



EXTERNAL AND FINISHED LEVELS DESIGNED TO ENSURE THAT EXCESSANCE FLOWS ARE DIRECTED AWAY FROM BUILDINGS AND RETAINED WITHIN PARKING AREA/HIGHWAY

4.334m³ FLOOD AT MH S8. EXCESSANCE FLOWS DIRECTED TO LESS VULNERABLE RECEPTORS - PARKING BAYS

4.984m³ FLOOD AT MH S13. EXCESSANCE FLOWS DIRECTED TO LESS VULNERABLE RECEPTORS - PUBLIC OPEN SPACE & CAR PARK AREA

6.945m³ FLOOD AT MH S6. EXCESSANCE FLOWS DIRECTED TO LESS VULNERABLE RECEPTORS - PUBLIC OPEN SPACE

1.66m³ FLOOD AT MH S5. EXCESSANCE FLOWS DIRECTED TO LESS VULNERABLE RECEPTORS - PUBLIC OPEN SPACE AREA

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1.657m³ FLOOD AT MH S26. EXCESSANCE FLOWS DIRECTED TO LESS VULNERABLE RECEPTORS - PARKING AREA

3.368m³ FLOOD AT MH S29. EXCESSANCE FLOWS DIRECTED TO LESS VULNERABLE RECEPTORS - PUBLIC HIGHWAY AND PARKING BAYS

1.706m³ FLOOD AT MH S45. EXCESSANCE FLOWS DIRECTED TO LESS VULNERABLE RECEPTORS ALONG PUBLIC HIGHWAY

1.559m³ FLOOD AT MH S44. EXCESSANCE FLOWS DIRECTED TO LESS VULNERABLE RECEPTORS ALONG PUBLIC HIGHWAY

4.209m³ FLOOD AT MH S40. EXCESSANCE FLOWS DIRECTED TO LESS VULNERABLE RECEPTORS ALONG PUBLIC HIGHWAY

6.996m³ FLOOD AT MH S38. EXCESSANCE FLOWS DIRECTED TO LESS VULNERABLE RECEPTORS - PARKING BAYS

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ATTENUATION PROVISION
THE SURFACE WATER DRAINAGE SYSTEM DISCHARGING TO WATERCOURSE HAS BEEN DESIGNED TO ACCOMMODATE THE 1 IN 30 YEAR STORM WITH NO FLOODING AND TO RETAIN THE 1 IN 100 YEAR CRITICAL STORM EVENT WITH A 30% INCREASE FOR CLIMATE CHANGE WITHIN THE SITE WITHOUT CAUSING HARM TO PEOPLE AND DAMAGE TO PROPERTY.

IN THE EVENT THAT OVERLAND FLOOD FLOWS RESULT, FLOW WILL BE ROUTED AND RETAINED WITHIN THE SITE ROADS.

DO NOT SCALE

NOTES

- ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE STATED.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT SCHEME DRAWINGS AND SPECIFICATIONS.
- THIS DRAWING IS NOT TO BE PRODUCED IN ANY PART OR FORM WITHOUT CONSENT OF WSP, ALL COPY RIGHT RESERVED.
- DO NOT SCALE, IF IN DOUBT CONTACT WSP.
- THE BASE DRAWING (TOPOGRAPHICAL SURVEY) HAS BEEN PROVIDED BY OTHERS, THIS HAS NOT BEEN VALIDATED BY WSP. SURVEY STATION LOCATION AND CO-ORDINATES TO BE CONFIRMED ON SITE PRIOR TO COMMENCEMENT OF SETTING OUT.
- EXISTING ROAD LEVEL AND DRAINAGE INVERT LEVELS SHALL BE CHECKED PRIOR TO CONSTRUCTION COMMENCEMENT. ANY DISCREPANCY SHALL BE REFERRED TO THE ENGINEER.
- NO SERVICE INFORMATION HAS BEEN SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL RELEVANT SERVICE INFORMATION AND TO VALIDATE THIS ON SITE PRIOR TO COMMENCEMENT. ALL POTENTIAL CLASHES TO BE REPORTED TO THE ENGINEER PRIOR TO COMMENCEMENT.
- ANY DISCREPANCIES SHOULD BE REPORTED TO THE ARCHITECT AND/OR ENGINEER IMMEDIATELY SO THAT CLARIFICATION CAN BE SOUGHT PRIOR TO THE COMMENCEMENT OF WORK.
- THE PLANNING, DESIGN AND CONSTRUCTION OF SEWERS SHALL BE IN ACCORDANCE WITH DESIGN AND CONSTRUCTION GUIDANCE, THE RELEVANT BRITISH/EUROPEAN AND YORKSHIRE WATER'S STANDARDS/ REQUIREMENTS AND KITMARKED.
- LOCATIONS AND LEVELS OF EXISTING MANHOLES AND OUTFALLS TO BE VERIFIED ON SITE PRIOR TO COMMENCEMENT OF WORKS.
- LEVELS OF DRAINS AND SEWER CROSSING LOCATIONS ARE TO BE CHECKED ON SITE BEFORE CONSTRUCTION.
- MANHOLE COVERS SHALL/MUST HAVE A CLEAR OPENING OF 600mm AND SHALL BE CLASS D400 TO BS EN 124 WITH 150mm DEEP FRAMES IN HIGHWAYS.
- COVER LEVELS SHOWN ARE APPROXIMATE. COVERS SHALL BE SET TO SUIT THE PROPOSED CARRIAGEWAY LEVELS AND GRADIENT.

KEY

- ← OVERLAND FLOOD ROUTING
- SITE BOUNDARY
- ★ HIGH / ★ LOW SITE LOCAL HIGH POINT/ LOW POINT

UNTIL TECHNICAL APPROVAL HAS BEEN OBTAINED FROM THE RELEVANT LOCAL AUTHORITIES OR STATUTORY BODIES, IT SHOULD BE UNDERSTOOD THAT ALL DRAWINGS ARE ISSUED AS PRELIMINARY AND NOT FOR CONSTRUCTION. SHOULD THE CONTRACTOR AND / OR EMPLOYER COMMENCE WORK PRIOR TO APPROVAL BEING GIVEN, IT IS ENTIRELY AT THEIR OWN RISK

PO1	06/07/2021	GW	FIRST ISSUE	DV	DB
REV	DATE	BY	DESCRIPTION	CHK	APP

DRAWING STATUS: **S2 - FOR INFORMATION**

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CLIENT: **BDW HOMES WEST YORKSHIRE**

ARCHITECT: **PARKER PEEL ARCHITECTURAL**

SITE PROJECT: **OWL LANE, CHIDSWELL RESIDENTIAL DEVELOPMENT**

TITLE: **SECTION 104 FLOOD ROUTING PLAN**

SCALE @ A1:	1:500	CHECKED:	DV	APPROVED:	DB
PROJECT NO:	70065703	DESIGNED:	GW/DV	DRAWN:	GW
DRAWING NO:	6590-0117 DETAILS - ENGINEERING_AFU_ S104 FLOOD ROUTE PLAN	DATE:	July 21	REV:	P01

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