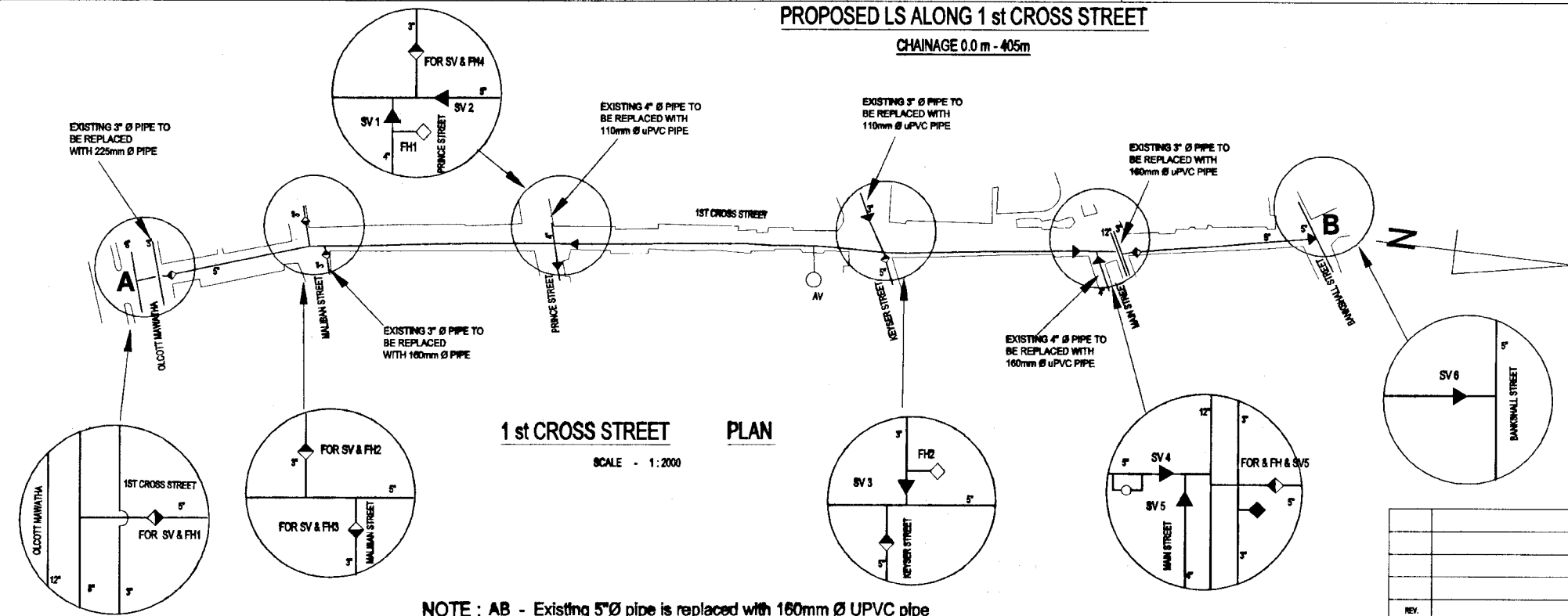


GROUND LEVEL (m)	4.00	5.00	5.10	5.50	6.00	7.00	8.00	5.00	5.00						
INVERT LEVEL (m)	2.94	3.94	4.04	4.44	4.94	5.94	6.94	4.94	4.94						
PIPE DETAILS	160mm Ø PVC														
CHAINAGE (m)	0.00	11.00	55.00	62.00	145.00	148.00	155.00	218.00	255.00	265.00	331.00	345.00	355.00	400.00	415.00
HORIZONTAL ANGLE (°)			11.25												

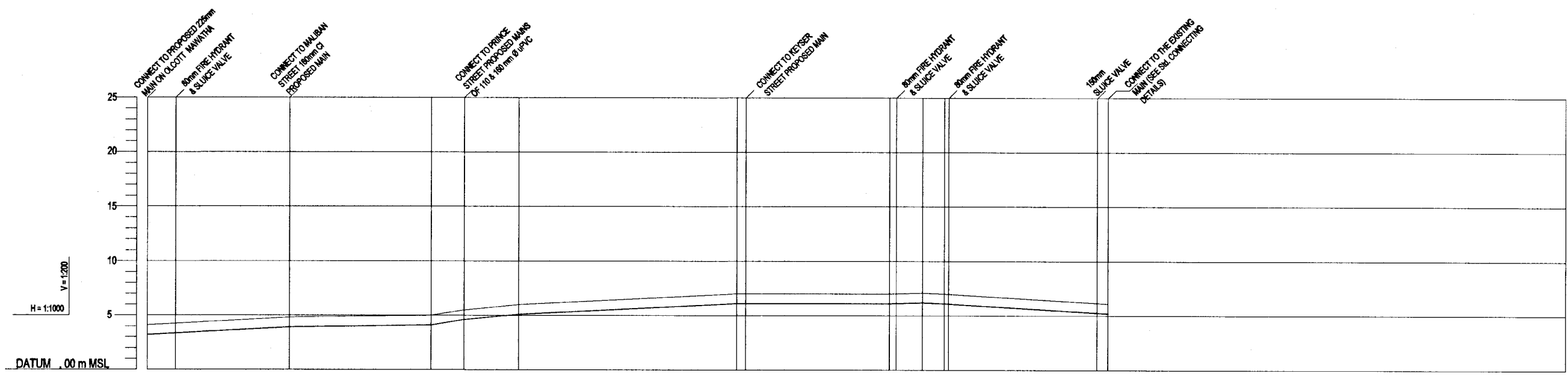
PROPOSED LS ALONG 1st CROSS STREET
CHAINAGE 0.0 m - 405m



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

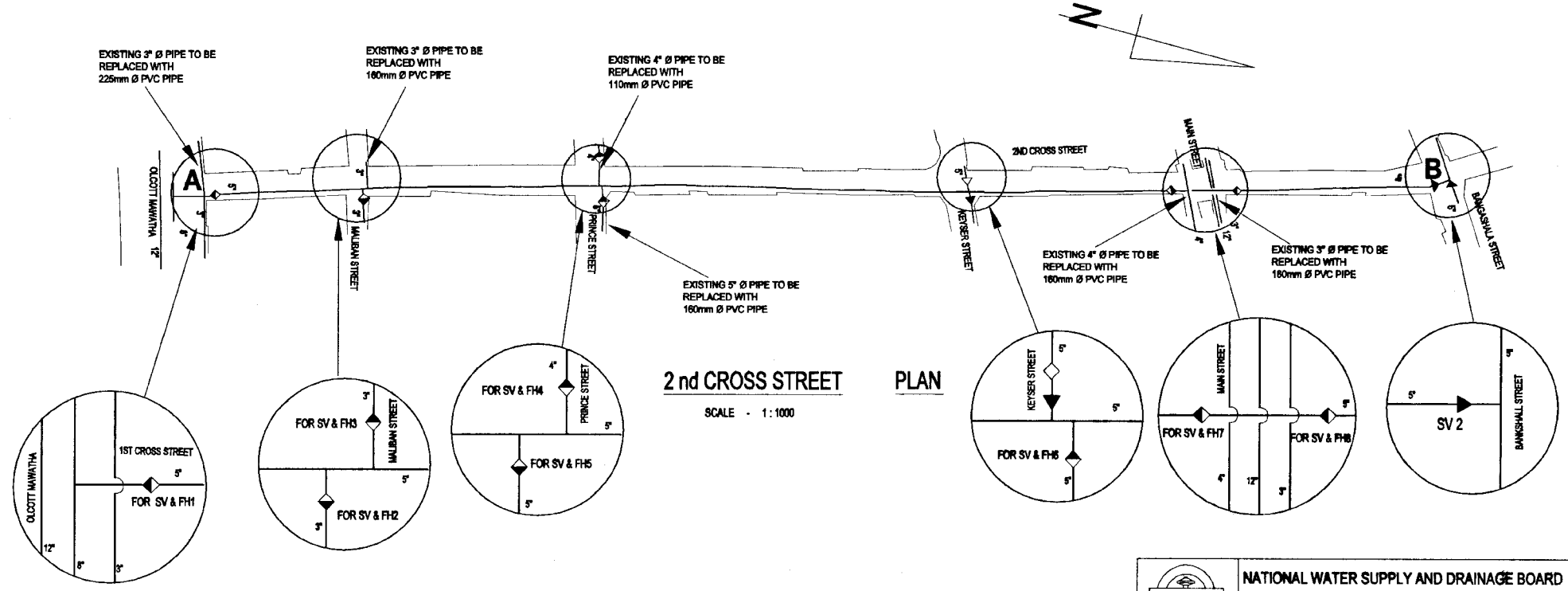
DO NOT SCALE

<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 1 ST CROSS STREET</p>
	<p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM</p> <p>NIHON SUDO CONSULTANTS CO. LTD., TOKYO, JAPAN</p>	<p>DESIGNED: THARANGA</p> <p>CHECKED: R.D.K.</p> <p>DR. TEAM LEADER: R.D.K.</p> <p>TEAM LEADER: R.D.K.</p>



GROUND LEVEL (m)	4.10		4.80		5.00	5.50	5.00		7.00		7.00	7.10	7.00		6.10			
INVERT LEVEL (m)	3.04		3.74		3.94	4.44	4.94		5.94		5.94	6.04	5.94		5.04			
PIPE DETAILS	← 160mm Ø PVC →																	
CHAINAGE (m)	0.00	13.00	65.00	130.00	145.00	170.00		270.00	274.00		340.00	343.00	355.00	365.00	367.00		435.00	440.00
HORIZONTAL ANGLE (°)																		

PROPOSED LS ALONG 2nd CROSS STREET
CHAINAGE 0.0 m - 440m



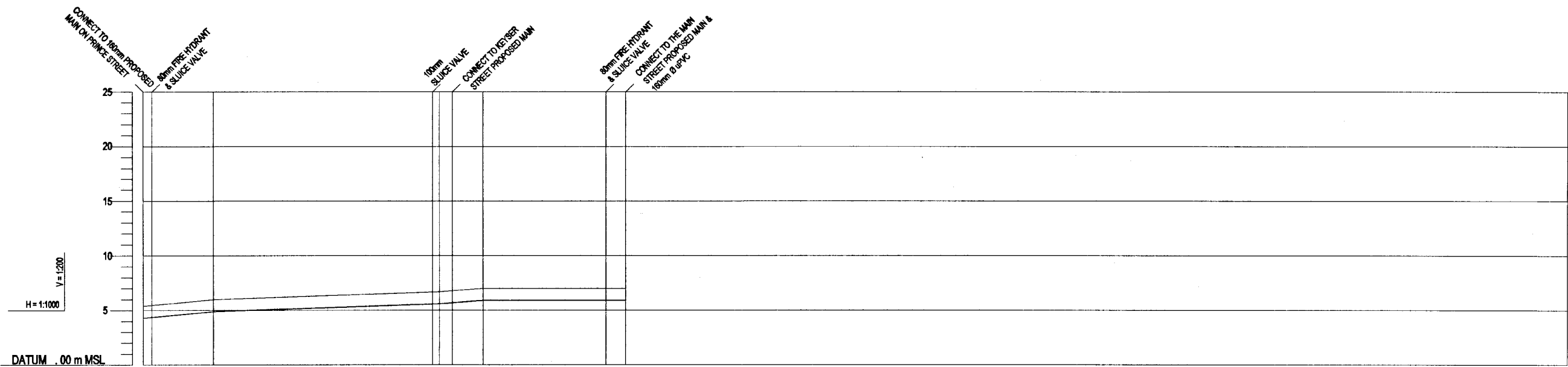
NOTE : AB - Existing 5"Ø pipe is replaced with 160 Ø PVC pipe

DO NOT SCALE

<p>REF. DESCRIPTION</p>	<p>SUB PROJECT: TITLE:</p> <p>SMALL DIAMETER IN CMC (CB1) PLAN & LONGITUDINAL SECTION 2 ND CROSS STREET</p>
<p>DESIGNED: <i>M. Ran</i></p> <p>CHECKED: <i>M. Ran</i></p> <p>DR. TEAM LEADER: <i>[Signature]</i></p> <p>TEAM LEADER: <i>[Signature]</i></p>	<p>DATE: JUNE 2001</p> <p>CONTRACT NO: NRW / CW</p> <p>DRAWN: <i>[Signature]</i></p> <p>DATE: <i>[Signature]</i></p> <p>DRG. NO: RS/DM/RP - 02</p>

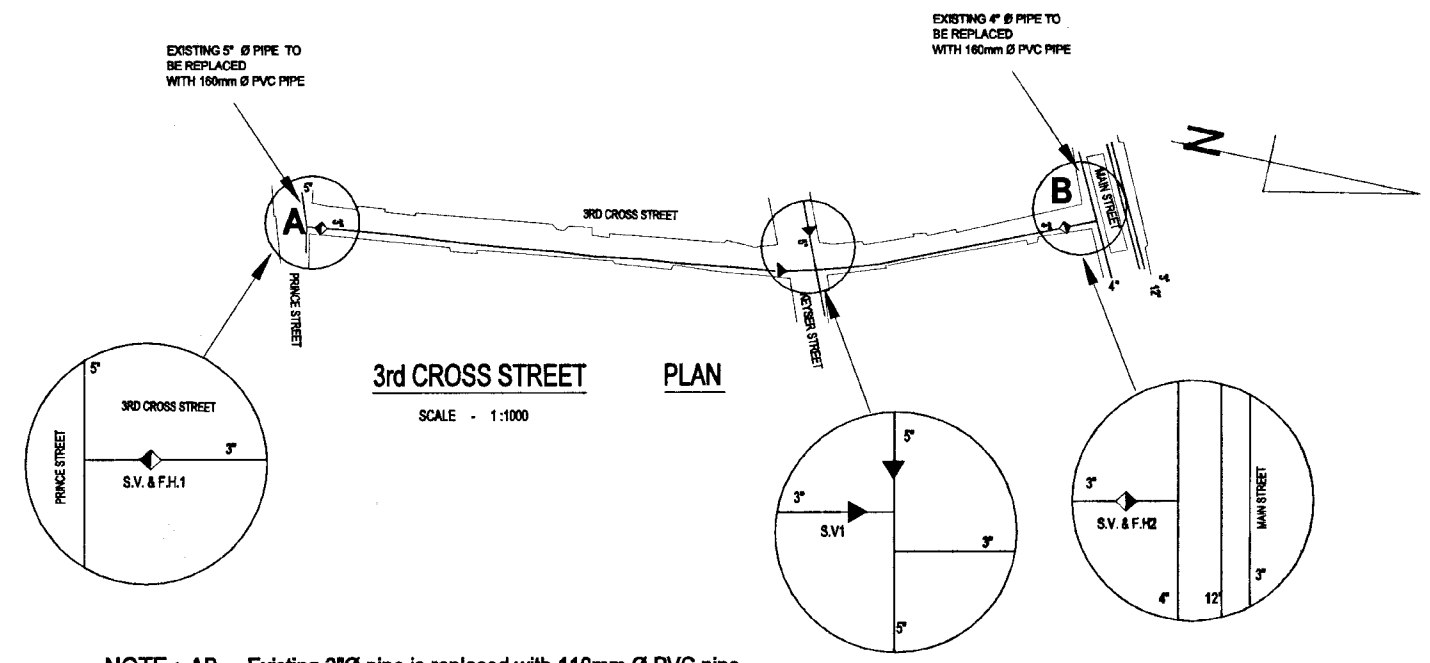
NATIONAL WATER SUPPLY AND DRAINAGE BOARD
 THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA

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



GROUND LEVEL (m)	5.40	6.00	6.70	7.00	7.00
INVERT LEVEL (m)	4.39	4.39	5.99	5.99	5.99
PIPE DETAILS	110mm Ø PVC				
CHAINAGE (m)	0.00 4.00	32.00	132.00 136.00 141.00	155.00	211.00 220.00
HORIZONTAL ANGLE (°)					

PROPOSED LS ALONG 3rd CROSS STREET
 CHAINAGE 0.0 m - 220m



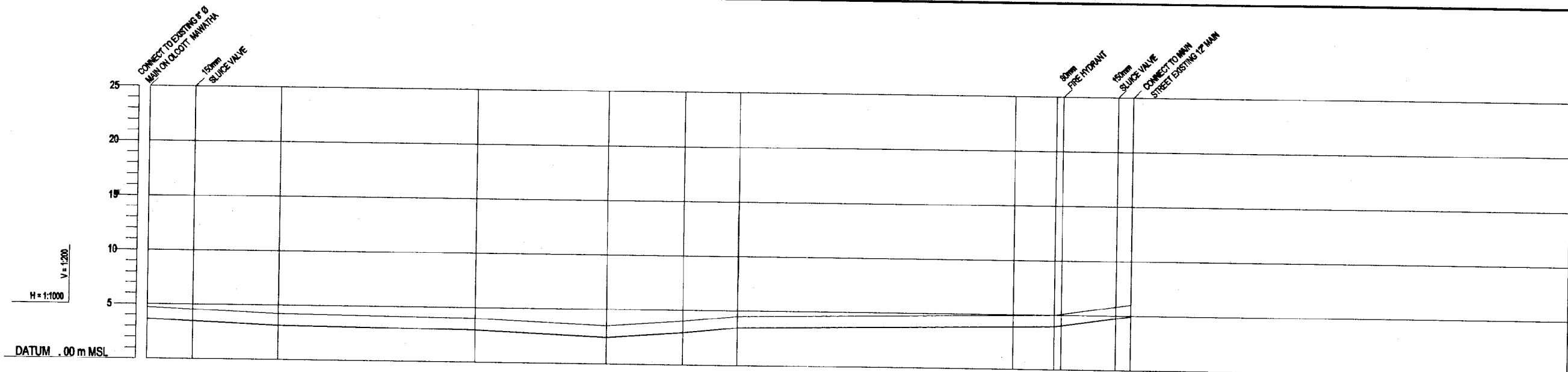
NOTE : AB - Existing 3"Ø pipe is replaced with 110mm Ø PVC pipe

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>	SUB PROJECT: SMALL DIAMETER IN CMC (CB1)	TITLE: PLAN & LONGITUDINAL SECTION 3 RD CROSS STREET
	DESIGNED: <i>[Signature]</i> CHECKED: <i>[Signature]</i> DR. TEAM LEADER: <i>[Signature]</i> TEAM LEADER: <i>[Signature]</i>	DRAWN: THARANGA PI (NRWS/SP) NUMBER: <i>[Signature]</i> A.G.M (PRO) NUMBER: <i>[Signature]</i> D.O.M (PRO) NUMBER:

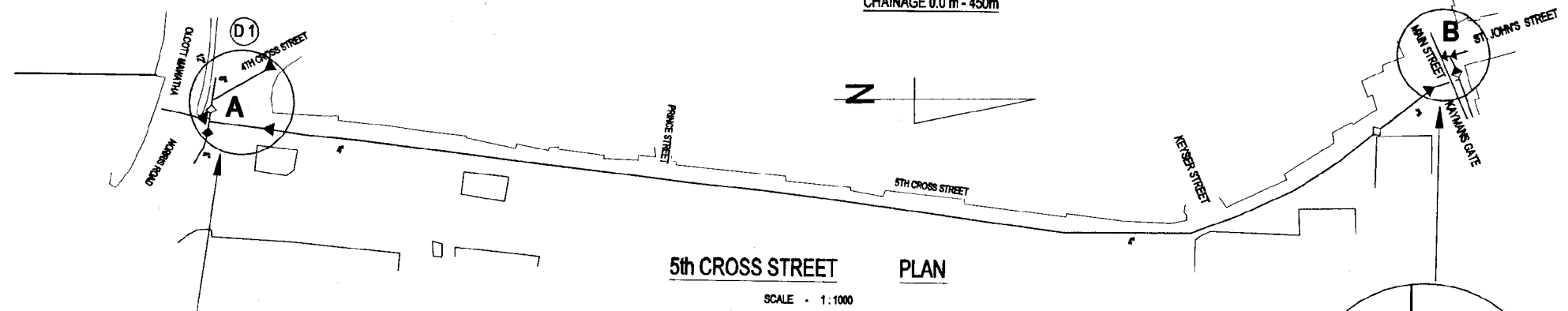
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
 STUDY TEAM
 NIKON SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN



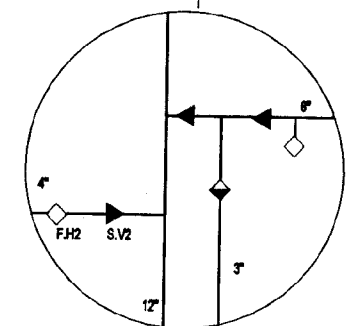
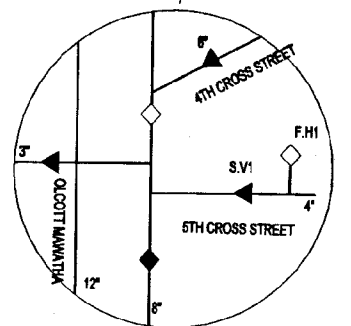
GROUND LEVEL (m)	4.70	4.20	4.00	3.50	4.00	4.50	5.00	6.00
INVERT LEVEL (m)	3.84	3.14	2.94	2.44	2.94	3.44	3.94	4.94
PIPE DETAILS	160mm Ø PVC							
CHAINAGE (m)	0.00	21.00	60.00	150.00	210.00	245.00	270.00	450.00
HORIZONTAL ANGLE (°)							11.25°	

PROPOSED LS ALONG 5th CROSS STREET

CHAINAGE 0.0 m - 450m

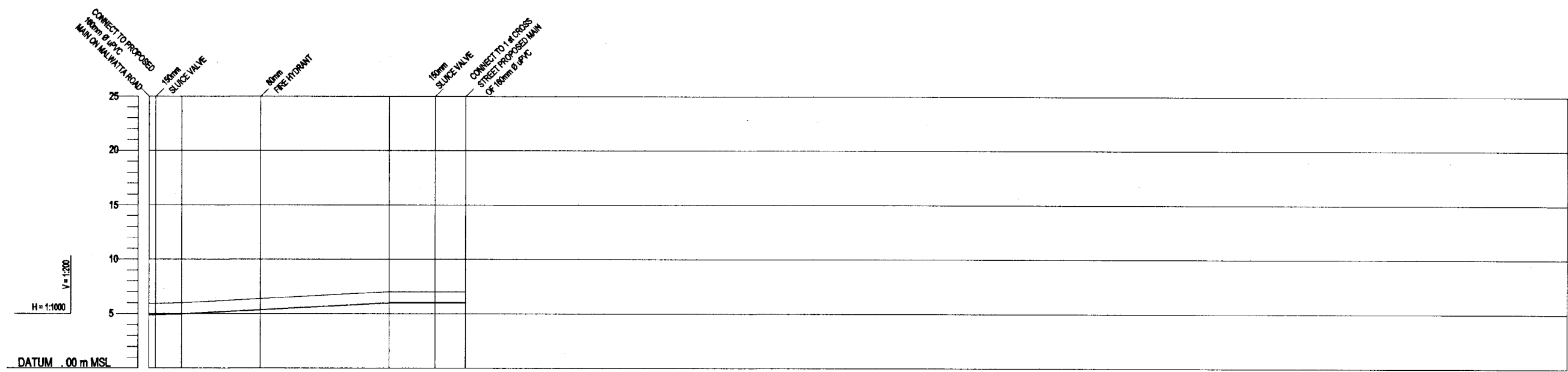


NOTE : AB - Existing 4"Ø pipe is replaced with 160mm Ø pipe



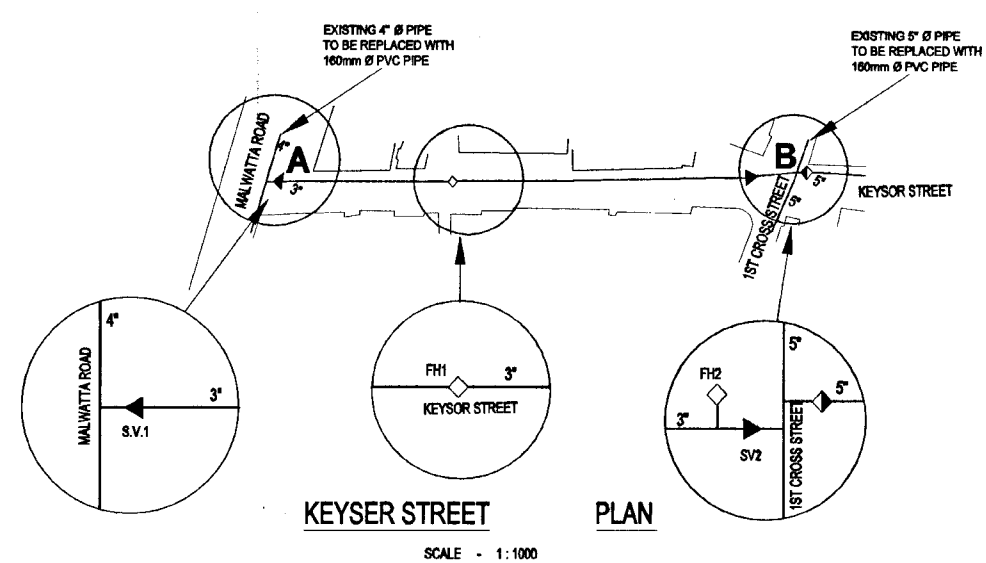
DO NOT SCALE

<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>	<p>SUB PROJECT: SMALL DIAMETER IN CMC (CB1)</p>	<p>TITLE: PLAN & LONGITUDINAL SECTION 5 TH CROSS STREET</p>	
	<p>DESIGNED: [Signature]</p>	<p>DRAWN: THARANGA</p>	<p>DATE: JAN. 2001</p>
	<p>CHECKED: [Signature]</p>	<p>IN CHARGE: [Signature]</p>	<p>CONTRACT NO: NRW / CW</p>
	<p>DR. TEAM LEADER: [Signature]</p>	<p>A&M (P&I) WORKER: [Signature]</p>	<p>DWG. No: RS/DM/RP - 05</p>
<p>TEAM LEADER: [Signature]</p>	<p>D.O.M (P&I) WORKER:</p>		



GROUND LEVEL (m)	5.90	6.00		7.00	7.00
INVERT LEVEL (m)	4.80	4.90		5.90	5.90
PIPE DETAILS	← 110mm Ø PVC →				
CHAINAGE (m)	0.00	3.00	15.00	51.00	110.00
HORIZONTAL ANGLE (°)					

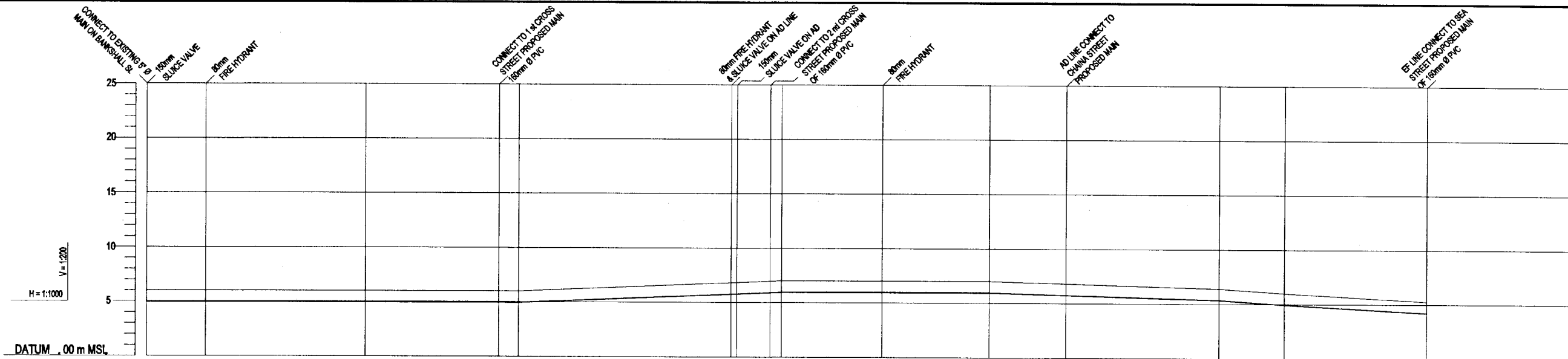
PROPOSED LS ALONG KEYSER STREET
CHAINAGE 0.0 m - 145m



AB - Existing 3"Ø pipe is replaced with 110mm Ø PVC pipe

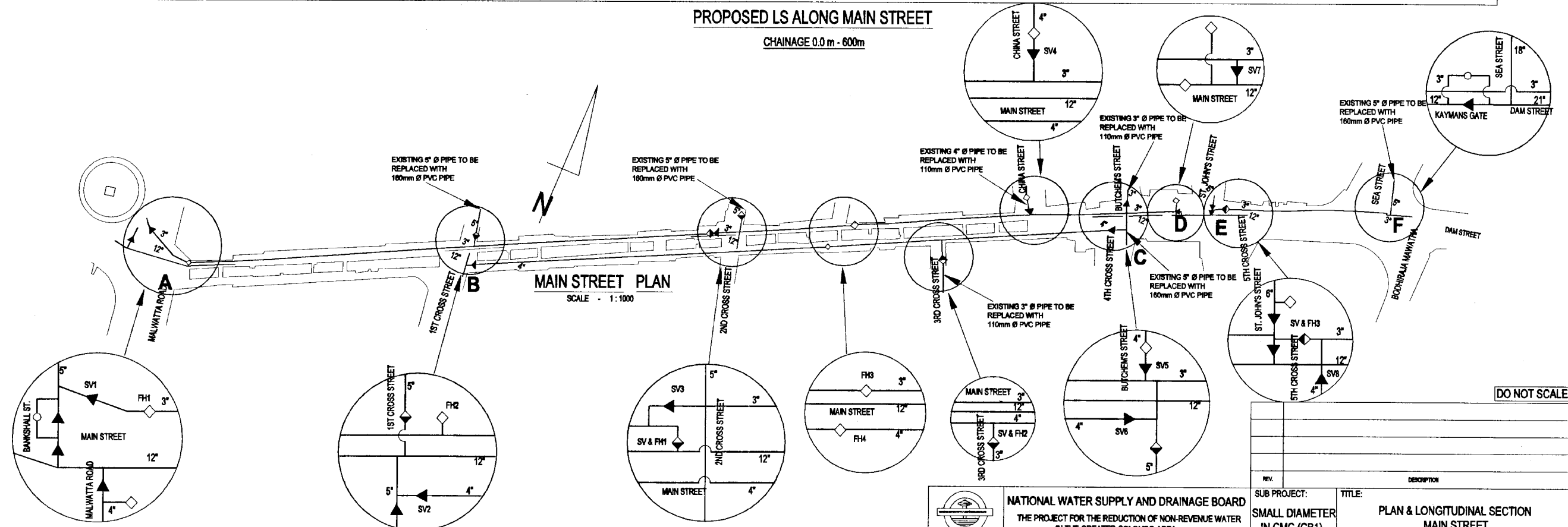
DO NOT SCALE	
REV.	DESCRIPTION

<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 KEYSER STREET</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>DATE: JAN. 2001</p> <p>CONTRACT NO: NRW / CW</p> <p>DWG. NO: RS/DM/RP - 06</p>



GROUND LEVEL (m)	6.00	6.00	6.00	7.00	7.00	6.40	6.00	5.77											
INVERT LEVEL (m)	4.94	4.94	4.94	5.94	5.94	5.94	4.94	4.21											
PIPE DETAILS	160mm Ø PVC			160mm Ø PVC			160mm Ø PVC												
CHAINAGE (m)	0.00	27.00	100.00	154.00	161.00	170.00	267.00	285.00	290.00	308.00	385.00	420.00	480.00	488.00	490.00	500.00	520.00	585.00	
HORIZONTAL ANGLE (°)																			

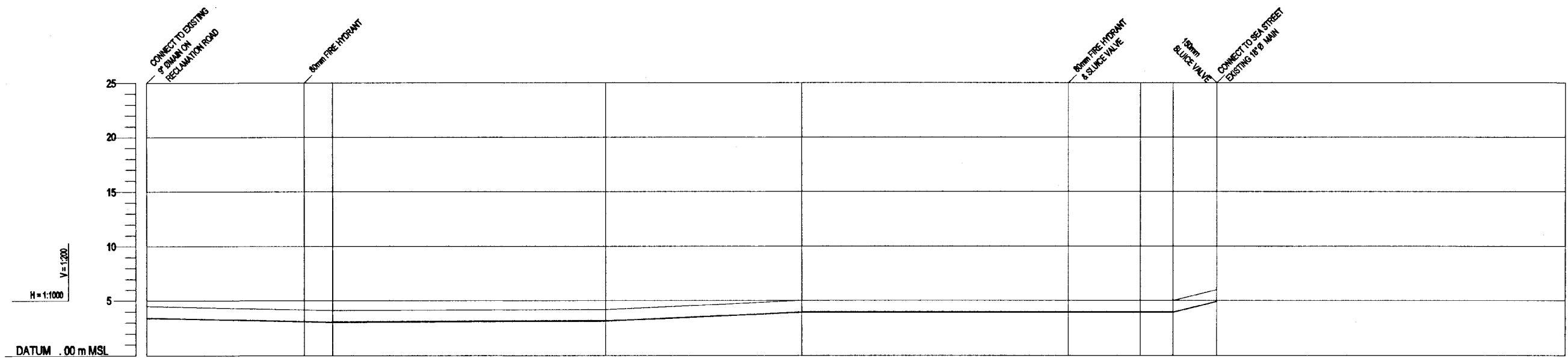
PROPOSED LS ALONG MAIN STREET
CHAINAGE 0.0 m - 600m



NOTE : AD - Existing 3"Ø pipe is replaced with 160mm Ø pipe
 BC - Existing 4"Ø pipe is replaced with 160mm Ø pipe
 EF - Existing 3"Ø pipe is replaced with 160mm Ø pipe

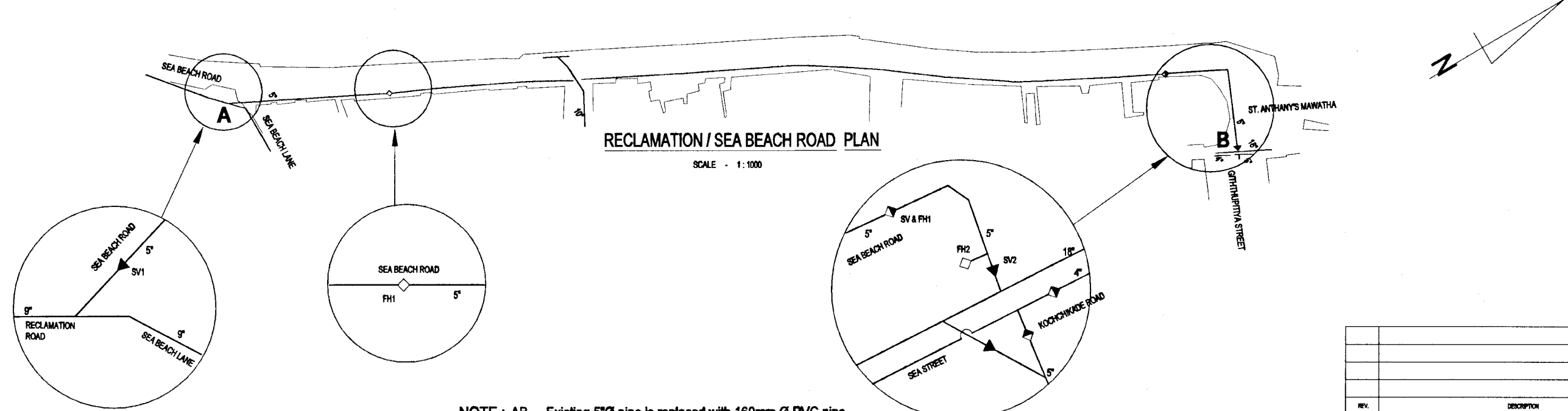
<p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p> <p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM</p> <p>NIHON SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN</p>	<p>SUB PROJECT: SMALL DIAMETER IN CMC (CB1)</p>	<p>TITLE: PLAN & LONGITUDINAL SECTION MAIN STREET</p>	
	<p>DESIGNED: [Signature]</p>	<p>DRAWN: THARANCA</p>	<p>DATE: JUL 2001</p>
	<p>CHECKED: [Signature]</p>	<p>PH (NRWS/SP) NUMBER: [Signature]</p>	<p>CONTRACT NO: NRW / CW</p>
	<p>DR. TEAM LEADER: [Signature]</p>	<p>A&M (PH) NUMBER: R. D. A.</p>	<p>CRD NO: RS/DM/RP - 07</p>

DO NOT SCALE



GROUND LEVEL (m)	4.50	4.10	4.20	5.00	5.00	6.00
INVERT LEVEL (m)	3.44	3.04	3.14	3.04	3.04	4.04
PIPE DETAILS	160mm Ø PVC					
CHAINAGE (m)	0.00	72.00	86.00	210.00	300.00	422.00
HORIZONTAL ANGLE (°)					90°	

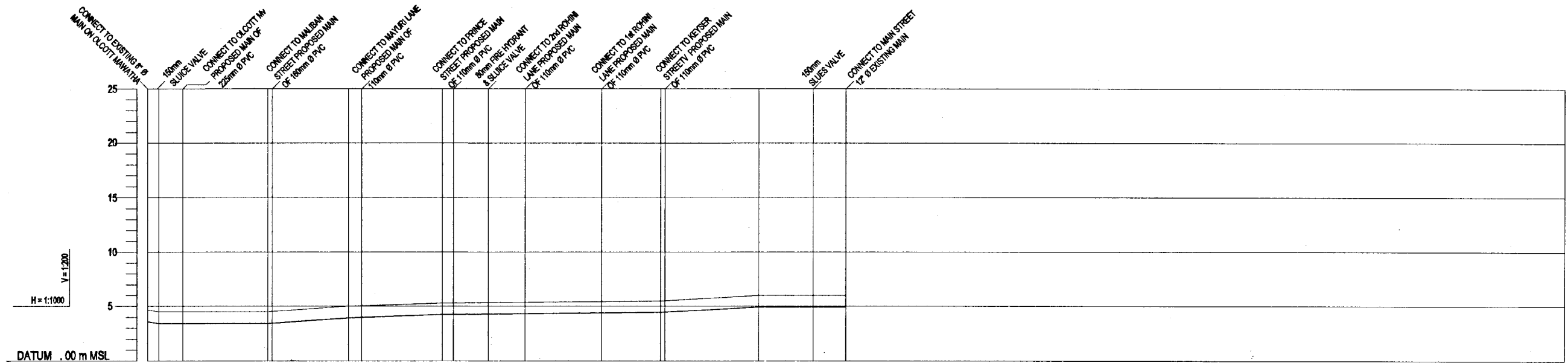
PROPOSED LS ALONG RECLAMATION/SEA BEACH ROAD
CHAINAGE 0.0 m - 475m



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

DO NOT SCALE

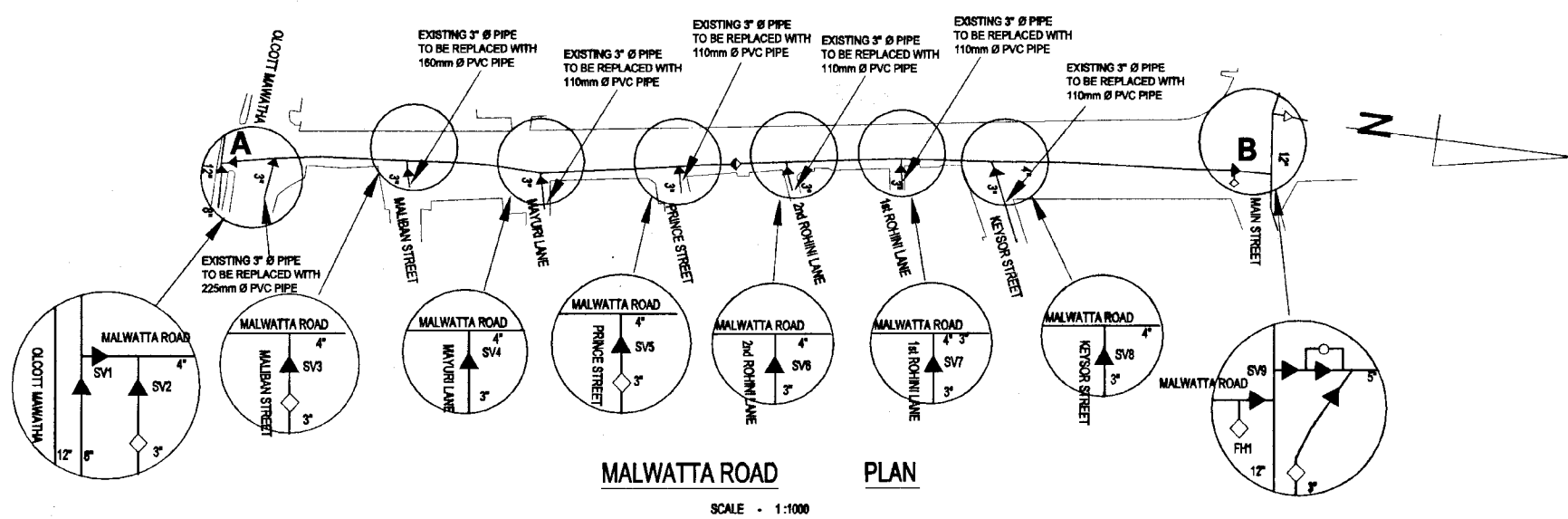
<p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p>	<p>SUB PROJECT: SMALL DIAMETER IN CMC (CB1)</p>	<p>TITLE: PLAN & LONGITUDINAL SECTION RECLAMATION / SEA BEACH ROAD</p>
	<p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM</p> <p>NIHON SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN</p>	<p>DESIGNED: [Signature]</p> <p>CHECKED: [Signature]</p> <p>DT. TEAM LEADER: [Signature]</p> <p>TEAM LEADER: [Signature]</p>



GROUND LEVEL (m)	4.60	4.50	4.50	5.00	5.30	5.50	6.00	6.00	6.00									
INVERT LEVEL (m)	3.54	4.44	3.44	3.94	4.24	4.44	4.94	4.94	4.94									
PIPE DETAILS	180mm Ø PVC																	
CHAINAGE (m)	0.00	5.00	16.00	55.00	57.00	92.00	98.00	135.00	140.00	156.00	173.00	208.00	235.00	237.00	280.00	305.00	320.00	
HORIZONTAL ANGLE (°)																		

PROPOSED LS ALONG MALWATTA ROAD

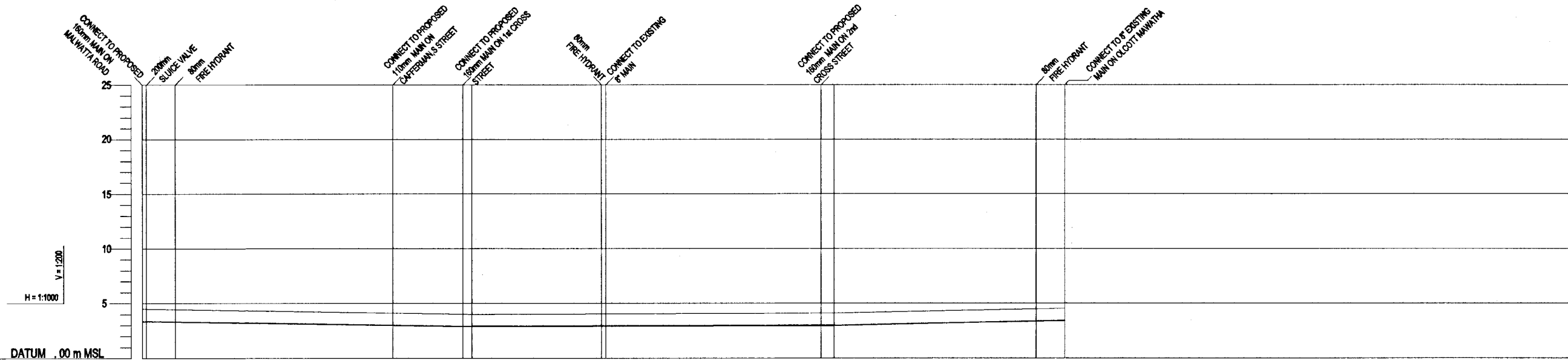
CHAINAGE 0.0 m - 320m



NOTE : AB - Existing 4"Ø pipe is replaced with 160mm Ø PVC pipe

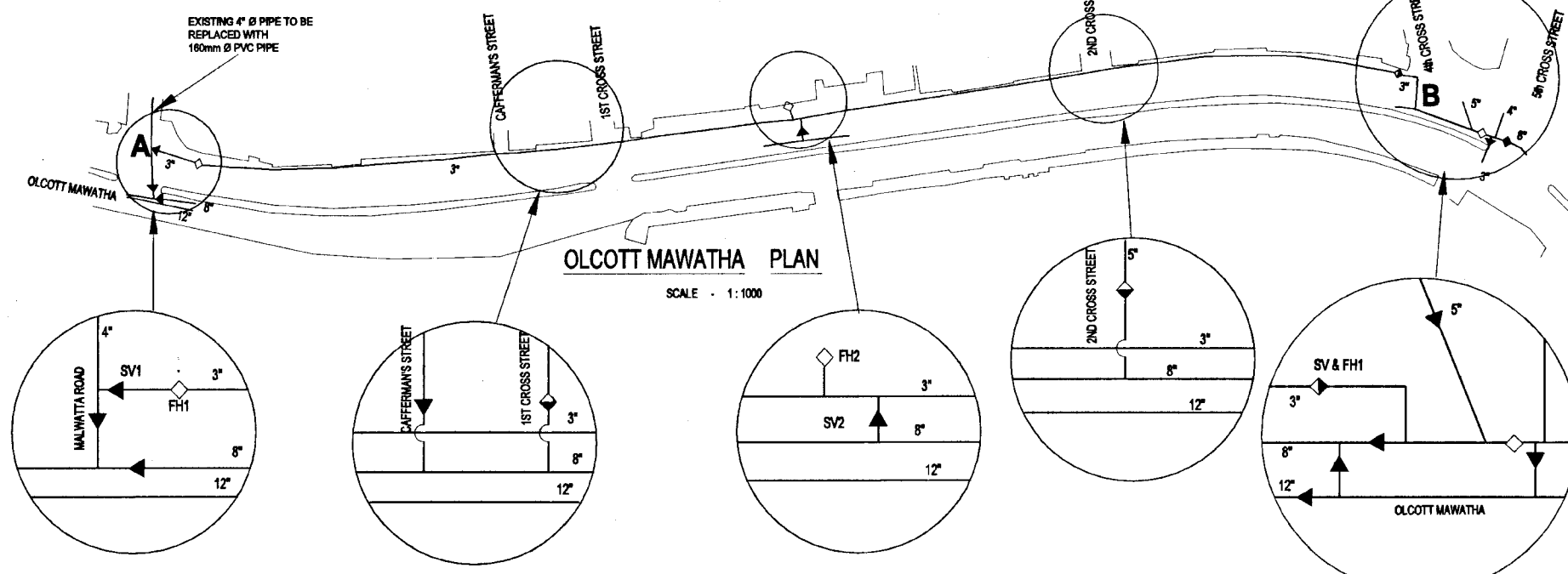
DO NOT SCALE

<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 MALWATTA ROAD</p>
	<p>DESIGNED: [Signature]</p> <p>CHECKED: [Signature]</p> <p>DRY TEAM LEADER: [Signature]</p> <p>TEAM LEADER: [Signature]</p>	<p>DRAWN: THARUNICA</p> <p>PM (NWS&D) INCHG: [Signature]</p> <p>A&M (P&D) INCHG: R. D. A. J.</p> <p>D.G.M (P&D) INCHG:</p>



GROUND LEVEL (m)	4.50	4.00	4.10	4.54
INVERT LEVEL (m)	3.38	2.98	2.98	3.42
PIPE DETAILS	225mm Ø PVC			
CHAINAGE (m)	0.00	114.00	209.00 211.00	309.00 315.00
HORIZONTAL ANGLE (°)				

PROPOSED LS ALONG OLCOTT MAWATHA
 CHAINAGE 0.0 m - 420m




NOTE : AB - Existing 3"Ø pipe is replaced with 225mm Ø PVC pipe

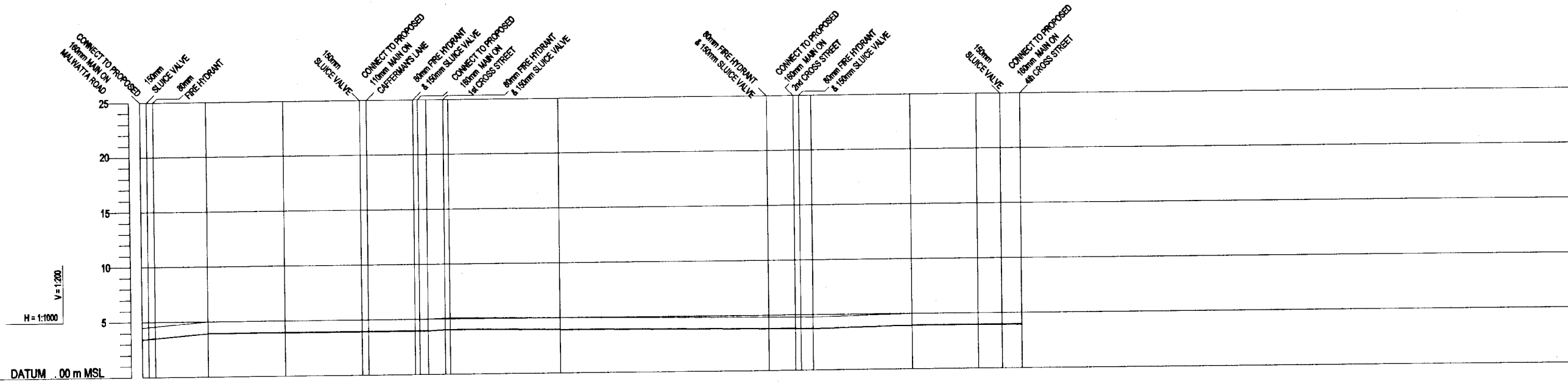
DO NOT SCALE

REV	DESCRIPTION

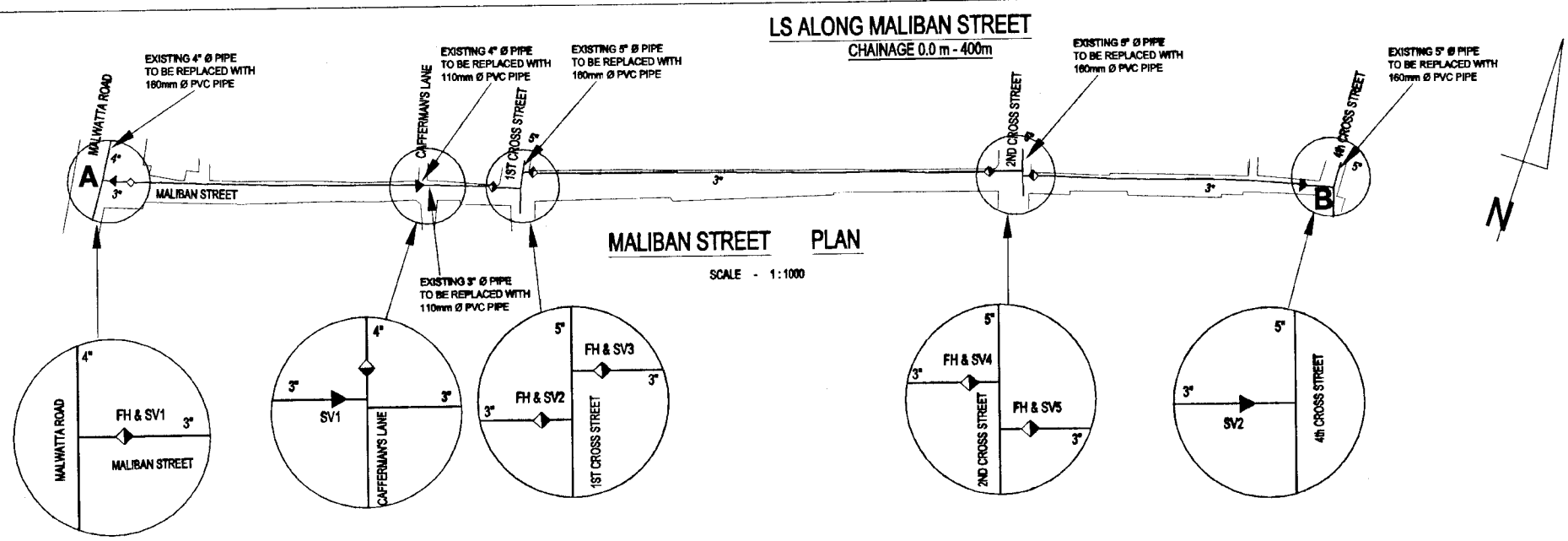
SUB PROJECT: SMALL DIAMETER IN CMC (CB1)		TITLE: PLAN & LONGITUDINAL SECTION OLCOTT MAWATHA	
DESIGNED: [Signature]	DRAWN: THARANGA	DATE: JAN. 2001	CONTRACT NO: NRW / CW
CHECKED: [Signature]	PA (MWSAPS) NUMBER: [Signature]	DRG. No: [Signature]	
DR. TEAM LEADER: [Signature]	A.G.M (P&D) NUMBER: [Signature]		
TEAM LEADER: [Signature]	D.O.M (P&D) NUMBER: [Signature]		RS/DMRP - 10


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 SUIDO CONSULTANTS CO. LTD.,
 TOKYO, JAPAN



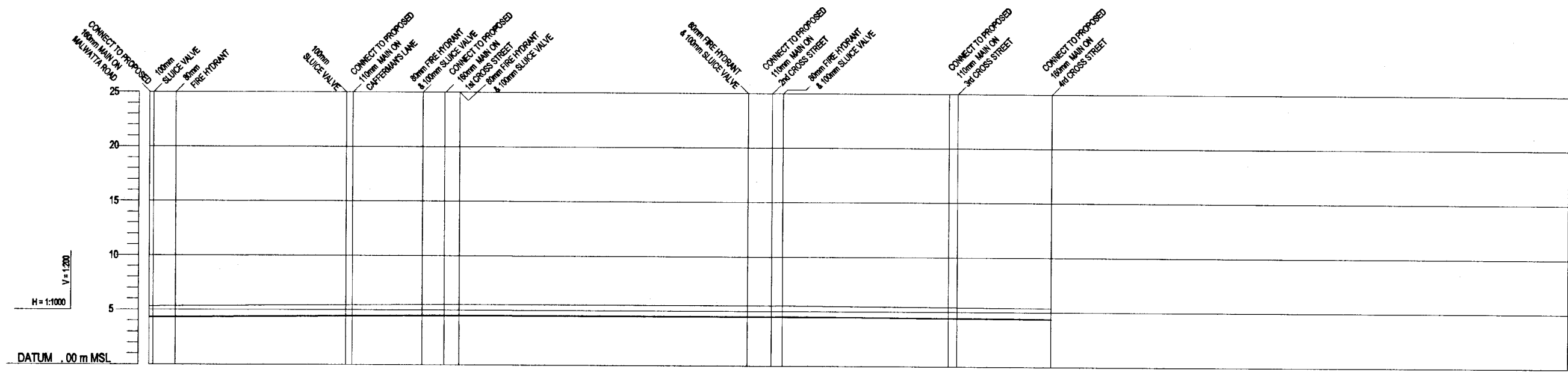
GROUND LEVEL (m)	4.30	5.00	5.00	5.00	5.10	5.00	4.80	5.00	5.00	5.00					
INVERT LEVEL (m)	3.44	3.94	3.94	3.94	4.04	3.94	3.74	3.94	3.94	3.94					
PIPE DETAILS	180mm Ø PVC														
CHAINAGE (m)	0.00	30.00	66.00	100.00	124.00	130.00	140.00	180.00	285.00	317.00	305.00	380.00	390.00	396.00	406.00
HORIZONTAL ANGLE (°)															



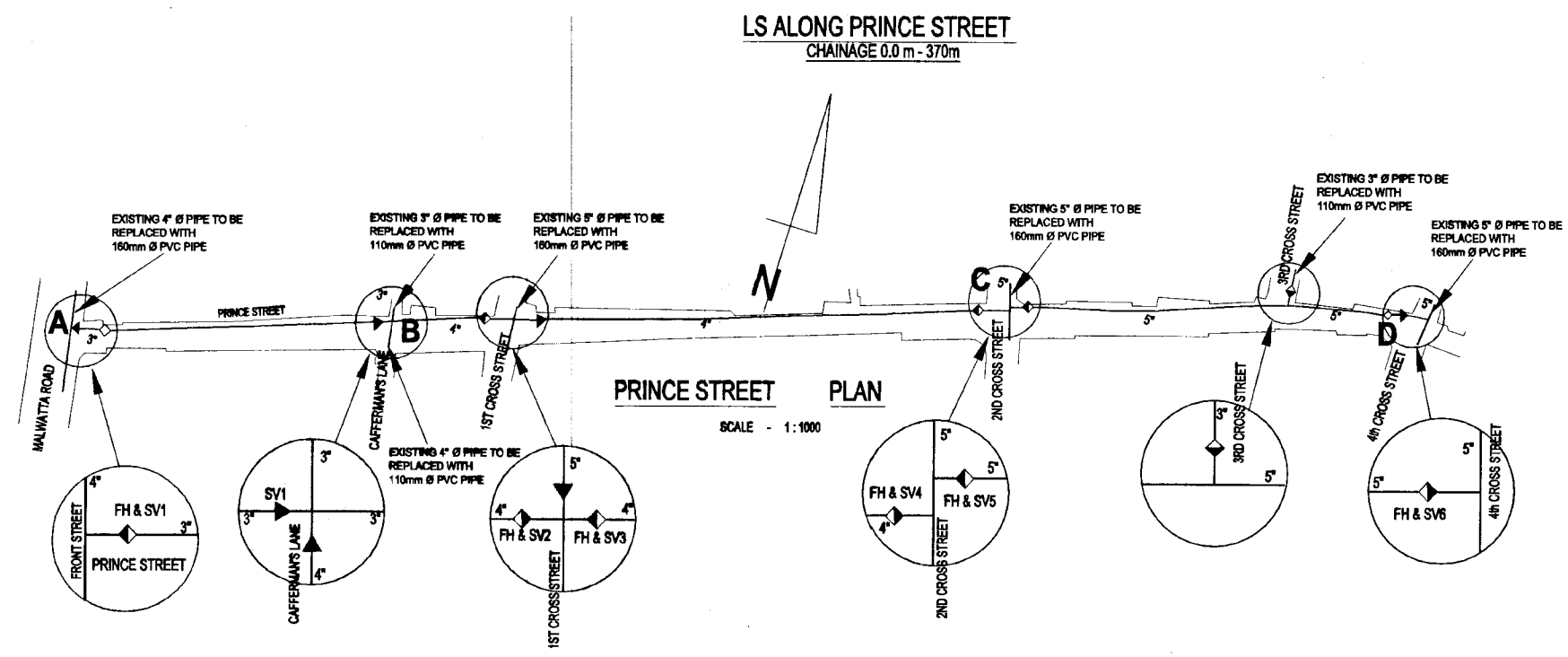
NOTE : AB - Existing 3"Ø pipe is replaced with 160mm PVC Ø pipe

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>	SUB PROJECT: SMALL DIAMETER IN CMC (CB1)		TITLE: PLAN & LONGITUDINAL SECTION MALIBAN STREET	
	DESIGNED: [Signature]	DRAWN: THARANGA	DATE: JAN. 2001	
<p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM</p> <p>NIHON SUDO CONSULTANTS CO. LTD. TOKYO, JAPAN</p>	CHECKED: [Signature]	PM (NWS&D) INCHARGE: [Signature]	CONTRACT No: NRW / CW	
	DR. TEAM LEADER: [Signature]	A.S.M (P&D) INCHARGE: [Signature]	DRG. No: RS/DM/RP - 11	
	TEAM LEADER: [Signature]	D.G.M (P&D) INCHARGE: [Signature]		



GROUND LEVEL (m)	5.30			5.50				5.50					5.41	
INVERT LEVEL (m)	4.28			4.48				4.48					4.38	
PIPE DETAILS	110mm Ø PVC		110mm Ø PVC				160mm Ø PVC							
CHAINAGE (m)	0.00	0.00	89.00	96.00	125.00	135.00	142.00		250.00	274.00	285.00	290.00	0.00	370.00
HORIZONTAL ANGLE (°)														

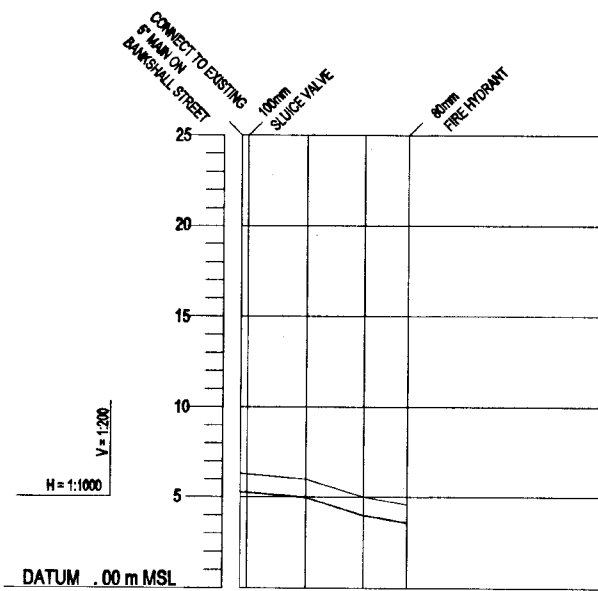


NOTE : AB - Existing 3"Ø pipe is replaced with 110mm Ø PVC pipe
 BC - Existing 4"Ø pipe is replaced with 110mm Ø PVC pipe
 CD - Existing 5"Ø pipe is replaced with 160mm Ø PVC pipe

DO NOT SCALE

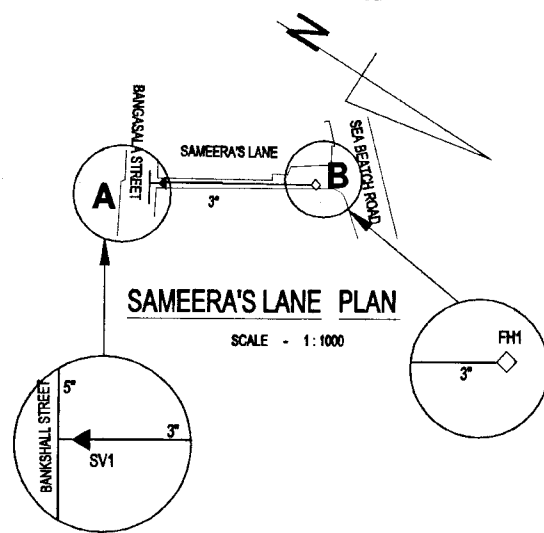
NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA		SUB PROJECT: SMALL DIAMETER IN CMC (CB1)	TITLE: PLAN & LONGITUDINAL SECTION PRINCE STREET
DESIGNED: 	DRAWN: THARANGA	DATE: JAN. 2001	CONTRACT NO: NRW / CW
CHECKED: 	A.S.M. (P&I) NUMBER: 	D.M.G. No.:	RS/DW/RP - 12
DT. TEAM LEADER: 	D.G.M. (P&I) NUMBER:		
TEAM LEADER: 			

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

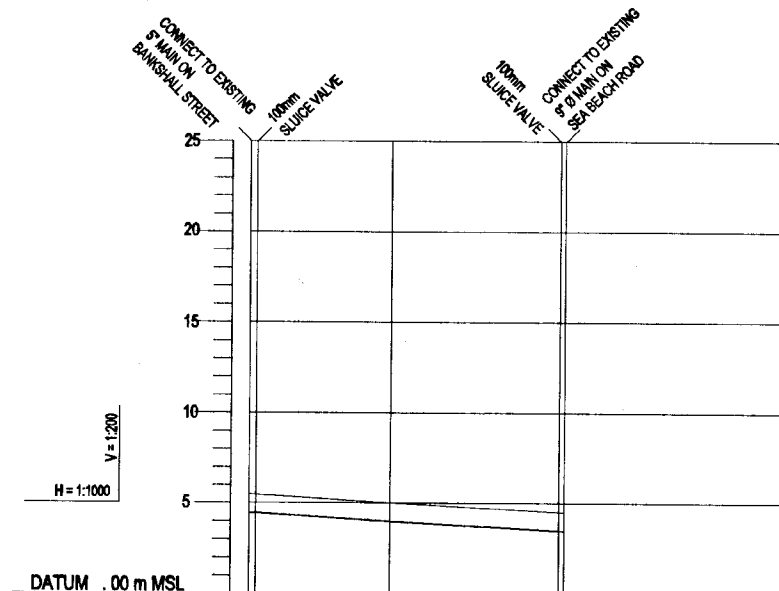


GROUND LEVEL (m)	6.30	6.00	5.00	4.60
INVERT LEVEL (m)	5.20	4.90	3.90	3.50
PIPE DETAILS	110mm Ø PVC			
CHAINAGE (m)	0.00	18.00	34.00	46.00
HORIZONTAL ANGLE (°)				

PROPOSED LS ALONG SAMEERA'S LANE
CHAINAGE 0.0 m - 46m

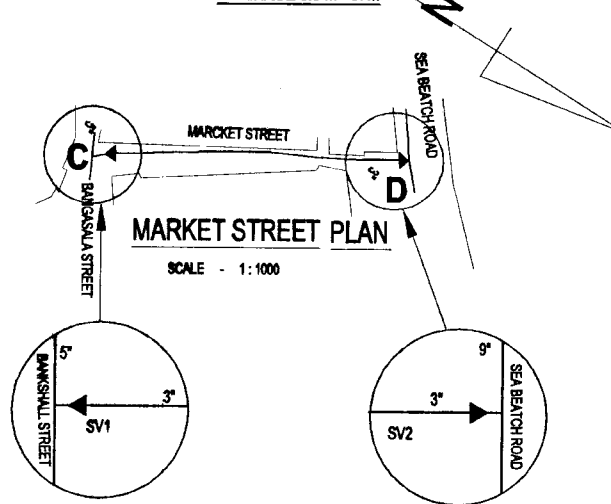


NOTE : AB - Existing 3"Ø pipe is replaced with 110mm Ø PVC pipe

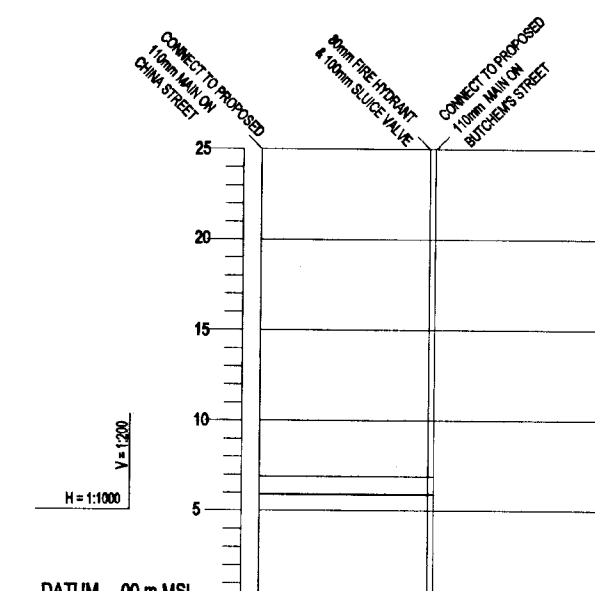


GROUND LEVEL (m)	5.50	5.00	4.50
INVERT LEVEL (m)	4.40	3.90	3.40
PIPE DETAILS	110mm Ø PVC		
CHAINAGE (m)	0.00	39.00	87.00
HORIZONTAL ANGLE (°)			

PROPOSED LS ALONG MARKET STREET
CHAINAGE 0.0 m - 87m

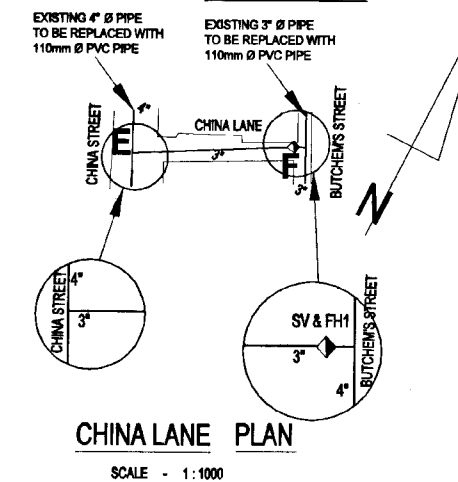


NOTE : CD - Existing 3"Ø pipe is replaced with 110mm Ø PVC pipe



GROUND LEVEL (m)	6.90	6.90
INVERT LEVEL (m)	5.80	5.80
PIPE DETAILS	110mm Ø PVC	
CHAINAGE (m)	0.00	48.00
HORIZONTAL ANGLE (°)		

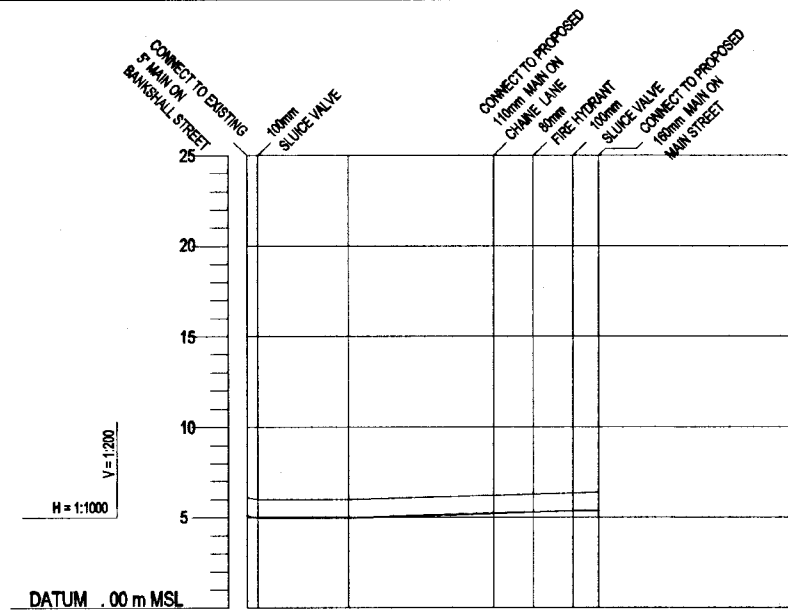
PROPOSED LS ALONG CHINA LANE
CHAINAGE 0.0 m - 48m



NOTE : EF - Existing 3"Ø pipe is replaced with 110mm Ø PVC pipe

DO NOT SCALE

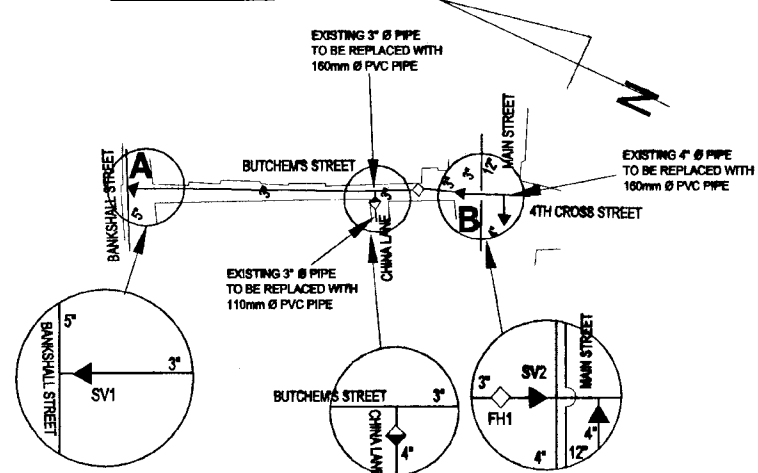
<p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p>	SUB PROJECT: SMALL DIAMETER IN CMC (CB1) TITLE: PLAN & LONGITUDINAL SECTION SAMEERA'S LANE, MARKET LANE, ST. CHINA LANE	
	DESIGNED: [Signature] CHECKED: [Signature] DT. TEAM LEADER: [Signature] TEAM LEADER: [Signature]	DRAWN: THARANGA PA (NWS&D) INCHARGE: [Signature] A&M (P&D) INCHARGE: [Signature] O&M (P&D) INCHARGE: [Signature]
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM NIPPON SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN		



GROUND LEVEL (m)	8.00	8.00	6.40
INVERT LEVEL (m)	5.99	4.99	5.99
PIPE DETAILS	110mm Ø PVC		
CHAINAGE (m)	0.00	28.00	97.00
HORIZONTAL ANGLE (°)	11.25°		

PROPOSED LS ALONG BUTCHER'S STREET

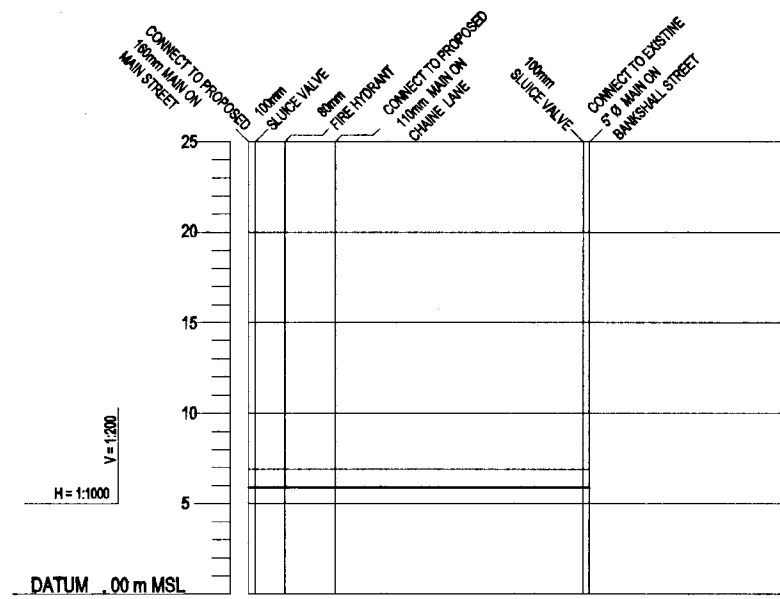
CHAINAGE 0.0 m - 97m



BUTCHER'S STREET PLAN

SCALE - 1:1000

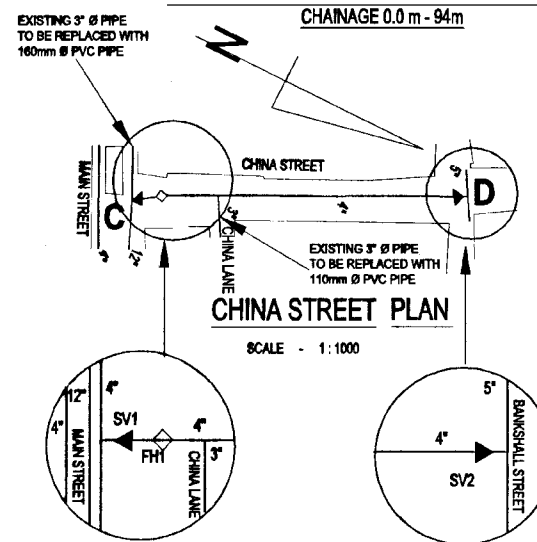
NOTE : AB - Existing 3"Ø pipe is replaced with 110mm Ø PVC pipe



GROUND LEVEL (m)	6.90	6.90
INVERT LEVEL (m)	5.99	5.99
PIPE DETAILS	110mm Ø PVC	
CHAINAGE (m)	0.00	94.00
HORIZONTAL ANGLE (°)	11.25°	

PROPOSED LS ALONG CHINA STREET

CHAINAGE 0.0 m - 94m



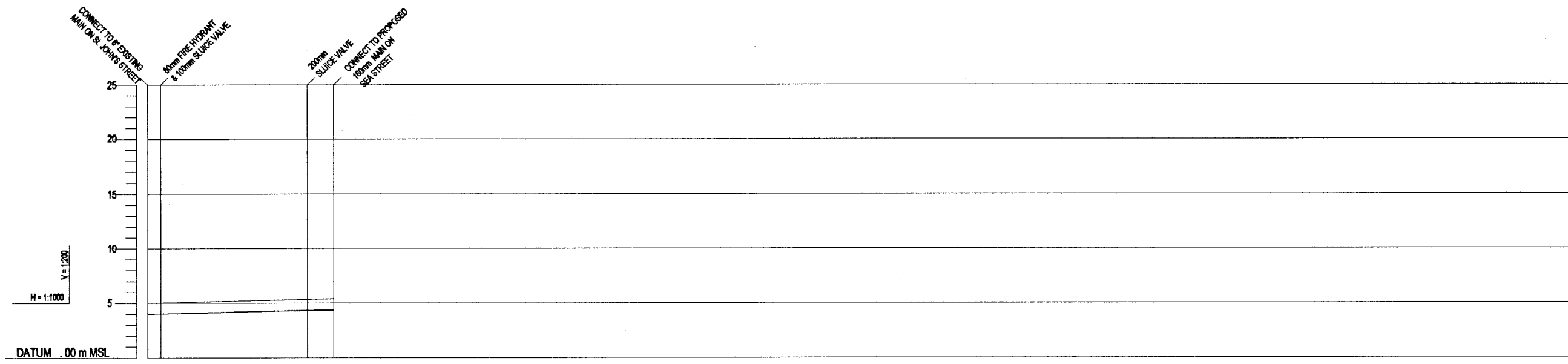
CHINA STREET PLAN

SCALE - 1:1000

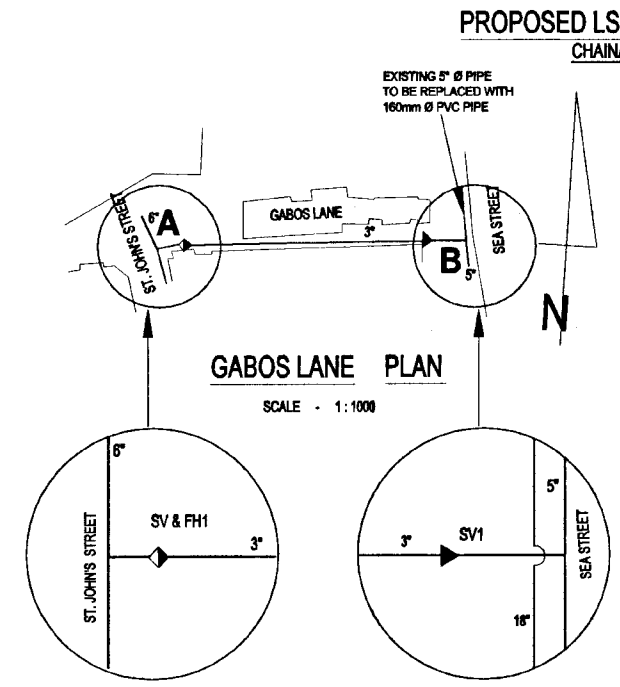
NOTE : CD - Existing 4"Ø pipe is replaced with 110mmØ PVC pipe

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>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM</p> <p>NIHON SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN</p>	<p>SUB PROJECT: SMALL DIAMETER IN CMC (CB1)</p> <p>TITLE: PLAN & LONGITUDINAL SECTION BUTCHER'S STREET, CHINA STREET</p>	
	<p>DESIGNED: <i>[Signature]</i></p> <p>CHECKED: <i>[Signature]</i></p> <p>DR. TEAM LEADER: <i>[Signature]</i></p> <p>TEAM LEADER: <i>[Signature]</i></p>	<p>DATE: JAN. 2001</p> <p>CONTRACT No: NRW / CW</p> <p>DR. No: RS/DM/RP - 14</p>
	<p>DRAWN: THARANGA</p> <p>A.S.M (PMD) INCHARGE: E. D. A. J.</p> <p>D.S.M (PMD) INCHARGE:</p>	




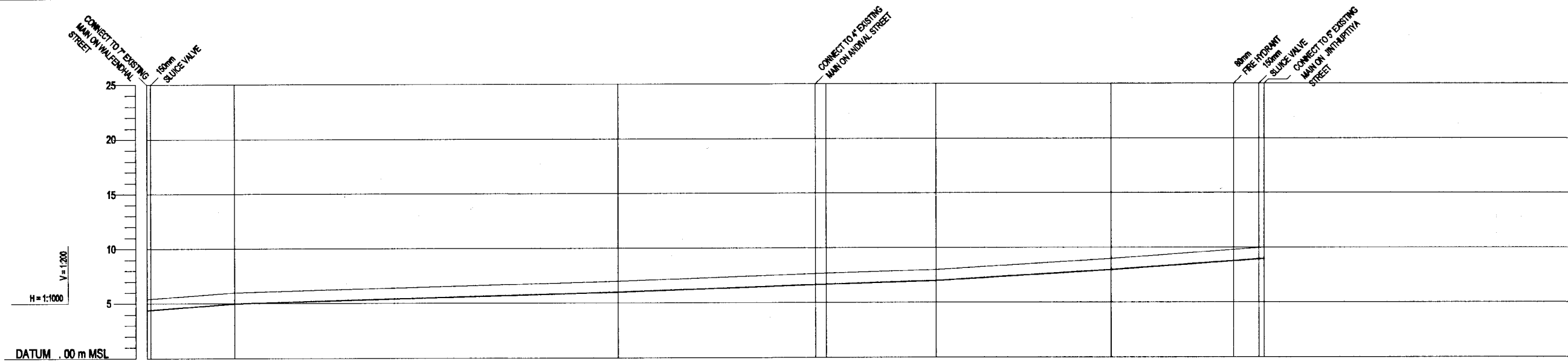
GROUND LEVEL (m)	5.00	5.40
INVERT LEVEL (m)	3.98	4.38
PIPE DETAILS	110mm Ø PVC	
CHAINAGE (m)	0.00	85.00
HORIZONTAL ANGLE (°)		



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

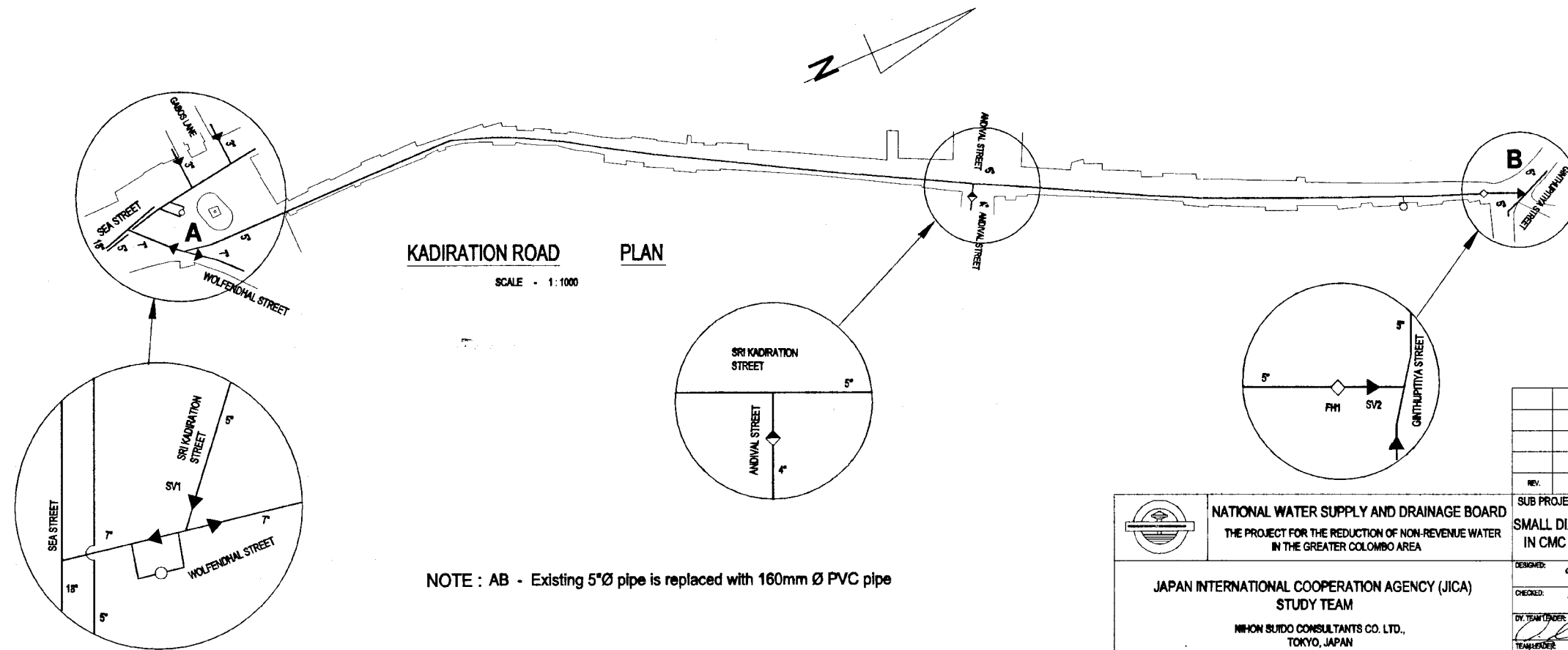
DO NOT SCALE

 NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA	SUB PROJECT:	TITLE:
	SMALL DIAMETER IN CMC (CB1)	PLAN & LONGITUDINAL SECTION GABOS LANE
DESIGNED: <i>[Signature]</i>	DRAWN: THARANGA	DATE: JAN. 2001
CHECKED: <i>[Signature]</i>	PLN (REVISED) NUMBER: <i>[Signature]</i>	CONTRACT NO: NRW / CW
BY: TEAM LEADER: <i>[Signature]</i>	A.S.M (PMD) NUMBER: R. D. <i>[Signature]</i>	DRAWN IN: RS/DM/RP - 15
TEAM LEADER: <i>[Signature]</i>	D.O.M (PMD) NUMBER:	



GROUND LEVEL (m)	5.40	6.00	7.00	7.70	8.00	9.00	10.00
INVERT LEVEL (m)	4.34	4.94	5.94	6.64	6.94	7.94	8.04
PIPE DETAILS	160mm Ø PVC						
CHAINAGE (m)	0.00	40.00	105.00	215.00	305.00	310.00	360.00
HORIZONTAL ANGLE (°)	22.7						

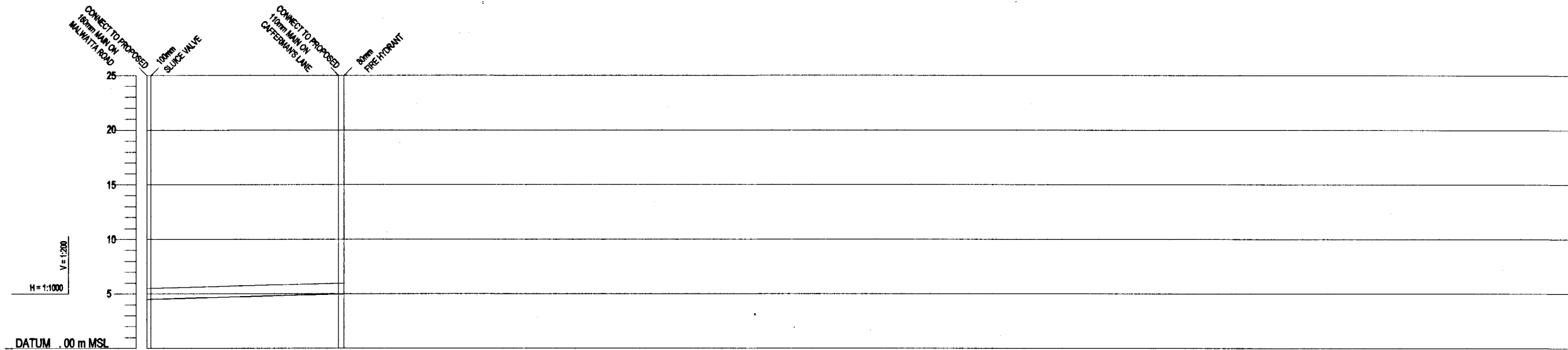
PROPOSED LS ALONG KADIRATION ROAD
CHAINAGE 0.0 m - 510m



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

DO NOT SCALE

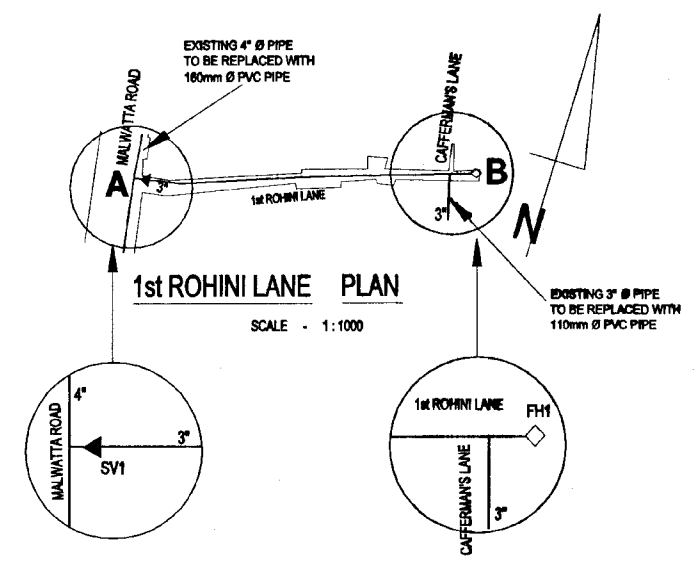
NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA		SUB PROJECT: SMALL DIAMETER IN CMC (CB1)	TITLE: PLAN & LONGITUDINAL SECTION KADIRATION ROAD
DESIGNED: <i>[Signature]</i> CHECKED: <i>[Signature]</i> BY TEAM LEADER: <i>[Signature]</i> TEAM LEADER: <i>[Signature]</i>	DRAWN: THARANGA PM (NRWS&D) M/S: <i>[Signature]</i> A.G.M (P&D) M/S: <i>[Signature]</i> D.G.M (P&D) M/S:	DATE: JUN. 2001 CONTRACT No: NRW / CW DRG. No: RS/DM/RP - 16	



GROUND LEVEL (m)	5.50	6.00
INVERT LEVEL (m)	4.49	4.49
PIPE DETAILS	110mm Ø PVC	
CHAINAGE (m)	0.00	90.00
HORIZONTAL ANGLE (°)	11.25	


PROPOSED LS ALONG 1st ROHINI LANE

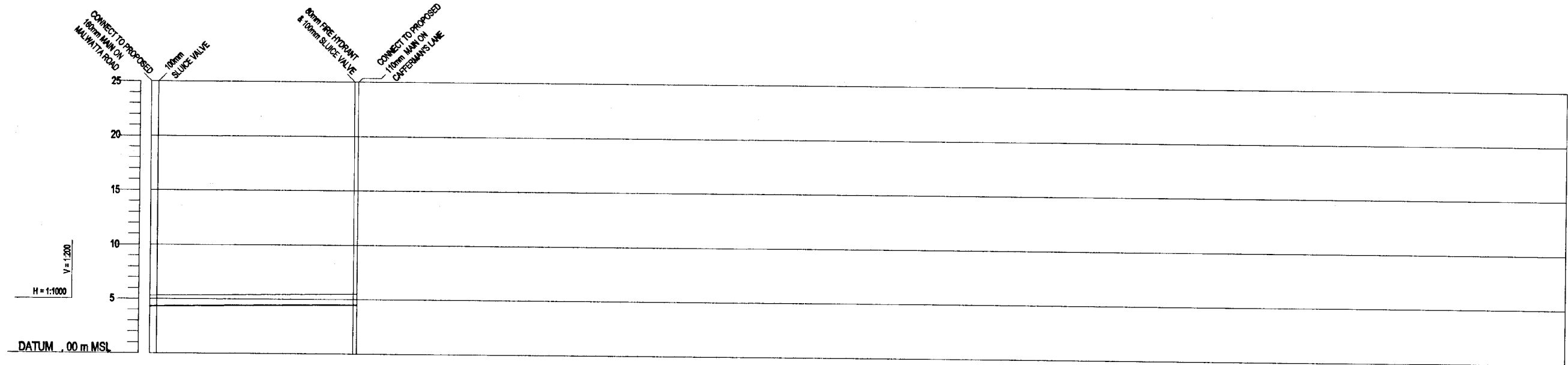
CHAINAGE 0.0 m - 90m



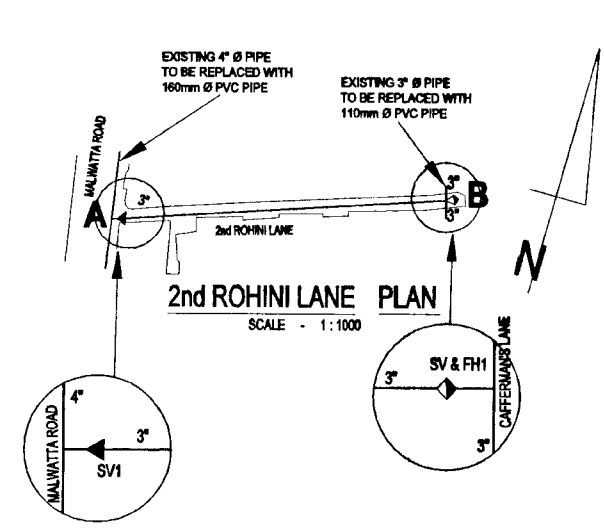
NOTE : AB - Existing 3"Ø pipe is replaced with 110mm Ø PVC pipe

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 1 ST ROHINI LANE</p>
	<p>DESIGNED: [Signature]</p>	<p>DRAWN: THARANIGA</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>DRG. NO: RS/DM/RP - 17</p>



GROUND LEVEL (m)	5.30	5.50
INVERT LEVEL (m)	4.20	4.40
PIPE DETAILS	110mm Ø PVC	
CHAINAGE (m)	0.00	95.00
HORIZONTAL ANGLE (°)		



PROPOSED LS ALONG 2nd ROHINI LANE
CHAINAGE 0.0 m - 95m

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

DO NOT SCALE

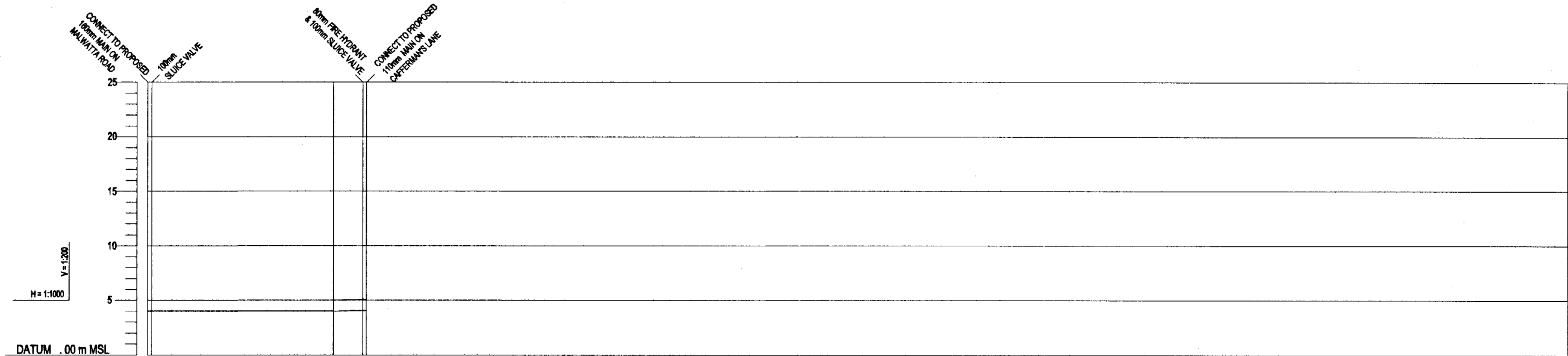
REV.	DESCRIPTION

SUB PROJECT: SMALL DIAMETER IN CMC (CB1)		TITLE: PLAN & LONGITUDINAL SECTION 2 ND ROHINI LANE	
DESIGNED: <i>[Signature]</i>	DRAWN: THARANGA	DATE: JAN. 2001	
CHECKED: <i>[Signature]</i>	PM (NRSWAP) INVOICE: <i>[Signature]</i>	CONTRACT No: NRW / CW	
DR. TEAM LEADER: <i>[Signature]</i>	A.S.M (PMD) INVOICE: <i>[Signature]</i>	DRG. No: RS/DMRP - 18	
TEAM LEADER: <i>[Signature]</i>	D.S.M (PMD) INVOICE: <i>[Signature]</i>		

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

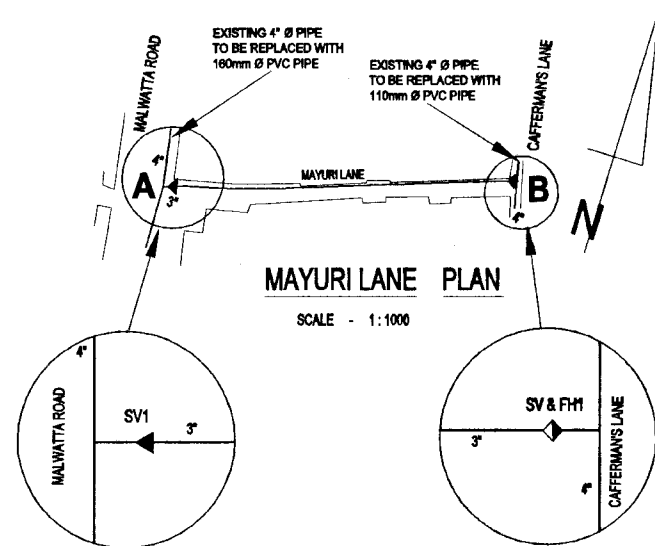
NIHON SUIDO CONSULTANTS CO. LTD.,
TOKYO, JAPAN



GROUND LEVEL (m)	5.00	5.00	5.10
INVERT LEVEL (m)	3.99	3.99	4.09
PIPE DETAILS	110mm Ø PVC		
CHAINAGE (m)	0.00	20.00	85.00
HORIZONTAL ANGLE (°)	4.25°		

PROPOSED LS ALONG MAYURI LANE

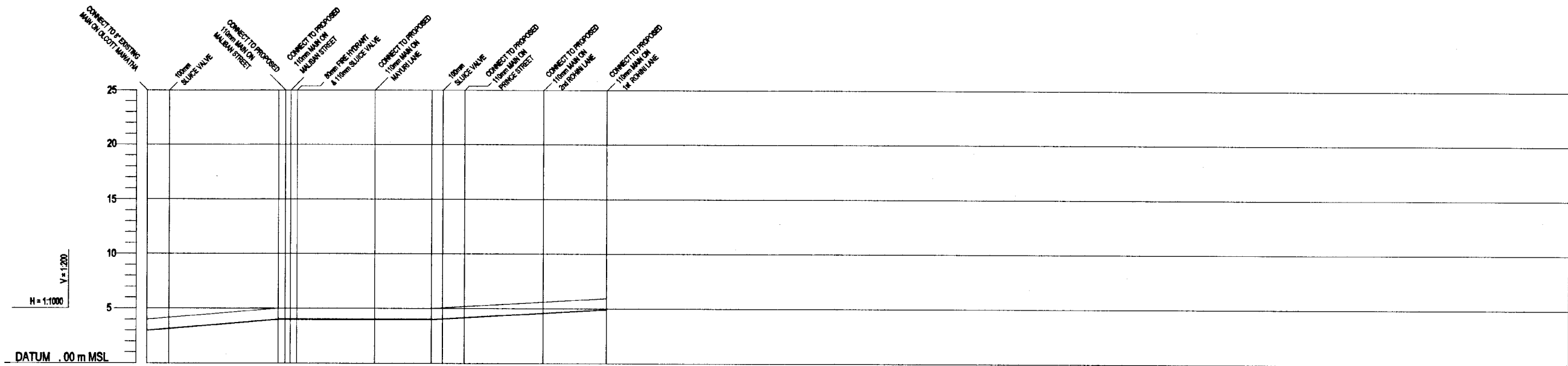
CHAINAGE 0.0 m - 100m



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

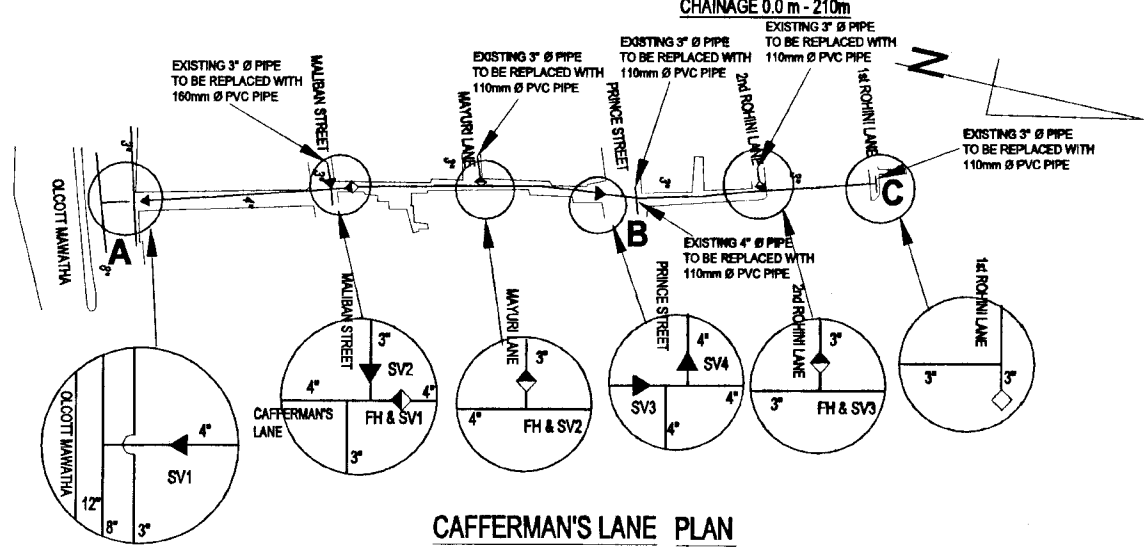
DO NOT SCALE

<p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p>	SUB PROJECT: SMALL DIAMETER IN CMC (CB1)	TITLE: PLAN & LONGITUDINAL SECTION MAYURI LANE	
	DESIGNED: [Signature]	DRYING: THARANGA	DATE: JAN. 2001
<p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM</p> <p>NIHON SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN</p>	CHECKED: [Signature]	CONTRACT NO.: NRW / CW	
	BY TEAM LEADER: [Signature]	A.G.M (PMD) INCHARGE: [Signature]	DRG. NO.: RS/DWRP - 19
	TEAM LEADER: [Signature]	D.O.M (PMD) INCHARGE:	



GROUND LEVEL (m)	4.00	5.00	5.00	5.04
INVERT LEVEL (m)	3.98	3.98	3.98	4.09
PIPE DETAILS	110mm Ø PVC			
CHAINAGE (m)	0.00	10.00	88.00	210.00
HORIZONTAL ANGLE (°)			11.25°	


PROPOSED LS ALONG CAFFERMAN'S LANE
CHAINAGE 0.0 m - 210m

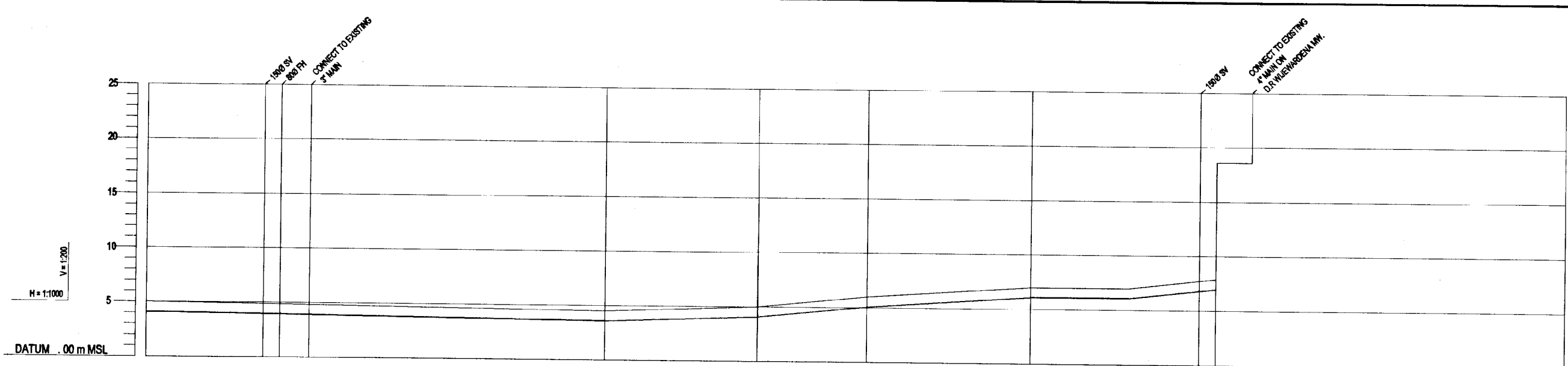


CAFFERMAN'S LANE PLAN
SCALE - 1:1000

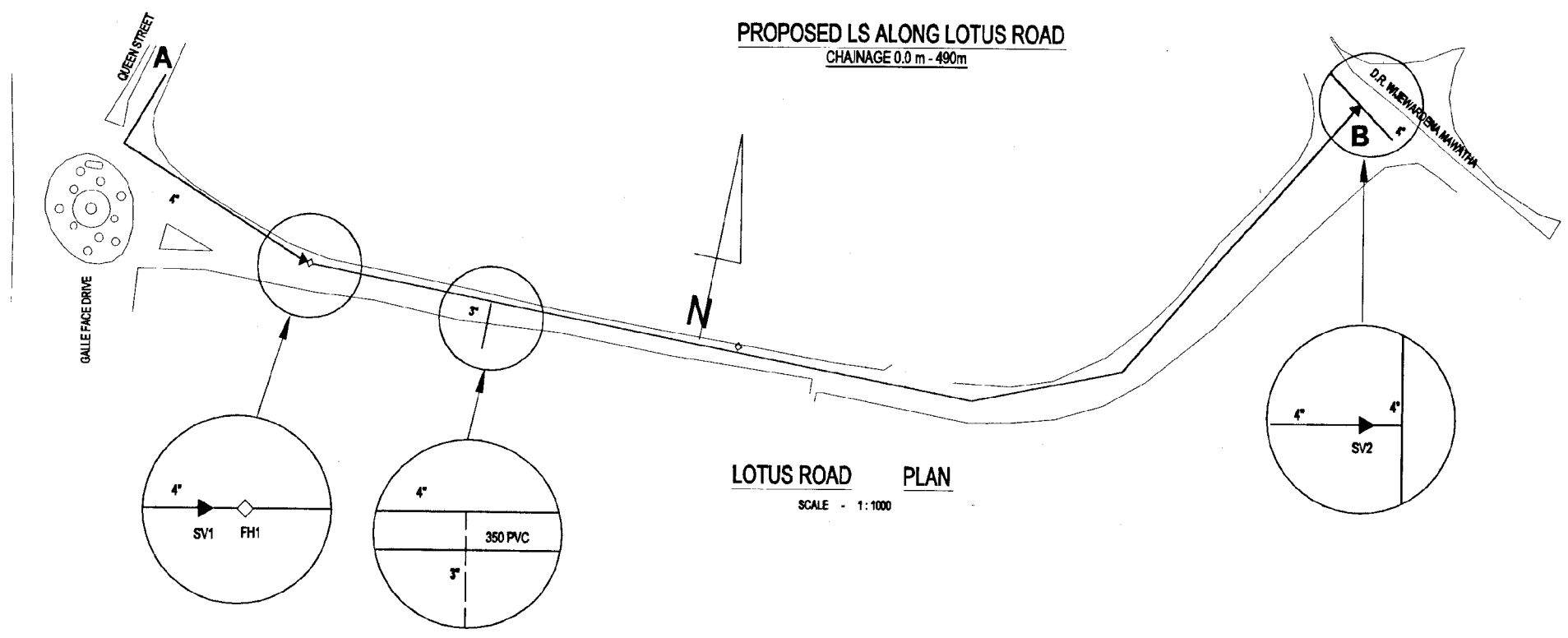
NOTE : AB - Existing 4"Ø pipe is replaced with 110mm Ø PVC pipe
BC - Existing 3"Ø pipe is replaced with 110mm Ø PVC pipe

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 CAFFERMAN'S LANE</p>
	<p>DESIGNED: [Signature]</p>	<p>DRAWN: THARANKA</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>DRAWING NO: RS/DM/RP - 20</p>



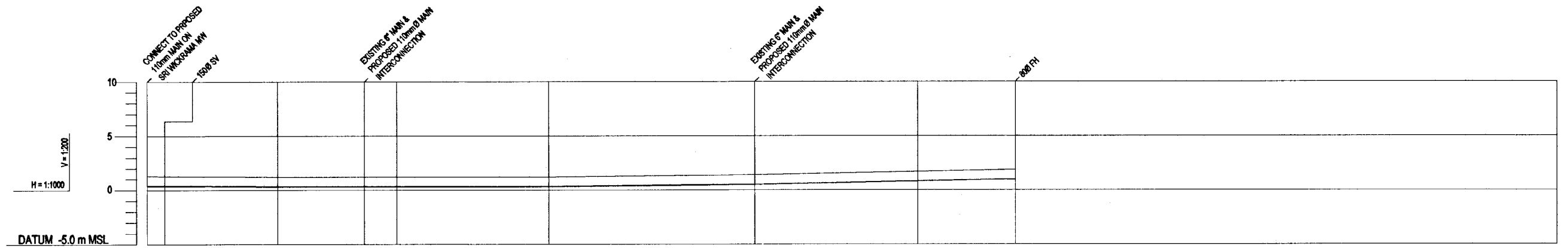
GROUND LEVEL (m)	5.00		4.50		5.00		6.00		7.00		7.00		7.88
INVERT LEVEL (m)	3.98		3.48		3.98		4.98		5.98		5.98		6.78
PIPE DETAILS	← 160Ø PVC →												
CHAINAGE (m)	0.00	23.00	61.00	70.78	210.00	280.00	280.00	330.00	341.00	405.00	450.00	490.00	
HORIZONTAL ANGLE (°)		90°		125°			45°		45°				



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

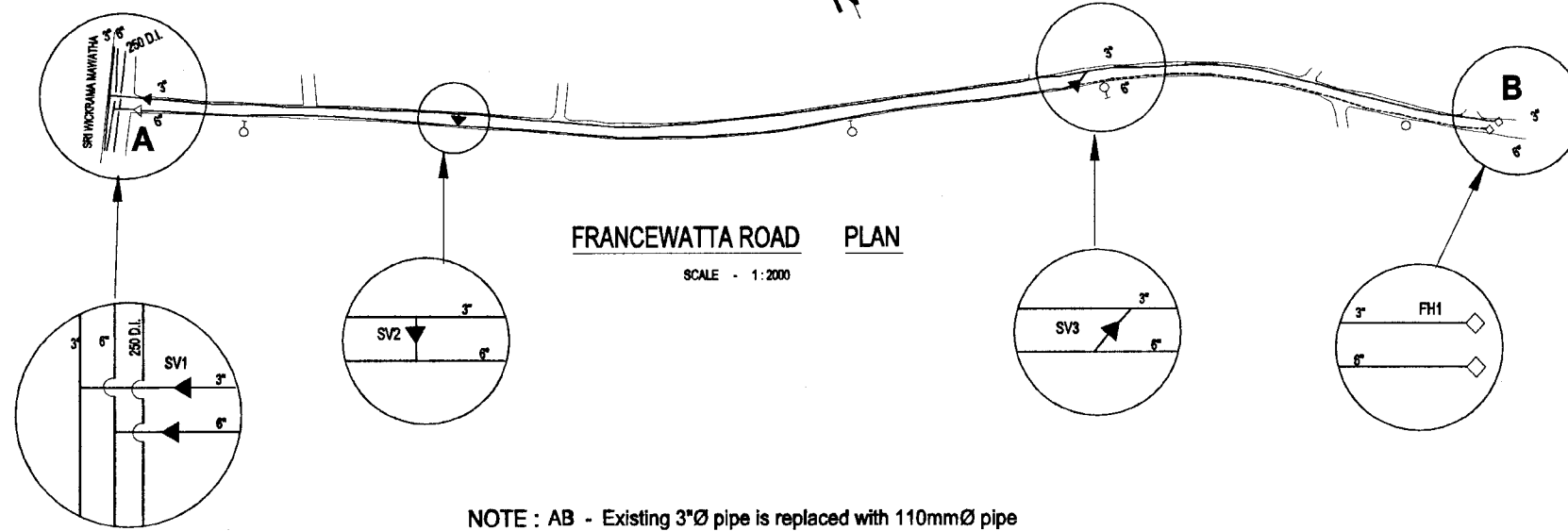
DO NOT SCALE

<p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p>	<p>SUB PROJECT: SMALL DIAMETER IN CMC (CB1)</p>	<p>TITLE: PLAN & LONGITUDINAL SECTION LOTUS ROAD</p>
	<p>DESIGNED: <i>[Signature]</i></p>	<p>DRAWN: THARANGA</p>
<p>CHECKED: <i>[Signature]</i></p>	<p>PIU OFFICIALS' INCHES: <i>[Signature]</i></p>	<p>CONTRACT NO: NRW / CW</p>
<p>BY TEAM LEADER: <i>[Signature]</i></p>	<p>A.S.M (P) NO: <i>[Signature]</i></p>	<p>DWG. NO: RS/DM/RP - 21</p>
<p>TEAM LEADER: <i>[Signature]</i></p>	<p>D.S.M (P) NO: <i>[Signature]</i></p>	
<p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM NIHON SUDO CONSULTANTS CO. LTD., TOKYO, JAPAN</p>		




HYDRAULIC GRID LEVEL (m)								
GROUND LEVEL (m)	1.30	1.20	1.20	1.20	1.40	1.70	1.90	
INVERT LEVEL (m)	0.40	0.30	0.30	0.30	0.50	0.80	0.10	
PIPE DETAILS	110mmØ							
CHAINAGE (m)	0.00	60.00	100.00	115.00	130.00	165.00	280.00	310.00
HORIZONTAL ANGLE (°)				22.54			22.54	

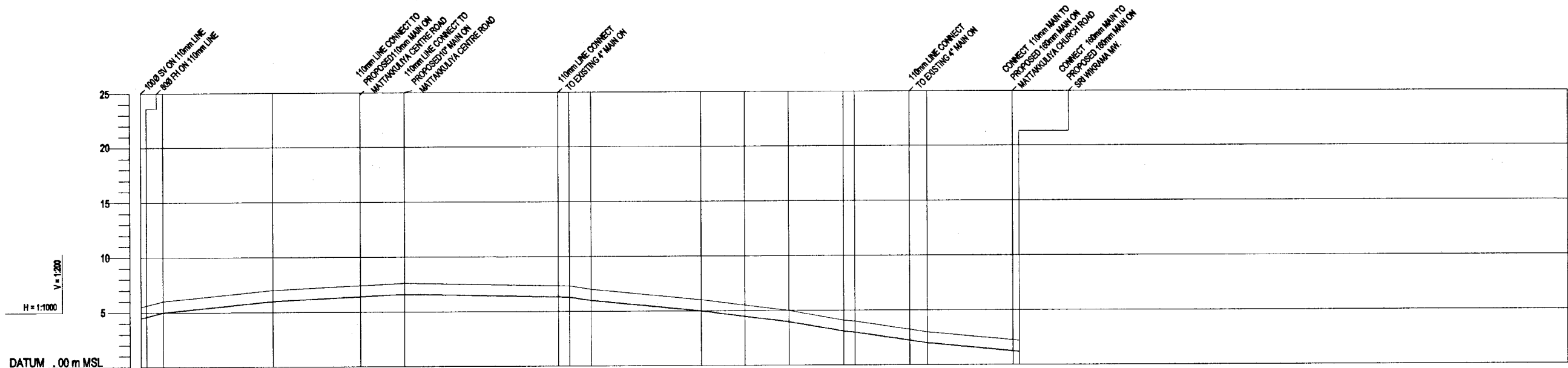
LS ALONG FRANCEWATTA ROAD
CHAINAGE 0.0 m - 400m



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

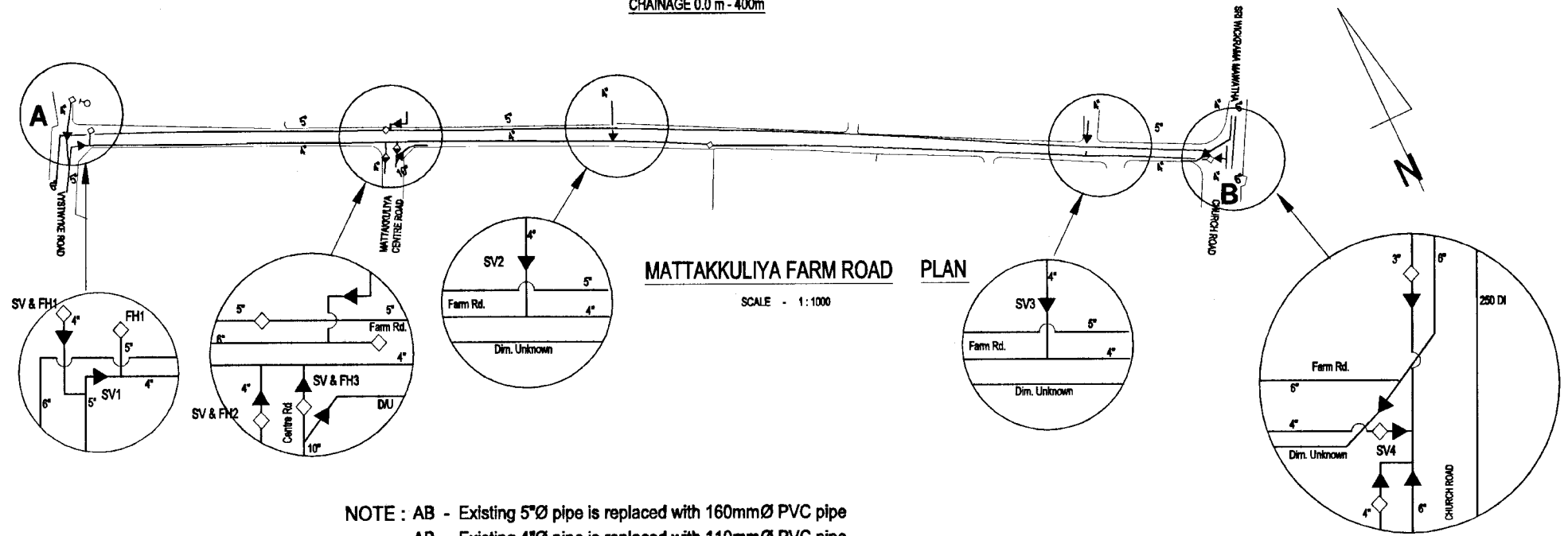
DO NOT SCALE

 <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 SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN</p>	<p>SUB PROJECT: SMALL DIAMETER IN CMC (CB1)</p>	<p>TITLE: PLAN & LONGITUDINAL SECTION FRANCEWATTA ROAD</p>	
	<p>DESIGNED: <i>[Signature]</i></p>	<p>DRAWN: THARANGA</p>	<p>DATE: JAN. 2001</p>
	<p>CHECKED: <i>[Signature]</i></p>	<p>PM (NWS&D) MANGA</p>	<p>CONTRACT No: NRW / CW</p>
	<p>DR. TEAM LEADER: <i>[Signature]</i></p>	<p>A.I.M (PM) INVSCOR: R. O. M. <i>[Signature]</i></p>	<p>DRG. No: RS/DM/RP - 23</p>



GROUND LEVEL (m)	5.50	6.00	7.00	7.50	7.30	7.00	6.00	5.50	5.00	4.10	4.00	3.00	2.19			
INVERT LEVEL (m)	4.48	4.98	5.99	6.99	6.20	5.99	4.99	4.49	3.99	3.09	2.99	1.99	1.18			
PIPE DETAILS																
CHAINAGE (m)	0.00	10.00	60.00	100.00	120.00	190.00	195.00	205.00	255.00	275.00	295.00	320.00	325.00	350.00	358.00	410.00
HORIZONTAL ANGLE (°)																

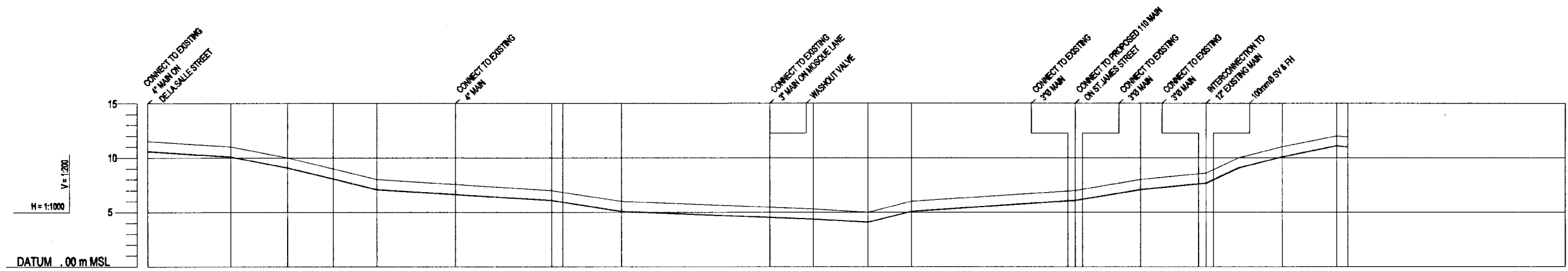
PROPOSED LS ALONG MATTAKKULIYA FARM ROAD
CHAINAGE 0.0 m - 400m



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

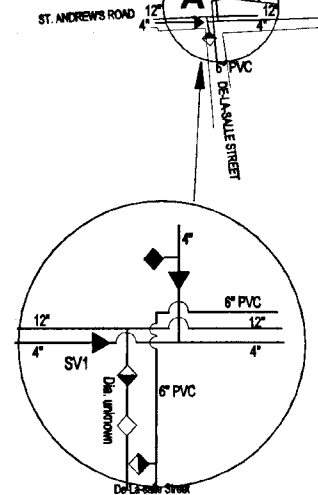
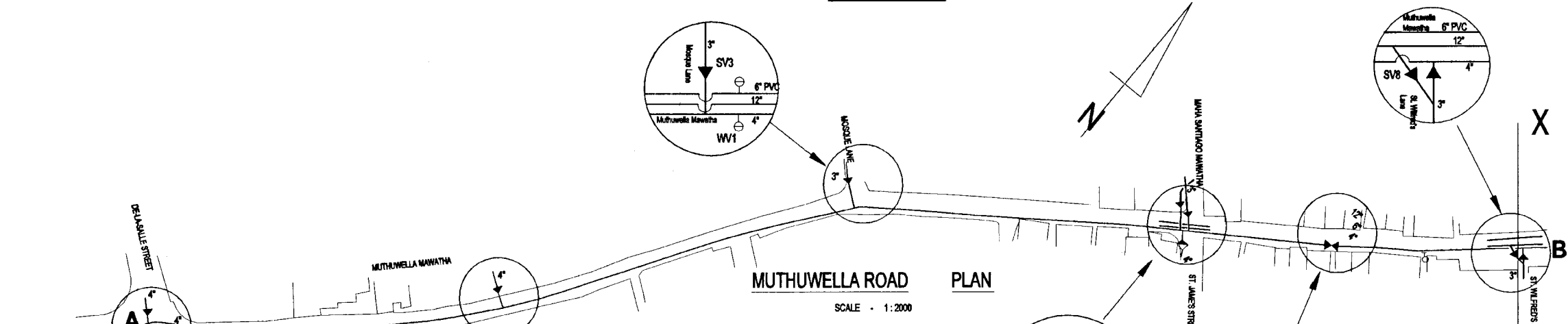
DO NOT SCALE	
REV	DESCRIPTION

 NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA	SUB PROJECT: SMALL DIAMETER IN CMC (CB1)		TITLE: PLAN & LONGITUDINAL SECTION MATTAKKULIYA FARM ROAD	
	DESIGNED:	DRAWN: THARANGA	DATE: JUN 2001	
	CHECKED:	FM (REVENUE) IN CHARGE:	CONTRACT No: NRW / CW	
	DR. TEAM LEADER:	A.G.M (P&E) IN CHARGE:	DRG. No: RS/DM/RP - 24	
	TEAM LEADER:	C.L.O (P&E) IN CHARGE:		



GROUND LEVEL (m)	11.50	11.00	10.00	9.00	8.00		7.00	6.00		5.30	5.00	6.00		7.00	8.00	8.60	10.00	11.00	12.00	11.90		
INVERT LEVEL (m)	10.71	10.21	9.21	8.21	7.21		6.21	5.21		4.51	4.21	5.51		6.21	7.21	7.21	9.21	10.21	11.21	11.11		
PIPE DETAILS	110mm Ø PVC																					
CHAINAGE (m)	0.00	38.00	84.00	85.00	105.00	115.00	141.00	185.00	190.00	217.00	275.00	286.00	305.00	330.00	350.00	425.00	455.00	485.00	500.00	520.00	545.00	550.00
HORIZONTAL ANGLE (°)					41.25						22						11.25					

PROPOSED LS ALONG MUTHUWELLA ROAD
CHAINAGE 0.0 m - 550m



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

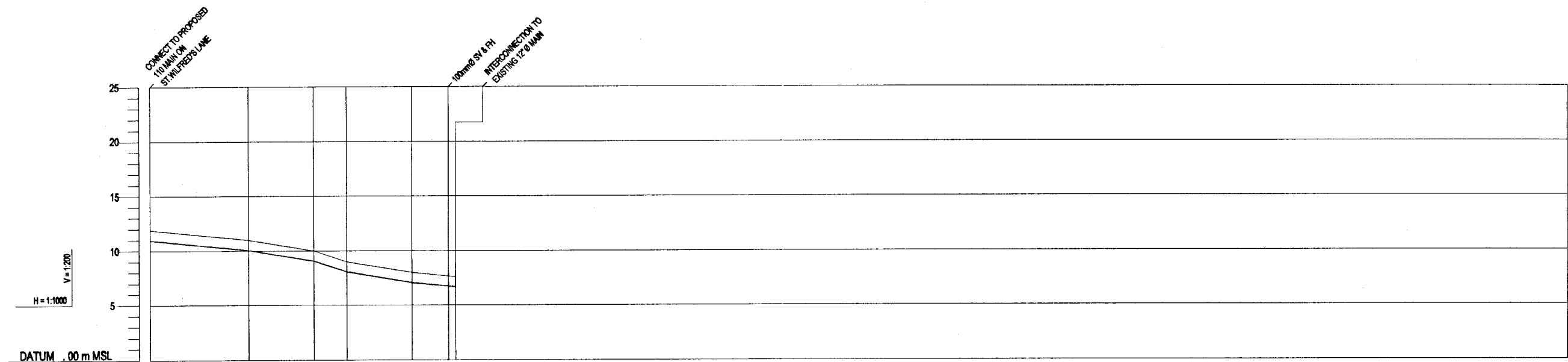
REV.		DESCRIPTION	
SUB PROJECT:		TITLE:	
SMALL DIAMETER IN CMC (CB1)		PLAN & LONGITUDINAL SECTION MUTHUWELLA MAWATHA	
DESIGNED:	DRAWN:	DATE:	
CHECKED:	PM (PROVISED) INCHARGE:	CONTRACT NO.:	

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

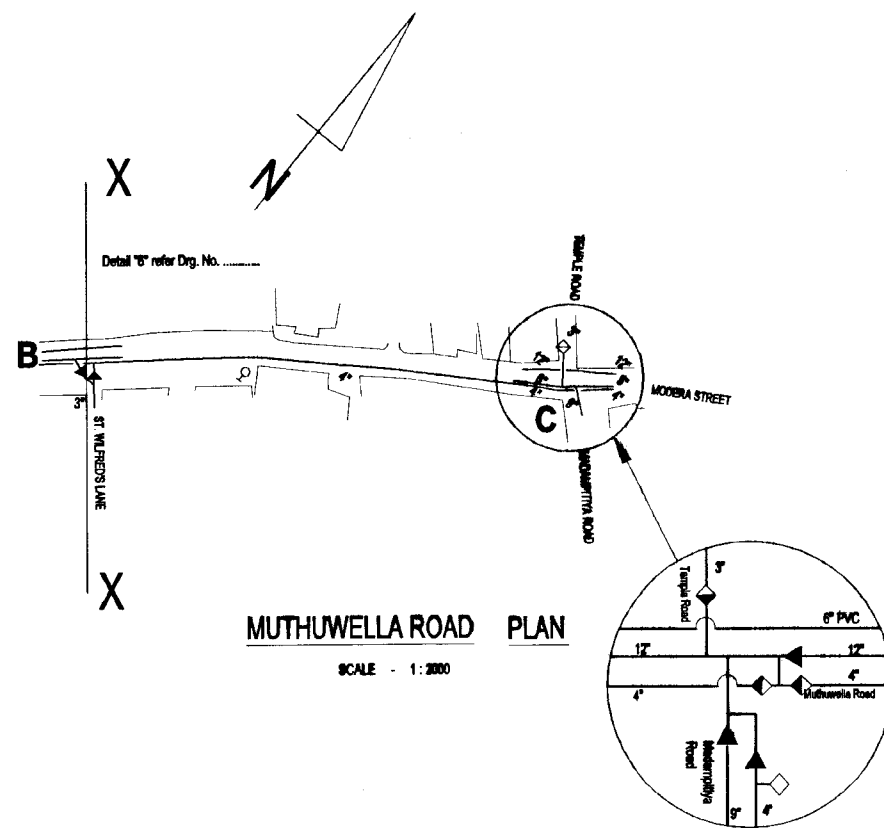
DO NOT SCALE



GROUND LEVEL (m)	11.30	11.00	10.00	9.00	8.00	7.80
INVERT LEVEL (m)	11.11	10.21	9.21	8.21	7.31	7.71
PIPE DETAILS	← 110mm Ø PVC →					
CHAINAGE (m)	550.00	565.00	580.00	595.00	610.00	690.00
HORIZONTAL ANGLE (°)						


PROPOSED LS ALONG MUTHUWELLA ROAD

CHAINAGE 550.0 m - 690m

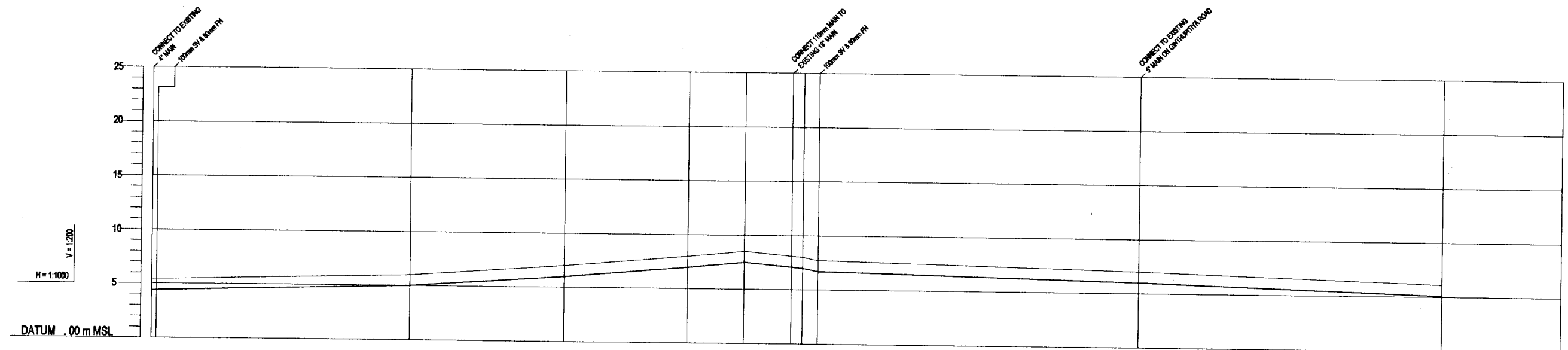


NOTE : BC - Existing 4" Ø pipe is replaced with 110mm Ø PVC pipe

DO NOT SCALE

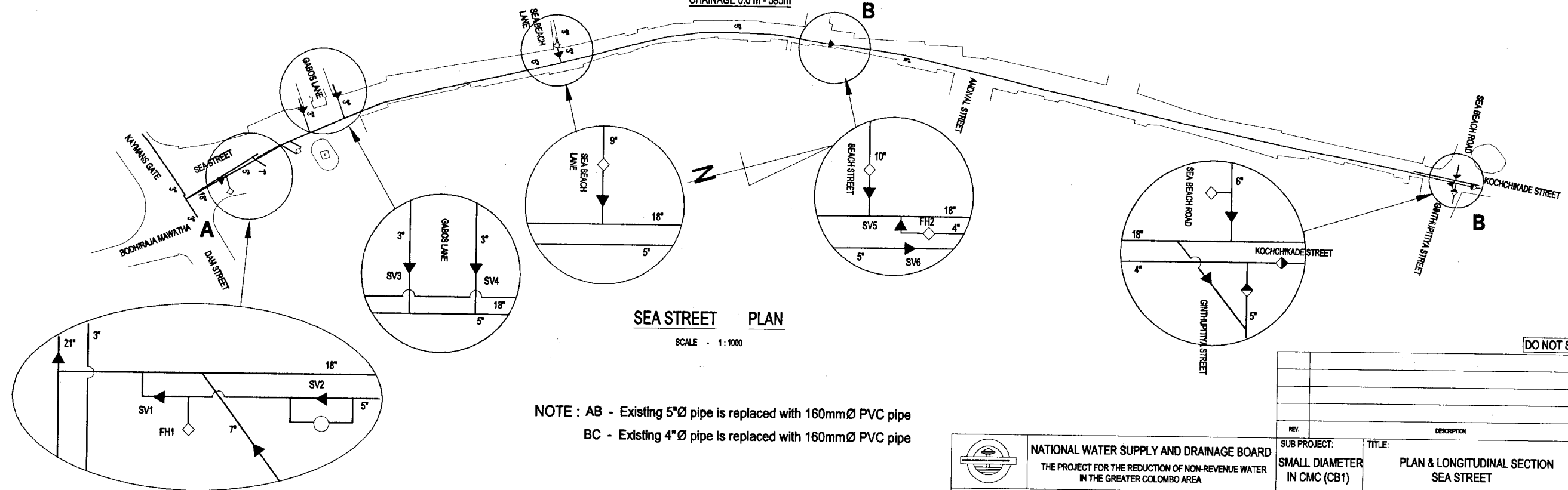
 <p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p>	<p>SUB PROJECT: SMALL DIAMETER IN CMC (CB1)</p>	<p>TITLE: PLAN & LONGITUDINAL SECTION MUTHUWELLA MAWATHA</p>
	<p>DESIGNED: <i>[Signature]</i></p>	<p>DRAWN: THARANGA</p>
<p>CHECKED: <i>[Signature]</i></p>	<p>PM (REVENUE) INCHARGE: <i>[Signature]</i></p>	<p>CONTRACT No: NRW / CW</p>
<p>BY TEAM LEADER: <i>[Signature]</i></p>	<p>A.S.M (PUB) INCHARGE: <i>[Signature]</i></p>	<p>CRD. No: RS/DM/RP - 26</p>
<p>TEAM LEADER: <i>[Signature]</i></p>	<p>D.S.M (PUB) INCHARGE:</p>	

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



GROUND LEVEL (m)	5.40	6.00	7.00	8.00	8.50	8.00	7.70	7.00	6.11	
INVERT LEVEL (m)	4.34	4.94	5.94	6.94	7.44	6.99	6.99	5.99	5.10	
PIPE DETAILS	160mm Ø PVC						110mm Ø PVC			
CHAINAGE (m)	0.00	119.00	190.00	247.00	273.00	295.00	307.00	455.00	595.00	
HORIZONTAL ANGLE (°)				11.25°						

PROPOSED LS ALONG SEA STREET
CHAINAGE 0.0 m - 595m

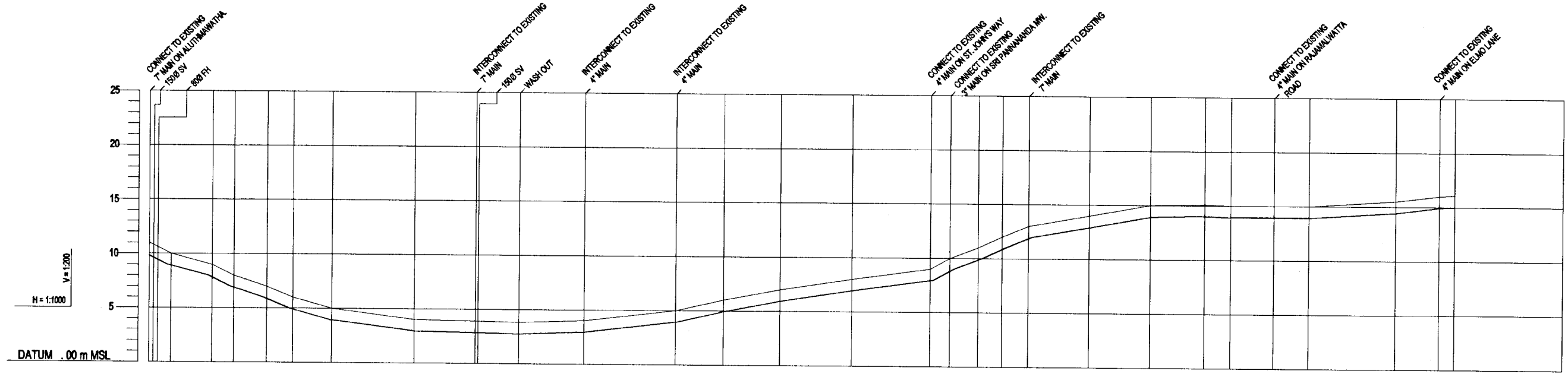


SEA STREET PLAN
SCALE - 1:1000

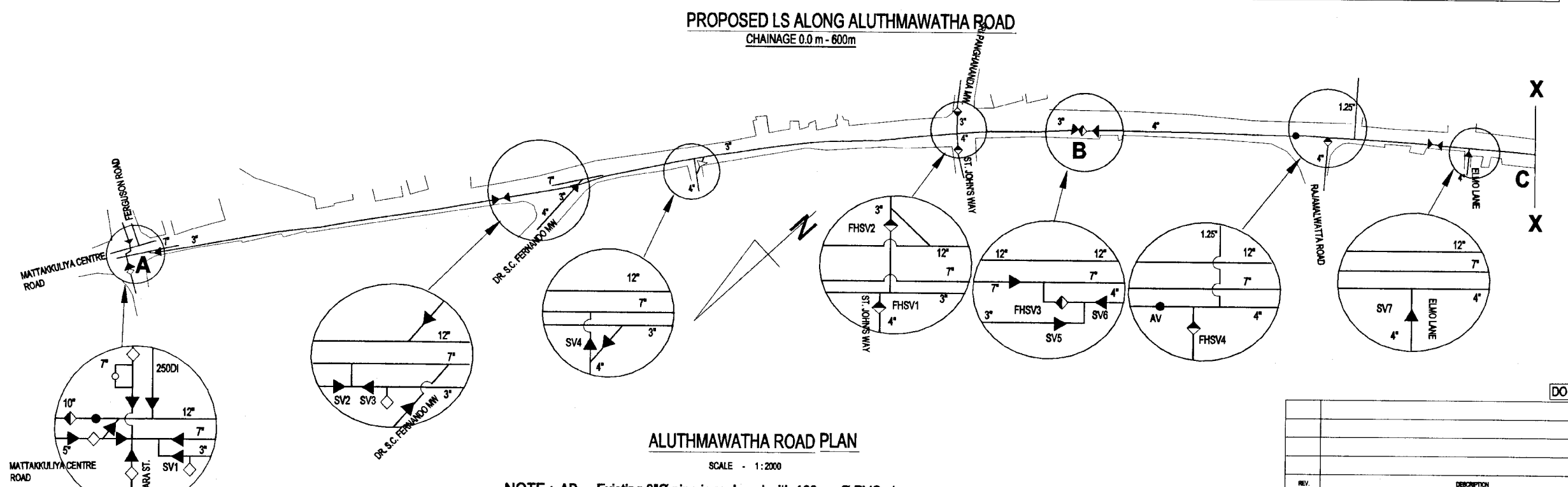
NOTE : AB - Existing 5"Ø pipe is replaced with 160mmØ PVC pipe
BC - Existing 4"Ø pipe is replaced with 160mmØ PVC pipe

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> <p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM</p> <p>NIHON SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN</p>	<p>REV. DESCRIPTION</p>	<p>SUB PROJECT: SMALL DIAMETER IN CMC (CB1)</p>	<p>TITLE: PLAN & LONGITUDINAL SECTION SEA STREET</p>
	<p>DESIGNED: <i>[Signature]</i></p>	<p>DRAWN: THARANGA</p>	<p>DATE: JAN. 2001</p>
	<p>CHECKED: <i>[Signature]</i></p>	<p>PM (P/MS/PS) INCHARGE: <i>[Signature]</i></p>	<p>CONTRACT NO: NRW / CW</p>
	<p>BY TEAM LEADER: <i>[Signature]</i></p>	<p>A&M (P/MS) INCHARGE: <i>[Signature]</i></p>	<p>DRG. NO.: RSDMRP - 27</p>

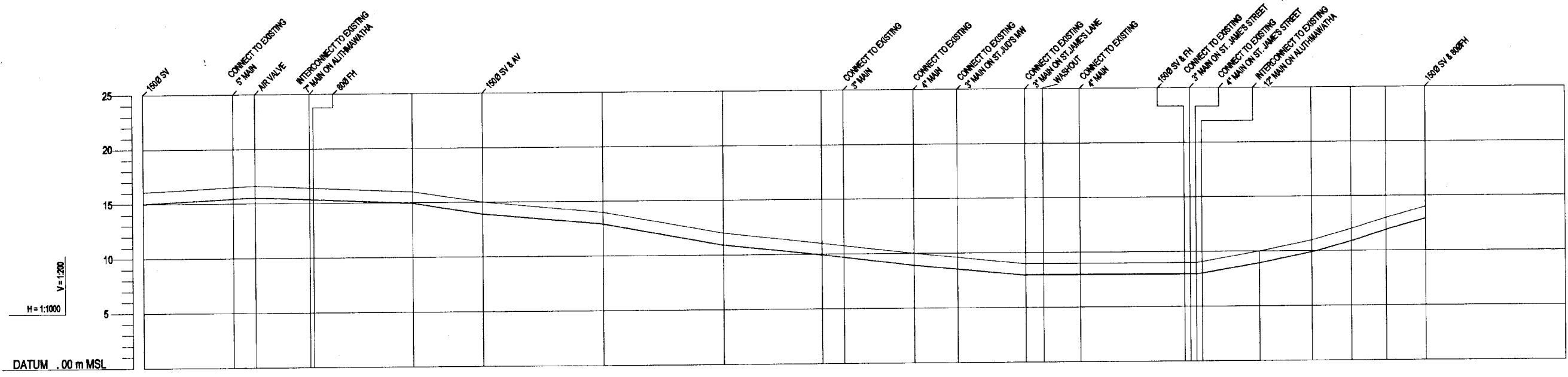


GROUND LEVEL (m)	11.00	10.00	9.00	8.00	7.00	6.00	5.00	4.00	3.80	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00	15.00	15.10	15.00	15.00	15.50	15.50	16.07																																		
INVERT LEVEL (m)	8.94	8.94	7.94	6.94	5.94	4.94	3.94	2.94	2.74	2.94	3.94	4.94	5.94	6.94	7.94	8.94	9.94	10.94	11.94	12.94	13.94	14.04	13.94	13.94	13.94	14.44	14.44	15.01																																	
PIPE DETAILS	160mm Ø PVC																																																												
CHAINAGE (m)	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00	110.00	120.00	130.00	140.00	150.00	160.00	170.00	180.00	190.00	200.00	210.00	220.00	230.00	240.00	250.00	260.00	270.00	280.00	290.00	300.00	310.00	320.00	330.00	340.00	350.00	360.00	370.00	380.00	390.00	400.00	410.00	420.00	430.00	440.00	450.00	460.00	470.00	480.00	490.00	500.00	510.00	520.00	530.00	540.00	550.00	560.00	570.00	580.00	590.00	600.00
HORIZONTAL ANGLE (°)																																																													



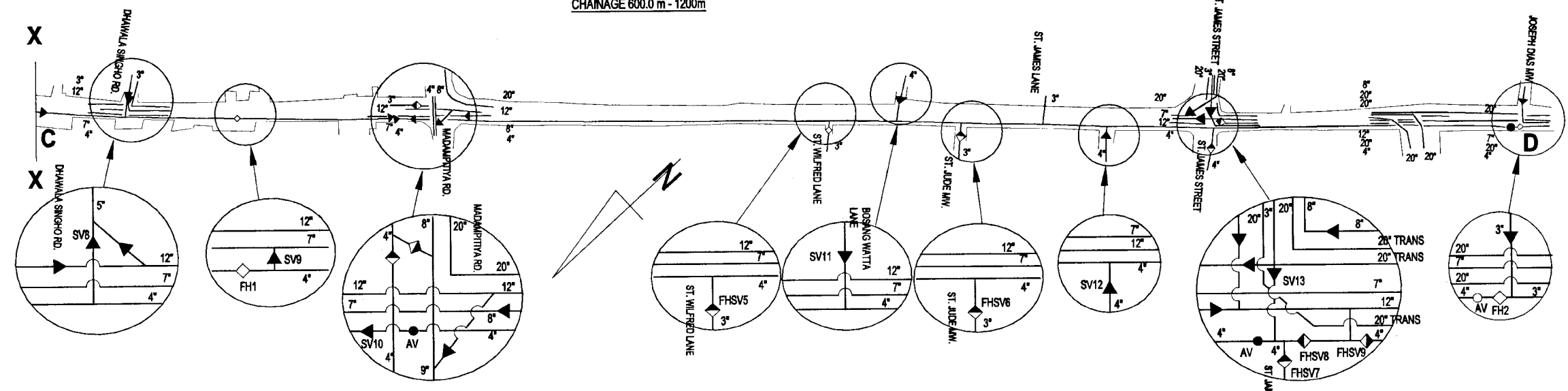
DO NOT SCALE

<p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p>	<p>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/RP - 28</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/RP - 28</p>



GROUND LEVEL (m)	16.07		16.80		16.00		15.00		14.00		12.00		11.00		10.00		9.00		9.00		10.00		11.00		12.00		13.00		14.00						
INVERT LEVEL (m)	15.01		15.54		14.94		13.94		12.94		10.94		9.94		8.94		7.94		7.94		8.94		8.94		10.94		11.94		12.94						
PIPE DETAILS	160mm Ø PVC																																		
CHAINAGE (m)	600.00		641.00		681.00		723.00		755.00		810.00		865.00		910.00		920.00		962.00		972.00		1003.00		1028.00		1081.00		1110.00		1134.00		1162.00		1186.00
HORIZONTAL ANGLE (°)																																			

PROPOSED LS ALONG ALUTHMAWATHA ROAD
CHAINAGE 600.0 m - 1200m



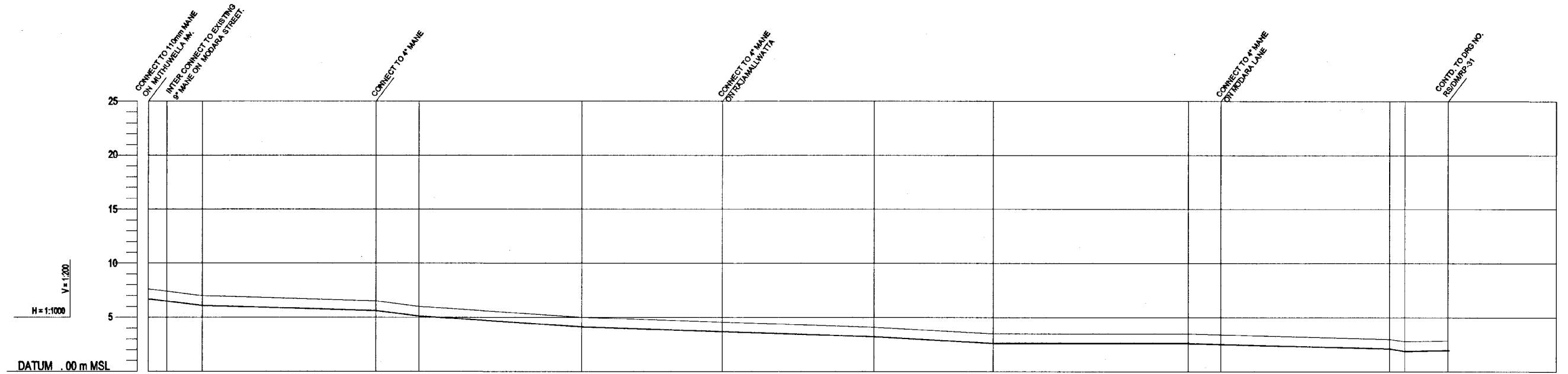
ALUTHMAWATHA ROAD PLAN

SCALE - 1:1000

NOTE : CD - Existing 4"Ø pipe is replaced with 160mmØ PVC pipe

DO NOT SCALE

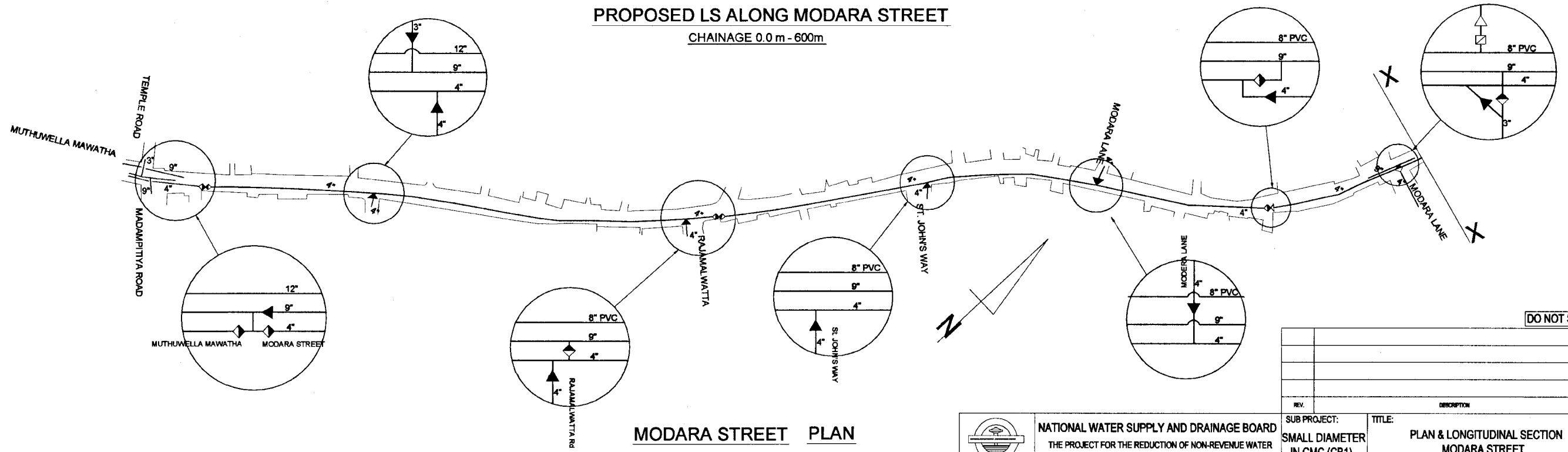
<p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p> <p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM</p> <p>NIHON SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN</p>	<p>SUB PROJECT: SMALL DIAMETER IN CMC (CB1)</p>	<p>TITLE: PLAN & LONGITUDINAL SECTION ALUTHMAWATHA ROAD SHEET 2 OF 2</p>	
	<p>DESIGNED: <i>[Signature]</i></p>	<p>DRAWN: THARANGA</p>	<p>DATE: JAN. 2001</p>
	<p>CHECKED: <i>[Signature]</i></p>	<p>PM (NWS&D) INCHARGE: <i>[Signature]</i></p>	<p>CONTRACT No.: NRW / CW</p>
	<p>BY TEAM LEADER: <i>[Signature]</i></p>	<p>A.S.M (P&D) INCHARGE: R. P. <i>[Signature]</i></p>	<p>ENR. No.: RS/DM/RP - 29</p>



GROUND LEVEL (m)	7.00	7.00	6.50	6.00	5.00	4.10	3.50	3.50	3.00	2.80	2.80	
INVERT LEVEL (m)	6.99	6.99	4.49	4.99	3.99	3.09	2.49	2.49	1.99	1.79	1.85	
PIPE DETAILS	110mm Ø PVC											
CHAINAGE (m)	0.00	25.00	105.00	125.00	200.00	335.00	390.00	410.00	480.00 483.70	533.60	573.00 590.00	600.00
HORIZONTAL ANGLE (°)	11.25											

PROPOSED LS ALONG MODARA STREET

CHAINAGE 0.0 m - 600m



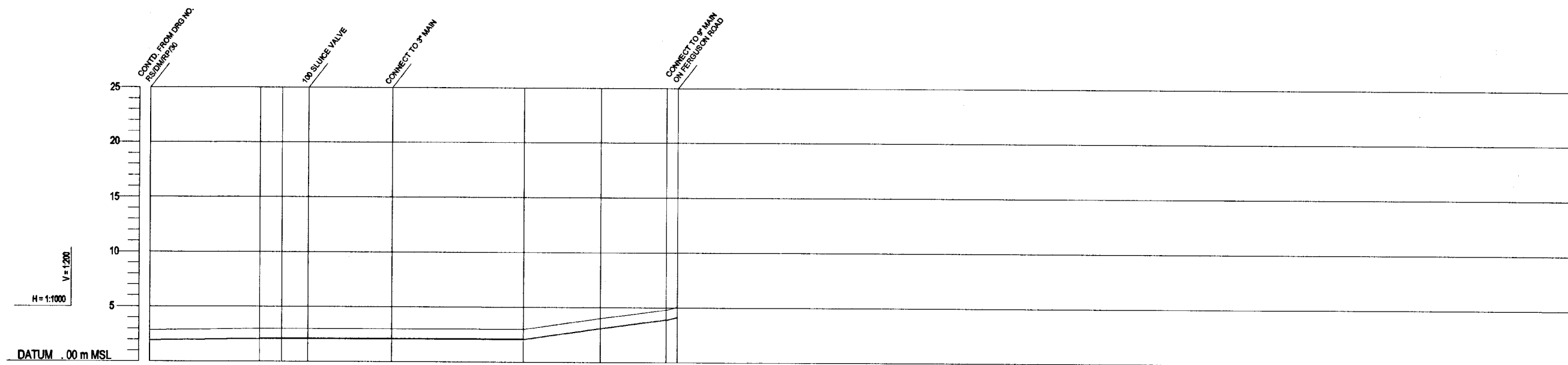
MODARA STREET PLAN

SCALE - 1:2000

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

DO NOT SCALE

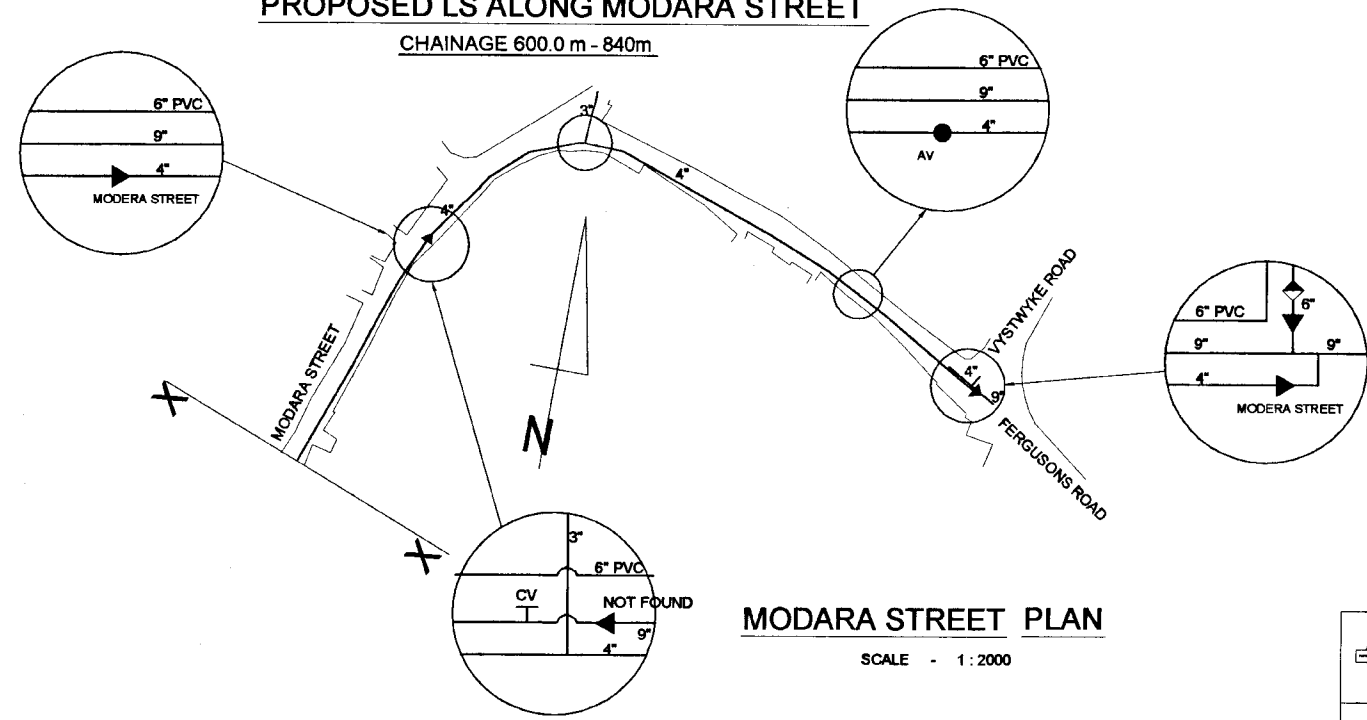
<p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p>	SUB PROJECT: SMALL DIAMETER IN CMC (CB1)		TITLE: PLAN & LONGITUDINAL SECTION MODARA STREET	
	DESIGNED: [Signature]		DRAWN: THARANGA	
CHECKED: [Signature]		IN CHARGE: [Signature]		DATE: JAN. 2001
DR. TEAM LEADER: [Signature]		A.G.M (P&I) INCHARGE: [Signature]		CONTRACT No: NRW / CW
TEAM LEADER: [Signature]		D.G.M (P&I) INCHARGE:		DRG No: RS/DWRP - 30



GROUND LEVEL (m)	2.98	3.00	3.00	3.00	3.00	3.00	4.00	4.80	5.04
INVERT LEVEL (m)	1.98	2.10	2.10	2.10	2.10	2.10	3.10	3.90	4.14
PIPE DETAILS	110mm Ø PVC								
CHAINAGE (m)	600.00	650.00	672.00	676.94	688.42	710.00	770.00	805.00	840.00
HORIZONTAL ANGLE (°)		22.5	22.5	22.5					

PROPOSED LS ALONG MODARA STREET

CHAINAGE 600.0 m - 840m




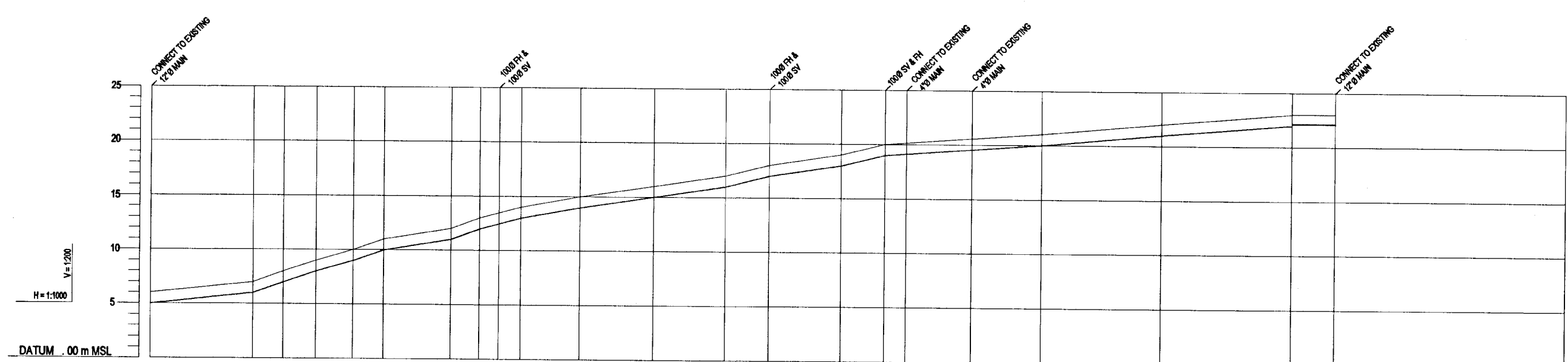
MODARA STREET PLAN

SCALE - 1 : 2000

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

DO NOT SCALE

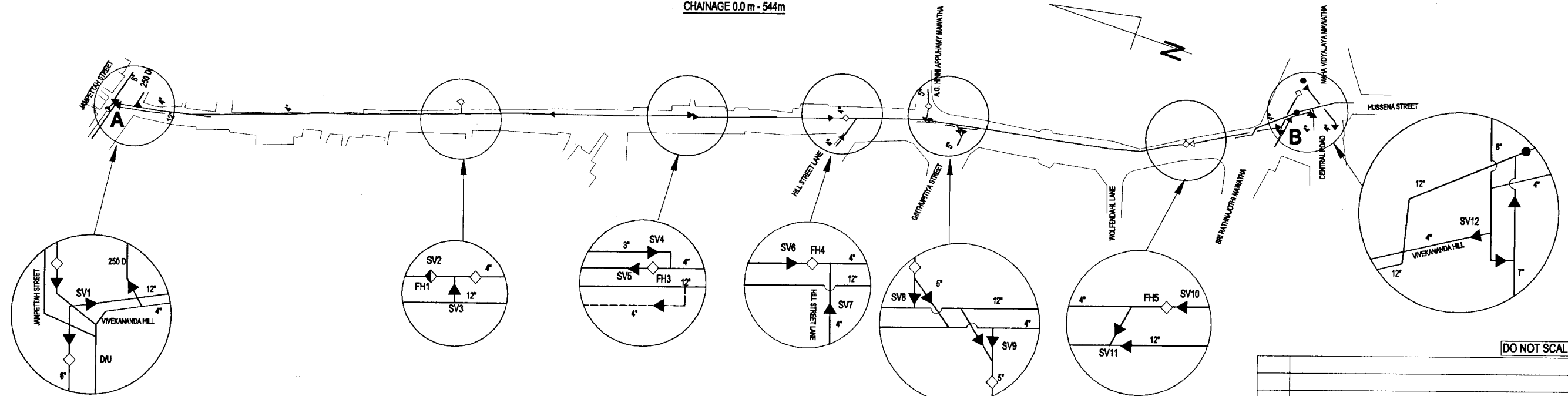
 <p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p>	SUB PROJECT: SMALL DIAMETER IN CMC (CB1)		TITLE: PLAN & LONGITUDINAL SECTION MODARA STREET SHEET 2 OF 2	
	DESIGNER: <i>[Signature]</i>	DRAWN: THARANGA	DATE: JAN. 2001	
	CHECKED: <i>[Signature]</i>	P.I. (NRS/SPS) INCHG: <i>[Signature]</i>	CONTRACT No: NRW / CW	
	BY: TEAM LEADER: <i>[Signature]</i>	A.G.M (P&D) INCHG: <i>[Signature]</i>	DRG. No: RS/DM/RP - 31	
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM NIHON SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN		D.G.M (P&D) INCHG: <i>[Signature]</i>		



GROUND LEVEL (m)	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00	18.00	19.00	20.00	21.00	22.00	23.00	23.00			
INVERT LEVEL (m)	4.98	5.99	6.99	7.99	8.99	9.99	10.99	11.99	12.99	13.99	14.99	15.99	16.99	17.99	18.99	19.99	20.99	21.99	21.99			
PIPE DETAILS	110mm Ø PVC																					
CHAINAGE (m)	377.00	47.00	61.00	78.00	93.00	107.00	138.00	151.00	160.00	170.00	197.00	231.00	284.00	284.00	317.00	337.00	341.00	377.00	468.00	464.00	524.00	544.00
HORIZONTAL ANGLE (°)	2.25																					

PROPOSED LS ALONG VIVEKANANDA HILL

CHAINAGE 0.0 m - 544m



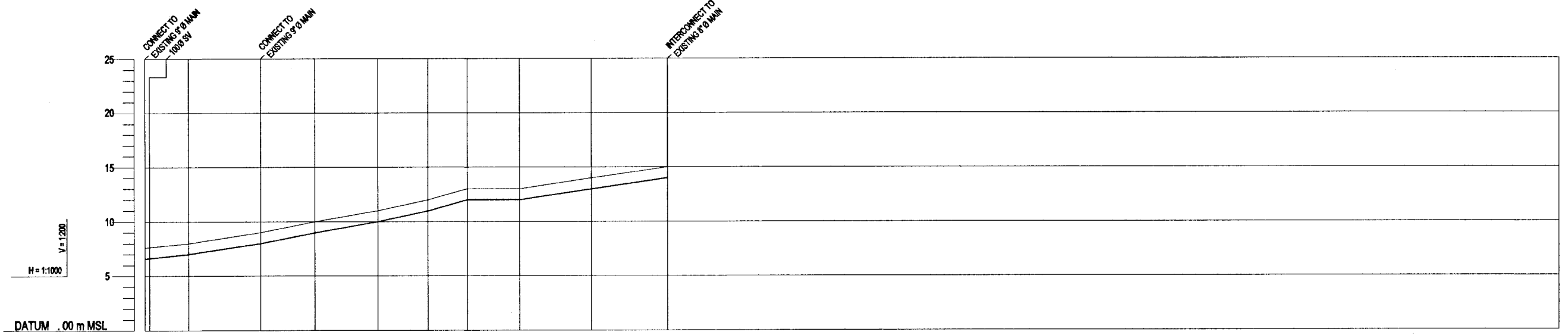
VIVEKANANDA HILL PLAN

SCALE - 1:1000

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

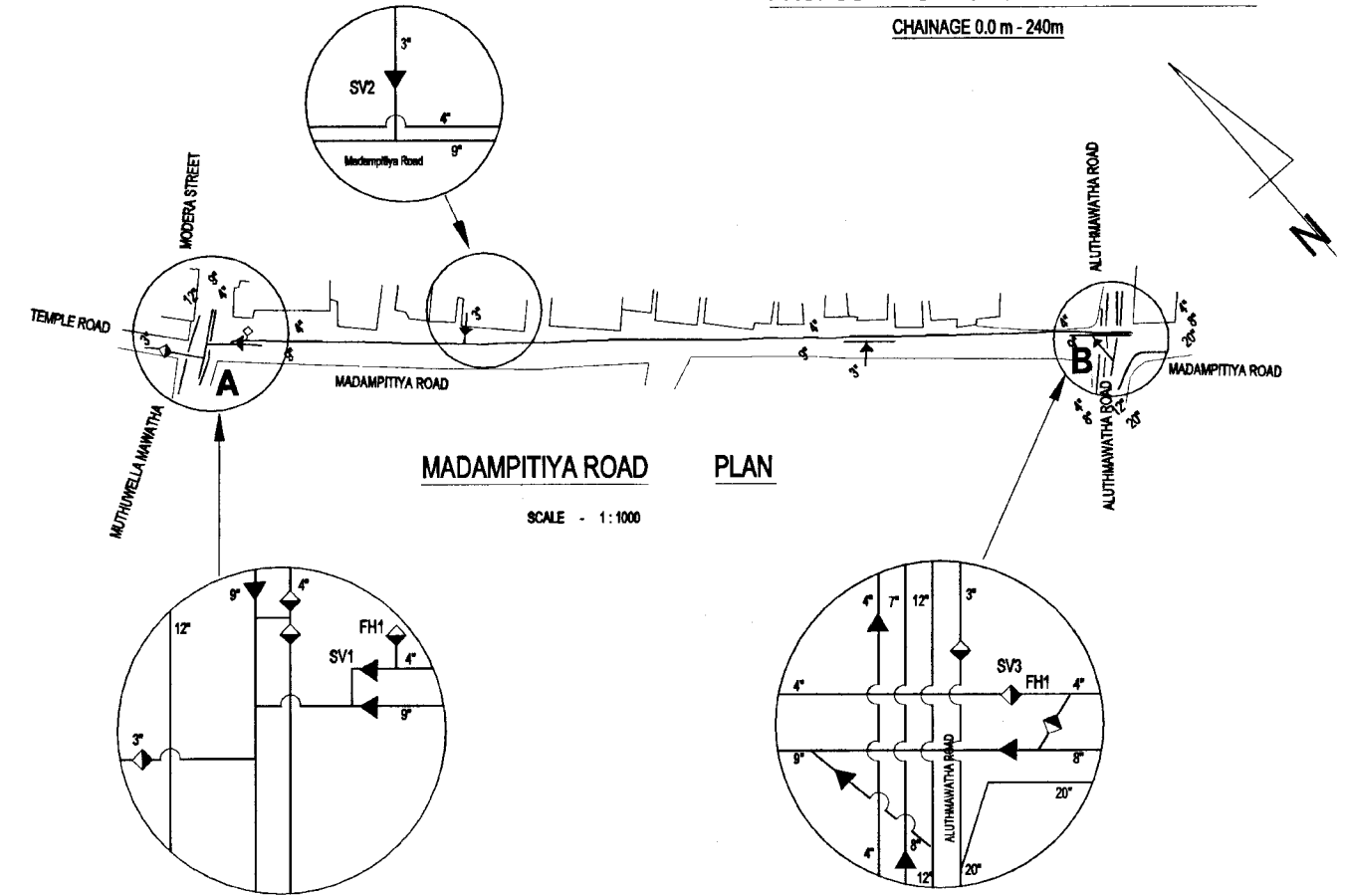
DO NOT SCALE

 NATIONAL WATER SUPPLY AND DRAINAGE BOARD 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 VIVEKANANDA HILL
	DESIGNED: <i>[Signature]</i> CHECKED: <i>[Signature]</i> DR. TEAM LEADER: <i>[Signature]</i> TEAM LEADER: <i>[Signature]</i>	DRAWN: THARANGA P.W. (PWS&PS) INSPER: <i>[Signature]</i> A.S.M (P&D) INSPER: <i>[Signature]</i> D.O. (P&D) INSPER: <i>[Signature]</i>



GROUND LEVEL (m)	7.80	8.00	9.00	10.00	11.00	12.00	13.10	13.00	14.00	15.00
INVERT LEVEL (m)	6.50	6.90	7.90	8.90	9.90	10.90	12.00	11.90	12.90	13.90
PIPE DETAILS	← 100mm Ø PVC →									
CHAINAGE (m)	0.00	20.00	50.00	76.00	107.00	130.00	148.00	172.00	206.00	240.00
HORIZONTAL ANGLE (°)										

PROPOSED LS ALONG MADAMPITIYA ROAD
CHAINAGE 0.0 m - 240m

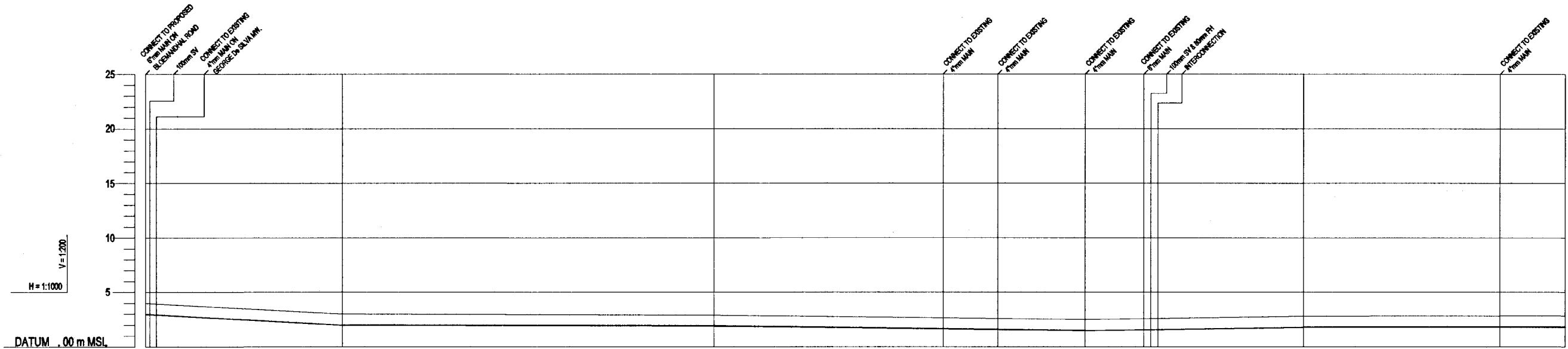


MADAMPITIYA ROAD PLAN
SCALE - 1:1000

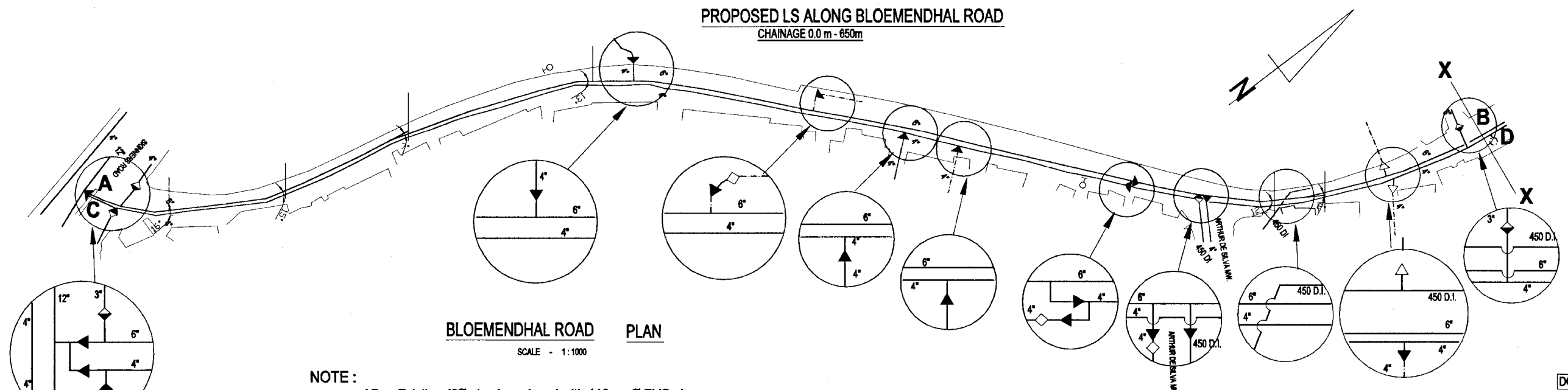
NOTE : AB - Existing 4"Ø pipe is replaced with 110mmØ PVC pipe

DO NOT SCALE

 NATIONAL WATER SUPPLY AND DRAINAGE BOARD 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 MADAMPITIYA ROAD	
	DESIGNED: <i>[Signature]</i>	DRAWN: THARANGA	DATE: JAN. 2001	
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM		CHECKED: <i>[Signature]</i>	PI (NRWSAP) INCH: <i>[Signature]</i>	CONTRACT No: NRW / CW
NIHON SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN		DR. TEAM LEADER: <i>[Signature]</i>	A.G.M (PWS) INCH: <i>[Signature]</i>	DRG. No: RS/DMRP - 33
		TEAM LEADER: <i>[Signature]</i>	C.G.M (PWS) INCH:	



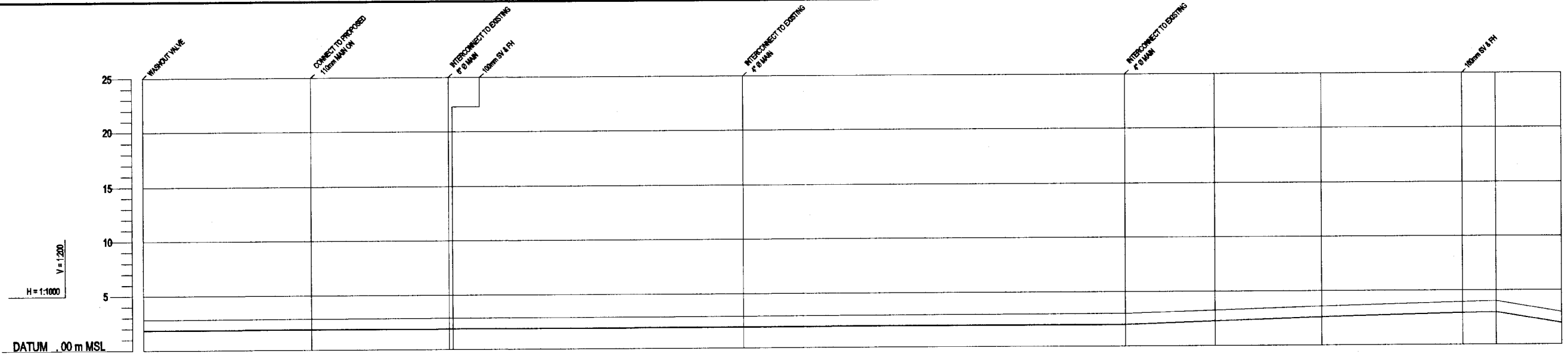
GROUND LEVEL (m)	4.00		3.00		2.90		2.90		2.50		2.50		2.80		2.84
INVERT LEVEL (m)	2.99		1.99		1.99		1.49		1.49		1.79		1.83		1.83
PIPE DETAILS	110mm Ø PVC														
CHAINAGE (m)	0.00	31.30	81.7	90.00		200.00	365.00	400.00	430.00	480.00		530.00		620.00	650.00
HORIZONTAL ANGLE (°)		11.25	11.25		11.25							11.25			



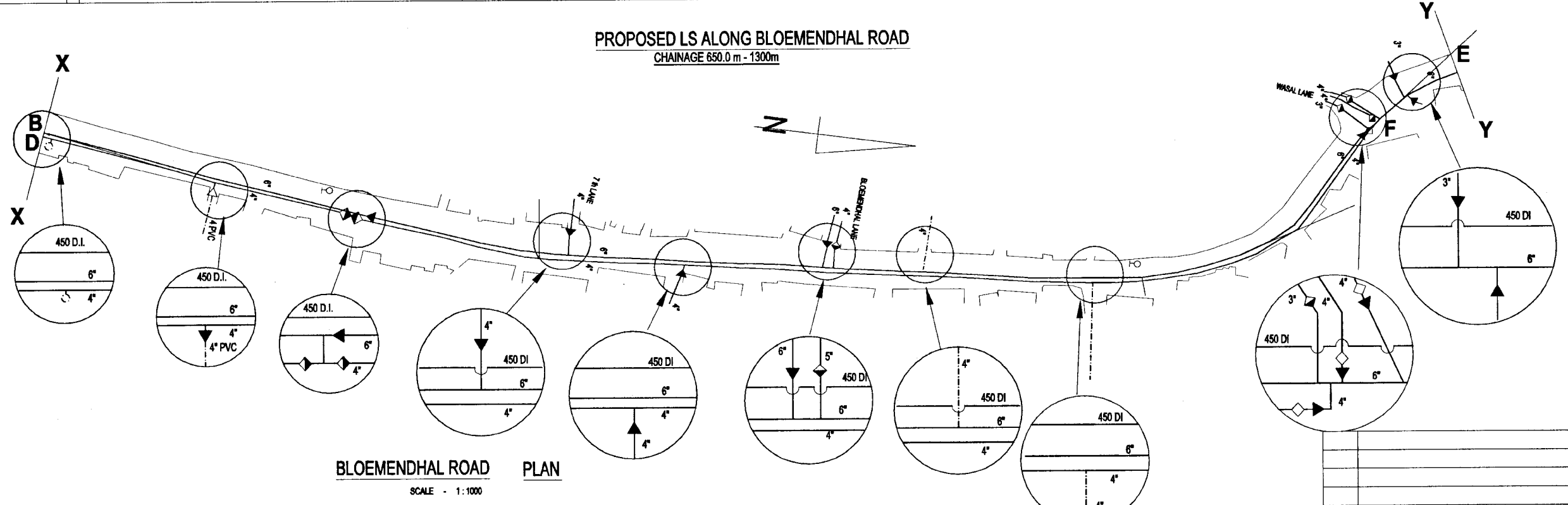
NOTE :
AB - Existing 4"Ø pipe is replaced with 110mmØ PVC pipe

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>	SUB PROJECT: SMALL DIAMETER IN CMC (CB1)		TITLE: PLAN & LONGITUDINAL SECTION BLOEMENDHAL ROAD	
	DESIGNED: [Signature]		DRAWN: THARANGA	DATE: JAN. 2001
	CHECKED: [Signature]		PA (NRWSAPS) INCHG: [Signature]	CONTRACT No: NRW / CW
<p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM</p> <p>NIHON SUDO CONSULTANTS CO. LTD., TOKYO, JAPAN</p>		DR. TEAM LEADER: [Signature]	A.S.M (PMS) INCHG: R. D. A.	DRG. No: RS/DWRP - 34
		TEAM LEADER: [Signature]	D.C.M (PMS) INCHG:	



GROUND LEVEL (m)	2.94				3.00				3.00
INVERT LEVEL (m)	1.83				1.99			2.99	1.99
PIPE DETAILS	110mm Ø PVC								
CHAINAGE (m)	650	727	790	825	1080	1100.00	1141	1190.00	1250.00
HORIZONTAL ANGLE (°)					1.25°		1.25°		

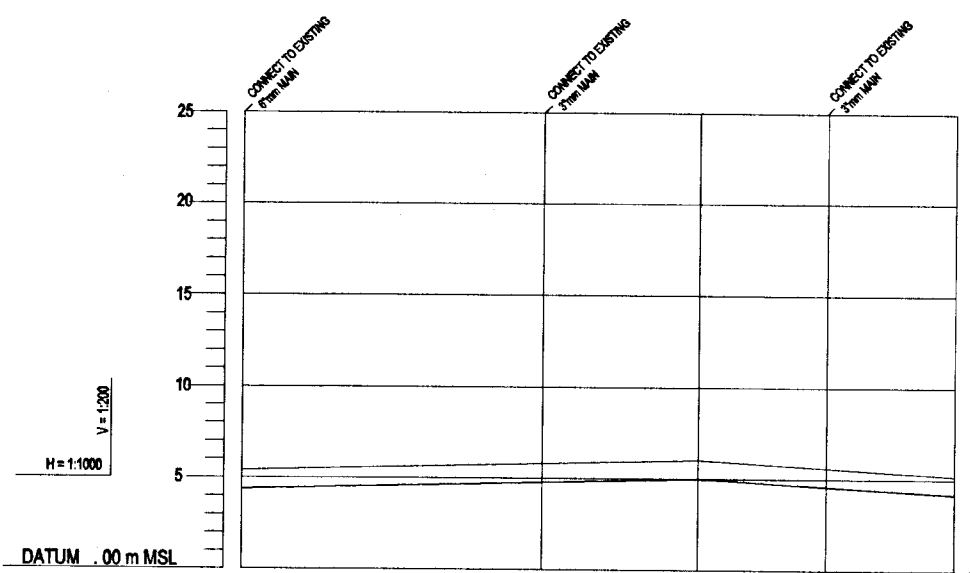


NOTE : Existing 4"Ø pipe is replaced with 110mmØ PVC pipe

BLOEMENDHAL ROAD PLAN
SCALE - 1:1000

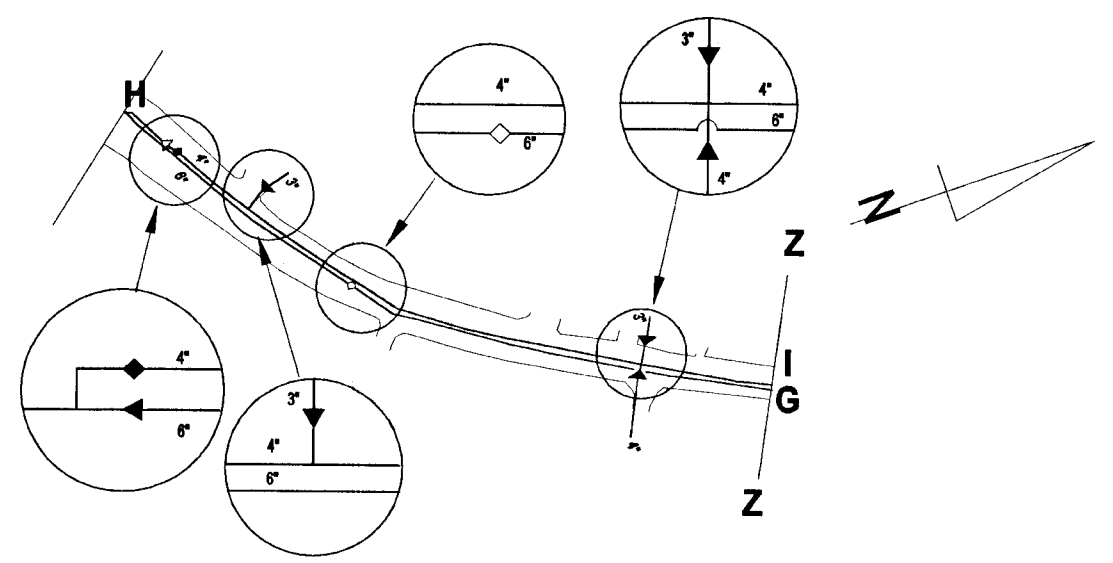
DO NOT SCALE

<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 2 OF 4</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 SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN</p>	<p>DR. TEAM LEADER: [Signature]</p>	<p>DRG. NO: RS/DM/RP - 35</p>



GROUND LEVEL (m)	5.40	5.00	5.18
INVERT LEVEL (m)	4.39	4.98	4.17
PIPE DETAILS	110mm Ø PVC		
CHAINAGE (m)	1756.00	1838.00 1848.00	1880.00 1915.00 1950.00
HORIZONTAL ANGLE (°)	-22.3°		

PROPOSED LS ALONG BLOEMENDHAL ROAD
CHAINAGE 1300.0 m - 1950m

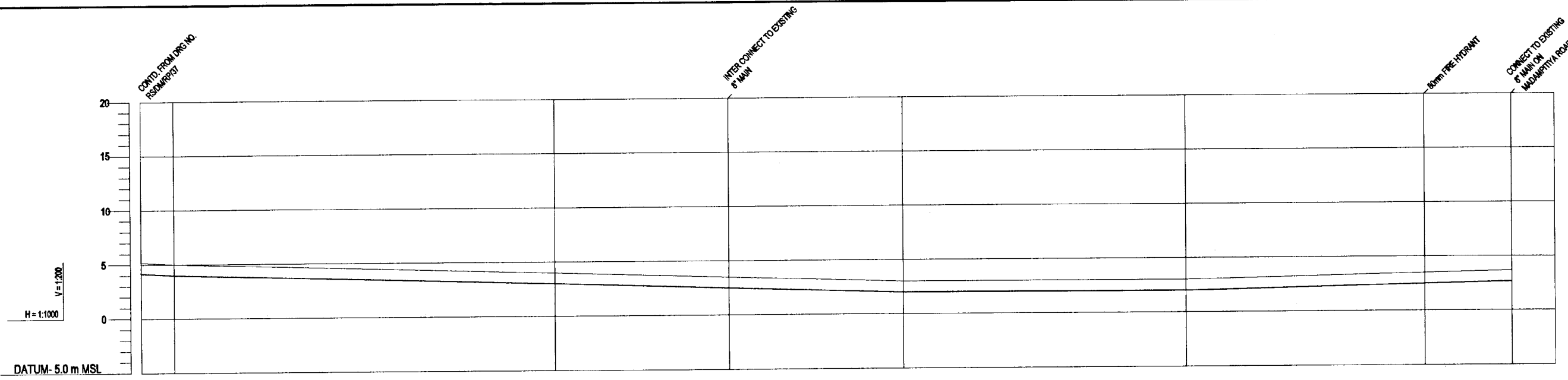


BLOEMENDHAL ROAD PLAN
SCALE - 1:1000

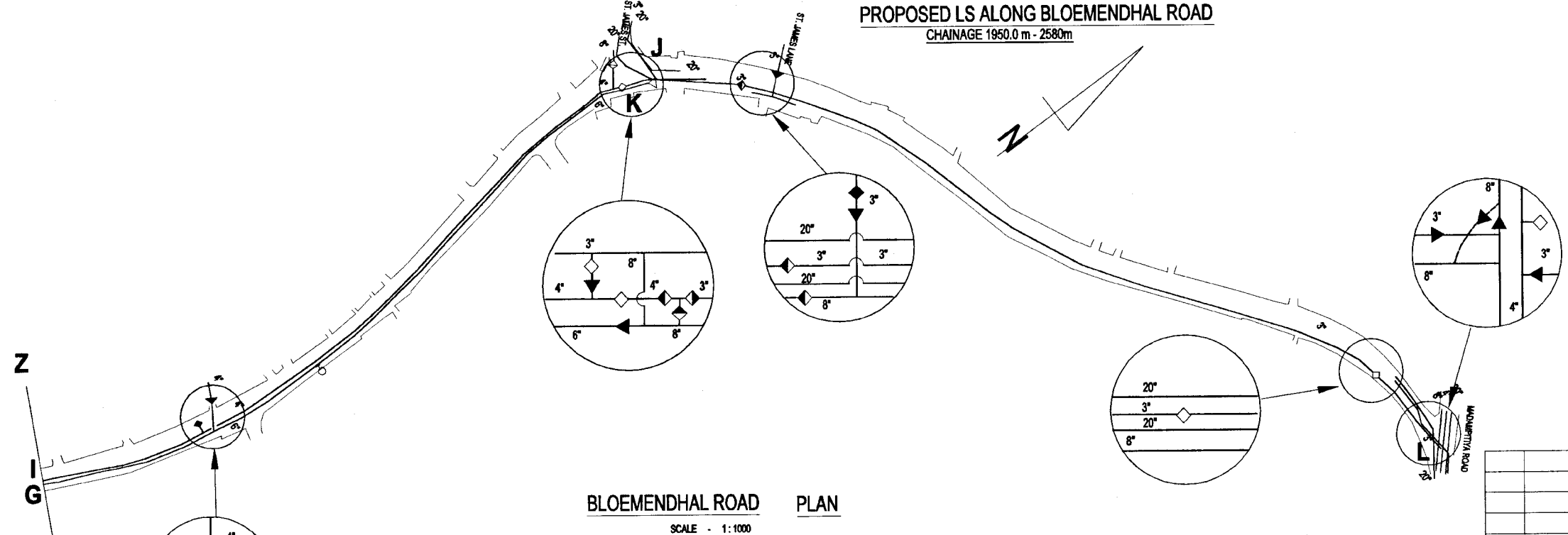
NOTE : HI - Existing 4"Ø pipe is replaced with 110mmØ PVC pipe

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 BLOEMENDHAL ROAD SHEET 3 OF 4</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 SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN</p>	<p>DR. TEAM LEADER: [Signature]</p>	<p>DRG. NO: RS/DM/RP - 36</p>




GROUND LEVEL (m)	5.18	5.00	4.00	3.00	3.00	3.68					
INVERT LEVEL (m)	5.18	5.00	4.00	3.00	3.00	3.68					
PIPE DETAILS	110mm Ø PVC										
CHAINAGE (m)	1950.00	1965.00	1990.00	2140.00	2240.00	2246.00	2290.00	2300.00	2333.00	2430.00	2580.00
HORIZONTAL ANGLE (°)			11.25°		22.5°	22.5°	11.25°		11.25°		11.25°

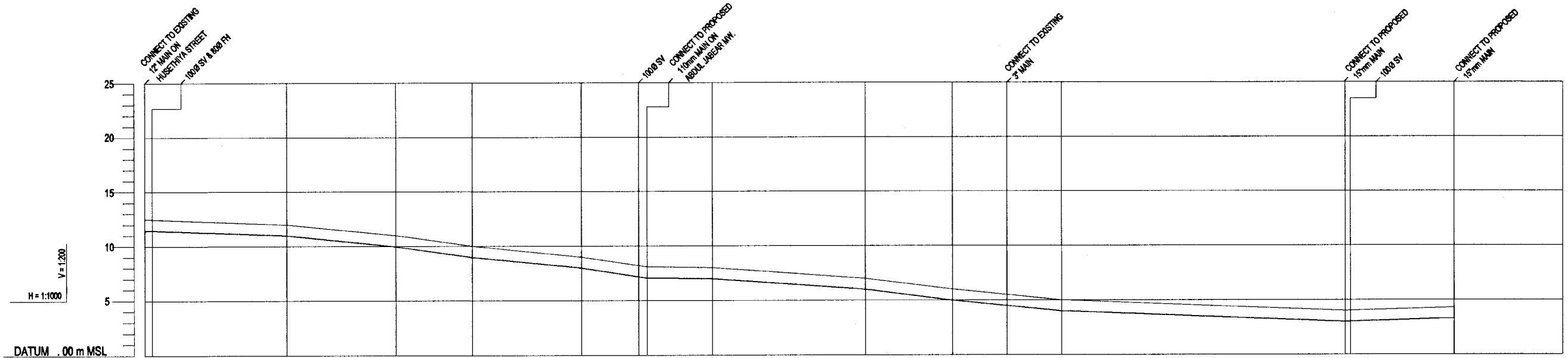


NOTE :

- IJ - Existing 4"Ø pipe is replaced with 110Ø PVC pipe
- JL - Existing 3"Ø pipe is replaced with 110Ø PVC pipe

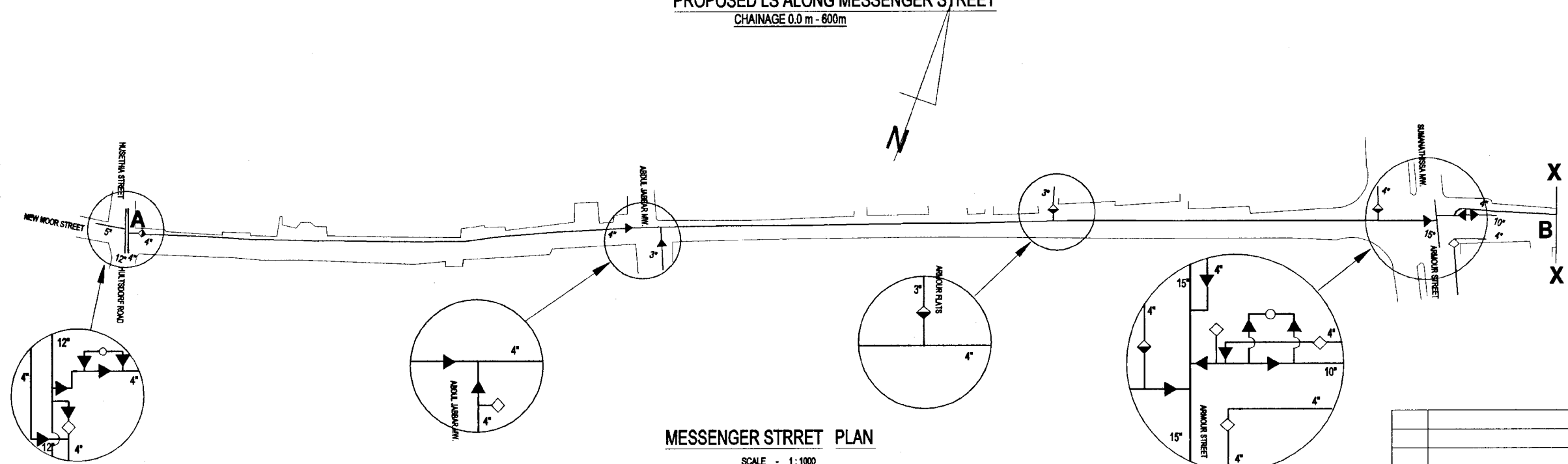
DO NOT SCALE

 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 BLOEMENDHAL ROAD	
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM NIPPON SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN		DESIGNED: <i>[Signature]</i> CHECKED: <i>[Signature]</i> BY TEAM LEADER: <i>[Signature]</i> TEAM LEADER: <i>[Signature]</i>	DRAWN: THARANGA P.L. (P/NS/SAFS) NUMBER: <i>[Signature]</i> A.G.M (P/NO) NUMBER: <i>[Signature]</i> D.G.M (P/NO) NUMBER: <i>[Signature]</i>
		DATE: JAN. 2001 CONTRACT NO: NRW / CW ORG. NO:	SHEET 4 OF 4 RS/DM/RP - 37



GROUND LEVEL (m)	12.50	12.00	11.00	10.00	9.00	8.10	8.00	7.00	6.00	5.00	4.00	4.30	
INVERT LEVEL (m)	11.45	10.99	9.99	8.99	7.99	7.09	6.99	5.99	4.99	3.99	2.99	3.29	
PIPE DETAILS	110mm Ø PVC												
CHAINAGE (m)	0.00	65.00	115.00	150.00	200.00	230.00	260.00	300.00	370.00	395.00	420.00	550.00	600.00
HORIZONTAL ANGLE (°)													

PROPOSED LS ALONG MESSENGER STREET
CHAINAGE 0.0 m - 600m



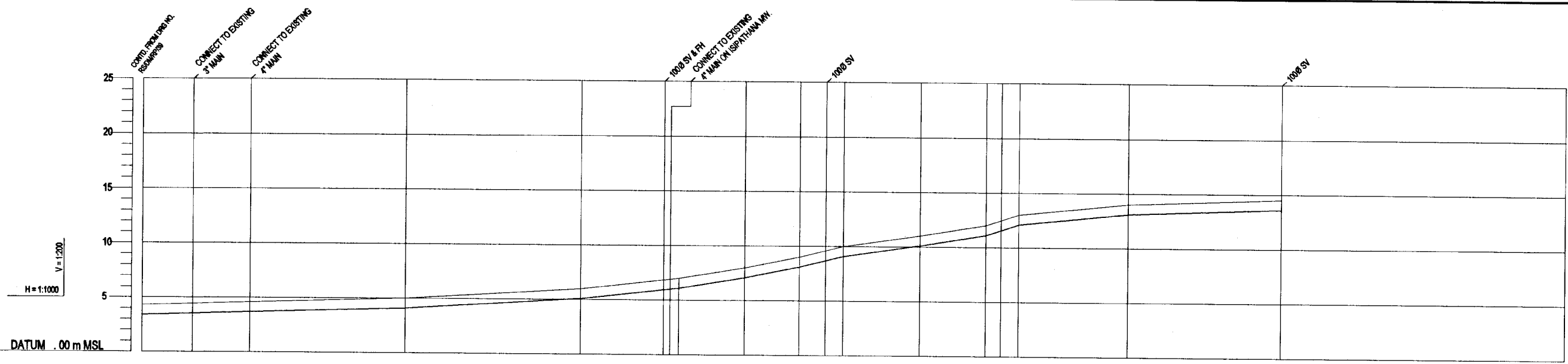
MESSENGER STREET PLAN

SCALE - 1:1000

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

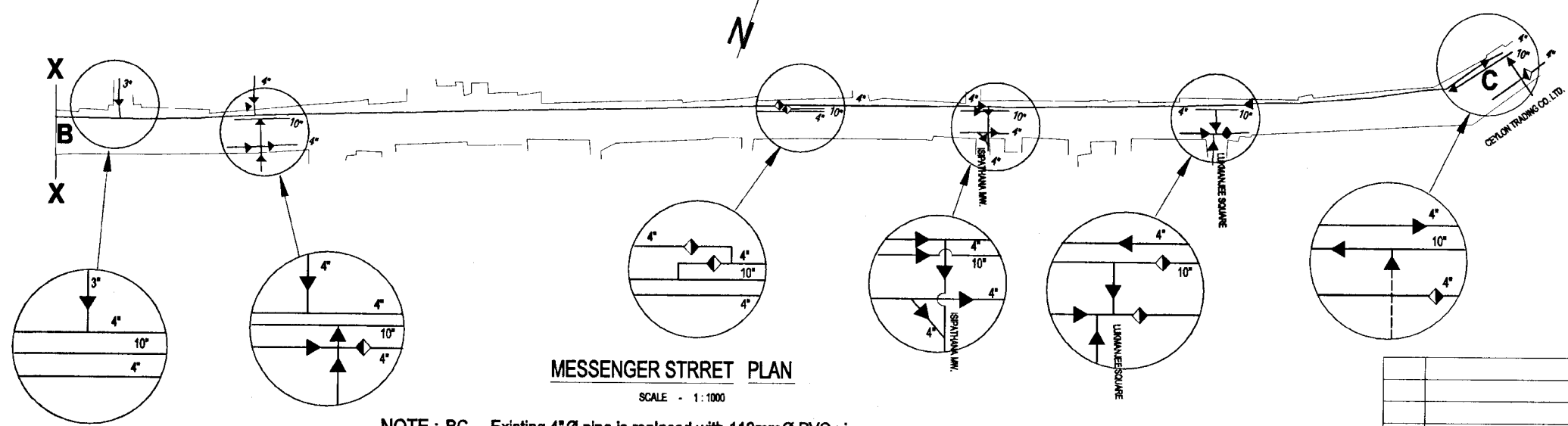
DO NOT SCALE

 NATIONAL WATER SUPPLY AND DRAINAGE BOARD 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 MESSENGER STREET	
 JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM NIPPON SUDO CONSULTANTS CO. LTD., TOKYO, JAPAN	DESIGNED:	DRAWN:	DATE:
	CHECKED:	PM (PWS&PS) NWSDB:	CONTRACT No.:
	DY. TEAM LEADER:	A&M (PWS) NWSDB:	DRC. No.:
	TEAM LEADER:	D.G.M (PWS) NWSDB:	RS/DM/RP - 38



GROUND LEVEL (m)	4.30		5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00	14.50					
INVERT LEVEL (m)	3.29		3.99	4.99	5.99	6.99	7.99	8.99	9.99	10.99	11.99	12.99	13.49					
PIPE DETAILS	110mm Ø PVC																	
CHAINAGE (m)	623.00	623.00	640.00	720.00	800.00	841.00	845.00	875.00	900.00	912.00	920.00	955.00	985.00	992.00	1000.00	1050.00	1102.00	1120.00
HORIZONTAL ANGLE (°)																	22.5	

PROPOSED LS ALONG MESSENGER STREET
CHAINAGE 600.0 m - 1120m

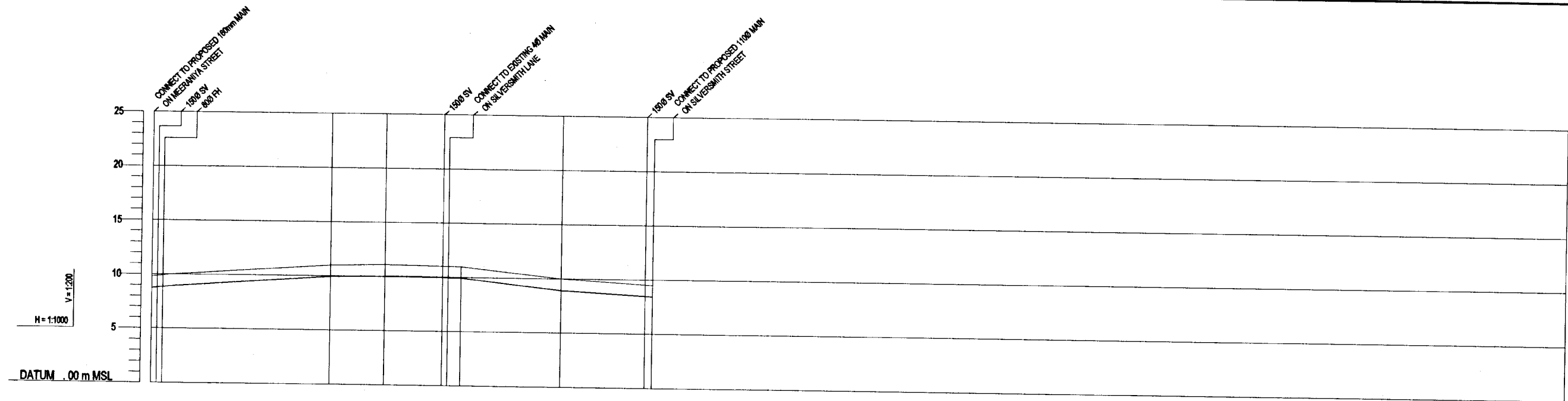


MESSENGER STREET PLAN
SCALE - 1:1000

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

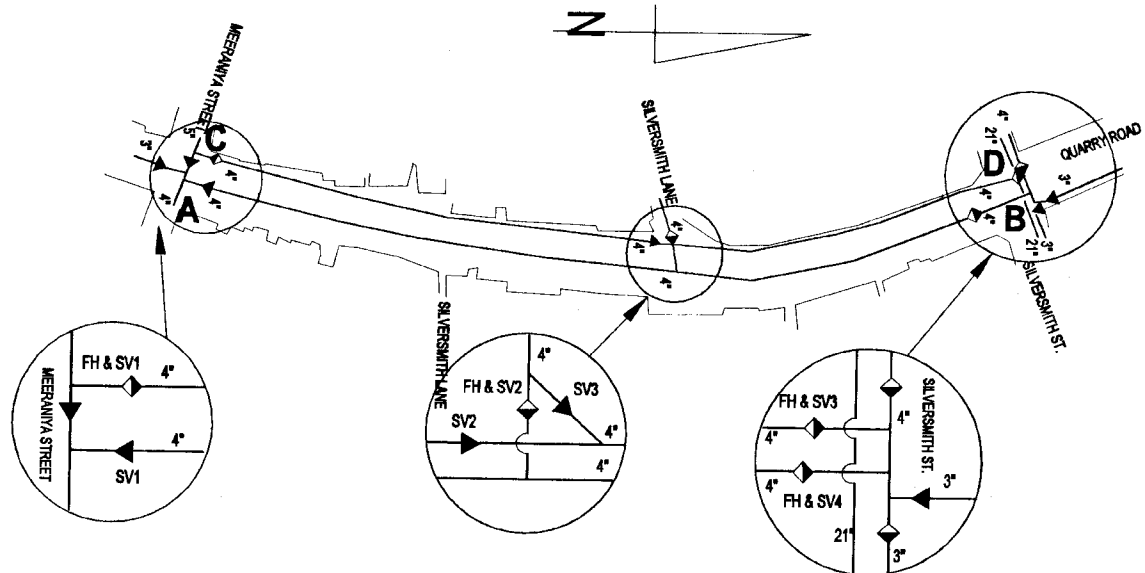
DO NOT SCALE

<p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p>	<p>SUB PROJECT: SMALL DIAMETER IN CMC (CB1)</p>	<p>TITLE: PLAN & LONGITUDINAL SECTION MESSENGER 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 SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN</p>	<p>DRY. TEAM LEADER: [Signature]</p>	<p>ORG. NO: RS/DM/RP - 39</p>
	<p>TEAM LEADER: [Signature]</p>	



GROUND LEVEL (m)	9.80	10.00	11.00	11.10	11.00	10.00	9.50
INVERT LEVEL (m)	8.74	8.94	8.94	10.04	9.94	8.94	8.44
PIPE DETAILS	160mm Ø PVC						
CHAINAGE (m)	0.00	9.00	82.00	107.00	136.00	142.00	155.50
HORIZONTAL ANGLE (°)	22.5						


PROPOSED LS ALONG QUARRY ROAD
CHAINAGE 0.0 m - 230m

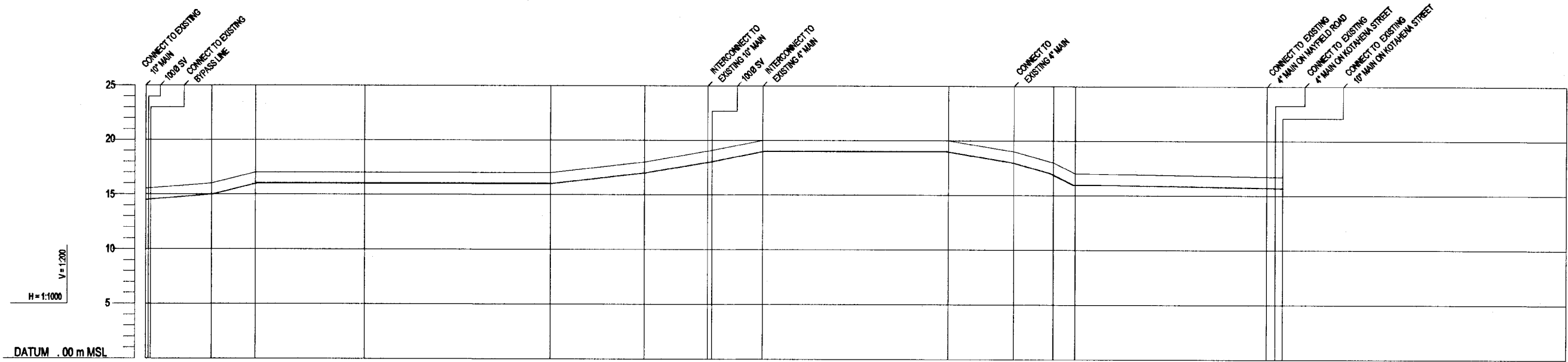


QUARRY ROAD PLAN
SCALE - 1:1000

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

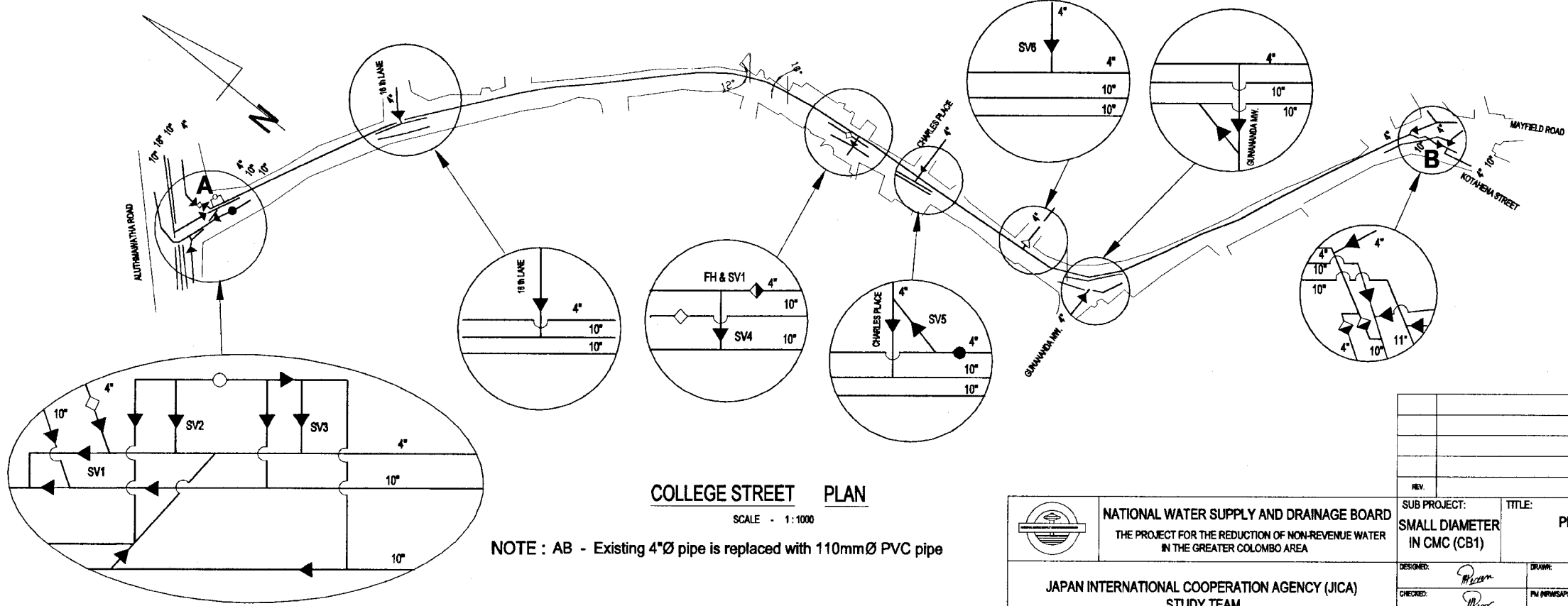
DO NOT SCALE

 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 QUARRY ROAD
	DESIGNED: <i>[Signature]</i> CHECKED: <i>[Signature]</i> D.Y. TEAM LEADER: <i>[Signature]</i> TEAM LEADER: <i>[Signature]</i>	DRAWN: THARANGA P.M. (PWS&D) INCHG: <i>[Signature]</i> A.S.M (PWS) INCHG: <i>[Signature]</i> D.G.M (PWS) INCHG: <i>[Signature]</i>
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM NIHON SUDO CONSULTANTS CO. LTD., TOKYO, JAPAN		



GROUND LEVEL (m)	15.50	16.00	17.00	17.00	17.00	18.00	19.00	20.00	20.00	19.00	18.00	17.00	16.70					
INVERT LEVEL (m)	14.49	14.99	15.99	15.99	15.99	16.99	17.99	18.99	18.99	17.99	16.99	15.99	15.99					
PIPE DETAILS	110mm Ø PVC																	
CHAINAGE (m)	0.00	30.00	50.00	100.00	165.00	210.00	220.00	228.00	257.00	282.00	332.90	347.7	360.70	367.00	387.00	415.00	425.00	510.00
HORIZONTAL ANGLE (°)	\leftarrow																	

PROPOSED LS ALONG COLLEGE STREET
CHAINAGE 0.0 m - 510m

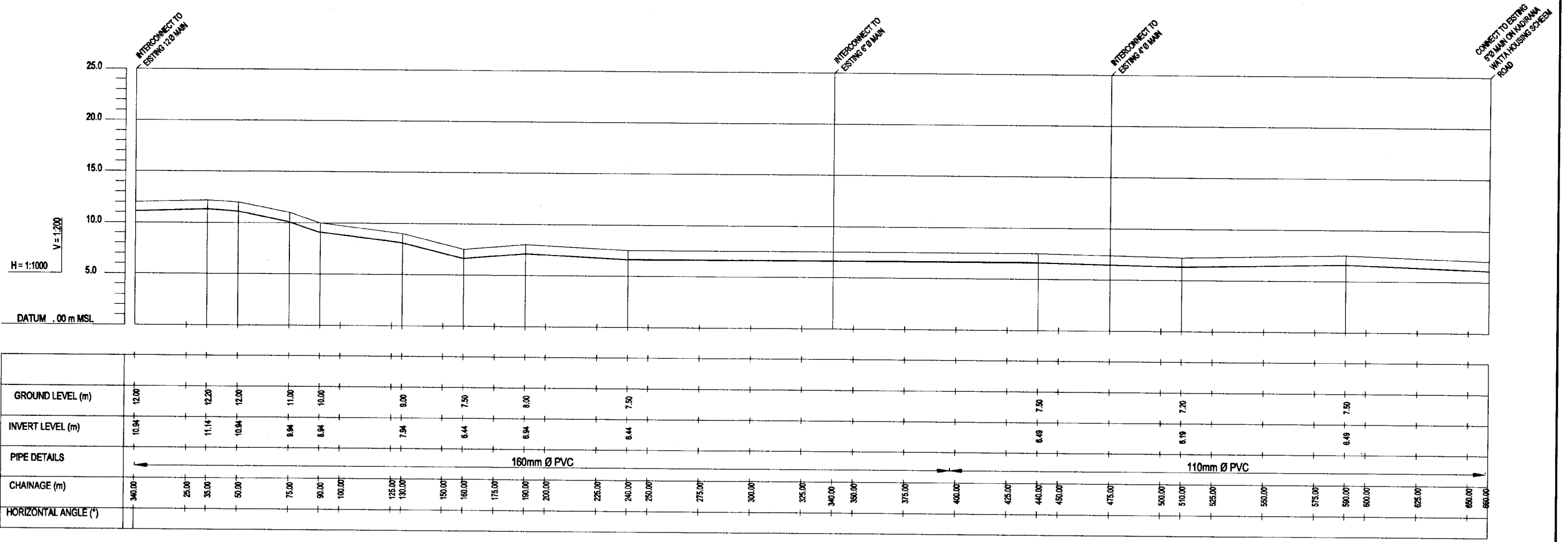


COLLEGE STREET PLAN
SCALE - 1:1000

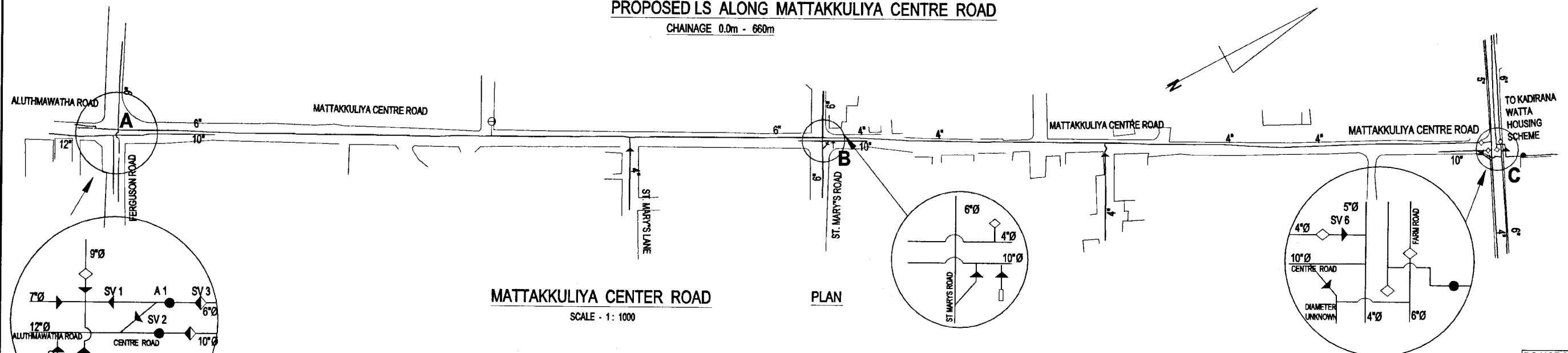
NOTE : AB - Existing 4"Ø pipe is replaced with 110mmØ PVC pipe

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 COLLEGE STREET</p>	
	<p>DESIGNED: [Signature]</p>	<p>DRAWN: THARANGA</p>	<p>DATE: JAN. 2001</p>
	<p>CHECKED: [Signature]</p>	<p>PA (NWS&D) INCHARGE: [Signature]</p>	<p>CONTRACT No: NRW / CW</p>
	<p>DR. TEAM LEADER: [Signature]</p>	<p>A.S.M (PMD) INCHARGE: [Signature]</p>	<p>ORIG. No: RS/DM/RP - 42</p>
<p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM NIHON SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN</p>			



PROPOSED LS ALONG MATTAKKULIYA CENTRE ROAD
CHAINAGE 0.0m - 660m



MATTAKKULIYA CENTER ROAD
SCALE - 1 : 1000

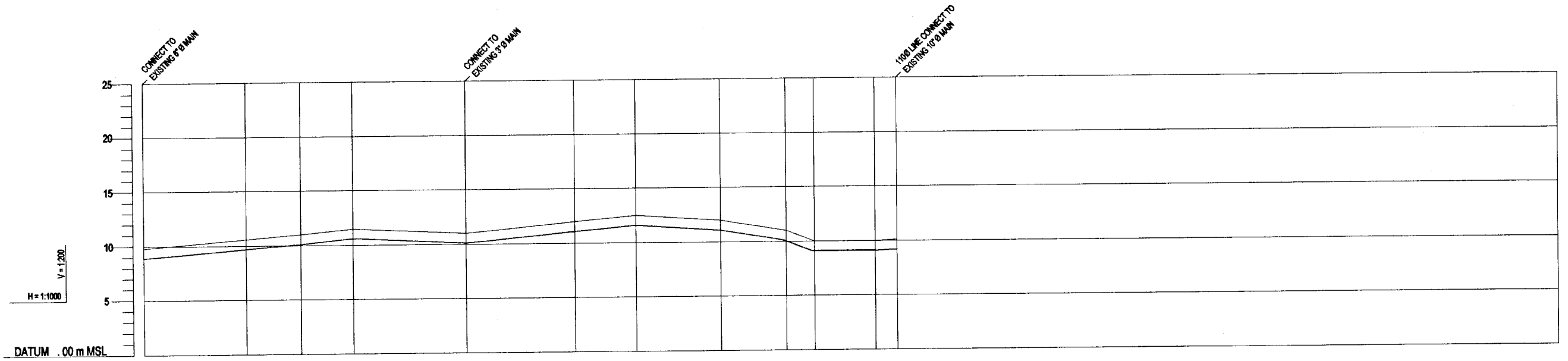
PLAN

NOTE : AB - Existing 5"Ø pipe is replaced with 160mmØ 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>	<p>SUB PROJECT: SMALL DIAMETER IN CMC (CB1)</p>	<p>TITLE: LS MATTAKKULIYA CENTRE ROAD</p>
	<p>DESIGNED: [Signature]</p>	<p>DRAWN: THARANGA</p>
<p>CHECKED: [Signature]</p>	<p>PA. APPROVALS NUMBER: [Signature]</p>	<p>CONTRACT No: NRW / CW</p>
<p>BY: TEAM LEADER: [Signature]</p>	<p>A.E.M. (P.D.) NUMBER: [Signature]</p>	<p>DRG. No: RS/DM/RP - 43</p>
<p>TEAM LEADER: [Signature]</p>	<p>C.D.M. (P.D.) NUMBER:</p>	

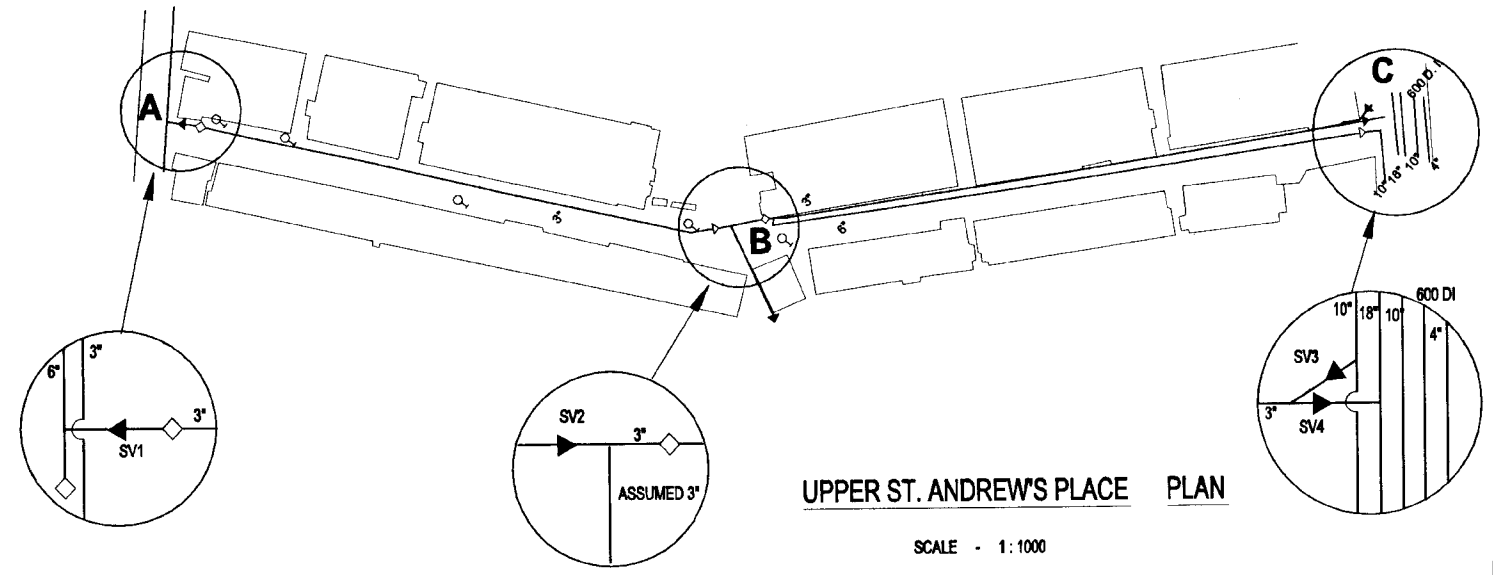
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
STUDY TEAM
NIHON SUIDO CONSULTANTS CO. LTD.,
TOKYO, JAPAN



GROUND LEVEL (m)	9.80	11.50	11.00	12.00	12.50	12.00	11.00	10.00	10.00	10.10
INVERT LEVEL (m)	8.78	10.48	9.98	10.98	11.48	10.98	9.98	8.98	8.98	9.98
PIPE DETAILS	110mm Ø PVC									
CHAINAGE (m)	0.00	100.00	142.50 150.00	200.00	225.00	250.00	275.00	300.00	325.00	350.00
HORIZONTAL ANGLE (°)	22.5°									

PROPOSED LS ALONG UPPER ST. ANDREW'S PLACE

CHAINAGE 0.0 m 350 m



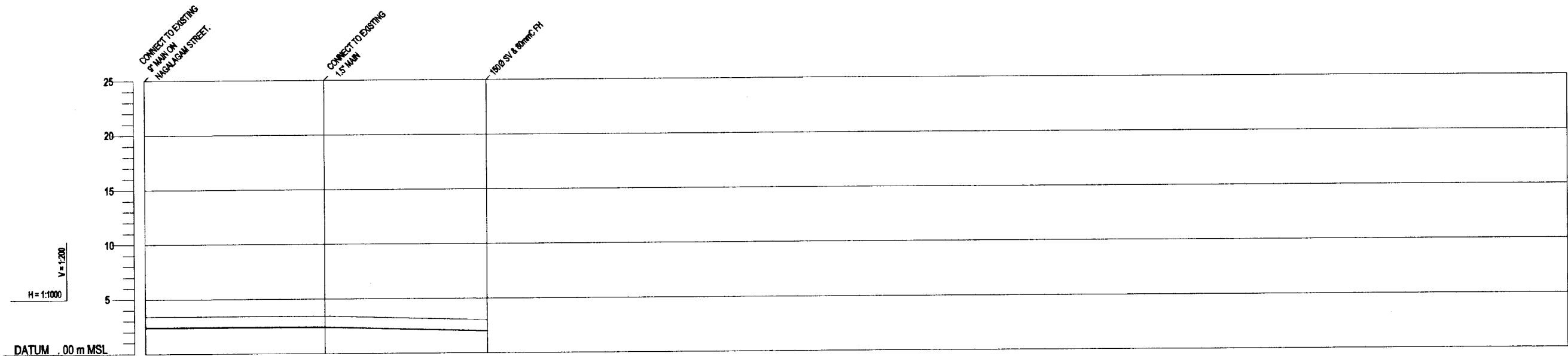
UPPER ST. ANDREW'S PLACE PLAN

SCALE - 1:1000

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

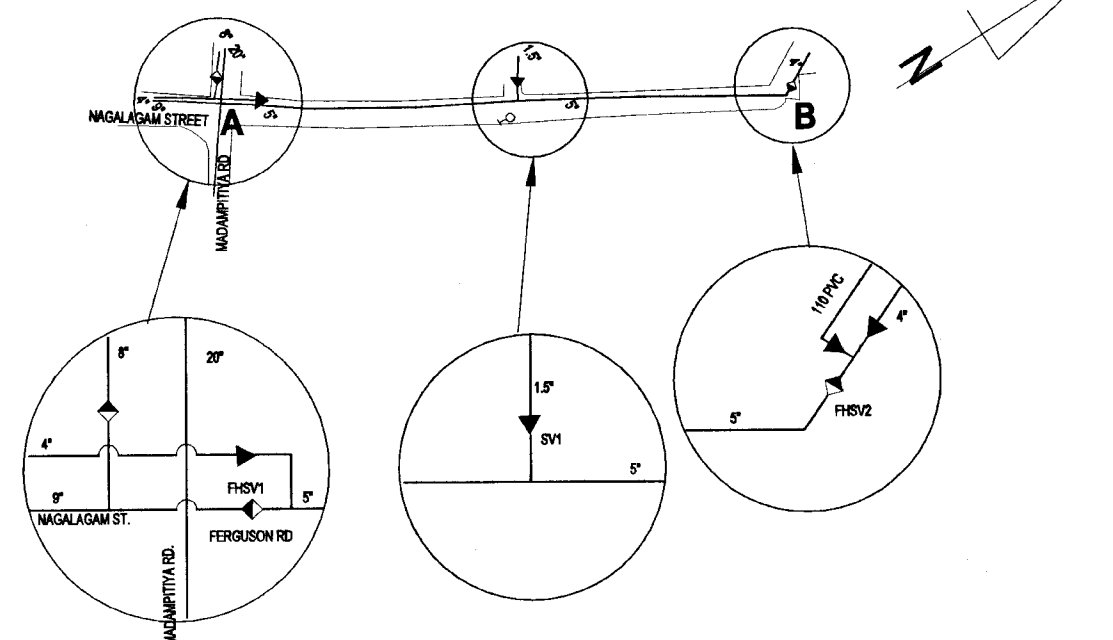
DO NOT SCALE

<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 UPPER ST. ANDREW'S PLACE</p>	
DESIGNED: <i>[Signature]</i>	DRAWN: THARANGA	DATE: JAN. 2001	
CHECKED: <i>[Signature]</i>	PM (PROV/SAPS) INCHG: <i>[Signature]</i>	CONTRACT No: NRW / CW	
DR. TEAM LEADER: <i>[Signature]</i>	A.G.M (PRO) INCHG: <i>[Signature]</i>	DRG. No: RS/DWRP-44	
TEAM LEADER: <i>[Signature]</i>	D.G.M (PRO) INCHG: <i>[Signature]</i>		



GROUND LEVEL (m)	3.40	3.40	3.00
INVERT LEVEL (m)	2.50	2.50	2.10
PIPE DETAILS	160mmØ PVC		
CHAINAGE (m)	0.00	82.00	156.00
HORIZONTAL ANGLE (°)			

PROPOSED LS ALONG FERGUSON ROAD
CHAINAGE 0.0 m - 156m




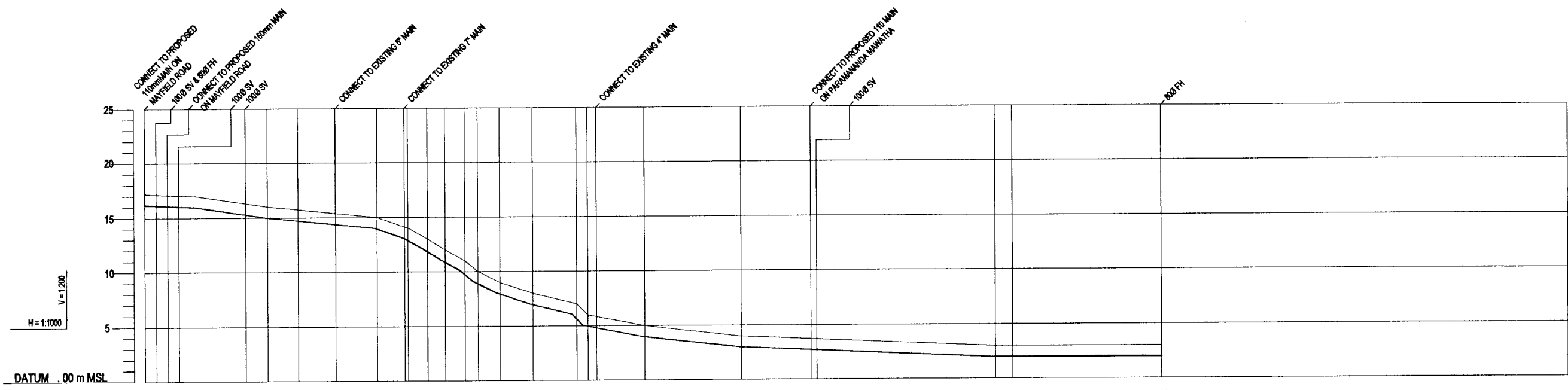
FERGUSON ROADPLAN

SCALE - 1:2000

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

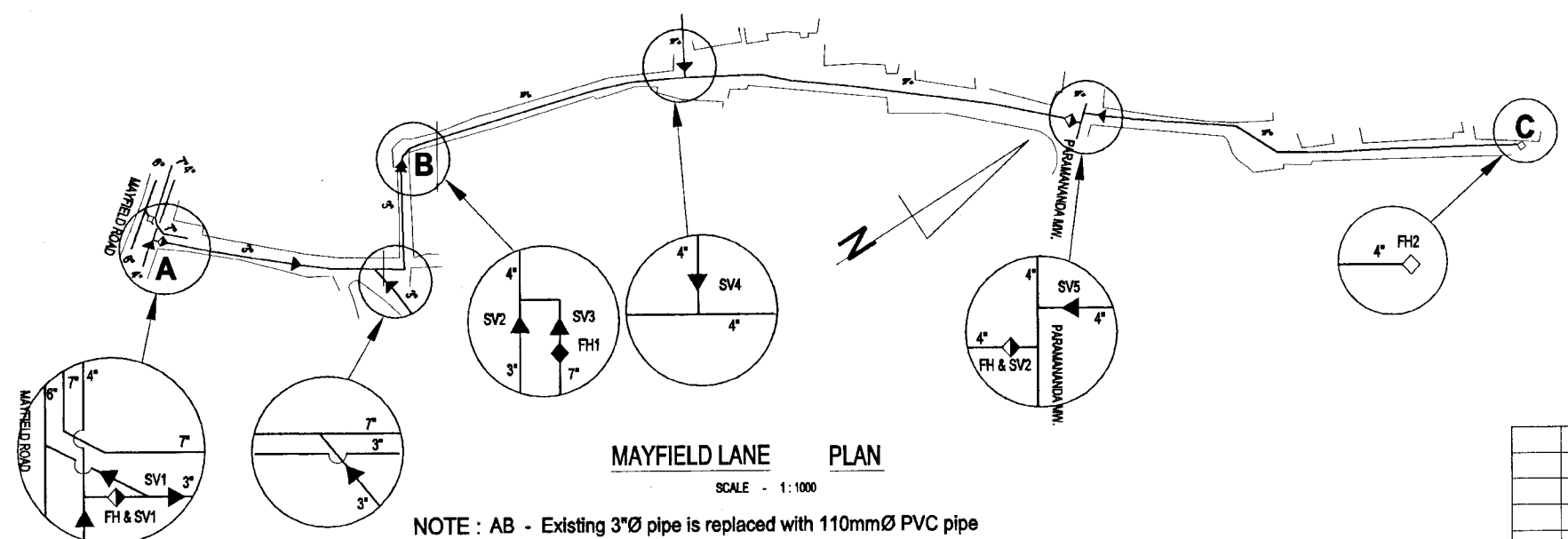
DO NOT SCALE

 <p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p>	<p>SUB PROJECT: SMALL DIAMETER IN CMC (CB1)</p>		<p>TITLE: PLAN & LONGITUDINAL SECTION FERGUSON ROAD</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 (NRWSAP) NRWSB: <i>[Signature]</i></p> <p>A.G.M (P&E) NRWSB: <i>[Signature]</i></p> <p>D.G.M (P&E) NRWSB: <i>[Signature]</i></p>	<p>DATE: JUN. 2001</p> <p>CONTRACT NO: NRW / CW</p>	<p>DWG. No: RS/DM/RP/45</p>




GROUND LEVEL (m)	17.20	17.00	16.00	15.00	14.00	13.00	12.00	11.00	10.00	9.00	8.00	7.00	6.00	5.00	4.00	3.00	3.00	3.00											
INVERT LEVEL (m)	16.19	15.99	14.99	13.99	12.99	11.99	10.99	9.99	8.99	7.99	6.99	5.99	4.99	3.99	2.99	2.99	2.99	2.99											
PIPE DETAILS	110mm Ø PVC																												
CHAINAGE (m)	00.00	23.00	46.00	56.00	70.00	87.00	108.00	118.5	120.00	125.00	129.00	137.00	148.00	152.00	162.00	177.00	193.00	197.00	202.00	208.00	229.00	233.00	272.00	304.00	360.00	380.00	396.00	464.00	
HORIZONTAL ANGLE (°)						30°		45°	22.5°								1.25°									45°	45°		

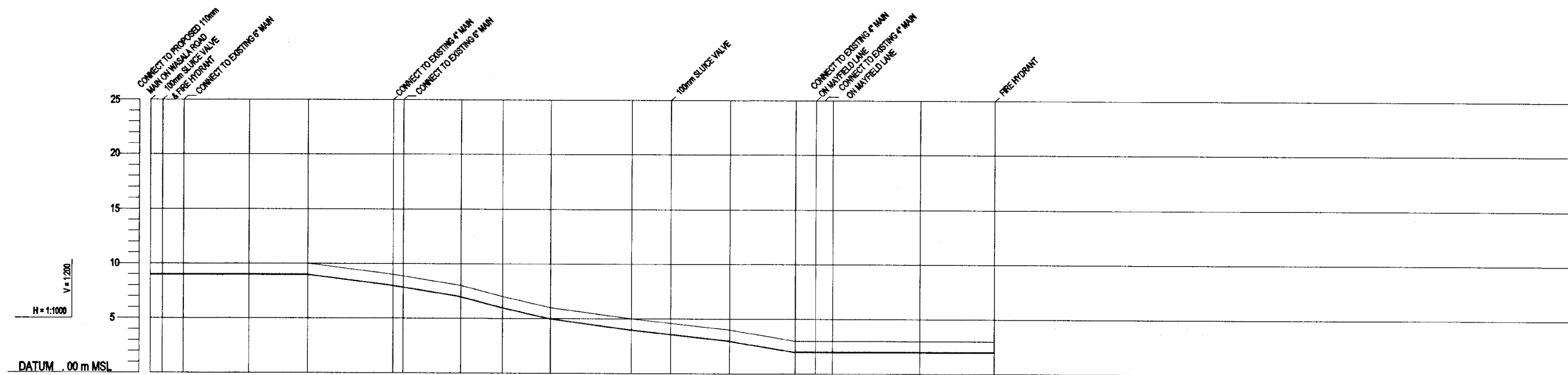
PROPOSED LS ALONG MAYFIELD LANE
CHAINAGE 0.0 m - 475m



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

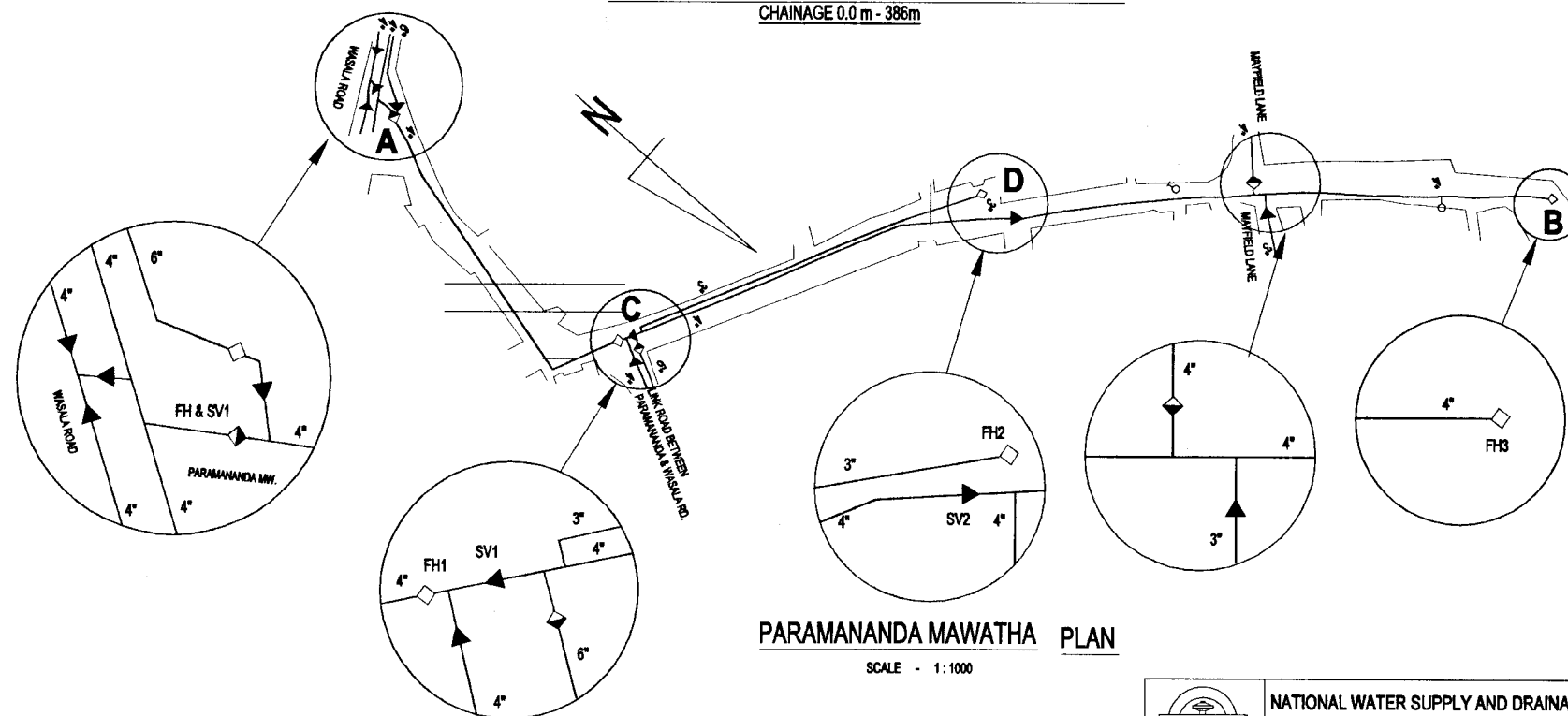
DO NOT SCALE

 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 MAYFIELD LANE
DESIGNED: <i>[Signature]</i> CHECKED: <i>[Signature]</i> BY TEAM LEADER: <i>[Signature]</i> TEAM LEADER: <i>[Signature]</i>	DRAWN: THARANGA PM (NRWSAPS) INVOICE: <i>[Signature]</i> A.S.M (PMD) INVOICE: <i>[Signature]</i> D.G.M (PMD) INVOICE: <i>[Signature]</i>	DATE: JAN. 2001 CONTRACT No: NRW / CW DRG. No: RS/DM/RP - 46	



GROUND LEVEL (m)	10.00	10.00	10.00	8.00	8.00	7.00	6.00	5.00	4.00	3.00	3.00	3.00	3.00			
INVERT LEVEL (m)	8.98	8.98	8.98	7.98	6.98	5.98	4.98	4.10	2.99	1.99	1.99	1.99	1.99			
PIPE DETAILS	110mm Ø PVC															
CHAINAGE (m)	0.00	19.50	45.00	72.00	111.00	115.00	142.00	162.36	161.00	183.00	220.00	265.00	296.00	312.00	352.00	386.00
HORIZONTAL ANGLE (°)	30°															

PROPOSED LS ALONG PARAMANANDA MAWATHA
CHAINAGE 0.0 m - 386m



NOTE : AB - Existing 4"Ø pipe is replaced with 110mmØ pipe
BC - Existing 3"Ø pipe is 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>SUB PROJECT: SMALL DIAMETER IN CMC (CB1)</p>	<p>TITLE: PLAN & LONGITUDINAL SECTION PARAMANANDA MAWATHA</p>
	<p>DESIGNED: <i>[Signature]</i> CHECKED: <i>[Signature]</i> D.T. TEAM LEADER: <i>[Signature]</i> TEAM LEADER: <i>[Signature]</i></p>	<p>DRAWN: THARANGA P.M. (APPROVAL) NUMBER: <i>[Signature]</i> A.G.M. (P.M.) NUMBER: <i>[Signature]</i> D.G.M. (P.M.) NUMBER: <i>[Signature]</i></p>

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