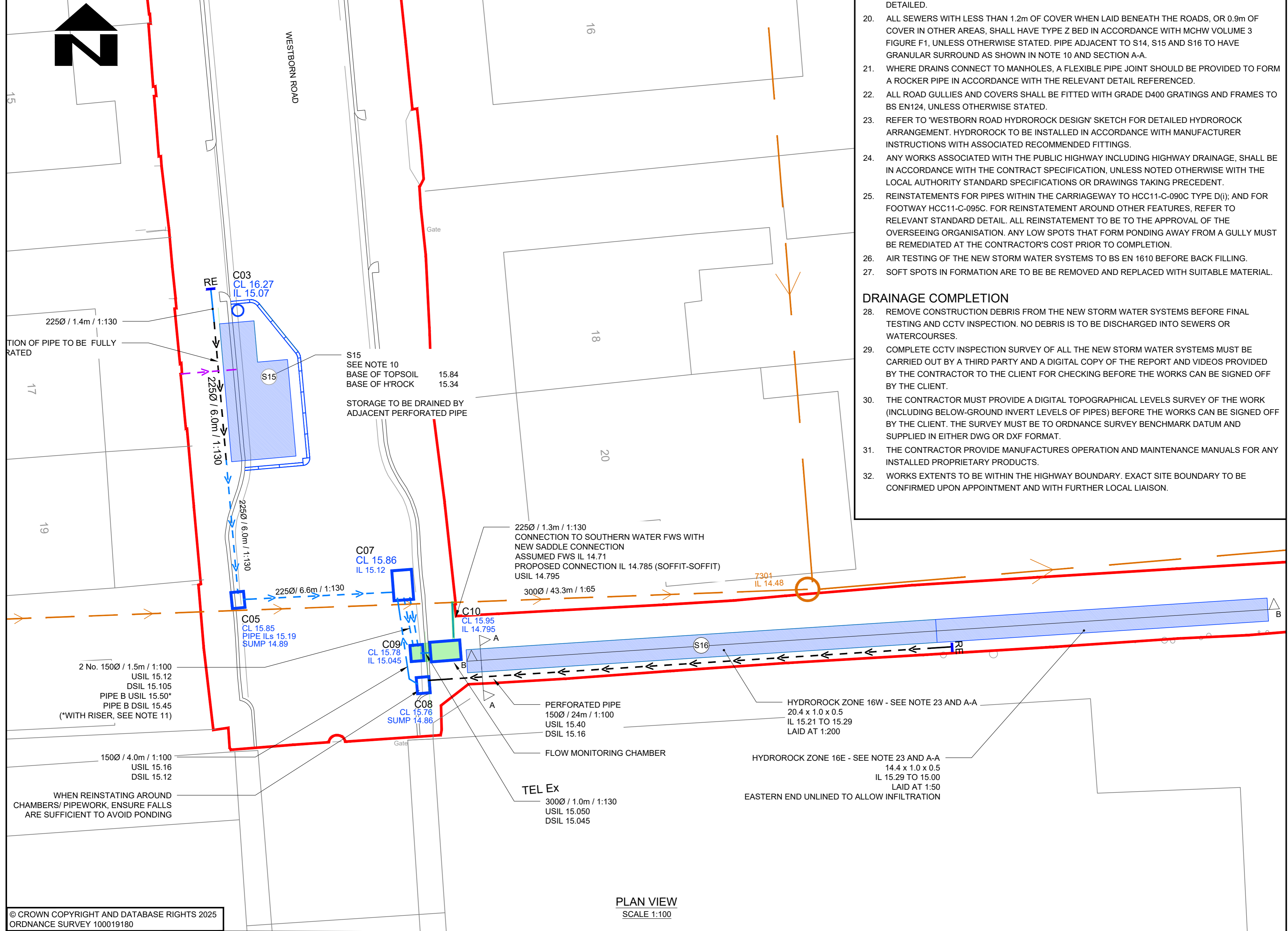


TABLE A
PERMISSIBLE GRANULAR MATERIAL PROPERTIES

PERMISSIBLE MATERIALS	OPTION 1:	OPTION 2:
	TYPE 3 TO CLAUSE 805	COARSE AGGREGATE 4/20 TO BS 7533-13:2009
GRADING ENVELOPE	AS SPECIFIED IN TABLE 8/8	AS SPECIFIED IN BS 7533-13:2009 TABLE A.1
PERFORMANCE	SEE CLAUSE 805	AS SPECIFIED IN BS 7533-13:2009 TABLE A.3
COMPACTION FOR BEDDING LAYER	110mm LAYER IN ACCORDANCE WITH TABLE 8/5	
COMPACTION AS SUB-BASE/GENERAL FILL	150mm LAYERS IN ACCORDANCE WITH TABLE 8/5	



- ### NOTES
- #### GENERAL
- DO NOT SCALE FROM THIS DRAWING, REFER TO FIGURED DIMENSIONS ONLY. THE CONTRACTOR SHOULD CHECK ALL DIMENSIONS ON SITE.
 - ALL DIMENSIONS IN MILLIMETRES AND ALL LEVELS ARE IN METRES UNLESS NOTED OTHERWISE.
 - THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DETAILS, DRAWINGS AND SPECIFICATIONS AS SPECIFIED IN THE CONTRACT DOCUMENTS.
 - ANY DISCREPANCIES SHOULD BE REPORTED TO THE OVERSEEING ORGANISATION IMMEDIATELY TO CLARIFY BEFORE STARTING WORK.
 - IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE COMPLIANCE WITH THE CURRENT CODES OF PRACTICE, STANDARDS AND PRODUCT MANUFACTURES DETAILS AND SPECIFICATION.
 - FOR DETAILS OF THE GENERAL ARRANGEMENT REFER TO RJ510384-HEH-HGN-14407135-DR-CD-0001.
 - FOR DETAILS OF THE SITE CLEARANCE REFER TO RJ510384-HEH-HSC-14407135-DR-CD-0001.
 - FOR DETAILS OF THE PLANTING SPECIFICATION REFER TO RJ510384-HEH-ELS-14407135-DR-CD-0001.
 - FOR DETAILS OF THE EXISTING SERVICES REFER TO RJ510384-HEH-VUT-14407135-DR-CD-0001.
 - FOR SUDS DETAILS REFER TO RJ510384-HEH-HSE-14407135-DE-D-0001 TO -0003.
 - FOR OTHER SCHEME-SPECIFIC DETAILS REFER TO RJ510384-HEH-HSE-14407135-DE-D-0004.
- #### DRAINAGE CONSTRUCTION
- THE CONTRACTOR IS TO KEEP A RECORD OF ANY VARIATIONS AGREED DURING THE DURATION OF THE WORKS, INCLUDING THE RELOCATION OF SEWERS OR DRAINS, SO THAT AN "AS-CONSTRUCTED" DRAWING CAN BE PREPARED UPON COMPLETION OF THE PROJECT.
 - BEFORE COMMENCING CONSTRUCTION THE CONTRACTOR MUST CHECK THE INVERT LEVELS OF EXISTING SEWERS TO WHICH CONNECTIONS ARE MADE - SEE NOTE 6 FOR TRIAL HOLE INFORMATION. ANY DISCREPANCIES ARE TO BE NOTIFIED TO THE CLIENT IMMEDIATELY, PRIOR TO CONSTRUCTION.
 - ALL DRAINAGE WORKS SHOULD COMMENCE AT THE PROPOSED DOWNSTREAM CONNECTION POINT, THE WORKS CONTINUING UPSTREAM FOLLOWING CONFIRMATION OF THE TIE-IN INVERT LEVELS TO THE CLIENT. CONNECTIONS TO MANHOLES OR LARGER SIZED PIPES ETC. SHOULD BE SOFFIT TO SOFFIT UNLESS OTHERWISE INSTRUCTED BY THE CLIENT. IF THIS IS NOT POSSIBLE INFORM THE CLIENT IMMEDIATELY.
 - ALL SEWERS TO BE ADOPTED BY SOUTHERN WATER SHALL BE CONSTRUCTED TO THE STANDARDS AND SPECIFICATION LAID DOWN IN 'THE CODE' (FORMALLY SEWERS FOR ADOPTION). ALL PROPOSED ELEMENTS HATCH GREEN ARE PROPOSED FOR ADOPTION BY SOUTHERN WATER - ALL OTHER PROPOSED ELEMENTS ARE FOR ADOPTION BY HAMPSHIRE COUNTY COUNCIL.
 - SEE NOTE 7 FOR TREATMENT OF REDUNDANT DRAINAGE.
 - ALL STORM WATER PIPE WORK IS TO BE STRUCTURED WALL PLASTIC UNLESS SPECIFIED OTHERWISE
 - ALL UN-REFERENCED PIPES ARE ASSUMED TO BE Ø150. MINIMUM CONSISTENT GRADIENTS ALONG THE WHOLE LENGTH OF THE PIPE AS LISTED BELOW:
 - SW FLATTEST GRADIENT - 1 IN 100 (Ø150)
 - SW FLATTEST GRADIENT - 1 IN 130 (Ø225)
 - PROPOSED COVER LEVELS SHOWN ARE APPROXIMATE. COVERS AND FRAMES SHALL BE SET TO FINISHED GROUND LEVELS AND FALLS TO ENSURE THEY LAY FLUSH UNLESS OTHERWISE DETAILED.
 - ALL SEWERS WITH LESS THAN 1.2m OF COVER WHEN LAID BENEATH THE ROADS, OR 0.9m OF COVER IN OTHER AREAS, SHALL HAVE TYPE Z BED IN ACCORDANCE WITH MCHW VOLUME 3 FIGURE F1, UNLESS OTHERWISE STATED. PIPE ADJACENT TO S14, S15 AND S16 TO HAVE GRANULAR SURROUND AS SHOWN IN NOTE 10 AND SECTION A-A.
 - WHERE DRAINS CONNECT TO MANHOLES, A FLEXIBLE PIPE JOINT SHOULD BE PROVIDED TO FORM A ROCKER PIPE IN ACCORDANCE WITH THE RELEVANT DETAIL REFERENCED.
 - ALL ROAD GULLIES AND COVERS SHALL BE FITTED WITH GRADE D400 GRATINGS AND FRAMES TO BS EN124, UNLESS OTHERWISE STATED.
 - REFER TO 'WESTBORN ROAD HYDROROCK DESIGN' SKETCH FOR DETAILED HYDROROCK ARRANGEMENT. HYDROROCK TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER INSTRUCTIONS WITH ASSOCIATED RECOMMENDED FITTINGS.
 - ANY WORKS ASSOCIATED WITH THE PUBLIC HIGHWAY INCLUDING HIGHWAY DRAINAGE, SHALL BE IN ACCORDANCE WITH THE CONTRACT SPECIFICATION, UNLESS NOTED OTHERWISE WITH THE LOCAL AUTHORITY STANDARD SPECIFICATIONS OR DRAWINGS TAKING PRECEDENT.
 - REINSTATEMENTS FOR PIPES WITHIN THE CARRIAGEWAY TO HCC11-C-090C TYPE D(i); AND FOR FOOTWAY HCC11-C-095C. FOR REINSTATEMENT AROUND OTHER FEATURES, REFER TO RELEVANT STANDARD DETAIL. ALL REINSTATEMENT TO BE TO THE APPROVAL OF THE OVERSEEING ORGANISATION. ANY LOW SPOTS THAT FORM PONDING AWAY FROM A GULLY MUST BE REMEDIATED AT THE CONTRACTOR'S COST PRIOR TO COMPLETION.
 - AIR TESTING OF THE NEW STORM WATER SYSTEMS TO BS EN 1610 BEFORE BACK FILLING.
 - SOFT SPOTS IN FORMATION ARE TO BE REMOVED AND REPLACED WITH SUITABLE MATERIAL.
- #### DRAINAGE COMPLETION
- REMOVE CONSTRUCTION DEBRIS FROM THE NEW STORM WATER SYSTEMS BEFORE FINAL TESTING AND CCTV INSPECTION. NO DEBRIS IS TO BE DISCHARGED INTO SEWERS OR WATERCOURSES.
 - COMPLETE CCTV INSPECTION SURVEY OF ALL THE NEW STORM WATER SYSTEMS MUST BE CARRIED OUT BY A THIRD PARTY AND A DIGITAL COPY OF THE REPORT AND VIDEOS PROVIDED BY THE CONTRACTOR TO THE CLIENT FOR CHECKING BEFORE THE WORKS CAN BE SIGNED OFF BY THE CLIENT.
 - THE CONTRACTOR MUST PROVIDE A DIGITAL TOPOGRAPHICAL LEVELS SURVEY OF THE WORK (INCLUDING BELOW-GROUND INVERT LEVELS OF PIPES) BEFORE THE WORKS CAN BE SIGNED OFF BY THE CLIENT. THE SURVEY MUST BE TO ORDNANCE SURVEY BENCHMARK DATUM AND SUPPLIED IN EITHER DWG OR DXF FORMAT.
 - THE CONTRACTOR PROVIDE MANUFACTURES OPERATION AND MAINTENANCE MANUALS FOR ANY INSTALLED PROPRIETARY PRODUCTS.
 - WORKS EXTENTS TO BE WITHIN THE HIGHWAY BOUNDARY. EXACT SITE BOUNDARY TO BE CONFIRMED UPON APPOINTMENT AND WITH FURTHER LOCAL LIAISON.

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- ### KEY
- 50mm DUCTILE IRON PIPE RETURNED FROM STORE
 - PROPOSED SURFACE WATER PIPE - SEE NOTE 20
 - PROPOSED FULLY-PERFORATED SURFACE WATER PIPE - NOTE 20
 - PROPOSED CHAMBER - REFER TO CHAMBER SCHEDULE
 - EXISTING SOUTHERN WATER FOUL SYSTEM
 - PROPOSED KERBLINE - SEE NOTE 6
 - PROPOSED HYDROROCK ATTENUATION SYSTEM - SEE NOTE 23
 - PROPOSED VENTED RODDING EYE - SEE NOTE 11
 - ELEMENTS ADOPTED BY SOUTHERN WATER - SEE NOTE 15
 - HIGHWAY BOUNDARY - SEE NOTE 32

PARTS OF THIS DRAWING SHOULD BE SHOWN IN COLOUR. IF THIS NOTE IS NOT RED REPRINT A COLOURED COPY

REF	CHAMBER TYPE	COVER LEVEL	COVER TYPE	CHAMBER SIZE	SLAB LEVEL	MATERIAL	DETAIL	EASTING	NORTHING
C03	1200 GULLY POT	CL 16.27	450x450 GULLY GRATING	450-DIA	IL 15.07	PCC	RJ510384-HEH-HSE-14407135-DE-D-0003	457767.535	106369.575
C05	CATCHPIT GULLY	CL 15.85	600x450 GULLY GRATING	600x450	PIPE ILS 15.19	PCC	RJ510384-HEH-HSE-14407135-DE-D-0004 IC6	457767.535	106357.625
C07	FLOW CONTROL	CL 15.86	1200x675 SOLID COVER	1200x750	IL 15.12	PCC	RJ510384-HEH-HSE-14407135-DE-D-0004 FC7	457774.680	106357.675
C08	CATCHPIT GULLY	CL 15.76	600x450 GULLY GRATING	600x450	SUMP 14.86	PCC	RJ510384-HEH-HSE-14407135-DE-D-0004 IC6	457775.570	106353.335
C09	INSPECTION CHAMBER	CL 15.78	600x450 SOLID COVER	600x450	IL 15.045	PCC	RJ510384-HEH-HSE-14407135-DE-D-0004 IC6	457775.295	106354.725
C10	MONITORING CHAMBER	CL 15.95	1200x675 SOLID COVER	1200 x 750	IL 14.795	PCC	752087-SWS-XX-DR-CD-04201	457776.535	106354.820

SUIT	REV	AMENDMENTS	DATE	CAD	CHKD	APPD
A	C05	S14 OMITTED; S16 EXTENDED	01/04/2026	TPS	JRD	JRD
D2	P04	DRAWING AMENDED TO REFLECT REALIGNED KERBLINE OF S15	12/01/2026	ADS	TPS	JRD
D2	P03	DESIGN AMENDED TO USE HYDROROCK	17/11/2025	TPS	YO	JRD
S3	P01	FIRST ISSUE	24/07/2025	TS	JRD	JRD

CLIENT: SOUTHERN WATER SERVICES LTD

CONSULTANT: Hampshire County Council Engineering Services

DESIGNER: TS

CAD: YO

CHECKED: TPS | TPS

APPROVED: JRD | JRD

SCALE @ A1: 1:100

DATE: 24.07.2025

SHEET NUMBER: 1 OF 1

DRAWING NUMBER: RJ510384-HEH-HDG-14407135-DR-CD-0001

SCHEME: FAREHAM SUDS RETROFIT PILOT SCHEME WESTBORN ROAD

DRAWING TITLE: DRAINAGE LAYOUT

JOB No. RJ510384.01

HCC CAD PLOT: 014/2026 14:38:19

SUIT REV: A | C 05