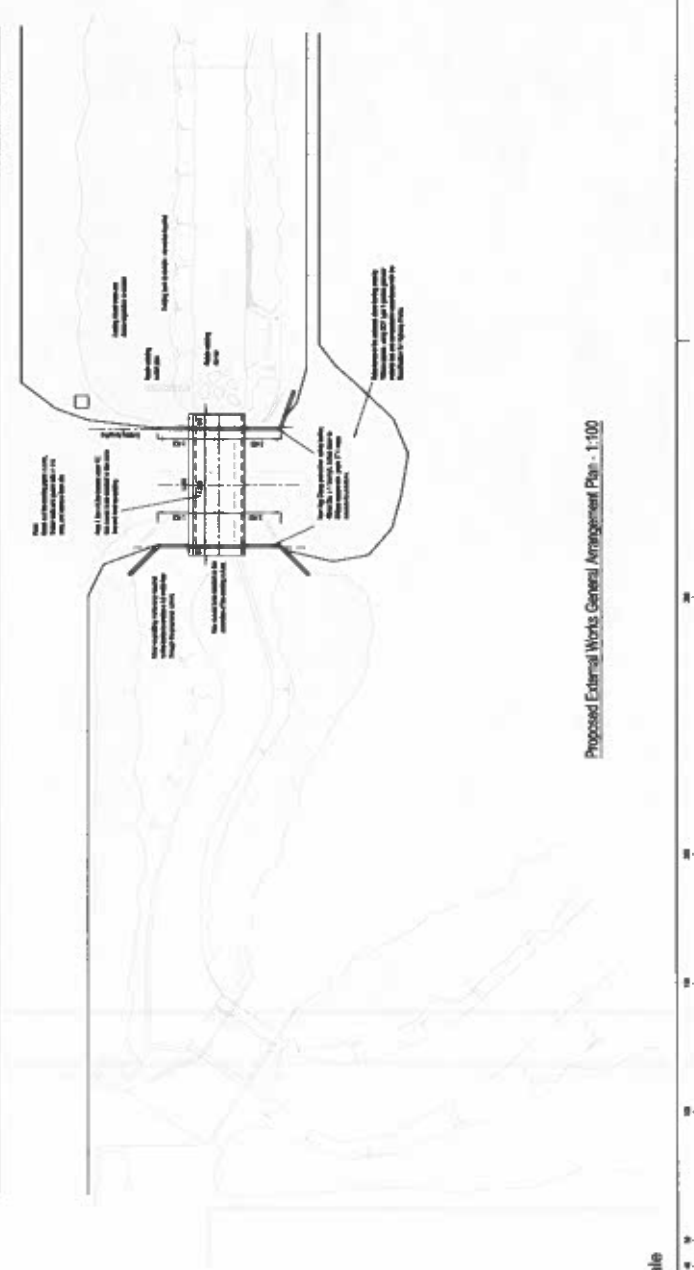
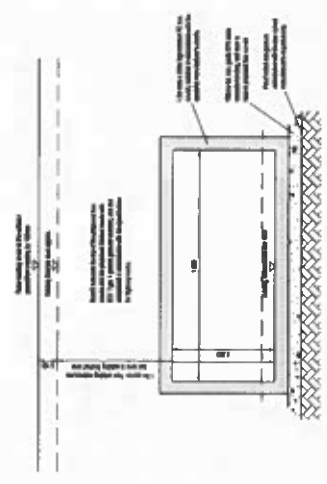


Existing External Works General Arrangement Plan - 1:100



Proposed External Works General Arrangement Plan - 1:100



Typical Detail Through Proposed Bar Culvert At The Vehicles / Pedestrian Crossing - 1:20

NOTES

The design is the responsibility of the Designer and shall not be implemented in any manner without the approval of the relevant authorities.
 The Designer shall ensure that the proposed design is suitable for the intended use and is consistent with the relevant standards and codes of practice.
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NO.	DATE	DESCRIPTION	BY	CHECKED BY
1	15/03/2024	PRELIMINARY	JM	AM
2	15/03/2024		JM	AM
3	15/03/2024		JM	AM
4	15/03/2024		JM	AM
5	15/03/2024		JM	AM

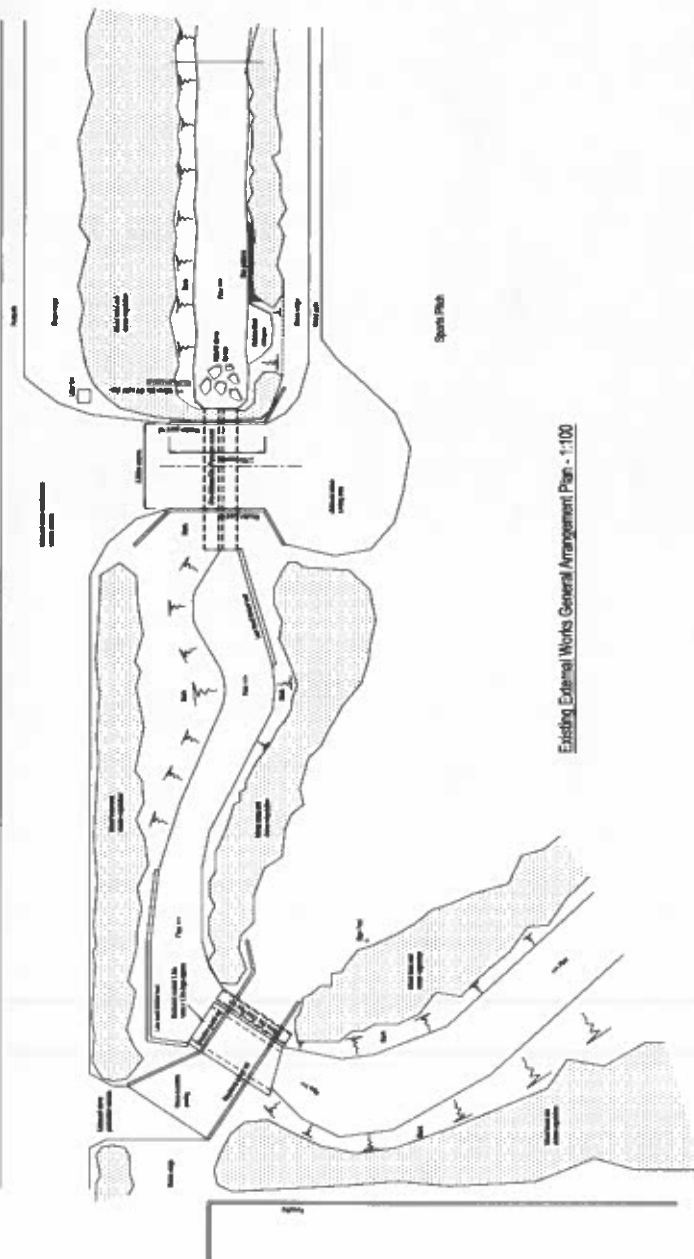
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Woodsdale Meadows Culvert, Braintree.

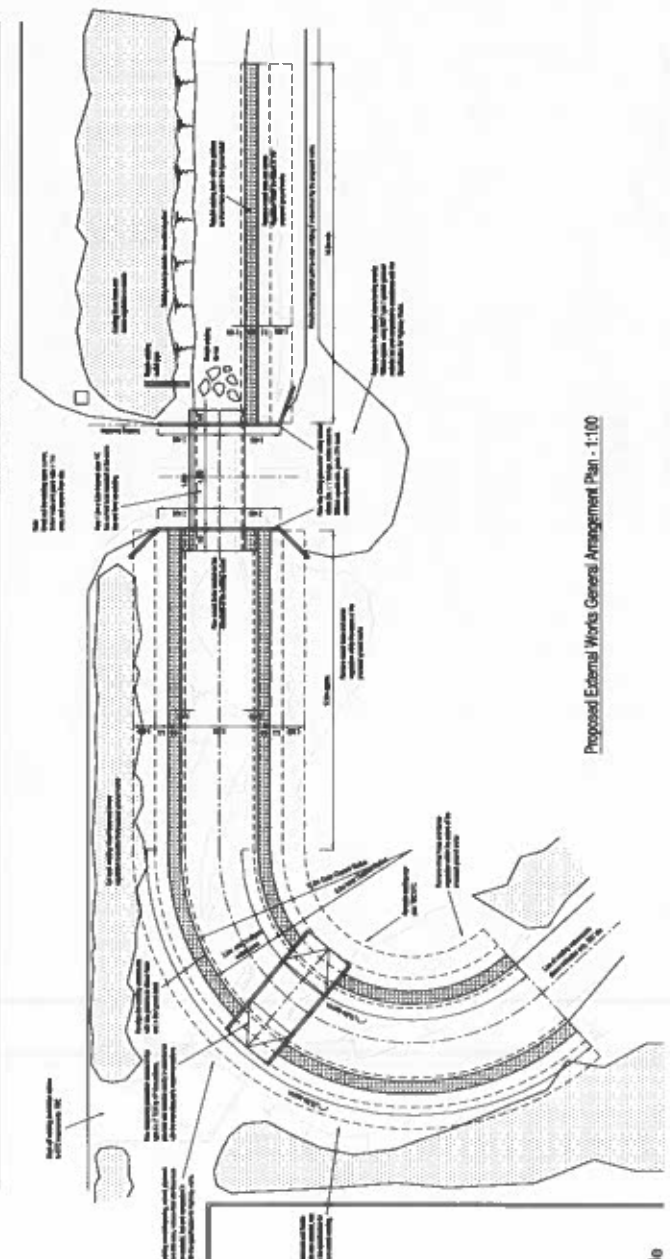
Existing & Proposed General Arrangement Plans

NO. H2911-CHG-ZD-00-DR-C-3000 P00

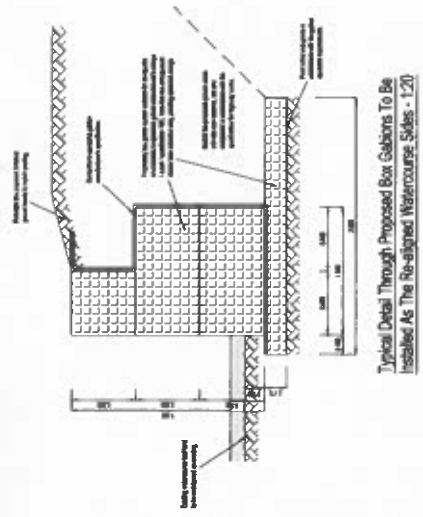
Do not scale



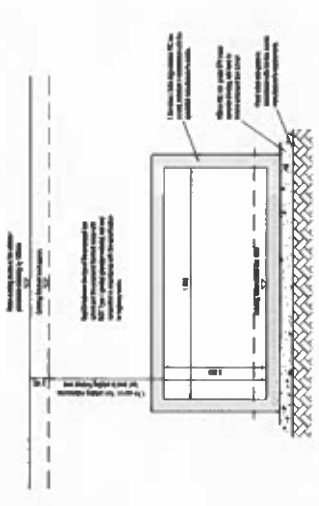
Existing External Works General Arrangement Plan - 1:100



Proposed External Works General Arrangement Plan - 1:100



Typical Detail Through Proposed Box Gullions To Be Installed As The Re-aligned Watercourse Sides - 1:20



Typical Detail Through Proposed Box Culvert At The Vehicle / Pedestrian Crossing - 1:20

NOTES

The accuracy of the layout of this document may be dependent on the availability of site information.

Dimensions shall be to the center line of the structure. The Contractor is advised that the work of taking out the dimensions shall be to their own risk.

The drawings shall be read and understood in conjunction with the contract documents.

The Contractor is to provide all necessary materials and labor for the completion of the works shown on the drawings. The Contractor is to provide all necessary materials and labor for the completion of the works shown on the drawings.

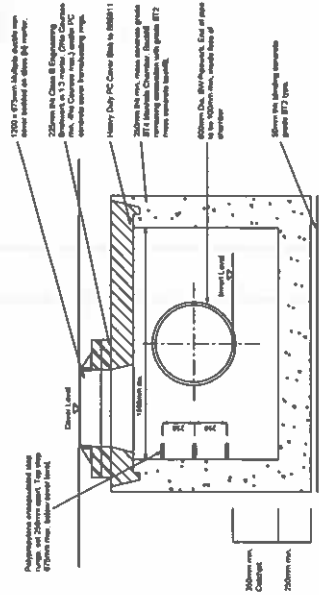
The Contractor shall provide all necessary materials and labor for the completion of the works shown on the drawings.

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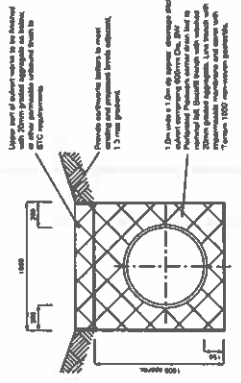
Mossdale Meadows Culvert, Braunstone

Existing & Proposed General Arrangement Plans

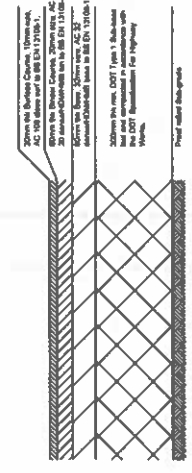
Scale	1:100	Sheet	A	of	10
Project Name	Mossdale Meadows Culvert, Braunstone				
Project Number	HZ01-CHG-20-00-DR-C-3000				
Revision	P02				



Typical Manhole Detail - 1:20



Drainage Ditch Reinstatement Detail - 1:20



Car Park Construction Detail

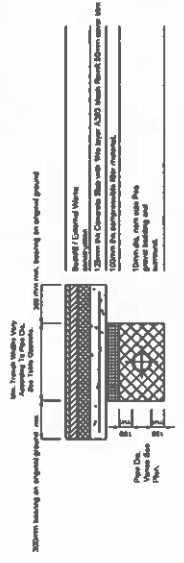
Note: This detail is to be used in conjunction with the Department of Transport's Specification for Highway Works. The above construction thicknesses are all subject to article CBR tests under consideration. A CBR value of 7% has been assumed. Minimum overall pavement construction thickness 450mm.

Cracking Layer and Sub-base Thicknesses mm	Sub-base Cbr (%)
Cracking + Sub-base	(mm)
2%	600 x 150
2.5%	400 x 150
3%	350 x 150
4%	300 x 150
5%	250 x 150
6%	225 x 150
10%	175 x 150
15%	150

Note: Min. Pavement Construction Thickness 450mm

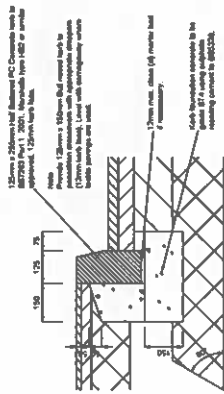
TRENCH WIDTHS	
Pipe Dia. (mm)	Min. Trench Width (mm)
100	300
150	350
200	400
250	450
300	500
350	550
400	600
450	650
500	700
550	750
600	800
650	850
700	900
750	950
800	1000
850	1050
900	1100
950	1150
1000	1200

Note: Minimum trench width shall be as shown in the table above. For trench widths greater than 1000mm, the trench width shall be as shown in the table above. For trench widths greater than 1000mm, the trench width shall be as shown in the table above.

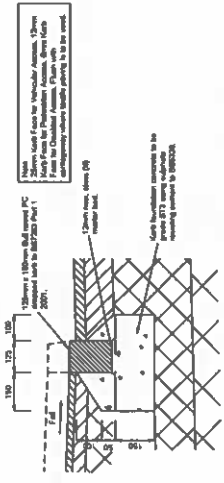


Protection For Pipes Laid At Shallow Depths

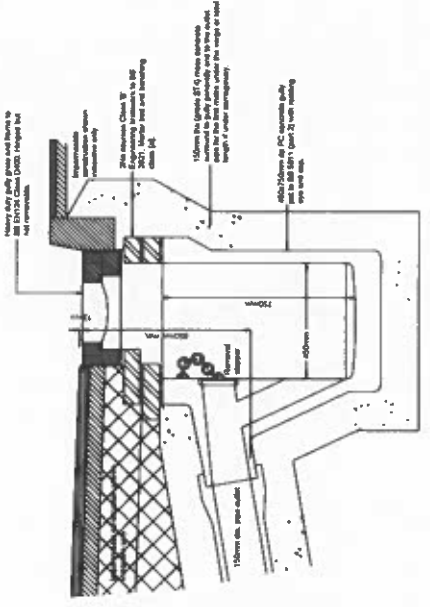
Note: FLEXIBLE PAVEMENT: CLAYWARE 100 - 600mm Dia. & CONCRETE 300 - 600mm Dia. Appropriate surface preparation has been taken 1200mm cover under flexible pipes or less than 600mm under non-flexible pipes. FLEXIBLE PAVEMENT: CLAYWARE 100 - 600mm Dia. & CONCRETE 300 - 600mm Dia. Appropriate surface preparation has been taken 1200mm cover under flexible pipes or less than 600mm under non-flexible pipes.



Typical Half Battered Kerb Detail - 1:10



Typical Dropped Kerb Detail - 1:10



Typical Road Gully Detail - 1:10

NOTES

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Scale	1:10
Revision	1
Drawn by	AL
Checked by	AL
Approved by	AL
Date	10/10/2010

Preliminary
 10/10/2010
 10/10/2010
 10/10/2010



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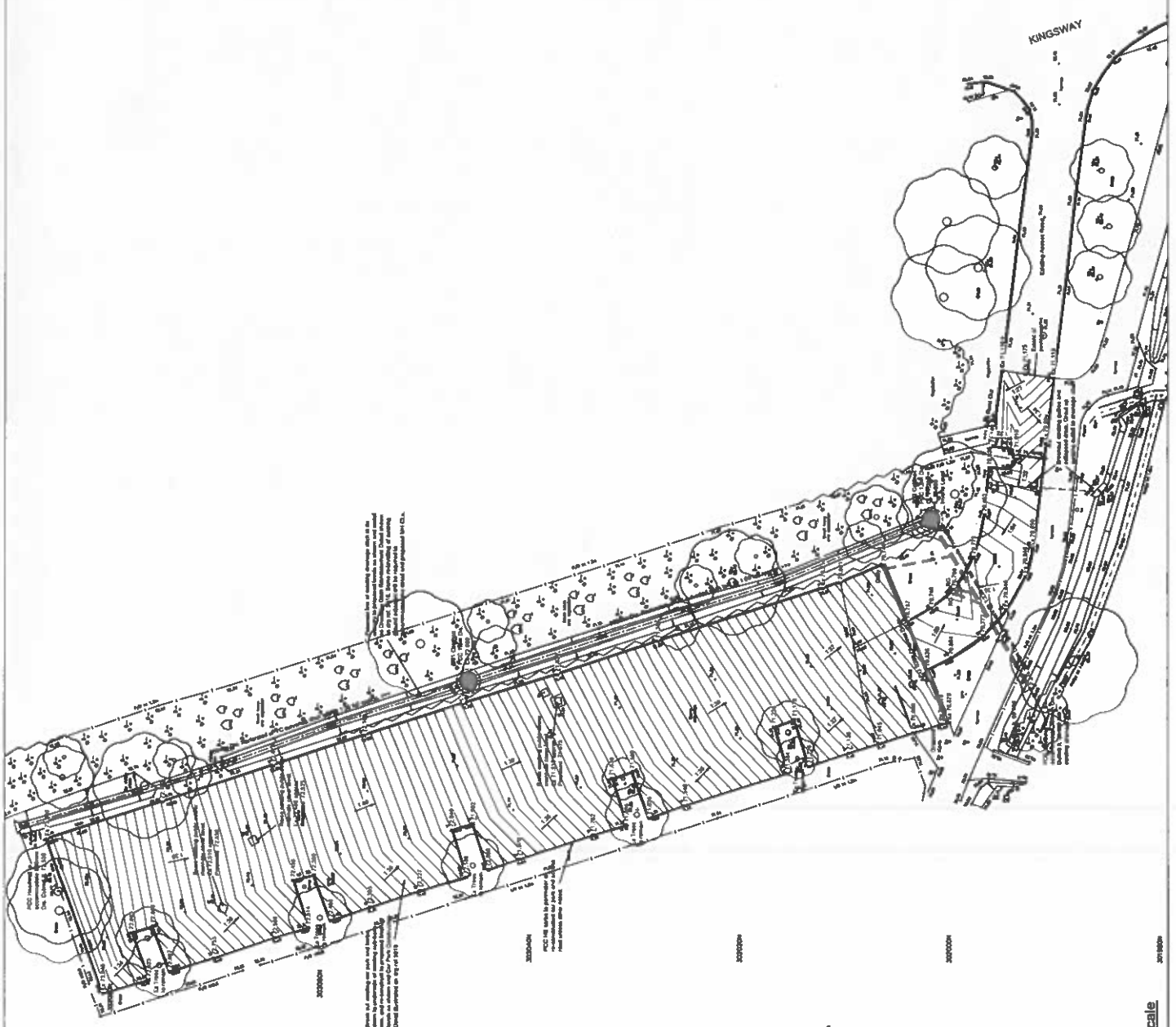
Project Name		Park Car Park Re-construction Kingsway, Braunstone	
Drawing No.		J522-CHG-20-00-DR-C-5010	
Scale		1:10	
Revision		1	
Date		10/10/2010	

NOTES


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 Dimensions must not be scaled from the drawing. The Contractor is to erect and verify all building and site dimensions before work is put in hand.
 The drawing must be read and checked against any Archival or other specialist drawings.
 The Contractor is to check and verify with all Statutory Authorities and the Employer the location and situation of any underground or overhead services or confirm their route and depth prior to work commencing on site.
 The Contractor must comply with all environmental regulations and working rules relating to safety, health and welfare of workers.

DRAINAGE NOTES:

1. ALL DISCREPANCIES NOTICED ON SITE TO BE REPORTED TO THE ENGINEER IMMEDIATELY.
2. All work is to be carried out in accordance with the current British Standards.
3. Codes of Practice and Building Regulations.
4. The Contractor shall be responsible for the design and construction of all drainage systems to be installed on site. Any alterations to be reported to the Engineer PRIOR TO COMMENCEMENT OF WORKS.
5. All drainage systems shall be installed in accordance with the relevant standards and specifications.
6. Concrete levels shown are approximate only. Subject to the final ground level.
7. All connections to existing drains and channels shall be 150mm nominal bore diameter with a maximum depth of 150mm. No pipe work to be installed in excess of 150mm diameter.
8. All drainage systems shall be 150mm dia. unless subject to other notes or stated otherwise.
9. All drainage systems shall be installed in accordance with BS 5338 unless otherwise stated.
10. All drainage systems shall be installed in accordance with BS 5338 unless otherwise stated.
11. High strength concrete bedding to be used throughout with pipe surface finish to be as per BS 5338.
12. All drainage systems shall be installed in accordance with BS 5338 unless otherwise stated.
13. Pipe joints to be approved to test dimensions of BS 5338.
14. All drainage systems shall be installed in accordance with BS 5338 unless otherwise stated.
15. First fixable joint to be approved to test dimensions of BS 5338 unless otherwise stated.
16. All drainage systems shall be installed in accordance with BS 5338 unless otherwise stated.
17. All drainage systems shall be installed in accordance with BS 5338 unless otherwise stated.
18. All drainage systems shall be installed in accordance with BS 5338 unless otherwise stated.
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22. All drainage systems shall be installed in accordance with BS 5338 unless otherwise stated.
23. All drainage systems shall be installed in accordance with BS 5338 unless otherwise stated.
24. All drainage systems shall be installed in accordance with BS 5338 unless otherwise stated.



Project Name		Preliminary	
Client	AL	Contract No.	J522
Scale	1:200	Sheet No.	P01


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Park Car Park Re-construction
 Kingsway, Braunstone

External Works Drainage GA Plan

