

**SOUTH C1 BASIN**  
STORAGE VOLUME 760m<sup>3</sup>

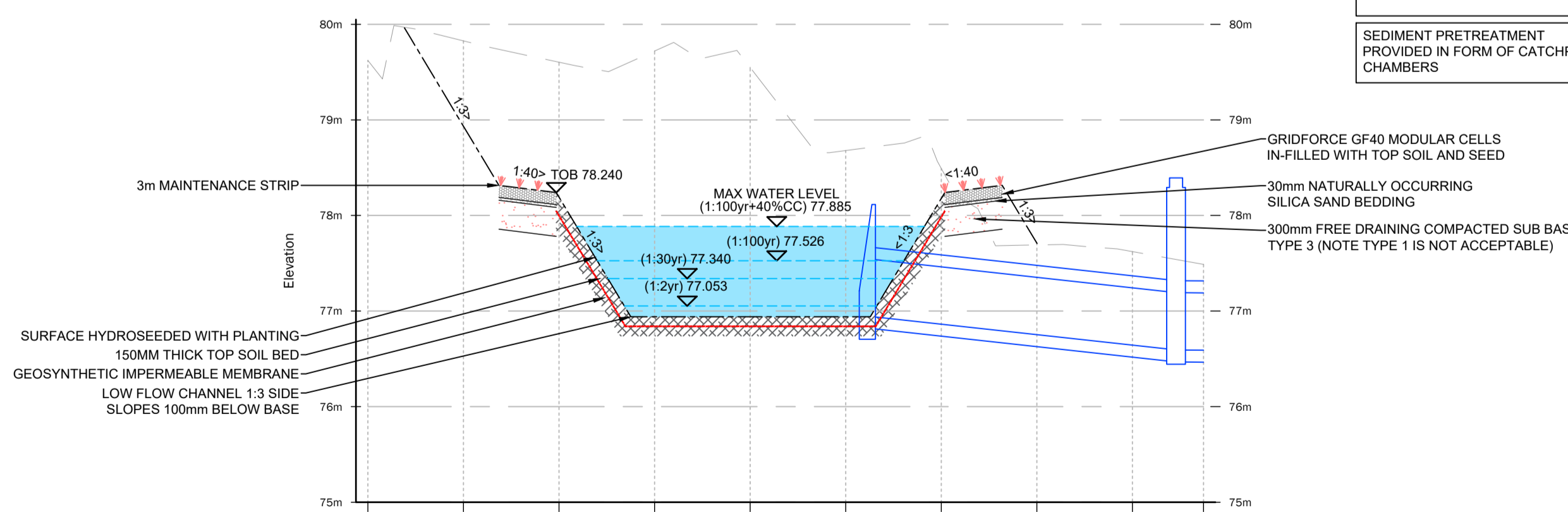
IL 76.940  
MAX WL 78.015m  
TOB/FREEBOARD 78.315m  
FLAT BASE, 1:3 SIDE SLOPES  
1:3 BANKING TO SURROUNDING LEVELS

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

IMPORTED TOPSOIL TO COMPLY  
WITH BS 3882  
GEOSYNTHETIC IMPERMEABLE  
MEMBRANE TO COMPLY WITH BS N  
13361  
BASIN SHOULD BE BUILT IN LINE  
WITH THE DESIGN AND  
CONSTRUCTION GUIDANCE, WITH  
SPECIFIC REFERENCE TO SECTION  
E2.45

EROSION PROTECTION SUPPLIED IN  
FORM OF BASE LINED RIPRAP

SEDIMENT PRETREATMENT  
PROVIDED IN FORM OF CATCHPIT  
CHAMBERS



SECTION C-C - SOUTH POND

Chainage	0m	4m	10m	15m	20m	25m	30m	35m	40m	44m
EXISTING LEVELS	78.822	78.827	78.903	78.921	78.948	78.679	78.492	77.691	77.652	77.488
FINISHED LEVELS		78.933	78.191	78.903	78.940	78.679	78.178	77.710	77.652	77.488

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 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 EN 124, BS EN 13598-1 AND HA10409. COVER STRENGTHS TO BE:-  
CLASS E600 IN AREAS OF HEAVY LOADING.  
CLASS D400 IN ALL TRAFFICKED 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 BRMM 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 6F1-6F5 (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'
  - ALL WORKS TO SEWERS/MANHOLES BEING OFFERED FOR ADOPTION OR ON EXISTING PUBLIC SEWERS SHOULD BE IN ACCORDANCE WITH 'SEWERAGE SECTOR GUIDANCE - APPENDIX C' AND THE ADOPTING WATER AUTHORITIES RECOMMENDATIONS.

- KEY - PLAN
- S104 BOUNDARY
  - SITE BOUNDARY
  - PROPOSED S104 STORM DRAINAGE
  - PROPOSED S104 FOUL DRAINAGE
  - PROPOSED S104 COMBINED DRAINAGE
- S104 DRAINAGE TO FOLLOW DESIGN AND CONSTRUCTION GUIDANCE FOR FOUL AND SURFACE WATER SEWERS OFFERED FOR ADOPTION. DETAILS PROVIDED BY WATER UK, SUBJECT TO ADOPTING AUTHORITY TECHNICAL APPROVAL.  
CP = CATCHPIT  
FC = FLOW CONTROL CHAMBER
- EXISTING ASSUMED WATERCOURSE
  - EXISTING HIGHWAY DRAIN ASSUMED ROUTE
  - EXISTING COMBINED SEWER
  - EXISTING FOUL SEWER
  - EXISTING FOUL RISING MAIN
  - ADOPTING AUTHORITY EASEMENT
  - BASIN ADOPTION EXTENTS
- 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

REV.	DATE	DRAWN	DESCRIPTION	CHKD	APPRD
P02	12.11.25	RJ	REVISED TO SUIT NEW MASTERPLAN LAYOUT	RJ	RJ
P01	06.11.25	RJ	ISSUED FOR TENDER	RJ	RJ

STATUS DESCRIPTION: FOR INFORMATION

STATUS: S3

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PROJECT: WOOLLEY COLLIERY

DRAWING TITLE: SECTION 104 ATTENUATION BASINS SHEET 2 OF 2

CLIENT: 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-5522 REV. P02