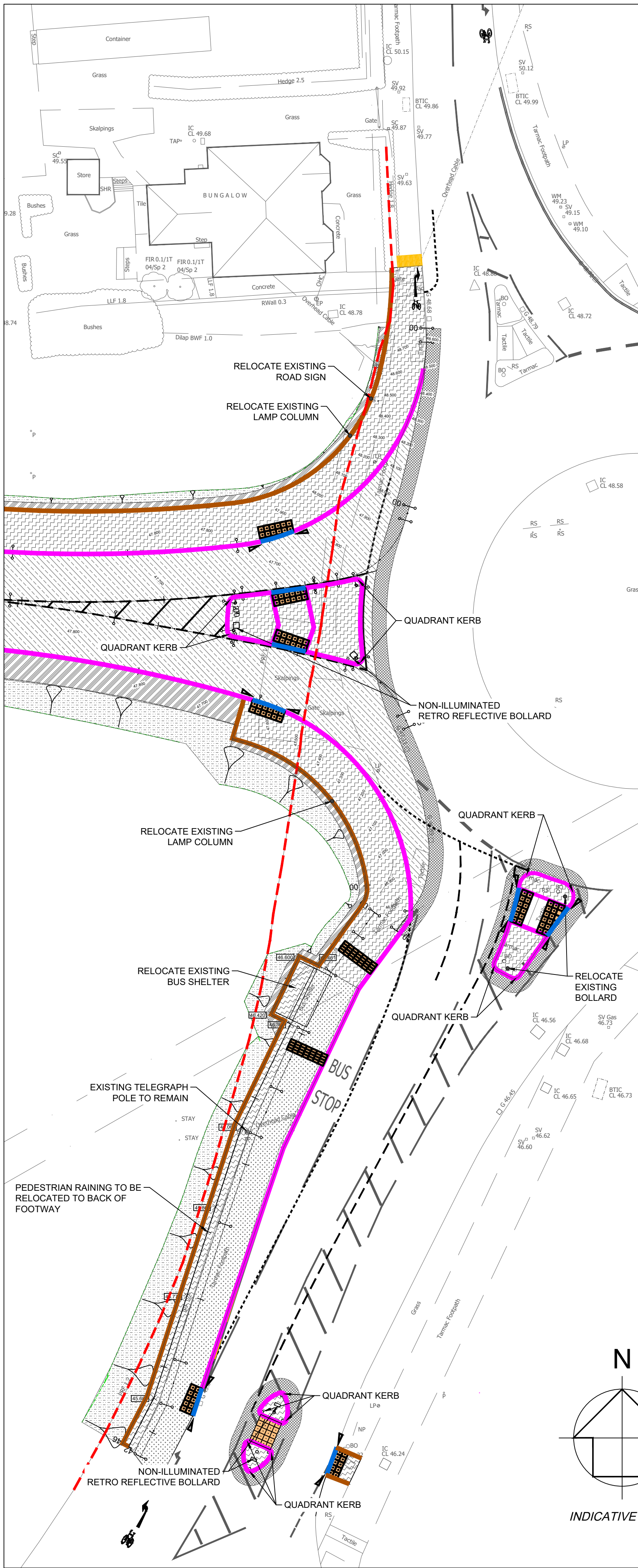
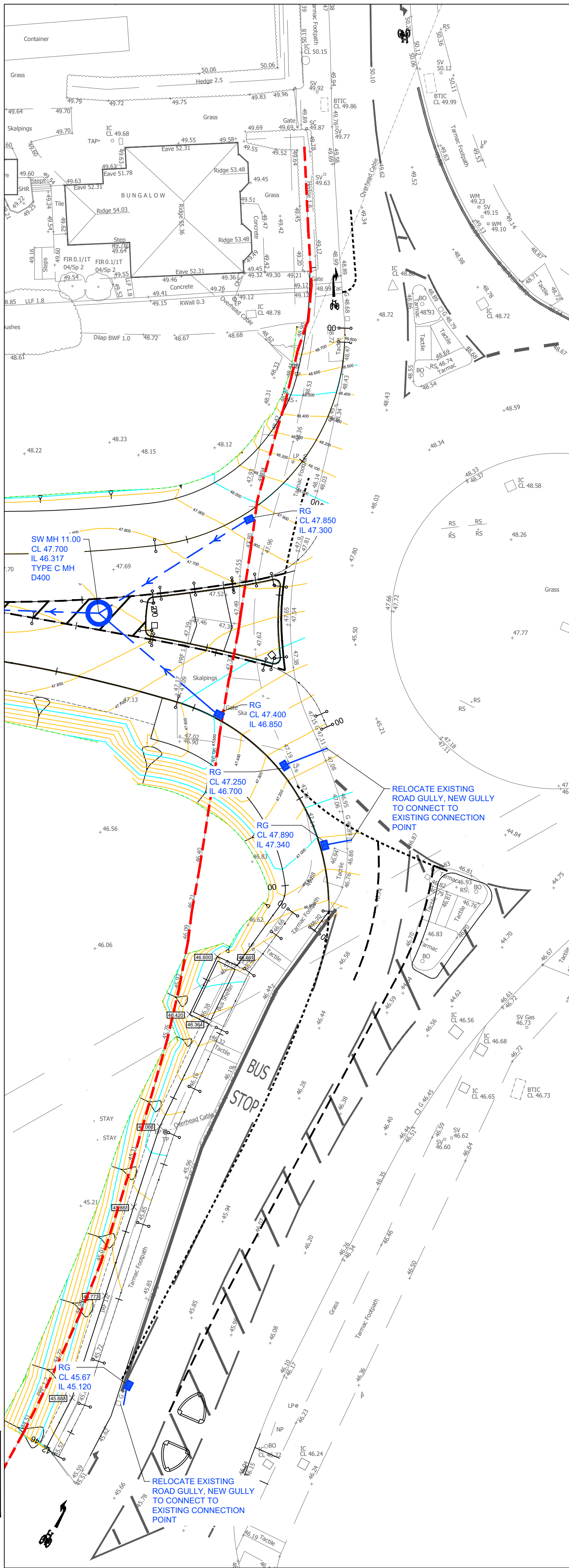


1. ALL PIPES TO BE A THERMOPLASTIC STRUCTURED WALL SEWER PIPES TO W 4-35-01 (CLASS 8KN/50M) AND BE CAPABLE OF WITHSTANDING 4000 PSI JETTING
2. FOR CONSTRUCTION DETAILS REFER TO THE RELEVANT ARCH ASSOCIATES DRAWING NUMBERS LISTED ON THE DRAWING ISSUE SHEET.
3. ADAPTABLE HIGHWAY WORKS ARE TO BE IN ACCORDANCE WITH LOCAL AUTHORITY DESIGN GUIDANCE.
4. ANY WORKS ASSOCIATED WITH THE HIGHWAY/EXTERNAL WORKS INCLUDING HIGHWAY DRAINAGE, SHALL BE IN ACCORDANCE WITH THE HIGHWAYS AGENCY 'MANUAL OF CONSTRUCTION DOCUMENTS FOR HIGHWAY WORKS, VOL 1' (MCHW), UNLESS OTHERWISE SPECIFIED.
5. ALL ADAPTABLE SEWERS WITH LESS THAN 1.20m OF COVER WITH LAID BENEATH THE ROADS, OR 190m OF COVER IN OTHER AREAS, SHALL HAVE CONCRETE PROTECTION IN ACCORDANCE WITH EITHER OF THE DETAILS SHOWN ON THE STANDARD DRAWING PROVIDED.
6. ALL DRAINAGE WORKS SHOULD COMMENCE AT THE PROPOSED DOWNSTREAM CONNECTION POINT, THE WORKS CONTINUING UPSTREAM FOLLOWING CONFIRMATION OF THE EXISTING STREET LEVEL. TO THE ENGINEER, CONNECTIONS TO MANHOLES OR LARGER SIZED PIPES ETC. SHOULD BE SOFFIT TO SOFFIT UNLESS OTHERWISE INSTRUCTED BY THE ENGINEER, IF THIS IS NOT POSSIBLE INFORM THE ENGINEER IMMEDIATELY
7. COVER LEVELS SHOWN ARE APPROXIMATE. COVERS AND FRAMES SHALL BE SET TO FINISHED GROUND LEVELS AND FALLS.
8. ROAD GULLY PIPES ARE TO BE 150mm DIA. WITH CONCRETE SURROUND AND FLEXIBLE JOINTS. ALL GULLIES SHALL BE FITTED WITH GRADE D400 GRATINGS AND FRAMES TO BS EN124, UNLESS OTHERWISE STATED
9. IN ORDER TO MAINTAIN THE SATISFACTORY FUNCTIONING OF SURFACE WATER SEWERS, ALL ROAD AND YARD GULLIES ARE TO BE "TRAPPED".
10. ALL NON ADAPTABLE LATERALS BENEATH THE HIGHWAY SHALL BE BACK FILLED WITH A TYPE 1 GRANULAR MATERIAL AS CL.803 (MCHW) APPROVED BY THE ENGINEER.
11. THE CONTRACTOR IS TO KEEP A RECORD OF ANY VARIATIONS MADE ON SITE, INCLUDING THE RELOCATION OF SEWERS OR DRAINS, SO THAT AN AS CONSTRUCTED DRAWING CAN BE PREPARED UPON COMPLETION OF THE PROJECT.
12. THE CONTRACTOR SHOULD CHECK ALL DIMENSIONS ON SITE. DIMENSIONS ARE TO BE SCALED FROM THESE DRAWINGS
13. IT IS THE CONTRACTORS/SUBCONTRACTORS RESPONSIBILITY TO ENSURE COMPLIANCE WITH THE CURRENT BUILDING REGULATIONS AND CODES OF PRACTICE.
14. STUB CONNECTIONS TO ADAPTABLE MANHOLES SHALL BE MADE FROM VITRIFIED CLAY AND CONSIST OF TWO ROCKER PIPES JOINED AT THE SAME GRADIENT AS THE UP OR DOWNSTREAM PIPE.
15. GULLY AND CHANNEL DRAIN POSITIONS ARE LIABLE TO AMENDMENT WHEN THE DESIGN LEVELS HAVE BEEN DETERMINED.
16. INFILTRATION BASIN/BALANCING POND/SPOND SYSTEM TO CONFORM TO CIRIA 670/2 THE SUDS MANUAL, 6996 SITE HANDBOOK FOR THE CONSTRUCTION OF SUDS.
17. ALL REDUNDANT DRAINAGE TO BE ABANDONED ONCE THE CONTRACTOR HAS SATISFIED HIMSELF THAT NO CONNECTIONS REMAIN LIVE. REDUNDANT DRAINAGE TO BE GRUBBED OUT.
18. ALL BELOW GROUND CONCRETE TO ACCORD WITH BS5328:1997/SULPHATE CLASS TBA
19. IF ANY SUB SOIL DRAINAGE SYSTEMS ARE UNCOVERED DURING THE WORKS CONTACT THE ENGINEER FOR INSTRUCTIONS. GENERALLY SUB SOIL DRAINS AFFECTED ARE TO BE DIVERTED AROUND NEW WORKS AND CONNECTED INTO SURFACE WATER DRAINAGE SYSTEM. PIPE DIAMETERS AND GRADIENTS ARE TO BE MAINTAINED.
20. BEFORE COMMENCING CONSTRUCTION THE CONTRACTOR MUST CHECK TO INVERT LEVELS OF EXISTING SEWERS TO WHICH CONNECTIONS ARE MADE. IN ADDITION THE CONTRACTOR MUST LOCATE AND DETERMINE INVERT LEVELS OF THE EXISTING SPURS TO WHICH CONNECTIONS ARE MADE. ANY ADDITIONAL SPUR DRAINAGE CONNECTIONS ARE TO BE AGREED WITH THE RELEVANT ADAPTING AUTHORITY. ANY DISCREPANCIES ARE TO BE NOTIFIED TO THE ENGINEER IMMEDIATELY, PRIOR TO CONSTRUCTION.
21. ROAD REINSTATEMENTS ARE TO BE TO THE HIGHWAY AUTHORITY APPROVAL.
22. NO PRIVATE AREAS ARE TO DRAIN ONTO ADAPTABLE AREAS AND VICE VERSA.

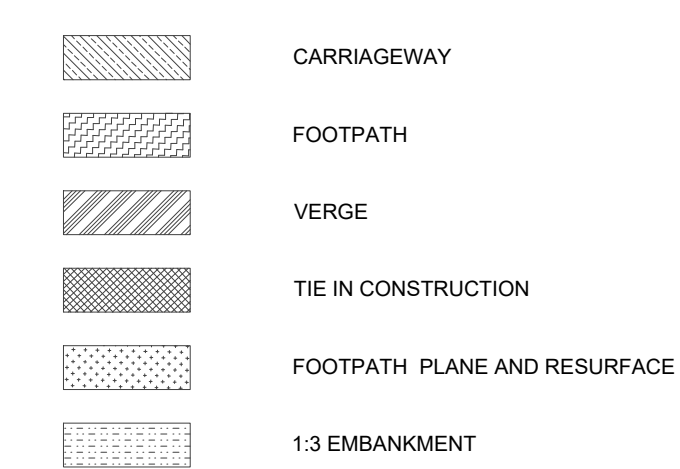
 SURFACE WATER DRAIN
 ROAD GULLY (TRAPPED)
 STORM WATER MANHOLE
 INTERNAL DIAMETER
 DEPTH FROM COVER TO
 STORM WATER MANHOLE
 INTERNAL DIMENSION Ø
 DEPTH FROM COVER TO
 MAX PIPE DIAMETER ÅÅÅ
 Ø100 SWD 6.48m 1:100
 SW MH 1.0
 CL 00.00
 IL 00.00
 SI 00.00
 TYPE C MH
 CATCHPIT
 D400
 MAJOR CONTOUR
 MINOR CONTOUR

ALL INFORMATION SHOWN ON THIS DRAWING FOR UNDERGROUND SERVICES/STATUTORY UNDERTAKERS' PLANT IS APPROXIMATE AND IS PROVIDED FOR THE CONTRACTOR'S INFORMATION ONLY. IT SHOULD NOT BE RELIED ON FOR EXCAVATION OR ANY OTHER WORKS PURPOSES AND CONTRACTORS MUST SATISFY THEMSELVES OF THEIR LOCATIONS PRIOR TO THE COMMENCEMENT OF WORKS.



	HB2 KERB
	HB2 KERB + SQUARE CHANNEL
	BN KERB - 25mm UPSTAND
	PCC EDGING
	CS CHANNEL - FLUSH
	HIGHWAY BOUNDARY
	TRANSITION KERB
	TACTILE PAVING - PEDESTRIAN
	TACTILE PAVING - CYCLEWAY

REFER TO DRAWING FHL013-FHL-XX-XX-DR-C-0514 FOR DETAILS



THESE NOTES ARE BASED ON THE USE OF
EXPERIENCED AND COMPETENT CONTRACTORS
CARRYING OUT THE WORK USING AN
APPROVED SAFE METHOD OF WORKING

 INDICATES A RESIDUAL RISK REQUIRING A COMPULSORY ACTION

 INDICATES A RESIDUAL RISK REQUIRING A PROHIBITIVE ACTION

 INDICATES A RESIDUAL RISK AS A WARNING

 INDICATES A RESIDUAL RISK FOR INFORMATION

NOTES

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This drawing must not be scaled. IF IN DOUBT ASK.

[illegible]

1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECT AND ENGINEERING DETAILS, DRAWINGS AND SPECIFICATIONS.
2. ANY DISCREPANCIES SHOULD BE REPORTED TO THE ARCHITECT AND/OR ENGINEER IMMEDIATELY, SO THAT CLARIFICATION CAN BE SOUGHT PRIOR TO THE COMMENCEMENT OF WORK.
3. HB2 KERB UPSTAND TO BE 100mm. EF EDGINGS TO BE USED AT THE BACK OF ADOPTED FOOTWAYS/VERGES
4. GENERALLY CROSS FALLS TO ADOPTED HIGHWAY AND FOOTWAY TO BE 1 IN 40.
5. ROAD CONSTRUCTION HAS BEEN DESIGNED TO A CBR VALUE OF 1.2% AS CONFIRMED BY THE SITE INVESTIGATION
6. SOFT SPOTS IN THE FORMATION ARE TO BE REMOVED AND REPLACED WITH SUITABLE MATERIAL.
7. ALL EXISTING MANHOLE COVERS, GULLYS, ETC., TO BE RAISED TO SUIT NEW LEVELS.
8. RE-GRADING AND HIGHWAY EMBANKMENTS ARE TO HAVE A MAXIMUM SLOPE GRADIENT OF 1:3. SLOPE GRADIENTS IN GARDENS TO BE RESTRICTED TO 1 IN 12.
9. ALL PROPOSED SIGNING AND LINING, AND ANY EXISTING TO BE REINSTATED, IS TO BE IN ACCORDANCE WITH THE TRAFFIC SIGNS REGULATIONS AND GENERAL DIRECTIONS 2016 AND TO THE SATISFACTION OF THE HIGHWAYS INSPECTOR.
10. NO BLOCKS/SLABS WITH A UNIT WEIGHT IN EXCESS OF 20KG TO BE USED.
11. KERBS IN EXCESS OF 20KG TO BE MACHINE LAID

P01	21/12/22	PRELIMINARY ISSUE FOR COMMENT	SPB
Rev.	Date	Description	By



Client
FOREMAN HOMES

Architect
N/A

Project title
PHASE 3, ST JOHN'S ROAD, HEDGE END.

Drawing title
**278 AGREEMENT
DRAINAGE, LEVELS AND EXTERNAL WORKS**

Scale 1:200	Paper size A1	Date DEC 2022	Drawn by SPB	Checked by SPB	Status S4
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Name							
Project code / No.	Originator	Zone	Level	Type	Role	Number	Revision

FHL013 - AAL-00-XX-DR-C-0525-P01