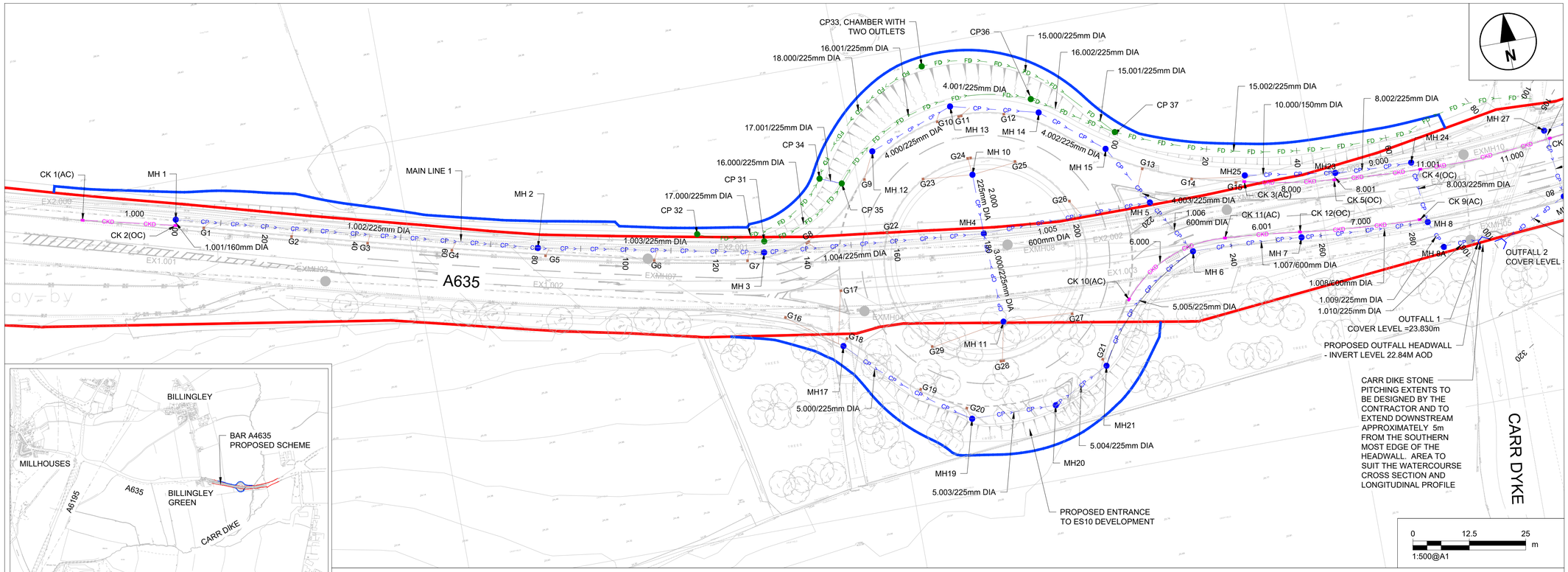
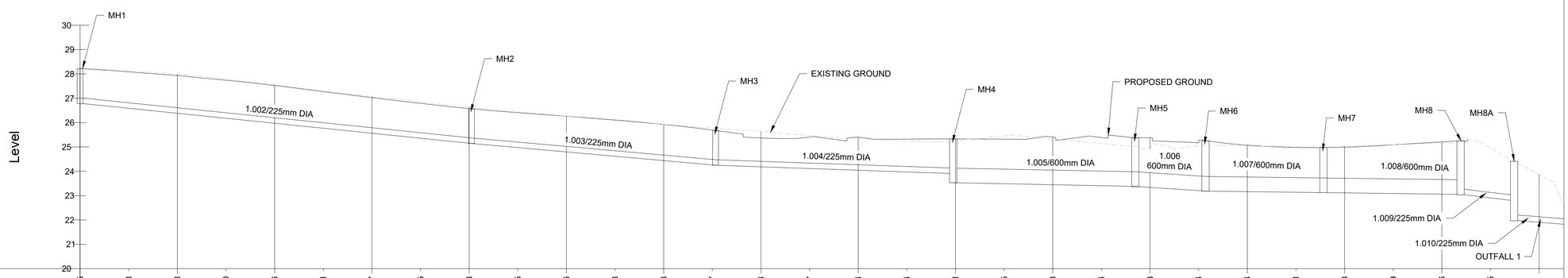
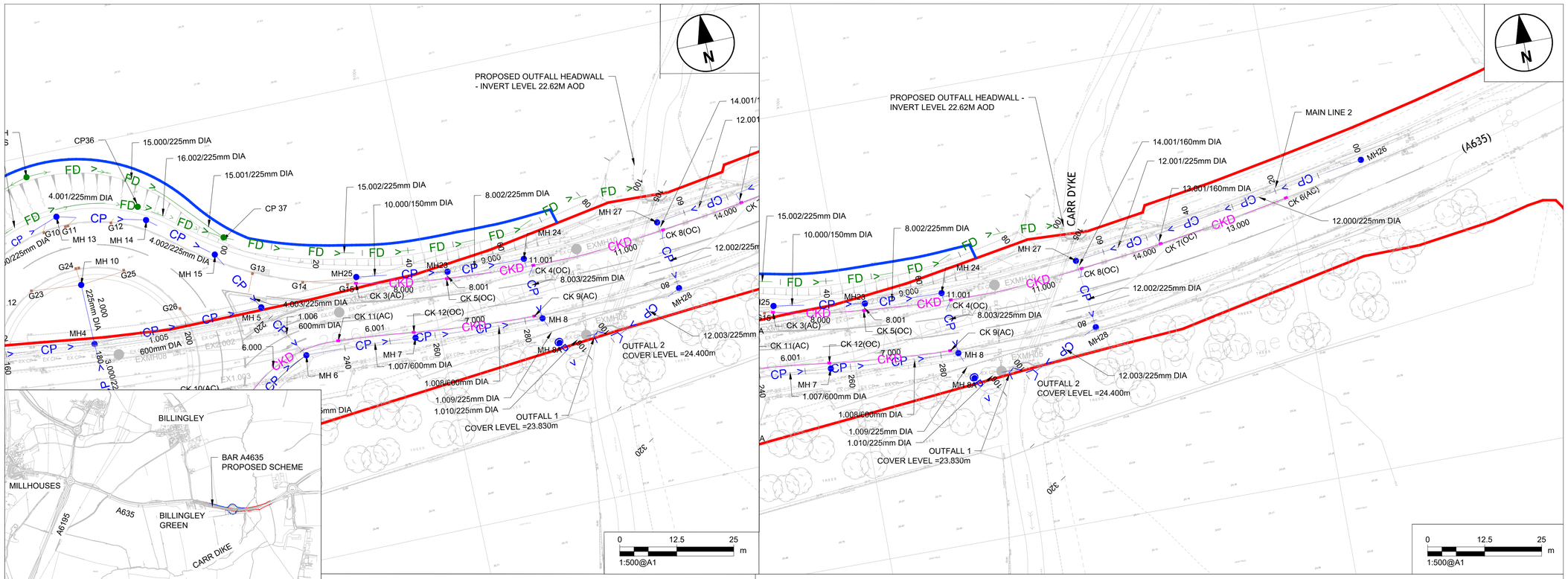
ISO A1 594mm x 841mm

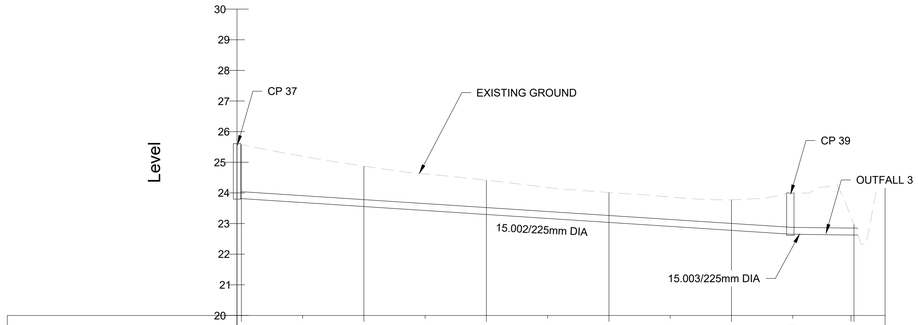




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ISO A1 594mm x 841mm

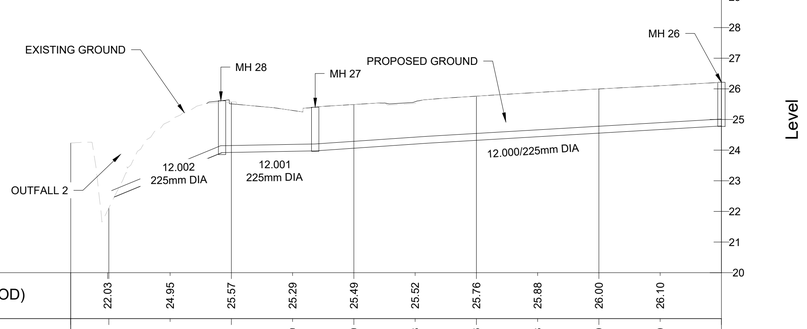




GROUND LEVEL (mAOD)	25.58	25.20	24.88	24.62	24.42	24.17	24.01	23.86	23.77	24.01	22.98
PROPOSED GROUND LEVEL (mAOD)											
INVERT LEVEL (mAOD)	23.82		23.56		23.30		23.04		22.78		22.62
DEPTH TO INVERT (m)	1.76	1.50	1.31	1.19	1.12	1.00	0.97	0.95	1.00	1.36	0.58
CHAINAGE (m)	0.00		20.00		40.00		60.00		80.00		100.00	105.08

SECTION FOR PIPE 15.002 TO OUTFALL 3

0 12.5 25 m
1:500@A1



GROUND LEVEL (mAOD)	22.03	24.95	25.57	25.29	25.49	25.52	25.76	25.88	26.00	26.10
PROPOSED GROUND LEVEL (mAOD)			25.51	25.29	25.49	25.58	25.76	25.88	26.00	26.10	26.21
INVERT LEVEL (mAOD)	22.47		23.92	23.92	23.97	23.99	24.06	24.22	24.23	24.32	24.55	24.78
DEPTH TO INVERT (m)		1.73	1.65	1.33	1.43	1.33	1.44	1.44	1.44	1.43	
CHAINAGE (m)	106.22	100.00	80.00	60.00	40.00	20.00	0.00

SECTION FOR PIPE 12.000 TO OUTFALL 2

0 12.5 25 m
1:500@A1

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION BOX

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EXCEPTIONAL RISKS RELATING TO THE WORKS ASSOCIATED WITH THIS DRAWING ARE IDENTIFIED BELOW.

CONSTRUCTION

THIS DRAWING IS TO BE READ WITH THE SAFETY IN DESIGN WORK BOOK, NO 60647775-ACM-HDG-HS-0001

REF 1 - POSSIBLE EXPOSURE TO ASEBESTOS IN EXISTING PIPES
REF 4 - POSSIBLE COLLAPSE OF EXISTING PIPES DURING AND AFTER CONSTRUCTION
REF 5- POSSIBLE TRANSMISSION OF LEPTOSPIROSIS DISEASE FROM THE CARR DIKE
REF 6 - UNKNOWN LOCATION OF SERVICES

NOTES

1. ALL DIMENSIONS IN METRES UNLESS OTHERWISE STATED
2. THE DRAWING IS TO BE READ IN CONJUNCTION WITH THE HIGHWAY DRAWINGS 3465-100-SK-002 TO 009 AND 3465-100-SK-100 LONGITUDINAL PROFILES. PRODUCED BY FORECONSULTING.
3. THE LOCATION OF THE EXISTING DRAINAGE CARRIER PIPE IS UNKNOWN AT PRESENT AND HAS BEEN ASSUMED BASED ON THE LOCATION OF THE EXISTING GULLIES IN THE ROAD.
4. EXISTING DRAINAGE PIPES SHOWN ON THE DRAWING ARE EXPECTED TO BE ABANDONED UNLESS STATED OTHERWISE.
5. FOR MANHOLE AND PIPE SCHEDULES REFER TO DOCUMENT 60647775-ACM-HDG-ZZ-SH-CD-0001 AND 0002 RESPECTIVELY.
6. ALL WORKS TO BE IN ACCORDANCE WITH THE SPECIFICATION FOR HIGHWAY WORKS . REFER TO SPECIFICATION DOCUMENT 60647775 -ACM-HDG-SP -0500 & 6047775-ACM-HDG-SP-0100 FOR DETAILS.
7. THIS DRAWING SHALL BE READ IN CONJUCTION WITH DRAINAGE STANDARD DRAWINGS 60647775 -ACM -HDG-DR-0005 AND 0006.

EX 1.000 — ASSUMED EXISTING DRAINAGE PIPE INCLUDING FLOW DIRECTION ARROW AND PIPE REFERENCE

G — PROPOSED GULLY WITH INDICATIVE OUTLET CONNECTION SHOWN

G — PROPOSED TWIN GULLY WITH INDICATIVE OUTLET CONNECTION SHOWN

EXISTING GULLY

EXISTING MANHOLE AND REFERENCE NUMBER EXMH01

1.000/150mm DIA — CP — PROPOSED DRAINAGE PIPE INCLUDING PIPE NUMBER AND CHAINAGE

PROPOSED MANHOLE AND REFERENCE NUMBER MH01

1.000/150mm DIA — FD — PROPOSED FILTER DRAIN INCLUDING PIPE REFERENCE, PIPE DIAMETER AND FLOW DIRECTION

PROPOSED FILTER DRAIN CHAMBER AND REFERENCE NUMBER MH01

PROPOSED HIGHWAY ADOPTION BOUNDARY

EXISTING PUBLIC HIGHWAY BOUNDARY

PROPOSED GULLY CONNECTION PIPE

CKD — PROPOSED COMBINED KERB DRAINAGE UNIT

CKD WITH INDICATIVE OUTLET CONNECTION SHOWN
CK XX(AC) - CKD ACCESS CHAMBER
CK XX(OC) - CKD OUTLET CHAMBER

I/R	DATE	DESCRIPTION	BY	CHK	APR
		xxxx			
P01	20/01/2021	DRAFT	RH	FM	PW

CLIENT:
BARNSLEY Metropolitan Borough Council

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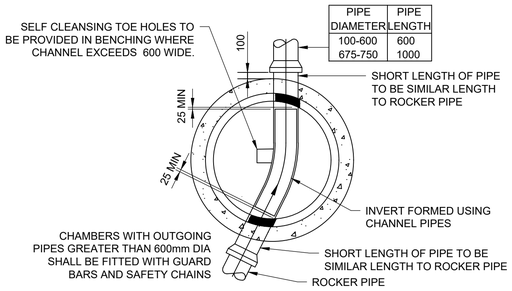
AECOM Infrastructure & Environment UK Limited
Registered in England Registered number: 880328
Registered office: Midpoint, Alencon Link,
Basingstoke, Hampshire RG21 7PP

ISSUE:	DRAWN:	DESIGNED:	CHECKED:	APPROVED:	DATE:
INITIAL STATUS OR WIP	RH	JD	FM	PW	15/12/2021

SCALE @A1	PROJECT TITLE:	DOCUMENT TITLE:	DOCUMENT NUMBER
AS SHOWN	MHA PSP3 BAR A4635 GOLDTHORPE ACCESS	PROPOSED DRAINAGE PLAN AND PROFILE SHEET 2 OF 2	PROJECT 60647775 - ACM - HDG - DR - 0003

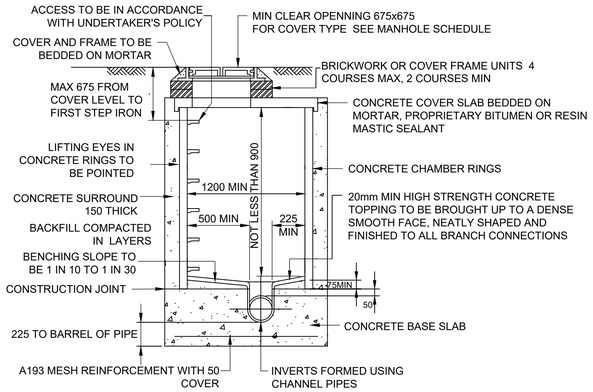
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ISO A1 594mm x 841mm



PIPE DIAMETER	PIPE LENGTH
100-600	600
675-750	1000

PLAN

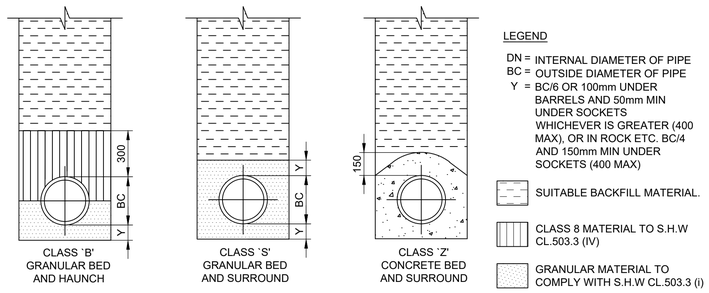


SECTION

PIPE DIAMETER (mm)	INTERNAL DIA OF MANHOLES TYPE A & B
LESS THAN 375	1200 (1050 WHEN SOFFIT = 1.35-1.5m)
375 - 450	1350
500 - 700	1500
750 - 900	1800
> 900	CONSULT UNDERTAKER

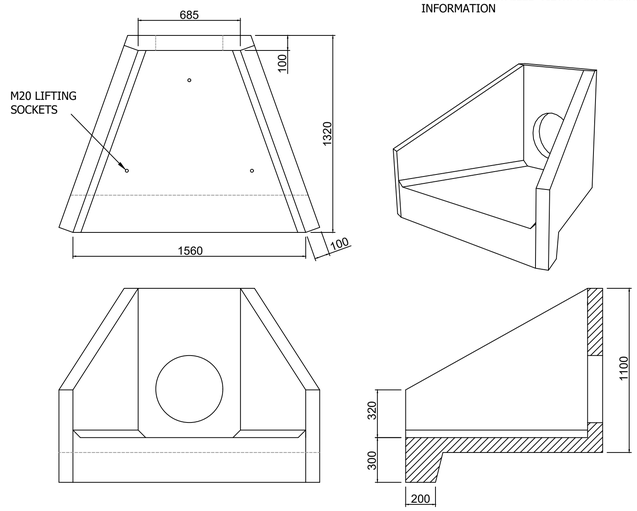
TYPICAL MANHOLE DETAIL TYPE A DEPTH TO SOFFIT UP TO 3.0 METRES

SCALE N.T.S

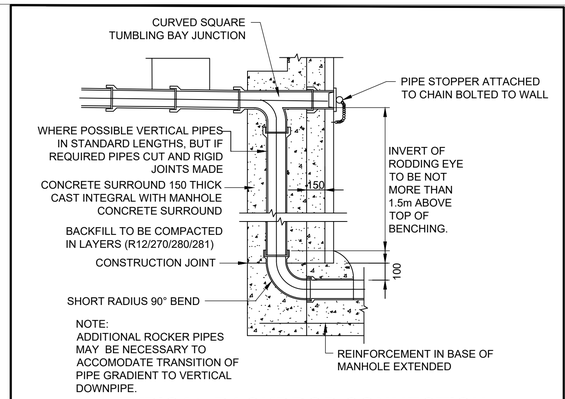


TYPICAL PIPE BEDDING DETAILS
SCALE 1:20

NOTE: ISOMETRIC DRAWING IS FOR REFERENCE ONLY, DETAILS MAY NOT ACCURATELY REPRESENT ACTUAL DESIGN -
PLEASE SEE DETAILED VIEWS FOR TECHNICAL INFORMATION



ALTHON TYPE H6CA HEADWALL OR SIMILAR APPROVED



TYPICAL BACKDROP CONNECTION TO MANHOLE

SCALE N.T.S

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION BOX

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CONSTRUCTION

NOTES

1. DIMENSIONS IN mm UNLESS OTHERWISE STATED

I/R	DATE	DESCRIPTION	BY	CHK	APR
P04	16/05/2022	HEADWALL DETAIL UPDATE	KC	FM	PW
P03	22/04/2022	UPDATE FOLLOWING BMBC COMMENTS	RH	FM	PW
P02	09/02/2022	DETAILED DESIGN	RH	FM	PW

CLIENT:
BARNSLEY Metropolitan Borough Council

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Registered in England Registered number: 880328
Registered office: Midpoint, Alencon Link, Basingstoke, Hampshire RG21 7PP

ISSUE:	DRAWN:	DESIGNED:	CHECKED:	APPROVED:	DATE:
INITIAL STATUS OR WIP	RH	AA	FM	PW	09/02/2022

SCALE @A1: AS SHOWN

PROJECT TITLE: MHA PSP3 BAR A4635 GOLDTHORPE ACCESS

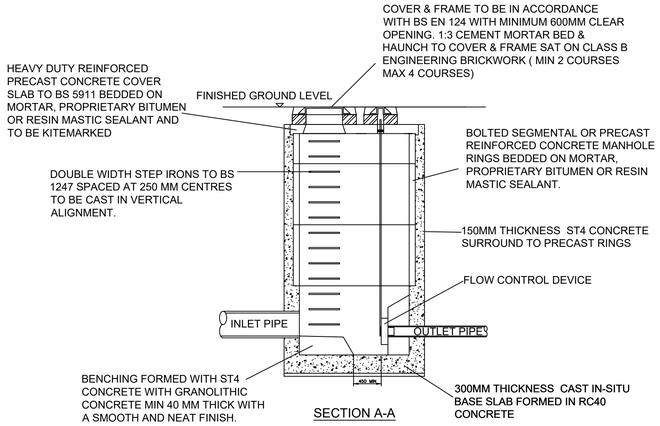
DOCUMENT TITLE: PROPOSED DRAINAGE STANDARD DETAILS SHEET 1 OF 5

DOCUMENT NUMBER

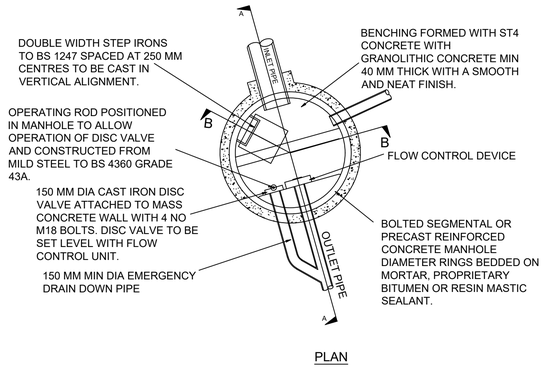
PROJECT: 60647775 - ACM - HDG - DR - 0005

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SECTION A-A



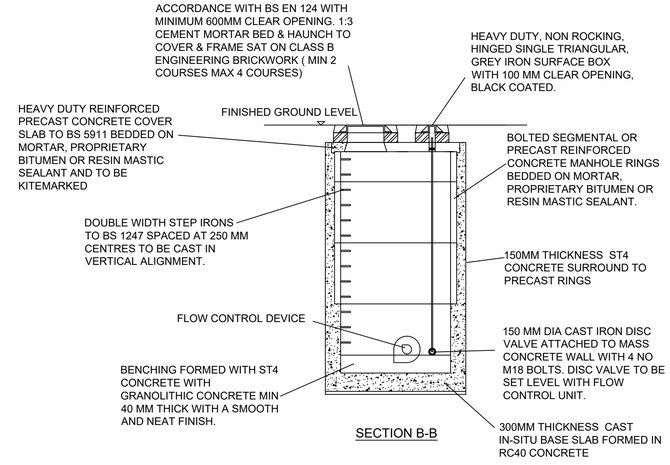
PLAN

NOTES

1. STANDARD DETAILS OF MANHOLES SHOWN ON HIGHWAY CONSTRUCTION DETAILS LISTED IN APPENDIX 04. IN THE EVENT OF ANY CONFLICT BETWEEN THE HIGHWAY CONSTRUCTION DETAILS AND THIS DRAWING, THE DETAILS SHOWN ON THIS DRAWING SHALL TAKE PRECEDENCE.

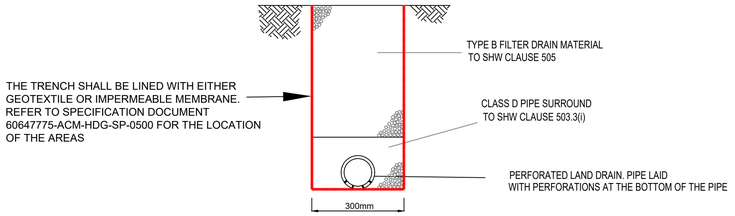
2. ALL IRONWORK TO BE HOT-DIPPED GALVANISED PRIOR TO FINAL FIXING.

3. THIS DRAWING IS BASED ON THE USE OF AN "S" TYPE "HYDROBRAKE". IF AN ALTERNATIVE DEVICE IS PROPOSED, THE CONTRACTOR SHALL SUBMIT MANHOLE DETAIL PROPOSALS FOR THE APPROVAL OF THE OVERSEEING ORGANISATION.

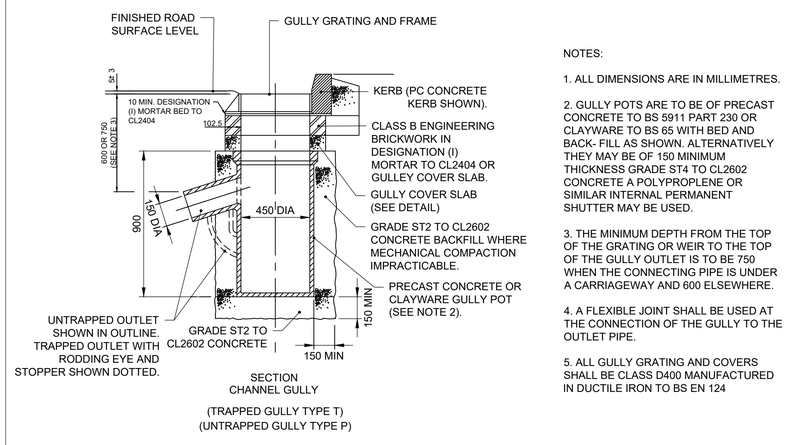


SECTION B-B

HYDROBRAKE (NOT TO SCALE)



LAND DRAIN DETAIL NTS



NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES.

2. GULLY POTS ARE TO BE OF PRECAST CONCRETE TO BS 5911 PART 230 OR CLAYWARE TO BS 65 WITH BED AND BACK- FILL AS SHOWN. ALTERNATIVELY THEY MAY BE OF 150 MINIMUM THICKNESS GRADE ST4 TO CL2602 CONCRETE A POLYPROPLENE OR SIMILAR INTERNAL PERMANENT SHUTTER MAY BE USED.

3. THE MINIMUM DEPTH FROM THE TOP OF THE GRATING OR WEIR TO THE TOP OF THE GULLY OUTLET IS TO BE 750 WHEN THE CONNECTING PIPE IS UNDER A CARRIAGEWAY AND 600 ELSEWHERE.

4. A FLEXIBLE JOINT SHALL BE USED AT THE CONNECTION OF THE GULLY TO THE OUTLET PIPE.

5. ALL GULLY GRATING AND COVERS SHALL BE CLASS D400 MANUFACTURED IN DUCTILE IRON TO BS EN 124

TYPICAL GULLY DETAILS (SCALE 1:20)

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I/R	DATE	DESCRIPTION	BY	CHK	APR
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P02	09/02/2022	DETAILED DESIGN	RH	FM	PW
P01	26/02/2021	DRAFT	RH	FM	PW

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ISSUE: INITIAL STATUS OR WIP
DRAWN: RH
DESIGNED: AA
CHECKED: FM
APPROVED: PW
DATE: 09/02/2022
SCALE @A1: AS SHOWN
PROJECT TITLE: MHA PSP3 BAR A4635 GOLDTHORPE ACCESS
DOCUMENT TITLE: PROPOSED DRAINAGE STANDARD DETAILS SHEET 2 OF 2
DOCUMENT NUMBER
PROJECT: 60647775 - ACM - HDG - DR - 0006
I VOLUME I TYPE I NUMBER