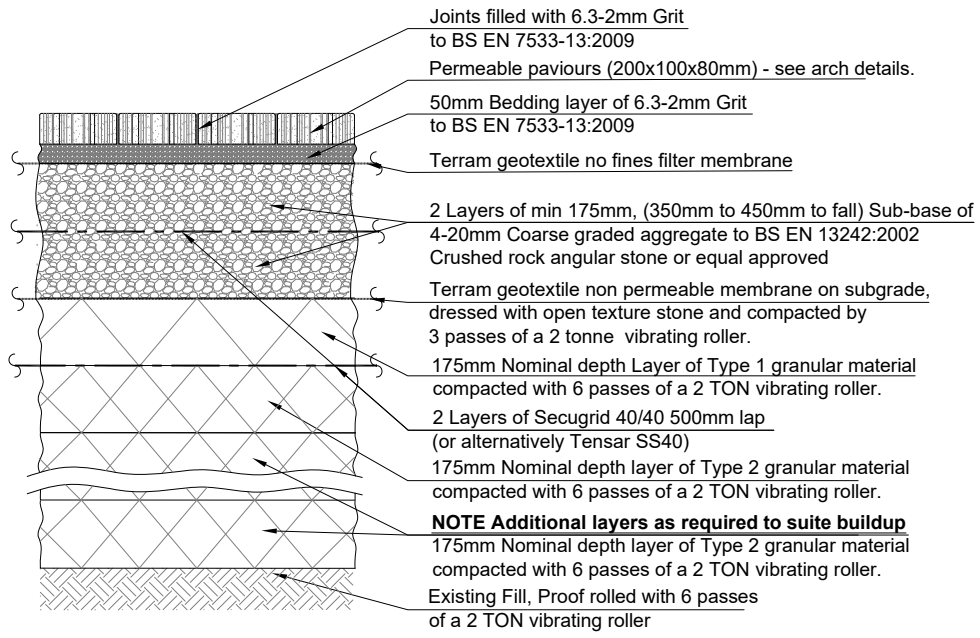


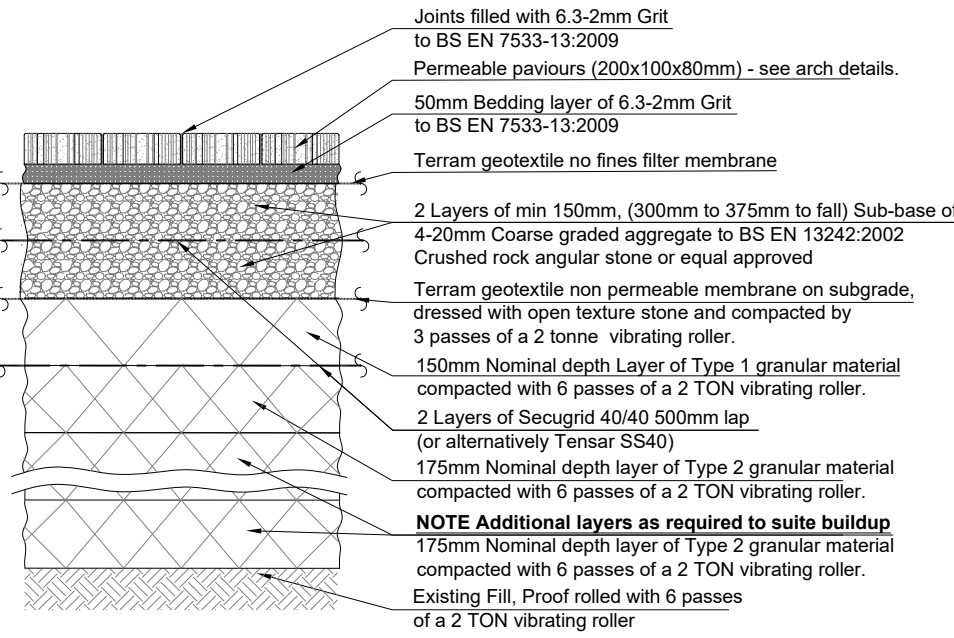
DO NOT SCALE



SPECIFICATION - A

TYPICAL BUILDUP DETAIL OF PERMEABLE ACCESS ROAD, DRIVE THROUGH AND LOADING BAY AREA

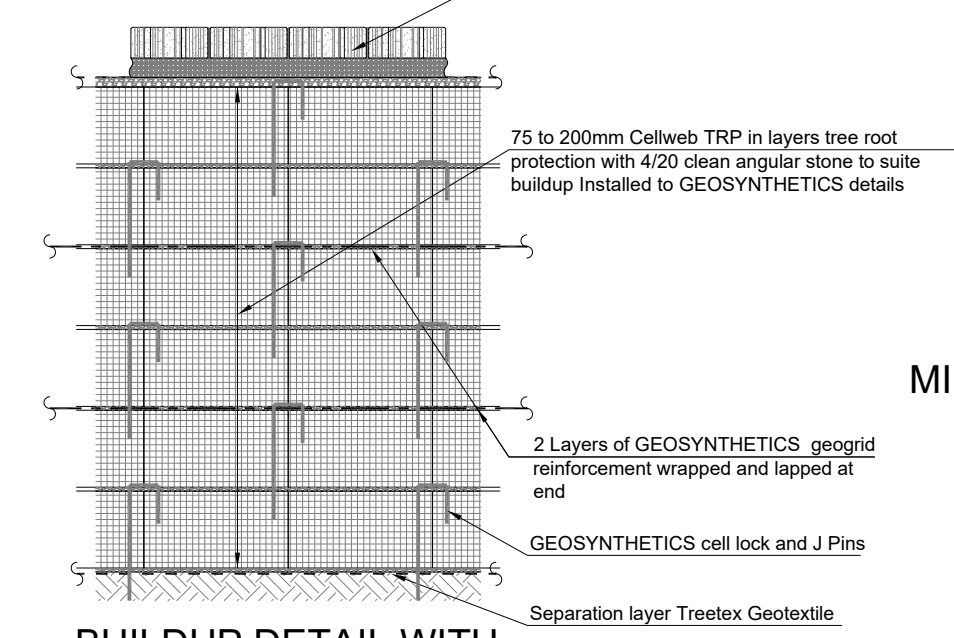
(Scale 1:20)



SPECIFICATION - B

TYPICAL BUILDUP DETAIL OF PERMEABLE CAR PARKING BAY AREA

(Scale 1:20)



BUILDUP DETAIL WITH FULL DEPTH CELLWEB AREA

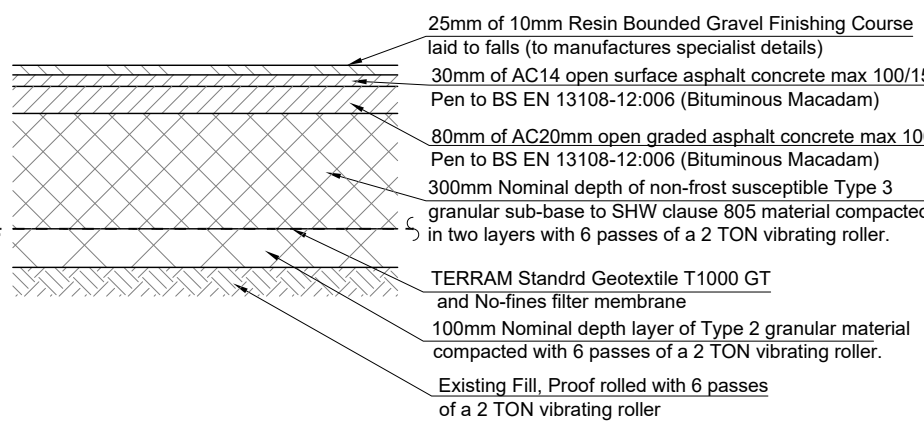
BUILDUP DETAIL WITH MINIMAL DEPTH CELLWEB AREA

NOTE
Geosynthetic Cell Web details / buildup shown are taken from initial review with Geosynthetics and are subject to full detailed design from Geosynthetics as part of contractor design element

SPECIFICATION - C

TYPICAL BUILDUP DETAIL FOR SPECIFICATION A and B AREAS WITH REQUIRED OPTION FOR FULL DEPTH CELLWEB AREA AND MINIMAL DEPTH CELLWEB AREA

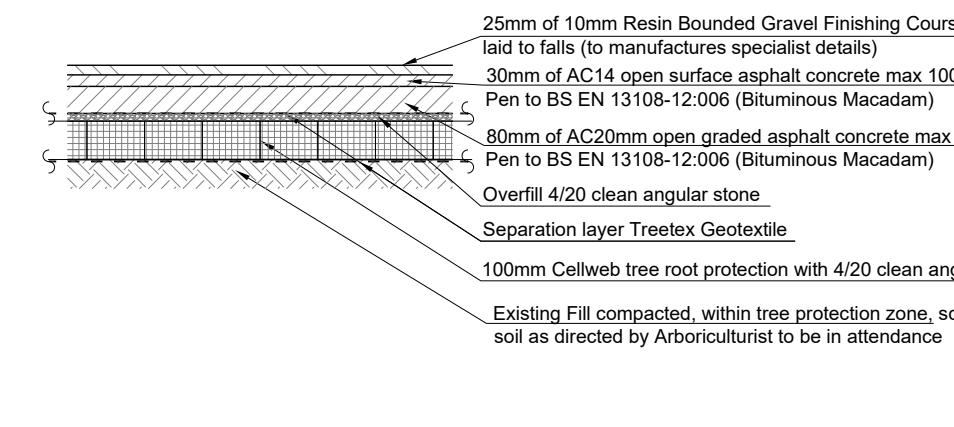
(Scale 1:20)



SPECIFICATION - D

RESIN BOUNDED PEDESTRIAN FOOTPATH LINK AREA BUILDUP

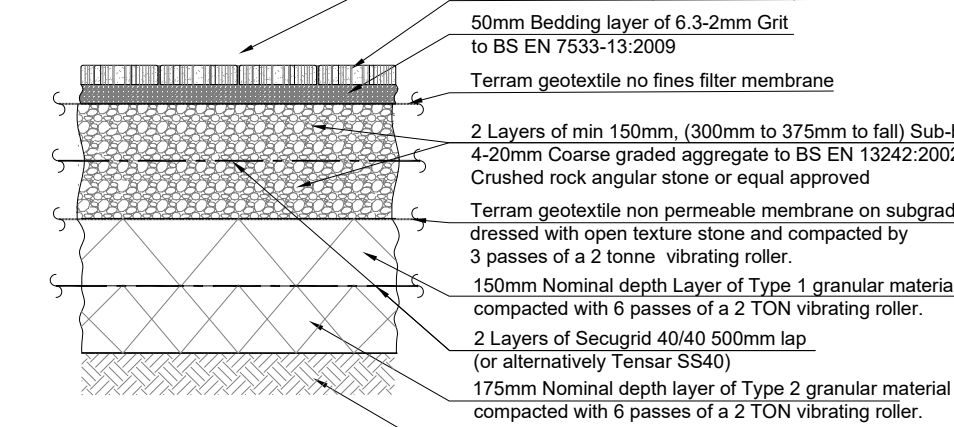
(Scale 1:20)



SPECIFICATION - E

RESIN BOUNDED PEDESTRIAN FOOTPATH LINK AREA WITH CELLWEB BUILDUP

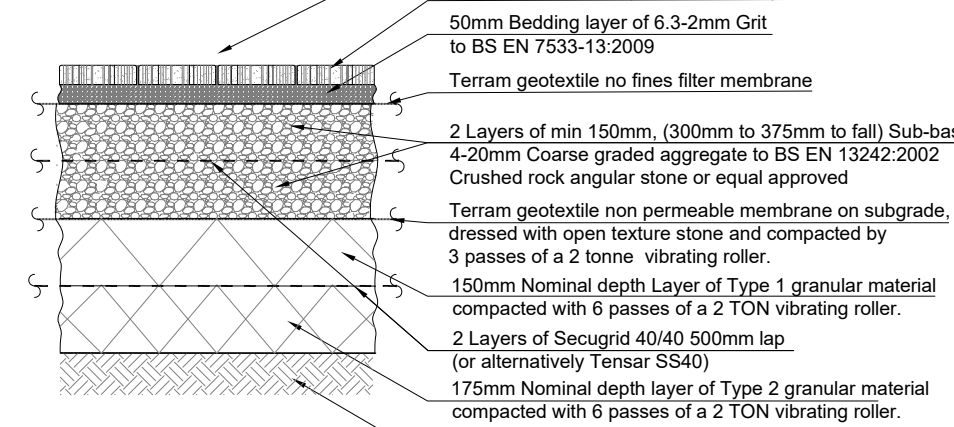
(Scale 1:20)



SPECIFICATION - F

TYPICAL BUILDUP DETAIL OF PERMEABLE PEDESTRIAN TERRACING AREA

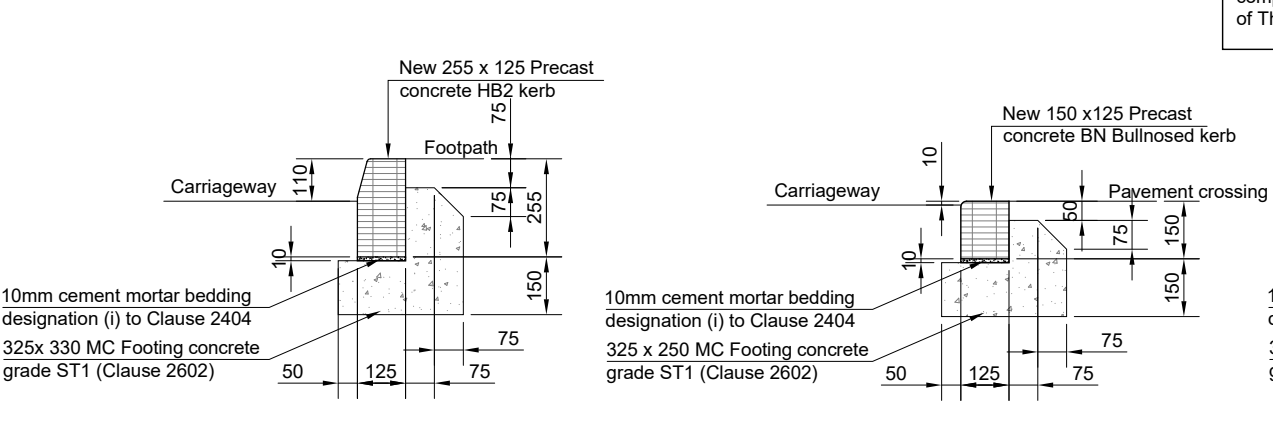
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SPECIFICATION - G

TYPICAL BUILDUP DETAIL OF PERMEABLE PEDESTRIAN TERRACING AREA

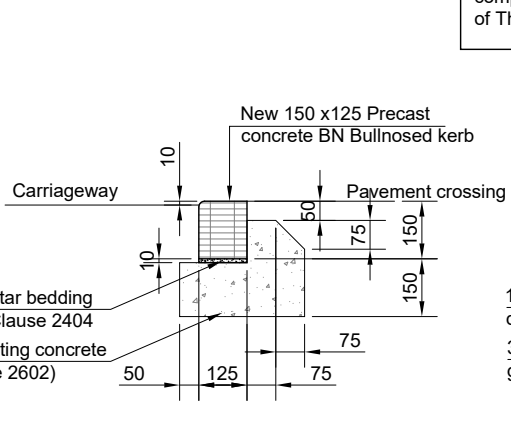
(Scale 1:20)



HALF BATTERED KERB DETAIL

(KD1)

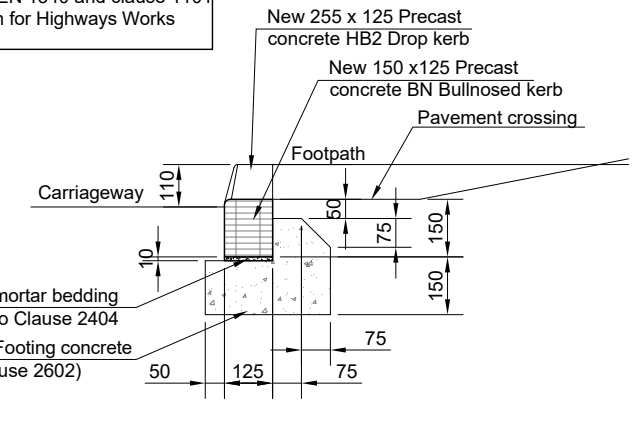
(Scale 1:20)



FLUSH KERB DETAIL

(KD2)

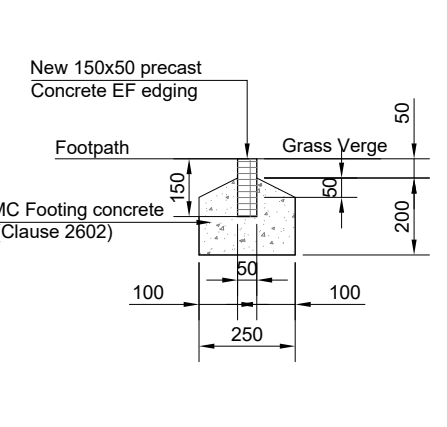
(Scale 1:20)



DROP KERB DETAIL

(DK3)

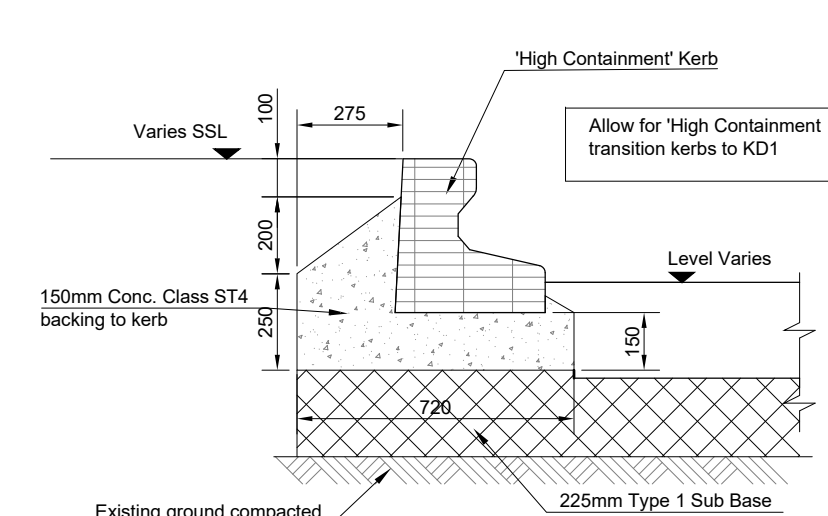
(Scale 1:20)



KERB EDGING DETAIL

(KD4)

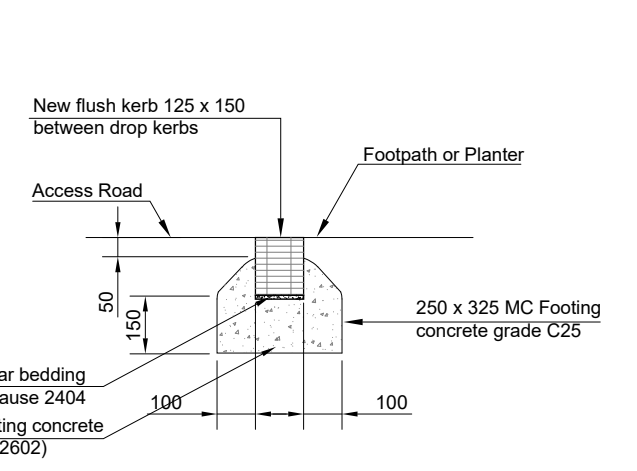
(Scale 1:20)



HIGH CONTAINMENT KERB DETAIL

(KD5)

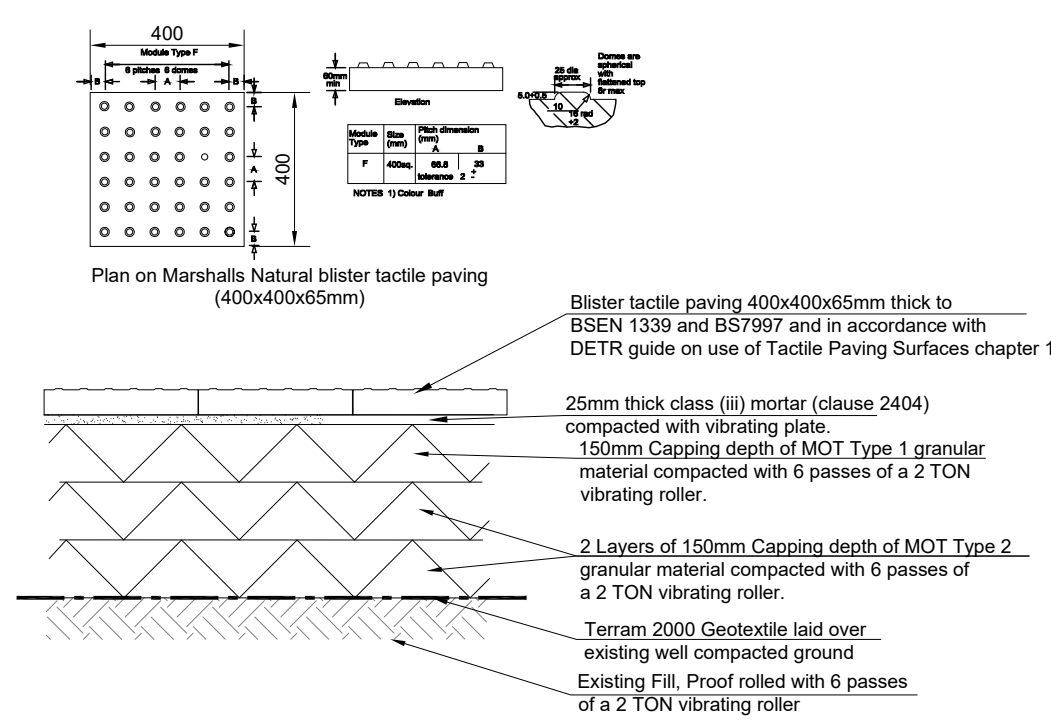
(SCALE 1:25)



DEMARICATION KERB DETAIL

(KD6)

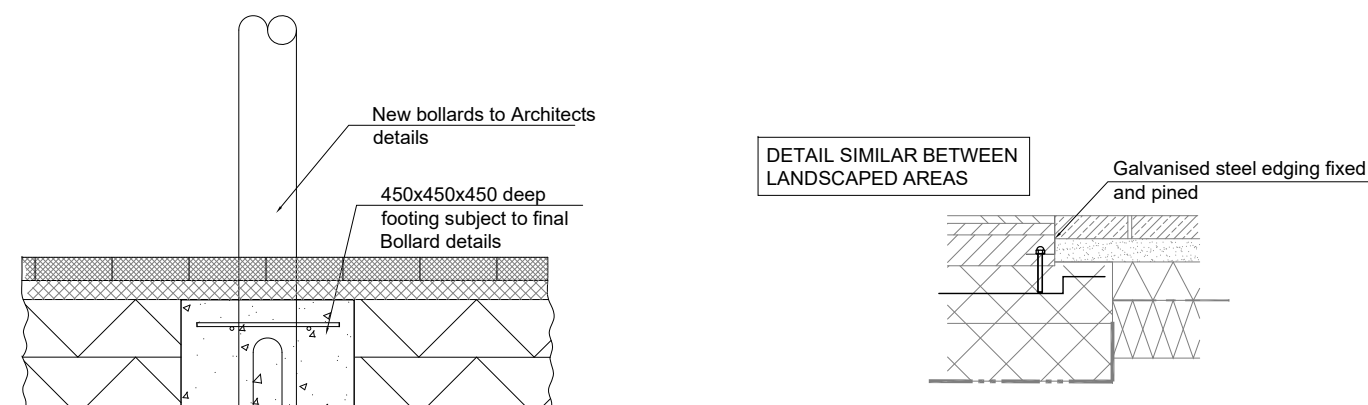
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SPECIFICATION

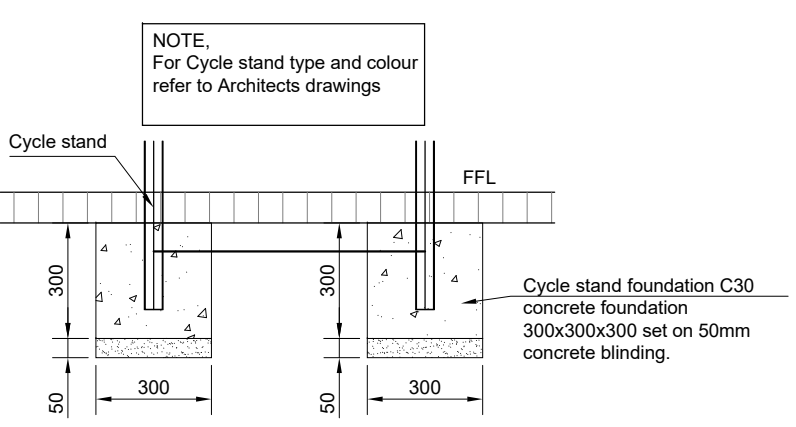
TYPICAL BUILDUP OF DETAIL OF BLISTER TACTILE PAVING

(Scale 1:20)



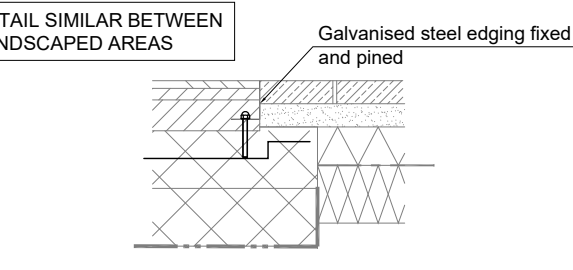
BOLLARD DETAIL

(Scale 1:20)



CYCLE STAND PAD FOOTINGS

(SCALE 1:20)



HARD STANDING CELLWEB AREAS EDGE FIXING DETAIL

(Scale 1:20)

GENERAL NOTES

STEELWORK

All steelwork to be designed in accordance with BS EN 1993-1-1, 2005 unless stated otherwise, all steel shall be to BS EN 10025.
All structural steelwork is to be grade S355 except where noted otherwise
All steelwork is to be full profile and continuous, all end plates/capping plates are to be F.S.B.W. to RHS/CHS with plate edges prepared.
Following installation the steelwork shall be cleaned and prepared and any damage caused to the protective coating during construction shall be spot primed prior to final decoration.

Any connection shall be made using a minimum of 4no. M16 bolts or as specified on the drawings and details.
All bolts shall be grade 8.8.
All welds shall be 8mm fillet, except where specified otherwise.
All welds are to be full profile and continuous, all end plates/capping plates are to be F.S.B.W. to RHS/CHS with plate edges prepared.
All end plates/capping plates to be profiled to shape of section.
All end plates to be a laminar-free material.
For forced design loads refer to calculations and all connection shall be designed for the loads noted in SIMPSON TWS Calculation package.
At beam to column connections, the centre line of the column shall coincide with the centre line of the beam unless noted otherwise.
Steelwork built into masonry walls or in contact with masonry shall be painted with 3 coats of R/W or similar approved bitumastic paint.
All steelwork below ground to be encased in minimum 75mm structural grade concrete wrapped in D49 mesh.

FIRE PROTECTION

All structural steelwork requires a minimum protection period to be confirmed by Others

CONCRETE

The concrete used shall be as follows:
Concrete characteristic design strength at 28 days:
Blinding Grade C20
Reinforced concrete Grade C32/40
Mass concrete strip footings and pad foundations:
Crushing strength: 25 N/mm²
Minimum Cement Content: 280 kg/m³
Maximum Water Cement ratio: 0.55
Maximum aggregate size: 20mm

Foundations shall be taken to a firm bearing strata to the satisfaction of the Building Inspectors and Engineers.
All excavations are to be lined with blinding concrete or similar approved below specified formation levels or bottomed out in accordance with the specifications.
The integrity of the excavations is to be maintained by the contractor at all times.
All disturbed ground to be reinstated with granular fill in accordance with the specification and to the approval of the engineer.
Soft spots at new foundation levels are to be excavated and back filled with blinding concrete to the approval of the engineer.
The removal of excess water from the site is the responsibility of the contractor. The contractor must satisfy himself with respect to the ground water conditions on site & take measures to deal with the likely perched ground water conditions which exist.
Where existing redundant drains occur under new foundations and slabs they are to be grubbed out and back filled with mass concrete.

Reinforcement-grades:
High yield - grade 500 N/mm² (clause e30/150) (deformed type 2)
Plain bars - grade 250 N/mm² (clause e30/140).
Fabric - grade 500 N/mm² - (clause e30/210).

The minimum lap lengths to be as follows:
A393 MESH - 500mm
Loose bar reinforcement - 50 times the smaller bar diameter
Unless noted otherwise concrete cover to outermost reinforcement to be:
40mm against blinding, 35mm all other faces

LOAD BEARING MASONRY

The following materials where specified are to have a minimum average compressive strength of:-
Engineering brickwork, 50N/mm²
Common brickwork, 20 N/mm²
Mortars shall be as follows 1:3 (cement: sand) below DPC level and 1:1:6 (cement: lime: sand) above DPC level.

NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, ENGINEERS & SUB-CONTRACTORS DRAWINGS AND DETAILS AND THE PROJECT SPECIFICATION. WHERE ANY DISCREPANCY MAY EXIST BETWEEN THESE NOTES & THE SPECIFICATION, THE SPECIFICATION SHALL PREVAIL.
- ALL SETTING-OUT TO BE CHECKED AGAINST ARCHITECT'S LATEST SETTING OUT DRAWING.
- NO DIMENSIONS ARE TO BE SCALED FROM THIS DRAWING.
- NO DEVIATION MAY BE MADE FROM THE DETAILS SHOWN ON THIS DRAWING WITHOUT PRIOR AGREEMENT OF THE ENGINEERS.
- ANY DISCREPANCY BETWEEN THIS DRAWING AND ANY OTHER DOCUMENT SHOULD BE REFERRED IMMEDIATELY TO THE ENGINEER.
- ALL WORKSMANSHIP, MATERIALS AND LOADINGS TO BE IN STRICT ACCORDANCE WITH THE LATEST EDITIONS OF:
 - ECO - BASIC STRUCTURAL DESIGN
 - EC1 - ACTIONS ON STRUCTURES
 - EC2 - DESIGN OF CONCRETE STRUCTURES
 - EC3 - DESIGN OF STEEL STRUCTURES
 - EC7 - GEOTECHNICAL DESIGN
 - THE BUILDING REGULATIONS, MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

CONTRACTOR IS TO ALLOW FOR ALL TEMPORARY WORKS AS NECESSARY TO UNDERTAKE AND MAINTAIN THE STRUCTURAL INTEGRITY OF THE PROPOSED BUILDING AND SURROUNDING STRUCTURES AT ALL TIMES.

CONTRACTOR TO PROVIDE FULL DESIGN AND FABRICATION DRAWINGS FOR RETAINING WALLS AND GEOSYNTHETICS CELLWEB TREE PROTECTION SYSTEM TO BE INSTALLED AS PER MANUFACTURERS RECOMMENDATIONS.

NOTE:

Contractor is responsible for liaising between Retaining Wall Designer and Installer and GEOSYNTHETICS Cell web system and final design aspects for acceptance by Contract Administrator and Clients Design Team

NOTE:

Retaining Wall and GEOSYNTHETICS Cellweb details shown are for indication. All final design and working details are to be designed by Contractors specialist contractor to manufacturer details and provide detailed design and drawings for approval by Clients Design Team
GEOSYNTHETICS details:
Jamie Leake tel:01455 241507
jamie.leake@geosyn.co.uk

NOTE:

For all dimensions and setting out refer to architects drawings

NOTE:

Refer to M&E spec and drawings for additional excavation locations for incoming and redirected services on site

NOTE:

THE CONTRACTOR IS TO REFER TO ALL RELEVANT INFORMATION
PROJECT MANAGERS CONTRACT DOCUMENTATION, ARCHITECTS SPEC AND DRAWING
M&E SPEC AND DRAWINGS
QUARTET DESIGN ARBORICULTURAL CONSULTANTS SPEC AND DRAWINGS
SOIL INVESTIGATION REPORT, TOPO SURVEY, SUBSCAN SURVEY, UTILITIES REPORT.

NOTE:

THE CONTRACTOR IS TO REFER TO STARBUCKS DEVELOPER DRIVE THOUGH SPECIFICATION AND ALL DRAWINGS

CONTRACTOR IS TO CHECK WITH DESIGN TEAM FOR THE LATEST REVISION SPECIFICATION AND ALL DRAWINGS

Contractors Design & Tender Requirements

The contractor's is to ensure full compliance with the Project Managers, Architects, M&E, Arboriculturist, Engineers and Tenants specifications / requirements.

Contractor is to allow for detailed design of all retaining walls, Geosynthetics Cellweb and detailed fabrication drawings including full dimensioned drawings for approval by Design Team

Contractor is to Allow for liaising with Thames Water and making applications for off site connections to existing public sewer system for separate surface water and foul water connections and for all application fees

P1	ISSUED FOR PLANNING CONDITION 6	GB	11.06.26
T1	ISSUED FOR TENDER	GB	13.05.26
MK	REVISION	BY	DATE

DRAWING STATUS

ISSUE

DRAWING TITLE

PROPOSED EXTERNAL WORKS DETAILS

PROJECT

STARBUCKS POD,
SCOURS LANE,
TILEHURST,
READING, RG30 6AX

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London, Henley-on Thames and Gloucester

Drawn GB	Ch'd -	Scales 1:20	Date 08/04/26
Purpose of Issue ISSUE			
Project Number P24-0805	Drawing Number EW02	Revision P1	