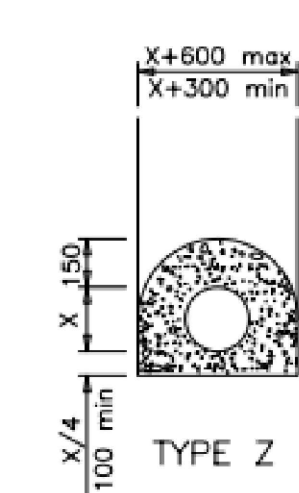
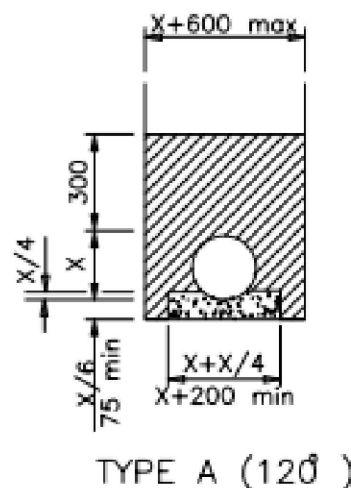


GENERAL NOTES

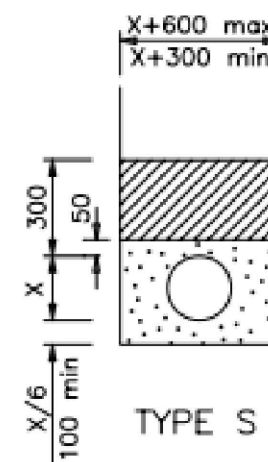
- DO NOT SCALE THIS DRAWING.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT'S, ENGINEER'S, SERVICES AND SPECIALIST DRAWINGS AND SPECIFICATIONS.
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
- ANY DISCREPANCIES IN DIMENSIONS OR DETAILS ON OR BETWEEN THESE DRAWINGS SHOULD BE DRAWN TO THE ATTENTION OF THE ARCHITECT AND/OR THE ENGINEER.
- ALL COVER AND INVERT LEVELS ARE SHOWN IN METRES AND PIPE DIAMETERS ARE IN MILLIMETRES.
- ALL COMPONENTS AND MATERIALS ARE TO BE MANUFACTURED AND SUPPLIED IN ACCORDANCE WITH THE RELEVANT BRITISH STANDARDS, AND LAID AND BACKFILLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND THE RELEVANT BRITISH STANDARDS.
- THE CONTRACTOR SHALL, BEFORE COMMENCING THE WORKS, VERIFY ALL SITE AND SETTING OUT DIMENSIONS, CONNECTION LEVELS WITH EXISTING DITCH AND DITCH CONDITION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TRUE AND PROPER SETTING OUT OF THE WORKS AND FOR THE CORRECTNESS OF THE POSITION, LEVELS, DIMENSIONS AND ALIGNMENT OF ALL PARTS OF THE WORKS.
- ALL ADOPTED PUBLIC SEWERS TO BE IN ACCORDANCE WITH SEWER FOR ADOPTION - 7TH EDITION - SPECIFICATION, AND LOCAL AUTHORITY SPECIFICATION.
- INSITU CONCRETE FOR USE IN GENERAL DRAINAGE WORKS, GRADE TO BS 5328.
- ALL PRECAST CONCRETE COMPONENTS SHALL BE IN ACCORDANCE WITH BS 5911 (p100 FOR PIPES / p200 FOR MANHOLES / p230 FOR ROAD GULLIES).
- SURFACE WATER PIPES WITHIN FILTER TRENCHES TO BE PERFORMED PLASTIC TO BS EN 13476.
- SURFACE WATER PIPES (OUTSIDE FILTER TRENCHES) GREATER THAN OR EQUAL TO 300mm DIAMETER ARE TO BE PRECAST CONCRETE TO BS EN 1916.
- SURFACE WATER PIPES (OUTSIDE FILTER TRENCHES) SMALLER THAN 300mm DIAMETER TO BE VITRIFIED CLAY TO BS EN 295.
- THE CONTRACTOR MUST ENSURE AND WILL BE HELD RESPONSIBLE FOR THE OVERALL STABILITY OF THE BUILDING/STRUCTURE/EXCAVATION AT ALL STAGES OF THE WORK.
- ALL WORK BY THE CONTRACTOR MUST BE CARRIED OUT IN SUCH A WAY THAT ALL REQUIREMENTS UNDER THE HEALTH AND SAFETY AT WORK ACT ARE SATISFIED.
- COORDINATION WITH OTHER UTILITIES BY OTHERS.



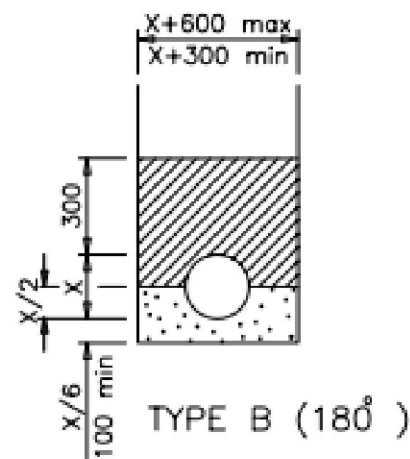
TYPE Z



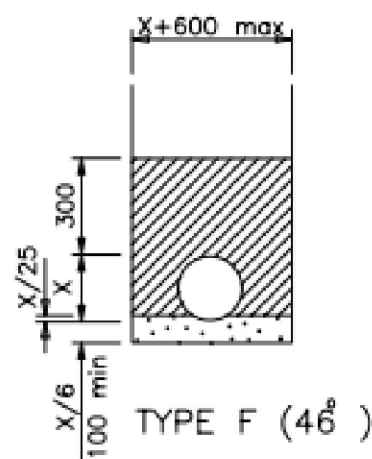
TYPE A (120°)



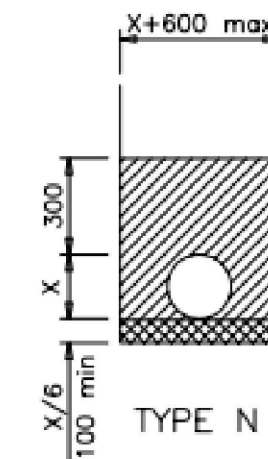
TYPE S



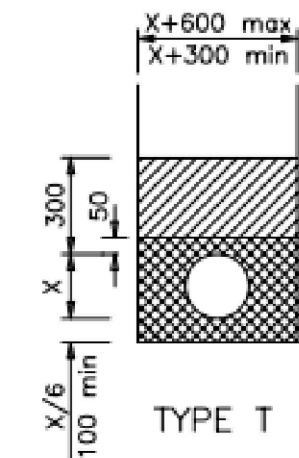
TYPE B (180°)



TYPE F (46°)







TYPE N



TYPE T

KEY

-  Granular material to S.H.W. Clause 503.3(i).
-  Concrete to S.H.W. Clause 503.3 (iii)
-  Material to S.H.W. Clause 503.3(ii). e.g. sand
-  Class 8 material to S.H.W. Clause 503.3(iv).


NOTES

- ALL DIMENSIONS ARE IN MILLIMETRES.
- This drawing is to be read in conjunction with Appendix 5/1
- Dimension X is the external diameter of the pipe.
- The minimum or maximum width of the trench applies on and below a line 300mm above the outside top of the pipe. Above the 300mm line the trench backfill material shall be as described in Clause 505 of SHW.
- The concrete bed or surround may extend to the sides of the trench or be of minimum width. Class 8 material is to be used to fill any voids so formed.
- For Type Z trench the concrete cover may be formed to a radius batter or horizontal surface. Min. cover of concrete shall be 150.

Rev	Date	Description	By
A01	11.06.21	FIRST ISSUE	KP

Project: **GRAVEN HILL, BICESTER**

Title: **A41 PIONEER ROUNDABOUT DRAINAGE STANDARD DETAILS SHEET 4**

Client: 
 Graven Hill Village Development Company Limited



5th Floor One Cornwall Street Birmingham B3 2DX
 1 0121 212 7700
 mail@watermangroup.com www.watermangroup.com

Drawing Status				
Designed by	Checked by	Date	Project No	Computer File No
KP	DP	MAR 2021	WIE11386	WIE11386-41-90-2608-2607-Drainage Standard
Scale	Zone	Category	Number	Revision
A1	A41	90	2608	A01

HIGHWAY CONSTRUCTION DETAILS

DRAINAGE

A	DEC 91
Issue	Date

SURFACE WATER DRAINS – TRENCH AND BEDDING DETAILS

Drawing No.

F1