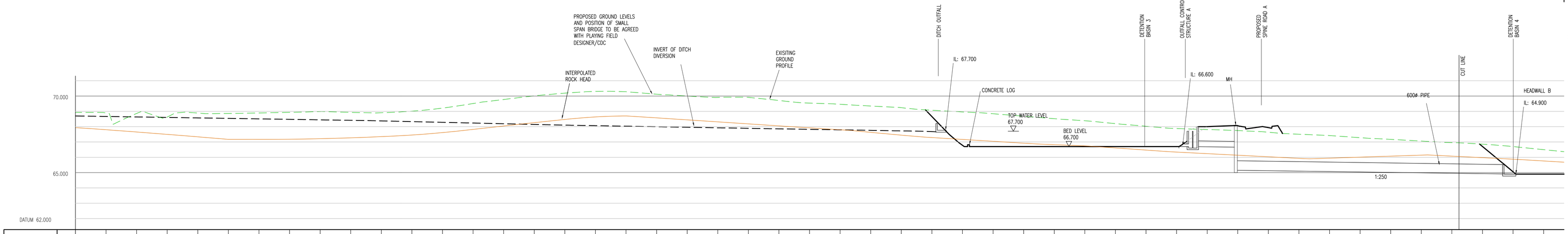
DO NOT SCALE

NOTES

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED SIMILARLY ALL LEVELS ABOVE DATUM ARE ALSO IN METRES.
2. PIPE DIAMETERS ARE IN MILLIMETRES.
3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ENGINEERING DETAILS, DRAWINGS & SPECIFICATIONS.
4. PRIOR TO CONSTRUCTION WORKS COMMENCING ON SITE, THE LOCATION OF ALL EXISTING SERVICES ARE TO BE CHECKED AND THEIR LOCATION CONFIRMED.

   THE LOCATION OF ANY SERVICES SHOWN ON WSP DRAWINGS ARE INDICATIVE ONLY. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND PROVE THE POSITION/LEVEL OF ALL SERVICES WHICH WILL AFFECT THE WORKS PRIOR TO COMMENCING ANY CONSTRUCTION.

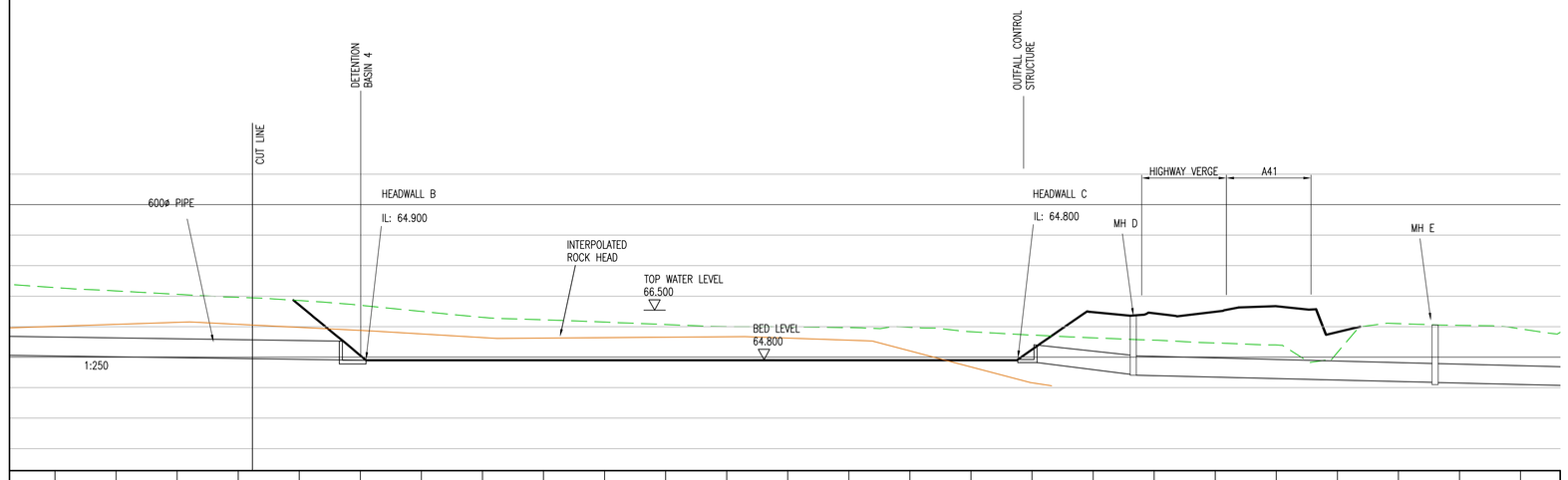
   ANY RELOCATION/REMEDIAL WORKS REQUIRED ARE TO BE COMPLETED IN ADVANCE OF THE PROPOSED WORKS AND IN ACCORDANCE WITH THE RELEVANT STATUTORY UNDERTAKERS REQUIREMENTS.
5. MANHOLES COVERS FOR ADOPTABLE CHAMBERS ARE TO BE 150mm DEEP NON-ROCKING AND GRADE D400 TO BS EN 124. THE COVERS SHALL BE BADGED FW AND SW APPROPRIATELY.
6. ALL PIPES SHALL BE LAID SOFFIT TO SOFFIT WITH OUTGOING PIPES UNLESS OTHERWISE STATED.
7. CLASS S BED & SURROUND TO BE USED WHERE COVER TO PIPE IS GREATER THAN 1.2m IN HIGHWAYS, OR 0.9m IN OPEN SPACE, OTHERWISE CONCRETE PROTECTION WILL BE REQUIRED. PLEASE REFER TO STANDARD DETAIL 1903/SD/101 FOR FURTHER INFORMATION.
8. ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH SEWERS FOR ADOPTION, 6TH EDITION.
9. ALL BASIN SLOPES TO BE MAXIMUM GRADIENT OF 1/6
10. STRAIGHT LINE INTERPOLATED ROCK HEAD IS INDICATIVE ONLY AND SHALL NOT BE USED FOR COSTING.
11. POOL AND RIFFLE. 300MM DIA LOGS TO BE PLACES TRANSVERTICALLY ACROSS CHANNEL. POSITIONS TO BE AGREED ON SITE WITH THE EA FISHERIES AND FLOOD PROTECTED OFFICERS. BED MATERIAL (GRAVEL) FROM EXISTING WATERCOURSE BED TO BE TRANSLOCATED TO DIVERTED CHANNEL BED.



CHAINAGE	0.000	10.000	20.000	30.000	40.000	50.000	60.000	70.000	80.000	90.000	100.000	110.000	120.000	130.000	140.000	150.000	160.000	170.000	180.000	190.000	200.000	210.000	220.000	230.000	240.000	250.000	260.000	270.000	280.000	290.000	295.000	300.000	310.000	320.000	330.000	340.000	350.000	360.000	370.000	380.000	390.000	400.000	410.000	420.000	430.000	440.000	450.000	460.000	470.000	480.000	490.000
EXISTING LEVEL	68.536	68.892	68.863	68.828	68.989	68.964	68.893	68.937	68.987	68.935	68.909	69.009	69.207	69.501	69.771	70.010	70.196	70.300	70.282	70.124	70.004	69.909	69.916	69.715	69.543	69.466	69.351	69.245	69.075	68.965	68.848	68.686	68.525	68.389	68.204	68.031	67.881	67.815	67.748	67.641	67.510	67.422	67.285	67.175	67.064	66.963	66.859	66.707	65.503	
DETENTION BASIN 3 LEVEL																													68.158	67.365	66.700	66.700	66.700	66.700	66.700	66.700	66.700	66.700	66.700	66.700	66.778	67.485	67.740	67.508									
DETENSION BASIN 4 LEVEL																																															66.474	65.650	64.800	64.800	64.800	64.800	64.800
INTERPOLATED ROCK HEAD	67.939	67.801	67.653	67.498	67.337	67.170	67.172	67.182	67.216	67.271	67.352	67.452	67.609	67.815	68.039	68.256	68.467	68.633	68.300	68.378	68.448	68.377	68.187	68.057	67.928	67.801	67.654	67.452	67.291	67.170	67.148	66.926	66.827	66.747	66.615	66.414	66.342	66.240	66.137	66.035	65.933	65.842	66.009	66.075	66.142	66.080	65.980	65.880	65.784	

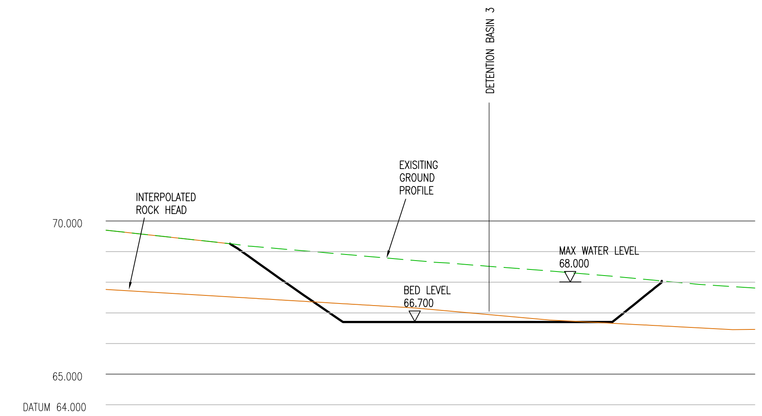
DIVERTED DITCH AND DETENTION BASINS LONGITUDINAL SECTION SECTION A–A

FOR CROSS SECTION LOCATIONS SEE DRAWING 1903/D/010



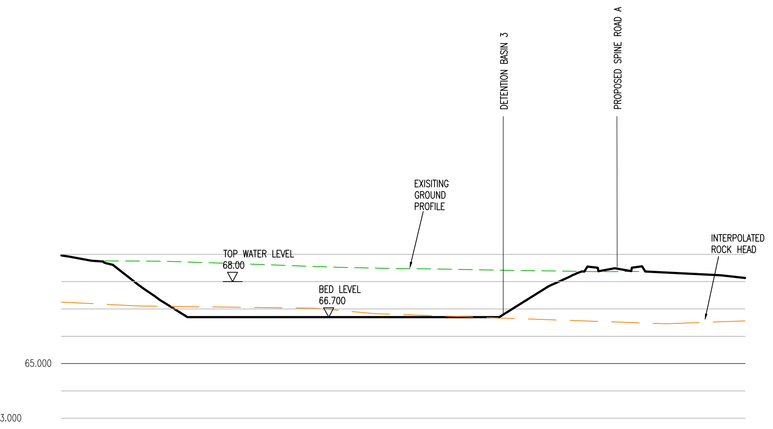
CHAINAGE	420.000	430.000	440.000	450.000	460.000	470.000	480.000	490.000	500.000	510.000	520.000	530.000	540.000	550.000	560.000	570.000	580.000	590.000	600.000	610.000	620.000	630.000	640.000	650.000	660.000	660.000
EXISTING LEVEL	67.285	67.175	67.064	66.963	66.859	66.707	66.503	66.309	66.225	66.151	66.072	66.004	65.995	65.969	65.980	65.836	65.726	65.636	65.558	65.467	65.402	65.399	66.101	66.101		
INTERPOLATED ROCK HEAD	66.009	66.075	66.142	66.080	65.980	65.880	65.754	65.645	65.624	65.539	65.653	65.687	65.626	65.508	65.215	64.690	64.166									

DIVERTED DITCH AND DETENTION BASINS LONGITUDINAL SECTION SECTION A–A



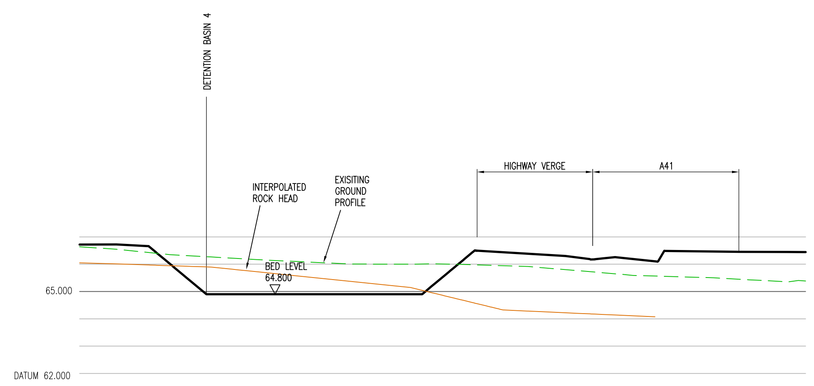
CHAINAGE	0.000	10.000	20.000	30.000	40.000	50.000	60.000	70.000	80.000	90.000	100.000	
EXISTING LEVEL	69.700	69.482	69.284	69.056	68.892	68.717	68.561	68.407	68.240	68.058	67.898	67.819
DETENTION BASIN 3				68.663 / 67.898	67.295 / 66.700	66.700 / 66.700	66.700 / 66.700	66.700 / 66.700	66.700 / 66.700	67.076 / 67.880	67.790 / 67.888	67.819
INTERPOLATED ROCK HEAD	67.765	67.645	67.525	67.425	67.285	67.165	66.990	66.811	66.688	66.583	66.478	66.460 / 66.482

DETENTION BASIN 3 SECTION B–B



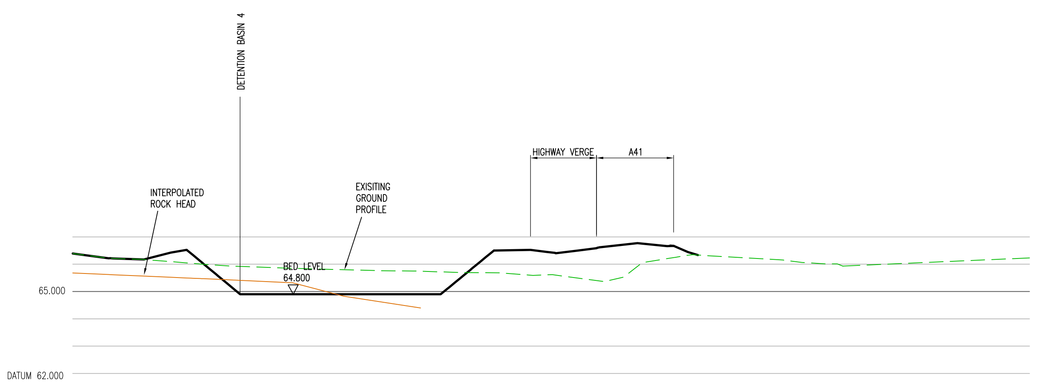
CHAINAGE	0.000	10.000	20.000	30.000	40.000	50.000	60.000	70.000	80.000	90.000	100.000	110.000	120.000
EXISTING LEVEL	68.842	68.756	68.728	68.673	68.603	68.535	68.488	68.459	68.422	68.390	68.367	68.341	68.239
DETENTION BASIN 3		68.786	67.795	66.700	66.700	66.700	66.700	66.700	66.700	67.506	68.334		
INTERPOLATED ROCK HEAD	68.878	67.150	67.083	67.068	67.044	66.962	66.859	66.746	66.671	66.602	66.533	66.463	66.533

DETENSION BASIN 3 SECTION C–C



CHAINAGE	0.000	10.000	20.000	30.000	40.000	50.000	60.000	70.000	80.000	90.000	100.000	110.000	120.000	130.000	132.000
EXISTING LEVEL	66.638	66.480	66.309	66.195	66.095	66.006	66.000	65.992	65.927	65.783	65.613	65.538	65.457	65.361	65.364
DETENTION BASIN 4		66.687 / 66.265	64.452 / 64.800	64.800 / 64.800	64.800 / 64.800	64.800 / 64.800	64.800 / 65.285	66.115 / 66.052							
INTERPOLATED ROCK HEAD	66.549	65.988	65.931	65.773	65.587	65.362	65.157	64.688	64.301	64.212	64.133				

DETENTION BASIN 4 SECTION D–D



CHAINAGE	0.000	10.000	20.000	30.000	40.000	50.000	60.000	70.000	80.000	90.000	100.000	110.000	120.000	130.000	140.000	150.000	160.000	170.000	
EXISTING LEVEL	66.398	66.193	66.060	65.972	65.861	65.795	65.725	65.701	65.654	65.558	65.485	66.241	66.209	66.155	66.008				
DETENTION BASIN 4			64.495	65.008	64.800	64.800	64.800	65.533	66.026										
INTERPOLATED ROCK HEAD	65.877	65.560	65.502	64.415	65.321	64.819	64.510												

DETENTION BASIN 4 SECTION E–E

REV	DATE	BY	DESCRIPTION	CHK	APD
E	18/02/10	RJJ	DRAINAGE UPDATED IN ACCORDANCE WITH O.C.C RECOMMENDATIONS	JM/JH	JM
D	23/11/09	DP	DRAINAGE UPDATED	JH/JE	JM
C	22/12/08	JH	FOR CLIENT APPROVAL	JH/JE	JM
B	23/01/08	DP	REVISED DITCH DESIGN	JH/JE	JM
A	13/11/07	ACK	FIRST ISSUE	JM	JM

DRAWING STATUS: FOR TECHNICAL APPROVAL

WSP
Mountbatten House, Basing View, Basingstoke, Hampshire RG21 4HJ
Tel: +44 (0)1256 318800 Fax: +44 (0)1256 318700
http://www.wspgroup.com

CLIENT: COUNTRYSIDE PROPERTIES

ARCHITECT:

PROJECT: SOUTH WEST BICESTER BICESTER, OXFORDSHIRE

TITLE: SOUTHERN BASINS/DITCHES CROSS SECTION

SCALE @ A0: 1:500H/1:100V	CHECKED: JM	APPROVED: JM
CAD FILE: 1903-D-016	DESIGN/DRAWN: ACK	DATE: January 08
PROJECT No: 11011903	DRAWING No: 1903/D/016	REV: E

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N:\Bicester New Town\DRAWINGS\AUTOCAD\D Drainage\1903-D-016.dwg 18/02/2010 18:55:32 Jewkes, Ryan