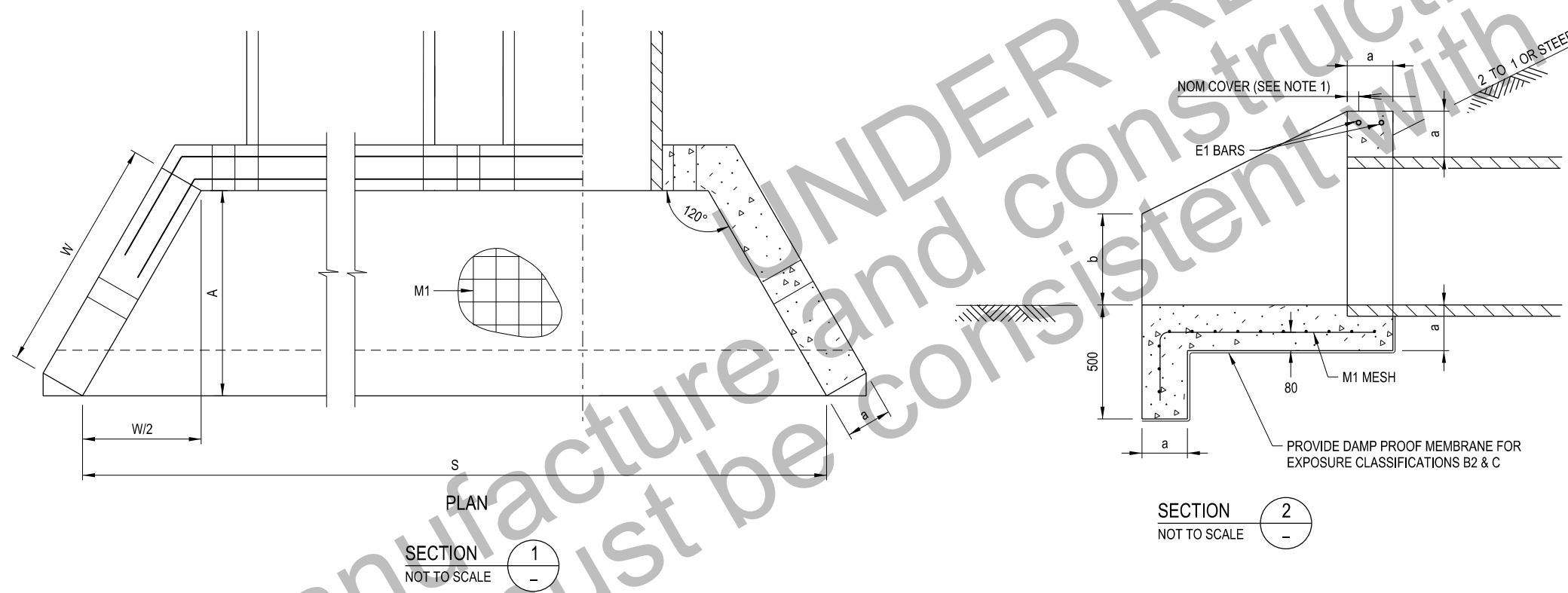


DIMENSIONS	NOMINAL PIPE DIAMETER (mm)							
	300	375	450	525	600	750	900	
D	300	375	450	525	600	750	900	
A	270	415	590	735	900	1 210	1 540	
C	3 350	3 850	4 300	4 700	5 100	5 950	6 850	
S	3 760	4 330	4 980	5 550	6 140	7 350	8 630	
W	310	480	680	850	1 040	1 400	1 780	
a	150	150	150	150	150	150	150	
b	300	300	300	300	400	400	400	
E1 BAR Ø12 mm	L1 (mm)	3 565	3 965	4 415	4 815	5 215	6 065	
	L2 (mm)	200	200	200	200	600	600	
M1 MESH	No. REQ (mm)	4	4	4	4	4	4	
	LENGTH (mm)	15 860	17 460	19 260	20 860	25 660	29 060	
L1	MARK	SL81	SL81	SL81	SL81	SL81	SL81	
	(mm)	3 940	4 510	5 160	5 730	6 320	7 530	
L2	(mm)	610	755	930	1 075	1 240	1 550	
	(mm)	175	260	360	445	540	720	
No. REQ		2	2	2	2	2	2	
		2	2	2	2	2	2	
STEEL REINFORCEMENT	(kg)	51.9	68.5	90.8	112.2	140.9	199.4	
CONCRETE N25 (SEE NOTE 1)	(m³)	1.48	1.96	2.54	3.11	3.81	5.32	



- NOTES**
- CONCRETE STRENGTH GRADES SHOWN ARE FOR EXPOSURE CLASSIFICATION A2. REFER TO AS3600-2009, SECTION 4 FOR CONCRETE STRENGTH GRADE, COVER TO REINFORCEMENT AND FOR OTHER EXPOSURE CLASSIFICATIONS.
 - WEEPHOLES ARE TO BE PROVIDED AT 1800 CENTRES (MAXIMUM) AT OUTLET ONLY.
 - ALL STEEL BARS TO BE GRADE 400Y TO AS4671-2001.
 - MESH LAPS SHALL BE MADE SO THAT THE TWO OUTERMOST WIRES OF ONE FABRIC OVERLAP THE TWO OUTERMOST WIRES OF THE SHEET BEING LAPPED.
 - SPACING FOR MULTIPLE PIPES AS SPECIFIED IN R0240-01.

REFERENCED DOCUMENTS:
 AS4671-2001 STEEL REINFORCING MATERIALS
 AS3600-2009 CONCRETE STRUCTURES
 SPECIFICATION R11 - STORMWATER DRAINAGE
 SPECIFICATION B80 - CONCRETE WORK FOR BRIDGES

THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED 50mm ON A3 SIZE ORIGINAL

QR CODE		SCAN TO CHECK DOCUMENT VER.		REV. DATE		AMENDMENT / REVISION DESCRIPTION		WVR No. APPROVAL		ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN		CONTACT DETAILS		ISSUED		Transport Roads & Maritime Services		STANDARD DRAWING ROAD DESIGN ENGINEERING R0210 STORMWATER DRAINAGE SERIES - HEADWALLS CONCRETE HEADWALLS FIVE CELL Ø300 mm TO Ø900 mm WITH CONCRETE APRON PROTECTION ^{2 TO 1 BATTER OR STEEPER} SHEET 1 OF 1		A3	
1		9/10/17		Added Watermark		SFR		SEND FEEDBACK ON THIS STANDARD DRAWING TO : technologystandards@rms.nsw.gov.au		DATE 20.01.17		PREPARED BY ENGINEERING SERVICES ROAD POLICY, SPECIFICATIONS AND TECHNOLOGY		STATUS ISSUED		EDMS No. DS2014/005801		ORIGINAL ISSUE DATE JANUARY 2017			