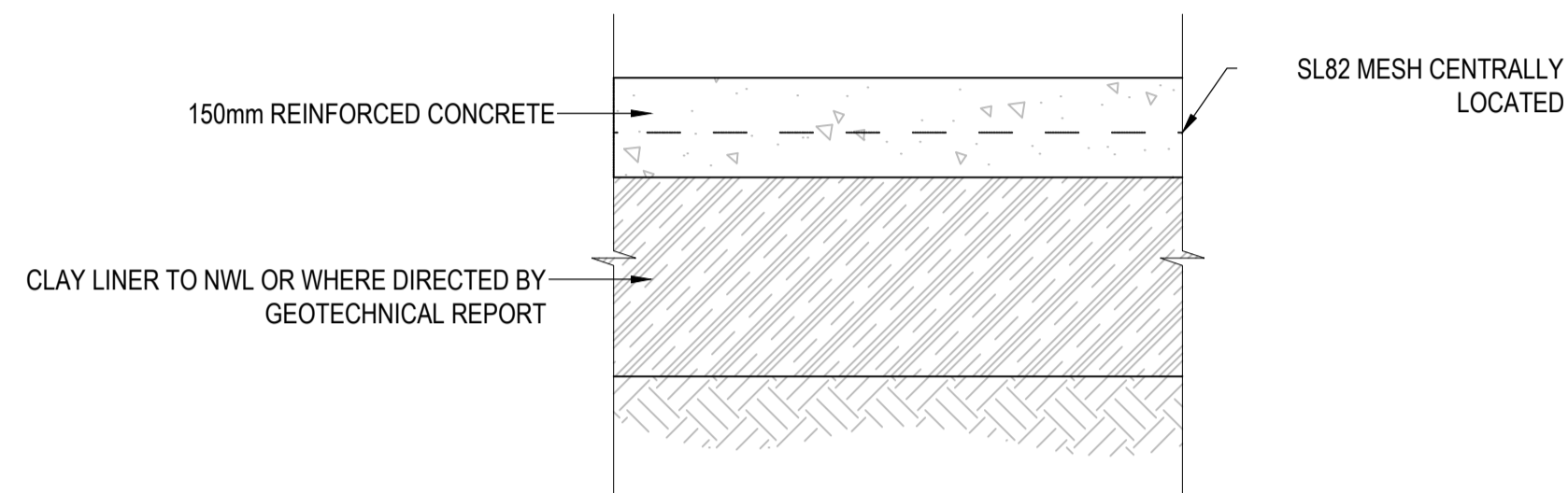


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7251/12/012	MVC DRAWING NUMBER											
CODE												

**OPTION 1: REINFORCED CONCRETE - SECTION**

**NOTE:**

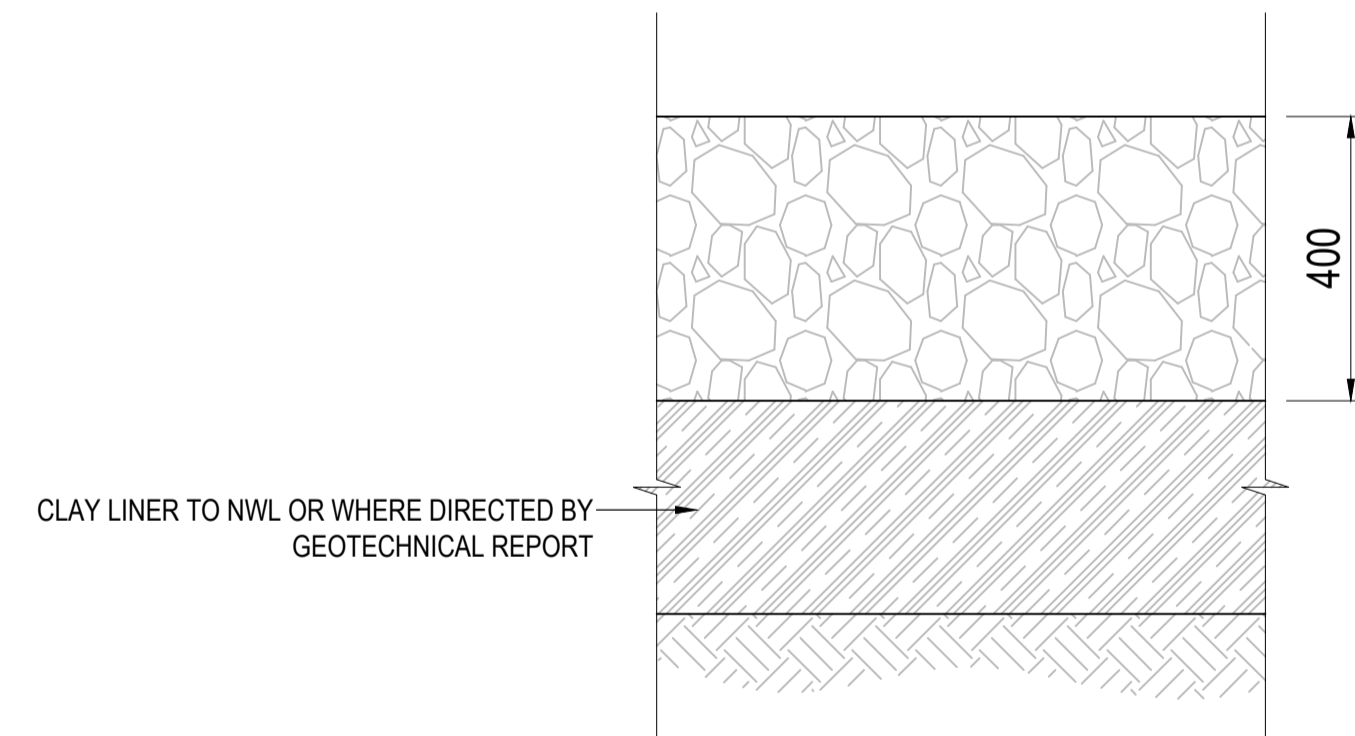
- FOR SITUATIONS WHERE THE CLAY LINER HAS BECOME SOFT IT MUST BE REWORKED TO MEET THE REQUIREMENT OF THE GEOTECHNICAL REPORT. A BLINDING BASE MAY BE REQUIRED TO PROVIDE STABILITY FOR THE BAR CHAIR & REINFORCEMENT. -TYPICALLY 100MM CEMENT STABILISED (6%) FCR WILL SUFFICE.
- HARD BASE EXTENDS TO A VERTICAL HEIGHT OF 300MM UP THE BATTER.
- HARD BASE IS NOT A SUBSTITUTE FOR A CLAY LINER.
- GEOTECHNICAL REPORT FOR WETLANDS MUST INCLUDE PERMEABILITY TEST, GROUNDWATER TABLE INFORMATION AND SALINITY TESTS. REPORT DICTATES THICKNESS AND COMPACTION FOR THE CLAY LINER AND ALSO THE QUALITY OF THE TOPSOIL.



**OPTION 2: COMPACTED ROCK - SECTION**

**NOTE:**

- PROVIDE A COMPACTED 400MM THICK HARD BASE. APPROXIMATELY 50% 300MM INSIZE. THE REMAINING 50% MADE UP OF 0-100MM GRADED ROCK, PREMIXED WITH 300 DIA ROCKS AND SPREAD AND TRACKED SO AS TO FORM A COMPACTED BASE.
- THE HARD BASE TYPICALLY EXTENDS TO A VERTICAL HEIGHT OF 300MM UP THE BATTER.
- WHERE ADDITIONAL ARMORING OF THE SEDIMENT POND BATTER (ABOVE 300MM VERTICAL HEIGHT) IS REQUIRED, LARGER (EG: 400-600MM DIA) PLACED ROCK SHOULD BE UTILISED. CONSIDERATION SHOULD BE GIVEN TO WHETHER FULL SEALING OF THE ROCK WORK VOIDS IS REQUIRED (0-100 FCR MIX) OR WHETHER PARTIAL SEALING USING A 50/50 PREMIX OF 40MM NDCR & TOPSOIL TO ALLOW FOR PLANTING IS SUITABLE.
- HARD BASE IS NOT A SUBSTITUTE FOR A CLAY LINER.
- GEOTECHNICAL REPORT FOR WETLANDS MUST INCLUDE PERMEABILITY TEST, GROUNDWATER TABLE INFORMATION AND SALINITY TESTS. REPORT DICTATES THICKNESS AND COMPACTION FOR THE CLAY LINER AND ALSO THE QUALITY OF THE TOPSOIL.



										TITLE STANDARD DRAWING SEDIMENT POND HARD BASE PROFILES				
							DRAFTER	DESIGNER	DESIGN MANAGER APPROVAL	PROJECT MANAGER APPROVAL	PROJECT DATUM	Original Size	MELBOURNE WATER CORPORATION	
							DRAFTING CHECK	ENGINEERING REVIEW			SCALE		7251/12/012	
REV	DESCRIPTION	COMPANY	PROJECT OR WO NUMBER	DRAWN	ENG. CHECK	PR. MAN. APPD	DATE				CODE	MVC DRAWING NUMBER	REV	