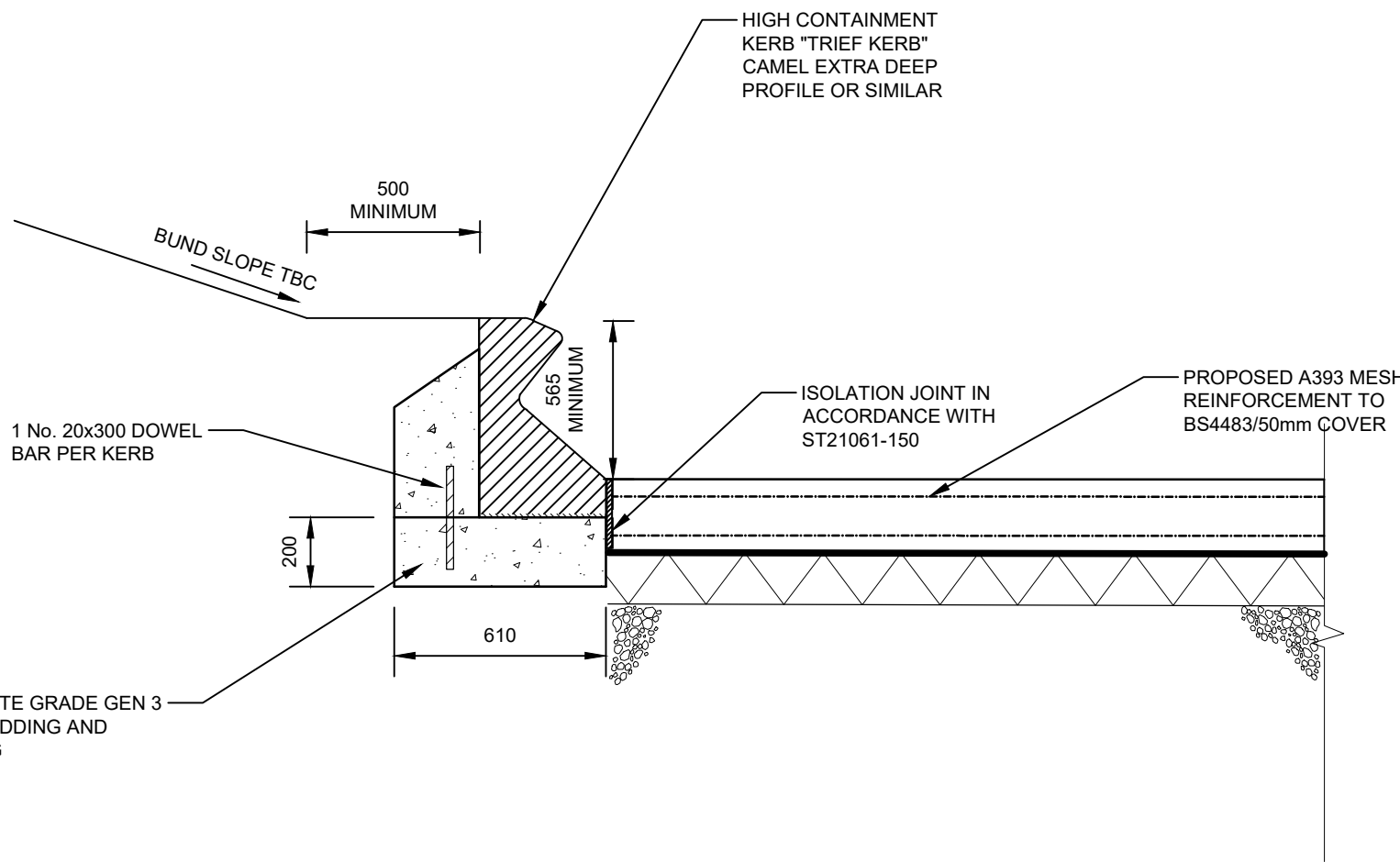
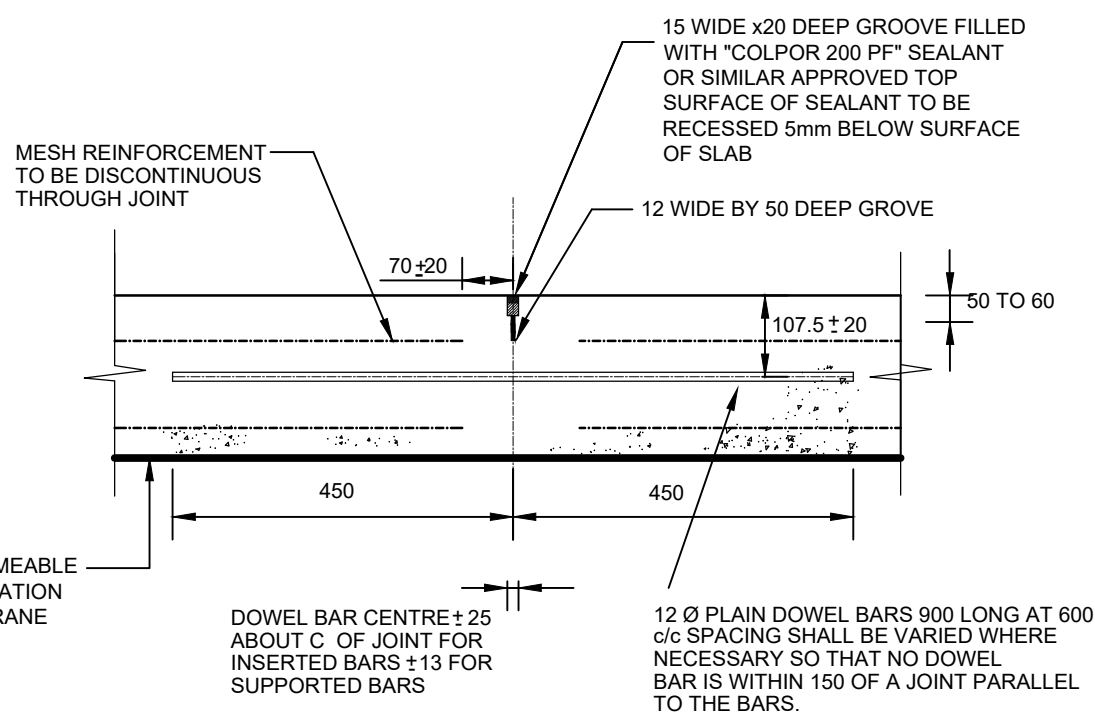


NOTE!
INTERFACE DETAIL TO BE
CONFIRMED FOLLOWING
CONFIRMATION OF EXISTING
SLAB CONSTRUCTION



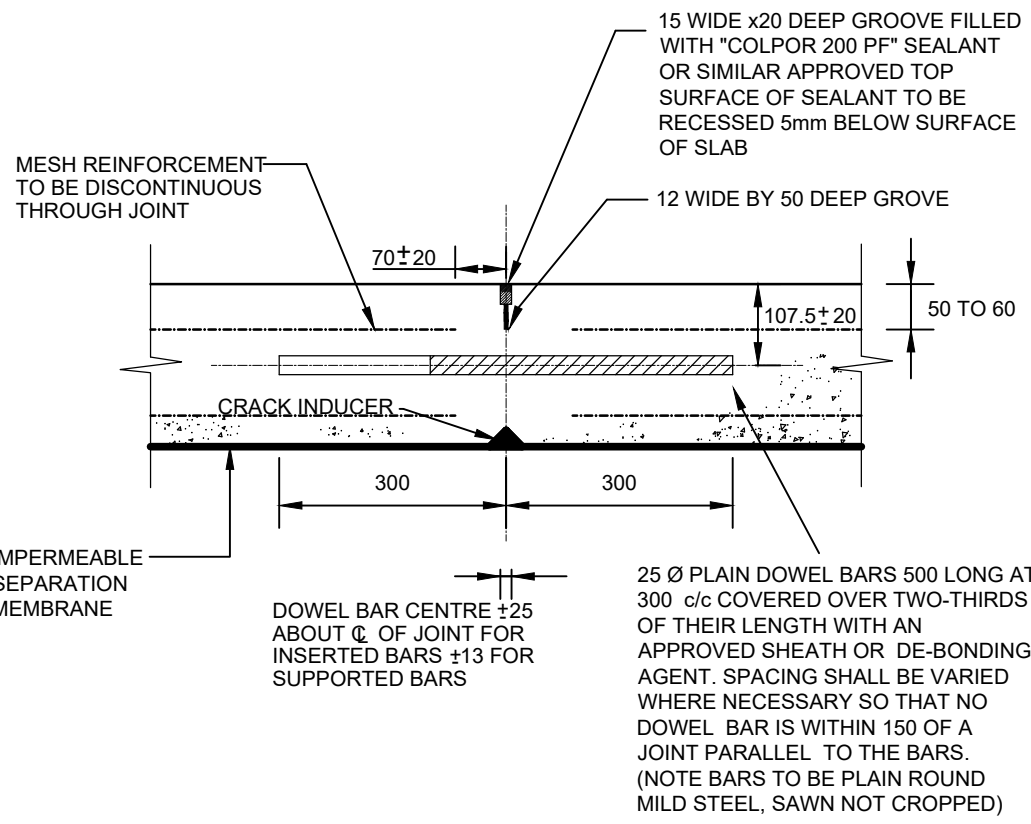
HIGH CONTAINMENT KERB ADJACENT TO BUND DETAIL

SCALE 1:20



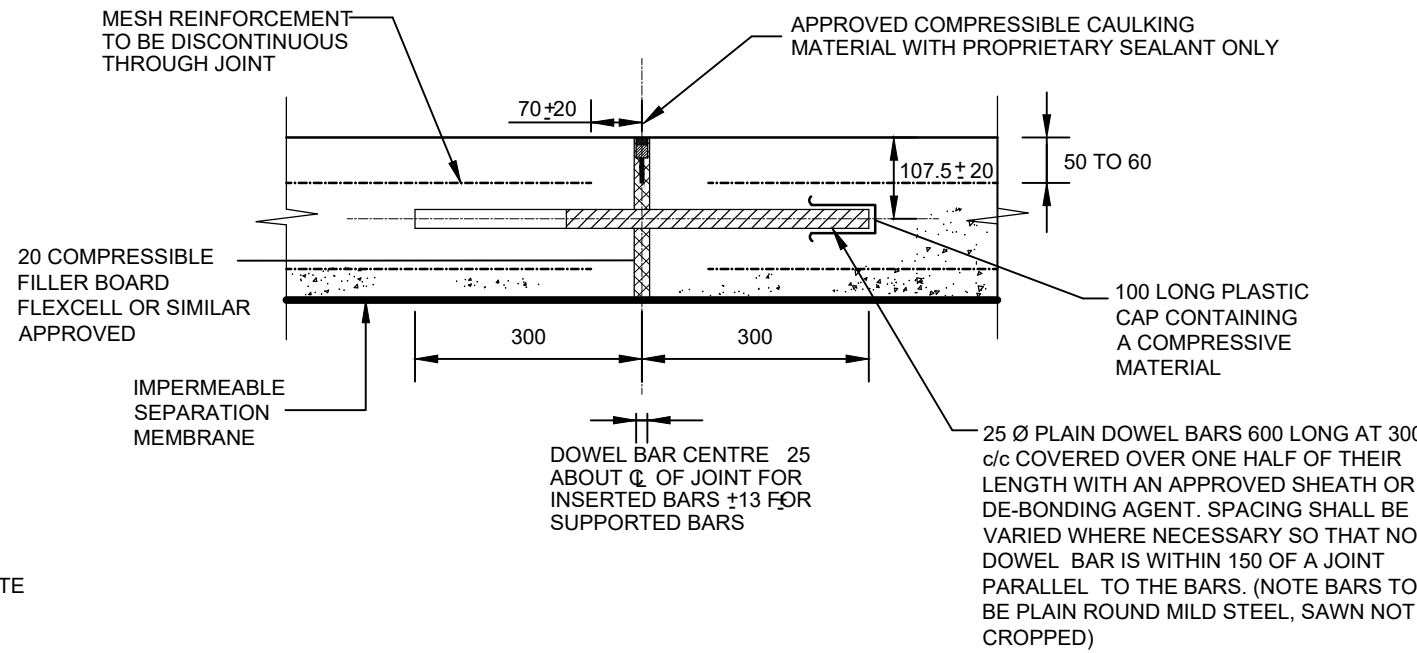
LONGITUDINAL JOINT (LJ)

SCALE 1:10



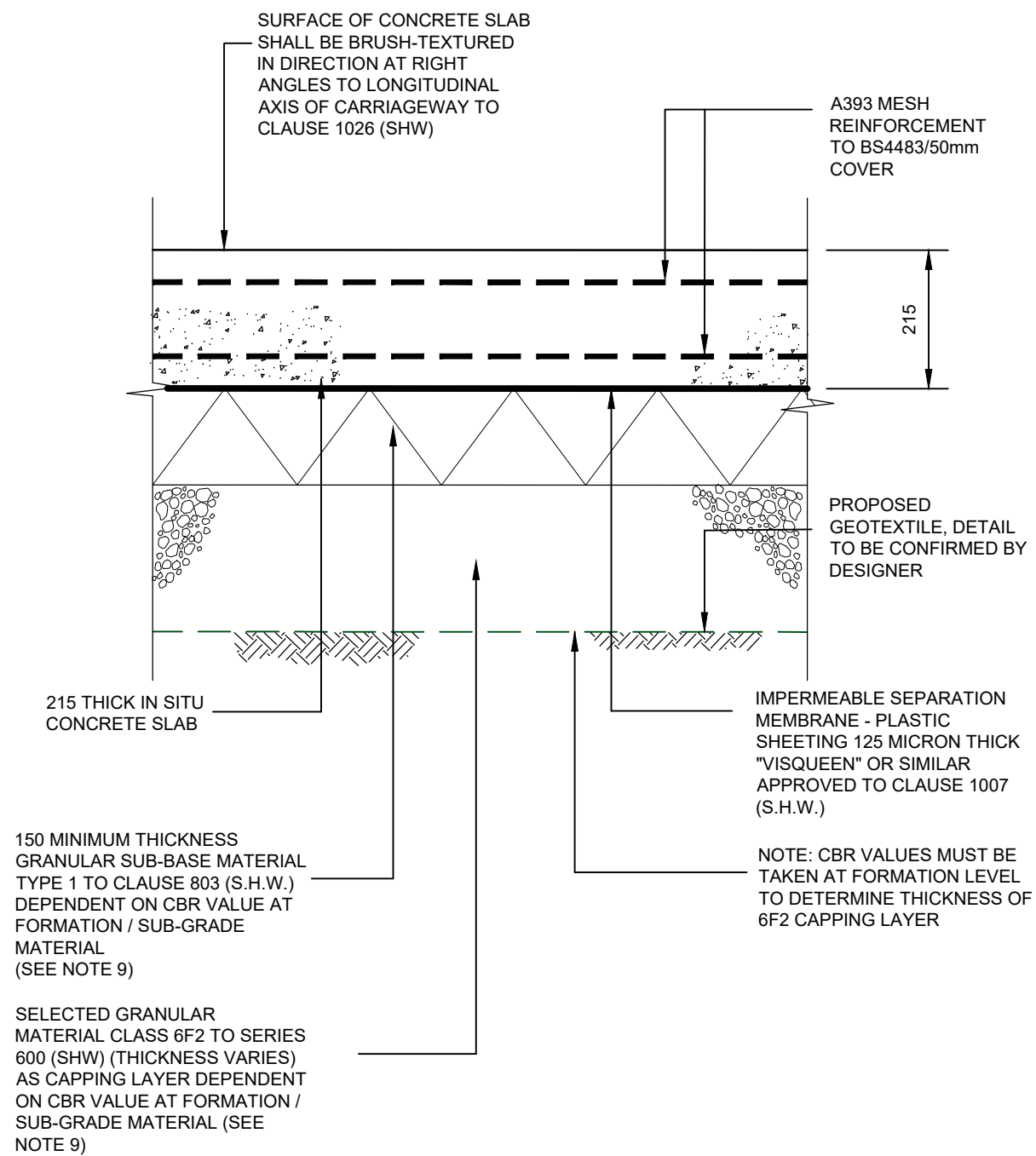
CONTRACTION JOINT (CJ)

SCALE 1:10



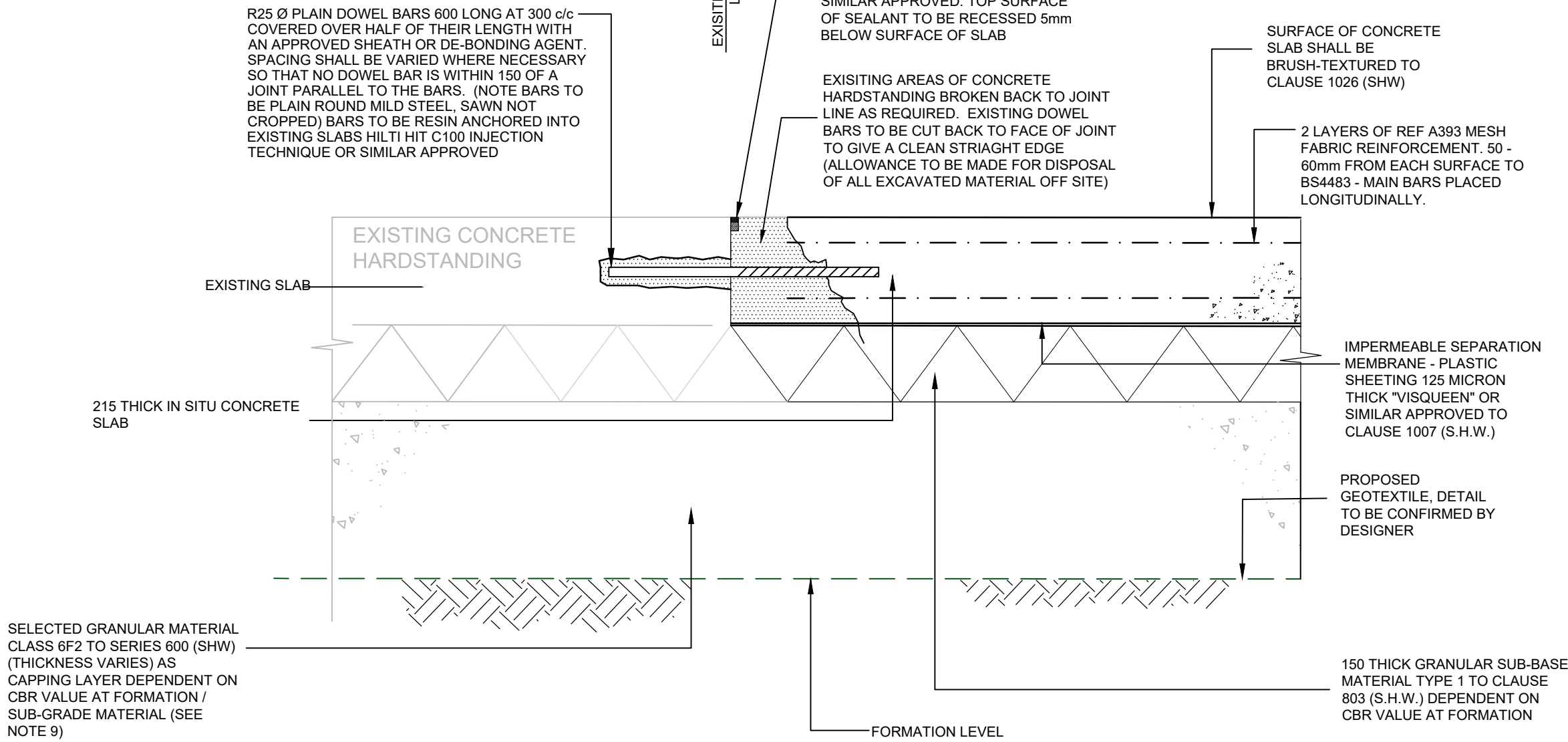
EXPANSION JOINT (EJ)

SCALE 1:10



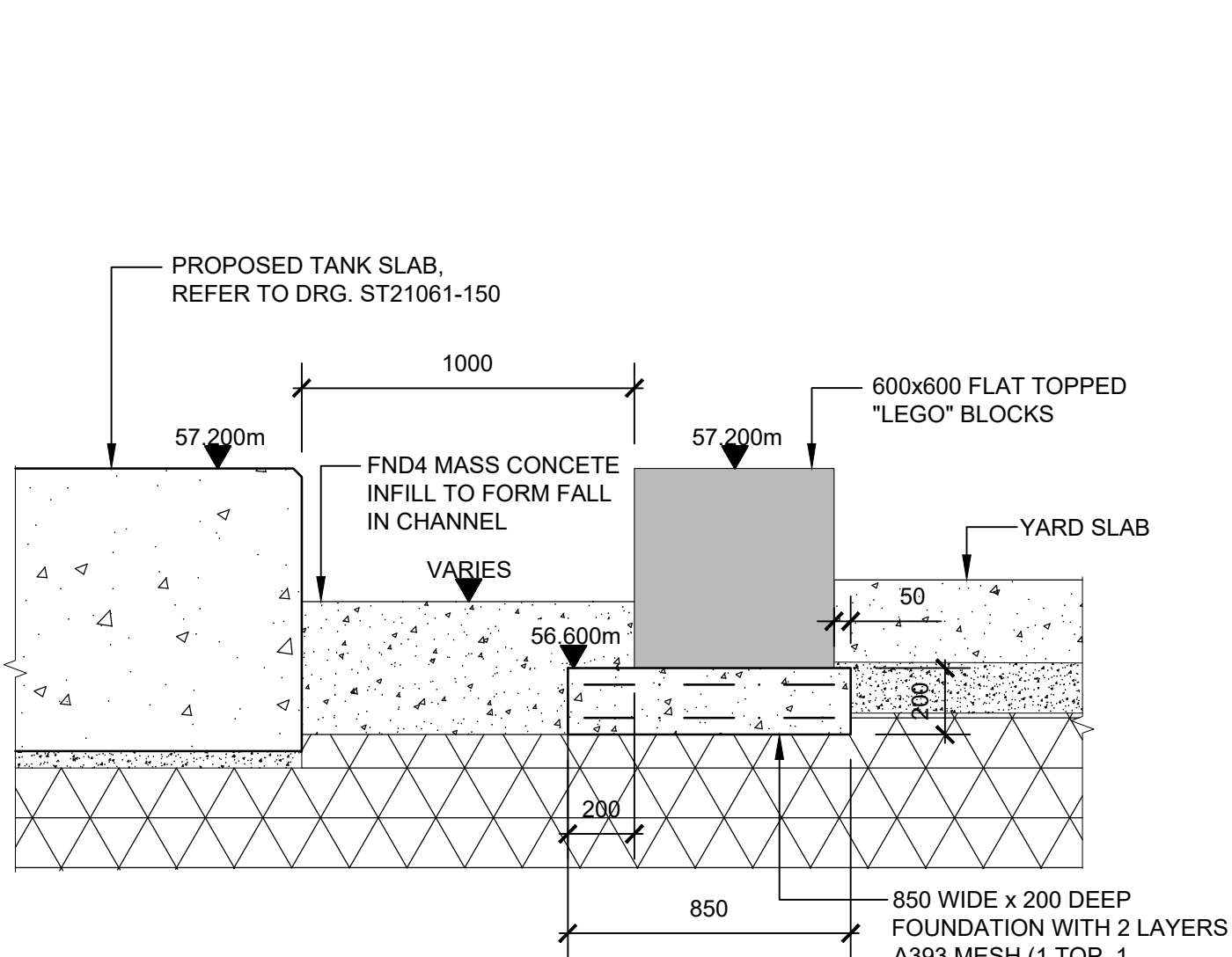
TYPICAL CONCRETE SLAB CONSTRUCTION DETAIL

SCALE 1:10



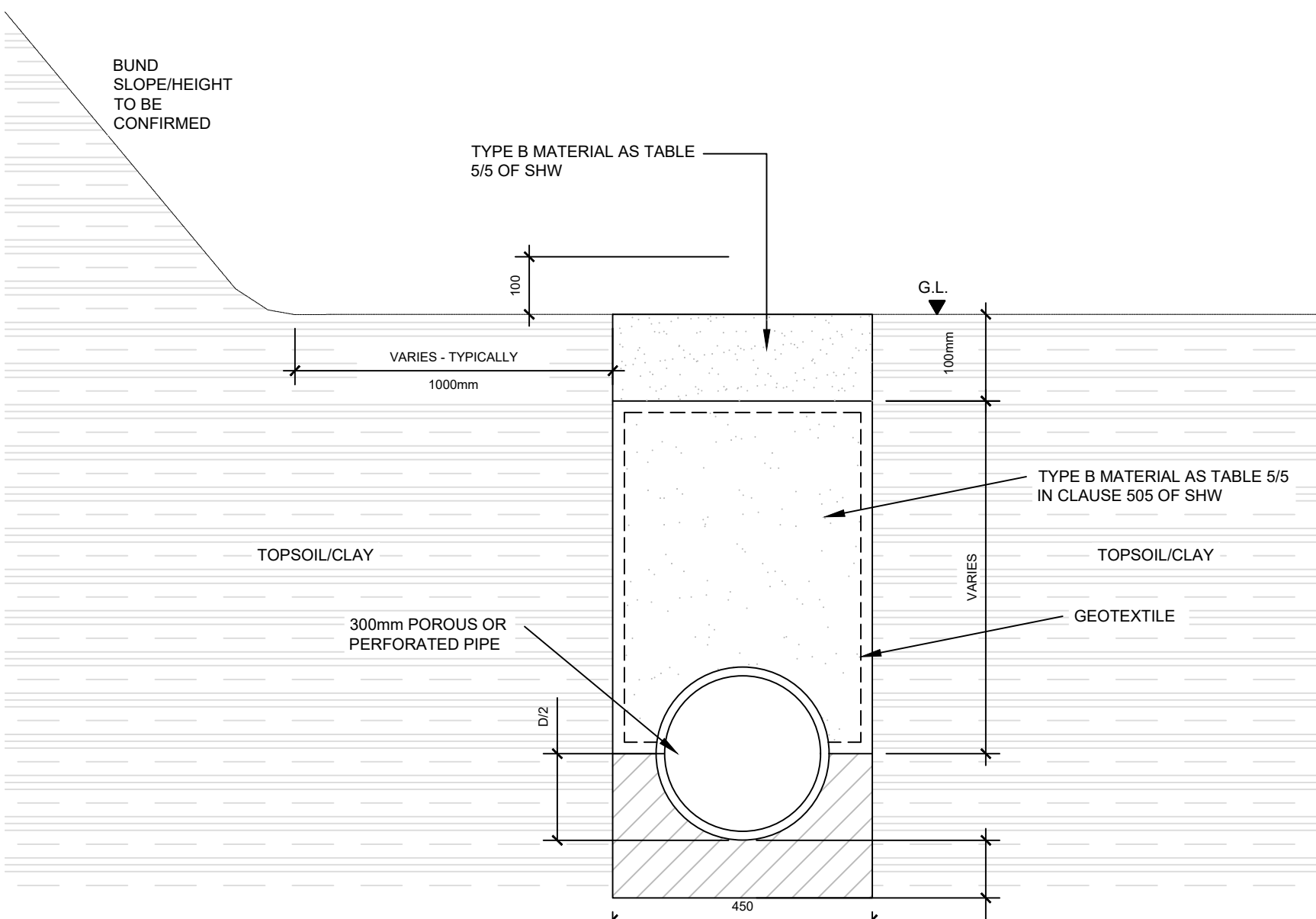
TYPICAL SECTION OF INTERFACE BETWEEN EXISTING CONCRETE
HARDSTANDING AND NEW CONCRETE CONSTRUCTION

SCALE 1:10



DRAINAGE CHANNEL DETAIL

SCALE 1:20



TYPICAL FILTER DRAIN DETAIL

SCALE 1:10

CONCRETE SPECIFICATION	
CONCRETE STRENGTH CLASS	C32/40
INTENDED WORKING LIFE	50 YEARS
DESIGN SULPHATE CLASS	
ACEC CLASS	AC-4s
DC CLASS	DC-4s
EXPOSURE CLASS	XC3/XC4
FREEZE THAW CLASS	XF4
NOMINAL COVER TO REINFORCEMENT	50mm
CHLORIDE CLASS	CI 0.40
MAXIMUM AGGREGATE SIZE	20mm
MAXIMUM WATER CEMENT RATIO	0.45
MINIMUM CEMENT CONTENT (kg/m³)	360
CONSISTENCE CLASS	S3
MINIMUM CONCRETE DENSITY	2500
ALLOWABLE CEMENT COMBINATION TYPES	IIIB + SR (DC-4)
MINIMUM AIR CONTENT	4.50%
SPECIAL AGGREGATE TYPES	FREEZE THAW RESISTING
SAMPLING AND TESTING	3 CUBES PER 20M³, BUT NOT LESS THAN 1 SET PER DAY. CUBES TESTED AT 7 AND 28 DAYS
ALL CONCRETE TO CONFORM TO BS 8500-2	
MIX DESIGN TO BE APPROVED BY WARDELL ARMSTRONG. CEMENT CONTENT AND W/C RATIO TO BE CONTROLLED TO REDUCE HEAT FROM HYDRATION.	

DO NOT SCALE FROM THIS DRAWING

- ALL DIMENSIONS IN MILLIMETRES UNLESS STATED OTHERWISE.
- FOR ISOLATION JOINT DETAIL, PLEASE REFER TO DRAWING ST21061-150 "PROPOSED LEACHATE TANK FOUNDATION".
- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER ENGINEERING DRAWINGS AND DETAILS AND CONTRACT DOCUMENTATION AND ANY DISCREPANCIES IN THE DETAILS SHOWN TO BE REPORTED TO THE ENGINEER PRIOR TO CONSTRUCTION.
- THE GENERAL SPECIFICATION OF MATERIALS AND WORKMANSHIP FOR THE CONSTRUCTION OF THE ACCESS ROAD, FOOTPATHS AND OTHER AREAS OF HARDSTANDING SHALL BE THE MANUAL OF CONTRACT DOCUMENTS FOR HIGHWAY WORKS, VOLUME 1, SPECIFICATION FOR HIGHWAY WORKS (SHW) PUBLISHED BY THE STATIONARY OFFICE, MARCH 1998 AND ALL SUBSEQUENT AMENDMENTS.
- ALL MATERIALS, UNLESS SPECIFIED OTHERWISE, SHALL COMPLY WITH THE RELEVANT BRITISH STANDARD. SOURCES OF MATERIALS ARE TO BE AGREED IN ADVANCE OF THE WORKS.
- ALL EXISTING SERVICES TO BE LOCATED AND WHERE NECESSARY DIVERSIONS UNDERTAKEN TO AVOID CONFLICT WITH THE PROPOSED WORKS.
- THE FORMATION OF CONCRETE PAVEMENTS AND FOOTWAYS SHALL BE PREPARED BY REMOVING ALL UNSUITABLE MATERIAL AND AN APPROVED WEEDKILLER SHALL BE SPRAYED ON THE SUB-FORMATION PRIOR TO CAPPING LAYER.
- ANY SOFT SPOTS AT THE UNDERSIDE OF CAPPING LAYER TO BE EXCAVATED AND REPLACED WITH AN APPROVED GRANULAR MATERIAL AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATION.
- | CBR VALUE AT FORMATION | SUB-BASE & CAPPING THICKNESS |
|---------------------------------------|-----------------------------------|
| CBR GREATER THAN 15% | 150mm SUB-BASE |
| CBR GREATER THAN 2% BUT LESS THAN 15% | 150mm SUB-BASE PLUS 300mm CAPPING |
| CBR LESS THAN 2% | 150mm SUB-BASE PLUS 850mm CAPPING |
- INTERFACE DETAIL BETWEEN PROPOSED SLAB AND EXISTING HARDSTANDING TO BE CONFIRMED FOLLOWING CONFIRMATION OF EXISTING CONSTRUCTION MAKE-UP TO DESIGNER

CONCRETE AND REINFORCEMENT

- RC1. ALL MATERIALS AND WORKMANSHIP TO COMPLY WITH CURRENT BRITISH STANDARDS AND CODES OF PRACTICE.
- RC2. ALL CONCRETE WORK TO BE IN ACCORDANCE WITH THE NATIONAL STRUCTURAL CONCRETE SPECIFICATION (NSCS) CURRENT EDITION.
- RC3. FOR CONCRETE MIX REFER TO CONCRETE SPEC TABLE.
- RC4. NOMINAL COVER TO REINFORCEMENT TO BE 50mm ALL SIDES.
- RC5. REINFORCEMENT BARS SHALL BE IN ACCORDANCE WITH BS8666:2020 WITH YIELD STRENGTH OF 500N/mm². ALL WIRE MESH SHALL BE IN ACCORDANCE WITH BS4483:2005 WITH A MINIMUM YIELD STRENGTH OF 500N/mm². ALL HIGH YIELD BARS TO BE DEFORMED TYPE 2. BARS TO BE SECURED AT ALL INTERSECTIONS.
- RC6. CONTRACTOR TO PROVIDE ALL CHAIRS AND SPACERS IN ACCORDANCE WITH BS7973 PARTS 1 AND 2 TO ENSURE COVER IS MAINTAINED.
- RC7. REINFORCEMENT TO HAVE THE FOLLOWING MINIMUM LAP LENGTHS: A393 Ø 10 - 410mm

FORMATION AND TESTING

- PT1. THE DESIGN OF THE FOUNDATIONS IS BASED UPON FOUNDING ONTO CLAY AND NOT WITHIN MADE GROUND/FILL MATERIAL.
- PT2. CONCRETE CUBES TO BE TAKEN AT A RATE OF 3 CUBES PER 100m³, AND NOT LESS THAN 1 SET OF 3 FOR EACH DAY. CUBES TO BE TESTED IN ACCORDANCE WITH BS EN 12390 AT 7 AND ANOTHER AT 28 DAYS. THE THIRD IS A SPARE TO BE KEPT FOR A MINIMUM OF 3 MONTHS.

P1	DRAINAGE CHANNEL DETAIL AMENDED	200804	LI		
P0	PRELIMINARY ISSUE	200804	LI		

WEST LONDON COMPOSTING

PERMIT VARIATION WEST LONDON

CONSTRUCTION DETAILS

DRG No.	ST21061-120	REV	P1	SUIT. CODE
DRG SIZE	A1	SCALE	AS SHOWN	DATE
DRAWN BY	LI	CHECKED BY		APPROVED BY

