



	HIGHWAY PIPE SCHEDULE								
	REF.	LENGTH	FALL	GRADIENT	DIAMETER	U/S INVERT LEVEL	D/S INVERT LEVEL	U/S MANHOLE	D/S MANHOLE
	1.000	20.000m	0.130m	1:154	600Ø	133.400m	133.470m	HEADWALL No. 1	001
	1.001	24.890m	0.165m	1:151	600Ø	133.470m	133.305m	001	002
	1.002	15.000m	0.100m	1:150	600Ø	133.305m	133.205m	002	003
	1.003	18.000m	0.120m	1:150	600Ø	133.205m	133.085m	003	004
	1.004	21.500m	0.140m	1:154	600Ø	133.085m	132.945m	004	005
	1.005	15.000m	0.100m	1:150	600Ø	132.945m	132.845m	005	006
	1.006	19.000m	0.125m	1:152	600Ø	132.845m	132.720m	006	007
	1.007	15.000m	0.100m	1:150	600Ø	132.720m	132.620m	007	HEADWALL No. 2
2.000	15.000m	0.090m	1:167	600Ø	133.600m	133.510m	HEADWALL No. 3	008	
2.001	9.000m	0.050m	1:180	600Ø	133.510m	133.460m	008	009	
2.002	15.000m	0.090m	1:167	600Ø	133.460m	133.370m	009	010	
2.003	15.000m	0.085m	1:176	600Ø	133.370m	133.285m	010	011	
2.004	15.000m	0.085m	1:176	600Ø	133.285m	133.200m	011	012	
2.005	15.000m	0.090m	1:167	600Ø	133.200m	133.110m	012	013	
2.006	15.000m	0.085m	1:176	600Ø	133.110m	133.025m	013	014	
2.007	27.910m	0.165m	1:169	600Ø	133.025m	132.860m	014	015	
2.008	15.000m	0.100m	1:150	600Ø	132.860m	132.760m	015	HEADWALL No. 4	

LEGEND

-  DENOTES PROPOSED HW PIPE (TO BE ADOPTED)
-  DENOTES PROPOSED HW MANHOLE (TO BE ADOPTED)
-  DENOTES PROPOSED SW PIPE (TO REMAIN PRIVATE)
-  DENOTES PROPOSED SW MANHOLE (TO REMAIN PRIVATE)
-  DENOTES PROPOSED BEANY KERR (TO BE ADOPTED)
- DENOTES EXISTING WATERCOURSE
-  RG: DENOTES PROPOSED HW ROAD GULLY (TO BE ADOPTED)
-  RG: PROPOSED SW ROAD GULLY (TO REMAIN PRIVATE)
-  PROPOSED HW HEADWALL (TO BE ADOPTED)

GENERAL NOTES

1. ALL MATERIALS AND WORKMANSHIP IS TO COMPLY WITH JPC CONSULTANTS STANDARD SPECIFICATION & ALL RELEVANT BRITISH & EUROPEAN STANDARDS.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, M & E CONSULTANTS AND JPC CONSULTANTS DRAWINGS.
3. ANY DISCREPANCIES SHOULD BE REPORTED TO THE ENGINEER IMMEDIATELY SO THAT CLARIFICATION CAN BE SOUGHT PRIOR TO COMMENCEMENT OF WORKS.

SEWER AND DRAIN TESTING NOTES:

1. ALL SEWERS AND DRAINS CONSTRUCTED AS PART OF THE CONTRACT SHALL BE TESTED AFTER THEY ARE JOINED AND BEFORE ANY OTHER WORK OR BACKFILLING IS COMMENCED, OTHER THAN SUCH AS MAY BE NECESSARY FOR STRUCTURAL REPAIRS OR REINFORCEMENT.
2. TESTING SHALL BE IN ACCORDANCE WITH S&A AND IS 1610.
3. TESTING OF PIPES UP TO AND INCLUDING 750MM NOMINAL DIAMETER SHALL BE BY MEANS OF AN AIR OR WATER TEST. FOR DIAMETERS EXCEEDING 750MM, A 150MM DIAMETER VISUAL EXAMINATION SHALL BE CARRIED OUT.
4. A FURTHER TEST SHALL BE CARRIED OUT IF THE BACKFILLING IS COMPLETED.
5. ADDITIONAL TESTING MAYBE REQUIRED AS INSTRUCTED BY THE WATER COMPANY AND/OR HIGHWAYS INSPECTOR/REPRESENTATIVE.
6. AIR TESTS SHALL BE CARRIED OUT IN ACCORDANCE WITH S&A SECTION 3.7.5 AND IS 1610.
7. WATER TESTS SHALL BE CARRIED OUT IN ACCORDANCE WITH S&A SECTION 3.7.5 AND IS 1610.
8. VISUAL INSPECTIONS (CCV SURVEY) SHALL BE CARRIED OUT BY A QUALIFIED AND APPROVED CONTRACTOR, AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENT FOR SEWER CONDITION INSPECTIONS".

FOR DRAINAGE DETAILS PLEASE REFER TO: JPG DRAWING REF:
4652-2-JPG-XX-00-DR-D-1610

NOTE
NO PLASTIC DRAINAGE TO BE USED, NO GULLY LEADS TO BE LESS
THAN 1500.

NOTE
ALL IRONWORK TO BE MINIMUM CLASS D400 AND 150mm DEEP
FRAMES.

P10	UPDATED TO INCLUDE EXTENSION AND WELDING	15.12.20	RWR	
P09	UPDATED TO INCLUDE PROW LAYOUT	06.10.20	RWR	
P08	DRAINAGE LAYOUT UPDATED TO S11T	03/08/20	JAC	
P07	DRAINAGE LAYOUT UPDATED TO S11T	14/07/20	JAC	
P06	COVER UPDATES	20.05.20	RWR	
P05	50MMHG1 TO 50MMH10 UPDATE	15/03/20	JAC	
P04	UPDATED TO S11T B4MC COMMENTS, REVISIONS CLOUDED, NOTES ADDED	11.05.20	RWR	
P03	DRAINAGE RUN AMENDED			
P02	TOBARGE LAYOUT REVISED	12.02.20	USG	
P01	FIRST ISSUE	20.04.20	USG	
REV	DESCRIPTION	DATE	BY	

Project ROCKINGHAM 2&3 HOYLAND			
Drawing title SECTION 278 DRAINAGE LAYOUT			
TENDER ISSUE			
Architect THE HARRIS PARTNERSHIP			
 www.jpg.group Leeds London Birmingham 0113 263 1155			
JPG Project Ref 4652-2	Scate at AD 12/50	Date 27/02/20	Checked RB
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\$4			P10