KINGSWAY A34

BLOCK 1 FFL 45.750
BLOCK 2 FFL 45.850
BLOCK 3 FFL 45.700
BLOCK 4 FFL 45.900
BLOCK 5 FFL 46.050
BLOCK 6 FFL 46.000
BLOCK 7 FFL 45.850
BLOCK 8 FFL 45.850
BLOCK 9 FFL 45.900
BLOCK 10 FFL 45.900
BLOCK 11 FFL 46.050
BLOCK 12 FFL 46.050
BLOCK 13 FFL 46.125
BLOCK 14 FFL 46.125
BLOCK 15 FFL 46.125
BLOCK 16 FFL 46.275
FFL 45.600
FFL 45.700
FFL 45.775

PSW14 CL: 45.544 IL: 44.254
SW02 1200Ø CL: 45.565 IL: 43.598
SW01 1200Ø CL: 45.694 IL: 43.620
ATTENUATION TANK 38 CL: 45.767 IL: 44.074
SWD03 CL: 45.606 IL: 44.617
SW03 1800Ø CL: 45.528 IL: 43.574
SWD02 CL: 45.631 IL: 44.998
PF71 CL: 45.717 IL: 44.440
PF26 CL: 45.679 IL: 44.651
SW04 3000Ø CL: 45.718 IL: 41.987
SWD05 CL: 45.925 IL: 44.336
PF32 CL: 45.918 IL: 44.842
SWD06 CL: 45.932 IL: 44.811
SW06 3000Ø CL: 45.939 IL: 41.981
SW05 3000Ø CL: 45.915 IL: 42.023
PSW41 CL: 46.088 IL: 45.098
SW07 3600Ø CL: 45.995 IL: 41.921
FW01 1350Ø CL: 45.556 IL: 44.193
FW02 1350Ø CL: 45.560 IL: 44.137
FW03 1200Ø CL: 45.957 IL: 43.841
FW04 1350Ø CL: 45.917 IL: 44.516
FW05 1200Ø CL: 45.889 IL: 43.796
SWD04 CL: 45.696 IL: 44.889
PF50 CL: 45.988 IL: 44.561
PF8 CL: 45.817 IL: 44.561
PS5 CL: 45.916 IL: 44.617
PS6 CL: 46.002 IL: 44.962
SW08 3000Ø CL: 45.845 IL: 41.866
SWD08 CL: 46.014 IL: 45.028
SWD09 CL: 45.933 IL: 44.727
SW09 3000Ø CL: 45.833 IL: 41.831
SW10 3000Ø CL: 46.007 IL: 41.796
SWD10 CL: 46.005 IL: 43.703
SWD11 CL: 46.089 IL: 43.615
PF69 CL: 46.028 IL: 44.741
FW06 1350Ø CL: 45.966 IL: 43.322
PF60 CL: 46.009 IL: 45.052
SWII (HYDROBRAKE OPTIMUM MD-SHE-0100-5000-1400-5000 SEE NOTE TO THE LEFT FOR FURTHER DETAILS) 3000Ø CL: 45.919 IL: 41.780
C02 (OUTFALL) 2100Ø CL: 45.970 IL: 38.369
C01 1500Ø CL: 45.969 IL: 41.722
UU Manhole Ref: 3800 (EXISTING) CL: 45.970 IL: 38.330
EXISTING GULLEY RELOCATED
EXISTING SERVICES
APPROXIMATE LINE OF EXISTING 600x900 COMBINED SEWER

1500Ø I/100 CLAY PIPE 18.932M I.006
1500Ø I/100 CLAY PIPE 17.403M I.003
225Ø I/100 CLAY PIPE 10.812M I.007
1500Ø I/400 CONCRETE PIPE 25.495M I.008
1500Ø I/400 CONCRETE PIPE 29.628M
1500Ø I/400 CONCRETE PIPE 23.854M II.004
1500Ø I/400 CONCRETE PIPE 16.732M II.003
1500Ø I/400 CONCRETE PIPE 21.977M I.002
1500Ø I/400 CONCRETE PIPE 14.349M I.001
1500Ø I/100 CLAY PIPE 47.650M
1500Ø I/100 CLAY PIPE 12.205M
1500Ø I/100 CLAY PIPE 6.745M I.004
1500Ø I/100 CLAY PIPE 7.104M I.005
1500Ø I/100 CLAY PIPE 5.880M I.005
1500Ø I/100 CLAY PIPE 16.003M
1500Ø I/150 23.003M
1500Ø I/150 24.003M
1500Ø I/150 26.003M
1500Ø I/150 27.003M
1500Ø I/150 25.003M
1500Ø I/150 21.002M

ROAD 1
ROAD 2

MANHOLES TO HAVE SKID RESISTANT COVERS:
- FW03
- FW04
- FW05
- FW06
- SW07
- SWII (HYDROBRAKE)
- C01

HYDROBRAKE SPECIFICATION (SWII):
HYDRO-BRAKE® OPTIMUM MD-SHE-0100-5000-1400-5000
FLOW RATE: 5L/s DESIGN HEAD: 1.4M ORIFICE: 100MM

DENOTES SURFACE WATER SEWER/ DRAIN
DENOTES SURFACE WATER MANHOLE/ DRAIN
DENOTES SURFACE WATER SEWER/ DRAIN
DENOTES SURFACE WATER MANHOLE/ DRAIN
DENOTES COMBINED SEWER / DRAIN
DENOTES COMBINED MANHOLE / DRAIN

CLIENT TO PROVIDE LEVELS AND OBTAIN THIRD PARTY APPROVALS (INCLUDING APPROVALS FROM THIRD PARTY LAND OWNERS) IN ORDER TO PROVE ADEQUACY OF SCHEME - UNTIL SUCH MEASURES ARE IN PLACE THE SCHEME IS INDICATIVE ONLY

SURFACE WATER NETWORK DESIGNED FOR NO FLOODING IN THE FOLLOWING CONDITIONS:
1:30 YEAR RETURN PERIOD STORMS IN ADOPTED SYSTEM
1:100 YEAR RETURN PERIOD STORMS + CLIMATE CHANGE IN PRIVATE SYSTEM
SURFACE WATER NETWORK DESIGNED FOR NO SURCHARGING IN THE 1:1 AND 1:2 YEAR RETURN PERIODS

ALL EXISTING & PROPOSED COVER LEVELS & INVERT LEVELS TO BE CONFIRMED PRIOR TO COMMENCING WORKS

ALL POSITIONS OF PROPOSED DRAINAGE & MANHOLES/RODDING EYES TO BE CONFIRMED AS ACCEPTABLE BY LANDSCAPE ARCHITECT PRIOR TO COMMENCING WORKS

ALL TEMPORARY WORKS FOR CONSTRUCTION OF DRAINAGE TO CONTRACTORS DESIGN AND DETAILS

THIS SCHEME IS TO BE CONSIDERED PRELIMINARY UNTIL SUCH TIME AS THE LOCAL COUNCIL (LLFA), ENVIRONMENT AGENCY, PLANNING DEPARTMENT AND THIRD PARTY LAND OWNERS GIVE TECHNICAL APPROVAL, AND THE CLIENT OR CONTRACTOR UNDERTAKES INVESTIGATION WORKS (E.G. CONFIRMATION OF LAND OWNERSHIP, SURVEY OF SERVICES AND CONNECTION POINTS) TO CONFIRM THE PROPOSED ROUTES OFFSITE ARE VIABLE. ANY WORKS, OR ORDERING OF MATERIALS, PRIOR TO APPROVALS FROM THE ABOVE MENTIONED BODIES IS DONE SO AT THE CONTRACTORS RISK IN ITS ENTIRETY. BMC WILL ACCEPT NO RESPONSIBILITY FOR ANY ABORTIVE WORKS / MATERIAL COSTS.

PRIVATE OFFLINE STORAGE STRUCTURES

① WAVIN AQUACELL CORE-R 0.8M DP
7.0x10.0x0.4M DEEP (70M² X 0.4M DP)
CL= 45.815
IL = 44.200
1.2M COVER FOR ROAD LOADING

② WAVIN AQUACELL CORE-R 0.8M DP
21.0x6.0x0.8M DEEP
CL= (SEE PLAN)
IL = (SEE PLAN)
1.2M COVER FOR ROAD LOADING.

1:30 YEAR MAXIMUM WATER LEVEL FOR PROPOSED ADOPTED SURFACE WATER SYSTEM = 43.158

PUBLIC OR PRIVATE UTILITY NOTES

THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES TO VERIFY LOCATION AND EXTENT OF THEIR APPARATUS AND HAVE IT MARKED OUT ON SITE PRIOR TO COMMENCING ON SITE. DETAILS AND COSTS TO BE PROVIDED BY CONTRACTOR. TRIAL HOLES SHALL BE UNDERTAKEN BY HAND TO LOCATE ANY BURIED APPARATUS IF EXCAVATION WORKS OR LEVEL REDUCTIONS ARE TO BE UNDERTAKEN IN THE GENERAL AREA.

CONTRACTORS OWN RISK ASSESSMENTS AND SAFE METHODS OF WORKING ADJACENT TO UTILITIES SHALL BE EMPLOYED AT EVERY STAGE OF THE WORK. NO RESPONSIBILITY AS TO THE ACCURACY OF THIS PLAN IS GIVEN BY BELL MUNRO CONSULTING LIMITED AND NO LIABILITY WHAT SO EVER IS ACCEPTED BY THE COMPANY FOR THE USE OF THE INFORMATION ON THIS PLAN. IT IS INTENDED FOR GENERAL REFERENCE ONLY.

CONTRACTOR SHALL UPDATE THIS PLAN UP WITH SITE INFORMATION WHEN APPARATUS CAN BE ACCURATELY LOCATED ON SITE AND RETURNED TO BELL MUNRO CONSULTING LIMITED FOR THE DRAWING TO BE UPDATED AND RE-ISSUED.

1:200
4m 0 4m 8m 12m 16m 20m

SI04 ADOPTED DRAINAGE LAYOUT
1:200 @ A1
1:400 @ A3

NOTES:

1. THIS DRAWING IS COPYRIGHT AND THE PROPERTY OF BELL MUNRO CONSULTING LTD. THE DRAWING MUST NOT BE REPRODUCED IN PART OR IN WHOLE WITHOUT PRIOR WRITTEN AUTHORITY.
2. THIS DRAWING MUST BE READ IN CONJUNCTION WITH THE RELEVANT BMC SPECIFICATIONS TOGETHER WITH THE APPROPRIATE ARCHITECTS AND SERVICES CONSULTANTS DRAWINGS AND SPECIFICATIONS.
3. READ IN CONJUNCTION WITH ALL DRAWINGS STARTING J8929/
4. MANHOLE COVERS TO BE IN ACCORDANCE WITH BS EN 124
5. CLAY PIPES TO BE FLEXIBLY JOINTED AND COMPLY WITH THE REQUIREMENTS OF BS EN 295. AS MESSRS HEPWORTH SUPERSLEEVE AND HEPSEAL
6. CONCRETE PIPES TO BE FLEXIBLY JOINTED AND COMPLY WITH THE REQUIREMENTS OF BS 5911.
7. WHERE COVER TO PIPES IS LESS THAN 1200 IN ROADS AND HARDSTANDINGS OR 900 MM ELSEWHERE, CONCRETE SURROUND IS TO BE PROVIDED IN ACCORDANCE WITH THE DETAIL.
8. UNTIL FINAL SERVICE IS PLACED, HEAVY TRAFFIC IS NOT TO BE ALLOWED OVER PIPE TRENCHES WITHOUT SPECIAL PRECAUTIONS.
9. PIPES AND FITTINGS ARE TO BE LAID IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
10. MANHOLE COVERS IN HIGHWAYS AND CAR PARKS TO BE LOAD CLASS D400 TO BS EN 124.
11. MANHOLE COVERS IN LANDSCAPED AND PAVED AREAS TO BE LOAD CLASS B125 BS EN 124.
12. MANHOLE COVERS IN PAVED AREAS TO BE RECESSED TO ACCEPT PAVING FINISH.
13. ACCESS COVERS FOR GULLIES IN KERBSIDES TO BE LOAD CLASS C250 BS EN 124.
14. ALL MANHOLES & PPICS IN HARD STANDINGS TO HAVE 150MM CONCRETE SURROUND
15. READ IN CONJUNCTION WITH PHASE 2 SITE INVESTIGATION REPORT

TECHNICAL APPROVAL GRANTED

REV	COMMENTS	DATE	BY
E	UPDATED TO SUIT CLIENT REQUESTS	03/07/26	CR
D	EXISTING MANHOLE REPLACED	27/05/26	CR
C	UPDATED TO SUIT LLFA COMMENTS	20/04/26	CR
B	UPDATED TO SUIT LLFA COMMENTS	16/04/26	CR
A	UPDATED TO LATEST SITE PLAN	27/02/26	CR
-	INITIAL ISSUE	23/12/25	CR

BMC

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CLIENT: VIEWS

PROJECT: BURNAGE CRICKET CLUB

TITLE: ADOPTED DRAINAGE LAYOUT

DRAWN BY:	CHECKED BY:	SCALE:	DATE:
CR	AM	AS SHOWN	12/25

DRAWING NUMBER: J8929 SI04-D01

REVISION: E