

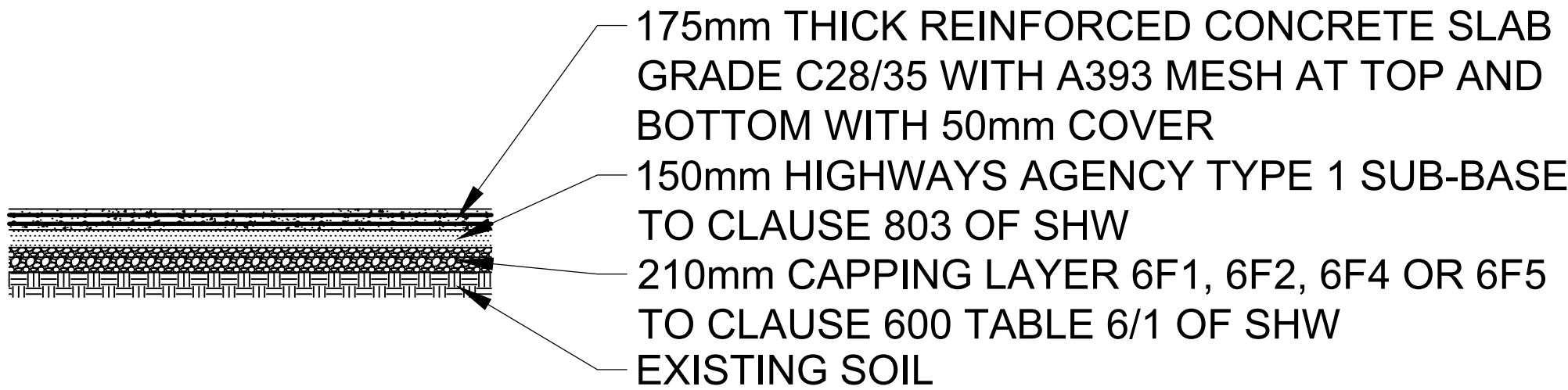
SITE PLAN
1:100

KING POST WALL NOTES

- STEEL POSTS
 - ALL NEW STEEL TO BE GRADE S355 TO BS EN 10025 AND HOT DIP GALVANISED. ZINC COATING TO BE MINIMUM 200µm
 - THE FABRICATOR IS TO DESIGN AND DETAIL ALL CONNECTIONS NOT SHOWN ON CONISBEE DRAWINGS.
 - STEEL POSTS ARE TO BE 254x254x89 UC SECTIONS AND SET IN CONCRETE PILES.
 - STEEL HEIGHT ABOVE GROUND IS TO BE 2000mm.
 - SPACING OF NEW STEEL POSTS IS TO BE 2650mm U.N.O.
 - WHERE RIGHT ANGLES ARE FORMED IN THE KING POST WALL (i.e. AT CORNERS AND WHERE THE BAY DIVIDERS ARE LOCATED), A 230x90x32 PFC SECTION WILL BE WELDED TO THE FLANGE OF THE UC SECTION. WELD TO BE 6mm CFW ALONG ALL EDGES.
 - BAY DIVIDER WALLS TO BE 2000mm HIGH ABOVE GROUND TO MATCH EXTERNAL WALLS.
 - UC SECTIONS AT ENDS OF BAY DIVIDER WALLS TO BE EMBEDDED TO SAME SPECIFICATIONS AS UC SECTIONS WITHIN THE WALLS.
- PILES
 - PILES FOR UC SECTIONS TO BE EMBEDDED IN ARE CONTRACTOR DESIGN PORTION. CONTRACTOR TO CONSULT SI REPORT AND UNDERTAKE THEIR OWN VERIFICATION CHECKS BEFORE SUBMITTING THEIR DESIGN TO THE SE FOR COMMENT.
 - PILES TO BE DESIGNED FOR 180kN UNFACTORED LATERAL LOAD ON THE PILE HEAD.
 - PROVISIONALLY ALLOW FOR UP TO 6000mm EMBEDMENT LENGTH FOR UC SECTIONS IN PILES. TO BE ADJUSTED PRO RATA FOLLOWING CONTRACTOR'S DESIGN.
- CONCRETE PANELS & TIMBER SLEEPERS
 - A PRECAST CONCRETE PANEL IS TO BE PLACED AT THE BASE OF EACH NEW WALL BAY, MEASURING 1000mm TALL, 150mm THICK, AND 2600mm LONG.
 - SEVERAL SHORTER PANELS CAN BE USED INSTEAD OF A SINGLE 1000mm TALL PANEL. WHERE BAYS ARE SHORTER, SHORTER PANELS SHOULD BE SOURCED, ALLOWING FOR 50mm TOLERANCE IN LENGTH FOR INSERTING INTO BAY. LONGER PANELS MAY BE CUT ON SITE SUBJECT TO MANUFACTURER'S APPROVAL.
 - PRECAST CONCRETE PANEL TO BE SOLID REINFORCED CONCRETE ELEMENT WITH CAPACITY TO SUPPORT 44kN/m² UNFACTORED SURCHARGE LOAD. PANEL TO HAVE CAPACITY FOR LOADING FROM ONE OR BOTH SIDES.
 - UNTREATED HARDWOOD TIMBER SLEEPERS ARE TO BE USED ABOVE THE CONCRETE PANEL, MEASURING 250mm TALL, 150mm THICK, AND 2600mm LONG. 4 no. TIMBER SLEEPERS PER WALL BAY. WHERE BAYS ARE SHORTER, TIMBER SLEEPERS CAN BE TRIMMED ON SITE TO SUIT BAY LENGTH.
 - TIMBER AND CONCRETE SLEEPERS ARE TO BE PACKED WITHIN THE FLANGES OF THE UC SECTION WITH A STRIP OF HARDWOOD TIMBER OF SUFFICIENT THICKNESS TO HOLD SLEEPERS SNUGLY IN PLACE AND ATTACHED TO ONE FLANGE OF THE UC SECTION USING SIKAFLEX 292i HIGH-STRENGTH MARINE ADHESIVE.
 - SHOULD NEW TIMBER SLEEPERS BE TOO THICK FOR THE EXISTING STEEL I-SECTIONS, A NOTCH CAN BE FORMED LOCALLY AT EACH END TO ENSURE A SNUG FIT WITHIN THE FLANGES.



LOCATION OF NEW POST/PILE



1 SLAB AND SUB-BASE BUILD UP DETAIL
1:50

GENERAL NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, ENGINEERS AND SPECIALIST DRAWINGS AND SPECIFICATIONS
- DO NOT SCALE FROM THIS DRAWING IN EITHER PAPER OR DIGITAL FORM. USE WRITTEN DIMENSIONS ONLY.
- THE SHW ACRONYM REFERS TO THE MANUAL OF CONTRACT DOCUMENTS FOR HIGHWAY WORKS - VOLUME 1 SPECIFICATION FOR HIGHWAY WORKS.
- HEALTH & SAFETY: THE WORKS SHALL BE CARRIED OUT BY SPECIALIST COMPETENT AND EXPERIENCED CONTRACTORS WHO ARE MEMBERS OF A RECOGNISED NATIONAL ORGANISATION. OPERATIVES SHALL HAVE RECEIVED FULL AND APPROPRIATE TRAINING FOR THE OPERATIONS THEY ARE TO UNDERTAKE. ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH ALL PERTINENT HEALTH AND SAFETY REGULATIONS.

NEW SLAB NOTES

- SLAB CONCRETE TO BE C28/35.
- ANY SOFT SPOTS IN THE FORMATION ARE TO BE REPORTED TO THE ENGINEER PRIOR TO COMMENCEMENT OF ANY PAVEMENT WORKS. ALL SOFT SPOTS SHALL BE REMOVED AND REPLACED WITH A FILL MATERIAL TO THE DESIGN ENGINEER'S SPECIFICATION.
- SUB-BASE MATERIAL SHALL BE TO BS EN 13285 AND TABLE 8/1 OF THE SHW.
- SUB-BASE MATERIAL SHALL BE LAID IN ACCORDANCE WITH CLAUSE 802 OF THE SHW.
- CAPPING MATERIAL SHALL COMPLY WITH BS 1377 AND TABLE 6/1 OF THE SHW.
- CAPPING MATERIAL SHALL BE COMPACTED IN ACCORDANCE WITH TABLE 6/4 OF THE SHW.
- NEW SLAB TO BE POURED LEVEL WITH EXISTING SLAB.

GATE NOTES

- GATE TO BE SELF-SUPPORTING, SINGLE LEAF, STEEL FRAMED GATE AND POST WITH TIMBER INFILL PANELLING.
- STEEL TO BE BLACK POWDER COATED.
- GATE TO HAVE MINIMUM 25 YEAR SERVICE LIFE GUARANTEE.
- HINGE/POST ARRANGEMENT TO ALLOW GATE TO SWING OPEN 180 DEGREES TO PREVENT GATE BLOCKING PATH.
- LENGTH OF GATE GOVERNED BY PATH WIDTH AT FINAL GATE LOCATION.
- CONTRACTOR TO SUBMIT GATE PROPOSAL FOR CLIENT APPROVAL BEFORE ORDERING.

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