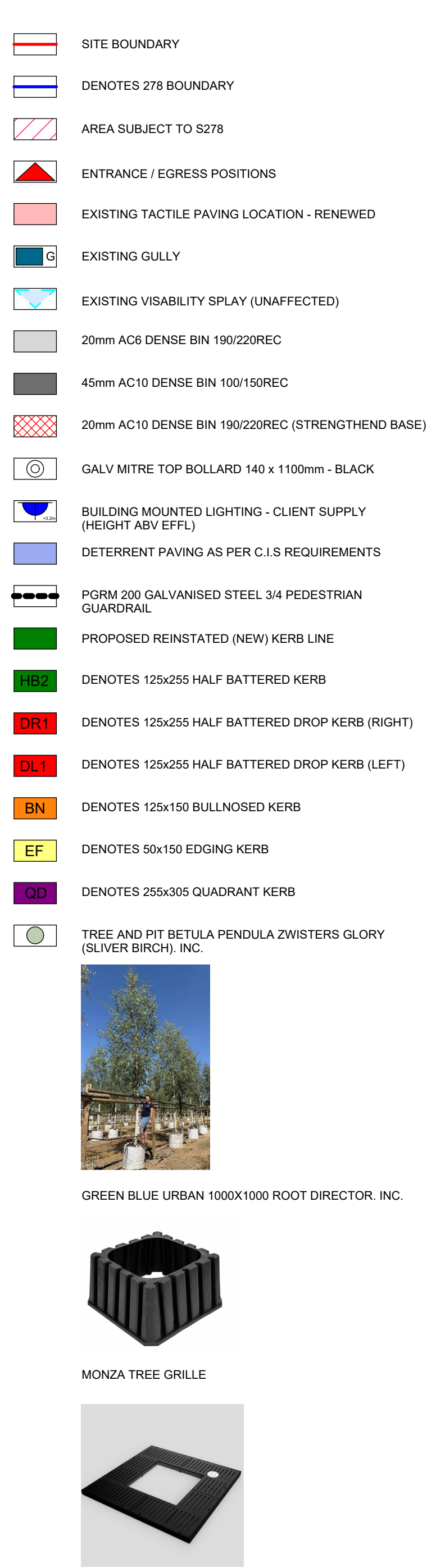




THIS DRAWING & NOTES IDENTIFY HAZARDS THAT WERE IMPRACTICAL OR UNECONOMICAL TO MITIGATE AT DESIGN STAGE. THE LIST IS NOT EXHAUSTIVE AND SHOULD NOT BE RELIED UPON. THE CONTRACTOR IS TO CARRY OUT RISK ASSESSMENTS AND PREPARE METHOD STATEMENTS IN LINE WITH CURRENT HEALTH & SAFETY LEGISLATION.

GENERAL NOTES
 THE CONTRACTOR IS TO ENSURE ADEQUATE PROTECTIVE CLOTHING AND EQUIPMENT IS PROVIDED TO ALL PERSONNEL AND THAT PROPER WORKING PRACTICES ARE EMPLOYED DURING THE WORKS TO THE SATISFACTION OF ALL HEALTH AND SAFETY EXECUTIVE REQUIREMENTS.

EXISTING SERVICES
 THE CONTRACTOR IS TO INVESTIGATE AND ADEQUATELY PROTECT & MARK THE LOCATION AND DETERMINE THE STATUS OF ANY OVERHEAD / UNDERGROUND SERVICES / PLANT ON OR IN CLOSE PROXIMITY TO THE SITE. THE CONTRACTOR SHALL UTILISE SCANNING EQUIPMENT AND HAND EXCAVATION TO IDENTIFY EXACT LOCATION OF ANY SERVICES.

THE CONTRACTOR SHALL CLEARLY MARK EXISTING UNDERGROUND SERVICE ROUTES AT SURFACE LEVEL PRIOR TO COMMENCING ANY EXCAVATION WORKS.

EXCAVATIONS
 PRIOR TO COMMENCING EXCAVATION WORKS THE CONTRACTOR SHOULD OBTAIN ALL SERVICE INFORMATION, WHERE IT IS DIFFICULT TO ASCERTAIN THE EXACT LOCATION OF SERVICES THE CONTRACTOR SHOULD EITHER:
 • UNDERTAKE AN UNDERGROUND RADAR SURVEY
 • UNDERTAKE SLIT TRENCHES IN ORDER TO CAREFULLY EXPOSE THE SERVICES.

IF THE CONTRACTOR PROCEEDS WITH WORKING WITHIN EXCAVATIONS DEEPER THAN 1200mm IT SHOULD BE SUPERVISED IN ACCORDANCE WITH CURRENT HEALTH & SAFETY LEGISLATION.

THE CONTRACTOR IS TO ENSURE UNATTENDED EXCAVATIONS ARE ADEQUATELY PROTECTED USING WARNING SIGNS AND BARRIERS ACCORDINGLY.

THE CONTRACTOR IS TO ENSURE THAT SAFE WORKING PRACTICES ARE EMPLOYED PARTICULARLY WHERE FULLY LADEN VEHICLES ARE RUNNING IN CLOSE PROXIMITY. THE CONTRACTOR IS ALSO TO PREVENT SITE VEHICLES OR MATERIALS SURCHARGING TRENCHES / RETAINING STRUCTURES DURING THE WORKS.

USE OF HEAVY PLANT
 THE CONTRACTOR IS TO ESTABLISH SAFE METHODS OF WORK FOR LIFTING MATERIALS SUCH AS PRECAST CONCRETE MANHOLE RINGS, MANHOLE COVERS AND HEAVY KERB / SLAB UNITS.

DELIVERY OF MATERIALS AND OFF-LOADING OF SUCH IS TO BE UNDERTAKEN IN ACCORDANCE WITH A STRATEGIC MANAGEMENT PLAN. RISK TO THE PUBLIC AND CONFLICT WITH OTHER ROAD USERS IS TO BE CONSIDERED.

HAZARDOUS MATERIALS
 THE CONTRACTOR IS TO ENSURE THAT COSHH REGULATIONS ARE ADHERED TO ACROSS THE SITE WHEN USING ANY MATERIAL DEEMED AS HAZARDOUS.

WORKING ADJACENT TO SEWERS
 THE CONTRACTOR IS TO ENSURE THAT OPERATIVES ARE FULLY INFORMED OF THE RISK OF INFECTION SUCH AS TYPHOID AND WELLS DISEASE AND TO ENSURE THAT HYGIENE IS PROMOTED AND MAINTAINED.

OPERATIVES TO BE TRAINED TO WORK IN 'CONFINED SPACES' AND TO BE PROVIDED WITH THE APPROPRIATE PPE. ALL WORKS IN SEWERS TO BE COVERED UNDER A METHOD STATEMENT.

WHEN WORKING WITHIN THE PUBLIC HIGHWAY THE CONTRACTOR SHALL OBTAIN THE APPROPRIATE NOTICES FROM EITHER THE LOCAL AUTHORITY OR THE HIGHWAY AUTHORITY AND DEVELOP AN APPROPRIATE TRAFFIC MANAGEMENT PLAN AND IMPLEMENT ACCORDINGLY.

CONTAMINATED SOIL IN LOCALISED AREAS
 WHERE UNUSUAL SOIL ODOURS, MATERIALS, ARTIFACTS / OBJECTS OR SOIL DISCOLORATION ARE NOTED THEN GLOVES, EYE PROTECTION AND DISPOSABLE OVERALLS SHOULD BE WORN LOCAL TO THE AREA.

AVOID ALL CONTACT WITH ANY SOIL MATERIAL DEEMED TO BE POTENTIALLY CONTAMINATED.

REPORT AREA OF CONTAMINATION TO THE PROJECT MANAGER TO OBTAIN FURTHER INSTRUCTION

EXISTING TRAFFIC / PEDESTRIANS
 THE CONTRACTOR IS TO ALLOW FOR TEMPORARY FENCING AROUND THE PERIMETER OF THE WORKS TO PREVENT ACCESS BY ANY UNAUTHORISED VEHICLES / PERSONNEL.

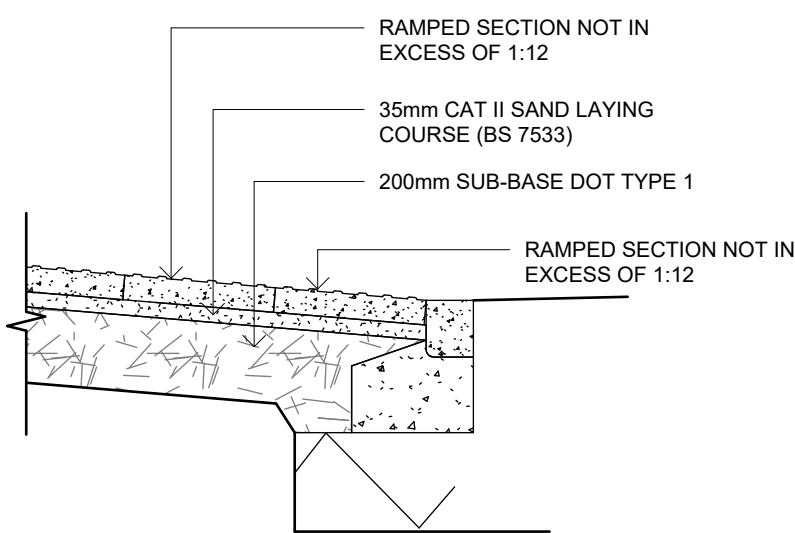
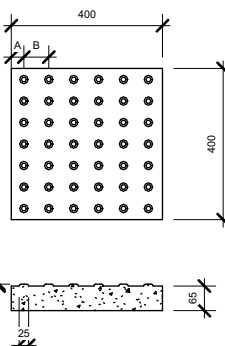
THE CONTRACTOR SHALL ENSURE SAFE AND ADEQUATE PEDESTRIAN MOVEMENT IS MAINTAINED AROUND THE WORKS.

THE CONTRACTOR SHALL ENSURE THAT DURING ALL WORKS ADJACENT / CROSSING EXISTING ROADS, TRAFFIC FLOW IS MAINTAINED TO THE SATISFACTION OF THE LOCAL HIGHWAY AUTHORITY.

ALL TEMPORARY PEDESTRIAN AND TRAFFIC MANAGEMENT IS TO BE IN ACCORDANCE WITH CHAPTER 8 OF THE TRAFFIC SIGNS MANUAL.

MODULE SIZE	BLISTER ARRANGEMENT	PITCH DIMENSION	
		A	B
400mm sq.	6 x 6	66.8mm	33mm
400mm sq.	7 x 7	56mm	33mm
200 x 130mm	3 x 2	67mm	33mm

THE TACTILE SURFACE MAY BE CONSTRUCTED FROM ANY MATERIAL SUITABLE FOR PAVING FOOTWAY SURFACES. TACTILE CROSSING FLAGS TO BE IN ACCORDANCE WITH BS EN 1346:2003.



S. Blister Specification

1 : 20

S. Blister Ramp

1 : 20

125x150 BULL NOSED KERB TO BE CUT TO TACTILE WIDTH

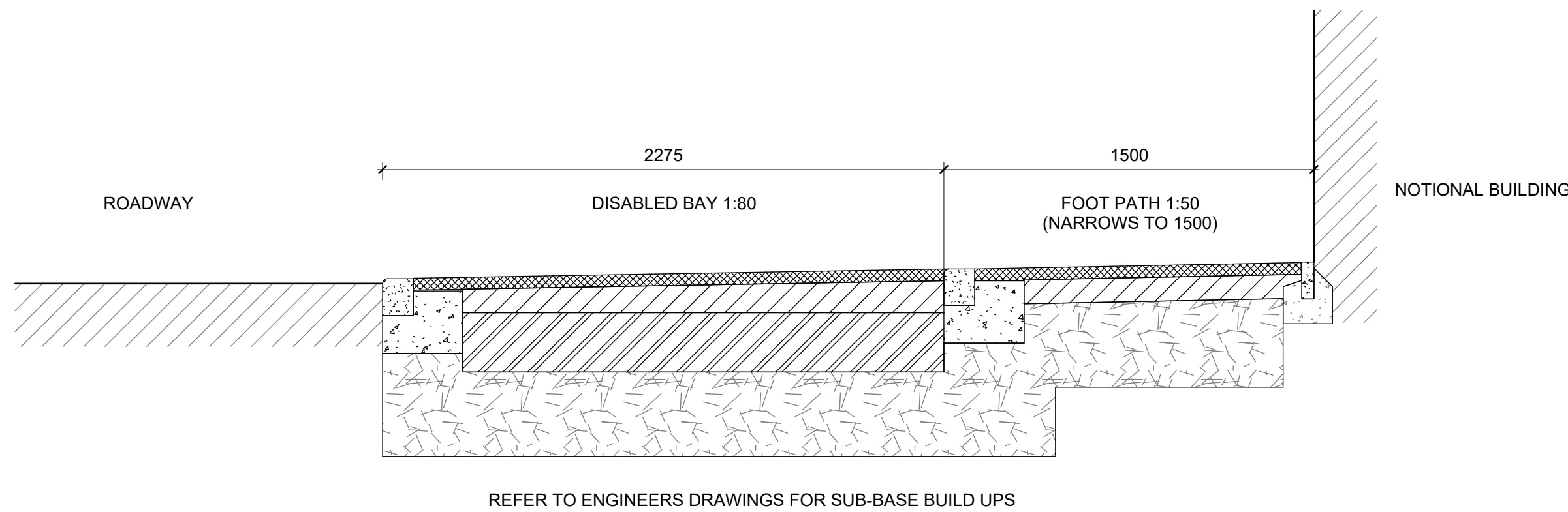
TACTILE PAVING SHALL BE INSTALLED SO THAT THE ROWS OF ONE SIDE OF THE CROSSING POINT FULLY ALIGN WITH THE OTHER.

TACTILE PAVING SHALL BE LAID IN ACCORDANCE WITH CONSTRUCTION S4 OF MANCHESTER COUNCILS RELEVANT APPENDIX ON KERBS, FOOTWAYS AND PAVED AREAS DOCUMENT.

65mm CONCRETE TACTILE PAVING (BUFF COLOUR)
 30mm CAT II SAND LAYING COURSE (BS 7533)
 225mm SUB-BASE TYPE 1

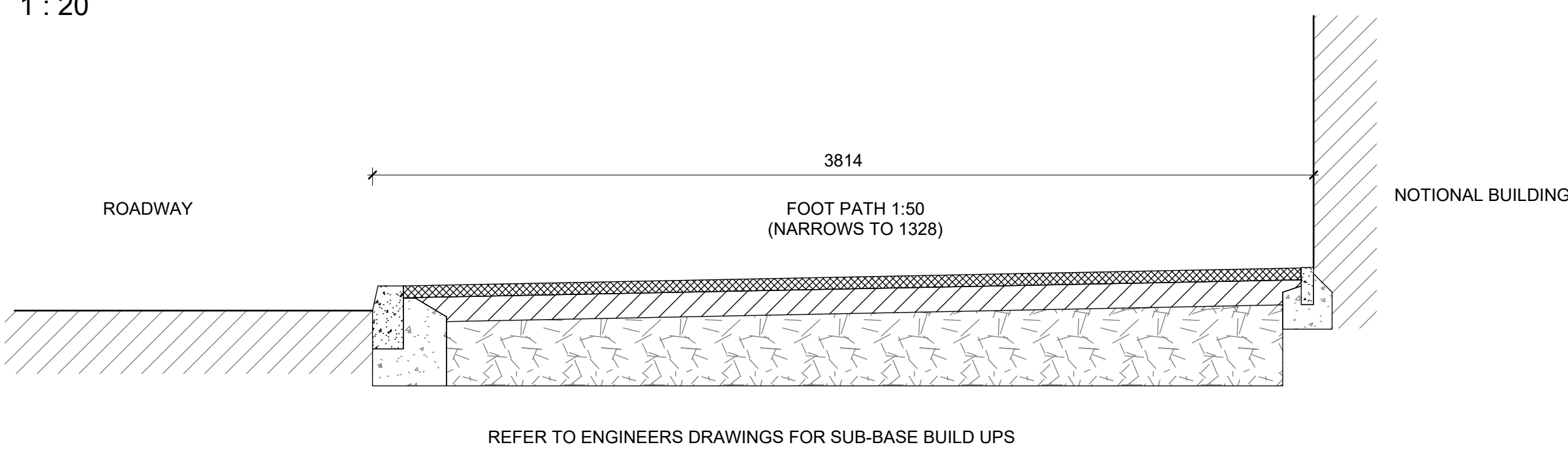
S. Blister Paving

1 : 20



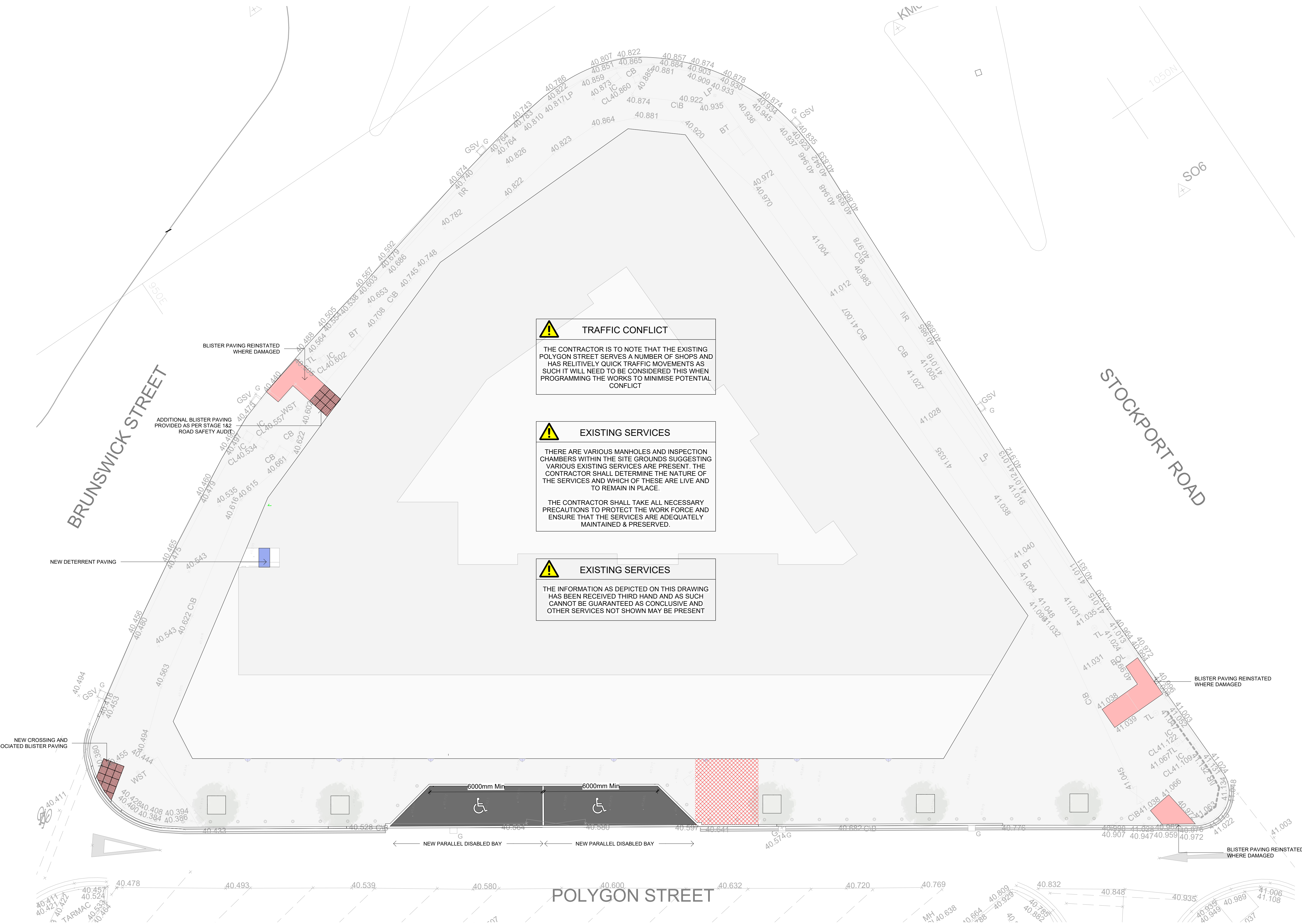
S. Section thro bay

1 : 20



S. Section thro footpath

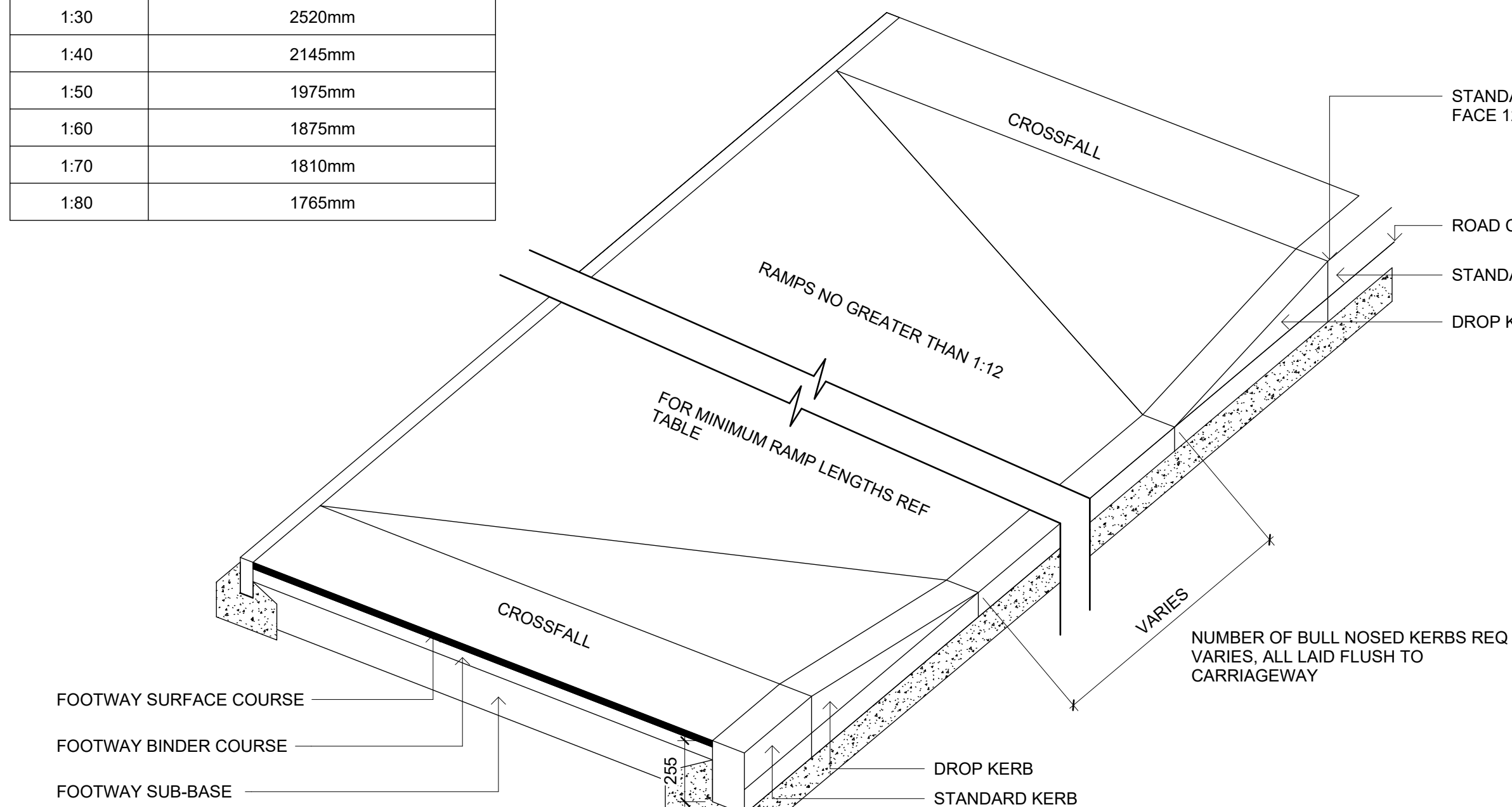
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Paving arrangement - S.278 works

1 : 100

FOOTWAY CROSSFALL	MINIMUM LENGTH OF 125mm RAMP TO ACHIEVE 1:12 GRADIENT
1:20	3750mm
1:30	2520mm
1:40	2145mm
1:50	1975mm
1:60	1875mm
1:70	1810mm
1:80	1765mm



S. Drop Kerb Detail

1 : 20