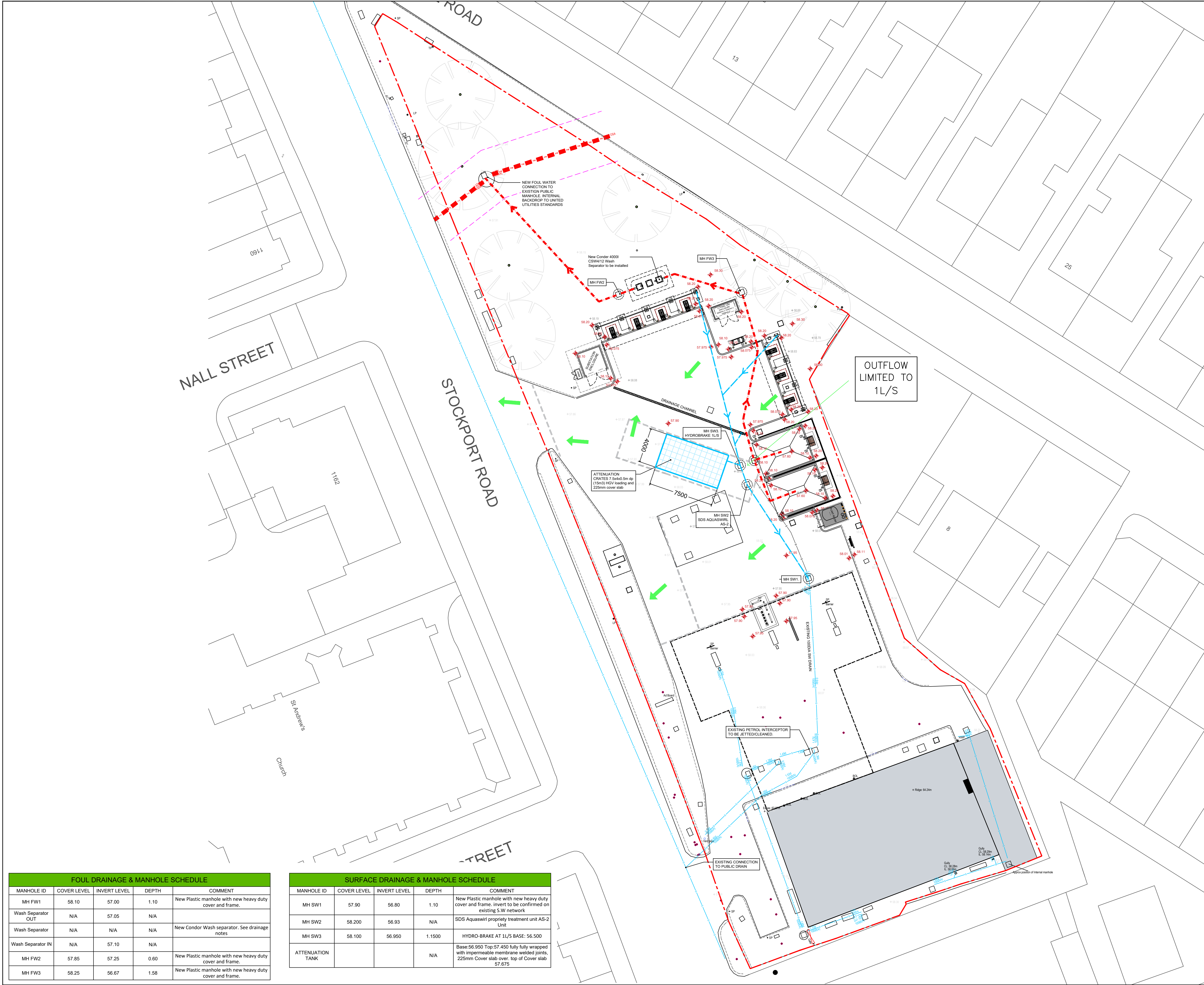




- GENERAL NOTES:
1. This drawing is copyright (C).
  2. This drawing is to be read in conjunction with all relevant drawings and specifications.
  3. This drawing shall not be scaled, use only figured dimensions. All dimensions are shown in millimetres and levels in metres above OS datum.
  4. Dimensions and conditions shall be verified on site. Any discrepancies between this drawing and site conditions shall be brought to the attention of the Engineer for resolution prior to placing orders or construction.
  5. All work shall comply with the Building Regulations and the requirements of the Local Authority, current Codes of practice and British Standards.
  6. Dimensions indicated thus:- \*are to be confirmed on site.
  7. For remainder of notes see dra no.H\*\*\*\*/\*\*.
  8. Our design is based upon the assumptions: Existing blockwork is assumed to be 100mm 3.5N in 1:6 mortar. Existing brickwork to be 20.5N in 1:6 mortar. Existing timbers to be grade C16. Lintels assumed to exist over all existing openings. Wall ties assumed to be in good condition. Assumed minimum party wall thickness to be 225mm solid masonry wall construction.
  9. Waterproofing details shown are indicative only. Architect to confirm final details.
  10. Splice requirements to new steel beams to be allowed for by contractor as required. Splice design assumed responsibility of fabricator, unless specifically requested of S.Eng.
  11. All structural steelwork shall be to BS EN 10025 & BS EN 10210, Grade S355 unless noted otherwise. All beams to be CE marked.
  12. High risk of saturation and freezing (masonry most vulnerable is situated 150mm above and 150mm below finished ground level) durability classification to be a MX3.2, F2, S2 or S1\*

- S—S—S— Existing Surface Water Drain  
—S—S—S— New Surface Water Drain  
—BSW—BSW— Existing Brown Water Drain  
—BSW—BSW— New Brown Water Drain  
—FW—FW— Existing Foul Water Drain  
—FW—FW— New Foul Water Drain  
—C—C— Existing Combined Water Drain  
—C—C— New Combined Water Drain
- +10.30 Indicates Existing Ground Level  
+10.35 Indicates Proposed Ground Level  
• Drain direction / diameter marked on plan  
↑ Exceedance routes

## PRELIMINARY

| Rev | Description | By | Date | Chk'd | Auth |
|-----|-------------|----|------|-------|------|
|     |             |    |      |       |      |
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|     |             |    |      |       |      |

**MARKS  
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CONSULTING STRUCTURAL AND CIVIL ENGINEERS

Client

MFG

Project  
**MFG LEVENSHULME  
STOCKPORT ROAD, CRINGLE ROAD  
MANCHESTER, M19 2RE**

Title  
**DRAINAGE SCHEMATIC**

| Sheet Size | Original Scale   | Designed/Drawn | Checked       | Authorised    |
|------------|------------------|----------------|---------------|---------------|
| <b>A1</b>  | <b>1:200</b>     | Date 27.06.22  | Date 27.06.22 | Date 27.06.22 |
| Status     | Drawing Number   | Rev            |               |               |
| <b>P</b>   | <b>H16000-04</b> | <b>A</b>       |               |               |

| FOUL DRAINAGE & MANHOLE SCHEDULE |             |              |       |                                                          |
|----------------------------------|-------------|--------------|-------|----------------------------------------------------------|
| MANHOLE ID                       | COVER LEVEL | INVERT LEVEL | DEPTH | COMMENT                                                  |
| MH FW1                           | 58.10       | 57.00        | 1.10  | New Plastic manhole with new heavy duty cover and frame. |
| Wash Separator OUT               | N/A         | 57.05        | N/A   |                                                          |
| Wash Separator                   | N/A         | N/A          | N/A   | New Condor Wash separator. See drainage notes            |
| Wash Separator IN                | N/A         | 57.10        | N/A   |                                                          |
| MH FW2                           | 57.85       | 57.25        | 0.60  | New Plastic manhole with new heavy duty cover and frame. |
| MH FW3                           | 58.25       | 56.67        | 1.58  | New Plastic manhole with new heavy duty cover and frame. |

| SURFACE DRAINAGE & MANHOLE SCHEDULE |             |              |        |                                                                                                                                     |
|-------------------------------------|-------------|--------------|--------|-------------------------------------------------------------------------------------------------------------------------------------|
| MANHOLE ID                          | COVER LEVEL | INVERT LEVEL | DEPTH  | COMMENT                                                                                                                             |
| MH SW1                              | 57.90       | 56.80        | 1.10   | New Plastic manhole with new heavy duty cover and frame. Invert to be confirmed on existing S.W network                             |
| MH SW2                              | 58.200      | 56.93        | N/A    | SDS Aquaswirl propriety treatment unit AS-2 Unit                                                                                    |
| MH SW3                              | 58.100      | 56.950       | 1.1500 | HYDRO-BRAKE AT 1L/S BASE: 56.500                                                                                                    |
| ATTENUATION TANK                    |             |              | N/A    | Base:56.950 Top:57.450 fully fully wrapped with impermeable membrane welded joints, 225mm Cover slab over. top of Cover slab 57.675 |