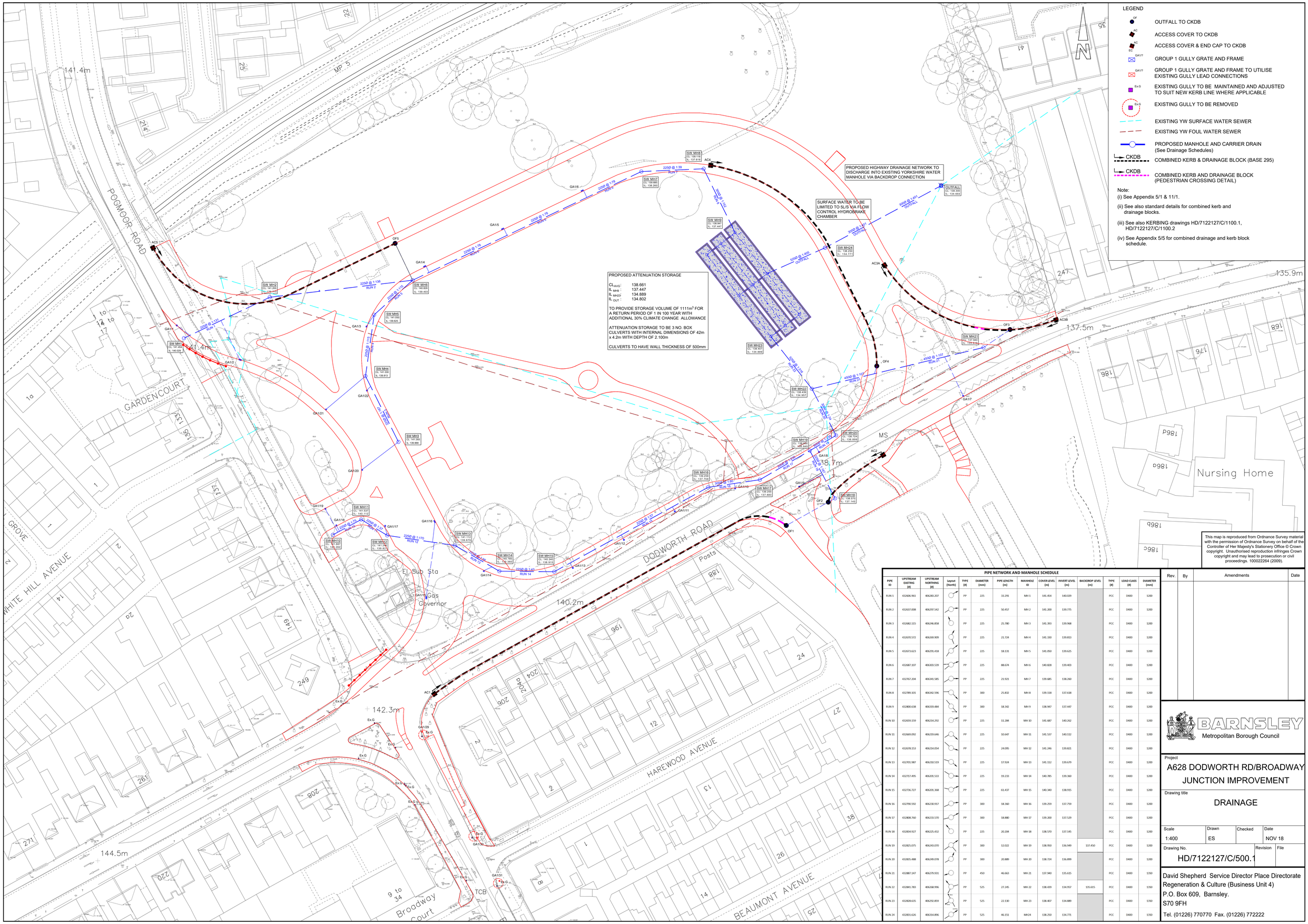


PROPOSED ATTENUATION STORAGE

CL_{AVG}: 138.661
IL_{MH9} : 137.447
IL_{MH23}: 134.889
IL_{OUT} : 134.802

TO PROVIDE STORAGE VOLUME OF 1111m³ FOR A RETURN PERIOD OF 1 IN 100 YEAR WITH ADDITIONAL 30% CLIMATE CHANGE ALLOWANCE

ATTENUATION STORAGE TO BE 3 NO. BOX CULVERTS WITH INTERNAL DIMENSIONS OF 42m x 4.2m WITH DEPTH OF 2.100m

CULVERTS TO HAVE WALL THICKNESS OF 500mm

PROPOSED HIGHWAY DRAINAGE NETWORK TO DISCHARGE INTO EXISTING YORKSHIRE WATER MANHOLE VIA BACKDROP CONNECTION

SURFACE WATER TO BE LIMITED TO 5L/S VIA FLOW CONTROL HYDROBRAKE CHAMBER

LEGEND

- OF — OUTFALL TO CKDB
- AC — ACCESS COVER TO CKDB
- AC / EC — ACCESS COVER & END CAP TO CKDB
- GA1/7 — GROUP 1 GULLY GRATE AND FRAME
- GA1/7 — GROUP 1 GULLY GRATE AND FRAME TO UTILISE EXISTING GULLY LEAD CONNECTIONS
- Ex.G — EXISTING GULLY TO BE MAINTAINED AND ADJUSTED TO SUIT NEW KERB LINE WHERE APPLICABLE
- Ex.G — EXISTING GULLY TO BE REMOVED
- EXISTING YW SURFACE WATER SEWER
- EXISTING YW FOUL WATER SEWER
- PROPOSED MANHOLE AND CARRIER DRAIN (See Drainage Schedules)
- CKDB — COMBINED KERB & DRAINAGE BLOCK (BASE 295)
- CKDB — COMBINED KERB AND DRAINAGE BLOCK (PEDESTRIAN CROSSING DETAIL)

Note:
(i) See Appendix 5/1 & 11/1.
(ii) See also standard details for combined kerb and drainage blocks.
(iii) See also KERBING drawings HD/7122127/C/1100.1, HD/7122127/C/1100.2
(iv) See Appendix 5/5 for combined drainage and kerb block schedule.

PIPE NETWORK AND MANHOLE SCHEDULE

PIPE ID	UPSTREAM EASTING (d)	UPSTREAM NORTHING (d)	Layout (North)	TYPE (d)	DIAMETER (mm)	PIPE LENGTH (m)	MANHOLE ID	COVER LEVEL (m)	INVERT LEVEL (m)	BACKDROP LEVEL (m)	TYPE (d)	LOAD CLASS (d)	DIAMETER (mm)
RUN 1	432606.961	406283.207		PP	225	33.295	MH 1	141.454	140.029		PCC	D400	1200
RUN 2	432637.008	406297.542		PP	225	50.457	MH 2	141.200	139.775		PCC	D400	1200
RUN 3	432682.115	406246.858		PP	225	25.780	MH 3	141.393	139.968		PCC	D400	1200
RUN 4	432670.572	406269.909		PP	225	21.724	MH 4	141.330	139.833		PCC	D400	1200
RUN 5	432673.623	406295.418		PP	225	18.131	MH 5	141.050	139.625		PCC	D400	1200
RUN 6	432687.107	406303.539		PP	225	88.674	MH 6	140.828	139.403		PCC	D400	1200
RUN 7	432767.204	406341.585		PP	225	21.925	MH 7	139.685	138.260		PCC	D400	1200
RUN 8	432789.101	406342.596		PP	300	25.832	MH 8	139.118	137.638		PCC	D400	1200
RUN 9	432800.638	406319.484		PP	300	18.342	MH 9	138.947	137.447		PCC	D400	1200
RUN 10	432659.159	406214.292		PP	225	11.284	MH 10	141.687	140.262		PCC	D400	1200
RUN 11	432669.092	406219.646		PP	225	10.647	MH 11	141.537	140.132		PCC	D400	1200
RUN 12	432678.153	406214.054		PP	225	24.095	MH 12	141.246	139.821		PCC	D400	1200
RUN 13	432701.987	406210.519		PP	225	17.924	MH 13	141.112	139.679		PCC	D400	1200
RUN 14	432717.495	406205.533		PP	225	19.233	MH 14	140.785	139.360		PCC	D400	1200
RUN 15	432736.727	406205.368		PP	225	61.437	MH 15	140.340	138.915		PCC	D400	1200
RUN 16	432790.592	406230.917		PP	300	18.360	MH 16	139.259	137.759		PCC	D400	1200
RUN 17	432808.760	406233.570		PP	300	18.880	MH 17	139.200	137.529		PCC	D400	1200
RUN 18	432834.927	406225.432		PP	225	20.204	MH 18	138.570	137.145		PCC	D400	1200
RUN 19	432825.075	406243.070		PP	300	12.022	MH 19	138.950	136.949	137.450	PCC	D400	1200
RUN 20	432835.488	406249.078		PP	300	20.889	MH 20	138.724	136.899		PCC	D400	1200
RUN 21	432887.147	406279.931		PP	450	46.663	MH 21	137.940	135.635		PCC	D400	1350
RUN 22	432841.783	406268.996		PP	525	27.245	MH 22	138.439	134.957	135.615	PCC	D400	1350
RUN 23	432828.635	406292.859		PP	525	22.130	MH 23	138.407	134.889		PCC	D400	1350
RUN 24	432811.626	406314.896		PP	525	46.151	MH24	138.250	134.771		PCC	D400	1350

Rev.	By	Amendments	Date

This map is reproduced from Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. 100022264 (2009).

BARNSLEY Metropolitan Borough Council

Project
A628 DODWORTH RD/BROADWAY JUNCTION IMPROVEMENT

Drawing title
DRAINAGE

Scale	Drawn	Checked	Date
1:400	ES		NOV 18

Drawing No. HD/7122127/C/500.1 | Revision | File

David Shepherd Service Director Place Directorate
Regeneration & Culture (Business Unit 4)
P.O. Box 609, Barnsley.
S70 9FH
Tel. (01226) 770770 Fax. (01226) 772222