

Houghton Green

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE FOLLOWING DRAWING REFERENCES: 25027-LE-ZZ-DR-01
- SECTION 104
 - 3000 - SECTION 104 - SITE LOCATION PLAN
 - 3001 - SECTION 104 - DRAINAGE PLAN - SHEET 1
 - 3002 - SECTION 104 - DRAINAGE PLAN - SHEET 2
 - 3003 - SECTION 104 - CHAMBER SCHEDULE - SHEET 1
 - 3004 - SECTION 104 - TYPICAL DETAILS
 - 3005 - SECTION 104 - HEADWALL DETAILS
 - 3006 - SECTION 104 - FLOW CONTROL DETAILS
 - 3007 - SECTION 104 - CATCHMENT AREAS - SHEET 1
 - 3008 - SECTION 104 - CATCHMENT AREAS - SHEET 2
 - 3009 - SECTION 104 - FLOOD ROUTING - SHEET 1
 - 3010 - SECTION 104 - FLOOD ROUTING - SHEET 2
- SECTION 38
- 0015 - SECTION 38 - HIGHWAY AND DRAINAGE LONGSECTIONS - SHEET 1
 - 0016 - SECTION 38 - HIGHWAY AND DRAINAGE LONGSECTIONS - SHEET 2
- THIS DRAWING IS BASED ON THE FOLLOWING DRAWINGS & DOCUMENTATION:
- LANDSCAPE LAYOUT - STEN ARCHITECTURE, REF 2081-01-M
 - TOPOGRAPHICAL SURVEY - PD SITE SURVEYS REF 072-002 DATED MARCH 2021

- PROPOSED DRAINAGE KEY:
- PROPOSED ADAPTABLE SW MH & SEWER
 - PROPOSED ADAPTABLE SW DEMARCATION CHAMBER & SEWER
 - PROPOSED ADAPTABLE FW MH & SEWER
 - PROPOSED ADAPTABLE FW DEMARCATION CHAMBER & SEWER
 - PROPOSED COMBINED MH TO BE ADOPTED BY YORKSHIRE WATER
 - PROPOSED S38 HIGHWAY GULLY & PIPE
 - G - SINGLE GULLY
 - DG - DOUBLE GULLY
 - PROPOSED PRIVATE SW MH & SEWER
 - PROPOSED PRIVATE FW MH & SEWER
 - PROPOSED S104 SITE BOUNDARY
 - PROPOSED EASEMENT
 - EXISTING DRAINAGE / SERVICES KEY:
 - EXISTING COMBINED YORKSHIRE WATER MH & SEWER
 - EXISTING DITCH

HEALTH & SAFETY RISKS

IN ADDITION TO THE STANDARD HAZARDS AND RISKS NORMALLY ASSOCIATED WITH THE TYPE OF WORK DETAILED ON THIS DRAWING, PLEASE NOTE THE FOLLOWING RESIDUAL ANOMALY HEALTH AND SAFETY RISKS:

ANOMALY CONSTRUCTION RISKS

- CR01 CONSTRUCTION IN AND AROUND EXISTING BURIED SERVICES - CONTRACTOR TO OBTAIN ACCURATE LOCATIONS OF UNDERGROUND SERVICES WITHIN THE SITE BOUNDARY PRIOR TO COMMENCEMENT OF WORKS. CONTRACTOR TO ALLOW FOR A RISK ASSESSMENT AND PROVIDE MITIGATION TO SUIT.
- CR02 EXISTING BURIED SERVICES KNOWN TO PRESENT WITHIN THE SITE BOUNDARY. EXTRA PRECAUTIONS TO BE TAKEN IN THE EVENT OF BACKWATERING OF THE RELEVANT ADDITIONAL ADJOINING AND ADJACENT SERVICES TO ALLOW FOR RISK ASSESSMENT AND PROVIDE MITIGATION TO SUIT.
- CR03 UNDESIRABLE BURIED HAZARDOUS MATERIALS & SUBSTANCES INCLUDING ASBESTOS, UNKNOWN CONTAMINATED LAND MAY BE ENCOUNTERED DURING THE COURSE OF WORKS. CONTRACTOR TO DETERMINE SAFE METHODS OF WORKING IN THE EVENT OF ENCOUNTERING CONTAMINATED LAND.
- CR04 DEEP SERVICES DEEP LOCATIONS REQUIRED. PILING MAY BE REQUIRED TO ENSURE EXCAVATIONS REMAIN DRY. CONTRACTOR TO ALLOW FOR RISK ASSESSMENT AND PROVIDE MITIGATION TO SUIT.
- CR05 SURFACE WATER OUTFALLS INTO EXISTING WATERCOURSE. CONTRACTOR TO ALLOW FOR RISK ASSESSMENT AND PROVIDE MITIGATION TO SUIT. MAINTAIN WATERCOURSE FLOWS DURING WORKS AND ENSURE NO CONSTRUCTION WASTE ENTERS THE WATERCOURSE.

ANOMALY OPERATION & MAINTENANCE RISKS

- MR01 APPROPRIATE FUTURE MAINTENANCE SHOULD BE IMPLEMENTED TO WATERCOURSE AND BANKS ALONG WITH DESIGN AND CONSTRUCTION OF THE WATERCOURSE TO PREVENT EXCESSIVE BACKLOGGING OF DRAINAGE WATERCOURSE.

IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING IN ACCORDANCE WITH THE REQUIREMENTS DEFINED IN THE COM REGULATIONS 2015.

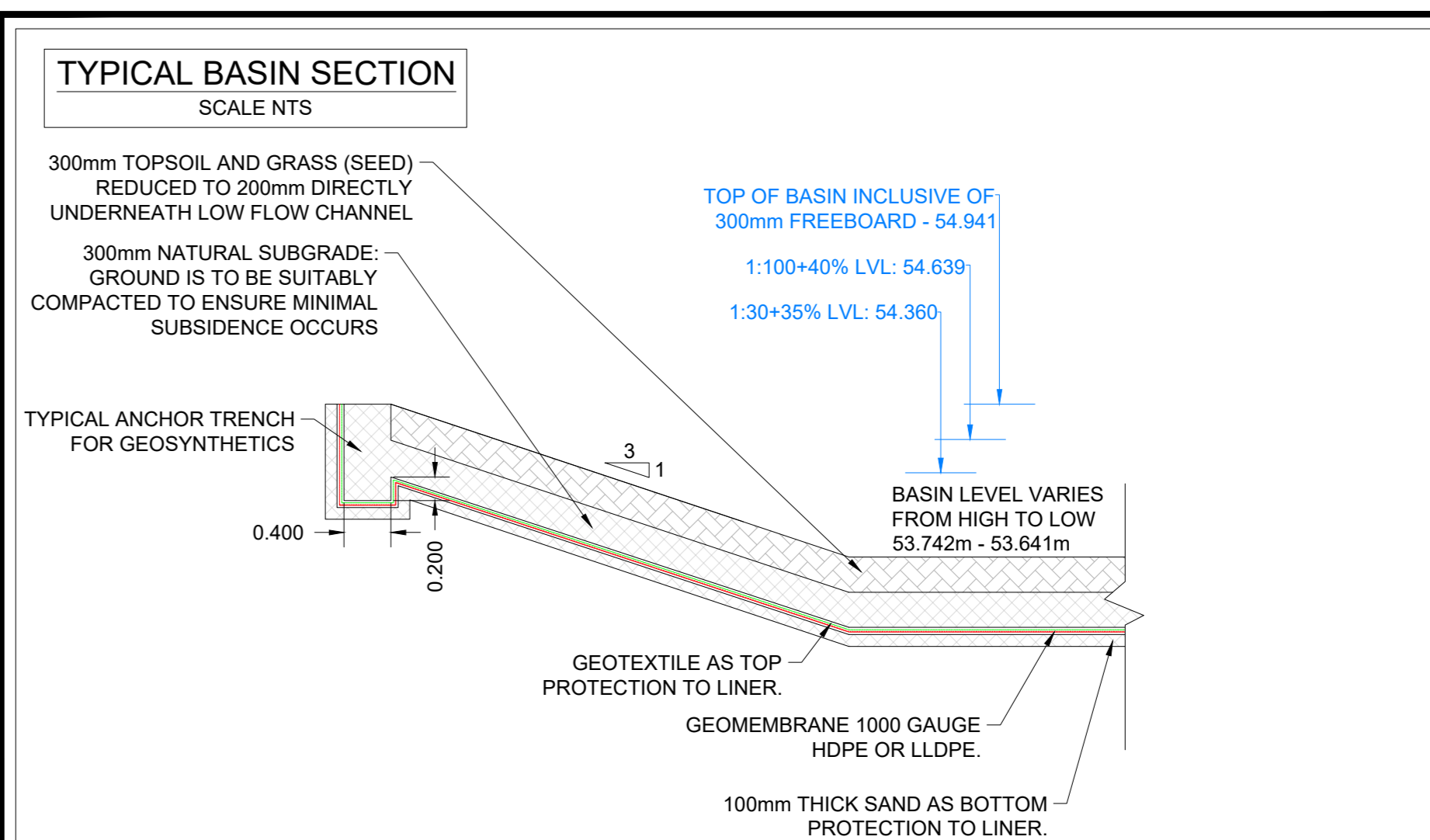
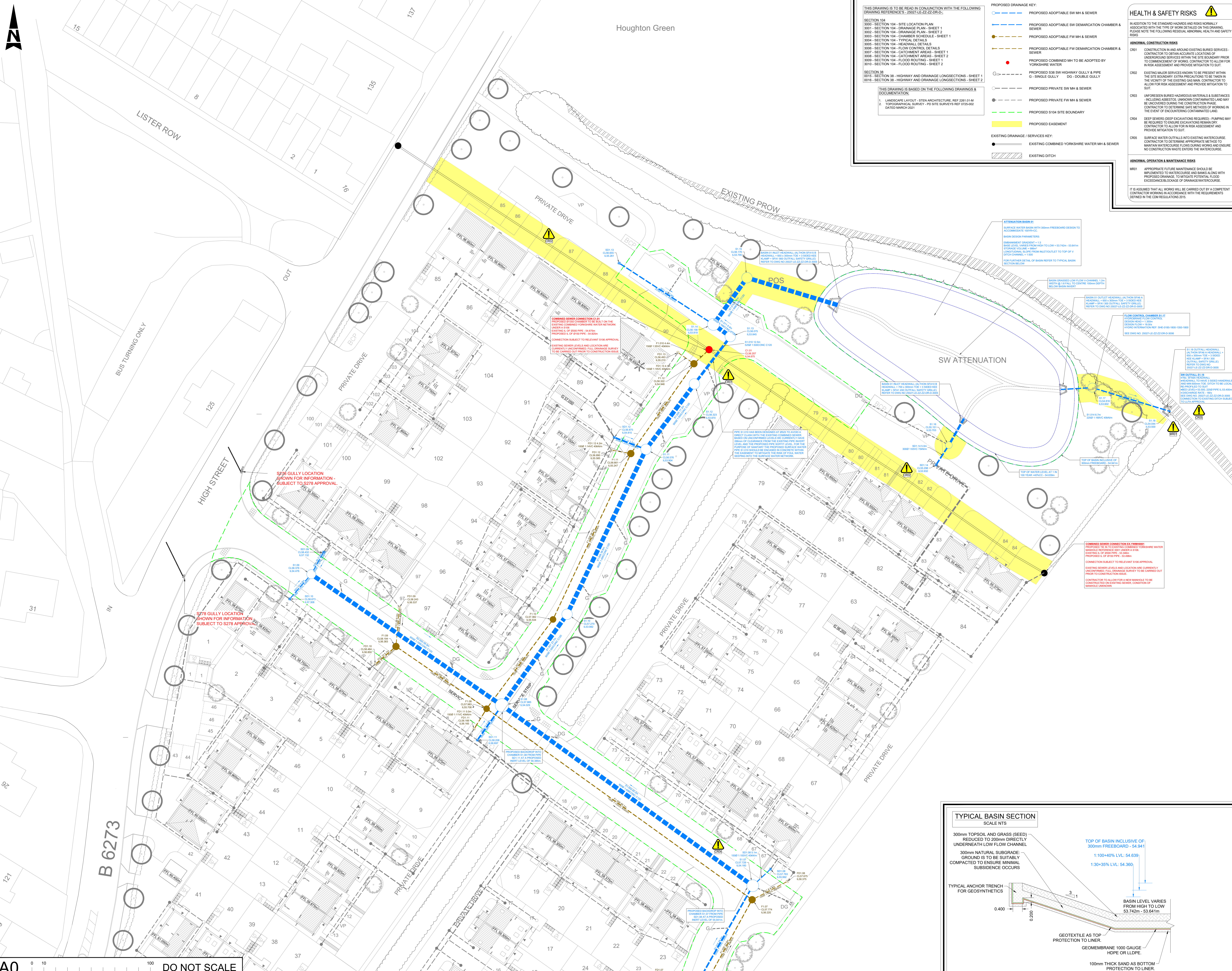
DRAINAGE NOTES

- ALL ADAPTABLE SEWER WORKS AND MATERIAL TO BE IN ACCORDANCE WITH "CODE OF PRACTICE" THE RELEVANT BRITISH STANDARD AND BSI STANDARDS REQUIREMENTS ACCORDING TO THE MECHANICAL AND ELECTRICAL STANDARDS REQUIREMENTS.
- MANHOLE COVERS SHALL HAVE A CLEAR OPENING OF 800mm AND SHALL BE CLASS D40 TO BS EN 124. ALL MANHOLES SHALL BE CONCRETE TO BS EN 124. ALL CONCRETE PIPES SHALL BE CLASS D40 TO BS EN 124. ALL CONCRETE PIPES SHALL BE CLASS D40 TO BS EN 124. ALL CONCRETE PIPES SHALL BE CLASS D40 TO BS EN 124.
- COVER SLABS MUST CARRY THE BS KITEMARK OR WILL BE REJECTED BY INW. INSPECTOR. UNLESS A SPECIFIC OPERATIONAL NEED TO LAY LONGER LENGTHS, PLASTIC CHANNEL SECTIONS IN MANHOLES ARE NOT ACCEPTABLE AND WOULD PREFERABLY BE MANHOLES IN MANHOLES WE HAVE FOUND THAT PLASTIC CHANNELS ARE DIFFICULT TO SET IN CONCRETE BECAUSE THEY FLAT AND A SATISFACTORY FINISH CANNOT BE OBTAINED ON THE BENCHING.
- WHERE A BS COVER AND FRAME HAS BEEN APPROVED, THIS MUST NOT BE COATED IN PLASTIC AND MUST HAVE LIFTING EYES SUITABLY SIZED TO ACCOMMODATE STANDING STANDINGS IN SOREN DOWN COVERS ARE NOT ACCEPTABLE.
- THERE SHOULD BE ENOUGH CLEARANCE TO ACCOMMODATE BEDDING FOR BOTH PIPES APPROX. 20mm IF CROSSOVER IS NEAR THE PROXIMITY THE CLEARANCE NEEDED MAY BE INCREASED.

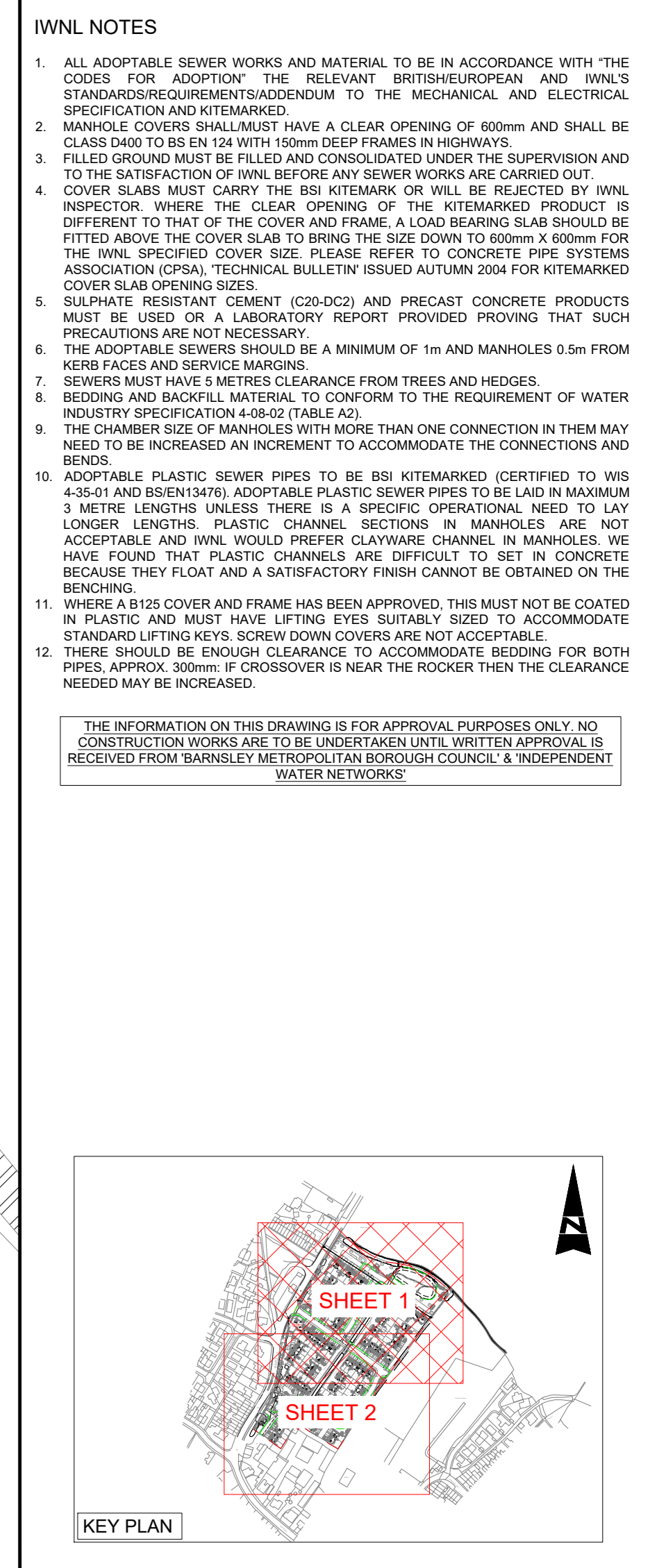
INWLN NOTES

- ALL ADAPTABLE SEWER WORKS AND MATERIAL TO BE IN ACCORDANCE WITH THE CODES FOR ADOPTING THE RELEVANT BRITISH STANDARD AND BSI STANDARDS REQUIREMENTS ACCORDING TO THE MECHANICAL AND ELECTRICAL STANDARDS REQUIREMENTS.
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THE INFORMATION ON THIS DRAWING IS FOR APPROVAL PURPOSES ONLY. NO CONSTRUCTION WORKS ARE TO BE UNDERTAKEN UNTIL WRITTEN APPROVAL IS RECEIVED FROM BARNSLEY METROPOLITAN BOROUGH COUNCIL & INDEPENDENT WATER ENGINEERS.



A0 0 100 DO NOT SCALE



SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPE OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING SIGNIFICANT RESIDUAL RISKS

Rev	Description	By	Date	CHK'd	Auth
S4	FOR APPROVAL		25.02.26	RSL	
S4	FOR APPROVAL		06.11.25	RSL	
S4	FOR APPROVAL		11.08.25	CK	
S4	FOR APPROVAL		21.07.25	RSL	
S4	FOR APPROVAL		30.06.25	RSL	
001	Purpose of Issue				

001	REVISED FOLLOWING POND RELOCATION	TH	25.02.26	CK	RSL
004	REVISED FOLLOWING SUBSTATION LOCATION	TH	06.11.25	CK	RSL
003	UPDATED FOLLOWING INWLN REVIEW	TH	11.08.25	CK	CK
002	AMENDED NETWORK TO SUIT PD	TH	21.07.25	CK	RSL
P01	FIRST ISSUE	TH	30.06.25	CK	RSL

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AVANT homes

GREAT HOUGHTON BARNLSLEY

SECTION 104 - PROPOSED DRAINAGE LAYOUT SHEET 1

Sheet: S04 Original Scale: 1:250 Design/Drawn: TH Checked: CK Authorised: RSL
Date: 30.06.25 Date: 30.06.25 Date: 30.06.25

Status: S4 Drawing Number: 25027-LE-ZZ-DR-D-3001 Rev: P05