



SOUTH C1 BASIN
STORAGE VOLUME 760m³
IL 76.940
MAX WL 78.015m
MAX BASIN DEPTH 1.075m
TOP PREBOARD 78.315m
FLAT BASE, 1:3 SIDE SLOPES
1:3 BANKING TO SURROUNDING LEVELS

PROPOSED ADOPTING AUTHORITY BASIN ACCESS
ACCESS TO PROPOSED BASIN STORAGE STRUCTURE
TO BE PROVIDED. ACCESS TRACK TO BE
GRASSCRETTE WITH DROP KERB. SUBJECT TO
TECHNICAL APPROVAL FROM ADOPTING AUTHORITY
CURRENTLY IN ABYCEANCE

PROPOSED RETRACTABLE BOLLARDS

FC1 - FLOW CONTROL
IL 76.188 (1500)
DESIGN FLOW: 3 s/s
DESIGN HEAD: 1.70m
SUMP: 180mm W x 345mm D
CTL-SHE-0083-3500-1700-3500

**SOUTH CATCHMENT SURFACE AND
FOUL WATER OUTFALL**
PROPOSED SURFACE AND FOUL
WATER TO OUTFALL TO PROPOSED
COMBINED WATER CHAMBER C1

SOUTH CATCHMENT SURFACE AND FOUL WATER OUTFALL
PROPOSED COMBINED WATER CHAMBER C3 TO BE CONSTRUCTED
ON EXISTING 2250 YORKSHIRE WATER COMBINED SEWER.
ALTHOUGH THE EXISTING SEWER RUNS ADJACENT TO THE
PROPOSED SITE ENTRANCE, THE CONNECTION IS TO BE MADE
FURTHER DOWNSTREAM TO ACHIEVE THE REQUIRED DEPTH FOR
THE SECTION 104 DRAINAGE SYSTEM.
CONNECTION TO EXISTING SEWER IS SUBJECT TO YORKSHIRE
WATER APPROVAL UNDER SECTION 106 AGREEMENT.
EXACT LOCATION AND INVERT LEVEL OF EXISTING SEWER TO BE
CONFIRMED BY CCTV AND MANHOLE SURVEY PRIOR TO
COMMENCEMENT OF WORKS.

DO NOT SCALE FROM THIS DRAWING

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH
ALL OTHER HBL DRAWINGS ISSUED FOR THIS PROJECT

- ADOPTABLE DRAINAGE NOTES:**
- THIS DRAWING IS SUBJECT TO APPROVAL BY LOCAL AUTHORITY, BUILDING CONTROL AND / OR SEWERAGE UNDERTAKER. ANY WORKS UNDERTAKEN PRIOR TO THE GRANTING OF THESE APPROVALS IS CARRIED OUT AT RISK TO OTHERS.
 - PRIOR TO COMMENCING WORK ON THE DRAINAGE, ALL EXISTING DRAINS, SEWERS, MANHOLES AND OUTFALLS TO REMAIN SHALL BE LOCATED, IDENTIFIED AND A CCTV CONDITION SURVEY CARRIED OUT, WHERE NECESSARY, PROTECTION TO THE EXISTING DRAINAGE INFRASTRUCTURE SHALL BE PROVIDED.
 - ALL EXISTING SEWERS AND MANHOLES ABANDONED DUE TO THE PROPOSED WORKS ARE TO BE EITHER REMOVED, AND SUITABLY BACKFILLED OR GROUTED UP.
 - ALL MANHOLE COVERS TO COMPLY WITH BS EN 124, AND BE KITEMARKED.
 - COVER LEVELS FOR MANHOLES ARE APPROXIMATE ONLY AND SHOULD BE ADJUSTED TO MATCH SURROUNDING LEVELS.
 - IN BLOCK PAVED AREAS 'INFILL' TYPE COVERS SHOULD NOT BE USED, AND FRAMES MUST BE 150MM DEEP.
 - ALL MANHOLE AND DRAINAGE COVERS SHALL COMPLY WITH BS EN124, BS EN13598-1 AND HA10409.
COVER STRENGTHS TO BE:-
CLASS E600 IN AREAS OF HEAVY LOADING
CLASS D400 IN ALL TRAFFICED AREAS (ROADS, HARD SHOULDER, PARKING AREAS AND SERVICES YARDS). MANHOLE COVERS ON FOUL ONLY SEWERS SHALL BE OF LOW LEAKAGE TYPES IN ORDER TO PREVENT EXCESSIVE SURFACE WATER INGRESS.
 - DRAINAGE PIPES 100MM Ø UNLESS STATED OTHERWISE. PIPES TO BE - VITRIFIED CLAY TO BS EN 295 OR CONCRETE TO BS 5911 OR UPVC PIPES TO BS EN 1452 OR THERMOPLASTIC STRUCTURED WALL PIPES COMPLYING WITH WIS 4-35-01, BSI KITEMARKED, CLASS 8KMM NOMINAL SHORT TERM RING STIFFNESS.
 - ALL SEWER PIPES 300MM DIAMETER OR LARGER, TO BE CONCRETE PIPES, TO BS 5911, UNLESS NOTED OTHERWISE.
 - ALL PIPES TO BE LAID WITH SOFFITS LEVEL, UNLESS NOTED OTHERWISE.
 - WHERE COVER TO PIPES IS LESS THAN 1200MM UNDER CARRIAGEWAY - CONCRETE BED AND SURROUND OR CONCRETE PROTECTION SLAB IS REQUIRED.
 - ALL CONCRETE TO DRAINAGE MANHOLES BASES, SURROUNDS ETC TO BE IN ACCORDANCE WITH THE BRE SPECIAL DIGEST 1 - CONCRETE IN AGGRESSIVE GROUND. REFER TO SITE INVESTIGATION REPORT FOR SULPHATE REQUIREMENTS.
 - ALL MANHOLES, PIPE TRENCHES ETC. TO BE BACKFILLED WITH IMPORTED GRANULAR FILL TO CLASS BF-4F5 (CAPPING MATERIAL) TO (SHW) TABLE 6/1 & COMPACTED IN ACCORDANCE WITH TABLE 6/4.
 - ALL PIPELINES SHALL BE TESTED BOTH BEFORE AND AFTER BACKFILLING, USING EITHER AIR TEST OR WATER TEST, IN ACCORDANCE WITH BS EN 1610.
 - UPON COMPLETION OF THE DRAINAGE WORKS ALL DRAINS SHALL BE FLUSHED OUT AND CCTV SURVEYED AND SHOWN TO BE FREE OF ALL SILT AND DEBRIS AND TO HAVE NO JOINT DISPLACEMENTS OR OTHER DEFECTS. A COPY OF THE WRITTEN REPORT AND VIDEO IS TO BE FORWARDED TO THE ENGINEERS FOR COMMENT. ANY DEFECTS SHALL BE ATTRIBUTABLE TO THE CONTRACTOR FOR RECTIFICATION UNLESS INDICATED OTHERWISE BY THE CCTV REPORT AND AGREED WITH THE ENGINEERS.
 - ADOPTABLE DEMARCATION MANHOLES AND LATERAL DRAINS NEED TO BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT WATER UK/WRC "SEWERAGE SECTOR GUIDANCE - APPENDIX C" AND THE ADOPTING WATER AUTHORITIES RECOMMENDATIONS.

- KEY - PLAN**
- SITE BOUNDARY
 - PROPOSED S104 STORM DRAINAGE
 - PROPOSED S104 FOUL DRAINAGE
 - PROPOSED S104 COMBINED DRAINAGE
 - PROPOSED SURFACE WATER DEMARCATION DRAIN
 - PROPOSED FOUL WATER DEMARCATION DRAIN
 - PROPOSED GULLIES AND CONNECTIONS
 - EXISTING ASSUMED WATERCOURSE
 - EXISTING HIGHWAY DRAIN ASSUMED ROUTE
 - EXISTING COMBINED SEWER
 - EXISTING FOUL SEWER
 - EXISTING FOUL RISING MAIN
 - ADOPTING AUTHORITY EASEMENT
 - BASIN MAX WATER LEVEL
 - BASIN MAINTENANCE ACCESS
 - HIGHWAY EASEMENT
 - BASIN STORAGE EXTENTS, ACCESS AND MAINTENANCE ROUTE DENOTE EXTENTS OF ADOPTING AUTHORITY ADOPTION FOR BASINS
 - PROPOSED CONTOURS 0.25m INTERVALS
 - EARTHWORKS TIE IN POINT TO EXISTING
 - ABANDONED CULVERT ROUTE
 - PROPOSED CULVERT DIVERSION ROUTE
 - EXISTING CULVERT ROUTE

REV.	DATE	DRAWN	DESCRIPTION	CHKD	APPRD	STATUS
P03	06.03.26	SP	ISSUED FOR TECHNICAL APPROVAL	AC	RJ	
P02	16.11.25	RJ	REVISED DRAINAGE TO SUIT LATEST MASTERPLAN LAYOUT	RJ	RJ	
P01	06.11.25	AC	TENDER DRAWING	RJ	RJ	

STATUS DESCRIPTION STATUS

FOR TECHNICAL APPROVAL S4

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PROJECT				WOOLLEY COLLIERY			
DRAWING TITLE				SECTION 104 AGREEMENT PLAN SOUTH CATCHMENT			
CLIENT				MJ GLEESON			
HBL REF.	10701	DATE	OCT 25	SCALE(S)	1:500	A1	
DRAWN	RJ	CHECKED	RJ	APPROVED	RJ		
DRAWING No. 10701-HBL-XX-XX-DR-C-5502						REV. P03	