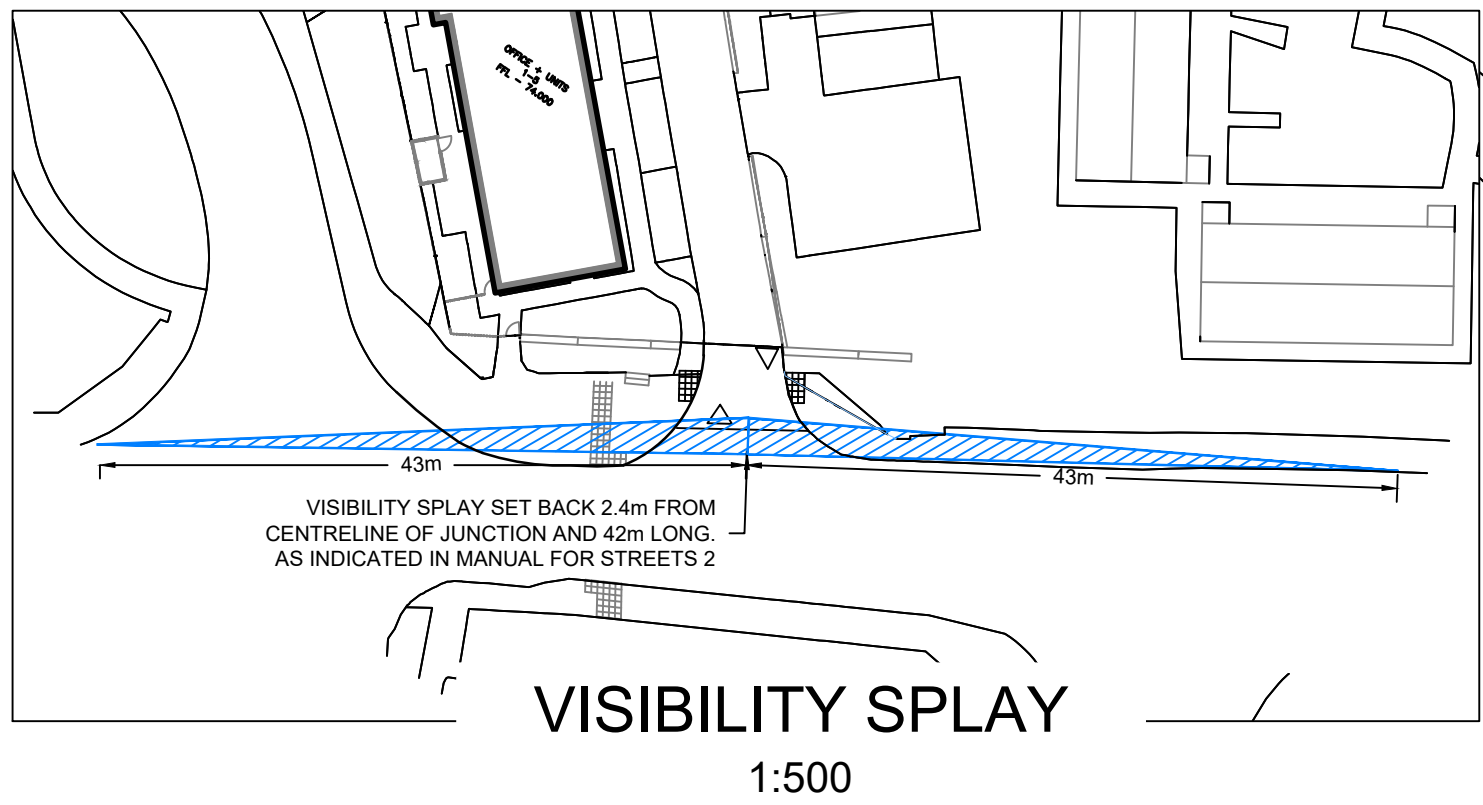
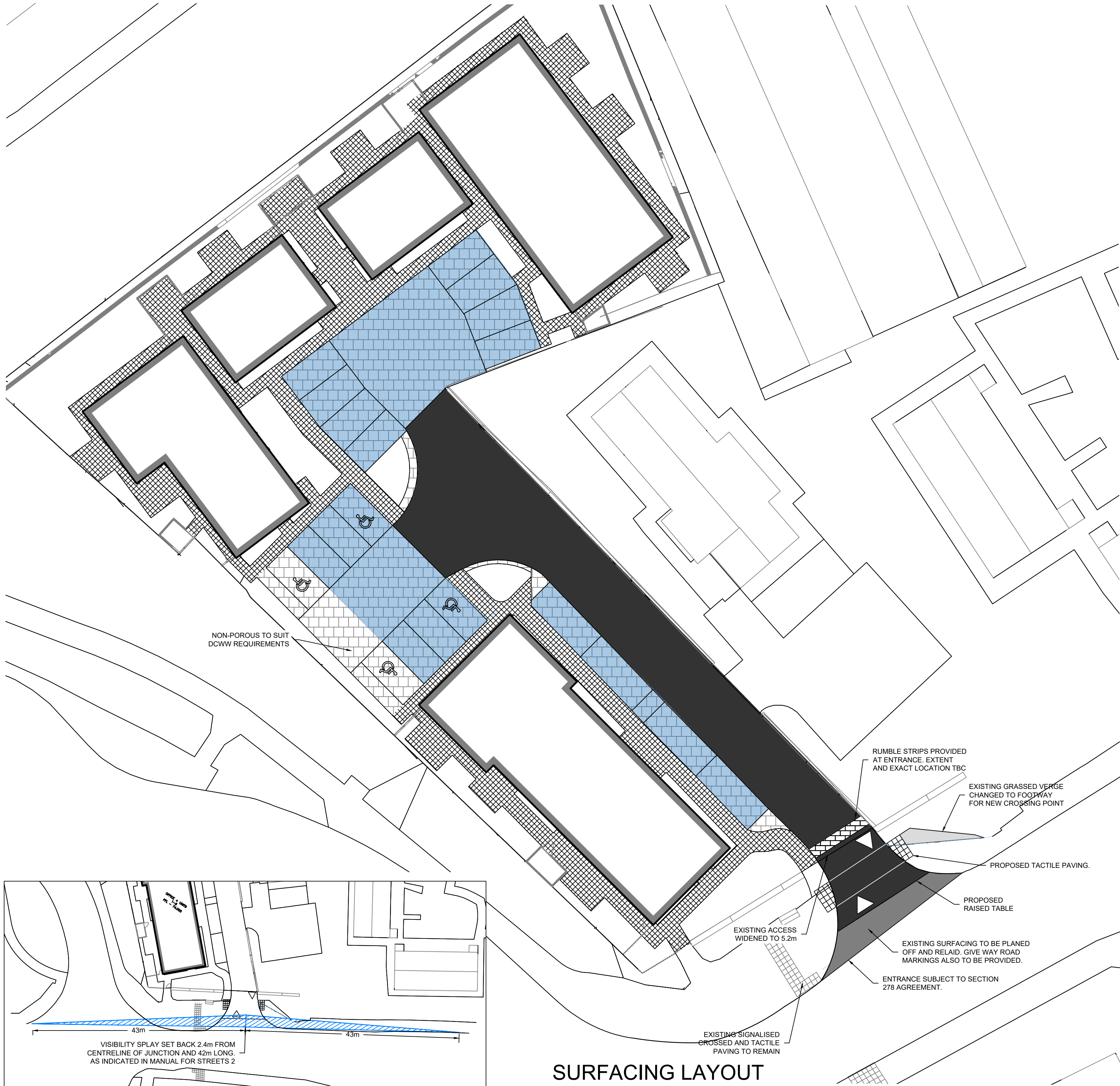




SURFACING LAYOUT

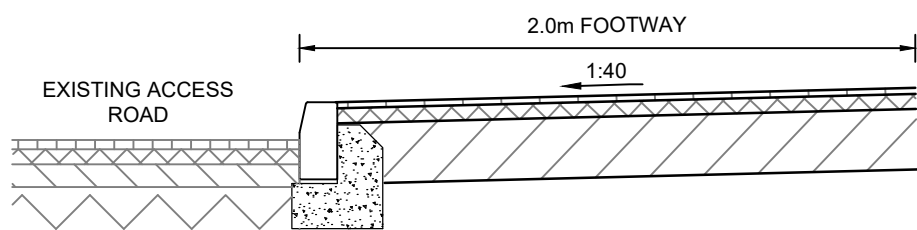
1:200

FOOTWAY REINSTATEMENT
WHERE FOOTWAY RE-INSTATEMENT IS RELEVANT, EXISTING SURFACE COURSE & BASE COURSE TO BE CHURNED AND CARRIED OFF SITE AND REPLACED WITH NEW SURFACE & BASE COURSE. (REF SPEC BELOW)

SURFACE COURSE: 20mm THK DENSE GRADED MACADAM SURFACE COURSE AC 20 DENSE SURF 160/220 REC IN ACCORDANCE WITH BS EN 13108-1

BINDER COURSE: 40mm THK DENSE BINDER COURSE AC 20 DENSE BIN 160/220 REC IN ACCORDANCE WITH BS EN 13108-1

SUB-BASE: MIN 100mm THK TYPE 1 SUB-BASE MATERIAL TO SPECIFICATION CLAUSE 803



TYPICAL SECTION SHOWING FOOTWAY CONSTRUCTION

1:25

SURFACE COURSE: 40mm THK THIN SURFACE COURSE SYSTEM SMA 10 CLOSE SURF 100/150 WITH MIN 65 PSV (DTP SPEC CLAUSE 942)

BINDER COURSE: 60mm THK DENSE BINDER COURSE AC 20 DENSE BIN 40/60 REC IN ACCORDANCE WITH BS EN 13108-1 (DTP SPEC CLAUSE 906)

BASE LAYER: 100mm THK DENSE BASE COURSE AC 32 DENSE BASE 40/60 REC IN ACCORDANCE WITH BS EN 13108-1 (DTP SPEC CLAUSE 906)

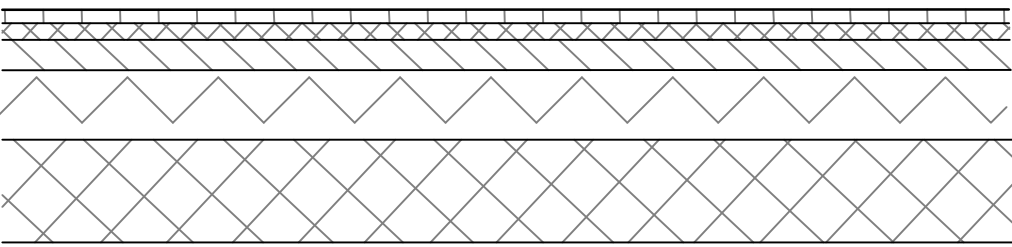
SUB-BASE: XXXmm THK SUB-BASE SHALL BE TYPE 1 TO CLAUSE 803, SHW, AND SHALL BE NON FROST SUSCEPTIBLE.

CAPPING: XXXmm THK, CAPPING LAYER MATERIAL SHALL BE CLASS 6F2 OF TABLE 6/1, SHW, WITH 50kN 10% FINES VALUE WHEN TESTED IN ACCORDANCE WITH BS 812-PART 111 IN THE SOAKED CONDITION. ONLY NON FROST SUSCEPTIBLE CRUSHED ROCK OR SAND AND GRAVEL MAY BE USED.

THE DESIGN PARAMETERS SHALL BE VERIFIED DURING CONSTRUCTION BY UNDERTAKING CBR TESTS OR OTHER SIMILAR MEANS, UPON THE FORMATION AND SUB BASE LEVELS

THE CBR VALUE ACHIEVED AT SUB-BASE LEVEL SHOULD BE MIN 30%

SUBBASE AND CAPPING THICKNESS TO BE CONFIRMED SUBJECT TO PROVISION OF CBR VALUES



TYPICAL SECTION ACCESS ROAD CONSTRUCTION

1:25

LOAD CATEGORY 5 (2018)

LAID IN ACCORDANCE WITH MANUFACTURERS SPECIFICATION & PRODUCT LITERATURE

WEARING COURSE: PERMEABLE PAVING. SPEC BY ARCHITECT ASSUMES 80mm Dp BLOCK

LAYING COURSE: 50mm THK. BEDDING 2-6mm SINGLE SIZED CLEAN CRUSHED STONE TO BS EN 13242:2002 AND CONFORM TO TABLE 1 OPPOSITE

GEOTEXTILE: GEOTEXTILE FABRIC LINING SEPARATION LAYER, TERRAM 1000 OR SIMILAR

SUB-BASE: HYDRAULICALLY BOUND COARSE GRADED AGGREGATE 100mm THK OF AGGREGATE OF PARTICLE SIZE DISTRIBUTION WITHIN THE THE ENVELOPE OF TABLE 2 OPPOSITE & SHALL COMPLY WITH THE FOLLOWING:
CEMENT BOUND MIXTURES
BS EN 14227-1:2004. 'Hydraulically bound mixtures - Specifications - Part 1: Cement bound granular mixtures'
Minimum cement content by mass = 3%
Strength Class = C5/6 (As defined in Table 2 of BS EN 14227-1:2004.)
Minimum permeability 20,000mm/hour
(USE OF RECYCLED AGGREGATE NOT PERMITTED)

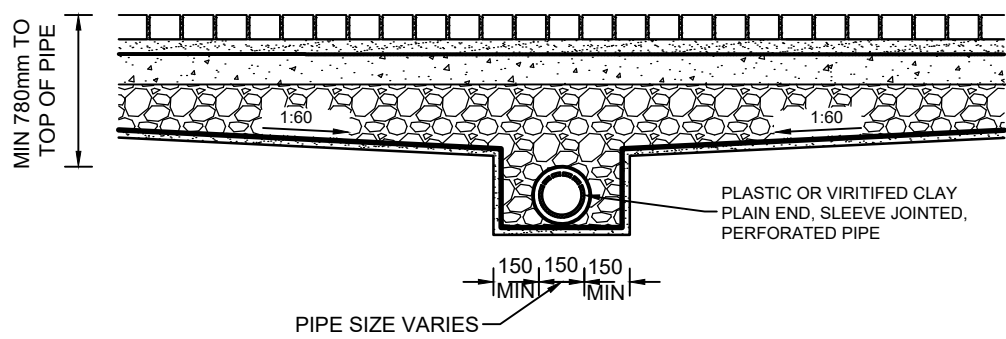
LOWER SUB-BASE: (RESERVOIR LAYER) COURSE GRADED AGGREGATE MIN 150mm THK OF 4-20mm CLEAN CRUSHED STONE TO BS EN 13242:2002 (USE OF RECYCLED AGGREGATE NOT PERMITTED)

MEMBRANE: MIN 1mm THK POLYPROPYLENE IMPERMEABLE MEMBRANE SHEET TO BE WRAPPED AROUND ENTIRE SYSTEM

BLINDING LAYER: MIN 25mm THK SAND BLINDING LAYER OVER

TABLE 1	
Typ. Particle Size Distribution limits for laying course material	
BS SIEVE SIZE	% PASSING
14mm	100
10mm	98-100
6.3mm	80-99
2.0mm	0-20
1.0mm	0-5

TABLE 2	
Typ. Particle Size Distribution limits for Type 4/20 coarse graded aggregate	
BS SIEVE SIZE	% PASSING
40mm	100
31.5mm	98-100
20mm	90-99
10mm	25-70
4mm	0-15
2mm	0-5



TYPICAL TYPE C POROUS PAVING CONSTRUCTION

1:25

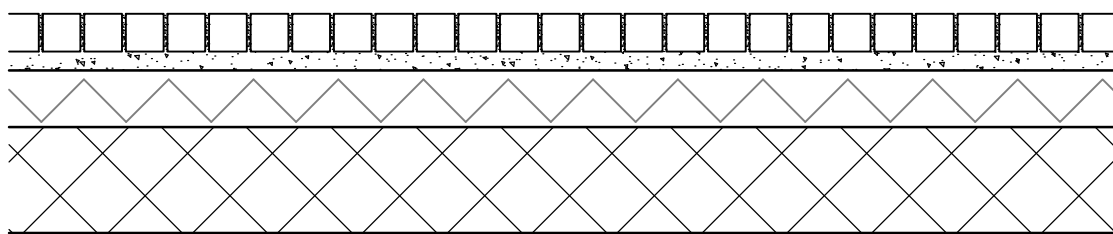
SURFACE BLOCKS: 100x100mm CONSERVATION GRANITE AGGREGATE SETTS BY MARSHALS MONO LIMITED TEL: 0870 2412463 (COLOUR TO BE CONFIRMED BY ARCHITECT)

BEDDING LAYER: MIN 50mm THK TYPE ii MORTAR BED

ROADBASE: 75mm THK DENSE BITUMEN MACADAM BASE COURSE (125 PEN BINDER & 32mm AGGREGATE) TO BS EN 13108-1 (DTP SPECIFICATION CLAUSE 906)

SUB-BASE: 150mm THK MOT TYPE 1 RECYCLED GRANULAR SUB-BASE MATERIAL

CAPPING/FILL: TYPE 6F1/6F5 AGGREGATE MATERIAL AS REQUIRED



TYP. NEW RAISED COBBLE RUMBLE STRIP CONSTRUCTION

1:20

- NOTES
- ALL DIMENSIONS ARE IN MILLIMETRES U.N.O. ON THE DRAWING. ALL LEVELS IN METERS
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ENGINEER'S AND ARCHITECT'S DRAWINGS AND RELEVANT SPECIFICATION CLAUSES
 - ALL WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH WBCB STANDARD DETAILS
 - ALL FOUNDATION DESIGN / MATERIALS TESTING SHALL BE CARRIED OUT IN ACCORDANCE WITH WBCB RESIDENTIAL ROADS & FOOTPATHS - APPENDIX D MINIMUM CONSTRUCTION SPECIFICATION. ALL TEST RESULTS / CERTIFICATES SHALL BE SUBMITTED TO WBCB (I.E. KEVIN EDWARDS - STREETSCENE) FOR FURTHER APPROVAL
 - LOCATION OF ALL EXISTING SERVICES TO BE CONFIRMED BY CONTRACTOR
 - NO SURFACE WATER FROM PROPOSED ACCESS TO DISCHARGE ONTO PUBLIC HIGHWAY
 - WHITE LINING TO BE CONFIRMED WITH HIGHWAY INSPECTOR

- WHITE LINING NOTES
- FOR REFERENCE TO ROAD MARKINGS REFER TO TRAFFIC SIGNS REGULATIONS AND GENERAL DIRECTIONS (TSRGD) LATEST DOCUMENT
 - ROAD MARKINGS SHOULD BE IN ACCORDANCE WITH SPECIFICATION FOR HIGHWAY WORKS SERIES 1200.
 - ALL MARKINGS TO BE OF THERMOPLASTIC SPRAY OR SCREED WITH APPLIED SOLID GLASS BEADS AND DESIGNED IN ACCORDANCE WITH CHAPTER 5 OF THE TRAFFIC SIGNS MANUAL

- KEY
- ACCESS ROAD CONSTRUCTION - REFER TO DETAIL
 - FOOTWAY CONSTRUCTION - REFER TO DETAIL
 - PARKING CONSTRUCTION - SPEC TBC
 - PROPOSED POROUS SURFACING WITHIN CAR PARKING - REFER TO DETAIL
 - EXISTING ENTRANCE SURFACING TO BE PLANED OFF 40mm AND RELAID
 - CONCRETE PAVIOURS AROUND DWELLINGS - SPEC TBC

REV	DATE	DESCRIPTION	BY	CHK	APP
A	17.05.21	AMENDED PER NEW LAYOUT	JP		

REVISIONS

STATUS

FOR APPROVAL

CLIENT

ClwydAlyn

PROJECT

Ty Nos Redevelopment
Holt Road, Wrexham

TITLE

Surfacing Layout
and Details

DATRYS

Broncoed House
Broncoed Business Park
Wrexham Road
Holt
Wrexham
CH7 1HP
01352 790205
info@datrys.coop
www.datrys.net

Telephone
Internet

DRAWN	TD	CHECKED	AC	PASSED	AC
DATE	24.02.21	CLIENT'S REF.			
SCALE AT A1	AS SHOWN	AUTOCAD REF.	20269/403	REVISION	
20269/403					A