



Do not scale from drawings. Verify all dimensions on site prior to construction. This drawing is to be read in conjunction with all relevant documents and drawings. Report all discrepancies to MoJ immediately.

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**Residual Risk**  
 This symbol identifies a Residual Risk that is recorded on the Design Risk Register and is relevant to this drawing.  
 This drawing must be read in conjunction with the following project CDM documents:  
 664015-1275-PEV-FNC0011-XX-HS-C-0003\_Design Risk Assessment-Stage 3

**Derogation**  
 This symbol identifies a Derogation that is recorded on the Derogation Schedule and is relevant to this drawing.  
 This drawing must be read in conjunction with the following project Derogation documents:  
 N/A

The above symbols can only be read when this drawing is in colour print

**PRINT IN COLOUR**

- NOTES:**
- ALL DRAINAGE WORKS TO BE CONSTRUCTED TO DESIGN AND CONSTRUCTION GUIDANCE FOR FOUL AND SURFACE WATER SEWERS, BUILDING REGULATIONS PART H, MOJ TECHNICAL SPECIFICATION STD/X/SPEC/010 ISSUE 006 AND PICK EVERARD DRAINAGE SPECIFICATION.
  - ALL SEWERS AND DRAINS TO HAVE A CLASS Z BED AND SURROUND AT A DEPTH OF COVER TO PIPE SOFFIT OF LESS THAN 1.2m UNDER PAVED AREAS AND BUILDINGS AND 0.9m IN VERGE. IN ALL OTHER AREAS, ALL SEWERS AND DRAINS SHALL HAVE A CLASS S BED, UNLESS STATED OTHERWISE ON THE DRAWINGS.
  - ALL SEWERS TO BE BACKFILLED WITH TYPE 1 GRANULAR MATERIAL UNDER PAVED AREAS, ROADS AND HARDSTANDINGS OR AS-DUG MATERIAL IN VERGE AREAS.
  - MANHOLE COVERS AND FRAMES WITHIN VEHICULAR LOADED AREAS TO BE D400 RATED AND C250 IN ALL OTHER AREAS TO BS EN 124-1994. ALL COVERS TO BE DUCTILE IRON.
  - RWP LOCATIONS AND LATERALS ARE NOT SHOWN. TO BE CONFIRMED BY THE ARCHITECT AT DETAIL DESIGN STAGE.
  - DRAINAGE SYSTEM TO BE SUBJECT TO INSPECTION INTERIM AND FINAL TESTS IN ACCORDANCE WITH MOJ TECHNICAL SPECIFICATION STD/X/SPEC/010 ISSUE 6 AND BS EN 75
  - ALL PIPEWORK:
    - PVC WITH FLEXIBLE MECHANICAL JOINTS TO BS EN 235-1 AND BS 65 UP TO 600mm DIAMETER
    - OVER 600mm - CONCRETE TO BS EN 1916 AND 1911
    - BELOW CONCRETE FLOOR SLABS - CAST IRON TO BS 437 OR DUCTILE IRON TO BS 598
  - FLOW CONTROL MANHOLES TO BE LOCATED IN MANHOLES DCE-50041, 50300, 50301, 50122, 50124, AND 50125 (TO BE HYDRO-BRAKE OR SIMILAR APPROVED).
  - BY-PASS OIL SEPARATOR TO BE CLASS 1 INSB040 BY KLARGESTER OR SIMILAR APPROVED. FULL RETENTION TO BE CLASS 1 NSFA125 BY KLARGESTER OR SIMILAR APPROVED. BOTH WITH ALARMS REQUIRED.
  - DRAINAGE STRATEGY IS SUBJECT TO LEAD LOCAL FLOOD AUTHORITY (LLFA) APPROVAL AND MAY BE SUBJECT TO CHANGE.
  - PIPE DIAMETERS AND GRADIENTS TO BE CONFIRMED ONCE THE HYDRAULIC MODELLING IS CARRIED OUT AND DISCHARGE RATE APPROVED BY LLFA.
  - ATTENUATION VOLUME ESTIMATE HAS BEEN CARRIED OUT IN SOURCE CONTROL AND IS AS FOLLOWS:
    - ATTENUATION VOLUME FOR 1-100 YEAR STORM (PLUS 30% CC) 104.8m³ IN THE CAR PARK AND 392m³ WITHIN THE MAIN SITE.
    - BELOW GROUND ATTENUATION TANKS TO BE POLYSTORM DEEP BY POLYPIPE OR SIMILAR APPROVED.
  - REFER TO 664015-1275-FNC001-ZZ-RP-C-0503-PROPOSED SURFACE WATER STRATEGY REPORT FOR FURTHER DETAILS.

- KEY:**
- PROPOSED SURFACE WATER SEWER.
  - PROPOSED CHANNEL DRAIN.
  - PROPOSED FILTER DRAIN.
  - PROPOSED RISING MAIN.
  - MoJ PROPERTY LINE.
  - - SW INSPECTION CHAMBER.
  - ⊙ - SW ACCESS CHAMBER (MANHOLE).
  - - GULLY.
  - - CHANNEL DRAIN SUMP BOX.

**KEY PLAN**  
SCALE 1:5000

SW DRAINAGE SHEET 01 664015-1275-PEV-FNC0011-ZZ-DR-C-0501	SW DRAINAGE SHEET 02 664015-1275-PEV-FNC0011-ZZ-DR-C-0502
FW DRAINAGE SHEET 01 664015-1275-PEV-FNC0011-ZZ-DR-C-0551	FW DRAINAGE SHEET 02 664015-1275-PEV-FNC0011-ZZ-DR-C-0552
SW DRAINAGE SHEET 03 664015-1275-PEV-FNC0011-ZZ-DR-C-0503	SW DRAINAGE SHEET 04 664015-1275-PEV-FNC0011-ZZ-DR-C-0504
FW DRAINAGE SHEET 03 664015-1275-PEV-FNC0011-ZZ-DR-C-0553	FW DRAINAGE SHEET 04 664015-1275-PEV-FNC0011-ZZ-DR-C-0554
SW DRAINAGE SHEET 05 664015-1275-PEV-FNC0011-ZZ-DR-C-0505	SW DRAINAGE SHEET 06 664015-1275-PEV-FNC0011-ZZ-DR-C-0506
FW DRAINAGE SHEET 05 664015-1275-PEV-FNC0011-ZZ-DR-C-0555	FW DRAINAGE SHEET 06 664015-1275-PEV-FNC0011-ZZ-DR-C-0556
SW DRAINAGE SHEET 07 664015-1275-PEV-FNC0011-ZZ-DR-C-0507	SW DRAINAGE SHEET 08 664015-1275-PEV-FNC0011-ZZ-DR-C-0508
FW DRAINAGE SHEET 07 664015-1275-PEV-FNC0011-ZZ-DR-C-0557	FW DRAINAGE SHEET 08 664015-1275-PEV-FNC0011-ZZ-DR-C-0558
SW DRAINAGE SHEET 09 664015-1275-PEV-FNC0011-ZZ-DR-C-0509	SW DRAINAGE SHEET 10 664015-1275-PEV-FNC0011-ZZ-DR-C-0510
FW DRAINAGE SHEET 09 664015-1275-PEV-FNC0011-ZZ-DR-C-0559	FW DRAINAGE SHEET 10 664015-1275-PEV-FNC0011-ZZ-DR-C-0560
SW DRAINAGE SHEET 11 664015-1275-PEV-FNC0011-ZZ-DR-C-0511	SW DRAINAGE SHEET 12 664015-1275-PEV-FNC0011-ZZ-DR-C-0512
FW DRAINAGE SHEET 11 664015-1275-PEV-FNC0011-ZZ-DR-C-0561	FW DRAINAGE SHEET 12 664015-1275-PEV-FNC0011-ZZ-DR-C-0562

REFER TO DRAWING NO.:  
664015-1275-PEV-FNC0011-ZZ-DR-C-0510

REFER TO DRAWING NO.:  
664015-1275-PEV-FNC0011-ZZ-DR-C-0509

REFER TO DRAWING NO.:  
664015-1275-PEV-FNC0011-ZZ-DR-C-0512

P02	2021.06.02	Site Plan updated
P01	2021.03.16	FIRST ISSUE FOR RIBA STAGE 3 APPROVAL
Rev	Date	Description

**Project Status**  
RIBA Stage 3

**Client**  
Ministry of Justice

**Project**  
New Prisons Programme

Ministry of Justice, 102 Petty France, London, SW1H 9AJ

**Project Description / Site**  
New Prisons Programme  
Full Sutton 2

**Project Address**  
Land at Moor Lane  
Full Sutton  
York, YO41 1PS

**Building Type**  
Site Infrastructure

**Drawing Title**  
Proposed Surface Water Drainage-Sheet 08

<b>Originator Logo</b> PICK EVERARD	Drawn By	VSP	Date	16.03.21
	Checked By	PCA	Date	16.03.21
	Approved By	PCA	Date	16.03.21

**Drawing Number**  
664015-1275-PEV-FNC0011-ZZ-DR-C-0508

**Delref**  
D0100

<b>Sheet No.</b> 08 of 11	<b>Scale</b> 1:250; 1:5000	<b>Orig. Sheet Size</b> @ A1	<b>Rev.</b> P02
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**Data Security Classification**  
OFFICIAL

**Suitability**  
S3