Notes:

1. DO NOT SCALE FROM THIS DRAWING.
2. All dimensions are in millimetres Unless Noted Otherwise (u.n.o.)
3. Drawing is to be read in conjunction with all relevant architect's drawings. Any inconsistencies should be reported to PRP immediately.
4. All levels and dimensions are to be checked on site before any work commences.
5. For more information see PRP drawings:
   62284 - 100series - Drainage and External Works
   62284 - 200series - Foundations
   62284 - 300series - Superstructure
6. The Health and Safety at Work act is to be complied with at all times. Attention is drawn to the wearing of hard hats, safety boots, reflective clothing, and the use of any other required safety equipment.

Drainage:

1. The position, line, level and diameter of all existing drainage apparatus should be confirmed on site prior to the commencement of the works. Any discrepancies should be reported to PRP immediately.
2. The connection of foul and surface water drainage to the existing public sewer system shall be subject to the approval of the water authority
3. For positions of all rainwater pipes & foul outlets refer to Architect's drawings.
4. All drainage works shall be carried out in accordance with WRc "Sewers for Adoption - 7th edition"
5. All joints between precast manhole components shall have a minimum uncompressed thickness of 10mm of proprietary bitumen or resin mastic sealant.
6. Storm & foul branch connections are to be laid at gradients of between 1:10 & 1:80
7. All in-situ concrete shall be minimum grade GEN3.
8. Precast concrete cover & reducing slabs to be heavy duty reinforced concrete to BS 5911.
9. Manhole covers & frames shall be manufactured in cast iron or ductile iron & shall comply with requirements of BS EN 124 & shall be kite marked or equivalent.
10. All completed work shall be suitably protected from damage by construction work. Damaged drainage will not be accepted. It is recommended that no heavy loading or underground work is permitted above or near unprotected drainage, and that dumpers, trucks, fork lifts or other heavy vehicles are not driven along or near pipe runs.
11. Inspection chambers, soakaways and flow control units are to be installed strictly in accordance with manufacturer guidance and instructions

Drainage Legend:

- Existing Surface Water
- Existing Foul
- S — New Surface Water
- F — New Foul
- RE — Rodding Eye
- Gully
- ACO / Channel Drain
- Surface Water **porous pipe**

Rev	Date	Description	By / Chk
C1	22/02/2019	Issued for ConstructionPorous drainage run realigned design unchanged	GF /BMS
P10	01/08/2018	Orifice plates added	SPT/BMS
P9	24/07/2018	Exceedance flows shown, minor amendments	SPT/BMS

PRP:
consulting engineers & surveyors

Catherine House
Old Harborough
Bitteswell
NN6 9BX

Telephone: 01604 889 870
Facsimile: 01604 882 834
northampton@prp.uk.com
www.prp.uk.com

Leicester
Northampton
Bythorn

engineering excellence | creating advantage

Client: Marfleet Construction Ltd

Architect: AK Design Partnership

Project: Rochford Road, Southend-on-Sea

Title: Proposed Drainage Layout

Status: **CONSTRUCTION**

Engineer:	BMS	Date:	March 2018
Drawn:	GAJ	Scales @ A1:	1:150
Checked:	BMS		
Project No:	62284	Drg No: 101	Rev: C1