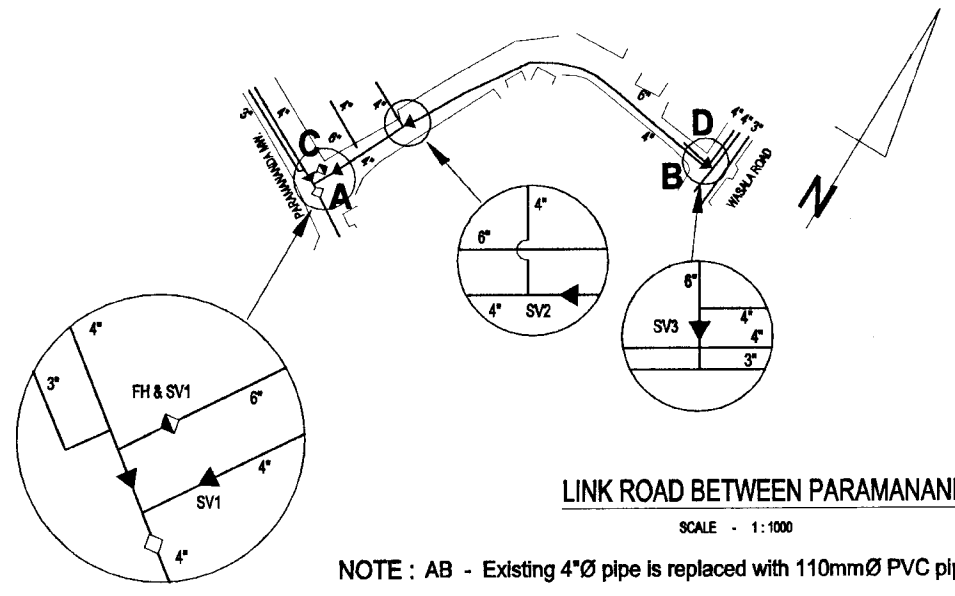



GROUND LEVEL (m)	9.00	8.00	7.00	6.00	5.00	4.50				
INVERT LEVEL (m)	7.99	6.99	5.99	4.99	3.99	3.49				
PIPE DETAILS	110mm Ø PVC									
CHAINAGE (m)	20.00	18.00	28.00	34.00	52.00	65.00	75.00	78.00	86.00	130.00
HORIZONTAL ANGLE (°)					22.5°	22.5°	22.5°			

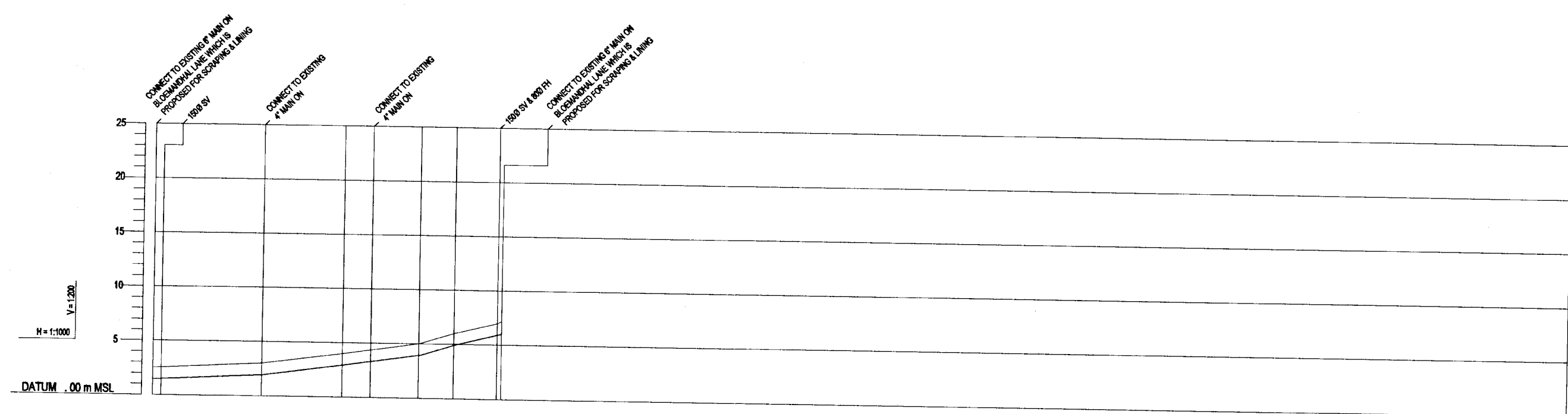
PROPOSED LS ALONG LINK ROAD BETWEEN PARAMANANDA MW. & WASALA ROAD
CHAINAGE 0.0 m - 130m



LINK ROAD BETWEEN PARAMANANDA MW& WASALA RD. PLAN
SCALE - 1:1000

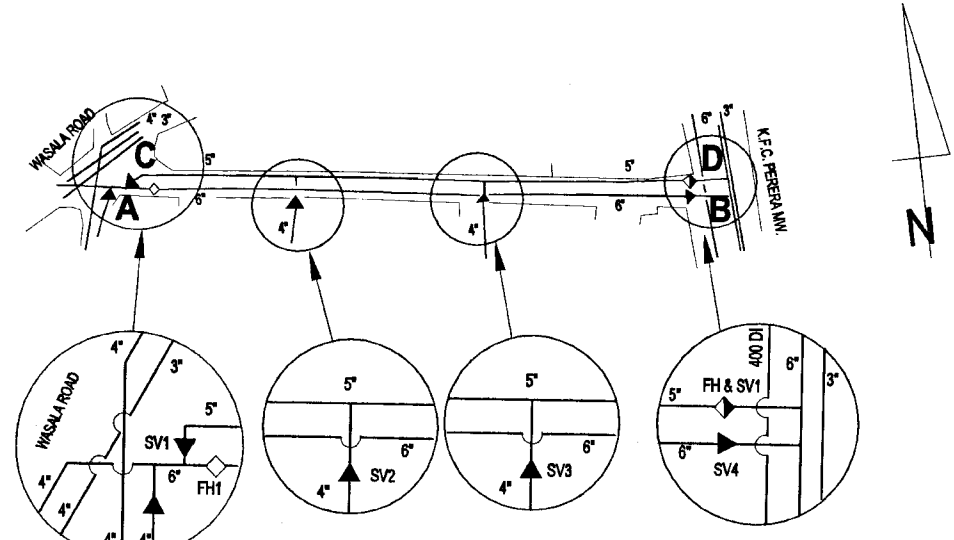
DO NOT SCALE

 NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA	SUB PROJECT: SMALL DIAMETER LINK ROAD BETWEEN PARAMANADA & WASALA ROAD	TITLE: PLAN & LONGITUDINAL SECTION LINK ROAD BETWEEN PARAMANADA & WASALA ROAD
	DESIGNED: [Signature] CHECKED: [Signature] DT. TEAM LEADER: [Signature] TEAM LEADER: [Signature]	DRAWN: THARANGA PA. (NRWSAPS) INCHARGE: [Signature] A.G.M (P&D) NUMBER: [Signature] D.G.M (P&D) NUMBER: [Signature]



GROUND LEVEL (m)	2.50	3.00	4.00	5.00	6.00	7.00	7.18
INVERT LEVEL (m)	1.44	1.94	2.94	3.94	4.94	5.94	6.12
PIPE DETAILS	160mm Ø PVC						
CHAINAGE (m)	0.00	50.00	87.00	100.00	122.00	138.00	158.00
HORIZONTAL ANGLE (°)							

PROPOSED LS ALONG BLOEMENDHAL LANE
CHAINAGE 0.0 m - 160m




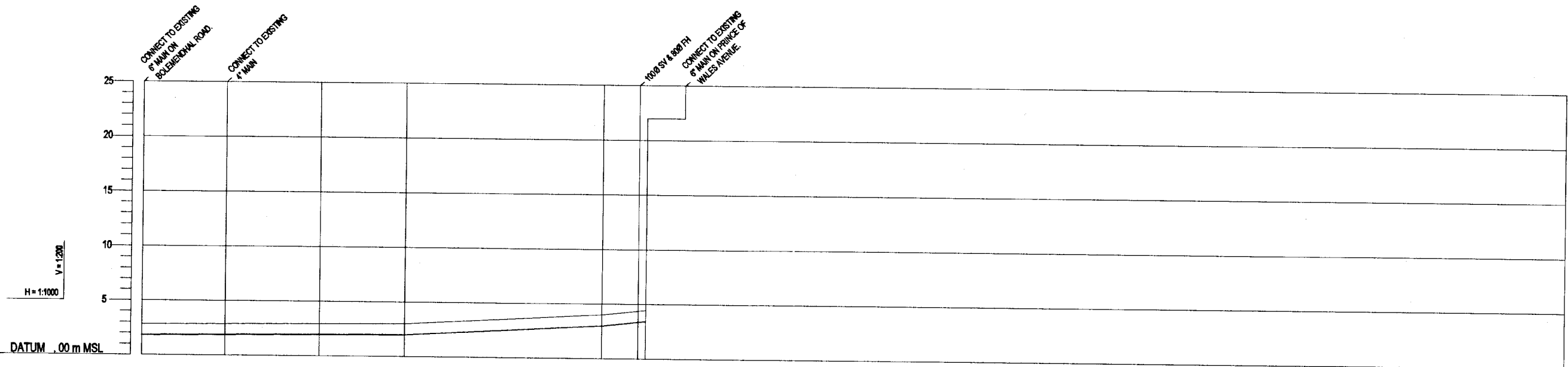
BLOEMENDHAL LANE PLAN

SCALE - 1:1000

NOTE :
AB - Existing 5"Ø pipe is replaced with 160Ø pipe

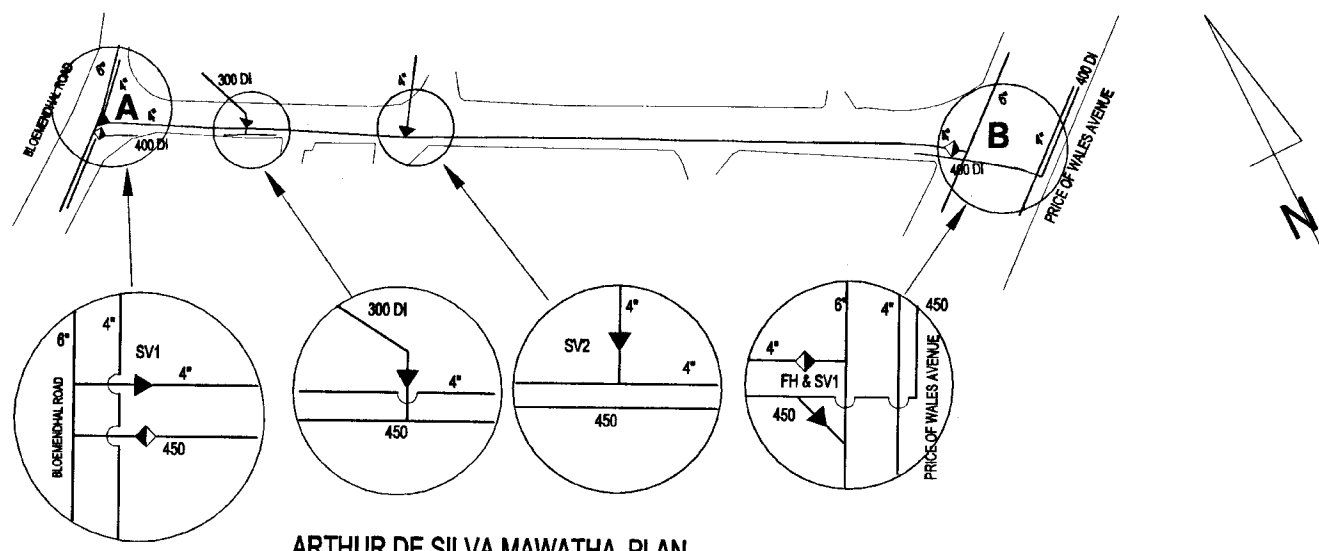
DO NOT SCALE	
REV.	DESCRIPTION

 NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA	SUB PROJECT:	TITLE:
	SMALL DIAMETER IN CMC (CB1)	PLAN & LONGITUDINAL SECTION BLOEMENDHAL LANE
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM NISON SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN	DESIGNED: <i>[Signature]</i>	DATE: JAN. 2001
	CHECKED: <i>[Signature]</i>	CONTRACT No: NRW / CW
	DR. TEAM LEADER: <i>[Signature]</i>	DRG. No: RS/DMRP - 49
	TEAM LEADER: <i>[Signature]</i>	



GROUND LEVEL (m)	2.80		3.00		4.00	4.44
INVERT LEVEL (m)	1.79		1.99		2.99	3.43
PIPE DETAILS	110mm Ø PVC					
CHAINAGE (m)	00.00	38.00	81.00	120.00	210.00	230.00
HORIZONTAL ANGLE (°)						

PROPOSED LS ALONG ARTHUR DE SILVA MAWATHA
CHAINAGE 0.0 m - 230m




ARTHUR DE SILVA MAWATHA PLAN

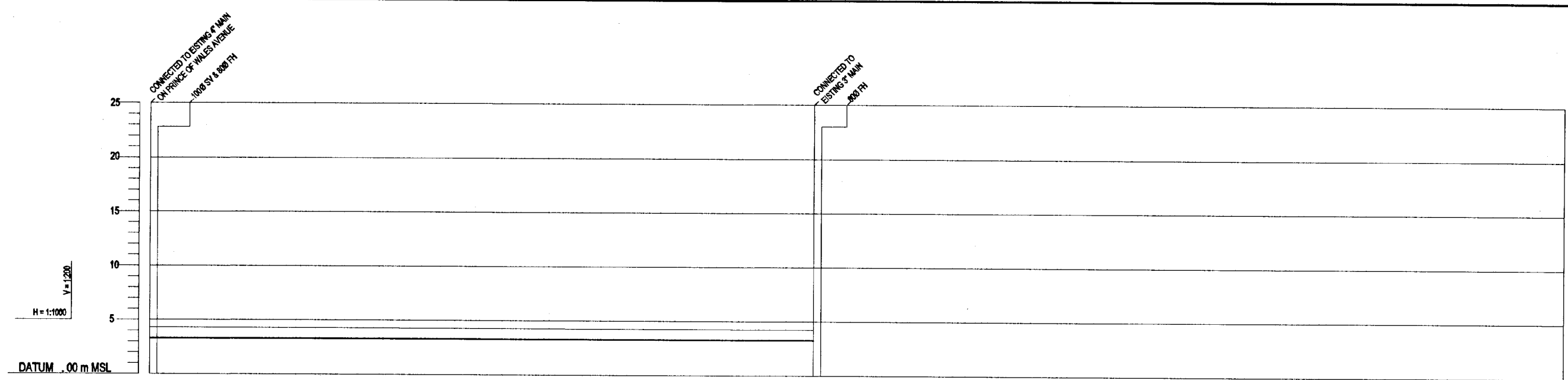
SCALE - 1:1000

NOTE : AB - Existing 4"Ø pipe is replaced with 110mmØ PVC pipe

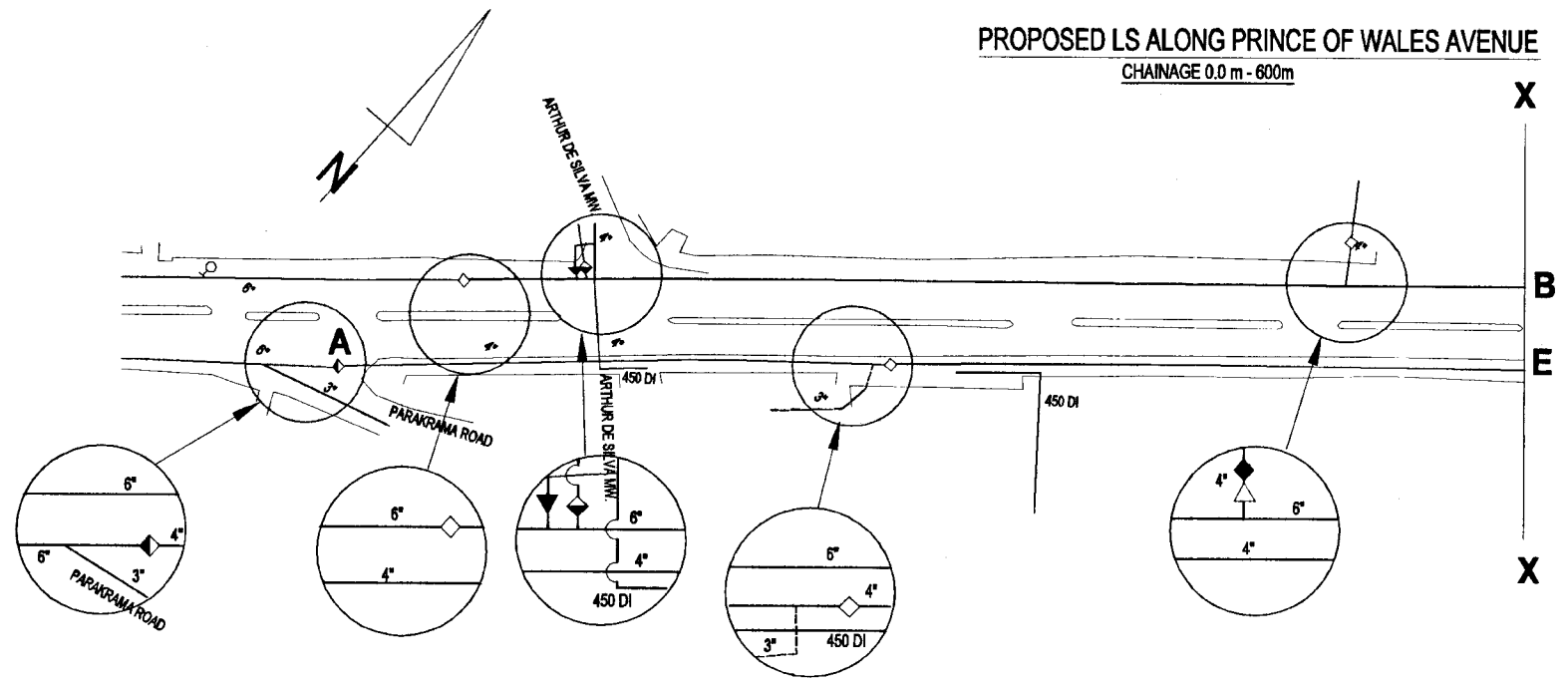
DO NOT SCALE

 <p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p>	<p>SUB PROJECT: SMALL DIAMETER IN CMC (CB1)</p>	<p>TITLE: PLAN & LONGITUDINAL SECTION ARTHUR DE SILVA MAWATHA</p>
	<p>DESIGNED: [Signature]</p>	<p>DRAWN: THARANCA</p>
<p>CHECKED: [Signature]</p>	<p>FM (PPWSAP'S) INCHARGE: [Signature]</p>	<p>CONTRACT No: NRW / CW</p>
<p>DR. TEAM LEADER: [Signature]</p>	<p>A.S.M (PWS) INCHARGE: [Signature]</p>	<p>DRG. No: RS/DM/RP - 50</p>
<p>TEAM LEADER: [Signature]</p>	<p>D.G.M (PWS) INCHARGE: [Signature]</p>	

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
STUDY TEAM
NIHON SUIDO CONSULTANTS CO. LTD.,
TOKYO, JAPAN



GROUND LEVEL (m)	4.30	4.28
INVERT LEVEL (m)	3.25	3.25
PIPE DETAILS	110mm Ø PVC	
CHAINAGE (m)	0.00	305.00
HORIZONTAL ANGLE (°)		

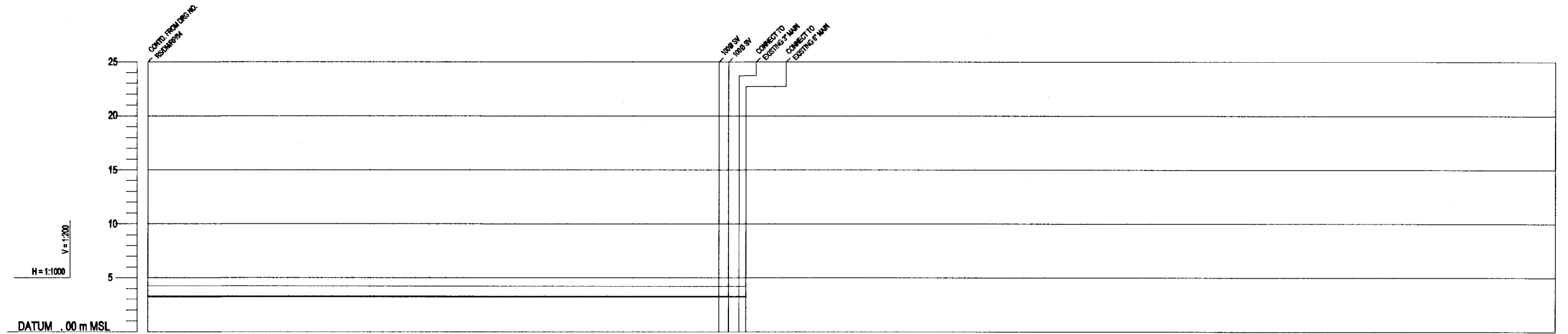


PRINCE OF WALES AVENUE PLAN
SCALE - 1:1000

NOTE :
AB - Existing 4"Ø pipe is replaced with 110mmØ PVC pipe

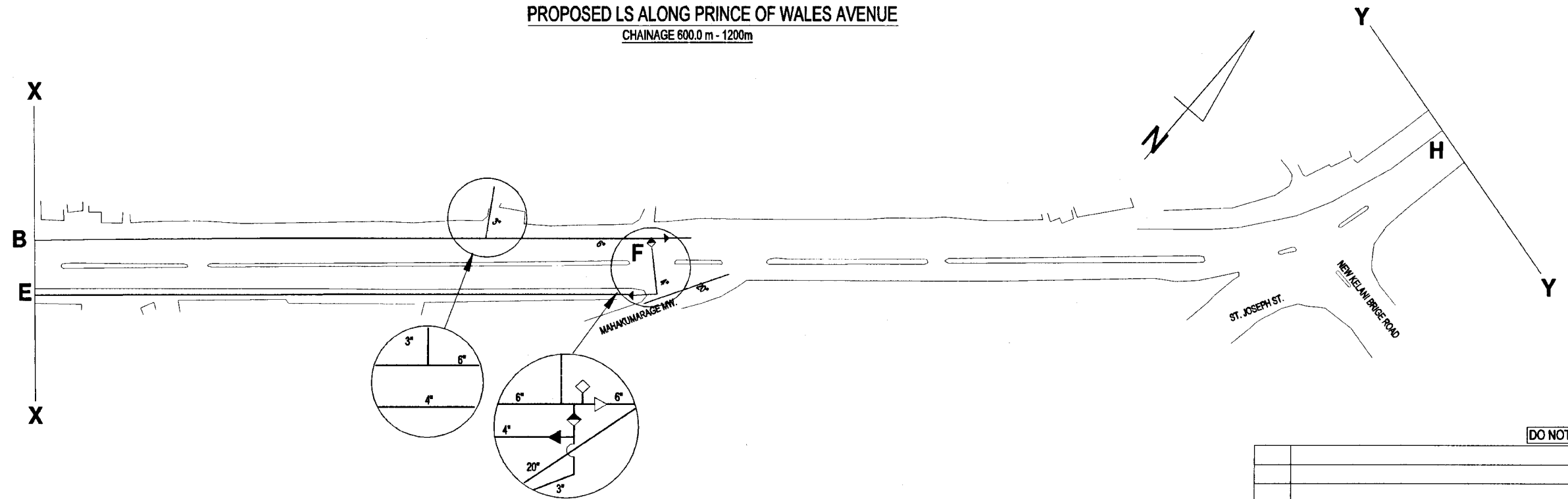
DO NOT SCALE

<p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p>	<p>SUB PROJECT: SMALL DIAMETER IN CMC (CB1)</p>	<p>TITLE: PLAN & LONGTUDINAL SECTION PRINCE OF WALES AVENUE</p>
	<p>DESIGNED: [Signature]</p>	<p>DRINK: THARANGA</p>
<p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM</p>	<p>CHECKED: [Signature]</p>	<p>CONTRACT No: NRW / CW</p>
<p>NIHON SUDO CONSULTANTS CO. LTD., TOKYO, JAPAN</p>	<p>DR. TEAM LEADER: [Signature]</p>	<p>DRG. No: RS/DMWRP-52</p>
	<p>TEAM LEADER: [Signature]</p>	<p>DRG. No: RS/DMWRP-52</p>



GROUND LEVEL (m)	4.28	4.22
INVERT LEVEL (m)	3.25	3.21
PIPE DETAILS	110mm Ø PVC	
CHAINAGE (m)	800.00	876.00
HORIZONTAL ANGLE (°)		


PROPOSED LS ALONG PRINCE OF WALES AVENUE
CHAINAGE 600.0 m - 1200m



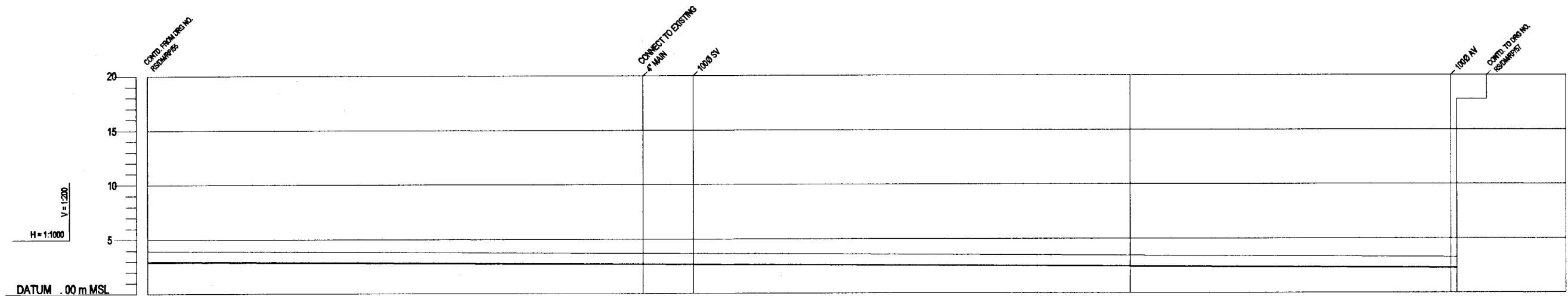
PRINCE OF WALES AVENUE PLAN
SCALE - 1:1000

NOTE :
EF - Existing 4"Ø pipe is replaced with 110mmØ PVC pipe

DO NOT SCALE

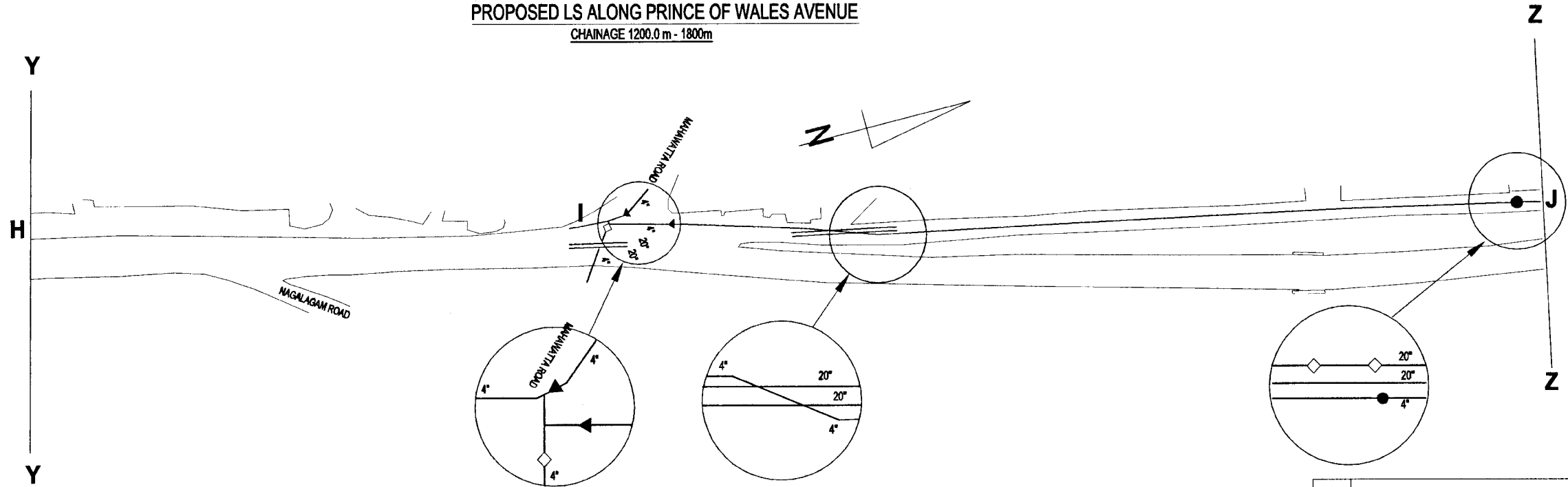
 NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA	SUB PROJECT: SMALL DIAMETER IN CMC (CB1)	TITLE: PLAN & LONGITUDINAL SECTION PRINCE OF WALES AVENUE
	DESIGNED: <i>[Signature]</i> CHECKED: <i>[Signature]</i> DV. TEAM LEADER: <i>[Signature]</i> TEAM LEADER: <i>[Signature]</i>	DRAWN: THARANGA PW (NRW/SAPS) INCHG: <i>[Signature]</i> A.G.M (PW) INCHG: R. D. A. <i>[Signature]</i> D.G.M (PW) INCHG: <i>[Signature]</i>

SHEET 2 OF 4



GROUND LEVEL (m)	3.95	3.57	3.45	3.28
INVERT LEVEL (m)	2.94	2.86	2.44	2.27
PIPE DETAILS	160mm Ø PVC		110mm Ø PVC	
CHAINAGE (m)	1200.00	1427.00	1450.00	1650.00
HORIZONTAL ANGLE (°)				


PROPOSED LS ALONG PRINCE OF WALES AVENUE
CHAINAGE 1200.0 m - 1800m

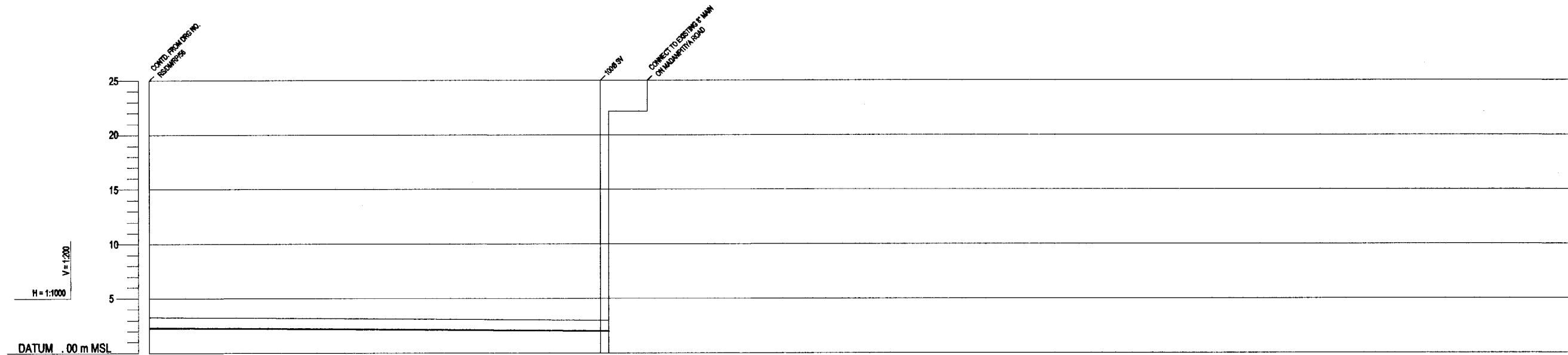


PRINCE OF WALES AVENUE PLAN
SCALE - 1:1000

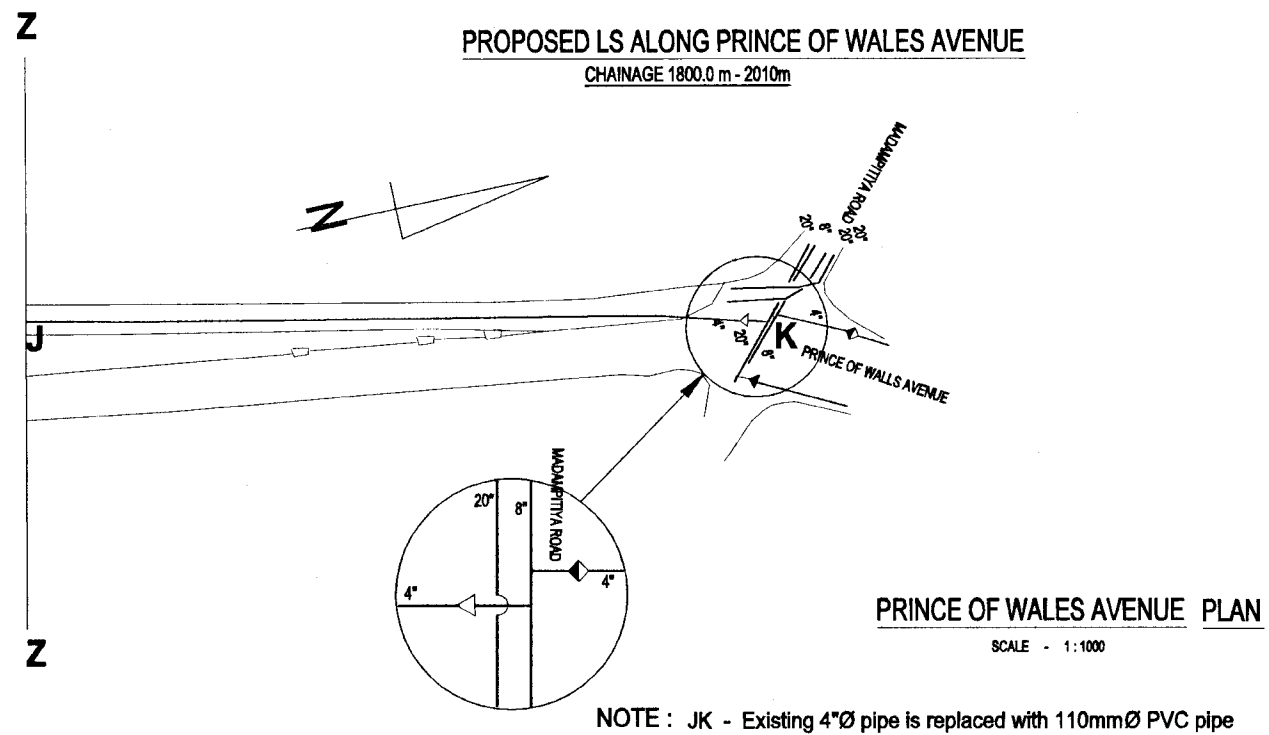
NOTE : HI - Replace with 160mm Ø PVC pipe (New)
IJ - Existing 4"Ø pipe is replaced with 110mm Ø PVC pipe

DO NOT SCALE

 NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA	SUB PROJECT: SMALL DIAMETER IN CMC (CB1)	TITLE: PLAN & LONGITUDINAL SECTION PRINCE OF WALES AVENUE	SHEET 3 OF 4	
	DESIGNED: <i>[Signature]</i> CHECKED: <i>[Signature]</i> BY TEAM LEADER: <i>[Signature]</i> TEAM LEADER: <i>[Signature]</i>	DRAWN: THARANGA P/L (NRWSAPS) IN/SDB: <i>[Signature]</i> A.G.M (P&D) IN/SDB: <i>[Signature]</i> D.G.M (P&D) IN/SDB: <i>[Signature]</i>	DATE: JAN. 2001 CONTRACT No: NRW / CW DRG. No: RS/DM/RP - 54	
	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM NIIHON SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN			




GROUND LEVEL (m)	3.28	3.00
INVERT LEVEL (m)	2.37	1.99
PIPE DETAILS	110mm Ø PVC	
CHAINAGE (m)	1800.00	2010.00
HORIZONTAL ANGLE (°)		



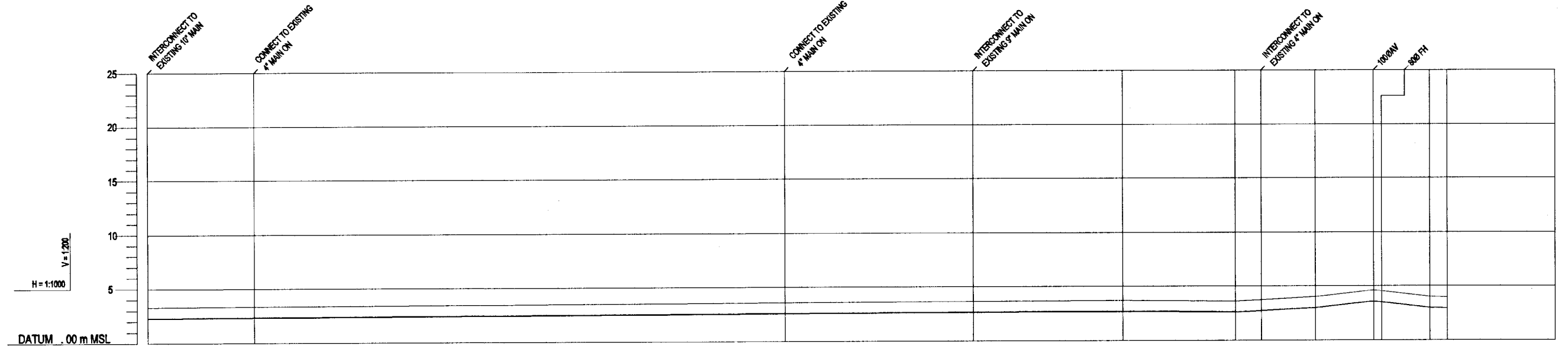
DO NOT SCALE

REV.	DESCRIPTION

SUB PROJECT: SMALL DIAMETER IN CMC (CB1)		TITLE: PLAN & LONGITUDINAL SECTION PRINCE OF WALES AVENUE	
DESIGNED: [Signature]	DRAWN: THARANGA	DATE: JAN 2001	SHEET 4 OF 4
CHECKED: [Signature]	TM (NRWSAP) INWSOR: [Signature]	CONTRACT No: NRW / CW	
DR. TEAM LEADER: [Signature]	A.G.M (P&I) INWSOR: E. D. N. [Signature]	DRG. No:	
TEAM LEADER: [Signature]	D.G.M (P&I) INWSOR:		RS/DM/RP - 55

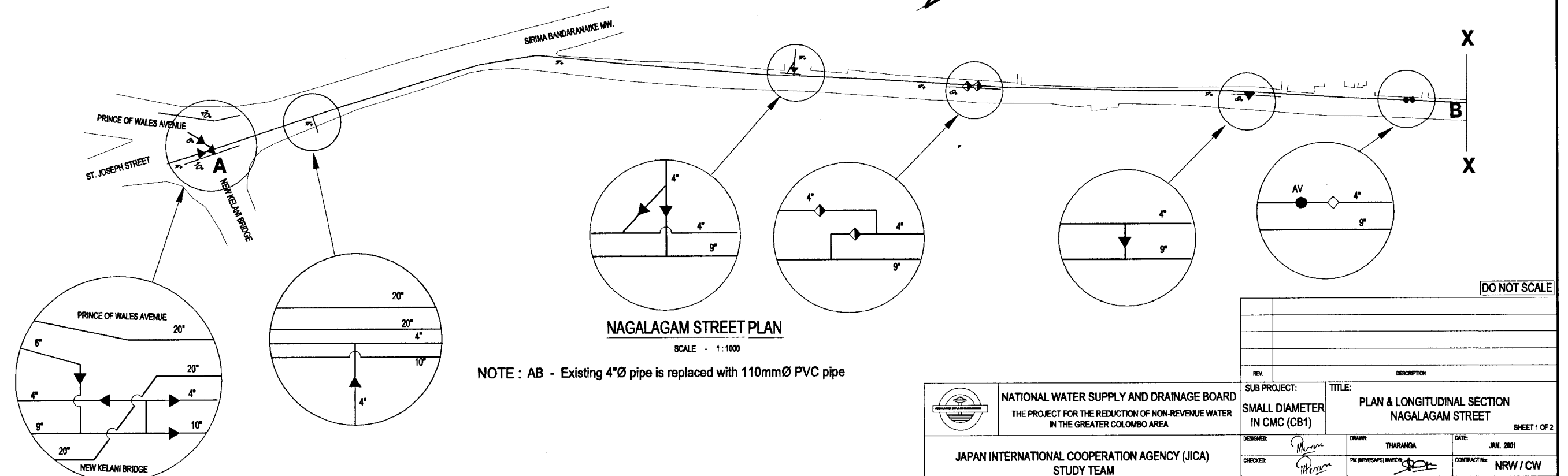

NATIONAL WATER SUPPLY AND DRAINAGE BOARD
 THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER
 IN THE GREATER COLOMBO AREA

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
 STUDY TEAM
 NIHON SUIDO CONSULTANTS CO. LTD.,
 TOKYO, JAPAN



GROUND LEVEL (m)	3.30						3.70	3.50	4.00	4.80	4.00	3.95
INVERT LEVEL (m)	2.29						2.89	2.59	2.99	3.59	2.99	2.95
PIPE DETAILS	110mm Ø PVC											
CHAINAGE (m)	514.00	49.00	174.70	284.00	381.00	450.00	502.00	514.00	539.00	556.00	582.00	600.00
HORIZONTAL ANGLE (°)			22.5°									

PROPOSED LS ALONG NAGALAGAM STREET
CHAINAGE 0.0 m - 600m



NOTE : AB - Existing 4"Ø pipe is replaced with 110mmØ PVC pipe

DO NOT SCALE

REV.	DESCRIPTION

SUB PROJECT: SMALL DIAMETER IN CMC (CB1) TITLE: PLAN & LONGITUDINAL SECTION NAGALAGAM STREET
 SHEET 1 OF 2

DESIGNED:	DRAWN: THARANCA	DATE: JAN. 2001
CHECKED:	PM (NRWS/APS) NWSDR:	CONTRACT NO: NRW / CW
BY TEAM LEADER:	A.S.M (PWS) NWSDR:	ORG. No:
TEAM LEADER:	D.O.M (PWS) NWSDR:	RS/DM/RP - 56

NATIONAL WATER SUPPLY AND DRAINAGE BOARD
 THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER
 IN THE GREATER COLOMBO AREA

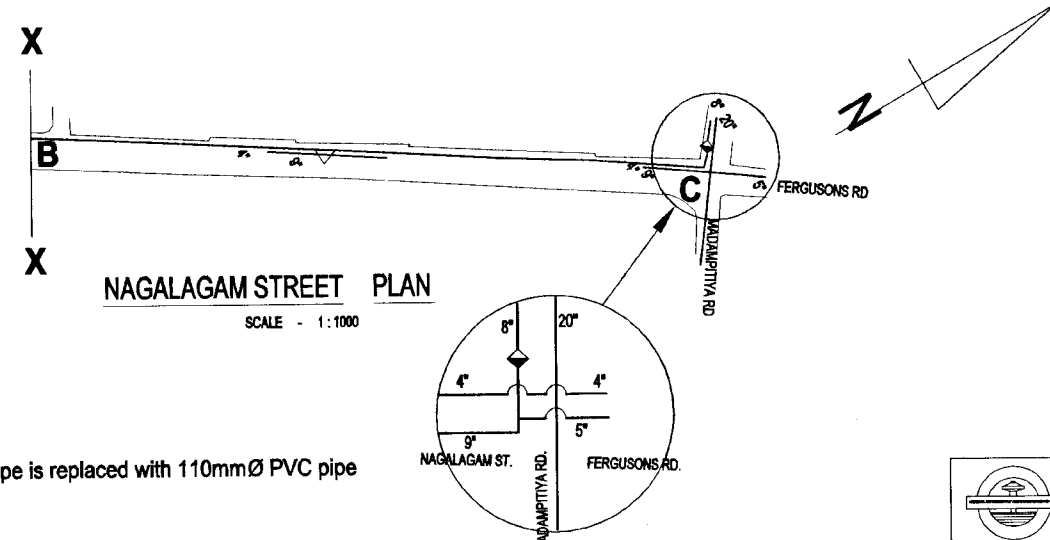
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
 STUDY TEAM

NIHON SUIDO CONSULTANTS CO. LTD.,
 TOKYO, JAPAN




GROUND LEVEL (m)	3.98	3.90	3.80	3.50	3.40
INVERT LEVEL (m)	2.96	2.88	2.79	2.49	2.39
PIPE DETAILS	110mm ØPVC				
CHAINAGE (m)	600.00	610.00	660.00	730.00	785.00
HORIZONTAL ANGLE (°)					

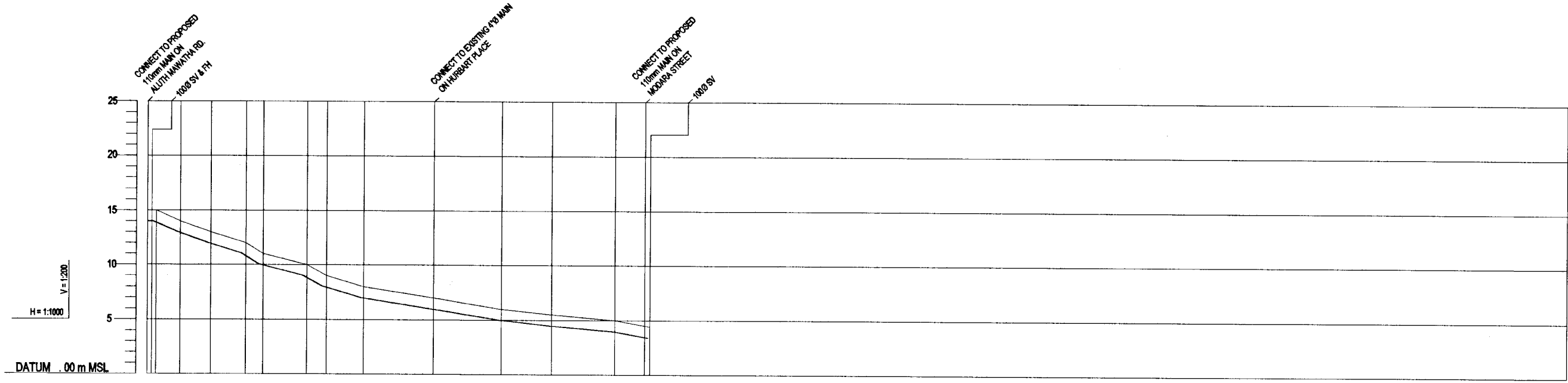
PROPOSED LS ALONG NAGALAGAM STREET
CHAINAGE 600.0 m - 785m



NOTE :
BC - Existing 4"Ø pipe is replaced with 110mmØ PVC pipe

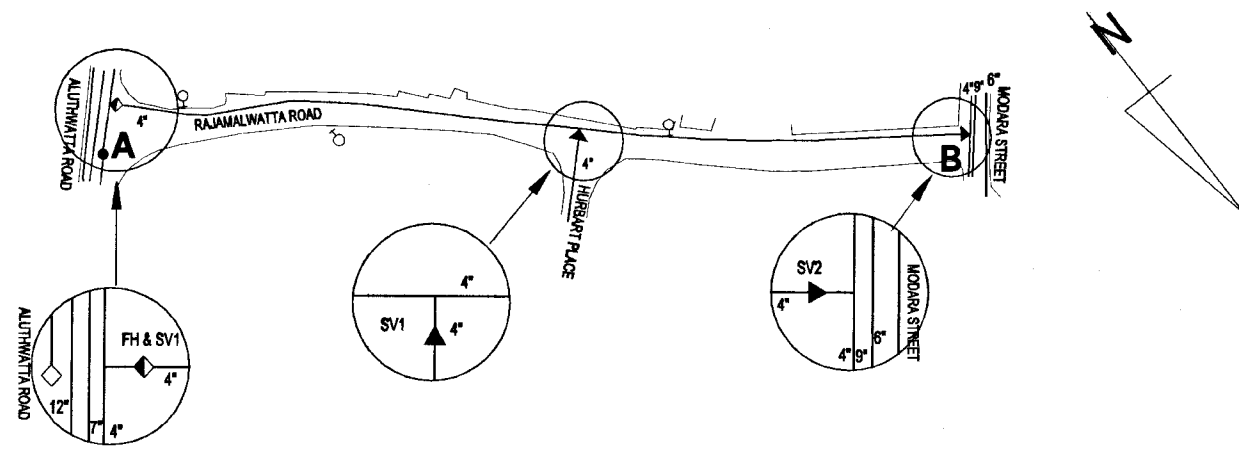
DO NOT SCALE

 NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM NIPPON SUDO CONSULTANTS CO. LTD., TOKYO, JAPAN	SUB PROJECT: SMALL DIAMETER IN CMC (CB1)	TITLE: PLAN & LONGITUDINAL SECTION NAGALAGAM STREET	
	DESIGNED: <i>[Signature]</i> CHECKED: <i>[Signature]</i> CIV. TEAM LEADER: <i>[Signature]</i> TEAM LEADER: <i>[Signature]</i>	DRAWN: THARANGA P.I. (P/MS/SP/1) NUMBER: <i>[Signature]</i> A.S.M (P/MS) NUMBER: R. S. A. 25 D.G.M (P/MS) NUMBER:	DATE: JAN. 2001 CONTRACT No: NRW / CW DRG. No: RS/DM/RP - 57
	SHEET 2 OF 2		
	(Empty space for revision)		



GROUND LEVEL (m)	15.00	15.00	14.00	13.00	12.00	11.00	10.00	9.00	8.00	7.00	6.00	5.90	5.00	4.43	
INVERT LEVEL (m)	13.99	13.99	12.99	11.99	10.99	9.99	8.99	7.99	6.99	5.99	4.99	4.49	3.99	3.42	
PIPE DETAILS	← 110mm Ø PVC →														
CHAINAGE (m)	0.00	4.00	15.00	27.0	31.0	45.00	53.00	75.00	82.00	96.00	131.00	162.00	185.00	214.00	230.00
HORIZONTAL ANGLE (°)			11.25		11.25										

PROPOSED LS ALONG RAJAMALWATTA ROAD
CHAINAGE 0.0 m - 230m

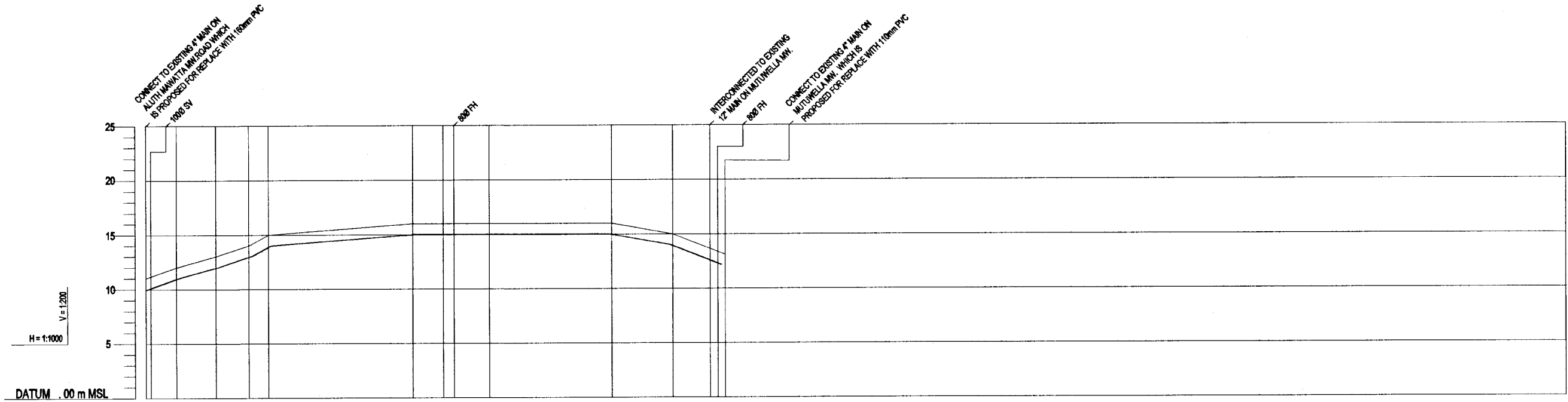


RAJAMALWATTA ROAD PLAN
SCALE - 1:1000

NOTE : AB - Existing 4"Ø pipe ls replaced with 110mmØ pipe

DO NOT SCALE

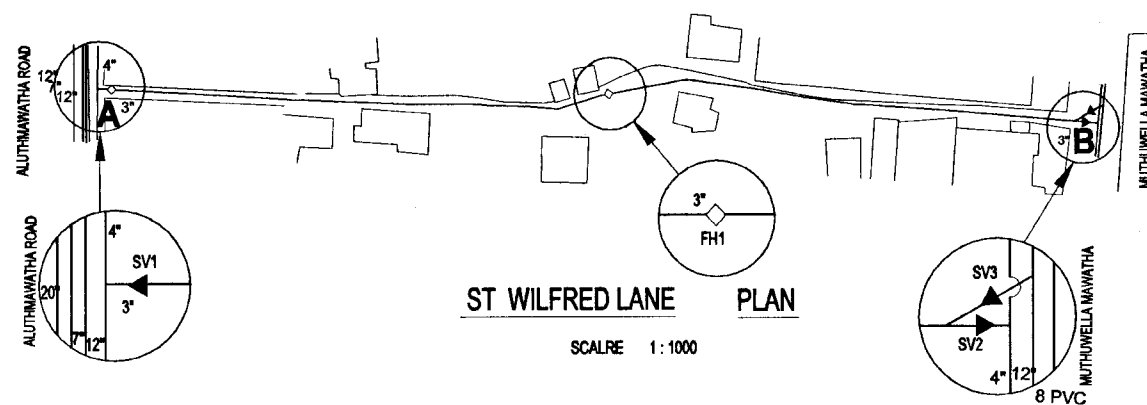
<p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p> <p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM</p> <p>NIHON SUDO CONSULTANTS CO. LTD., TOKYO, JAPAN</p>	<p>SUB PROJECT: SMALL DIAMETER IN CMC (CB1)</p>	<p>TITLE: PLAN & LONGITUDINAL SECTION RAJAMALWATTA ROAD</p>	
	<p>DESIGNED: <i>[Signature]</i></p>	<p>DRAWN: THARANGA</p>	<p>DATE: JAN. 2001</p>
	<p>CHECKED: <i>[Signature]</i></p>	<p>PA (NWS&D) INCHG: <i>[Signature]</i></p>	<p>CONTRACT No: NRW / CW</p>
	<p>BY TEAM LEADER: <i>[Signature]</i></p>	<p>A.G.M (P&D) INCHG: R. D. A. J.</p>	<p>DRG. No: RS/DM/RP - 58</p>



GROUND LEVEL (m)	11.00	12.00	13.00	14.00	15.00	16.00	16.00	16.00	16.00	15.00	13.10	
INVERT LEVEL (m)	9.99	10.99	11.99	12.99	13.99	14.99	14.99	14.99	14.99	13.99	12.09	
PIPE DETAILS	110mm Ø PVC											
CHAINAGE (m)	14.00	14.00	32.00	47.00	56.00	122.00	136.00	141.00	157.00	213.00	241.00	270.00
HORIZONTAL ANGLE (°)						22.3°			22.5°			


PROPOSED LS ALONG ST WILFRED LANE

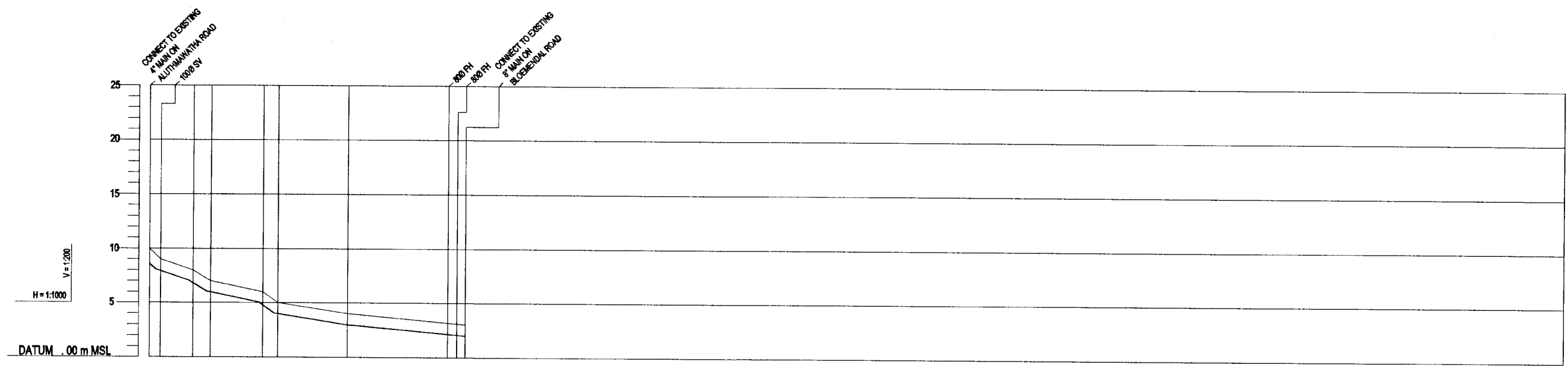
CHAINAGE 0.0m - 270.0m



NOTE : AB - Existing 3"Ø pipe is replaced with 110mmØ PVC pipe

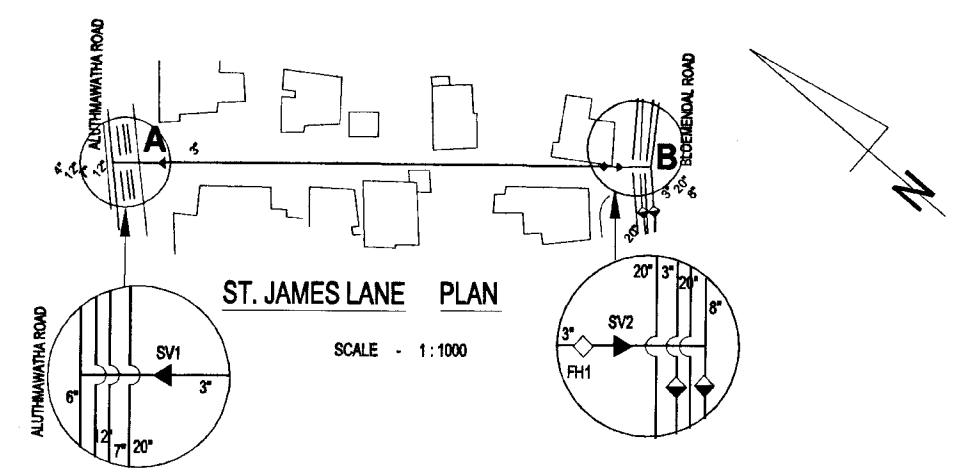
DO NOT SCALE!

 <p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p>	SUB PROJECT: SMALL DIAMETER IN CMC (CB1)		TITLE: PLAN & LONGITUDINAL SECTION ST. WILFRED'S LANE	
	DESIGNED: <i>[Signature]</i>		DRAWN: THIRANCA	
CHECKED: <i>[Signature]</i>		PI (NWS&D) INCHARGE: <i>[Signature]</i>		DATE: JAN. 2001
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM		DR. TEAM LEADER: <i>[Signature]</i>		CONTRACT No: NRW / CW
NIHON SUDO CONSULTANTS CO. LTD., TOKYO, JAPAN		A.G.M (PI) INCHARGE: E. S. A. J.		DRG. No: RS/DM/RP - 59
		TEAM LEADER: <i>[Signature]</i>		
		D.G.M (PI) INCHARGE:		




GROUND LEVEL (m)	10.00	9.00	8.00	7.00	6.00	5.00	4.00	3.00
INVERT LEVEL (m)	8.99	7.99	6.99	5.99	4.99	3.99	2.99	1.99
PIPE DETAILS	110mm Ø PVC							
CHAINAGE (m)	0.00	5.00	20.00	28.00	52.00	59.00	91.00	145.00
HORIZONTAL ANGLE (°)								

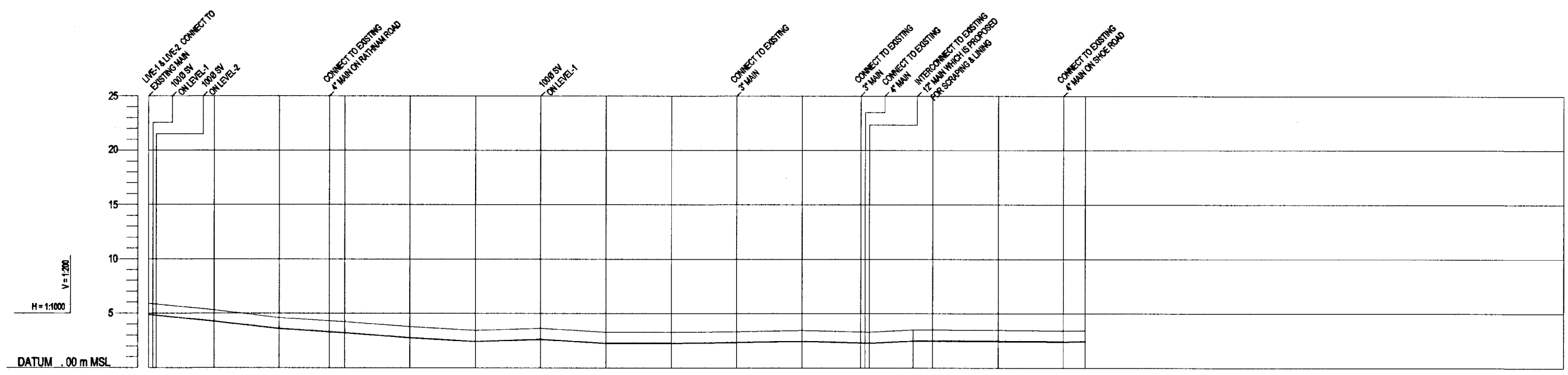
PROPOSED LS ALONG ST. JAMES LANE
CHAINAGE 0.0 m 145m



NOTE : AB - Existing 3"Ø pipe is replaced with 110mmØ PVC pipe

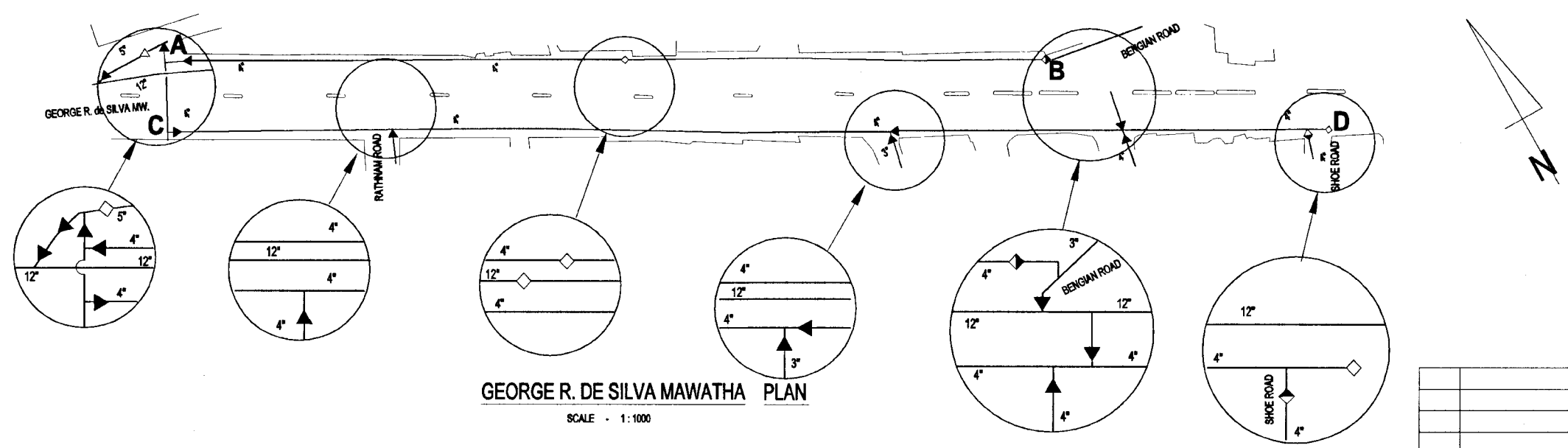
DO NOT SCALE

 NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM NIKON SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN	SUB PROJECT: SMALL DIAMETER IN CMC (CB1)	TITLE: PLAN & LONGITUDINAL SECTION ST. JAMES LANE	
	DESIGNED: <i>[Signature]</i> CHECKED: <i>[Signature]</i> DT. TEAM LEADER: <i>[Signature]</i> TEAM LEADER: <i>[Signature]</i>	DRAWN: THARUNGA PM (NWS&DS) NUMBER: <i>[Signature]</i> A.G.M (P&E) NUMBER: <i>[Signature]</i> D.G.M (P&E) NUMBER:	DATE: JAN. 2001 CONTRACT No: NRW / CW DRS. No: RS/DM/RP - 60



GROUND LEVEL (m)	5.89	5.29	4.81	4.31	4.22	3.78	3.44	3.63	3.27	3.26	3.34	3.45	3.30	3.49	3.49	3.46	3.41	3.45	
INVERT LEVEL (m)	4.88	4.28	3.80	3.30	3.21	2.77	2.45	2.82	2.26	2.25	2.33	2.44	2.29	2.48	2.48	2.45	2.40	2.44	
PIPE DETAILS	110mm Ø PVC																		
CHAINAGE (m)	0.00	30.00	60.00	83.00	90.00	120.00	150.00	180.00	210.00	240.00	270.00	300.00	325.00	331.00	351.00	360.00	390.00	420.00	430.00
HORIZONTAL ANGLE (°)																			

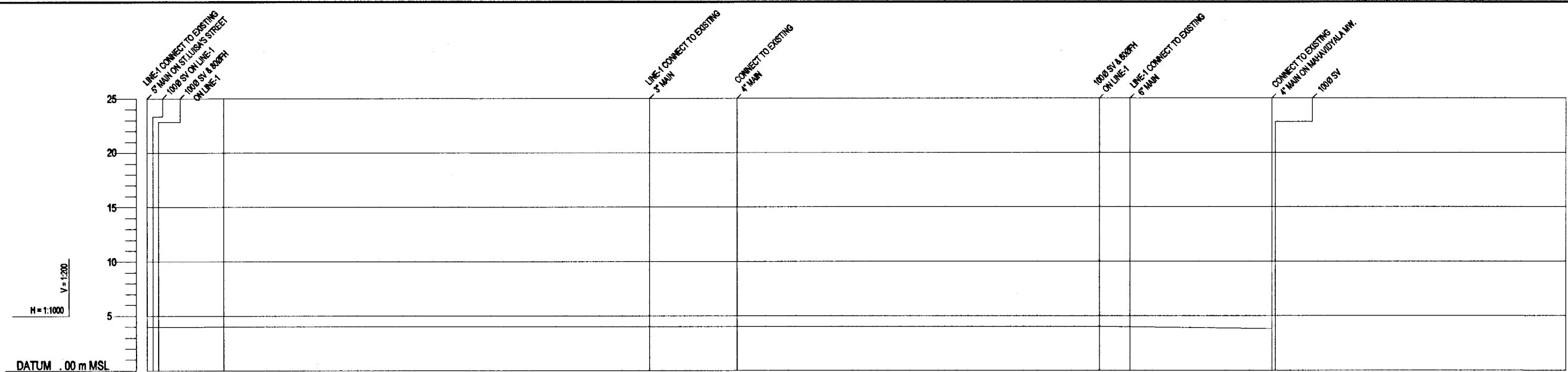
PROPOSED LS ALONG GEORGE R. DE SILVA MAWATHA
CHAINAGE 0.0 m - 430m



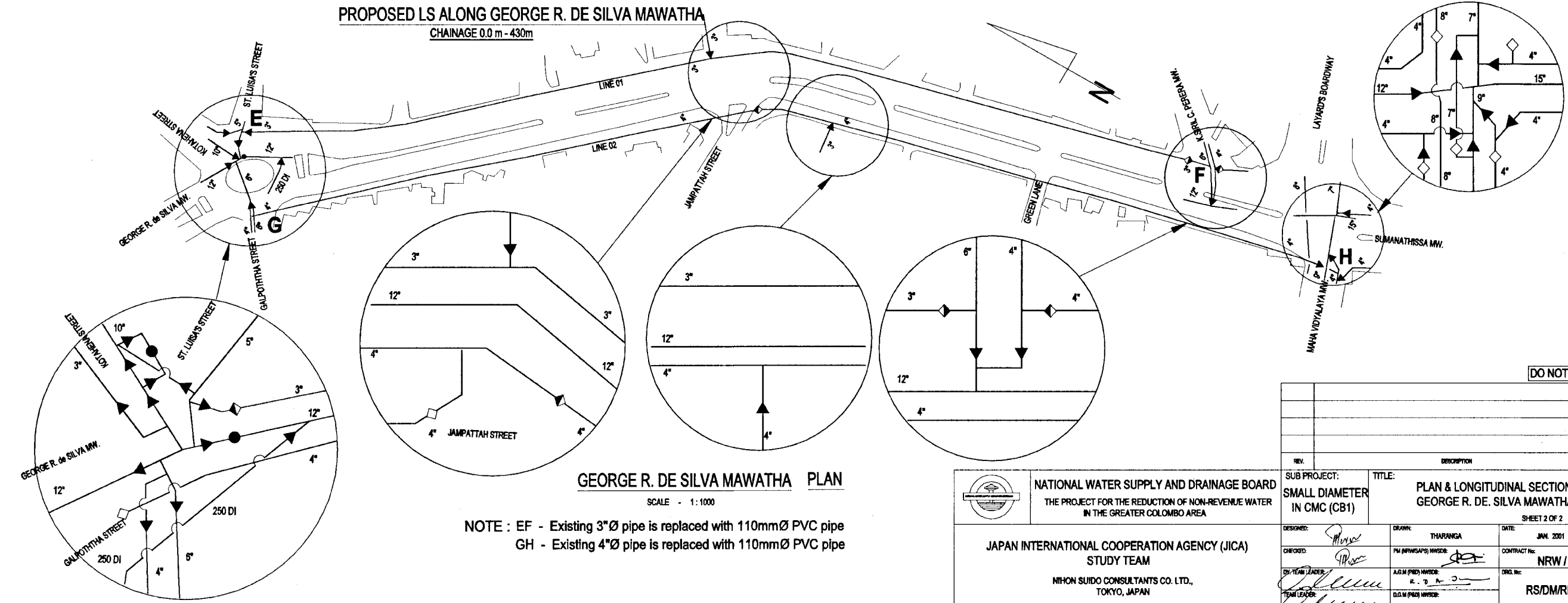
NOTE : AB - Existing 4"Ø pipe is replaced with 110mmØ PVC pipe
CD - Existing 4"Ø pipe is replaced with 110mmØ PVC pipe

DO NOT SCALE

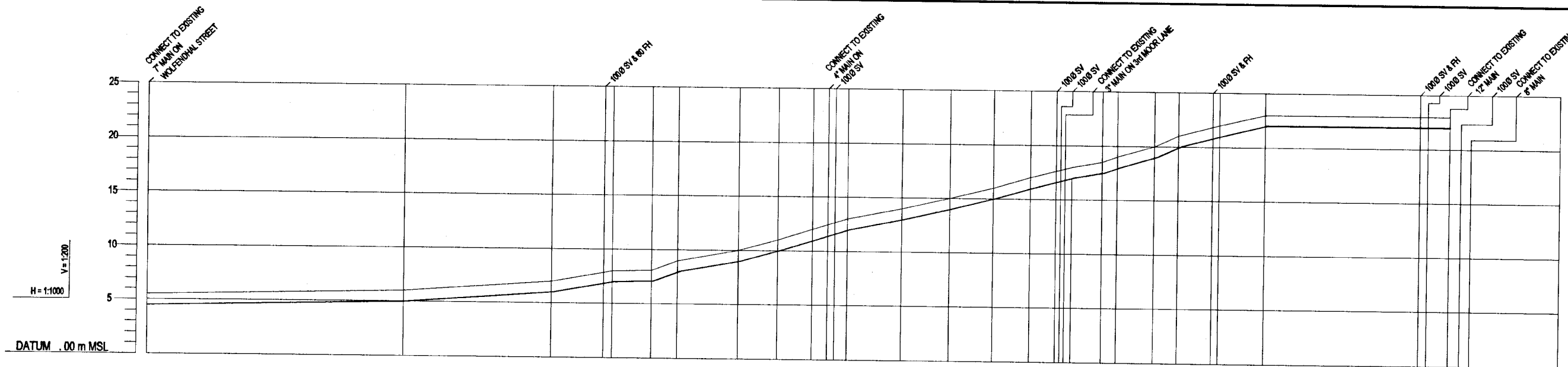
<p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p>	<p>SUB PROJECT: SMALL DIAMETER IN CMC (CB1)</p>	<p>TITLE: PLAN & LONGITUDINAL SECTION GEORGE R. DE. SILVA MAWATHA</p>
	<p>SHEET 1 OF 2</p>	
<p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM</p> <p>NIHON SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN</p>	<p>DESIGNED: [Signature]</p> <p>CHECKED: [Signature]</p> <p>DR. TEAM LEADER: [Signature]</p> <p>TEAM LEADER: [Signature]</p>	<p>DATE: JUN 2001</p> <p>CONTRACT No: NRW / CW</p> <p>DR. [Signature]</p> <p>D.G.M. [Signature]</p>



GROUND LEVEL (m)	3.98	4.00			4.00		3.90
INVERT LEVEL (m)							
PIPE DETAILS	110mm Ø PVC (LINE-1) 110mm Ø PVC (LINE-2)						
CHAINAGE (m)	00.00	35.00	230.00 235.00	270.00	430.00 450.00		515.00
HORIZONTAL ANGLE (°)							



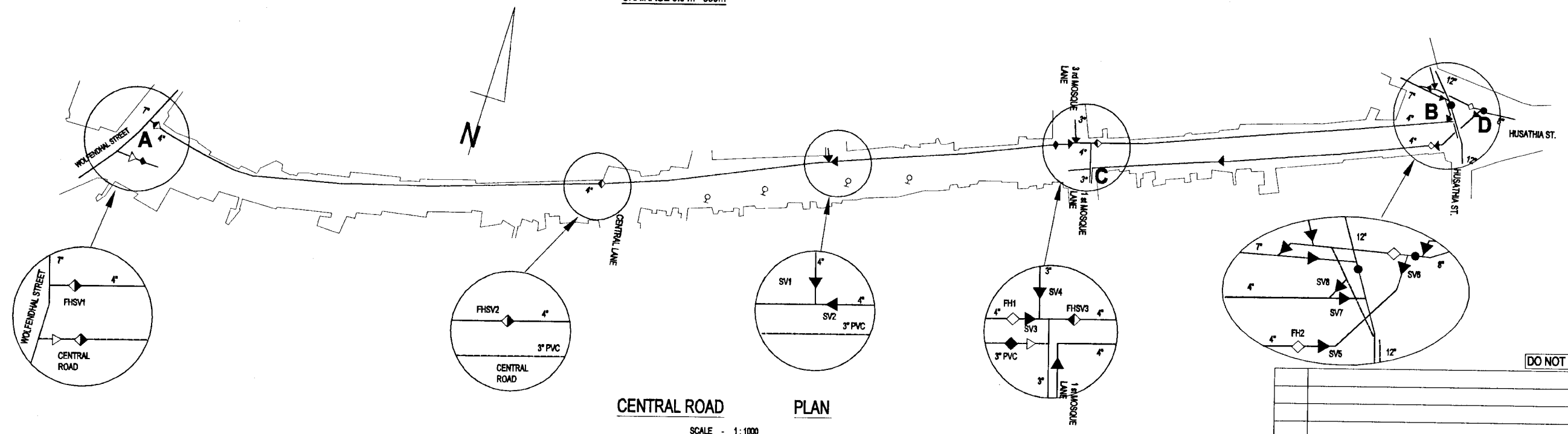
<p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p>	<p>SUB PROJECT: SMALL DIAMETER IN CMC (CB1)</p>	<p>TITLE: PLAN & LONGITUDINAL SECTION GEORGE R. DE SILVA MAWATHA SHEET 2 OF 2</p>
	<p>DESIGNED: [Signature]</p> <p>CHECKED: [Signature]</p> <p>DR. TEAM LEADER: [Signature]</p> <p>TEAM LEADER: [Signature]</p>	<p>DRAWN: THARANGA</p> <p>PI (NRWSAP'S) INSPER: [Signature]</p> <p>A.G.M (P&D) INSPER: R. D. R. [Signature]</p> <p>D.G.M (P&D) INSPER: [Signature]</p>



GROUND LEVEL (m)	5.50		6.00		7.00	8.00	8.10	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00	18.00	18.50	19.00	20.00	21.00	22.00	23.00	23.00		
INVERT LEVEL (m)	4.48		4.98		5.98	6.98	7.08	7.98	8.98	9.98	10.98	11.98	12.98	13.98	14.98	15.98	16.98	17.48	17.98	18.98	19.98	20.98	21.98	22.10	23.00	
PIPE DETAILS	110mm Ø PVC																									
CHAINAGE (m)	00.00	45.00	118.00	188.00	210.00	214.00	222.00	244.00	272.00	290.00	308.00	313.00	322.00	347.00	366.00	388.00	406.00	423.00	439.00	446.00	463.00	474.00	483.00	514.00	564.00	588.00
HORIZONTAL ANGLE (°)		22.5°																							45°	

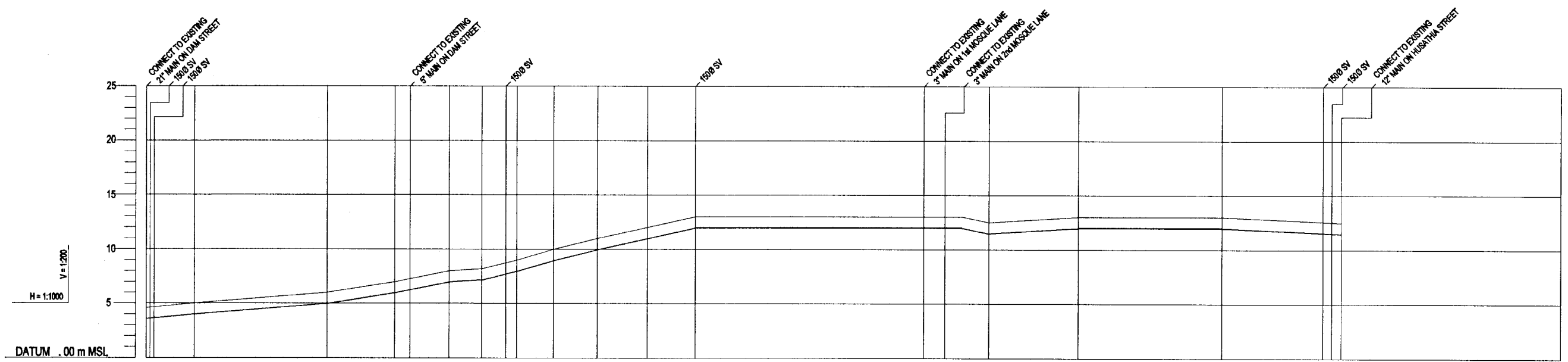
PROPOSED LS ALONG CENTRAL ROAD

CHAINAGE 0.0 m - 599m



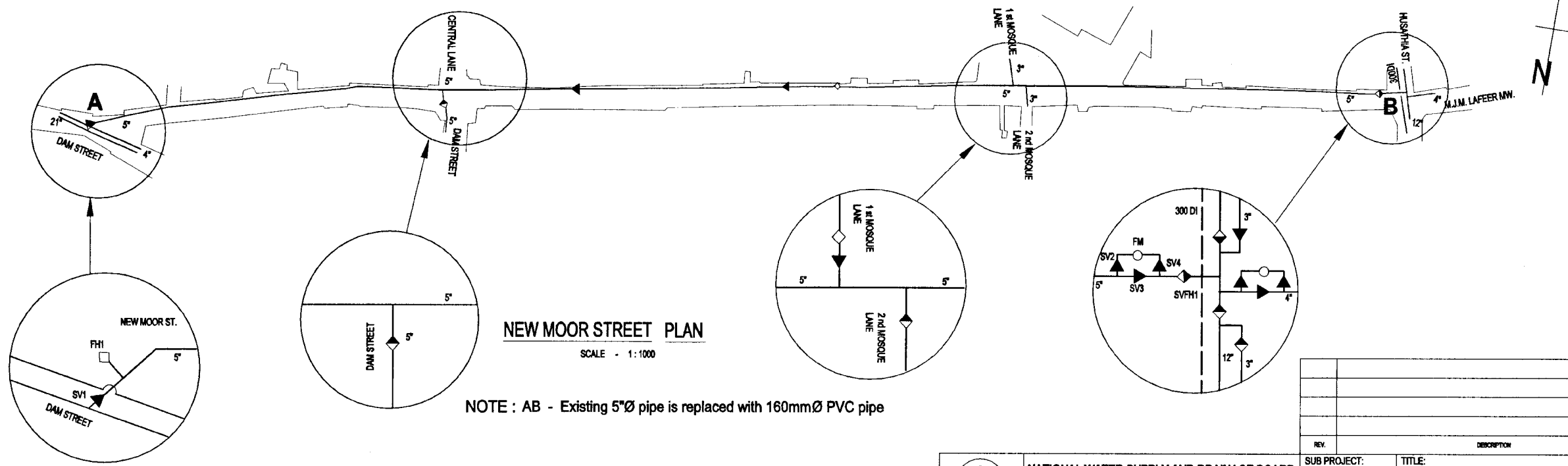
NOTE : AB - Existing 4"Ø pipe is replaced with 110mmØ PVC pipe
 CD - Existing 4"Ø pipe is replaced with 110mmØ PVC pipe

<p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p> <p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM</p> <p>NIHON SUJIDO CONSULTANTS CO. LTD., TOKYO, JAPAN</p>	SUB PROJECT: SMALL DIAMETER IN CMC (CB1)	TITLE: PLAN & LONGITUDINAL SECTION CENTRAL ROAD	
	DESIGNED: <i>[Signature]</i>	DRAWN: THARUNCA	DATE: JUL 2001
	CHECKED: <i>[Signature]</i>	PM (PWS&D) NUMBER: <i>[Signature]</i>	CONTRACT NO: NRW / CW
	DIV. TEAM LEADER: <i>[Signature]</i>	A.G.M (PWS) NUMBER: <i>[Signature]</i>	DRG. No: RS/DM/RP - 63
TEAM LEADER: <i>[Signature]</i>	D.G.M (PWS) NUMBER: <i>[Signature]</i>		



GROUND LEVEL (m)	4.80	5.00	6.00	7.00	8.00	8.20	9.00	10.00	11.00	12.00	13.00	13.00	12.50	13.00	13.00	12.50			
INVERT LEVEL (m)	3.54	3.94	4.94	5.94	6.94	7.14	7.94	8.94	9.94	10.94	11.94	11.94	11.44	11.94	11.94	11.44			
PIPE DETAILS	160mm Ø PVC																		
CHAINAGE (m)	165.00	22.00	63.00	114.00	121.00	138.00	164.00	165.00	170.00	187.00	207.00	230.00	252.00	357.00	375.00	387.00	428.00	484.00	549.00
HORIZONTAL ANGLE (°)				11.25															

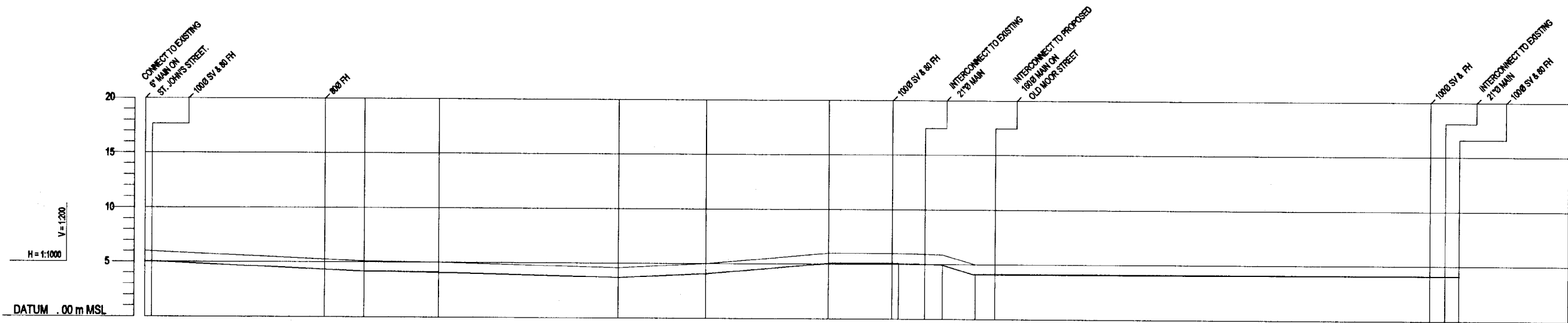
PROPOSED LS ALONG NEW MOOR STREET
CHAINAGE 0.0 m - 549m



NOTE : AB - Existing 5"Ø pipe is replaced with 160mmØ PVC pipe

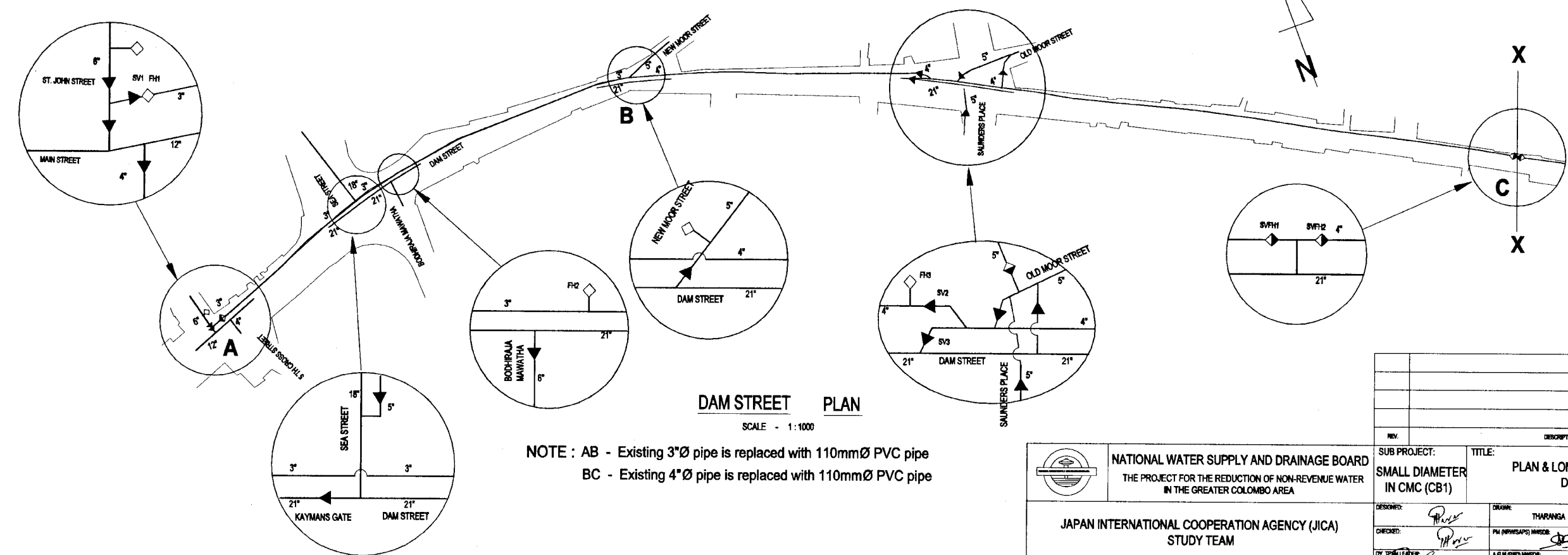
DO NOT SCALE

<p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p>	SUB PROJECT: SMALL DIAMETER IN CMC (CB1)		TITLE: PLAN & LONGITUDINAL SECTION NEW MOOR STREET	
	DESIGNED: <i>[Signature]</i>	DRAWN: THARANGA	DATE: JAN. 2001	CONTRACT No: NRW / CW
<p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM</p> <p>NIHON SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN</p>	CHECKED: <i>[Signature]</i>	FM (RW/S&P) INCHARGE: <i>[Signature]</i>	CONTRACT No: NRW / CW	CONTRACT No: NRW / CW
	DR. TEAM LEADER: <i>[Signature]</i>	A.G.M (P&E) INCHARGE: <i>[Signature]</i>	CONTRACT No: NRW / CW	CONTRACT No: NRW / CW
	TEAM LEADER: <i>[Signature]</i>	D.O.M (P&E) INCHARGE: <i>[Signature]</i>	CONTRACT No: NRW / CW	CONTRACT No: NRW / CW



GROUND LEVEL (m)	6.00		5.10	5.00		4.80	5.00	6.00	6.00	5.90	5.00		5.00			
INVERT LEVEL (m)	4.99		4.09	3.99		4.59	3.99	4.99	4.09	4.08	3.99		3.99			
PIPE DETAILS	110mm Ø PVC															
CHAINAGE (m)	388.00	82.00	100.00	134.00	167.00	177.00	210.00	216.00	258.00	312.00	341.00	356.00	364.00	379.00	386.00	600.00
HORIZONTAL ANGLE (°)					11.25	11.25			45							

PROPOSED LS ALONG DAM STREET
CHAINAGE 0.0 m - 600m

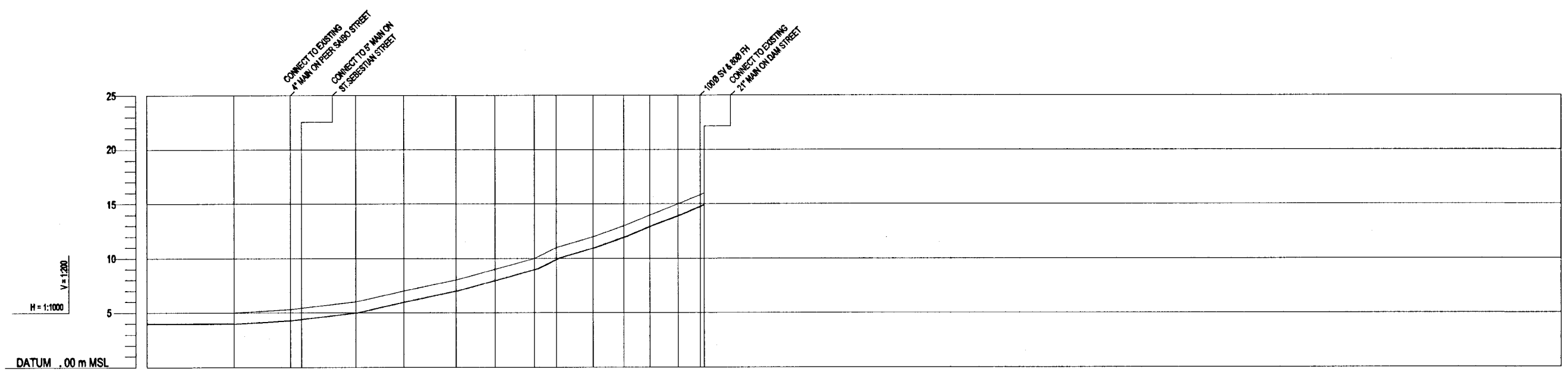


DAM STREET PLAN
SCALE - 1:1000

NOTE : AB - Existing 3"Ø pipe is replaced with 110mmØ PVC pipe
BC - Existing 4"Ø pipe is replaced with 110mmØ PVC pipe

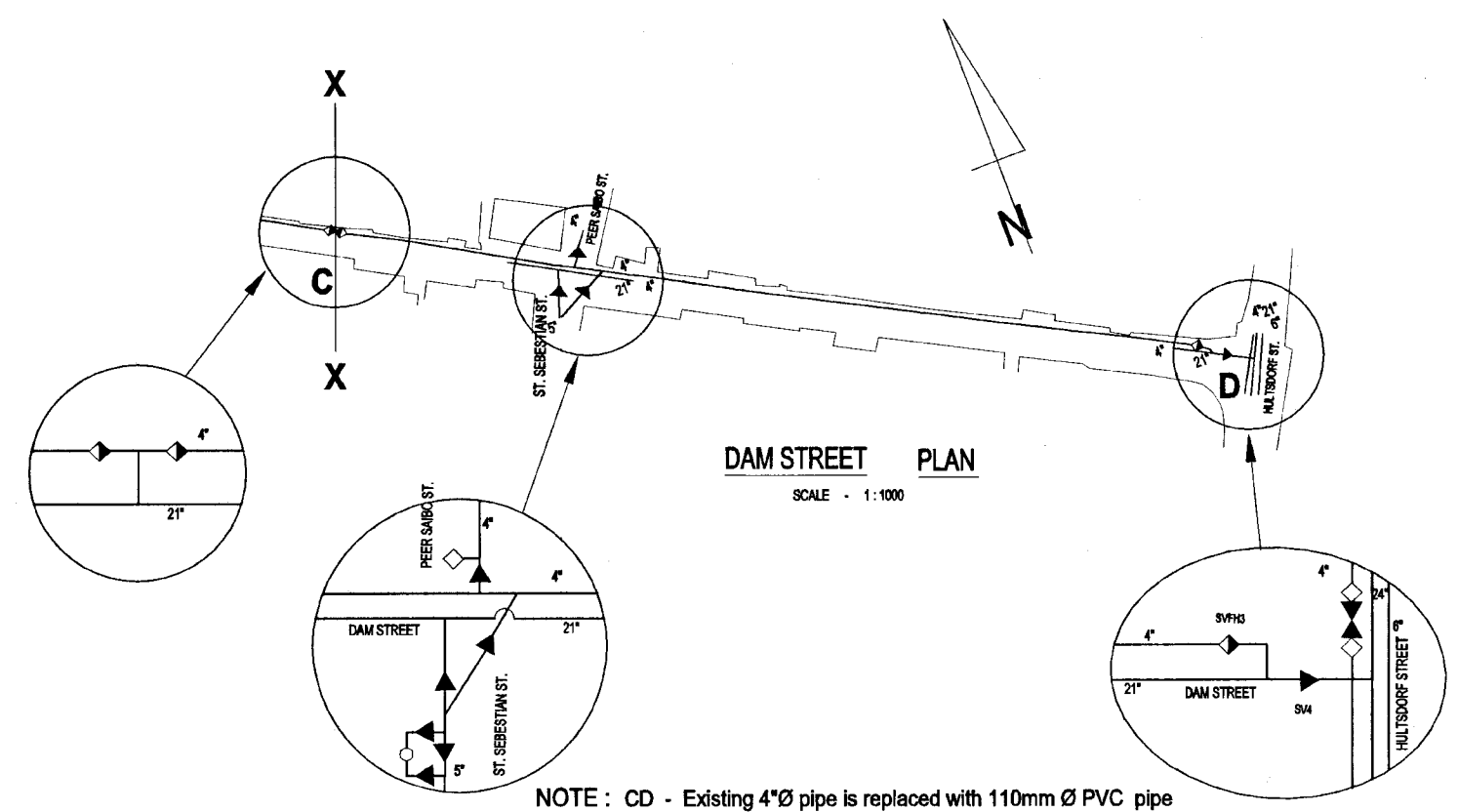
DO NOT SCALE

<p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p>	SUB PROJECT: SMALL DIAMETER IN CMC (CB1)		TITLE: PLAN & LONGITUDINAL SECTION DAM STREET SHEET 1 OF 2	
	DESIGNED: [Signature] CHECKED: [Signature] DT. TEAM LEADER: [Signature] TEAM LEADER: [Signature]	DRAWN: THARANGA PJ (NRWSAPS) INCHG: [Signature] A.S.M (P&I) INCHG: [Signature] D.G.M (P&I) INCHG: [Signature]	DATE: JAN. 2001 CONTRACT NO: NRW / CW DRL NO: RS/DM/RP - 65	



GROUND LEVEL (m)	5.00	5.00	5.30	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	
INVERT LEVEL (m)	3.99	3.99	4.29	4.99	5.99	6.99	7.99	8.99	9.99	10.99	11.99	12.99	13.99	14.99	
PIPE DETAILS	110mm Ø PVC														
CHAINAGE (m)	600.00	640.00	666.00	671.00	696.00	716.00	742.00	760.00	778.00	786.00	806.00	819.00	831.00	844.00	856.00
HORIZONTAL ANGLE (°)	45°														

PROPOSED LS ALONG DAM STREET
CHAINAGE 600.0 m - 856m



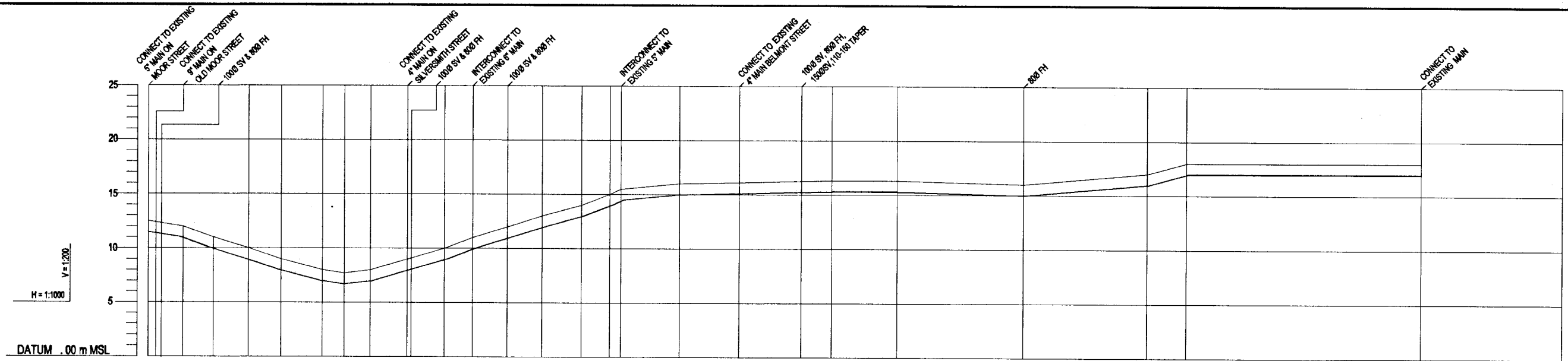
DAM STREET PLAN
SCALE - 1:1000

NOTE : CD - Existing 4" pipe is replaced with 110mm Ø PVC pipe

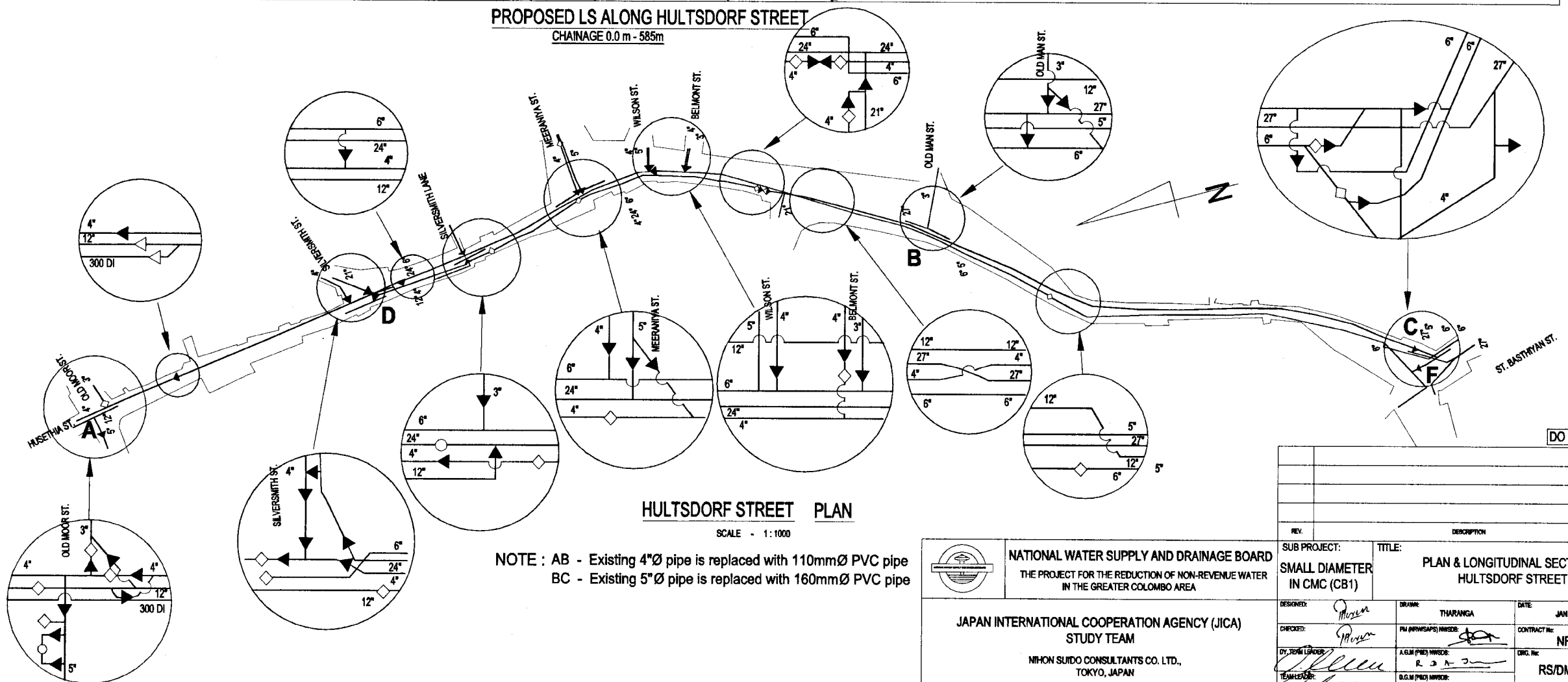
DO NOT SCALE

<p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p>	<p>SUB PROJECT: SMALL DIAMETER IN CMC (CB1)</p>	<p>TITLE: PLAN & LONGITUDINAL SECTION DAM STREET</p>	<p>DATE JUN. 2001</p>
	<p>DESIGNED: <i>[Signature]</i></p>	<p>DRAWN: THARANGA</p>	<p>SHEET 2 OF 2</p>
<p>CHECKED: <i>[Signature]</i></p>	<p>IN CHARGE: <i>[Signature]</i></p>	<p>CONTRACT No: NRW / CW</p>	<p>DRG. No: RS/DM/RP - 66</p>
<p>DR. TEAM LEADER: <i>[Signature]</i></p>	<p>A.G.M (PRO) INCHARGE: <i>[Signature]</i></p>	<p>DRG. No.:</p>	
<p>TEAM LEADER: <i>[Signature]</i></p>	<p>D.G.M (PRO) INCHARGE: <i>[Signature]</i></p>	<p>DRG. No.:</p>	

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
 STUDY TEAM
 NIHON SUIDO CONSULTANTS CO. LTD.,
 TOKYO, JAPAN



GROUND LEVEL (m)	12.50	12.00	11.00	10.00	9.00	8.00	7.70	8.00	9.00	10.00	11.00	12.00	13.00	14.00	15.00	15.50	16.00	16.30	16.00	16.00	17.00	18.00	18.00				
INVERT LEVEL (m)	11.49	10.99	9.99	8.99	7.99	6.99	6.69	6.99	7.99	8.99	9.99	10.99	11.99	12.99	13.99	14.49	14.99	15.24	15.24	13.94	15.94	16.94	16.94				
PIPE DETAILS	110mm Ø PVC																	160mm Ø PVC									
CHAINAGE (m)	0.00	16.00	30.00	46.00	61.00	80.00	90.00	102.00	119.00	125.00	136.00	149.00	165.00	181.00	199.00	212.00	217.00	244.00	271.00	300.00	314.00	344.00	402.00	424.00	459.00	477.00	585.00
HORIZONTAL ANGLE (°)																		11.25	11.25	11.25	11.25	45	45				

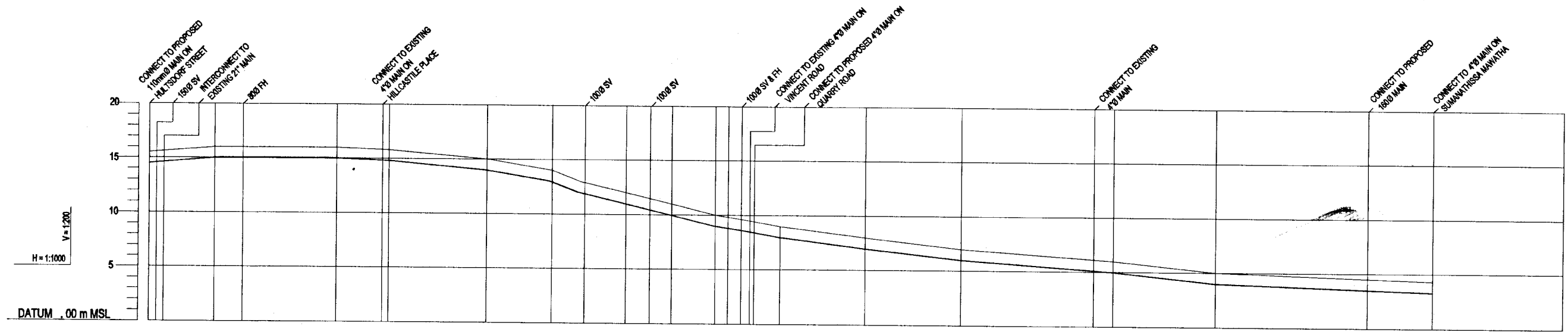


HULTSDORF STREET PLAN
SCALE - 1:1000

NOTE : AB - Existing 4"Ø pipe is replaced with 110mmØ PVC pipe
BC - Existing 5"Ø pipe is replaced with 160mmØ PVC pipe

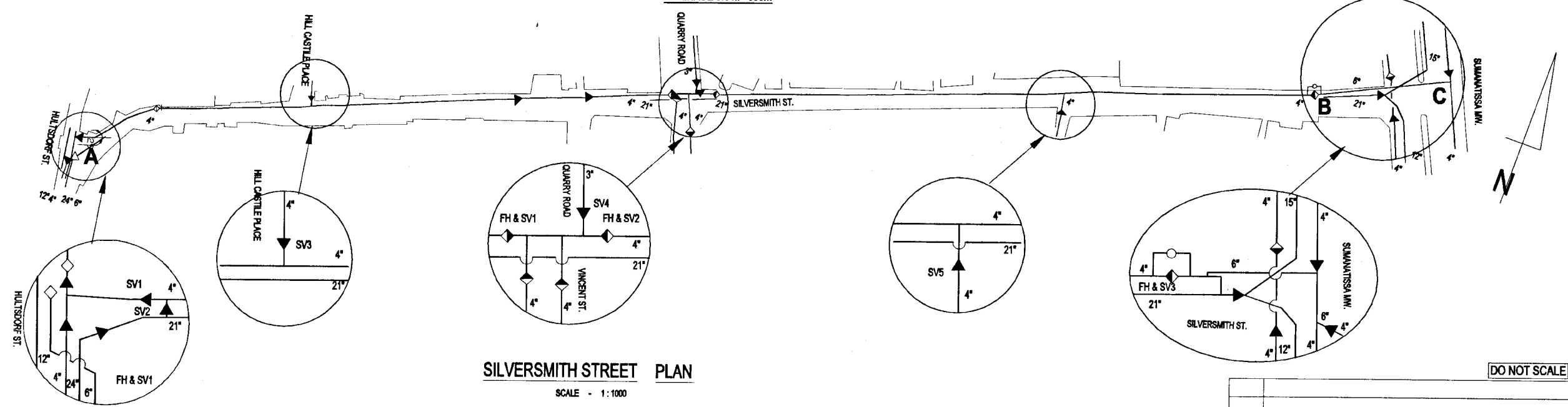
<p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p>		SUB PROJECT:		TITLE:	
		SMALL DIAMETER IN CMC (CB1)		PLAN & LONGITUDINAL SECTION HULTSDORF STREET	
<p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM</p> <p>NIHON SUDO CONSULTANTS CO. LTD., TOKYO, JAPAN</p>		DESIGNED:	DRAWN:	DATE:	
		CHECKED:	THARANGA	JAN. 2001	
		BY: JICA ENGINEER	PIU (NRW/S&D) INCHARGE	CONTRACT No:	NRW / CW
		TEAM LEADER:	A.G.M (P&D) INCHARGE	ORG. No:	RS/DM/RP - 67
			D.G.M (P&D) INCHARGE		

DO NOT SCALE



GROUND LEVEL (m)	15.50	16.00	16.00	15.50	15.00	14.00	13.00	12.00	11.00	10.00	9.50	9.00	8.00	7.00	6.00	5.00	4.30								
INVERT LEVEL (m)	14.49	14.99	14.99	14.79	13.99	12.99	11.99	10.99	9.99	8.99	8.49	7.99	6.99	5.99	4.99	3.99	3.20								
PIPE DETAILS	110mm Ø PVC																								
CHAINAGE (m)	00.00	15.00	30.00	37.00	43.00	66.00	100.00	155.00	185.00	200.00	219.00	230.00	240.00	260.00	266.00	272.00	275.00	280.00	329.00	373.00	434.00	443.00	480.00	590.00	
HORIZONTAL ANGLE (°)	45°	22.5°																							

PROPOSED LS ALONG SILVERSMITH STREET
CHAINAGE 0.0 m - 590m

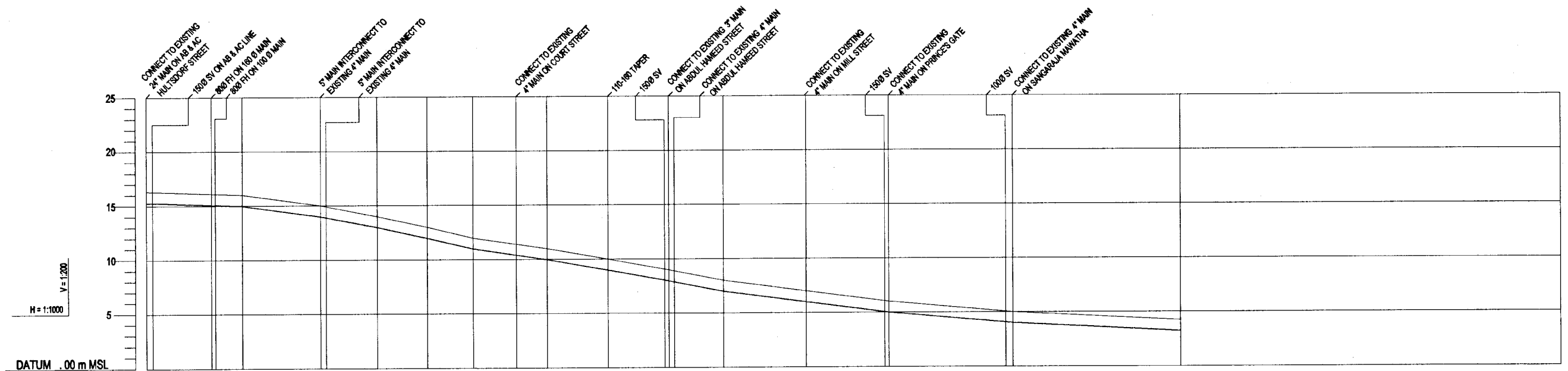


SILVERSMITH STREET PLAN
SCALE - 1:1000

NOTE : AB - Existing 4"Ø pipe is replaced with 110mm Ø PVC pipe

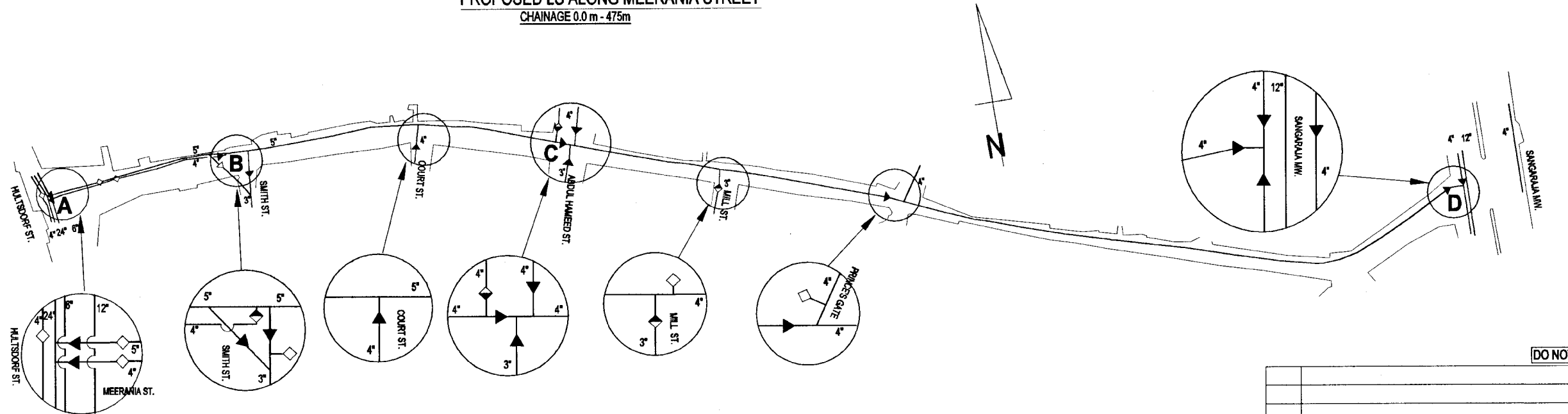
<p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p>	<p>DESIGNED: [Signature]</p>		<p>DATE: JUN. 2001</p>	
	<p>CHECKED: [Signature]</p>		<p>CONTRACT NO: NRW / CW</p>	
<p>DR. TEAM LEADER: [Signature]</p>		<p>A.G.M (P/C) INCHARGE: [Signature]</p>		<p>DWG. NO: RS/DM/RP - 68</p>
<p>TEAM LEADER: [Signature]</p>		<p>D.G.M (P/C) INCHARGE: [Signature]</p>		

DO NOT SCALE



GROUND LEVEL (m)	16.30	16.00	15.00	14.00	13.00	12.00	11.00	10.00	9.00	8.00	7.00	6.00	5.00	4.23					
INVERT LEVEL (m)	15.29	14.99	13.99	12.99	11.99	10.99	9.99	8.99	7.99	6.99	5.99	4.99	3.99	3.22					
PIPE DETAILS	110mm Ø PVC		160mm Ø PVC				110mm Ø PVC												
CHAINAGE (m)	00.00	30.00	44.00	80.00	90.00	106.00	120.00	150.00	160.00	170.00	184.00	212.00	215.00	240.00	265.00	303.00	341.00	398.00	475.00
HORIZONTAL ANGLE (°)	11.25																		

PROPOSED LS ALONG MEERANIA STREET
CHAINAGE 0.0 m - 475m

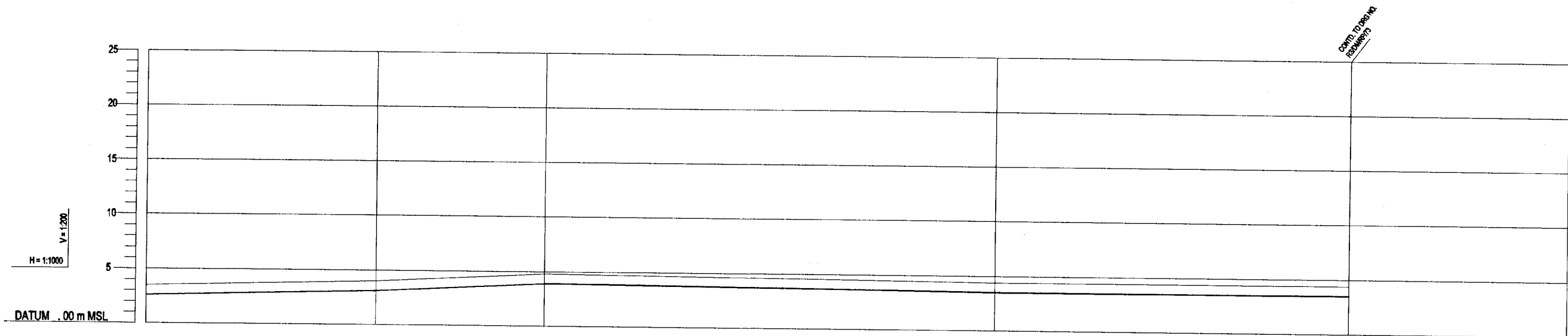


MEERANIA STREET PLAN
SCALE - 1:1000

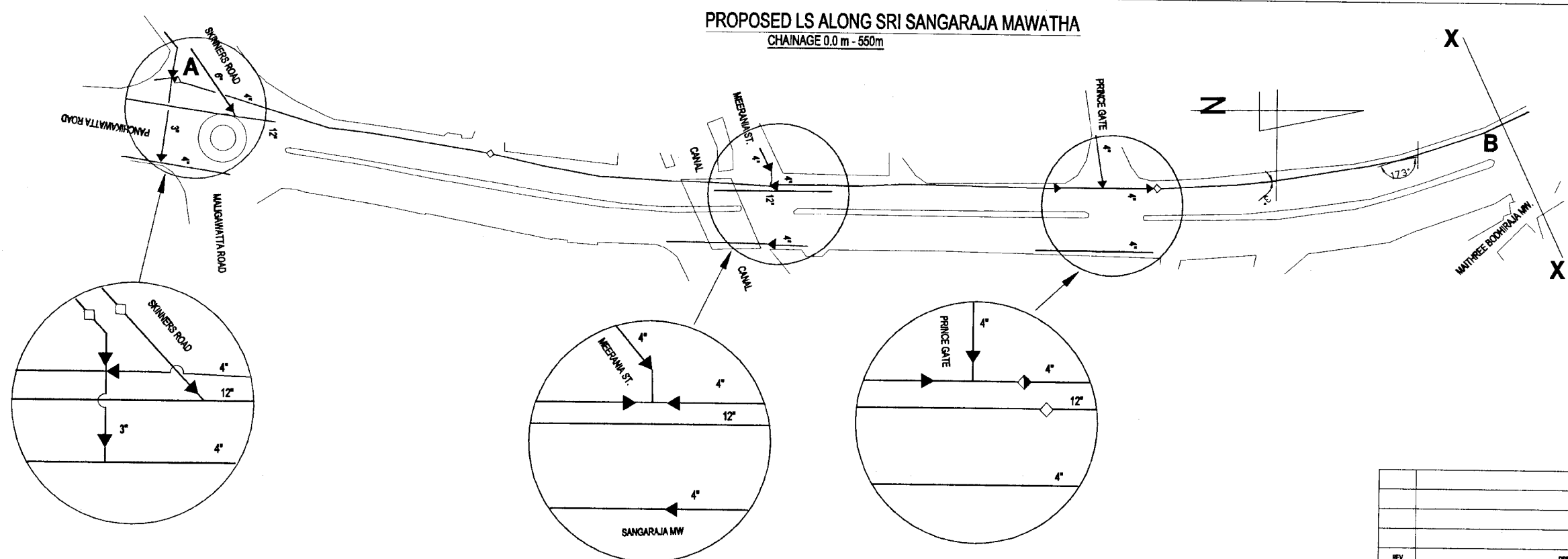
NOTE : AB - Existing 4"Ø pipe is replaced with 110mmØ PVC pipe
 AC - Existing 5"Ø pipe is replaced with 160mmØ PVC pipe
 CD - Existing 4"Ø pipe is replaced with 110mmØ PVC pipe

<p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p>	<p>SUB PROJECT: SMALL DIAMETER IN CMC (CB1)</p>	<p>TITLE: PLAN & LONGITUDINAL SECTION MEERANIA STREET</p>
	<p>DESIGNED: [Signature]</p>	<p>DRAWN: THARANGA</p>
<p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM</p>	<p>CHECKED: [Signature]</p>	<p>CONTRACT No: NRW / CW</p>
<p>NIHON SUDO CONSULTANTS CO. LTD., TOKYO, JAPAN</p>	<p>DR. TEAM LEADER: [Signature]</p>	<p>DRG. No: RS/DM/RP - 69</p>
	<p>TEAM LEADER: [Signature]</p>	

DO NOT SCALE



GROUND LEVEL (m)	3.50	4.00	4.00	4.40	4.40
INVERT LEVEL (m)	2.60	3.10	3.90	3.50	3.50
PIPE DETAILS	110mm Ø PVC				
CHAINAGE (m)	0.00	63.00	105.00	388.00	550.00
HORIZONTAL ANGLE (°)		11.25°	11.25°		



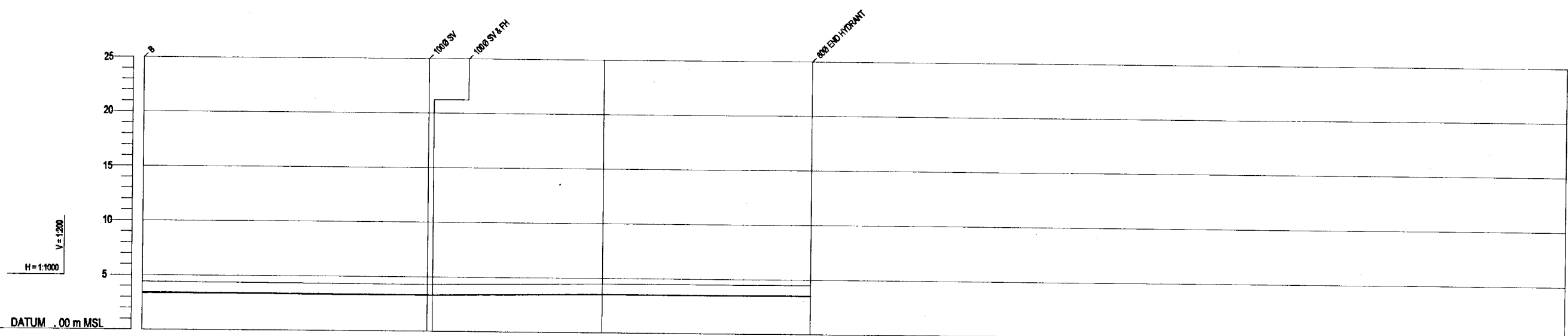
PROPOSED LS ALONG SRI SANGARAJA MAWATHA
CHAINAGE 0.0 m - 550m

SRI SANGARAJA MAWATHA PLAN
SCALE - 1:1000

NOTE : AB - Existing 4"Ø pipe is replaced with 110mm Ø PVC pipe

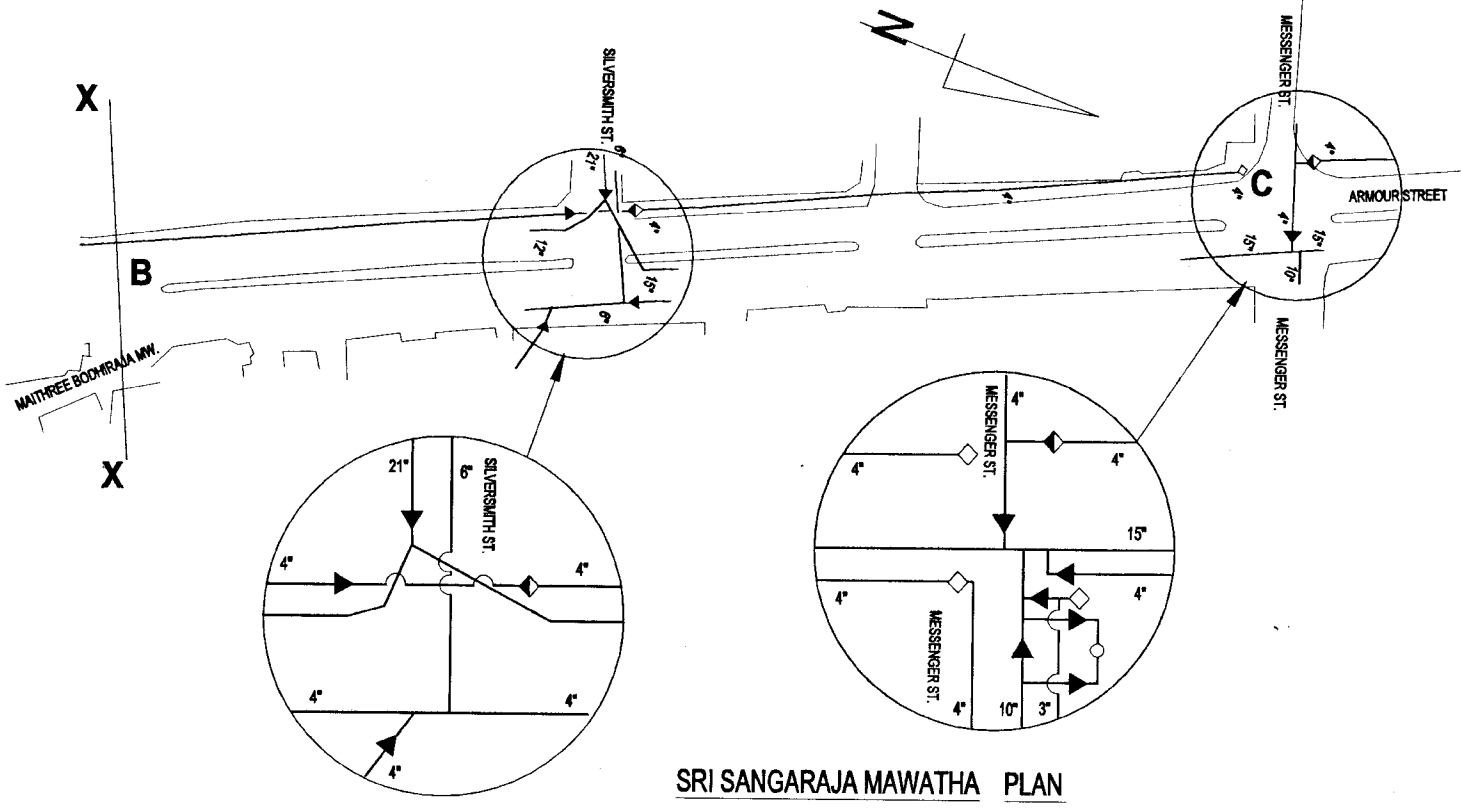
DO NOT SCALE

<p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p>	<p>SUB PROJECT: SMALL DIAMETER IN CMC (CB1)</p>	<p>TITLE: PLAN & LONGITUDINAL SECTION SRI SANGARAJA MAWATHA</p>
	<p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM</p> <p>NIHON SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN</p>	<p>DESIGNED: [Signature]</p> <p>CHECKED: [Signature]</p> <p>DR. TEAM LEADER: [Signature]</p> <p>TEAM HEAD: [Signature]</p>
<p>DATE: JAN. 2001</p>		<p>SHEET 1 OF 2</p>
<p>CONTRACT NO: NRW / CW</p>		<p>ORG. No: RS/DM/RP - 70</p>



GROUND LEVEL (m)	4.40	4.30	4.50	4.50
INVERT LEVEL (m)	3.38	3.29	3.40	3.40
PIPE DETAILS	110mm Ø PVC			
CHAINAGE (m)	550.00	600.00	760.00	855.00
HORIZONTAL ANGLE (°)				


PROPOSED LS ALONG SRI SANGARAJA MAWATHA
CHAINAGE 550.0 m - 855m

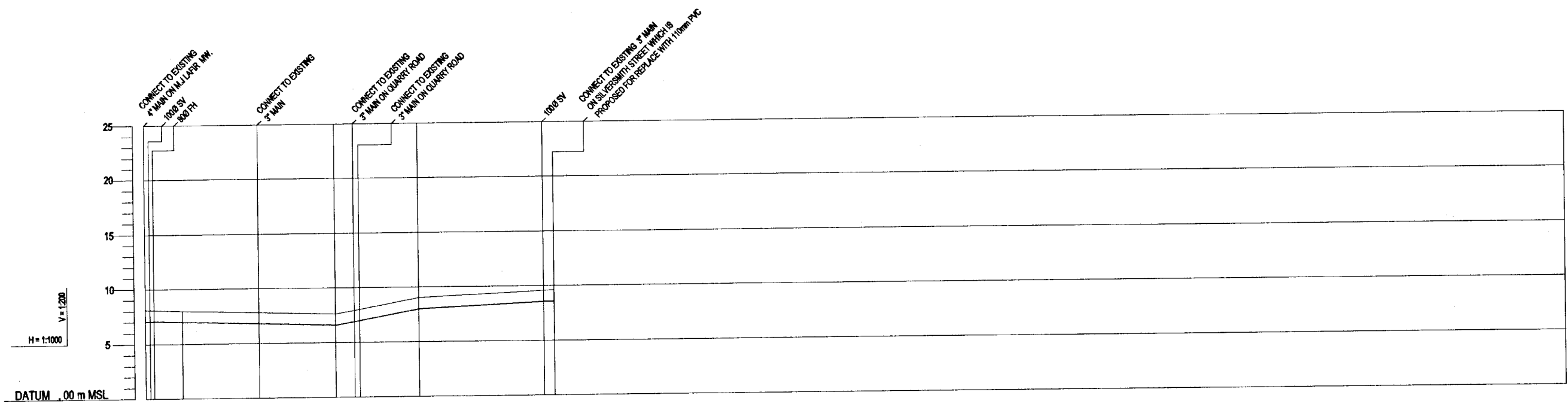


SRI SANGARAJA MAWATHA PLAN
SCALE - 1:1000

NOTE : BC - Existing 4" Ø pipe is replaced with 110mm Ø PVC pipe

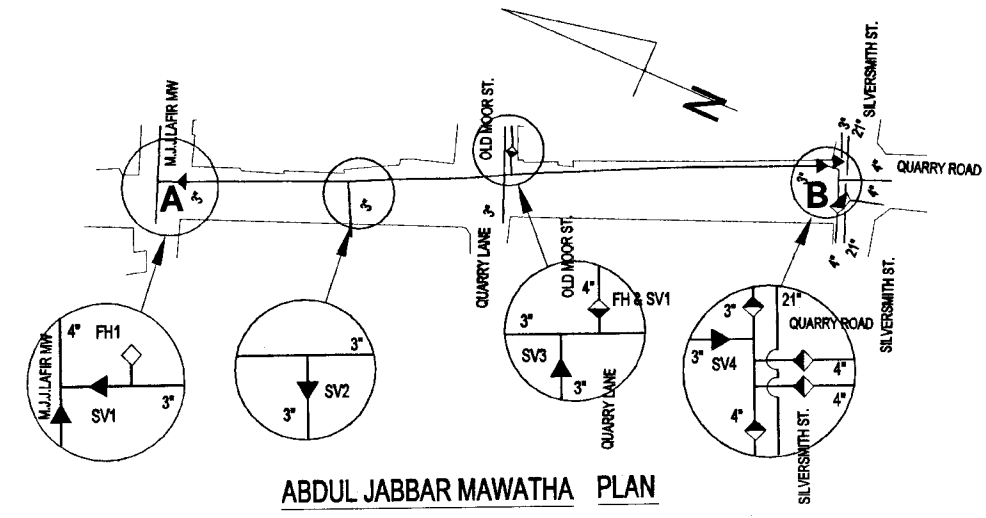
DO NOT SCALE

 <p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p>	<p>SUB PROJECT: SMALL DIAMETER IN CMC (CB1)</p>	<p>TITLE: PLAN & LONGITUDINAL SECTION SRI SANGARAJA MAWATHA SHEET 2 OF 2</p>
	<p>DESIGNED: <i>[Signature]</i></p> <p>CHECKED: <i>[Signature]</i></p> <p>DR. TEAM LEADER: <i>[Signature]</i></p>	<p>DATE: JAN. 2001</p> <p>CONTRACT No: NRW / CW</p>



GROUND LEVEL (m)	8.10	8.00	7.90	8.00	8.00	8.00
INVERT LEVEL (m)	7.09	6.99	6.99	6.99	7.09	8.59
PIPE DETAILS	110mm Ø PVC					
CHAINAGE (m)	0.00	17.00	52.00	87.00	98.00	125.00
HORIZONTAL ANGLE (°)						

PROPOSED LS ALONG ABDUL JABBAR MAWATHA
CHAINAGE 0.0 m - 187m



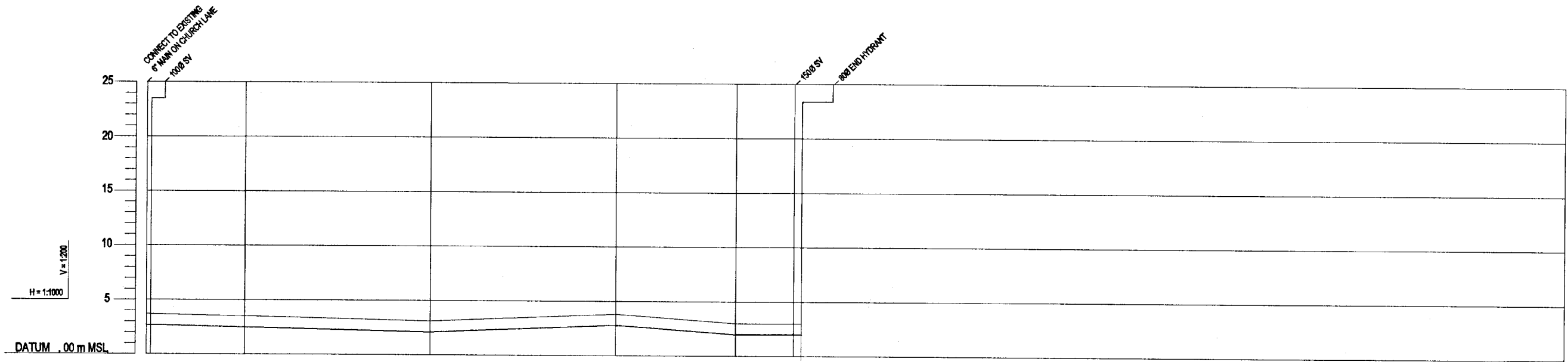
ABDUL JABBAR MAWATHA PLAN

SCALE - 1:1000

NOTE : AB - Existing 3"Ø pipe is replaced with 110mmØ PVC pipe

DO NOT SCALE

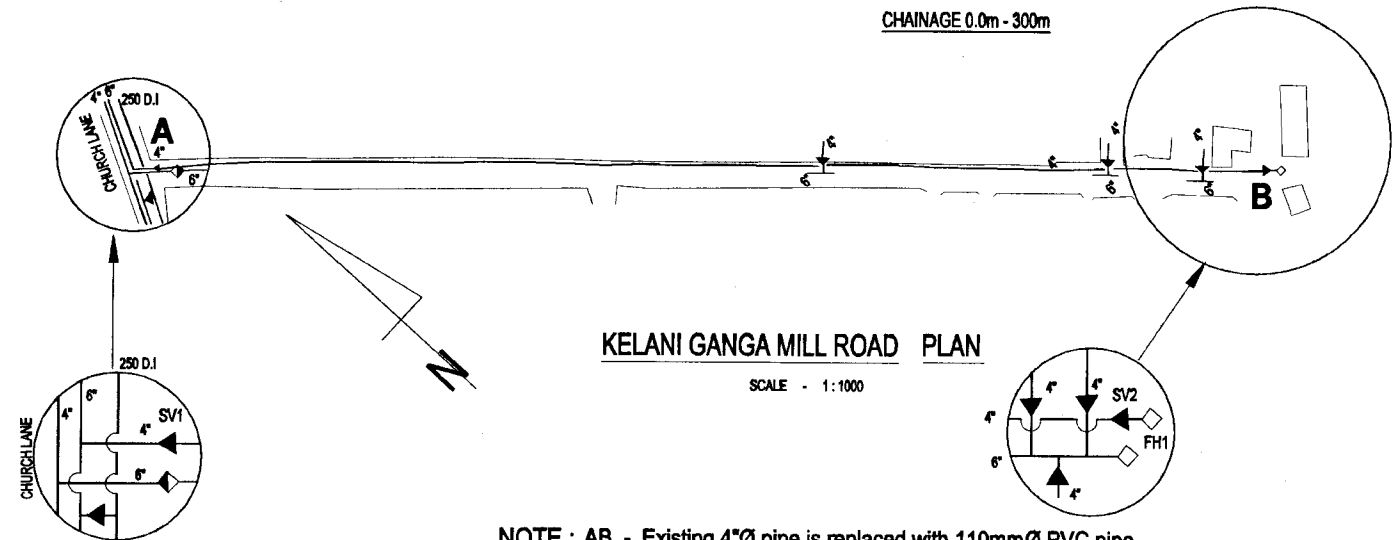
<p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p>	<p>SUB PROJECT: SMALL DIAMETER IN CMC (CB1)</p>	<p>TITLE: PLAN & LONGITUDINAL SECTION ABDUL JABBAR MAWATHA</p>
	<p>DESIGNED: <i>Prasa</i></p>	<p>DRAWN: THARANGA</p>
<p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM</p>	<p>CHECKED: <i>Prasa</i></p>	<p>CONTRACT No: NRW / CW</p>
<p>NIHON SUJIDO CONSULTANTS CO. LTD., TOKYO, JAPAN</p>	<p>DRY. TEAM LEADER: <i>Prasa</i></p>	<p>DRG. No: RS/DMRP - 72</p>
	<p>TEAM LEADER: <i>Prasa</i></p>	



GROUND LEVEL (m)	3.70	3.50	3.10	3.79	3.00	3.00
INVERT LEVEL (m)	2.69	2.49	2.09	2.78	1.98	1.98
PIPE DETAILS	110mm Ø PVC					
CHAINAGE (m)	0.00	50.00	125.00	200.00	275.00	300.00
HORIZONTAL ANGLE (°)						

PROPOSED LS ALONG KELANI GANGA MILL ROAD

CHAINAGE 0.0m - 300m



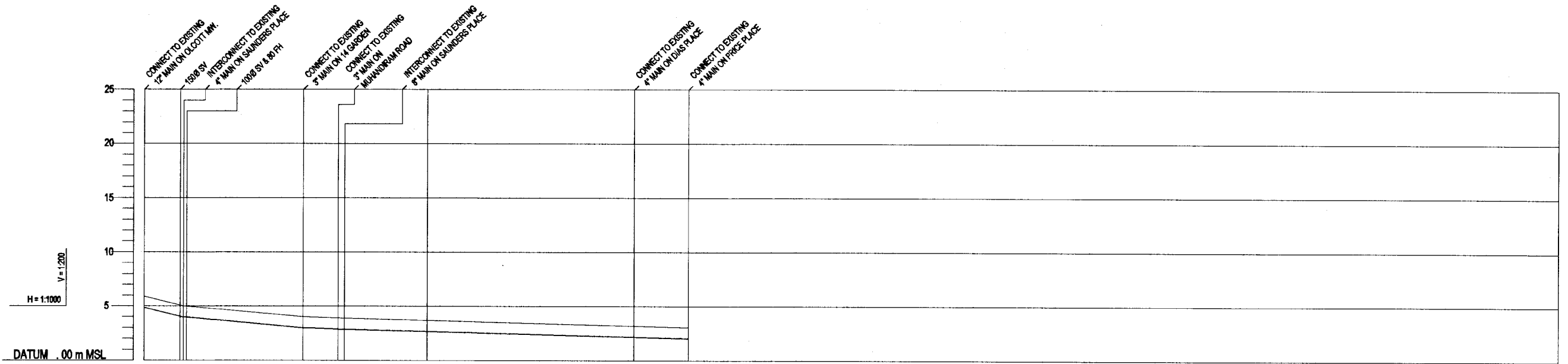
KELANI GANGA MILL ROAD PLAN

SCALE - 1:1000

NOTE : AB - Existing 4"Ø pipe is replaced with 110mmØ PVC pipe

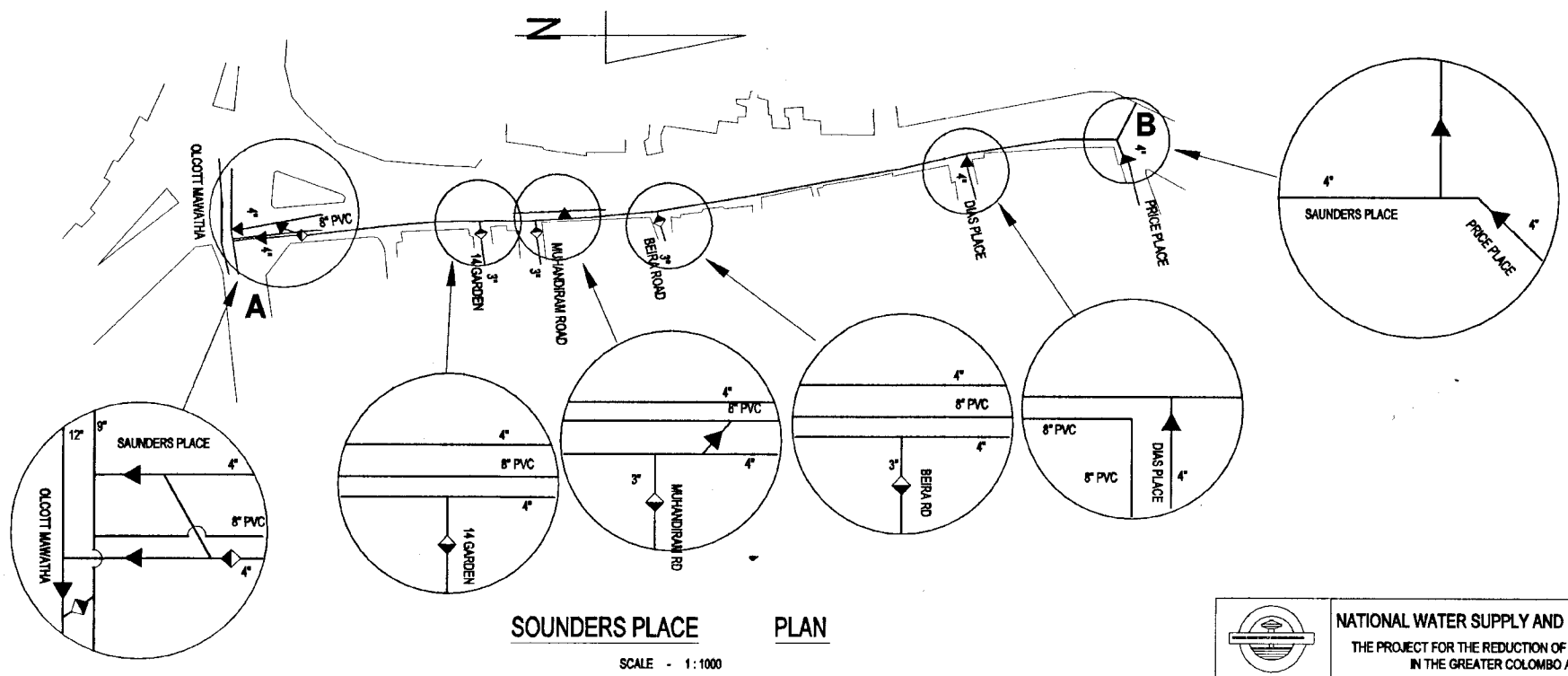
DO NOT SCALE

<p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p>	<p>SUB PROJECT: SMALL DIAMETER IN CMC (CB1)</p>	<p>TITLE: PLAN & LONGITUDINAL SECTION KALANIGANGA MILL ROAD</p>
	<p>DESIGNED: [Signature]</p> <p>CHECKED: [Signature]</p> <p>BY TEAM LEADER: [Signature]</p> <p>TEAM LEADER: [Signature]</p>	<p>DRAWN: THARANGA</p> <p>FM (NWS&D) INCHARGE: [Signature]</p> <p>A.E.M (PED) INCHARGE: [Signature]</p> <p>D.G.M (PED) INCHARGE: [Signature]</p>



GROUND LEVEL (m)	5.90	5.00	4.00	3.90	3.00	3.05
INVERT LEVEL (m)	4.89	3.99	2.99	2.89	2.04	2.04
PIPE DETAILS	110mm Ø PVC					
CHAINAGE (m)	25.00	18.00	73.00	82.00	130.00	225.00
HORIZONTAL ANGLE (°)	11.25°					

PROPOSED LS ALONG SAUNDERS PLACE
CHAINAGE 0.0 m - 250m

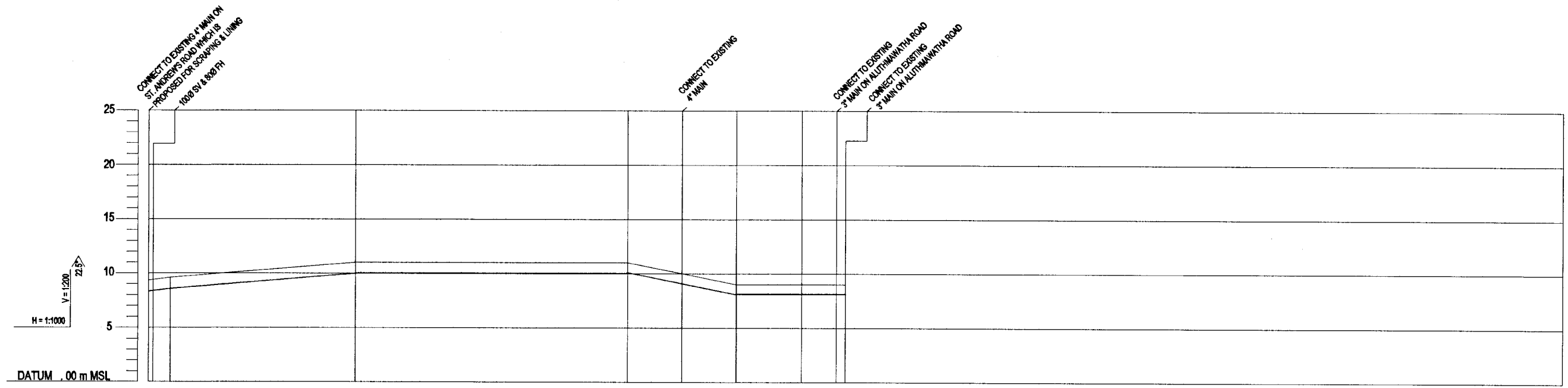


SAUNDERS PLACE PLAN
SCALE - 1:1000

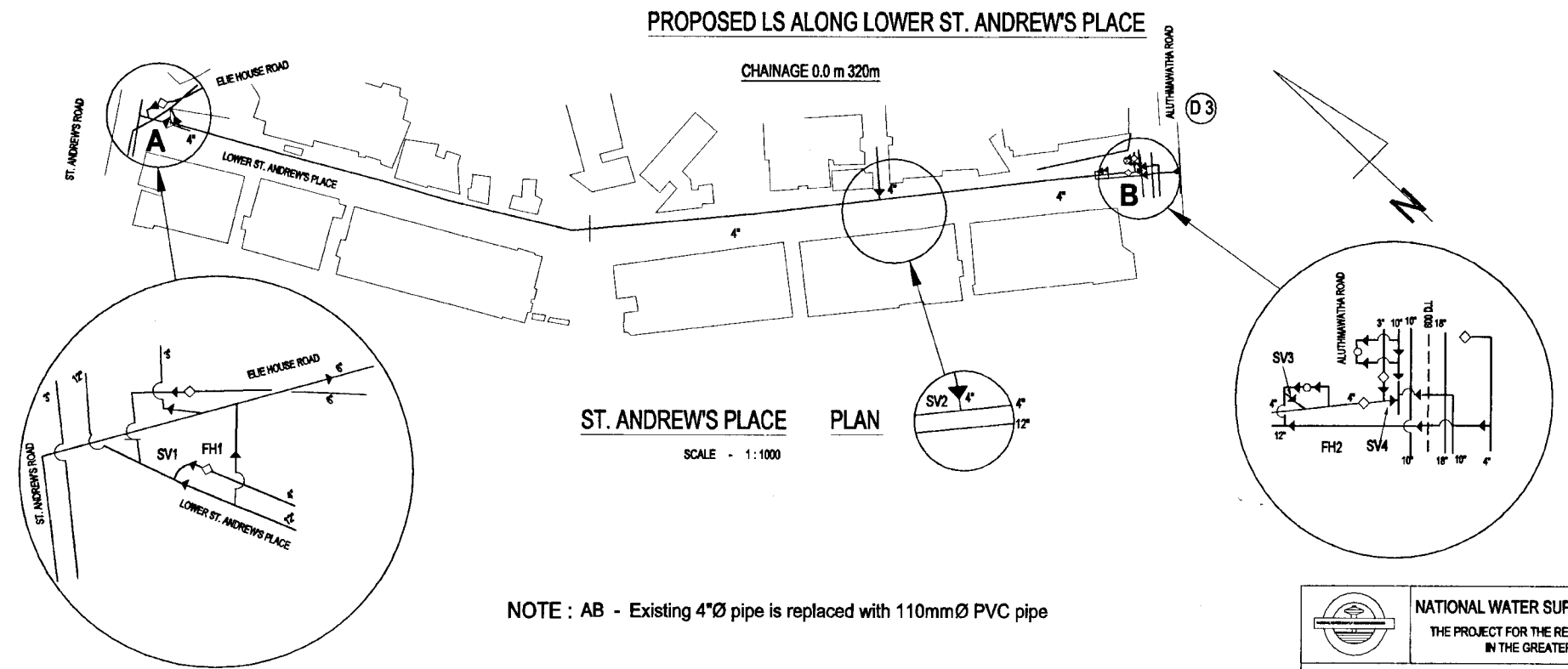
NOTE : AB - Existing 4"Ø pipe is replaced with 110mmØ PVC pipe

DO NOT SCALE

<p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p>	<p>SUB PROJECT: SMALL DIAMETER IN CMC (CB1)</p>	<p>TITLE: PLAN & LONGITUDINAL SECTION SAUNDERS PLACE</p>
	<p>DESIGNED: [Signature]</p> <p>CHECKED: [Signature]</p> <p>DRY TEAM LEADER: [Signature]</p>	<p>DRAWN: THARANGA</p> <p>PA (NEWSPAP) INCHARGE: [Signature]</p> <p>A.G.M (P&D) INCHARGE: E. D. A. J.</p> <p>D.G.M (P&D) INCHARGE: [Signature]</p>



GROUND LEVEL (m)	9.38	9.80	11.0	11.00	9.0	9.0	9.0
INVERT LEVEL (m)	9.35	8.99	9.99	9.99	7.99	7.99	7.99
PIPE DETAILS	110mm Ø PVC						
CHAINAGE (m)	245.00	3.00	10.00	96.00	125.00	144.00	220.00
HORIZONTAL ANGLE (°)	22.5						




NOTE : AB - Existing 4"Ø pipe is replaced with 110mmØ PVC pipe

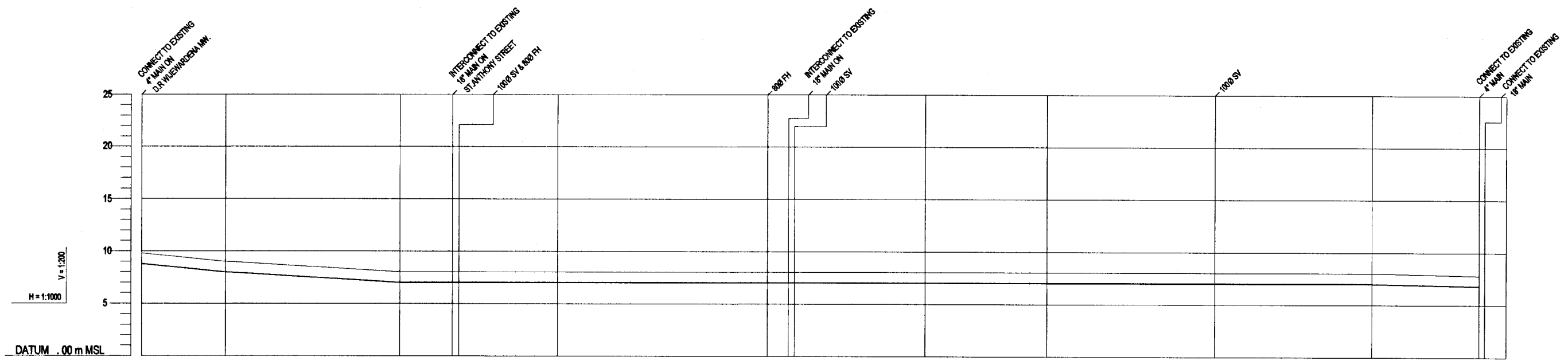
DO NOT SCALE

REV	DESCRIPTION

SUB PROJECT: SMALL DIAMETER IN CMC (CB1)		TITLE: PLAN & LONGITUDINAL SECTION LOWER ST. ANDREW'S PLACE	
DESIGNED: <i>[Signature]</i>	DRAWN: THARANGA	DATE: JAN. 2001	
CHECKED: <i>[Signature]</i>	PAI (NWS&PS) INCHARGE: <i>[Signature]</i>	CONTRACT No: NRW/CW	
BY TEAM LEADER: <i>[Signature]</i>	A.G.M (P&D) INCHARGE: <i>[Signature]</i>	ORIG. No:	
TEAM LEADER: <i>[Signature]</i>	D.G.M (P&D) INCHARGE:	RS/DM/RP - 75	

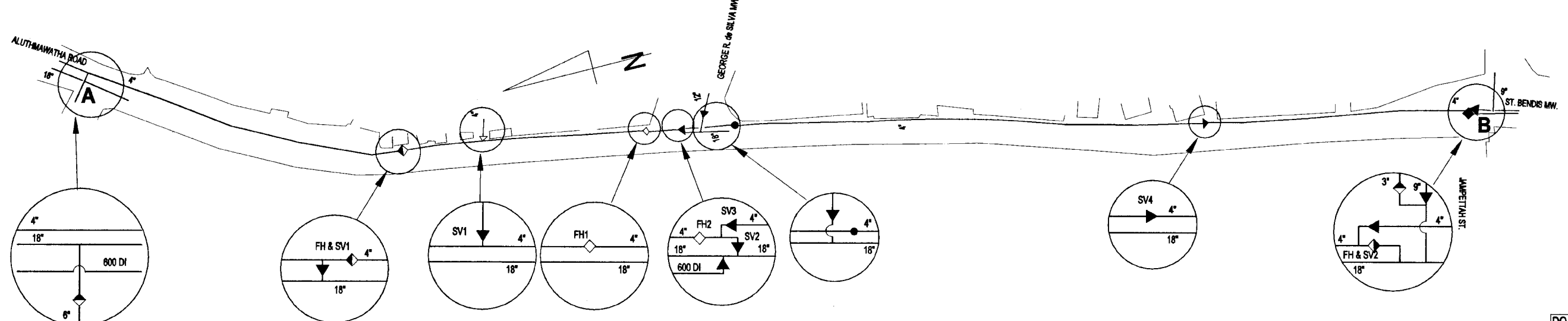

NATIONAL WATER SUPPLY AND DRAINAGE BOARD
 THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
 STUDY TEAM
 NIKON SUDO CONSULTANTS CO. LTD.,
 TOKYO, JAPAN



GROUND LEVEL (m)	9.00	9.00	8.00		8.00	8.00	8.00	8.00	7.90				
INVERT LEVEL (m)	8.99	7.99	6.99		6.99	6.99	6.99	6.99	6.79				
PIPE DETAILS	110mm Ø PVC												
CHAINAGE (m)	0.00	40.00	123.00	143.00	148.00	198.00	298.00	308.00	372.00	431.00	511.00	598.00	637.00
HORIZONTAL ANGLE (°)	<div style="display: flex; justify-content: space-between; align-items: center;"> ← 22.5° → </div>												

PROPOSED LS ALONG ST. ANTHONY STREET
CHAINAGE 0.0 m - 637m

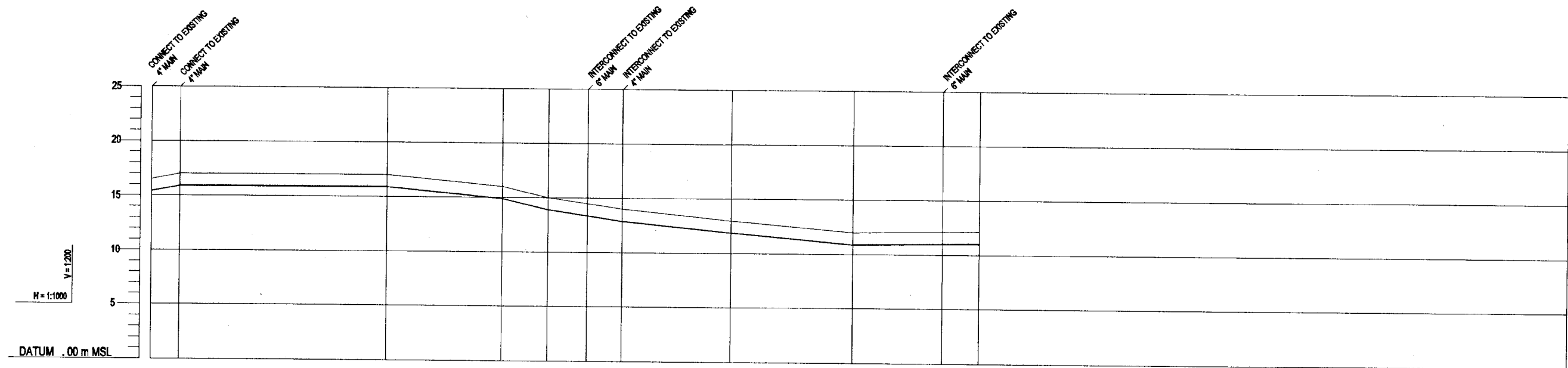


ST. ANTHONY STREET PLAN
SCALE - 1:1000

NOTE : AB - Existing 4"Ø pipe is replaced with 110mmØ PVC pipe

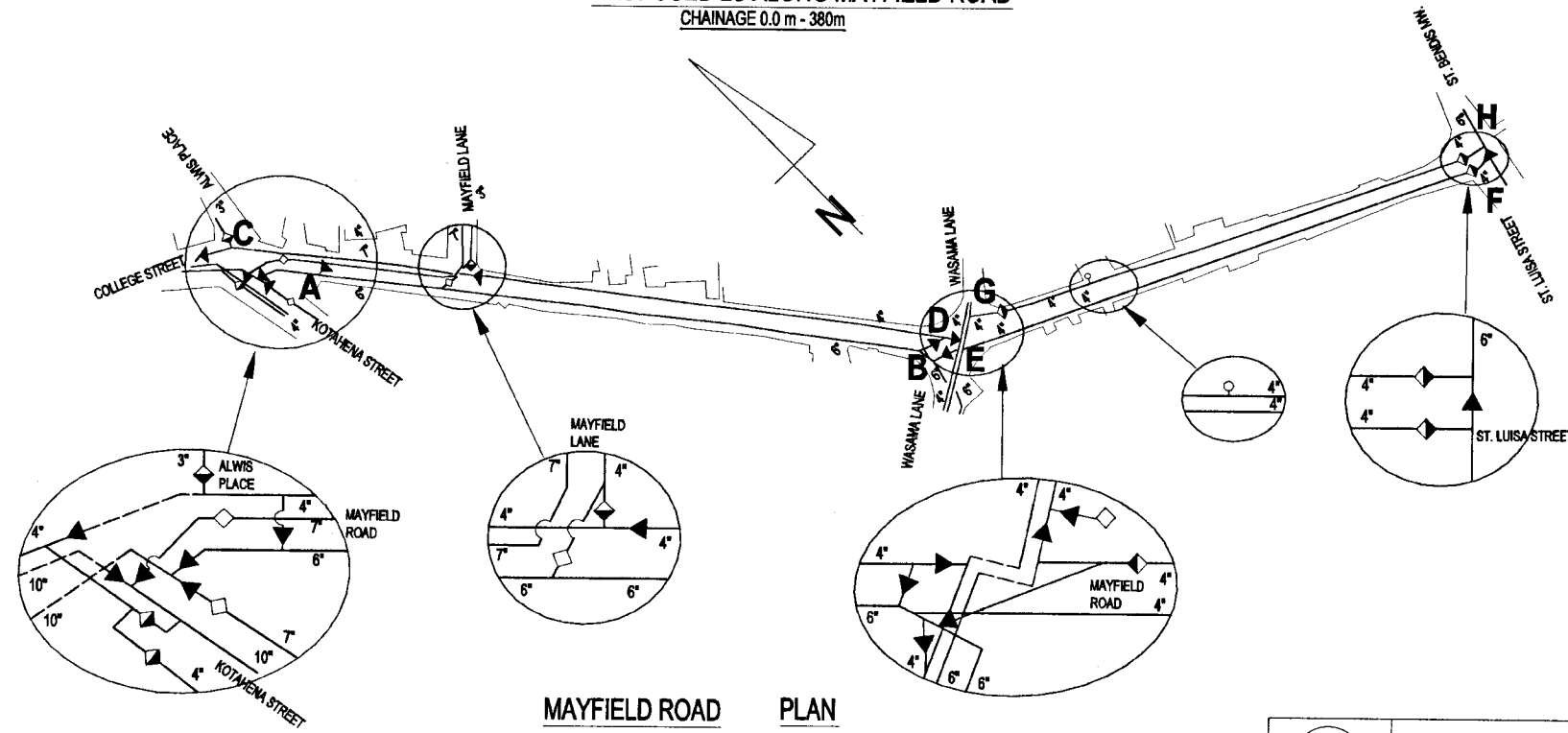
DO NOT SCALE

 NATIONAL WATER SUPPLY AND DRAINAGE BOARD <small>THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</small>	SUB PROJECT: SMALL DIAMETER IN CMC (CB1)		TITLE: PLAN & LONGITUDINAL SECTION ST. ANTHONY STREET
	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM <small>NIHON SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN</small>		DESIGNED: <i>[Signature]</i> CHECKED: <i>[Signature]</i> DR. TEAM LEADER: <i>[Signature]</i> TEAM LEADER: <i>[Signature]</i>
		DATE: JAN. 2001	CONTRACT No: NRW / CW
		DIR. No: RS/DM/RP - 76	



GROUND LEVEL (m)	16.50	17.00	17.00	16.00	15.00	14.00	13.00	12.00	12.10	12.14		
INVERT LEVEL (m)	16.50	17.00	17.00	16.00	15.00	14.00	13.00	12.00	12.10	12.14		
PIPE DETAILS	110mm Ø PVC		180mm Ø PVC		110mm Ø PVC		110mm Ø PVC					
CHAINAGE (m)	0.00	11.00	13.00	108.00	161.00	182.00	210.00	216.00	286.00	322.00	363.00	380.00
HORIZONTAL ANGLE (°)	45°											

PROPOSED LS ALONG MAYFIELD ROAD
CHAINAGE 0.0 m - 380m



MAYFIELD ROAD PLAN

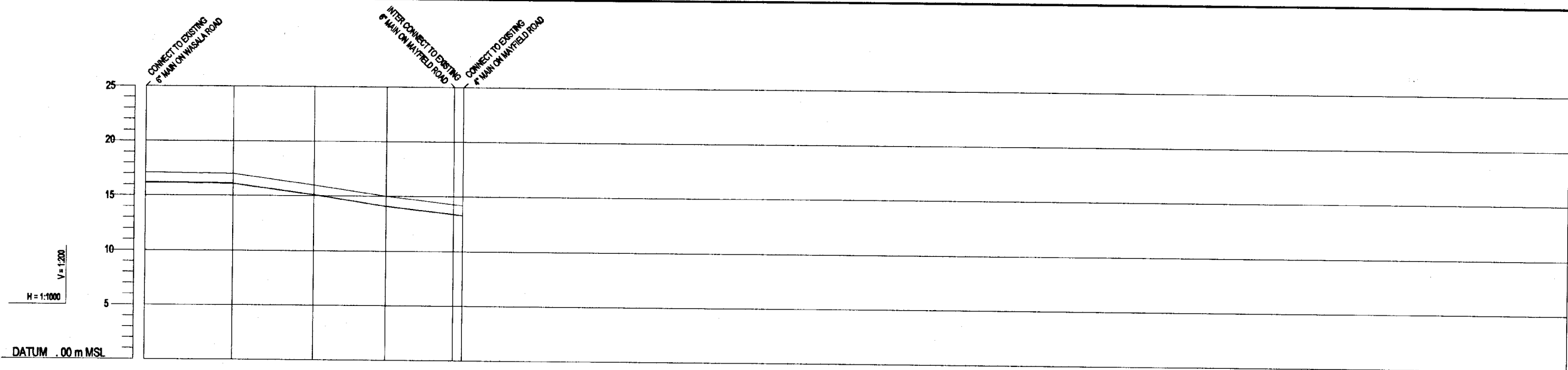
SCALE - 1:1000

NOTE :

- CD - Existing 4"Ø pipe is replaced with 110mmØ PVC pipe
- EF - Existing 4"Ø pipe is replaced with 110mmØ PVC pipe
- GH - Existing 4"Ø pipe is replaced with 110mmØ PVC pipe

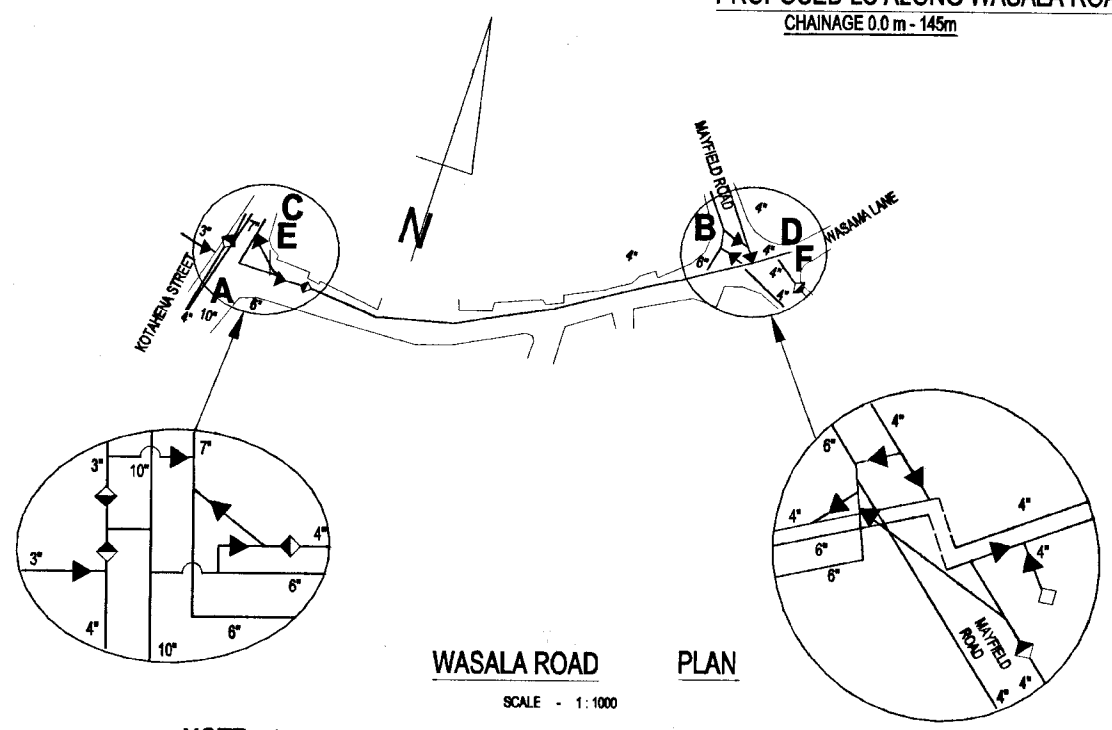
DO NOT SCALE

<p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p>	<p>SUB PROJECT: SMALL DIAMETER IN CMC (CB1)</p>	<p>TITLE: PLAN & LONGITUDINAL SECTION MAYFIELD ROAD</p>
	<p>DESIGNED: [Signature]</p> <p>CHECKED: [Signature]</p> <p>DRY. TEAM LEADER: [Signature]</p> <p>TEAM LEADER: [Signature]</p>	<p>DRAWN: THARANGA</p> <p>PIU (NRWSAP'S) APPROVED: [Signature]</p> <p>A.S.M (P&E) NUMBER: R. D. A. J.</p> <p>C.O.M (P&E) NUMBER:</p>
<p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM</p> <p>NIHON SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN</p>		



GROUND LEVEL (m)	17.10	17.00	16.00	15.00	14.20
INVERT LEVEL (m)	16.20	15.10	15.10	14.10	13.30
PIPE DETAILS	← 110mm Ø PVC →				
CHAINAGE (m)	0.00	40.00	77.00	110.00	145.00
HORIZONTAL ANGLE (°)					


PROPOSED LS ALONG WASALA ROAD
CHAINAGE 0.0 m - 145m

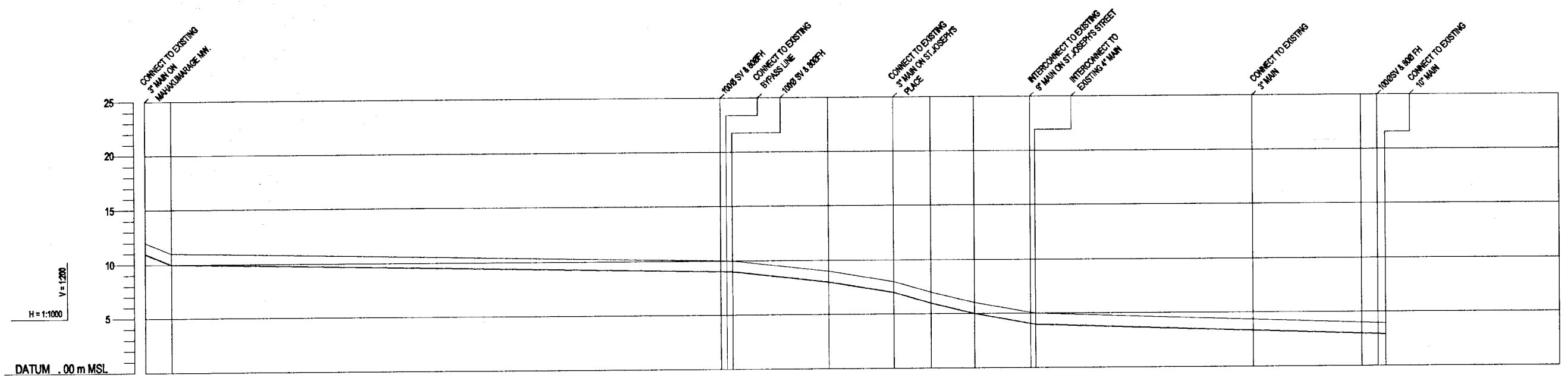


WASALA ROAD PLAN
SCALE - 1:1000

NOTE : CD - Existing 4"Ø pipe is replaced with 110mm Ø PVC pipe

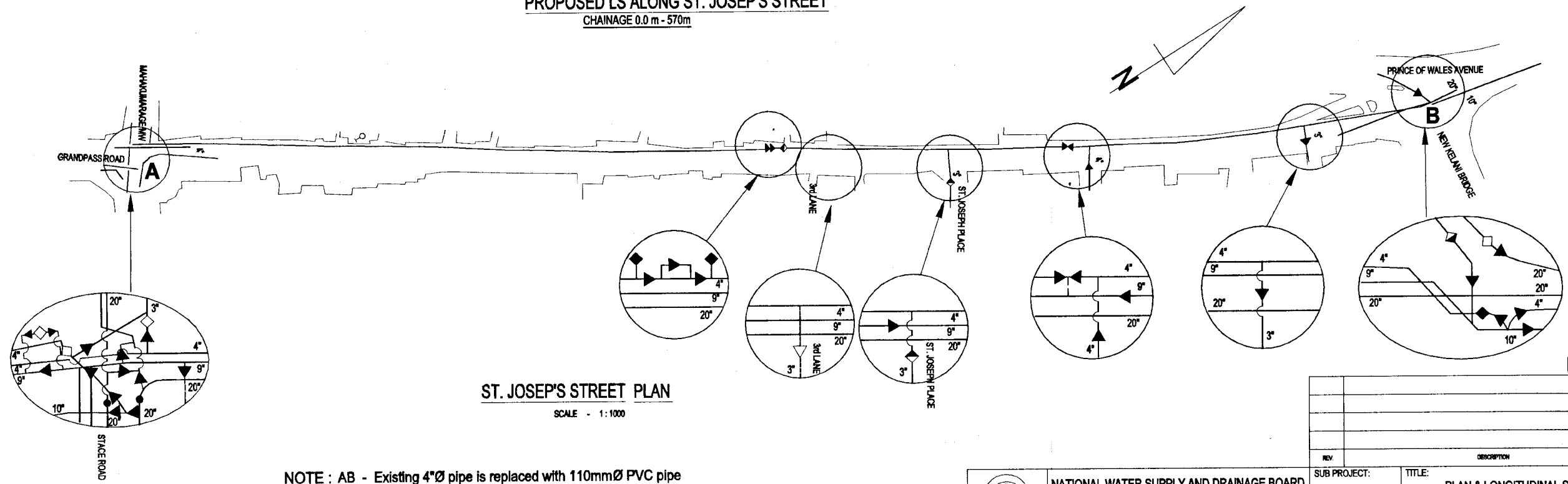
DO NOT SCALE

 NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA	SUB PROJECT: SMALL DIAMETER IN CMC (CB1)	TITLE: PLAN & LONGITUDINAL SECTION WASALA ROAD
	DESIGNED: <i>Prasanna</i> CHECKED: <i>Prasanna</i> BY: TEAM LEADER TEAM LEADER: <i>Prasanna</i>	DRAWN: THARANGA PM (NRWSAPS) INCHARGE: <i>[Signature]</i> A.G.M (P&E) INCHARGE: <i>[Signature]</i> D.G.M (P&E) INCHARGE: <i>[Signature]</i>



GROUND LEVEL (m)	12.00	11.00																4.00	3.92	
INVERT LEVEL (m)	10.99	9.99																2.99	2.91	
PIPE DETAILS	110mm Ø PVC																			
CHAINAGE (m)	0.00	12.00			270.00		314.00		344.00		361.00		381.00		409.00		500.00		559.00	570.00
HORIZONTAL ANGLE (°)																				

PROPOSED LS ALONG ST. JOSEPH'S STREET
CHAINAGE 0.0 m - 570m

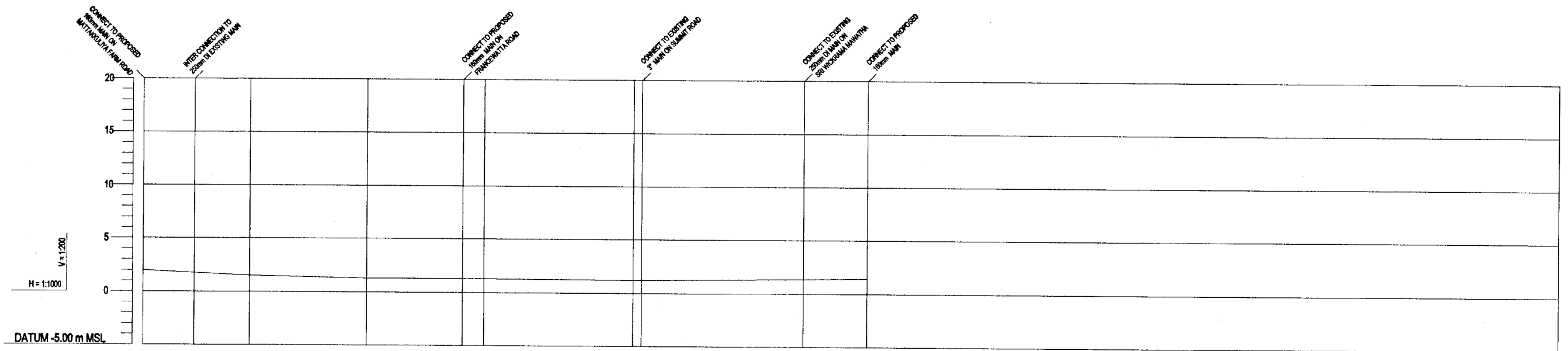


ST. JOSEPH'S STREET PLAN
SCALE - 1:1000

NOTE : AB - Existing 4"Ø pipe is replaced with 110mmØ PVC pipe

<p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p> <p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM</p> <p>NIHON SUDO CONSULTANTS CO. LTD., TOKYO, JAPAN</p>	<p>SUB PROJECT: SMALL DIAMETER IN CMC (CB1)</p>	<p>TITLE: PLAN & LONGITUDINAL SECTION ST. JOSEPH'S STREET</p>
	<p>DESIGNED: [Signature]</p> <p>CHECKED: [Signature]</p> <p>DR. TEAM LEADER: [Signature]</p> <p>TEAM LEADER: [Signature]</p>	<p>DATE: JUN 2001</p> <p>CONTRACT No: NRW / CW</p> <p>DWG. No: RS/DM/RP - 79</p>

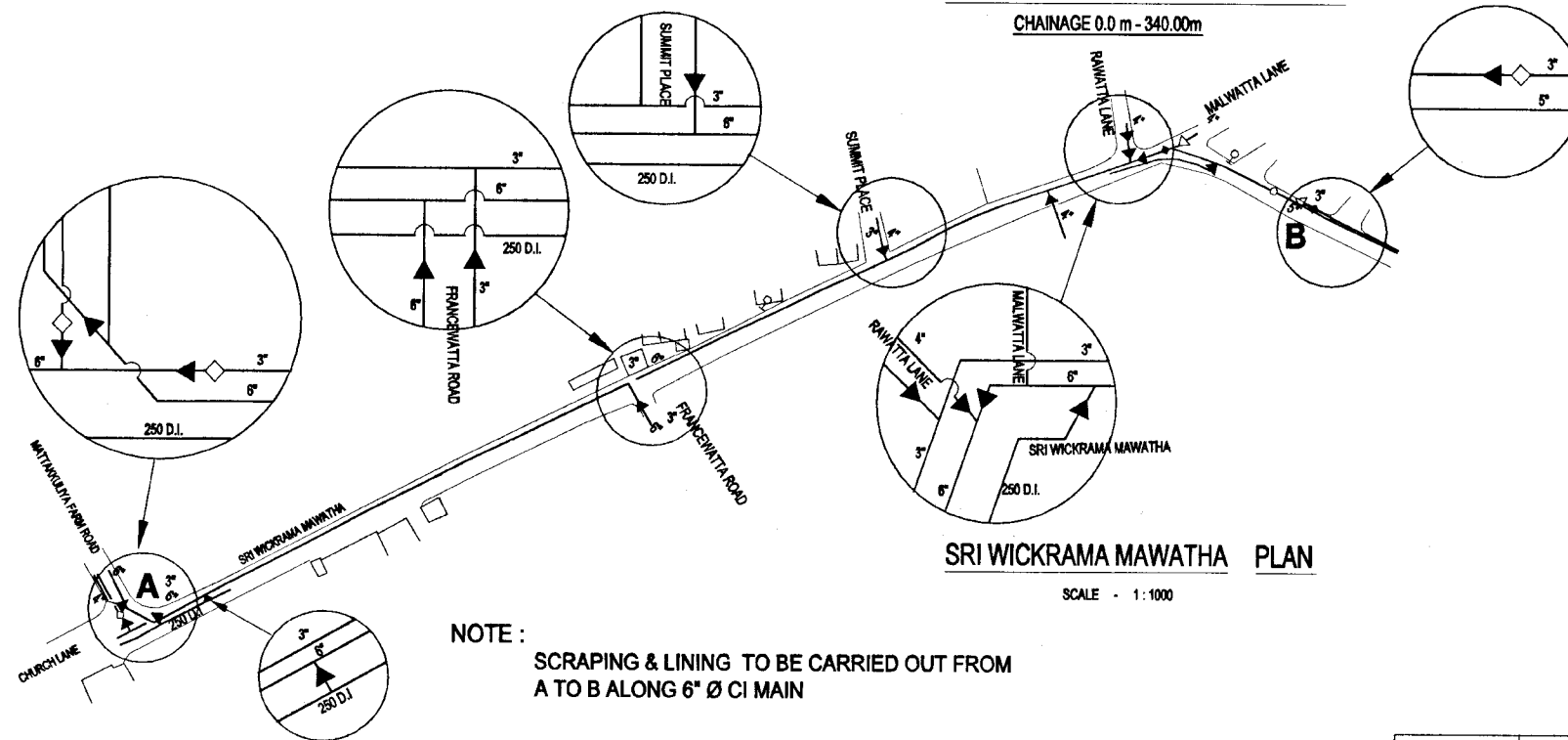
DO NOT SCALE



GROUND LEVEL (m)	2.00	1.50	1.30	0.40	0.30
INVERT LEVEL (m)					
PIPE DETAILS	6"				
CHAINAGE (m)	0.00	24.00	50.00	105.00	150.00
HORIZONTAL ANGLE (°)				45°	

LS ALONG SRI WICKRAMA MAWATHA

CHAINAGE 0.0 m - 340.00m



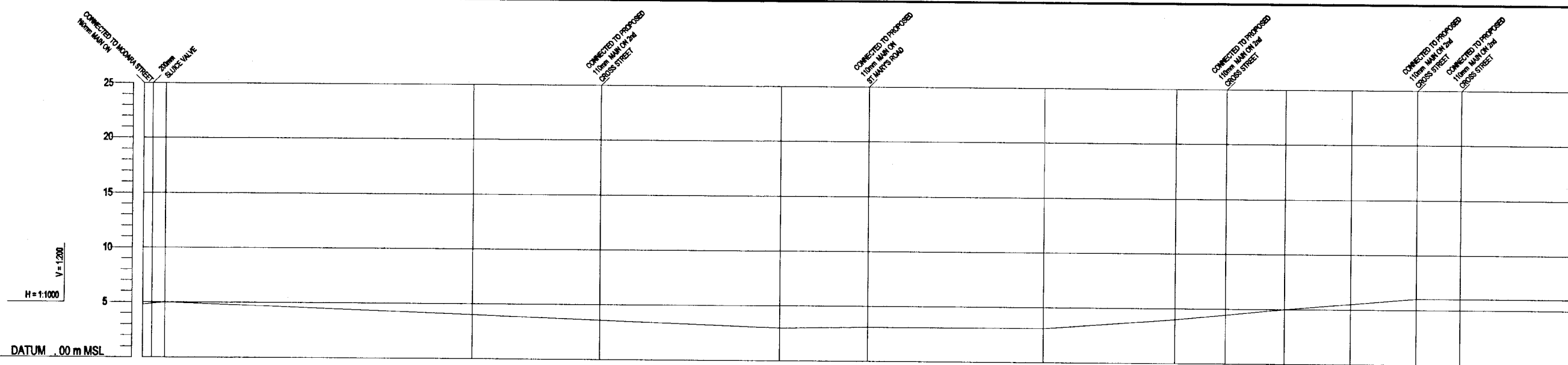
SRI WICKRAMA MAWATHA PLAN

SCALE - 1:1000

NOTE : SCRAPING & LINING TO BE CARRIED OUT FROM A TO B ALONG 6" Ø CI MAIN

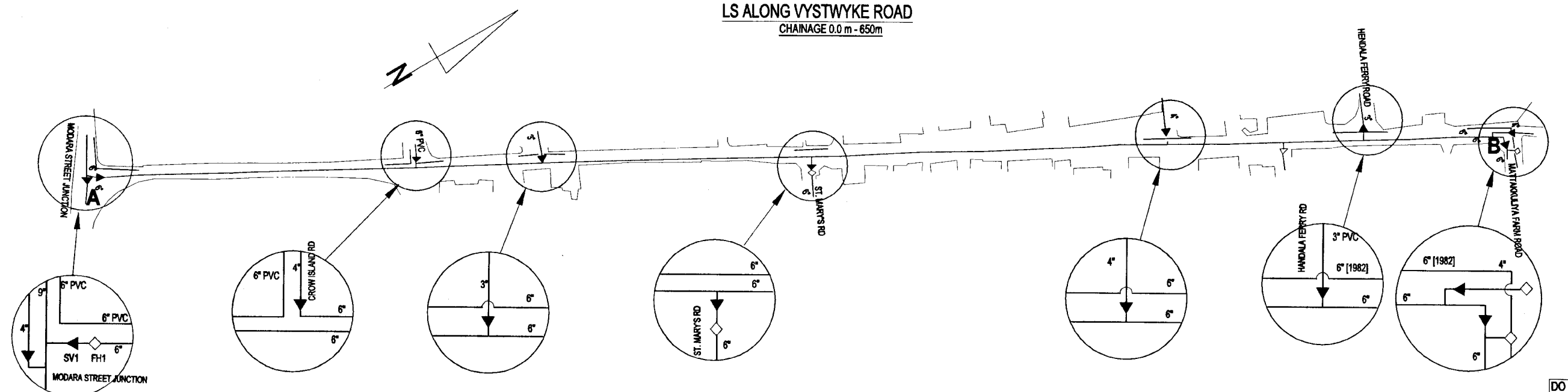
DO NOT SCALE

<p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p>	SUB PROJECT: SMALL DIAMETER IN CMC (CB1)		TITLE: PLAN & LONGITUDINAL SECTION SRI WICKRAMA MAWATHA	
	DESIGNED: <i>[Signature]</i>	DRAWN: THARANGA	DATE: JAN 2001	CONTRACT No: NRW / CW
<p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM NIHON SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN</p>	CHECKED: <i>[Signature]</i>	A.G.M (P&I) NUMBER: E.O. & J.	D.G.M (P&I) NUMBER: RS/DM/RH-01	
	DT. TEAM LEADER: <i>[Signature]</i>	TEAM LEADER: <i>[Signature]</i>		



GROUND LEVEL (m)	4.80	5.00	4.00	3.00	3.10	3.10	4.00	4.00	5.00	5.50	6.00	6.00	6.00	
INVERT LEVEL (m)														
PIPE DETAILS	6" Ø													
CHAINAGE (m)	0.00	10.00	190.00	200.00	290.00	300.00	410.00	470.00	483.00	520.00	550.00	580.00	600.00	650.00
HORIZONTAL ANGLE (°)														

LS ALONG VYSTWYKE ROAD
CHAINAGE 0.0 m - 650m

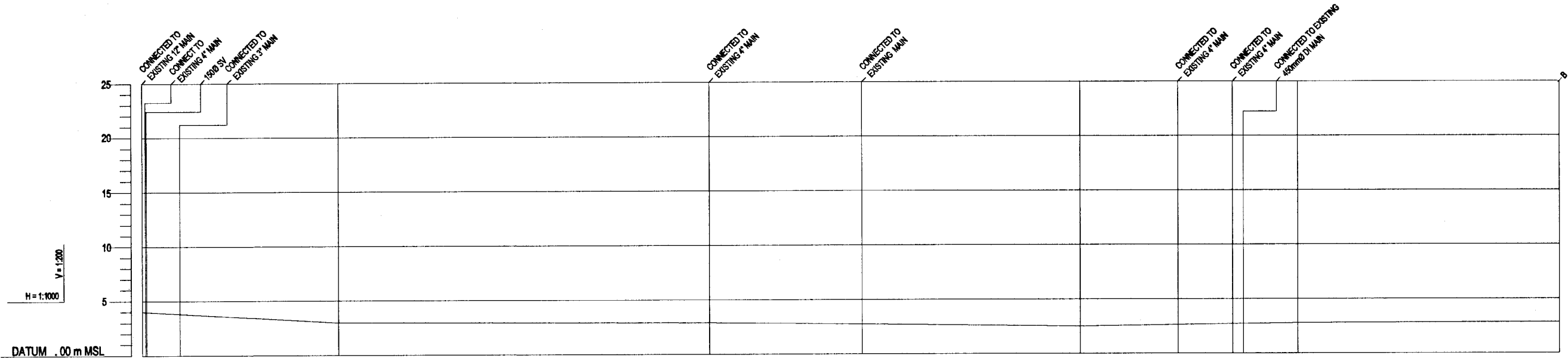


NOTE :
SCRAPING & LINING TO BE CARRIED OUT FROM
A TO B ALONG 6" Ø CI MAIN

VYSTWYKE ROAD PLAN
SCALE - 1:2000

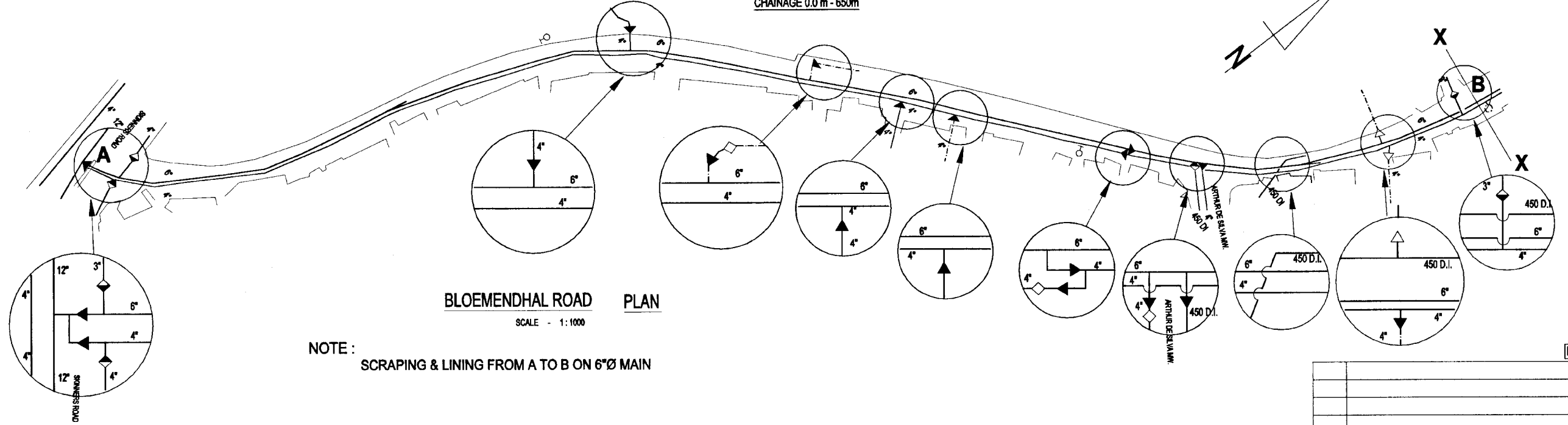
DO NOT SCALE

<p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p>	<p>SUB PROJECT: SMALL DIAMETER IN CMC (CB1)</p>	<p>TITLE: PLAN & LONGITUDINAL SECTION VYSTWYKE ROAD</p>
	<p>DESIGNER: THARANGA</p>	<p>DATE: JAN. 2001</p>
<p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM</p>	<p>CHECKED: A.G.M (P&D) INCHARGE: R.D.A.</p>	<p>CONTRACT No.: NRW / CW</p>
<p>NIHON SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN</p>	<p>DR. TEAM LEADER: S.D.M (P&D) INCHARGE:</p>	<p>ORG. No.: RS/DM/RH-02</p>




GROUND LEVEL (m)	4.00	3.00	2.50	2.50	2.00	1.80	1.80	2.00	2.00			
INVERT LEVEL (m)	3.10	2.10	2.00	2.00	1.80	1.80	1.80	1.80	1.80			
PIPE DETAILS	6"Ø											
CHAINAGE (m)	475.00	31.30	81.7	90.00	220.6	260.00	330.00	430.00	475.00	500.00	530.00	650.00
HORIZONTAL ANGLE (°)	11.25	11.25	11.25	11.25	11.25	11.25	11.25	11.25	11.25	11.25	11.25	11.25

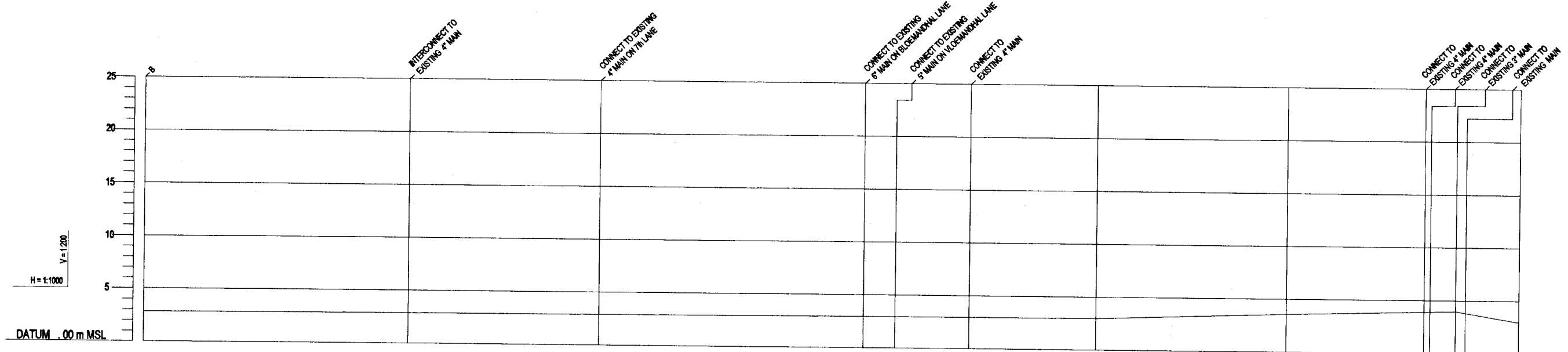
LS ALONG BLOEMENDHAL ROAD
CHAINAGE 0.0 m - 650m



NOTE :
SCRAPING & LINING FROM A TO B ON 6"Ø MAIN

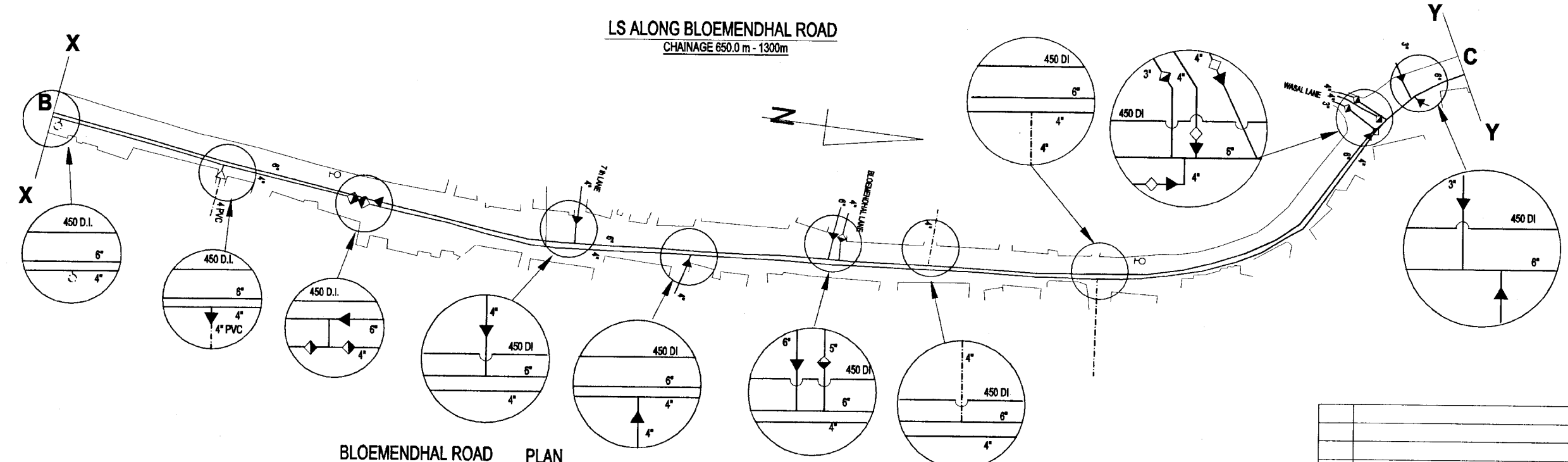
DO NOT SCALE

 <p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p>	<p>SUB PROJECT: SMALL DIAMETER IN CMC (CB1)</p>	<p>TITLE: PLAN & LONGITUDINAL SECTION BLOEMENDHAL ROAD SHEET 1 OF 4</p>
	<p>DESIGNED: [Signature]</p> <p>CHECKED: [Signature]</p> <p>DRY TEAM LEADER: [Signature]</p> <p>TEAM LEADER: [Signature]</p>	<p>DRAWN: THARANGA</p> <p>PA (NRWS/SPS) INCHARGE: [Signature]</p> <p>A.G.M (P&D) INCHARGE: [Signature]</p> <p>D.G.M (P&D) INCHARGE: [Signature]</p>



GROUND LEVEL (m)	2.84																
INVERT LEVEL (m)	1.84						2.10		2.70		3.00		3.10		2.50		
PIPE DETAILS	6"Ø																
CHAINAGE (m)	650.00		775.00		885		990.00	1005.00	1040.00		1100.00	1125.00	1210.00	1190.00	1255.00	1270.00	1300.00
HORIZONTAL ANGLE (°)					11.25'							11.25'	12.25'				


LS ALONG BLOEMENDHAL ROAD
CHAINAGE 650.0 m - 1300m

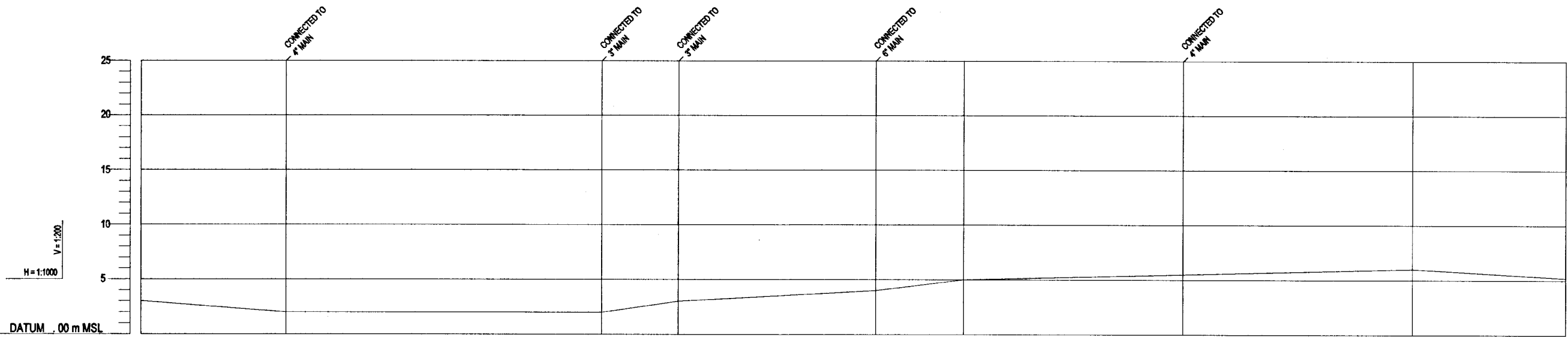


BLOEMENDHAL ROAD PLAN
SCALE - 1:1000

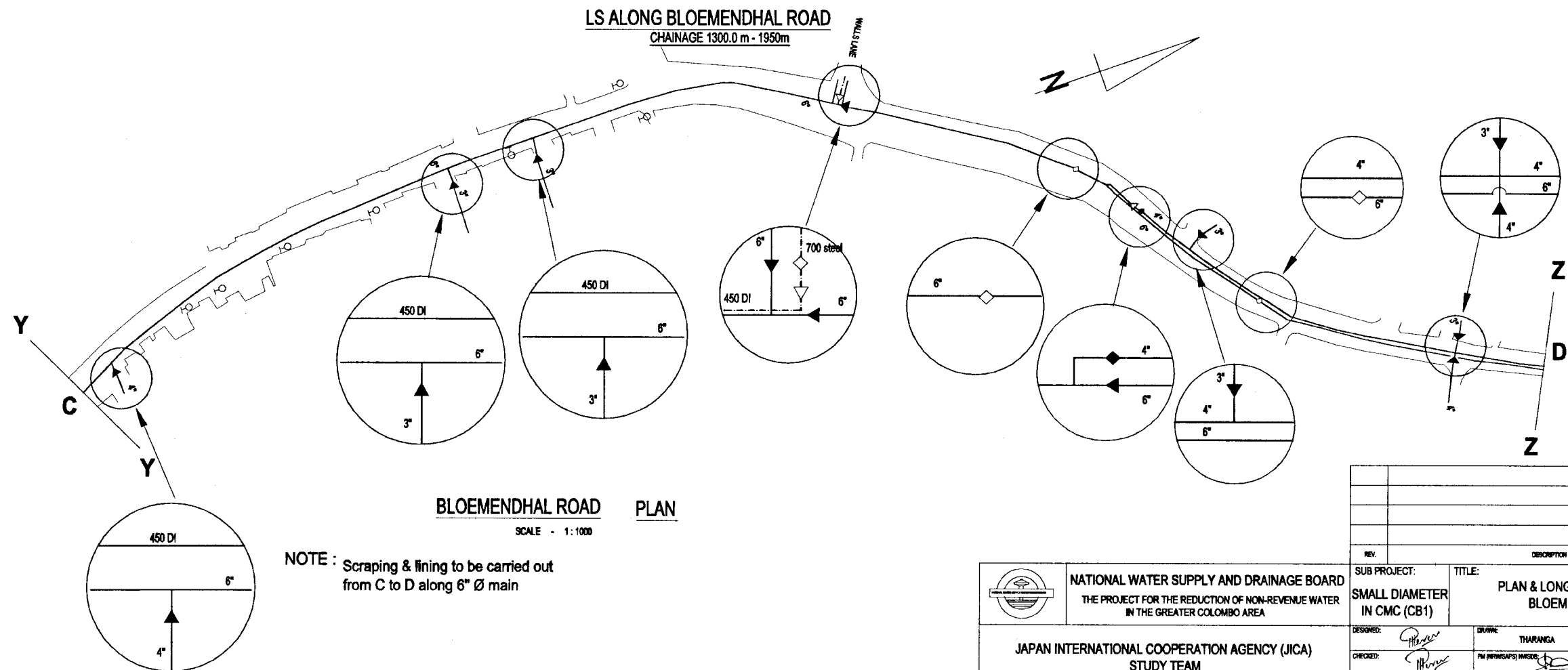
NOTE : SCRAPING & LINING FROM B TO C ON 6"Ø MAIN

DO NOT SCALE

 NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA		SUB PROJECT: SMALL DIAMETER IN CMC (CB1)		TITLE: PLAN & LONGITUDINAL SECTION BLOEMENDHAL ROAD	
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM NIHON SUDO CONSULTANTS CO. LTD., TOKYO, JAPAN		DESIGNED: <i>[Signature]</i> CHECKED: <i>[Signature]</i> DT. TEAM LEADER: <i>[Signature]</i> TEAM LEADER: <i>[Signature]</i>		DRAWN: THARANGA A.S.M (PIED) INVSOR: <i>[Signature]</i> D.G.M (PIED) INVSOR: <i>[Signature]</i>	
		DATE: JAN. 2001 CONTRACT No: NRW / CW Dwg. No: RS/DM/RH-04		SHEET 2 OF 4	



GROUND LEVEL (m)	3.00	2.00	2.00	3.00	4.00	5.00	6.00	5.18
INVERT LEVEL (m)	2.10	1.10	1.10	2.10	3.10	4.10	5.10	4.08
PIPE DETAILS	6" \rightarrow							
CHAINAGE (m)	1300.00	1380.00	1510.00	1565.00	1635.00	1675.00	1755.00	1880.00
HORIZONTAL ANGLE (°)								



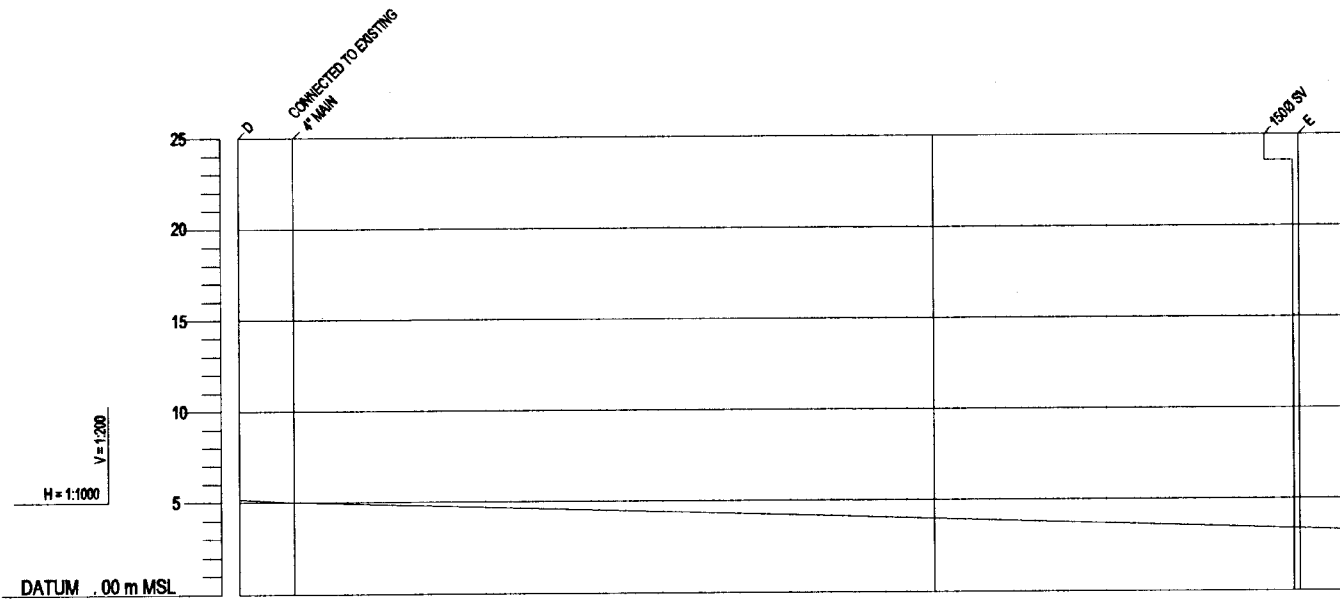
BLOEMENDHAL ROAD PLAN

SCALE - 1:1000

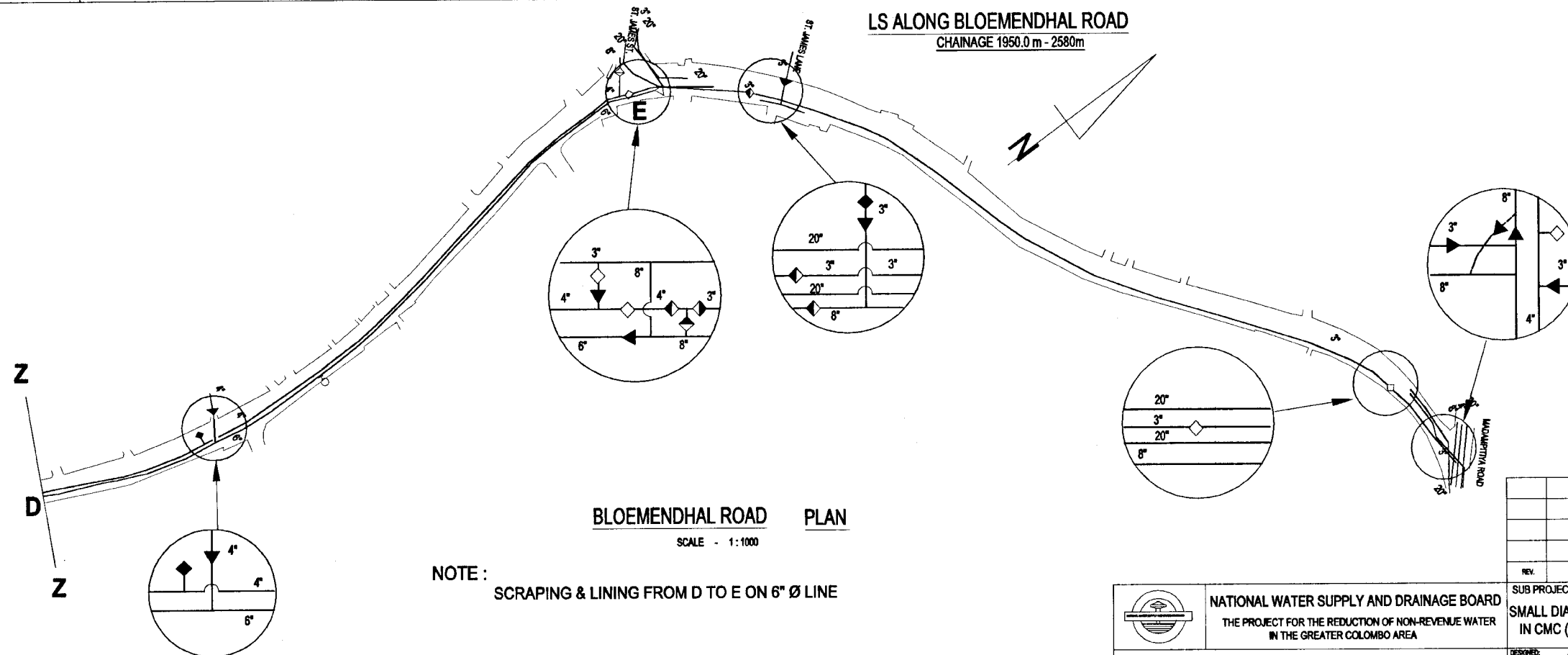
NOTE : Scraping & lining to be carried out from C to D along 6" \varnothing main

DO NOT SCALE

<p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p>	<p>SUB PROJECT: SMALL DIAMETER IN CMC (CB1)</p>	<p>TITLE: PLAN & LONGITUDINAL SECTION BLOEMENDHAL ROAD</p>
	<p>DESIGNED: [Signature]</p>	<p>DATE: JAN. 2001</p>
<p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM</p>	<p>CHECKED: [Signature]</p>	<p>CONTRACT No: NRW / CW</p>
<p>NIHON SURDO CONSULTANTS CO. LTD., TOKYO, JAPAN</p>	<p>BY TEAM LEADER: [Signature]</p>	<p>DRW. No: RS/DM/RH-05</p>



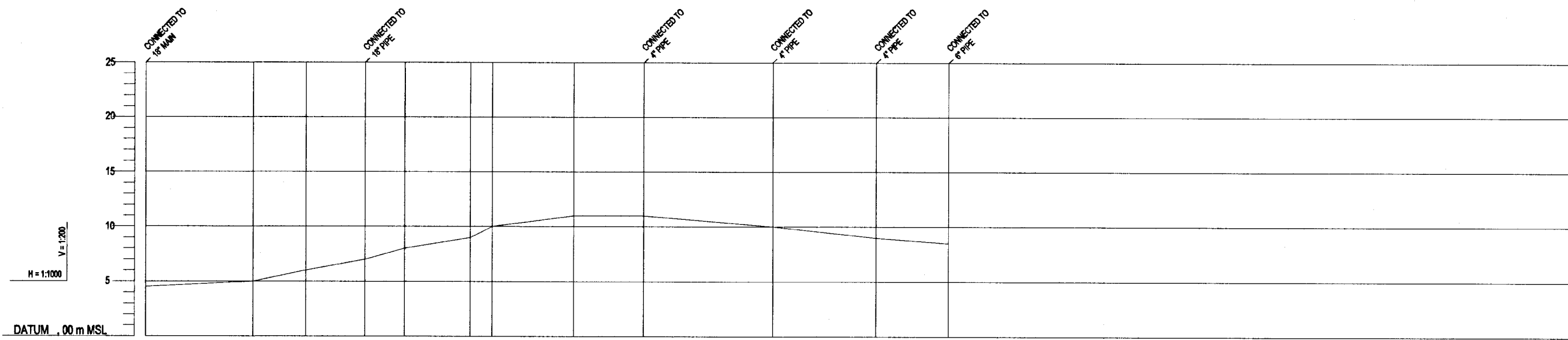
GROUND LEVEL (m)	5.18	5.00	4.00
INVERT LEVEL (m)	5.00		
PIPE DETAILS	6" Ø		
CHAINAGE (m)	1950.00	1965.00	2400.00
HORIZONTAL ANGLE (°)			



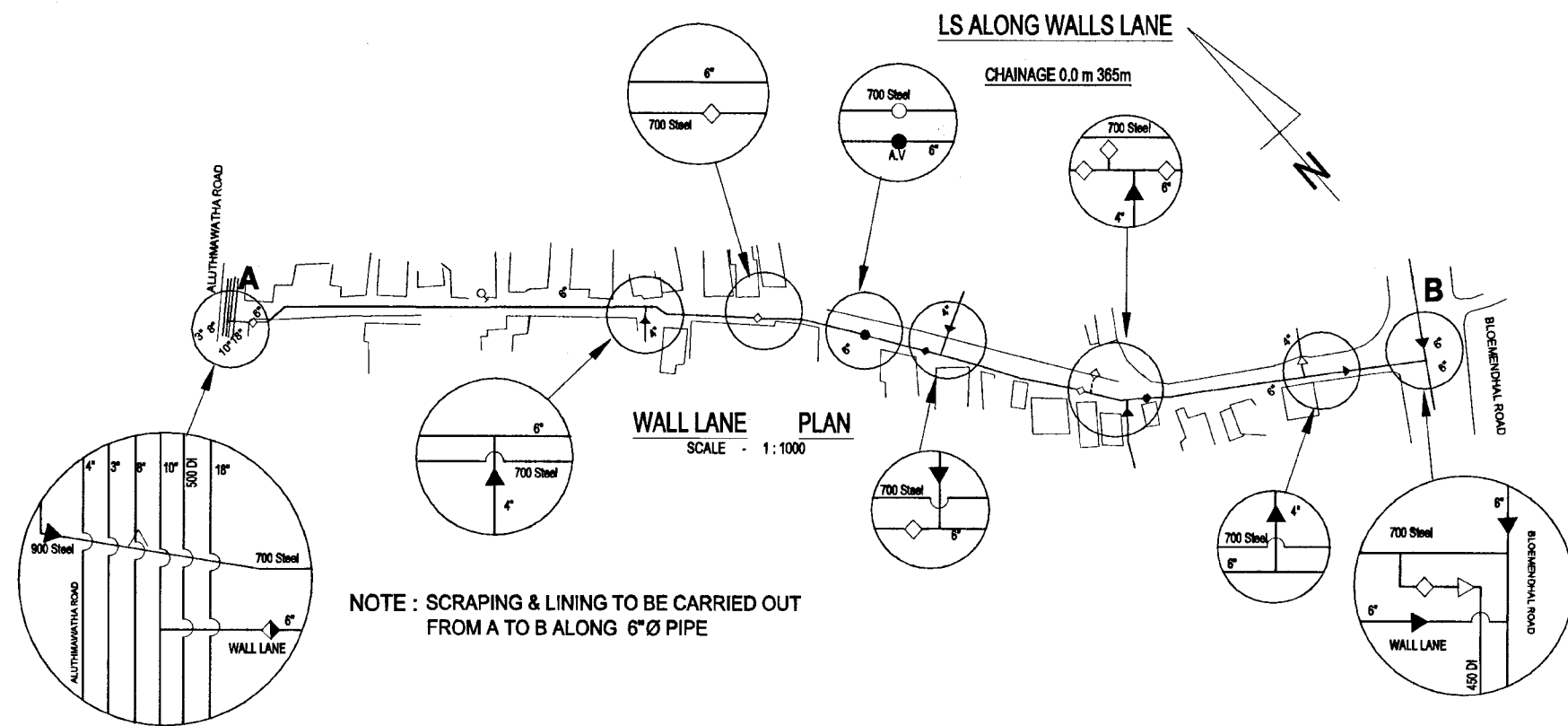
NOTE : SCRAPING & LINING FROM D TO E ON 6" Ø LINE

DO NOT SCALE

 NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA	SUB PROJECT: SMALL DIAMETER IN CMC (CB1)	TITLE: PLAN & LONGITUDINAL SECTION BLOEMENDHAL ROAD SHEET 4 OF 4	
	DESIGNED: [Signature]	DRAWN: THARANGA	DATE: JAN. 2001
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM NIKON SUJIDO CONSULTANTS CO. LTD., TOKYO, JAPAN	CHECKED: [Signature]	IN (NRWSAP) INCHARGE: [Signature]	CONTRACT NO: NRW / CW
	DR. TEAM LEADER: [Signature]	A.E.M (PMD) INCHARGE: R. D. A. J.	DRG. NO: RS/DM/RH-06
	TEAM LEADER: [Signature]	D.O.M (PMD) INCHARGE:	

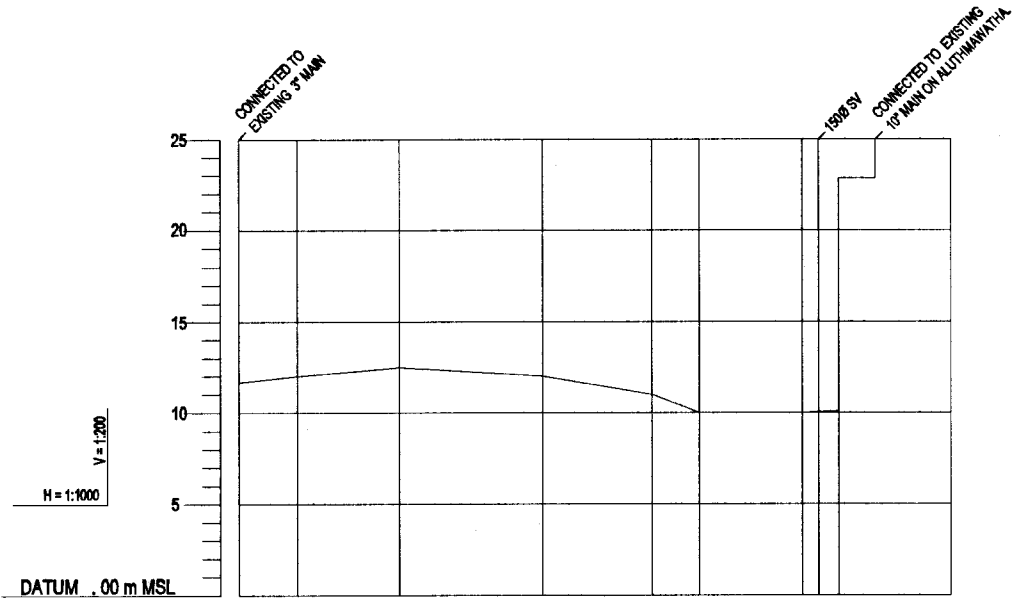


GROUND LEVEL (m)	4.50	5.00	6.00	7.00	8.00	9.00	10.00	11.00	11.00	10.00	9.00	8.50				
INVERT LEVEL (m)	3.00	4.10	5.10	6.10	7.10	8.10	9.10	10.10	10.10	9.10	8.10	7.80				
PIPE DETAILS	6" Ø															
CHAINAGE (m)	0.00	12.40	48.00	73.00	100.00	118.00	130.90	146.00	158.00	175.10	196.00	227.00	272.80	290.00	333.00	365.00
HORIZONTAL ANGLE (°)	6°					22.5°		11.25°					22.5°			



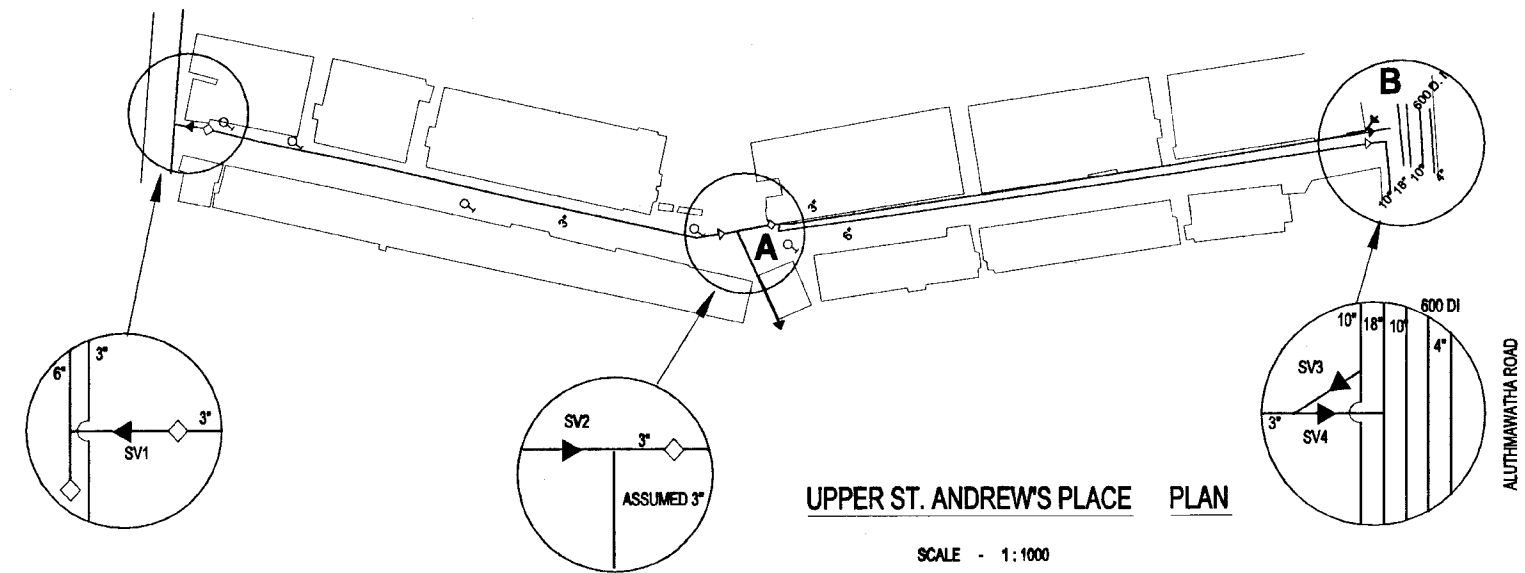
DO NOT SCALE	
REV.	DESCRIPTION

<p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p>	SUB PROJECT: SMALL DIAMETER IN CMC (CB1)		TITLE: PLAN & LONGITUDINAL SECTION WALLS LANE		
	DESIGNER:	DR/WRK:	THARANGA	DATE:	JAN. 2001
	CHECKED:	PH (NWS&D) M/S/DL:		CONTRACT No.:	NRW / CW
	DR. TEAM LEADER:	A.G.M (PHD) M/S/DL:	R.D.A.	DRG. No.:	RS/DM/RH-07
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM NIHON SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN		D.G.M (PHD) M/S/DL:			



GROUND LEVEL (m)	12.00	12.50	12.00	11.00	10.00	10.00	10.10
INVERT LEVEL (m)	10.94	11.44	10.94	9.94	8.94	8.94	8.04
PIPE DETAILS	← 6"Ø →						
CHAINAGE (m)	00.00	8.00	43.00	68.00	83.00	118.00	143.00
HORIZONTAL ANGLE (°)	← →						

LS ALONG UPPER ST. ANDREW'S PLACE
CHAINAGE 0.0 m 350 m

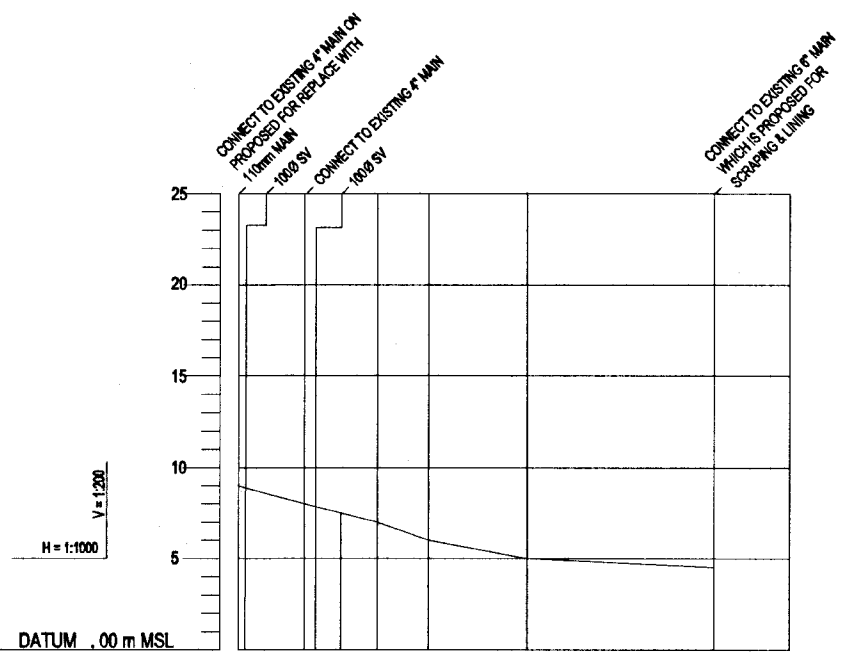


UPPER ST. ANDREW'S PLACE PLAN
SCALE - 1:1000

NOTE :
SCRAPING & LINING FROM A TO B ALONG 6"Ø MAIN.

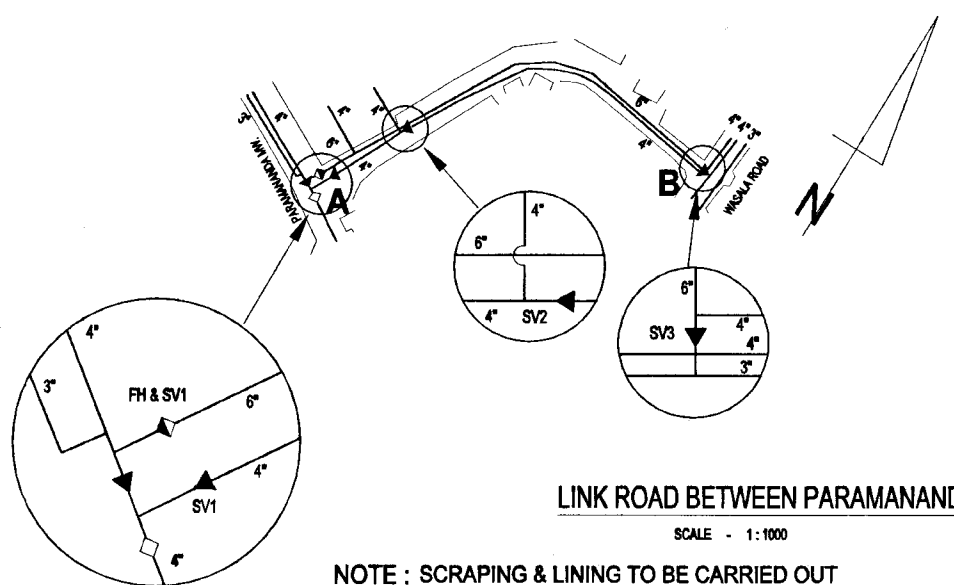
REV.		DESCRIPTION

<p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p> <p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM</p> <p>MIHON SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN</p>	<p>SUB PROJECT: SMALL DIAMETER IN CMC (CB1)</p> <p>TITLE: PLAN & LONGITUDINAL SECTION UPPER ST. ANDREW'S PLACE</p>	<p>DATE: JAN. 2001</p> <p>CONTRACT No: NRW / CW</p> <p>DRG. No: RS/DM/RH-08</p>	
	<p>DESIGNED: <i>[Signature]</i></p> <p>CHECKED: <i>[Signature]</i></p> <p>DRY. TEAM LEADER: <i>[Signature]</i></p> <p>TEAM LEADER: <i>[Signature]</i></p>	<p>DRAWN: THARANGA</p> <p>PM (NWS&D) INCHARGE: <i>[Signature]</i></p> <p>A.S.M (PM) INCHARGE: R. D. H. <i>[Signature]</i></p> <p>D.G.M (PM) INCHARGE: <i>[Signature]</i></p>	
	<p>DO NOT SCALE</p>		



GROUND LEVEL (m)	9.00	8.00	7.00	6.00	5.00	4.50
INVERT LEVEL (m)	7.99	6.99	5.99	4.99	3.99	3.49
PIPE DETAILS	60					
CHAINAGE (m)	20.00	18.00	20.00	38.00	52.00	65.00
HORIZONTAL ANGLE (°)			22.5	22.5	22.5	

LS ALONG LINK ROAD BETWEEN PARAMANANDA MW. & WASALA ROAD
CHAINAGE 0.0 m - 130m

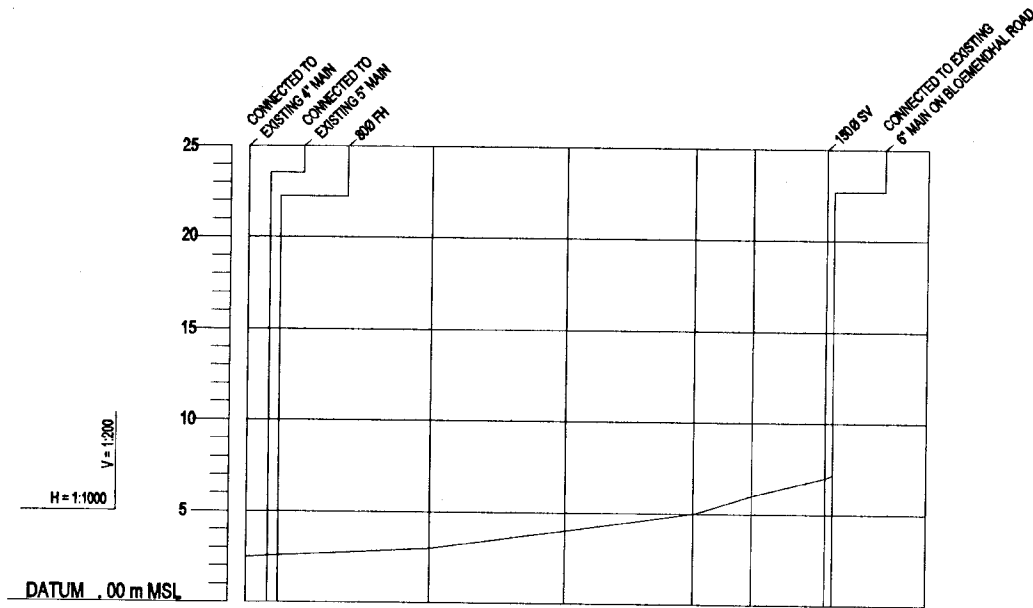


LINK ROAD BETWEEN PARAMANANDA MW & WASALA RD. PLAN

NOTE : SCRAPING & LINING TO BE CARRIED OUT FROM A TO B ALONG 6" Ø PIPE

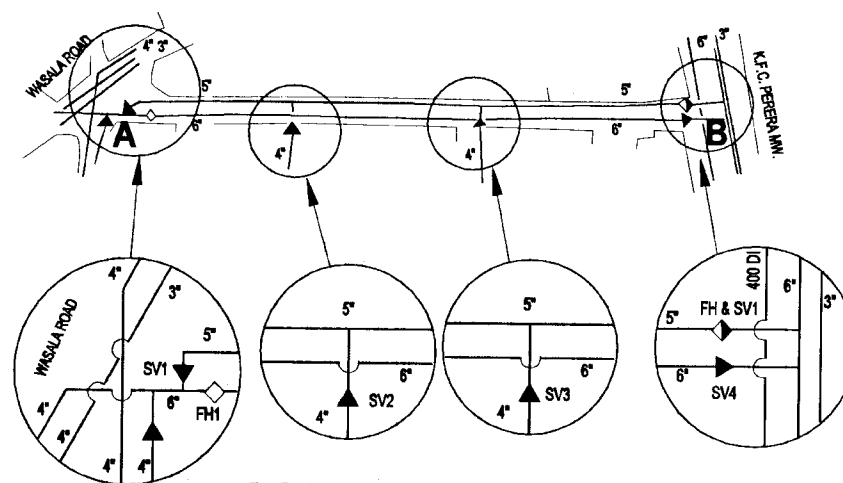
DO NOT SCALE	
REV	DESCRIPTION

<p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p>	<p>SUB PROJECT: SMALL DIAMETER IN CMC (CB1)</p>	<p>TITLE: PLAN & LONGITUDINAL SECTION LINK ROAD BETWEEN PARAMANADA & WASALA ROAD</p>
	<p>DESIGNED: [Signature]</p> <p>CHECKED: [Signature]</p> <p>DR. TEAM LEADER: [Signature]</p> <p>TEAM LEADER: [Signature]</p>	<p>DATE: JAN. 2001</p> <p>CONTRACT No: NRW / CW</p> <p>DRG. No: RS/DM/RH-09</p>



GROUND LEVEL (m)	2.50	3.00	4.00	5.00	6.00	7.00	7.18
INVERT LEVEL (m)	1.60	2.10	3.10	4.10	5.10	6.10	8.28
PIPE DETAILS	6"Ø						
CHAINAGE (m)	0.00	50.00	87.00	122.00	138.00	158.00	160.00
HORIZONTAL ANGLE (°)							

LS ALONG BLOEMENDHAL LANE
CHAINAGE 0.0 m - 160m




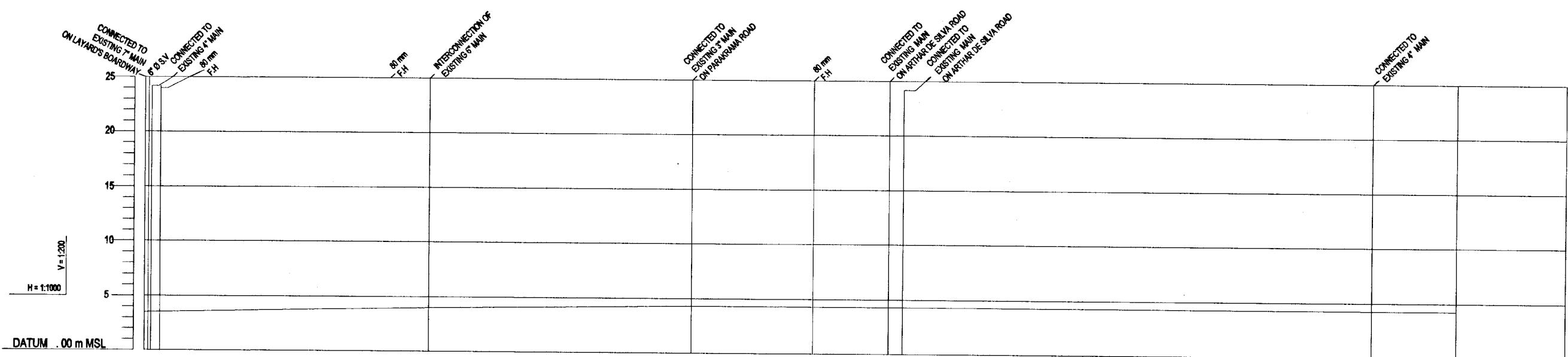
BLOEMENDHAL LANE PLAN

SCALE - 1:1000

NOTE : SCRAPING & LINING FROM A TO B ALONG 6"Ø MAIN

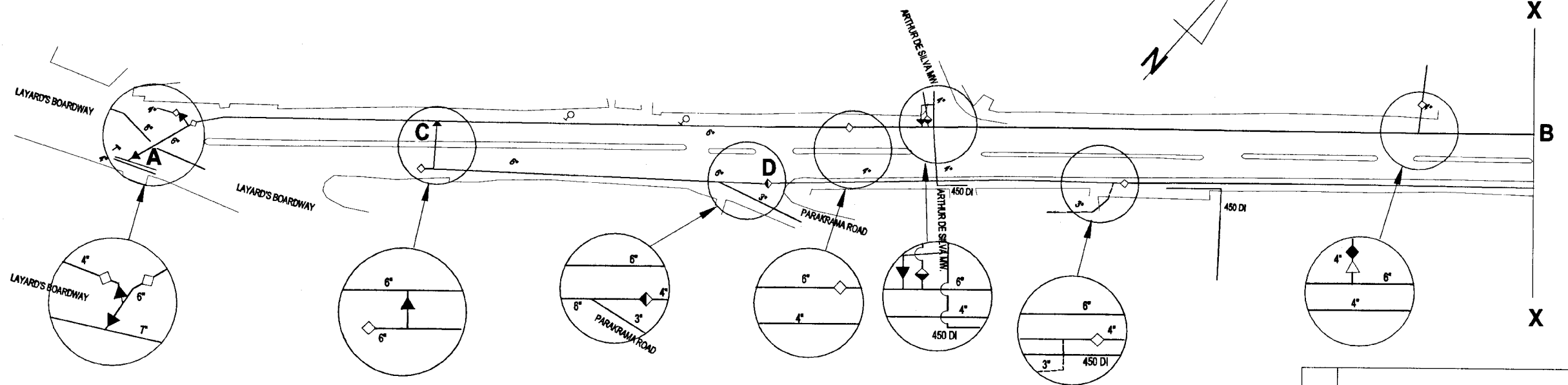
DO NOT SCALE

 <p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p>	<p>SUB PROJECT: SMALL DIAMETER IN CMC (CB1)</p>	<p>TITLE: PLAN & LONGITUDINAL SECTION BLOEMENDHAL LANE</p>
	<p>DESIGNED: [Signature]</p>	<p>DRAWN: THARANGA</p>
<p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM</p>	<p>CHECKED: [Signature]</p>	<p>CONTRACT No: NRW / CW</p>
<p>NIHON SUDO CONSULTANTS CO. LTD., TOKYO, JAPAN</p>	<p>BY TEAM LEADER: [Signature]</p>	<p>DWG. No: RS/DM/RH-10</p>
	<p>TEAM LEADER: [Signature]</p>	



GROUND LEVEL (m)	3.50	4.00	4.30	4.26
INVERT LEVEL (m)				
PIPE DETAILS	6" Ø			
CHAINAGE (m)	0.00	130.00 135.00	250.00 285.00	600.00
HORIZONTAL ANGLE (°)				

LS ALONG PRINCE OF WALES AVENUE
CHAINAGE 0.0 m - 600m

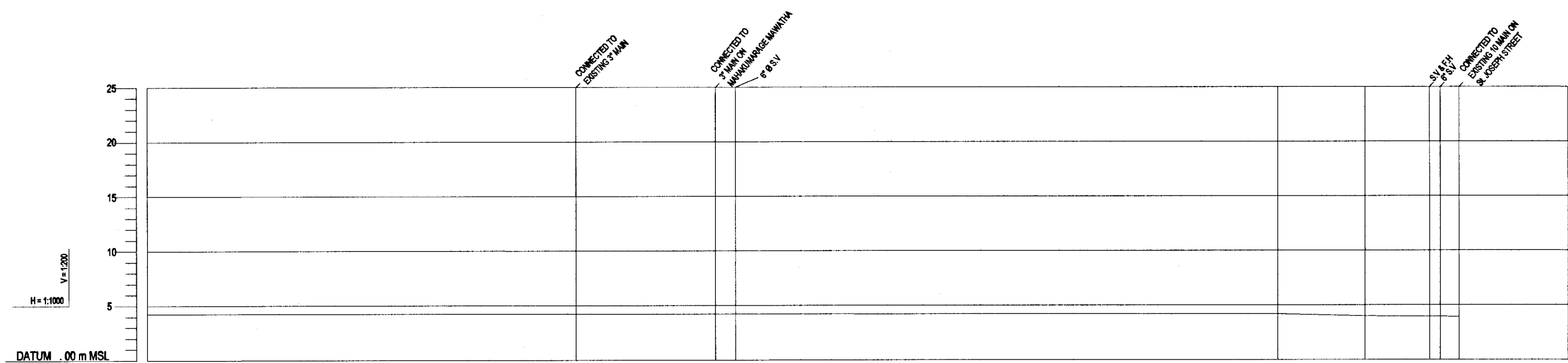


PRINCE OF WALES AVENUE PLAN
SCALE - 1:2000

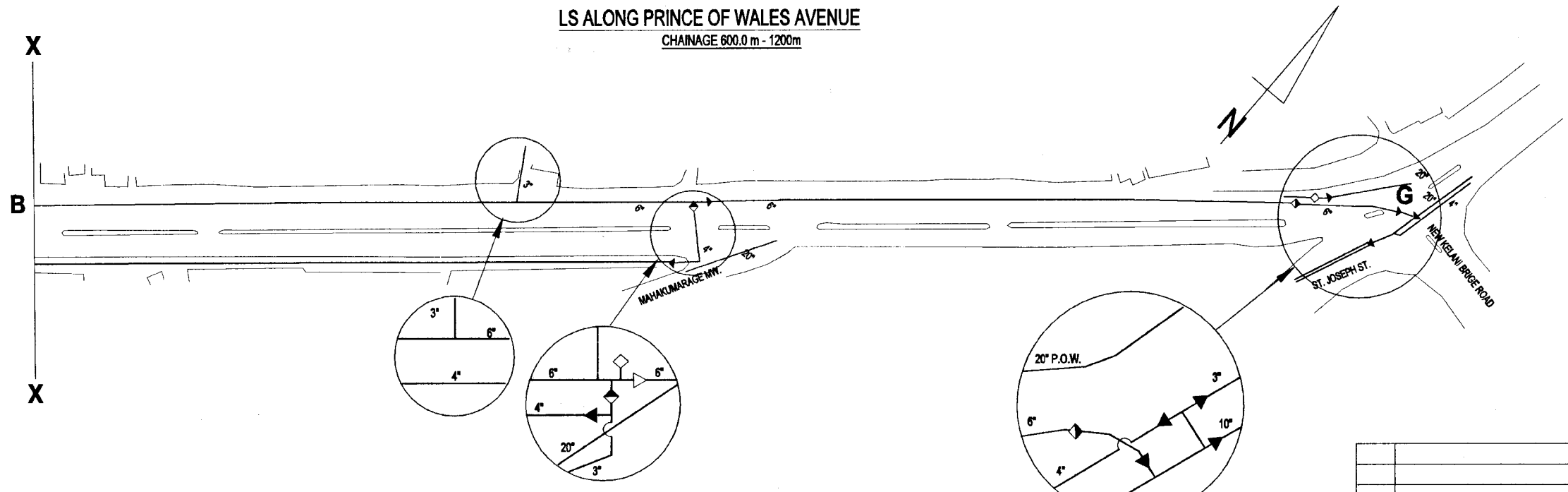
NOTE : SCRAPING & LINING TO BE CARRIED OUT FROM A TO B & C TO D ALONG 6" Ø PIPE

DO NOT SCALE

<p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p>	<p>SUB PROJECT: SMALL DIAMETER IN CMC (CB1)</p>	<p>TITLE: PLAN & LONGITUDINAL SECTION PRINCE OF WALES AVENUE</p>
	<p>DESIGNED: [Signature]</p> <p>CHECKED: [Signature]</p> <p>DR. TEAM LEADER: [Signature]</p> <p>TEAM LEADER: [Signature]</p>	<p>DRAWN: THARANGA</p> <p>IN CHARGE: [Signature]</p> <p>A.S.M (P&D) INCH: [Signature]</p> <p>D.G.M (P&D) INCH: [Signature]</p>



GROUND LEVEL (m)	4.26			4.20	4.00	3.95
INVERT LEVEL (m)						
PIPE DETAILS	6" Ø					
CHAINAGE (m)	600.00		876.00	1117.00	1135.00	1157.00
HORIZONTAL ANGLE (°)						



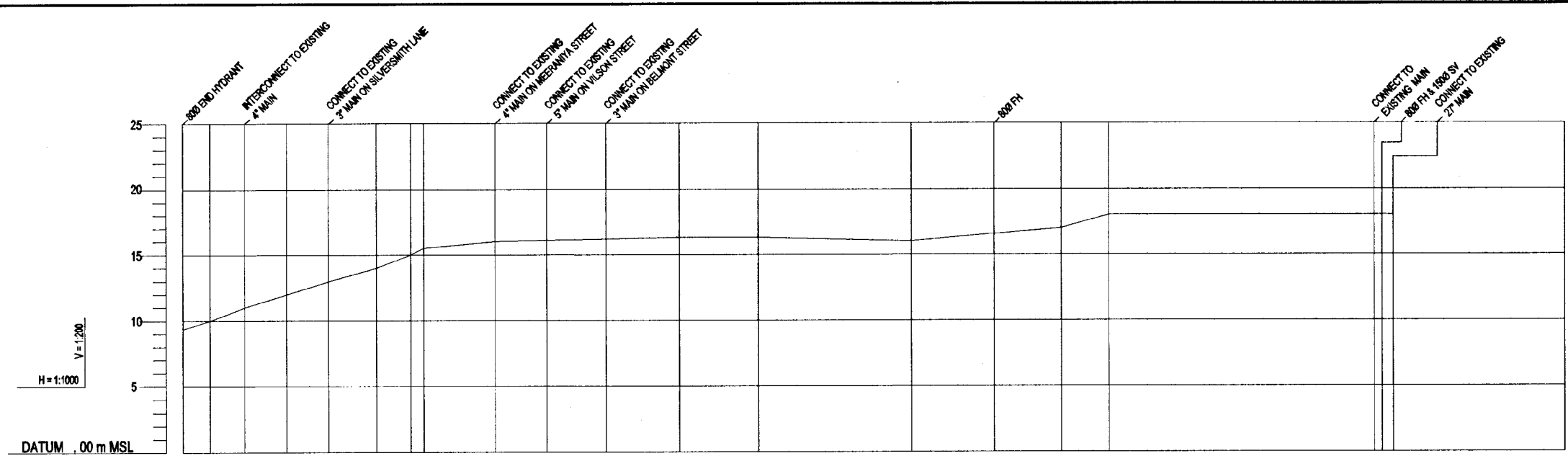
PRINCE OF WALES AVENUE PLAN

SCALE - 1:2000

NOTE : SCRAPING & LINING TO BE CARRIED OUT FROM B TO G ALONG 6" Ø PIPE

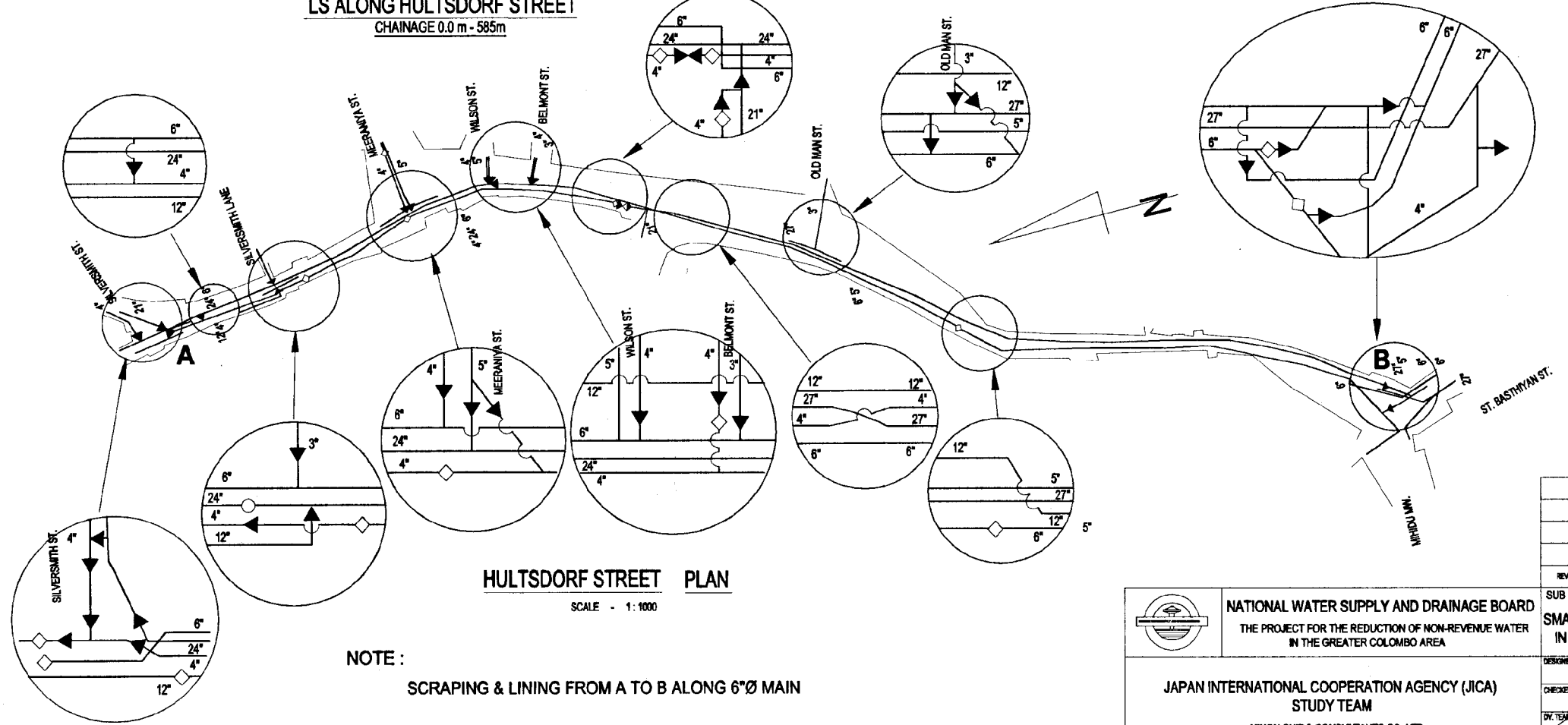
DO NOT SCALE

<p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p> <p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM</p> <p>NIHON SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN</p>	SUB PROJECT: SMALL DIAMETER IN CMC (CB1)		TITLE: PLAN & LONGITUDINAL SECTION PRINCE OF WALES AVENUE		
	DESIGNED: <i>[Signature]</i>		DRAWN: THARANCA	DATE: JAN. 2001	
	CHECKED: <i>[Signature]</i>		PA (NRWSAPS) INCHD: <i>[Signature]</i>	CONTRACT NO: NRW / CW	
	DV. TEAM LEADER: <i>[Signature]</i>		A.S.M (PMD) INCHD: R. S. A. <i>[Signature]</i>	DRG. No: RS/DM/RH-12	
TEAM LEADER: <i>[Signature]</i>		D.G.M (PMD) INCHD:	SHEET 2 OF 2		



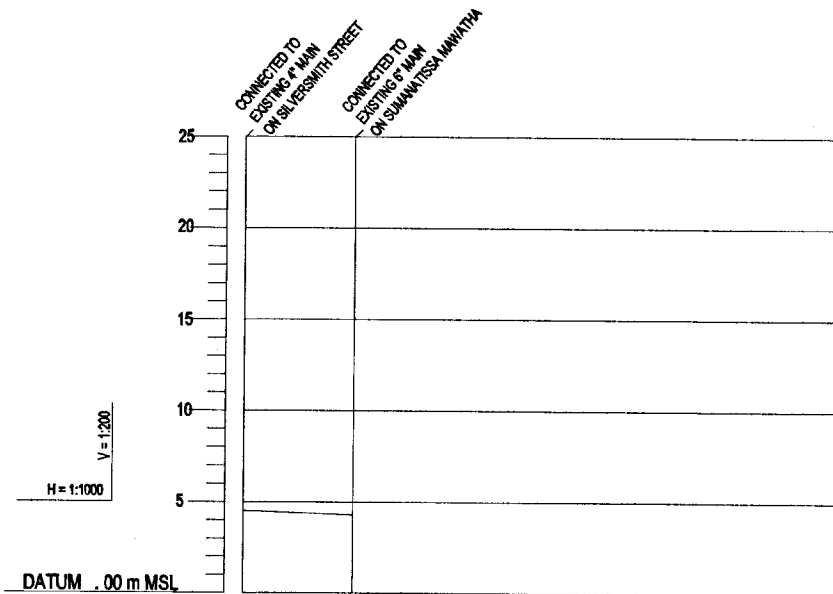
GROUND LEVEL (m)	10.00	11.00	12.00	13.00	14.00	15.00	15.50	16.00	16.30	16.30	18.00	17.00	18.00	18.00			
INVERT LEVEL (m)	9.10	10.10	11.10	12.10	13.10	14.10	14.00	15.10	15.40	15.40	15.10	16.10	17.10	17.10			
PIPE DETAILS	6"Ø																
CHAINAGE (m)	00.00	11.00	24.00	40.00	56.00	74.00	87.00	92.00	119.00	175.00	180.00	218.00	277.00	280.00	334.00	352.00	480.00
HORIZONTAL ANGLE (°)	11.25° 11.25° 11.25° 11.25° 45° 45°																

LS ALONG HULTSDORF STREET
CHAINAGE 0.0 m - 585m



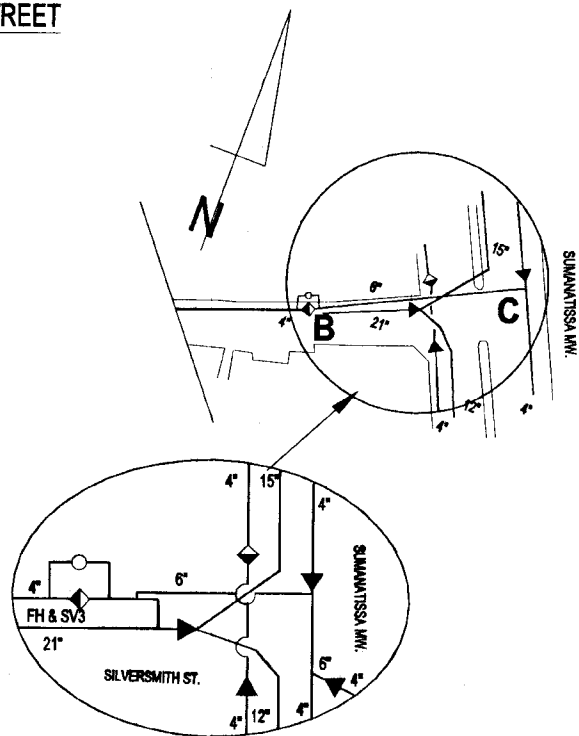
DO NOT SCALE

<p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p>	<p>SUB PROJECT: SMALL DIAMETER IN CMC (CB1)</p>	<p>TITLE: PLAN & LONGITUDINAL SECTION HULTSDORF STREET</p>
	<p>DESIGNED: [Signature]</p> <p>CHECKED: [Signature]</p> <p>DR. TEAM LEADER: [Signature]</p> <p>TEAM LEADER: [Signature]</p>	<p>DRAWN: THARANGA</p> <p>PI (NWS&D) INSSD: [Signature]</p> <p>A.O.M (P&E) INSSD: R. D. A. [Signature]</p> <p>C.O.M (P&E) INSSD: [Signature]</p>



GROUND LEVEL (m)		4.30
INVERT LEVEL (m)		3.40
PIPE DETAILS	$\overleftrightarrow{6" \varnothing}$	
CHAINAGE (m)	0.00	30.00
HORIZONTAL ANGLE (°)		

LS ALONG SILVERSMITH STREET
CHAINAGE 0.0 m - 30.0m



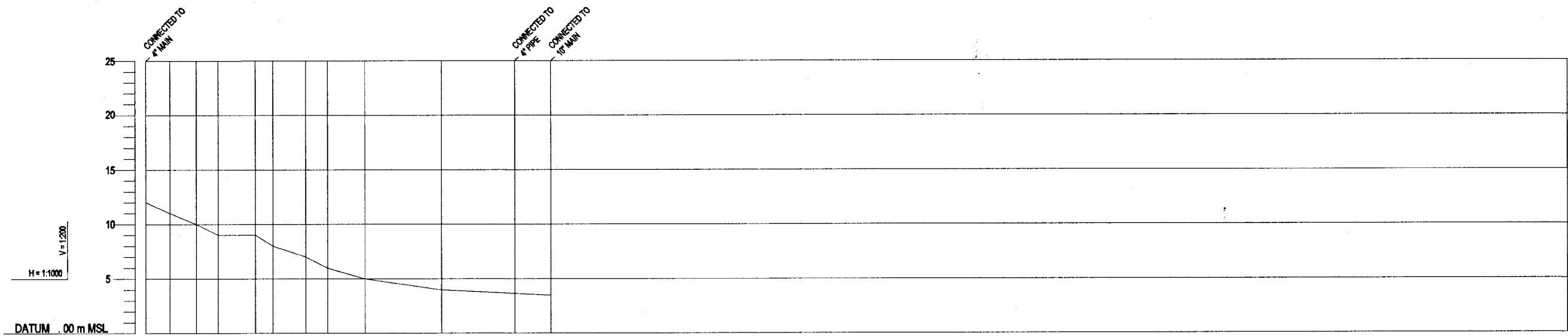
SILVERSMITH STREET PLAN
SCALE - 1:1000

NOTE :
SCRAPING & LINING TO BE CARRIED OUT
FROM B TO C ALONG 6" Ø PIPE

DO NOT SCALE

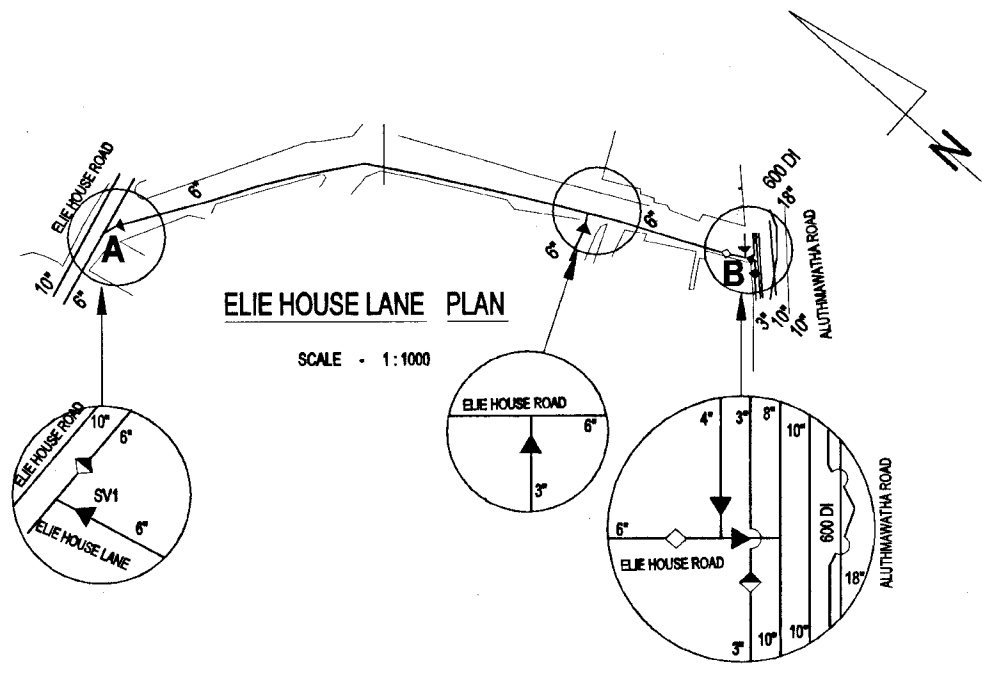
	NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA		SUB PROJECT: SMALL DIAMETER IN CMC (CB1)	TITLE: PLAN & LONGITUDINAL SECTION SILVERSMITH STREET
	DESIGNED:	THARANGA	DATE:	JAN. 2001
	CHECKED:	PH (NRWA'S) INCHOR:	CONTRACT NO:	NRW / CW
	DY. TEAM LEADER:	A.S.M. PRED. NUMBER:	DRG. NO.:	RS/DMRH-14
TEAM LEADER:	D.G.M. PRED. NUMBER:			

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
STUDY TEAM
NIHON SUIDO CONSULTANTS CO. LTD.,
TOKYO, JAPAN



GROUND LEVEL (m)	12.00	11.00	10.00	9.00	8.00	7.00	6.00	5.00	4.00	3.50		
INVERT LEVEL (m)	11.10	10.10	9.10	8.10	7.10	6.10	5.10	4.10	3.10	2.60		
PIPE DETAILS	6"											
CHAINAGE (m)	0.00	7.00	11.00	23.00	33.00	50.00	58.00	73.00	83.00	100.00	135.00	185.00
HORIZONTAL ANGLE (°)	11.25					45						

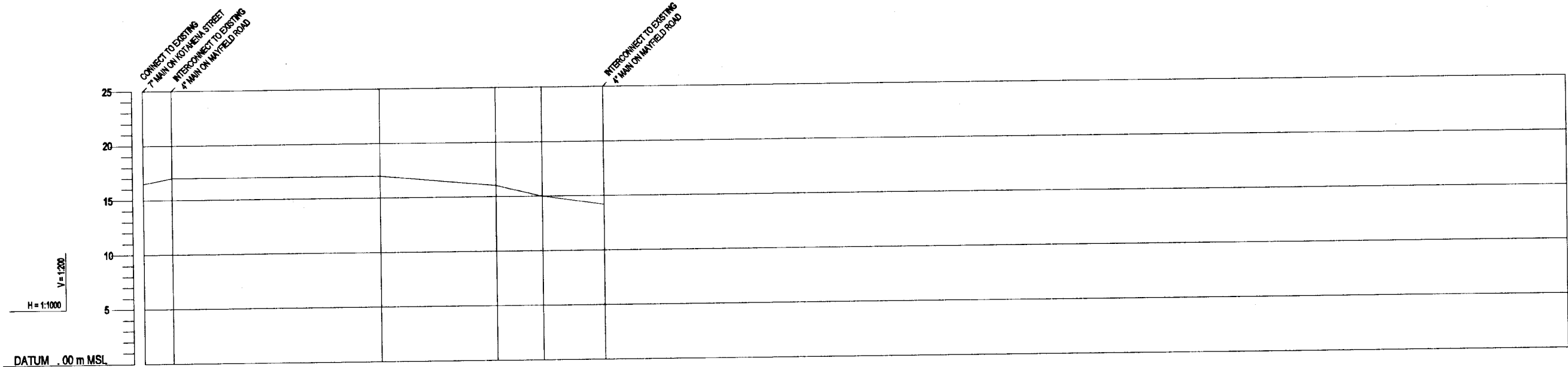
LS ALONG ELIE HOUSE LANE
CHAINAGE 0.0 m 185m



NOTE : SCRAPING & LINING TO BE CARRIED OUT FROM A TO B ALONG 6" Ø PIPE

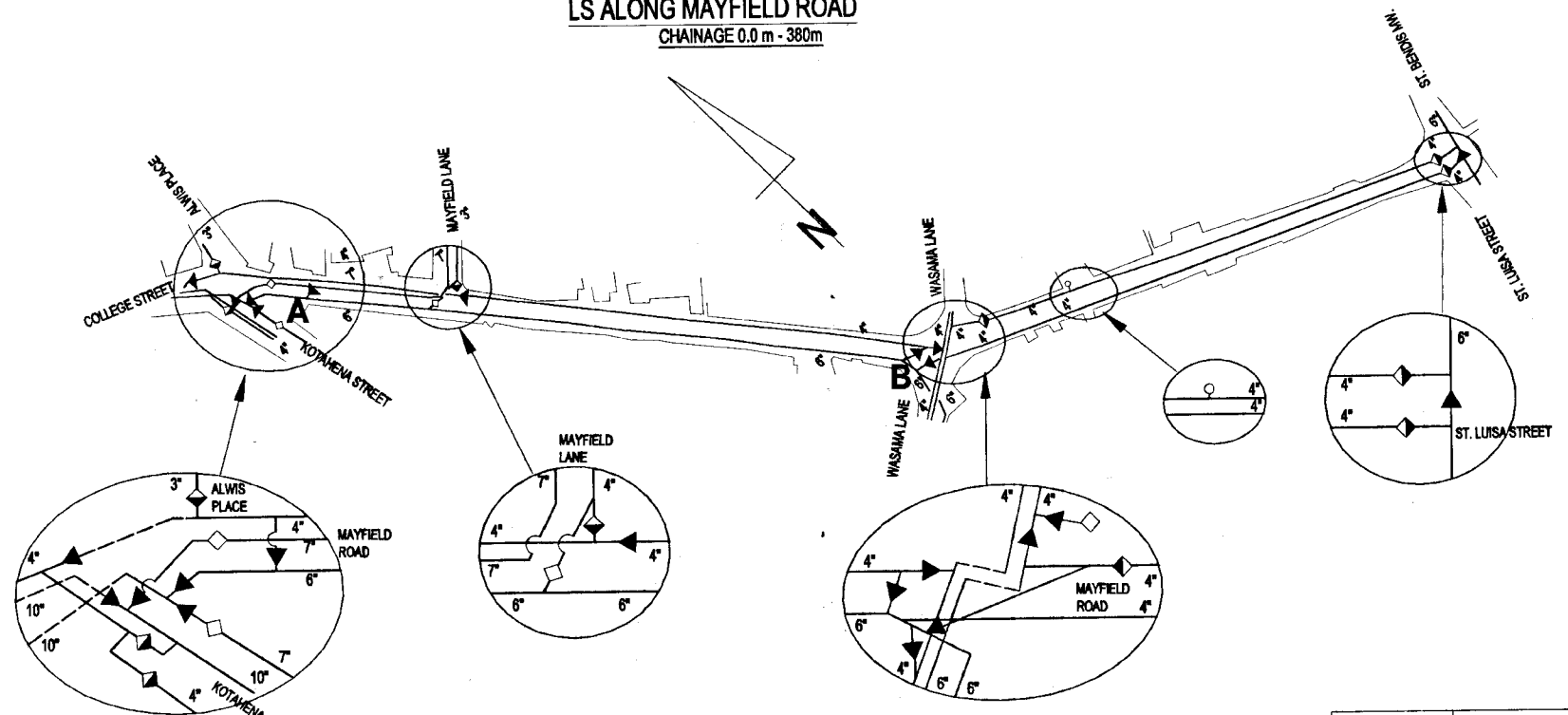
DO NOT SCALE

		SUB PROJECT: SMALL DIAMETER IN CMC (CB1)		TITLE: PLAN & LONGITUDINAL SECTION ELIE HOUSE LANE	
NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA		DESIGNED: <i>[Signature]</i>	DRAWN: THARUNGA	DATE: JAN. 2001	
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM		CHECKED: <i>[Signature]</i>	FM (NRWSAPS) INVOICE: <i>[Signature]</i>	CONTRACT NO: NRW / CW	
NIHON SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN		DR. TEAM LEADER: <i>[Signature]</i>	A.G.M (P&E) INVOICE: <i>[Signature]</i>	DRG. NO: RS/DM/RH-15	
		TEAM LEADER: <i>[Signature]</i>	C.G.M (P&E) INVOICE:		



GROUND LEVEL (m)	16.50	17.00	17.00	16.00	15.00
INVERT LEVEL (m)					
PIPE DETAILS	←----- 3" -----→				
CHAINAGE (m)	0.00	11.00	13.00	108.00	161.00
HORIZONTAL ANGLE (°)	45°				

LS ALONG MAYFIELD ROAD
CHAINAGE 0.0 m - 380m

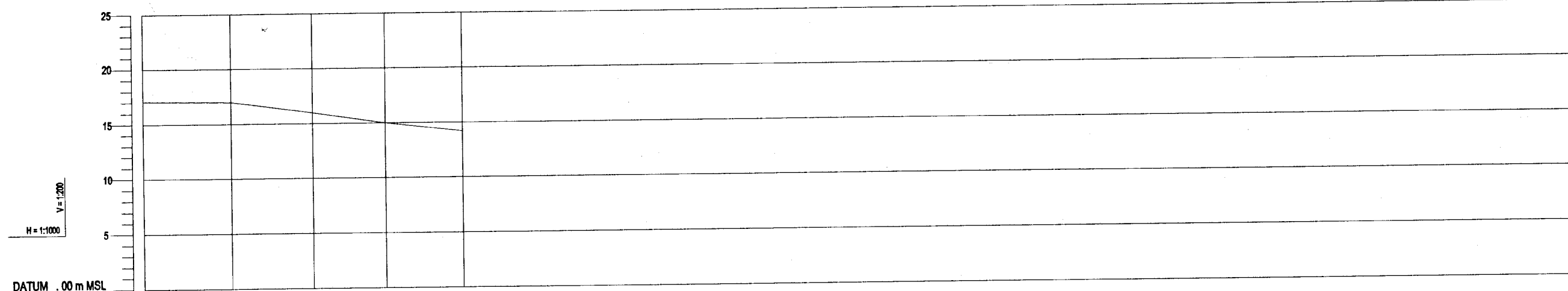


MAYFIELD ROAD PLAN
SCALE - 1:1000

NOTE:
SCRAPING & LINING FROM A TO B ON 6"Ø LINE

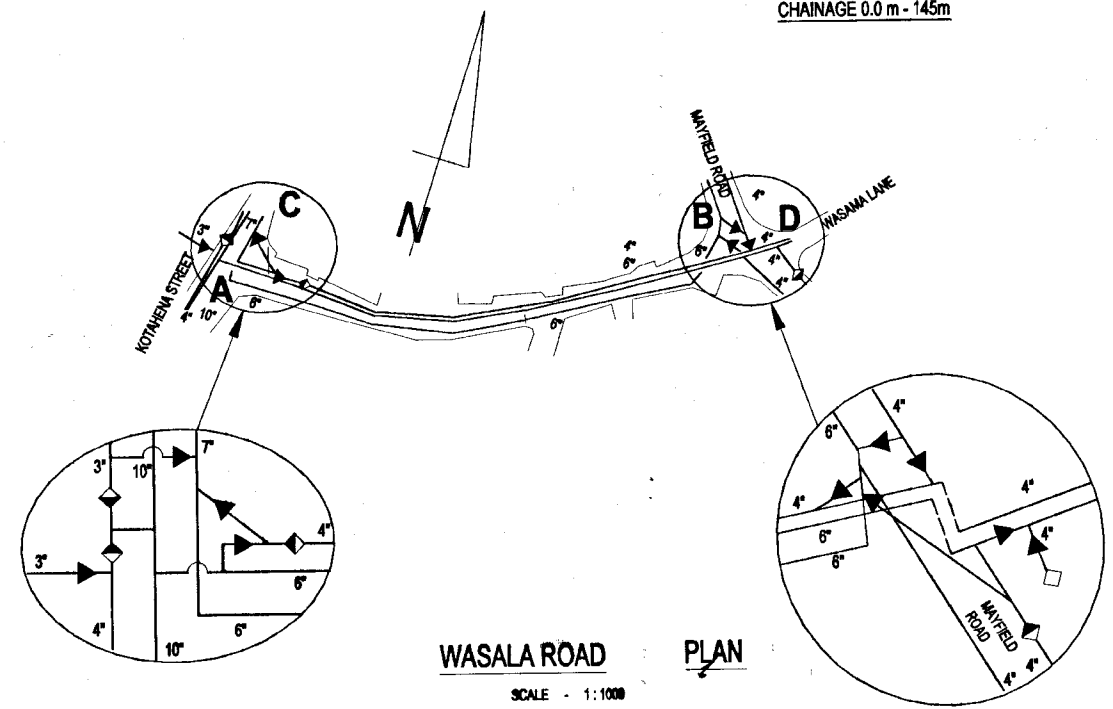
DO NOT SCALE

<p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p>	SUB PROJECT: SMALL DIAMETER IN CMC (CB1)		TITLE: PLAN & LONGITUDINAL SECTION MAYFIELD ROAD	
	DESIGNED: [Signature] CHECKED: [Signature] DR. TEAM LEADER: [Signature] TEAM LEADER: [Signature]	DRAWN: THARANGA PA (M/MS/SP) NUMBER: [Signature] A.E.M (P/ED) NUMBER: P. D. A. [Signature] D.D.M (P/ED) NUMBER:	DATE: JAN. 2001 CONTRACT No: NRW / CW DRG. No: RS/DM/RH-16	



GROUND LEVEL (m)	17.10	17.00	16.00	15.00	14.20
INVERT LEVEL (m)	16.20	16.10	15.10	14.10	13.30
PIPE DETAILS					
CHAINAGE (m)	0.00	40.00	77.00	110.00	145.00
HORIZONTAL ANGLE (°)					

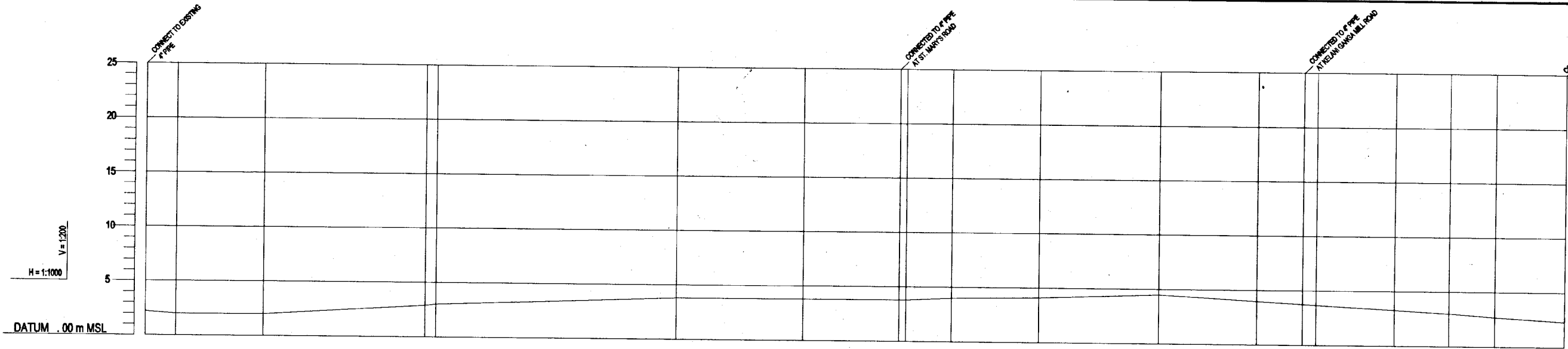
LS ALONG WASALA ROAD
CHAINAGE 0.0 m - 145m



NOTE : Scraping & lining to be carried out from AB + CD along 6" C1 pipes

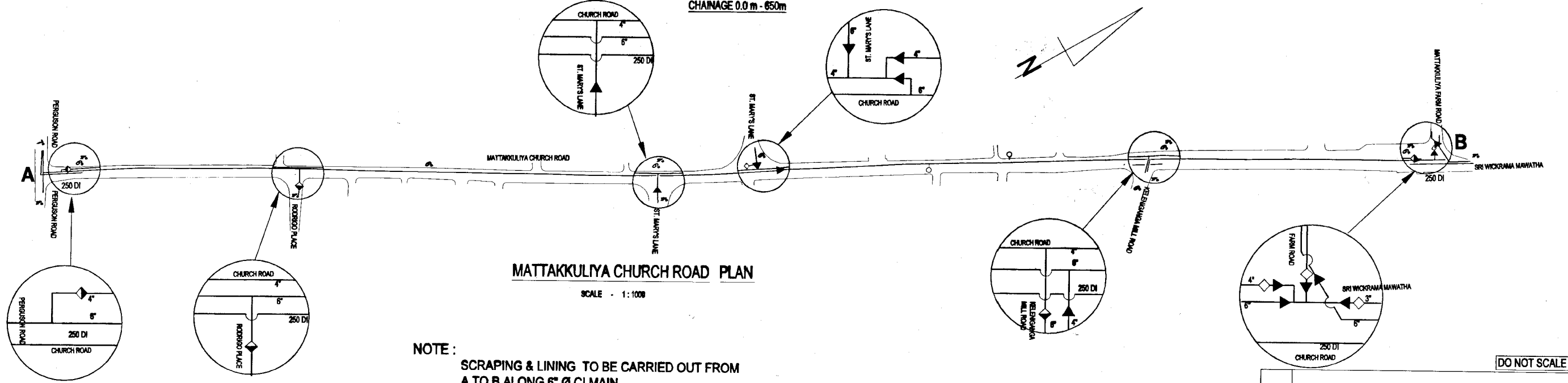
DO NOT SCALE

<p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p>	<p>SUB PROJECT: SMALL DIAMETER IN CMC (CB1)</p>	<p>TITLE: PLAN & LONGITUDINAL SECTION WASALA ROAD</p>	
	<p>DESIGNED: <i>[Signature]</i></p>	<p>DRAWN: THARANGA</p>	<p>DATE: JAN 2001</p>
<p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM</p> <p>NIHON SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN</p>	<p>CHECKED: <i>[Signature]</i></p>	<p>CONTRACT NO: NRW / CW</p>	
	<p>DR. TEAM LEADER: <i>[Signature]</i></p>	<p>A.S.M (PMD) NUMBER: R-D N 3</p>	<p>DRG No: RS/DM/RH-17</p>
	<p>TEAM LEADER: <i>[Signature]</i></p>	<p>D.G.M (PMD) NUMBER:</p>	



HYDRAULIC GRID LEVEL (m)																					
GROUND LEVEL (m)	2.20	2.10	2.10				2.80	3.00		3.80	3.80	4.00	4.10	4.50	4.80	3.70	3.30	3.00	2.70	2.30	
INVERT LEVEL (m)																					
PIPE DETAILS	6"																				
CHAINAGE (m)	0.00	14.00	54.00				128.00	133.00		243.00	301.00	346.00	386.00	408.00	464.00	508.00	536.00	572.00	597.00	618.00	650.00
HORIZONTAL ANGLE (°)																					

LS ALONG MATTAKKULIYA CHURCH ROAD
CHAINAGE 0.0 m - 650m



NOTE:
SCRAPING & LINING TO BE CARRIED OUT FROM A TO B ALONG 6" Ø CI MAIN

DO NOT SCALE

<p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p> <p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM</p> <p>NIHON SUDO CONSULTANTS CO. LTD., TOKYO, JAPAN</p>	SUB PROJECT: SMALL DIAMETER IN CMC (CB1)		TITLE: PLAN & LONGITUDINAL SECTION MATTAKKULIYA CHURCH ROAD	
	REVISIONS:		DATE: JAN. 2001	SHEET 2 OF 2
	CHECKED: [Signature]	DATE: THIRUPANGA	CONTRACT NO: NRW / CW	
	DR. TEAM LEADER: [Signature]	A.E.M (P) NO: R.D.A.	DRG. NO: RS/DM/RH-18	