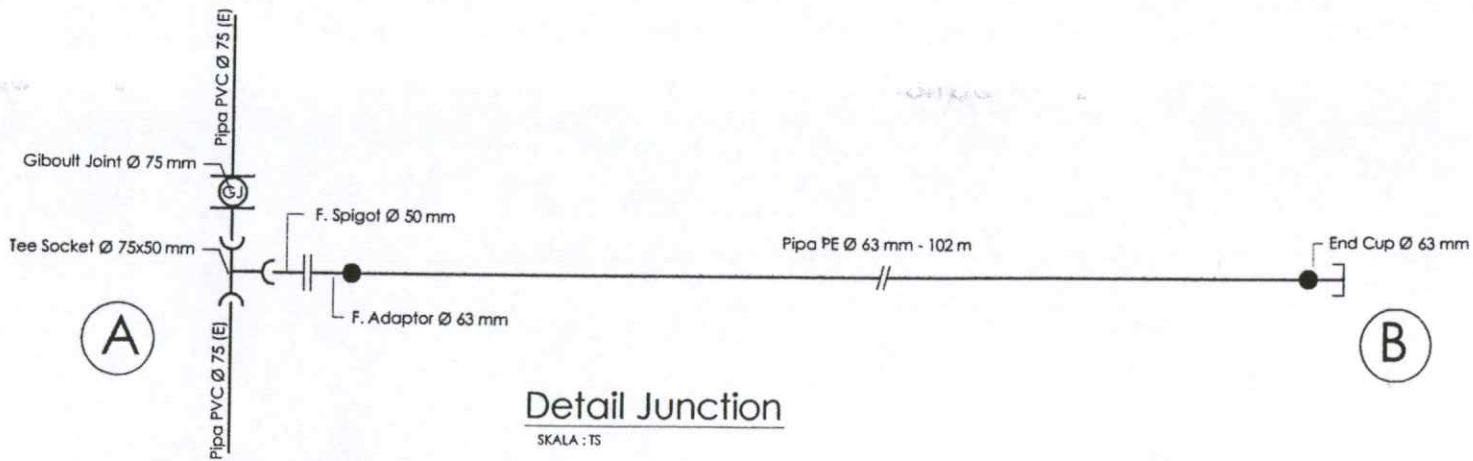
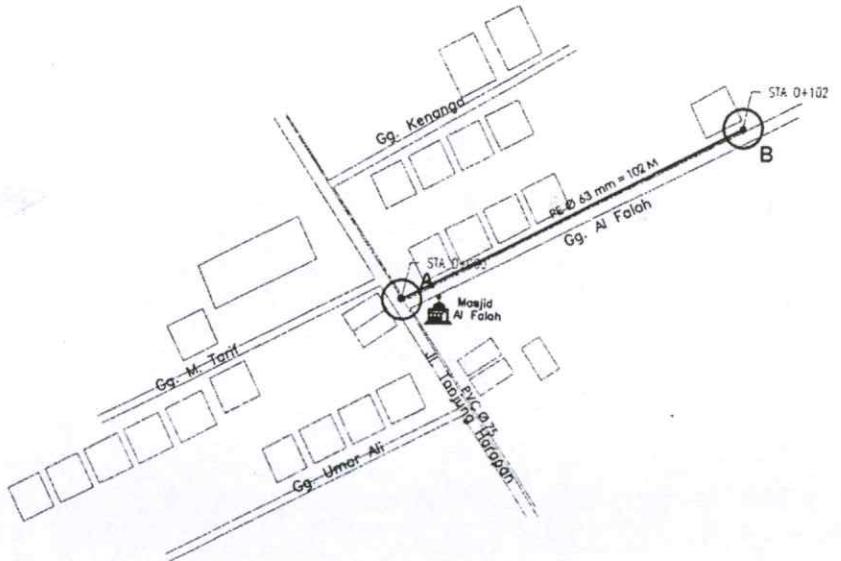
Andika P. Juru Gambar	Dery Ramdhani, S.T. Pengawas 1	Yessy Triana, S.Si Pengawas 2
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DIKETAHUI DISETUJUI

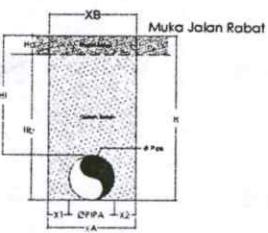
Suryanto, Amd Direksi Pekerjaan	Abdullah, S. ST Direktur Teknik
------------------------------------	------------------------------------

V

Denah Situasi



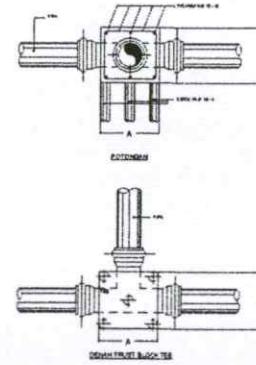
TABEL GALIAN PPA						
D Pipa	21/22	Lebar	DALAM GALIAN (CM)	VOL	VOL	RISIKO
mm	cm	KA/DB	H2	m3	m3/m2	
50	17,50	40,00	10,00	50,00	0,200	0,040
75	17,25	42,00	10,00	45,00	0,205	0,040
100	17,00	44,00	10,00	40,00	0,205	0,044
150	14,50	49,00	10,00	90,00	0,480	0,060



Detail Galian Pipa

SKALA : TS

TABEL TRUSH BLOCK TEE						
PIPE SIZE	W	H	L	W	H	L
75x75	0,36	0,36	0,46	-	-	0,27
75x90	0,36	0,36	0,46	-	-	0,24
90x90	0,36	0,36	0,46	-	-	0,24



Detail Trust Block Tee

SKALA : TS

KETERANGAN

PELAKSANA PEKERJAAN
CV. MUTIARA KHATULISTIWA
Jl. Gajah Mada No. 151/155 Pontianak

NAMA PEKERJAAN
Pengembangan Jaringan Pipa Distribusi Tertier
Pontianak Timur

Lokasi : Jl. Tanjung Harapan Gg. Al Falah
Pontianak Timur

AS BUILD DRAWING

NAMA GAMBAR

Situasi & Detail

TAHUN	SKALA	NO. GBR	JML. GBR
2018	NTS	25	34

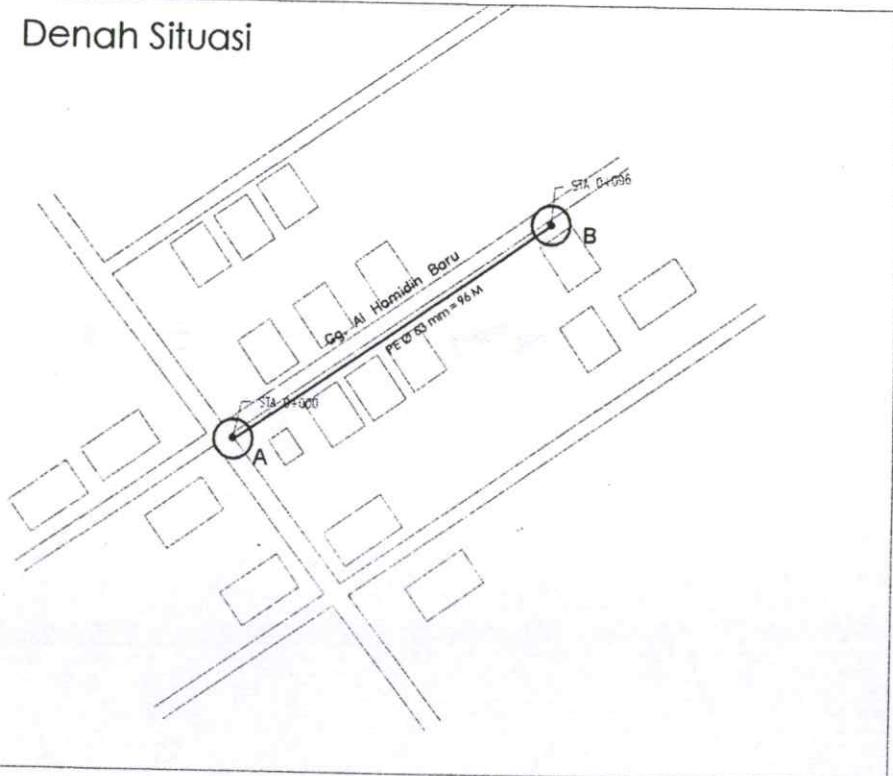
DIGAMBAR DIPERIKSA

		
Andika P. Juru Gambar	Deny Kamdhewi S.S.T. Pengawali	Yessy Triana, S.S.I. Pengawali

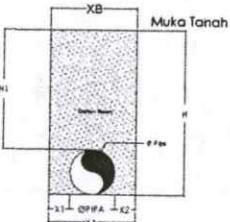
DIKETAHUI	DISETUJU
	

Suryanto, Amo
Direksi Pekerjaan
Abdullah, S.S.T.
Direktur Teknik

Denah Situasi



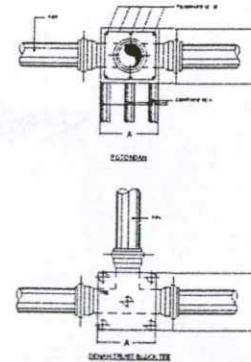
Ø Pipa	X1/2	Labor Galian	Dalam Galian	Volumen
mm	(cm)	X ALB	X C/ID	m³/m
50	17,40	40,00	-	25,00
75	17,25	42,00	-	42,50
100	17,00	44,00	-	60,00
150	16,00	48,00	-	90,00



Detail Galian Pipa

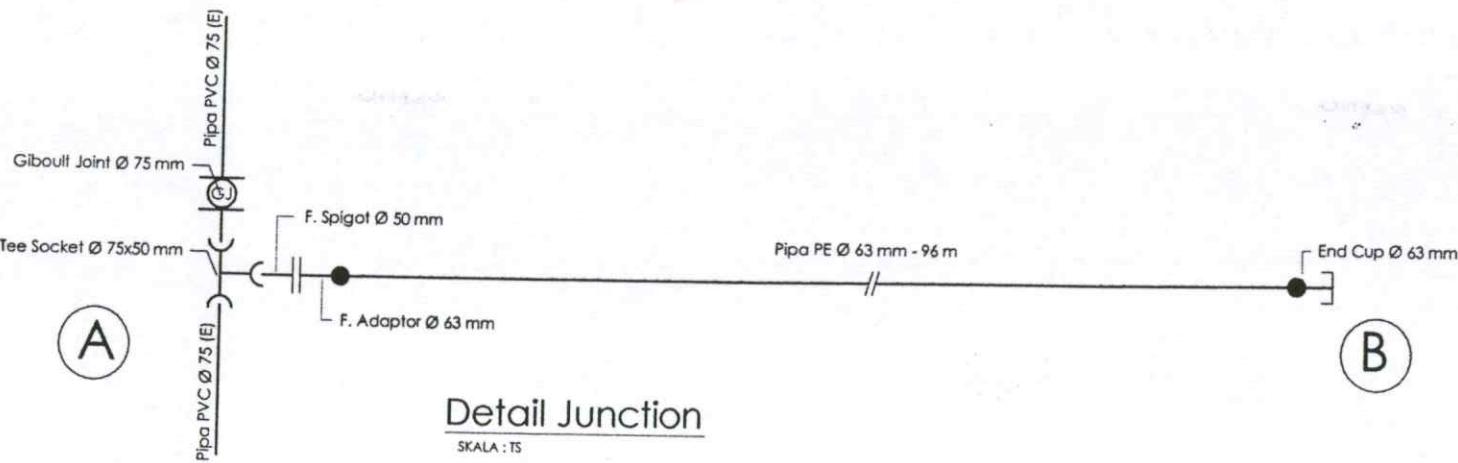
SKALA : TS

Ø Pipa	A	B	C	d _{min}	A ₁	A ₂	H ₁	H ₂	H ₃
75 + 75	6,40	2,30	0,30	0,16	2,37				
75 + 75	6,35	2,30	0,26	0,12	2,14				
90 + 90	6,30	2,26	0,26	0,12	2,14				



Detail Trust Block Tee

SKALA : TS



Detail Junction

SKALA : TS

KETERANGAN

PELAKSANA PEKERJAAN

CV. MUTIARA KHATULISTIWA
Jl. Gajah Mada No. 151/155 Pontianak

NAMA PEKERJAAN

Pengembangan Jaringan Pipa Distribusi Tertier
Pontianak Timur

Lokasi : Jl. Tanjung Harapan Gg. Al-Hamidin Baru
Pontianak Timur

AS BUILD DRAWING

NAMA GAMBAR

Situasi & Detail

TAHUN	SKALA	NO. GBR	JML. GBR
2018	NTS	26	34

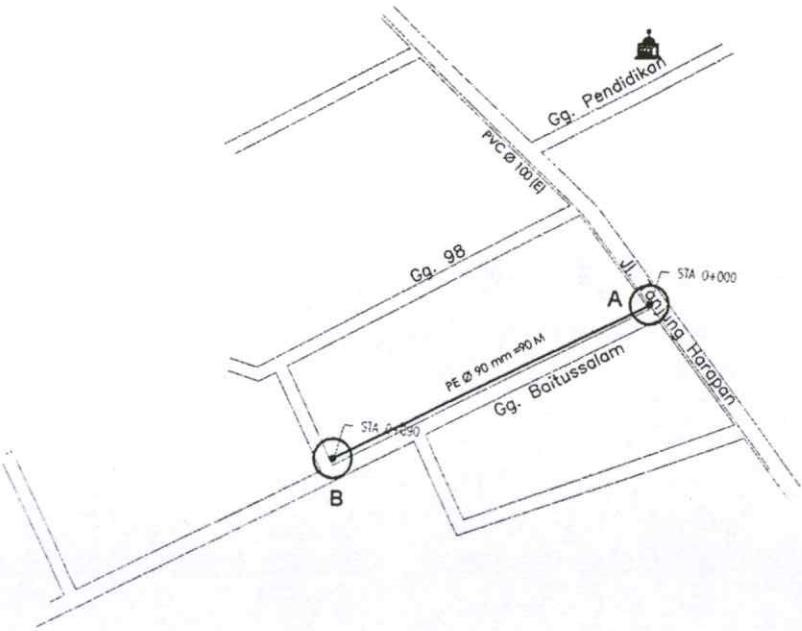
DIGAMBAR DIPERIKSA

Andika P. Juru Gambar	Deny Ramdhani S.S.T Pengawas I	Yessy Triana, S.Si Pengawas II

DIKETAHUI DISETUJUI

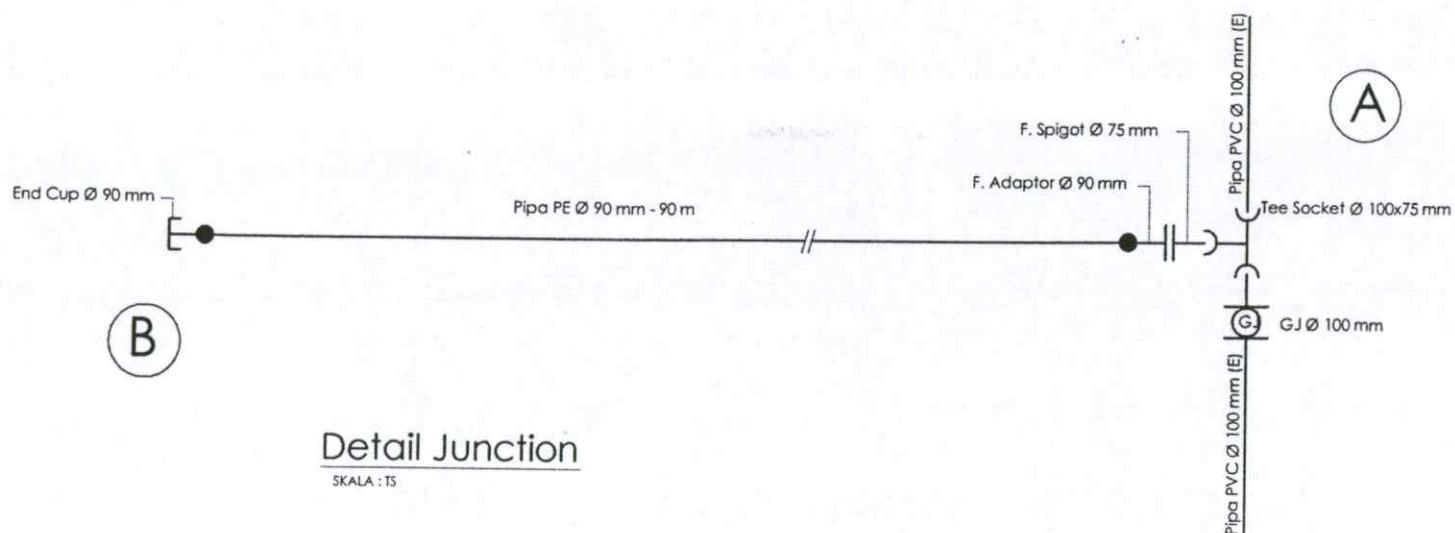
Suryanto, Amz Direksi Pekerjaan	Abdullah, S.T. Direktur Teknik

Denah Situasi



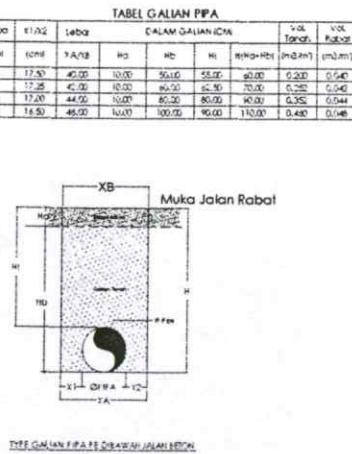
Detail Junction

SKALA : TS



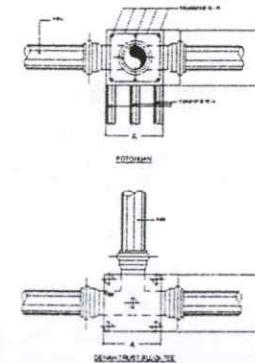
Detail Galian Pipa

SKALA : TS



TABEL GALIAN PIPA						
Ø Pipa	Tinggi	Lebar	DALAM GALIAN (CM)		VOL. Tanah (m³/cm³)	VOL. Pipa (m³/cm³)
			H	HD		
50	17,50	40,00	10,00	25,00	0,025	0,045
75	17,25	41,00	10,00	25,00	0,025	0,045
100	17,20	44,00	10,00	30,00	0,025	0,044
150	16,50	46,00	10,00	30,00	0,025	0,046

TABEL TRUST BLOCK TEE					
Diameter	L	W	H	H1	H2
75 x 75	1,40	1,20	2,00	1,40	1,20
75 x 90	2,00	1,20	2,20	1,60	0,60
90 x 90	2,40	1,20	2,20	1,60	0,60



Detail Trust Block Tee

SKALA : TS

KETERANGAN

PELAKSANA PEKERJAAN

 CV. MUTIARA KHATULISTIWA
Jl. Gajah Mada No. 151/155 Pontianak

NAMA PEKERJAAN

Pengembangan Jaringan Pipa Distribusi Tertier
Pontianak Timur

Lokasi : Jl. Tanjung Harapan Gg. Baitussalam
Pontianak Timur

AS BUILD DRAWING

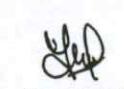
NAMA GAMBAR

Situasi & Detail

TAHUN	SKALA	NO. GBR	JML. GBR
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2018	NTS	27	34
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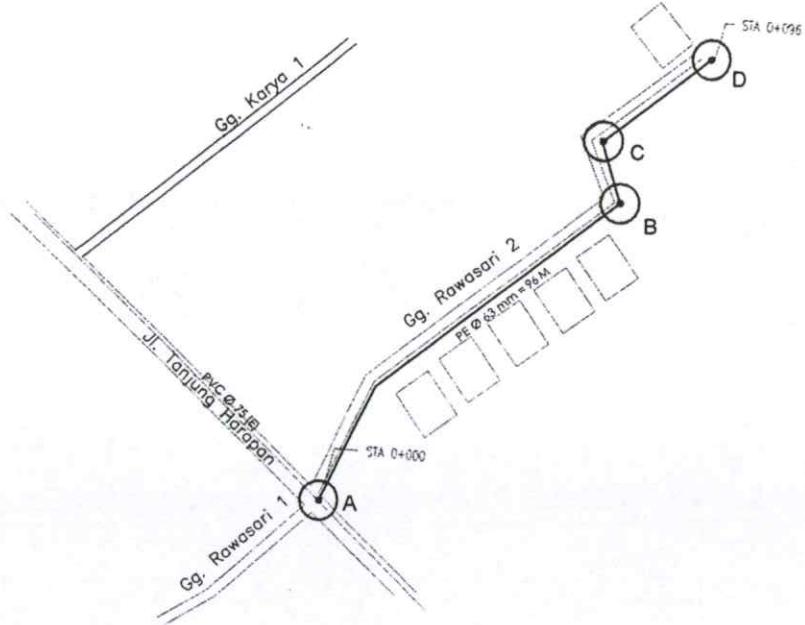
DIGAMBAR	DIPERIKSA
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Andika P. Juru Gambar	Deny Ramdani, S.Si Pengawas 1	Yessy Triana, S.Si Pengawas 2

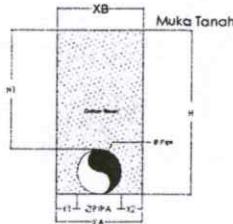
DIKETAHUI	DISETUJUI
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Suryanta, Amd Direksi Pekerjaan	Abdullah, S.T Direktur Teknik

Denah Situasi



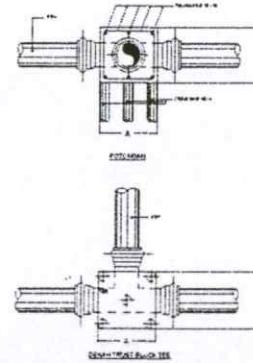
TABEL GALIAN PPA				
ID	SL/HD	Lebar Galian	Dalam. Galian	Volumen
100x1	10x10	X 10x8	H	m³/meti
100x1	10x10	45,00	9,00	0,345
65	17,50	-	-	-
75	17,25	42,00	9,25	0,324
100	17,25	44,00	9,00	0,394
150	16,50	46,00	9,00	0,528



Detail Galian Pipa

SKALA : TS

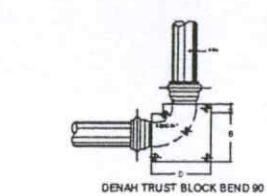
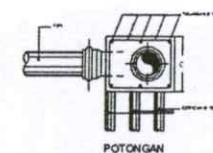
TABEL TRUSH BLOCK TEE				
Dimension	A	B	C	D
11x75	1,40	0,38	0,16	0,29
11x75	1,30	0,38	0,12	0,14
11x75	1,30	0,38	0,12	0,14
15x90	1,30	0,38	0,12	0,14



Detail Trust Block Tee

SKALA : TS

TABEL TRUSH BLOCK BEND 90°				
Dimension	A	B	C	D
75	0,15	0,95	0,35	0,27
80	0,15	0,40	0,25	0,12



Detail Trust Bend 90°

SKALA : TS

KETERANGAN

PELAKSANA PEKERJAAN
CV. MUTIARA KHATULISTIWA
Jl. Gajah Mada No. 151/155 Pontianak

NAMA PEKERJAAN
Pengembangan Jaringan Pipa Distribusi Tertier
Pontianak Timur

Lokasi : Jl. Tanjung Harapan Gg. Rawasari 2
Pontianak Timur

AS BUILD DRAWING

NAMA GAMBAR

Situasi & Detail

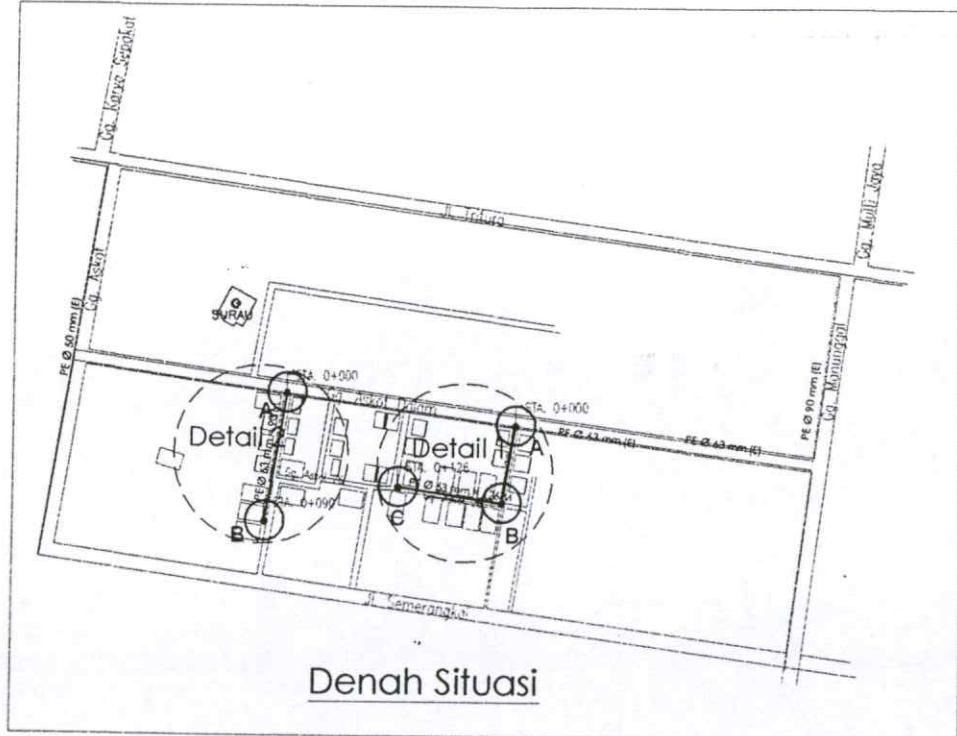
TAHUN	SKALA	NO. GBR	JML. GBR
2018	NTS	28	34

DIGAMBAR DIPERIKSA

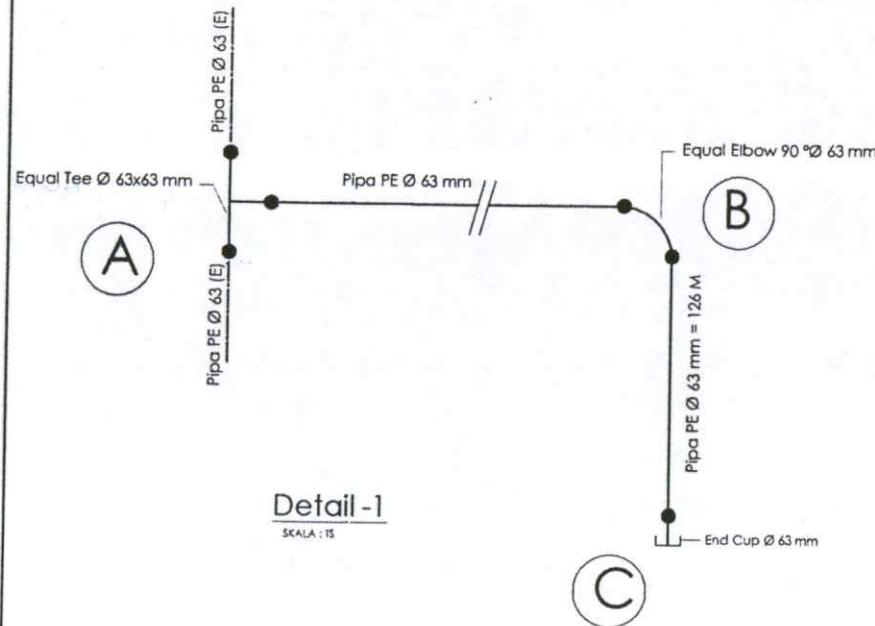
Andika P. Deny Ramdhan, S.Si
Juru Gambar Pengawas 1
Yessy Triana, S.Si
Pengawas 2

DIKETAHUI DISETUJUI

Suryanto, Amb. Abdillah, S.T.
Direksi Pekerjaan Direktur Teknik

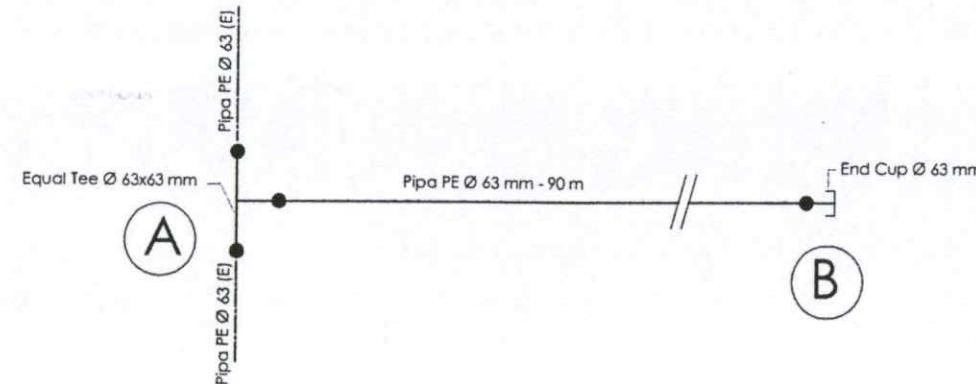


Denah Situasi



Detail -1

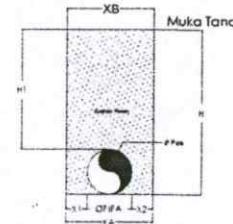
SKALA : TS



Detail - 2

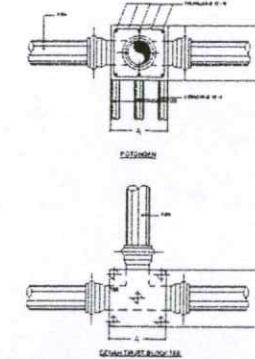
100

TABEL TRUSH BLOCK TEE						
LENGKAP (mm)	A	B	C	D (mm)	E (mm)	F (mm)
Ø 75 mm						
75 x 75	0.45	0.36	0.36	9.06	—	0.1
75 x 50	0.36	0.26	0.26	6.02	—	0.1
Ø 90 mm						
90 x 75	0.75	0.36	0.36	10.42	—	0.1



Detail Galian Pipa

SKALA : T



Detail Trust Block Tee

SKAIA -

KETERANGAN

PELAKSANA PEKERJAAN
CV. MUTIARA KHATULISTIWA
Jl. Gajah Mada No. 151/155 Pontianak

NAMA PEKERJAAN

Pengembangan Jaringan Pipa Distribusi Tertier Pontianak Timur

Lokasi : Jl. Tritura Gg. Askot 26
Pontianak Timur

NAMA GAMBAR

Situasi & Detail

TAHUN	SKALA	NO. GBR	JML. GBR
2018	NTS	29	34

DIGAMBAR DIPERIKSA

1

Andika P. Deny Ramdhan
Juru Gambar Pengawas

Juru Gambar Pengawas I

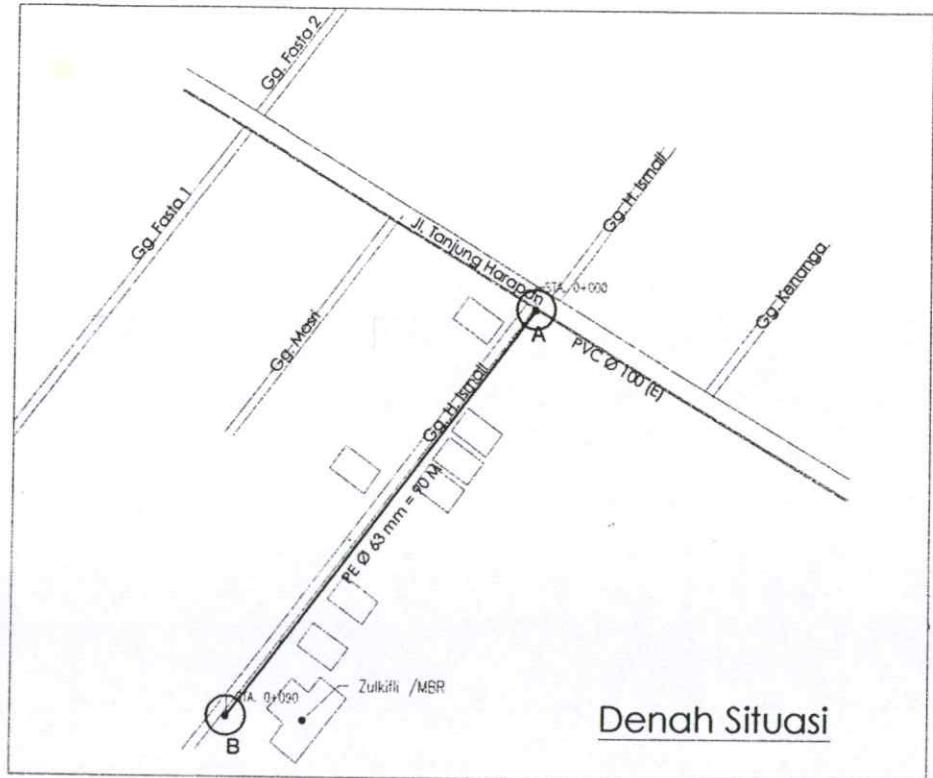
DIKETAHUI

Jeff

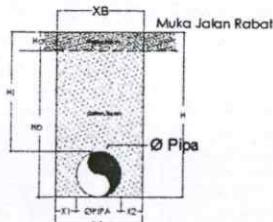
YOUNG & S.

Pengawas 2

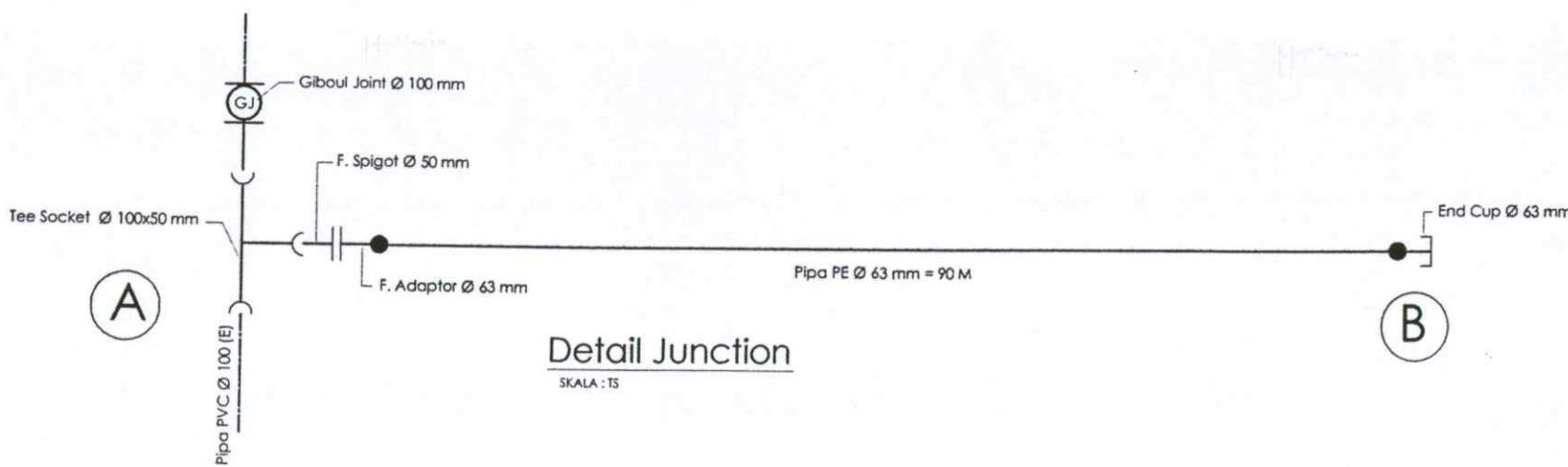
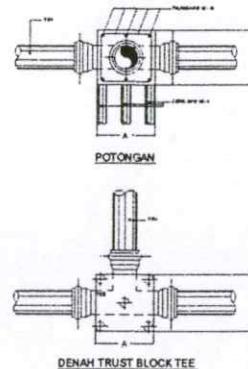
Sabillah
Abdullah, S. ST
Diklatku Terampil



Ø Pipa [mm]	X1/X2 [cm]	Lebar [cm]	DALAM GALIAN [CM]			VOL. Tangki [m³]	VOL. Rongga [m³]
			X1	X2	H		
60	17,80	46,00	10,00	50,00	56,00	0,000	0,040
75	17,25	42,00	10,00	42,50	70,00	0,026	0,042
100	17,00	44,00	10,00	30,00	80,00	0,032	0,044
150	16,50	46,00	10,00	100,00	90,00	0,400	0,048



Diameter	A	B	C	TABEL TRUSH BLOCK TEE		
				DPFA	KA	RB
75 x 75	4,45	1,38	1,32	0,09	0,27	
75 x 90	2,18	1,34	1,26	0,02	0,14	
100 x 100	2,18	1,34	1,26	0,02	0,14	
100 x 120	2,18	1,34	1,26	0,02	0,14	



KETERANGAN

PELAKSANA PEKERJAAN

CV. MUTIARA KHATULISTIWA
Jl. Gajah Mada No. 151/155 Pontianak

NAMA PEKERJAAN

Pengembangan Jaringan Pipa Distribusi Tertier
Pontianak Timur

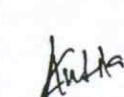
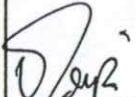
Lokasi : Jl. Tanjung Harapan Gg. H. Ismail
Pontianak Timur

AS BUILD DRAWING

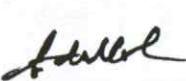
NAMA GAMBAR

Situasi & Detail

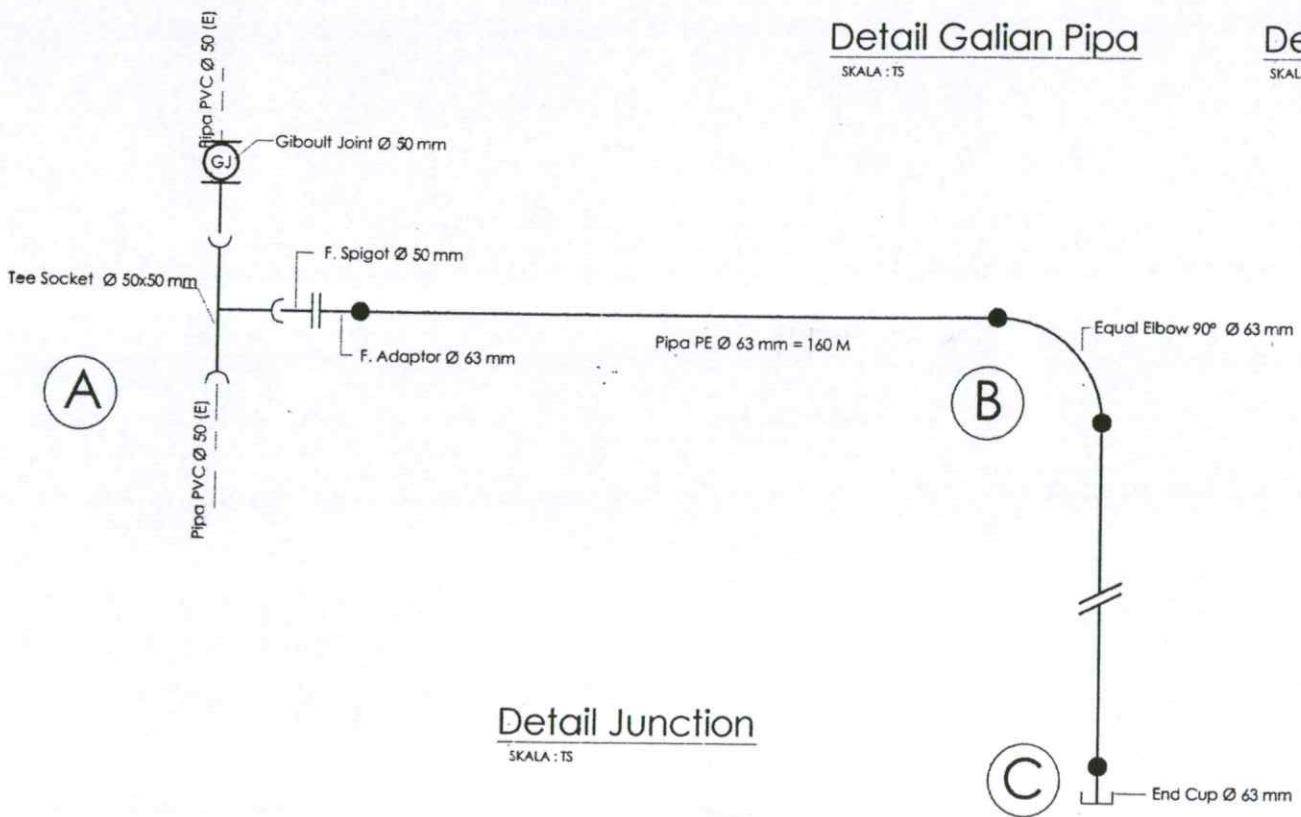
TAHUN	SKALA	NO. GBR	JML. GBR
2018	NTS	30	34

DIGAMBAR	DIPERIKSA
	

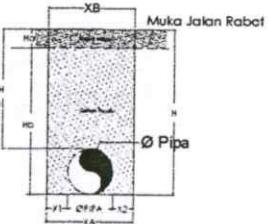
Andika P.	Deny Ramdhani, S.Si	Yessy Triana, S.Si
Pengawas 1	Pengawas 2	Pengawas 2

DIKETAHU	DISETUJUI
	

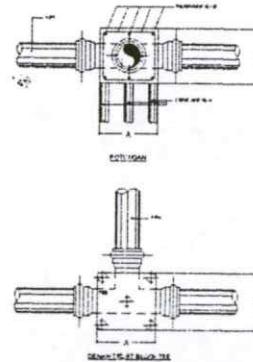
Suryanto, Amd	Abdullah, S. ST
Direksi Pekerjaan	Direktur Teknik



Ø Pipa (cm)	Tinggi (cm)	Lebar (cm)	DALAM GALIAN (CM)			Wt (Ton/m)	Volume (m³)	
			H1	H2	H3			
50	17,50	40,00	12,00	50,00	56,00	60,00	0,307	0,640
75	22,50	42,50	12,00	60,00	62,50	70,00	0,325	0,640
100	27,50	44,00	12,00	60,00	60,00	40,00	0,335	0,644
150	34,50	46,00	12,00	100,00	94,00	110,00	1,248	0,648



Tipe Galan	A (cm)	B (cm)	C (cm)	TABEL TRUST BLOCK TEE	
				Lebar (cm)	Tinggi (cm)
Trust Block Tee	73x79	0,47	0,37	1,18	0,48
Trust Block Tee	74x79	0,50	0,38	1,22	0,51
Trust Block Tee	80x95	0,50	0,37	1,27	0,54



KETERANGAN

PELAKSANA PEKERJAAN


CV. MUTIARA KHATULISTIWA
Jl. Gajah Mada No. 151/155 Pontianak

NAMA PEKERJAAN

Pengembangan Jaringan Pipa Distribusi Tertier
Pontianak Timur

Lokasi : Jl. Sultan Hamid II Gg. Jihad
Pontianak Timur

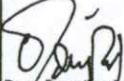
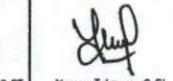
AS BUILD DRAWING

NAMA GAMBAR

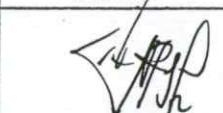
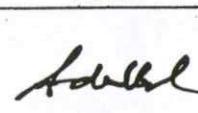
Situasi & Detail

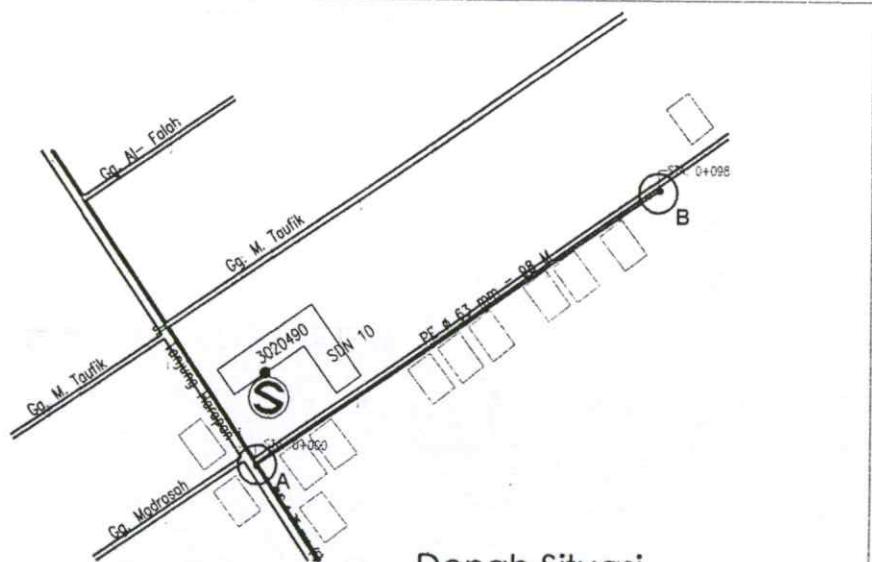
TAHUN	SKALA	NO. GBR	JML. GBR
2018	NTS	31	34

DIGAMBAR DIPERIKSA

		
Ahdika P. Juru Gambar	Dery Ramdani, S.Si Pengawas 1	Yessy Triana, S.Si Pengawas 2

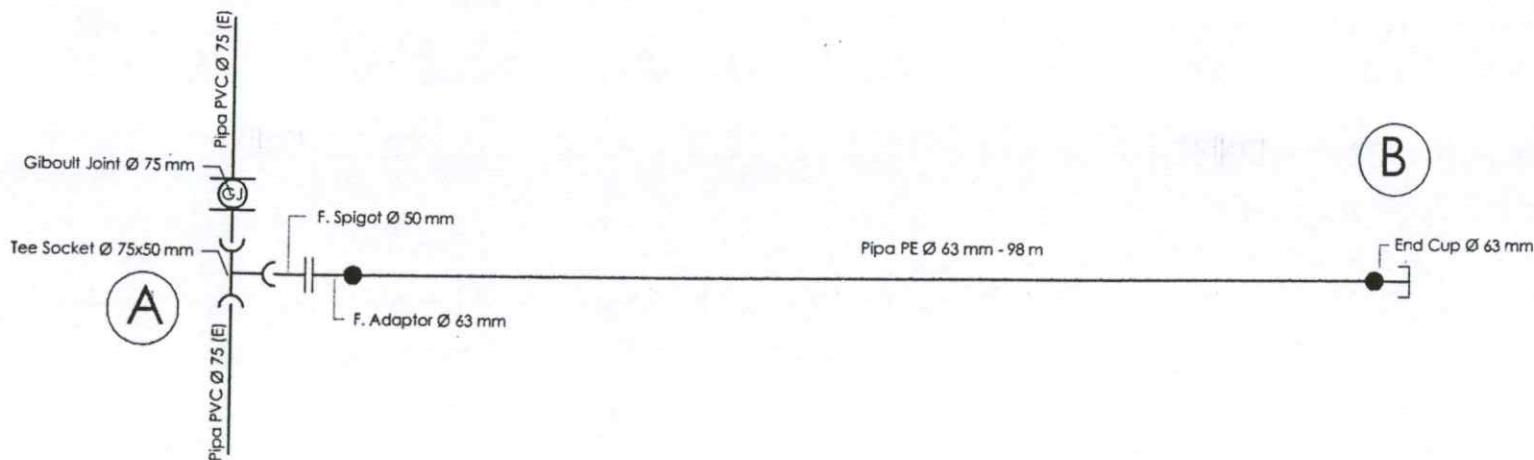
DIKETAHUU DISETUJUI

	
Suryanto, Amd Direksi Pekerjaan	Abdullah, S.T Direktur Teknik

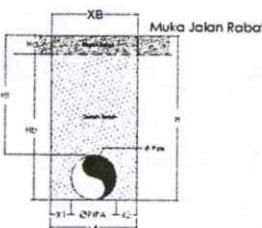


Detail Junction

SKALA : TS



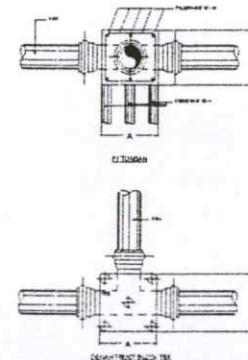
Ø Pipa	Tinggi	Lebar	DALAM GALIAN PIPA			Vol. Tanah	Vol. Beton
			LA/RS	HO	HI		
50	17.50	40.00	10.00	50.00	45.00	0.210	1.040
75	17.50	40.00	10.00	45.00	70.00	0.235	1.340
100	17.50	44.00	10.00	60.00	85.00	0.352	1.640
125	17.50	48.00	10.00	70.00	100.00	0.480	1.940



Detail Galian Pipa

SKALA : TS

Ø Pipa	A	B	C	DALAM GALIAN TEE		
				LA/RS	HO	HI
75 x 75	2.40	2.40	2.40	2.40	2.40	2.40
75 x 100	2.40	2.40	2.40	2.40	2.40	2.40
100 x 100	3.70	3.70	3.70	3.70	3.70	3.70



Detail Trust Block Tee

SKALA : TS

KETERANGAN

PELAKSANA PEKERJAAN

CV. MUTIARA KHATULISTIWA
Jl. Gajah Mada No. 151/155 Pontianak

NAMA PEKERJAAN

Pengembangan Jaringan Pipa Distribusi Tertier
Pontianak Timur

Lokasi : Jl. Tanjung Harapan
Pontianak Timur

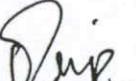
AS BUILD DRAWING

NAMA GAMBAR

Situasi & Detail

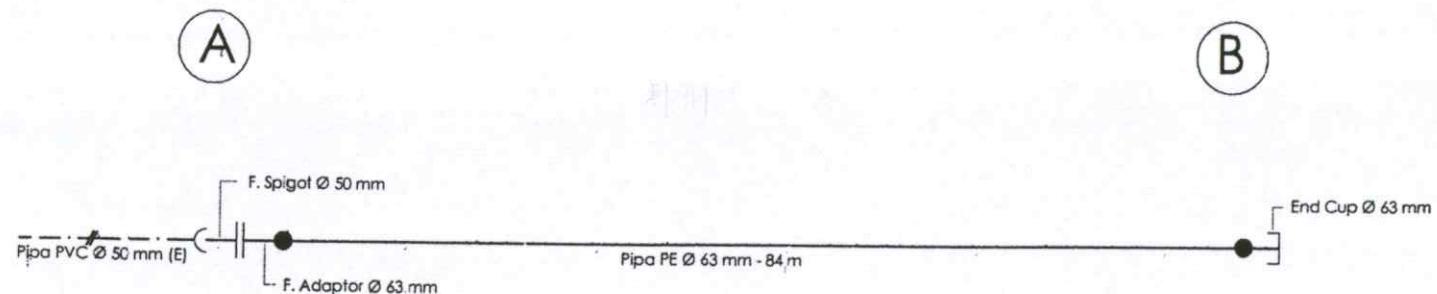
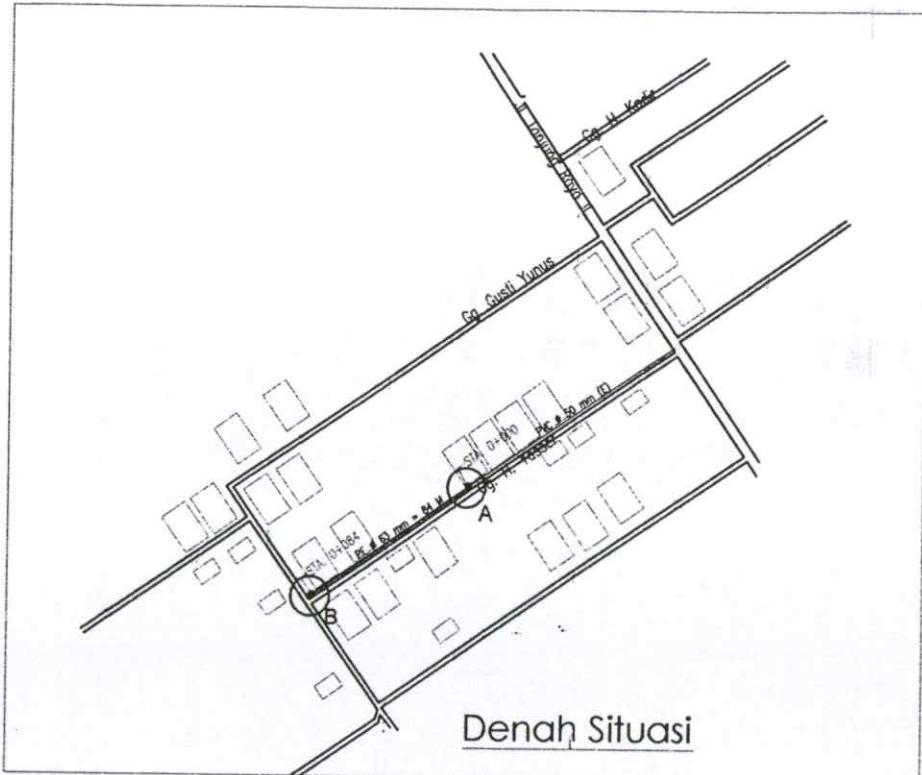
TAHUN	SKALA	NO. GBR	JML. GBR
2018	NTS	32	34

DIGAMBAR DIPERIKSA

		
Andika P. Juru Gambar	Dewi Ramdhani, S.Si Pengawas 1	Yessy Triana, S.Si Pengawas 2

DIKETAHUI DISETUJUI

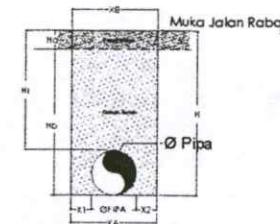
	
Suryanto, Amd Direksi Pekerjaan	Abdullah, S.T Direktur Teknik



Detail Junction

SKALA : 1:5

Ø Pipa	X1/X2	Lengt	CALAHAN GALIAN HOLE			Vol.	W.A.
			HD	HI	NH=HD-HI		
50	17,50	40,00	10,00	20,00	5,00	0,250	0,040
75	17,25	42,00	10,00	20,00	2,25	0,250	0,040
100	17,00	44,00	10,00	20,00	4,00	0,250	0,044
125	16,50	45,00	10,00	20,00	4,50	0,400	0,040



Detail Galian Pipa

SKALA : TS

KETERANGAN

PELAKSANA PEKERJAAN

CV. MUTIARA KHATULISTIWA
Jl. Gajah Mada No. 151/155 Pontianak

NAMA PEKERJAAN

Pengembangan Jaringan Pipa Distribusi Tertier
Pontianak Timur

Lokasi : Jl. Tanjung Raya 2 Gg. Yasser
Pontianak Timur

AS BUILD DRAWING

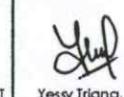
NAMA GAMBAR

Situasi & Detail

TAHUN	SKALA	NO. GBR	JML. GBR
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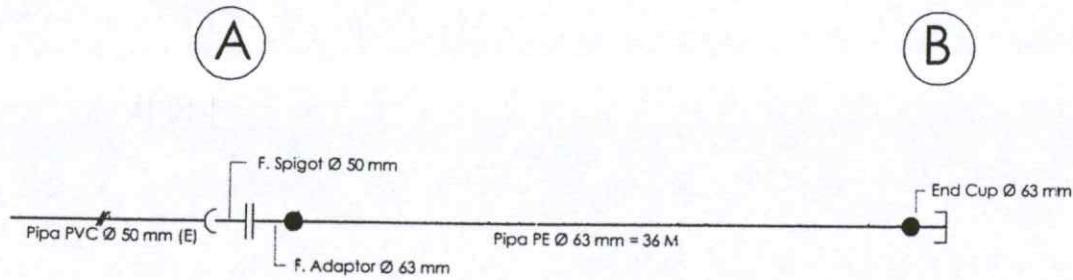
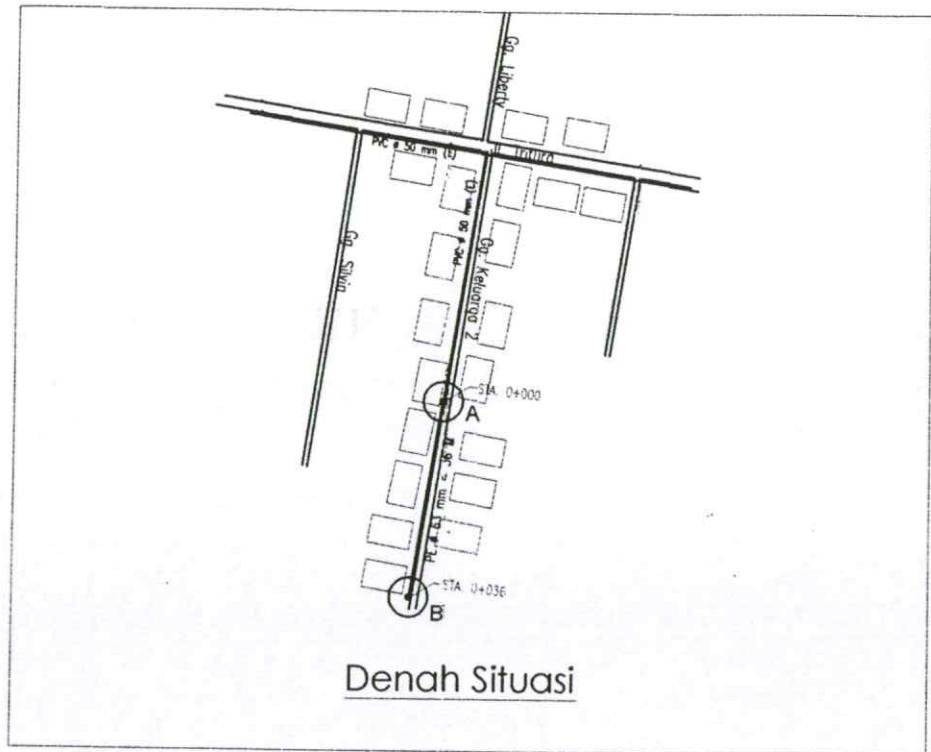
2018	NTS	33	34
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DIGAMBAR	DIPERIKSA
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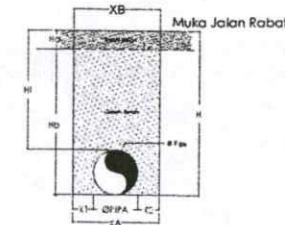
		
Andika P. Juru Gambar	Derry Ramdhani, S.Si Pengawas 1	Yessy Triana, S.Si Pengawas 2

DIKETAHUI	DISETUJUI
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Suryanta, Amd Direksi Pekerjaan	Abdullah, S.T Direktur Teknik



Ø Pipa (mm)	t 1/2 (mm)	Lebar DALAM GALIAN (cm)	VOL TONGKIR		VOL Kubus (m³/m)
			Hd	Hs	
62	17,50	40,00	50,00	55,00	0,000
75	17,25	40,00	52,50	57,00	0,000
100	17,00	44,00	60,00	64,00	0,032
125	14,50	46,00	70,00	74,00	0,048



Detail Galian Pipa

SKALA : TS

KETERANGAN

PELAKSANA PEKERJAAN

CV. MUTIARA KHATULISTIWA
Jl. Gajah Mada No. 151/155 Pontianak

NAMA PEKERJAAN

Pengembangan Jaringan Pipa Distribusi Tertier
Pontianak Timur

Lokasi : Jl. Tritura Gg. Keluarga 2
Pontianak Timur

AS BUILD DRAWING

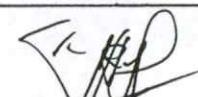
NAMA GAMBAR

Situasi & Detail

TAHUN	SKALA	NO. GBR	JML. GBR
2018	NTS	34	34

DIGAMBAR	DIPERIKSA
	

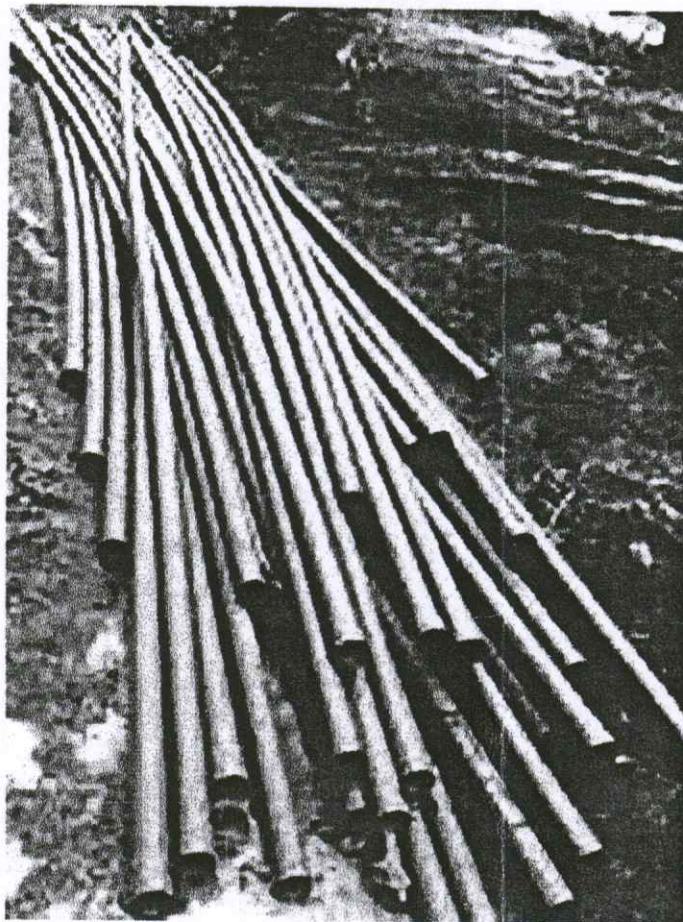
Andika P. Juru Gambar	Deny Ramdhani, S.Si Pengawas 1	Yessy Tirlana, S.Si Pengawas 2
DIKETAHUI		DISETUJUI

	
Suryandri, Amd Direksi Pekerjaan	Abdullah, ST Direktur Teknik

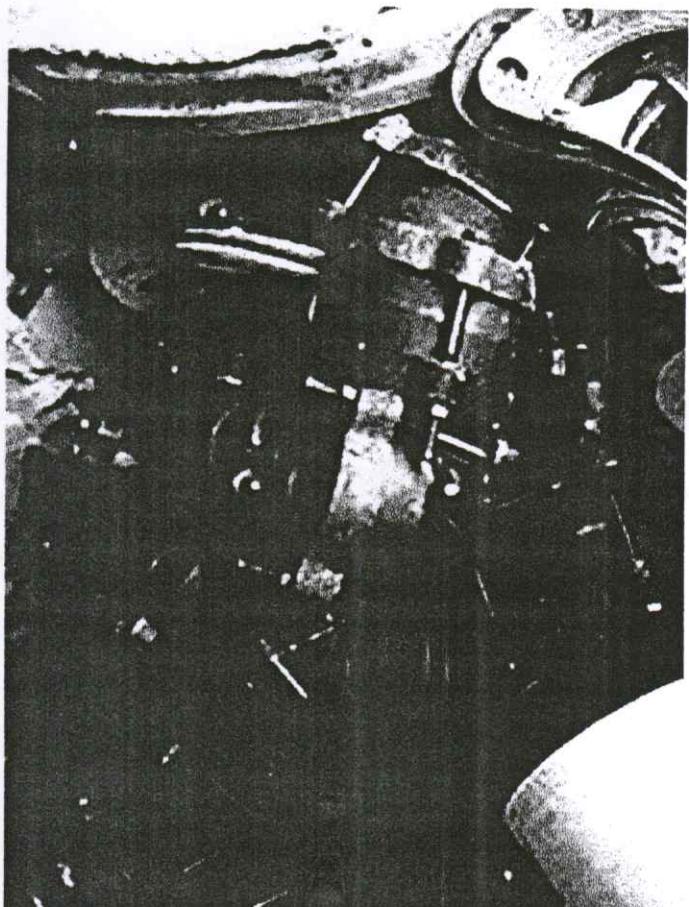
DOKUMENTASI PEKERJAAN

Pengadaan Pipa dan Accessories Pipa

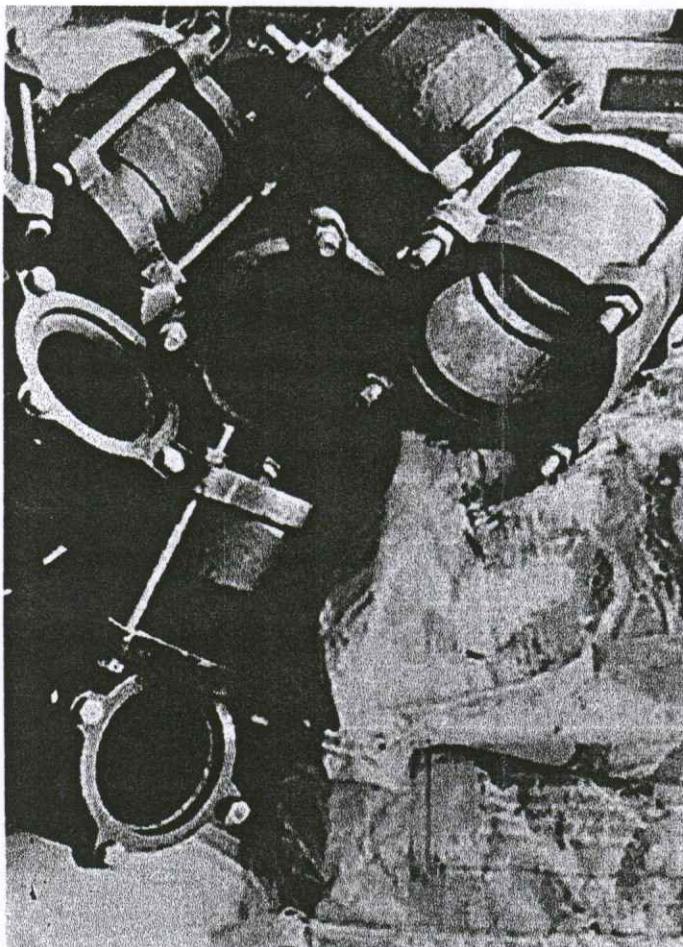
"Pengembangan Jaringan Pipa Distribusi Tertier Pontianak Timur PDAM Tirta Khatulistiwa"
Pelaksana : CV. MUTIARA KHATULISTIWA



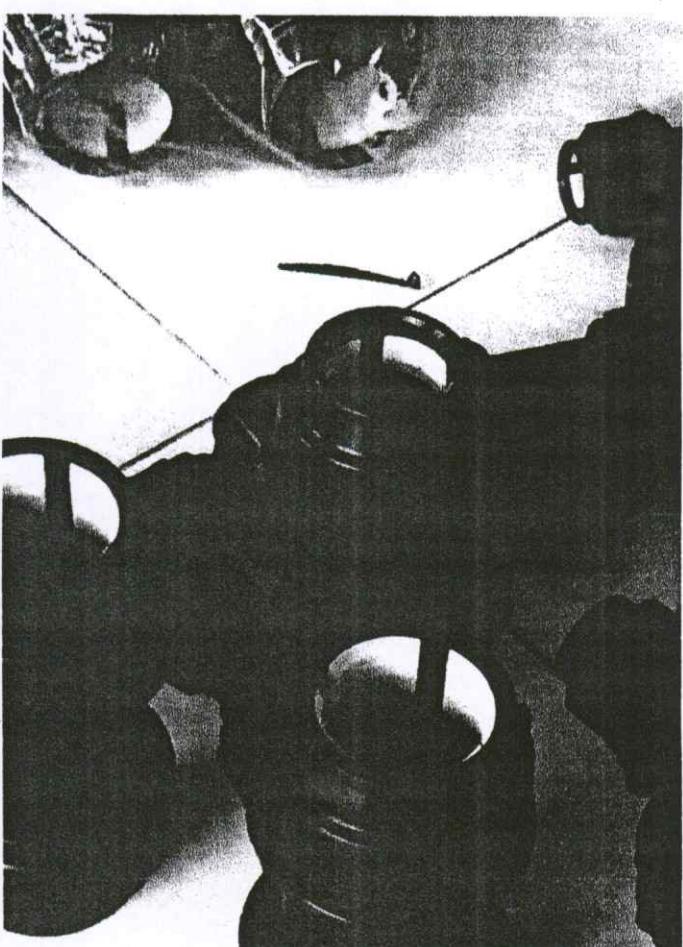
Pengadaan Pipa HDPE



Pengadaan Accessories



Pengadaan Accessories

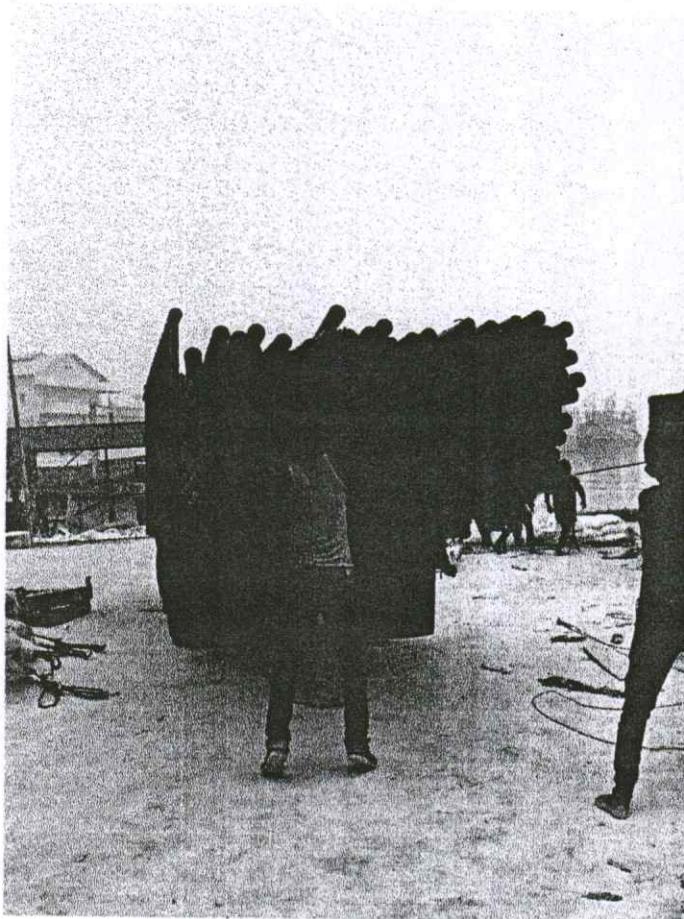


Pengadaan Accessories

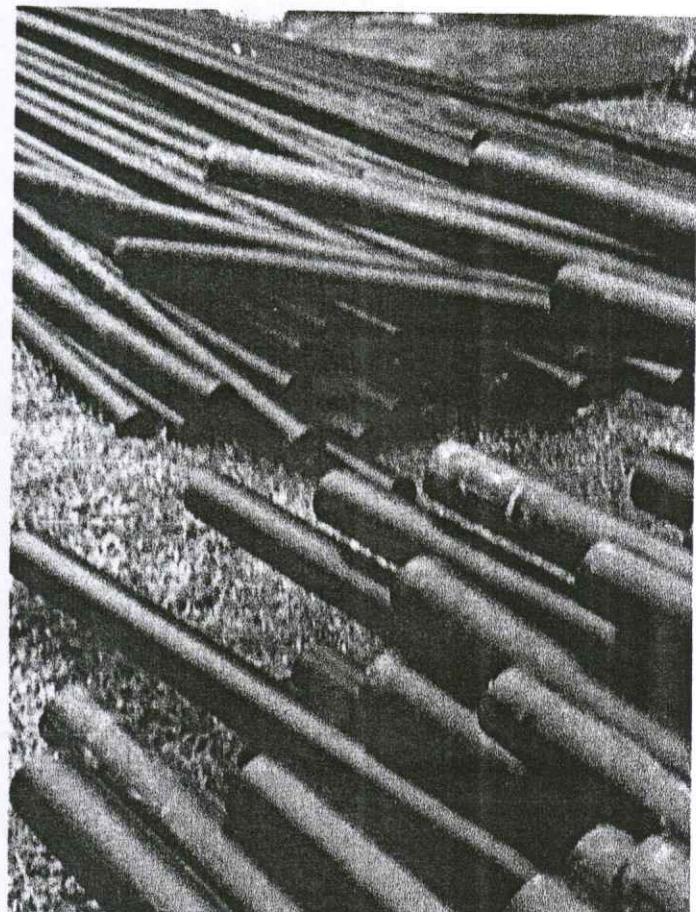
DOKUMENTASI PEKERJAAN

Pengadaan Pipa dan Accessories Pipa

"Pengembangan Jaringan Pipa Distribusi Tertier Pontianak Timur PDAM Tirta Khatulistiwa"
Pelaksana : CV. MUTIARA KHATULISTIWA



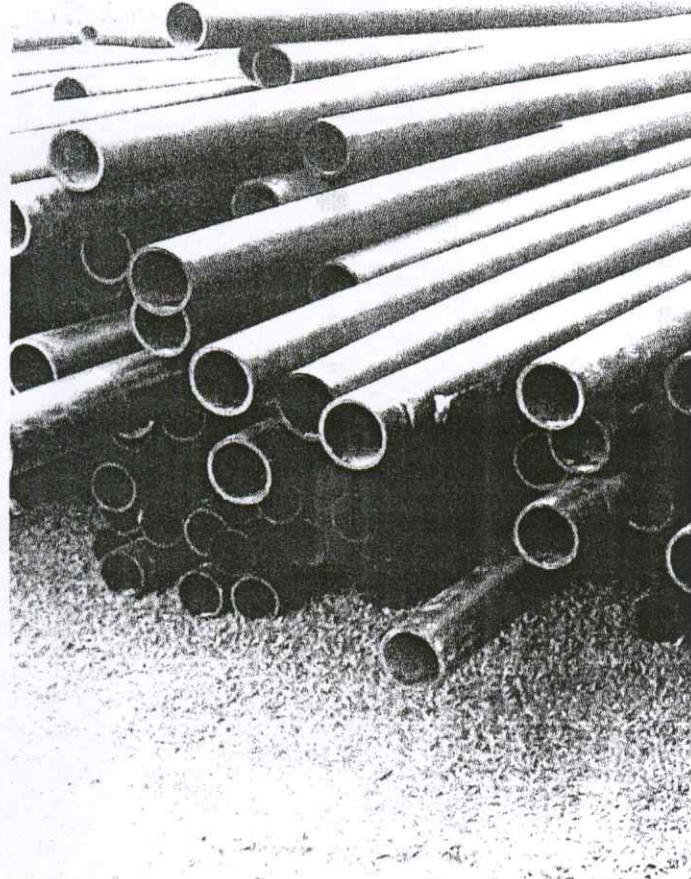
Pengadaan Pipa HDPE



Pengadaan Pipa HDPE



Pengadaan Pipa HDPE



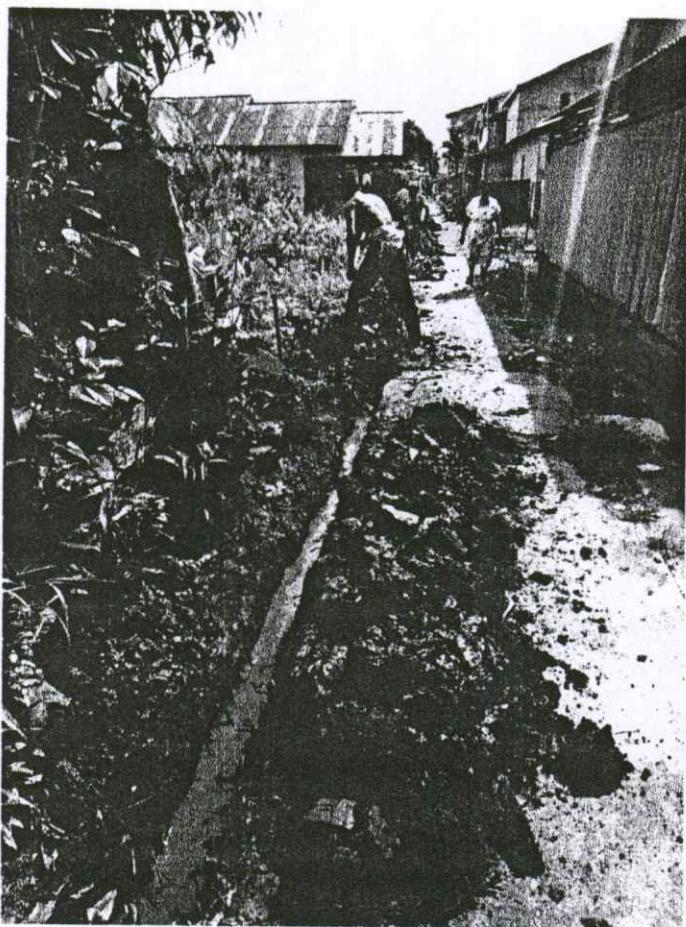
Pengadaan Pipa HDPE

DOKUMENTASI PEKERJAAN (1)

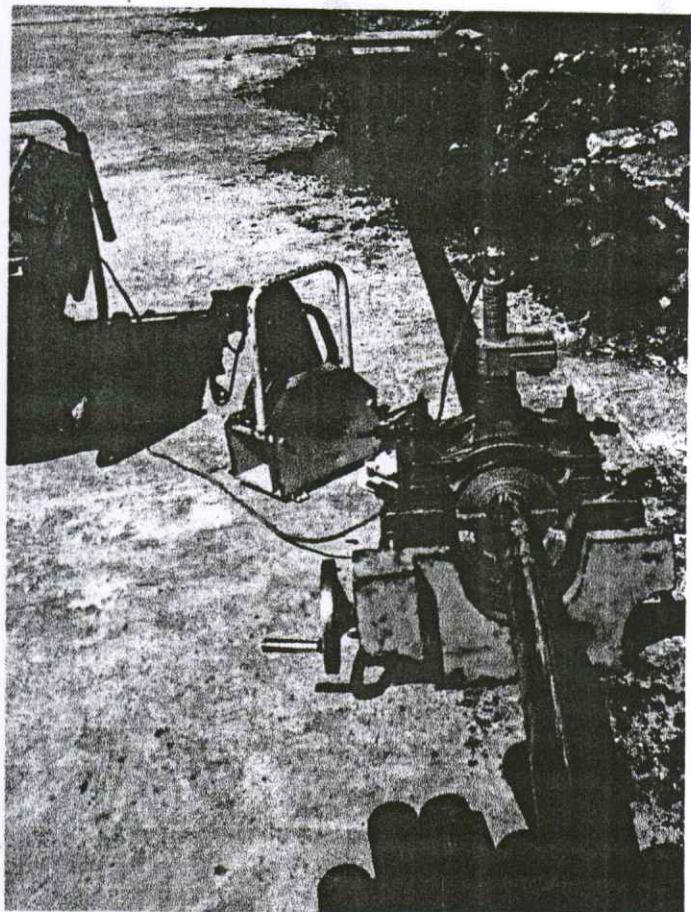
Pekerjaan : Pengembangan Jaringan Pipa Distribusi Tertier (PE Ø 63 mm - 78 m)

Lokasi : Jl. Tanjung Raya 2 Gg. Suka Bersih - Pontianak Timur

Pelaksana : CV. MUTIARA KHATULISTIWA



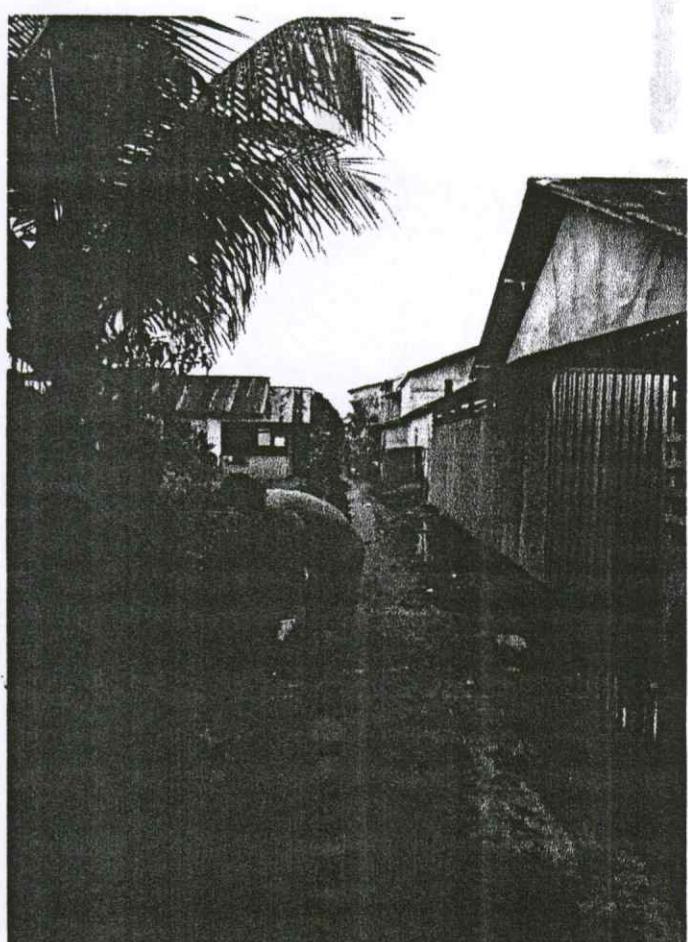
Pekerjaan Galian



Pengelasan Pipa PE



Penempatan Pipa



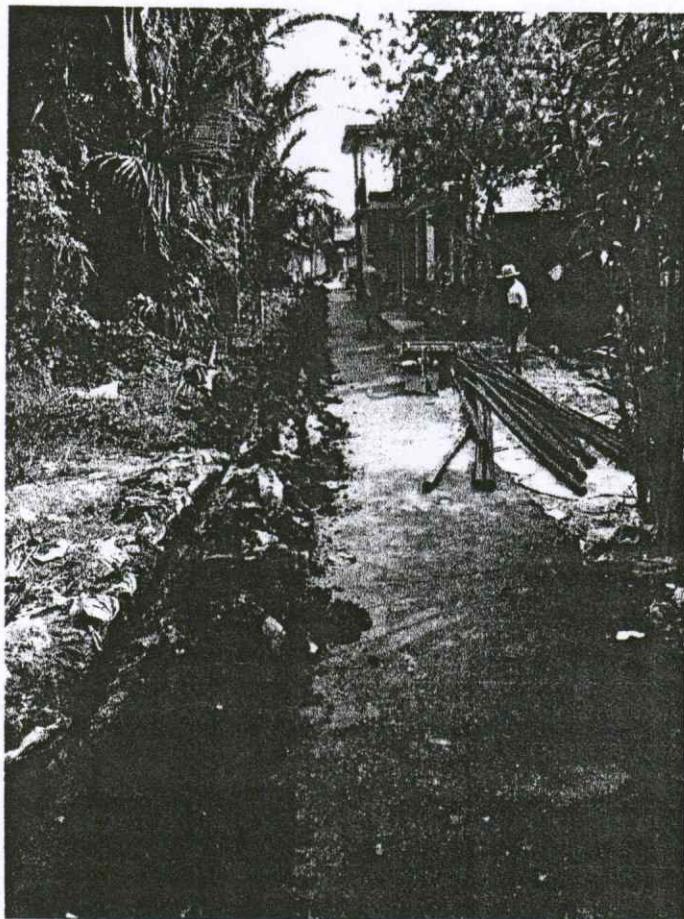
Urusan Galian

DOKUMENTASI PEKERJAAN (2)

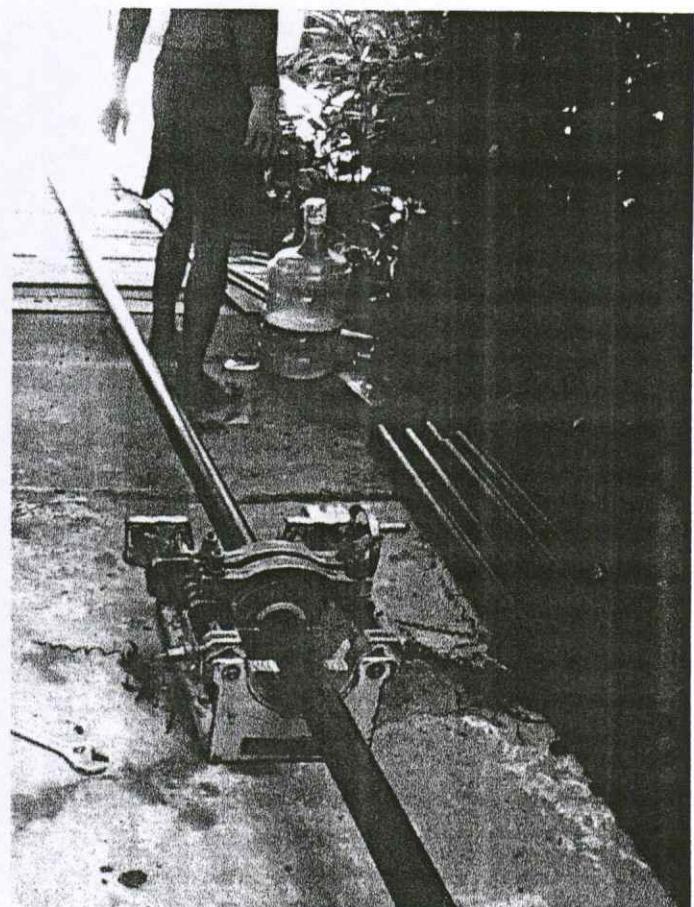
Pekerjaan : Pengembangan Jaringan Pipa Distribusi Tertier (PE Ø 63 mm - 138 m)

Lokasi : Jl. Tanjung Raya 2 Gg. Jabar - Pontianak Timur

Pelaksana : CV. MUTIARA KHATULISTIWA



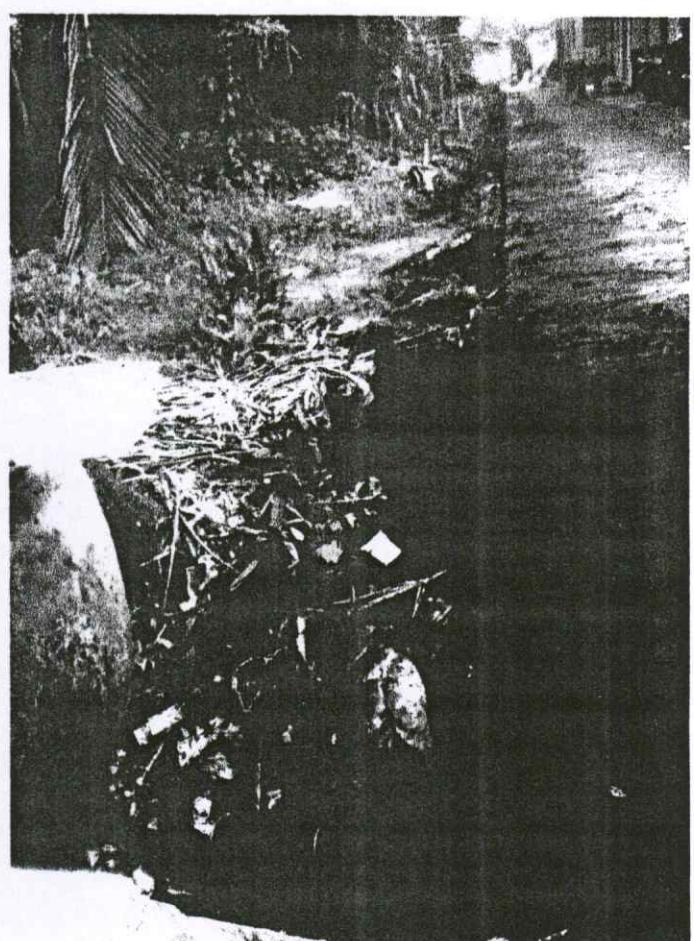
Pekerjaan Galian



Pengelasan Pipa PE



Penempatan Pipa

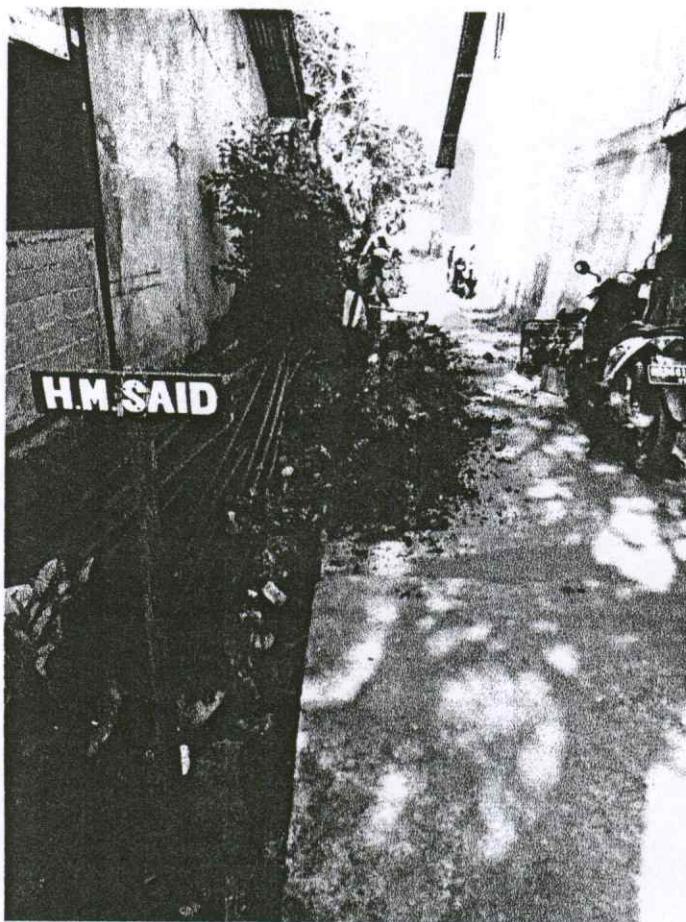


Urutan Galian

DOKUMENTASI PEKERJAAN (3)

Pekerjaan : Pengembangan Jaringan Pipa Distribusi Tertier (PE Ø 63 mm - 186 m)

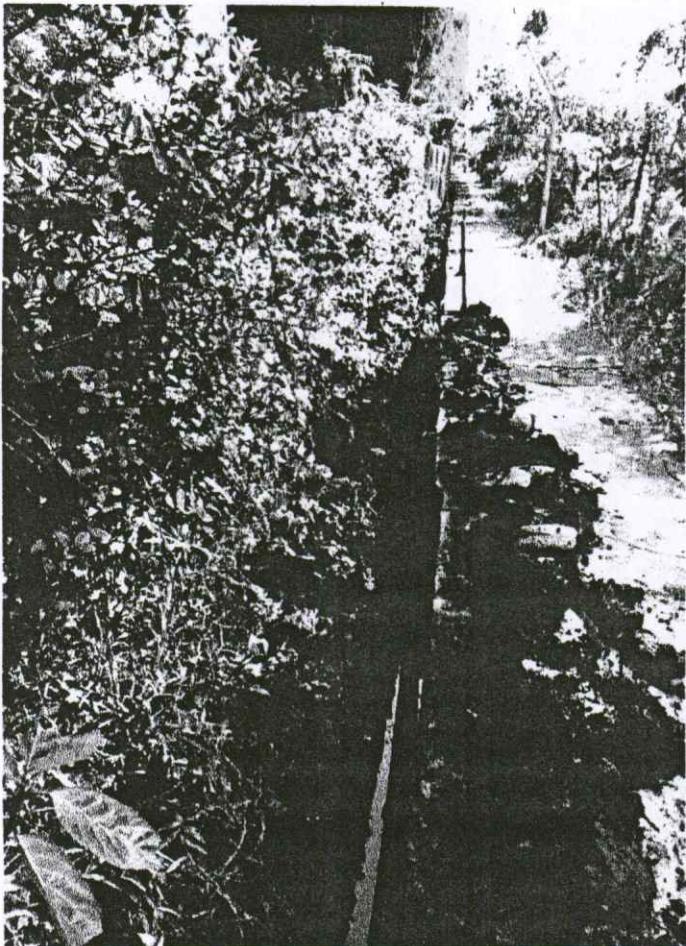
Lokasi : Jl. Tanjung Raya 2 Gg. H. M. Said - Pontianak Timur



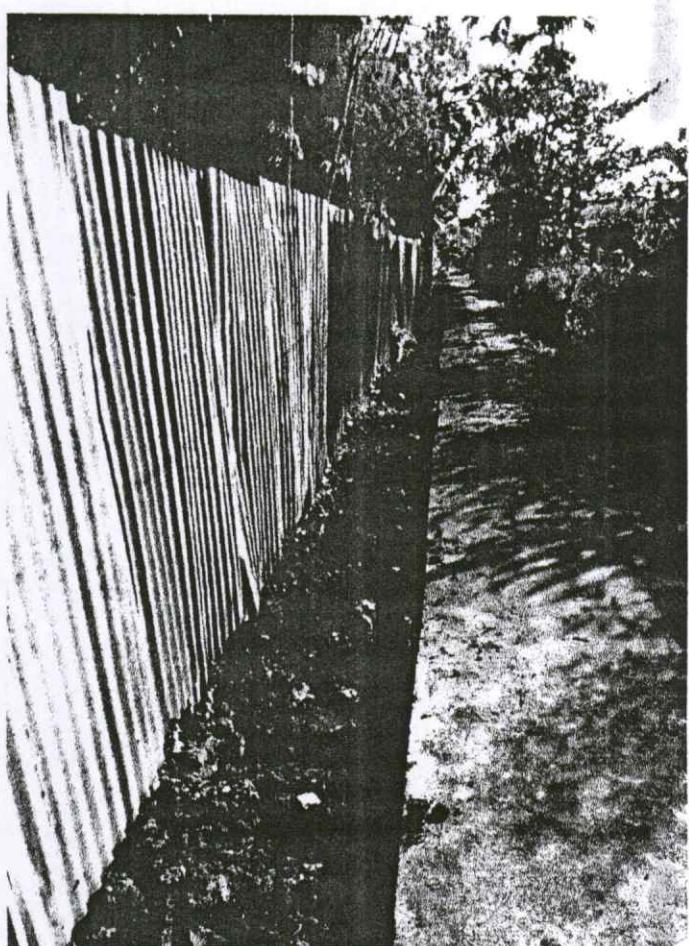
Pekerjaan Galian



Pengelasan Pipa PE



Penempatan Pipa

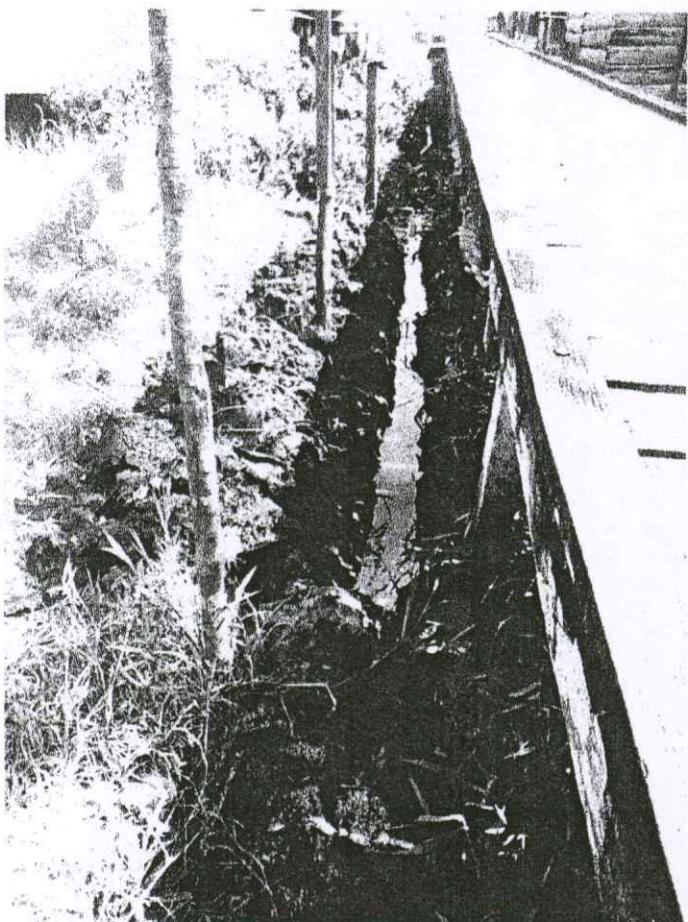


Urutan Galian

DOKUMENTASI PEKERJAAN (4)

Pekerjaan : Pengembangan Jaringan Pipa Distribusi Tertier (PE Ø 63 mm - 72 m)

Lokasi : Jl. Tanjung Raya 1 Gg. Jiran - Pontianak Timur



Pekerjaan Galian



Penyambungan Pipa



Penempatan Pipa

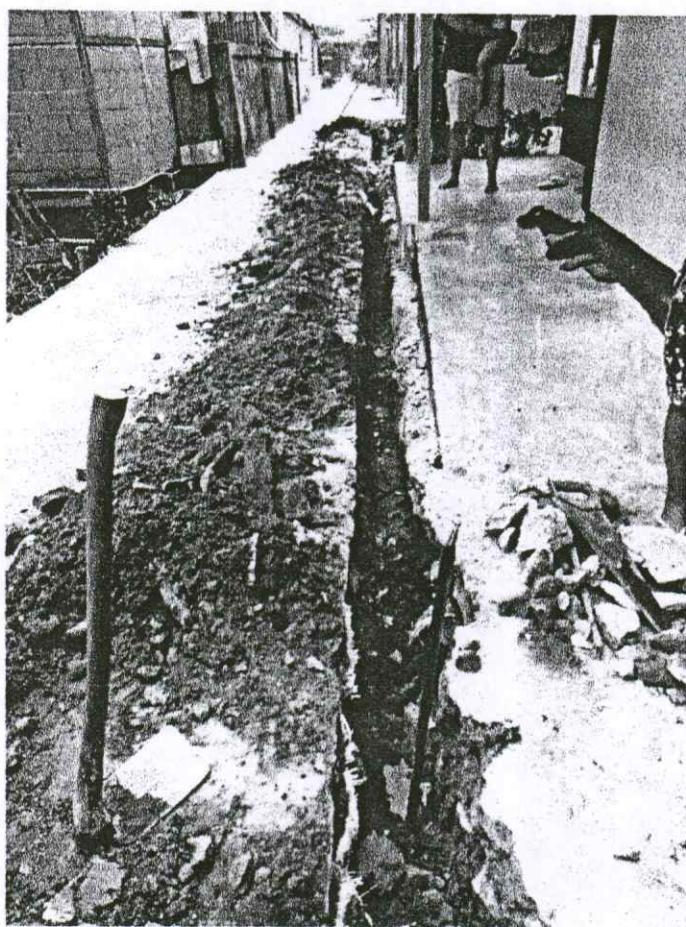


Urudan Galian

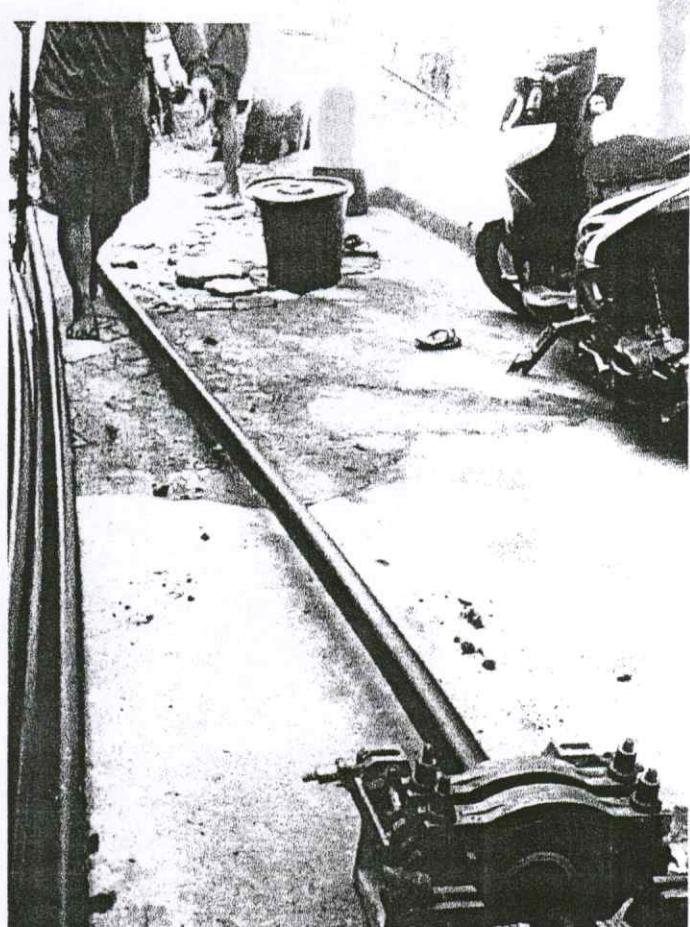
DOKUMENTASI PEKERJAAN (5)

Pekerjaan : Pengembangan Jaringan Pipa Distribusi Tertier (PE Ø 63 mm - 108 m)

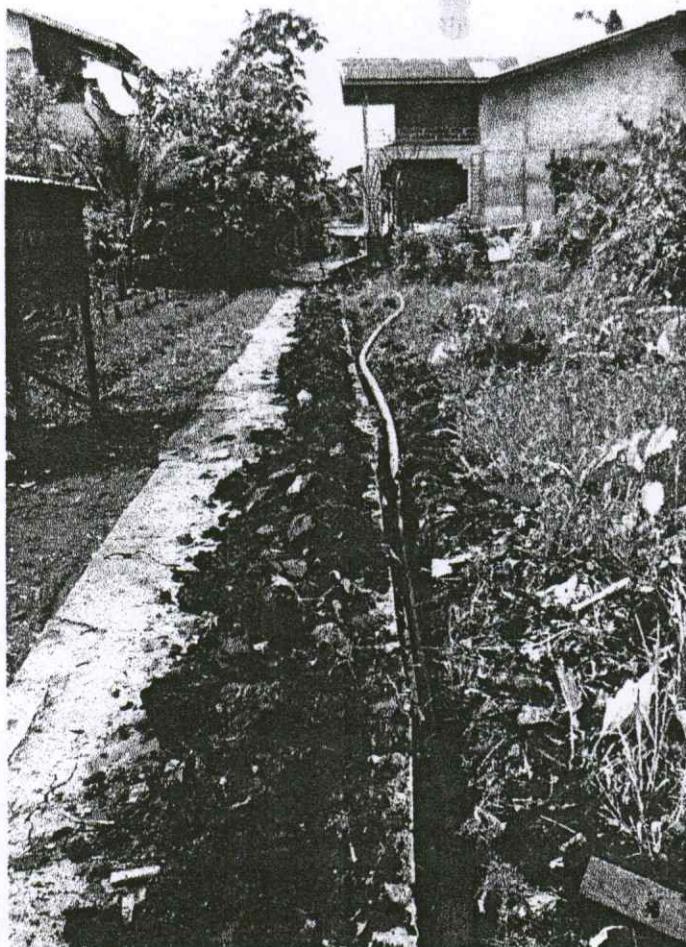
Lokasi : Jl. Tanjung Harapan Gg. Sakinah - Pontianak Timur



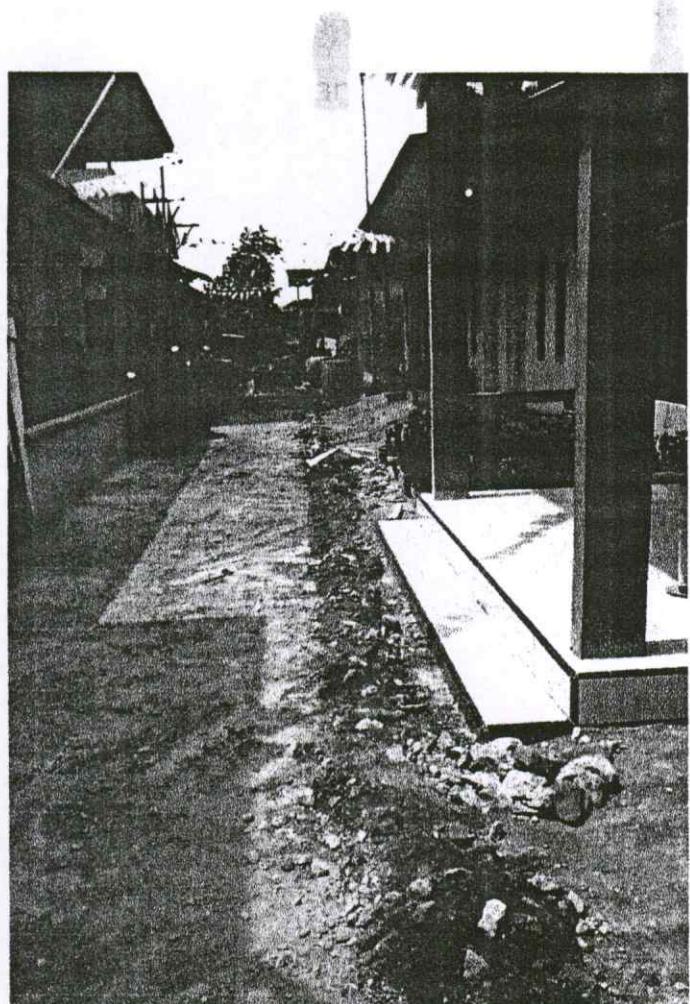
Pekerjaan Galian



Pengelasan Pipa PE



Penempatan Pipa

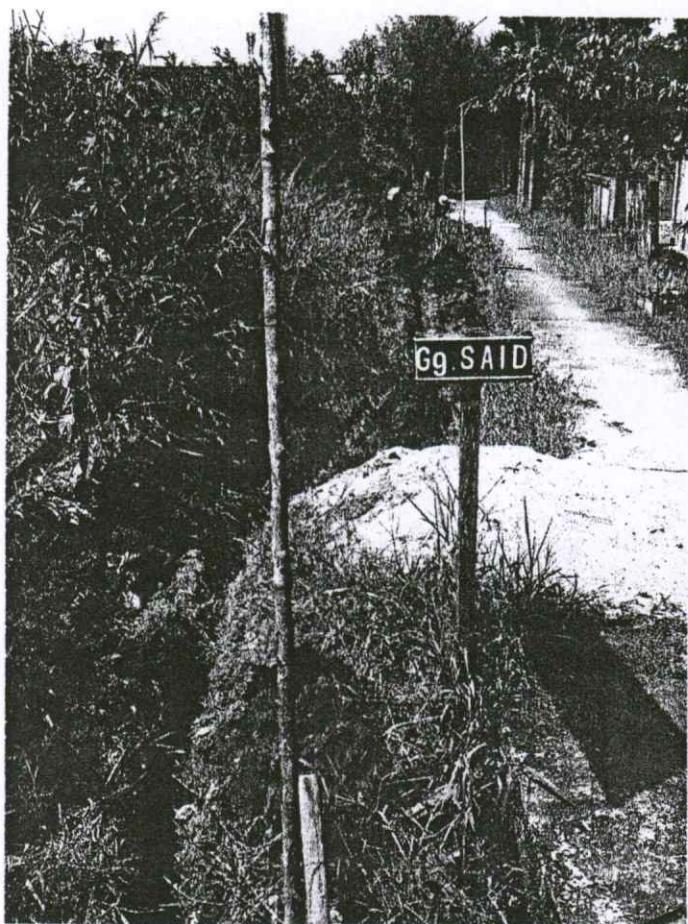


Urutan Galian

DOKUMENTASI PEKERJAAN (6)

Pekerjaan : Pengembangan Jaringan Pipa Distribusi Tertier (PE Ø 63 mm - 78 m)

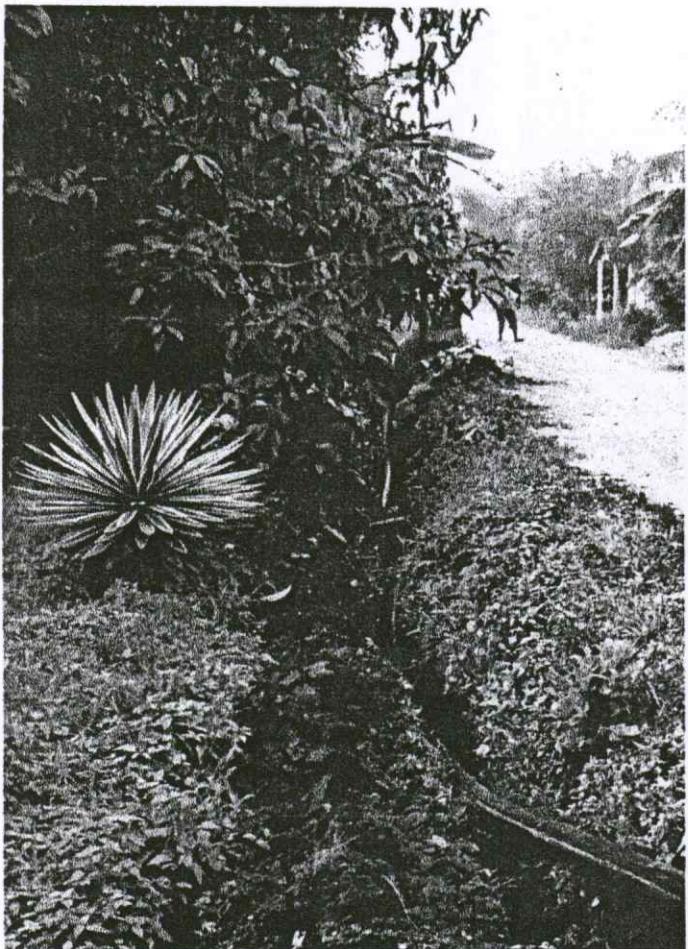
Lokasi : Jl. Tanjung Harapan Gg. Said - Pontianak Timur



Pekerjaan Galian



Pengelasan Pipa PE



Penempatan Pipa

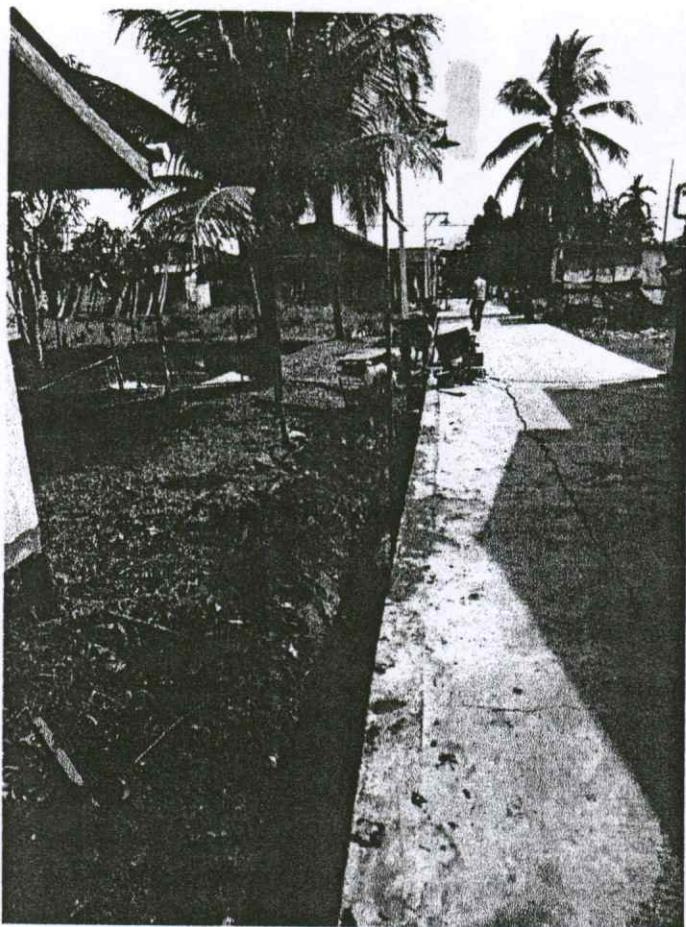


Uruan Galian

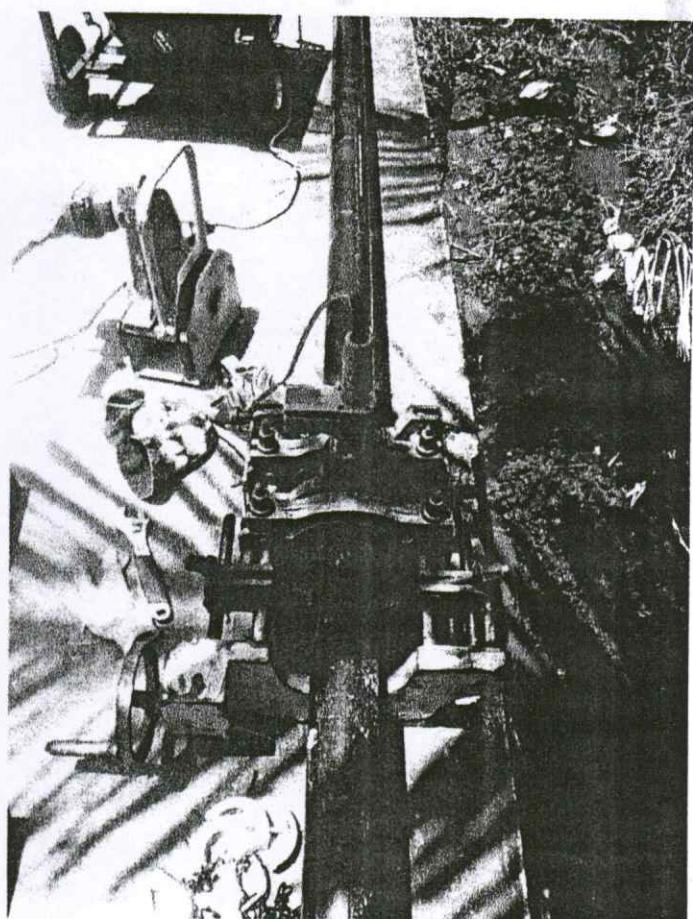
DOKUMENTASI PEKERJAAN (7)

Pekerjaan : Pengembangan Jaringan Pipa Distribusi Tertier (PE Ø 90 mm - 90 m)

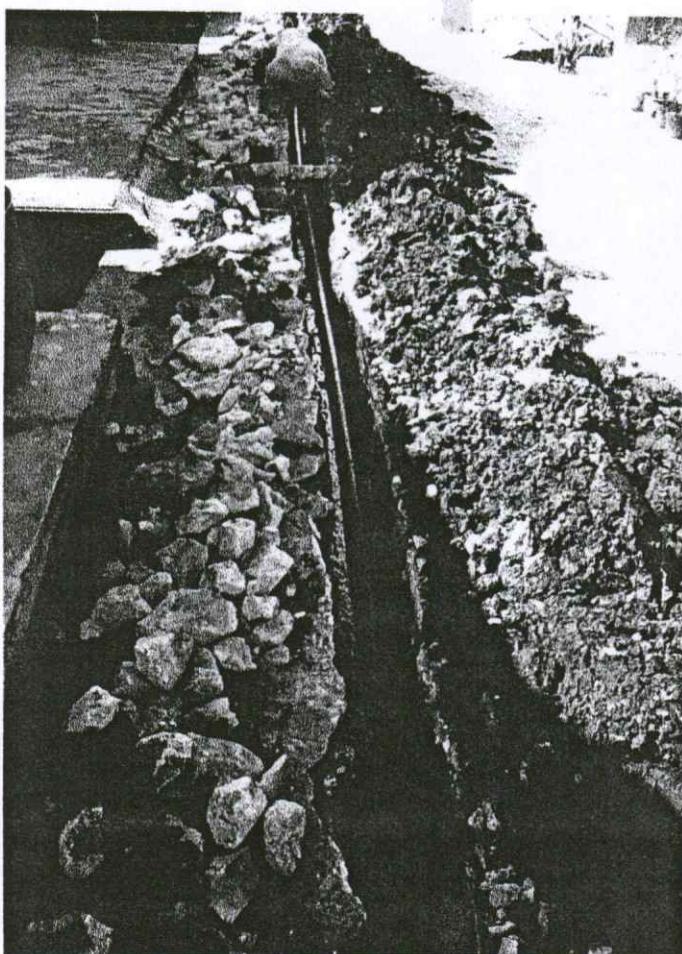
Lokasi : Jl. Tanjung Harapan Gg. Nilam - Pontianak Timur



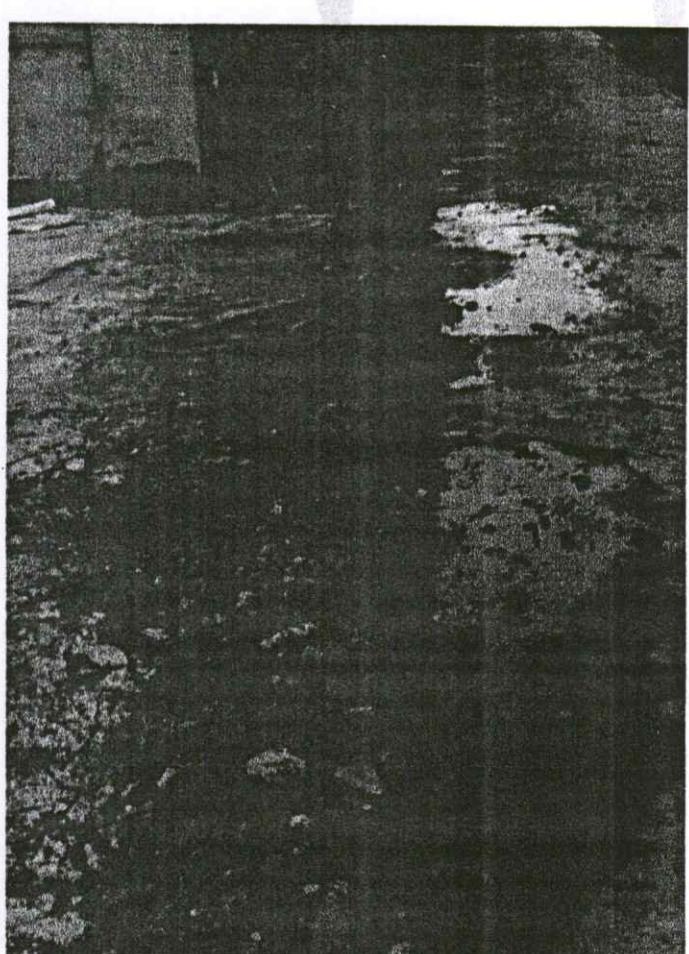
Pekerjaan Galian



Pengelasan Pipa PE



Penempatan Pipa

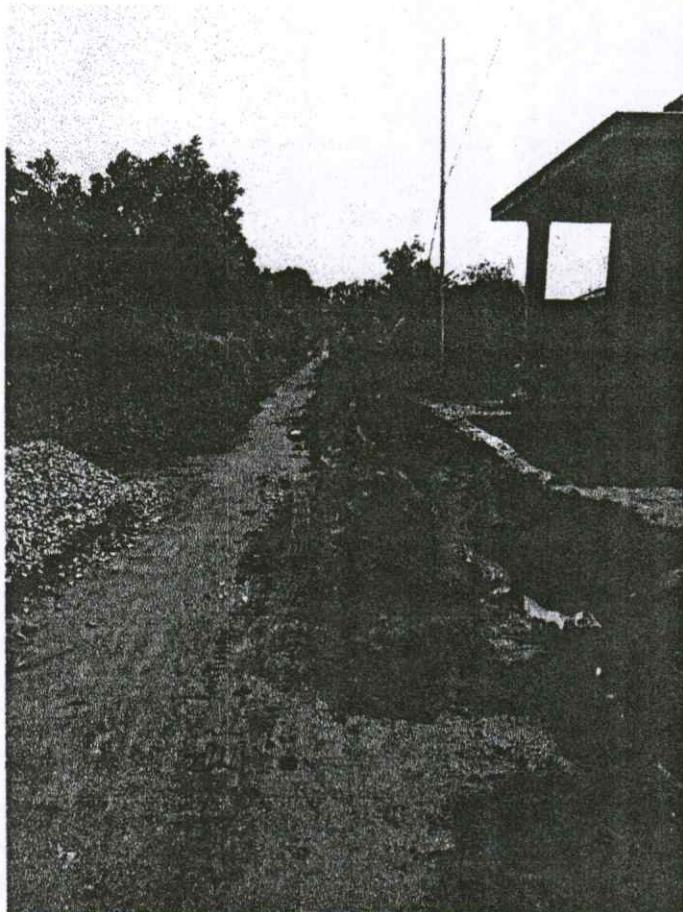


Uruan Galian

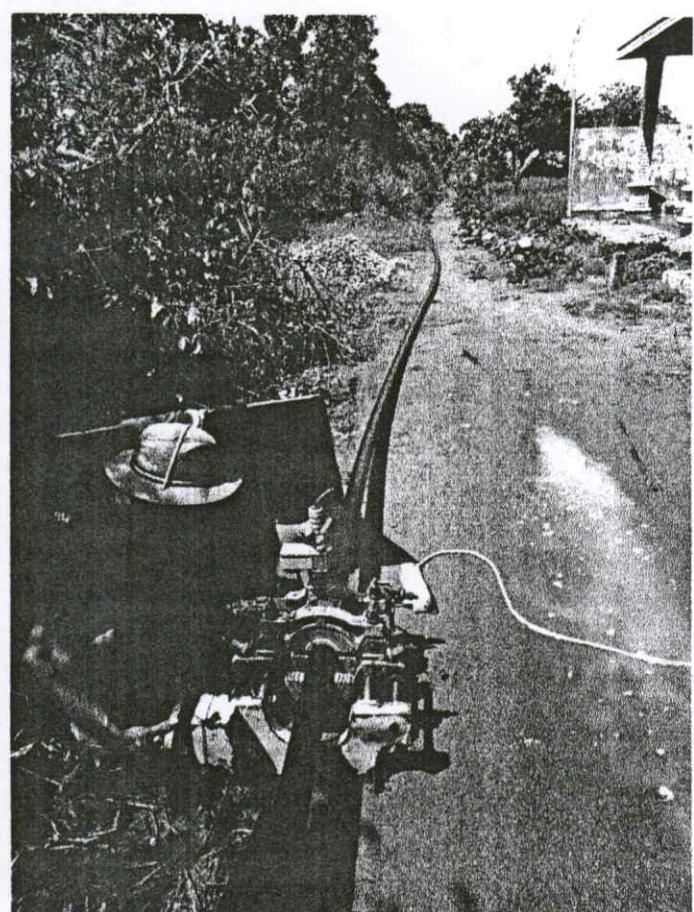
DOKUMENTASI PEKERJAAN (8)

Pekerjaan : Pengembangan Jaringan Pipa Distribusi Tertier (PE Ø 63 mm - 156 m)

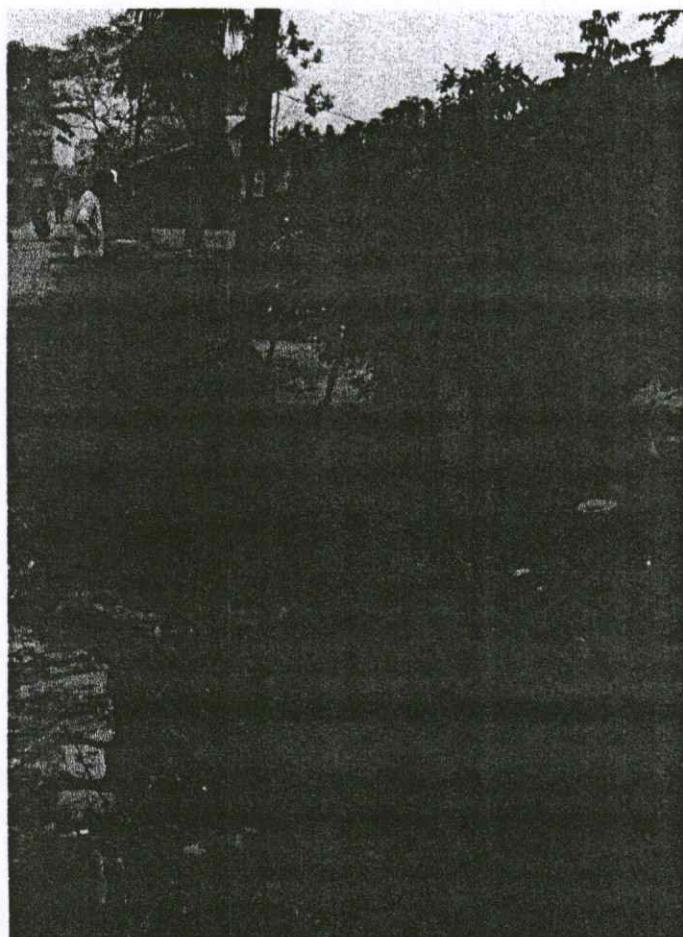
Lokasi : Jl. Tanjung Raya 2 Gg. Suka Bersama - Pontianak Timur



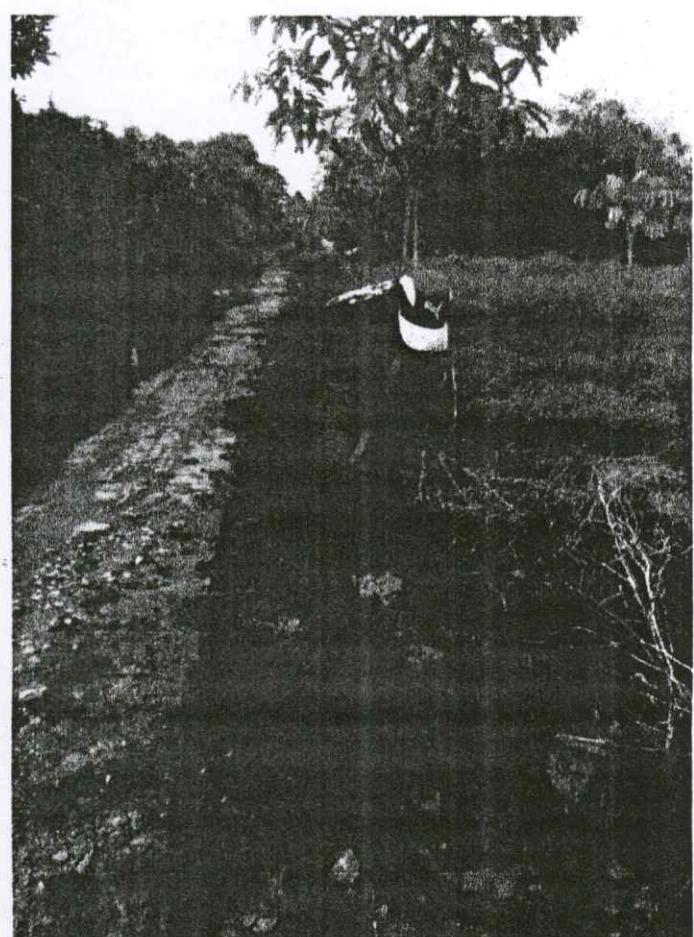
Pekerjaan Galian



Pengelasan Pipa PE



Penempatan Pipa

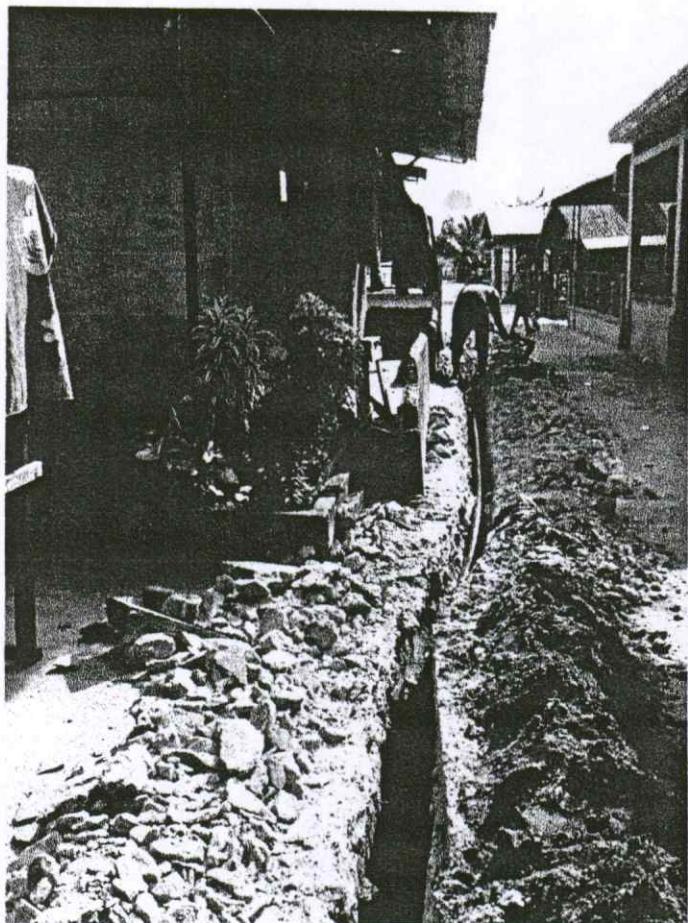


Urutan Galian

DOKUMENTASI PEKERJAAN (9)

Pekerjaan : Pengembangan Jaringan Pipa Distribusi Tertier (PE Ø 63 mm - 132 m)

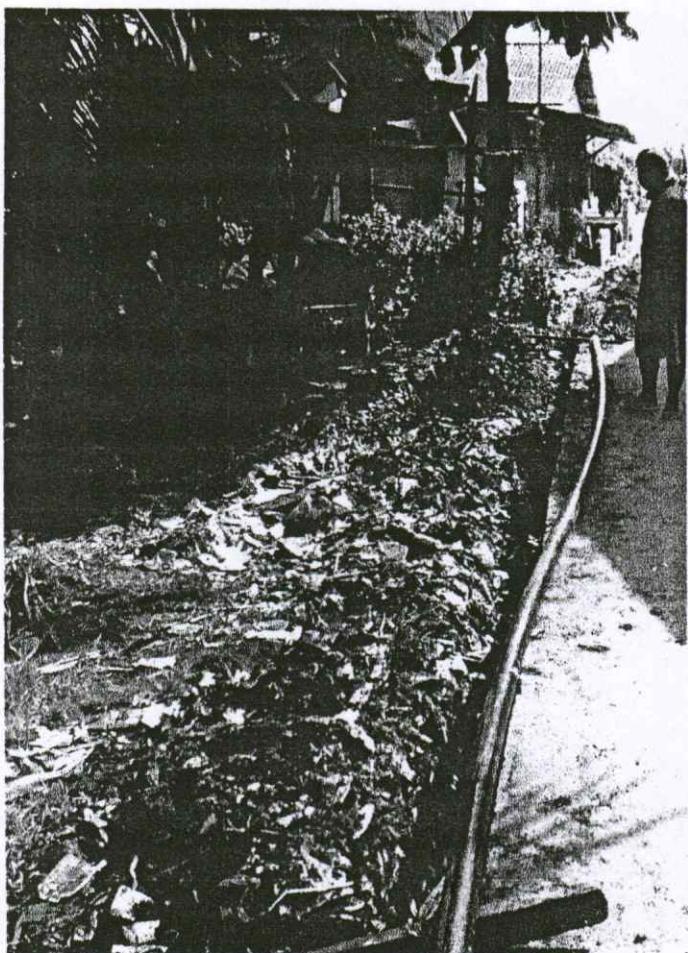
Lokasi : Jl. Tanjung Raya 1 Gg. Kampar - Pontianak Timur



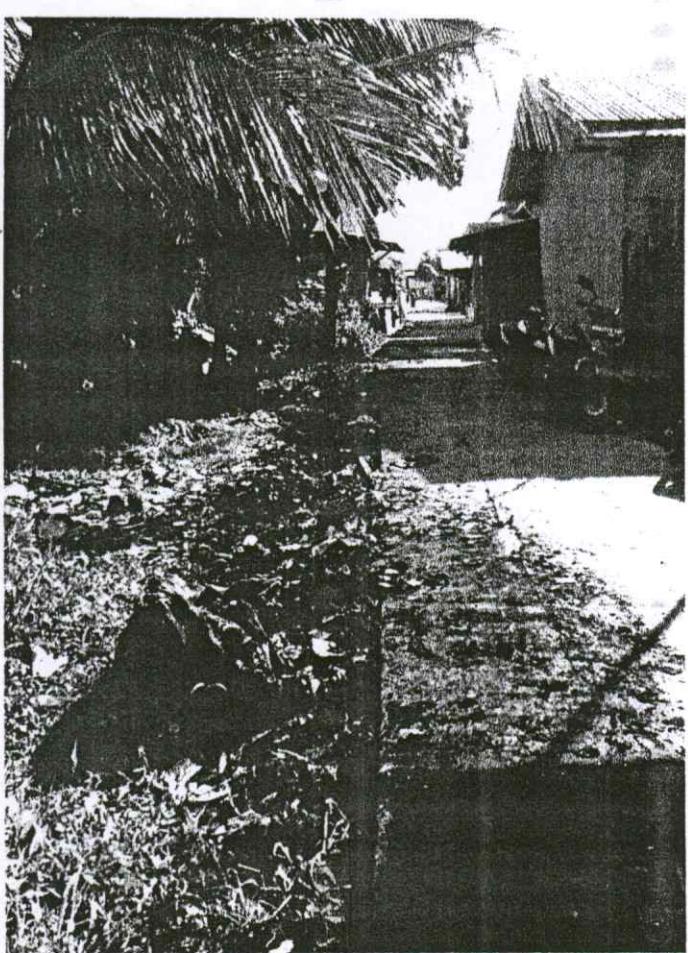
Pekerjaan Galian



Pekerjaan Galian



Penempatan Pipa

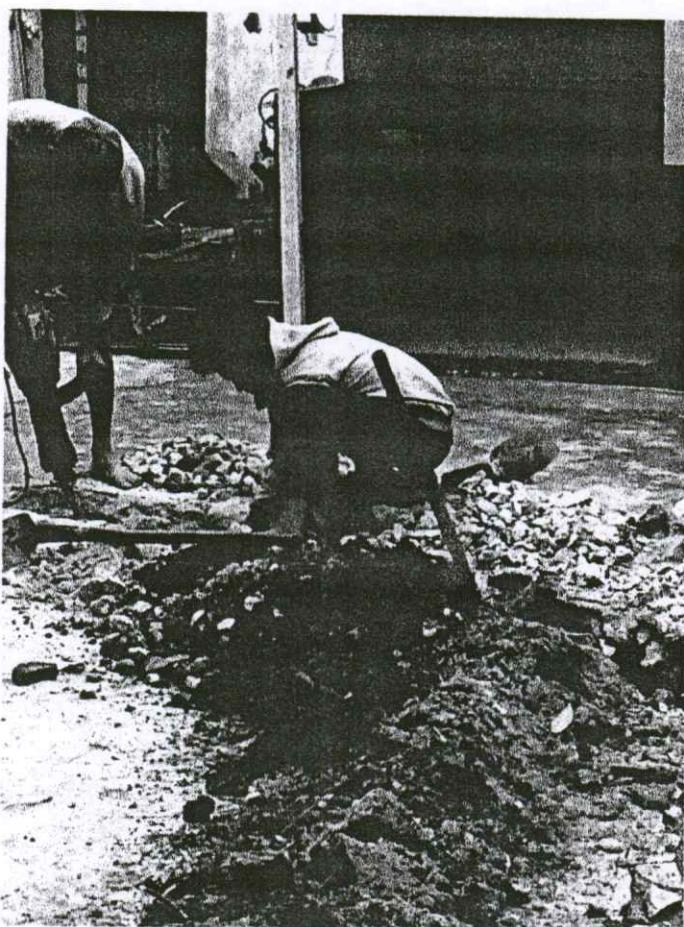


Urutan Galian

DOKUMENTASI PEKERJAAN (10)

Pekerjaan : Pengembangan Jaringan Pipa Distribusi Tertier (PE Ø 63 mm - 53 m)

Lokasi : Jl. Tanjung Harapan Gg. M. Tarif - Pontianak Timur



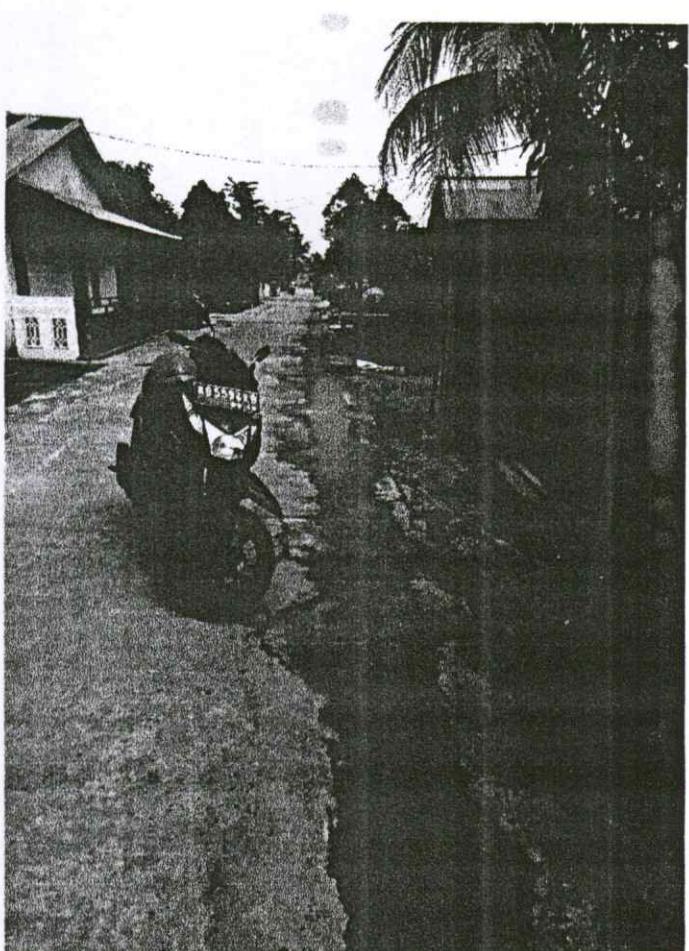
Pekerjaan Galian



Penempatan Pipa



Urutan Galian

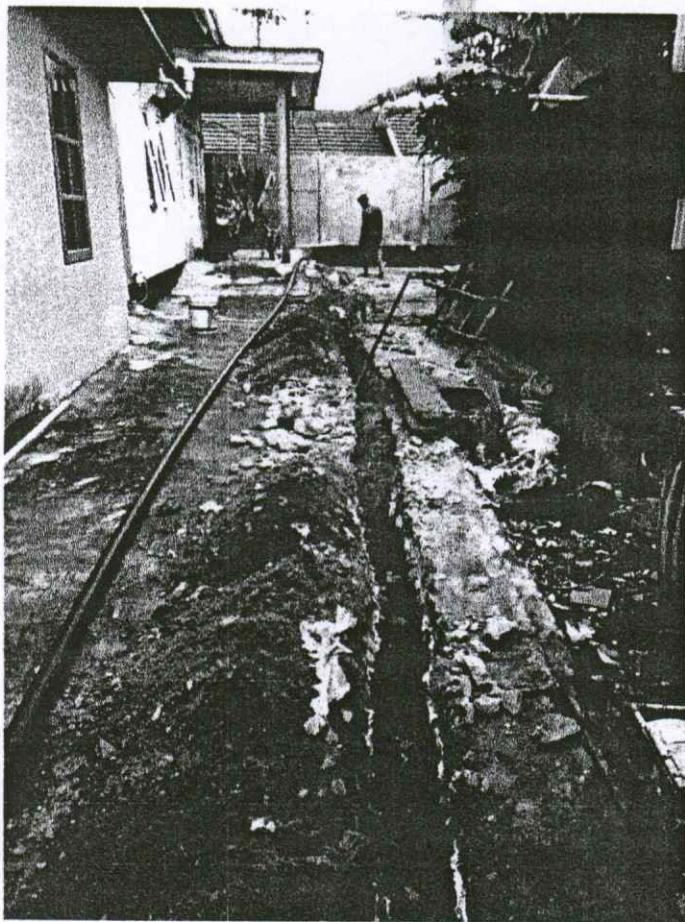


Pekerjaan Galian

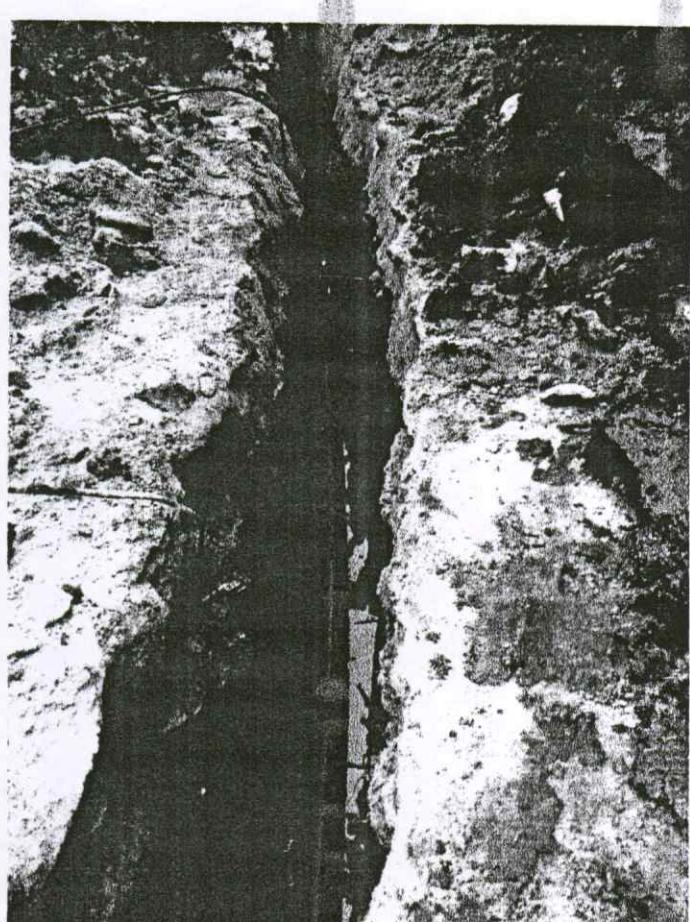
DOKUMENTASI PEKERJAAN (11)

Pekerjaan : Pengembangan Jaringan Pipa Distribusi Tertier (PE Ø 63 mm - 36 m)

Lokasi : Jl. Tanjung Harapan Gg. Hijrah - Pontianak Timur



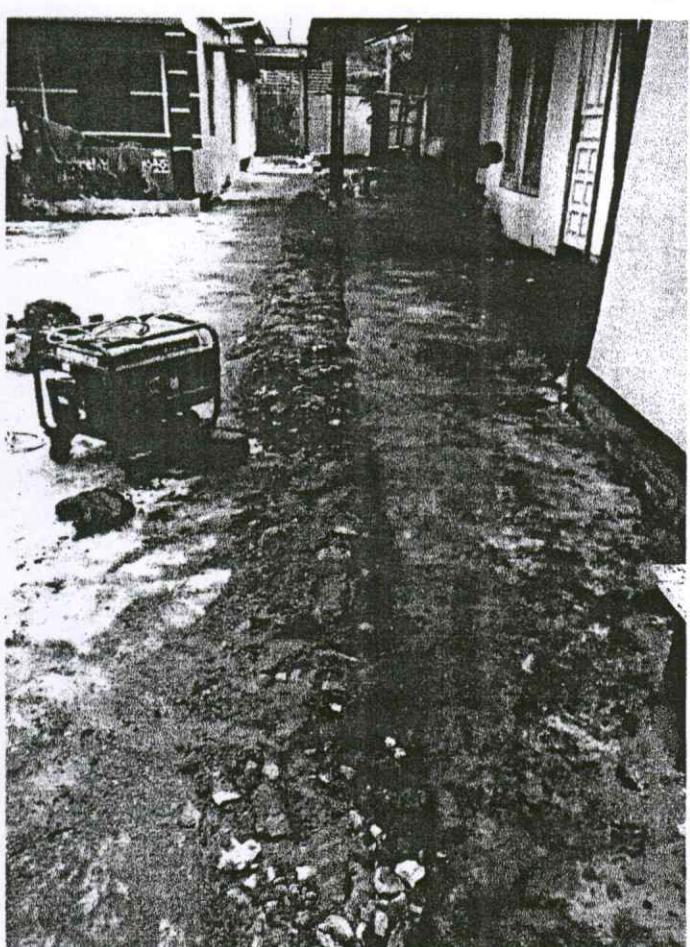
Pekerjaan Galian dan Bongkaran Rabat



Penempatan Pipa



Penempatan Pipa

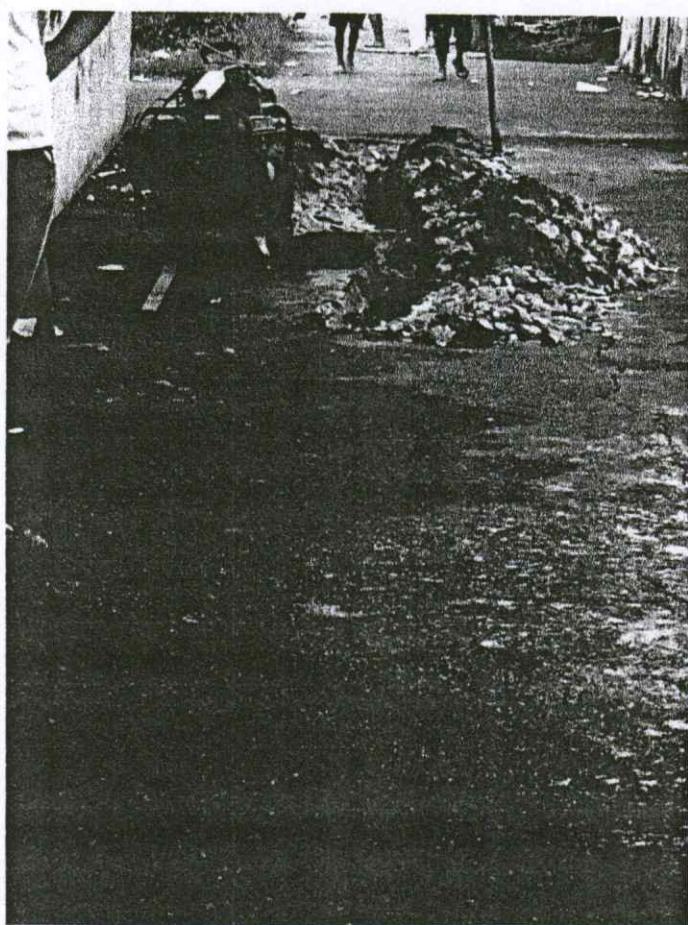


Urutan Galian

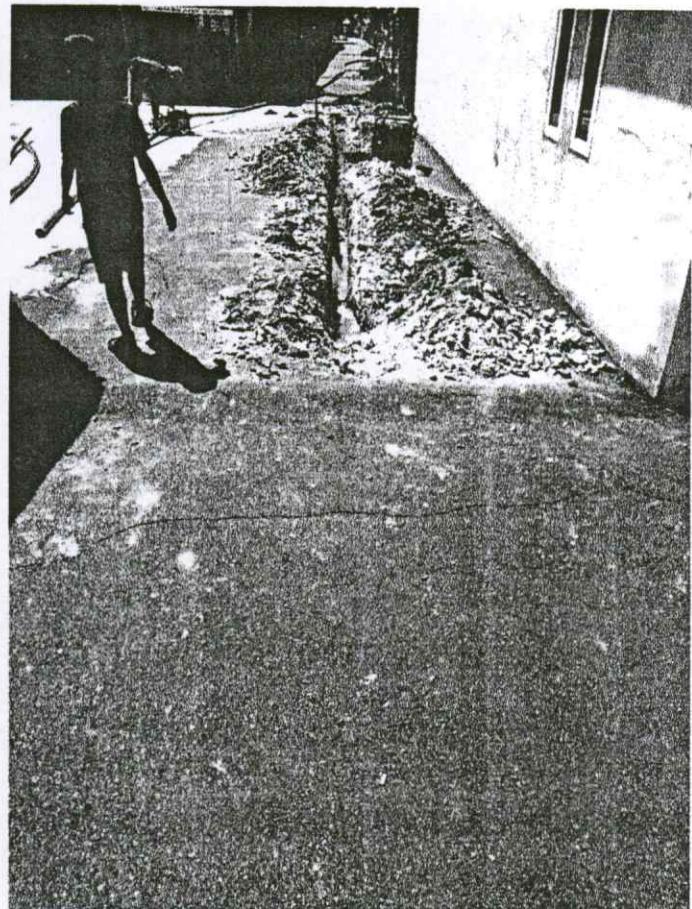
DOKUMENTASI PEKERJAAN (12)

Pekerjaan : Pengembangan Jaringan Pipa Distribusi Tertier (PE Ø 63 mm - 42 m)

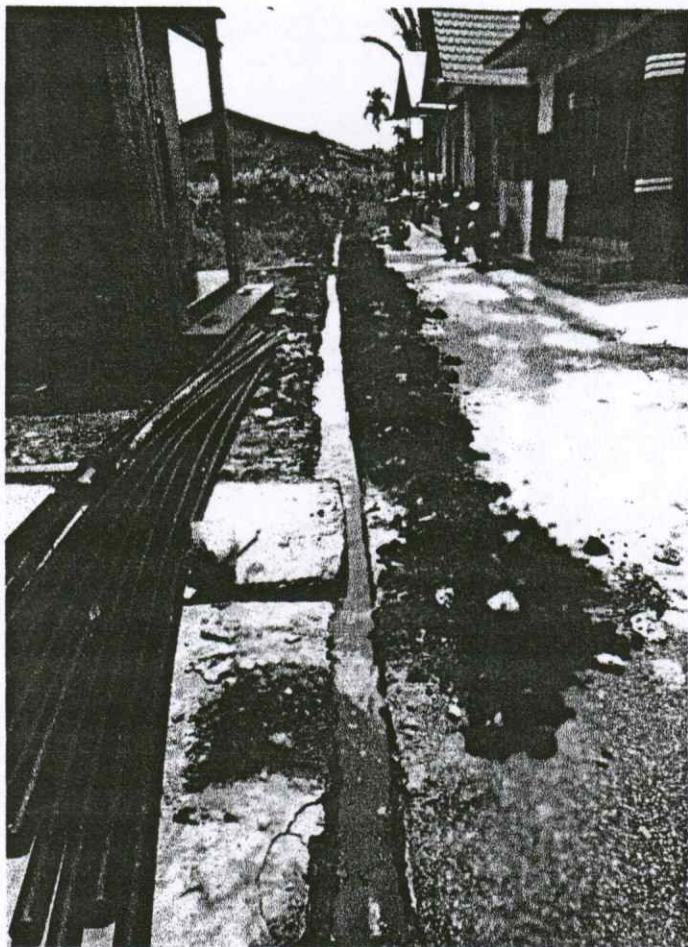
Lokasi : Jl. Tanjung Harapan Gg. Dusun Maya - Pontianak Timur



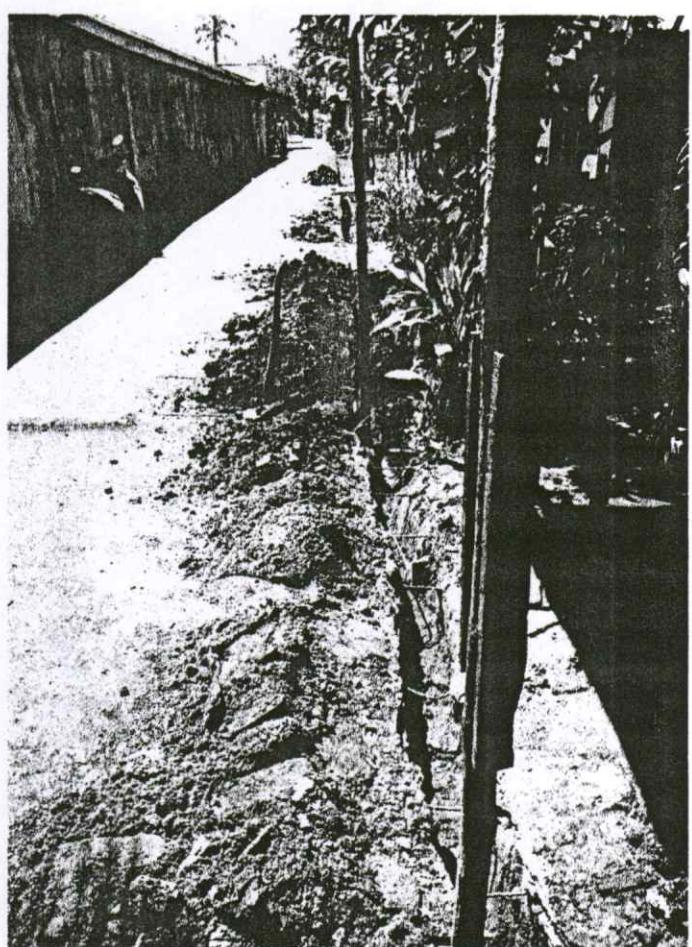
Pekerjaan Galian



Bongkaran Aspal



Penempatan Pipa

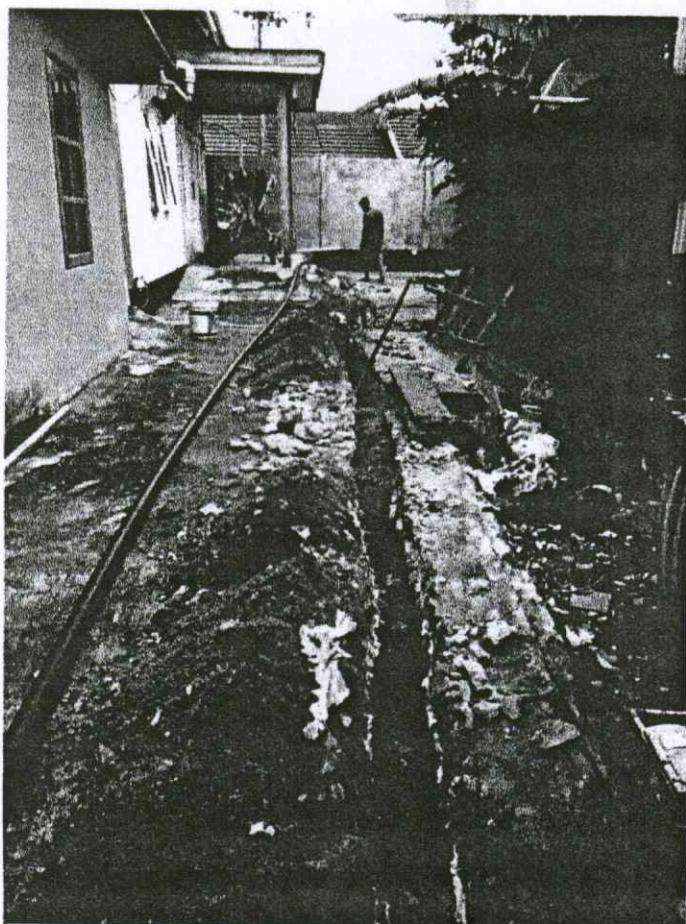


Urugan Galian

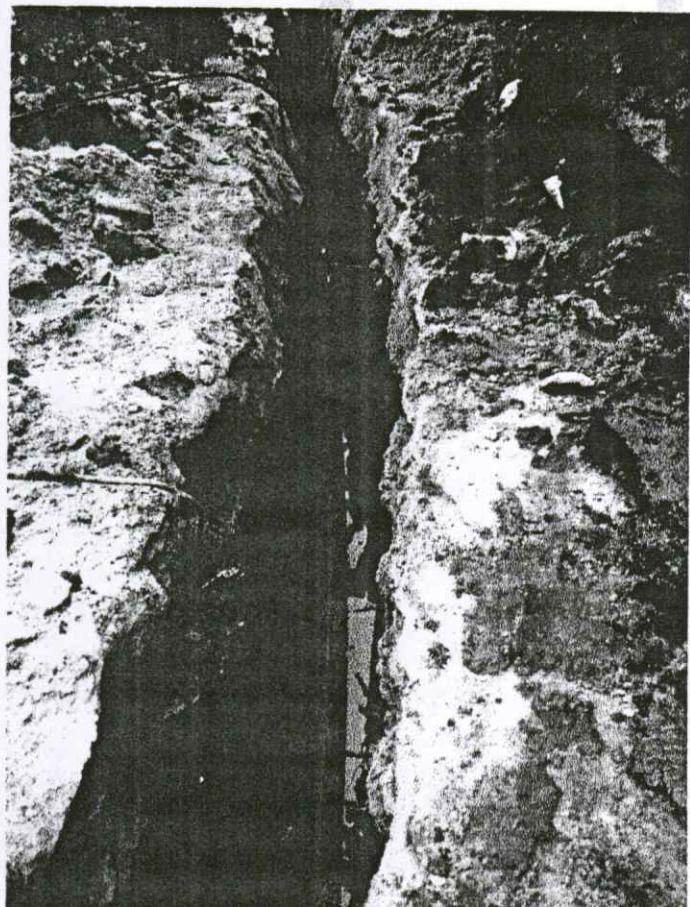
DOKUMENTASI PEKERJAAN (11)

Pekerjaan : Pengembangan Jaringan Pipa Distribusi Tertier (PE Ø 63 mm - 36 m)

Lokasi : Jl. Tanjung Harapan Gg. Hijrah - Pontianak Timur



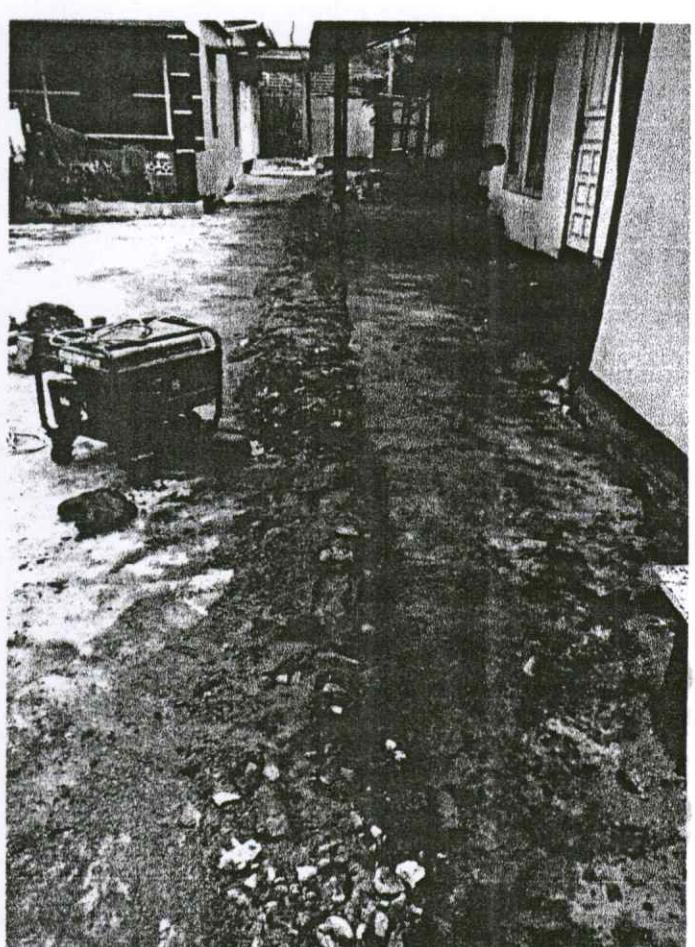
Pekerjaan Galian dan Bongkaran Rabat



Penempatan Pipa



Penempatan Pipa

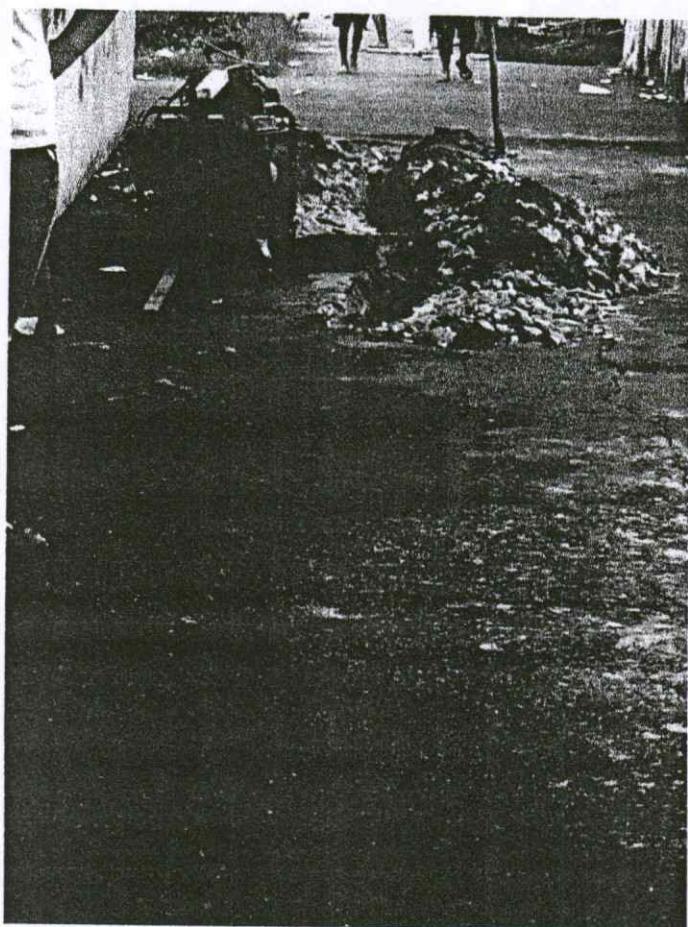


Urutan Galian

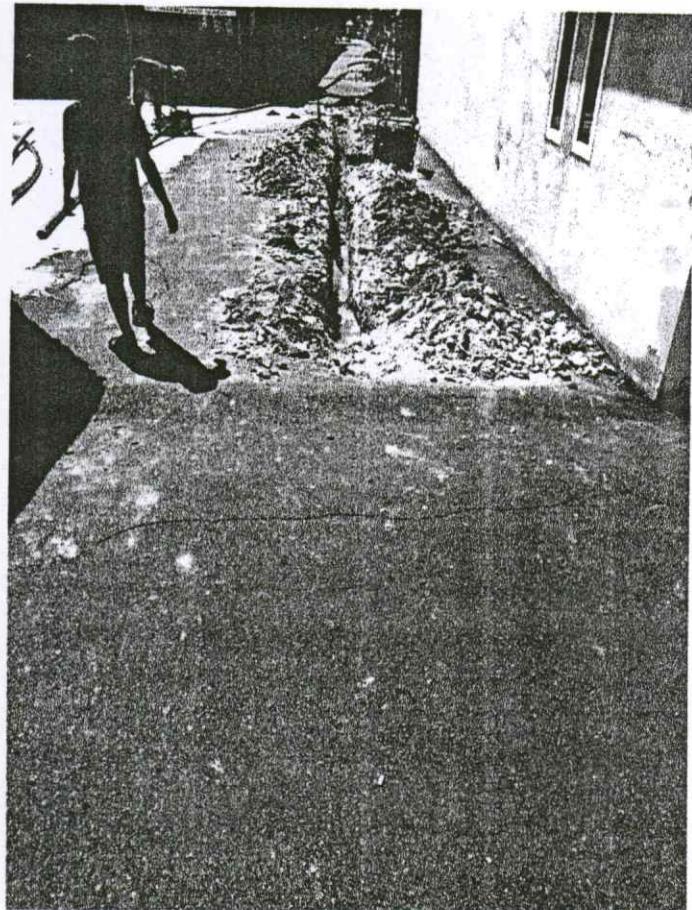
DOKUMENTASI PEKERJAAN (12)

Pekerjaan : Pengembangan Jaringan Pipa Distribusi Tertier (PE Ø 63 mm - 42 m)

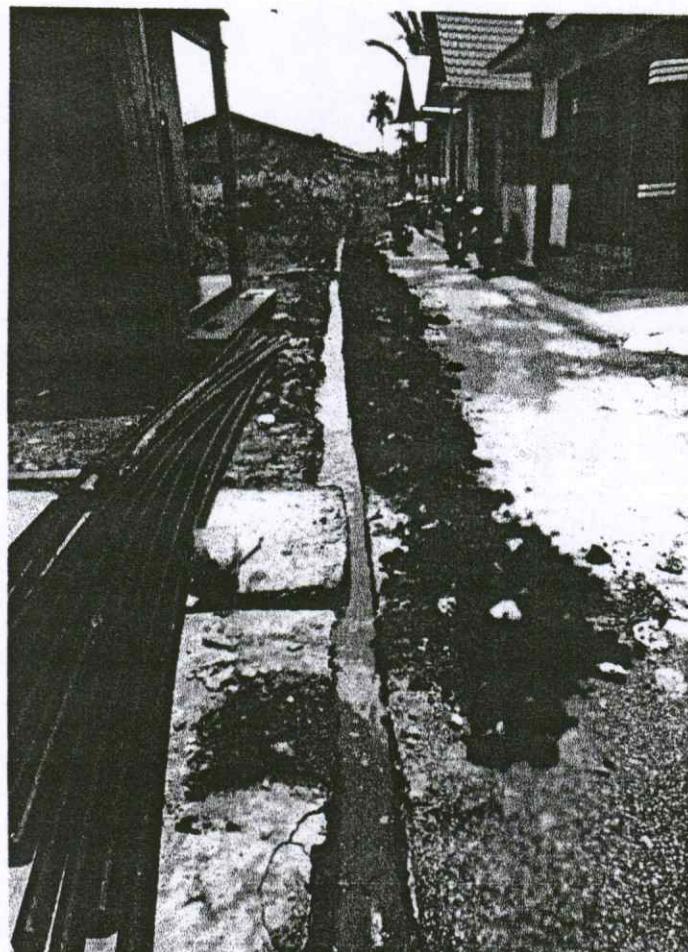
Lokasi : Jl. Tanjung Harapan Gg. Dusun Maya - Pontianak Timur



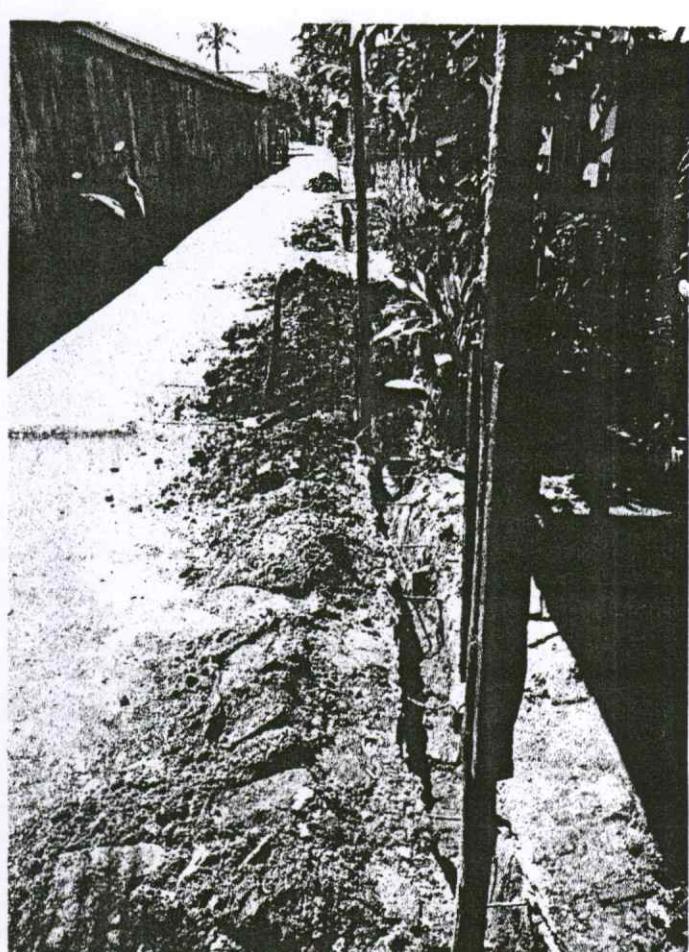
Pekerjaan Galian



Bongkaran Aspal



Penempatan Pipa

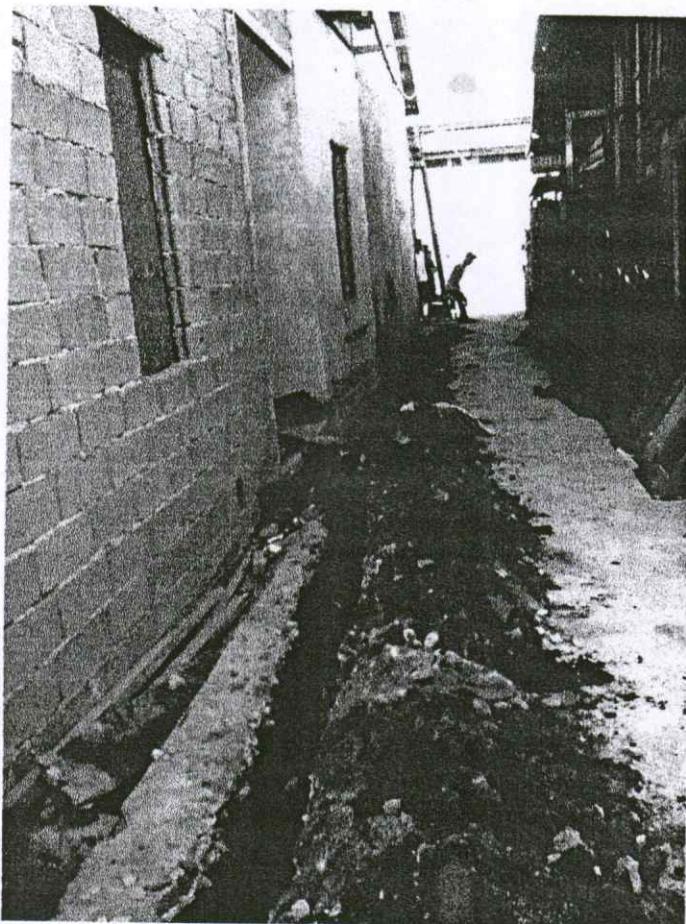


Urutan Galian

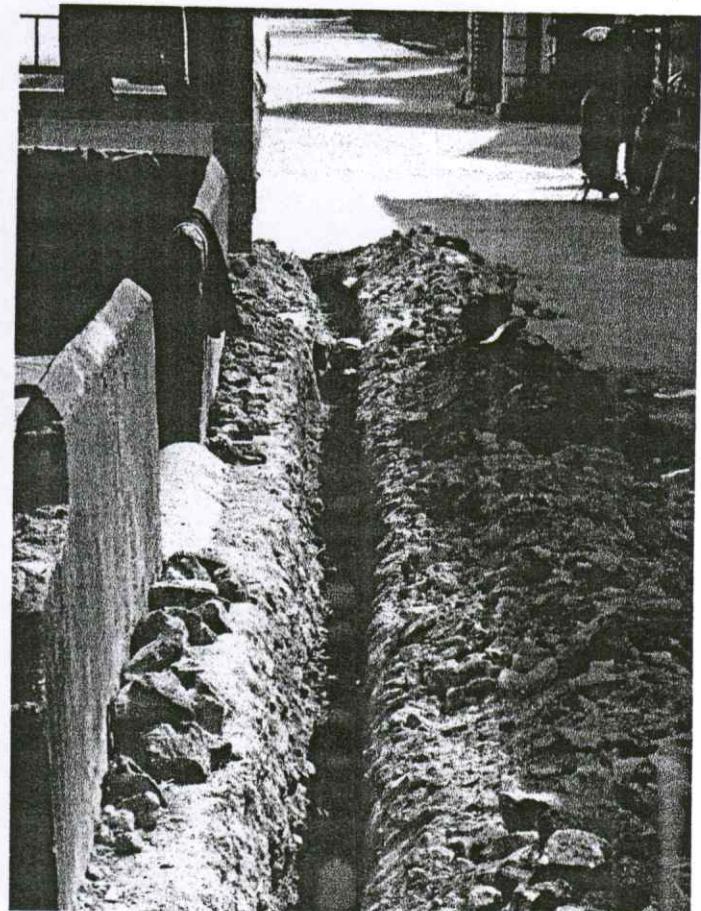
DOKUMENTASI PEKERJAAN (13)

Pekerjaan : Pengembangan Jaringan Pipa Distribusi Tertier (PE Ø 63 mm - 186 m)

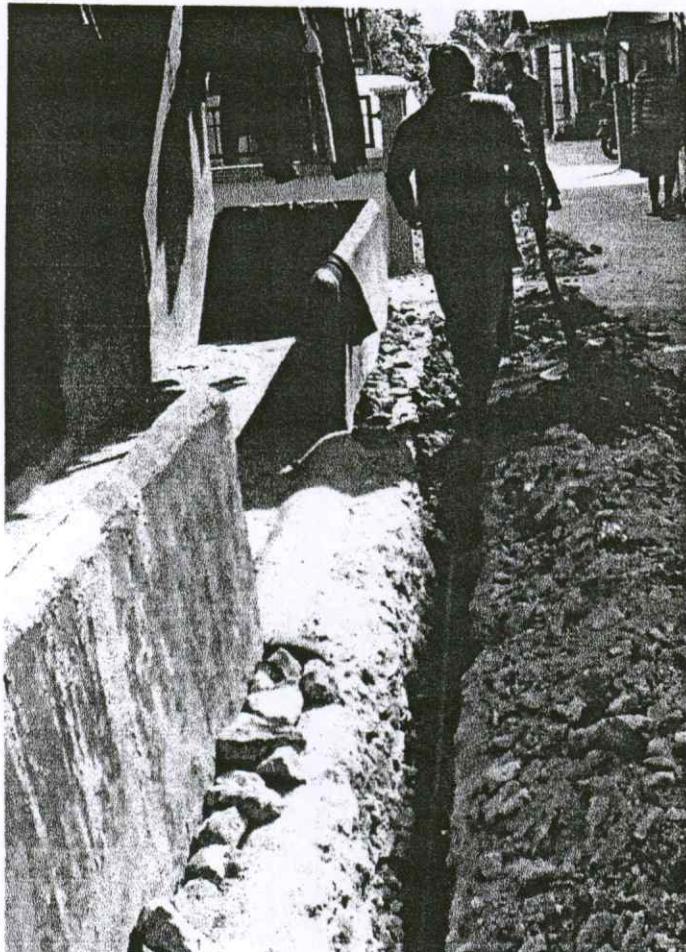
Lokasi : Jl. Tanjung Harapan Gg. 85 - Pontianak Timur



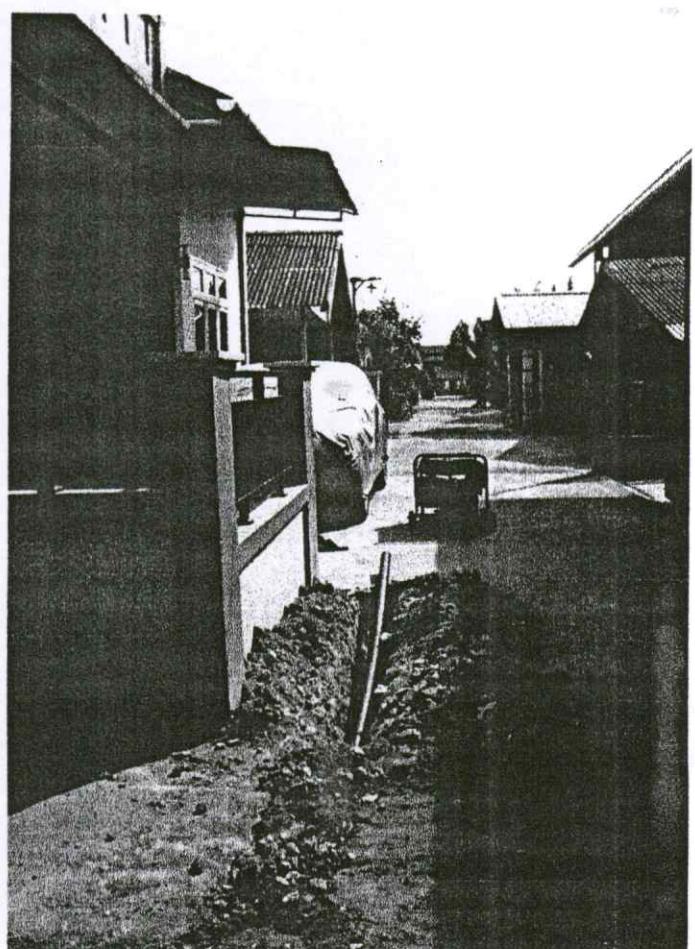
Pekerjaan Galian



Pekerjaan Galian dan Bongkaran Rabat



Penempatan Pipa



Urutan Galian

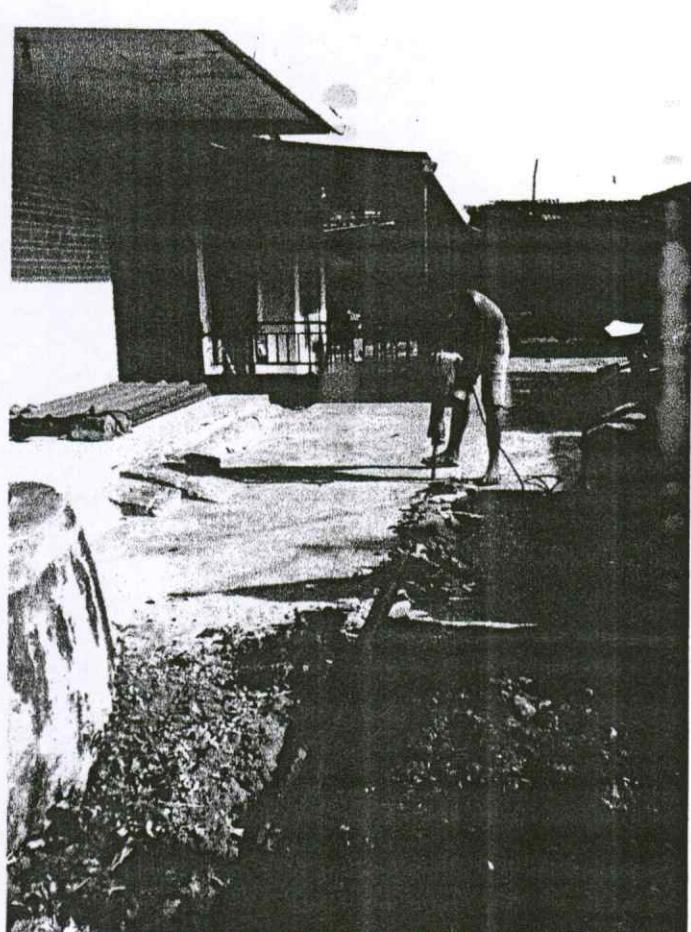
DOKUMENTASI PEKERJAAN (14)

Pekerjaan : Pengembangan Jaringan Pipa Distribusi Tertier (PE Ø 63 mm - 120 m)

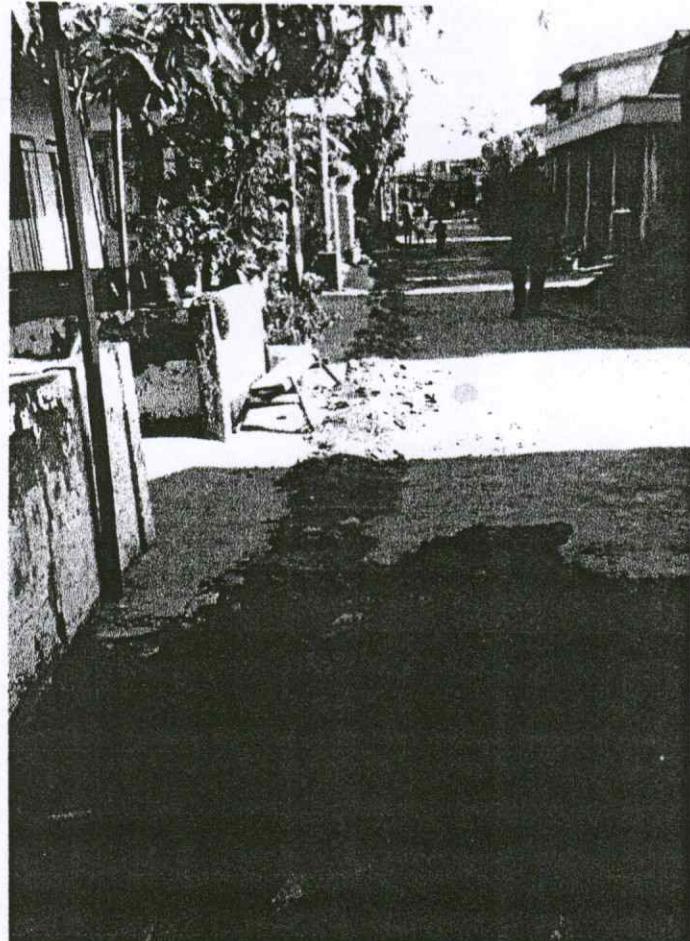
Lokasi : Jl. Tritura Gg. Berkat Sabar - Pontianak Timur



Pekerjaan Galian dan Bongkaran Rabat



Penempatan Pipa



Urugan Galian

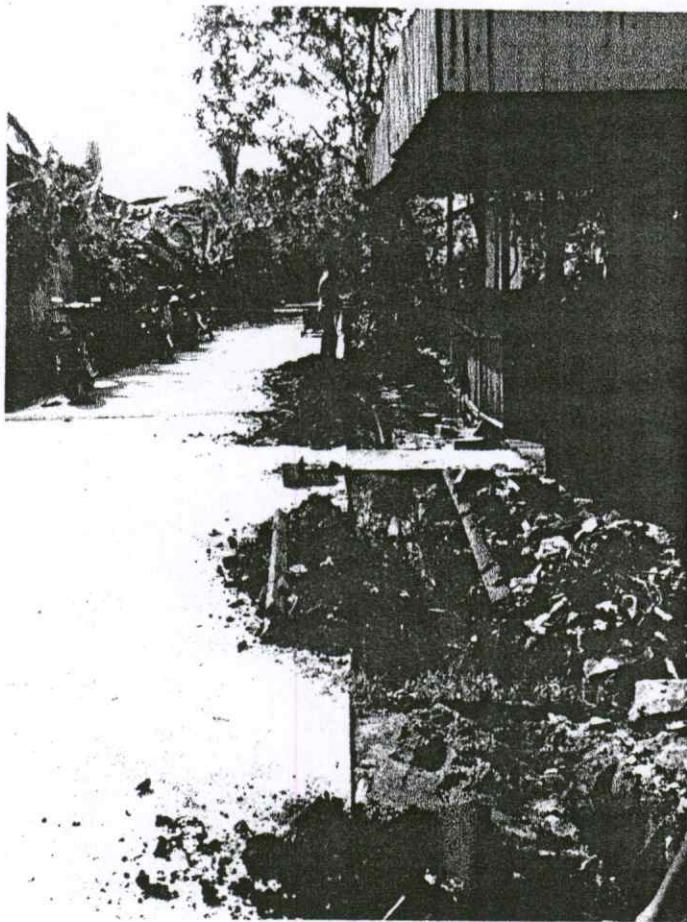


Perbaikan Jalan Rabat

DOKUMENTASI PEKERJAAN (15) R

Pekerjaan : Pengembangan Jaringan Pipa Distribusi Tertier (PE Ø 63 mm - 392 m)

Lokasi : Jl. Tritura Gg. Flower - Multi Jaya - Pontianak Timur



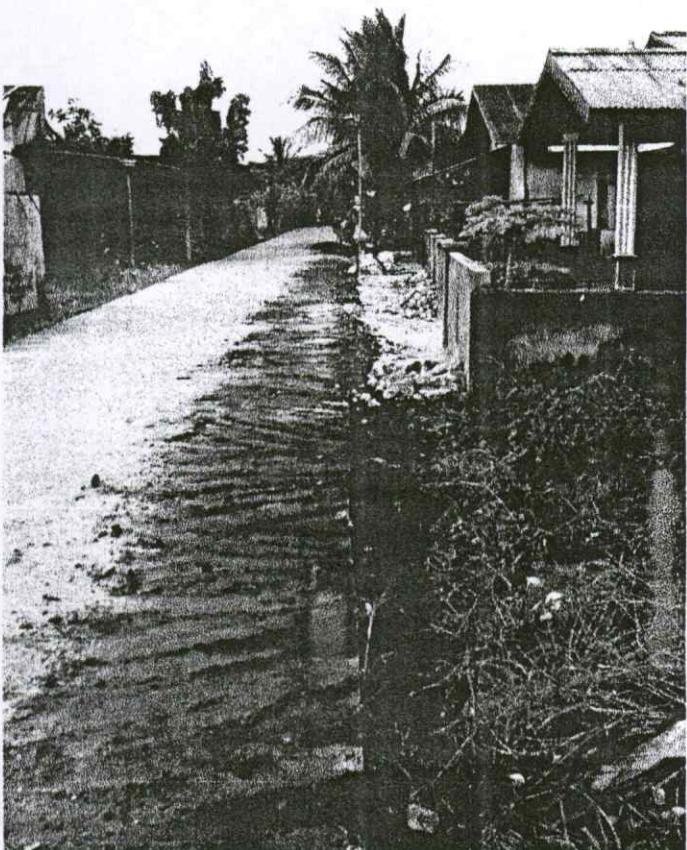
Pekerjaan Galian



Pengelasan Pipa PE



Penempatan Pipa



Urutan Galian

DOKUMENTASI PEKERJAAN (16)

Pekerjaan : Pengembangan Jaringan Pipa Distribusi Tertier (PE Ø 63 mm - 60 m)

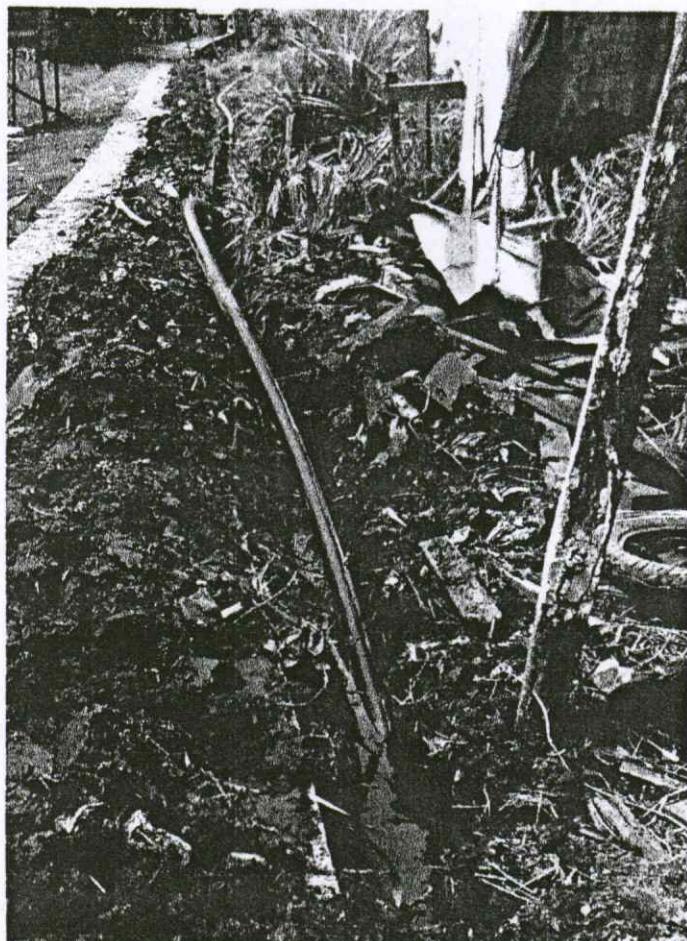
Lokasi : Jl. Tanjung Harapan Gg. H. Ali - Pontianak Timur



Pekerjaan Galian



Penempatan Pipa



Penempatan Pipa

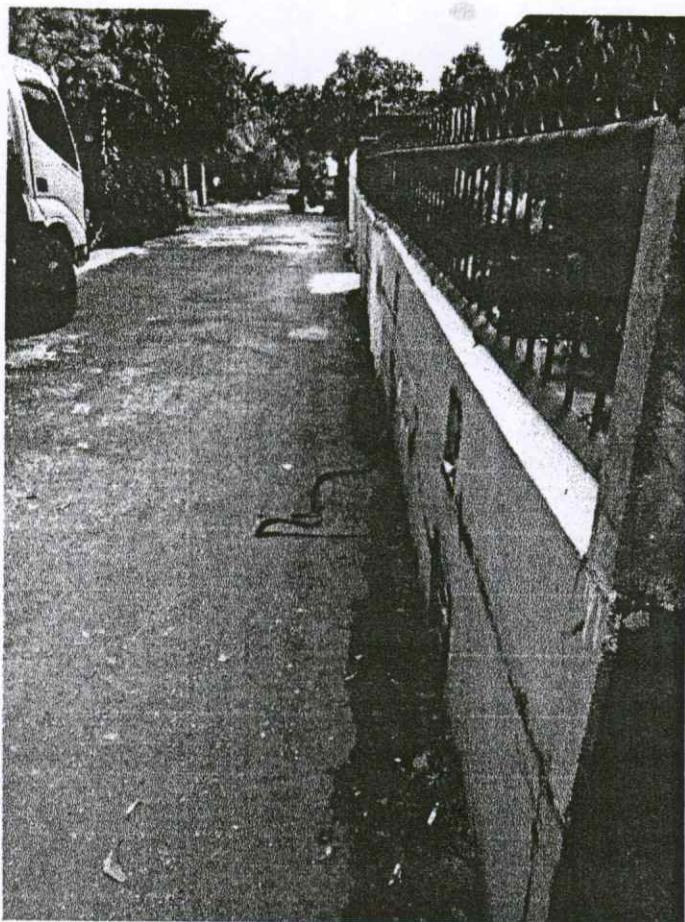


Uruhan Galian

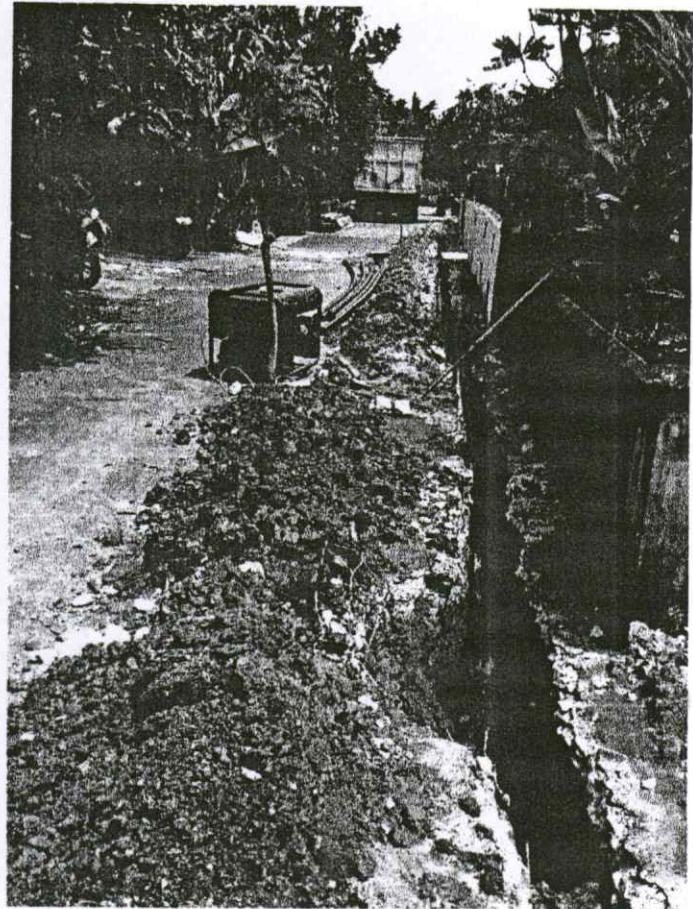
DOKUMENTASI PEKERJAAN (17)

Pekerjaan : Pengembangan Jaringan Pipa Distribusi Tertier (PE Ø 63 mm - 54 m)

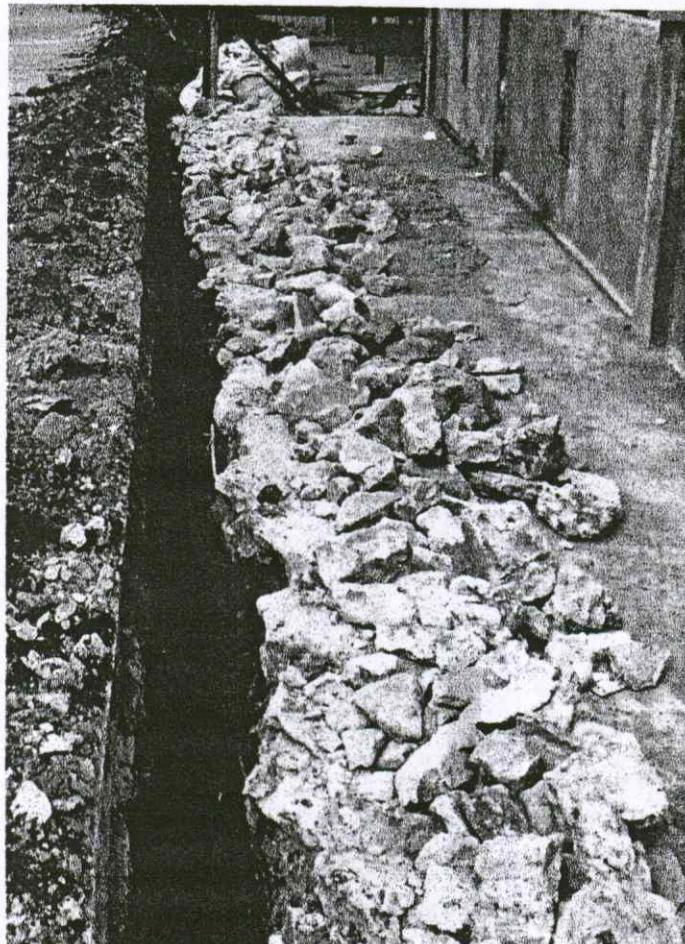
Lokasi : Jl. Tanjung Raya 2 Gg. Busri - Pontianak Timur



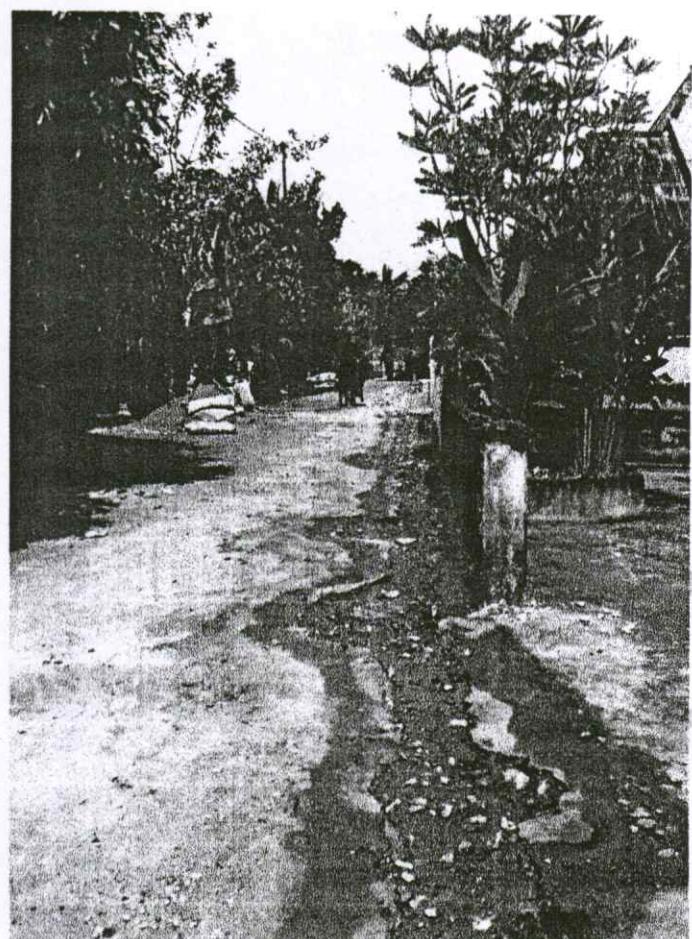
Kondisi Awal



Galian dan Bongkaran Rabat



Penempatan Pipa



Urutan Galian

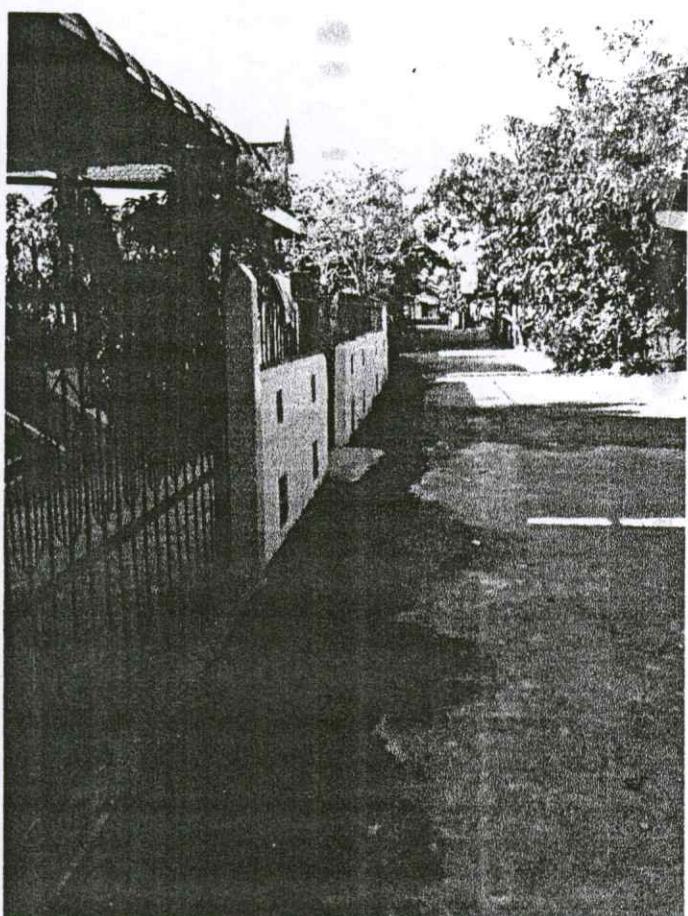
DOKUMENTASI PEKERJAAN

Pekerjaan : Pengembangan Jaringan Pipa Distribusi Tertier (PE Ø 63 mm - 54 m)

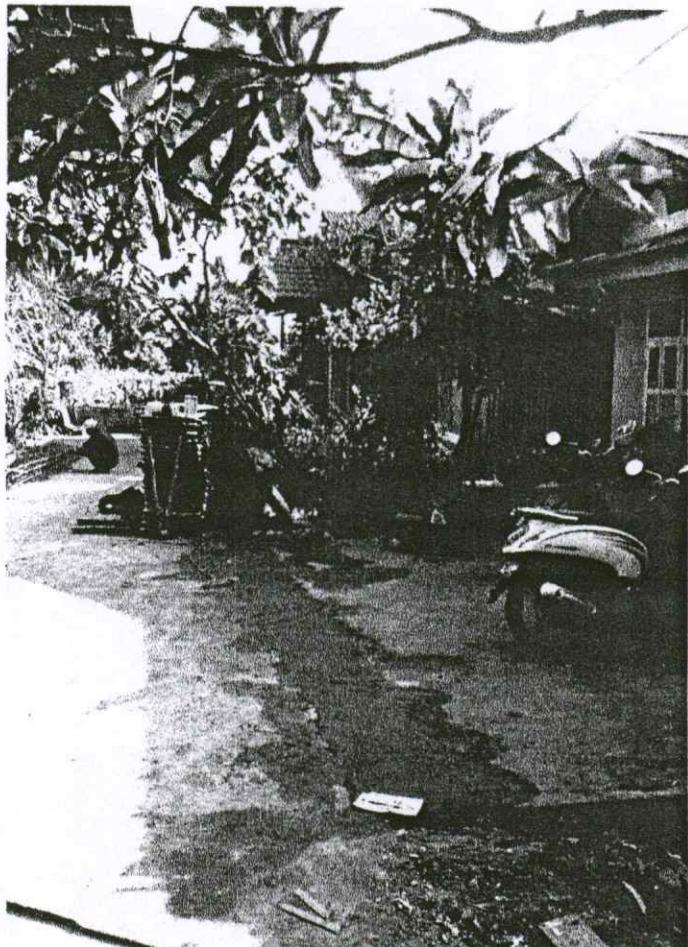
Lokasi : Jl. Tanjung Raya 2 Gg. Busri - Pontianak Timur



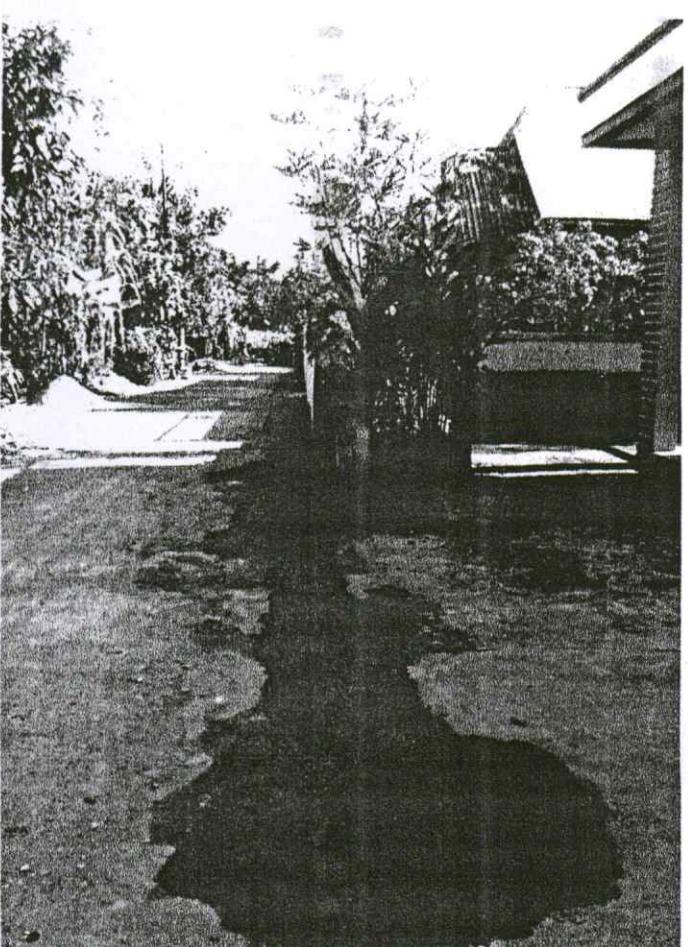
Perbaikan Jalan Rabat Beton



Perbaikan Jalan Rabat Beton



Perbaikan Jalan Rabat Beton



Perbaikan Jalan Rabat Beton

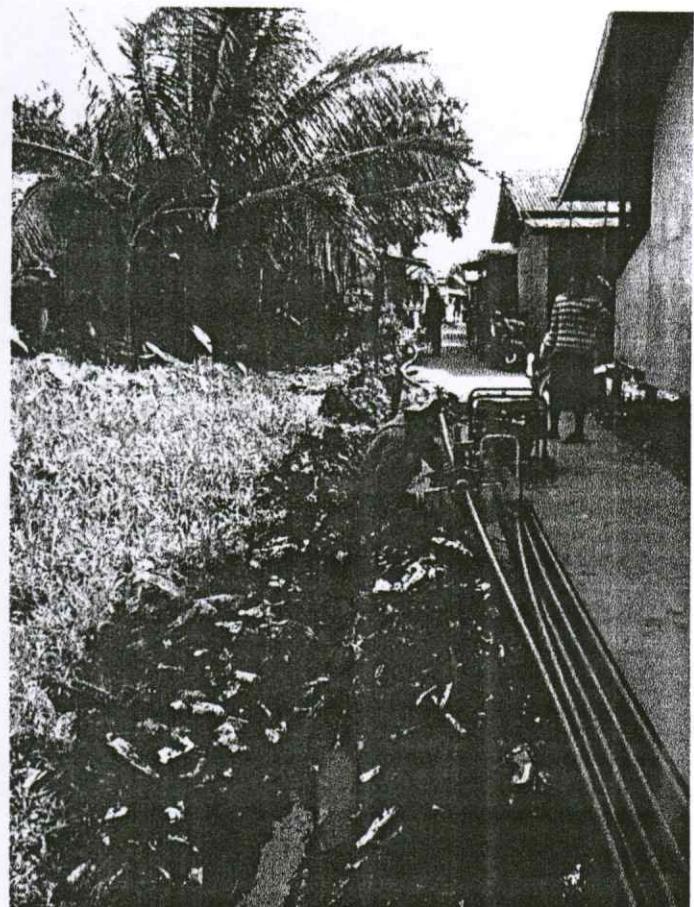
DOKUMENTASI PEKERJAAN (18)

Pekerjaan : Pengembangan Jaringan Pipa Distribusi Tertier (PE Ø 63 mm - 138 m)

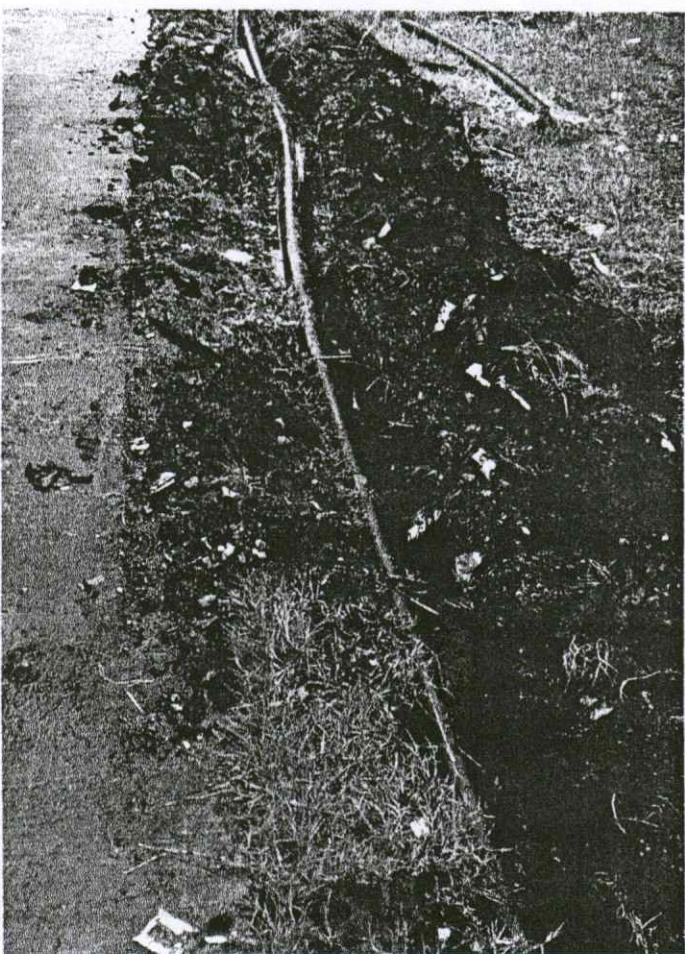
Lokasi : Jl. Tanjung Harapan Gg. M. Yunus - Pontianak Timur



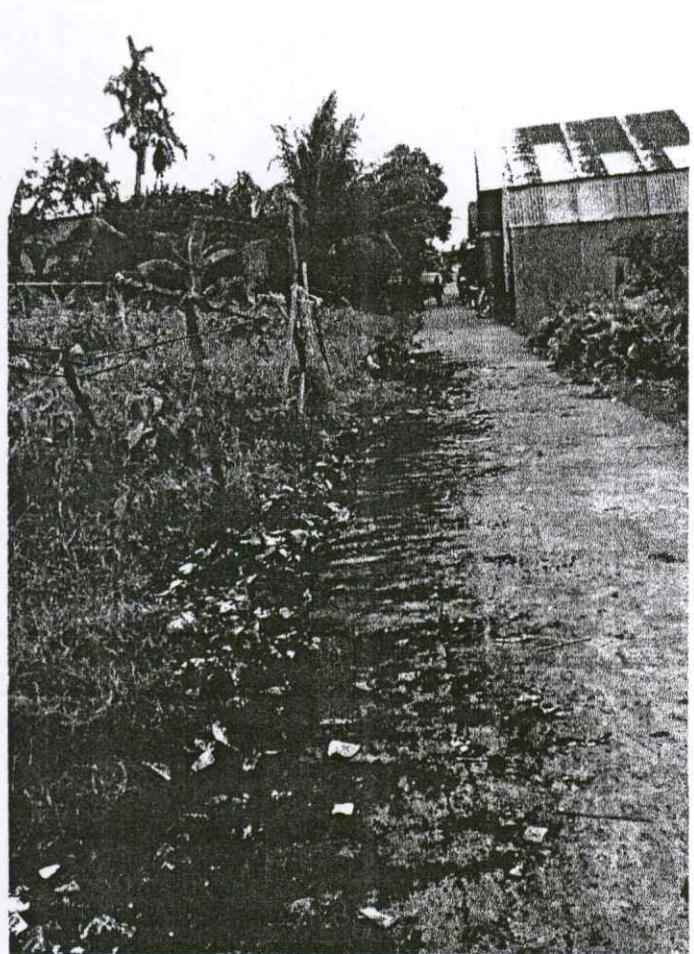
Pekerjaan Galian



Penyambungan Pipa



Penempatan Pipa



Urusan Galian

DOKUMENTASI PEKERJAAN (19) R

Pekerjaan : Pengembangan Jaringan Pipa Distribusi Tertier (PE Ø 63 mm - 42 m)

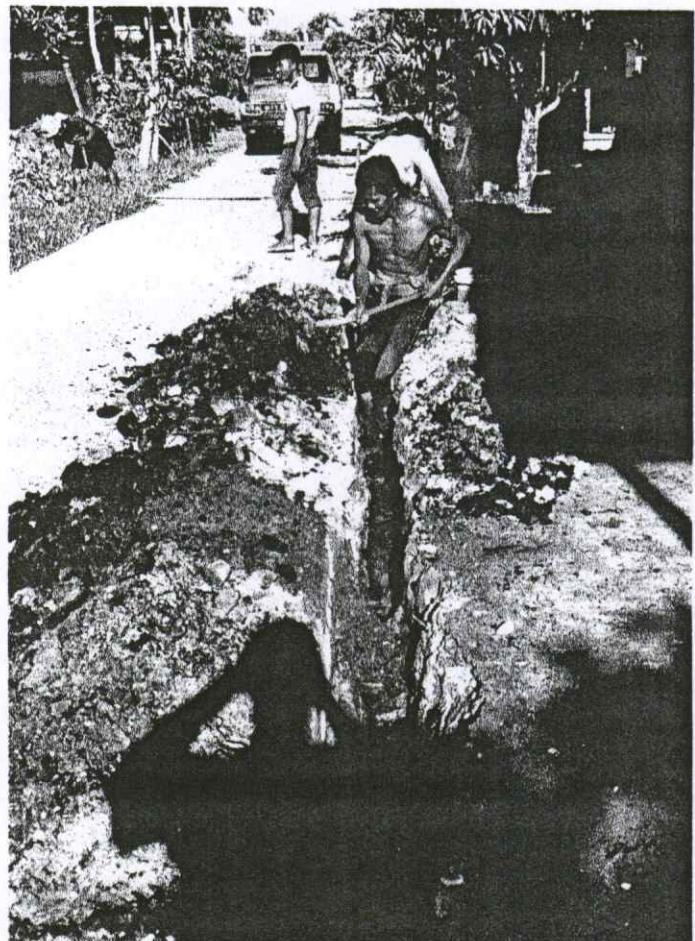
Lokasi : Jl. Tanjung Harapan Gg. H. Haris - Pontianak Timur



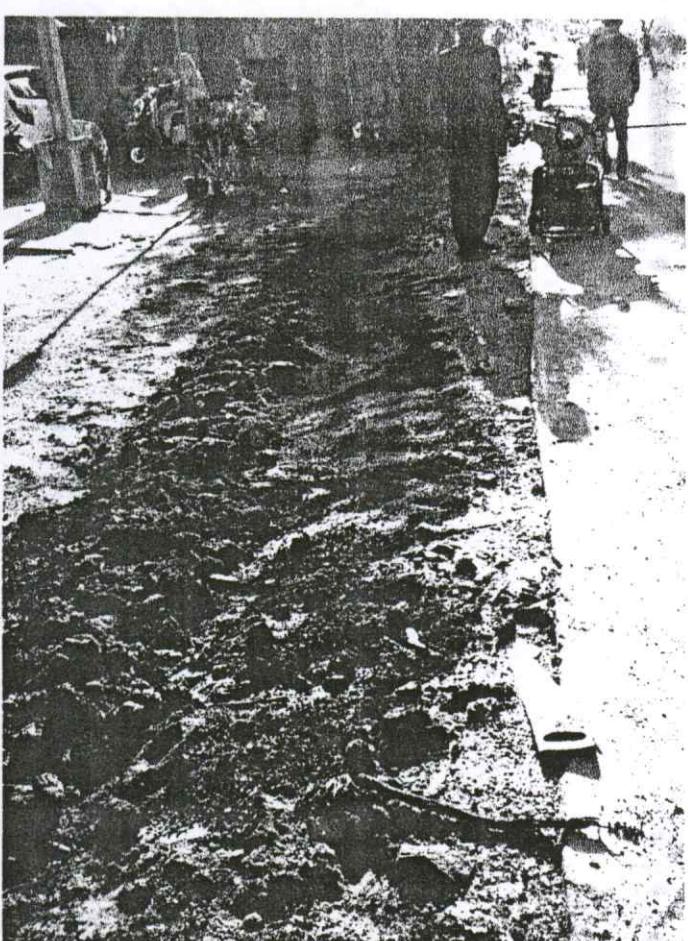
Pekerjaan Galian



Pengelasan Pipa PE



Penempatan Pipa

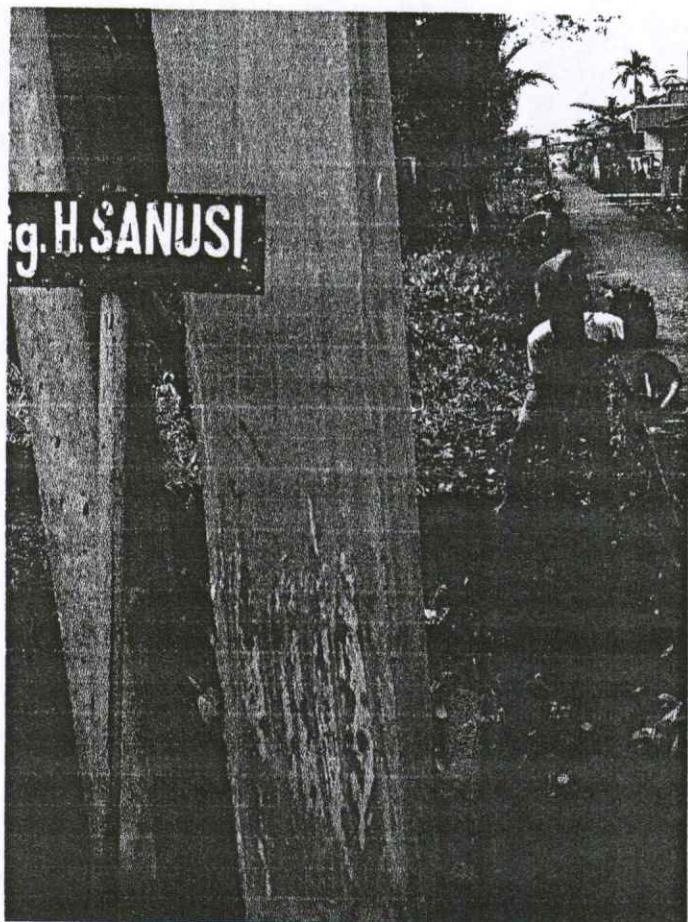


Uruan Galian

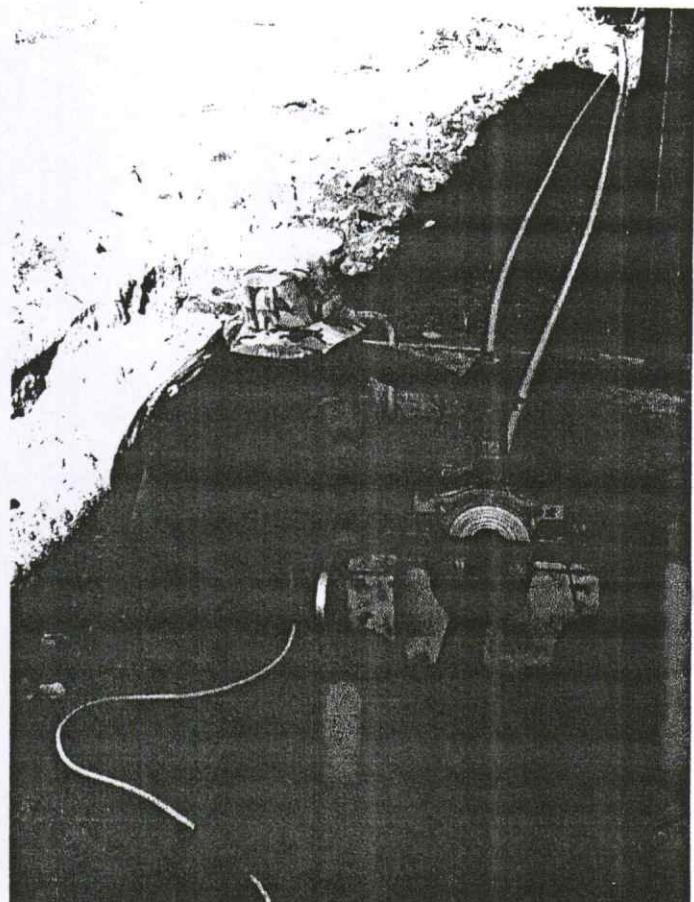
DOKUMENTASI PEKERJAAN (20)

Pekerjaan : Pengembangan Jaringan Pipa Distribusi Tertier (PE Ø 63 mm - 192 m)

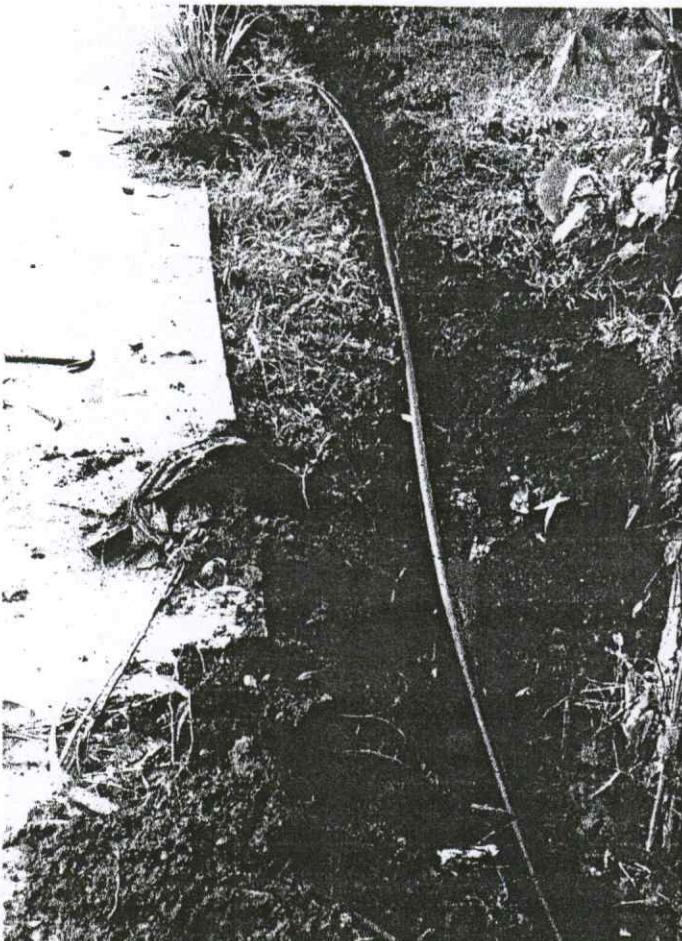
Lokasi : Jl. Tanjung Harapan Gg. H. Sanusi - Pontianak Timur



Pekerjaan Galian



Pengelasan Pipa PE



Penempatan Pipa

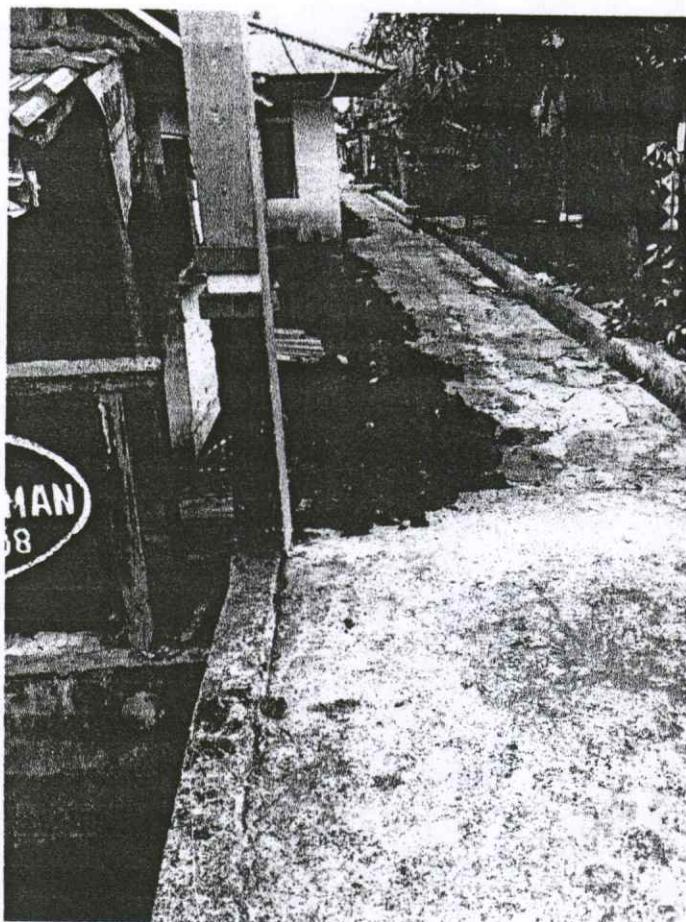


Urutan Galian

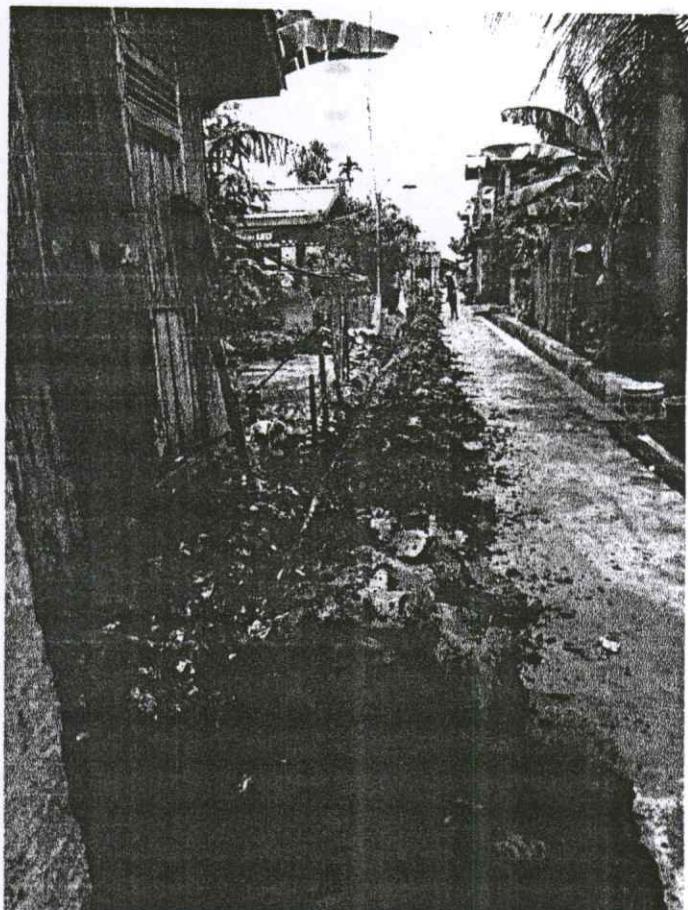
DOKUMENTASI PEKERJAAN (21) R

Pekerjaan : Pengembangan Jaringan Pipa Distribusi Tertier (PE Ø 90 mm - 180 m)

Lokasi : Jl. Tanjung Harapan Gg. Hasan Usman - Pontianak Timur



Pekerjaan Galian



Pengelasan Pipa PE



Penempatan Pipa

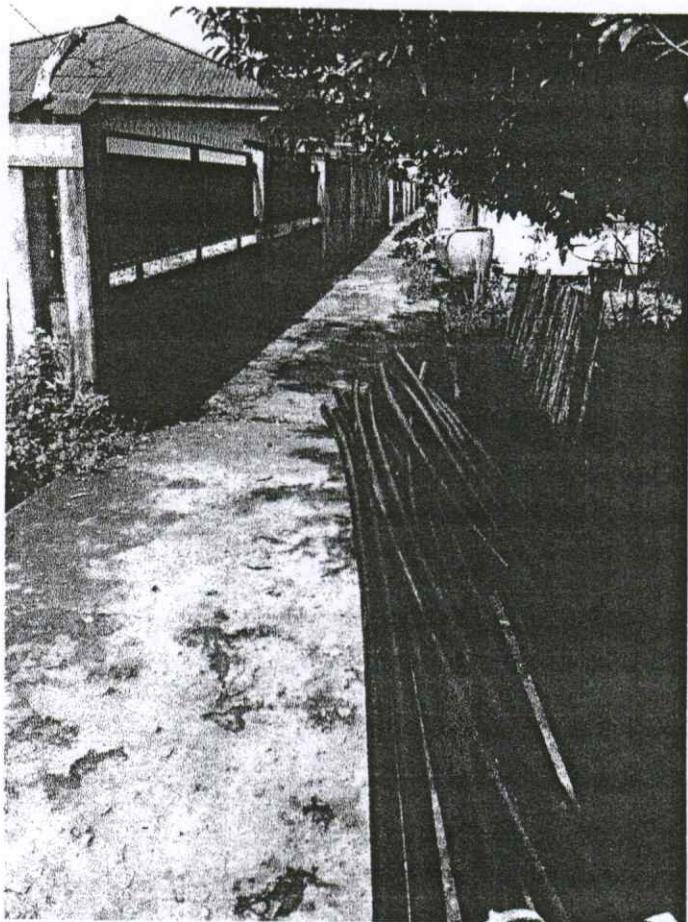


Urutan Galian

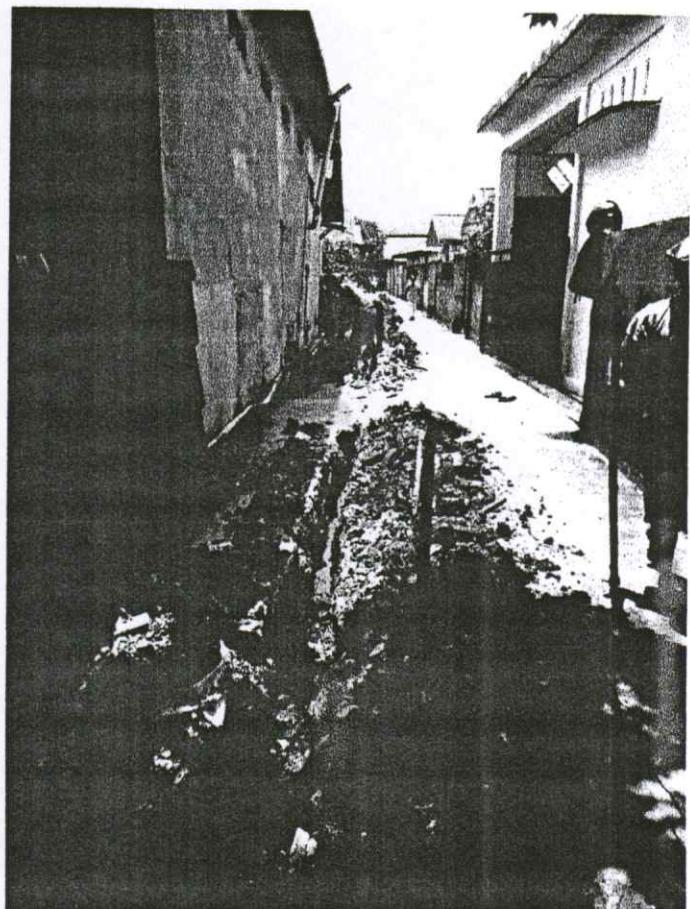
DOKUMENTASI PEKERJAAN (22)

Pekerjaan : Pengembangan Jaringan Pipa Distribusi Tertier (PE Ø 63 mm - 102 m)

Lokasi : Jl. Tanjung Harapan Gg. Masri - Pontianak Timur



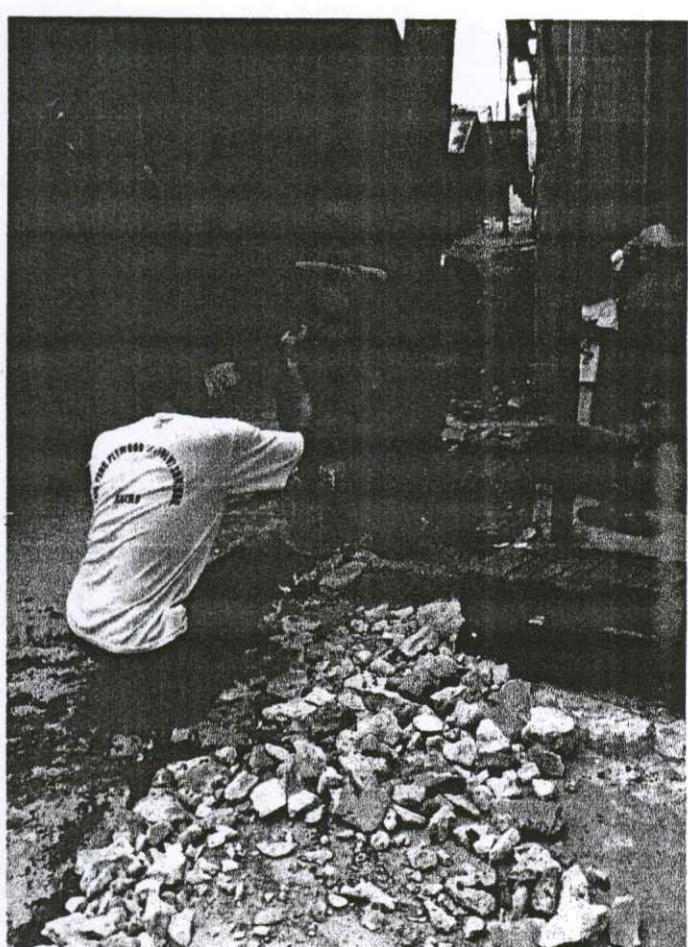
Pengelasan Pipa PE



Pekerjaan Galian



Penempatan Pipa

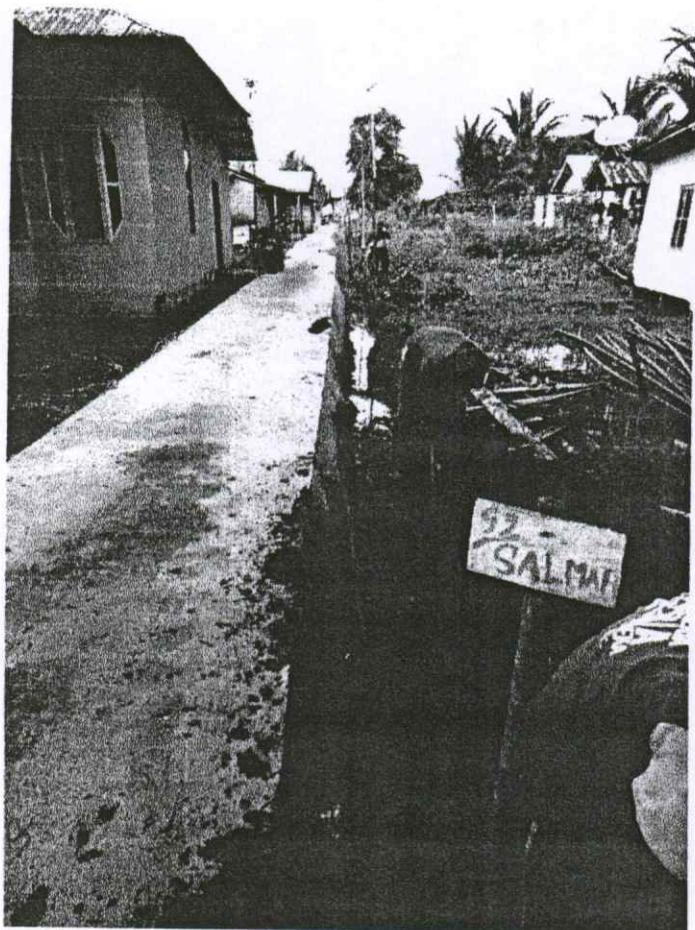


Urutan Galian

DOKUMEN TASI PEKERJAAN (23)

Pekerjaan : Pengembangan Jaringan Pipa Distribusi Tertier (PE Ø 63 mm - 90 m)

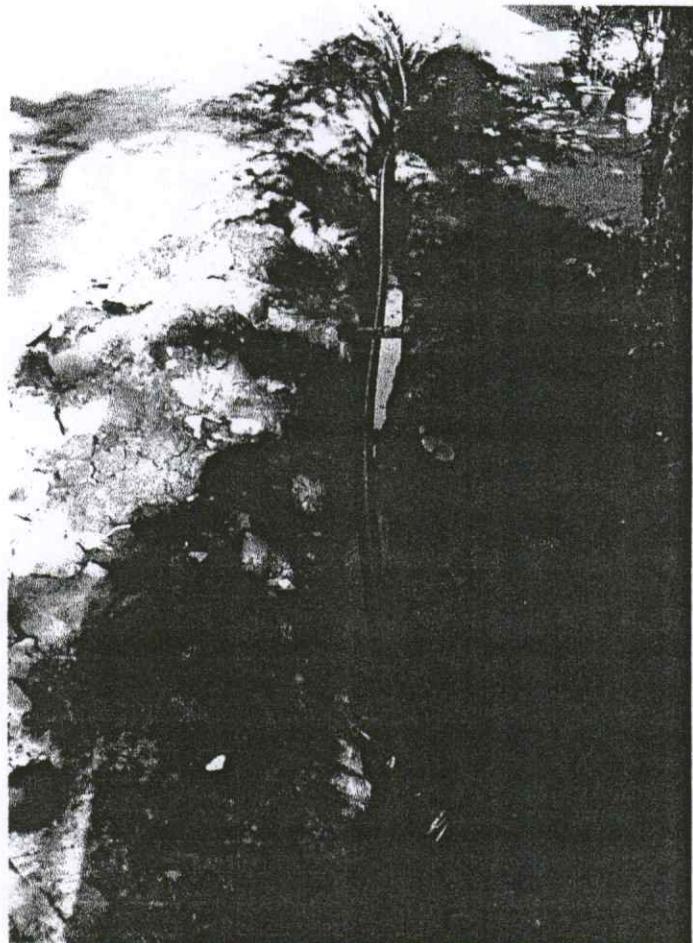
Lokasi : Jl. Tanjung Harapan Gg. Salmah - Pontianak Timur



Pekerjaan Galian



Pengelasan Pipa PE



Penempatan Pipa



Urutan Galian