



**PROPOSED DRAINAGE LAYOUT**  
SCALE: 1 : 500

**DRAINAGE NOTES**

- ALL DRAINAGE MATERIALS & SPECIFICATIONS TO BE IN ACCORDANCE WITH SEWERS FOR ADOPTION (7th EDITION) 2012
- REFER TO MJM CONSULTING ENGINEERS DRAWING No.5201 & 5202 FOR ALL STANDARD DRAINAGE DETAILS
- ALL VITRIFIED CLAY PIPES AND FITTINGS TO BE IN ACCORDANCE WITH BS. EN295 & BS 65.
- ALL CIRCULAR CONCRETE PIPES IN TRENCHES AND FITTINGS TO BE IN ACCORDANCE WITH BS. EN1916 & BS 5911 AND BE STRENGTH CLASS 120.
- ALL STRUCTURED WALL PLASTIC PIPES AND FITTINGS TO BE IN ACCORDANCE WITH WIS 4-35-01. MAXIMUM LENGTH OF PIPE FOR LAYING IS 3m.
- PIPES AND FITTINGS ARE TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS
- ALL CONNECTIONS TO GULLIES & DRAINAGE CHANNELS TO BE 1500 UNLESS NOTED OTHERWISE
- ALL CONNECTIONS FROM DRAINAGE CHANNELS TO BE TRAPPED AND RODABLE
- COVER LEVELS INDICATED IN MANHOLE SCHEDULES ARE APPROXIMATE AND SHOULD BE CHECKED AGAINST ARCHITECTS DRAWINGS
- WHERE THE COVER TO PIPES IS LESS THAN 1200mm IN TRAFFICKED AREAS & 900mm IN OTHER AREAS, THEN CONCRETE PROTECTION IS TO BE PROVIDED. NB UNTIL FINAL SURFACE IS CONSTRUCTED, HEAVY TRAFFIC IS NOT TO BE ALLOWED OVER PIPE TRENCHES WITHOUT SPECIFIC PROTECTION MEASURES IN PLACE
- SOFT SPOTS IN THE BOTTOM OF TRENCHES SHALL BE REMOVED AND BACKFILLED WITH TYPE 1 SUB-MATERIAL, PIPE BEDDING MATERIAL OR LEAN MIX CONCRETE
- ALL CONCRETE WORK IS TO BE IN ACCORDANCE WITH MJM CONSULTING ENGINEERS NBS-SECTION E

13. RELEVANT CONCRETE MIX DESIGN:-

| CONCRETE ELEMENT | DESIGN CHEMICAL CLASS | SPEC. CLAUSE No. |
|------------------|-----------------------|------------------|
|                  |                       |                  |

14. DRAINAGE CHANNEL SPECIFICATIONS:-

| LOCATION | CHANNEL TYPE | LOAD CLASS |
|----------|--------------|------------|
|          |              |            |

15. JUST PRIOR TO PRACTICAL COMPLETION OF THE PROJECT A CCTV SURVEY OF THE COMPLETE PIPE NETWORK SHALL BE CARRIED OUT, WITH A COPY BEING SENT TO THE ENGINEER.

16. IF A SYPHONIC ROOF DRAINAGE SYSTEM IS PROPOSED THE SYPHONIC PIPEWORK IS TO BE CONTINUED BELOW GROUND TO THE FIRST EXTERNAL MANHOLE.

**DESIGNER RISK INFORMATION**

IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING:-

CONSTRUCTION:

MAINTENANCE/CLEANING:

DECOMMISSIONING/DEMOLITION:

IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING, WHERE APPROPRIATE, TO AN APPROVED METHOD STATEMENT.

**KEY**

- PROPOSED SURFACE WATER
- PROPOSED FOUL WATER
- EXISTING Y.W. FOUL WATER SEWERS
- EXISTING Y.W. SURFACE WATER SEWERS
- PROPOSED LAND DRAIN
- PROPOSED SURFACE WATER MANHOLE
- PROPOSED FOUL WATER MANHOLE
- ▨ PROPOSED PERMEABLE PAVING
- RWP ● PROPOSED RWP PIPE
- SVP/SS ● PROPOSED SVP/SS
- PPIC ● PROPOSED PPIC

*HARDSTANDING EXCEEDED FLOW ROUTES INDICATED THUS.*

*SOFTLANDSCAPE EXCEEDED FLOW ROUTES INDICATED THUS.*

*MJM Comments 31/05/23 A.P.D.*

|     |          |   |    |     |
|-----|----------|---|----|-----|
| P2  | DEC 22   | ATTENUATION TANK AND OUT FLOW REVISED TO SUIT | HE | APD |
| P1  | 01.06.20 | PLANNING RESTRICTION                          | HE | APD |
| Rev | Date     | Amendment                                     |    |     |

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Project: **KENMORE DRIVE**

Client: **HOUSING 21**

Drawing Title: **PROPOSED DRAINAGE LAYOUT**

|                     |                        |                |
|---------------------|------------------------|----------------|
| HE                  | RL                     | APD            |
| MJM Ref: 7512       | Scale: AS SHOWN        | Sheet Size: A1 |
| Revision Status: P2 | Suitability Status: S2 | Date: JUNE 20  |

Suitability Description: **INFORMATION**

Drawing Reference: Project - Originator - Zone - Level - File Type - Discipline - Number  
**7512 - MJM - 00 - 00 - DR - C - 5200**

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