

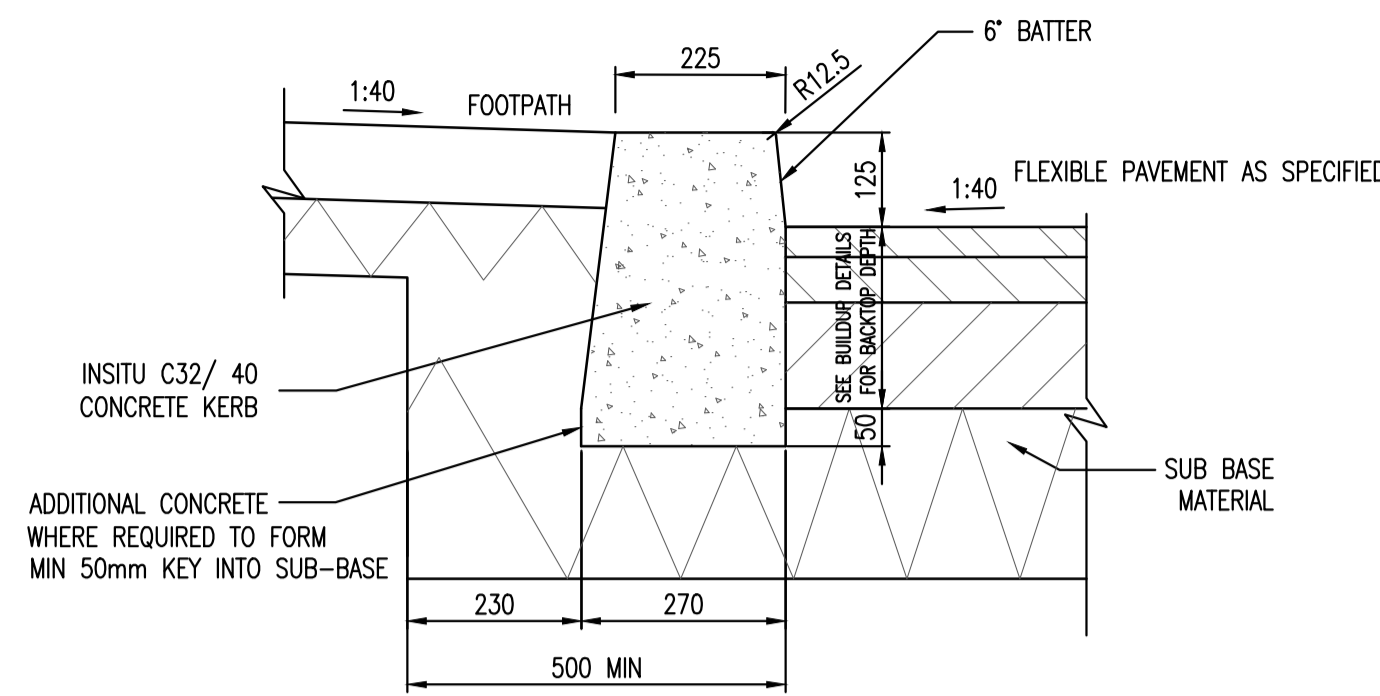
NOTES:

- DO NOT SCALE. USE FIGURED DIMENSIONS ONLY.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTURAL AND ENGINEERING DRAWINGS.

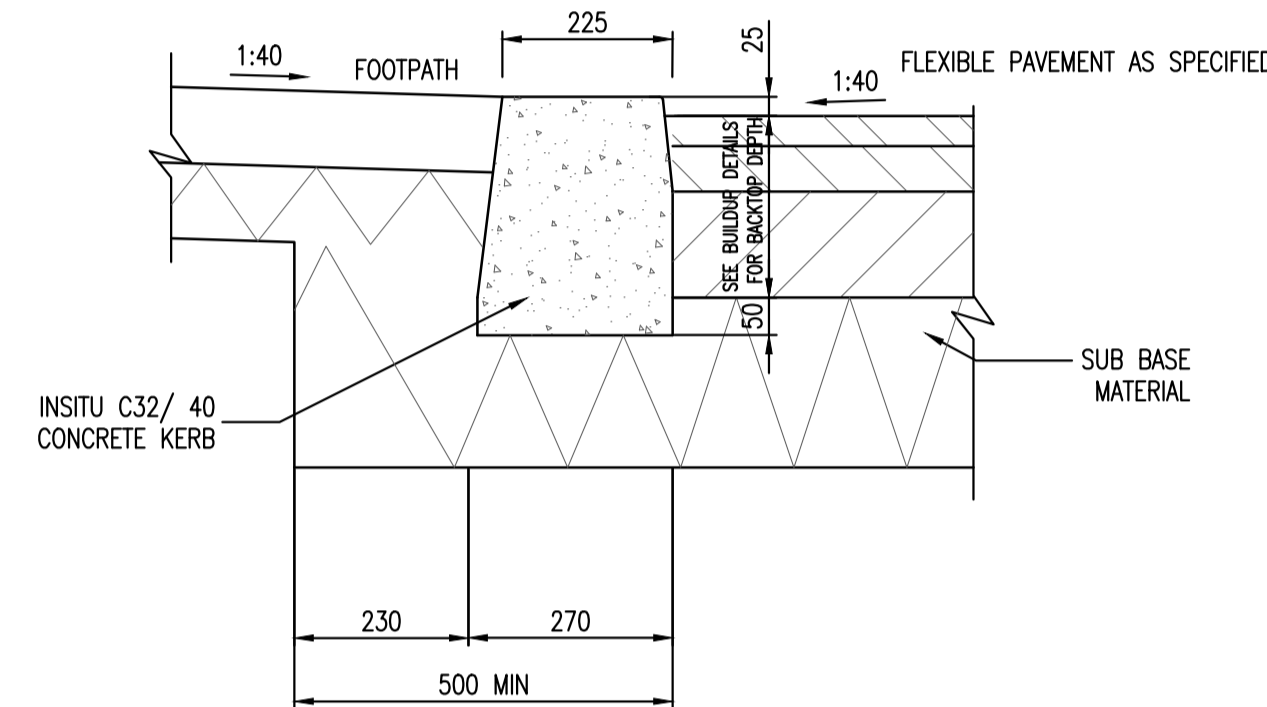
TABLE 1

CBR SUBGRADE %	BELOW 2	2	3 OR GREATER
THICKNESS OF SUB-BASE MM	550	400	300
ALTERNATIVELY (SUB-BASE WITH CAPPING)			
SUB-BASE THICKNESS MM	150	150	150
CAPPING THICKNESS MM	600	400	350

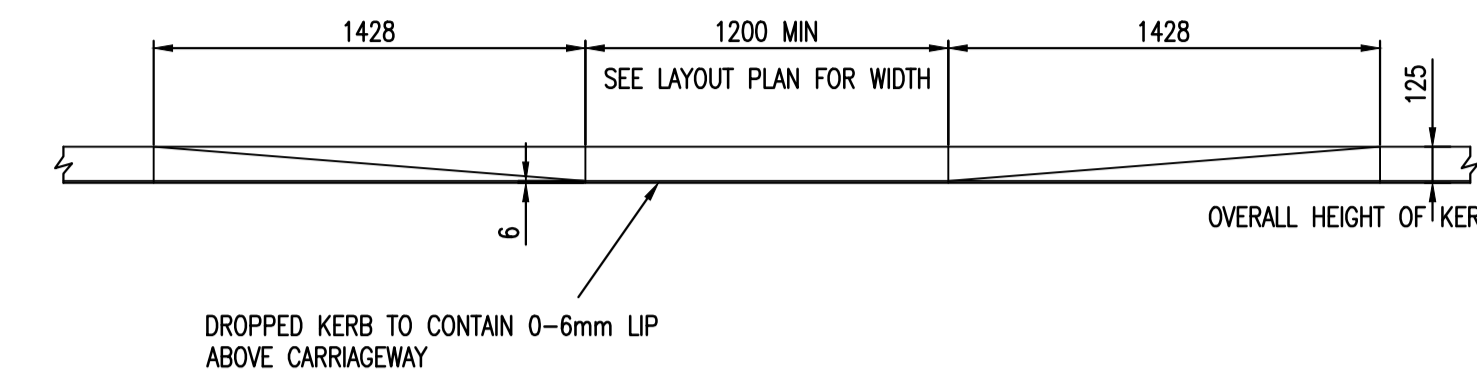
NOTE:- ROAD 1 SUBBASE THICKNESS C.B.R. TESTS TO BE TAKEN AT A RATE OF EVERY 50m. ALL C.B.R. RESULTS TO BE SUBMITTED TO THE ENGINEER PRIOR TO LAYING SUB-BASE FOR APPROVAL.



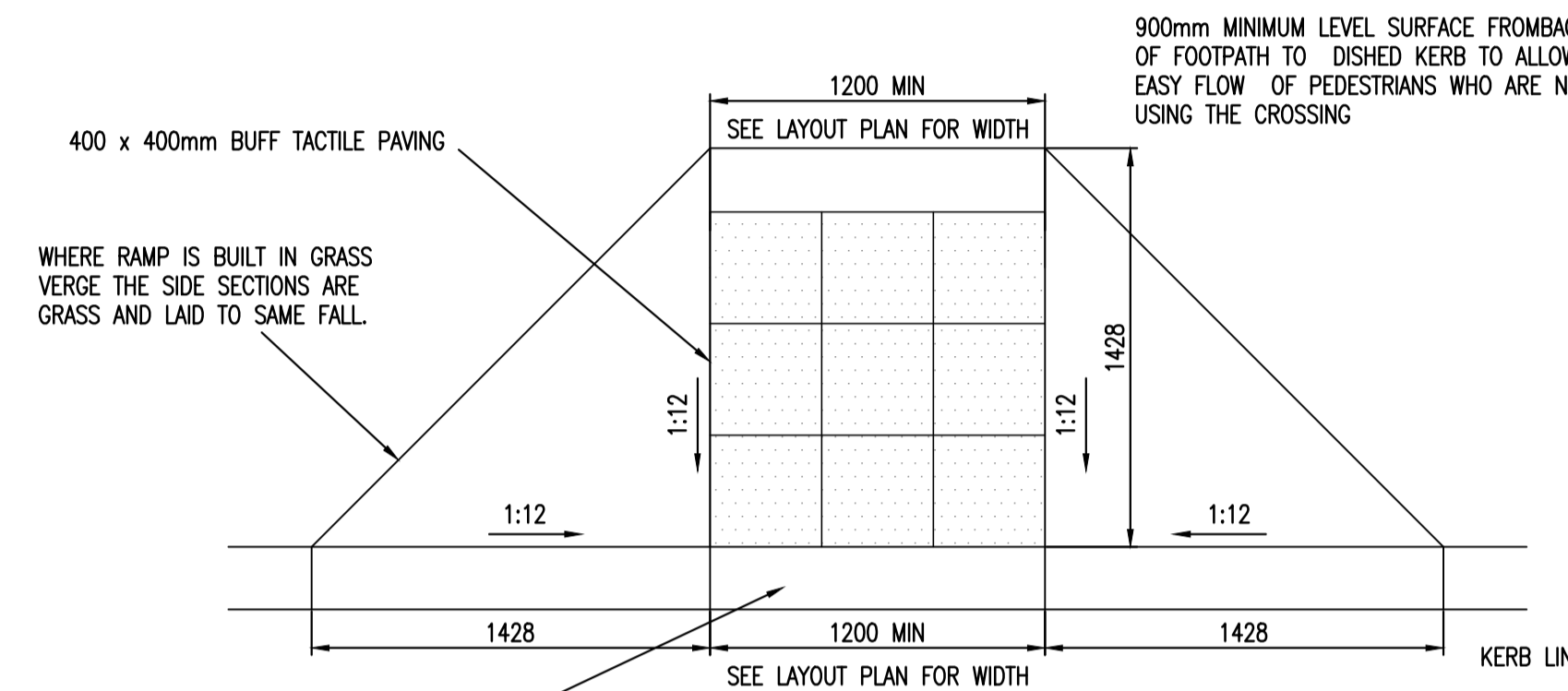
CAST IN-SITU CONCRETE KERB



CAST IN-SITU CONCRETE KERB AT VEHICULAR CROSSOVER

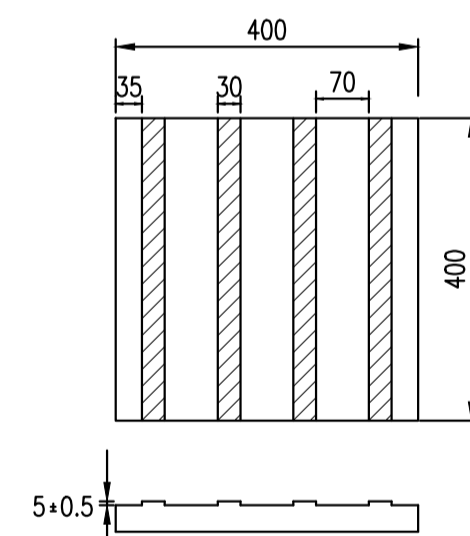


DROP KERB RAMP DETAIL FOR USE AT IN-LINE UN-CONTROLLED CROSSING SECTION SCALE 1:25

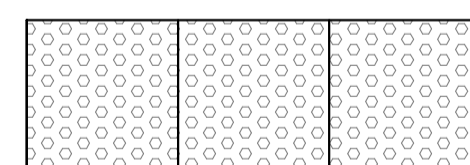


DROP KERB FOR USE AT IN-LINE UN-CONTROLLED CROSSING PLAN VIEW SCALE 1:25

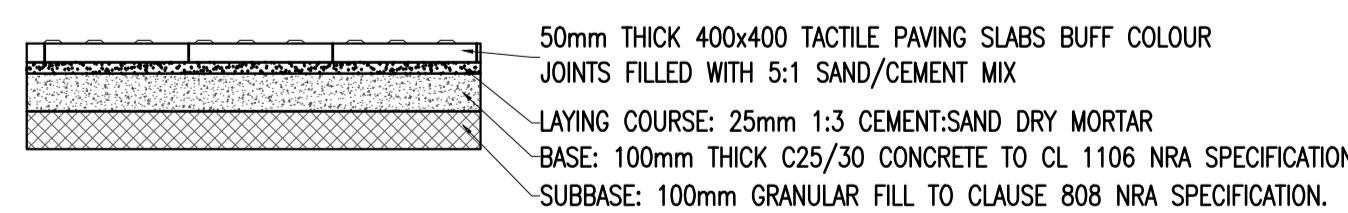
DROP KERB AS PER TRAFFIC MANAGEMENT GUIDELINES DIAGRAM 13.1 DISHED CROSSING



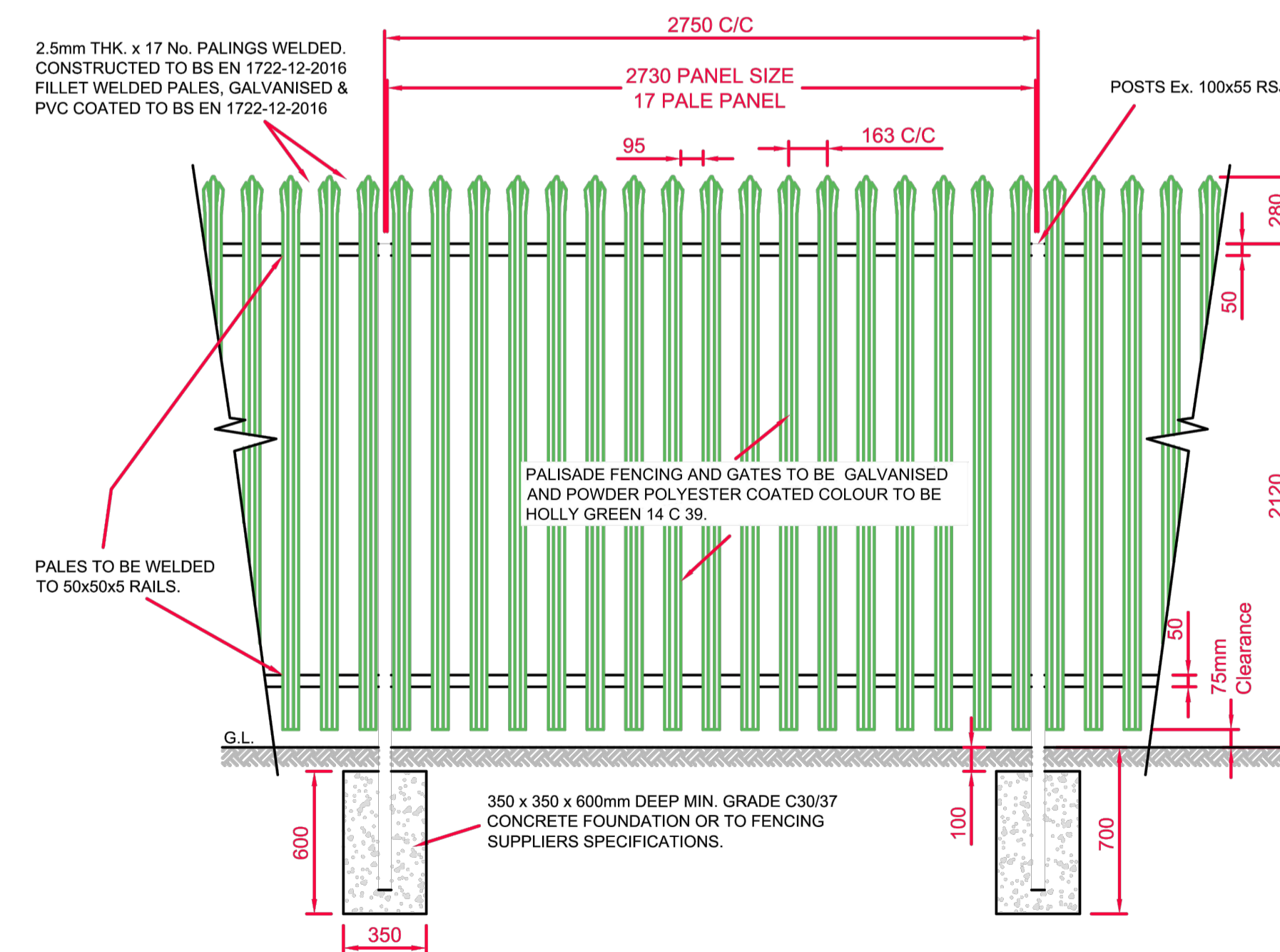
SEGREGATED SHARED CYCLE TRACK/FOOTWAY TACTILE PAVING



PROPOSED TACTILE PAVING - BLISTER SURFACE BUFF COLOUR



TACTILE PAVING BUILD UP



PANEL - ELEVATION

- ALL DIMENSIONS IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
- SECURITY FENCING SHALL COMPRISE 2.4m HIGH, CORROSION RESISTANT MILD STEEL FENCING, GALVANISED AND PLASTIC COATED FINISHED, WITH SIMILAR TYPE ACCESS GATES.
- THE ACCESS GATES SHALL BE OF SUFFICIENT WIDTH TO ACCOMMODATE MAINTENANCE VEHICLES, TANKERS, ETC. THE SECURITY GATES SHALL BE PROVIDED WITH SLIDE BOLTS, SHOOTING BOLTS AND PADLOCKS. IF OPENING OUTWARDS, THE ACCESS GATES SHALL BE SET BACK FROM PARKING AND ACCESS AREAS BY THE WIDTH OF THE LEAF OF THE GATE. BOLTS - UNLESS TAMPER RESISTANT FIXINGS ARE USED, ALL BOLTS TO THE ACCESS GATES & FENCING SHALL BE BURRED OVER.
- GATE HINGES SHALL BE DESIGNED SO THAT IT IS IMPOSSIBLE TO REMOVE THE GATE BY LIFTING WHEN IT IS IN A CLOSED & LOCKED POSITION. DROP BOLTS SHALL BE FITTED TO EACH GATE LEAF IN SUCH A WAY THAT THEY CANNOT BE REMOVED BUT ALLOW THE GATE TO BE SECURED IN BOTH THE OPEN & CLOSED POSITION.
- THE SECURITY RATING SHALL BE EITHER BASIC +, ENHANCED OR ENHANCED +. THE FENCE STANDARD WILL BE BASED ON THE SECURITY RATING OF THE SITE & IS TO BE AGREED WITH IRISH WATER.
- CORNER BRACING AND POST DETAIL TO MANUFACTURER'S SPECIFICATION.
- ALL FENCE MATERIALS AND WORKMANSHIP TO BE IN ACCORDANCE WITH IS EN 1722-14 : 2006.
- DIMENSIONS OF GATE PILLARS, GATE FRAME, FENCE PILLARS, FENCE RUNNERS, DIAGONALS, ETC. TO BE TO MANUFACTURER'S SPECIFICATION.
- FENCE/GATE DESIGN AND DETAILS TO BE PROVIDED TO IRISH WATER FOR REVIEW / VETTING BEFORE MANUFACTURE.
- PEDESTRIAN GATE SHALL BE PROVIDED IF DEEMED NECESSARY BY IRISH WATER.
- COLOUR TO BE HOLLY GREEN 14 C 39 IN ACCORDANCE WITH BS 4800:2011.
- A 300mm WIDE x 150mm DEEP CONCRETE SILL (IF REQUIRED BY IRISH WATER) GRADE C20/25 CONCRETE SHALL BE PROVIDED TO IRISH WATER'S REQUIREMENTS (ENHANCED + SECURITY RATING ONLY).
- THE GATES SHALL HAVE THE FOLLOWING SECURITY FEATURES:
 - GATE LOCKING MECHANISM SHALL INCLUDE A SHROUD COVER PROTECTING THE PADLOCK FROM ATTACK AND THE SLIP BOLT SHALL BE OF HIGH CARBON STEEL -TECHNICAL SPECIFICATION TO BE INCLUDED IN THE DESIGN SUBMISSION FOR REVIEW / VETTING BEFORE MANUFACTURE.
 - DROP BOLTS SHALL BE FITTED TO EACH GATE LEAF IN SUCH A WAY THAT THEY CANNOT BE REMOVED BUT ALLOW THE GATE TO BE SECURED IN BOTH THE OPEN POSITION, AND USING ONE OF THE DROP BOLTS TO LOCK IN A CLOSED POSITION.
 - DROP BOLTS SHALL BE A MINIMUM OF 650MM IN LENGTH WITH 50MM CONTAINED IN A STEEL RETAINER IMBEDDED IN CONCRETE, PROTECTING AGAINST FORCED ATTACK OF THE GATE.
 - THE DESIGN SHALL INCLUDE A METAL STAY ATTACHED TO THE LEAF 2 TO PREVENT THE DROP BOLT FROM BEING ACTIVATED ON LEAF 1 WHILE THE GATE IS IN A LOCKED POSITION AND TO ENSURE THAT THE GATE CANNOT BE LOCKED BY AN OPERATOR UNLESS A DROP BOLT IS ENGAGED IN A RECEIVER.
 - A CRASH PLATE SHALL BE INSTALLED ON LEAF 1 TO PREVENT LEAF 2 FROM SWINGING PASSED THE CLOSE POINT OF THE GATE. THE CRASH PLATE SHALL IN ADDITION BE INSTALLED SUCH THAT IT PROVIDES RESTRICTED ACCESS TO THE SLIDE BOLT, IMPEDING ATTEMPTS OF CUTTING OF SAME.
 - BRACKETS ATTACHING FENCE PANELS TO FENCE POST TO BE CONSTRUCTED OF 5MM STEEL WITH TAMPER PROOF CONNECTIONS

16/03/22	AN BORD PLEANALA SUBMISSION	PW	EC
REV.	DATE	AMENDMENT	DRN APPD

STATUS **FOR PLANNING ONLY NOT FOR CONSTRUCTION**

Waterman Moylan
Engineering Consultants
BLOCK 8, EASTPOINT BUSINESS PARK, ALFIE BYRNE ROAD, DUBLIN D03 H3F4 IRELAND. Tel: (01) 664 8900 Email: info@waterman-moylan.ie www.waterman-moylan.ie

CLIENT	CAIRN HOMES PROPERTIES LTD.		
ARCHITECT	MCORM ARCHITECTS		
PROJECT	SHD AT HOLYBANKS, SWORDS		
TITLE	STORMWATER STORAGE TANK FOOTPATH & BOUNDARY DETAILS		
DRAWN	DESIGNED	APPROVED	DATE
MS	MD	MD	MARCH 2022
SCALE	JOB NO.	DRG. NO.	REVISION
NTS	17-088	P260	