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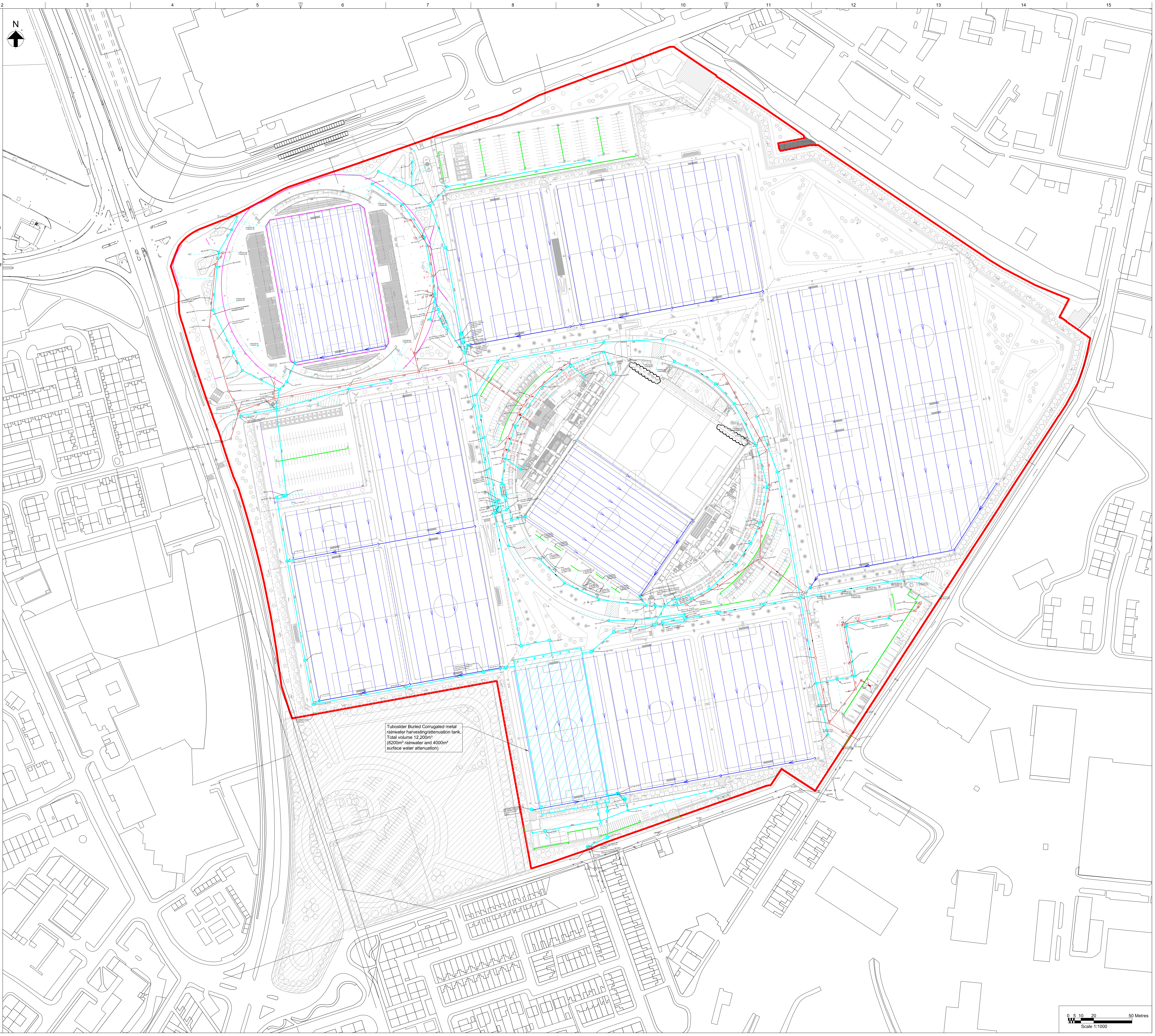
Notes

1. This drawing is copyright and is for use on this site only. This drawing should be read in conjunction with all relevant consultants drawings and specialist contractors/supply chain drawings and specifications. Contractor shall be responsible for the production of As-Built Information.
2. This drawing is based on the R.V.A. Site Background DR33 dated 4 July 2013 and ground levels from Planit.
3. Details of rainwater harvesting systems to be confirmed by Balfour Beatty.
4. This drawing is to be read in conjunction with the health and safety and hazard register.
5. Pitch drainage shown on this drawing is indicative only. Contractor should refer to Mallisons drawings for details.
6. All dimensions are in mm, all levels in mAOD unless specified otherwise.
7. All drainage works are to be in accordance with Sewers for Adoption 6th edition, The Building Regulations CESWI 7th Edition and the External Drainage Specification: MCFA-ARP-SP-502 unless specified otherwise.
8. This drawing is to be read in conjunction with drainage details drawings D407.01 to D407.05.
9. Oil separators will also require an alarm system to notify when oil storage reaches 90% capacity. Alarm System designed by Balfour Beatty.
10. Attenuation tank and inlet stubs are already constructed and are not to be included in these works.
11. Drainage infrastructure to be suitable for ground conditions and pitch fertilizers as specified in External Drainage Specification document: MCFA-ARP-SP-502 Appendix A.
12. Setting out of channel/kerb/gully drainage to be coordinated with kerb detail specified in Planit drawings.
13. PI manufacturer to be on EA approval suppliers list to meet PPG requirements.
14. Manhole shaft type B, as shown on drg. D407.01.
15. All channel drainage connections to be 150mmØ where sump unit is used. Connection slope min 1:100.
16. Gully and kerb drain connections to be minimum 150mmØ and minimum gradient of 1:150.
17. Pipe number denotes upstream manhole number.
18. Recessed manhole covers required in areas of surfacing including:-
    - In-situ concrete
    - Hot rolled asphalt
    - Coloured EPDM polyemeric

    As per landscaping drawing series L111.00.
19. Setting out data provided for ACO channels is for the channel centreline.
20. Levels on internal roads and immediate surroundings are generated from C161.40.A. Levels away from carriageway are generated from Planit drawings and surface from C050.20 _ Rev02

Key

▬	Site Boundary
─	Surface water drainage pipe
⊘	Surface water manhole
┄	Surface water gully and connection
▭	Slot drain such as ACO Qmax 225 channel or similar
▭	Trapped Channel drain such as ACO multidrain or similar
─	Trapped Kerb drain such as ACO kerb drain HB225 or similar
→	Surface water pitch drainage (see note 6)
▨	Surface water attenuation tank (see note 11)
▭	Surface water rainwater harvesting by others (see Note 3)
○┄	Rodding eye
PI	Petrol interceptor
○	Rain water pipe (RWP)
●	Rodding eye
─	Foul water drainage pipe
○	Foul water manhole
▭	Petrol interceptor
MH 23.005 F1 MH24	Manhole number
300Ø	Pipe diameter
UU-5803	Existing UU drainage (refer to site constraints drawing MCFA-ARP-SKH-CX-001for details)
● BD	Backdrop
LP	Low point of channel and slot drains
HP	High point of channel and slot drains
┄	Continued to Below Slab Drainage



Tubosider Buried Corrugated metal rainwater harvesting/attenuation tank. Total volume 12,200m³ (8200m³ rainwater and 4000m³ surface water attenuation)

0 5 10 20 50 Metres
Scale 1:1000

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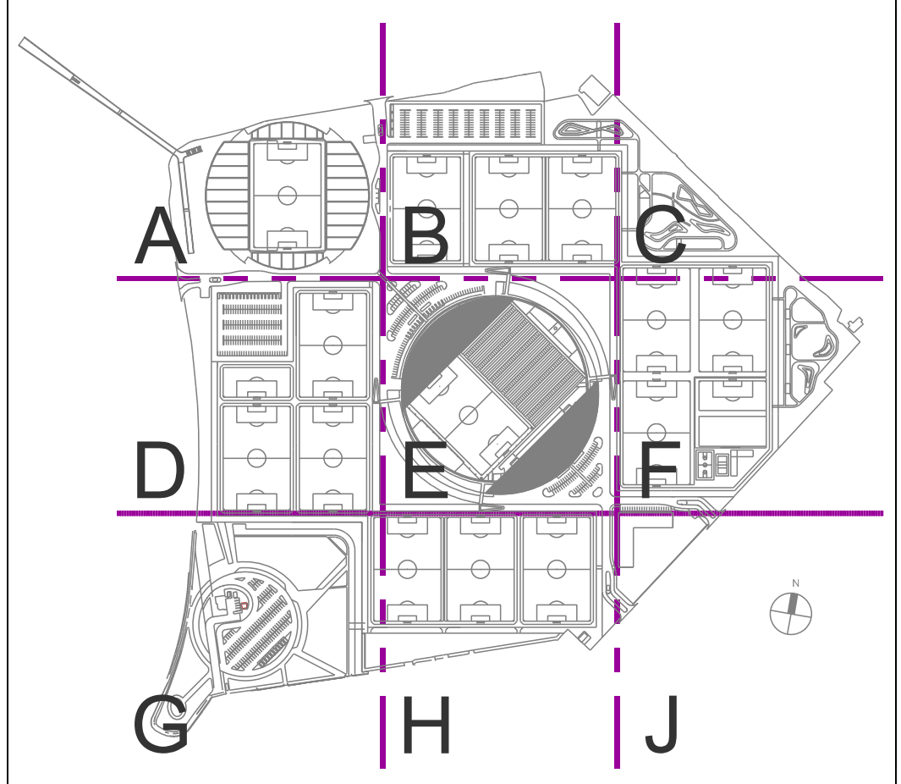
KEY PLAN:



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REV	DESCRIPTION	DATE	DRWN	APRV
13	Channel Drains Removed	31 ■ 03 ■ 14	AR	AR
12	Revised gullies locations at Zones A, E5 and E6	31 ■ 10 ■ 13	SW	AR
11	C7 Issue for Construction	03 ■ 09 ■ 13	SH	TS
10	C6 Issue for Construction	30 ■ 07 ■ 13	DG	TWS
09	C5 Issue for Construction Incorporating BAM comments	03 ■ 05 ■ 13	DM	TS
08	C4 Issue for Construction	18 ■ 04 ■ 13	DC	TS
07	C3 Issue for Construction Zones A, C, D G and H	28 ■ 01 ■ 13	DC	TS
06	C2 Issue for Construction	07 ■ 01 ■ 13	DC	TS
05	Work in Progress - for coordination	26 ■ 11 ■ 12	DM	TS
04	Work in Progress	15 ■ 11 ■ 12	DM	TS
03	C1 Issue for Pricing	26 ■ 10 ■ 12	DC	TWS
02	Flow Directions Added	01 ■ 10 ■ 12	DC	TS
01	First Issue	28 ■ 09 ■ 12	DC	TS

DRAWING ORIGINATOR:
ARUP

DRAWING TITLE:

Site Wide
Drainage Layout
Combined Foul and Surface Water

DATE: 30 ■ 07 ■ 13 | SCALE: 1:1000 | SIZE: A0

DRAWING NUMBER / FILE NAME:
D010.00

STAGE:
For Construction

REV:
13

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